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[Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*), and of the Supreme Court of the United States by two stars (**).]

ERRATA.

65,098 (Design), page 282, in heading, line 3, term of patent, for "3½ years" read *14 years*.

1,499,337, page 77, claim, line 5, after the word "over" insert the words *and spaced from*.

1,500,178, page 309, in heading, assignment, name of assignee, for "The Murdoch Manufacturing and Supply Company" read *The Murdock Manufacturing and Supply Company*.

1,502,913, page 1080, in heading, line 5, for "Cl. 177—3" read *Cl. 177—311*.

Classification of Patents, July 29, 1924, page XXXIX, sixth column, line 59, for "177—3" read *177—311*.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

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Designs	53—No.	65,041 to No.	65,093, inclusive.
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Total	1163		

Amendment to Trade-Mark Laws.

[PUBLIC—No. 263—68TH CONGRESS.]

[S. 3324.]

An act to amend section 5 of the Trade-Mark Act of 1905, as amended, relative to the unauthorized use of portraits.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the fourth proviso of subdivision (*b*) of section 5 of the act entitled "An act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same," approved February 20, 1905, as amended, is amended to read as follows: "*Provided further*, That no portrait of a living individual may be registered as a trade-mark except by the consent of such individual, evidenced by an instrument in writing, nor may the portrait of any deceased President of the United States be registered during the life of his widow, if any, except by the consent of the widow evidenced in such manner."

Approved, June 7, 1924.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 13, 1924.*

Vincent Visconti, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Joseph F. Malatesta, of 162 Commercial Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 13, 1916, No. 110,793, to Vincent Visconti, 217 Twenty-first Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Vincent Visconti at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Vincent Visconti, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 17, 1924.*

Rice Cereal & Milling Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Cumpson-Doelman, Inc., 588 Louisiana Street, Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 28, 1917, No. 118,331, to Rice Cereal & Milling Co., Fort Wayne, Ind., and a notice of such declaration sent by registered mail to said Rice Cereal & Milling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rice Cereal & Milling Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 5, 1924.*

A. F. Cook & Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Leland Coal Mining Company, 12 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered June 15, 1909, No. 74,035, to A. F. Cook & Company, 279 Dearborn Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said A. F. Cook & Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said A. F. Cook & Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 5, 1924.*

Blue Bird Beverage Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Citrus Products Company, 54–56 East Kinzie Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered December 11, 1917, No. 119,641, to Blue Bird Beverage Company, 601 South Peters Street, New Orleans, La., and a notice of such declaration sent by registered mail to said Blue Bird Beverage Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Blue Bird Beverage Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

5431

Condition of Applications Under Examination at Close of Business June 20, 1924.

[Total number of applications awaiting action, excluding Trade-Mark Division, 59,882; Trade-Mark Division, 1,865. Oldest new case, Oct. 8, 1923; oldest amended, Sept. 26, 1923. The dates given are 1923, except where * indicates 1924].

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application awaiting office action. New.	Oldest new application awaiting office action. Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Nov. 9	Nov. 26	974
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Nov. 10	Nov. 21	1,037
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 2	*Feb. 2	843
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements: Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Nov. 23	Nov. 21	1,101
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Oct. 26	Oct. 30	1,319
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Oct. 8	Sept. 26	1,688
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Dec. 27	Dec. 24	1,719
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 25	*Feb. 1	1,774
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 8	*May 7	638
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Dec. 15	Dec. 12	1,290
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 21	*Feb. 7	705
322	12. PIERCE, P. P., Machine Elements	*Jan. 3	*Jan. 12	1,051
329	13. NIXON, O. A., Bolt, Nail, Nut, Rivets, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 15	Dec. 5	1,162
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov 10	*May 14	941
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 6	Nov. 6	1,996
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Nov. 23	Nov. 23	2,638
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 28	*Mar. 14	1,230
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 11	Oct. 8	2,118
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Feb. 11	*Apr. 7	853
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 18	*Jan. 2	1,362
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Nov. 22	*Apr. 12	760
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 11	Oct. 26	1,284
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Nov. 2	Oct. 23	624
141	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 3	Nov. 26	900
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 24	*Mar. 29	650
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 24	Nov. 2	902
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Nov. 17	Dec. 8	1,139
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 6	*Jan. 3	1,139
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 19	Nov. 30	1,078
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Jan. 10	*Feb. 18	978
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Dec. 10	Nov. 24	1,171
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 19	Dec. 3	977
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 1	*Jan. 23	1,241
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 20	Dec. 11	831
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Mar. 7	*Mar. 17	776
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 24	*Jan. 9	1,722
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Dec. 3	Dec. 3	1,490
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Dec. 18	Dec. 18	1,480
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Jan. 4	Dec. 3	703
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 25	*Mar. 19	5,772
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 8	Dec. 14	740
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 23	Nov. 17	1,044
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	Dec. 13	Dec. 8	1,577
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Nov. 23	*Feb. 13	1,218
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 3	Dec. 10	1,445
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 26	Dec. 27	1,020
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Jan. 17	*Mar. 1	880
116	48. ROEPKE, O. B., Electricity-Conductors; Electricity, General Applications	Nov. 5	Nov. 2	2,227
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Jan. 2	*Jan. 4	455
102	DESIGNS: C. O. MARKHAM (Acting)	*May 19	*May 14	307
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. Trade-Marks	*May 13	*May 25	1,786
	Labels and Prints	*June 9	*June 12	79

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE CARR.

No. 1,632. Decided March 3, 1924.

DOUBLE PATENTING.

The decision of the Commissioner of Patents holding that any difference between the applicant's machine and method and those of his prior patent resides in the leaf springs employed in the later machine, and since a claim covering this difference was allowed by the Examiners in Chief, to allow more would amount to double patenting, affirmed.

Mr. W. G. Henderson and *Mr. F. E. Dennett* for Carr.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing to allow 17 claims for patent, some of which were for a method and others for an apparatus for tamping newly-laid concrete, so as to compact it.

The machine employed is power driven and provided with a transversely-extending tamping bar yieldingly suspended from the frame of the carriage by means of stiff leaf springs. The bar is given rapid vertical vibratory movements by means of an eccentrically-weighted section of the flexible power-driven shaft. The function of the downward movement of the bar is to compact the concrete, while the rapid upward movement tends to produce a suction, causing the concrete to move upwardly. It is a theory of the invention that these opposite movements of the concrete tend to prevent the permanent formation in bridged relation of the stones therein, thereby facilitating compacting of the mass.

The Patent Office has found, and in that finding we concur, that any difference between this method and machine and those of applicant's prior patent, (No. 1,204,245, granted Nov. 7, 1916), resides in the leaf springs employed in the later machine. Claim No. 15, disallowed by the Examiner, covers these differences, and, since that claim was allowed by the Examiners in Chief, we agree with the conclusion reached that to allow more would amount to double patenting. It is unnecessary, in view of the carefully-considered decisions below, to extend this discussion.

The decision is affirmed.

Affirmed.

ADJUDICATED PATENTS.

(D. C. N. Y.) The Woolf patent, No. 971,097, for lollypop-manufacturing machinery, claims 1, 2, 4, and 12 *Held* valid, but not infringed. *Racine Confectioners' Machinery Co.* v. *Metro Chocolate Co.*, 297 Fed. Rep. 635.

(C. C. A. Conn.) The Alleyn patent, No. 995,758, for an antifriction tip for furniture, *Held* not infringed. *Lincoln* v. *Waterbury Button Co.*, 297 Fed. Rep. 619.

(C. C. A. Mich.) The Coffield patent, No. 1,270,379, for gearing for washing machines, claims 8, 9, and 10 *Held* invalid. *Coffield* v. *Sunny Line Appliance*, 297 Fed. Rep. 609.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

847,811, M. Peller, Suspender buckle, appeals filed Apr. 28, 1924, C. C. A. (2d Cir.), Doc. 8332, *Waterbury Buckle Co.* v. *G. E. Prentice Mfg. Co.*

897,757, I. M. Marshall, Sheet-combining machine; 897,758, same, Process of manufacturing indurated fiber, decree filed June 26, 1923, dismissing bill, D. C. Del., Doc. E 481, *T. E. Marshall et al.* v. *Diamond State Fiber Co.*

897,758. (See 897,757.

942,699, L. H. Baekeland, Resinous body and method of producing same; 942,852, same, Indurated product and method of preparing same, decree dismissing bill Mar. 21, 1924, D. C. Del., Doc. E 530, *Bakelite Corp.* v. *The Brunswick-Balke-Collender Co.*

942,699, L. H. Baekeland, Resinous body and method of producing same; 942,809, same, Condensation product and method of making same, suit filed Mar. 6, 1924, D. C. Del., Doc. E 537, *Bakelite Corp.* v. *The Brunswick-Balke-Collender Co.*

942,809. (See 942,699.)

942,852. (See 942,699.)

989,939, W. E. Allington, Dust collector; 1,123,155, W. W. Woodley, Art of dust handling, decree dismissing bill as to W. E. Allington filed Apr. 16, 1924, D. C. Del., Doc. E 532, *W. E. Allington et al.* v. *The Shevlin-Hixon Co.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolige, Tungsten and method of making same for use as filaments of incandescent electric lamps and other purposes, final consent decree in favor of plaintiff, sustaining patents, adjudging infringement, and granting injunction filed Apr. 29, 1924, D. C., S. D. N. Y., Doc. E 29/47, *General Electric Co.* v. *Incandescent Products, Inc.*

1,048,819, C. F. Fayer, Alternating-current rectifier; 1,266,931, C. Fayer, Polarity-indicating mechanism for X-ray apparatus; 1,409,439, same, X-ray machine; 1,371,404, R. H. Wappler, High-potential electric machine, suit filed Apr. 28, 1924, D. C., S. D. N. Y., Doc. E 29/132, *Wappler Electric Co., Inc.*, v. *The Bronx Hospital & Dispensary.*

1,076,501, C. W. Kress, Display case, suit filed Jan. 30, 1918, D. C., S. D. N. Y., Doc. E 15/39, *S. H. Kress & Co.* v. *Gramercy Chocolate Co., Inc.* Final decree sustaining patent, adjudging infringement, and granting injunction filed Apr. 28, 1924.

1,082,419, N. E. Gee, Stoker; 1,130,443, 1,195,532, C. F. Street, Mechanical stoker, final decree dismissing bill for noninfringement filed June 16, 1923, D. C. Del., Doc. E 410, *Locomotive Stoker Co.* v. *The Elvin Mechanical Stoker Co.*

1,082,933. (See 1,018,502.)

1,082,933, W. D. Coolige, Tungsten and method of making same for use as filaments of incandescent electric lamps and other purposes, suit filed Mar. 28, 1924, D. C., E. D. N. Y., Doc. 1609, *General Electric Co.* v. *Save Electric Corp. et al.*

1,086,150, R. C. Frampton, Burner, decree filed June 30, 1923, dismissing bill, D. C. Del., Doc. E 477, *Pittsburgh Water Heater Co.* v. *Esda Mfg. Co.*

1,105,230, S. A. Wiltsie, Toaster, suit filed Apr. 30, 1924, D. C., S. D. Ill. (N. Div.), Doc. 274, *Westinghouse Electric Products Co.* v. *Rock Island Mfg. Co.*

1,123,155. (See 989,939.)

1,129,943. (See Re. 14,380.)

1,130,443. (See 1,082,419.)

1,161,094, J. A. Werner, Cash register; 1,232,705, H. A. Martin, Multiple-counter cash register; 1,394,256, F. L. Fuller, Cash register, suit filed Nov. 9, 1921, D. C. Del., Doc. E 443, *National Cash Register Co.* v. *Remington Arms Co., Inc., et al.* Decree adjudging claims 21 and 22 of Patent 1,161,094 and claims 42, 43, and 44 of 1,232,705 invalid for lack of invention, and claims 87 to 94, both inclusive, of 1,394,256 not infringed by Remington Arms Co., Inc., and that bill be dismissed, filed Sept. 28, 1923.

1,183,875, R. V. L. Hartley, Electrical circuit; 1,334,118, C. W. Rice, System for amplification of small currents, suit filed Mar. 28, 1924, D. C., E. D. N. Y., Doc. 1610, *Radio Corp. of America et al.* v. *Twentieth Century Radio Corp.*

1,195,532. (See 1,082,419.)

1,216,140, A. Kurtz, Lining for hats, suit filed May 4, 1922, D. C., S. D. N. Y., Doc. E 23/367, *A. Kurtz et al.* v. *H. Heller (H. Seiler) et al.* Final consent decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Apr. 28, 1924.

1,231,764. (See Re. 14,380.)

1,232,705. (See 1,161,094.)

1,266,931. (See 1,048,819.)

1,296,588, 1,296,590, J. H. Bamberg, Metal mold; 1,296,589, same, Casting and process of making same; 1,296,591, same, Piston casting; 1,296,594, A. B. Norton, Mold; 1,296,595, same, Process of making castings; 1,296,596, F. A. Parkhurst, Metal mold; 1,296,597, 1,308,103, same, Mold and process of casting, final consent decree entered Apr. 28, 1924, D. C., S. D. Ohio, Doc. E 256, *Aluminum Manufacturers, Inc.*, v. *The Kant-Skore Piston Co.*

1,296,589. (See 1,296,588.)

1,296,590. (See 1,296,588.)

1,296,591. (See 1,296,588.)

1,296,594. (See 1,296,588.)

1,296,595. (See 1,296,588.)

1,296,596. (See 1,296,588.)

1,296,597. (See 1,296,588.)

1,308,103. (See 1,296,588.)

1,334,118. (See 1,183,875.)

1,371,404. (See 1,048,819.)

1,385,777. (See Re. 14,380.)

1,388,450. (See Re. 14,380.)

1,394,256. (See 1,161,094.)

1,403,475. (See Re. 14,380.)

1,409,439. (See 1,048,819.)

1,435,911, W. S. Bechtold, Article of manufacture, suit filed Apr. 26, 1924, D. C., S. D. N. Y., Doc. E 29/127, *Newark Tortoise Shell Novelty Co.* v. *The Art Ivory Mfg. Co., Inc.*

1,442,146. (See Re. 14,380.)

1,442,147. (See Re. 14,380.)

1,448,550. (See Re. 14,380.)

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling, decree pro confesso in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Apr. 30, 1924, D. C., S. D. N. Y., Doc. E 28/344, *Hazeltine Research Corp. et al.* v. *Dobert & Manoilowitch (Great Northern Radio Co.).*

1,487,181, F. H. Robinson, Lighting fixture, suit filed Mar. 29, 1924, D. C., E. D. N. Y., Doc. 1615, *National Metal Spinning & Stamping Co.* v. *Greenfield Electrical Supply Corp.*

Re. 14,380, E. H. Colpitts, System for the transmission of intelligence; 1,442,146, R. A. Heising, Modulating and transmitting system; 1,442,147, same, Production of modulated high-frequency oscillations; 1,231,764, F. Lowenstein, Telephone relay; 1,129,943, H. D. Arnold, Gaseous repeaters in circuits of low impedance; 1,448,550, same, Thermionic amplifier circuit; 1,403,475, same, Vacuum-tube circuit; 1,388,450, Colpitts & Arnold, Transmission of intelligence; 1,385,777, A. B. Clark, Grid circuits for electron tubes, suit filed Mar. 5, 1924, D. C., E. D. N. Y., Doc. 1567, *American Telephone & Telegraph Co.* v. *Wired Radio, Inc., et al.*

Des. 60,463, R. F. Lindemann, Husk for lighting fixtures, final decree entered on stipulation in favor of plaintiff Jan. 30, 1924, D. C., E. D. N. Y., Doc. 1373, *A. Vester Sons, Inc.*, v. *M. R. Horowitz (Standard Metal Spinning Co.).*

Des. 63,184, Des. 63,185, J. F. Kohler, Combined lamp shade and stand, suit filed Mar. 5, 1924, D. C., E. D. N. Y., Doc. 1566, *Metal Lamp Corp.* v. *S. Zises.*

Des. 63,185. (See Des. 63,184.)

Des. 64,229, H. Smolen, Shoe, suit filed Mar. 25, 1924, D. C., E. D. N. Y., Doc. 1602, *H. Smolen & Co.* v. *Eagle Shoe Mfg. Co., Inc., et al.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,296,361, C. B. Bryant, Highway-crossing signal, decided May 23, 1924, claims 1 to 8 and 10 to 34, inclusive.

Pat. 1,438,007, J. T. Welch, Line-distributing device for reels, decided June 9, 1924, claim 6.

TRADE-MARKS CANCELED.

168,362. Malt sirup for food purposes. Popel-Giller Co., Warsaw, Ill. Registered May 22, 1923. Canceled May 27, 1924.

176,930. Hosiery. Real Silk Hosiery Mills, Indianapolis, Ind. Registered December 4, 1923. Canceled June 10, 1924.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 1, 1924.

[VOL. 324. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 156,703. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MASTER-CORD BELT COMPANY, Denver, Colo. Filed Dec. 14, 1921.

MASTER-CORD

No claim is made to the word "Cord" apart from the mark shown.

Particular description of goods.—Rubber and Fiber Cord Pulley Belts.

Claims use since May 19, 1919.

Ser. No. 158,635. (CLASS 43. THREAD AND YARN.) MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Jan. 30, 1922.

WESTGATE

Particular description of goods.—Threads.

Claims use since Aug. 22, 1919.

Ser. No. 170,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACKSTONE MANUFACTURING CO., Newark, N. J. Filed Oct. 10, 1922.

TRUTH BRAND



No claim is made to the word "Brand" apart from the mark shown in the drawing. The picture shown is that of George Washington.

Particular description of goods.—Pure Vanilla Extract, Lemon Extract, Strawberry Flavor, Pineapple Flavor, Mocha Extract, Almond Extract, Orange Extract, Banana Flavor, Raspberry Flavor, for Food-Flavoring Purposes.

Claims use since about June 1, 1917.

Ser. No. 170,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY CO., Cleveland, Ohio. Filed Oct. 11, 1922.

Cherry Flappers

Particular description of goods.—Candy.

Claims use since May 15, 1921.

Ser. No. 173,908. (CLASS 12. CONSTRUCTION MATERIALS.) AKTIESELSKABET AALBORG PORTLAND-CEMENT-FABRIK, Aalborg, Jutland, Denmark. Filed Dec. 28, 1922.



Particular description of goods.—Cements.

Claims use since July 23, 1890.

Ser. No. 174,114. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPECIAL PRODUCTS LABORATORY, INC., O'Fallon, Ill. Filed Jan. 2, 1923.

FRUITART

Particular description of goods.—Flavors and Flavoring Extracts for Use in Making Confectionery, Ice Cream, Ices, Cakes, Pastry, and Icings.
Claims use since Jan. 1, 1914.

Ser. No. 174,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK G. ARATA, Portland, Oreg. Filed Jan. 10, 1923.

CROCE VERDE



The cross in the trade-mark is colored green in accordance with the conventional lining for color, as shown.
Particular description of goods.—Olive Oil.
Claims use since May 7, 1912.

Ser. No. 175,228. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WHEARY-BURGE TRUNK COMPANY, Racine, Wis. Filed Jan. 27, 1923.



The words "Cushioned Top," "Wardrobe," and "Racine, Wisconsin" are disclaimed apart from the mark as shown.
Particular description of goods.—Trunks.
Claims use since Dec. 15, 1922.

Ser. No. 175,280. (CLASS 37. PAPER AND STATIONERY.) UNITED CREDITORS' ASSOCIATION, Los Angeles, Calif. Filed Jan. 29, 1923.



Particular description of goods.—Printed Forms of Letters and Circulars.
Claims use since June 1, 1918.

Ser. No. 177,560. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERLOCKING TOGGLE RIM CO., Fort Valley, Ga. Filed Mar. 16, 1923.



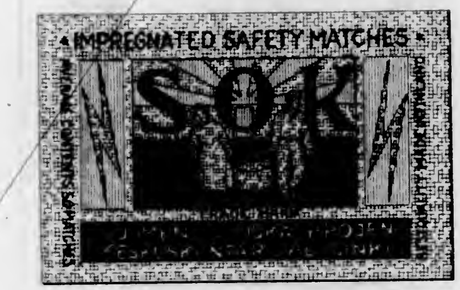
No claim is made to the exclusive representation of the goods apart from the mark shown.
Particular description of goods.—Automobile Rims.
Claims use since Feb. 13, 1923.

Ser. No. 177,928. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA R. L., Helsinki, Finland. Filed Mar. 23, 1923.



The perpendicular lining is intended to indicate red color, the checked or intersectional lining yellow color, and the solid-black black color, and the words "Average Contents 50 Matches" and "Manufactured in Finland", and "Impregnated Safety Matches" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Safety Matches.
Claims use since May 20, 1922.

Ser. No. 177,929. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA R. L., Helsinki, Finland. Filed Mar. 23, 1923.



The perpendicular lining of drawing is to indicate red color, the checked or intersectional lining yellow color, and the solid-black black color, and the words "Impregnated Safety Matches," "Trade Mark," "Helsinki," "Average Contents 50 Matches" and "Best Quality Made in Finland" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Safety Matches.
Claims use since May 20, 1922.

Ser. No. 177,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. C. PETERS MILL CO., Omaha, Nebr. Filed Mar. 24, 1923.



The drawing is lined to indicate red.
Particular description of goods.—Poultry Feeds.
Claims use since Sept. 15, 1907.

Ser. No. 177,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. C. PETERS MILL CO., Omaha, Nebr. Filed Mar. 24, 1923.



RED FEATHER

Particular description of goods.—Poultry Feeds.
Claims use since June 2, 1909.

Ser. No. 178,054. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MOXIE COMPANY, Portland, Me., and Boston, Mass. Filed Mar. 26, 1923.

MOXIE

Particular description of goods.—Nonalcoholic, Multless Carbonated Beverage and Sirup for Making the Same.
Claims use since 1885.

Ser. No. 178,703. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Apr. 7, 1923.



The lining of drawing expresses the color blue.
Particular description of goods.—Scissors.
Claims use since September, 1922.

Ser. No. 178,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCE J. REID, Fort Morgan, Colo., assignor to Morgan Maid Canning Co., Fort Morgan, Colo. Filed Apr. 10, 1923.

MORGAN MAID
BRAND

Applicant makes no claim to the use of the word "Brand" apart from the other features shown in the drawing.

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since July 31, 1922.

Ser. No. 179,494. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SWANTEX PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 21, 1923.



Particular description of goods.—Sanitary Napkins.

Claims use since Jan. 6, 1923.

Ser. No. 179,637. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ARENDROTH BROTHERS, Port Chester, N. Y. Filed Apr. 25, 1923. Under ten-year proviso.

YORK

Particular description of goods.—Gas Ranges, Gas Stoves, Gas Heaters, Hot-Air Furnaces, Coal Stoves, Coal Ranges, and Cast-Iron Low-Pressure House-Heating Boilers for Steam or Hot Water.

Claims use since 1882.

Ser. No. 179,825. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SELRITE PRODUCTS INC., New York, N. Y. Filed Apr. 27, 1923.

HOME-RUN KING

Particular description of goods.—Animated Figure Toys.

Claims use since about Feb. 23, 1923.

Ser. No. 180,786. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT FREDRICK BONVILLAIN, Shreveport, La. Filed May 18, 1923.

B & B
Tube Radiator
Dope.

No claim is made for the words "Tube Radiator Dope" apart from the mark shown in the drawing.

Particular description of goods.—Preparation for Use in Automobile Radiators to Prevent Leaking.

Claims use since Feb. 1, 1923.

Ser. No. 181,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed June 13, 1923.

Makes Cotton
Look and Feel
Like Linen

No claim is made to the individual words except as comprised in the mark.

Particular description of goods.—Laundry Starch.

Claims use since May 1, 1923.

Ser. No. 183,007. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed July 9, 1923.

VISILUBE

Particular description of goods.—Hand-Operated Measuring Pumps for Oil and Other Liquid.

Claims use since Apr. 15, 1923.

Ser. No. 185,544. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Sept. 8, 1923.

LUSTRO satine

No claim is made to the word "Satine" apart from the mark shown in the drawing. No common-law right to the mark or any feature thereof is waived by this disclaimer.

Particular description of goods.—Cotton-Sateen Piece Goods.

Claims use since Aug. 10, 1923.

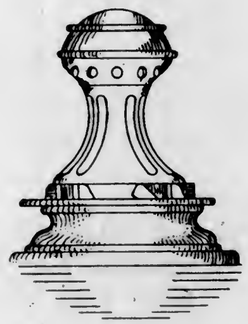
Ser. No. 185,747. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUROPEAN EXPORT CORPORATION, Washington, D. C. Filed Sept. 13, 1923.

COLONNE D'ORO

Particular description of goods.—Olive Oil and Olives.

Claims use since February, 1921.

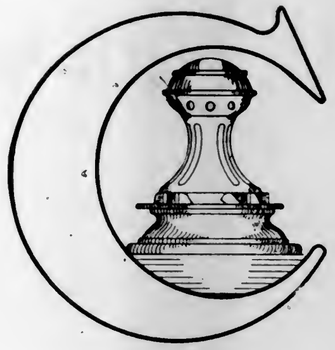
Ser. No. 185,956. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 20, 1923.



Particular description of goods.—Brass and Bronze Castings, Babbitt Metal, Bronze Ingots, and Iron and Steel Castings and Forgings.

Claims use since Aug. 15, 1923.

Ser. No. 185,957. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 20, 1923.



Particular description of goods.—Metals and Metal Castings, Babbitt Metal, Bronze Ingots, and Iron and Steel Castings and Forgings.

Claims use since Aug. 15, 1923.

Ser. No. 185,959. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 20, 1923.

CRAMPADIUM

Particular description of goods.—Nonferrous Metals and Nonferrous Metal Castings and Forgings.

Claims use since Aug. 15, 1923.

Ser. No. 186,155. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLOUGH CHEMICAL COMPANY, doing business as Gerstle Medicine Co., Memphis, Tenn. Filed Sept. 24, 1923.

St. Joseph's

Trade-mark "St. Joseph's."

Particular description of goods.—Medicinal Preparations—viz, Vegetable Compound Tonic, Antiseptic Powder, Kidney Pills, Sarsaparilla Compound, Blood Remedy, Chill Tonic, Cough Sirup, Pine-Tar Honey, Worm Sirup, Eye Water, Liver Sirup; Liniment, a Vegetable Compound for the Treatment of Colic, Cramps, Cholera, and Kindred Complaints; Aspirin, Liver Pills, Quinine Sulphate, Castor Oil, Spirits of Turpentine, Epsom Salts, and Sulphur.

Claims use since Jan. 1, 1893.

Ser. No. 186,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHULL CANDY COMPANY INC., Lancaster, Pa. Filed Sept. 26, 1923.

SHULL'S

Particular description of goods.—Candy.
Claims use since Sept. 1, 1923.

Ser. No. 186,636. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN HARDWARE CO. INC., New York, N. Y. Filed Oct. 6, 1923.

FRANKLIN

Particular description of goods.—Twist Drills, Taps and Dies, Milling Cutters, Gear Cutters, Metal-Splitting Saws, Files, Reamers, Hack-Saw Blades, Wrenches, and File Handles.
Claims use since Aug. 2, 1923.

Ser. No. 186,772. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BURLOCK NON-SKID TIRE CORPORATION, New York, N. Y. Filed Oct. 10, 1923.

Burr-Lockt

Particular description of goods.—Rubber Tires and Rubber Pneumatic Tires for Motor Vehicles.
Claims use since Jan. 1, 1922.

Ser. No. 187,028. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WALTER J. TERRY, Seattle, Wash. Filed Oct. 15, 1923.

T. D. S.

Particular description of goods.—Dental Supplies—Namely, Hand Pieces, Drills, Finishing Strips, Disk Holders, Stone Truers, Plate Swagers, and Face Bows.
Claims use since Mar. 1, 1922.

Ser. No. 188,182. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COLUMBIA X-RAY & ELECTRIC CORPORATION, New York, N. Y. Filed Nov. 10, 1923.

ENDO-FORM

Particular description of goods.—Dental Casts, Forms, Models of Teeth, Gum Structures, and Display Stands Therefor, and Dental Plates and Bridgework.
Claims use since Jan. 1, 1923.

Ser. No. 188,285. (CLASS 38. PRINTS AND PUBLICATIONS.) VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass. Filed Nov. 13, 1923.



The words "The Pen That Writes Our Famous Market Letters That Save You Money" are disclaimed apart from the rest of the design.
Particular description of goods.—Weekly Commodity Market Publication.
Claims use since Sept. 4, 1923.

Ser. No. 188,286. (CLASS 38. PRINTS AND PUBLICATIONS.) VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass. Filed Nov. 13, 1923.

The Pen is Mightier than the Sword

Particular description of goods.—Weekly Commodity Market Publication.
Claims use since Sept. 4, 1923.

Ser. No. 188,290. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) E. MARVIN BAILEY, Houston, Tex. Filed Nov. 14, 1923.

SELF HEATING
RADIANT
HOT PAD

No claim is made to the exclusive use of the words "Self Heating" and "Hot Pad" apart from the mark as shown.
Particular description of goods.—Heat Pad for Medical Purposes.
Claims use since Oct. 10, 1923.

Ser. No. 188,434. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.

RESEARCH

Particular description of goods.—Rubber-Tube Patching, Inner Tubes, Blow-Out Patches, and Radiator Hose.
Claims use since June 1, 1922, on rubber-tube patching; since Jan. 12, 1923, on inner tubes; since July 14, 1921, on blow-out patches; since Apr. 8, 1922, on radiator hose.

Ser. No. 188,435. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.



Particular description of goods.—Rubber-Tube Patching, Inner Tubes, Blow-Out Patches, and Radiator Hose.
Claims use since June 1, 1922, on rubber-tube patching; since Jan. 12, 1923, on inner tubes; since July 14, 1921, on blow-out patches; since Apr. 8, 1922, on radiator hose.

Ser. No. 188,584. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. W. CADMAN MANUFACTURING CO., Pittsburgh, Pa. Filed Nov. 20, 1923.



No claim is made to the use of the abbreviations "Pgh. Pa." apart from the mark shown on the drawing.
Particular description of goods.—Bearing Metals.
Claims use since Oct. 31, 1921.

Ser. No. 188,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES E. GROSS, Chicago, Ill. Filed Nov. 21, 1923.

ZE-A-GINE

Particular description of goods.—Powdered Mixture of Substances Used as a Cathartic to Relieve Suffering from Gallstone Trouble and Aids the Liver to Function Normally.
Claims use since Sept. 23, 1922.

Ser. No. 189,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARABOL M'F'G CO., New York, N. Y. Filed Nov. 30, 1923.



Particular description of goods.—Oils, Greases, and Gums Used in the Treatment of Textiles for Finishing, Weighting, Softening, Sizing, Printing, and Waterproofing Same.
Claims use since about Apr. 1, 1887.

Ser. No. 189,148. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WORLD NOVELTY CO., New York, N. Y. Filed Dec. 1, 1923.

World



Particular description of goods.—Glass Beads and Beads Not Made of Precious Metal, Beaded Bags Mounted on Frames Not Made of Precious Metal, Beading Needles, Bag Patterns, Chains Not Made of Precious Metal, Combs Not Made of Precious Metal, Girdles for Dress Ornamentation, and Novelty Braids.
Claims use since Oct. 1, 1921.

Ser. No. 189,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORTHWEST ENGINEERING COMPANY, Green Bay, Wis. Filed Dec. 6, 1923.

NORTHWEST

Particular description of goods.—Trench Excavators, Drag-Line Excavators, Hoisting Machines, Locomotive Cranes, Shoveling Machines, and Power Shovels.
Claims use since July 1, 1920.

Ser. No. 189,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILLEN & BONEY, INC., Lincoln, Nebr. Filed Dec. 19, 1923.

Golden Rod

Particular description of goods.—Candy.
Claims use since 1902.

Ser. No. 189,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. E. LEE & COMPANY, INC., Plant City, Fla. Filed Dec. 19, 1923.

SUN-MOON

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Sept. 12, 1923.

Ser. No. 189,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELFREDA KLADIVKO, Bayside, N. Y. Filed Dec. 21, 1923.

Bep's Sweeties

The word "Sweeties" is disclaimed.
Particular description of goods.—Candy.
Claims use since Mar. 15, 1923.

Ser. No. 190,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STAPLES GROCERY COMPANY, INC., Richmond, Va. Filed Dec. 22, 1923.

LADY ASTER

Particular description of goods.—Canned Fruits and Vegetables, Breakfast Cereals, and Coffee.
Claims use since May, 1923.

Ser. No. 190,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. HOLLINSHED CO., INC., New York, N. Y. Filed Jan. 2, 1924.



HOLLY

Particular description of goods.—Dried, Smoked, and Salted Pork and Beef, as Follows, Excepting Sausage: Sides, Bellies, Backs, Shoulders, Plates; Butts, Loins, Middles, Hams; and Mess Pork; and Lard, Barrel Beef, and Mess Beef.
Claims use since Sept. 24, 1923.

Ser. No. 190,778. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ANDRÉ GARRIC, Layrac, France. Filed Jan. 14, 1924.

KIRPY

Particular description of goods.—Plows.
Claims use since December, 1913.

Ser. No. 191,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GROCER COMPANY, Marshalltown, Iowa. Filed Jan. 22, 1924.

Jack Sprat

Particular description of goods.—Canned Grapes, Ripe Olives, Marshmallows, Dried Figs, Sorghum, Molasses, Macaroni, Spaghetti, Egg Noodles, Dates, Jelly Powder, Pearl Barley, Dried Raisins, Dried Peaches, Dried Prunes, Dried Apricots, Dried Pears, Dried Apples, and Wheat Flour.
Claims use since July, 1920.

Ser. No. 191,158. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. R. ARNOLD & CO., New York, N. Y. Filed Jan. 28, 1924.



The diamond-shaped background is black, as shown in the drawing, and the chick yellow, the words "Savon aux Oeufs" apart from the mark shown not being claimed.
Particular description of goods. Toilet Soap.
Claims use since July 14, 1922.

Ser. No. 191,425. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. BRESLAUER, INC., New York, N. Y. Filed Jan. 29, 1924.

"IDÉAL"

Particular description of goods.—Nonelectric Curling Irons, Waving Irons, Straightening Irons, and Appliances for Shaping Human Hair.
Claims use since December, 1922.

Ser. No. 191,434. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOFFMANN NOVELTY CO., Oakland, Calif. Filed Jan. 29, 1924.

DROP-NOT

Particular description of goods.—Lingerie Strap Holders Composed of Elastic with Metal Tip.
Claims use since about Oct. 10, 1920.

Ser. No. 191,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERRELL-SOULE COMPANY, Syracuse, N. Y. Filed Feb. 5, 1924.

Merco

Particular description of goods.—Prepared Cocoa.
Claims use since Jan. 11, 1924.

Ser. No. 191,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWABACHER BROS. & CO. INC., Seattle, Wash. Filed Feb. 5, 1924.

Creamona

Particular description of goods.—Confections—Namely, Chocolates.
Claims use since Sept. 5, 1923.

Ser. No. 192,013. (CLASS 6. CHEMICALS. MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NESBIT M. DUNMAN, doing business as Dunness Manufacturing Company, Houston, Tex. Filed Feb. 8, 1924.

DUNNESS

Particular description of goods.—Medicine for the Treatment of Pyorrhea, Put Up in Liquid Form.
Claims use since Jan. 17, 1924.

Ser. No. 192,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIESELSKABET FREIA CHOCOLADE FABRIK, Christiania, Norway. Filed Feb. 11, 1924.



Freia

Particular description of goods.—Candies and Chocolates.
Claims use since June 13, 1923.

Ser. No. 192,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAIRY DYES, LTD., Glasgow, Scotland. Filed Feb. 12, 1924.



No claim is made to the exclusive use of the word "Dye" or the words "To Dye Cotton, Wool or Silk" except in connection with the mark as shown.
Particular description of goods.—Dyes.
Claims use since Oct. 16, 1916.

Ser. No. 192,239. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLIMAX CREAMERY CO., Shawnee, Okla. Filed Feb. 14, 1924.

CLIMAX

Particular description of goods.—Butter.
Claims use since October, 1916.

Ser. No. 192,378. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRIFFIN MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 16, 1924.

GRIFFIN



Particular description of goods.—Cleaning Fluid for Clothes, Fabrics, and Leather; Shoe Polishes, Shoe Blackings, Shoe Cleansers, Leather Dressings, Leather Preservatives, and Metal Polish.
Claims use since February, 1915.

Ser. No. 192,442. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUNSET PAINT COMPANY, Los Angeles, Calif. Filed Feb. 16, 1924.



The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Diamond Floor Paint, Paint Enamels, Factory White, Enamel Undercoat, Peerless Oil Stain, Auto Enamel, Household Enamel, Wagon Paint, Linoleum Finish, Varnish Stain, #8 Rubbed Varnish, Gold Paint, Aluminum Paint, B Varnish, Floor Varnish, Full-Luster Varnish, #1 Coach Varnish, Exterior Spar Varnish, Wall-Paint Reducer, Inside Spar Varnish, Prepared White-Shellac Compound, Prepared Orange-Shellac Compound, Pure Orange Shellac, Pure White Shellac, Flat Wall Reducer, Liquid Wax, Turpentine Japan, Bronzing Liquid, Hygienic Furniture Polish, White Japan, Brown Japan, Sink and Drain-Board Enamel, Liquid Filler.
Claims use since 1904.

Ser. No. 192,487. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JIG BUSHING COMPANY, Pontiac, Mich. Filed Feb. 18, 1924.



Particular description of goods.—Reamers, Bushings, and Jigs.
Claims use since Feb. 23, 1923.

Ser. No. 192,654. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WEST COAST PORCELAIN MANUFACTURERS, Millbrae, Calif. Filed Feb. 21, 1924.



The words "Millbrae, California" and other geographic terms appearing on and around the representation of the map are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Washbowls, Urinals, Toilets, Bathtubs, Bathroom Fixtures Attached to the Wall, and Drinking Fountains.
Claims use since Oct. 8, 1918.

Ser. No. 193,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. NEUHOFF COMPANY, San Francisco, Calif. Filed Feb. 29, 1924.

VINEMAID

Particular description of goods.—Dried Raisins.
Claims use since Feb. 11, 1924.

Ser. No. 193,217. (CLASS 39. CLOTHING.) ENDURANCE KNITTING COMPANY, Philadelphia, Pa. Filed Mar. 4, 1924.

Ekco

Particular description of goods.—Ladies' Silk Hose.
Claims use since Sept. 19, 1921.

Ser. No. 193,267. (CLASS 38. PRINTS AND PUBLICATIONS.) C. R. ARCHIBALD, doing business as Union Label Press, Warren and Youngstown, Ohio. Filed Mar. 5, 1924.

LABOR CALENDAR

No claim is made to the word "Calendar" apart from the mark shown in the drawing.
Particular description of goods.—Calendars Issued from Time to Time.
Claims use since Mar. 3, 1924.

Ser. No. 193,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILLE LABORATORIES, Chicago, Ill. Filed Mar. 5, 1924.

LUNOSOL

Particular description of goods.—Medicinal Compound for External and Internal Use in the Treatment of Diseases, Such as Venereal Diseases; Mucosal Inflammations, Infections, and Catarrhs; Pus Sacks, Pyelitis, Ulcers and Carbuncles, and Other Diseases Caused Directly or Indirectly by Baccilli, Cocci, Sphirillæ, Etc., and Also for Röntgenography Purposes.
Claims use since Jan. 30, 1922.

Ser. No. 193,305. (CLASS 2. RECEPTACLES.) OAKES & BURGER CO., Cattaraugus, N. Y. Filed Mar. 5, 1924.



The word "Line" and the picture of a pail are not herein claimed apart from the mark shown in the drawing.

Particular description of goods.—Cans and Tanks of Various Kinds; Pails of Various Kinds, Including Milking Pails, Curd Pails, Dairy Pails; Hoops for Holding Cheese Curd for Pressing, Milk Troughs or Conductors, Cheese Vats, Receiving and Storage Vats for Milk, Ice-Cream-Brick Boxes, Watering Troughs, and Hog Troughs.
Claims use since Dec. 14, 1923.

Ser. No. 193,326. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANUEL M. DE PICABIA, New York, N. Y. Filed Mar. 6, 1924.

TUPINAMBA

Particular description of goods.—Coffees, Teas, Chocolates, Bonbons, and Cocoa.
Claims use since Jan. 1, 1913.

Ser. No. 193,423. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 7, 1924.

DIP-EX

Particular description of goods.—Hydrocarbon Detergent.
Claims use since Feb. 11, 1924.

Ser. No. 193,447. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NANCY KEAN CHESBROUGH, Grosse Pointe, Mich. Filed Mar. 8, 1924.



No claim is made to the words "French Salad Dressing" apart from the mark as shown in the drawing.
Particular description of goods.—Salad Dressing.
Claims use since June 1, 1923.

Ser. No. 193,457. (CLASS 39. CLOTHING.) GLIX-BRAND UNDERWEAR CO., New York, N. Y. Filed Mar. 8, 1924.

Famous
TUMBLE-IN
NIGHTIES

No claim is made to the exclusive use of the words "Famous," "Nighties" except in connection with the mark shown in the drawing.
Particular description of goods.—Men's, Ladies', and Children's Underwear of All Kinds Made of Silk, Cotton, or Wool or Mixtures.
Claims use since Dec. 1, 1923.

Ser. No. 193,506. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CYCLONE FENCE COMPANY, North Chicago, Ill. Filed Mar. 10, 1924.

"Galv-After"

Particular description of goods.—Chain-Link Fence Fabric.
Claims use since Feb. 7, 1924.

Ser. No. 193,528. (CLASS 37. PAPER AND STATIONERY.) MAGILL-WEINSHEIMER COMPANY, Chicago, Ill. Filed Mar. 10, 1924.

SHURADRES

Particular description of goods.—Window Envelopes.
Claims use since Feb. 1, 1924.

Ser. No. 193,529. (CLASS 37. PAPER AND STATIONERY.) MAGILL-WEINSHEIMER COMPANY, Chicago, Ill. Filed Mar. 10, 1924.

Safadres

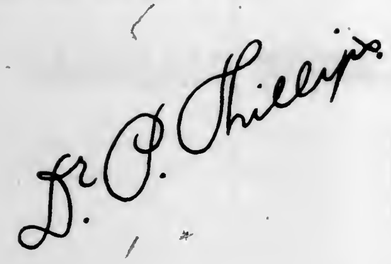
Particular description of goods.—Window Envelopes.
Claims use since Feb. 1, 1924.

Ser. No. 193,593. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Oreg. Filed Mar. 11, 1924.



The words "Swimming Suit" and representation of a swimming suit do not form a part of the mark sought to be registered apart from the mark shown on the drawing.
Particular description of goods.—Swimming Suits.
Claims use since Oct. 15, 1923.

Ser. No. 193,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. P. PHILLIPS COMPANY, Orlando, Fla. Filed Mar. 11, 1924.



The words "Dr. P. Phillips" are in the facsimile handwriting of the president of the corporation.
Particular description of goods.—Citrous Fruits—Namely, Grapefruit, Oranges, and Tangerines in Their Natural State.
Claims use since November, 1922.

Ser. No. 193,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH LAKE APOPKA CITRUS GROWERS ASSOCIATION, Oakland, Fla. Filed Mar. 11, 1924.

SOUTH LAKE BRAND

The word "Brand" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.
Particular description of goods.—Fresh Citrous Fruits.
Claims use since Oct. 8, 1923.

Ser. No. 193,737. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE STEINAU COMPANY, Louisville, Ky. Filed Mar. 13, 1924.

PYRA-GLAS

Particular description of goods.—Advertising Display Signs Comprising a Display Surface Protected by a Coating of Transparent Material.
Claims use since Apr. 1, 1923.

Ser. No. 193,740. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Mar. 13, 1924.

CONTINENTAL

Particular description of goods.—Playing Cards.
Claims use since Mar. 16, 1922.

Ser. No. 193,764. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FOX FILM CORPORATION, New York, N. Y. Filed Mar. 14, 1924.



Particular description of goods.—Motion-Picture Films.
Claims use since about Feb. 1, 1924.

Ser. No. 193,765. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FOX FILM CORPORATION, New York, N. Y. Filed Mar. 14, 1924.



Without waiving any of its common-law rights applicant disclaims exclusive ownership of the word "Series" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Motion-Picture Films.
Claims use since about Feb. 1, 1924.

Ser. No. 193,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE Co., St. Louis, Mo. Filed Mar. 15, 1924.



Particular description of goods.—Tea.
Claims use since about 1880.

Ser. No. 193,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE Co., St. Louis, Mo. Filed Mar. 15, 1924.



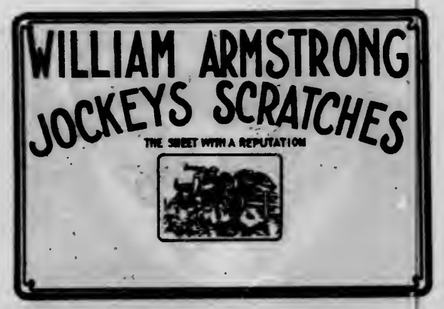
Particular description of goods.—Tea.
Claims use since on or about 1853.

Ser. No. 193,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE Co., St. Louis, Mo. Filed Mar. 15, 1924.



Particular description of goods.—Tea.
Claims use since about 1913.

Ser. No. 193,884. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM ARMSTRONG, New York, N. Y. Filed Mar. 17, 1924.



Without waiver of any common-law rights no claim is made to the exclusive use of the words "The Sheet with a Reputation" apart from the mark shown on the drawing.

Particular description of goods.—Daily Publication.

Claims use since about Jan. 1, 1921.

Ser. No. 193,946. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERBERT NEVINS, doing business as H. Nevins Co., Peoria, Ill. Filed Mar. 17, 1924.



No claim is made to the words "Shoe Polish" and "Peoria, Ill. U. S. A." apart from the mark shown.

Particular description of goods.—Shoe Dressing and Auto-Top and Carriage Dressing.

Claims use since about Feb. 2, 1924.

Ser. No. 194,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany. Filed Mar. 19, 1924.

„Fluoxyth"

Particular description of goods.—Wood-Preserving Preparations or Compounds, Plant and Animal Destroying Preparations or Compounds, and Disinfecting Preparations or Compounds.

Claims use since Aug. 1, 1916.

Ser. No. 194,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany. Filed Mar. 19, 1924.

„Triolith"

Particular description of goods.—Wood-Preserving Preparations or Compounds, Plant and Animal Destroying Preparations or Compounds, and Disinfecting Preparations or Compounds.

Claims use since July 1, 1915.

Ser. No. 194,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany. Filed Mar. 19, 1924.

„Thanalith"

Particular description of goods.—Wood-Preserving Preparations or Compounds, Plant and Animal Destroying Preparations or Compounds, and Disinfecting Preparations or Compounds.

Claims use since Mar. 1, 1916.

Ser. No. 194,068. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) JESSOP STEEL COMPANY, Washington, Pa. Filed Mar. 19, 1924.

JESSCO

Particular description of goods.—High-Speed Steel.

Claims use since Jan. 3, 1924.

Ser. No. 194,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JULIUS A. DOERING, New York, N. Y. Filed Mar. 20, 1924.

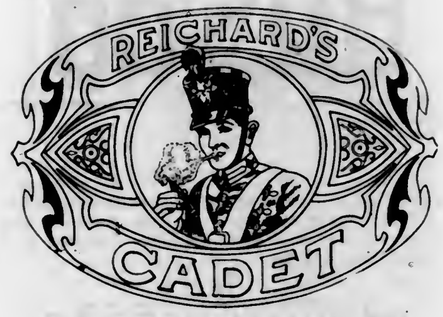


No claim is made to any of the reading matter except the words "Pan America" and "J. A. Doering" apart from the mark as shown in the drawing.

Particular description of goods.—Edible Vegetable Oil.

Claims use since Dec. 29, 1923.

Ser. No. 194,124. (CLASS 17. TOBACCO PRODUCTS.) JOHN F. REICHARD, doing business as Manchester Cigar Company, York, Pa. Filed Mar. 20, 1924.



Applicant does not claim exclusive use of the word "Cadet," as this word has become publici juris in the trade to which the trade-mark relates.

Particular description of goods.—Cigars.

Claims use since Jan. 15, 1924.

Ser. No. 194,142. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) VULCAN CRUCIBLE STEEL COMPANY, Aliquippa, Pa. Filed Mar. 20, 1924.

VULCAN

Particular description of goods.—Steel.

Claims use since Jan. 1, 1902.

Ser. No. 194,152. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y. Filed Mar. 21, 1924.

AUTOMATIC

Particular description of goods.—Photographic Films.

Claims use since Jan. 15, 1924.

Ser. No. 194,252. (CLASS 2. RECEPTACLES.) MILLARD MOORE BOSWORTH, doing business as M. M. Bosworth Company, Memphis, Tenn. Filed Mar. 22, 1924.



No claim is made to the illustration of the bag apart from the mark as shown.

Particular description of goods.—Burlap Bags.

Claims use since Mar. 14, 1924.

Ser. No. 194,340. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM F. DORAN, doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Filed Mar. 24, 1924.

"Narod"

Particular description of goods.—Gear-Shift Extension Handles for Automobiles.

Claims use since September, 1920.

Ser. No. 194,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJ. COLE JR. & CO., Boston, Mass. Filed Mar. 25, 1924.

PARADISE

Particular description of goods.—Canned Vegetables.

Claims use since September, 1902.

Ser. No. 194,534. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GERMANO & SON, New York, N. Y. Filed Mar. 27, 1924.

MARCA GERMANO



Applicant makes no claim to the exclusive use of the words "Marca Lucca Oil" appearing on the drawing separate and apart from the other features of the mark.
Particular description of goods.—Olive Oil.
Claims use since Mar. 1, 1923.

Ser. No. 194,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN'S PHARMACEUTICAL LABORATORIES, Elizabeth, N. J. Filed Mar. 27, 1924.

POLTAWSKY

Particular description of goods.—Medicinal Preparation for Stomach Disorders and Kindred Ailments.
Claims use since Jan. 15, 1921.

Ser. No. 194,575. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Mar. 27, 1924.

Piccadilly

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece. Intended for Men's Overcoatings, Women's Coatings, Cloaks, Suits, Mantles, Etc., Sold in Cut Lengths and in Pieces.
Claims use since Jan. 30, 1924.

Ser. No. 194,590. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CENTRAL GLASS COMPANY, Louisville, Ky.; Huntington, W. Va.; Chattanooga, Tenn.; Evansville, Ind.; and Bristol, Va. Filed Mar. 28, 1924.

CENCOVAR

Particular description of goods.—Varnish Stains, Varnishes, Paint Enamels, and Ready-Mixed Paints.
Claims use since Mar. 8, 1924.

Ser. No. 194,591. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHICAGO FORM CLAMP COMPANY, Chicago, Ill. Filed Mar. 28, 1924.

BOSCO

Particular description of goods.—Form Clamps, Shores, Sleeper Chairs, and Form Spacers.
Claims use since December, 1921.

Ser. No. 194,624. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. FRED SCHMIDT, doing business as Photo-Record Paper Co., Rochester, N. Y. Filed Mar. 28, 1924.

R
P PHOTORECO. P
CO.

Particular description of goods.—Sensitized Photographic Paper.
Claims use since Mar. 10, 1924.

Ser. No. 194,637. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BELL'S UNITED ASBESTOS COMPANY LIMITED, London, England. Filed Mar. 29, 1924.

DIEMO

Particular description of goods.—Plastic Metallic Packing.
Claims use since September, 1923.

Ser. No. 194,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR J. BRANSTAD, doing business as Branstad Drug Company, Eau Claire, Wis. Filed Apr. 1, 1924.

COL-SOR-SAV

Particular description of goods.—Ointment for Treating Cold Sores and Other Skin Affections.
Claims use since Jan. 15, 1924.

Ser. No. 194,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN L. CUSHMAN, Yonkers, N. Y. Filed Apr. 3, 1924.

John L. Cushman
Son of the
Original Cushman
Baker and Confectioner

The script appearing on the mark is the handwriting of the applicant.
Particular description of goods.—Tapioca.
Claims use since Oct. 15, 1923.

Ser. No. 194,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER A. RUTHSTROM, doing business as Earco, Seattle, Wash. Filed Apr. 3, 1924.

EVERJEL

Particular description of goods.—Pectin.
Claims use since May 25, 1923.

Ser. No. 194,999. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass. Filed Apr. 4, 1924.

Lady Bess

Particular description of goods.—Leather Boots, Shoes, and Slippers and Canvas Boots, Shoes, and Slippers.
Claims use since about Jan. 28, 1924.

Ser. No. 195,000. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass. Filed Apr. 4, 1924.

KALIKO KAT

Particular description of goods.—Leather Boots, Shoes, and Slippers and Canvas Boots, Shoes, and Slippers.
Claims use since about Jan. 25, 1924.

Ser. No. 195,061. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOLLEY CARBURETOR COMPANY, Detroit, Mich. Filed Apr. 5, 1924.

HOLLEY

Particular description of goods.—Carburetors for Explosive Engines.
Claims use since about 1905.

Ser. No. 195,097. (CLASS 39. CLOTHING.) EDMONDS SHOE COMPANY, Milwaukee, Wis. Filed Apr. 7, 1924.



Particular description of goods.—Leather Shoes.
Claims use since Mar. 3, 1919.

Ser. No. 195,120. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PETER J. L. NEMMERS, Chicago, Ill. Filed Apr. 7, 1924.

Essential

Particular description of goods.—Dental Hand-Piece Sterilizers and Sterilizers of Dental Apparatus.
Claims use since Jan. 24, 1924.

Ser. No. 195,136. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Apr. 7, 1924.

KERO-PUMP

No claim is made herein to the use of the word "Pump" apart from the mark herein shown.
Particular description of goods.—Hand-Operated Liquid Measuring and Dispensing Apparatus.
Claims use since Mar. 26, 1924.

Ser. No. 195,137. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Apr. 7, 1924.

KERO-TANK

No claim is made herein to the use of the word "Tank" apart from the mark herein shown.
Particular description of goods.—Hand-Operated Liquid Measuring and Dispensing Apparatus.
Claims use since Mar. 26, 1924.

Ser. No. 195,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. J. THORNTON & Co., Louisville, Ky. Filed Apr. 7, 1924.

MAPLE LEAF

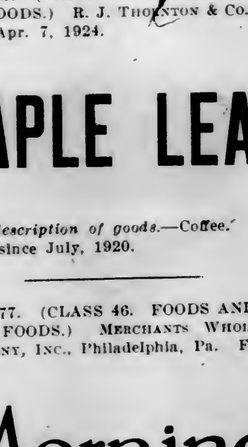
Particular description of goods.—Coffee.
Claims use since July, 1920.

Ser. No. 195,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERCHANTS WHOLESALE GROCERY COMPANY, INC., Philadelphia, Pa. Filed Apr. 8, 1924.

Morning Delight

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1923.

Ser. No. 195,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALOIS JOSEF POLANSKY, Fayetteville, Tex. Filed Apr. 8, 1924.



The portrait appearing as a part of the trade-mark is that of applicant.
Particular description of goods.—Medicinal Preparation for Use in the Treatment of Tuberculosis and All Lung Affections.
Claims use since Feb. 21, 1924.

Ser. No. 195,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEVELAND MILLING COMPANY, Cleveland, Tenn. Filed Apr. 9, 1924.



Particular description of goods.—Wheat Flour.
Claims use since Feb. 15, 1924.

Ser. No. 195,216. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain. Filed Apr. 9, 1924. Under ten-year proviso.

G

Particular description of goods.—Fibers for Brooms and Brushes.
Claims use since Jan. 1, 1887.

Ser. No. 195,217. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain. Filed Apr. 9, 1924.

HVA

Particular description of goods.—Fibers for Brooms and Brushes.
Claims use since Dec. 15, 1916.

Ser. No. 195,219. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain. Filed Apr. 9, 1924.

HV

Particular description of goods.—Fibers for Brooms and Brushes.
Claims use since Jan. 1, 1887.

Ser. No. 195,235. (CLASS 39. CLOTHING.) J. BURTON MUSTIN, doing business as Stratford Knitting Mills, Philadelphia, Pa. Filed Apr. 9, 1924.

Kimo Knit

Particular description of goods.—Kimonos, Wrappers, and Bath Robes.
Claims use since Feb. 14, 1924.

Ser. No. 195,255. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ASSOCIATED PRODUCTS COMPANY, Brooklyn, N. Y. Filed Apr. 10, 1924.

ORBIT

Particular description of goods.—Polish—Namely, Shoe Cream.
Claims use since Mar. 5, 1923.

Ser. No. 195,275. (CLASS 42. KNITTING, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed Apr. 10, 1924.

CREPE MACHREE

Trade-mark consists of the words "Crepe Machree," no claim being made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 3, 1924.

Ser. No. 195,276. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed Apr. 10, 1924.

CREPE PIQUANTE

Trade-mark consists of the words "Crepe Piquante," no claim being made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 3, 1924.

Ser. No. 195,282. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924.



Particular description of goods.—Woolen Blankets.
Claims use since Jan. 17, 1923.

Ser. No. 195,298. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUISE R. MCNAIR, Warsaw, N. Y. Filed Apr. 10, 1924.

Pant-ease

Particular description of goods.—Knitted Diapers.
Claims use since Dec. 17, 1923.

Ser. No. 195,310. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 10, 1924.

Celtic

The drawing is lined for purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Jan. 15, 1922.

Ser. No. 195,311. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Apr. 10, 1924.

DERBY

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Dec. 10, 1922.

Ser. No. 195,312. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 10, 1924.

Ja-quesia

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Sept. 1, 1923.

Ser. No. 195,313. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Apr. 10, 1924.

Silver King Cloth

No claim is made for the use of the word "Cloth" separate and apart from the mark as shown.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since July 1, 1923.

Ser. No. 195,314. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Apr. 10, 1924.

Silvosheen

Trade-mark is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since July 1, 1923.

Ser. No. 195,324. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN FORESTRY ASSOCIATION, Washington, D. C. Filed Apr. 11, 1924.

AMERICAN FORESTS AND FOREST LIFE

Particular description of goods.—Monthly Magazine.
Claims use since Jan. 5, 1924.

Ser. No. 195,329. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BIG VEIN ANTHRACITE COLLIERIES, INC., Washington, D. C. Filed Apr. 11, 1924.

MASTER

Particular description of goods.—Coal.
Claims use since Apr. 4, 1924.

Ser. No. 195,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 11, 1924.

GLOBE

Particular description of goods.—Starch for Laundry and Manufacturing Purposes.
Claims use since Apr. 15, 1907.

Ser. No. 195,342. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Almora

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Corina

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,353. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Cuir de Chamois

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Cuir de Gant

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Cuirgant

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,385. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Narcissa

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,387. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Ponsella

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,389. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Romira

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,391. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Sabina

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,400. (CLASS 39. CLOTHING.) IVORY GARTER COMPANY, New Orleans, La. Filed Apr. 11, 1924.

LIFE LINE

Particular description of goods.—Suspenders and Garters.
Claims use since Mar. 11, 1924.

Ser. No. 195,401. (CLASS 39. CLOTHING.) IVORY GARTER COMPANY, New Orleans, La. Filed Apr. 11, 1924.

MUSCLE

Particular description of goods.—Suspenders and Garters.
Claims use since Feb. 14, 1924.

Ser. No. 195,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSA KNOX, Greenville, Miss. Filed Apr. 11, 1924.

KNOXENE

Particular description of goods.—Hair Grower.
Claims use since Oct. 17, 1923.

Ser. No. 195,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK KOEPPEN, Elkhorn, Wis. Filed Apr. 11, 1924.

KUP'S SALVE

No claim is made to the use of the word "Salve" apart from the mark shown.
Particular description of goods.—Healing Salve.
Claims use since Mar. 27, 1924.

Ser. No. 195,420. (CLASS 33. GLASSWARE.) ALFRED H. SMITH CO. INC., New York, N. Y. Filed Apr. 11, 1924.

Vanette

Particular description of goods.—Bottles of Glass with Ornamental Caps.
Claims use since Dec. 14, 1922.

Ser. No. 195,423. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 11, 1924.

BUCKINGHAM

Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Apr. 7, 1922.

Ser. No. 195,425. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & Co., New York, N. Y. Filed Apr. 11, 1924.

KENILWORTH

Particular description of goods.—Woolen Goods In the Piece and In Short Lengths.
Claims use since Apr. 7, 1922.

Ser. No. 195,452. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LEONARD & BAKER STOVE COMPANY, Taunton, Mass. Filed Apr. 12, 1924.

FAIRMOUNT

Particular description of goods.—Coal and Gas Ranges and Heaters.
Claims use since June, 1908.

Ser. No. 195,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYON & LYON, Chicago, Ill. Filed Apr. 12, 1924.

X—IT

Particular description of goods.—Deodorant and Antiseptic Tonic for the Feet.
Claims use since Feb. 26, 1924.

Ser. No. 195,454. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERCHANTS WHOLESALE GROCERY CO., INC., Philadelphia, Pa. Filed Apr. 12, 1924.

MERCO

Particular description of goods.—Canned Vegetables, Coffee, Tea, and Rice.
Claims use since Jan. 1, 1914.

Ser. No. 195,456. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUNNALLY COMPANY, Atlanta, Ga. Filed Apr. 12, 1924.

BOX BOUNTIFUL

The word "Box" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since 1905.

Ser. No. 195,459. (CLASS 37. PAPER AND STATIONERY.) PULL-THE-STRING MAILING WRAPPER CO., Chicago, Ill. Filed Apr. 12, 1924. Under ten-year proviso.



Particular description of goods.—Mailing Wrapper.
Claims use since prior to Jan. 1, 1895.

Ser. No. 195,502. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DES MOINES SADDLERY COMPANY, Des Moines, Iowa. Filed Apr. 14, 1924.



The lining in the drawing represents the color blue, which is used on the streamers or the representation thereof. Without waiving any common-law rights applicant does not claim the exclusive right to the use of the words "Trade Mark," "Harness," and "Collars" apart from the mark shown.
Particular description of goods.—Harness and Horse Collars.
Claims use since about Apr. 10, 1923.

Ser. No. 195,522. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE S. KANN SONS COMPANY, Washington, D. C. Filed Apr. 14, 1924.

KOOLTEX

Particular description of goods.—Japanese Straw Rugs and Fiber and Grass Rugs.
Claims use since about February, 1915.

Ser. No. 195,525. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LAWRENCE & Co., Poughkeepsie, N. Y. Filed Apr. 14, 1924.

WALCO
Elas-Tricot

No claim is made for "Tricot" apart from the mark shown by the drawing.
Particular description of goods.—Wide Elastic Fabric.
Claims use since Nov. 12, 1923.

Ser. No. 195,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORGENSTERN & COMPANY, New York, N. Y. Filed Apr. 14, 1924.

LEUCOTROPIN

Particular description of goods.—Solution for Intravenous Therapy of Acute Inflammatory Processes.
Claims use since January, 1923.

Ser. No. 195,538. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC LEDGER COMPANY, Philadelphia, Pa. Filed Apr. 14, 1924.

The Daily Mirror of Washington

Particular description of goods.—Title for a Series of Newspaper Articles.
Claims use since Jan. 2, 1924.

Ser. No. 195,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STROHMEYER & ARPE COMPANY, New York, N. Y. Filed Apr. 14, 1924.

TOMATINE

Particular description of goods.—Tomato Products—Namely, Tomato Paste and Tomato Sauce.
Claims use since March, 1924.

Ser. No. 195,564. (CLASS 6, CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LIMITED, New York, N. Y. Filed Apr. 15, 1924.

Celanese BRAND

No claim is made herein to the exclusive use of the word "Brand" apart from the trade mark shown.
Particular description of goods.—Dyestuffs.
Claims use since Mar. 10, 1924.

Ser. No. 195,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALDO FORREST KEELER, doing business as Getz-Off-All Corn Remedy, Washington, D. C. Filed Apr. 15, 1924.

GETZ-OFF-ALL

Particular description of goods.—Preparation for the Treatment of Corns, Calli, and Warts.
Claims use since Apr. 10, 1924.

Ser. No. 195,629. (CLASS 2. RECEPTACLES.) CHRISTIAN N. BERGMANN, Pittsburgh, Pa. Filed Apr. 16, 1924.



No claim is made to the words "Machine Filled and Sealed" apart from the mark as shown.
Particular description of goods.—Paper Containers or Cups.
Claims use since Mar. 25, 1924.

Ser. No. 195,649. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AUGUST MAAG CO., Baltimore, Md. Filed Apr. 16, 1924.

HOT-DOG

Particular description of goods.—Bake Pans.
Claims use since Mar. 7, 1924.

Ser. No. 195,653. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MARCIAN E. SAUNIER, Bay City, Mich. Filed Apr. 16, 1924.

SKY-HOOKS

Particular description of goods.—Concrete Insert.
Claims use since Mar. 21, 1924.

Ser. No. 195,663. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) TERRY TEXTILE CORPORATION, New York, N. Y. Filed Apr. 16, 1924.

SHEDTEX

Particular description of goods.—Waterproof Sheeting.
Claims use since Mar. 17, 1924.

Ser. No. 195,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RHÉE DOUGLAS LORRAINE, New York, N. Y. Filed Apr. 17, 1924.



No claim is made to the words "Perfumeur," "Paris," and "New York" appearing on the drawing.
Particular description of goods.—Cold Cream, Face Powder, Rouges, and Perfumes.
Claims use since Apr. 1, 1924.

Ser. No. 195,738. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. COLEMAN, Elgin, Ill. Filed Apr. 18, 1924.



Particular description of goods.—Quinine Hair Tonic, Toilet Water, Perfume, Nail Polish, Foundation Cream, Cleansing Cream, Rose Lotion, Depilatory, Liquid Rouge, Face Powders, Shampoo, Beauty Clay, and Talcum Powder.
Claims use since Dec. 4, 1923.

Ser. No. 195,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Apr. 18, 1924. Under ten-year proviso.



The figures shown in the drawing are fanciful.
Particular description of goods.—Chemical Preparation Used to Color Sausage Casings.
Claims use since 1894.

Ser. No. 195,749. (CLASS 12. CONSTRUCTION MATERIALS.) KAUL LUMBER COMPANY, Tuscaloosa and Birmingham, Ala. Filed Apr. 18, 1924.

THE KAUL KIND

Particular description of goods.—Rough and Finished Lumber.
Claims use since Aug. 1, 1914.

Ser. No. 135,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHALL'S INC., Clinton, Iowa. Filed Apr. 18, 1924.

Service STARS

Particular description of goods.—Candy.
Claims use since September, 1919.

Ser. No. 195,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Apr. 18, 1924.

WARD'S FINE BREAD

The drawing is lined to indicate color, the word "Ward's" being displayed in white letters on a red background, the word "Fine" in blue letters on a white background, and the word "Bread" in white letters on a blue background. Applicant disclaims any exclusive right to the words "Fine Bread" apart from the other features shown on the drawing.
Particular description of goods.—Bread.
Claims use since Apr. 8, 1924.

Ser. No. 195,795. (CLASS 39. CLOTHING.) AMERICAN HOSIERY AND UNDERWEAR CORPORATION, Norwood, Mass. Filed Apr. 19, 1924.

Granny's

Particular description of goods.—Sweaters, Knitted Underwear, Bathing Suits for Men, Women, and Children, and Hosiery.
Claims use since Feb. 1, 1922.

Ser. No. 195,796. (CLASS 39. CLOTHING.) THE ANDALA COMPANY, Andalusia, Ala. Filed Apr. 19, 1924.

AMERICAN TWINS

Particular description of goods.—Children's Athletic Underwear.
Claims use since May 1, 1923.

Ser. No. 195,800. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK SAMUEL JAMES BROOME, doing business as the Dymuth Company, Matlock, England. Filed Apr. 19, 1924.

DYMUTH

Particular description of goods.—Insect-Destroying Preparations.
Claims use since Sept. 13, 1923.

Ser. No. 195,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLINS-HENCKE CANDY CO., San Francisco, Calif. Filed Apr. 19, 1924.

PASSION FOOD

The word "Food" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since Apr. 2, 1924.

Ser. No. 195,816. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOOD RUBBER COMPANY, Akron, Ohio. Filed Apr. 19, 1924.



The representation of a toy balloon and the words "Good Balloons" are disclaimed apart from the mark shown in the drawing, applicant reserving unto itself, however, all common-law rights it may have to the use thereof.
Particular description of goods.—Toy Balloons.
Claims use since Mar. 14, 1923.

Ser. No. 195,825. (CLASS 37. PAPER AND STATIONERY.) A. R. MEEKER & COMPANY, Newark, N. J. Filed Apr. 19, 1924.

MIMEO-BOND

Particular description of goods.—Paper—viz, Mimeograph and Writing.
Claims use since May 22, 1922.

Ser. No. 195,835. (CLASS 10. FERTILIZERS.) POCAHONTAS GUANO CO., INC., Lynchburg, Va. Filed Apr. 19, 1924.



No claim is made to the exclusive use of the words "Guano" and "Trade-Mark" shown on the drawing.
Particular description of goods.—Fertilizer.
Claims use since Jan. 7, 1924.

Ser. No. 195,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Apr. 19, 1924.

GREYSTONE

Trade-mark drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Sept. 1, 1923.

Ser. No. 195,841. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & COMPANY, New York, N. Y. Filed Apr. 19, 1924.



The drawing is lined to indicate that the trade-mark is printed in black on a red background.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Jan. 1, 1922.

Ser. No. 195,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YE-NOH CANDY COMPANY, Pittsburgh, Pa. Filed Apr. 19, 1924.

Ye-noh
Spell it Backwards

Particular description of goods.—Candy.
Claims use since Nov. 15, 1923.

Ser. No. 195,866. (CLASS 39. CLOTHING.) COHN, RISSMAN & CO., Chicago, Ill. Filed Apr. 21, 1924.

PowderTints

Particular description of goods.—Men's Suits.
Claims use since Feb. 18, 1924.

Ser. No. 195,868. (CLASS 39. CLOTHING.) COHN, RISSMAN & CO., Chicago, Ill. Filed Apr. 21, 1924.



Particular description of goods.—Men's Topcoats.
Claims use since Feb. 18, 1924.

Ser. No. 195,889. (CLASS 39. CLOTHING.) MORRIS KLUGMAN, doing business as California Lingerie Company, Los Angeles, Calif. Filed Apr. 21, 1924.

Silkettes

Particular description of goods.—Ladies' Silk Underwear.
Claims use since September, 1916.

Ser. No. 195,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINNIE E. LEONARD, doing business under the name of Ce' Leb Manufacturing Company, Cleveland, Ohio. Filed Apr. 21, 1924.

CéLeb

Particular description of goods.—Cleansing Creams for the Skin: Skin Beautifier Comprising a Facial Lotion Having Cleansing, Bleaching, and Astringent Action Upon the Skin; a Facial Pack Embodying a Clay Base and Having a Cleansing Action Upon the Skin and Scalp and Having a Healing and Cleansing Action Thereon.
Claims use since Mar. 1, 1922.

Ser. No. 195,903. (CLASS 39. CLOTHING.) OUTLET MILLINERY COMPANY, INCORPORATED, Hartford, Conn. Filed Apr. 21, 1924.



Particular description of goods.—Women's Hats.
Claims use since Jan. 10, 1924.

Ser. No. 195,915. (CLASS 39. CLOTHING.) C. B. SLATER COMPANY, South Braintree, Mass. Filed Apr. 21, 1924.

Bisque

Trade-mark "Bisque."
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since Jan. 1, 1924.

Ser. No. 195,944. (CLASS 32. FURNITURE AND UPHOLSTERY.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Apr. 22, 1924.



Applicant hereby disclaims exclusive use of the word "Stepsaver" apart from the mark shown.
Particular description of goods.—Kitchen Cabinets, Kitchen Bases, and Kitchen Tables.
Claims use since about June, 1923.

Ser. No. 195,965. (CLASS 39. CLOTHING.) JENKINS MANUFACTURING COMPANY, Fort Worth, Tex. Filed Apr. 22, 1924.

MY-PAL

Particular description of goods.—Sport and Play Oversuits for Boys and Girls.
Claims use since Jan. 1, 1924.

Ser. No. 195,990. (CLASS 39. CLOTHING.) SAMUEL SIMON & SON, INC., New York, N. Y. Filed Apr. 22, 1924.

No-Cling

Particular description of goods.—Women's Underwear of Textile Fabric.
Claims use since September, 1923.

Ser. No. 196,031. (CLASS 39. CLOTHING.) ROGERS PEET COMPANY, New York, N. Y. Filed Apr. 23, 1924.

FEATHERMAC

Trade-mark consists of the word "Featherмac."
Particular description of goods.—Mackintoshes and Raincoats.
Claims use since Apr. 11, 1924.

Ser. No. 196,066. (CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed Apr. 24, 1924.

Fade-away

Particular description of goods.—Undergarment for Women to be Worn as a Girdle, Brassière, or Figure-Retaining Garment.
Claims use since Apr. 16, 1924.

Ser. No. 196,090. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. F. WALLISER COMPANY, Chicago, Ill. Filed Apr. 24, 1924.

WALLWEAVE

Particular description of goods.—Decorative Fabrics Made of Fibrous Material—Namely, Cotton, Silk, Mercerized Art Silk, Worsted, Wool, Jute, and Linen, Used Singly or In Combination.
Claims use since on or about Feb. 1, 1924.

Ser. No. 196,097. (CLASS 12. CONSTRUCTION MATERIALS.) WYANDOT CLAY PRODUCTS COMPANY, Upper Sandusky, Ohio. Filed Apr. 24, 1924.

WYANDOT

Particular description of goods.—Bricks.
Claims use since Feb. 1, 1920.

Ser. No. 196,106. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DENVILLE SILK COMPANY, New York, N. Y. Filed Apr. 25, 1924.

VELVET ROSE

Particular description of goods.—Silk Goods in the Piece and Silk Shirtings in the Piece.
Claims use since May, 1921.

Ser. No. 196,125. (CLASS 39. CLOTHING.) LANDE & MISKEND, New York, N. Y. Filed Apr. 25, 1924.

Yolande

Particular description of goods.—Women's Silk Undergarments and Negligees.
Claims use since Apr. 22, 1924.

Ser. No. 196,141. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SUPERIOR NOVELTY MFG. CO., INC., Linden, N. J. Filed Apr. 25, 1924.

LORELEI

Particular description of goods.—Combs.
Claims use since Apr. 10, 1924.

Ser. No. 196,152. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed Apr. 26, 1924. Under ten-year proviso.

SICILIAN

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1891.

Ser. No. 196,173. (CLASS 39. CLOTHING.) NATHANIEL J. MASS, doing business as Mass Manufacturing Company, New York, N. Y. Filed Apr. 26, 1924.

Miss Gaiety

Particular description of goods.—Hats for Women, Misses, and Children.
Claims use since January, 1923.

Ser. No. 196,174. (CLASS 39. CLOTHING.) NATHANIEL J. MASS, doing business as Mass Manufacturing Company, New York, N. Y. Filed Apr. 26, 1924.

Mass

Particular description of goods.—Hats for Women, Misses, and Children.
Claims use since 1917.

Ser. No. 196,178. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINNIE MCELHERAN, Cheyenne, Wyo. Filed Apr. 26, 1924.



No claim is made to the words "Tea Towel" apart from the mark shown in the drawing.
Particular description of goods.—Textile Towels and Tea Towels.
Claims use since Mar. 9, 1924.

Ser. No. 196,197. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROYAL-ASCOT KNITTING MILLS COMPANY, Philadelphia, Pa. Filed Apr. 26, 1924.

"LAYOR"

All common-law rights of the applicant in the trademark shown in the accompanying drawing are, however, reserved.
Particular description of goods.—Knitted Cloth and Fabric of Silk, Artificial Silk, Wool, Cotton, and Combinations of the Same in the Piece.
Claims use since Nov. 12, 1923.

Ser. No. 196,228. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMIL J. BELANGER, Duluth, Minn. Filed Apr. 28, 1924.

LAUNDRO-BEL

Particular description of goods.—Washing Compound.
Claims use since about Sept. 1, 1922.

Ser. No. 196,237. (CLASS 39. CLOTHING.) CUPPLES COMPANY, MANUFACTURERS, St. Louis, Mo. Filed Apr. 28, 1924.



Particular description of goods.—Rubber Heels.
Claims use since Apr. 3, 1924.

Ser. No. 196,279. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VESDAL CREATIONS, INC., New York, N. Y. Filed Apr. 28, 1924.

Lubreespray
THE FRIEND OF YOUR CAR

Particular description of goods.—Spraying Apparatus.
Claims use since Apr. 2, 1924.

Ser. No. 196,296. (CLASS 39. CLOTHING.) DURHAM HOSIERY MILLS, Durham, N. C. Filed Apr. 29, 1924.

WARMIES

Particular description of goods.—Hosiery.
Claims use since Dec. 15, 1923.

Ser. No. 196,297. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FAYFIELD KNOLL COMPANY, Buffalo, N. Y. Filed Apr. 29, 1924.

BUDDY SNOW SKATE

The words "Snow Skate" are disclaimed apart from the mark shown in the drawing, without waiving any common-law rights.

Particular description of goods.—Skates or Devices for Skating Upon Snow.

Claims use since Jan. 15, 1924.

Ser. No. 196,355. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 30, 1924.

Cordford

Trade-mark drawing is lined for the purpose of shading only.

Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.

Claims use since Mar. 1, 1924.

Ser. No. 196,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNIVERSAL MILK COMPANY, Dover, Del. Filed Apr. 30, 1924.

NY·KO BRAND

The word "Brand" is disclaimed.

Particular description of goods.—Evaporated Skimmed Milk.

Claims use since Apr. 20, 1924.

Ser. No. 196,360. (CLASS 39. CLOTHING.) WIMEBACHER & RICE, New York, N. Y. Filed Apr. 30, 1924.

"PLATINUM-GINGER"

Trade-mark consists of the words "Platinum Ginger."

Particular description of goods.—Fabric Gloves and Kid Gloves.

Claims use since Jan. 10, 1923.

Ser. No. 196,429. (CLASS 12. CONSTRUCTION MATERIALS.) CENTRAL COMMERCIAL COMPANY, Chicago, Ill. Filed May 2, 1924.

STASO

Particular description of goods.—Asphaltum and Bituminous Mixtures and Compounds—Namely, Asphalt.

Claims use since Mar. 29, 1924.

Ser. No. 196,465. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD J. MACRI, New York, N. Y. Filed May 2, 1924.

MACRI RATIO-GRAPH NEW YORK

No claim is made to the words "New York."

Particular description of goods.—Market Reports, Scientific Data, Financial and Business Charts, and the Like Published Periodically in the Form of Graphic Charts.

Claims use since Apr. 15, 1924.

Ser. No. 196,484. (CLASS 39. CLOTHING.) SOCIETY MAID HOSIERY COMPANY, INC., New York, N. Y. Filed May 2, 1924.

OUT-O'SITES

Particular description of goods.—Hosiery.

Claims use since on or about Dec. 1, 1923.

Ser. No. 196,494. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed May 2, 1924.

OH! MARGY!

Particular description of goods.—Cartoon Column Pictures and Drawings.

Claims use since Apr. 6, 1924.

Ser. No. 196,500. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed May 3, 1924.

CHAUVERINE

Particular description of goods.—Textile Articles—Namely, Hosiery.

Claims use since May 1, 1924.

Ser. No. 196,508. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 3, 1924. Under ten-year proviso.

OPORTO

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.

Claims use since Jan. 1, 1882.

Ser. No. 196,511. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, Pa. Filed May 3, 1924.

CIRCUS

Particular description of goods.—Hosiery.

Claims use since Apr. 21, 1924.

Ser. No. 196,529. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ABRAHAM LA PIDES, doing business as Derby Ginger Ale Company, Inc., Baltimore, Md. Filed May 3, 1924.

DERBY

Particular description of goods.—Ginger Ale, a Non-alcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink.

Claims use since Apr. 28, 1924.

Ser. No. 196,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MARTIN BROS. COMPANY, Denver, Colo. Filed May 3, 1924.

"it spreads like butter"
Bluhill
taste-full
CHEESE

Reserving all common-law rights, no claim is made to the exclusive right to the use of the words "Taste-Full," "Cheese," and "It spreads like butter" apart from the mark shown.

Particular description of goods.—Cheese and Cheese Products.

Claims use since Mar. 1, 1924.

Ser. No. 196,571. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed May 5, 1924.

GLORIA

Particular description of goods.—Soap and Soap Products.

Claims use since September, 1908.

Ser. No. 196,572. (CLASS 12. CONSTRUCTION MATERIALS.) THE BRADEN COMPANY, Tulsa, Okla. Filed May 5, 1924.

EZBILT

Particular description of goods.—Metal Frames for Buildings, Windows, and Doors.

Claims use since Oct. 8, 1923.

Ser. No. 196,594. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM F. HUDSON, Philadelphia, Pa. Filed May 5, 1924.

HEALTH BOWL

Particular description of goods.—Baby Exercisers.

Claims use since Feb. 1, 1924.

Ser. No. 196,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEET STOCK REMEDY COMPANY, Council Bluffs, Iowa. Filed May 6, 1924.

PEET PROTECTION POWDER

The words "Protection Powder" are disclaimed apart from the mark as shown.

Particular description of goods.—Medicinal Powder Used as a Conditioner, Worm Expeller, Digester, and Fever Suppresser for Domestic Animals; Also a Liquid Dip and Dry Insecticide for Removing Scurf and Destroying Lice.

Claims use since Oct. 1, 1916.

Ser. No. 196,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mrs. FRANK C. DUNN, doing business as The Fresca Co., Lansing, Mich. Filed May 7, 1924.

FRESCA

Particular description of goods.—Antiseptic Powders.
Claims use since November, 1922.

Ser. No. 196,711. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PELZER MANUFACTURING COMPANY, Boston, Mass. Filed May 7, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since 1883.

Ser. No. 196,744. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOHLFELD MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 8, 1924.



Particular description of goods.—Cloth Towels of All Sorts, Wash Rags, Face Cloths, Textile Bath Mats, and Textile Bathroom Rugs.
Claims use since Apr. 23, 1924.

Ser. No. 196,753. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OAKLEY LABORATORIES, INCORPORATED, Minneapolis, Minn. Filed May 8, 1924.

ROAKINE

Particular description of goods.—Embalming Fluid.
Claims use since June 15, 1922.

Ser. No. 196,754. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O. G. CHEMICAL COMPANY, Detroit, Mich. Filed May 8, 1924.

OG
MUSTOMENTHOL
VAPOR

No claim is made to the word "Vapor" apart from the mark shown by the drawing.
Particular description of goods.—Mustard-Plaster Rub for the Treatment of Light Colds, Sore Throat, Colds in the Head, Bronchitis, Tonsillitis, and Deep Chest Colds.
Claims use since Feb. 15, 1924.

Ser. No. 196,771. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPARTAN SAW WORKS, Springfield, Mass. Filed May 8, 1924.

2 in 1

Particular description of goods.—Metal-Cutting Saws, and Particularly Hack-Saw Blades.
Claims use since Apr. 10, 1924.

Ser. No. 196,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STA-STRATE SALES CORPORATION, Atlanta, Ga. Filed May 8, 1924.

STA-STRATE

Particular description of goods.—Chill and Fever Tonic and Hair Dressing.
Claims use since Apr. 2, 1923.

Ser. No. 196,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed May 8, 1924.

BORODENTINE

Particular description of goods.—Dental Cream.
Claims use since about Jan. 1, 1922.

Ser. No. 196,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed May 9, 1924.

Mokine

Particular description of goods.—Wool-Velour Coating Piece Goods.
Claims use since Mar. 1, 1924.

Ser. No. 196,801. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed May 9, 1924.

MELLOCHROME CREPE

Trade-mark consists of the words "Mellochrome Crepe," no claim being made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since May 5, 1924.

Ser. No. 196,815. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LONG HANDKERCHIEF CO., INC., Passaic, N. J., and New York, N. Y. Filed May 9, 1924.

LONGCHAMPS

Particular description of goods.—Handkerchiefs.
Claims use since about Apr. 25, 1924.

Ser. No. 196,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TINOLAN CO. OF AMERICA, INC., New York, N. Y. Filed May 9, 1924.

TINOLAN

Trade-mark consists of the word "Tinolan."
Particular description of goods.—Mothproofing Chemicals.
Claims use since May 6, 1924.

Ser. No. 196,839. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn. Filed May 9, 1924.

BLUE STREAK

Particular description of goods.—Can-Opening Machines.
Claims use since Apr. 29, 1924.

Ser. No. 196,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill. Filed May 10, 1924.

LAX-A-TEA

Particular description of goods.—Infusion Base or Laxative Tea.
Claims use since September, 1915.

Ser. No. 196,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill. Filed May 10, 1924.

RUBISEPTINE

Particular description of goods.—Antiseptic Solution for Local Application in Diluted Form.
Claims use since September, 1915.

Ser. No. 196,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill. Filed May 10, 1924.

GRIP-A-COLD

Particular description of goods.—Capsule or Tablet for the Relief of Colds and Grippe.
Claims use since September, 1915.

Ser. No. 196,862. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex. Filed May 10, 1924.

RICE HOTEL

Particular description of goods.—Salt, Baking Powder, and Cream of Tartar.
Claims use since Mar. 20, 1918.

Ser. No. 196,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed May 10, 1924.

GRASSELERATOR

Particular description of goods.—Dyestuffs, Intermediates, and Accelerators for Rubber Vulcanization.
Claims use since about Apr. 23, 1924.

Ser. No. 196,868. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed May 10, 1924.

CLOCHETTE

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Jan. 1, 1924.

Ser. No. 196,881. (CLASS 12. CONSTRUCTION MATERIALS.) ROGERS AND RICKLIGHTER, Alexandria, Va. Filed May 10, 1924.

STRESBILT

Particular description of goods.—Hollow Concrete Tile.
Claims use since January, 1923.

Ser. No. 196,892. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVID S. WEDGEWORTH, Saucier, Miss. Filed May 10, 1924.

"D.S.W."

Particular description of goods.—Tool-Gripping Devices for Pipe Sections.
Claims use since Feb. 12, 1924.

Ser. No. 196,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AFRICAN & EASTERN TRADING CO., INCORPORATED, New York, N. Y. Filed May 12, 1924.



Particular description of goods.—Wheat Flour.
Claims use since 1911.

Ser. No. 196,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed May 12, 1924.

CHANSONETTE

Particular description of goods.—Toilet Water, Face Powder, Eau de Cologne, Vegetal, Compact Powder, Sachet, Talcum Powder, Bath Salts; Brilliantine, Liquid; Brilliantine, Concrete; Cold Cream, Skin and Tissue Cream, Dusting Powder, Bath Tablets, Dry Rouge, Greaseless Cream, Cleansing Cream, and Perfume.
Claims use since Apr. 28, 1924.

Ser. No. 196,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP MORESCHI, doing business as The National Perfumery Mfg. Co., Waterbury, Conn. Filed May 12, 1924.



Particular description of goods.—Perfumery, Hair Tonics, Preparations for Treatment of Dandruff, Toilet Waters; Hair Dressings—Namely, Hair Dressing and Brilliantine; Shampoo Preparations, Bay Rum, and Witch-Hazel; Cosmetics—Namely, Skin Lotion, Wrinkle Remover, Face Creams, Massage Cream, Beauty Cream, Day Cream, and Night Cream, Toilet Powders, Face Powder, Rouge, Lip Stick, Eyebrow Pencil, Smelling Salts, and Bath Salts.
Claims use since Apr. 25, 1924.

Ser. No. 196,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN PHARMACAL COMPANY, Memphis, Tenn. Filed May 13, 1924.

PERTUSSOL

Trade-mark "Pertussol."
Particular description of goods.—Medicinal Preparation for Use in the Treatment of Pertussis.
Claims use since December, 1923.

Ser. No. 196,951. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST CAPECI, Port Chester, N. Y. Filed May 13, 1924.

THREE BARKS

Particular description of goods.—Medicine for the Treatment of Indigestion, Constipation, Biliousness, Loss of Appetite, Headaches, Sour Stomach, Excess Gas, Distress After Meals, and Intestinal Disorders.
Claims use since Jan. 1, 1922.

Ser. No. 196,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST CAPECI, Port Chester, N. Y. Filed May 13, 1924.

ANA-CURET

Particular description of goods.—Ointment for the Treatment of Eczema and Kindred Skin Troubles.
Claims use since Jan. 1, 1922.

Ser. No. 196,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CLARK MANUFACTURING COMPANY, Fort Smith, Ark. Filed May 13, 1924.

OMO

Particular description of goods.—Vanishing Cream, Cold Cream, Face Bleach, Shampoo, Pressing Oil, and Hair Grower.
Claims use since Mar. 1, 1923.

Ser. No. 196,963. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NICOLAS MONTIEL, New York, N. Y. Filed May 13, 1924.

SEDALINA

Trade-mark consists of the word "Sedalina."
Particular description of goods.—Skin-Beautifying Lotion.
Claims use since May 6, 1919.

Ser. No. 196,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed May 13, 1924.

Marilyn

Particular description of goods.—Talcum Powder.
Claims use since January, 1924.

Ser. No. 196,999. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRADER BARKER, Atlanta, Ga. Filed May 14, 1924.

Wondertone

Particular description of goods.—Liquid Preparation for the Treatment of Indigestion, Rheumatism, Nervousness, and Acidosis.
Claims use since May 1, 1924.

Ser. No. 197,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTEE LABORATORIES COMPANY, Dallas, Tex. Filed May 14, 1924.

JUSTSO

Particular description of goods.—Hair Dressing.
Claims use since May 8, 1924.

Ser. No. 197,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France. Filed May 14, 1924.

GLYCONYOL

Particular description of goods.—Photography.
Claims use since June 1, 1922.

Ser. No. 197,027. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND HOLTZ, Paris, France. Filed May 14, 1924.

Citiane

Particular description of goods.—Perfumes, Toilet Waters, Toilet Creams, Rouges, Face Lotions, Talcum Powder, and Face Powder.
Claims use since May 22, 1923.

Ser. No. 197,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIAWATHA GIN AND MANUFACTURING COMPANY, INC., Wilmington, Del., and Jackson, Miss. Filed May 14, 1924.

"HIAWATHA"



Particular description of goods.—Animal Feed.
Claims use since Apr. 1, 1924.

Ser. No. 197,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INK-OUT MFG. CO., INC., Montclair, N. J. Filed May 14, 1924.



Particular description of goods.—Ink Eradicator.
Claims use since Mar. 27, 1924.

Ser. No. 197,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis. Filed May 14, 1924.

LAND-O-LAKES

Particular description of goods.—Canned Vegetables.
Claims use since July 15, 1920.

Ser. No. 197,042. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed May 14, 1924.

KIDDY

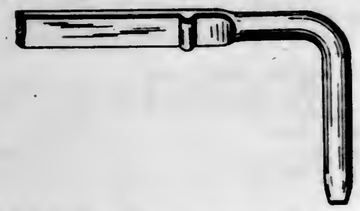
Particular description of goods.—Rattles and Children's Hollow and Floating Toys in Various Forms and Shapes.
Claims use since Apr. 6, 1920.

Ser. No. 197,045. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUFFER-HUBBARD MANUFACTURING COMPANY, Minneapolis, Minn. Filed May 14, 1924.

Rocycle

Particular description of goods.—Children's Tricycles.
Claims use since about May 7, 1924.

Ser. No. 197,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TEXTILE MACHINE WORKS, Wyomissing, Pa. Filed May 14, 1924.



No claim is made to the representation of the goods apart from the mark. The mark consists of a raised transverse rib on the flattened needle stem.
Particular description of goods.—Knitting-Machine Needles and Points.
Claims use since May 3, 1924.

Ser. No. 197,058. (CLASS 46. FOODS, AND INGREDIENTS OF FOODS.) AUERBACH COMPANY, Salt Lake City, Utah. Filed May 15, 1924.

BELLE-FLOWER

Particular description of goods.—Creamery Butter.
Claims use since Apr. 1, 1924.

Ser. No. 197,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONKLIN'S PRODUCTS INC., Long Island City, N. Y. Filed May 15, 1924.

CONKLIN'S
"Kant-Leak"

Particular description of goods.—Radiator Compound.
Claims use since May 1, 1924.

Ser. No. 197,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. F. OTTO MÜLLER, Karlsruhe, Germany. Filed May 15, 1924.

Coldexin

Particular description of goods.—Pastes, Powders, and Liquids for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery, Essential Oils for Cosmetic and Pharmaceutical Purposes and Inhaling Essences.
Claims use since Dec. 28, 1923.

Ser. No. 197,111. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed May 15, 1924.



Particular description of goods.—Silk Piece Goods, Cotton Piece Goods, and Silk and Cotton Piece Goods.
Claims use since January, 1923.

Ser. No. 197,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO SANSONE, Newark, N. J. Filed May 15, 1924.

Plasmodiofugo

Antonio Sansone

Particular description of goods.—Medicine for Malaria.
Claims use since Apr. 15, 1924.

Ser. No. 197,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger, New York, N. Y. Filed May 15, 1924.

CHEW-PATICA

Particular description of goods.—Aromatic Combination of Herbs for the Treatment of Constipation and Torpid Liver.
Claims use since July 1, 1920.

Ser. No. 197,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STASSFURTER CHEMISCHE FABRIK VORMALS VORSTER & GRUNEBERG AKTIEN-GESELLSCHAFT, Stassfurt, Germany. Filed May 15, 1924.

Hardenall

Particular description of goods.—Metal-Hardening Substances
Claims use since Nov. 19, 1923.

Ser. No. 197,123. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WELDONA CORPORATION, Boston, Mass. Filed May 15, 1924.

Foot-Lava

Particular description of goods.—Medicated Mud for Tired and Tender Feet.
Claims use since June 15, 1923.

Ser. No. 197,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. FILIPOWICZ & CO., Baltimore, Md. Filed May 16, 1924.

BLU--PAC

Particular description of goods.—Preparation in Powder Form for Colds, Headaches, Neuralgia, Rheumatism, and Toothache.
Claims use since September, 1923.

Ser. No. 197,156. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y. Filed May 16, 1924.

Teddy-Ken

Particular description of goods.—Woolens and Worsteds in the Piece.
Claims use since about Apr. 1, 1924.

Ser. No. 197,157. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y. Filed May 16, 1924.



Particular description of goods.—Woolens and Worsteds in the Piece.
Claims use since about Apr. 1, 1924.

Ser. No. 197,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT H. LOEB, Charlevoix, Mich. Filed May 16, 1924.

GOLDEN LEADER

Particular description of goods.—Full-Cream Cheese.
Claims use since Apr. 23, 1924.

Ser. No. 197,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAPHY-COLE COMPANY, Memphis, Tenn. Filed May 16, 1924.

MARY SUNSHINE

Particular description of goods.—Talcum Powder.
Claims use since Apr. 1, 1924.

Ser. No. 197,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHAIRMOUNT LABORATORIES, Hackensack, N. J. Filed May 16, 1924.

RAYMINOL

Trade-mark consists of the word "Rayminol."
Particular description of goods.—Tonic for the Digestive Organs.
Claims use since Nov. 24, 1922.

Ser. No. 197,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTLAND LINSEED OIL WORKS, INC., Portland, Oreg. Filed May 16, 1924.



The lining on the drawing is intended to denote that the outer border is blue and the inner panel red.
Particular description of goods.—Linseed-Oil Meal.
Claims use since Mar. 18, 1924.

Ser. No. 197,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PREBOL DRUG COMPANY, Passaic, N. J. Filed May 16, 1924.

MATERNA

Particular description of goods.—Preparation for Leucorrhea or Whites, Irregular and Painful Menstruation, Ulceration and Inflammation of the Womb, Prolapsus Uteri or Falling of the Womb, Nervousness, Pain in the Back, Weakness, and Other Complaints Peculiar to Women.
Claims use since 1907.

Ser. No. 197,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAUSSIER, INC., doing business as Chez Rellew Laboratories, Bethlehem, Pa. Filed May 16, 1924.

CHEZ RÈLLEW LABORATORIES

No claim is made to the word "Laboratories" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Perfumes, Compact Face Powder, Face Powder, Rouge, Nail Polish, Toilet Water, Face Lotions, Hand Lotions, Cold Cream, Vanishing Cream, Massage Cream, Lip Sticks, Face Packs, and Eyebrow Pencils.
Claims use since May 14, 1924.

Ser. No. 197,175. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. SMITH, doing business as H. J. Smith & Company, Utica, N. Y. Filed May 16, 1924.

E-Z-KILL

Particular description of goods.—Louse, Flea, and Insect Destroyer.
Claims use since July 1, 1923.

Ser. No. 197,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATHCART AND CATHCART INC., Newburgh, N. Y. Filed May 17, 1924.

AUTONE

Trade-mark "Autone."
Particular description of goods.—Medicinal Preparation Composed of an Association of Mild Laxative Cholagogue Eliminants for Use in Eliminating Autotoxins in the Treatment of Autointoxication, Constipation, and Biliousness.
Claims use since Jan. 7, 1924.

Ser. No. 197,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUFF K. COX, Columbus, Miss. Filed May 17, 1924.



Particular description of goods.—Liniment and Blood Syrup.
Claims use since Feb. 1, 1924.

Ser. No. 197,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT C. HEATH, doing business as Nasalfilter Company, St. Paul, Minn. Filed May 17, 1924.

NAZ

Particular description of goods.—Chemical Preparation for Treatment of Colds, Catarrh, Asthma, Etc.
Claims use since May 1, 1920.

Ser. No. 197,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANHOPE CHEMICAL LABORATORIES INC., Brooklyn, N. Y. Filed May 17, 1924.

ALCO-PUREE

Particular description of goods.—Rubbing Alcohol.
Claims use since January, 1923.

Ser. No. 197,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WYOMING VALLEY BAKERY, Wilkes-Barre, Pa. Filed May 17, 1924.

QUEEN ESTHER

Particular description of goods.—Bread.
Claims use since Nov. 1, 1922.

Ser. No. 197,240. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed May 19, 1924.

ZIG ZAG

Particular description of goods.—Boning, Steels, and Staying Material for Corsets, Brassières, Combinations of Corsets and Brassières, and Other Wearing Apparel.
Claims use since Mar. 15, 1924.

Ser. No. 197,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LORENZ BENZ, Astoria, N. Y. Filed May 19, 1924.



Particular description of goods.—Remedy for Poison Ivy, Sunburn, and Other Skin Afflictions.
Claims use since about Feb. 28, 1924.

Ser. No. 197,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARA-MIA, INC., Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Toilet Powders, Rouges, Face Creams, and Lotions.
Claims use since May 3, 1924.

Ser. No. 197,253. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CENTRAL CHEMICAL COMPANY, Hagerstown, Md. Filed May 19, 1924.

GROAL

Particular description of goods.—Germicides, Fungicides, Fumigants, Disinfectants, Insecticides, and Liquid and Dusting Materials for Agricultural and Horticultural Purposes.
Claims use since March, 1923.

Ser. No. 197,264. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) DR. S. J. EGAN MANUFACTORY, Chicago, Ill. Filed May 19, 1924.

WAVEX

Particular description of goods.—Hairbrushes.
Claims use since Feb. 1, 1924.

Ser. No. 197,288. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NESTOR JOHNSON MFG. CO., Chicago, Ill. Filed May 19, 1924.

NESTOR JOHNSON
FLYERS

Particular description of goods.—Ice Skates.
Claims use since Apr. 29, 1924.

Ser. No. 197,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNTSVILLE WAREHOUSE COMPANY, Huntsville, Ala. Filed May 20, 1924.

1 AA

Particular description of goods.—Animal Molasses Feeds.
Claims use since Nov. 1, 1923.

Ser. No. 197,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREAT WEST MILL & ELEVATOR COMPANY, Amarillo, Tex. Filed May 21, 1924.

LUNA DE ORO

Particular description of goods.—Wheat Flour.
Claims use since March, 1922.

Ser. No. 197,412. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BLOCK HOUSE, INC., New York, N. Y. Filed May 22, 1924.

UNION

Particular description of goods.—Toy Building Blocks.
Claims use since about January, 1920.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 1, 1924.

185,952. SOIL PIPE AND FITTINGS FOR SAME. ABENDROTH BROTHERS, Port Chester, N. Y.
Filed December 7, 1923. Serial No. 189,345. PUBLISHED APRIL 22, 1924.

185,953. PULVERIZED ANIMAL MANURE. PACIFIC MANURE & FERTILIZER CO., San Francisco, Calif.
Filed November 26, 1923. Serial No. 188,924. PUBLISHED APRIL 22, 1924.

185,954. PLOW AND LISTER SHARES, CULTIVATOR SHOVELS, STOCK PARTS, OR SHAPES THEREFOR. STAR MANUFACTURING COMPANY, Carpentersville, Ill.
Filed November 24, 1923. Serial No. 188,869. PUBLISHED APRIL 15, 1924.

185,955. SHOVELS AND SPADES. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y.
Filed November 20, 1923. Serial No. 188,614. PUBLISHED APRIL 15, 1924.

185,956. INTERNAL-COMBUSTION ENGINES. STERLING ENGINE CO., Buffalo, N. Y.
Filed November 14, 1923. Serial No. 188,337. PUBLISHED APRIL 15, 1924.

185,957. INTERNAL-COMBUSTION ENGINES. STERLING ENGINE CO., Buffalo, N. Y.
Filed November 14, 1923. Serial No. 188,336. PUBLISHED APRIL 15, 1924.

185,958. INTERNAL COMBUSTION ENGINES. STERLING ENGINE CO., Buffalo, N. Y.
Filed November 14, 1923. Serial No. 188,335. PUBLISHED APRIL 15, 1924.

185,959. ACID CONCENTRATORS, ACID AND PHENOL STILLS, ACID EGGS, AGITATORS, AUTOCLAVES, CAUSTIC POTS, HYDROCHLORIC-ACID PANS, REDUCERS, NITRATORS, SULPHONATORS, AND METAL ACID RETORTS. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y.
Filed November 14, 1923. Serial No. 188,293. PUBLISHED APRIL 22, 1924.

185,960. CERTAIN HARDWARE. ROWAN & BODEN, LIMITED, Glasgow, Scotland.
Filed November 8, 1923. Serial No. 188,135. PUBLISHED APRIL 15, 1924.

185,961. MALTED MILK, MALTED-MILK CHOCOLATE, MALTED-MILK TOFFEE, CONDENSED MILK, DRIED MILK, TOFFEE, MILK CHOCOLATE, CARAMELS, AND OTHER CANDIES. THEW HOOKER & GILBEY, LTD., London, England.
Filed October 29, 1923. Serial No. 187,650. PUBLISHED APRIL 15, 1924.

185,962. SOCKET-WRENCH SETS. THE NEW BRITAIN MACHINE CO., New Britain, Conn.
Filed October 9, 1923. Serial No. 186,753. PUBLISHED APRIL 15, 1924.

185,963. GENERAL TONIC. SOC. AN. FSCO. CINZANO & CIA., Turin, Italy.
Filed September 17, 1923. Serial No. 185,879. PUBLISHED APRIL 8, 1924.

185,964. PHARMACEUTICAL PRODUCTS FOR EXTERNAL ANTISEPTIC. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,054. PUBLISHED APRIL 15, 1924.

185,965. PHARMACEUTICAL PRODUCTS FOR USE IN AEL SYPHILITIC MANIFESTATIONS. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,053. PUBLISHED APRIL 15, 1924.

185,966. PHARMACEUTICAL PRODUCTS. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,052. PUBLISHED APRIL 15, 1924.

185,967. PHARMACEUTICAL PRODUCTS FOR EXTERNAL ANTISEPTIC. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,051. PUBLISHED APRIL 15, 1924.

185,968. PHARMACEUTICAL PRODUCTS FOR EXTERNAL ANTISEPTIC. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,050. PUBLISHED APRIL 15, 1924.

185,969. SHOVELS AND SPADES. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y.
Filed November 20, 1923. Serial No. 188,613. PUBLISHED APRIL 15, 1924.

185,970. SHAVING BRUSHES, TOOTHBRUSHES, MILITARY BRUSHES, PAINTBRUSHES, HAIRBRUSHES, AND BARBERS' DUSTERS. HELDTITE BRUSH CO. INC., Troy, N. Y.
Filed April 19, 1922. Serial No. 162,548. PUBLISHED APRIL 22, 1924.

185,971. SPICES, COFFEE, AND TEA. THE WOOLSON SPICE COMPANY, Toledo, Ohio.
Filed March 10, 1922. Serial No. 160,522. PUBLISHED APRIL 22, 1924.

185,972. POWDERED COCOA, POWDERED CHOCOLATE AND COCOA. ROYAL COCOA CO., Jersey City, N. J.
Filed August 23, 1920. Serial No. 136,388. PUBLISHED NOVEMBER 27, 1923.

185,973. GEARS AND DIFFERENTIALS AND PARTS THEREOF. NEW PROCESS GEAR CORPORATION, Syracuse, N. Y.
Filed May 14, 1920. Serial No. 132,443. PUBLISHED APRIL 22, 1924.

185,974. DOLLS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed March 10, 1924. Serial No. 193,533. PUBLISHED APRIL 22, 1924.

185,975. MEAT AND BONE SCRAP POULTRY FEED. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed March 10, 1924. Serial No. 193,491. PUBLISHED APRIL 22, 1924.

185,976. LATCH NEEDLES. CHAUNCEY A. WILLIAMS, Manchester, N. H.
Filed November 14, 1923. Serial No. 188,354. PUBLISHED APRIL 22, 1924.

185,977. INTERNAL-COMBUSTION ENGINES. STERLING ENGINE CO., Buffalo, N. Y.
Filed November 14, 1923. Serial No. 188,334. PUBLISHED APRIL 15, 1924.

185,978. PREPARATION FOR THE TREATMENT OF ECZEMA AND SCABIES. BARNARD KAISER, Seattle, Wash.
Filed June 4, 1923. Serial No. 181,528. PUBLISHED MARCH 11, 1924.

185,979. PERFUME AND TOILET WATER. R. H. MACY & CO., INC., New York, N. Y.
Filed February 12, 1924. Serial No. 192,187. PUBLISHED APRIL 15, 1924.

185,980. INSECTICIDES AND FUNGICIDES. RICHES, PIVER & CO., New York, N. Y.
Filed February 11, 1924. Serial No. 192,149. PUBLISHED APRIL 15, 1924.

185,981. COUGH SIRUP. CARL A. HURSTELL, doing business as The Elhurst Co., Utica, N. Y.
Filed February 11, 1924. Serial No. 192,124. PUBLISHED APRIL 15, 1924.

185,982. SILVER PREPARATION FOR THE TREATMENT OF GONORRHEA AND AS A GENERAL GERMICIDE. SEECK & KADE, INC., New York, N. Y.
Filed February 9, 1924. Serial No. 192,094. PUBLISHED APRIL 8, 1924.

185,983. CUTICLE REMOVER; NAIL POLISH IN LIQUID, POWDER, AND CAKE FORM. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed February 8, 1924. Serial No. 192,030. PUBLISHED APRIL 8, 1924.

185,984. TOOTH PASTE. JACK & GILL HEALTH PRODUCTS, INC., New York, N. Y.
Filed February 2, 1924. Serial No. 191,708. PUBLISHED APRIL 8, 1924.

185,985. SUPPOSITORIES. LAUBER & LAUBER CO., Chicago, Ill.
Filed February 8, 1924. Serial No. 192,024. PUBLISHED APRIL 8, 1924.

185,986. PREPARATION FOR THE HAIR AND SCALP. STANLEY M. BALTZLY, doing business as The Baltzly Company, Massillon, Ohio.
Filed February 8, 1924. Serial No. 192,002. PUBLISHED APRIL 8, 1924.

185,987. CARBONATED LAXATIVE DRINK. SPARKLO COMPANY, Seymour, Ind.
Filed February 7, 1924. Serial No. 191,986. PUBLISHED APRIL 8, 1924.

185,988. HAIR TONIC AND HAIRDRESSING. L. J. RICE, Chicago, Ill.
Filed February 7, 1924. Serial No. 191,981. PUBLISHED APRIL 8, 1924.

185,989. PREPARATION FOR THE TREATMENT OF INFANT BOWEL DISORDERS. FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex.
Filed February 2, 1924. Serial No. 191,690. PUBLISHED APRIL 8, 1924.

185,990. FACE POWDER. THE REMILLER CO., New York, N. Y.
Filed February 7, 1924. Serial No. 191,979. PUBLISHED MARCH 25, 1924.

185,991. PREPARATION FOR THE TREATMENT OF CERTAIN FORMS OF INFLAMMATION, CONGESTION, ACHES, PAINS, AND COLDS. ISADORE RALPH WEINSTOCK, doing business as Thyrole Chemical Co., Philadelphia, Pa.
Filed February 1, 1924. Serial No. 191,653. PUBLISHED APRIL 8, 1924.

185,992. PREPARATION FOR CERTAIN AILMENTS. FRANK C. PENNY, doing business as The L. E. P. Company, Sterling, Kans.
Filed February 7, 1924. Serial No. 191,977. PUBLISHED APRIL 8, 1924.

185,993. CONSTIPATION CORRECTOR. JOSEPH D. GEMMATO, doing business as Erbador Laboratories, New York, N. Y.
Filed February 7, 1924. Serial No. 191,956. PUBLISHED APRIL 8, 1924.

185,994. PREPARATION FOR RHEUMATISM, BURNS, CUTS, PAINS, AND ACHES OF ALL KINDS. FOSTER ARTIS, Chicago, Ill.
Filed February 7, 1924. Serial No. 191,934. PUBLISHED APRIL 8, 1924.

185,995. REMEDY FOR HEADACHE AND NEURALGIA. W. B. JAQUES DRUG COMPANY, INC., Plattsburgh, N. Y.
Filed February 6, 1924. Serial No. 191,885. PUBLISHED APRIL 8, 1924.

185,996. GERMICIDE AND DEODORANT. THE NORMAN C. HAYNER COMPANY, Rochester, N. Y.
Filed February 6, 1924. Serial No. 191,881. PUBLISHED APRIL 8, 1924.

185,997. MEDICINAL MIXTURES FOR THE TREATMENT OF BILIOUSNESS, NAUSEA, SEASICKNESS, ETC. FLETCHER BELL SHARP, Toronto, Ontario, Canada.
Filed February 5, 1924. Serial No. 191,844 PUBLISHED APRIL 8, 1924.

185,998. FOOT POWDER. WILL D. JENKINS, Seattle, Wash.
Filed February 5, 1924. Serial No. 191,831. PUBLISHED APRIL 8, 1924.

185,999. TOOTH PASTES, TOOTH POWDERS, AND SACHETS. RICHARD HUDNUT, New York, N. Y.
Filed February 5, 1924. Serial No. 191,829. PUBLISHED APRIL 8, 1924.

186,000. PREPARATION FOR THE TREATMENT OF HAIR, A PREPARATION FOR THE TREATMENT OF PYORRHEA, AND A PREPARATION FOR THE TREATMENT OF FOOT AILMENTS. ANNIE BERKOWITZ, doing business as Berkoline Chemical Co., Brooklyn, N. Y.
Filed February 5, 1924. Serial No. 191,811. PUBLISHED APRIL 8, 1924.

186,001. PREPARATIONS FOR THE TREATMENT OF RHEUMATISM, PYORRHEA, AND CHAFED SKIN. THE SMITH FAMILY, LIMITED, Grandfield, Okla.
Filed February 2, 1924. Serial No. 191,721. PUBLISHED APRIL 15, 1924.

186,002. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET POWDER, COLD CREAM, BRILLIANTINE, BATH SALTS, AND ROUGE. HOUBIGANT, INC., New York, N. Y.
Filed January 31, 1924. Serial No. 191,512. PUBLISHED APRIL 1, 1924.

186,003. PERFUME EXTRACTS, TOILET WATER, FACE LOTIONS, EAU DE COLOGNE, RICE POWDER, TOILET POWDER, DENTIFRICES, AND ROUGE. MAURICE BARANI, Paris, France.
Filed January 31, 1924. Serial No. 191,520. PUBLISHED APRIL 1, 1924.

186,004. PERFUME EXTRACTS, TOILET WATER, FACE LOTIONS, EAU DE COLOGNE, RICE POWDER, TOILET POWDER, DENTIFRICES, AND ROUGE. MAURICE BARANI, Paris, France.
Filed January 31, 1924. Serial No. 191,518. PUBLISHED APRIL 1, 1924.

186,005. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, ROUGE, BRILLIANTINE, FACE LOTION, COLD CREAM, AND SACHET. BLANCHE ARVOY NÉE RENEAUX, doing business as Jovoy, Paris, France.
Filed January 22, 1924. Serial No. 191,139. PUBLISHED APRIL 1, 1924.

186,006. REMEDY FOR ACUTE URETHRITIS. CHLORINE PRODUCTS CO., INC., New York, N. Y.
Filed January 19, 1924. Serial No. 191,006. PUBLISHED APRIL 1, 1924.

186,007. INTERNAL ANTISEPTIC. CHLORINE PRODUCTS CO., INC., New York, N. Y.
Filed January 19, 1924. Serial No. 191,005. PUBLISHED APRIL 1, 1924.

186,008. ANTISEPTIC SURGICAL DRESSING. CHLORINE PRODUCTS CO., INC., New York, N. Y.
Filed January 19, 1924. Serial No. 191,004. PUBLISHED APRIL 1, 1924.

186,009. SCALP PREPARATIONS. ELLA IOLA THOMAS, Memphis, Tenn.
Filed January 17, 1924. Serial No. 190,946. PUBLISHED APRIL 8, 1924.

186,010. LAXATIVE MEDICINE PREPARATIONS. ELIZABETH W. KIRKHAM, doing business as Trinity Drug Company, New York, N. Y.
Filed January 17, 1924. Serial No. 190,930. PUBLISHED APRIL 15, 1924.

186,011. EMBALMING PREPARATIONS. JOHN H. DE NORMANDIE, doing business as Naselmo Products Company, Brooklyn, N. Y.
Filed January 16, 1924. Serial No. 190,873. PUBLISHED MARCH 25, 1924.

186,012. TOILET POWDER. CARON CORPORATION, New York, N. Y.
Filed January 14, 1924. Serial No. 190,767. PUBLISHED MARCH 25, 1924.

186,013. TOOTH PASTE. MORITZ SCHLESINGER, New York, N. Y.
Filed January 12, 1924. Serial No. 190,745. PUBLISHED MARCH 25, 1924.

186,014. SKIN LOTION. EDWARD A. RICHMOND, doing business as E. A. Richmond, Springfield, Mass.
Filed January 12, 1924. Serial No. 190,742. PUBLISHED APRIL 8, 1924.

186,015. EXTERNAL SALVE FOR ECZEMA, BARBERS' ITCH, BOILS, OPEN CUTS OR SORES, POISON OAK, AND ALL IRRITATIONS OF THE SKIN. JOHN R. STRAIGHT, Portland, Oreg.
Filed January 11, 1924. Serial No. 190,711. PUBLISHED APRIL 1, 1924.

186,016. COAL-TAR DYESTUFFS, PRINCIPALLY FOR MEDICINAL USE AS A DISINFECTANT AND ANTISEPTIC. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y.
Filed January 11, 1924. Serial No. 190,702. PUBLISHED MARCH 25, 1924.

186,017. INSECTICIDES AND FUNGICIDES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed January 11, 1924. Serial No. 190,681. PUBLISHED MARCH 25, 1924.

186,018. LIQUID INTERNAL HERB MEDICINE, GENERAL TONIC, ELIMINATOR. EAGLE REDWOOD, doing business as Redwood Medicine Company, Indianapolis, Ind.
Filed January 9, 1924. Serial No. 190,609. PUBLISHED APRIL 8, 1924.

186,019. HAY-FEVER REMEDY. BENJAMIN TURNER, New York, N. Y.
Filed January 7, 1924. Serial No. 190,523. PUBLISHED APRIL 15, 1924.

186,020. DENTAL ANÆSTHETIC. GUY D. SHIPHERD, doing business as Tooth-Num Laboratories, Omaha, Nebr.
Filed January 5, 1924. Serial No. 190,475. PUBLISHED APRIL 15, 1924.

186,021. HAIR SHAMPOO AND HAIR WASHES. ROBERT ROUTH, doing business as Swedish Litehair Shampoo Company, New York, N. Y., assignor to Guaranteed Products, Inc., a Corporation of New York.
Filed January 5, 1924. Serial No. 190,473. PUBLISHED APRIL 15, 1924.

186,022. SODIUM SALT OF N-PHENYLGLYCINEAMIDE-P-ARSONIC ACID. THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH, New York, N. Y.
Filed January 5, 1924. Serial No. 190,470. PUBLISHED APRIL 1, 1924.

186,023. HAIR TONIC. BERTHA HEWEKERL, Omaha, Nebr.
Filed January 5, 1924. Serial No. 190,457. PUBLISHED APRIL 15, 1924.

186,024. PILE OINTMENT AND LIVER AND BOWEL TABLETS. WILLIAM R. DARLINGTON, doing business as Kuro Remedy Company, Kansas City, Mo.
Filed January 5, 1924. Serial No. 190,447. PUBLISHED APRIL 1, 1924.

186,025. CHEMICALS USED FOR THE TANNING OF HIDES. ROHM & HAAS CO., INC., Philadelphia, Pa.
Filed December 29, 1923. Serial No. 190,271. PUBLISHED APRIL 8, 1924.

186,026. INSECTICIDES AND FUNGICIDES. H. J. WALRATH & SONS, Conneaut, Ohio.
Filed December 17, 1923. Serial No. 189,826. PUBLISHED MARCH 25, 1924.

186,027. STAIN REMOVER AND NAP RAISER FOR FABRICS. PHILIP HOROWITZ, doing business as Kno-Shine Co., New York, N. Y.
Filed December 12, 1923. Serial No. 189,565. PUBLISHED APRIL 15, 1924.

186,028. MEDICINE FOR CHICKEN POX, SORE-HEAD, DIPHTHERIA AND ROUP IN FOWLS. HIRAM LOUIS RICHARDSON, Portsmouth, Va.
Filed December 11, 1923. Serial No. 189,521. PUBLISHED APRIL 15, 1924.

186,029. NONFREEZING AND NONEVAPORATING AUTOMOBILE RADIATOR SOLUTION. GEORGE J. PECK, Davenport, Iowa.
Filed November 30, 1923. Serial No. 189,069. PUBLISHED MARCH 25, 1924.

186,030. LIQUID SPRAY TO BE USED AGAINST FLIES, MOSQUITOES, MOTHS, FLEAS, BEDBUGS, LICE, COCKROACHES, AND ANTS. ALLAIRE, WOODWARD & CO., Peoria, Ill.
Filed November 27, 1923. Serial No. 188,944. PUBLISHED APRIL 1, 1924.

186,031. HAIR POMADE. MAMIE L. TAYLOR, Harrisburg, Pa.
Filed September 26, 1923. Serial No. 186,256. PUBLISHED APRIL 8, 1924.

186,032. SHAMPOO POWDER. RALEIGH K. BABCOCK, doing business as The Bermudine Company, New York, N. Y.
Filed August 28, 1923. Serial No. 185,071. PUBLISHED APRIL 8, 1924.

186,033. TOILET ACCESSORIES. GUY T. GIPSON, INCORPORATED, New York, N. Y.
Filed August 1, 1923. Serial No. 183,919. PUBLISHED APRIL 15, 1924.

186,034. CERTAIN TOILET PREPARATIONS. GUY T. GIPSON, INCORPORATED, New York, N. Y.
Filed August 1, 1923. Serial No. 183,917. PUBLISHED MARCH 25, 1924.

186,035. BLOOD PURIFIERS. WALTER W. WIECZOREK, doing business as W. W. Laboratories, Chicago, Ill.
Filed June 15, 1923. Serial No. 182,082. PUBLISHED APRIL 1, 1924.

186,036. CIGARS. BERTHA SIMPSON, New York, N. Y.
Filed December 14, 1923. Serial No. 189,696. PUBLISHED APRIL 22, 1924.

186,037. FRESH MILK AND CREAM, CHEESE, COTTAGE CHEESE, BUTTER, AND ICE CREAM. LYNDONVILLE CREAMERY ASSOCIATION, Lyndonville, Vt.
Filed December 19, 1923. Serial No. 189,905. PUBLISHED APRIL 15, 1924.

186,038. BALL, ROLLER, AND THRUST BEARINGS AND STEEL-BALL AND CONNECTING-ROD AND CRANK-SHAFT BEARINGS. L. C. SMITH BEARINGS CO., Chicago, Ill.
Filed December 19, 1923. Serial No. 189,921. PUBLISHED APRIL 22, 1924.

186,039. TICKET DELIVERING AND REGISTERING MACHINES. ROLLTIC LIMITED, London, England.
Filed December 26, 1923. Serial No. 190,129. PUBLISHED APRIL 22, 1924.

186,040. WATERPROOF SHEETING. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed December 28, 1923. Serial No. 190,197. PUBLISHED APRIL 22, 1924.

186,041. TRAPS, STRAINERS, AND PARTS THEREOF AND FITTINGS FOR STEAM, GAS, WATER, AND OIL. SARCO COMPANY, INC., New York, N. Y.
Filed January 2, 1924. Serial No. 190,360. PUBLISHED APRIL 15, 1924.

186,042. CIGARS. HARRIET NEWEL MUSSER, Hammond, Ind.
Filed January 11, 1924. Serial No. 190,701. PUBLISHED APRIL 22, 1924.

186,043. SOFT DRINKS. DRINKLITE CO., Chicago, Ill.
Filed January 11, 1924. Serial No. 190,712. PUBLISHED APRIL 22, 1924.

186,044. THREAD AND YARN. THE LINEN THREAD CO., New York, N. Y.
Filed January 12, 1924. Serial No. 190,733. PUBLISHED APRIL 15, 1924.

186,045. TIRE CHAINS AND TIRE CROSS CHAINS. THE COLUMBUS MCKINNON CHAIN COMPANY, Columbus, Ohio.
Filed January 15, 1924. Serial No. 190,831. PUBLISHED APRIL 22, 1924.

186,046. ESSENTIAL OILS. ETABLISSEMENTS ANTOINE CHIRIS, COMPAGNIE DES PRODUITS AROMATIQUES, CHIMIQUES ET MEDICINAUX, Paris, France.
Filed January 18, 1924. Serial No. 190,961. PUBLISHED APRIL 22, 1924.

186,047. BATH SALTS AND TOILET POWDER. F. R. ARNOLD & CO., New York, N. Y.
Filed January 23, 1924. Serial No. 191,159. PUBLISHED APRIL 15, 1924.

186,048. CHLORINATED ORGANIC COMPOUNDS FOR INSULATING, FIREPROOFING, SOLVENT, AND OTHER PURPOSES. HALOWAX CORPORATION, New York, N. Y.
Filed January 23, 1924. Serial No. 191,176. PUBLISHED APRIL 15, 1924.

186,049. VAPORIZING APPARATUS FOR INTERNAL-COMBUSTION ENGINES. HOLLEY CARBURETOR COMPANY, Detroit, Mich.
Filed January 19, 1924. Serial No. 191,019. PUBLISHED APRIL 22, 1924.

186,050. LAXATIVE. EATONIC REMEDY COMPANY, Chicago, Ill.
Filed January 24, 1924. Serial No. 191,225. PUBLISHED APRIL 15, 1924.

186,051. YEAST. LIBERTY YEAST CORPORATION, Baltimore, Md.
Filed January 25, 1924. Serial No. 191,273. PUBLISHED APRIL 15, 1924.

186,052. HAIR TONIC. CHARLES LEWIS SWAIM, Hayden, Ariz.
Filed January 25, 1924. Serial No. 191,287. PUBLISHED APRIL 15, 1924.

186,053. TOOTH PASTE. IODENT CHEMICAL COMPANY, Detroit, Mich.
Filed January 26, 1924. Serial No. 191,320. PUBLISHED APRIL 15, 1924.

186,054. BOILER COMPOUNDS. FISHER-SMITH MFG. CO., INC., New York, N. Y.
Filed February 1, 1924. Serial No. 191,611. PUBLISHED APRIL 15, 1924.

186,055. A SOFT DRINK AND SIRUP. DAVID E. HONEYCUTT, Shelby, N. C.
Filed February 2, 1924. Serial No. 191,706. PUBLISHED APRIL 22, 1924.

186,056. CIGARETTE MACHINERY AND PARTS THEREOF. EBCO MACHINE CORPORATION, New York, N. Y.
Filed February 4, 1924. Serial No. 191,762. PUBLISHED APRIL 22, 1924.

186,057. CHOCOLATE-COVERED ICE-CREAM CONFECTION. FERDINAND DEUTSCHMANN, St. Louis, Mo.
Filed February 1, 1924. Serial No. 191,605. PUBLISHED APRIL 22, 1924.

186,058. SALTED PEANUTS. FRED N. VARNEY, Lynchburg, Va.
Filed February 4, 1924. Serial No. 191,796. PUBLISHED APRIL 22, 1924.

186,059. COFFEE. DWINELL-WRIGHT COMPANY, Boston, Mass.
Filed February 5, 1924. Serial No. 191,823. PUBLISHED APRIL 22, 1924.

186,060. PORTLAND CEMENT. PENINSULAR PORTLAND CEMENT COMPANY, Cement City, Mich.
Filed February 8, 1924. Serial No. 192,034. PUBLISHED APRIL 22, 1924.

186,061. OINTMENT FOR RHEUMATISM AND GENERAL HEALING PURPOSES. PETER P. DEKEN, Hartford, Conn.
Filed February 12, 1924. Serial No. 192,172. PUBLISHED APRIL 22, 1924.

186,062. PILE REMEDY. JAMES W. MILSTEAD, Huntington, W. Va.
Filed February 13, 1924. Serial No. 192,210. PUBLISHED APRIL 22, 1924.

186,063. PAPER BAGS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed February 13, 1924. Serial No. 192,232. PUBLISHED APRIL 15, 1924.

186,064. PAPER BAGS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed February 13, 1924. Serial No. 192,233. PUBLISHED APRIL 15, 1924.

186,065. PAPER BAGS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed February 13, 1924. Serial No. 192,234. PUBLISHED APRIL 15, 1924.

186,066. PAPER BAGS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed February 13, 1924. Serial No. 192,235. PUBLISHED APRIL 15, 1924.

186,067. OIL USED IN FABRIC TREATMENT FOR DEGUMMING AND KIER BOILING AND IN THE COMBINED BOILING-OFF AND DYEING OPERATIONS. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,274. PUBLISHED APRIL 22, 1924.

186,068. PREPARATION FOR THE TREATMENT OF TEXTILE FABRICS DURING BOILING-OUT OPERATIONS. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,276. PUBLISHED APRIL 22, 1924.

186,069. ENVELOPES. THE CHURCH-BUDGET ENVELOPE COMPANY, Salem, Ohio.
Filed February 21, 1924. Serial No. 192,602. PUBLISHED APRIL 15, 1924.

186,070. CANDY. CREST CANDY COMPANY, Philadelphia, Pa.
Filed February 21, 1924. Serial No. 192,605. PUBLISHED APRIL 22, 1924.

186,071. COFFEE. FISHER COFFEE CO., San Francisco, Calif.
Filed February 23, 1924. Serial No. 192,681. PUBLISHED APRIL 22, 1924.

186,072. WRITING PAPER. E. E. LLOYD PAPER COMPANY, Chicago, Ill.
Filed February 25, 1924. Serial No. 192,776. PUBLISHED APRIL 15, 1924.

186,073. WRITING PAPER. E. E. LLOYD PAPER COMPANY, Chicago, Ill.
Filed February 25, 1924. Serial No. 192,777. PUBLISHED APRIL 15, 1924.

186,074. CANNED TOMATOES. THE UTAH CANNING COMPANY, Ogden, Utah.
Filed February 26, 1924. Serial No. 192,869. PUBLISHED APRIL 22, 1924.

186,075. FRESH CITROUS FRUITS. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif.
Filed February 27, 1924. Serial No. 192,910. PUBLISHED APRIL 22, 1924.

186,076. CHOCOLATE CANDY. HOEFLER CENTENIAL CHOCOLATES, INC., San Francisco, Calif.
Filed February 28, 1924. Serial No. 192,975. PUBLISHED APRIL 22, 1924.

186,077. MINT LOZENGES. THOMAS JOHN DEAN, doing business as Dean's Novelty Company, Muskogee, Okla.
Filed March 3, 1924. Serial No. 193,159. PUBLISHED APRIL 22, 1924.

186,078. FOUNTAIN PENS. GEORGE ZAIN, doing business as Crocker Pen Mfg. Company, Boston, Mass.
Filed March 10, 1924. Serial No. 193,561. PUBLISHED APRIL 22, 1924.

186,079. PHARMACEUTICAL PRODUCTS FOR THE TREATMENT OF SYPHILITIC MANIFESTATIONS. SOCIETE CHIMIQUE DES USINES DU RHONE, Paris, France.
Filed August 27, 1923. Serial No. 185,048. PUBLISHED APRIL 15, 1924.

186,080. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL USES OTHER THAN THE TREATMENT OF CONSTIPATION. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J.
Filed August 14, 1923. Serial No. 184,479. PUBLISHED APRIL 22, 1924.

186,081. REMEDIES FOR THE TREATMENT OF BILIOUS AND LIVER COMPLAINTS AND INFECTIONS. PHARMAZEUTISCHE INDUSTRIE, A. G., Vienna, Austria.
Filed July 31, 1923. Serial No. 183,886. PUBLISHED APRIL 15, 1924.

186,082. MIXTURE OF GELATIN, SUGAR, FLAVOR, AND COLOR FOR GELATIN DESSERT MADE BY ADDING CONTENTS OF PACKAGE TO BOILING WATER AND ALLOWING TO COOL. THE ROBB-ROSS COMPANY, Sioux City, Iowa.
Filed July 18, 1923. Serial No. 183,409. PUBLISHED APRIL 15, 1924.

186,083. VALVE-IN-HEAD ATTACHMENTS FOR AUTOMOBILE ENGINES. RAJO MOTOR COMPANY, Racine, Wis.
Filed June 6, 1923. Serial No. 181,615. PUBLISHED APRIL 22, 1924.

186,084. VEGETABLES, FRUITS, JELLIES, AND JAMS. OLIVER WILLIAMS, Cornwall Bridge, Conn.
Filed May 18, 1923. Serial No. 180,820. PUBLISHED APRIL 15, 1924.

186,085. ARTIFICIAL LARD AND COOKING OIL OBTAINED BY THE SATURATION BY MEANS OF HYDROGEN OF UNSATURATED FATTY ACIDS. SOCIÉTÉ DE STÉARINERIE ET SAVONNERIE DE LYON, Lyon, France.
Filed May 4, 1923. Serial No. 180,196. PUBLISHED APRIL 15, 1924.

186,086. SOFT DRINKS AND SIRUPS. FRANK LATKA, doing business as Columbia Water Co., Jersey City, N. J.
Filed April 12, 1923. Serial No. 179,047. PUBLISHED APRIL 22, 1924.

186,087. SWIVEL CASTERS AND CASTER CENTERING AND RETAINING DEVICES. JAMES B. LADD, Des Moines, Iowa.
Filed December 20, 1922. Serial No. 173,603. PUBLISHED APRIL 15, 1924.

186,088. ROLLED OATS AND WHEAT FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,531. PUBLISHED NOVEMBER 6, 1923.

186,089. CERTAIN FOOD PRODUCTS. ALLEN-RETHEMEYER CO., St. Louis, Mo.
Filed December 16, 1922. Serial No. 173,386. PUBLISHED APRIL 22, 1924.

186,090. A TABLE GAME PLAYED WITH PIECES. JOSEPH S. YOUNG, doing business as Gem Publishing Company, Cleveland, Ohio.
Filed December 1, 1922. Serial No. 172,812. PUBLISHED MARCH 13, 1923.

186,091. CIGARETTES. ARDATH TOBACCO COMPANY, LIMITED, London, England.
Filed November 14, 1922. Serial No. 171,977. PUBLISHED APRIL 22, 1924.

186,092. PULLEYS OR BLOCKS. BOSTON & LOCKPORT BLOCK COMPANY, Boston, Mass.
Filed October 28, 1922. Serial No. 171,303. PUBLISHED APRIL 15, 1924.

186,093. CERTAIN NAMED FOOD PRODUCTS. HULMAN & CO., Terre Haute, Ind.
Filed October 17, 1922. Serial No. 170,819. PUBLISHED SEPTEMBER 18, 1923.

186,094. SHOVELS, SPADES, SCOOPS, POSTHOLE DIGGERS, AND WOODEN HANDLES. BALDWIN TOOL WORKS, Parkersburg, W. Va.
Filed July 10, 1922. Serial No. 166,637. PUBLISHED APRIL 22, 1924.

186,095. PUBLICATIONS ISSUED IRREGULARLY. HARRY L. ALFORD, Chicago, Ill.
Filed February 16, 1924. Serial No. 192,350. PUBLISHED APRIL 8, 1924.

186,096. BINDER TWINE AND MANILA ROPE. R. HOOD HAGGIE & SON, LIMITED, Newcastle-on-Tyne, England.
Filed January 29, 1924. Serial No. 191,435. PUBLISHED APRIL 15, 1924.

186,097. PUBLICATIONS ON THE CORRECTION OF SPEECH DEFECTS. SAMUEL D. ROBBINS, Boston, Mass.
Filed January 28, 1924. Serial No. 191,405. PUBLISHED APRIL 8, 1924.

186,098. MAGAZINE WHICH IS PUBLISHED QUARTERLY OR OFTENER. WM. FILENE'S SONS COMPANY, Boston, Mass.
Filed January 3, 1924. Serial No. 190,452. PUBLISHED APRIL 1, 1924.

186,099. BOOKLET PUBLISHED BIMONTHLY. NATIONAL LICORICE COMPANY, Brooklyn, N. Y.
Filed December 29, 1923. Serial No. 190,264. PUBLISHED APRIL 8, 1924.

186,100. CASH COUPONS. CASH COUPON CO., Lincoln, Nebr.
Filed December 26, 1923. Serial No. 190,090. PUBLISHED APRIL 8, 1924.

186,101. NEWSPAPER ARTICLES. THE CALL PUBLISHING CO., San Francisco, Calif.
Filed July 2, 1923. Serial No. 182,701. PUBLISHED APRIL 8, 1924.

186,102. PERIODICAL RELATING TO BOYS' WORK OF THE ROTARY CLUB OF NEW YORK AND PUBLISHED AT IRREGULAR INTERVALS. ROTARY CLUB OF NEW YORK, New York, N. Y.
Filed June 25, 1923. Serial No. 182,440. PUBLISHED APRIL 1, 1924.

186,103. COTTON TWINE. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md.
Filed May 25, 1923. Serial No. 181,143. PUBLISHED APRIL 22, 1924.

186,104. COTTON DUCK AND COTTON TWINE. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md.
Filed May 25, 1923. Serial No. 181,142. PUBLISHED APRIL 15, 1924.

186,105. EGGS. WILLNER & MAIMAN, Brooklyn, N. Y.
Filed December 11, 1922. Serial No. 173,220. PUBLISHED MAY 1, 1923.

186,106. PUBLICATIONS PUBLISHED FROM TIME TO TIME, SPECIALIZING ON SUBJECTS PERTAINING TO VOCATIONAL TRAINING. WILLIAM ROSENGARTEN, doing business as Bureau of Vocational Research, New York, N. Y.
Filed October 17, 1922. Serial No. 170,837. PUBLISHED APRIL 8, 1924.

186,107. LITHOGRAPHS. NIAGARA LITHOGRAPH CO., Buffalo and New York, N. Y.
Filed August 19, 1922. Serial No. 168,484. PUBLISHED NOVEMBER 27, 1923.

186,108. SONG AND STORY LEAFLETS OR BOOKLETS WHICH ARE A COMBINATION OF SONG AND STORY. TWELLAR-MEREDITH CO., New York, N. Y.
Filed December 18, 1923. Serial No. 189,871. PUBLISHED APRIL 1, 1924.

186,109. DAILY TRADE PUBLICATIONS. MOTOR-FAX, Los Angeles, Calif.
Filed September 12, 1923. Serial No. 185,916. PUBLISHED APRIL 8, 1924.

186,110. BOOKLETS AND FOLDERS ISSUED FROM TIME TO TIME. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 29, 1920. Serial No. 138,946. PUBLISHED MARCH 7, 1922.

186,111. TAXIMETERS. THE AMERICAN TAXIMETER COMPANY, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York.
Filed March 7, 1924. Serial No. 193,375. PUBLISHED APRIL 22, 1924.

186,112. TAXIMETERS. THE AMERICAN TAXIMETER COMPANY, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York.
Filed March 7, 1924. Serial No. 193,374. PUBLISHED APRIL 22, 1924.

186,113. PRETZELS. PENNSYLVANIA BAKING COMPANY, Scranton, Pa.
Filed March 6, 1924. Serial No. 193,353. PUBLISHED APRIL 22, 1924.

186,114. FILES AND RASPS. G. & H. BARNETT COMPANY, Philadelphia, Pa.
Filed March 6, 1924. Serial No. 193,319. PUBLISHED APRIL 22, 1924.

186,115. SOUND DEVICES FOR TOYS. THE ART METAL WORKS, INC., Newark, N. J.
Filed March 6, 1924. Serial No. 193,317. PUBLISHED APRIL 22, 1924.

186,116. SPARK-PLUG-CLEANING TOOL. OTTO FRISCHKNECHT, Union Hill, N. J.
Filed March 5, 1924. Serial No. 193,280. PUBLISHED APRIL 22, 1924.

186,117. FURNITURE NAILS. THE BERRECKER & ROWLAND MFG. CO., Waterville, Conn.
Filed March 4, 1924. Serial No. 193,209. PUBLISHED APRIL 22, 1924.

186,118. DOLLS. JEANETTE DOLL CO., INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,176. PUBLISHED APRIL 22, 1924.

186,119. MOTION-PICTURE FILMS. MONOGRAM PICTURES CORPORATION, New York, N. Y.
Filed March 1, 1924. Serial No. 193,114. PUBLISHED APRIL 22, 1924.

186,120. FLEXIBLE SHAFTS AND FLEXIBLE-SHAFT OUTFITS FOR PATTERN MAKERS, DIESINKERS, AND WELDERS. THE HERGI MANUFACTURING COMPANY, Bridgeport, Conn.
Filed March 1, 1924. Serial No. 193,109. PUBLISHED APRIL 22, 1924.

186,121. CIGARS. JOSEPH LIMBERT, Independence, Iowa.
Filed February 29, 1924. Serial No. 193,055. PUBLISHED APRIL 22, 1924.

186,122. SOFT DRINKS. MT. HOOD SODA WATER WORKS, Portland, Oreg.
Filed February 26, 1924. Serial No. 192,849. PUBLISHED APRIL 22, 1924.

186,123. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita, Kans.
Filed February 23, 1924. Serial No. 192,719. PUBLISHED APRIL 22, 1924.

186,124. POWDER USED IN THE MANUFACTURE OF ICE CREAM AND ICES. CLARA L. BEELER, doing business as The Beeler Mills, Pleasant Hill, Mo.
Filed February 23, 1924. Serial No. 192,660. PUBLISHED APRIL 15, 1924.

186,125. FERTILIZERS. SWIFT AND COMPANY, Chicago, Ill.
Filed February 21, 1924. Serial No. 192,650. PUBLISHED APRIL 22, 1924.

186,126. WROUGHT-IRON PIPE NIPPLES. READING IRON COMPANY, Reading, Pa.
Filed February 21, 1924. Serial No. 192,643. PUBLISHED APRIL 15, 1924.

186,127. SALVE. HOLSTEIN & HOLSTEIN, Batesburg, S. C.
Filed February 19, 1924. Serial No. 192,531. PUBLISHED APRIL 22, 1924.

186,128. CERTAIN NAMED TOILET PREPARATIONS. GUY T. GIBSON, INCORPORATED, New York, N. Y.
Filed August 1, 1923. Serial No. 183,916. PUBLISHED MARCH 25, 1924.

186,129. SMOKED BACON, HAMS, SHOULDERS, COTTAGE BUTTS, JOWLS, FRESH AND SMOKED SAUSAGE, PURE LARD, BOLOGNA, HEAD CHEESE, AND TONGUE. THE W. P. EATON PACKING COMPANY, Hamilton, Ohio.
Filed June 28, 1921. Serial No. 149,742. PUBLISHED APRIL 22, 1924.

186,130. HOOPS, BARRELS, BARREL HEADS, STAVES, AND COOPERAGE STOCK. STEPHEN JERRY & CO., INC., New York and Brooklyn, N. Y.
Filed July 28, 1922. Serial No. 167,524. PUBLISHED APRIL 15, 1924.

186,131. PAPER BAGS. UNION BAG & PAPER CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed September 2, 1922. Serial No. 169,038. PUBLISHED APRIL 15, 1924.

186,132. PAPER BAGS. UNION BAG & PAPER CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed September 2, 1922. Serial No. 169,039. PUBLISHED APRIL 15, 1924.

186,133. DATES. THE TROPICAL DATE COMPANY, INC. Thermal, doing business as Valley Packing Association, Coachella, Calif.
Filed November 3, 1922. Serial No. 171,559. PUBLISHED APRIL 22, 1924.

186,134. TRUNKS AND BAGGAGE, AND MORE PARTICULARLY TRUNKS FOR AUTOMOBILE USE, TRAVELING BAGS, SUITCASES, AND PORTFOLIOS. MCKANE-LINS CO., Milwaukee, Wis.
Filed July 2, 1923. Serial No. 182,715. PUBLISHED APRIL 15, 1924.

186,135. CANDIED POP CORN. HERBERT W. EAKINS, doing business as Long Eakins Co., Springfield, Ohio.
Filed December 15, 1922. Serial No. 173,350. PUBLISHED APRIL 22, 1924.

186,136. PREPARED TOASTED COCONUT. FRANKLIN BAKER COMPANY, Philadelphia, Pa.
Filed November 17, 1922. Serial No. 172,151. PUBLISHED APRIL 22, 1924.

186,137. BUILDING MATERIALS—VIZ, BUILDING LIME, HYDRATED LIME, AND GROUND LIMESTONE FOR BUILDING PURPOSES. NEW ENGLAND LIME COMPANY, Danbury, Conn.
Filed August 2, 1923. Serial No. 183,986. PUBLISHED APRIL 22, 1924.

186,138. CANDY. MAYANLAKE CANDY COMPANY, Chicago, Ill.
Filed August 1, 1923. Serial No. 183,934. PUBLISHED APRIL 22, 1924.

186,139. CANDY. FRANK M. HOYT, doing business as F. M. Hoyt & Co., Amesbury, Mass.
Filed December 29, 1923. Serial No. 190,253. PUBLISHED APRIL 22, 1924.

186,140. PASTEBOARD BOXES. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed December 6, 1923. Serial No. 189,335. PUBLISHED APRIL 15, 1924.

186,141. COMBINATION HAT CARRIERS AND OVERNIGHT BAGS. H. S. FORST & CO., Philadelphia, Pa.
Filed November 8, 1923. Serial No. 188,114. PUBLISHED APRIL 15, 1924.

186,142. BOND PAPER, WHITE AND COLORS. THE JOHNSTON-ALBERSHART CO., Cincinnati, Ohio.
Filed October 31, 1923. Serial No. 187,741. PUBLISHED JANUARY 8, 1924.

186,143. TOILET PAPER. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash.
Filed October 22, 1923. Serial No. 187,352. PUBLISHED APRIL 22, 1924.

186,144. PAPER AND PAPER PRODUCTS—NAMELY, TOILET PAPER AND ENVELOPES. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash.
Filed October 22, 1923. Serial No. 187,351. PUBLISHED APRIL 22, 1924.

186,145. CHEWING GUM. CHARLES ARTHUR BIRCHFIELD, New York, N. Y.
Filed August 18, 1923. Serial No. 184,635. PUBLISHED APRIL 22, 1924.

186,146. SHINGLES. EXCEL SHINGLE COMPANY, Seattle, Wash.
Filed January 31, 1924. Serial No. 191,535. PUBLISHED APRIL 22, 1924.

186,147. CALCINED-GYPSUM WALL PLASTERS. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed January 26, 1924. Serial No. 191,347. PUBLISHED APRIL 22, 1924.

186,148. FOLDING PAPER BOXES AND FIBER DRUMS. CLIMAX MANUFACTURING COMPANY, Castorland, N. Y.
Filed January 7, 1924. Serial No. 190,495. PUBLISHED APRIL 15, 1924.

186,149. BALL, ROLLER, AND THRUST BEARINGS, STEEL BALLS, AND CONNECTING-ROD AND CRANK-SHAFT BEARINGS. L. C. SMITH BEARINGS CO., Chicago, Ill.
Filed February 6, 1924. Serial No. 191,916. PUBLISHED APRIL 22, 1924.

186,150. STEPLADDERS. LANDIS & CO., Philadelphia, Pa.
Filed February 8, 1924. Serial No. 192,023. PUBLISHED APRIL 22, 1924.

186,151. APPARATUS FOR MAKING CHEMICAL AND BACTERIOLOGICAL TESTS OF MILK AND OTHER LIQUIDS. HARRY F. LICHTENBERG, Buffalo, N. Y.
Filed February 11, 1924. Serial No. 192,128. PUBLISHED APRIL 22, 1924.

186,152. CARD GAME. HUGO MONNIG, Jefferson City, Mo.
Filed February 11, 1924. Serial No. 192,140. PUBLISHED APRIL 22, 1924.

186,153. GARMENT HANGERS. NONA J. MARKS, doing business as Stay Fast Hanger Co., Philadelphia, Pa.
Filed February 23, 1924. Serial No. 192,712. PUBLISHED APRIL 22, 1924.

186,154. AUTOMATIC STORAGE GAS WATER HEATERS. GENERAL WATER HEATER CORPORATION, Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,374. PUBLISHED APRIL 22, 1924.

186,155. AUTOMATIC STORAGE GAS WATER HEATERS. GENERAL WATER HEATER CORPORATION, Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,373. PUBLISHED APRIL 22, 1924.

186,156. RANGE BOILERS AND HOT-WATER-STORAGE TANKS. RIVERSIDE BOILER WORKS, INC., Cambridge, Mass.
Filed February 14, 1924. Serial No. 192,271. PUBLISHED APRIL 22, 1924.

186,157. SOFTENER, INTENSIFIER, AND FINISH IN TREATING TEXTILE FABRICS. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,277. PUBLISHED APRIL 22, 1924.

186,158. SCOURING AND FULLING OILS AND SOFTENERS USED IN THE TREATMENT OF TEXTILES. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,278. PUBLISHED APRIL 22, 1924.

186,159. SOFTENERS FOR SOFTENING AND FINISHING IN THE TEXTILE TRADES. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,279. PUBLISHED APRIL 22, 1924.

186,160. PREPARATION FOR TEXTILE FABRICS, PARTICULARLY DURING THE DYEING OPERATION. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,280. PUBLISHED APRIL 22, 1924.

186,161. INSECTICIDE. THE PEP CHEMICAL CO., Burbank, Calif.
Filed January 25, 1924. Serial No. 191,281. PUBLISHED APRIL 22, 1924.

186,162. PREPARATION FOR THE HAIR AND SKIN. THE ANZORA PERFUMERY COMPANY, LIMITED, Kilburn, London, England.
Filed September 13, 1921. Serial No. 152,879. PUBLISHED APRIL 22, 1924.

186,163. INCUBATORS. WILLIAM J. SCHENKEL, Brookville, Ind.
Filed February 13, 1924. Serial No. 192,226. PUBLISHED APRIL 22, 1924.

186,164. FLAVORING AND COLORING SAUCE FOR SOUPS, STEWS, AND GRAVY. HANS FREDERIK HANSEN, doing business as Golden State Mfg. & Packing Co., San Francisco, Calif.
Filed February 14, 1924. Serial No. 192,252. PUBLISHED APRIL 15, 1924.

186,165. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed February 16, 1924. Serial No. 192,390. PUBLISHED APRIL 22, 1924.

186,166. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed February 16, 1924. Serial No. 192,391. PUBLISHED APRIL 22, 1924.

186,167. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed February 16, 1924. Serial No. 192,392. PUBLISHED APRIL 22, 1924.

186,168. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed February 16, 1924. Serial No. 192,393. PUBLISHED APRIL 22, 1924.

186,169. TOILET PREPARATIONS. HARRY KAYE, doing business as Harry Kaye, Perfumer, New York, N. Y.
Filed February 16, 1924. Serial No. 192,394. PUBLISHED APRIL 22, 1924.

186,170. TOILET PREPARATIONS. HARRY KAYE, doing business as Harry Kaye, Perfumer, New York, N. Y.
Filed February 16, 1924. Serial No. 192,395. PUBLISHED APRIL 22, 1924.

186,171. EMULSION USED IN TREATING CONSTIPATION. NOLYEC LABORATORIES, INC., Chicago, Ill.
Filed February 16, 1924. Serial No. 192,415. PUBLISHED APRIL 22, 1924.

186,172. LIQUID INSECTICIDE. THADDEUS R. BROOKS, doing business as The Wonder Fly Killer Co., Bell, Calif.
Filed February 19, 1924. Serial No. 192,514. PUBLISHED APRIL 22, 1924.

186,173. TENTS. THE DENVER TENT & AWNING COMPANY, Denver, Colo.
Filed February 18, 1924. Serial No. 192,481. PUBLISHED APRIL 22, 1924.

186,174. MECHANICAL ANIMAL TOYS. ANIMATH TOY COMPANY, New York, N. Y.
Filed February 6, 1924. Serial No. 191,867. PUBLISHED APRIL 22, 1924.

186,175. ELECTRICALLY-OPERATED GASOLINE-MEASURING DEVICES, PARTICULARLY FOR USE ON AUTOMOBILES. THE REITER-KING-DUGAN COMPANY, Akron, Ohio.
Filed February 5, 1924. Serial No. 191,840. PUBLISHED APRIL 22, 1924.

186,176. LAXATIVE COUGH SIRUP. VICTOR F. KRING, doing business as Saltier Laboratory, Fort Wayne, Ind.
Filed February 5, 1924. Serial No. 191,834. PUBLISHED APRIL 15, 1924.

186,177. HAIR GROWER. PALMOMONT BEAUTY COMPANY, Middleburg, Va.
Filed February 5, 1924. Serial No. 191,839. PUBLISHED APRIL 22, 1924.

186,178. CORRUGATING AND CRIMPING MACHINES, POWER SQUARING AND GAP SHEARS, FORMING PRESSES AND BRAKES, CURVING AND CULVERT ROLLS, CORRUGATED TANK AND CAN MACHINES, CONDUCTOR-PIPE MACHINERY, EAVES-TROUGH MACHINES, AND ROOFING MACHINERY. THE STREINE TOOL & MANUFACTURING COMPANY, New Bremen, Ohio.
Filed February 4, 1924. Serial No. 191,793. PUBLISHED APRIL 22, 1924.

186,179. CHEMICALS, MEDICINES, PHARMACEUTICAL, AND TOILET PREPARATIONS. JOSEPH HENRY KARP, New York, N. Y.
Filed January 3, 1924. Serial No. 190,378. PUBLISHED APRIL 22, 1924.

186,180. CERTAIN CHEMICAL, MEDICINAL, PHARMACEUTICAL, AND TOILET PREPARATIONS. JOSEPH HENRY KARP, New York, N. Y.
Filed January 3, 1924. Serial No. 190,379. PUBLISHED APRIL 22, 1924.

186,181. TOILET POWDER. THE COMFORT POWDER CO., Boston, Mass.
Filed February 8, 1924. Serial No. 192,010. PUBLISHED APRIL 22, 1924.

186,182. ANTIFREEZING COMPOUND FOR AUTOMOBILE RADIATORS. THE H.—L. PRODUCTS CO. OF BALTIMORE, Baltimore, Md.
Filed January 29, 1924. Serial No. 191,432. PUBLISHED APRIL 22, 1924.

186,183. RANGE BOILERS AND HOT-WATER-STORAGE TANKS. RIVERSIDE BOILER WORKS, INC., Cambridge, Mass.
Filed February 14, 1924. Serial No. 192,270. PUBLISHED APRIL 22, 1924.

186,184. SKYLIGHTS. ALFRED PEKKALA, Rochester, Minn.
Filed February 13, 1924. Serial No. 192,219. PUBLISHED APRIL 22, 1924.

186,185. HAIR GROWER. KATHERINE PERDICAKES, New York, N. Y.
Filed January 26, 1924. Serial No. 191,338. PUBLISHED APRIL 22, 1924.

186,186. LIVER PILLS. DR. KILMER & CO., Binghamton, N. Y.
Filed February 11, 1924. Serial No. 192,127. PUBLISHED APRIL 22, 1924.

186,187. COMPACT POWDER, COMPACT ROUGE, LIP STICK, LIQUID ROUGE, AND PASTE ROUGE. OAKLEY & CO., New York, N. Y.
Filed February 8, 1924. Serial No. 192,032. PUBLISHED APRIL 22, 1924.

186,188. CANDY. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed February 2, 1922. Serial No. 158,795. PUBLISHED NOVEMBER 28, 1922.

186,189. ICE CREAM. REID ICE CREAM COMPANY, Brooklyn, N. Y.
Filed February 10, 1922. Serial No. 159,179. PUBLISHED AUGUST 1, 1922.

186,190. HEATING AND VENTILATING APPARATUS—NAMELY, GRILLES, SCREENS, REGISTERS, AND VENTILATORS, EITHER PLAIN OR ORNAMENTAL, HAVING A PLATED OR IMITATION PLATED OR OXIDIZED FINISH. TUTTLE & BAILEY MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed August 18, 1922. Serial No. 168,439. PUBLISHED APRIL 22, 1924.

186,191. CHOCOLATE CANDY BAR. A. B. MEWHINNEY CO., INC., Terre Haute, Ind.
Filed August 19, 1922. Serial No. 168,481. PUBLISHED JULY 3, 1923.

186,192. SILK, ARTIFICIAL-SILK, COTTON, LINEN, AND WOOLEN PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed December 30, 1922. Serial No. 174,006. PUBLISHED MARCH 6, 1923.

186,193. CANDY. G. W. CHASE AND SON MERCANTILE CO., St. Joseph, Mo.
Filed March 1, 1923. Serial No. 176,787. PUBLISHED MAY 29, 1923.

186,194. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF RHEUMATISM. CHIEF BLACK HAWK, INC., New York, N. Y.
Filed April 17, 1923. Serial No. 179,260. PUBLISHED APRIL 22, 1924.

186,195. PHARMACEUTICAL PRODUCTS AND PREPARATIONS. ROBERT KRONSTEIN, doing business as Heinrich Steiden's Nachf. Robert Kronstein, Vienna, Austria.
Filed June 22, 1923. Serial No. 182,345. PUBLISHED APRIL 22, 1924.

186,196. PHARMACEUTICAL PRODUCTS FOR SPASMOLYTIC AND SIMILAR PURPOSES. CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland.
Filed December 6, 1923. Serial No. 189,298. PUBLISHED APRIL 22, 1924.

186,197. STOCK TONIC. MADISON ELIOTT ROGERS, Winder, Ga.
Filed December 29, 1923. Serial No. 190,270. PUBLISHED APRIL 22, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

186,198. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEON J. BARWOOD, doing business as L. J. Barwood Mfg. Co., Stoneham, Mass. Filed May 6, 1924. Serial No. 196,644.

L. J. BARWOOD MFG. CO.

Particular description of goods.—Washers, Leathers, Gaskets, and Packings Made of Leather, Composition, and Other Fibrous Materials.
Claims use since 1900.

186,199. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 3, 1924. Serial No. 196,506.

PERSIAN

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1898.

186,200. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOLDEN EAGLE BUGGY COMPANY, Atlanta, Ga. Filed Apr. 30, 1924. Serial No. 196,339.

WEAR-WELL

Particular description of goods.—Inner Tubes, Pneumatic Tires, Cord Tires, and Fabric Tires.
Claims use since Sept. 2, 1921.

186,201. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARCUS NALLEY, doing business as Nalley's Pure Food Products, Tacoma, Wash. Filed Apr. 26, 1924. Serial No. 196,182.

NALLEY'S

Particular description of goods.—Salad Dressing, Thousand Island Dressing, Prepared Mustard, Honey, Mayonnaise Dressing, Horse-Radish, Tartar Sauce, Potato Chips, and Breakfast Sirup.
Claims use since Mar. 15, 1921.

186,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUSHMAN'S SONS, INC., New York, N. Y. Filed Apr. 10, 1924. Serial No. 195,265.

Cushman's SONS INC

Particular description of goods.—Food Products—Namely, Bread, Cake, Candy, Rolls, Pies, Crullers, Toast, Doughnuts, and Zwieback.
Claims use since December, 1914.

186,203. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Apr. 4, 1924. Serial No. 194,992.

LOCOMOTIVE

Particular description of goods.—Hose Made of Rubber Reinforced with Fabric.
Claims use for not less than one year.

186,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. P. PHILLIPS COMPANY, Orlando, Fla. Filed Mar. 11, 1924. Serial No. 193,623.

"FIT TO EAT"

Particular description of goods.—Citrous Fruits in Their Natural State.
Claims use since Nov. 6, 1922.

186,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. P. PHILLIPS COMPANY, Orlando, Fla. Filed Mar. 11, 1924. Serial No. 193,622.

"ALWAYS RIPE"
Dr. P. Phillips
"FIT TO EAT"

Particular description of goods.—Citrous Fruits in Their Natural State.
Claims use since Nov. 5, 1922.

186,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. P. PHILLIPS COMPANY, Orlando, Fla. Filed Mar. 11, 1924. Serial No. 193,621.

"ALWAYS RIPE"

Particular description of goods.—Citrous Fruits in Their Natural State.
Claims use since Nov. 6, 1922.

186,207. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GIROUX COMPANY, New York, N. Y. Filed Mar. 6, 1924. Serial No. 193,331.

GIROUX

Particular description of goods.—Nonalcoholic, Maltless Flavoring Sirups for Beverages.
Claims use since 1908.

186,208. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SCOTCH OIL COMPANY, Madison, Wis. Filed Jan. 10, 1924. Serial No. 190,656.

SCOTCH

Particular description of goods.—Cleaning Oil and Floor Polish.
Claims use since 1914.

186,209. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo. Filed Dec. 27, 1923. Serial No. 190,176.

Phelan's

Particular description of goods.—House Paint, Concrete Paint, and Paint Colors.
Claims use since August, 1919.

186,210. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, Marinette, Wis.; Chicago, Ill.; and New York, N. Y. Filed May 28, 1923. Serial No. 181,294.

Marinette

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's, and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, Etc.
Claims use since Jan. 1, 1908.

186,211. (CLASS 15. OILS AND GREASES.) CHATTERSTOP LUBRICATING COMPANY, Des Moines, Iowa. Filed May 16, 1923. Serial No. 180,710.

CHATTERSTOP

Particular description of goods.—Transmission Greases and Lubricants for Motor Vehicles.
Claims use since Feb. 20, 1923.

186,212. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ABENDROTH BROTHERS, Port Chester, N. Y. Filed Apr. 25, 1923. Serial No. 179,638.

NEW YORK

Particular description of goods.—Coal Ranges and Gas Ranges.
Claims use since 1913.

186,213. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE BULLARD MACHINE TOOL CO., Bridgeport, Conn. Filed Jan. 5, 1923. Serial No. 174,193.

BULLARD

Particular description of goods.—Automobile Accessories—Namely, Bumpers and Shock Absorbers.
Claims use since Oct. 21, 1922.

186,214. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CONTINENTAL PISTON RING CO., Memphis, Tenn. Filed Nov. 26, 1920. Serial No. 140,163.

HI-SPEED

Particular description of goods.—Piston Rings.
Claims use since May, 1919.

186,215. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 11, 1924. Serial No. 195,336.

WORLD'S TAILORS TRIMMINGS BEST

Particular description of goods.—Buttons of Base Metal, Wood, and Bone; Skirt Belting, Seam and Skirt Binding, Silk and Mohair Braids; Buckles, Clasps, and Thimbles Used in the Tailoring Art and Not of Precious Metal; Buttonhole Gimp, Button Rings and Fasteners, Catch-On Clasps, Collarets, Dress Weights, Frogs and Loops, Chain Hangers, Silk Hangers, Hooks and Eyes, Silk Initials, Ivory Rims, Pins and Pin Cushions, Trouser Protectors, Shields, Snap Fasteners, Stilettos, and Stay Tapes.
Claims use since May 1, 1922.

186,216. (CLASS 37. PAPER AND STATIONERY.) S. E. & M. VERNON INC., New York, N. Y. Filed Apr. 1, 1924. Serial No. 194,828.

Royal Writing

Particular description of goods.—Paper for Use in the Manufacture of Blank Books.
Claims use since May 1, 1903.

186,217. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WELLS CORPORATION, Greenfield, Mass. Filed Mar. 3, 1924. Serial No, 193,202.

WELLS SPIRALTAP

Particular description of goods.—Spiral Fluted Taps, Spiral Fluted Tapper Taps, and Spiral Fluted Stay-Bolt Taps.
Claims use since on or about Feb. 1, 1923.

186,218. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WELLS CORPORATION, Greenfield, Mass. Filed Mar. 3, 1924. Serial No. 193,203.

SPIRALTAP

Particular description of goods.—Spiral Fluted Taps, Spiral Fluted Tapper Taps, and Spiral Fluted Stay-Bolt Taps.
Claims use since on or about Feb. 1, 1923.

186,219. (CLASS 37. PAPER AND STATIONERY.) EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Filed Feb. 1, 1924. Serial No. 191,606.

Eaton's DECKLE VELLUM

Particular description of goods.—Writing Paper, Pound Goods, and Envelopes.
Claims use since middle of August, 1922.

186,220. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SAFETY GLOBE & MANUFACTURING CO., Columbus, Ohio. Filed Sept. 10, 1923. Serial No. 185,622.

Sunshine

Particular description of goods.—Cleaner for Ivory or White-Enameled and Hardwood Furniture, Hardwood Floors and Finish, Enameled and Painted Woodwork and Walls, Pianos, Automobiles and All Varnished Surfaces, Linen Oil-Finished Window Shades, Rugs, Carpets, Tapestry and Upholstered Furniture and Auto Upholstering, Metal Ceilings and Walls, and Linoleum, Railway Coaches, Launches and Steamships, Marble and Tile Floors and Walls.
Claims use since May 1, 1923.

186,221. (CLASS 37. PAPER AND STATIONERY.) CASKIE-DILLARD COMPANY, INCORPORATED, Lynchburg, Va. Filed Sept. 6, 1923. Serial No. 185,362.

CAROLINA

Particular description of goods.—Writing and Printing Paper.
Claims use since April, 1923.

186,222. (CLASS 37. PAPER AND STATIONERY.) EVA HIMMELFARBE, doing business as Windsor Stationery Co., Long Island City, N. Y. Filed July 12, 1923. Serial No. 183,113.

WINDSOR

Particular description of goods.—Writing Paper and Envelopes.
Claims use since Apr. 28, 1923.

186,223. (CLASS 37. PAPER AND STATIONERY.) SOCIETE ANONYME "CRAYONS CONTE," Regny (Loire), and Paris, France. Filed June 7, 1923. Serial No. 183,649.

Alaska

Particular description of goods.—Crayons, Crayon Holders, Pencils, Penholders, and Pens.
Claims use since the year 1898.

186,224. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN T. BARTLEY, doing business as John T. Bartley & Co., Beaver Falls, Pa. Filed Apr. 29, 1924. Serial No. 196,286.

PERFECTION PAINT CLEANER

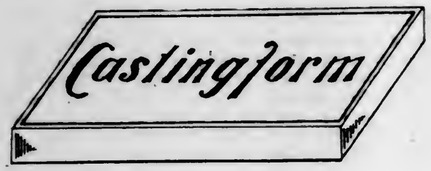
Particular description of goods.—Paint Cleaner.
Claims use since Oct. 20, 1913.

186,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL MILLS, Fort Worth, Tex. Filed Apr. 28, 1924. Serial No. 196,278.

SUPERIOR

Particular description of goods.—Feed for Chickens, Pigeons, Horses, Cattle, and Pigs.
Claims use since July, 1920.

186,226. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIGMUND SACHS, New York, N. Y. Filed Apr. 21, 1924. Serial No. 195,914.



Particular description of goods.—Moulds and Dies.
Claims use since June 1, 1922.

186,227. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHN R. SIEBRANDT, doing business as J. R. Siebrandt Manufacturing Co., Kansas City, Mo. Filed Apr. 14, 1924. Serial No. 195,548.

Eveready

Particular description of goods. Buck's Extension, Suspension Frame (Balkan Frame), and Splint.
Claims use since about October, 1916.

186,228. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GARDEN CITY FAN COMPANY, Chicago, Ill. Filed Apr. 14, 1924. Serial No. 195,510.

Cycloidal

Particular description of goods.—Centrifugal Fans.
Claims use since June, 1907.

186,229. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed Apr. 4, 1924. Serial No. 195,034.

PANAMA CREPE

Particular description of goods.—Silk Piece Goods.
Claims use since about Mar. 1, 1923.

186,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATTON BROS. DRUG CO., Catlettsburg, Ky. Filed Apr. 1, 1924. Serial No. 194,814.

Old Reliable

Particular description of goods.—A Compound for Treating the Bladder and Kidneys.
Claims use since Jan. 1, 1922.

186,231. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADOLPH GOLDMARK & SONS, CORP., New York, N. Y. Filed Dec. 14, 1923. Serial No. 189,670.

COOKWELL

Particular description of goods.—Beans in Bulk.
Claims use since Dec. 15, 1922.

186,232. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Jan. 2, 1924. Serial No. 190,354.

Almond Coco-Cream

Particular description of goods.—Soap.
Claims use since May 23, 1922.

186,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC J. EPSTEIN, doing business as the Epstein Pharmacal Co., San Francisco, Calif. Filed Feb. 2, 1924. Serial No. 191,677.

DISTRIBUTED BY
Epstein Pharmacal Co
INCORPORATED
Manufacturing Chemists
San Francisco U.S.A.

Particular description of goods.—Aspirin Tablets, Headache Remedies, Antiseptic Solution, Blood Purifier, Asthma Remedy, Belladonna Plasters, Borated Bay Spirits, Bronchial Troches, Cod-Liver Oil, Carbolic Salve, Cold Capsules, Corn Salve, Castor Oil, Cough Syrup, Catarrh Remedy, Dyspepsia Tablets, Douche Powder, Eye Wash, Foot Powder, Insecticide, Kidney and Backache Plasters, Milk of Magnesia, Poison-Oak Remedy, Peroxide, Toothache Drops, Tooth Powder, and Tooth Paste.
Claims use since January, 1923.

186,234. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Bozeman, Mont. Filed Feb. 12, 1924. Serial No. 192,170.

PEAS
THAT
PLEASE

Particular description of goods.—Canned Peas.
Claims use since November, 1922.

186,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CEREAL PRODUCTS REFINING CORPORATION, San Francisco, Calif. Filed Feb. 27, 1924. Serial No. 192,896.

PEERLESS

Particular description of goods.—Malt Extract for Use in Bread Making.
Claims use since May 1, 1923.

186,236. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT R. PAGE, New York, N. Y. Filed Mar. 5, 1924. Serial No. 193,306.

PAGE DIVIDER

Particular description of goods.—Ink-Fountain Spacers for Printing Presses.
Claims use since 1908.

186,237. (CLASS 7. CORDAGE.) MORICE JUTE MILLS, Philadelphia, Pa. Filed Mar. 13, 1924. Serial No. 193,722.

STRONG HOLD

Particular description of goods.—Tube Cord, Box and Wrapping Twine, and Bale Rope.
Claims use since January, 1916.

186,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924. Serial No. 193,822.

SPLENDID

Particular description of goods.—Coffee.
Claims use since on or about Dec. 1, 1902.

186,239. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMERICAN RUBBING STONE COMPANY, Cincinnati, Ohio. Filed Mar. 21, 1924. Serial No. 194,151.

PERRETTE'S
AMERICAN

Particular description of goods.—Rubbing Stone and Rubbing-Stone Powder.
Claims use since March, 1916.

186,240. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Filed Nov. 10, 1923. Serial No. 188,218.

BADIN

Particular description of goods.—Air-Speed Indicators, Pressure Gauges, Inclinometers, Turn Indicators, Bank Indicators, Flight Indicators, and Fuel Gauges.
Claims use since Sept. 29, 1920.

186,241. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THOMAS R. BROWNE, Stockton, Calif. Filed Mar. 21, 1924. Serial No. 194,160.

FRESNO

Particular description of goods.—Dust and Liquid Spraying Machines.
Claims use since June 1, 1913.

186,242. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 21, 1923. Serial No. 186,037.

SUPERSTRENGTH

Particular description of goods.—Nonferrous Metals and Nonferrous-Metal Castings and Forgings.
Claims use since Jan. 1, 1921.

186,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOD RIVER APPLE VINEGAR CO., Hood River, Oreg. Filed July 14, 1923. Serial No. 183,212.

HOOD RIVER

Particular description of goods.—Concentrated Fruit Pectin.
Claims use since May 11, 1923.

186,244. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN CALIFORNIA FISH CORPORATION, East San Pedro, Calif. Filed June 30, 1923. Serial No. 182,681.

ITALY

Particular description of goods.—Canned Tunny Fish.
Claims use since May 1, 1923.

186,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOLYEC LABORATORIES, Chicago, Ill. Filed June 9, 1923. Serial No. 181,768.

NOLYEC MOSS

Particular description of goods.—Emulsion Used in Treating Constipation.
Claims use since May 10, 1923.

186,246. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, also doing business as The Oconto Mills, Chicago, Ill., and New York, N. Y. Filed May 28, 1923. Serial No. 181,297.

Oconto
Knitted Wear for Those Who Know

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's, and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, and Suits, Coats, Sweaters and Sweater Coats, Vests, Tights, Bloomers, Petticoats, Bed Sacks, and Dressing Robes, Knickers and Knickerbockers, Scarfs, Ties, Muffs, Mufflers, and Sashes, Socks and Stockings, Caps, Hats, and Tam-O'-Shanters, Wristbands, Fabric Gloves and Mittens, and Fabric and Combination House Slippers, Leggings, Bootees, and Knitted Outfits.
Claims use since Jan. 1, 1923.

186,247. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, also doing business as The Oconto Mills, Chicago, Ill., and New York, N. Y. Filed May 28, 1923. Serial No. 181,296.

Oconto

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's, and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, and Suits, Coats, Sweaters and Sweater Coats, Vests, Tights, Bloomers, Petticoats, Bed Sacks, and Dressing Robes, Knickers and Knickerbockers, Scarfs, Ties, Muffs, Mufflers, and Sashes, Socks and Stockings, Caps, Hats, and Tam-O'-Shanters, Wristbands, Fabric Gloves and Mittens, and Fabric and Combination House Slippers, Leggings, Bootees, and Knitted Outfits.
Claims use since July 1, 1918, upon knitted sweaters and sweater coats; since Jan. 1, 1923, upon all the other articles of wearing apparel above recited.

186,248. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, Chicago, Ill., and New York, N. Y. Filed May 28, 1923. Serial No. 181,295.

The Aristocrat of Knitted Wear

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's, and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, and Suits, Coats, Sweaters, and Sweater Coats, Vests, Tights, Bloomers, Petticoats, Bed Sacks, and Dressing Robes, Knickers and Knickerbockers, Scarfs, Ties, Muffs, Mufflers, and Sashes, Socks and Stockings, Caps, Hats, and Tam-O'-Shanters, Wristbands, Fabric Gloves and Mittens, and Fabric and Combination House Slippers, Leggings, Bootees, and Knitted Outfits.
Claims use since Jan. 1, 1923.

186,249. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, Marinette, Wis. Filed May 28, 1923. Serial No. 181,293.

Marinette
The Aristocrat of knitted Wear

Particular description of goods.—Wearing Apparel—Namely, Vests, Suits, Coats, Scarfs, Knickers, Sweaters, Ties, Socks, Caps, Wristbands, Dressing Robes, Fabric and Combination Bed Slippers, Fabric Gloves, Fabric Mittens, and Stockings, for Men and Boys; Sweaters, Coats, Mufflers, Suits, Skirts, Dresses, Knickerbockers, Scarfs, Hats, Tam-O'-Shanters, Caps, Capes, Muffs, Stockings, Fabric Gloves, Fabric and Combination Slippers, Vests, Bed Sacks, Bloomers, Sashes, Ties, Fabric Mittens, Leggings, Tights, Dressing Robes, and Petticoats, for Ladies and Misses; and Socks, Outfits, Caps, Dresses, Suits, Capes, Coats, Bloomers, Leggings, Fabric Gloves, Bootees, Fabric Mittens, Stockings, and Petticoats, for Children and Juveniles.
Claims use since Jan. 1, 1923.

186,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG-BIRGE COMPANY, doing business as Kellogg Manufacturing Company, Keokuk, Iowa. Filed Apr. 17, 1923. Serial No. 179,274.

SUGAR SPREAD

Particular description of goods.—Icing for Cakes.
Claims use since March, 1922.

186,251. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BOYE & EMMES MACHINE TOOL CO., Cincinnati, Ohio. Filed Apr. 7, 1923. Serial No. 178,707.

CONELESS

Particular description of goods.—Lathes.
Claims use since on or about Dec. 7, 1921.

186,252. (CLASS 39. CLOTHING.) F. VICTOR EKHOLM, St. Paul, Minn. Filed Dec. 27, 1922. Serial No. 173,884.

FINE ART FURS

Particular description of goods.—Fur Wraps, Coats, Chokers, Scarfs, Stoles, and Muffs.
Claims use since about 1912.

186,253. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CATRON & SHERMAN, Sulphur Springs, Fla. Filed Aug. 2, 1922. Serial No. 167,711.

TOB-O-GAN

Particular description of goods.—Water Toboggans.
Claims use since July 1, 1922.

186,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. MCDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed Aug. 1, 1922. Serial No. 167,682.

a package a day keeps fatigue away

Particular description of goods.—Chocolate and Candy.
Claims use since June 15, 1922.

186,255. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DURABLE DEVICES MFG. CO., Columbus, Ohio. Filed Mar. 27, 1922. Serial No. 161,304.

FITS
-M-
ALL

Particular description of goods.—Cigar and Cigarette Holders.
Claims use since Mar. 1, 1922.

TRADE-MARK REGISTRATIONS RENEWED

25,428. BOOKS, PAMPHLETS, NEWSPAPERS, AND OTHER PUBLICATIONS. Registered November 6, 1894. THE COLLIERY ENGINEER CO. Renewed November 6, 1924, to International Textbook Company, Scranton, Pa., successors.

25,489. MECHANICAL RUBBER GOODS. Registered November 13, 1894. REVERE RUBBER CO. Renewed November 13, 1924, to Revere Rubber Company, Boston, Mass., a Corporation of Rhode Island, assignee.

25,490. MECHANICAL RUBBER GOODS. Registered November 13, 1894. REVERE RUBBER CO. Renewed November 13, 1924, to Revere Rubber Company, Boston, Mass., a Corporation of Rhode Island, assignee.

LABELS

REGISTERED JULY 1, 1924.

27,511.—*Title:* ARIANA. For Citrous Fruits. AUBURNDALE CITRUS GROWERS ASSOCIATION, Auburndale, Fla. Published May 1, 1924.

27,512.—*Title:* BLUE STAR. For Chewing Gum. BLUINE MANUFACTURING COMPANY, Concord Junction, Mass. Published May 5, 1924.

27,513.—*Title:* BOB'S PE KONS. For Candy. BOB'S CANDY CO., Albany, Ga. Published May 1, 1924.

27,514.—*Title:* SOUTHLAND. For Fresh Tomatoes. CHEROKEE COUNTY FARM LABOR UNION, Jacksonville, Tex. Published April 14, 1924.

27,515.—*Title:* CROSSAN'S R. S. C. For a Medicinal Preparation for Rheumatism, Stomach Trouble, Catarrh, Cough, and Cold. GEORGE W. CROSSAN, Excelsior Springs, Mo. Published May 6, 1924.

27,516.—*Title:* JACK'S PORK RIND MINNOW. For Fishing Bait. J. R. CUNNINGHAM, Kansas City, Mo. Published April 11, 1924.

27,517.—*Title:* LYMAN'S FAMOUS WOLF BRAND CHILI MADE OF CHOICE BEEF. For Chili of Beef. LYMAN T. DAVIS, Corsicana, Tex. Published April 22, 1924.

27,518.—*Title:* PURITY. For Coffee. FREY-WEAVER CO., Lancaster, Pa. Published December 20, 1923.

27,519.—*Title:* COLONIAL STYLE. For Canned Pork and Beans. THE GODDARD GROCER COMPANY, St. Louis, Mo. Published May 1, 1924.

27,520.—*Title:* PYORRHEA REMEDY. For a Liquid for a Mouth Wash. HARRY G. MARTIN, Los Angeles, Calif. Published January 18, 1924.

27,521.—*Title:* COTTAGE CREAMERY EGGS. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Cottage Creamery Company, Cleveland, Ohio. Published April 20, 1924.

27,522.—*Title:* NIP-O-TEA. For Teas. NIP-O-PRODUCTS CO., New York, N. Y. Published January 4, 1924.

27,523.—*Title:* ALUMINUM WARE QUICK COOK OATS. For Rolled Oats. NORTHERN ILLINOIS CEREAL COMPANY, Chicago, Ill. Published May 5, 1924.

27,524.—*Title:* COLUMBIA CREST BRITTLE. For Candy Boxes. RANIER NATIONAL PARK COMPANY, Tacoma, Wash. Published April 1, 1924.

27,525.—*Title:* MORNING SIP. For Roasted Coffee. ALEX. SHEPPARD AND SONS, INC., Philadelphia, Pa. Published November 7, 1923.

27,526.—*Title:* SORMACO. For Coffee. SORVER, MCEVOY & Co., Philadelphia, Pa. Published December 10, 1923.

27,527.—*Title:* SUNSHINE POTATO CHIPS. For Containers for Potato Chips. SUNSHINE POTATO CHIP CO., Jacksonville, Fla. Published April 29, 1924.

27,528.—*Title:* TOWNSEND SPECIAL. For Cucumbers. E. W. TOWNSEND, doing business under the name of E. W. Townsend & Sons, Salisbury, Md. Published May 1, 1924.

PRINTS

REGISTERED JULY 1, 1924.

7,453.—*Title:* TWIN CHAPTERS SILK LAMP SHADES. For Lamp Shades. AMERICAN ART NEEDLE WORKS, Cicero, Ill. Published March 20, 1924.

7,454.—*Title:* IT'S RIPE TOBACCO. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published March 15, 1924.

7,455.—*Title:* ORNAMENTAL IRON & STEEL CONSTRUCTION. For Fabricated Iron and Steel for Building Purposes. C. E. HALBACK & CO., INCORPORATED, Brooklyn, N. Y. Published August 23, 1920.

7,456.—*Title:* LLOYD LOOM PRODUCTS. For Baby Carriages and Furniture. HEYWOOD-WAKEFIELD COMPANY, Boston, Mass. Published April 2, 1922.

7,457.—*Title:* GERMAN NATIONAL FARM WEEKLIES. For Publications. THE NORTH AMERICAN PRESS, Milwaukee, Wis. Published April 1, 1922.

7,458.—*Title:* UNGUENTINE FOR SUNBURN. For a Medicinal Preparation for the Relief of Sunburn and Other Skin Irritations. THE NORWICH PHARMACAL CO., Norwich, N. Y. Published May 1, 1924.

7,459.—*Title:* SABIN TANK-IN-BASEMENT HOT WATER HEATING SYSTEM. For a Hot-Water Heating System. EDWARD R. SABIN COMPANY, Philadelphia, Pa. Published May 13, 1924.

7,460.—*Title:* THE SECRET OF SLIMNESS REVEALED. For a Weight-Reducing Bath Preparation. THE SAN-I-SAL LABORATORIES, INC., Washington, D. C. Published January 18, 1924.

7,461.—*Title:* HEALTHFUL — DEPENDABLE — ECONOMICAL. For Flour. SOFT WHEAT MILLERS' ASSOCIATIONS, Nashville, Tenn. Published July 18, 1923.

REISSUES

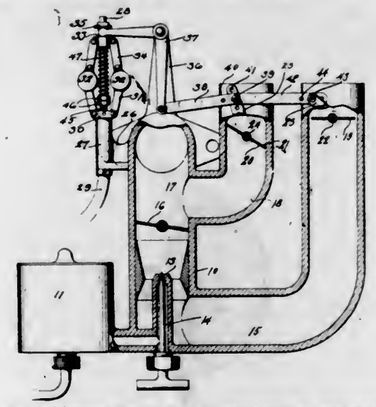
JULY 1, 1924.

15,868. HOSE SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 2, 1923. Serial No. 649,174. Original No. 1,432,693, dated Oct. 17, 1922, Serial No. 538,936, filed Feb. 24, 1922. 9 Claims. (Cl. 24—245.)



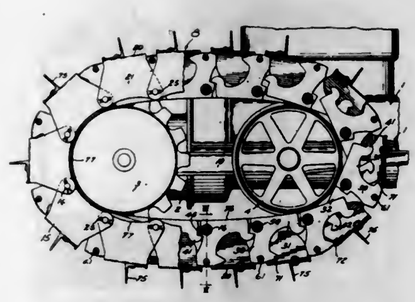
5. In a hose supporter the combination of a rubber collet having an oval head and a segmental shank the head of said collet having a groove on its front surface parallel with the straight face of the shank to provide a lower thin wall of rubber readily yieldable toward the groove under excessive strain on the fabric, a base plate and means for securing said collet to the base plate.

15,869. CARBURETOR. EDWARD G. HODGES, Milwaukee, Wis. Filed Oct. 12, 1921. Serial No. 507,362. Original No. 1,330,024, dated Feb. 3, 1920, Serial No. 243,192, filed July 3, 1918. 9 Claims. (Cl. 123—124.)



1. A carburetor for internal combustion engines, comprising a mixing chamber, two air conduits communicating with said chamber, operatively connected valves in said conduits, means for moving said valves toward open position as the engine speed increases and toward closed position as the engine speed decreases, a throttle valve, and fuel supply means in said chamber, said throttle valve and fuel supply means being positioned intermediate the points of communication of said conduits with the mixing chamber.

15,870. TRACTOR. HUGO F. SCHMIDT, Milwaukee, Wis. Filed Dec. 2, 1921. Serial No. 519,517. Original No. 1,356,743, dated Oct. 26, 1920, Serial No. 214,413, filed Jan. 29, 1918. 18 Claims. (Cl. 305—10.)



1. A drive chain for tractors comprising an endless series of hollow links, fastened together by pivots, the pivots also carrying rail pieces, or blocks, within the links.

DESIGNS

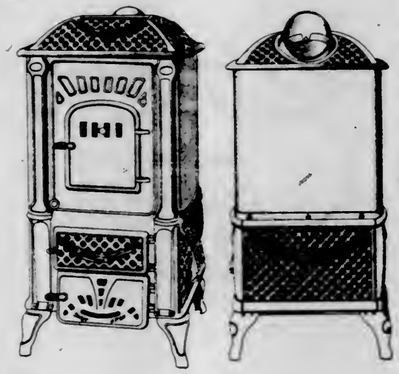
JULY 1, 1924.

65,041. TUMBLER OR SIMILAR ARTICLE. EDWIN B. ADAMS, Marion, Ind., assignor to D. C. Jenkins Glass Company, Kokomo, Ind., a Corporation. Filed Feb. 4, 1924. Serial No. 8,531. Term of patent 3½ years.



The ornamental design for a tumbler or similar article as shown.

65,042. STOVE. WILL F. ALLEN, Nashville, Tenn. Filed Apr. 24, 1924. Serial No. 9,386. Term of patent 7 years.



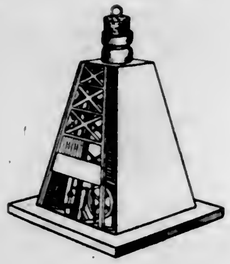
The ornamental design for a stove, as shown.

65,043. GROUP STATUETTE. JACOB ALTMAN, Los Angeles, Calif., assignor to J. W. Schultz, Los Angeles, Calif. Filed Apr. 17, 1923. Serial No. 5,842. Term of patent 14 years.



The ornamental design for a group statuette, as shown.

65,044. OIL CONTAINER. LEWIS A. AMIS, Muskogee, Okla. Filed Feb. 2, 1923. Serial No. 5,056. Term of patent 3½ years.



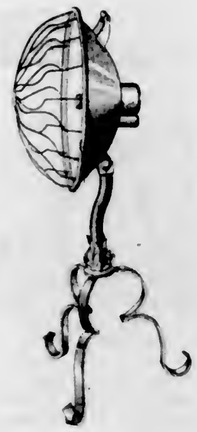
The ornamental design for an oil container as shown.

65,045. COMBINED ELECTRIC-HEATER CASING AND STANDARD. WILFRED BARNES, Forest Park, Ill., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 4,706. Term of patent 14 years.



The ornamental design for a combined electric heater casing and standard substantially as shown.

65,046. COMBINED ELECTRIC-HEATER CASING AND STANDARD. WILFRED BARNES, Forest Park, Ill., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 4,707. Term of patent 14 years.



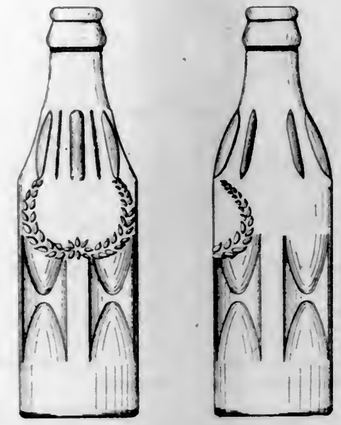
The ornamental design for a combined electric heater casing and standard substantially as shown.

65,047. COMBINED ELECTRIC-HEATER CASING AND STANDARD. WILFRED BARNES, Forest Park, Ill., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 4,708. Term of patent 14 years.



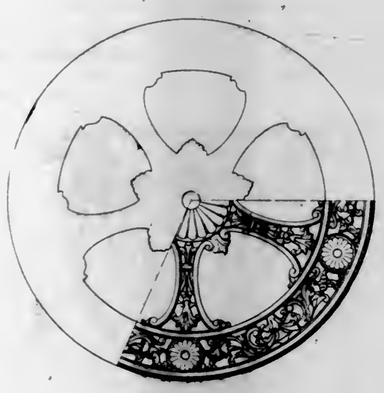
The ornamental design for a combined electric heater casing and standard substantially as shown.

65,048. BOTTLE. SAMUEL BLACKMAN, Philadelphia, Pa. Filed Aug. 7, 1922. Serial No. 3,307. Term of patent 3½ years.



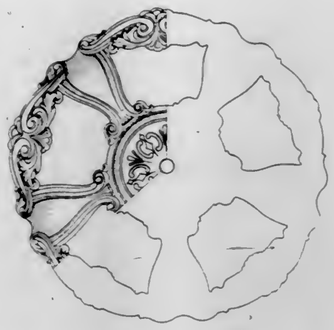
The ornamental design of a bottle.

65,049. RING FOR LIGHTING FIXTURES. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed Apr. 26, 1924. Serial No. 9,413. Term of patent 3½ years.



The ornamental design for a ring for lighting fixtures substantially as shown and described.

65,050. RING FOR LIGHTING FIXTURES. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed May 7, 1924. Serial No. 9,510. Term of patent 3½ years.



The ornamental design for a ring for lighting fixtures substantially as shown and described.

65,051. ARM FOR LIGHTING FIXTURES. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed May 7, 1924. Serial No. 9,511. Term of patent 3½ years.



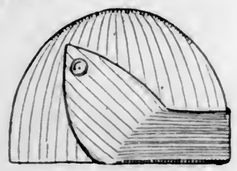
The ornamental design for an arm for lighting fixtures substantially as shown.

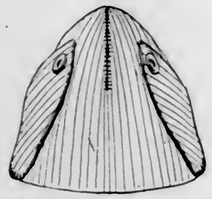
65,052. TROPHY CUP. WILLIAM CODMAN, Providence, R. I. Filed May 16, 1924. Serial No. 9,630. Term of patent 14 years.



The ornamental design for a trophy cup, as shown.

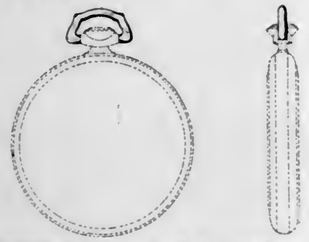
65,053. KNITTED CAP. ALFRED COHN, Milwaukee, Wis. Filed Jan. 2, 1923. Serial No. 4,799. Term of patent 3½ years.





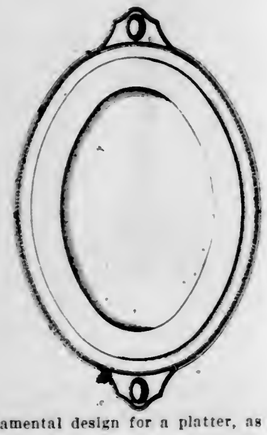
The ornamental design for a knitted cap, as shown.

65,054. WATCHCASE BOW. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,579. Term of patent 14 years.



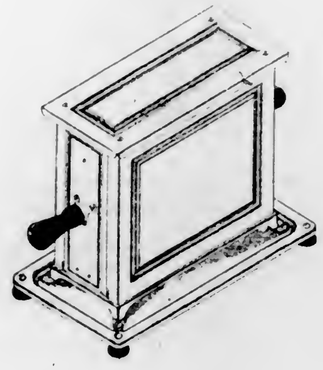
The ornamental design for a watchcase bow, substantially as shown.

65,055. PLATTER. FREDERICK J. CROSS, Rochester, N. Y., assignor to Robeson-Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Apr. 11, 1924. Serial No. 9,231. Term of patent 14 years.



The ornamental design for a platter, as shown.

65,056. ELECTRIC TOASTER OR SIMILAR ARTICLE. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Oct. 16, 1923. Serial No. 7,515. Term of patent 14 years.



The ornamental design for an electric toaster or similar article as shown.

65,057. LACE. MARC H. DAUDY, Philadelphia, Pa., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 14, 1924. Serial No. 9,584. Term of patent 3½ years.



The ornamental design for lace, substantially as shown.

65,058. BOTTLE. ALBERT W. DOERR, Vineland, N. J. Filed May 9, 1924. Serial No. 9,532. Term of patent 3½ years.



The ornamental design for a bottle, as shown.

65,059. BASSINET OR CRIB. ABRAHAM G. FELDMAN, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 9,341. Term of patent 7 years.



The ornamental design for a bassinet or crib, as shown.

65,060. STATUETTE. CARROLL C. JOHNSON, Hickman Mills, Mo. Filed Apr. 23, 1924. Serial No. 9,360. Term of patent 3½ years.



The ornamental design for a statuette, as shown.

65,061. RADIATOR-CAP ORNAMENT. CHARLES WILLIAM KAUFFMAN, Kansas City, Mo. Filed Nov. 19, 1923. Serial No. 7,843. Term of patent 3½ years.



The ornamental design for a radiator cap ornament, as shown.

65,062. BOWL OR SIMILAR ARTICLE. JOHN R. KELLER, Glenshaw, Pa. Filed Apr. 22, 1924. Serial No. 9,353. Term of patent 7 years.



The ornamental design for a bowl or similar article substantially as shown.

65,063. DOLL. KITTIE M. KIRK, Minneapolis, Minn. Filed June 19, 1923. Serial No. 6,536. Term of patent 3½ years.



The ornamental design for a doll, as shown.

65,064. CANDLESTICK. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,398. Term of patent 7 years.



The ornamental design for a candle stick, as shown.

65,065. LIGHTING-FIXTURE BRACKET. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,417. Term of patent 7 years.



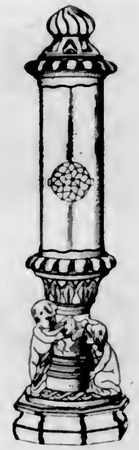
The ornamental design for a lighting fixture bracket, as shown.

65,066. DINING-ROOM LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 18, 1924. Serial No. 9,314. Term of patent 3½ years.



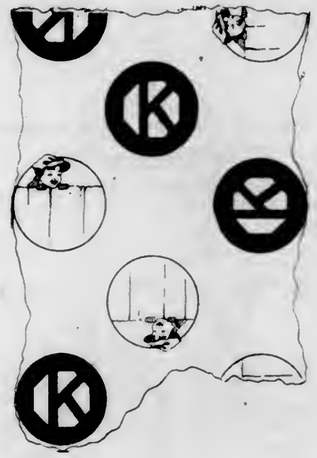
The ornamental design for a dining-room lighting fixture, as shown.

65,067. DISPLAY STAND. BERT V. KOCH, St. Paul, Minn. Filed June 30, 1923. Serial No. 6,629. Term of patent 7 years.



The ornamental design for a display stand, substantially as shown.

65,068. WRAPPING PAPER. GEORGE O. KOLB, West Hartford, Conn., assignor to General Baking Company, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1922. Serial No. 227. Term of patent 3½ years.



The ornamental design for wrapping paper shown in the accompanying drawing.

65,069. PILE FABRIC. CLARENCE V. KOZLAY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed May 15, 1924. Serial No. 9,601. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

65,070. MORTUARY CANDLE. EVELYN L. KUHN, Brooklyn, N. Y., assignor to The White Tar Company, New York, N. Y., a Corporation of New York. Filed Sept. 10, 1923. Serial No. 7,163. Term of patent 14 years.



The ornamental design for a mortuary candle, substantially as shown and described.

65,071. MORTUARY CANDLE. EVELYN L. KUHN, Brooklyn, N. Y., assignor to The White Tar Company, New York, N. Y., a Corporation of New York. Filed Sept. 10, 1923. Serial No. 7,164. Term of patent 14 years.



The ornamental design for a mortuary candle, substantially as shown and described.

65,072. SPOON OR SIMILAR ARTICLE. JOHN LEECH, Bridgeport, Conn., assignor to International Silver Company, Bridgeport, Conn., a Corporation of New Jersey. Filed Feb. 20, 1923. Serial No. 5,222. Term of patent 7 years.



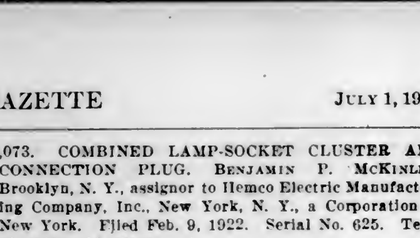
The ornamental design for a spoon or similar article substantially as shown.

65,073. COMBINED LAMP-SOCKET CLUSTER AND CONNECTION PLUG. BENJAMIN P. MCKINLEY, Brooklyn, N. Y., assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 9, 1922. Serial No. 625. Term of patent 14 years.



The ornamental design for a combined lamp socket cluster and connection plug, as shown.

65,074. DOLL. REBEKAH D. MILLER, New York, N. Y. Filed May 6, 1924. Serial No. 9,506. Term of patent 14 years.



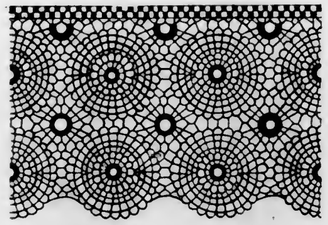
The ornamental design for a doll, as shown.

65,075. DOLL. REBEKAH D. MILLER, New York, N. Y. Filed May 6, 1924. Serial No. 9,507. Term of patent 14 years.



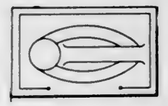
The ornamental design for a doll, as shown.

65,076. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 6, 1924. Serial No. 8,850. Term of patent 14 years.



The ornamental design for lace substantially as shown.

65,077. POSTMARK STAMP. ARTHUR H. PITNEY, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed May 8, 1924. Serial No. 9,525. Term of patent 14 years.



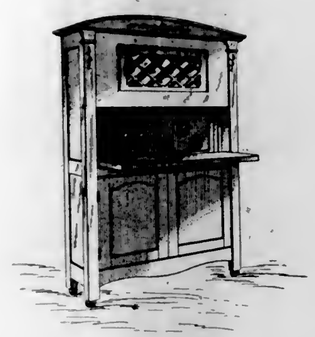
The ornamental design for postmark stamp substantially as shown.

65,078. INDIVIDUAL COFFEE MAKER. ERNEST M. PRESSLEY, Kansas City, Mo. Filed July 27, 1922. Serial No. 3,215. Term of patent 14 years.



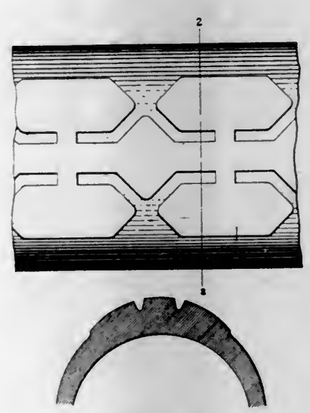
The ornamental design for an individual coffee maker, as shown.

65,079. RADIO CABINET. ALBERT O. PRICE, Cosbocton, Ohio. Filed May 6, 1924. Serial No. 9,491. Term of patent 14 years.



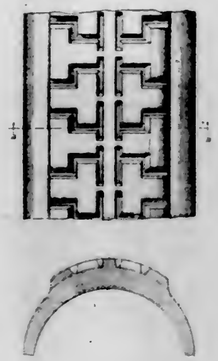
The ornamental design for a radio cabinet as shown.

65,080. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio. Filed Feb. 8, 1922. Serial No. 605. Term of patent 14 years.



The ornamental design for a tire tread as shown.

65,081. PNEUMATIC TIRE. SAMUEL B. ROBERTSON, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1922. Serial No. 4,580. Term of patent 14 years.



The ornamental design for a pneumatic tire as shown.

65,082. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1923. Serial No. 7,007. Term of patent 14 years.



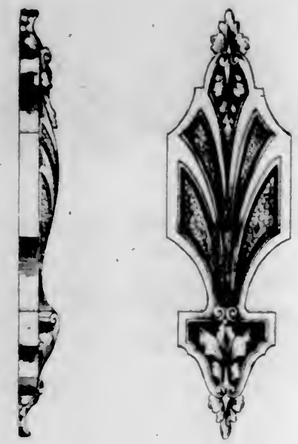
The ornamental design for paper as shown and described.

65,083. BADGE OR SIMILAR ARTICLE. JOHN R. VOORHIS, New York, N. Y., assignor to The Society of Tammany or Columbian Order, New York, N. Y., a Corporation of New York. Filed May 7, 1924. Serial No. 9,519. Term of patent 14 years.



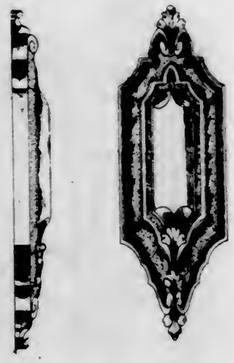
The ornamental design for a badge or similar article, as shown.

65,084. BRACKET BACKPLATE FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,537. Term of patent 7 years.



The ornamental design for a bracket backplate for lighting fixtures, as shown.

65,085. BRACKET BACKPLATE FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,538. Term of patent 7 years.



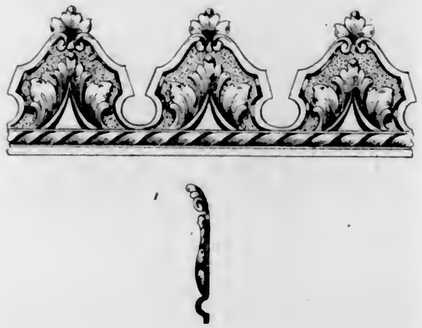
The ornamental design for a bracket backplate for lighting fixtures as shown.

65,086. BRACKET BACKPLATE FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,539. Term of patent 7 years.



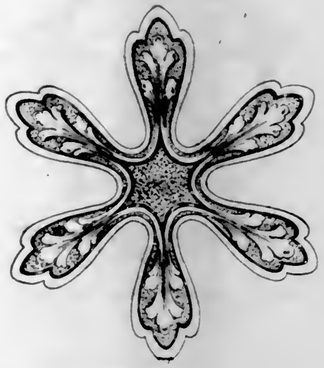
The ornamental design for a bracket backplate for lighting fixtures, as shown.

65,087. BANDING FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,540. Term of patent 7 years.



The ornamental design for banding for lighting fixtures, as shown.

65,088. HUSK ROSETTE FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,541. Term of patent 7 years.



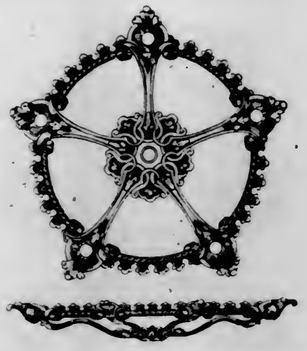
The ornamental design for a husk rosette for lighting fixtures, as shown.

65,089. ARM FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,542. Term of patent 7 years.



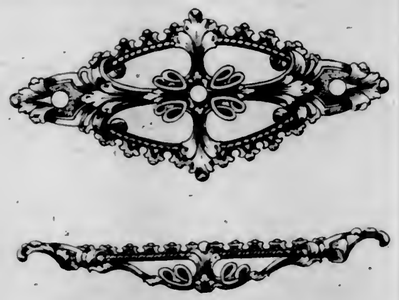
The ornamental design for an arm for lighting fixtures, as show...

65,090. BODY FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,543. Term of patent 7 years.



The ornamental design for a body for lighting fixtures, as shown.

65,091. BODY FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., a Copartnership composed of William Goldberg and Abe Goldberg, Newark, N. J. Filed May 9, 1924. Serial No. 9,544. Term of patent 7 years.



The ornamental design for a body for lighting fixtures, as shown.

65,092. LINGERIE CLASP. FRANK E. WILSON, East Cleveland, Ohio, assignor to The Wilson Fastener Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 29, 1923. Serial No. 8,190½. Term of patent 14 years.



The ornamental design for a lingerie clasp, substantially as shown.

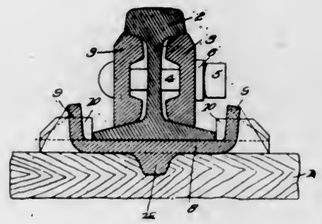
65,093. RADIO LOUD SPEAKER. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora, Inc., a Corporation of New York. Filed Apr. 12, 1924. Serial No. 9,237. Term of patent 7 years.

The ornamental design for a radio loud speaker, substantially as shown and described.

PATENTS

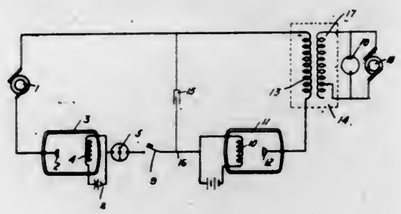
GRANTED JULY 1, 1924.

1,499,324. BASE PLATE FOR RAIL JOINTS. FRANKLIN E. ABBOTT, Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company of New York, Inc., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,427. 1 Claim. (Cl. 238—210.)



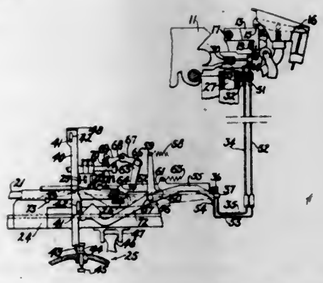
The combination in a rail joint of the two rails having their ends arranged adjacent and splice-bars secured to said two rail ends and a rail joint plate positioned beneath the meeting rail ends, said plate being provided with upturned marginal side flanges and a centrally longitudinally extending reinforcing rib depending from its under surface directly beneath the rail web and of a length corresponding to the normal spacing between ties and said plate being provided at its ends with bearing portions adapted to rest upon supporting ties, and provided at its extremities with upturned aligning lugs adapted to engage the opposite sides of the rail flanges, and each of said splice-bars being formed to be nonprojecting beyond the outer marginal edges of the rail flange in position of non-engagement with the aligning lugs, substantially as described.

1,499,325. MEASURING SYSTEM. CHESTER T. ALLCUTT, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 1, 1917. Serial No. 189,346. 3 Claims. (Cl. 175—183.)



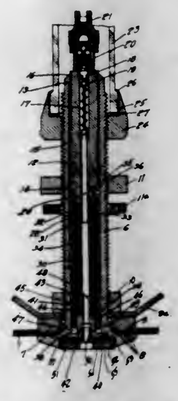
3. A measuring system comprising two sources of alternating voltage, means for changing said alternating voltages to unidirectional voltage, said means having the unidirectional sides thereof connected together and the alternating-voltage sides thereof connected to said sources, a condenser connected at one terminal between said means and at the other terminal between said sources, and indicating means disposed between said means.

1,499,326. COMBINED TYPEWRITING AND COMPUTING MACHINE. LOUIS L. ANSART, New York, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1921. Serial No. 520,799. 16 Claims. (Cl. 235—60.)



10. In combination, a traveling carriage, computing mechanism normally set for addition and including means for indexing numbers and a general operator for effecting computation of numbers so indexed, carriage-actuated means for determining computing zones, subtraction-setting means, and means, actuable by backing the carriage into a subtraction zone, to set the machine for subtraction, if set for addition.

1,499,327. PRESSURE GAUGE FOR TIRES. ALFRED BADOWSKI, Charleston, W. Va., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Oct. 29, 1920. Serial No. 420,511. 4 Claims. (Cl. 152—11.5.)



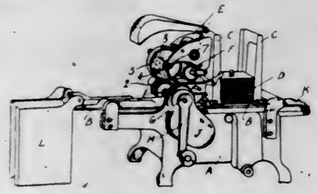
1. In a pressure gauge for tires, the combination of a stem sleeve having a head at its inner end in which there is a socket extending from the inner face; a plunger in the sleeve; an inflation valve in the plunger; a rubber tube secured to the plunger; a spring secured to the plunger; an anchor plate in the socket; and means for securing the tube and spring to the plate, the assembled plunger, tube, spring and plate being adapted to be inserted from the inner end of the stem sleeve.

1,499,328. PRESSURE GAUGE FOR TIRES. ALFRED BADOWSKI, Charleston, W. Va., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Jan. 22, 1921. Serial No. 439,065. 1 Claim. (Cl. 152—12.)



In a pressure gauge for tires, the combination with a tire stem of a plunger in the stem indicating by its position the pressure in the tire; a spring secured to the inner end of the plunger; a rubber tube secured to the inner end of the plunger; and a head on the inner end of the stem, the stem and head having aligned openings, of an anchor piece insertable into the inner end of the openings and forming a closure for said openings, said anchor piece having a nipple for securing the tube and a shoulder for securing the inner end of the spring.

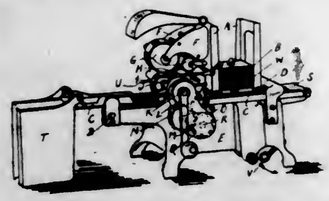
1,499,329. INKING DEVICE OR ATTACHMENT MORE PARTICULARLY FOR USE WITH ADDRESSING MACHINES. LOUIS MAURICE BARMAN, London, England, assignor to Roneo Limited, London, England, a British Company. Filed Aug. 21, 1922. Serial No. 583,420. 1 Claim. (Cl. 101—348.)



Means for obtaining an even film of ink for printing addresses comprising a set of distributing rollers carried in arms or brackets depending from a side standard, a pinion mounted upon the foremost distributing roller shaft engaging an idle wheel secured to one of the arms or brackets, a skew disc operable with said idle wheel, an intermediate distributing roller having its shaft resting in open bearings in the arms or brackets, and a collar upon which said shaft grooved for the reception of the face of the skew disc so that an oscillating movement may be transmitted to the intermediate distributing roller.

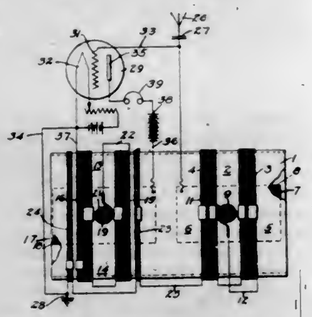
1,499,330. ADDRESSING MACHINE OR LIKE PRINTING MACHINE. LOUIS MAURICE BARMAN, London, England, assignor to Roneo Limited, London, England, a British Company. Filed Aug. 21, 1922. Serial No. 583,423. 7 Claims. (Cl. 101—49.)

1. The combination with an addressing or like printing machine having means to print an impression from a stencil card or the like, of means to engage a stencil and return it for repeated printing operations, comprising a member projecting into the path of movement of



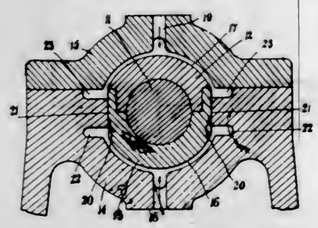
said stencil and means connected with said member to cause said member and stencil to be returned to initial position.

1,499,331. WIRELESS RECEIVING CIRCUIT. MAX C. BATSEL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 11, 1922. Serial No. 606,029. 14 Claims. (Cl. 250—20.)



3. An evacuated electric device having input and output circuits, variable inductors individual to the respective circuits providing feed-back coupling therebetween and means for establishing such additional feed-back coupling that the degree of regeneration is substantially independent of all adjustments of the inductor in said input circuit.

1,499,332. FLUID-PRESSURE SUPPORT FOR BEARINGS. KARL BAUMANN, Urmston, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 23, 1919. Serial No. 299,217. 8 Claims. (Cl. 64—47.)



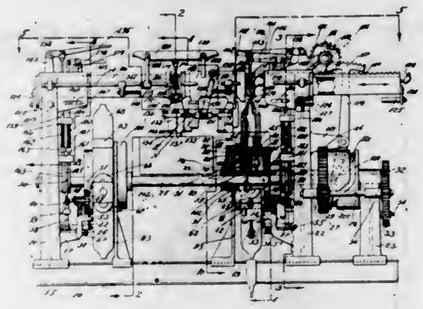
1. A floating bearing construction comprising a bushing or bearing member, a housing for the bushing or bearing member, said housing slidably engaging a portion of the bushing or bearing member and defining therewith a plurality of clearance spaces, a plurality of inlets in the housing for independently supplying fluid under pressure to the respective clearance spaces, and a plurality of outlets for fluid, whereby a bushing or bearing member cushioned on continuously-flowing fluid is provided.

1,499,333. BACKBAND BUCKLE. WILLIAM L. BECTON, Halls, Tenn. Filed June 9, 1923. Serial No. 644,434. 3 Claims. (Cl. 54—55.)



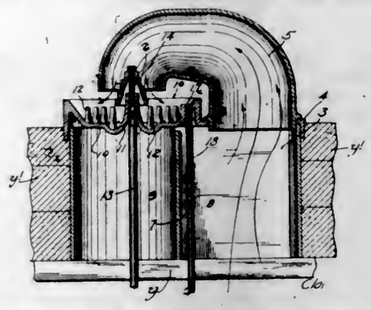
3. In a device of the character described comprising a pair of hinged plates adapted to move to open and closed relation, the said plates being transversely corrugated whereby the corrugations may register with each other when the plates are closed, one of the said plates being connected at its free end to a loop, a supporting hook hinged to the other plate at its free end and adapted for cooperation with the same loop to maintain the said binding plates in closed position, one of the said binding plates also having retaining hooks at its opposite marginal edges, tongues formed on the said loop element of the latch, and adapted to be out of engagement with said retaining hooks when the latch is open, the said tongues being adapted to move into engagement with said retaining hooks when the latch is closed, whereby the said binding plates will be moved into close relation, and a strip of webbing adapted to be threaded through the space between the corrugations of the said binding plates.

1,499,334. GLASS-MOLDING MACHINE. WILLIAM G. BERGMAN, Toledo, Ohio. Filed Dec. 24, 1919. Serial No. 347,204. 21 Claims. (Cl. 49—5.)



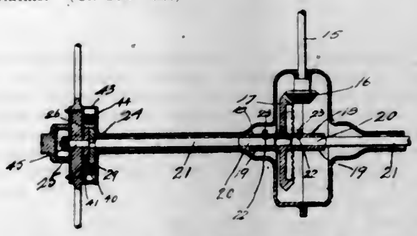
21. The combination with a glass furnace having a discharge neck of a glass molding machine having a set of finishing molds on each side of said neck, a single blank mold for each set of finishing molds, means for intermittently reciprocating said blank molds constructed and arranged to cause the blank mold for each of said sets to be reciprocated into alternate engagement with said discharge neck and its respective finishing molds to deliver a charge of molten glass to said finishing molds, means to release said charge from said blank mold as it is moved into engagement with its respective finishing mold, means to move said finishing molds into position to be engaged by said blank molds simultaneously with the movement of said blank molds, means to hold said finishing molds against movement during the stoppage of reciprocation of said blank molds, and means to admit fluid pressure alternately to each set of said finishing molds while said blank molds and finishing molds are stationary.

1,499,335. HYDROCARBON BURNER. CLARENCE A. BERKINS, Minneapolis, Minn. Filed Oct. 28, 1922. Serial No. 597,454. 2 Claims. (Cl. 158—91.)



1. A burner of the kind described comprising a bowl having on its bottom a plurality of laterally spaced upstanding combined heat-radiating and gas-deflecting pins or projections, a generating cone positioned centrally above the bowl, means for delivering fluid fuel to the upper portion of said generating cone, and an air pipe having a delivery end surrounding said cone and arranged to deliver air downward and between said pins.

1,499,336. DIFFERENTIAL DRIVE CLUTCH FOR AUTOMOBILES. JASPER BLACKBURN, Webster Groves, Mo. Filed Jan. 12, 1920. Serial No. 350,783. 4 Claims. (Cl. 192—56.)



1. In a differential drive for automobiles wherein an axle is provided, and wheels loosely mounted on the axle and adapted to revolve freely thereon, a clutch member comprising a housing secured to a wheel, a disc loosely mounted within the housing adjacent said wheel, a disc rigidly secured to the axle and mounted adjacent the first mentioned disc and located within the housing, roller pawls carried by said discs and adapted to engage with recesses formed in the housing when the axle is revolved in either direction, said roller pawls adapted to be disengaged from the housing by the partial rotation of the fixed disc in relation to the loose disc, and means located on the loose disc for limiting the amount of rotation of the fixed disc in relation thereto.

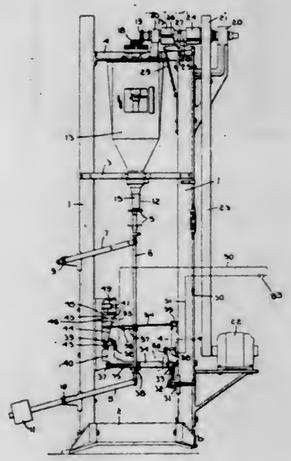
1,499,337. METAL ROOF FOR FREIGHT CARS. CARTER BLATCHFORD, Chicago, Ill. Filed May 14, 1923. Serial No. 638,841. 1 Claim. (Cl. 108—54.)



In a railway car having side plates, of a metallic roof comprising a plurality of roof sheets spaced apart from said side plates and extending transversely across the car, seam caps positioned above and connecting the adjacent roof sheets, supporting plates positioned over said side plates and supporting said roof sheets, chairs sup-

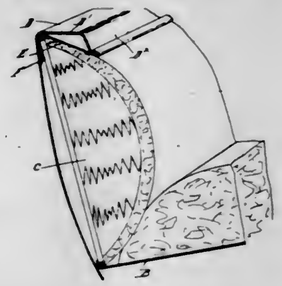
porting the roof sheets, seam caps and supporting plates upon the side plate, carlines passing along the center line of each roof sheet and supporting the roof sheet and supporting plate upon the side plate.

1,499,338. MACHINE FOR FILLING CONTAINERS. CHARLES L. BOND, Boston, Mass., assignor to Percy E. Ginn, Jamaica Plain, Mass. Filed Aug. 4, 1921. Serial No. 489,693. 14 Claims. (Cl. 226—25.)



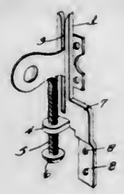
1. In a machine for filling containers, the combination with a vertically-movable platform to receive the container to be filled, of means to deliver material to said container, said container and platform being depressed as the container fills, means including a clutch to operate the delivery mechanism, a device for holding the clutch in operation, a magnet for releasing said device, a circuit for the magnet arranged to be closed at two places, and means to close the circuit at one place when the platform is raised to bring the container into filling position and at the other place when the platform is lowered to a predetermined point.

1,499,339. DETACHABLE UPHOLSTERY FOR METALLIC BODIES OF VEHICLES. PAUL E. BRENEMAN, Philadelphia, Pa., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed June 19, 1920, Serial No. 390,069. Renewed Dec. 12, 1923. 3 Claims. (Cl. 155—184.)



1. The combination with a vehicle body, of a turned flange forming a border rail of a desired contour with a channel on its inner face, an upholstery unit having a portion extending within said channel, and a member of angular cross section secured to said flange extending parallel to the facing of said upholstery unit to form a retaining seat therefor.

1,499,340. WINDOW-SHADE ADJUSTER. GEORGE T. BUNDY, Jr., Far Rockaway, N. Y. Filed Feb. 18, 1921. Serial No. 446,073. 1 Claim. (Cl. 156—24.)



In a device of the character described, the combination with a window frame and shade bracket provided with means whereby it may be secured to the window frame, of a fastening plate, a guide member carried by the fastening plate and including a vertically disposed portion having a longitudinally extending slot open at its upper end to allow the fastening plate to be withdrawn after the shade bracket has been secured to the window frame, a lug at the lower end of the guide member and provided with a screw threaded opening, an adjusting screw mounted in the said opening and having a screw head at its lower end, the said screw being adapted to be disposed parallel with the guide slot whereby the shade bracket mounted in the said slot will be engaged by the screw to be raised and lowered when the screw is adjusted.

1,499,341. DENTAL PULP TESTER. WILL J. CAMERON, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 545,392. 6 Claims. (Cl. 174—89.)

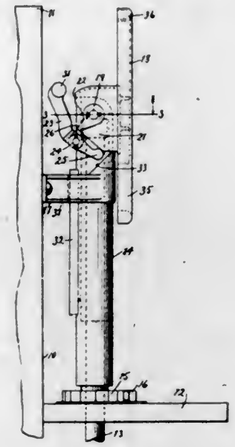


1. A surgical and dental appliance comprising an electric plug connector, a tubular body mounted therein and extending therefrom; said body being closed at the end opposite said plug, tubular bushings extending through the closed end of said body, terminals mounted in said bushings, and conductors leading from said terminals to the respective electrical elements of said plug.

1,499,342. BRAKE MECHANISM FOR RAILWAY CARS. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed July 11, 1923. Serial No. 650,872. 12 Claims. (Cl. 74—113.)

1. In a device of the class described, the combination of a car, a shaft including telescoping upper and lower

sections, a hand wheel hinged to the upper section, a pawl for locking the hand wheel in operative position



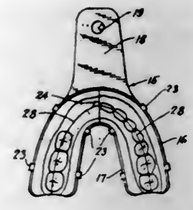
and means for effecting a release of the pawl when the upper section is lowered.

1,499,343. COMBINED STEPLADDER AND IRONING BOARD. FREDERICK A. CHARLAND, Lyndonville, Vt. Filed Mar. 2, 1923. Serial No. 622,381. 1 Claim. (Cl. 228—4.)



In a combined step ladder and ironing board, the combination of a ladder member comprising side bars and steps extending between the side bars, said side bars being provided with notches in their opposite edges, the notches nearer the free ends of the side bars being alined with one of the steps, an ironing board member pivotally connected with the ladder member, bracing levers pivotally mounted upon the ironing board member and adapted to engage the ladder member, stops on the ironing board member, legs pivoted between their ends upon the side bars of the ladder member, and rungs connecting the said legs at the ends thereof and adapted to engage the notches in the side bars of the ladder member in inactive position, and one of the rungs in active position of the legs engaging one of the stops on the ironing board member.

1,499,344. IMPRESSION TRAY. ISIDOR CHIGE and ISRAEL ZADIKOW, New York, N. Y. Filed Nov. 13, 1922. Serial No. 600,756. 2 Claims. (Cl. 32—6.)



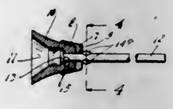
1. An impression tray comprising a channelled body having outwardly inclined walls, paired cells fitting the channel in said body, the adjacent walls of said cells meeting approximately at the center lengthwise of the channel, and hook shaped clips formed with the edges of the outer walls of said cells engageable with the corresponding walls of said body both interiorly and exteriorly of said body.

1,499,345. TEETH-CLEANING INSTRUMENT. EDWARD L. CHOTT, Chicago, Ill. Filed Oct. 13, 1923. Serial No. 668,262. 6 Claims. (Cl. 32—13.)



1. A device of the class described comprising a head having a socket at one end and a bore extending through the other end thereof and into the bottom of said socket; a tubular contact piece inserted in said socket with its bore in alignment with the bore in said head; and a stem inserted through the bore in said head and into the bore in said contact piece and constituting a stem for mounting said head, substantially as described.

1,499,346. TEETH-CLEANING INSTRUMENT. EDWARD L. CHOTT, Chicago, Ill. Filed Oct. 13, 1923. Serial No. 668,264. 3 Claims. (Cl. 32—13.)

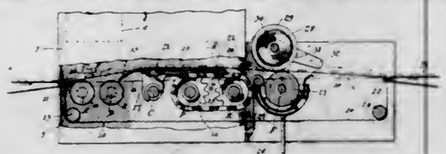


1. A device of the class described comprising a head having a socket at one end and a bore extending through the other end thereof and into the bottom of said socket, a contact piece substantially in cup form and inserted in said socket there being a bore extending through the bottom of said contact piece in alignment with the bore in said head; and a headed stem extending through the bores in said contact piece and head, the head of said stem being positioned in the bottom of said contact piece, and the stem extending beyond said head and constituting a mounting for said head, substantially as described.

1,499,347. BOTTOMER FOR CANDY-COATING MACHINES. JAMES CONTE, Bloomington, Ill. Filed Feb. 27, 1922. Serial No. 539,597. 8 Claims. (Cl. 91—2.)

1. The combination with an enrobing apparatus having a conting discharge nozzle and a reticulated conveyor movable past said nozzle, of an elevating frame comprising rails disposed longitudinally of said conveyor upon which said conveyor travels after leaving said noz-

zle, devices for vibrating said frame whereby said conveyor is agitated to remove the surplus coating from the articles thereon, a transverse cylinder below and supporting said conveyor after the latter leaves said frame, means for supplying said cylinder with a film of coating and devices for maintaining said conveyor in contact with said cylinder while passing the latter.

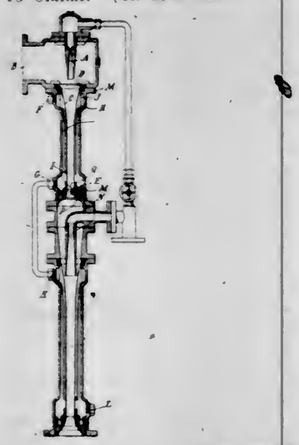


1,499,348. SUPPOSITORY AND METHOD OF MAKING THE SAME. FREDERICK D. CRANE, Montclair, N. J., and WILLIAM JAY SCHIEFFELIN, New York, N. Y. Filed Sept. 3, 1918. Serial No. 252,450. 7 Claims. (Cl. 167—9.)

1. The process of making suppositories which consists in dissolving a higher fatty acid in an oil base adding an alcoholate of an alkali metal to the solution thus formed, and forming the resulting product into suppository form.

7. A suppository consisting of a paraffin oil base solidified by a sodium salt of a higher fatty acid in the presence of ethyl alcohol.

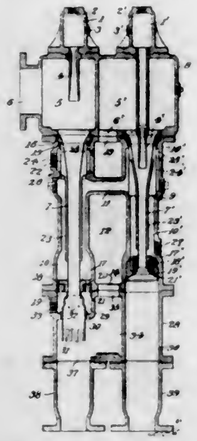
1,499,349. EJECTOR WITH COOLED WALLS. ALBERT DELAS, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 18, 1919. Serial No. 324,391. Renewed Nov. 17, 1923. 16 Claims. (Cl. 230—13.)



1. In an ejector, in combination, a nozzle for the motive fluid, an inlet for the fluid to be exhausted, a diffuser with which said nozzle and inlet communicate, a casing surrounding said diffuser but spaced therefrom and provided with a cooling fluid inlet and outlet passage, and means for substantially excluding cooling fluid from said diffuser but permitting expansion of the latter.

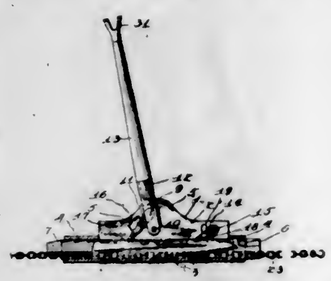
1,499,350. ELASTIC-FLUID EJECTOR. ALBERT DELAS, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed July 13, 1920. Serial No. 396,018. Renewed Nov. 15, 1923. 15 Claims. (Cl. 230—13.)

1. In combination in an ejecting apparatus, an ejector comprising a combined combining and diffuser tube having an inlet to which fluid to be ejected is delivered, and a nozzle for delivering motive fluid to said tube, a second ejector arranged to communicate with the source of fluid to be ejected and to discharge both the fluid ejected and the motive fluid delivered to it to the inlet of the first mentioned ejector, an interstage condenser into



which said second ejector discharges and means for maintaining the ratio of the ratios of compression of said ejectors substantially constant over a considerable variation in the total ratio of compression of said apparatus.

1,499,351. VEHICLE PULLING DEVICE. JAMES LAMBERT DIBRELL, Little Rock, Ark. Filed Nov. 6, 1922. Serial No. 599,239. 8 Claims. (Cl. 254—71.)

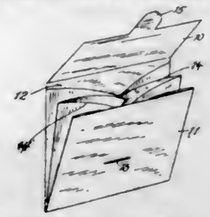


1. A vehicle pulling device comprising a body portion, means for securing the same in position, a pulling element slidably mounted in said body portion and provided with a series of link receiving recesses, means for moving said pulling element through said body portion, a chain the links of which are adapted to enter said recesses and means for attaching said chain to a vehicle, substantially as described.

1,499,352. ENVELOPE. ADOLPH DIETSCHE, New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1921. Serial No. 503,607. 1 Claim. (Cl. 229—87.5.)

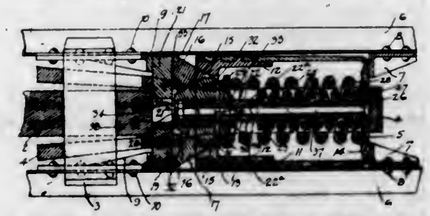
A blank adapted to be folded to form a hair net envelope having a plurality of pockets therein, said blank consisting of a central main section provided with a folding line to form the front and back panels of said envelope, a pair of semi-circular side sections projecting laterally from said main section, said side sections being provided with a plurality of folding lines radiating from

the ends of the folding line of said main section, and a portion of said side sections being cut out adjacent the meeting points of said lines to permit said side sections to be folded within said front and back panels to form a plu-



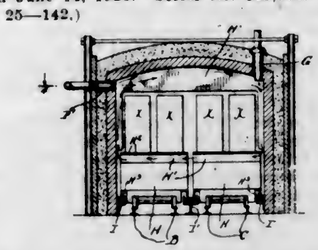
rality of overlapping members, which divide the folded envelope into a plurality of pockets and the top edges of which members extend downwardly in a curve from the tops of said panels toward the bottom thereof.

1,499,353. FRICTION DRAFT RIGGING. GEORGE BINET DOREY, Montreal, Quebec, Canada, assignor to William H. Miner, Chazy, N. Y. Filed Dec. 14, 1921. Serial No. 522,383. 15 Claims. (Cl. 213—26.)



1. A friction draft rigging having a follower, a depending portion fixed relatively thereto and extending therefrom, such depending portion having substantially parallel faces and frictional shoes in engagement therewith and transversely movable wedges acting thereon.

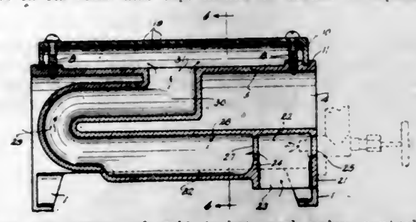
1,499,354. TWIN-TUNNEL KILN AND METHOD OF OPERATING THE SAME. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed June 14, 1923. Serial No. 645,307. 11 Claims. (Cl. 25—142.)



1. The method of regulating the rate of heat transfer from the hotter ware to the colder ware in the end portion of a twin tunnel kiln, which consists in setting up a forced circulation of the kiln atmosphere in said portion of the kiln along paths looped about the kiln axis.

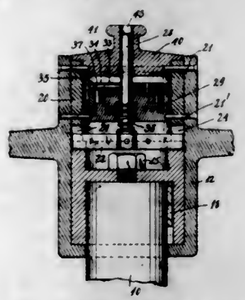
1,499,355. HYDROCARBON-OIL BURNER. CHARLES E. ECKERLE, Birmingham, Ala. Filed Sept. 29, 1922. Serial No. 591,261. 6 Claims. (Cl. 158—65.)

6. In a burner, an elongated arched hollow base casting having a reverse bend mixing passage cast thereunder in spaced relation to its side walls, said passage having a bottom air inlet at its intake end and having its discharge end opening upwardly through the middle of the casting, a jacket mounted on the base casting with its intermediate portion spaced therefrom and having burner slots in its sides and top, means to mount a vaporizer



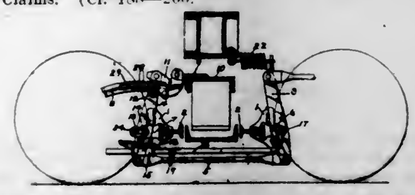
along one corner of said jacket, and valve controlled means to discharge gas from said vaporizer in the form of a jet flowing above said air inlet into said mixing passage.

1,499,356. LOCK FOR AUTOMOBILE STEERING WHEELS. JOSEPH ERDEY, New York, N. Y., assignor, by mesne assignments, to The Safelock Co., Inc., Cleveland, Ohio, a Corporation of Delaware. Filed Apr. 6, 1921. Serial No. 459,041. 5 Claims. (Cl. 70—129.)



2. In a vehicle, a steering shaft, a sleeve fixed to the top of said shaft, a steering wheel having a hub loosely enclosing said sleeve and projecting axially therebeyond to provide a lock casing, a second sleeve fixed in the said projecting portion of the hub, said sleeves having co-acting notches in their adjacent ends, a bar extending diametrically across the hub and adapted to engage at its ends in the said notches, the notches in the second sleeve being of sufficient depth to permit of the bar being raised to clear the end of the first sleeve, the notches in the first sleeve being of less depth, a spindle extending axially of the hub and fixed to said bar, a spring normally urging said bar toward the first sleeve, and combination lock mechanism adapted to hold said spindle in position with the said bar clear of the notches in the first sleeve.

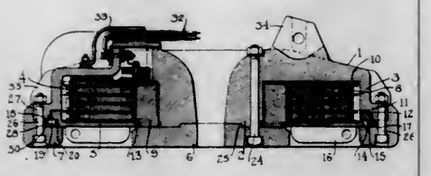
1,499,357. SLACK ADJUSTER. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 19, 1923. Serial No. 640,179. 4 Claims. (Cl. 188—200.



4. In a slack adjuster, the combination with a ratchet bar having teeth and a pawl engaging the teeth of the ratchet bar, of a pocket associated with said pawl and

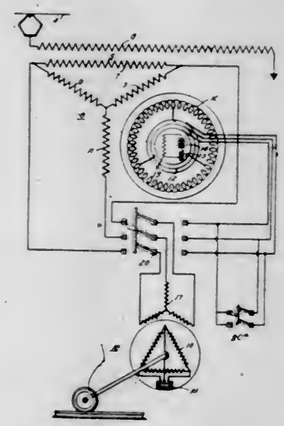
having an inclined face and a ball resting on said face and movable on said face by momentum to a position for limiting the movement of the pawl relative to said ratchet bar.

1,499,358. LIFTING MAGNET. BERNHARD E. FERNOW, Jr., Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 12, 1920. Serial No. 358,294. 11 Claims. (Cl. 175—367.)



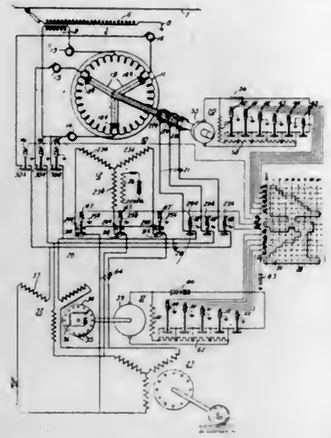
7. In a lifting magnet, in combination, an energizing winding, a magnet frame having inner and outer poles and an annular recess between said poles to receive said winding, the inner wall of said outer poles having a circumferential groove adjacent its lower edge, a coil shield arranged between said poles for supporting said winding and protecting the same, said coil shield having a face on its under side adjacent said groove, a split ring expanded within said groove and engaging said face to lock said coil shield to said magnet frame, a spacing member within said groove and interposed between the ends of said ring to prevent contraction thereof and a key inserted between said member and a surface on said coil shield to lock said spacing member within said groove.

1,499,359. COMBINED FREQUENCY CHANGER AND PHASE CONVERTER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1918, Serial No. 254,313. Renewed Nov. 19, 1923. 6 Claims. (Cl. 172—281.)



1. The combination with a dynamo-electric machine of the alternating-current type embodying a forwardly rotating substantially constant-speed rotor member having a winding in which polyphase currents having a backwardly rotating phase sequence tend to flow, of means for deriving currents of varying frequencies from said rotor member.

1,499,360. FREQUENCY-CONVERTER METHOD AND SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 27, 1922. Serial No. 556,859. 25 Claims. (Cl. 172—238.)



4. In combination, a phase and frequency converter having an armature member, a field member, a plurality of slip-rings for said armature member, a single-phase system connected to said slip-rings, polyphase terminals connected to said slip-rings, a wound damper winding on said field member, a variable-frequency translating device, and means for, at times, connecting said translating device to said polyphase terminals, and, at other times, connecting said translating device to said damper winding.

8. The combination with a source of variable-frequency currents, of means for varying said frequency, at will, a translating device, a series eradicator machine connecting said translating device and said source, means for driving said series eradicator machine, and means for varying the speed of said driving means simultaneously with said frequency-varying means.

13. The combination with a synchronous single-phase machine having a commutator-type primary winding, of a rotatable brush system co-operating with the commutator member, said brush system including a plurality of substantially symmetrically spaced brushes for deriving polyphase currents from said synchronous machine, means for varying the speed of said brush system, and means for impeding certain polyphase currents of one phase sequence while permitting the flow of certain polyphase currents of another phase sequence.

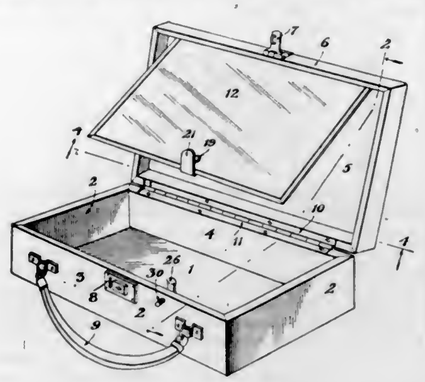
21. A system including a frequency converter having primary windings, slip-rings for said primary windings, a commutator cylinder for said primary windings, a rotatable brush system co-operating with said commutator cylinder, means for varying the speed of said brush system, a variable-frequency translating device, and means for, at times, connecting said translating device to said brushes, and, at other times, connecting said translating device to said slip rings.

25. The combination with a commutator electric machine, of means tending to cause undesirable alternating currents of relatively high frequency to flow in the circuit including said commutator, and an induction machine connected in series relation to said circuit and adapted to rotate substantially in synchronism with said currents.

1,499,361. VANITY BOX. MAX FREUND, New York, N. Y., assignor to Freund Bros. & Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 21, 1923. Serial No. 675,988. 7 Claims. (Cl. 206—15.6.)

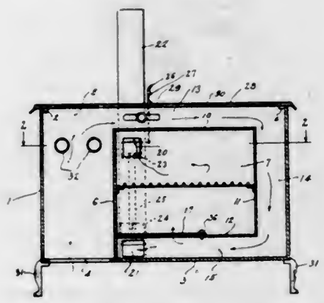
1. An article of the class described comprising a box having a containing compartment, a hinged cover therefor,

a mirror hinged to the iner face of said cover adjacent the free end of the same, and a foldable brace member connecting the mirror and cover and adapted to hold the



mirror above and away from the containing compartment and at an angle to the cover when the cover is in its open position.

1,499,362. GAS STOVE. ARNOLD F. GLASS, Birmingham, Ala. Filed Jan. 20, 1923, Serial No. 613,916. Renewed Dec. 20, 1923. 3 Claims. (Cl. 126—39.)

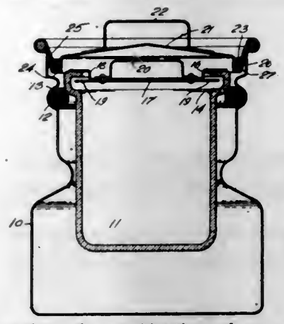


1. A gas burning stove having at one side a fire chamber with gas burners therein, a closed top for the stove having removable lids, partitions forming within the stove an oven, the partitions being spaced from the top and bottom walls and the end wall of the stove remote from the fire chamber to form a flue about the oven, the partition adjacent to the fire box being extended to met the bottom wall, a plurality of heat inlet ports disposed in the forward corner of the oven bottom adjacent to the fire chamber, a stack having heat outlets leading from the oven and from the flue below the oven, and damper means to control said outlet ports.

1,499,363. PROCESS FOR EXTRACTING CERTAIN VALUABLE CONSTITUENTS, AS BY-PRODUCTS, FROM THE COOKING LIQUORS DERIVED FROM THE PRODUCTION OF WOOD PULP TO BE CONVERTED INTO PAPER. EDWARD G. GOODELL, Stevens Point, Wis. Filed Oct. 28, 1922. Serial No. 597,517. 6 Claims. (Cl. 23—22.)

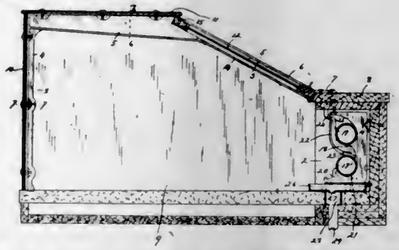
1. The process of distillation which consists of spraying a fluid substance into a highly heated retort whereby the volatile portions of said substance are rendered into vaporous or gaseous form and the non-volatile portions are precipitated as residue.

1,499,364. COOKING VESSEL. EDWARD W. GOODRICK, Buffalo, N. Y. Filed Aug. 7, 1922. Serial No. 580,047. 3 Claims. (Cl. 53—1.)



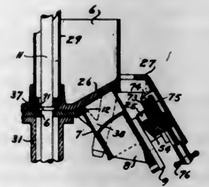
2. In a cooker, the combination of an outer vessel adapted to contain liquid to be heated, an inner container in said vessel and adapted to contain material to be cooked, a resilient supporting and releasable sealing ring between the sides of said container and the inner sides of said vessel, a cover on said vessel, and automatically releasable sealing means between said cover and said vessel.

1,499,365. COUNTER INCLOSURE. JOHN A. GUSTUS, Detroit, Mich., assignor to Detroit Butcher Supply Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 28, 1922. Serial No. 584,683. 6 Claims. (Cl. 211—25.)



1. In a counter inclosure, a pair of spaced top bars having flanges along their lower edges, downwardly and rearwardly inclined bars having opposed lateral flanges along their lower edges connecting with the lower flanges respectively of said spaced top bars, a top supported on said top bars, and a door normally resting freely upon the said lateral flanges of the inclined bars and adapted to be lifted at its rear end to slidably engage the lower flanges of the said top bars along the length of the opposite edges of the door when slid into open position.

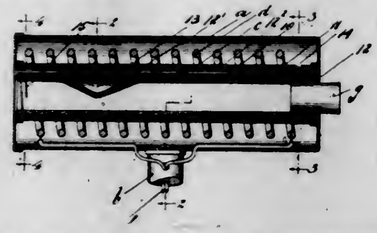
1,499,366. CAN-FILLING MACHINE. OSWALD H. HANSEN, Port Washington, Wis., assignor, by direct and mesne assignments, to Hansen Canning Machinery Corporation, a Corporation of Wisconsin. Filed Dec. 24, 1919. Serial No. 347,110. 41 Claims. (Cl. 226—96.)



1. In a filling machine, a measuring pocket revoluble about an axis which is inclined relatively to the longitudinal axis of said pocket, a displacement piston mov-

able longitudinally within said pocket and away from said axis of revolution, means for moving said piston, and means for admitting material to said pocket in the direction of movement of said piston.

1,499,367. APPARATUS FOR HAIR WAVING. PAUL E. HERRMANN, New York, N. Y. Filed Feb. 27, 1923. Serial No. 621,571. 14 Claims. (Cl. 219—24.)



1. In a hair curling apparatus of the character described, a steaming device, comprising a tube of heat conducting material, a shell or lining of liquid absorbing material in said tube and means therein for replenishing the liquid as it is being vaporized.

1,499,368. MEANS FOR INDICATING AND DISCONNECTING DEFECTIVE BRANCHES FROM ELECTRIC-CURRENT NETWORKS. MARTIN HÖCHSTÄDTER, 's Gravenhage, Netherlands, assignor to N. V. Lyn-Protectie, The Hague, Netherlands, a Dutch Corporation. Filed Mar. 30, 1921. Serial No. 457,108. 2 Claims. (Cl. 175—294.)



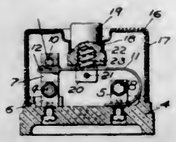
2. In an electrical distributing system, a line section comprising two conductors having their respective ends jointly connected to the respective section terminals, means for disconnecting said line section from the system at said terminals, and gap safety devices connected between said conductors adjacent to said section terminals and being responsive to abnormal potential differences between said conductors, and operative connection between said gap safety devices and said disconnecting means, causing the latter to operate on response of said gap safety devices, and reactance means interposed in at least one of said conductors between a section terminal and the gap safety device located adjacent thereto.

1,499,369. CANDY PACKAGE. ANDREW W. HOLLAND, Sherborn, Mass., assignor, by mesne assignments, to Walter M. Lowney Company, a Corporation of Massachusetts. Filed Sept. 20, 1922. Serial No. 589,377. 1 Claim. (Cl. 229—42.)



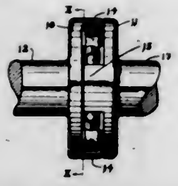
A candy package comprising a box, a plurality of superposed trays fitting within said box and having depending supporting flanges and each having a series of openings, floors on which the flanges of the trays rest, combined with upwardly flaring cups fitting said openings and having flat bottoms to support the candy articles.

1,499,370. PUSH-BUTTON SWITCH. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1920. Serial No. 425,458. 5 Claims. (Cl. 200—159.)



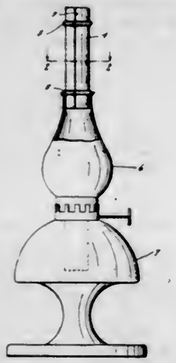
1. In an electric switch, a stationary contact member, a movable contact member normally yieldingly held in engagement with the stationary contact member, a push button for actuating the movable contact member, a guide for the push button, and a yielding connection between the push button and the movable contact member for permitting the push button to be guided through a path of travel independent of the direction of movement imparted to the movable contact member.

1,499,371. UNIVERSAL JOINT. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 2, 1921. Serial No. 448,973. 19 Claims. (Cl. 64—89.)



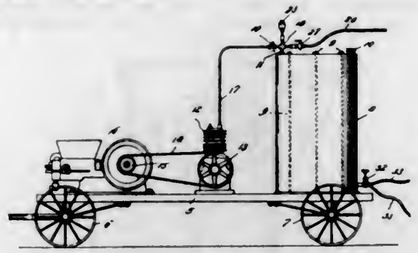
1. In a shaft coupling, the combination of a pair of coupling members, projections carried by the coupling members, struts interposed between the projections and capable of rolling motion relative thereto, and a separate means cooperating with one of the coupling members and with the struts to resist centrifugal force developed thereby in operation.

1,499,372. ATTACHMENT FOR LAMP CHIMNEYS. RUDOLPH KERNAUL, Pullman, Mich. Filed June 20, 1923. Serial No. 646,644. 3 Claims. (Cl. 240—96.)



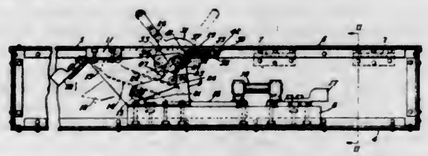
1. A cylindrical attachment arranged to fit in the top of a lamp chimney, and provided with a surrounding ridge adjacent each of its open ends for re-enforcing said attachment and supporting it with either end in said chimney.

1,499,373. STUMP BURNER. OTTO KOHSE, Chehalis, Wash. Filed Apr. 9, 1923. Serial No. 631,041. 1 Claim. (Cl. 158—36.)



A portable stump burner including a wheeled frame, an oil tank mounted on the rear end portion of said frame, securing means extending through said tank and the frame for securing said tank thereto, and an air compressor mounted on said frame, means for driving said air compressor, a fitting mounted on the upper end of said tank and having communication therewith, a pipe connecting said fitting to said air compressor for conveying the air compressed to the tank, said fitting having a plurality of valved outlets, air hose secured to each of said outlets, a pressure relief valve mounted in said fitting, an outlet mounted at the bottom of the tank, hose connections with said outlet having a valve for controlling the outlet of fluid from the tank, and burner nozzles mounted on the end of said last mentioned hose whereby the air compressed in said compressor will be conveyed to the tank and air hose and maintained under a predetermined pressure for forcing oil through the last mentioned hose when the valve controlling communication thereto is opened and forcing air thru the first mentioned hose when the valve controlling the outlet thereto is open, the burner nozzles providing a fuel oil flame for burning the stump and the first mentioned hose connection providing the air for said flame.

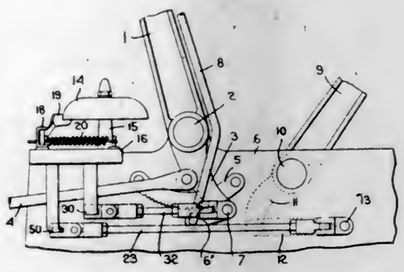
1,499,374. SWITCH BOX. HUBERT K. KRANTZ, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 26, 1920. Serial No. 426,467. 6 Claims. (Cl. 200—68.)



1. Switch mechanism comprising a switch member pivoted for rotary movement, a follower carried by the switch member, a spring engaging the follower for normally holding the switch in open position, a cam member pivoted adjacent the follower for actuating the follower and having a contact portion engaging therewith and movable past a line traversing the axes of rotation of the switch member and the cam member, an operating member having a lost-motion connection to the cam member and movable to open and to closed positions, and means for yieldingly retaining the operating member in either of said positions.

1,499,375. AUTOMOBILE BRAKE GUARD. JOHN HOWARD LACY, Boston, Mass. Filed Feb. 6, 1922. Serial No. 534,367. 5 Claims. (Cl. 116—56.)

4. In an automobile a brake actuator movable to apply and release brake mechanism, a connection actuator movable to effect the connection and disconnection of the engine to the driving elements, a bell, a movable striker for the bell, a dog movably mounted on the connection actuator and acting when in operative position to engage and effect the actuation of the striker upon a movement of the connection actuator requisite to effect connection of the engine to the driving elements, and means controlled by the brake actuator acting to maintain the dog in operative position upon the absence of the brake actuator from releasing position.



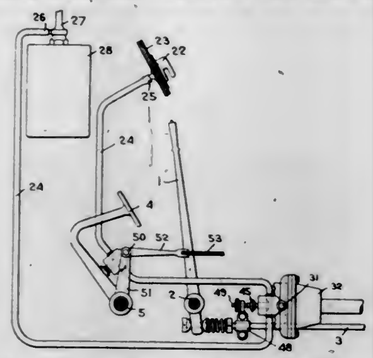
1,499,376. AUTOMOBILE BRAKE GUARD. JOHN HOWARD LACY, Boston, Mass. Filed Mar. 14, 1922. Serial No. 543,587. 8 Claims. (Cl. 116—58.)

6. In an automobile, a brake actuator movable to apply and release brake mechanism, a connection actuator movable to effect the connection and disconnection of the engine to the driving elements, a suction operated signal, a pipe connection between the signal and the intake manifold of the engine, two valves in said pipe connection arranged in series, a spring normally holding each valve closed, means controlled by the brake actuator and operative to open one valve when the brake mechanism is applied, and means controlled by the connection actuator to open the other valve upon operation of said actuator, whereby a signal is given if an attempt is made to start the automobile with the brake mechanism applied.

1,499,377. AUTOMOBILE BRAKE GUARD. JOHN HOWARD LACY, Boston, Mass. Filed Nov. 4, 1922. Serial No. 599,030. 9 Claims. (Cl. 116—58.)

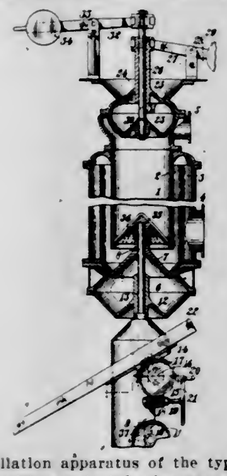
4. In an automobile a connection actuator movable to effect the connection and disconnection of the engine to the driving elements, a pneumatically actuated normally inactive signal, a pipe connected to the signal and having an elastic compressible section, means for inducing a flow of air in the pipe sufficient to actuate the signal,

and means acting when the connection actuator is in connecting position to compress the pipe section to cut



off, and when the connection actuator is in disconnecting position to relieve the pressure on the pipe section to permit, the signal actuating flow of air in the pipe.

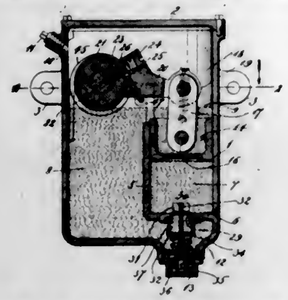
1,499,378. RETORT OR STILL. FREDERICK LAMPLOUGH, Feltham, England, and NEVILLE CHARLES THOMASON HARPER, Durban, Natal, South Africa. Filed Dec. 13, 1922. Serial No. 606,584. 9 Claims. (Cl. 196—19.)



1. In distillation apparatus of the type described, the combination with a retort having an apertured bottom and having an outlet for the vapors of distillation in the upper portion thereof, of means to admit material to be distilled to said retort, a casing comprising at least two jacket-spaces one within the other surrounding said retort, the inner of which jacket-spaces communicates at the bottom with the retort below said apertured bottom and at the top with a surrounding jacket-space and the outer of which jacket-spaces is provided with an inlet near the bottom to admit heating fluid thereto whereby the heating fluid is compelled to flow upwardly in the outer jacket and downwardly in the inner jacket and thereafter pass through the material in the retort in an upward direction.

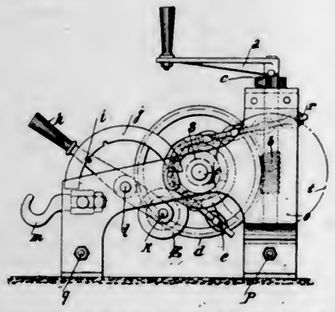
1,499,379. SHOCK ABSORBER. JAMES S. LANG, Watertown, Mass. Filed Aug. 22, 1922. Serial No. 583,473. 9 Claims. (Cl. 188—88.)

1. In a fluid check shock absorber for controlling the movement of relatively movable parts, the combination comprising an element attachable to one of said parts and having a pressure chamber, said element being provided also with a port permitting of the circulation of a contained fluid into and out of said chamber, a piston attachable to the other of said parts and reciprocable in said pressure chamber, a valve for controlling said



port, and means for arranging and supporting said valve whereby it may close said port or pass therethrough and open in reverse directions and permit of a more free passage of fluid through said port in one direction than in a reverse direction.

1,499,380. HAULING WINDLASS FOR THE LOADING OF VEHICLES. RENÉ LARMIGNAT, Paris, France. Filed Mar. 21, 1921. Serial No. 454,183. 1 Claim. (Cl. 254—176.)

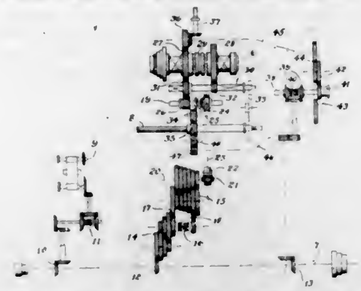


In a hauling windlass, a framework, a chain pulley rotatably mounted in said framework a chain trained about said pulley, means for driving said pulley, a pivotally mounted lever, an idler roll having a groove therein rotatably mounted on said lever, the edges of said idler roll adapted to retain said chain in engagement with said chain pulley and said groove serving to guide said chain in its passage towards said chain pulley while permitting the passage of the chain links through said groove and means to hold said lever in either of two positions in one of which the idler roll holds said chain in engagement with said chain pulley and in the other of which disengagement of said chain from said chain pulley is permitted.

1,499,381. REVERSING MECHANISM FOR THREAD-MILLING MACHINES. FREDERICK J. LARSON, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 23, 1920. Serial No. 418,890. 8 Claims. (Cl. 10—154.)

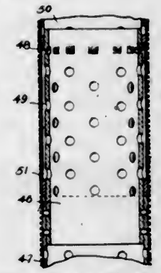
1. In a metal working machine, the combination of a rotary work spindle, a cutter carriage movable longitudinally of the spindle, a screw for so moving the carriage, a drive shaft, operative connections including a positively acting clutch from the drive shaft to the spindle and screw, and a rapid power traversing mechanism for the screw including a rapid power traversing shaft driven from the drive shaft, a gear frictionally

mounted thereon whereby breakage of the gears of undue strain on the machine is prevented when the rapid power



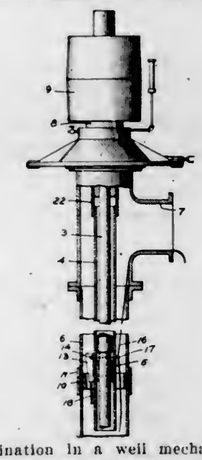
traversing mechanism is thrown into mesh and a toothed clutch for connecting the traversing mechanism with the drive shaft.

1,499,382. WELL SCREEN. MAHLON E. LAYNE, Los Angeles, Calif. Filed Sept. 8, 1920. Serial No. 408,945. 6 Claims. (Cl. 166—8.)



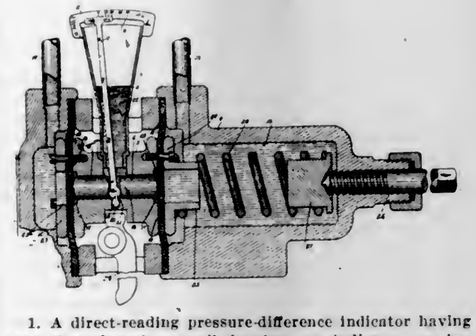
1. In combination in a well screen, a plurality of screening sections arranged in series and a series of slip joints between the ends of the succeeding sections to permit each section to be moved upward from its operative position of use in the ground before the upward movement of the next section beneath.

1,499,383. WELL MECHANISM. MAHLON E. LAYNE and SAMUEL N. HALL, Los Angeles, Calif.; said Hall assignor to said Layne. Filed Mar. 6, 1922. Serial No. 541,289. 5 Claims. (Cl. 103—102.)



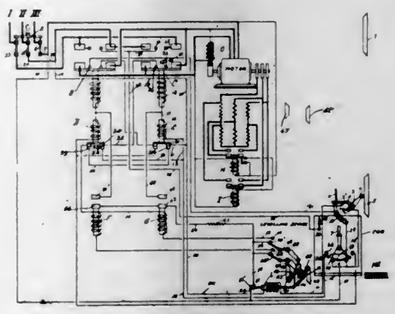
5. In combination in a well mechanism, a pump, a discharge casing extending upwardly from the pump, a power transmission shaft extending upward from the pump, a shaft casing surrounding the shaft and provided with a series of spaced bearings for the shaft, a series of wedges arranged at intervals along the length of the shaft between such casing and the discharge casing, flexible securing means for fastening the wedges releasably to the shaft casing above their positions of use, and a flexible means extending up between the casings to the upper end thereof and fastened to said securing means for releasing such means and permitting the wedges to move to wedging position after the casings are assembled.

1,499,384. DIRECT-READING PRESSURE-DIFFERENCE INDICATOR. HENRY B. LEE, New London, Conn., assignor to The D. E. Whiton Machine Co., New London, Conn., a Corporation. Filed Mar. 13, 1920, Serial No. 365,670. Renewed Nov. 27, 1923. 7 Claims. (Cl. 73—110.)



1. A direct-reading pressure-difference indicator having a graduated scale, an oil-chamber, an indicator moving in a body of oil in the said oil-chamber, whereby the operation of the indicator is stabilized and a prime-mover simultaneously subjected to the opposing pressures whose difference is to be indicated, the said prime-mover being connected with the indicator for the operation thereof.

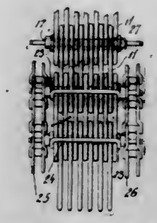
1,499,385. CAR-LEVELING APPARATUS. DAVID L. LINDQUIST, Hartsdale, White Plains, and FREDERICK HYMANS, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 2, 1920. Serial No. 370,680. 31 Claims. (Cl. 187—29.)



6. In an electric elevator, the combination of a hoisting electric motor mechanism, a switch for operating the elevator, and cams in the hatchway, a car stopping device to control and stop the car with a predetermined load level with the landing, said stopping device controlled by the switch for operating the elevator and by said cams in the hatchway, an automatic car leveling device, switches on the leveling device to control the hoisting mechanism, and cams in the hatchway to open the switches on the leveling device, after said leveling device

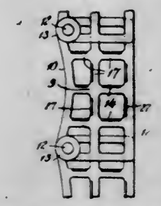
has automatically caused the car with any other load than the predetermined load to become level with the landing in case the car overruns or underruns the landing.

1,499,386. CHAIN PUMP. RAMON LONG, New York, N. Y., assignor to American Liquolift Corporation, a Corporation of Delaware. Filed July 29, 1922. Serial No. 578,503. Renewed Dec. 18, 1923. 9 Claims. (Cl. 103—72.)



1. The chain pump comprising an upper supporting wheel formed with sprockets, a top casing arranged in co-operation with said supporting wheel, a continuous liquid carrying chain cooperating with said supporting wheel and casing and formed of intermeshing water carrying wire links and cooperating connecting pivots, each of said links having a connector member cooperating with and substantially enclosing two adjacent connecting pivots and having laterally projecting water carrying portions arranged on both sides of said connector member and comprising a series of longitudinal members and connected end loops projecting beyond said connector member and adjacent the end loops of the laterally aligned chain links, spacing and driving rolls arranged between said water carrying links on said connecting pivots to form transversely separated chain sections and an intermediate sprocket driving wheel engaging said driving rolls to operate said liquid carrying chain from a point below said upper supporting wheel.

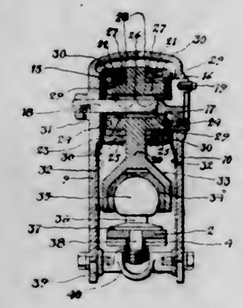
1,499,387. CHAIN PUMP. RAMON LONG, New York, N. Y., assignor to American Liquolift Corporation, a Corporation of Delaware. Filed July 29, 1922, Serial No. 578,504. Renewed Dec. 18, 1923. 9 Claims. (Cl. 103—72.)



1. The chain pump comprising a wheel and a continuous liquid carrying chain formed of intermeshing perforated sheet metal links having rigidly connected bearing portions spacing the adjacent links apart transversely of the chain and cooperating connecting pivots, said links having transversely projecting water carrying flanges adjacent the perforations in said links and extending in a lateral and longitudinal direction to promote the liquid carrying capacity of the links.

1,499,388. ANTIFRICTION-BEARING MECHANISM FOR SPRING SHACKLES. RALPH M. LOVEJOY, Boston, Mass. Continuation of application Serial No. 551,584, filed Apr. 11, 1922. This application filed Jan. 20, 1923. Serial No. 613,890. 9 Claims. (Cl. 267—34.)

6 A spring shackle for vehicles comprising a casing adapted to be secured to the frame of a vehicle, a member presenting flat faces having trunnions extending therefrom, pivotally mounted in said casing to swing about a horizontal axis, outer tubular sleeves of oil-soaked wood of greater length than said trunnions having the grain extending in a direction substantially parallel to the axis of said sleeve surrounding said trunnions, abutting at their inner ends against the flat faces



of said swinging member and engaging at their outer ends sockets rigid with said casing and inner tubular bearings of oil-soaked wood having the ends of the grain engaging the top and bottom portions of said trunnions and means for pivotally connecting said swinging member to the spring.

1,499,389. NECKTIE HOLDER. PETER L. MARKEY, Chicago, Ill. Filed June 13, 1923. Serial No. 645,016. 10 Claims. (Cl. 24—59.)



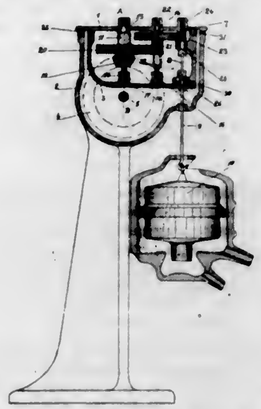
1. A necktie holder comprising a base, arms extending outwardly from said base, prongs connected to the outer ends of said arms, a reinforcing member formed integrally with said base and a slot extending in said base and reinforcing member for detachably securing the necktie holder on a collar button.

1,499,390. PROCESS OF MANUFACTURING SWISS CHEESE. KENNETH J. MATHESON, Washington, D. C., dedicated, by mesne assignments, to the People of the United States of America. Filed Jan. 30, 1922. Serial No. 532,901. 1 Claim. (Cl. 99—11.) Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

In the manufacture of Swiss cheese the step of passing milk, after preliminary warming, through a separator, and subsequently reincorporating the separated cream and skim milk.

1,499,391. CREAM SEPARATOR. ALFRED MÉLOTTE, Remicourt, Belgium. Filed Apr. 8, 1921. Serial No. 459,646. 1 Claim. (Cl. 74—7.)

A cream separator comprising in combination with a support having a chamber in its upper portion, and a pendantly supported rotatable separator bowl, of a cover detachably secured over the chamber, a shaft journalled in the walls of the chamber, said shaft having means for manual operation, a support bracket fixed on the lower side of said cover, spindles journalled at their ends respectively in said cover and bracket, one of said spindles having driving connections with said bowl, multiplying gears on said spindles, said gears constituting a train, a bevel pinion on the spindle most remote from



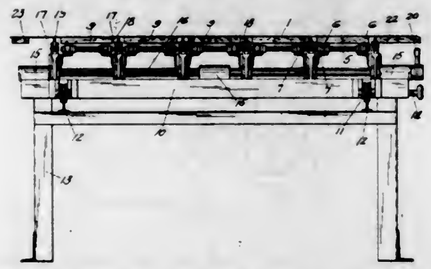
the separator driving spindle, and a bevel gear on said shaft meshing with said pinion, said cover, bracket and gear train being removable from said support as a unit.

1,499,392. PNEUMATIC VEHICLE TIRE. JOHN L. MELTON, Portsmouth, Va. Filed June 15, 1923. Serial No. 645,604. 3 Claims. (Cl. 152—20.)



3. The combination of a pneumatic tire; a plurality of lugs secured to the tire, a transverse recess cut from the center of each lug thereby forming a projection at each end thereof; and a wheel rim provided with recesses for receiving the lugs, and ridges formed in the recesses to engage the transverse recesses in the lugs.

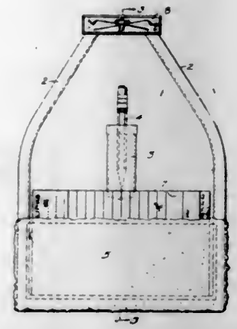
1,499,393. CRACKING-OFF DEVICE FOR SHEET GLASS. JOHN H. MOLLER, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 1, 1922. Serial No. 598,428. 9 Claims. (Cl. 49—48.)



1. The combination with a table on which sheet glass is supported while being scored, of a cracking-off device movable to different positions beneath the table and sheet to elevate the sheet at the score line.

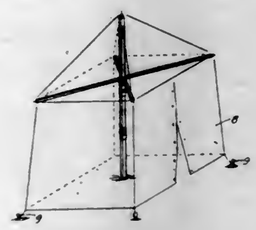
4. The combination with a moving table or conveyor on which the glass sheet is carried while being scored, of a cracking-off device movable to position beneath the score line and comprising means to elevate the sheet.

1,499,394. HAND CLEANER. MARY A. MOORE, Hayden Lake, Idaho. Filed Apr. 2, 1921, Serial No. 457,905. Renewed Nov. 23, 1923. 1 Claim. (Cl. 24—13.)



A hand cleaner of the character described adapted to be attached to an outer garment, comprising a flexible backing sheet, a wiping pad appreciably smaller than the backing sheet, comprising a piece of sheepskin having its side edges and lower edge secured to the side and lower edges of the backing sheet with the hair side of the skin outermost, said pad and backing sheet cooperating to form a score card receiving pocket, a pencil pocket on the face of the backing sheet above the wiping pad, the lower end of said pencil pocket adapted to be concealed by a score card in the first-mentioned pocket, and means carried by the upper end of the backing sheet for attaching said sheet to an outer garment.

1,499,395. TENT-SUPPORTING APPARATUS. ADOLPH MUEHLEISEN and GROVER C. MUEHLEISEN, San Diego, Calif. Filed Aug. 5, 1921. Serial No. 489,948. 5 Claims. (Cl. 135—2.)

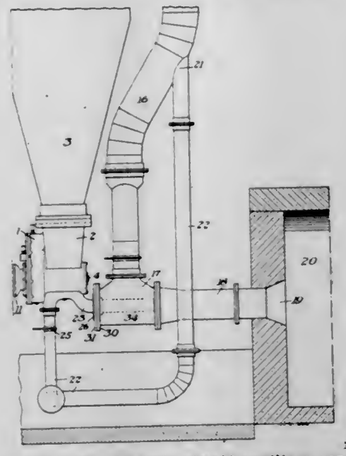


1. A tent apparatus, including a tent cover, a central pole, a plurality of spreader supports secured to said pole and radiating therefrom, a plurality of spreader members secured to said supports and extending outwardly therefrom and supported by said cover at their outer ends and a special spreader member, its one end adapted to engage said pole and when drawn downwardly against said pole to an approximately horizontal position for tightening the tent will engage one of said radiating spreader supports.

1,499,396. APPARATUS FOR FEEDING PULVERIZED FUEL. HENRY MUELLER, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1923. Serial No. 614,961. 3 Claims. (Cl. 302—49.)

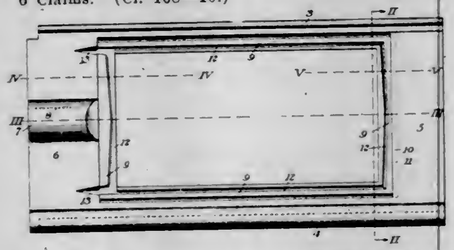
1. In apparatus for feeding pulverized fuel, an auxiliary air conduit, means for feeding fuel into said conduit, a main air conduit, an extension detachably secured to

said auxiliary conduit and projecting into the main conduit, a flexible annular diaphragm secured between



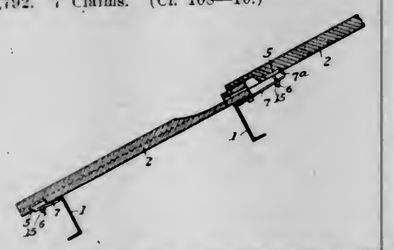
flanges on the adjacent ends of said auxiliary conduit and extension, and means adjustably clamping said diaphragm to said main conduit, substantially as described.

1,499,397. ROOFING TILE. SOLOMON B. MYERS, Pittsburgh, Pa., assignor to American Cement Tile Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1922. Serial No. 596,791. 6 Claims. (Cl. 108—10.)



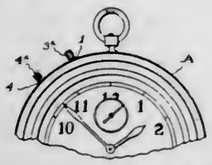
1. A roofing tile comprising a tile frame and a translucent pane seated therein, the tile frame having a moisture-conducting gutter in the pane-receiving seat thereof beneath the edge of the pane and extending to the outer surface of the tile beyond the lower edge of the pane, substantially as described.

1,499,398. TILE ROOFING. SOLOMON B. MYERS, Pittsburgh, Pa., assignor to American Cement Tile Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1922. Serial No. 596,792. 7 Claims. (Cl. 108—10.)



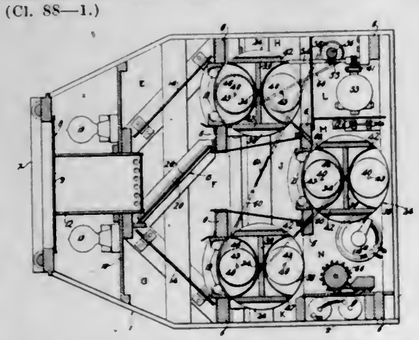
1. A roofing tile having a metal socket cast therein, said socket having an elongated slot for receiving a hold-down device, substantially as described.

1,499,399. INDICATOR FOR ALARM CLOCKS. ALBERT A. OHLER, Painesville, Ohio. Filed Sept. 28, 1923. Serial No. 665,301. 4 Claims. (Cl. 58—16.)



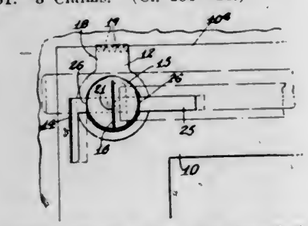
1. The combination with an alarm clock having an alarm control member movable into "alarm" and "silent" positions, of an indicating means including a finger piece on the control member, an opposed finger piece and signal member adjacent to one end of the path of movement of the control member, and luminous paint on the two finger pieces.

1,499,400. EXHIBITION DEVICE. ALFRED E. OSWALD, Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 11, 1920. Serial No. 416,247. 60 Claims. (Cl. 88—1.)



20. An exhibition device comprising, in combination, a housing, a sight device to limit the direct vision to a definite path through the housing, a plurality of exhibit-carriers in said housing but outside of said path, and means, including a reflecting device mounted for movement to different positions, to reflect an exhibit on any one of said carriers through the sight device, said plurality of exhibit-carriers including a carrier provided with a plurality of exhibits.

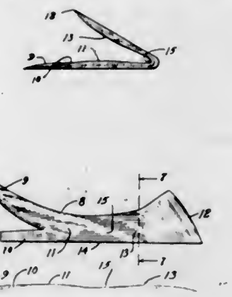
1,499,401. COMBINED SHADE-ROLLER AND CURTAIN-POLE BRACKET. ALONZO E. PACKER, New Philadelphia, Ohio. Filed Sept. 12, 1922. Serial No. 587,661. 3 Claims. (Cl. 156—24.)



2. A bracket device of the class described, comprising three sheet metal parts, one of said parts being of unitary construction substantially disk-shaped in form and provided with an outwardly pressed portion forming a chamber opening outwardly through the rear face thereof, said outwardly pressed portion being apertured centrally thereof with an elongated aperture, the opposite side walls of said outwardly pressed portion being

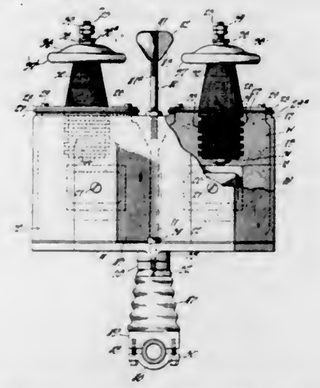
provided with other apertures, said part being provided with an upwardly, backwardly and downwardly directed extension by means of which the same may be mounted in connection with a suitable support and another of said parts being substantially T-shaped in form and being adapted to be passed through the elongated aperture of said first named part for detachably connecting said part with said first named part, said last named part extending outwardly at right angles to the first named part and being provided with means for receiving and supporting the shanks of a shade roller.

1,499,402. PLOWPOINT. FRED PETERSEN, Longmont, Colo. Filed Jan. 18, 1923. Serial No. 613,376. 2 Claims. (Cl. 97—125.)



1. A plow point comprising a bar of rectangular cross-section, having one end split into two parts, one of which is curved away from the other, the other end of the bar being curved outwardly to one side, said bar having its ends thinned to an edge; a thickened portion near each end; and an intermediate thinner portion.

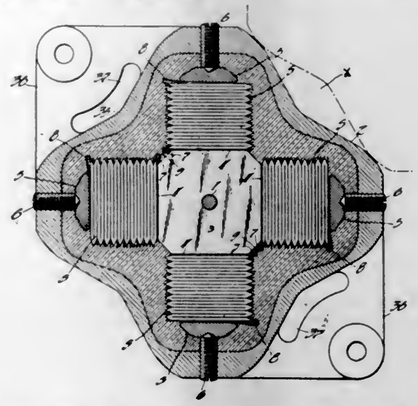
1,499,403. ELECTRICAL CONDENSER. WILLIAM H. PRIESS, Belmont, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,868. 22 Claims. (Cl. 250—41.)



1. An electrical condenser comprising a plurality of stacks of sheets, a common metal casing for said plurality of stacks by which casing said stacks are connected in series; and a corresponding number of condenser terminals extending from the stacks through the casing and insulated therefrom.

17. An electrical condenser comprising a plurality of stacks of sheets each of which stacks is short for heat conduction as compared with a single stack electrically equivalent to the plurality of stacks; said stacks being arranged end to end in pairs and each pair having a heat-absorbing member located between the adjacent ends; a plurality of heat-radiating means located outside said casing; and a corresponding plurality of heat-conducting condenser-connections extending from said respective heat-absorbing members, through but insulated from said casing, and to said heat-radiating means, respectively; the outer ends of said double stacks being in good thermal and electrical conducting relation with said metal casing.

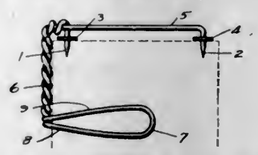
1,499,404. ELECTRICAL CONDENSER. WILLIAM H. PRIESS, Belmont, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,869. 24 Claims. (Cl. 250—41.)



1. An electrical condenser comprising a plurality of stacks of sheets each of which stacks is short for heat conduction as compared with a single stack electrically equivalent to the plural stacks; a common enclosure for said plural stacks; two heat-radiating members outside said enclosure; a heat-conducting condenser-connection from one set of electrical ends of said plurality of stacks to one of said heat-radiating members; the other set of electrical ends of said plural stacks being thermally and electrically connected to the other of said heat-radiating members, whereby said plural stacks are connected in parallel between the two radiators.

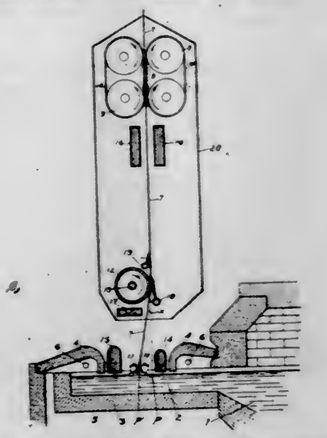
14. In an electrical condenser, a casing, a condenser stack mounted within the casing, said casing comprising a part of the clamping means for the stack, insulating material filling said casing and surrounding the stack, and means for allowing the expansion and contraction of said insulating material without affecting the clamping on the stack, said means comprising a flexible diaphragm facing the insulating material.

1,499,405. CAN OPENER AND SEAL. HYLE N. ROBERTS, Globe, Ariz. Filed Jan. 29, 1923. Serial No. 615,550. 1 Claim. (Cl. 220—51.)



A device for punching and sealing holes in a can which is constructed of one piece of wire that is bent in the form of a semi-circle at the lower end, then bent over and back to the center where the two ends are twisted together to form a vertical member at the upper end of which one of the ends extends outward to form a horizontal member, the outer end of which is bent downward and pointed, and the other of the ends is bent around the horizontal member and downward to form a second point; said points having collars around them.

1,499,406. DRAWING AND FLATTENING SHEET GLASS. CLIFFORD A. ROWLEY, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed July 22, 1922. Serial No. 576,668. 10 Claims. (Cl. 49—17.)



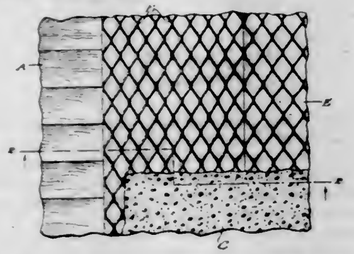
9. In an apparatus for drawing and flattening sheet glass, a receptacle containing a mass of molten glass, means for drawing a continuous sheet of glass upwardly therefrom, a deflecting member for the sheet positioned between the molten glass and the drawing means, and having its sheet engaging surface in vertical alignment with the sheet engaging surface of the drawing means, and a pair of coolers one at either side of the sheet source, the cooler at the side beneath the deflecting member having the greater heat absorbing capacity.

1,499,407. POOL-BALL TRAY. EUGENE J. SAVOIE, Woonsocket, R. I. Filed May 19, 1922. Serial No. 562,117. 6 Claims. (Cl. 46—6.)



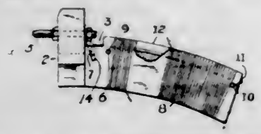
2. A portable pool ball and pool ball frame holding device of the character described comprising a body portion, means for retaining the frame in proper position thereon, handles, means for preventing the device from slipping on the table and one beveled margin of the body portion over which the balls and frame may be withdrawn without shock to the table.

1,499,408. WATERPROOFED LATHING. CHARLES H. SCAMMELL, New York, N. Y., assignor to Charles H. Scammell Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 13, 1922. Serial No. 543,134. 3 Claims. (Cl. 72—116.)



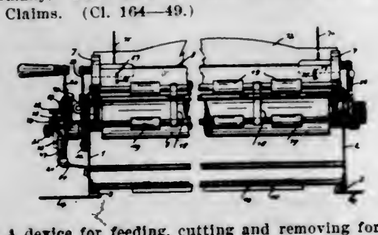
2. A new article of manufacture, comprising metal lathing formed to anchor plastic material between it and a plain surface in contact with such lathing, a backing sheet and an interposed layer of waterproof material adhesively securing said backing sheet and lathing together.

1,499,409. ELECTRIC HEATING ELEMENT. OTTO SCHAUMBERG, Pittsburgh, Pa. Filed Nov. 1, 1922. Serial No. 598,274. 3 Claims. (Cl. 219—63.)



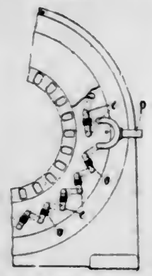
1. An electric heating element comprising a body portion having one edge thereof formed with a longitudinal groove, a terminal block formed integrally with said body portion, a pair of terminals fixed in said terminal block, and a resistance coil consisting of one continuous length of wire and including lead wires connected with said terminals one of said lead wires positioned in said groove, substantially as described and for the purpose set forth.

1,499,410. DEVICE FOR TYPEWRITING MACHINES FOR FEEDING, CUTTING OFF, AND REMOVING FORMS. WILHELM SCHOENENBERG, Cologne-Deutz, Germany. Filed Feb. 13, 1922. Serial No. 536,048. 11 Claims. (Cl. 164—49.)



1. A device for feeding, cutting and removing forms in typewriting machines comprising a platen, a feed roller, a cutting device, a hand lever, movable in one direction to turn said feed roller through the length of a form and in the opposite direction to actuate said cutting device, a removing rake operated after the cutting device and means for receiving forms removed by said rake, said rake being actuated by said handle near the end of its reverse movement.

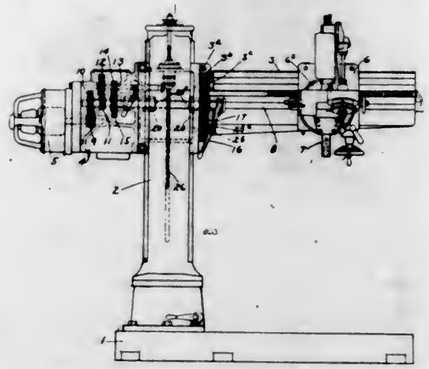
1,499,411. MEANS FOR CARRYING OFF HEAT GENERATED IN ELECTRICAL APPARATUS. GIULIO SCHROEDER, Hale, England. Filed Mar. 11, 1921. Serial No. 451,628. 3 Claims. (Cl. 171—252.)



1. In an electric machine, the combination with a core, of a cooling arrangement comprising a circulating system for cooling liquid consisting of longitudinal tubes which run through the core and are separate from the electric conducting winding in the latter, interconnecting hollow parts at the ends of said tubes, said tubes and said parts forming a closed system in the machine, and

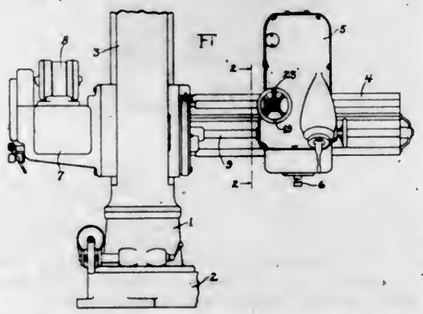
hollow insulating pieces so inserted in the said system as to prevent the existence of electric conductive continuity therein while maintaining the completeness of the closed passage for liquid through the machine.

1,499,412. DRILLING MACHINE. WILLARD T. SEARS, Montclair, and ROSWELL H. RAUSCH, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 21, 1921. Serial No. 446,547. 8 Claims. (Cl. 77—28.)



1. A radial drilling machine comprising the combination of a column, an arm vertically adjustable on the column, a shaft extending along the arm and into the column, a drill spindle carried by the arm and operatively connected to the portion of the shaft extending along the arm, mechanism comprising change speed gearing connected to the portion of the shaft extending into the column, the said mechanism being adapted to rotate the shaft, a hand operated element adjacent the column between the column and spindle, and means providing an operative connection from the said element to the change speed mechanism whereby the element is adapted to shift such mechanism to vary the speed of the shaft.

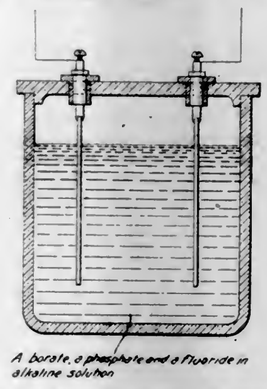
1,499,413. COMBINED SADDLE TRAVERSING AND LOCKING MECHANISM. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 8, 1922. Serial No. 550,813. 11 Claims. (Cl. 77—28.)



1. The combination of a support provided with a guideway thereon, a saddle slidably mounted on the guideway, and means on the saddle including a single handle for moving the saddle along the guideway and for clamping the saddle against such movement.

6. In a drilling machine, the combination of an arm, a saddle slidably mounted on the arm, a rack on the arm, a pinion on the saddle engaging the rack, a hand wheel operatively connected to the pinion for rotating the same, and means including a handle on the hand wheel for securing the saddle against movement on the arm.

1,499,414. ELECTROLYTE FOR ELECTROLYTIC CELLS. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1920. Serial No. 425,339. 8 Claims. (Cl. 175—315.)



1. An electrolyte for electrolytic condensers, lightning arresters, rectifiers, and the like comprising a boron compound and a phosphate.

1,499,415. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 25, 1918. Serial No. 246,649. 4 Claims. (Cl. 197—126.)

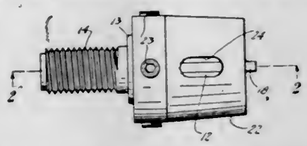


1. In a typewriting machine, the combination with a revoluble platen, of a letter-feeding carriage for said platen, said carriage having a rearward extension over which superposed webs are fed to the platen, a carbon-sheet-carrier reciprocable forwardly and rearwardly on said extension, holders extending from one side of said carrier between successive webs to hold the rear ends of carbon-sheets interleaved therebetween, and a manually-operable fastening device having two co-operating parts and mounted on the extension at the side thereof toward which said holders extend and at the rear of the rearward position of the carriage, the location of said co-operating parts being such that the adjacent margins of the webs pass therebetween and may be attached together by said device when desired, said holders being so short as not to reach said margins, whereby the attached portions of said margins may pass the ends of said holders without interference therewith, and relative creeping of said webs may be prevented.

1,499,416. COMPOUND TOOL. JOSEPH G. STECH, Berwyn, Ill., assignor to Woodrow Nipple Mfg. Co., Chicago, Ill. Filed Nov. 23, 1922. Serial No. 602,862. 3 Claims. (Cl. 77—73.)

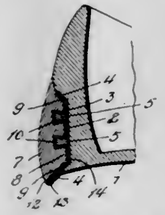
1. A tool comprising a reaming head tapering toward the front and rear and having slots in the forward part,

reaming, chamfering and finishing cutters removably mounted in said slots substantially filling the same and extending forward therefrom, a shell movable in a longi-



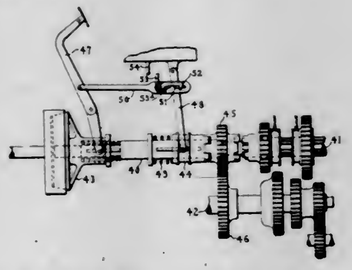
tudinal direction on said head, and fastening means rotatably mounted in said shell engaging the rear tapering part of said head rearward of said cutters.

1,499,417. ARTIFICIAL TOOTH. ADOLF STECKELMACHER, Eppingen, Germany. Filed Dec. 6, 1921. Serial No. 520,292. 2 Claims. (Cl. 32—9.)



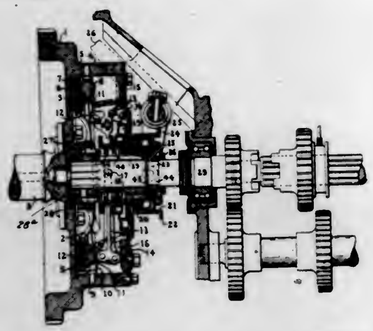
1. An artificial tooth including a chambered mounting comprising a back wall and top, side, and bottom walls extending continuously around and each projecting obliquely forwardly and outwardly from the margin of, the back wall, in combination with a tooth marginally beveled upon its posterior portion and fitting at said posterior portion snugly within the mounting, the tooth having a cavity opening upon its rear face, and means including a dowel fixed upon and projecting forwardly from the back wall of the mounting and into the cavity of the tooth for rigidly fastening the tooth to the mounting.

1,499,418. TRANSMISSION MECHANISM. WILLIAM CLIFFORD STEVENS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 1, 1920. Serial No. 420,934. 3 Claims. (Cl. 192—48.)



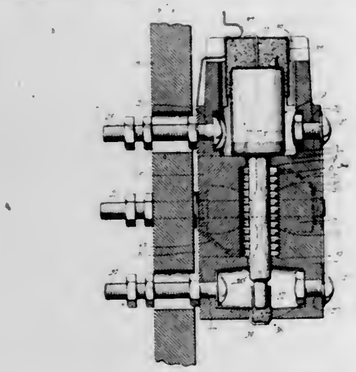
2. In a variable speed transmission in combination, speed change gearing and driving connections therefor including a releasable friction clutch and a releasable jaw clutch having its driving member connected to the driven member of said friction clutch and its driven member connected to said gearing, a spring associated with said jaw clutch to oppose release thereof and means for effecting release of said jaw clutch following release of said friction clutch and for insuring substantially instantaneous re-engagement of the former clutch under the action of said spring prior to resetting of the latter clutch.

1,499,419. CLUTCH MECHANISM. WILLIAM C. STEVENS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 31, 1920. Serial No. 434,202. 9 Claims. (Cl. 192—53.)



1. In a clutch unit, in combination a friction clutch having driving and driven friction elements, the latter element having a central opening therein, a shaft rotatable with respect to said latter element, a jaw clutch between said shaft and said driven friction element including co-operating jaw members, one being fixed to said shaft and the other being loose thereon, said latter jaw clutch member being arranged within the opening in said driven friction element and being splined thereto and common operating means for disengaging said friction clutch and said jaw clutch sequentially.

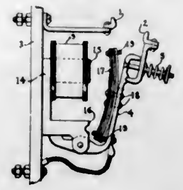
1,499,420. THERMALLY-CONTROLLED CIRCUIT INTERRUPTER. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 3, 1920. Serial No. 378,400. 20 Claims. (Cl. 200—122.)



1. In a circuit interrupter the combination with a control element comprising a container and a conductor therein which is fluid at working temperature and a heater adapted to subject said conductor to action of a fluid under pressure for effecting electrical discontinuity thereof, of means for delaying response of said element within a given range of variations of such influence.

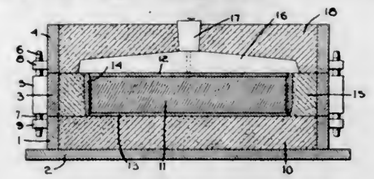
1,499,421. ELECTROMAGNETIC SWITCH. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 10, 1920. Serial No. 429,616. 6 Claims. (Cl. 200—87.)

3. In an electromagnetically operated device, in combination, a winding, an armature member to be attracted thereby and a core for said winding to be engaged by said armature member upon attraction thereof, said armature member including a plurality of yielding magnetic parts adapted to be arrested successively by said core.



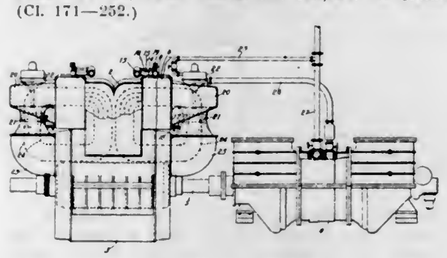
6. In an electromagnetically operated switch, in combination, co-operating stationary and movable contacts, an operating lever for the latter, and operating means for said lever including a winding, a magnet frame therefor and an armature for said winding secured to said lever and adapted to seal with said frame, said armature including a plurality of spring laminations arranged with their faces at substantially right angles to the line of travel of said arm and adapted to be flexed to different degrees upon attraction thereof.

1,499,422. CAST-METAL CUTTING DIE AND PROCESS OF PRODUCING THE SAME. JOHN E. SWANSON, Jamaica Plain, Mass. Filed Oct. 7, 1922. Serial No. 592,998. 6 Claims. (Cl. 22—190.)



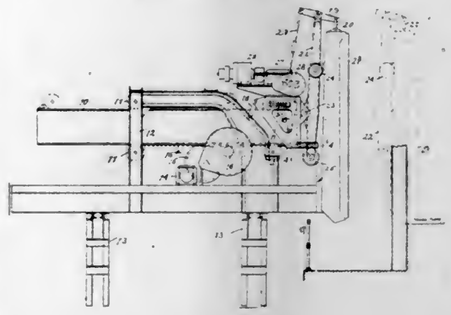
1. The process of moulding hollow articles which consists in placing in a suitable mould a templet having a contour conforming substantially to the inner wall or walls of the article, arranging upon said templet a series of juxtaposed units corresponding in cross section to like portions of the wall or walls of the article to be cast, filling the mould with sand, removing the templet, filling the space occupied by the templet with sand to form a core, withdrawing the units and pouring the molten material to form the article into the mould thus produced.

1,499,423. SYSTEM OF VENTILATION AND OPERATING MEANS THEREFOR. WILFRED SYKES, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1919. Serial No. 339,434. 3 Claims. (Cl. 171—252.)



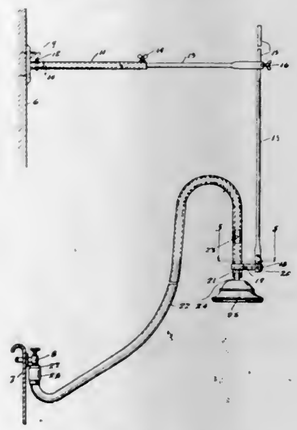
3. In combination, a machine of relatively large proportion adapted to be driven, an enclosing casing for said machine, means for propelling a cooling medium though said casing, means for driving said large machine comprising a turbine of relatively large proportions, and means for driving said air-propelling means comprising a turbine of relatively smaller proportions and having a smaller number of stages than said large turbine, the exhaust of said smaller turbine discharging into an intermediate stage of said larger turbine.

1,499,424. DOOR-SHIFTING MECHANISM. IVOR D. THOMAS, Cleveland Heights, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,477. 10 Claims. (Cl. 212—4.)



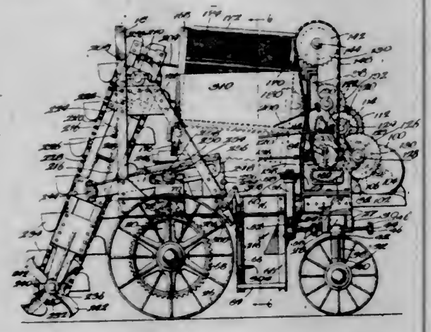
1. In a door shifting mechanism, a door shifting member movable toward and from an oven, an upright arm pivoted intermediate its ends to said member and provided with a lifter adapted to engage an appropriate part of the door, and abutments carried by the arm above and below the pivot thereof and adapted to engage the door.

1,499,425. SHOWER-BATH ARRANGEMENT. JOSEPH TOMASELLO, Chicago, Ill. Filed June 14, 1923. Serial No. 645,438. 4 Claims. (Cl. 4—154.)



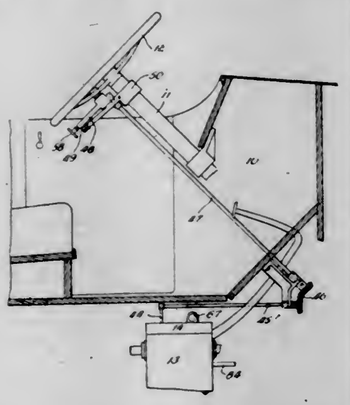
1. The combination with a bath tub, of a shower bath arrangement including a bracket provided with a stud; tubular supporting means adjustably embracing said stud; an extension member mounted for telescopic adjustment in said tubular means; a hanger rod mounted in the end of said extension member for vertical and rotational adjustment; a spraying nozzle having a flexible connection with a water supply; and a clamping member embracing said flexible connection and being detachably and adjustably secured to the lower end of said rod; substantially as described.

1,499,426. SAND CUTTING AND SCREENING MACHINE. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed May 12, 1920. Serial No. 380,714. 3 Claims. (Cl. 262—2.)



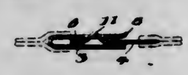
1. In mechanism of the class described, a supporting frame, an elevator mechanism pivotally mounted near the top of the frame so that its lower end can swing toward and from the frame, and a pair of rods on opposite sides of the elevator slidable approximately horizontally thru the frame, a rack on each rod, a shaft mounted in the frame having a pinion adjacent to each rack, a power shaft adjacent to the first mentioned shaft, a reversible friction drive mechanism between the power shaft and the first mentioned shaft, and means for selectively moving said friction drive mechanism to determine in which direction the power shaft shall move the first shaft and consequently the elevator, for the purposes set forth.

1,499,427. CONTROLLING MEANS FOR MOTOR-DRIVEN VEHICLES. WILLIAM E. TULLAR, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,710. 12 Claims. (Cl. 74—81.)



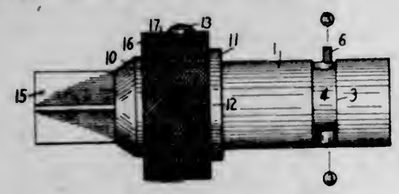
1. The combination of a clutch, speed changing mechanism, a pivotally mounted clutch operating lever connected with said clutch, a pivotally mounted speed changing lever connected with said speed changing mechanism, and a single pivotally mounted lever for operating said clutch operating lever and said speed changing lever and comprising an arm continuously engaging said clutch operating lever, the several levers having independent pivotal axes.

1,499,428. GARMENT FASTENER. IRA D. WAGNER, St. Louis, Mo. Filed June 2, 1923. Serial No. 642,962. 3 Claims. (Cl. 24—230.)



1. In a garment fastener, a pair of separable members, one of said members approximately U-shaped and having an aperture formed in one leg of the same, the second member comprising a plate having a tongue struck out of same, and a hump formed on said tongue to be received in the aperture in one leg of said U-shaped member while the plate engages the other leg of said U-shaped member for securely locking the two members together.

1,499,429. TUBE CUTTER. GUSTAV WIEDEKE, Dayton, Ohio, assignor to Gustav Wiedeke & Company, Dayton, Ohio, a Firm. Filed May 28, 1923. Serial No. 641,908. 12 Claims. (Cl. 81—194.)



1. A tube cutter comprising a body portion having a longitudinal bore and having circumferential slots near the respective ends thereof, said slots communicating with said bore, a tool mounted within said body portion and having a cutting edge extending into one of said slots and adapted to be projected beyond the outer surface of said body portion, a member rotatably mounted in said bore and so connected with said tool that the relative rotation of said member and said body portion will project and retract said cutting edge, a pin extending through the other slot in said body portion and operatively connected with said rotatable member, and a guard rotatably mounted on said body portion adjacent to said other slot and having an opening into which the outer end portion of said pin extends.

1,499,430. CLOTHES STICK. HERBERT B. WIEMELS, West Park, Ohio. Filed Sept. 11, 1922. Serial No. 587,404. 3 Claims. (Cl. 68—6.)

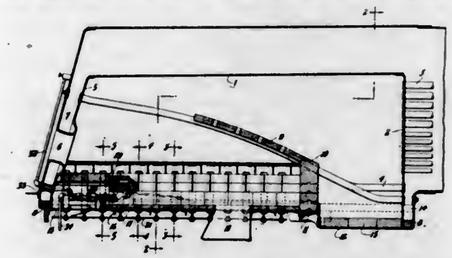


1. A clothes stick, comprising a metal union section having two parallel bores and a connecting web, and separate wooden sticks removably inserted into said bores and extending in opposite directions from said middle section.

1,499,431. FIRE-BOX STRUCTURE. ALFRED H. WILLETT, West New York, and HARRY S. MARTIN, Ridgewood, N. J., assignors to American Arch Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,491. 20 Claims. (Cl. 158—3.)

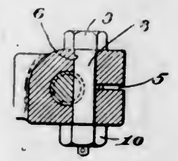
1. A fire box structure having within the fire box chamber a pair of longitudinally disposed refractory

walls constituting a flameway or trough, said walls being spaced away from the walls of the fire box chamber,



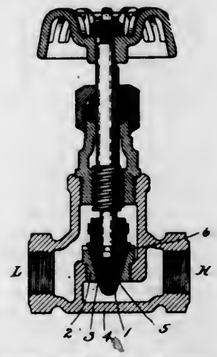
and a plurality of air passages in said walls extending upwardly and then laterally inward into the fire box chamber adjacent the flame stream.

1,499,432. ROD-SECURING MEANS. BELVIN T. WILLISTON, Somerville, Mass., and HOWARD E. EDDY, East Orange, N. J., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed June 2, 1921. Serial No. 474,448. 1 Claim. (Cl. 287—53.)



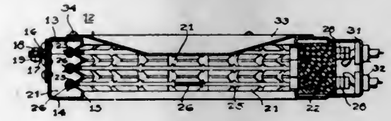
A device of the class described comprising a member constituting an element of a universal joint, said member having a part provided with an internally threaded circular bore and having a slot extending from the bore to its outer surface, the slot extending longitudinally of the bore, a torsion rod having a threaded extremity engaging the threaded bore in said part, and a binding bolt extending through said part transversely to the slot therein for drawing the opposite walls of the slot together to bind the rod in the threaded bore, said binding bolt engaging a notch in the circumferential surface of the threaded end of the rod positively to prevent rotation of the latter relatively to the part having the threaded bore.

1,499,433. THROTTLING VALVE. BELVIN T. WILLISTON, Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed May 15, 1923. Serial No. 639,084. 5 Claims. (Cl. 251—159.)



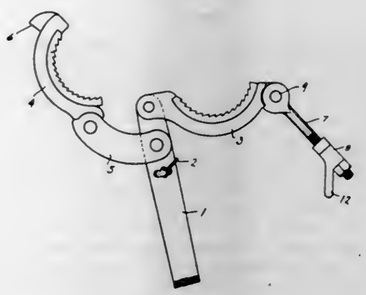
3. In a throttling valve, the combination of mutually fitting conical closure and seat members adapted to form a frusto-conical annular passage for fluid, the said passage characterized by a ratio of intake area to delivery area not substantially greater than $\frac{1}{2.25}$ and by a ratio of major diameter to axial length not substantially greater than $\frac{3}{2}$, the cone of the closure member being extended from the smaller end of the aperture and rounded at its extremity.

1,499,434. TUBING-HEAD HEATER. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Nov. 16, 1921. Serial No. 515,687. 4 Claims. (Cl. 219—19.)



3. In an electrically heated device for maintaining a predetermined temperature at the end of a tubing-machine head, in combination, a substantially circular metallic casing having an open inner surface, a plurality of refractory resistor-supporting members located in side-by-side relation in said casing, each of said supporting members having a plurality of grooves extending laterally therethrough on the inner surface thereof, a helically wound resistor-member extending through said grooves, a terminal block in said casing and extending outwardly therefrom, terminals mounted in said block, a cover member for said terminals, a reflector partly enclosing the outer lateral surface of said casing and means for securing said casing against said tubing-machine head.

1,499,435. TONGS. MILES F. YOUNT, Beaumont, Tex. Filed Aug. 13, 1923. Serial No. 657,028. 7 Claims. (Cl. 81—66.)

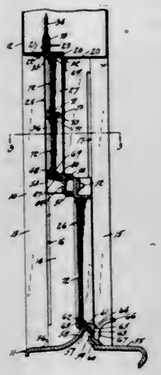


1. A tong latch including side bars, and an adjustable latch block mounted on said bars at one end thereof.

1,499,436. DOUBLE-HUNG STEEL SASH. MATHEW ZEMAN, Cleveland, Ohio. Filed Mar. 25, 1922. Serial No. 546,816. 3 Claims. (Cl. 189—66.)

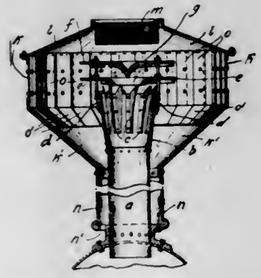
1. A sash embodying dividing rails each substantially T-shaped in cross section and one of which is continuous and provided in the stem portion thereof with an opening, the other of said rails being formed in sections,

the head portions of which have a jointed connection with the head of the continuous rail, the stems of said



sections being provided with projecting portions extending into said opening and maintaining the head portions thereof in alignment.

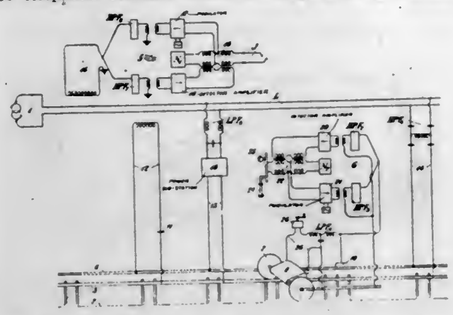
1,499,437. SPARK ARRESTER. RALPH ADAMS, Portland, Oreg. Filed Apr. 25, 1921. Serial No. 464,483. 8 Claims. (Cl. 183—102.)



1. In a spark arrester, a stack, spiral deflectors arranged longitudinally with, and on the interior of the upper end of said stack, thereby to impart a swirling motion to the discharged products of combustion before issuing from the stack, a horizontal deflector plate extending across the upper end of the stack but spaced therefrom, a smoke-bell encompassing the upper end of the stack, an annular cinder trap on the interior of the smoke-bell, said cinder trap comprising a series of vertically arranged, overlapped plates affixed to, but spaced from the interior of the smoke-bell and concentric with the axis thereof, said plates being arranged at an angle to the inner periphery of said smoke bell and extending a substantial distance below the discharge end of the stack, the top of the smoke-bell substantially closing the upper ends of the spaces behind said plates.

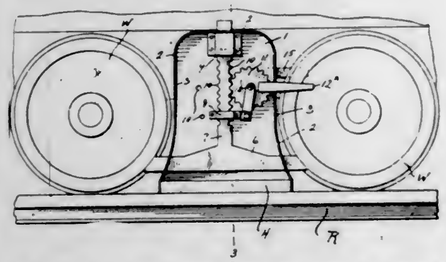
1,499,438. SYSTEM OF COMMUNICATION WITH MOVING VEHICLES. HERMAN A. APPEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 18, 1921. Serial No. 478,597. 2 Claims. (Cl. 179—2.)

1. In a system for communicating with moving vehicles, a high tension electric power line, a secondary distribution line associated with said high tension line, a moving vehicle having a connection from said secondary line to the telephone apparatus in said vehicle, a plurality of auxiliary circuits suitable for the transmission of telephone currents interconnecting said high tension



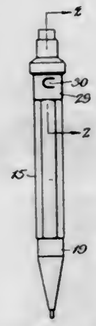
line and said secondary line at frequent intervals along the route of said lines, and means for applying telephone current to said high tension line.

1,499,439. CAR BRAKE. ALFRED R. ANDERSEN, Rock Springs, Wyo. Filed Mar. 17, 1923. Serial No. 625,829. 7 Claims. (Cl. 188—55.)



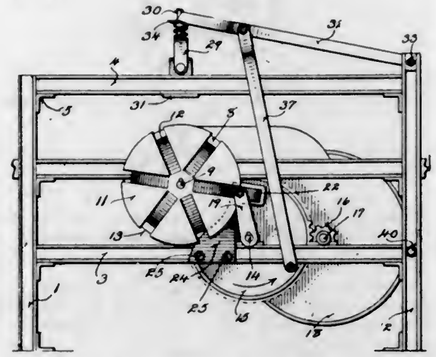
1. A brake of the class described adapted to engage a rail of a trackway and the wheels of a car traveling on said trackway to raise the adjacent side of a car, said brake being entirely separate from the car.

1,499,440. PENCIL. RAYMOND T. BELL, Chicago, Ill. Filed Jan. 9, 1922. Serial No. 527,979. 10 Claims. (Cl. 120—18.)



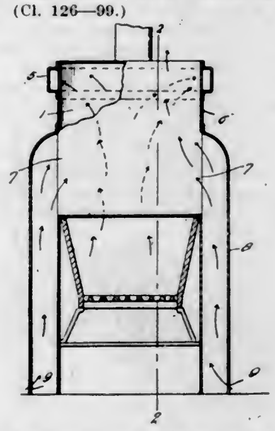
4. A pencil embodying a sheath, a collar secured about one end thereof, one or more laterally projecting lugs on the collar, a second collar encompassing the first recited collar and provided with bayonet slots opening through one end to receive the said lugs for rotatably and detachably securing the second recited collar, a cap for the end of the sheath, a portion of the cap encompassing the second recited collar, means securing the cap to the second recited collar for rotation therewith and with respect thereto, and a lead or crayon projecting element within the sheath and secured to the cap for rotation therewith, the said means embodying a spring tongue on the cap and a circumferential groove in the face of the second recited collar adjacent the cap and into which groove the said tongue projects.

1,499,441. INTERMITTENT FEED FOR MACHINES. LEWVEAN L. BOLSTEAD, Oconomowoc, Wis. Filed Nov. 23, 1922. Serial No. 602,836. 2 Claims. (Cl. 74—41.)



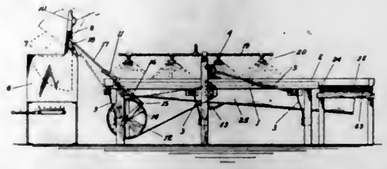
1. Mechanism for converting continuous rotary motion into intermittent motion comprising a revolubly mounted crank having a projection adjacent its outer end, a movably mounted member having a plurality of slots adapted to successively receive said projection during a portion of a revolution of said crank, and means, releasable by said projection, for locking said member when said projection is free from engagement with said member.

1,499,442. AIR HEATER. HOWARD E. BROWNING, Chester, Ill. Filed Feb. 18, 1924. Serial No. 693,680. 2 Claims. (Cl. 126—99.)



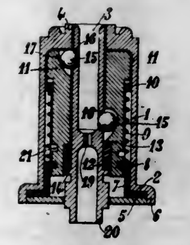
1. An air heater for use in conjunction with a furnace comprising pocket members having mouths adapted to be disposed above the fire pot of the furnace, the pocket members being spaced from each other and disposed in parallel relation, the pocket members being provided at their upper portions with outlet openings through which the products of combustion may make exit, a hood disposed over the pocket members and provided at its sides with openings, skirt portions depending from the hood and disposed over the openings therein and adapted to extend along the sides of the furnace, the said skirt portions being provided in the vicinity of their lower edges with air inlet openings.

1,499,443. FRUIT DIPPING AND CLEANING APPARATUS. FRANK CARPENTER CHAPMAN, Modesto, Calif. Filed Oct. 1, 1923. Serial No. 665,888. 9 Claims. (Cl. 146—196.)



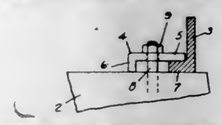
1. In a fruit cleaning apparatus, a shaker table on which the fruit to be cleaned is dumped, and a tray conveyor extending transversely of the table at one end thereof, said end being cut diagonally, the diagonal edge extending over a tray for the full width thereof.

1,499,444. SAFETY SPRING BARREL APPLICABLE TO LOCKS OR ANY KEY-LOCKING SYSTEM. PIERRE GUSTAVE CAILLOIS, Paris, France. Filed Jan. 4, 1923. Serial No. 610,680. 6 Claims. (Cl. 70—46.)



1. In a safety spring barrel for locks, the arrangement in the barrel of a key pipe capable of receiving longitudinal and angular displacements about its axis and having a central bore for receiving a key therein to permit of the pushing of the key pipe into the barrel, means on the key for angularly displacing said key pipe, a plurality of balls, the walls of the key pipe having orifices therein serving as housings for the balls, and means for independently pushing the balls toward the axis of the key pipe when the latter is longitudinally displaced.

1,499,445. LAMP-POST. JAMES S. CLAY, Indianapolis, Ind., assignor to Caldwell & Drake Iron Works, Columbus, Ind., a Corporation of Indiana. Filed Oct. 7, 1921. Serial No. 506,183. 5 Claims. (Cl. 189—28.)

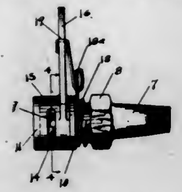


1. The combination with a hollow post having an inwardly directed flange, and a supporting base for the post, of a plurality of clips for clamping the post to the base each clip comprising a horizontal portion adjusted to extend over and engage said flange and having a portion for engagement with said base, and means fixed to said base adapted to clamp the clips on the flange.

1,499,446. COCK. JOHN C. CODE, Portland, Oreg. Filed Feb. 23, 1923. Serial No. 620,832. 2 Claims. (Cl. 251—149.)

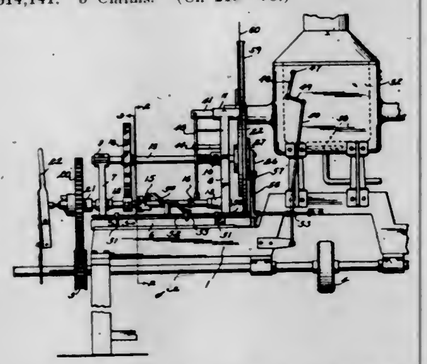
1. A cock having a cylindrical portion and an orifice opening upon said cylindrical portion; a cap rotatably mounted upon said cylindrical portion, and having a slot adapted to coact with said orifice to open the latter; a spring adapted to keep said cap in position closing

said orifice; an extension upon said spring adapted to produce a force upon said cap in a direction transverse



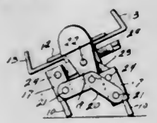
to the longitudinal axis of said cock; and a pin upon said cock projecting through said slot and limiting the angular movement of said cap.

1,499,447. MACHINE FOR CASTING LEAD SEALS. ORVAL G. COOK, Columbus, Ohio, assignor to The Muin-Cook Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Jan. 22, 1923. Serial No. 614,141. 5 Claims. (Cl. 219—58.)



1. In a machine for casting lead seals, a rotating disk having open ended molds formed therein, means for closing the ends of the molds, and means for discharging molten lead from one closing means into the molds and in opposition to the other closing means.

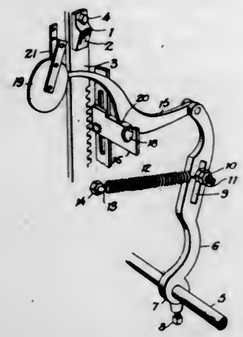
1,499,448. SKATE. WILBER D. CRAWFORD, Scottsbluff, Nebr. Filed July 3, 1922. Serial No. 572,458. 8 Claims. (Cl. 46—30.)



7. A skate having a forward pair of runners and a rearward pair of runners, upper and lower parallel links pivotally connected at their ends to said runners whereby the runners shall have parallel motion, and a body having arms pivotally connected to each of said pairs of links at the middle thereof.

1,499,449. STOP MECHANISM FOR LOOMS. CARL C. DORN, JOHN L. SMITH, and WILLIAM P. LEISTER, Wallhalla, S. C. Filed June 4, 1923. Serial No. 643,333. 7 Claims. (Cl. 139—340.)

1. In a loom a gear, means for automatically stopping said loom when a desired length of cloth has been woven, said means comprising a lever associated with the loom stopping mechanism, a retaining member for holding said lever out of stopping position, means actuated by the gear for tripping said lever, and yieldable means associated with said lever for moving it, when tripped, to actuate said loom stop mechanism, said retaining mem-



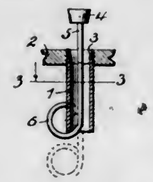
ber being adjustable, whereby it can be set so that said lever will be tripped when a predetermined length of cloth has been woven.

1,499,450. LAMP SUPPORT. NICKOLAS ENDRES, Scio, Oreg. Filed May 5, 1923. Serial No. 636,943. 2 Claims. (Cl. 240—61.)



1. On an automobile, a pair of concentric members, one rotating upon the other; means upon the extremities of the inner of said members to secure the same to the fender aprons of the automobile, said means being adjustable to the various angles of said aprons; yieldable coacting means upon said members to retain them in relative position, and to return them to said relative position after the outer of said members has been rotated; means to mount lamps upon said rotatable member; and means to operate said rotatable member from the driver's seat.

1,499,451. DRAIN VALVE. FRED H. ETZENHOUSER, Mount Washington, Mo. Filed Aug. 22, 1921. Serial No. 494,076. 3 Claims. (Cl. 251—135.)



1. A device of the kind described comprising a tube having a seat, and a longitudinally movable valve adapted to fit said seat and having a stem extending through the outer end of said tube, the outer portion of the stem having a transversely divided spring ring portion arranged to clampingly engage said tube for holding the valve in the open position, substantially as set forth.

1,499,452. CIGAR HOLDER AND ASH RECEIVER. IRA A. GAY, Chicago, Ill. Filed Jan. 19, 1921. Serial No. 438,434. 2 Claims. (Cl. 131—51.)

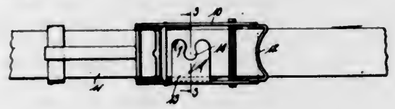
2. In an ash tray, the combination of a pocket, a receptacle removably fitting in the upper end of the

pocket and having an imperforate bottom wall spaced above the bottom of the pocket, and a bar extending



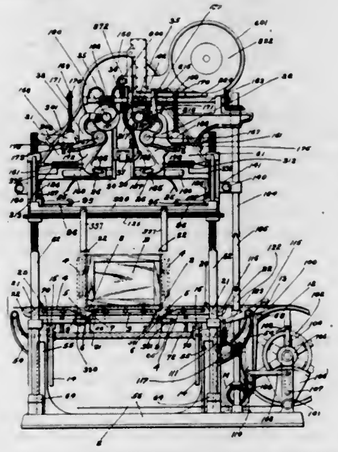
across the interior of the receptacle between opposite walls thereof dividing the receptacle into compartments.

1,499,453. BELT BUCKLE. JOE DE GROOTE, Pecatonica, Ill. Filed Oct. 26, 1923. Serial No. 670,912. 2 Claims. (Cl. 24—73.)



2. A belt buckle including a trousers engaging hook carried at one end and lying in a plane behind the buckle, and a button engaging clasp carried on the back of the buckle and spaced adjacent the other end thereof substantially as described.

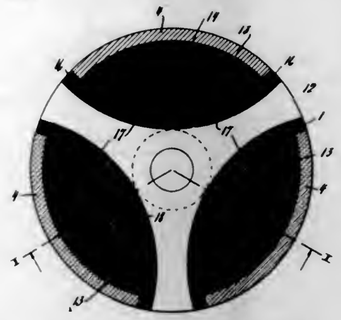
1,499,454. BOX-STRAPPING MACHINE. ARTHUR G. G. GUENTHER, Chicago, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 7, 1918. Serial No. 210,616. 59 Claims. (Cl. 100—31.)



1. A machine for use in strapping boxes including in combination means for stretching a metallic strap or binder applied about a box or package with the ends of said strap in mutually overlapped relation and in alinement, and means for joining the said overlapped strap ends by forming simultaneously therein interlocking tension resisting deformations.

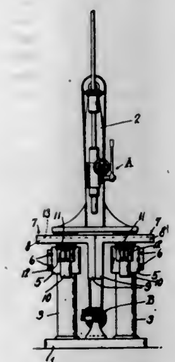
51. In apparatus of the class described and in combination means for applying a tension resisting binder about a box or package, and yielding means for stretching said binder.

1,499,455. IMPELLER FOR ROCK CRUSHERS. ALVAH D. HADSEL, San Francisco, Calif., assignor of one-half to Frederick N. Woods, jr., San Francisco, Calif. Filed June 4, 1923. Serial No. 643,458. 8 Claims. (Cl. 83—46.)



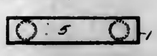
1. An impeller of the character described, comprising a rotary element formed to receive material centrally and to discharge the same peripherally and soft cushioning members within the same for guiding the material.

1,499,456. DRILL-PRESS TABLE. RICHARD A. HARTMANN, Hartford, Conn., assignor to H. S. & S. Manufacturing Co., Hartford, Conn. Filed Aug. 8, 1921, Serial No. 490,796. Renewed Nov. 19, 1923. 4 Claims. (Cl. 77—63.)



1. A table for drill presses comprising a pair of sections each consisting of an angle member having one leg horizontal and one leg vertical, and means to support said sections arranged to permit adjustment of said sections horizontally toward and from each other, adjustment of said sections vertically with respect to each other and adjustment of any side of one section in juxtaposition to any side of the other section and means to secure said sections in adjusted position.

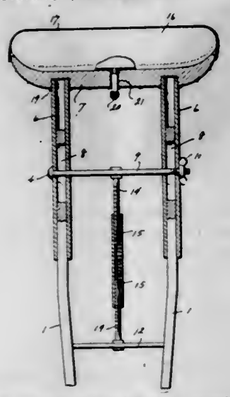
1,499,457. DEVICE FOR FREEING POINTS OF A PERFORATING RULE FROM PAPER OR ANY MATERIAL BEING PERFORATED. JOSEPH W. HEJDA, Virginia, Minn. Filed May 14, 1920. Serial No. 381,458. 1 Claim. (Cl. 164—98.)



A perforated attachment for printing presses, in combination with an ordinary perforated rule, a device comprising a base, a top bar, each having aligned counterbores, springs interposed between the two and exerting pressure outwardly, pins running transversely of the counterbore of the base for holding the springs in place,

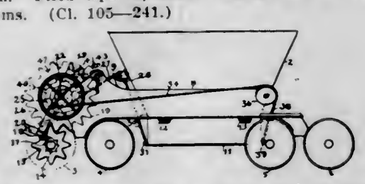
said bars adapted to be placed on each side of the rule in such a manner that when the pressure of the press is applied, the compressing of the device permits the perforated rule to perforate the paper, and immediately on releasing the pressure push the paper from the perforated rule.

1,499,458. CRUTCH. CHARLES B. HUGHES, New Orleans, La., assignor of one-half to Angelo J. Gumina, New Orleans, La. Filed May 26, 1923. Serial No. 641,676. 1 Claim. (Cl. 135—50.)



An extensible crutch comprising, in combination, a saddle, sleeves depending therefrom, crutch rods telescopically engaged within the sleeves, the inserted end portions of the crutch rods being provided with longitudinally disposed slots, a rod extending through the sleeves and through the slots of the crutch rods, said second named rod bridging the space between the sleeves, said second named rod being provided with means co-acting with the sleeves to hold the rod in a fixed position lengthwise of the slots of the crutch rods, a second rod connecting the crutch rods outwardly of the sleeves, and a turn-buckle connection between said last named rods.

1,499,459. DUMP CAR. JOHN JOHNSON, Iron River, Mich. Filed Apr. 2, 1921. Serial No. 458,169. 3 Claims. (Cl. 105—241.)



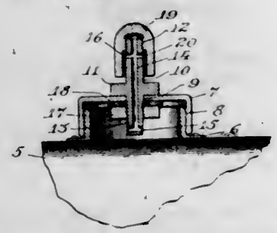
1. The combination with a dump car and the drop-door therefor, of a door-closing mechanism; means actuated by the wheels upon which the body of said car is mounted for actuating said mechanism and means rendering inoperative said door closing mechanism when the doors have reached their closed position.

1,499,460. BEARING FOR RIFLES. HUGH A. KENNEDY, Newport, Wash. Filed Sept. 7, 1922. Serial No. 586,685. 1 Claim. (Cl. 42—91.)



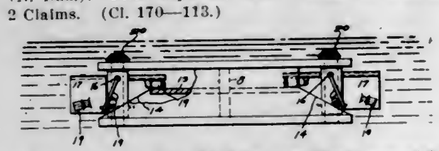
As a new article of manufacture, a device for facilitating the cleaning of gun barrels comprising a frusto-conical-shaped centering member for engaging the bore of the gun barrel, an elongated cylindrical bearing sleeve of the same diameter throughout its length formed on the tapered end of the centering member, the centering member and the elongated bearing sleeve having plain outer surfaces and a smooth longitudinally extending axially disposed gun cleaning rod receiving bore, and an annular flange formed on the enlarged end of the centering member for forming an anvil for facilitating the placing of the device in a gun barrel.

1,499,461. AIR VENT. ANTHONY J. KRUPPA, Chicago, Ill. Filed June 21, 1922. Serial No. 569,845. 2 Claims. (Cl. 220—44.)



1. An air vent comprising a cap, a member secured to said cap, said member having an aperture extending longitudinally thereof and terminating in oppositely disposed apertures at the lower end of said member, oppositely disposed apertures formed in the upper end of said member and communicating with said longitudinally extending aperture, and a head secured to said member having a channel communicating with the aperture in the upper end of said member.

1,499,462. FLUID-CURRENT MOTOR. LARS LARSEN, T. 132 N., R. 106 W. of the fifth principal meridian, (N. Dak.). Filed Sept. 28, 1921. Serial No. 503,915. 2 Claims. (Cl. 170—113.)

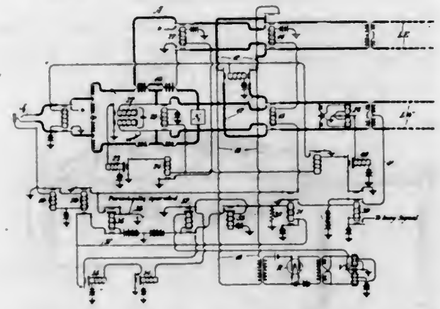


1. A device of the character described comprising spaced horizontally disposed top and bottom plates, a centrally disposed division wall extending longitudinally therebetween, vertical walls extending between the upper and lower walls at the front of the structure and disposed at an angle to form a substantially V shaped portion horizontally disposed walls extending between the upper and lower walls and outwardly from the central division wall upon each side thereof, vertical shafts journaled in the upper and lower plates outwardly of the last named horizontal walls, inclined portions at the rear end of said horizontal walls, radially disposed members traveling about the axis of each of the vertical shafts, wings pivoted to swing from vertical to horizontal and supported from said radial elements, and anti-friction element carried by said wings and disposed in position to engage said inclined portions ahead of any other portion of said wings and to be guided thereby into a substantially horizontal position as said wings travel around the inner sides of said shafts and along the last named horizontal walls, the rear ends of the vertical walls constituting the V shaped portion terminating in substantial longitudinal alignment with the centers of said shaft.

1,499,463. FURNITURE POLISH. ROLAND LEIS, Francesville, Ind. Filed Aug. 14, 1923. Serial No. 657,432. 1 Claim. (Cl. 134—24.)

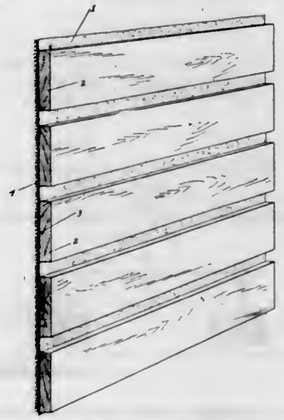
A furniture polish comprising linseed oil 72%, pure turpentine 15%, kerosene 10%, castor oil 2%, and raw umber 1%.

1,499,464. TRANSMISSION-REGULATING CIRCUITS. OWEN H. LOYNES, Woodridge, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 26, 1921. Serial No. 440,103. 16 Claims. (Cl. 178—44.)



1. A four-wire circuit comprising two lines for transmitting in opposite directions, means normally looping the lines together at their ends, terminal arrangements for connecting said lines with terminal two wire lines, and means responsive to the connection of said two wire lines with said terminating arrangements for opening said loop connections and connecting the lines of the four wire circuit with said terminating arrangements.

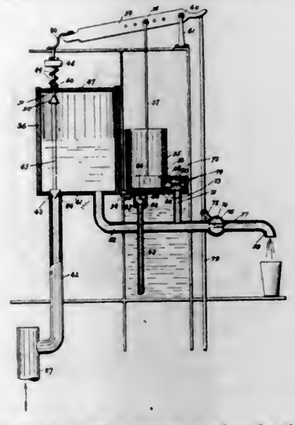
1,499,465. PLASTER LATH. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed Mar. 21, 1923. Serial No. 626,562. 6 Claims. (Cl. 72—116.)



1. A plaster lath comprising a plurality of spaced strips, a sheet of material on which the strips are mounted, and plaster holding means on the outer surface of said sheet.

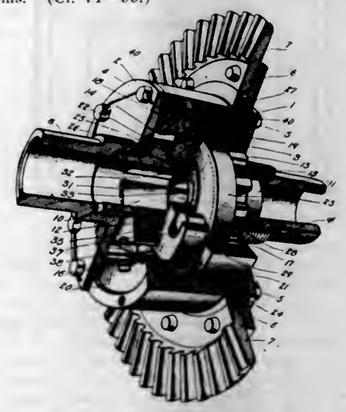
1,499,466. SODA-WATER FOUNTAIN. ALEXANDER S. MANDEL, New York, N. Y. Filed Aug. 21, 1923. Serial No. 658,592. 6 Claims. (Cl. 225—21.)

1. In a device of the character described, the combination with a syrup container, of an aerated water tank, a discharging pipe for said tank having a dispensing valve, a pump device comprising a cylinder having a piston head therein, inlet and outlet valves for said cylinder, a suction pipe extending from the syrup container to said inlet valve through which the syrup is drawn into the cylinder when the piston head is elevated, a discharge connection between said outlet valve and said discharging pipe through which to discharge the syrup into said discharging pipe when said piston head is lowered, and



means associated with said piston head and said dispensing valve for holding the piston head elevated when the dispensing valve is closed.

1,499,467. DIFFERENTIAL MECHANISM. CLARENCE F. MEAD, Los Angeles, Calif. Continuation of application Serial No. 643,274, filed June 4, 1923. This application filed Oct. 27, 1923. Serial No. 671,103. 12 Claims. (Cl. 74—99.)

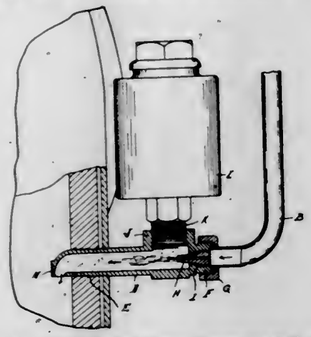


1. A differential mechanism comprising a rotatable housing, axle driving pinion gears mounted in the ends of the housing concentric to the axis of rotation of the housing, internally toothed rings mounted in the ends of the housing eccentric to and in mesh with the pinions, and members concentric with the rings and eccentric with the pinions, said members being effective to hold the housing, rings and pinions together against relative rotation when the housing overruns the pinions, and to permit the holding effect on one of the pinions and rings to be destroyed whenever that pinion overruns the housing so that differential action can take place.

1,490,468. LUBRICATOR. ELIJAH MCCOY, Detroit, Mich., assignor to Edwin C. Nagel, Detroit, Mich. Filed Oct. 2, 1922. Serial No. 591,977. 5 Claims. (Cl. 184—53.)

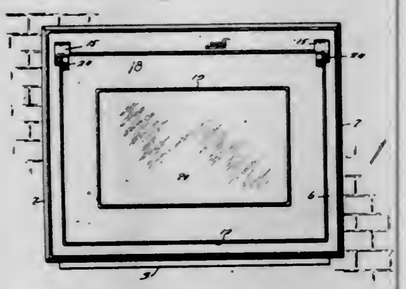
2. In a lubricator, the combination with a tallow pipe, a nozzle at the end of said pipe and a casing to which said tallow pipe is connected, of a fitting forming the attachment means between said tallow pipe and casing, said

fitting having a threaded portion for engagement with said casing, coupling means for attachment to the tallow



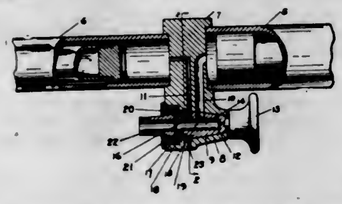
pipe, and an intermediate nipple between said nozzle and said casing for alternative engagement of a plug and an auxiliary lubricator.

1,499,469. COAL CHUTE. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Kentucky. Filed Sept. 28, 1923. Serial No. 665,484. 8 Claims. (Cl. 193—34.)



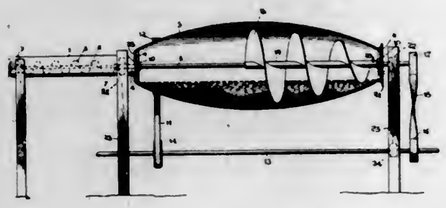
1. In a device of the character set forth, the combination of a chute, a door which when in a vertical position is arranged to close the chute, connections between the door and chute permitting the door to be swung from a vertical to a horizontal position and then slid into the chute, a latch carried by the edge of the door for locking engagement with a part of the chute when the door is in closed position, and a flexible element having connection with the latch and extending through suitable guides to a remote point from which the latch may be released by a pull upon the flexible element.

1,499,470. THROTTLE VALVE. WILLIAM G. NAISMITH, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Mar. 18, 1921. Serial No. 453,237. 9 Claims. (Cl. 251—95.)



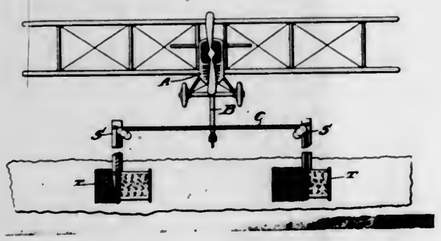
1. In apparatus of the character set forth, the combination with a valve casing having a fluid inlet and a fluid outlet, of a rotary valve therein, means for creating end thrust on the valve, and means independent of said fluid outlet for varying the force of the thrust when the valve is shifted to different positions.

1,499,471. ORE CONCENTRATOR. LEWIS HORACE PECK and WILLIAM ARTHUR OLSON, Delta, Utah. Filed Apr. 10, 1923. Serial No. 631,193. 4 Claims. (Cl. 83—86.)



1. An ore concentrator comprising a sand trough, a chute at the discharge end of the trough, a cylinder having an opening into which the chute discharges, a shaft extending through the cylinder, means by which it is supported, spiders carried by the cylinder having boxes furnishing bearing for the cylinder on the shaft, means for rotating the cylinder independently of the shaft, means for rotating the shaft in the opposite direction and at a different speed from that of the cylinder, a worm in the trough, means by which the worm is connected to the shaft, and a worm on the shaft in the cylinder adapted to agitate sand and move it toward the discharge end of the cylinder.

1,499,472. AIRPLANE-LANDING MECHANISM. HAZEN C. PRATT, Cambridge, Mass. Filed July 14, 1922. Serial No. 575,131. 16 Claims. (Cl. 244—2.)



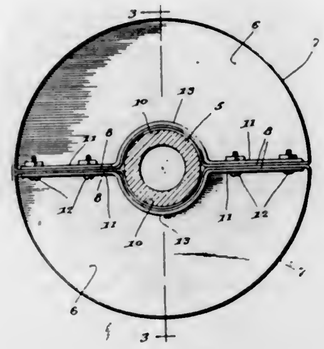
6. Air craft landing mechanism, comprising an engaging hook attached to the craft at a point in the rear of its center of gravity, and a guiding device to support said hook until detached by the landing mechanism.

15. The method of landing airplanes which consists in applying to such plane from a fixed retarding device at the landing surface while the plane is still in flight, a force which acts in the rear of its center of gravity and tends to maintain the plane in an upright position when it strikes the landing surface.

1,499,473. FLOWER BOX. DAVID PRICE, Buffalo Center, Iowa. Filed Dec. 21, 1920. Serial No. 432,261. 2 Claims. (Cl. 47—34.)

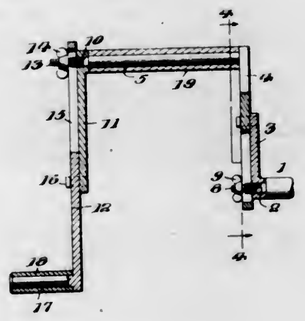
1. A flower box for verfical posts comprising sections having side walls, the ends of each side wall being overlapped at the point of engagement with the posts and being free from permanent connection with each other,

clamping straps extending along the upper edge portion of said side walls with their intermediate portions overlying the overlapped ends of the side walls of each sec-



tion, and bolts extending through the straps and the side walls to tightly engage the upper edge portions of the overlapped ends of the side walls with a post.

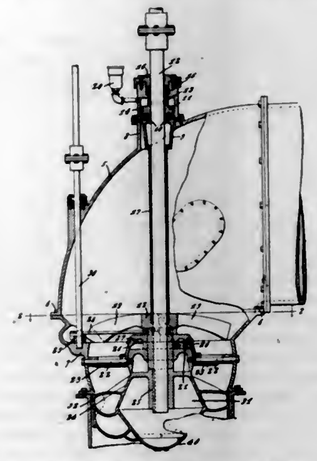
1,499,474. CRANK. RALPH H. PRICE, Crooksville, Ohio. Filed June 15, 1923. Serial No. 645,600. 2 Claims. (Cl. 74—33.)



1. In a crank, comprising a shaft having a square portion of reduced size formed on one end, a screw threaded extension formed on said reduced portion, an arm formed integral with the opposite end of said shaft, a second arm adjustably connected to the first mentioned arm, and a sweep mounted on the reduced square portion of the shaft and adjusted to various lengths.

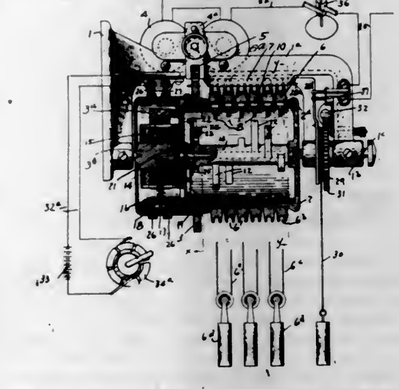
1,499,475. TURBINE WATER WHEEL. JOHN H. PRINCE, Valliant, Okla. Filed Dec. 8, 1921. Serial No. 520,952. 2 Claims. (Cl. 253—155.)

1. In a water motor, a casing, bearings supported within the casing, a water wheel within the casing, bolts extending through the casing, pivoted blades arranged above the wheel and mounted on the bolts for pivotal movement, a segmental rack disposed at an angle and carried by each blade, a ring gear disposed above the segmental racks and in mesh therewith, means having connection with the ring gear for moving the same to swing the pivoted blades on their bolts to regulate the



passage of fluid to the water wheel, and guiding blades arranged above the pivoted blades to direct fluid to the water wheel.

1,499,476. MEANS INDICATING AVERAGE RATE FLOW OF ENERGY. GEORGE E. QUINAN, Seattle, Wash. Filed Aug. 5, 1918. Serial No. 248,430. 12 Claims. (Cl. 234—5.5.)



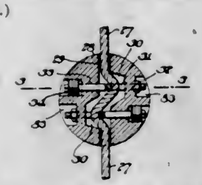
4. A meter comprising an indicating member, a rotating member responsive to the accumulations of units of a varying quantity, and a series of actuating members to actuate and operate the indicating member, said actuating members being normally movable with the rotating member, and being successively disconnected from the rotating member for a predetermined period thru the influence of a second varying quantity.

5. A meter comprising indicating means, a rotating element responsive to the accumulations of units of a varying quantity, and a series of actuating members normally clutched to the rotating member and adapted to operate the indicting means, the clutches of the actuating members being opened thru the influence of a second varying quantity for predetermined periods.

8. In a meter, an indicating means, a rotating element responsive to the accumulations of units of a varying quantity, a series of rings having clutch connection with the rotating element and adapted to successively actuate the indicating means, and means whereby said rings may

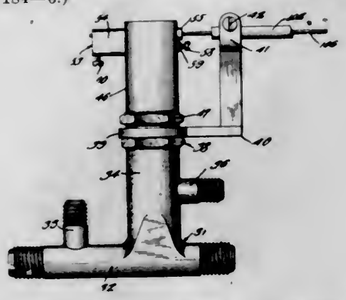
be successively disconnected from the rotating element for a predetermined period thru the influence of a second varying quantity.

1,499,477. CABLE ATTACHMENT. JAMES F. REILLY, Philadelphia, Pa. Original application filed Aug. 24, 1921, Serial No. 495,059. Divided and this application filed Sept. 13, 1923. Serial No. 662,404. 12 Claims. (Cl. 24—114.5.)



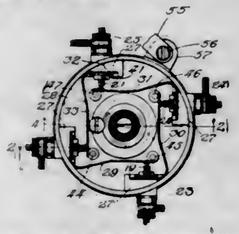
8. An attachment for hoisting and power cables and the like comprising a member adapted to be mounted upon the cable, said member having a hole extending therethrough and a plurality of recesses extending from said hole, a U-bolt arranged in conjunction with each of said recesses and adapted to deform the cable within said recesses, a reinforcing member bearing against said U-bolt, and means for securing said reinforcing member comprising a plug threaded in said member and bearing against said reinforcing block.

1,499,478. VALVE. JAMES K. ROBINSON, Jacksonville, Fla., assignor of one-fourth to S. S. Rickett and one-fourth to C. G. Robertson, both of Jacksonville, Fla. Filed Mar. 17, 1923. Serial No. 625,905. 3 Claims. (Cl. 184—6.)



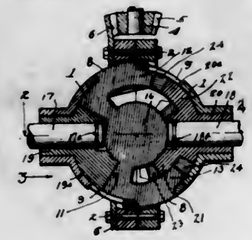
1. In a device of the class described, a tubular body so constructed that liquid may flow therethrough, the body having a supplemental outlet, a valve controlling the passage of liquid from the body through the outlet, yieldable means for holding the valve closed, and mechanism under the control of an operator, and independent of the spring means, for limiting positively the movement of the valve toward open position.

1,499,479. ELECTRICAL TIMING DEVICE. GUSTAF A. SAFSTROM, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 583,262. 5 Claims. (Cl. 200—27.)



2. In an electrical device, the combination of a support, a spring contact member, and a binding post forming a contact securing said member to said support and insulated from said member, said support being recessed to receive said member, with its walls so disposed as to position said member on said support out of contact with said post.

1,499,480. DIFFERENTIAL MECHANISM. FERDINAND W. SEECK, Lebanon, Oreg. Filed June 1, 1922. Serial No. 565,029. 14 Claims. (Cl. 74—7.)



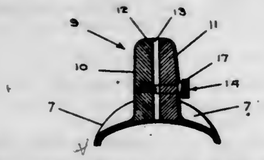
1. In a differential mechanism, a driven case, axle sections journaled in opposite sides of the case, an eccentric portion carried by each axle section, a transmission element located between the axle sections, coupling the eccentric portions thereof, the case and transmission element being respectively provided with slots and trunnions bearing in the slots, thereby permitting the transmission element rotary motion about an axis normal to and intersecting the line of said axle sections, and also oscillatory motion in the plane in which the axle sections and said normal axis lie.

1,499,481. APPARATUS FOR THE TREATMENT OF FLUIDS. EDWARD SHAW, Toronto, Ontario, Canada. Original application filed Jan. 25, 1918, Serial No. 213,756. Divided and this application filed July 24, 1919. Serial No. 313,124. 4 Claims. (Cl. 257—242.)



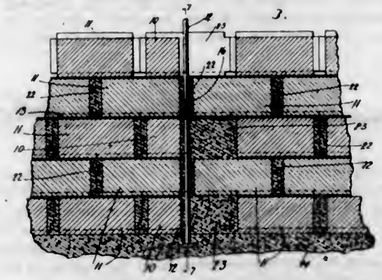
1. Apparatus for the treatment of fluids for the purposes described comprising a conduit having opposite walls corrugated to form a zig-zag passageway, the sides of the salient bends of the corrugations of one wall within the conduit meeting at such an angle as to form acute apices, the salient bends of the corrugations of both walls being in substantially longitudinal alinement with one another.

1,499,482. DENTAL TRAY. HENRY CHARLES SIMMONS, Atlanta, Ga. Filed July 19, 1922. Serial No. 575,967. 2 Claims. (Cl. 32—6.)



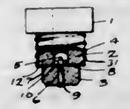
1. A dental tray having a handle, said tray and handle being divided, the handle sections having a tongue and groove at their adjacent sides extending longitudinally of the handle to fit together, and means for clamping the handle sections together.

1,499,483. WALL CONSTRUCTION. JAMES H. SIMMS, Beverly Hills, Calif. Filed Feb. 13, 1923. Serial No. 618,759. 3 Claims. (Cl. 72—30.)



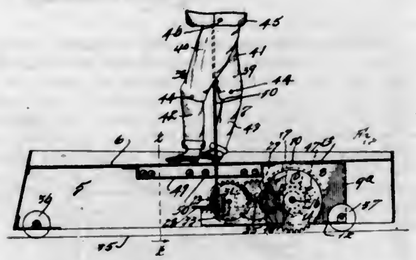
1. A reenforced block structure, comprising a series of spaced parallel reenforcing rods, and a plurality of courses of blocks, the courses being transverse of the reenforcing rods, and the blocks adjacent the reenforcing rods having grooves in their end surfaces to embrace the rods; the blocks of adjacent courses being laid in staggered relation, and the rod embracing grooves of blocks in one course being comparatively shallow and of blocks in an adjacent course being comparatively deep and reaching in depth from the end of the block to approximately its center.

1,499,484. FUSE PLUG. WENN L. SMITH, San Francisco, Calif. Filed Oct. 25, 1921, Serial No. 510,228. Renewed May 10, 1924. 2 Claims. (Cl. 200—130.)



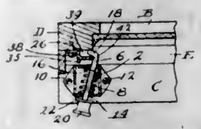
1. A device such as described comprising an externally threaded plug having a central bore therein; a fuse element arranged transversely in said plug and passing through said bore; a fuse binding element adapted to engage said fuse in said bore and a metal annulus adapted to engage the threaded portion of said plug and contact with the projecting ends of said fuse.

1,499,485. MECHANICAL TOY. FERDINAND STRAUSS, New York, and ALBERT DINGFELD, Brooklyn, N. Y., assignors, by mesne assignments, to said Strauss. Filed Feb. 23, 1922. Serial No. 538,425. 6 Claims. (Cl. 46—45.)



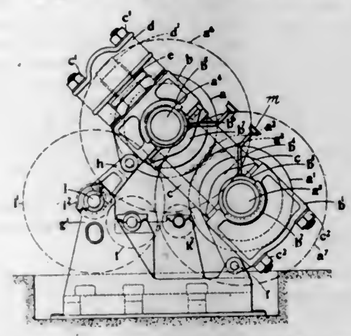
6. In a toy, a movable member, a figure mounted on said movable member, means for actuating said figure including a train of gears, and a motor to propel said movable member along a suitable support and to actuate said train of gears, said motor including a toothed gear and a spring to operate said toothed gear, one gear of said gear train being in mesh with said motor toothed gear, said motor toothed gear bearing directly on the support for said movable member, whereby said motor gear both acts to drive the gear train to actuate said figure and simultaneously acts as a traction agent on said support to propel said movable member.

1,499,486. SASH FASTENER. WILLIAM STRICKER, Kansas City, Mo. Filed Sept. 23, 1922. Serial No. 590,141. 3 Claims. (Cl. 299—262.)



1. In a sash fastener, a flange spaced from the upper sash, means for securing said flange to the upper sash, a housing fixed to the lower sash, a bolt slidably and laterally movable in said housing and adapted to engage the lower end of the flange to lock the sash in closed position, or be adjusted laterally to slide against the free margin of the flange when the sash are partly opened, a laterally projecting hook on the forward end of said bolt to traverse the space between the flange and the upper sash, and a stop at the upper portion of the flange arranged in the path of said hook to limit the opening of the sash.

1,499,487. MACHINE FOR COMPRESSING OR BRIQUETTING COAL OR OTHER MATERIAL. EDGAR ROUSE SUTCLIFFE, Leigh, England. Filed Dec. 22, 1923. Serial No. 682,266. 4 Claims. (Cl. 25—77.)



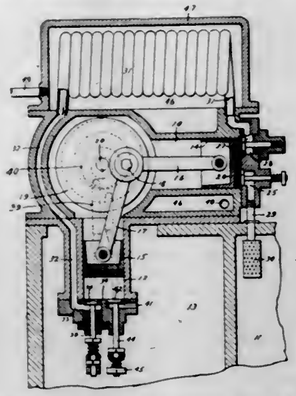
1. A compressing or briquetting machine, comprising in combination a pair of coacting rolls, housings supporting the said rolls, means for applying pressure between the said rolls, tension elements upon which the said housings together with the said rolls are relatively movable and through which pressure is applied, driving gear by which both rolls of the said pair are driven, and means comprising links for permitting in the operation of the machine the relative movement of the said housings together with their rolls, substantially as described.

1,499,488. SHOE-STIFFENING MATERIAL. CHARLES E. SWETT, Boston, Mass., assignor of one-half to Harry H. Beckwith, Brookline, Mass. Filed Oct. 14, 1921. Serial No. 507,758. 4 Claims. (Cl. 91—68.)

1. A shoe stiffener consisting of a fibrous body impregnated with a stiffening agent adapted to be softened or liquefied by the application of heat and to become stiff and resilient when set, and having a flexible surface coating of a heat-resistant stiffening material.

4. The herein described process which comprises treating a fibrous material with a stiffening agent adapted to be softened or liquefied by the application of heat and to become stiff and resilient when cold, coating the impregnated material with an additional stiffening agent consisting of a colloidal material resistant to such heat, and cutting the fibrous material into blanks having skived edges.

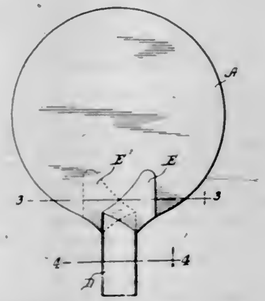
1,499,489. REFRIGERATING APPARATUS. RAYMOND W. TIBBETTS, Pawtucket, R. I. Filed July 3, 1919. Serial No. 308,397. 6 Claims. (Cl. 62—95.)



1. A refrigerating apparatus of the class described having means for compressing and expanding air, the air expanding means having a cold air exhaust port and automatic means for compressing and expanding air, the air expanding means having a cold air exhaust port and automatic means for dislodging ice from such port.

6. A refrigerating apparatus having a cylinder with a motor-driven piston, a motor, a fluid supply pipe having a valve, motor-controlled means to open and close the valve comprising an endless transmitting band actuated by the motor, and a part connected with the movable member of the valve resting in contact with one of the band runs, said band run being slack when the motor is not operating and allowing movement of the movable valve member to close the valve.

1,499,490. FAN. EDWARD WEIL, Brooklyn, N. Y. Filed Mar. 7, 1922. Serial No. 541,729. 2 Claims. (Cl. 230—33.)



1. As a new article, a fan embodying a body portion, a handle integral therewith, and a plurality of wings extending from the handle into overlapping relation to the body on the respective faces thereof, said wings contacting with the body adjacent the union with the handle and said wings extending in opposite directions from an axial line intersecting the handle and the body.

1,499,491. SCREW DRIVER. PETE WEISSBECK and LEE TIBBALS, Kansas City, Mo. Filed May 5, 1923. Serial No. 636,877. 1 Claim. (Cl. 145—50.)

In a screw driver, a handle, a blade connected to the handle and having a bore extending longitudinally and communicating with a slot extending through the outer end thereof, a gripping bar mounted in the bore and having a portion disposed in the slot and adapted to be disposed in the plane of the blade or to be rotated so as to have corners thereof project beyond the sides of the blade, the inner end of the bar being provided with a laterally extending screw connected thereto, a coil spring embracing the blade and having one end secured

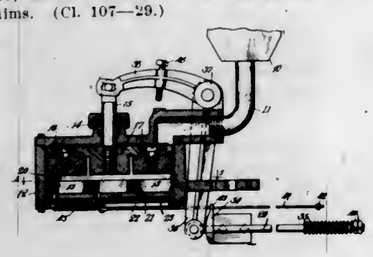


to the laterally extending screw, a casing carried by the handle and enclosing the coil spring and the casing having an L-shaped slot provided therein and an operating pin mounted in the L-shaped slot of the casing and connected to the end of the coil spring opposite to that connected to the screw whereby movement of the pin controls the position of the gripper bar.

1,499,492. PREPARATION OF ARTIFICIAL BASE-EXCHANGING BODIES. OSWIN W. WILLCOX, Ridgewood, N. J., assignor to American Zeolite Corporation, Paterson, N. J., a Corporation of New York. Filed Feb. 19, 1920. Serial No. 359,843. 14 Claims. (Cl. 23—13.)

1. The process of making base-exchanging substances of maximum content of exchangeable base which consists in mixing dilute aqueous solutions of a salt of an amphoteric metal in which the metal acts as a base and an excess, beyond that required for neutrality, of an alkali silicate to produce a precipitate, drying the precipitate and quenching the dried precipitate in a solution capable of yielding an alkali metal oxide to the product.

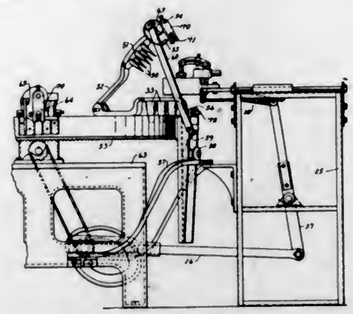
1,499,493. FEEDING MECHANISM. SAMUEL E. WINDER, Chicago, Ill., assignor to Novelty Products, Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1919, Serial No. 343,274. Renewed Oct. 1, 1923. 4 Claims. (Cl. 107—29.)



1. Feeding mechanism comprising a closed casing, a plurality of cylindrical chambers in the bottom of said casing, each of said chambers having an outlet in the bottom thereof, a plate movably mounted in said casing, a plurality of pistons fixed to said plate, the respective pistons registering respectively with said chambers, said plate having openings therethrough between said pistons, means for passing a semi-liquid substance into said casing above said plate, means for reciprocating said plate vertically, and means for opening and closing said outlets.

1,499,494. MOLDING AND BAKING MACHINERY. SAMUEL E. WINDER, Chicago, Ill., assignor to Novelty Products, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 13, 1920. Serial No. 365,424. 3 Claims. (Cl. 107—581.)

1. Mechanism for molding and cooking semi-liquid substances comprising a plurality of molds, a plunger for each of said molds adapted to be forced into said molds, means for locking said plungers in said molds, means for unlocking said locking means and for elevating said plungers from said molds, said locking means comprising a pivoted hook member adapted to be rotated by said unlocking means, and a shoulder formed on said hook member adapted to break the plungers away from the cooked substance.



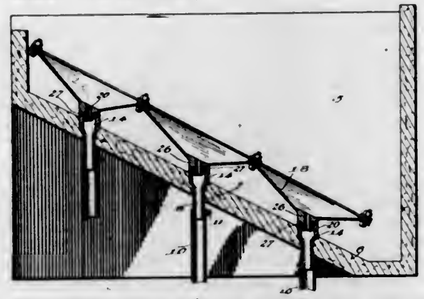
2. Mechanism for molding and cooking semi-liquid substances comprising a plurality of molds, a plunger for each of said molds adapted to be forced into said molds, means for locking said plungers in said molds, means for unlocking said locking means and for elevating said plungers from said molds, a rotatable member, said locking means comprising a hook fixed to said rotatable member said rotatable member being adapted to be rotated by said unlocking means, said member having a stop thereon adapted to come in contact with said unlocking means and to prevent further rotation of said member when said hook is unhooked, whereby said unlocking means then elevates said plungers.

1,499,495. SANITARY BATHING APPLIANCE. CHARLES H. WINDSOR, Palmyra, N. J. Filed Aug. 25, 1922. Serial No. 584,278. 12 Claims. (Cl. 4—166.)



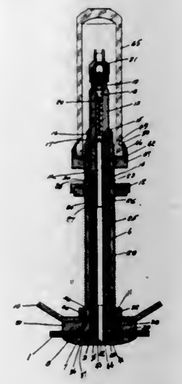
1. In a bathing appliance, the combination of a bowl supporting ring, and vertically offset supports projecting laterally from said ring, the vertical sections of said supports being spaced from said ring to provide clearance for a bowl flange.

1,499,496. AIR PAN. ERIC HERMAN ANDERSON, Magna, Utah. Filed Jan. 30, 1923. Serial No. 615,945. 5 Claims. (Cl. 261—102.)



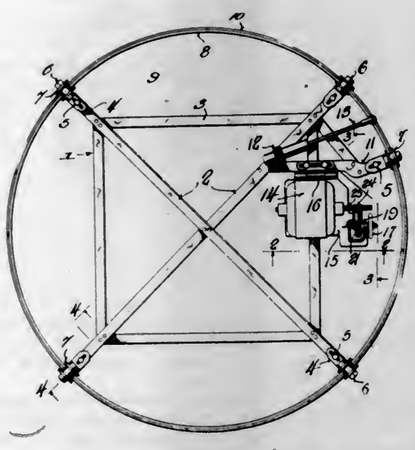
1. An apparatus for use in the flotation process which consists of a cell having a bottom provided with openings, bushings extending through said cell and having their upper portions flared, and an air pan having nipples exteriorly tapered and received within the flared portions of said bushings.

1,499,497. PRESSURE GAUGE FOR TIRES. ALFRED BADOWSKI, Charleston, W. Va., assignor to Tirometer Valve Corporation of America, Charleston, W. Va., a Corporation of West Virginia. Filed Jan. 22, 1921. Serial No. 439,066. 1 Claim. (Cl. 152—11.5.)



In a pressure gauge for tires the combination with a sleeve having a head at its inner end; an inwardly opening socket in the head; a plunger slidingly mounted in the sleeve; a tube secured to the plunger; an anchor piece inserted into the socket to which the tube is secured; a gasket seating on the anchor piece and engaging the peripheral walls of the socket, of a shoulder on the anchor piece extending into the center of the gasket; and a nut arranged in the socket and operating against the gasket to seal the gasket against the anchor piece and the peripheral walls of the socket.

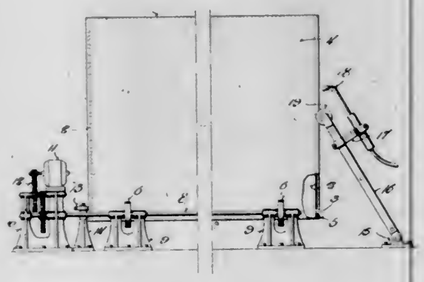
1,499,498. WELDING MACHINE. EDGAR A. BIENENSTOK, Milwaukee, Wis., assignor to Milwaukee Tank Works, Milwaukee, Wis. Filed July 2, 1923. Serial No. 649,016. 5 Claims. (Cl. 113—59.)



1. In a seam welding machine, the combination of a motor driven friction wheel engaging the article to be

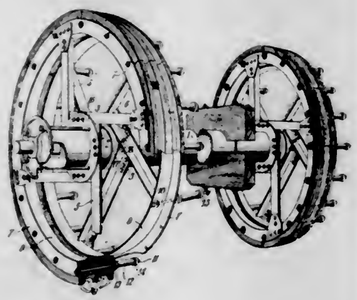
welded for obtaining relative movement between the welding torch with said article, and means connected with the welding torch for guiding the same in proper alinement with the seam.

1,499,499. WELDING MACHINE. EDGAR A. BIENENSTOK, Milwaukee, Wis., assignor to Milwaukee Tank Works, Milwaukee, Wis. Filed July 2, 1923. Serial No. 649,017. 2 Claims. (Cl. 113—59.)



1. In a seam welding apparatus the combination of, means for imparting movement to the article to be welded, a pivotally anchored arm, a grooved roller carried by said arm and engageable with the edge of said article, whereby the arm is guided with relation thereto, and a welding torch carried by said arm.

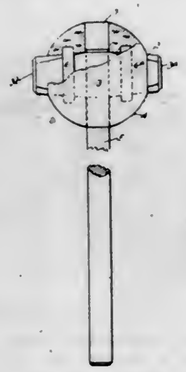
1,499,500. BULL-WHEEL STRUCTURE. RICHARD R. BLOSS, Columbus, Ohio, assignor to The International Derrick & Equipment Company, Columbus, Ohio, a Corporation of Ohio. Filed Feb. 6, 1922. Serial No. 534,468. 10 Claims. (Cl. 64—17.)



1. In bull wheel structure, a wheel comprising independent separately supported units, the outer portions of each unit being bodily movable to accommodate cant structures of different widths.

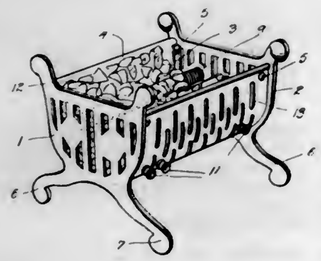
7. In bull wheel structure, a tubular shaft, a tapered circular gudgeon having a telescoping contact within one end of said shaft and means positioned outside of said tubular shaft and connecting said gudgeon and said shaft for maintaining said telescoping relation by tension stresses.

1,499,501. HAMMER. ROBERT O. BOYKIN, Rogue River, Oreg. Filed July 23, 1923. Serial No. 653,294. 6 Claims. (Cl. 145—29.)



1. In a hammer, an eye for said hammer, a handle for said eye, a striking face on said hammer, a spherical mass of resilient material surrounding the body of said hammer and securely retained in place and leaving said striking face exposed.

1,499,502. ELECTRIC GRATE. JAMES H. CARMEAN, Kansas City, Mo. Filed Nov. 30, 1923. Serial No. 677,691. 1 Claim. (Cl. 219—34.)

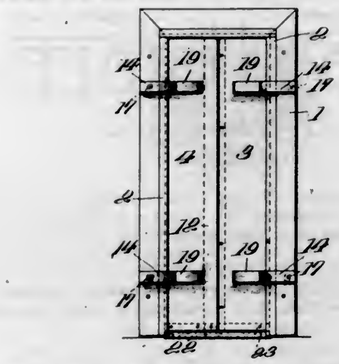


A heater comprising a receptacle having two duplicate ends, each having an inwardly projecting lug, a heater element comprising a tube receiving the ends of said lugs, means for fastening the two ends together to cause the lugs to engage the heater element and coarse loose material surrounding the heating element.

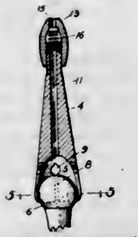
1,499,503. CLOSURE FOR COLD-STORAGE COMPARTMENTS. BENJAMIN J. CLARK and JOHN HUHN, Baltimore, Md., assignors to American Ice Company, Baltimore, Md., a Corporation of New Jersey. Filed Dec. 7, 1923. Serial No. 679,162. 3 Claims. (Cl. 20—16.)

1. A closure for a cold storage compartment including a doorway frame, doors for closing said doorway hinged to said frame so that said doors may swing into the compartment, yielding means for normally holding the doors closed, guides secured to the door frame and projecting

inwardly into the doorway, said guides being curved outwardly from said position to a position considerably beyond the doorway whereby moving articles may be directed into the doorway and against the doors for opening the same.

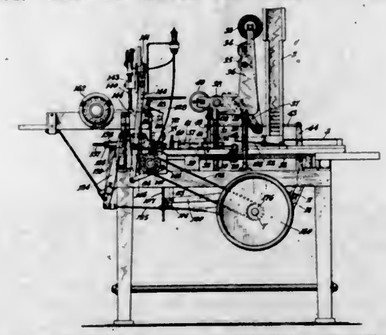


1,499,504. NECKWEAR CONTRIVANCE. MAX COLTON, San Francisco, Calif. Filed Dec. 24, 1923. Serial No. 682,414. 2 Claims. (Cl. 24—40.)



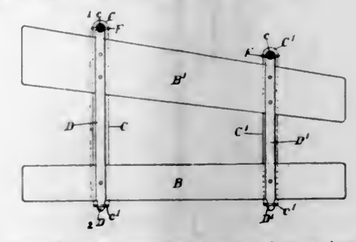
1. A neckwear contrivance comprising a slender body and a nut, said body having means at an end thereof to carry a coil-spring and threads adjacent said end for the reception of said nut, the said body and nut having a bore therethrough to engage the shank of a scarf pin, the nut adapted to envelop and compress the spring against the shank in holding relation, and the nut provided with an upset tongue to prevent its disengagement with said body when the scar pin is released.

1,499,505. MACHINE FOR WRAPPING AND SEALING METAL FOIL. EDWIN JEROME CONLEY, New York, and EDWARD JAMES WHALEN, Howard Beach, N. Y., assignors to The Conley Foil Company, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1922. Serial No. 556,952. 48 Claims. (Cl. 93—2.)



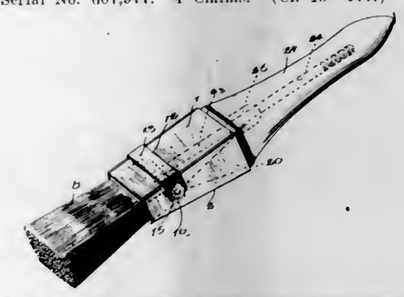
1. A machine for the purpose described comprising the combination of means for advancing a package into a sheet of foil, means for folding the foil against the package to provide overlapping edges, and fusing irons positioned to move against the said foil edges after the package has left the said folding means.

1,499,506. TROUSERS PRESS. JOHN WILLIAM COOPER, Kingston-upon-Hull, England. Filed July 10, 1923. Serial No. 650,634. 1 Claim. (Cl. 100—57.)



A trousers press, comprising opposed press boards, bars secured to the press boards and projecting over their side edges, the said bars having at one side of the press means for slidably engaging with each other to prevent the press boards from being moved apart, screws secured to the projecting end portions of certain of the bars at the other side of the press and projecting through openings in the bars opposite to them, and nuts screwed on the said bolts and operating to clamp the bars together, with the trousers between the press boards.

1,499,507. BRUSH. RICHARD H. CRUMMETT and JOSEPH B. WAGGONER, Monterey, Va. Filed Dec. 20, 1922. Serial No. 607,977. 4 Claims. (Cl. 15—177.)

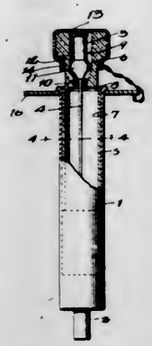


4. In a brush, bristles folded intermediate their ends to provide two similar return portions, a bristle holder comprising two separate sections, a rod extending through the bent portion of the bristles between the return portions of the latter, said bristle holder sections having means with which the ends of the rod are releasably engageable to pivotally connect said sections together intermediate their length and to maintain the bend portion of said bristles between the forward portions of the bristle holder sections, a wedge member insertable between the rear portions of said sections to cam the latter apart and to thus cause the forward portions of said sections to grip said bristles, said wedge member having a bore extending longitudinally therethrough, a second rod extending through said bore and having a hooked end engageable with said first named rod, and a handle adjustably engageable with the outer end portion of said second named rod and adapted to abut said wedge at the outer end of the latter.

1,499,508. HYPODERMIC SYRINGE. HERBERT C. DEANE, Shoshone, Idaho. Filed Apr. 7, 1923. Serial No. 630,526. 4 Claims. (Cl. 128—220.)

1. In a syringe, a plunger hollow for part of its length and being open at one end thereof, a stopper closing the hollow plunger at a point adjacent to the open

end of the latter, said stopper being made of a material adapted to be pierced by the needle of the syringe, and



a spring cap engageable with the plunger at the open end of the latter for retaining the needle within the plunger.

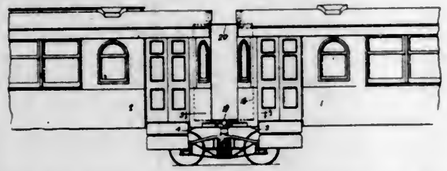
1,499,509. METHOD OF AND APPARATUS FOR REMOVAL OF FLUIDS FROM WELLS. IRWIN L. DUNN, Marietta, Ohio. Filed Oct. 19, 1922. Serial No. 595,526. 9 Claims. (Cl. 166—3.)



1. An apparatus for removing oil from wells comprising a pipe for conveying a pressure medium into the well, a discharge pipe adapted to extend into the well and the oil therein and having an orifice for the admission of a minor portion or volume of the pressure medium and an exhaust pipe adapted to communicate with the interior of the well to draw off the major volume or portions of the pressure medium after an oil discharging operation in the well.

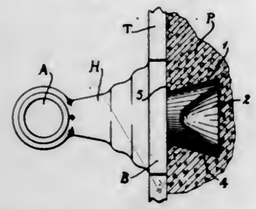
1,499,510. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 8, 1923. Serial No. 617,662. 11 Claims. (Cl. 105—3.)

1. The combination with two adjacent cars and a supporting truck common to both cars and to which they are articulated, of a vestibule unit comprising a separate closure adapted to ride on the adjacent platforms of such



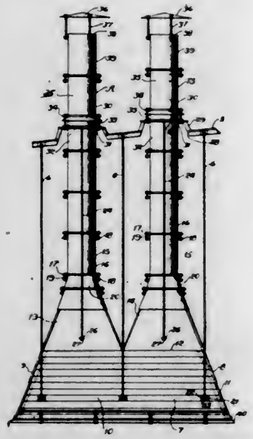
cars and supported on said truck through the intermediary of said platforms, and having door ways through opposite portions of the side walls.

1,499,511. PORCELAIN WALL FITTING. WILLIAM ELSTEIN, New York, N. Y. Filed May 9, 1922. Serial No. 559,683. 10 Claims. (Cl. 72—101.)



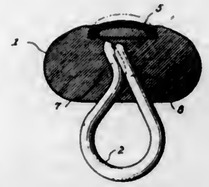
1. A wall fixture comprising, an anchorage member, a base member, and a holder; the anchorage member being adapted to be embedded in the plaster of the wall and the base member being formed to become a part of the wall with its outer surface flush with the outer surface of the wall and cooperate with the anchorage member for maintaining the device in operative position.

1,499,512. SMOKEJACK. ARTHUR J. FILKINS, Riverside, Ill. Filed July 17, 1922. Serial No. 575,674. 4 Claims. (Cl. 104—52.)



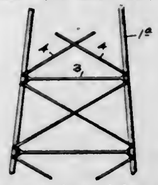
1. A smokejack including a plurality of stacks passing through the roof of a roundhouse, and an elongated hood arranged to extend some distance over a track and with said stacks communicating with the interior of said hood, said hood having an unobstructed interior whereby any smoke entering said hood may be withdrawn through said stacks, and means depending from the roof and engaging said hood for supporting said jack in position in the roundhouse.

1,499,513. BUTTON. JULIUS FISCHL, New York, N. Y. Filed Jan. 23, 1924. Serial No. 688,076. 4 Claims. (Cl. 24—90.)



1. A button comprising a body portion, a shank with a portion thereof imbedded in said body portion, and a reinforcing structure imbedded in said body portion in a manner to strengthen the button in the region weakened by imbedding the portion of said shank therein.

1,499,514. DERRICK STRUCTURE. ALEXANDER FRANCE, Mars, Pa. Filed Aug. 17, 1922. Serial No. 582,526. 2 Claims. (Cl. 189—19.)



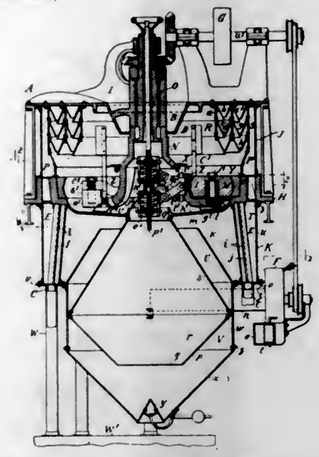
1. A derrick structure formed by the combination of corner posts girds and braces, the girds being formed with terminal truss-forming bifurcations, and each gird at each end being assembled with two braces and the whole secured to the corner post by a belt through each bifurcation of the gird and through one of the two brace members.

1,499,515. AIR AND OTHER SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Filed July 19, 1917, Serial No. 181,538. Renewed Oct. 3, 1923. 24 Claims. (Cl. 83—40.)



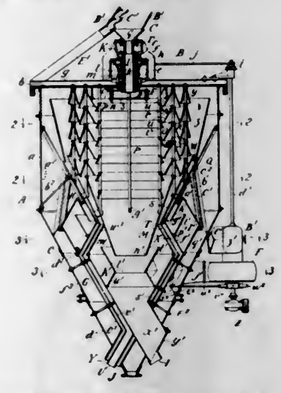
1. In combination, a casing affording a separating chamber, means within said casing partitioning said chamber, and affording an endless current passage therein, means for causing material to descend across said passage in a downward path, means below said partitioning means for causing a fluid current to flow through said passage across said path to float fine material therefrom, means in said passage beyond said path for separating fine material from said current, means affording a return conduit communicating between said separating means and the other side of said path for returning said current to the other side of said path, and means affording a coarse outlet for coarse material below said path.

1,499,516. PULVERIZING MILL. GEORGE HOLT FRASER, Brooklyn, N. Y. Filed Apr. 30, 1918, Serial No. 231,599. Renewed Sept. 25, 1923. 35 Claims. (Cl. 83—45.)



1. In combination, a pulverizer, a main frame or casing, a plurality of annular deflectors within said casing, means exhausting air from said casing outwardly of said deflectors, means filtering such air, and means returning the air inwardly of said pulverizer into said casing inwardly of said deflector.

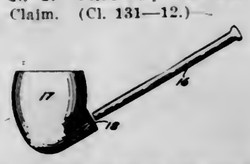
1,499,517. SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Original application filed Aug. 27, 1914, Serial No. 858,797. Divided and this application filed July 12, 1919, Serial No. 310,328. Renewed Nov. 9, 1923. 10 Claims. (Cl. 83—40.)



1. In combination, a casing enclosing a chamber, an upper receptacle mounted in said chamber and having upper and lower openings communicating therewith, a lower receptacle having an open upper part affording communication between said chamber and said lower opening, means for supplying material to be separated to said upper receptacle, means for causing a fluid current to flow through said upper receptacle and upper opening into said chamber and return between said receptacles to said lower opening, filtering means within said casing for

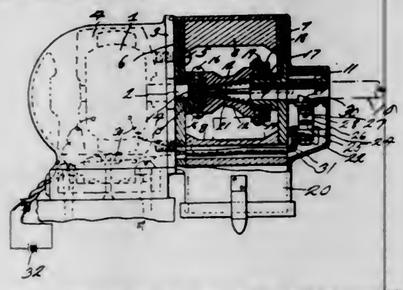
intercepting particles floating in such current comprising downwardly extending faces in the path of and opposed to such current and affording downward ways for intercepted particles and affording intermediate of such ways apertures affording inwardly extending passages for such current, and means below such passages for resisting upward flow of such current relatively to them.

1,499,518. SMOKER'S PIPE. BYRON B. GOLDSMITH, New York, N. Y. Filed July 18, 1921. Serial No. 485,604. 1 Claim. (Cl. 131—12.)



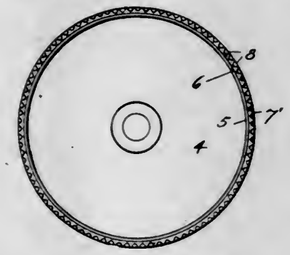
A pipe having a stem made of refractory and porous material containing a plurality of small passages extending from end to end thereof.

1,499,519. ELECTRIC PENCIL SHARPENER. JOHN GROEGER, Lincoln, Ill. Filed Apr. 12, 1923. Serial No. 631,608. 1 Claim. (Cl. 120—96.)



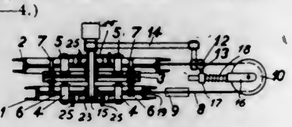
A pencil sharpening machine, said machine comprising an encased motor, a casing detachably connected to the motor, a shaft carried by the motor and extending into the casing, a tubular member for the reception of a pencil and in axial relation to the shaft, cutter members detachably connected to the shaft, the other ends of said cutter members being mounted on a bearing carried by the tubular member, a pencil point engaging depression in the end of the shaft and forming means for engaging a pencil, a bevelled block extending through an aperture in the tubular member and into the path of the pencil, said bevelled member forming means whereby, when moved, a circuit maker and breaker will be actuated for controlling the motor.

1,499,520. PULLEY. HAROLD M. GUSDORF, Indianapolis, Ind. Filed Feb. 12, 1923. Serial No. 618,484. 2 Claims. (Cl. 64—45.)



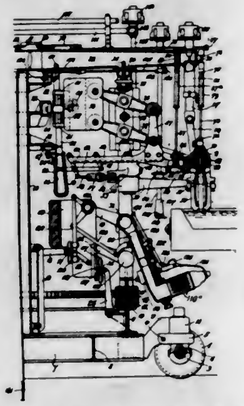
1. A surface cover for pulleys made out of hog-skin having the grain side next to the pulley and the flesh side out.

1,499,521. MAGNETIC PHONOGRAPH. WALDEMAR HAGEMANN, Berlin-Lichterfelde, Germany, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Filed May 29, 1922. Serial No. 564,574. 5 Claims. (Cl. 274—4.)



1. A magnetic phonograph having two revolubly mounted driven members, friction means carried by said reels adapted to normally restrain any movement thereof relative to said driven member, and means adapted to move said driven member with respect to said reels so as to increase the hold of said friction means on one of said reels and decrease it on the other.

1,499,522. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Original application filed Mar. 13, 1918, Serial No. 222,257. Divided and this application filed July 27, 1920. Serial No. 399,427. 13 Claims. (Cl. 49—40.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

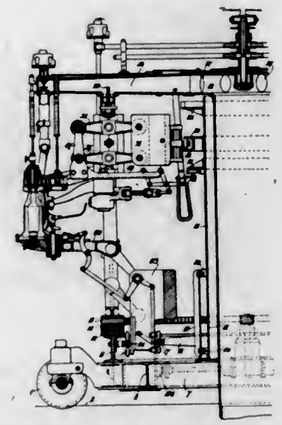


10. In a machine for the manufacture of glass articles, the combination of a fixed base, a ring mounted rigidly upon the said base, the said ring forming a lower member of an anti-friction bearing, another ring rotatable with respect to the first mentioned ring and forming the upper member of the anti-friction bearing, hollow columns mounted upon the second mentioned ring, hollow radial arms in connection with the said hollow columns, such radial arms being also connected to an air supply, mechanisms carrying a parison mold mounted upon the said hollow columns, downwardly extending hollow forks in connection with the hollow radial arms, such forks being provided with apertures to enable cooling air to be supplied to the outside of the molds and parts to be cooled, and means for cutting off the supply of cooling air at appropriate times, substantially as described.

1,499,523. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Original application filed Mar. 13, 1918, Serial No. 222,257. Divided and this application filed July 27, 1920. Serial No. 399,428. 3 Claims. (Cl. 49—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

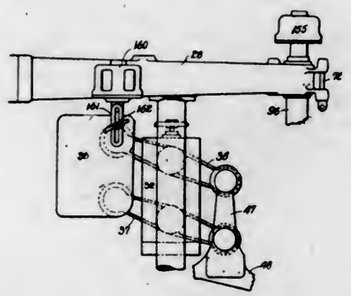
1. A machine for the manufacture of glass articles comprising a stationary frame, a rotatable frame supported thereon, said rotatable frame including an upper member having a plurality of laterally extending radial

arms, and a lower member, a removable vertical column interposed between each radial arm and the lower member and connected therewith, each of said columns having a vertically elongated opening therein, a parison mold supporting frame journaled in means in the elongated opening, a parison mold thereon, a finishing mold



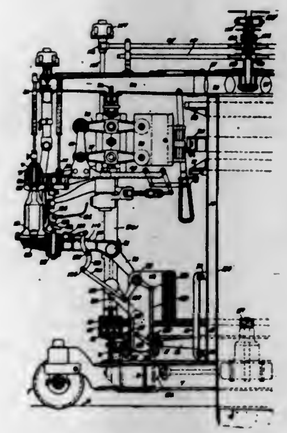
carrying frame journaled in the elongated opening, a finishing mold carried thereby, and means for effecting the actuation of the parison and finishing molds, the arrangement being such that when one of the columns is removed, the parison and finishing molds and their associated parts may also be removed independently of the similar parts carried by the other columns.

1,499,524. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Original application filed Mar. 13, 1918, Serial No. 222,257. Divided and this application filed July 27, 1920. Serial No. 399,429. 12 Claims. (Cl. 49—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



11. In a rotary machine for the manufacture of glass articles, the combination of a rotatable framework, rotatable about a fixed central column, a secondary frame adapted to slide vertically with respect to the said framework, in order to adjust the machine for parison molds of different lengths and for different levels of the molten glass, means for so adjusting the said secondary frame and for retaining it in various vertical positions, two levers of the first order, of equal length, one pivoted above the other to the said secondary frame, a link pivotally connected to the outer ends of the said levers, another link pivotally connected to the inner ends of the said levers, so as to constitute a parallel link lever mechanism of the first order, a sectional parison mold carried from the outer link, means operating upon the inner link for lowering and raising the parison mold at appropriate times, such means being adjustable in order to regulate and accommodate the dipping according to the various adjusted positions of the secondary frame, substantially as described.

1,499,525. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Original application filed Mar. 13, 1918, Serial No. 222,257. Divided and this application filed July 27, 1920. Serial No. 399,430. 16 Claims. (Cl. 49—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

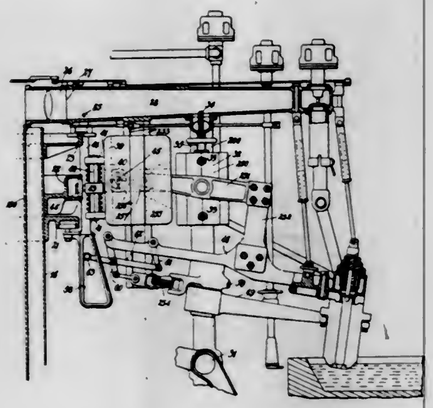


11. In a machine for the manufacture of glass articles, the combination of a rotatable framework, a lever of the first order pivoted to the said framework, a sectional finishing mold carried by the outer arm of the said lever, a link pivoted to the inner arm of the said lever, another link pivoted to the first mentioned link, parallel to the inner arm of the lever and pivoted to the framework so as to constitute a parallel link lever mechanism, means for raising and lowering the lever at appropriate times, a toothed quadrant pivoted to the outer arm of the lever in proximity to the finishing mold, said toothed quadrant carrying a fork adapted when swung over to embrace the top of the article being finished, another toothed quadrant meshing with the first mentioned quadrant and also pivoted on the outer arm of the lever, and a rod connecting the latter quadrant to a portion of the framework in such a way that as the finishing mold opens, the said fork engages the top of the article, substantially as described.

1,499,526. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Filed July 27, 1920. Serial No. 399,432. 20 Claims. (Cl. 49—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

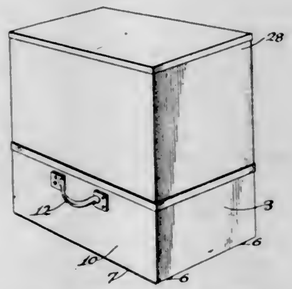
20. In a machine for the manufacture of glass articles, the combination of a fixed central column, a framework rotatable about the said central column, a secondary frame adapted to slide vertically with respect to the said framework, in order to adjust the machine for different lengths of parison molds and for different levels of molten glass, means for adjusting the said secondary frame and for retaining it in various vertical positions,

a lever of the first order pivoted to the said secondary frame, a sectional parison mold, the sections of which are pivotally carried in fixed relation to the outer arm of the said lever, a counterbalance weight in connection with the inner arm of the said lever, means in connection with the said inner arm of the said lever for lowering and raising the parison mold, link mechanism for opening and closing the said parison mold, an arm in



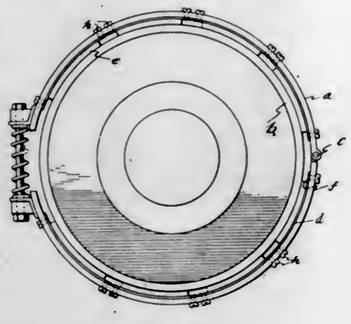
connection with and adapted to operate the said link mechanism, a depending arm pivoted to the rotatable framework of the machine, a tapering slot at the lower end of the said arm, means on said arm engaging the said tapering slot, a horizontal box cam in connection with the said central column, and a follower to the said cam, connected to the said depending arm, substantially as described.

1,499,527. FOLDABLE POSTING TRAY. CECIL B. HARRISON, Los Angeles, Calif., assignor to H. S. Crocker Co. Inc., Los Angeles, Calif., a Corporation of California. Filed June 15, 1923. Serial No. 645,558. 8 Claims. (Cl. 129—1.)



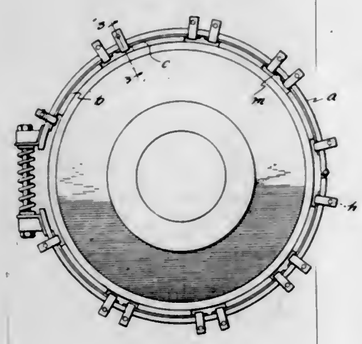
1. A bookkeeping sheet posting tray comprising a base-forming structure, having a bottom, end walls, and a short back wall, a receiver hingedly connected to the front of the base structure and adapted to be swung from a vertical to a forwardly inclined position, a tiltable back device attached to the back wall, and a platform attached to the tiltable back and interposed above the base structure and between the front receiver and the back device, and upon which sheets stand while in stacked relation in the back device.

1,499,528. BRAKE BAND AND LINING. RICHARD B. HARTMAN, Cordell, Okla., assignor to Hartman Brake Corporation. Filed Feb. 2, 1920, Serial No. 355,845. Renewed Dec. 18, 1923. 5 Claims. (Cl. 188—249.)



5. In a brake, the combination of a band provided with openings therein, brake-lining segments comprising each a backing and a piece of brake-lining material secured thereto, each backing being provided with one or more bosses rising from the rear thereof and adapted to be engaged in one or more of the openings in the brake band to properly line up the segment with the band, and means for removably securing the brake-lining segment to the band.

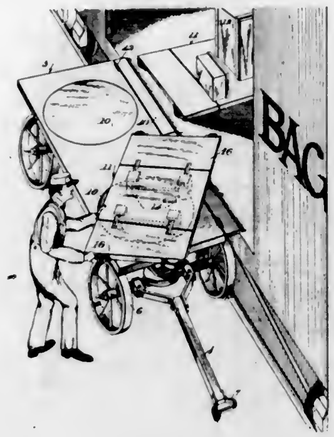
1,499,529. BRAKE BAND AND LINING. RICHARD B. HARTMAN, Cordell, Okla., assignor to Hartman Brake Corporation. Filed Feb. 4, 1920, Serial No. 356,337. Renewed Dec. 18, 1923. 5 Claims. (Cl. 188—249.)



5. In a brake, the combination of a band, a plurality of brake lining segments comprising each a backing of metal and a brake lining material extending short of the ends, and removable jaws adapted to engage the adjoining exposed ends of the backings of the brake lining segments, and means for clamping the jaws removably to the band.

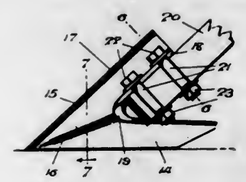
1,499,530. TRUCK. JOHN WIMBISH HENDERSON, Tunica, Miss. Filed Apr. 17, 1923. Serial No. 632,735. 3 Claims. (Cl. 214—38.)

1. In combination with a main truck provided with turntables of an auxiliary truck adapted to rotate thereon, said auxiliary truck having a folding platform, the central portion thereof being provided with rollers and



the end portions being hingedly connected to the central portion and adapted to fold thereupon in the manner described.

1,499,531. CULTIVATOR SWEEP. CARL M. HOERBGOTT, Alvin, Tex. Filed June 13, 1922. Serial No. 568,018. 1 Claim. (Cl. 97—204.)

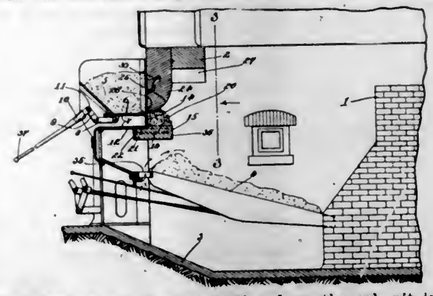


A cultivator sweep comprising a wing, a raised rib at one end of the wing with an angle between said wing and rib, a shank extended rearwardly from said rib, said wing being inclined and said rib and shank being inclined at a greater angle than the wing, the rib and shank having rearwardly diverging sides with a ridge between them forming a shin, the side of the shank adjacent to the wing having an inturned flange at its rear edge behind the shank and extending toward the opposite side of the shank for securing the shank to a standard, and a web connecting the forward end of said flange and rear edge of the wing and bent back forwardly under the juncture of said wing and rib, the forward end portion of said flange and the web projecting forwardly beyond the corner between the rear edge of the wing and the corresponding side of the shank and leaving the forward end portion of the flange unobstructed by the web above and below said flange.

1,499,532. FURNACE. CHARLES J. HUBER, Baltimore, Md. Filed July 19, 1923. Serial No. 652,521. 3 Claims. (Cl. 110—24.)

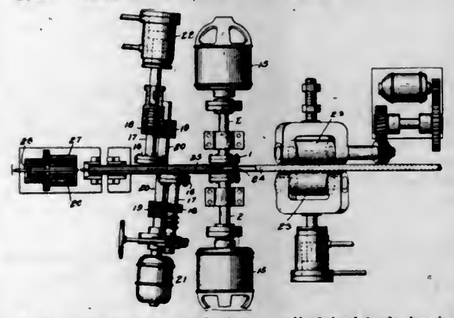
2. In a furnace having a fire box, a grate, a flue, and a feed opening at the front of the furnace above the grate, a coking shelf extending backward into the furnace near the bottom of the feed opening, said shelf being composed of resistive, ceramic material, a heat retaining and transmitting member immediately over

the shelf, the same being exposed to the direct radiation from the fire and being in contact with the fuel on the



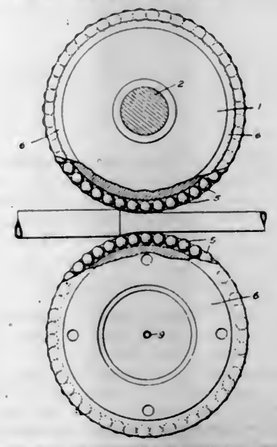
shelf, and an air opening leading from the ash pit into the fire box beneath the coking shelf and spaced forwardly from the rear edge thereof.

1,499,533. REDUCING CYLINDRICAL BODIES. JOHN A. KATZENMEYER, Ellwood City, Pa. Filed June 5, 1922. Serial No. 566,083. 10 Claims. (Cl. 80—11.)



9. A mechanism for reducing a cylindrical body having in combination a rotatable head provided with an annular raceway, a plurality of balls arranged within the raceway, and mechanisms for controlling the movements of the body while being reduced, said mechanism being arranged on opposite sides of the head and adapted to support the body so that its axis will be substantially at right angles to the axis of rotation of the head.

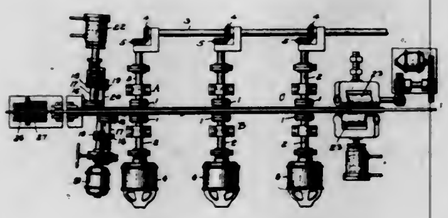
1,499,534. REDUCING CYLINDRICAL BODIES. JOHN A. KATZENMEYER, Ellwood City, Pa. Filed June 5, 1922. Serial No. 566,084. 4 Claims. (Cl. 80—11.)



1. A mechanism for reducing a cylindrical body having in combination means for rotating and moving said body

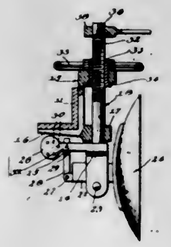
longitudinally, a head adapted to rotate in a plane approximately coincident with the axis of the article and provided with a peripheral raceway and a plurality of spherical elements arranged in the raceway.

1,499,535. METHOD OF MANUFACTURING TUBES AND A CONTINUOUS MILL THEREFOR. JOHN A. KATZENMEYER, Ellwood City, Pa. Filed Aug. 12, 1922. Serial No. 581,377. 7 Claims. (Cl. 80—11.)



7. In a metal reducing mill the combination of reducing rolls adapted to effect longitudinal and rotary movements of the article being operated on, and rotating heads carrying an annularly arranged series of independently movable members, the heads being so arranged that the members will engage the article intermediate the rolls.

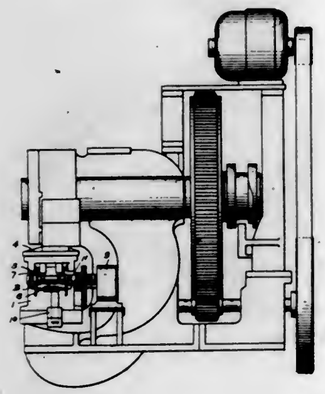
1,499,536. DISK-PLOW MOUNTING. MOYNE LECLERQUE KELLY, Waco, Tex. Filed Sept. 21, 1922. Serial No. 589,670. 6 Claims. (Cl. 97—53.)



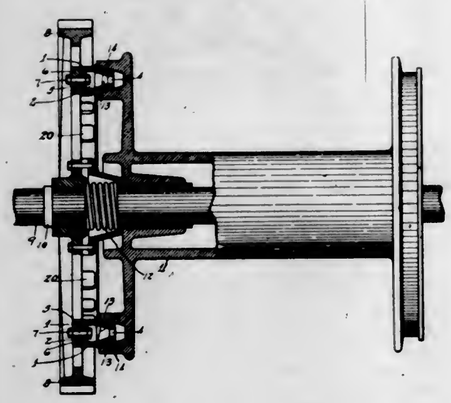
1. In combination, a running gear, a spindle rotatably carried by said running gear and arranged in vertical relation thereto, a casting carried upon the lower end of said spindle, a block supported within said casting and adapted for tilting movement, and a disk plow rotatably supported by said block.

1,499,537. TIE-PLATE MACHINE. JOSEPH KURKOWSKI, Pittsburgh, Pa. Filed June 12, 1923. Serial No. 644,853. 4 Claims. (Cl. 164—40.)

1. Feed mechanism for a machine including relatively reciprocatory parts, said feed mechanism including work-engaging members an electric motor for driving said work-engaging members, an energizing circuit for said motor, a normally closed make-and-break device arranged in said circuit and adapted to be opened by the advance of the work, and a second make-and-break device arranged in said circuit and adapted to be opened and closed by the relative reciprocation of the parts first named.



1,499,538. FRICTION CLUTCH. JAMES H. LA MOREE, Portland, Oreg.; Winnie Mae La Moree, administratrix, and Chriss A. Bell, administrator, of said James H. La Moree, deceased, assignors of one-third to Winnie Mae La Moree and of two-thirds to Winnie Mae La Moree, trustee for Henry-Etta Mae La Moree and Anna Ellen La Moree. Filed Jan. 16, 1922. Serial No. 529,527. 10 Claims. (Cl. 192—113.)

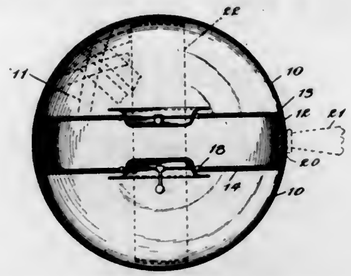


1. In a friction clutch, the combination of a hollow metal frame having on its inner and outer walls converging conically-shaped friction surfaces; and means for forcing a current of air through the frame between the walls.

1,499,539. SOUNDING TOY. ERNEST E. LANDON, Washington, D. C. Filed Apr. 17, 1922. Serial No. 553,539. 6 Claims. (Cl. 46—46.)

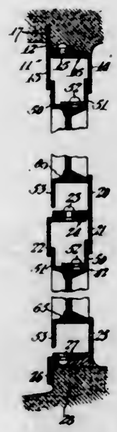
1. In a sounding toy, a hollow ball, a pair of elastic members extending across the interior of said ball in

parallelism, and tympani each mounted for swinging movement on a respective member said elastic members



and tympani being positioned that swinging movement of the latter cause them to strike together.

1,499,540. WINDOW CONSTRUCTION. WILLIAM C. LEA, Los Angeles, Calif. Filed Feb. 24, 1921. Serial No. 447,381. 1 Claim. (Cl. 189—69.)



The combination forming a window construction comprising a metal window frame, the head of said frame consisting of two angle irons arranged to form a channel, an angle iron extending upwardly therefrom and rivets for securing said irons together, a meeting rail for said frame consisting of three angle irons, two of said irons forming a channel, the third iron extending upwardly therefrom and rivets for securing said irons together, a bottom member for said frame consisting of two angle irons arranged with oppositely extending flanges and rivets for securing said irons together, side members for said frame consisting of three angle irons, two of said irons being arranged to form a track, the third iron extending away from said track and rivets for securing such irons together, a sash for said frame arranged to extend into said channel in closed position, and a roller in each side of said sash arranged to ride in said track in the side members of said frame.

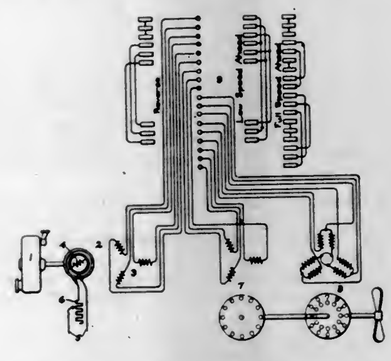
1,499,541. PIPESTEM CLEANER. JOHN J. MCCARTHY, Middleboro, Mass. Filed July 18, 1923. Serial No. 652,246. 2 Claims. (Cl. 131—13.)

1. A pipe-stem cleaner composed of two flat-sided wire members, each oblong in cross section, placed side by side and intertwisted so that their longitudinal edges form helical two-part scrapers extending lengthwise of the cleaner, each scraper presenting two scraping corners, one following the other when the cleaner is rotated in a pipe stem the outer ends of said members being V-shaped, and flush with each other and forming a



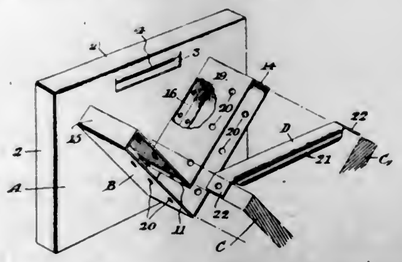
two-part pointed reaming cutter the point of which is on the longitudinal center of the cleaner the gage of the wire forming said members being such that the cleaner is adapted to enter the bore of a pipe stem and has a sufficient flexibility to conform to curvature thereof, each member supporting the other and confining the said V-shaped ends beside each other.

1,499,542. POWER SYSTEM. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1923. Serial No. 638,416. 5 Claims. (Cl. 172—8.)



1. A power system comprising an alternating current generator, a motor insulated for the full voltage of said generator and constructed for operation on a single pole number, a motor insulated for approximately one-half the voltage of said generator and arranged for operation on a plurality of pole numbers, and means for interconnecting said motors in series with each other to the terminals of said generator.

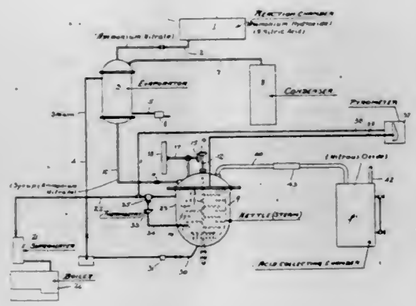
1,499,543. METAL FEED-TROUGH END. ANDREW G. MEISTER, Copeland, Kans. Filed Dec. 4, 1923. Serial No. 678,469. 3 Claims. (Cl. 119—61.)



1. A metal feed trough end comprising two sheet metal parts, one of which is a flanged rectangular member, and

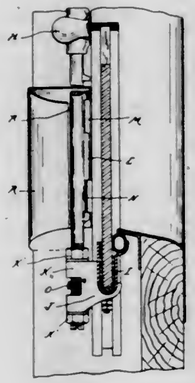
the other of which is a hollow V-shaped member provided with an edge flange for attachment to the first member.

1,499,544. METHOD OF MAKING NITROUS OXIDE. MAX P. MILLER and MAURICE F. ROCHE, Cleveland, Ohio, assignors to The Lennox Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 7, 1920. Serial No. 379,497. 4 Claims. (Cl. 23—10.)



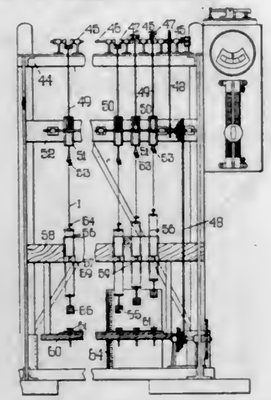
1. In a method of making nitrous oxide, the steps which consist in treating ammonium hydroxide with nitric acid, evaporating the water formed by such reaction, and then heating the hot ammonium nitrate strongly while still hot from such evaporating and collecting the nitrous oxide evolved.

1,499,545. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Durn Company, Toledo, Ohio, a Corporation of Delaware. Filed May 22, 1922. Serial No. 562,871. 7 Claims. (Cl. 292—202.)



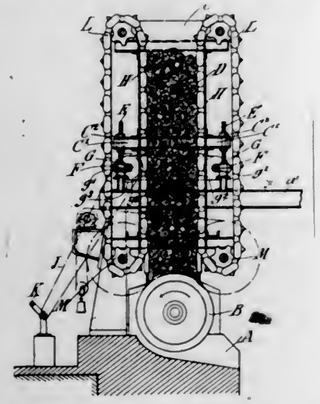
1. In a window control mechanism, the combination with a sliding closure for a window opening, of a control rod for said closure extending upon the latter in the direction of movement thereof and rotative to exercise a latch function, a latch element carried by said rod substantially co-extensive therewith and a fixed latch element engageable by said latch member through rocking of said rod.

1,499,546. TESTING MACHINE. ARTHUR EARNEST OXLEY, Didsbury, Manchester, England, assignor to The British Cotton Industry Research Association, Didsbury, Manchester, England. Filed Feb. 13, 1924. Serial No. 692,618. 9 Claims. (Cl. 73—51.)



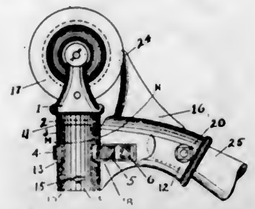
1. In a machine for testing threads or the like the combination of means to suspend said thread means to apply a cyclical variation of tensile stress axially of said thread, and means to prevent the rotation of said thread about its axis tending to untwist the same.

1,499,547. MACHINE FOR GRINDING WOOD INTO PULP. PAUL PRIEM, Heidenheim A/Brenz, Germany, assignor to American Voith Contact Company, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,652. 3 Claims. (Cl. 83—75.)



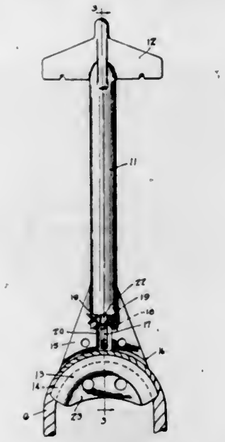
1. In a magazine grinder for grinding wood into pulp, the combination of a unitary magazine hopper having an open end at its upper portion and feeding means, extending along the sides of the magazine hopper to the lower portion thereof, for receiving a charge of wood billets, a grindstone below the magazine hopper, and at the lower portion thereof, and adapted to operate upon the wood billets directly as they are fed by the feeding means from out of the magazine hopper itself upon the grindstone, and means for moving the unitary magazine hopper with its feeding means towards and away from the grindstone, whereby the action of the feeding means of the magazine hopper upon the wood billets is transferred directly upon the grindstone from the magazine hopper with magazine hopper pressure and the magazine hopper may be moved away from the grindstone to enable the grindstone to be moved clear of the magazine hopper.

1,499,548. TROLLEY HARP AND MEANS FOR EFFECTIVELY OPERATING THE SAME. HENRY RAMELOW, Springfield, Ill. Filed Nov. 12, 1923. Serial No. 674,265. 6 Claims. (Cl. 191—60.1.)



1. The combination with a trolley wheel and vertical trolley harp of a tubular support for the harp, and a solid integral shank of the harp removably fitted into the tubular support; annular, integral flanged cap means with said solid harp shank for covering the supporting shoulder of the tubular support for the harp; a vertical fin guard integral with the harp support and positioned in front of the trolley wheel with a point between the flanges thereof adapted to normally hold the extent of wheel oscillations within predetermined limits; means provided in corresponding opposite cooperating springs for normally retracting the oscillations of the harp and wheel to a position of alignment with the trolley pole after turning a curve and yet permitting slight limited oscillations of the wheel allowing the same to keep in perfect alignment with the trolley wire while turning the curve.

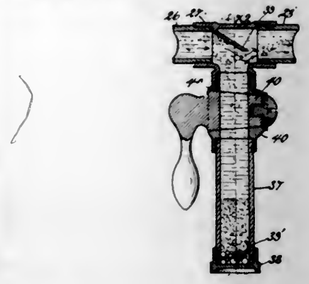
1,499,549. CROSSHEAD. JAMES P. RATIGAN, Los Angeles, Calif. Filed Feb. 8, 1923. Serial No. 617,898. 3 Claims. (Cl. 74—17.)



1. In a cross-head, the combination of a stem, a connecting member having a web joined to one end of the stem and having an arcuate groove adapted to engage a cable, there being a slot in one face of the web extending from edge to edge thereof above the level of the groove and communicating with the groove to admit of the passage of the cable to and from the groove and the web overhanging the groove.

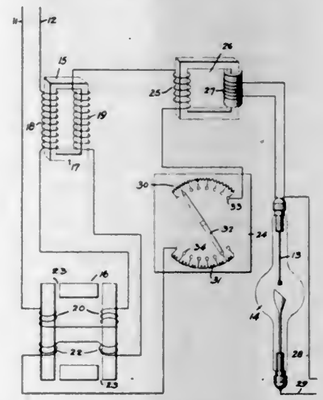
1,499,550. MATERIAL-TESTING APPLIANCE FOR WELL-DRILLING APPARATUS. JOHN T. REA, Los Angeles, Calif. Filed May 14, 1919. Serial No. 297,123. 1 Claim. (Cl. 83—82.)

The appliance set forth for testing material passing through a conveyor pipe and recovering precious metal therefrom comprising a T pipe interposed in a conveyor pipe connecting a drilling apparatus with a vacuum tank, said T pipe arranged so that its axially aligned arms are held horizontally and the other arm extending downward vertically so that the passages through the pipe are horizontal and vertical; a baffle plate integral with said T pipe, said plate positioned near mid-center of said T pipe and inclined from the inlet toward the horizontal outlet of said pipe and arranged so that material passing



through the conveyor pipe is deflected downward toward the vertical passage in the T pipe so that heavy material will pass by gravity through the vertical and the light material will be carried by suction on through the horizontal passage; a test pipe arranged in a vertical position; and a valve interposed between said test and T pipes said valve adapted to be closed when the contents of said test pipe are to be examined so that the examination can be made without interrupting suction through the conveyor pipe.

1,499,551. ALTERNATING-CURRENT SYSTEM. FRANK RIEBER, Berkeley, Calif. Filed Sept. 26, 1921. Serial No. 503,369. 9 Claims. (Cl. 171—119.)

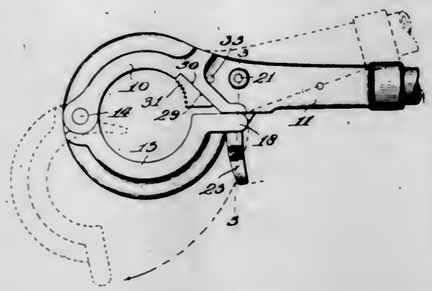


1. In an alternating current system for supplying current to a load in such a way that the current stays substantially constant at any one of a number of optional values, means for selecting the value of the current to be supplied, and means for causing this current value to be independent of fluctuations in the supply voltage.

1,499,552. PIPE TONGS. WILLIAM C. REYNOLDS, Los Angeles, Calif., assignor of one-half to Franklin J. Young, Los Angeles, Calif. Filed Oct. 10, 1922. Serial No. 593,609. 3 Claims. (Cl. 81—66.)

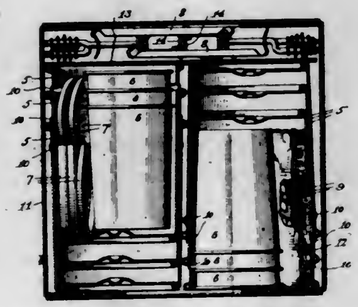
1. The herein described pipe tongs comprising a jaw, a handle rigidly secured thereto, a jaw hinged to the first mentioned jaw, a spring pressed slip arranged for sliding

movement on the first mentioned jaw, a latch pivoted to the first mentioned jaw for securing the hinged jaw in



closed position, and connections between the latch and slip whereby the latter is retracted when the latch is moved to release the hinged jaw.

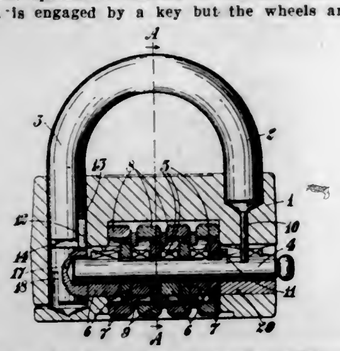
1,499,553. SHIPPING PACKAGE. MICHAEL A. ROLLMAN, Mount Joy, Pa. Filed Nov. 25, 1922. Serial No. 603,201. 3 Claims. (Cl. 206—65.)



1. A shipping package for dismantled ice-cream-freezers of the type wherein the bucket and cream can are both tapered to provide nesting in shipping, the sizes of the buckets and cream-cans being so proportioned that a given number of buckets when nested will provide a space in the inner bucket approximately equal to the length of the nested set of an equal number of cream-cans, comprising a shipping box, two sets of such ice-buckets enclosed within said box side-by-side, each set consisting of a plurality of dismantled nested buckets, and two sets of such cream-cans each consisting of a plurality of dismantled nested cream-cans, one set being enclosed within the outer bucket of each set of said ice-buckets.

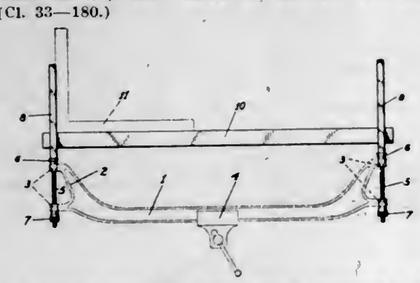
1,499,554. PERMUTATION LOCK. WILLIAM CHARLES RULE, Godstone, England, assignor of one-half to Charles Edward Atlee, London, England. Filed Feb. 19, 1923. Serial No. 620,032. 15 Claims. (Cl. 70—113.)

1. In a permutation lock, the combination with a spindle having keys spaced apart in the longitudinal direction thereof, toothed wheels threaded on said spindle and having each a key-way to receive one of said keys, and rotatable indicating-members mounted concentrically each on one of said toothed wheels, of a separate spacing bush threaded on said spindle between each pair of said wheels and having a key-way to receive one of said keys, which keys are of such a length and are so spaced apart in relation to the axial length of said bush and the axial thickness of said wheels that in one axial position of the spindle in relation to the bush and wheels the bush is engaged by a key but the wheels are free



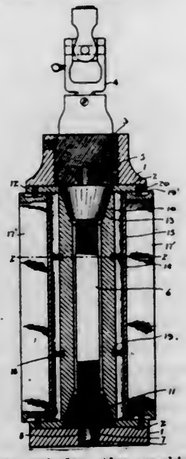
to rotate on the spindle, and in another axial position the keys engage ways in the bush and the wheels, substantially as described.

1,499,555. AXLE SET. OTTO SALBACH, Stockton, Calif. Filed Feb. 20, 1922. Serial No. 537,767. 4 Claims. (Cl. 33—180.)



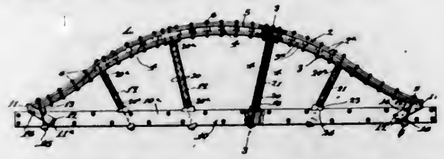
1. A motor-vehicle axle testing device including a pair of bars, and means for holding and centering said bars in vertical alinement with the spindle-bolt holes of the axle, the bars having means whereby a straight edge may be supported at a common distance on both bars from the adjacent bolt-holes.

1,499,556. CYLINDER GRINDER. NELSON SARGENT, Picton, Ontario, Canada, assignor of one-half to Frederick T. Knight, Picton, Canada. Filed Jan. 22, 1923. Serial No. 614,323. 4 Claims. (Cl. 51—206.)



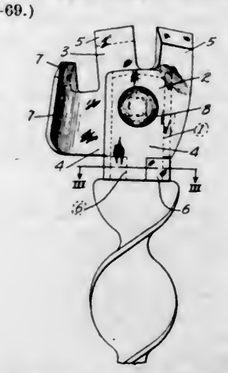
1. In a cylinder grinder, the combination with a rotatable block and a radially adjustable member therein, of a radially adjustable stone, a pivotal member extending longitudinally of and bearing against the inner side of said stone, and spring means for holding said pivotal means in contact with the stone.

1,499,557. ROOF TRUSS. ALBIN E. SHODIN, Los Angeles, Calif. Filed May 18, 1923. Serial No. 639,813. 1 Claim. (Cl. 108—23.)



In a timber truss, a bow-shaped top member of laminated structure in which certain of the laminæ are vertically spaced between the ends, spacing blocks between the spaced laminæ and secured thereto, a bottom chord forming a tie between the extremities of the top member, said chord being built of timbers set face to face, thrust straps secured to end portions of said chords, the sides of each of said straps being secured to opposite sides of said chord and at an angle thereto, the transverse portions of said straps being adapted to support the ends of said bow-shaped member, wedges interposed between the end portions of said bow-shaped member and said chord and set into mortises in said chord, plates on the upper face of said bow-shaped member at end portions of the latter, plates under said chord at end portions thereof connected to the first mentioned plates, buttress members seated in mortises in said chord, radially disposed stanchions extending between said bow-shaped member and said buttresses, said stanchions being of the built-up type and being hollow, and tie bolts extending through said stanchions and through said bow-shaped member and said chord transversely.

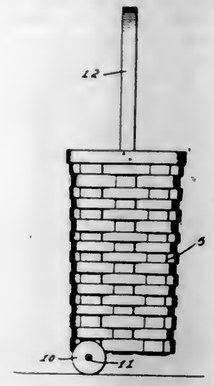
1,499,558. DRILL. SAMUEL T. SKEEN, Centralia, Ill., assignor of one-half to Charles E. Stead, Centralia, Ill. Filed Aug. 1, 1922. Serial No. 578,858. 5 Claims. (Cl. 255—69.)



1. A drill comprising a stem, a pair of cutting elements secured to said stem, a portion of each of said cutting elements embracing a portion of the associated cutting element, and means whereby said cutting elements are secured to said stem.

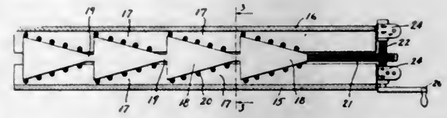
1,499,559. GRAVITY BASKET. ROSALIE J. SMITH, Washington, D. C. Filed Oct. 21, 1921. Serial No. 509,367. 1 Claim. (Cl. 280—51.)

1. In a wheeled carrier, an elongated body portion including a bottom member, said body portion and bottom member being constructed of interwoven transversely and vertically extending slat members, an axle member resting on one of the slat members of the bottom portion,



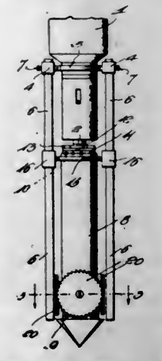
slats disposed over the axle and secured thereto to hold the axle against displacement, wheels on the axle, and a handle at one end of the body portion.

1,499,560. JACK. PEDER O. STANGELAND, Los Angeles, Calif. Filed Sept. 29, 1922. Serial No. 591,284. 4 Claims. (Cl. 254—104.)



1. A jack comprising a pair of U-shaped jaws arranged with the channels facing each other, a plurality of wedge shaped cams fixed in the channels and all pointing in the same direction, the cams of one jaw being directly opposite the cams of the other jaw, rollers journaled in the jaws along the faces of the cams, a plurality of movable wedge shaped cams connected together and engaging the rollers so that when the movable cams are forced one way the jaws will spread and when the movable cams are forced the other way the jaws will move towards each other and rack and pinion means for holding the jaws and moving the cams.

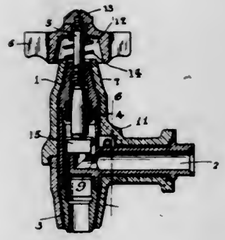
1,499,561. DRILL. PETER STEFANICH, Indiana Harbor, Ind., assignor of one-half to Barney Stefanich, Indiana Harbor, Ind. Filed Nov. 16, 1922. Serial No. 601,408. 2 Claims. (Cl. 145—122.)



1. In combination with a drill, a chuck for driving the drill, and a stationary member toward and from which

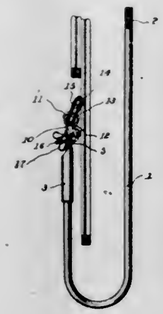
said chuck is movable; an elongated casing through which said drill passes, means connecting the drill and casing for axial movement as a unit, rotary cutters carried by the lower end of said casing and driving connections between said cutters and drill, a collar clamped around said stationary member and having diametrically opposed external sockets, a pair of parallel guide rods at the exterior of said casing and chuck rigidly held at one end in said sockets, a second collar clamped around said casing, and diametrically opposed external sockets carried by said second collar and slidably surrounding said guide rods.

1,499,562. COCK. RENÉ JEAN CAMILLE TAMPIER, Boulogne-sur-Seine, France. Filed May 22, 1922. Serial No. 562,834. 3 Claims. (Cl. 137—111.)



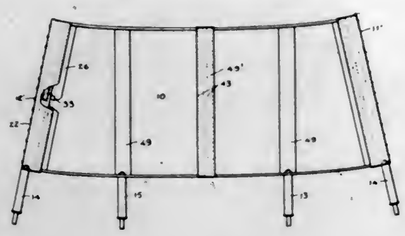
3. The combination, with a cock comprising a body and a valve rod disposed therein, of a removable casing comprising separable upper and lower members adapted to fit over the upper and lower portions of the cock body, the lower member having lugs at opposite sides thereof, a spring straddling one part of the lower member and having its ends engaged with said lugs, to hold said lower member in place on the cock body, and a key for operating the valve rod having an opening in its lower part wherein the upper end of the upper casing member is enclosed; substantially as described.

1,499,563. WINDOW-CLEANING DEVICE. GEORGE W. TYLER, Washington, D. C. Filed June 27, 1923. Serial No. 648,056. 1 Claim. (Cl. 15—220.)



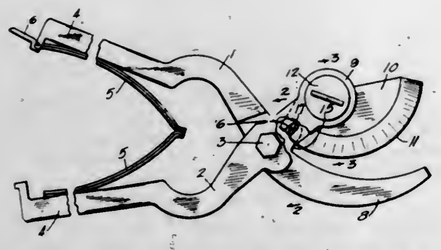
A window cleaning device comprising a U-shaped member, one of the arms of which is substantially one-half the length of the other arm thereof, and a wiper holder having a socket adapted to be detachably mounted on the end of either arm of said member; the proportions of parts being such that the entire interior surface of a closed window may be cleaned with the wiper when attached to the long arm, and the entire exterior surface of a window may be cleaned only by reaching over the top to clean a half section and around the bottom to clean that half section with the wiper attached to the short arm.

1,499,564. REDUCING GARMENT. LOUIS M. ULLMAN and DAVID A. LEDERER, New Haven, Conn. Filed Mar. 29, 1924. Serial No. 702,853. 2 Claims. (Cl. 2—29.)



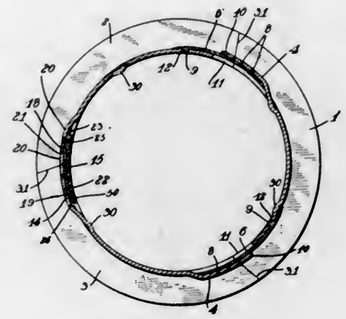
2. As a new article of manufacture, a closed-back, open-front rubber reducing-corset comprising a body-strip consisting of a single length of sheet-rubber with its ends positioned adjacent to each other at the front of the corset, reinforcing-strips adhesively secured to the inner faces of the respective ends of the said body-strip and extending from the upper to the lower edges thereof, multiple-layer assembly-strips, each having its layers separated at its inner edge and receiving between the said layers an end of the said rubber body-strip and a reinforcing strip, to both of which the edges of the said layers are stitched, stays located in the upper ends of the respective assembly-strips, clasps mounted in the stays of one assembly strip, complementary studs mounted in the stays of the other assembly strip, complementary hooks and eyes mounted in the respective assembly-strips below and in line with the said pairs of stays therein, a reinforcing strip adhesively secured to the inner face of the body-strip midway the length thereof and extending from the upper to the lower edge thereof, a stay-casing strip applied to the outer face of the body-strip midway the length thereof and stitched through the rubber body-strip to the reinforcing strip last mentioned, stays located in the said stay-casing strip, and hose-supporters secured to the lower ends of the respective assembly-strips, whereby the draft of the said supporters is removed from the body-strip and devolved upon the said assembly-strips and whereby the same are drawn flat over the abdomen and prevented from buckling.

1,499,565. PRUNING SHEARS. JOSEPH URBAN, Los Angeles, Calif. Filed Apr. 28, 1921. Serial No. 465,103. 2 Claims. (Cl. 30—11.)



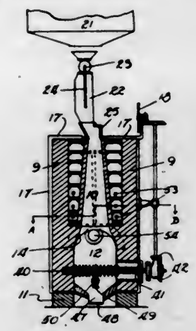
1. Shears comprising crossed pivoted handles, a stationary blade fixed on one of the handles, a movable blade pivoted on the other handle, and a pin-and-slot connection between the movable blade and the handle for the stationary blade, said connection being normally disposed between the pivot of the handles and the pivot of the blade so associated with the blade and handle as to be completely covered irrespective of the position of the handles or blades.

1,499,566. RIM. CHARLES A. VOLZ, Pigeon, Mich. Filed Mar. 1, 1923. Serial No. 622,079. 3 Claims. (Cl. 301—31.)



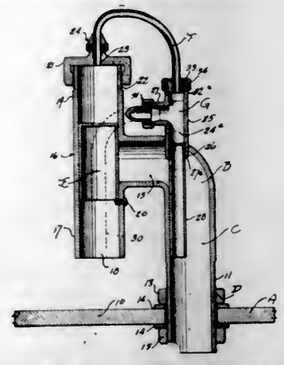
1. In a device of the class described, rim sections, one of which is provided with an outwardly offset keeper, the other of which carries a tongue which is insertable beneath the keeper, the tongue being provided on its inner surface with an inwardly extended projection spaced from the end of the tongue, the first specified section having an opening adapted to receive the projection.

1,499,567. GAS RETORT. HERBERT WOOD, Sydney, New South Wales, Australia. Filed Mar. 25, 1921. Serial No. 455,439. 1 Claim. (Cl. 48—123.)



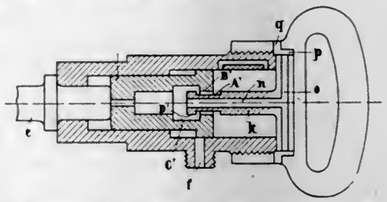
A vertical retort, an outer wall between which outer wall and the retort are a series of superimposed heating chambers open to each other at opposite sides alternately, the lowermost of said chambers being in communication with the generator, a passage formed by a midfeather wall whereby heat from the generating area is conducted to the lowermost of the heating chambers and upwardly through said chambers to the atmosphere, dampers in said passage closable after preliminary heating, continued by gas burners projecting into the surrounding superimposed chambers for heating the same, and a gas outlet for exit of the blow gases from the generator.

1,499,568. AUTOMATIC SIPHON. RUSSELL J. ANDREWS, Denver, Colo. Filed May 7, 1921. Serial No. 467,536. 10 Claims. (Cl. 137—106.)



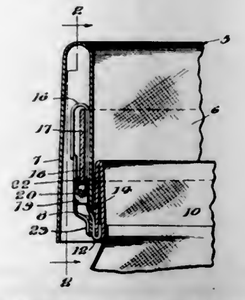
7. An automatic siphon comprising a main siphon, a valve for controlling flow of liquid through the main siphon, an auxiliary siphon, and means connecting the auxiliary siphon to the main siphon for controlling operation of the valve in the latter.

1,499,569. PNEUMATIC HAMMER. ARMAND BAILLY, Paris, France. Filed Dec. 22, 1921. Serial No. 524,278. 2 Claims. (Cl. 121—11.)



1. In a pneumatic hammer, the combination of a cylinder provided at its rear end with a stationary axial exhaust tube; and a reciprocatory impact piston in the cylinder having a socket in its rear end to receive said tube and a passage leading from its front end into said socket; the piston and exhaust tube having openings adapted to coact in establishing temporary communication between the cylinder and the atmosphere and thereafter to interrupt such communication and thereby cause the automatic stoppage of the piston.

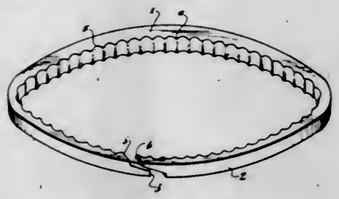
1,499,570. COLLAR-ATTACHING DEVICE. DANIEL C. CARR, Chicago, Ill. Filed Nov. 5, 1923. Serial No. 672,954. 3 Claims. (Cl. 24—61.)



1. A collar attachment comprising a body having one end portion offset for extending through the button hole in the inner fold of a collar and being provided with

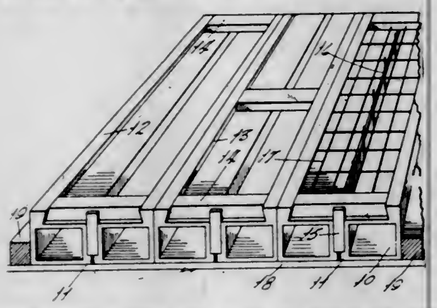
means to engage the neck band of a shirt, the other end portion of the body being formed with an open ended loop adapted to slidably receive and support a necktie, and a spring actuated latch pivoted to said body and engaged with said open ended loop for normally closing the loop.

1,499,571. PISTON RING. MORRIS A. DAVIS, Los Angeles, Calif. Filed Nov. 11, 1920. Serial No. 423,337. 7 Claims. (Cl. 74—109.)



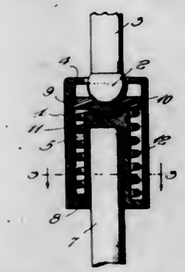
1. A piston ring having its inner periphery formed at intervals with relatively sharp projections.

1,499,572. SLAB FORM. LEONARD L. ELDRIDGE, San Antonio, Tex. Filed May 28, 1923. Serial No. 641,935. 6 Claims. (Cl. 25—118.)



1. In a slab molding form, a pair of longitudinal members, each having a marginal overhanging flange for forming a bevelled edge and a longitudinal rib, the members forming a T-shaped casting space with the ribs at the bottom thereof and bulkheads fitting in the casting space for forming the ends of the slab cast in said space.

1,499,573. VALVE SILENCER. ANDREW C. ENNIS, Smithfield, N. C. Filed Nov. 12, 1923. Serial No. 674,295. 3 Claims. (Cl. 123—90.)



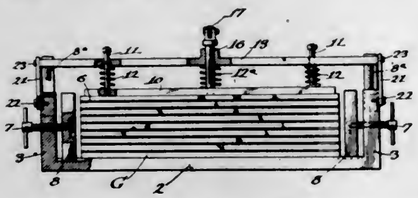
3. A device of the class described comprising an outer sleeve open at its upper end to receive the lower end of an upper push-rod section, an inner sleeve disposed concentrically within said outer sleeve in spaced relation and having its lower end open to receive the upper end of a lower push-rod section, the upper end of said inner sleeve being closed and being spaced downwardly from the corresponding end of the outer sleeve, and a web connecting the lower ends of said sleeves for closing the space therebetween.

1,499,574. BARREL TONGS. ARTHUR HAROLD EVANS, Tulsa, Okla. Filed May 23, 1923. Serial No. 640,944. 2 Claims. (Cl. 294—4.)



1. A device of the class described, comprising a bar and a handle therefor, a pair of barrel engaging jaws connected with the handle and adapted to swing with reference thereto, said jaws including a deflected portion and a portion extending therefrom at approximately a right angle, the portions last named being turned toward each other, and a spring engaging said jaws.

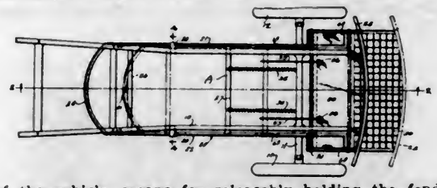
1,499,575. GLASS-PLATE HOLDER. GEORGE GLAUDEL, Los Angeles, Calif., assignor of forty-two and one-half per cent to George L. Mitchell, Santa Monica, Calif., and fifteen per cent to Herman Miller, South Pasadena, Calif. Filed Mar. 29, 1923. Serial No. 628,678. 7 Claims. (Cl. 51—217.)



1. In a jig for lining up and holding pieces of plate glass in a stack, a holder having a bottom upon which the pieces are stacked one above the other, end guide means for the ends of the pieces and a removable front guide plate against which the pieces are positioned in alignment in the stack, and means for clamping the stack of pieces whereby to hold the same when the front guide plate has been removed to expose the aligned edges of the plates to be sand blasted.

1,499,576. AUTOMATIC SAFETY DEVICE FOR VEHICLES. RALPH VINTON GLOVER, Rochester, N. H., assignor of one-half to Fannie Hall Mathes, Rochester, N. H. Filed Feb. 21, 1924. Serial No. 694,341. 5 Claims. (Cl. 293—25.)

1. In a safety attachmen' of the class described, the combination of a vehicle, a fender frame, means collapsibly mounting the fender frame upon the vehicle, springs normally tending to throw the fender frame forwardly



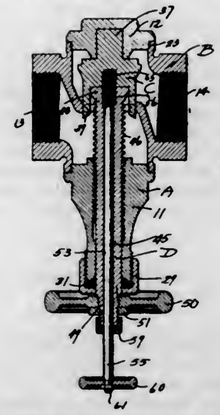
of the vehicle, means for releasably holding the fender frame extended, and means for releasably retaining the fender frame collapsed.

1,499,577. COMB. LEO A. HENTER, Hot Springs, Mont., assignor to Nu-Comb Manufacturing Company, Hot Springs, Mont., a Corporation of Montana. Filed Mar. 1, 1923. Serial No. 622,142. 1 Claim. (Cl. 24—3.)



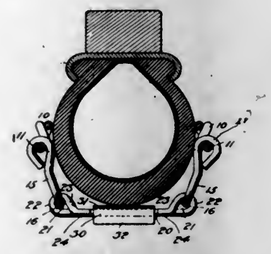
The combination with a vest pocket comb having a back portion thereof provided with a convex rib extending laterally of the plane of the teeth of said comb and longitudinally of the said back portion, of a clip comprising an attaching portion secured to said back portion and within the longitudinal margins of said rib, a resilient tongue extending from said attaching portion longitudinally of said rib, and a ball at the free end of said tongue normally engaging the crown of said convex rib.

1,499,578. STOP AND CHECK VALVE. ROBERT A. HERA, Connersville, Ind. Filed Sept. 29, 1921. Serial No. 504,034. 5 Claims. (Cl. 251—140.)



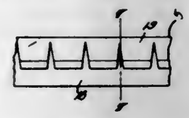
5. A valve construction comprising a casing, a valve member operable in said casing, a bonnet carried by said casing providing an interiorly screw threaded opening therein, a hollow main stem in screw threaded adjustment with the screw threaded opening of said bonnet, said main stem adapted to be adjusted upwardly whereby to lift the valve member off its seat in said casing or to be adjusted in said bonnet whereby the valve may coact in the casing as a check valve, an auxiliary stem slidably mounted in the main stem, and means for detachable connection of the auxiliary stem to said valve.

1,499,579. TREAD GRIP. CARLTON L. HOFF, York, Pa. Filed Apr. 21, 1923. Serial No. 633,734. 12 Claims. (Cl. 152—14.)



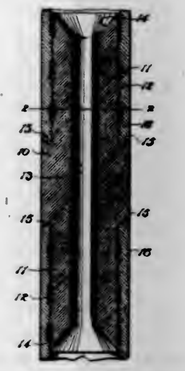
1. In an anti-skid device, a plurality of side chains, a plurality of transverse cross bars connecting said chains, and a non-cylindrical member loosely mounted to oscillate on each of said cross bars.

1,499,580. PISTON RING. FRED M. HOWE, Wellsboro, Pa. Filed Nov. 30, 1921. Serial No. 518,932. 1 Claim. (Cl. 74—109.)



An auxiliary piston ring or piston ring expander, comprising a strip of spring metal having transversely extending edge tongues disposed at an angle to the body.

1,499,581. ROTARY WELL-BORING PIPE COUPLING. OTTO B. KIBELE, Los Angeles, Calif. Filed Mar. 1, 1922. Serial No. 540,331. 1 Claim. (Cl. 285—197.)



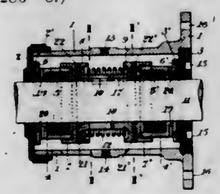
A pipe coupling, including a tubular body having a reduced end which is roughened, the body having an under cut shoulder at the reduced part, to receive an applied pipe end, and a pipe having an internally roughened end and being spot welded on the coupling end.

1,499,582. TYPEWRITING MACHINE. JOSEPH LAGUIONIE, Paris, France. Filed May 9, 1923. Serial No. 637,900. 6 Claims. (Cl. 197—126.)



1. In a typewriting machine a carriage, a luminous platen therein and means to permit of placing on the carriage the sample to be reproduced under the sheet to be impressed in the same visual field relatively to each other.

1,499,583. CONSTRUCTION OF STUFFING BOXES FOR REVOLVING SHAFTS OF ALL KINDS AND ESPECIALLY OF TURBINE SHAFTS AND THE LIKE. JULES LEROY, La Garenne Colombes, Seine, France. Filed Nov. 28, 1921. Serial No. 518,391. 1 Claim. (Cl. 286—8.)



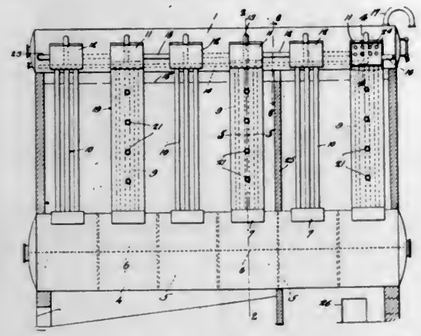
A stuffing means for rotatable shafts, comprising, in combination, a casing, bearing surfaces on the casing, two complete stuffing boxes in the casing, the stuffing boxes ends having a bearing surface on one side cooperating with the casing bearing surfaces, and each having a recess on the opposite side, an annular member having two parts, a coil spring separating the two parts, the two parts being interposed between the stuffing boxes, said two parts having interengaging portions to restrain the parts to rotate together, one of said two parts being keyed to the rotatable shaft with which used, and a projection on each of the two parts, fitting into a recess in each of the stuffing boxes.

1,499,584. TOOL FOR DRILLING OR BORING METALS. ISAAC W. LITCHFIELD, Newtonville, Mass. Filed Oct. 7, 1920. Serial No. 415,429. 8 Claims. (Cl. 77—65.)



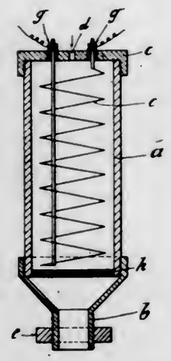
1. A drill having an interrupted cutting edge and an uninterrupted cutting edge adapted to follow said interrupted cutting edge and remove the ridges left by the interruptions therein, the uninterrupted cutting edge being axially to the rear of said interrupted cuttling edge sufficiently to produce a balanced cut.

1,499,585. BOILER. WILLIAM HENRY MCGRATH, Roselle Park, N. J., assignor of forty-nine per cent to William Brogan, Elizabeth, N. J. Filed Apr. 25, 1922. Serial No. 556,433. 9 Claims. (Cl. 122—347.)



1. A device of the class described comprising a lower drum; an upper drum, headers on opposite sides of the upper drum; tubes connecting the headers with the lower drum; connections between the headers, the connections on one side of the upper drum alternating with the connections on the opposite side of the upper drum; and means whereby the headers are connected to the upper drum.

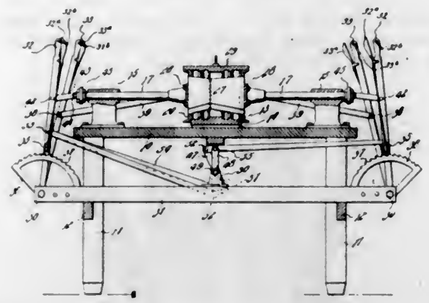
1,499,586. HEATING DEVICE FOR EXPLOSION MOTORS. JEAN JULES PAUL MARCÉ, Paris, France. Filed Dec. 8, 1921. Serial No. 520,983. 3 Claims. (Cl. 218—38.)



1. An attachment for an internal combustion engine comprising a flange member having an integral extension, said extension having a threaded aperture therein; a threaded member threaded to said flange member at its aperture; a tubular member on said threaded member; and a resistance coil in said tubular member, said flange member being adapted to be secured at any suitable place to the suction pipe or the carbureter of said internal combustion engine.

1,499,587. CEMENT-BLOCK-MAKING MACHINE. WILLIAM MEYER, Gladbrook, Iowa. Filed Feb. 23, 1923. Serial No. 620,734. 5 Claims. (Cl. 25—41.)

5. In a block machine, a supporting table adapted to carry a pallet, pairs of bearing members mounted upon the table, rods slidable through said bearing members and having their outer ends connected, face plates carried by the inner ends of said rods, end plates hinged upon the sides of the table and adapted to be received between the face plates, said face plates being formed with openings, and a plurality of core plugs slidably mounted through said openings, a lever mechanism at each end of the table connected with said rods for moving the face



plates, and an independent mechanism at each end of the table connected with said core plugs, the corresponding levers at each end of the table being connected for simultaneous movement.

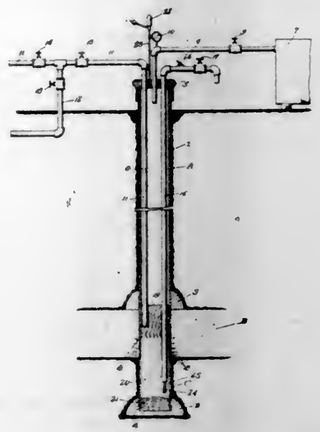
1,499,588. FIRE ESCAPE. ELMER ELLSWORTH MULLINIX, Burlington, Kans. Filed Feb. 6, 1923. Serial No. 617,301. 1 Claim. (Cl. 227—26.)



A cable clamp for fire escapes comprising a pair of jaws in the form of elongated semi-cylindrical castings having longitudinally extending grooves on their inner faces, the grooves tapering in depth toward one end of the clamp, the depth of the grooves at the lower ends of the castings being deep enough to permit the clamp to slide freely on the cable in connection with which it is to be used, apertured lugs extending from one side edge of the castings near their lower ends and designed to support a body encircling member, means detachably connecting said lugs, other lugs at the upper ends of the castings on the opposed side edges thereof to those carrying the first mentioned lugs, and a controlling screw mounted in the upper lugs for varying the clamping action of the jaws on the cable.

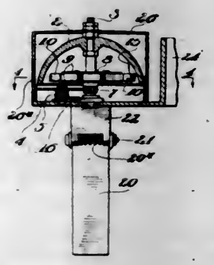
1,499,589. METHOD AND APPARATUS FOR EXTRACTING OIL FROM WELLS. FRANK NAVIN, Los Angeles, Calif. Filed Aug. 27, 1923. Serial No. 659,685. 9 Claims. (Cl. 166—2.)

1. The method of extracting clean oil from a well which consists in separating the oil, while in the well, from the water, sand and emulsion, in thereafter forcing the separated oil out of the well by the utilization of a



compressed fluid, and in simultaneously utilizing the same compressed fluid to force the water out of the well without contact with the oil.

1,499,590. SOFT-TIRE ALARM. OTTO NELSON, Hollywood, Calif. Filed Dec. 13, 1923. Serial No. 680,430. 6 Claims. (Cl. 116—34.)

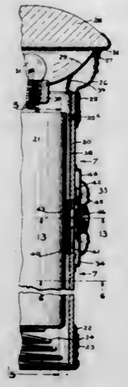


4. A soft tire alarm device comprising in combination, means adapted to be clamped to a part of a wheel provided with a pneumatic tire and including a bell, means for striking the bell to produce a sound signal, a lever arm pivotally mounted and extending downwardly into engagement with the tire and operating the bell-striking means when the tire bulges laterally unduly, said bell-striking means including an element extending laterally to be engaged by the lever when swung by the tire, and a spring for normally pressing the lever against the tire, said spring being connected to the said member to draw the same outwardly.

1,499,591. HANDLAMP. ARTHUR P. PAINE, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn. Filed June 9, 1920. Serial No. 387,657. 43 Claims. (Cl. 240—8.5.)

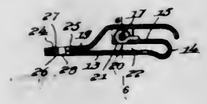
1. In a battery hand lamp, a casing, a battery therein, a bulb in said casing, means for making and breaking contact between the terminals of said bulb and battery,

comprising a conductor member within the casing, and means mounting said conductor for movement to three distinct positions, to produce three distinct effects and



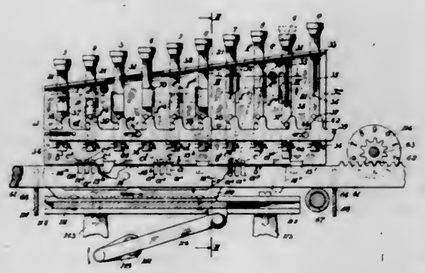
means for completing the circuit through the bulb and battery in two of said positions without further circuit closing movement of the conductor member.

1,499,592. GARMENT CLAMP AND THE LIKE. PERCY G. PHILLIPS, Rye, N. Y. Filed Dec. 28, 1923. Serial No. 683,093. 6 Claims. (Cl. 24—253.)



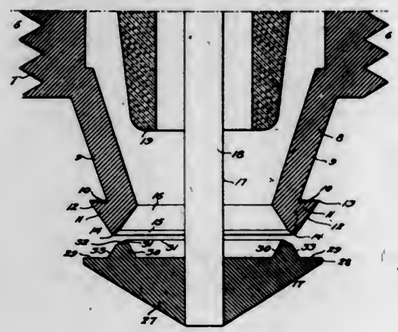
5. In a device of the class described, a pair of relatively movable jaws one of which has an opening therein, and a transversely arranged rib at each end of said opening; the other of said jaws also having an opening, and a longitudinally arranged rib at each side of said opening, each pair of ribs of a jaw being adapted to freely enter the opening of the other jaw to thereby form a plurality of bights in the material to be clamped; and means to normally retain said jaws in clamped position.

1,499,593. CALCULATING MACHINE. PAUL REISS, Danzig (Free City of), assignor to the Firm Gutschow & Co. G. m. b. H., Danzig. Filed Apr. 18, 1922. Serial No. 555,321. 11 Claims. (Cl. 235—60.)



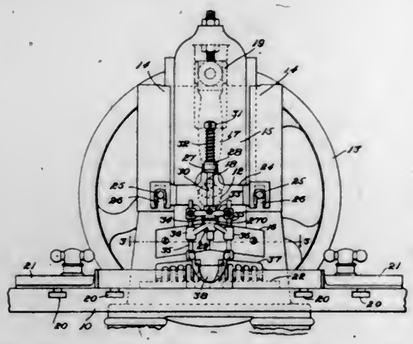
1. In a calculating machine the combination of a counting mechanism, a slidable rack operatively connected to said mechanism, a stationary stop adapted to limit the movement of said rack in one direction, depressible keys, coupling members operatively connected to said keys and engageable with said rack at different points, and means for moving said rack in the one and in the other direction.

1,499,594. SPARK PLUG. ELLSWORTH B. RILEY, Philadelphia, Pa. Filed June 9, 1922. Serial No. 567,142. 9 Claims. (Cl. 123—169.)



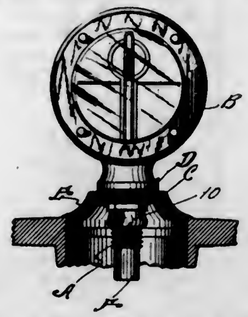
1. A spark plug including a depending electrode body providing an opening at its lower end; and an electrode having a cap provided with a sparking crest below said end of the body, said crest in cross section having its outer side slanting outwardly and downwardly, said outer side of the crest having its upper portion extending to a position closer to the longitudinal axis of the plug than is the lowest part of the wall of said opening whereby oil running down from said wall will drop onto said outer side of the crest.

1,499,595. GUARD FOR CORNER-CUTTING MACHINES. JOHN T. ROBINSON and GEORGE E. GOODING, Boston, Mass., assignors to John T. Robinson Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 1, 1923. Serial No. 655,055. 15 Claims. (Cl. 74—105.)



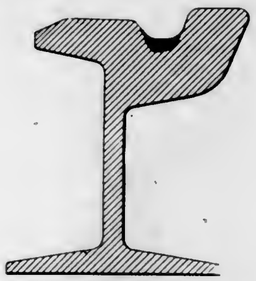
1. The combination with mechanism for cutting the corners of box blanks, said mechanism including a movable knife, of mechanism for shielding said knife to prevent injury to the operator, said shielding mechanism being attachable to and removable from said cutting mechanism as a unit and comprising a knife guard, means for movably supporting said guard, and means engaged by the work upon introduction of the latter into the machine for moving said guard.

1,499,596. FASTENING DEVICE. ROBERT C. RUSSELL, Dallas, Tex., assignor to Rees-Russell Manufacturing Company, Dallas, Tex., a Copartnership comprised of William Rees, Robert C. Russell, and Evan Rees. Filed May 22, 1923. Serial No. 640,678. 5 Claims. (Cl. 151—14.)



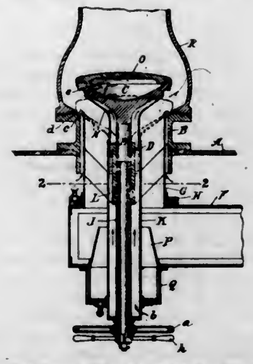
1. A fastening device for engaging screw threads comprising a collar having an annular pocket, and a resilient split ring adapted to expand into said pocket when engaged with screw threads.

1,499,597. RAIL. NEIL E. SALSICH, Bethlehem, Pa. Filed Mar. 20, 1923. Serial No. 626,361. 3 Claims. (Cl. 238—148.)



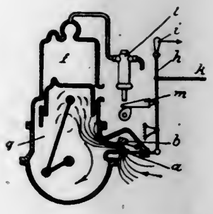
1. A method of treating a rail having a flange groove which consists in heating the bottom of the groove and thereafter in immediately cooling the heated bottom.

1,499,598. DEVICE FOR DISCHARGING COMBUSTION GASES FROM SUBMARINES. WILHELM SCHMIDT, Cassel-Wilhelmshohe, Germany. Filed Sept. 27, 1922. Serial No. 590,812. 12 Claims. (Cl. 114—16.)



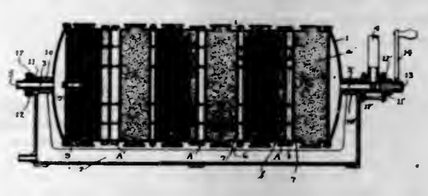
1. In combination with a passage for the discharge of hot gases, and particularly the combustion gases of power plants for the operation of submarines, and with a shut-off device adapted to control said passage, and a seat for said device, a protective device for throwing a screen of a gaseous medium between the meeting surfaces of said shut-off device and of its seat, so as to protect said surfaces against contact with the hot gases.

1,499,599. AIR SUPPLY FOR INTERNAL-COMBUSTION ENGINES. EDUARD SEPPELER, Berlin-Neukolln, and PAUL SCHÜTTLER, Berlin-Halensee, Germany. Filed Aug. 29, 1921. Serial No. 496,434. 7 Claims. (Cl. 123—123.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



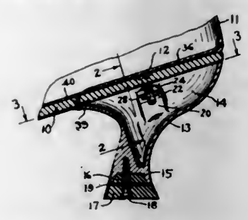
1. In an internal combustion engine in combination, a fuel pump, an air inlet, means for adjusting said air inlet in accordance with the regulation of said pump and an air-float at the rear of said air inlet.

1,499,600. MAKING COLLOIDAL SUSPENSIONS. CAROLYN S. SMITH, Brooklyn, N. Y. Filed Apr. 5, 1922. Serial No. 549,907. 6 Claims. (Cl. 204—25.)



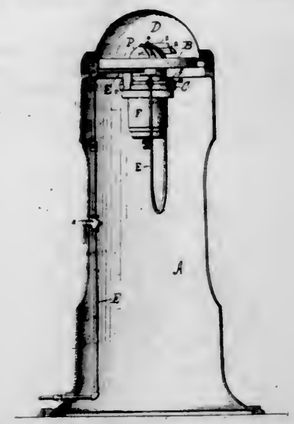
1. In a filtering tank a plurality of sections through which liquid under pressure percolates, each section containing a chamber filled with electrolytic materials and a chamber containing an inert mixture of metal and silica.

1,499,601. SHOE HEEL. ERROLL M. AUGUR, New Haven, Conn. Filed Jan. 10, 1922. Serial No. 528,281. 3 Claims. (Cl. 36—40.)



1. In a heel structure, a metal body having a top cavity, oppositely disposed lugs, provided on the sides of the body, having slots therein extending longitudinally of the heel, a member adjustably mounted in the slots and spanning the cavity, and fastening members designed to be secured to the shoe and to said member at spaced points transversely of the heel, said lugs being relatively short and having the slots opening through the edges thereof to admit said member.

1,499,602. COMPASS. ROYAL E. BIBBINS, New York, N. Y., assignor to Bibbins Ball Compass, Inc., a Corporation of Delaware. Filed May 17, 1921. Serial No. 470,291. 5 Claims. (Cl. 33—204.)



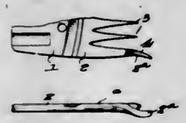
1. A compass which comprises a spinning ball adapted to be supported and driven by a current of air under proper conditions of pressure and direction, whereby the directive force of said compass is supplied, a covered vessel adapted to contain said spinning ball without physical contact therewith and carrying a compass card,—said vessel being adapted to float freely suspended in a current of air and to be controlled by the directive force of said spinning ball,—and means depending from said vessel whereby it is steadied and its centre of gravity lowered with relation to its point of suspension.

1,499,603. LOOM SHUTTLE. ALEXANDRE BOITEL, Puteaux, France, assignor to Georges Delmousee, Paris, France. Filed Jan. 4, 1923. Serial No. 610,554. 7 Claims. (Cl. 139—125.)



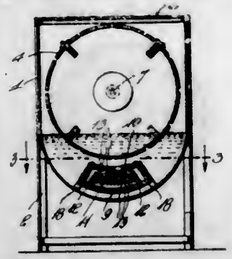
1. A shuttle enabling any loom to operate as a loom with a continuous weft feed, comprising a shuttle body, and means carried by said body and having thread hooks terminating exteriorly of the ends of the body and movable endwise thereof by inertia, whereby as the body is propelled in alternate directions, the hooks will by inertia, be alternately moved into operative and inoperative positions.

1,499,604. SHEEPSHEARING-MACHINE COMB. FRANCIS GEORGE WILLIAM BRISTOW, Sydney, New South Wales, Australia. Filed Jan. 4, 1922. Serial No. 526,978. 7 Claims. (Cl. 30—1.)



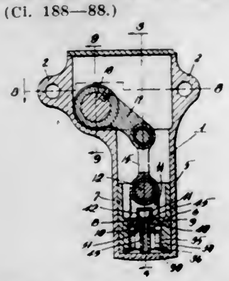
1. A sheep shearing machine comb comprising a plurality of intermediate teeth, and an end tooth extending beyond the arc formed by the tips of the intermediate teeth, said extended tooth being outwardly splayed, the extended portion of said tooth being downwardly curved and the tip thereof blunted.

1,499,605. CLOTHES-WASHING MACHINE. ORA S. BROWN, Virginia, Minn. Filed Feb. 27, 1922. Serial No. 539,480. 3 Claims. (Cl. 68—18.)



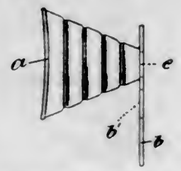
1. In a washing machine, a tub designed to contain a cleaning fluid, a clothes cylinder rotatable in the tub and spaced from the bottom thereof, said cylinder being equipped with openings to permit the circulation of water therethrough, and a body located in said tube and spaced from both the cylinder and bottom of the tub to permit free circulation of the cleaning fluid, the opposed longitudinal sides of said body converging toward said clothes cylinder to direct the fluid through the openings in said cylinder when the latter is set into rotation.

1,499,606. SHOCK ABSORBER. ELLIOTT S. CHURCH, Newton, and FREDERICK J. SHEPARD, Jr., Auburndale, Mass. Filed Mar. 20, 1922. Serial No. 545,211. 11 Claims. (Cl. 188—88.)



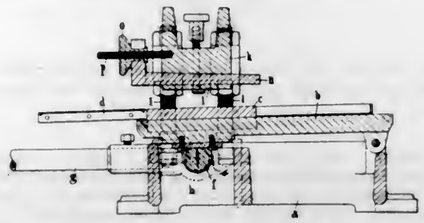
1. In a shock absorber, a pair of relatively movable members adapted to be interposed between the body and axle of a vehicle, means permitting said members to move freely relatively in one direction, and means interposing a resistance to the relative movement of said members in the opposite direction depending in extent directly on the speed of relative movement of said members.

1,499,607. FIBER-TREATING APPLIANCE FOR DRAWING AND PREPARING FIBERS FOR SPINNING INTO YARNS. JAMES HENRY DAWSON, Brierfield Mills, near Burnley, England. Filed Mar. 10, 1921. Serial No. 451,147. 14 Claims. (Cl. 19—150.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



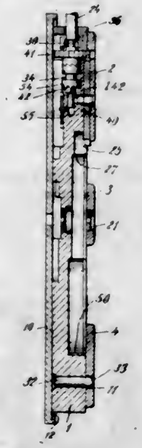
9. A fiber treating device for conducting a sliver comprising a trough or conduit having a narrow elongated portion and provided at one end with a splayed mouth or inlet and at the other with a contracted outlet, and an intermediate series of fiber-contacting ribs projecting inward from the enclosing wall of the conduit and arranged in planes right angular to the sliver path.

1,499,608. EMBOSSING APPARATUS. FRANK HEDLEY EVANS, Beaconsfield, and HAROLD AGUTTER EVANS, South Harrow, England, assignors to George Stanley Walpole, London, England. Filed Oct. 2, 1922. Serial No. 591,970. 10 Claims. (Cl. 101—3.)



1. An embossing machine comprising a frame, a table hinged at one end to said frame, a lower platen normally carried by said table at an angle to the horizontal plane of said frame, a vertically adjustable upper platen, and means for raising said lower platen to a position of parallelism with respect to said upper platen.

1,499,609. WATCH-WINDING DEVICE. JOSEPH A. FREUND, Newtonville, Mass., assignor to The Keystone Watch Case Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1919, Serial No. 283,324. Renewed Feb. 3, 1921. Serial No. 442,324. 3 Claims. (Cl. 58—68.)



1. In watch movements, a thick dial plate, a series of cooperating relatively thin bridge members removably secured to one side of said dial plate, a dial of approximately the same thickness as said bridge members secured to the other side of said dial plate, a winding stem having at one end a reduced diameter winding stem pivot and having a polygonal portion to rotate therewith the longitudinally movable clutch pinion, a winding pinion secured to said winding stem, there being a series of recesses formed in said dial plate to constitute a bearing aperture for said winding stem pivot and to constitute a thrust block recess of larger diameter than said winding pinion to permit the endwise insertion of said winding stem and cooperating parts into said dial plate, and a winding pinion thrust block removably secured in said thrust block recess to determine the penetration of its teeth with the teeth of the cooperating crown wheel.

1,499,610. MECHANICAL PENCIL. BYRON B. GOLDSMITH, New York, N. Y. Filed Apr. 21, 1921. Serial No. 463,248. 6 Claims. (Cl. 120—18.)



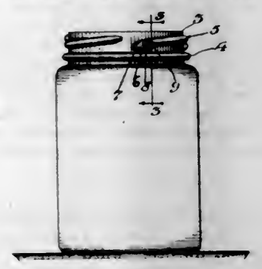
4. A pencil of the character set forth in claim 1 hereof, wherein a casing is provided with a revoluble tip to which the container is fixed and wherein a fixed jaw within the casing receives the wing.

5. A pencil of the character set forth in claim 4 hereof, wherein the jaw is formed by a shell fixed within the casing and having a slotted bottom.

1,499,611. PHOSPHORIC ACID IN DEHYDRATED FORM AND METHOD OF MAKING THE SAME. JAMES H. GRAVELL, Elkins Park, Pa. Filed May 9, 1922. Serial No. 559,597. 2 Claims. (Cl. 23—1.)

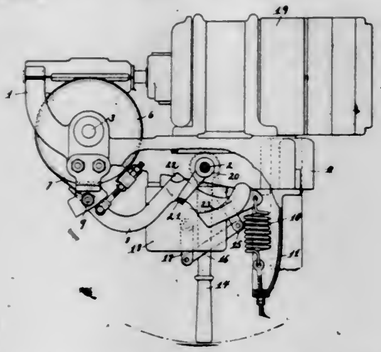
1. The method of making phosphoric acid in liquid and dehydrated form which consists in treating phosphoric acid with phosphorus pentoxide and adding alcohol.

1,499,612. GLASS CONTAINER. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Nov. 29, 1922. Serial No. 603,989. 16 Claims. (Cl. 215—1.)



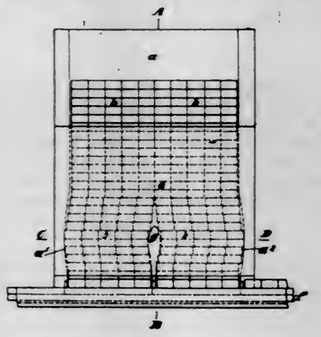
1. A glass container made from the use of a mold, the parts of which swing in a plane perpendicular to the axis of the container, and having a projection inclined downwardly from the top of the container, the configuration of the under surface of the projection at or near the parting of the mold parts being such as to prevent binding action between the said projection and mold when the latter is opened.

1,499,613. HOISTING MECHANISM. CHARLES HAYES, Brooklyn, N. Y., assignor to Gillis & Geoghegan, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 27, 1921. Serial No. 464,905. 6 Claims. (Cl. 192—2.)



1. In a mechanism of the character set forth, a brake lever arranged to apply a brake by exerting a normally constant tension thereon, an arcuate surface on said lever, an operating lever, and means mounted on the shaft of said operating lever and cooperable with said arcuate surface.

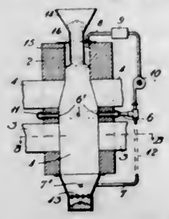
1,499,614. MATCH-BOX-FILLING MACHINE. LUDWIG HENNINGER, Durlach, Germany, assignor to Badische Maschinenfabrik & Eisengiesserei vorm. G. Sebold and Sebold & Neff, Durlach, Germany. Filed June 7, 1922. Serial No. 566,523. 1 Claim. (Cl. 198—30.)



In a match-box filling machine, the combination of a storage receptacle for the piles of boxes, a double-wedge-shaped stationary dividing tongue, situated at the middle of its lower portion adapted to displace the downward moving boxes in opposite directions and recessed side walls in said receptacle adapted to permit said lateral displacement and to move said boxes together again.

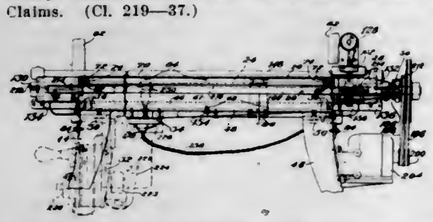
1,499,615. ELECTRICAL HEAT TREATMENT OF MATERIAL. TORSTEN ANDREAS FRITHIOFSSON HOLMGREN, Stockholm, Sweden. Filed Oct. 19, 1921. Serial No. 508,815. 2 Claims. (Cl. 204—64.)

1. The process of treating material in electric furnaces, which consists in passing the charge of material between electrodes disposed opposite each other and in contact with the charge throughout substantially its entire breadth, supplying an electric current to said electrodes thereby to form at least one heating zone approximately at right-angles to the direction of movement of the charge and extending throughout the entire cross-section thereof, introducing gas into the furnace chamber below the electrodes and passing said gas in the opposite direction from the charge and through at least one heat-



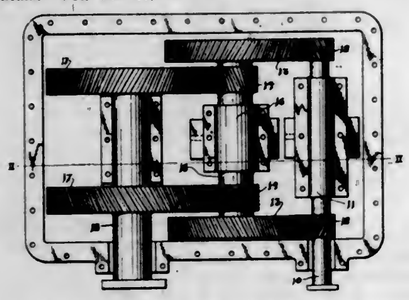
ing zone, and conducting said gas into contact with a part of the charge which has not reached the heating zone.

1,499,616. HEATING APPARATUS. ALBERT E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 12, 1920. Serial No. 416,501. 41 Claims. (Cl. 219—37.)



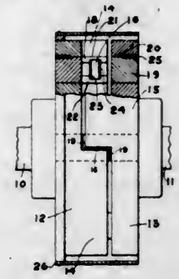
11. Heating apparatus having, in combination, an electrically heated support of heat storage capacity upon which the material to be heated is placed, a movable electric heating device disposed in proximity to said support for heating the material to the desired temperature as it moves past it, and means for interrupting the supply of electric energy to said support and said heating device, leaving the support of heat storage capacity to maintain the heated material in heated condition after the supply of electric energy is interrupted.

1,499,617. REDUCTION GEARING. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed May 10, 1921. Serial No. 468,439. 3 Claims. (Cl. 74—7.)



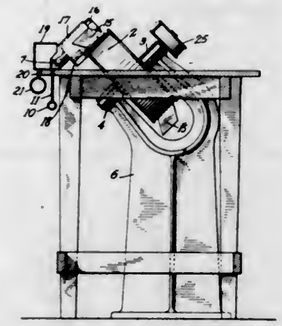
1. In a reduction gear, the combination of meshing pinion and gear members, each having a plurality of toothed portions, supporting means for the pinion and gear members arranged between the toothed portions so that the latter overhang the supporting means, said means furnishing the entire support of the respective pinion and gear members, and flexible means for supporting the pinion supporting means.

1,499,618. SHAFT COUPLING. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed July 12, 1921. Serial No. 484,071. 16 Claims. (Cl. 64—96.)



1. A coupling for a pair of rotatable elements comprising a pair of coupling members having opposed recesses and disk-shaped transmitting members in the recesses having spherically-shaped edges bearing against the recesses.

1,499,619. BOTTLE-CAPPING MACHINE. KENNETH H. KIEFER, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,645. 9 Claims. (Cl. 226—80.)



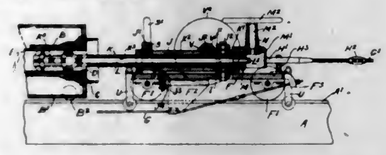
1. In a bottle capping machine, the combination of means for advancing the bottle neck down at an angle to the vertical, a tank for containing a coating liquid, means for dipping and withdrawing the bottle into and out of the tank, and means for withdrawing the gases over the liquid and recovering vapors therefrom.

1,499,620. RETRACTABLE PIPE SUPPORT. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed June 12, 1923. Serial No. 644,954. 3 Claims. (Cl. 22—94.)



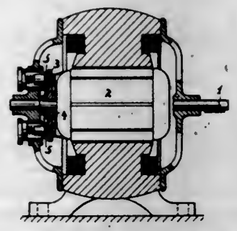
3. Mechanism for supporting cast pipes as they are drawn from a mold comprising a guideway for a carriage, a carriage supporting pipe, gripping mechanism movable to and fro on said guideway, pipe supporting means pivotally supported below the guideway so that they can be turned to operative position or to inoperative position out of the path of the carriage, means connected to said pivoted supports for retaining them in either operative or inoperative position and means actuated by the moving carriage whereby the pipe supporting means are successively brought to operative position as the carriage draws a pipe over them and retracted in advance of the carriage as it moves towards the mold.

1,499,621. MECHANISM FOR DRAWING CAST PIPES FROM MOLDS. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed June 12, 1923. Serial No. 644,955. 5 Claims. (Cl. 22—94.)



2. Mechanism for drawing cast pipe from molds comprising a longitudinally movable carriage, a longitudinally extending guide, a universal joint whereby the guide is secured to the carriage, elastic supporting and aligning means for supporting the free end of the guide, a tubular support for pipe gripping mechanism, longitudinally movable in said guide, means for moving said tubular support in the guide, pipe gripping mechanism supported on the end of the tubular support, a rod for actuating the gripping mechanism movable in the tubular support and means for moving said rod to actuate the gripping mechanism.

1,499,622. DISK COMMUTATOR FOR ELECTRO MOTORS AND DYNAMOS. HERMANN MARKWALDER, Wurenlos, Switzerland. Filed July 23, 1923. Serial No. 653,296. 1 Claim. (Cl. 171—320.)

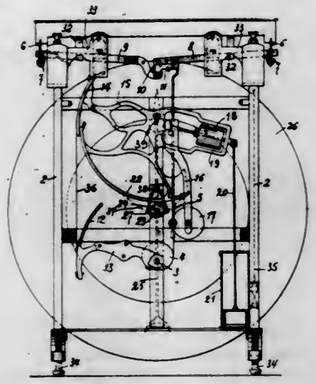


A disk commutator for electro motors and dynamos comprising in combination with the rotor shaft a commutator disk made of insulating material mounted on said rotor shaft, and contact plates fastened to the sides of said disk designed to come in contact with the brushes so that said commutator disk may be reversed after one side has become worn out so that the other side may be used.

1,499,623. AUTOMATIC WEIGHING APPARATUS. MARIUS MATHIEU, Paris, France. Filed May 7, 1921. Serial No. 467,752. 3 Claims. (Cl. 265—62.)

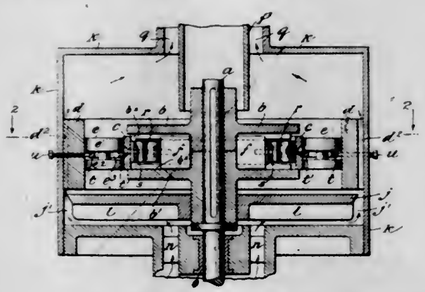
1. An automatic weighing apparatus comprising in combination a frame, a scale pan above said frame, lugs one at each end of the scale pan, suspension hooks in said lugs, two supporting levers oscillably mounted in said frame and supporting on their ends said scale pan, a link connecting the inner ends of said oscillating levers, an axle journaled in said frame, a cam having a rectifying curve keyed on said axle, a metal band attached with one end to said rectifying cam and partly wound around the same and means connecting said band with the other end to said system of supporting levers,

an oscillating arm keyed on said axle of the rectifying cam, a beam, an axle for oscillably mounting said beam in said frame, an oscillating arm keyed on the axle of said beam, a circular segment at the end of said oscillating arm on the beam axle, a metal band attached with



one end to said circular segment on which it is guided and attached with the other end to the oscillating arm of the axle of the rectifying cam, and a downwardly extending lever for said beam axle and a counterweight on the end of said lever for balancing said beam.

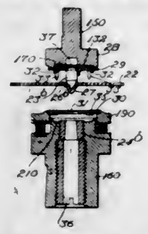
1,499,624. GRINDING MACHINE. KRISTIAN MIDDELBOE, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Mar. 8, 1921. Serial No. 450,533. 6 Claims. (Cl. 83—45.)



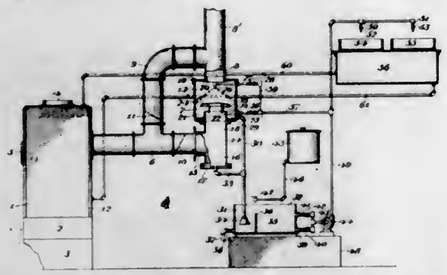
1. In a grinding machine, the combination of a grinding ring, cylindrical grinding bodies co-operating with the grinding ring and channeled circumferentially between their ends, and an annular guide engaging the circumferential channels of the grinding bodies to maintain them with their axes substantially in fixed relation with the axis of the grinding machine.

1,499,625. METHOD OF SETTING FASTENERS. WILLIAM C. J. MILLER and VINCENT P. RUMELY, Detroit, Mich. Original application filed Nov. 17, 1922, Serial No. 601,544. Divided and this application filed July 10, 1923. Serial No. 650,609. 4 Claims. (Cl. 218—29.)

2. The herein described method of setting in fabric fasteners having tubular shanks, which consists in cupping the fabric at a point at which a fastener is to be set and removing the cupped portion of said fabric by means of a punch to form a hole of greater diameter than said punch, forcing the shank of the fastener over said punch and through said hole while said punch remains therein, and clinching said shank on the opposite side of said fabric from that from which the fastener is inserted.

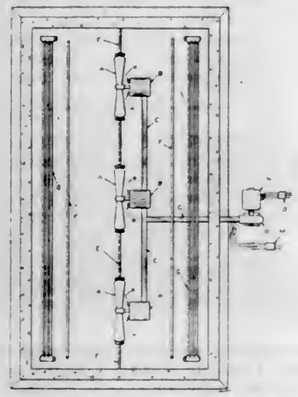


1,499,626. METHOD OF AND APPARATUS FOR TREATING NITROGENOUS WASTE MATERIALS. FRANK N. MOERK, Philadelphia, Pa., assignor of one-half to Clarence P. Landreth, Philadelphia, Pa. Filed Mar. 25, 1920. Serial No. 368,602. 12 Claims. (Cl. 23—21.)



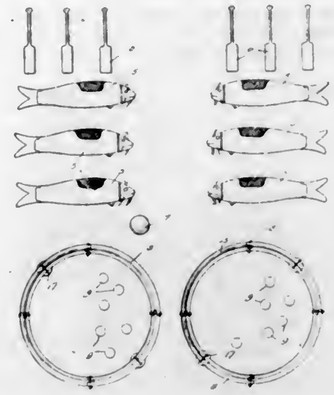
1. The process of disposing of nitrogenous waste material, which comprises incinerating the material, washing the resulting gases with an absorption liquid, recovering absorbed material from said liquid, and adding said material to the ash resulting from incineration.

1,499,627. REVERSIBLE-CIRCULATION INTERNAL-FAN KILN. ROLF THELEN, Madison, Wis. Filed July 21, 1921. Serial No. 486,564. 1 Claim. (Cl. 34—19.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



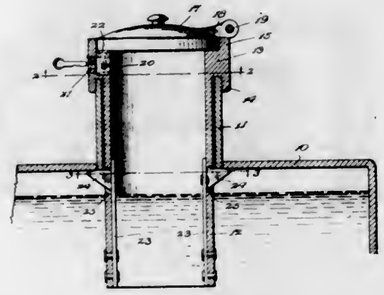
In a drying apparatus the combination with a receptacle containing the material to be dried of a series of motor-driven reversible fans mounted in a row lengthwise of the interior of said receptacle and a common means for supplying cold air to cool all of the motors.

1,499,628. AQUATIC GAME. DON L. ALGER, Avalon, Calif. Filed Sept. 19, 1923. Serial No. 663,533. 4 Claims. (Cl. 46—61.)



1. In an aquatic game of the character set forth, a pair of buoyant goal elements within each of which is to be positioned a series of buoyant counting elements, a buoyant playing ball, a series of buoyant participant supporting elements, and a steering and batting paddle for each participant for use in assisting in moving from place to place and for striking the ball in endeavoring to knock the same into the goal piece of the opposing side.

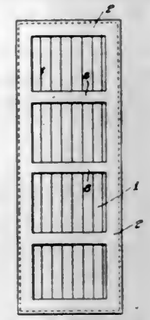
1,499,629. CLOSURE FOR TANKS OR THE LIKE. CLARENCE L. ARNOLD, Columbus, Ga. Filed Jan. 10, 1923. Serial No. 611,876. 8 Claims. (Cl. 220—24.)



1. The combination with a container having a filler pipe, of a closure including a shell extending within the pipe, means securing the shell to the outer end of the pipe, means carried by the shell to engage the pipe locking the shell against outward displacement, and a lock controlled movably mounted cover closing the shell.

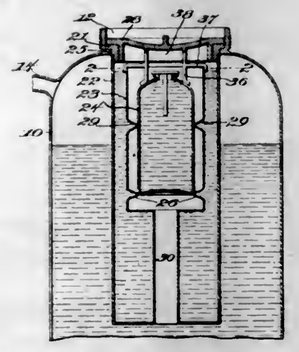
1,499,630. PORTABLE WALL SECTION FOR HOUSE BUILDING. KARL HELMER ARONSSON, Huvudsta, Sweden, assignor to Einar Johannes Wiel-Berggren, Morby, Stocksund, Sweden, Forester. Filed June 2, 1923. Serial No. 643,114. 1 Claim. (Cl. 20—4.)

Portable wall-sections for house-building comprising a plate or panel and rails fixed on opposite sides of the said panel, at the edges of same and extending outside the edges of the plate, the said rails effecting grooves, in which and corresponding grooves in the adjacent



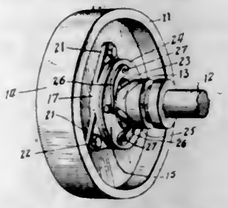
wall-section, roof-sill, bonding-sill, window-frame, door-case, etc., tightening feathers may be introduced for fixing the said sections.

1,499,631. FIRE EXTINGUISHER. RALPH W. AUSTIN, Quincy, Mass. Filed Sept. 20, 1922. Serial No. 589,355. 7 Claims. (Cl. 23—5.)



7. A carbonate solution for fire extinguishers comprising as essential ingredients potassium carbonate and potassium hydroxide substantially in the proportions of 3 to 1.

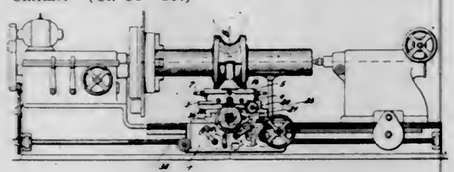
1,499,632. CLUTCH RING. HERBERT BANKE, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 17, 1920. Serial No. 424,586. 2 Claims. (Cl. 192—110.)



1. In a friction clutch wheel, the combination of a shaft, a wheel which may run freely relative to said shaft or be frictionally clutched therewith, a body element keyed with the shaft and forming a journal on which said wheel is mounted and having a flange extending radially beyond its journal portion, expansible friction elements movably mounted at the inner side of said flange, pivot elements extending through said flange and having their inner ends constructed to expand said expansible elements, a clutch shifter and

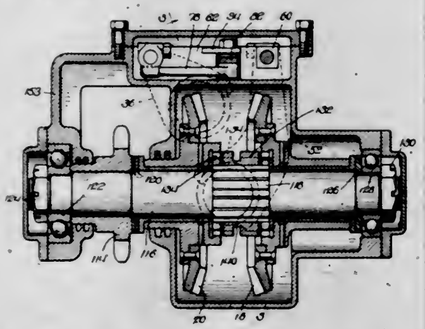
means for thereby turning said pivot elements, and a continuous clutch ring rigidly secured to and separable from said wheel and enclosing said expansible elements and engaged on its edge by said flange of the body element.

1,499,633. LATHE. HANS BECKER, Dusseldorf, Germany. Filed Aug. 5, 1921. Serial No. 490,058. 3 Claims. (Cl. 82—19.)



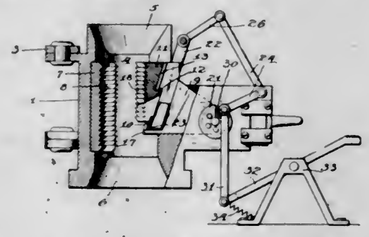
1. In a device of the kind described in combination, a lathe carriage, a compound slide rest adapted to turn in a horizontal plane, a cutting tool carrier on said slide rest, a rotary cam disc and gearing for imparting to said slide rest a reciprocating forward and return motion, and a worm gear for imparting to it an angular motion.

1,499,634. TRANSMISSION. RAYMOND A. BECKWITH, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 5, 1922. Serial No. 558,630. 25 Claims. (Cl. 74—59.)



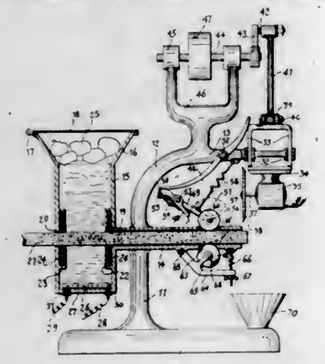
1. In combination, two shafts, four sets of two gears each, one gear of each set being on each shaft, and means for connecting said shafts through any one of three of said sets, or through the fourth set in series with two other sets.

1,499,635. TUBING SPIDER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Mar. 18, 1922. Serial No. 544,903. 9 Claims. (Cl. 24—241.)



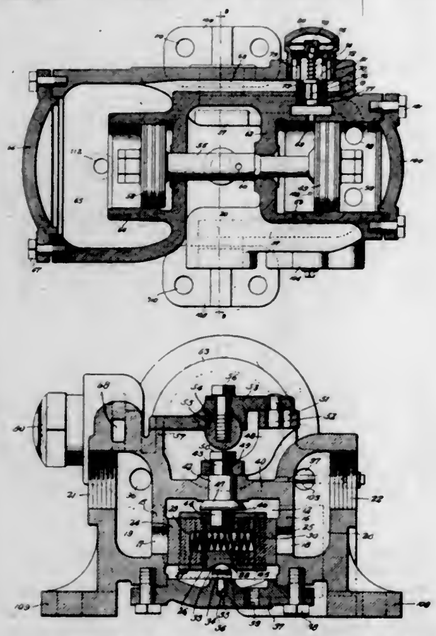
2. A piping spider composed of two sections, means for securing the two sections together, the two sections being so arranged as to form a substantially cylindrical passage therethrough when the two sections are together, a rocking arm journaled in one of the sections and adapted to project into said passage, and means cooperating with the journal for positively locking said arm against accidental displacement from said passage.

1,499,636. PROCESS OF MAKING CORK DISKS. RALPH W. BOOTH, Brooklyn, N. Y. Filed Jan. 17, 1923. Serial No. 613,275. 2 Claims. (Cl. 144—309.)



1. The process of cutting rods of cork or other suitable materials into comparatively thin disks, which consists in first applying a thin coat of paraffin, ceresin or similar oily, fatty or waxy materials to said rods and then passing said rods through suitable devices for the cutting of said disks.

1,499,637. ATTACHMENT FOR LOCOMOTIVES. RICHARD W. BRADEN, New York, N. Y., and CHARLES STERN, Jersey City, N. J., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 7, 1923. Serial No. 623,525. 11 Claims. (Cl. 121—137.)



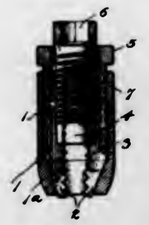
11. In combination with a locomotive having a source of steam and valve chests, of an attachment therefor comprising a chamber in communication separately with the source of steam and the steam chests, valve means in the casing for controlling the communication between the source of steam and said steam chests, and actuating means for said valve means being remote and independent of said valve means and coupled thereto, said actuating means having opposed surfaces of differential area alike accessible to the pressure within the steam chests whereby such pressure acting against the surface of larger area will shift the actuating means in one direction to close said valve means, and means to trap the steam pressure against the face of the actuating means having the smaller area whereby, when the steam chest pressure falls, such accumulated pressure will act to shift the actuating means in the opposite direction and open said valve means.

1,499,638. CAR-CONTROLLING DEVICE. LLOYD ARLINGTON BRAKE, Crawfordsville, Ind. Filed Mar. 16, 1923. Serial No. 625,605. 3 Claims. (Cl. 213—211.)



1. The combination with a track and a train of cars thereon, and a releasable coupling for the cars of the train, a brake carried by the track and cooperable with the cars, and means operated by the cars of the train for setting the brake, the brake also being engageable with the releasable coupling of the cars for successively uncoupling the same.

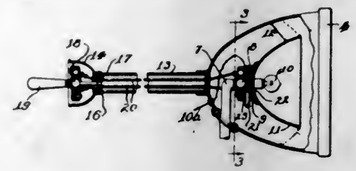
1,499,639. CHUCK. LAWRENCE A. BURCH, Jamestown, N. Y. Filed Dec. 7, 1922. Serial No. 605,459. 4 Claims. (Cl. 279—36.)



1. A tool holding device of the class described comprising a socket, a pair of jaws mounted therein, a jaw holder for adjusting the jaws by reciprocal movement with respect to the socket, an independent adjusting means for said jaws disposed intermediate the holder and the socket, means upon the adjusting means to engage the jaw holder and effect joint rotation therewith, and means upon said adjusting means for its rotative adjustment relative to the socket.

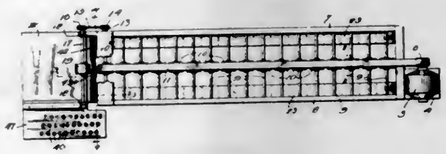
1,499,640. DIRIGIBLE LAMP. LUCIUS D. COPELAND, Sawtelle, Calif. Filed Nov. 16, 1921. Serial No. 515,529. 1 Claim. (Cl. 240—41.)

In an automobile the combination of lamp holder casings attached to the frame of the machine; posts secured to the frame of the machine, said posts extending into said casings and having arms terminating in rounded knobs; lamp blocks mounted on said knobs for rotative movement; lamps and reflectors mounted on said blocks; a rod connecting the block in one casing with the block in the other casing; a tube extending from one of the lamp holder casings to the steering wheel of the machine; a pierced plug in said tube adjacent the steering wheel; a rod projecting from said plug, said rod terminating in a round knob; a control handle mounted on said last knob for rotative movement; wires extending from the



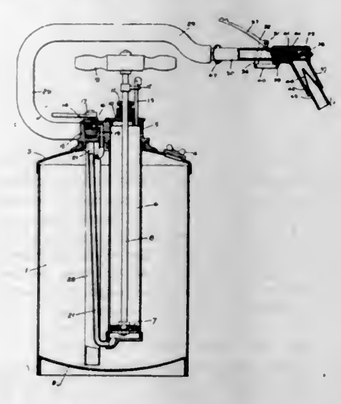
base of said control handle to and connected to said lamp block; and springs connected to the reflectors and to the lamp holder casings.

1,499,641. SORTING MACHINE. GEORGE W. COX, Jr., Washington, D. C., assignor to National Assorting Company, Washington, D. C., a Corporation of Delaware. Filed July 20, 1920. Serial No. 397,761. 31 Claims. (Cl. 214—11.)



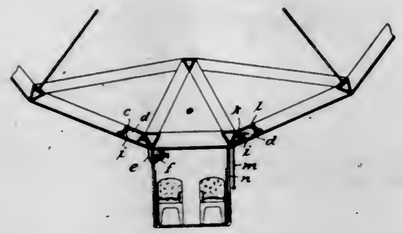
1. In a sorting machine, a plurality of receptacles, conveyor elements extending longitudinally over the receptacles, guide members having a portion extending in substantial parallelism with said elements and thence directed towards said receptacles, a selector adapted to deliver an article to any of said members, and means for feeding the article to said selector.

1,499,642. FILLER TANK. HUGH CRAIG, Calgary, Alberta, Canada. Filed June 15, 1923. Serial No. 645,585. 6 Claims. (Cl. 221—80.)



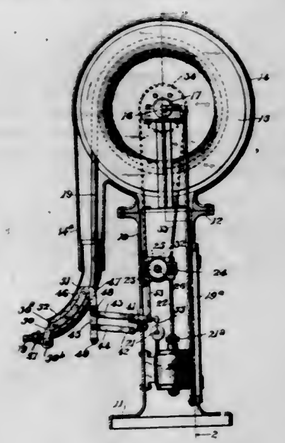
1. A filler tank comprising a sealed tank body, a single co-acting air pump mounted within the tank, a pipe adapted to serve either as an inlet or outlet communicating with the bottom portion of the tank, and means co-acting with the pump for increasing or decreasing at will the air pressure in the upper portion of the tank.

1,499,643. MOUNTING OF PARACHUTES. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to the Firm: Dornier, Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Nov. 17, 1922. Serial No. 601,596. 2 Claims. (Cl. 244—21.)



1. Air craft comprising in combination a hull, a closed cabin suspended from and closely adjoining said hull, a receptacle in said hull directly adjoining an outer wall of said cabin above an opening in said wall, a parachute stored in said receptacle and a cord suspended from said parachute in front of said opening.

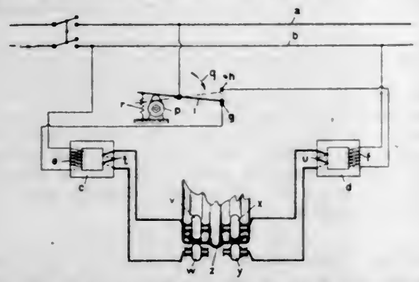
1,499,644. AUTOMATIC HOSE REEL. ANTONE DOWRELIO, Crockett, Calif. Filed June 19, 1923. Serial No. 646,422. 9 Claims. (Cl. 242—86.)



1. An automatic hose reel comprising a frame, a drum rotatably supported thereby, a hose reeled on said drum, a driving motor carried by the frame operatively connected to said drum for driving the same in a direction tending to wind said hose on the drum, and means operated by the hose adapted to render the connection between the motor and the drum inoperative whereby the hose may be unreeled from the drum.

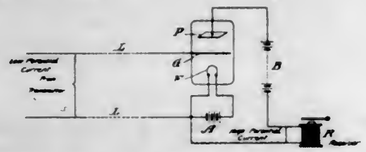
1,499,645. ELECTRIC WELDING. SVEND DYHR, Berlin-Charlottenburg, assignor to Deutsche Schweiss-Maschinen-Fabrik Becker & Co., A. G., Berlin-Schoneberg, Germany. Filed Aug. 26, 1921. Serial No. 495,772. 2 Claims. (Cl. 219—10.)

1. In a process of welding by alternating electric currents in accordance with the resistance principle, producing a plurality of series of spot welds in one and the same piece of work by pairs of electrodes each of which takes current from a separate low-tension transformer, the primary coils of the low-tension transformers being supplied with current at alternate intervals, whereby the period of welding at one pair of electrodes is made to



correspond with the non-welding period of another pair of electrodes and the individual welds are separated in time and space.

1,499,646. TELEGRAPHY. AUGUST EBELING, Berlin-Schoneberg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 24, 1921. Serial No. 495,087. 2 Claims. (Cl. 178—63.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



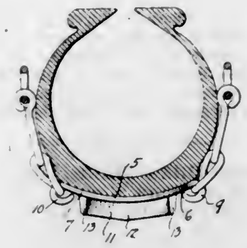
1. The method of eliminating disturbing inductive effects of telegraph lines or the like on neighboring lines, which consists in reducing the working current, normally required to operate the receiving instrument, to a value at which its inductive effect on neighboring lines becomes negligible, and in amplifying said subnormal working current at the receiving end of the line to a value suitable to operate the receiving instrument.

1,499,647. COMBINATION DRAWERS AND ABDOMINAL SUPPORT FOR MEN. ANNIE EMSLEY, Providence, R. I. Filed July 14, 1923. Serial No. 651,578. 11 Claims. (Cl. 2—236.)



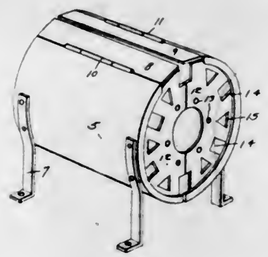
6. A one-piece undergarment for men, comprising a boned abdominal supporting belt portion and a drawers portion permanently attached to the lower edge thereof.

1,499,648. TIRE-CHAIN SHOE. EARL FRANCIS, Minot, N. Dak. Filed Dec. 9, 1922. Serial No. 605,857. 1 Claim. (Cl. 152—14.)



A tire chain shoe consisting of a plate longitudinally curved in accordance with the degree of curvature of the tread of an average size tire, said plate being relatively narrow and having its end portions gradually reduced and continued by elongated extensions, each of said extensions being substantially circular in cross section and extended back upon the plate and toward each other to provide a relatively large eye and a traction lug formed integral with the convex face of the plate, said lug projecting beyond the eyes in spaced relation thereto, said eyes serving as mud lugs.

1,499,649. ICE-CREAM-CONE-BAKING MACHINE. GIUSEPPE GERACE, Lebanon, Pa. Filed Nov. 1, 1923. Serial No. 672,113. 5 Claims. (Cl. 107—58.)



1. The combination with a cone baking machine comprising a plurality of mold sections rotating about a horizontal axis and a core carrying arm associated with each of said mold sections and mounted to swing radially outward, of a casing within which said mold sections travel, said casing comprising a fixed cylindrical portion and a rotative end wall and moving with the mold sections.

3. A structure as recited in claim 1 wherein said rotative wall has a plurality of notches formed in its periphery within which said radially moving arms lie, during the rotation of the machine.

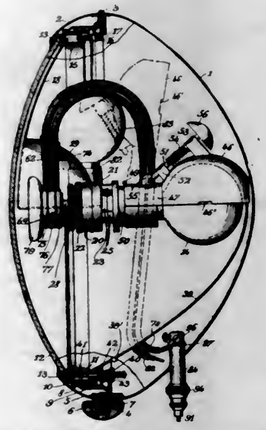
1,499,650. SMOKER'S SET. JOSEPH GOSSNER, New York, N. Y. Filed Feb. 20, 1922. Serial No. 537,803. 1 Claim. (Cl. 131—51.)

A smoker's set, comprising an ash receptacle, a plurality of cigar rests mounted on the edge of said receptacle in such a way as to be movable from operative position to a position within said receptacle, and a cover



fitting on said receptacle when said cigar rests are stored within the same.

1,499,651. SEARCHLIGHT. STEPHEN GREBEL, Paris, France. Filed Oct. 11, 1922. Serial No. 593,752. 10 Claims. (Cl. 240—41.)

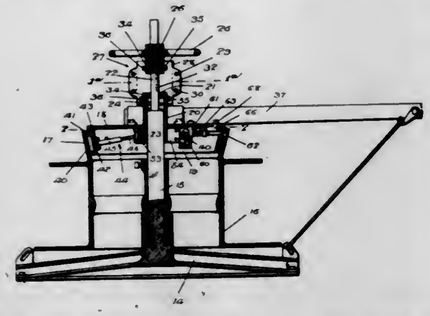


1. A search light particularly for automobiles, comprising in combination, a casing, a cover hinged to said casing, a reflector consisting of the lower half of a paraboloid arranged coaxially to and in the rear part of said casing, a lamp arranged in the axis of said reflector and pointing towards the rear part of said casing, a lamp supporting member consisting of a ring shaped part hinged to said casing, a plate fixed to said ring shaped part and extending over the upper half of the casing and a cylindrical portion integral with said plate and coaxially arranged with said casing for supporting the lamp, and a spherical reflector arranged above said lamp and limiting the illumination to the part below the horizontal plane of the search light.

1,499,652. CLUTCH. SAMUEL P. GRIFFIN, North Judson, Ind. Filed May 19, 1922. Serial No. 562,163. 1 Claim. (Cl. 192—76.)

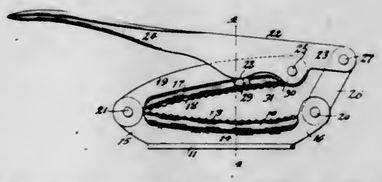
A clutch device comprising a rotary member having an annular flange, a rotary disk having an annular flange within the aforesaid flange and provided with openings,

shoes slidably mounted in said openings for movement toward and away from the disk and for movement toward and away from the center of the disk, said shoes having portions to bear against the inner surface of the second named flange for limiting the outward movement of said



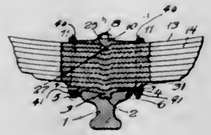
shoes, toggle link connections between said shoes and disk to force the shoes into engagement with the first-named flange when the flanges are moved together, and spring means for urging the shoes toward said member in said openings.

1,499,653. NUTCRACKER. EMMETT G. HAGADORN, Buffalo, N. Y. Filed Aug. 5, 1922. Serial No. 579,823. 1 Claim. (Cl. 146—16.)



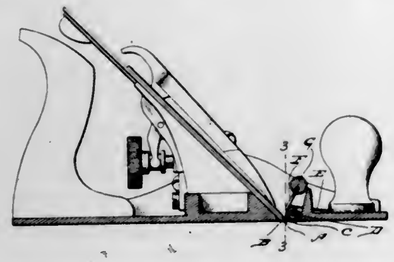
A nut cracker comprising a stationary lower face provided on its upper side with a fixed jaw, an upper vertically movable jaw arranged above the fixed jaw and pivotally connected therewith at one of its ends, a link pivoted at one end of the opposite end of said lower jaw, and a hand lever pivotally connected between it ends to the other end of the upper jaw and having an outwardly projecting arm pivoted to the other end of said link and an inner arm adapted to project over the upper jaw in the closed position of the nut cracker.

1,499,654. VEHICLE SPRING. WILLIAM HASELHERST, Baltimore, Md. Filed June 19, 1922. Serial No. 569,207. 1 Claim. (Cl. 267—52.)



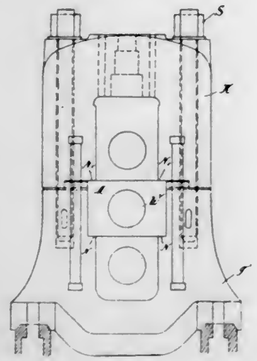
In a vehicle spring seating means, the combination of a lower chair member provided with a lug adapted to fit a recess in the axle of the vehicle and with turned down flanges adapted to fit the opposite rims of said axle; said chair member also provided with one set of ears extending out beyond said rims and with a second set of ears extending longitudinally of said axle and also provided with a partially spherical depression in its top surface opposite said lug; a plurality of spring leaves each provided with a partially spherical projection and depression in its central portion adapted to nest with each other, the lowest projection of said leaves adapted to fit in the first mentioned depression of said chair member; an upper companion chair member having turned up flanges and a partially spherical projection adapted to fit the topmost depression of said leaves, said upper chair member also provided with ears extending beyond the edge of said leaves; U-shaped clamping members coacting with said turned up edges of said upper chair member and passing through the first mentioned set of ears of said lowermost chair member; and bolts passing through the second set of ears of said lowermost chair member and through the ears of said topmost chair member along the outer edges of said leaves.

1,499,655. SMOOTHING PLANE. HARRY W. HARGIS, Charlotte, N. C. Filed May 31, 1923. Serial No. 642,501. 2 Claims. (Cl. 145—5.)



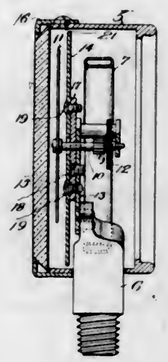
1. In a smoothing plane and in combination with the knife and knife passage thereof, a roller yieldingly mounted in said passage to guide the shavings therethrough, and a guard disposed in proper relation to said yielding roller.

1,499,656. MEANS FOR SUPPORTING THE ROLLS OF ROLLING MILLS. RICHARD HEIN, Witkowitz, Czechoslovakia. Filed Apr. 13, 1923. Serial No. 631,893. 3 Claims. (Cl. 80—55.)



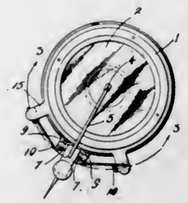
3. A roll supporting standard in a three rolls rolling mill comprising a lower stationary part T, a detachable head or top part K supporting shoulders N in the said lower part for the bearing and supporting member M of the middle roll to rest upon, corresponding shoulders N^1 in the said top part to cooperate with the former for firmly holding the said bearing and supporting member in place and connecting means, such as screws and nuts for rigidly uniting the two parts of the standards with the bearings and supporting member immovably enclosed therebetween substantially as described.

1,499,657. PRESSURE GAUGE. OTTO W. HEISE and CARL H. GRAESSER, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,525. 2 Claims. (Cl. 73—109.)



1. A pressure gauge comprising a cylindrical casing, a transparent cover plate secured to the front end of the casing, the rear end of the casing being arranged to permit free relief of abnormal pressure generated within the casing, a movement supporting frame within the casing, and a dial plate secured at its central portion to the frame and having its peripheral portions free and spaced from the inner wall of the casing.

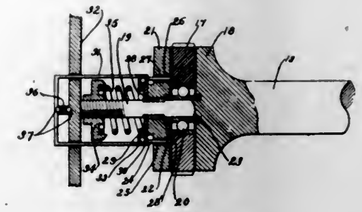
1,499,658. PHONOGRAPH REPRODUCER. JOSEPH HOFFAY, New York, N. Y. Filed May 7, 1920. Serial No. 379,449. 12 Claims. (Cl. 274—35.)



1. A phonographic sound box comprising a casing and a diaphragm in said casing, a stylus carrier having an operative connection with said diaphragm and fulcrumed upon said casing, means for holding said carrier upon its fulcrum, said holding means held by said casing so that it may oscillate with said carrier, and means for varying the pressure on the diaphragm by longitudinal adjustment of said carrier-holding means.

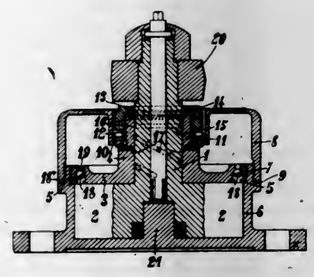
1,499,659. CLUTCH MECHANISM. FREDERICK J. HOLMES, Toledo, Ohio, assignor of one-third to S. H. Foster, Toledo, Ohio. Filed May 4, 1920. Serial No. 378,883. 2 Claims. (Cl. 192—67.)

2. The combination with a rotatable stem, a disk rotatable therewith, and a member rotatable on the stem, of coupling pins carried by the disk and normally disengaged from the member, a spring pressed ring upon the stem, means for transmitting thrust from the ring to the pins for engagement with the member, a yoke extending



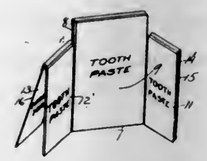
from said means, and a wedge for shifting the yoke to release the pins and move the ring out of normal position.

1,499,660. LIQUID SHOCK ABSORBER. MAURICE HOUDAILLE, Levallois-Perret, France. Filed June 28, 1921. Serial No. 481,155. 9 Claims. (Cl. 188—89.)



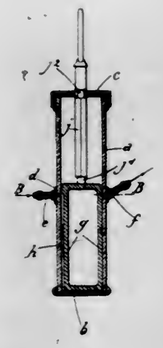
1. In combination, a casing forming a working chamber, a cover member for said chamber having an elongated hollow boss, a shaft member extending through said boss and provided with blades operating in said working chamber, means cooperating with said shaft member and boss to prevent oil from the working chamber reaching the exterior, oil conduits provided in said boss, one of said members being provided with grooves communicating with said conduits, and a second casing forming a compensating chamber adapted to receive oil from said conduits.

1,499,661. ADVERTISING DISPLAY SCREEN. GEORGE S. HURST, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a Corporation of Connecticut. Filed Feb. 1, 1923. Serial No. 616,227. 3 Claims. (Cl. 40—146.)



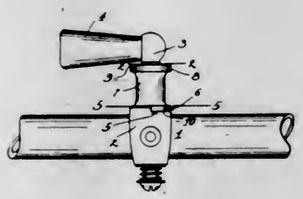
1. A display screen comprising a back piece, side wings hinged thereto, and a flap hinged to the upper edge of each side wing and foldable thereover for assuming positions either forwardly or rearwardly of the back piece and side wings.

1,499,662. VALVELESS SUCTION AND FORCE SYRINGE. LOUIS JURÉ, Paris, France. Filed May 21, 1923. Serial No. 640,473. 1 Claim. (Cl. 128—214.)



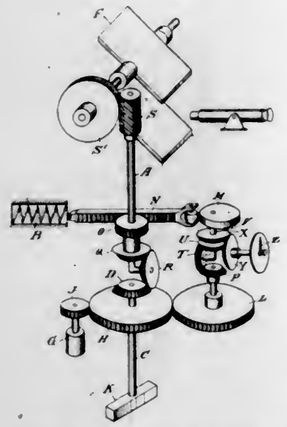
A valveless suction- and force-syringe for any liquids and gases and especially for the transfusion of blood, comprising in combination a cylindrical pump having at opposite points midway of its height two holes, a straight tubular arm for the suction extending from one of said holes, an inclined tubular arm for the forcing extending from the other hole, a piston in said cylindrical body having a groove extending along one of the generating lines to the bottom surface of the piston but not to the upper end of the same, a metal screw cap on the upper end of the cylindrical body having a central square hole, a piston rod of square cross section guided in said square hole of the metal cap, a part of smaller cross section at the point of said piston rod which corresponds with the one end of the stroke of the piston and a part of smaller cross section at the point of said piston rod which corresponds with the other end of the stroke of the piston, arranged so that said parts of the piston rod are situated in the plane of said metal cap at each of the piston strokes and so that the piston may be rotated to bring said groove from one to the other hole to communicate alternately with the suction tube and with the force tube, and a metal cap closing the other end of said cylindrical body.

1,499,663. LOCK FOR VALVES. WILLIAM O. KAISER, Oakland, Calif. Filed May 31, 1922. Serial No. 564,833. 3 Claims. (Cl. 251—164.)



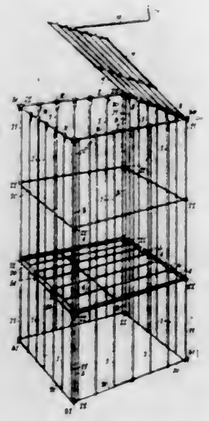
1. In combination with a valve comprising a body and a plug a handle on said plug, a retractible sleeve surrounding said plug, means on said sleeve whereby the plug may be held in closed position, and a notch in said sleeve cooperating with said handle when said sleeve is retracted whereby the sleeve and plug may rotate together.

1,499,664. FIRE-CONTROL ARRANGEMENT. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 25, 1921. Serial No. 495,291. 3 Claims. (Cl. 89—41.)



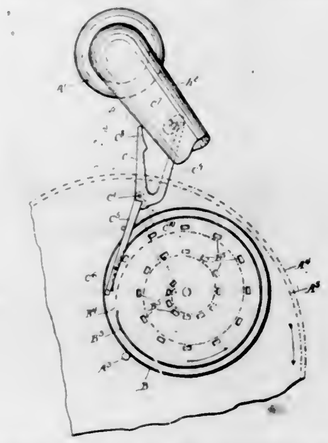
1. In an electrical system for the tele-control of guns, in combination a transmitter for effecting the inclination of the guns, a sighting device, means actuated by the operator for inclining the sighting device in accordance with the direction of the target and for simultaneously setting said transmitter, and additional means mechanically driven by said setting means for automatically imparting a correctional movement to said sighting device corresponding to the delay in gun discharging and the angular velocity of the ship's heeling.

1,499,665. COLLAPSIBLE RUBBISH BURNER. JONAS KAUFMAN, New Castle, Pa. Filed Feb. 9, 1922. Serial No. 535,302. 5 Claims. (Cl. 220—19.)



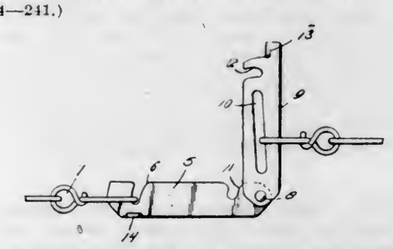
1. A trash burner comprising upstanding walls of open wire construction, foldably connected along their adjacent vertical edges to be foldable flatwise at times, an open lid foldably connected to the top of one wall and adapted to extend across the top of the burner, an open shelf member foldably connected to one wall and spaced a substantial distance above the bottom edges of the upstanding walls and adapted to extend across to the opposite walls, means to hold the shelf member in its extended position, said shelf member being of an area substantially equal to the cross sectional area of the burner at the level of the shelf's location whereby when said shelf member is in the operative position it will restrain the upstanding walls against folding together, said shelf member and said lid adapted to fold flatwise against the wall to which they are foldably connected when said walls are folded flatwise for shipping and storing purposes.

1,499,666. AUTOMATIC STOP FOR SOUND-REPRODUCING MACHINES. JOHN J. KENNEDY, Chicago, Ill. Filed Nov. 27, 1922. Serial No. 603,415. 18 Claims. (Cl. 192—118.)



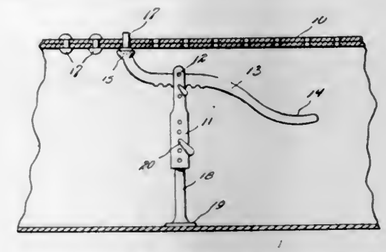
1. In a sound reproducing machine comprising a record disc and means for rotating it, a stylus mounted for movement thereacross, a stop disc mounted for rotation in unison with the record disc, a plurality of stop members mounted thereupon, a stop finger, and means responsive to the movement of the stylus for moving it across said stop disc in a path normally out of contact with said stop elements, and means operative upon cessation of the movement of the stylus for causing the path of the stop finger to intersect one of said stop members.

1,499,667. COMBINED TIRE-CHAIN TIGHTENER AND FASTENER. FRED C. KIES, Moscow, Mich. Filed Mar. 21, 1924. Serial No. 700,868. 1 Claim. (Cl. 24—241.)



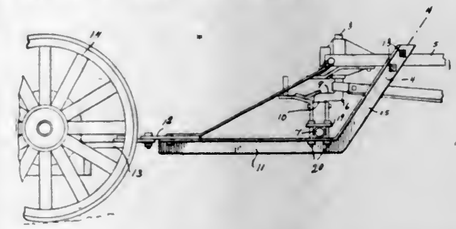
In a combined tightener and fastener for the side chain of an anti-skid chain structure, a blade formed at its forward end and at its upper edge with a curved notch for the detachable receptacle of one end link of said side chain, a lever of substantial U-shape in cross section overlapping the other end of said blade and being pivotally secured thereto, the side walls of said lever being formed with a longitudinally extending registering and slightly inclined slot for the reception of the other end link of said side chain, said last mentioned end link adapted to move toward the rear end of said registering slot when the lever is moved to a closed position with respect to the blade due to the inclination of said slots, the upper edge of the blade at a point adjacent the pivotal connection to the lever being formed with a notch for the reception of the side chain end link when said lever is moved to a closed position over the blade, said lever being formed at its front end with side wall slots for the reception of the other end link of the side chain disposed within the forward notch of the blade, means for facilitating the movement of the lever to a closed position, and means formed upon the blade for engagement by the lever for limiting the engagement of the lever over the blade whereby a binding of the upper edge of the blade between the joined edges of the lever side walls is prevented.

1,499,668. RIVET-SETTING TOOL. FRANK KOTOWSKI, Ensley, Ala. Filed July 6, 1922. Serial No. 573,185. 2 Claims. (Cl. 78—53.5.)



1. A rivet setting tool of the character described comprising a body, the upper end of said body terminating with spaced apertured ears, a lever pivoted intermediately of its ends within said ears, said lever having a handle at one end and a concaved head provided at its opposite end for the reception of the head of a rivet therein, a detachably secured apertured arm terminating with an enlarged portion at its lower end to provide a suitable supporting foot, said arm being telescopically received within the body and held in place through the medium of suitable pins passing therethrough.

1,499,669. TRACTOR HITCH. AUGUST H. KRUEGER, Luray, Kans. Filed Mar. 19, 1923. Serial No. 626,081. 7 Claims. (Cl. 280—33.44.)



1. As an article of manufacture, a hitch for connecting a tractor of the type stated to the forward end of an agricultural machine of the character shown, wherein said machine embodies a frame and wherein a depending member is supported from the forward end of the frame, including a tongue provided with means at its forward end for connection with the draw bar of a tractor, said tongue embodying a forward portion adapted to assume a substantially horizontal position when in use and an upwardly extending rear portion, with the rear end of the horizontal portion disposed to receive said depending

member thereon, means detachably rigidly securing the upper end of the rear portion of the tongue to the machine frame rearwardly of its forward end, and means detachably and rigidly fastening said depending member to the horizontal portion of the tongue.

1,499,670. FRYING PAN. SHICHIGORO KUNO, Denver, Colo. Filed Nov. 12, 1923. Serial No. 674,373. 1 Claim. (Cl. 53—7.)



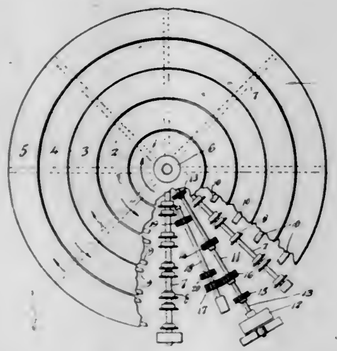
In combination with a frying pan having a handle projecting from one side and adapted to rest on the top of a stove, an integral hollow shield and guard both containing insulating material, the guard extending the entire distance from the handle to the stove top and being of sufficient width to protect the hand of the user from hot gases coming from under the pan.

1,499,671. METHOD OF TREATING TREES. FRANK L. LANPHERE, Salina, Kans. Filed June 17, 1922. Serial No. 568,944. 3 Claims. (Cl. 47—8.)



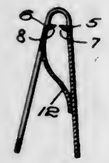
2. A method of treating tree wounds consisting in driving wedges into the base and sides of the wound to compress the fibers for closing the pores.

1,499,672. AMUSEMENT DEVICE. ERASTUS A. LEZERT, Cincinnati, Ohio. Filed July 15, 1922. Serial No. 575,216. 7 Claims. (Cl. 46—27.)



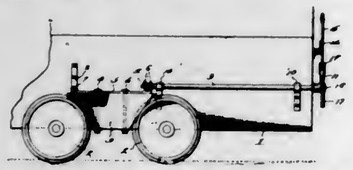
1. In an amusement device, a platform, said platform comprising a plurality of contiguous annular concentric sections, means whereby the alternate sections may be rotated in opposite directions, and a carriage adapted to ride on said platform, said carriage comprising a body and pivotally mounted wheels arranged to support the same.

1,499,673. NAIL CLIPPER. FREDERICK LOBL, Middleboro, Mass. Filed Mar. 22, 1922. Serial No. 545,835. 5 Claims. (Cl. 30—23.)



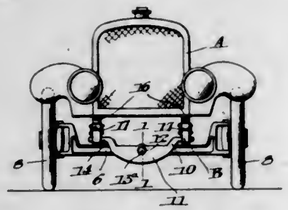
1. A nail clipper comprising a pair of wings having one common edge, a portion of the common edge being recessed and provided with cutting sections between but out of alignment with the connecting portions of the wings.

1,499,674. MINE-CAR BRAKE. JOHN MCCOOL, Lilly, Pa. Filed Apr. 9, 1923. Serial No. 630,899. 3 Claims. (Cl. 188—57.)



1. The combination in a brake, of spaced car wheels, a car body, and a vertically swingable wedge-shaped block interposed between and movable vertically relative to the treads of the wheels, the said block being pivotally connected adjacent to one of its ends, and being associated at its opposite end with means for swinging the block vertically on the said pivot.

1,499,675. AUTOMOBILE SUSPENSION. DONALD JOSEPH MCDOUGAL, Ottawa, Ontario, Canada. Filed Nov. 28, 1921. Serial No. 518,410. 3 Claims. (Cl. 280—112.)

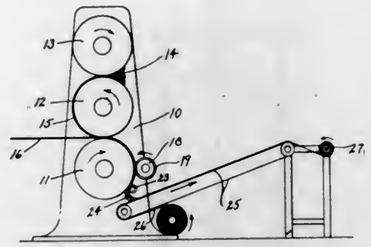


1. Automobile suspension means of the character described comprising balancing and supporting castings formed with central apertures therein, one of said castings being pivotally mounted on the front axle, the others of said castings being similarly mounted at right angles to the front axle casting and on each side of the chassis above the rear axle, and spring means between the latter castings and the vehicle body.

1,499,676. BIAS-CUTTING MACHINE. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 30, 1923. Serial No. 635,467. 3 Claims. (Cl. 91—48.)

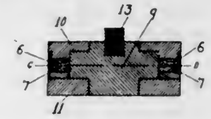
1. A rubber coating and cutting apparatus comprising a fabric rubberizing calender having a plurality of rolls, and a cylinder coacting with one of said rolls having at least one helical electrically heated rib thereon, whereby the rubberized fabric web is severed into a series of bias strips.

2. A bias cutting apparatus comprising a roll, a cylinder coacting therewith having at least one helical electrically heated rib thereon, whereby the web to be severed will be burned into a plurality of bias strips.



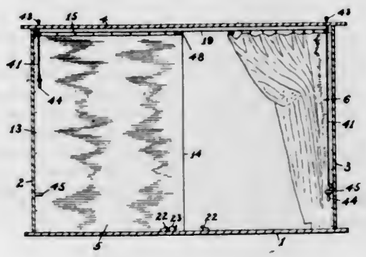
3. A rubber coating and cutting apparatus comprising an electrically heated diagonally ribbed roll contacting with the web, whereby said web is severed into a series of bias strips.

1,499,677. PISTON FOR USE IN CYLINDRICAL VALVE CHAMBERS AND CYLINDERS. JOHN MERRILEES MASON, North Williamstown, Victoria, Australia. Filed Jan. 27, 1923. Serial No. 615,287. 2 Claims. (Cl. 74—108.)



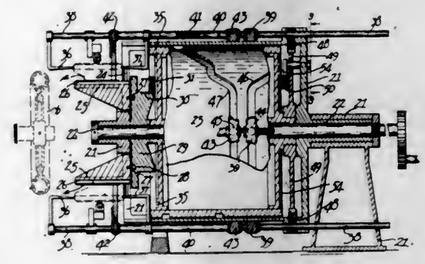
1. A piston for use in cylindrical valve chambers and cylinders, consisting of the combination with a circular body member, of a circular steel liner, which is spaced apart from said body member, the space between the wall of the liner and the body member being packed by means of caulking with some compressible material, such as lead, as and for the purpose described.

1,499,678. FOLDING PARTITION. HERMAN W. MAUER, Cleveland, Ohio. Filed July 9, 1921. Serial No. 483,540. 10 Claims. (Cl. 20—20.)



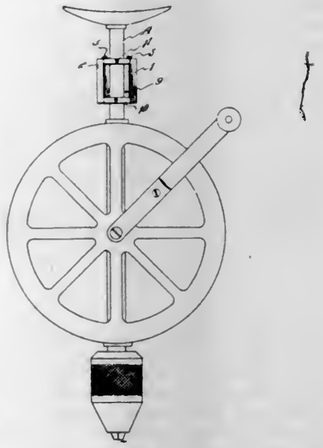
1. In a folding partition, the combination of a pair of sides of flexible material, a support, the sides being arranged in spaced relation and having their outer edges attached to said support, a strip of flexible material connecting the inner edges of said sides, means for supporting the upper edges of said sides, a board, the board being arranged between the lower edges of said sides, the lower edges of said sides being attached to said board, the board being hinged at its outer end to a fixed support and means for swinging said board upwardly to fold the partition, substantially as described.

1,499,679. MACHINE FOR APPLYING ENDLESS BANDS TO RING CORES. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1922. Serial No. 534,131. 7 Claims. (Cl. 154—10.)



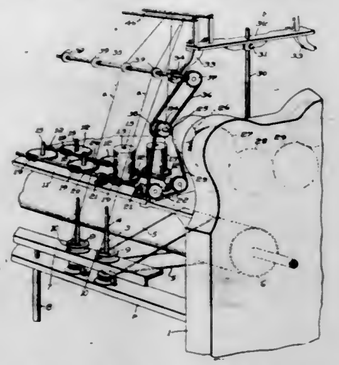
1. A device for applying endless bands to cores in the manufacture of tire casings, which comprises two opposed series of L-shaped fingers adapted to support a band, means for rotating the fingers slightly about their individual axes for expanding and contracting the band, devices interposed between certain of said fingers for holding the band upon the core, and means for operating the holding devices by the motion of the fingers.

1,499,680. DRILL ATTACHMENT. JAMES F. MOREHEAD, Wytheville, Va. Filed May 14, 1923. Serial No. 638,959. 1 Claim. (Cl. 33—207.)



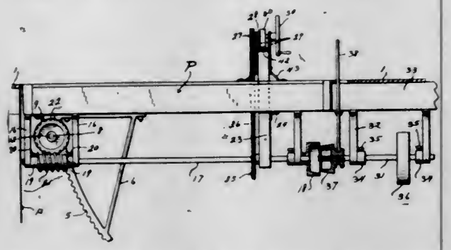
A device of the class described comprising a pair of the casings connected together at their inner sides at right angles one to the other, each casing having a slot in its top with an indicating mark adjacent said slot, a weighted finger pivoted in each casing and having one end passing through the slot and adapted to register with said mark, straps connecting the outer sides of the casings together and set screws carried by the straps for engaging a drill.

1,499,681. WINDING MACHINE. FRANK A. MORIN, Lewiston, Me., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 5, 1922. Serial No. 605,019. 6 Claims. (Cl. 242—18.)



1. In a machine for winding yarn without twisting upon a yarn receiver from a wound yarn package, the combination of a support for a wound yarn package, a yarn receiver to which the yarn is to be delivered without additional twist being imparted thereto, means for rotating the yarn receiver at a predetermined speed, a fixed guide at the side of and for directing the yarn to the rotating yarn receiver without twist, means for rotating the wound yarn package at a slower rate of speed than that of the yarn receiver, and a yarn guide for the wound yarn package for causing the yarn to be drawn endwise from the wound yarn package as it is slowly rotated for delivery through the fixed yarn guide at the side of the more rapidly rotating yarn receiver.

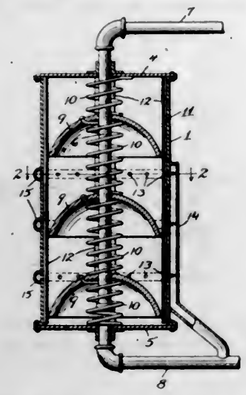
1,499,682. DUMPING MECHANISM. BERTRAND P. MURPHY, Donnybrook, N. Dak. Filed Apr. 21, 1923. Serial No. 633,687. 1 Claim. (Cl. 214—49.)



The combination with a scale platform, track timbers pivotally supported thereby, means carried by the platform for moving said track timbers about their pivots, manually operated means carried by said platform for operating said first named means, and power driven means supported independently of the platform for operating said first named means.

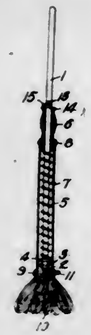
1,499,683. MUFFLER. AXEL NASHLUND, Marquette, Mich., assignor of one-half to Harvey B. Hatch, Marquette, Mich. Filed May 23, 1921. Serial No. 471,860. 3 Claims. (Cl. 137—160.)

1. An exhaust muffler comprising an expansion chamber, an exhaust pipe extending through one end of said chamber to a point adjacent the opposite end thereof, a series of spaced cup-shaped members slidably mounted on said pipe, a main outlet pipe opening in the opposite end of the expansion chamber adjacent the discharge end of the exhaust pipe, auxiliary outlet openings disposed



in spaced series in the wall of said chamber, and a common means for connecting said auxiliary openings with the main outlet pipe.

1,499,684. MOP. WILFRID NOLET, Montreal, Quebec, Canada. Filed Nov. 17, 1922, Serial No. 601,474. Renewed May 19, 1924. 2 Claims. (Cl. 15—120.)

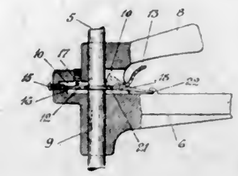


1. An article of manufacture of the character described comprising a rod having at one end a U-shaped iron suitably secured thereto, a disc mounted on said rod adjacent said U-shaped iron, a slidable member mounted on said rod, a tubular member suitably secured to said slidable member, a mop, the outer ends of which are suitably secured to one end of said tubular member, said mop being secured intermediate of its length in said U-shaped iron on said rod, and a spiral spring located within said tubular member and said handle in opposite directions, substantially as described.

1,499,685. FRICTION LOCK FOR MEAT HOLDERS IN MEAT-SLICING MACHINES. JOSEF AUGUST NORDIN, Stockholm, Sweden, assignor to Aktiebolaget Stille-Werner, Stockholm, Sweden, a Corporation of Sweden. Filed May 5, 1923. Serial No. 636,907. 4 Claims. (Cl. 146—217.)

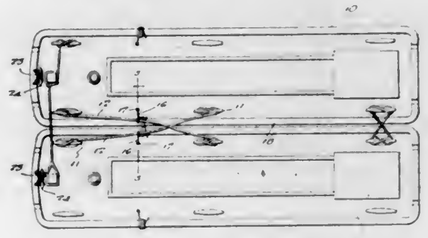
1. In a meat slicing machine the combination with a table, uprights on the table and a yoke slidably mounted on the uprights, of a friction lock mounted on the yoke for cooperating with one of said uprights including a manually operated spring controlled plate having an opening

which is arranged about one of the uprights, and an eccentric member cooperating with the said upright and normally arranged in slight frictional engagement with



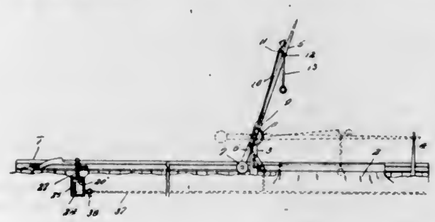
the upright so that the yoke may be shifted only towards the table and can be only moved or shifted in the opposite direction upon the manual operation of the plate.

1,499,686. TOWLINE TAKE-UP. WILLIAM NORTHRUP, Middleport, N. Y. Filed Aug. 15, 1923. Serial No. 657,637. 2 Claims. (Cl. 114—235.)



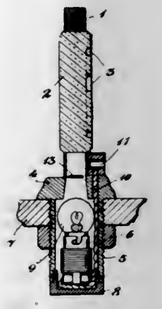
1. The combination with a plurality of barges lashed together by tow lines, of a take up cable secured to each of said barges and having a portion passed downwardly through an opening therein, said cable being passed over the adjacent tow line, and a weight suspended from said cable, whereby the latter is used to take up slack in the tow line for the purpose specified.

1,499,687. PNEUMATICALLY-OPERATED RAILROAD GATE. PATRICK P. O'CONNELL, St. James, Minn. Filed Sept. 1, 1923. Serial No. 660,489. 2 Claims. (Cl. 246—272.)



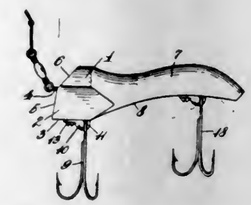
1. In train controlled pneumatic gate mechanism for highway crossings, the combination with a gate mounted for swinging movement from open position to closed position and vice versa, of an air motor connected to said gate for actuating the latter to closed position, a compressor in advance of the approach to the crossing, a pipe line connecting said compressor to said motor and train operated means for actuating said compressor to force air in the said motor to actuate the latter to lower the gate, a train operated release valve beyond the crossing for releasing the air from said motor, a treadle arm pivoted at one end for swinging movement alongside of the track and adapted to be depressed under the action of the wheels of the train, a connection between the other end of said treadle arm and said release valve, whereby the latter may be opened upon the passage of a train over said treadle arm, said connection comprising an actuating arm connected to said treadle arm, a crank arm connected to said valve, a pin and slot connection between the actuating arm and said crank arm and a dash pot connected to said treadle arm.

1,499,688. LUMINOUS REFLECTION SIGN. GUILLERMO DOUGLAS PALMER and JOSÉ FERNÁNDEZ CASTILLO, Buenos Aires, Argentina. Filed Oct. 30, 1923. Serial No. 671,703. 2 Claims. (Cl. 40—130.)



1. A luminous reflection sign comprising a glass, a frame supporting the latter at its edges, a base for the frame having a light passage extending therethrough to the edge of the glass, a tubular extension below the base forming a pocket for an electric lamp, and means on the extension co-operating with the base for clamping the latter to a support.

1,499,689. ARTIFICIAL BAIT. CHARLES T. PFLUEGER and WALTER L. ADAMS, Akron, Ohio, assignors to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 7, 1919. Serial No. 315,870. 7 Claims. (Cl. 43—46.)



1. A bait, comprising a body portion having a keel portion provided with straight longitudinally extending downwardly converging inclined side surfaces, and a rearwardly extending tail portion, said keel portion depending below the tail portion.

1,499,690. PUMPING EQUIPMENT FOR WELLS. WILLIAM B. PINE and IRA V. MARTIN, Okmulgee, Okla. Filed Nov. 16, 1923. Serial No. 675,164. 7 Claims. (Cl. 103—179.)

1. A pumping equipment comprising a housing, a packing box arranged within the housing and having slots establishing communication between the interior of the

box and the interior of the housing, a plunger movable through the packing box, a barrel receiving said plunger,



a packing carried by the box and surrounding the plunger, and a sand deflector mounted on the packing and directing settling sand through said slots.

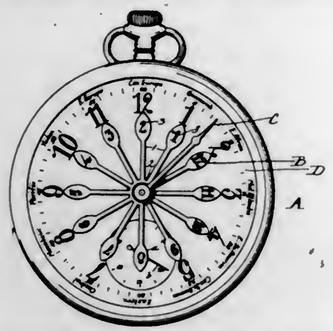
1,499,691. PUMP FOR WELLS. JENNINGS BRYAN REBOLD, Slick, Okla. Filed Sept. 25, 1923. Serial No. 664,725. 10 Claims. (Cl. 103—179.)



1. A pump comprising a working barrel, a scraping barrel receiving the working barrel and having scraping contact with the outer wall thereof, a plunger movable into the barrel and having ribs, and slips pivotally carried by the scraping barrel and having means to engage said ribs whereby the scraping barrel is detachably connected to and is movable with said plunger.

1,499,692. WATCH. WILLIS ARTHUR REED, Dinuba, Calif. Filed Sept. 20, 1921. Serial No. 501,922. 5 Claims. (Cl. 58—43.)

1. A time-piece, including the usual dial having the usual hour and minute indications thereon, meridian indications on said dial opposite said hour indications, an hour hand member including twelve arms numbered con-

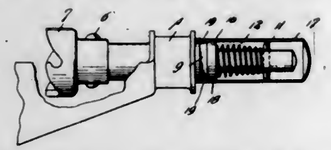


secutively counter-clockwise from 1 to 12, and a minute hand adapted to play over said dial and hour hand member.

1,499,693. ELECTRICAL-HEATER RESISTANCE ELEMENT. ROBERT WOOLRIDGE REYNOLDS, Darlinghurst, near Sydney, New South Wales, Australia. Filed Jan. 17, 1923. Serial No. 613,287. 1 Claim. (Cl. 219—76.)

The herein described improvement in the manufacture of electrical resistance films composed of precipitated siliceous material, graphite, and an alkaline silicate, which consists in washing said films after they are set on their supports with a dilute solution of sulphuric acid or hydrochloric acid and subsequently washing them with water.

1,499,694. REMOVABLE END CRANK FOR AUTOMOBILES. MORRISE E. ROGERS, Norwood, La. Filed Mar. 5, 1923. Serial No. 622,742. 1 Claim. (Cl. 74—33.)



In combination with a shaft journaled in a bearing, a collar loosely mounted upon the shaft and bearing at one face against the shaft bearing, spring means confined at one end upon the shaft and bearing at its opposite end against the collar to hold the same in contact with the bearing shaft, said collar being provided with a circumferentially located annular groove, a cap adapted to receive the end portion of the shaft and the said spring means, and adapted to snugly fit about the periphery of the collar and bear at one end against the shaft bearing, and resilient arms cut and formed up from the material of the cap and disposed at spaced intervals around the cap, each of said arms having an inwardly disposed bend formed therein and in the vicinity of the free end thereof to provide heads which are frictionally received in the groove of the collar.

1,499,695. ELECTRIC MACHINE. REINHOLD RÜDENBERG, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed June 1, 1921. Serial No. 474,206. 4 Claims. (Cl. 171—206.)

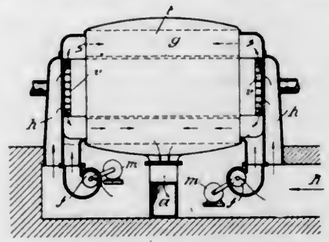
1. An armature having a slotted core and conductors embedded in said slots and subdivided into a plurality of partial conductors insulated from each other and disposed above each other with respect to the height of the slot,

said partial conductors being displaced outside the slot in such manner that each conductor consecutively assumes each one of all the positions in the slot regarding the height thereof, each of said partial conductors being



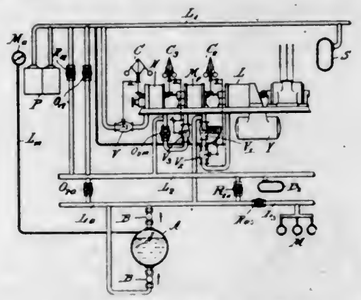
cyclically displaced relatively to the others in similar geometrical configuration at the same displacement pitch, permitting the use of the same form of end connections for all displaced conductors.

1,499,696. COOLING ELECTRIC MACHINERY. REINHOLD RÜDENBERG, Berlin-Grunewald, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed June 21, 1921. Serial No. 479,275. 1 Claim. (Cl. 171—252.)



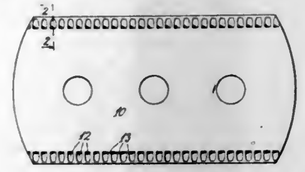
In combination with a dynamo electric machine a ventilating arrangement having ventilating ducts and comprising a self-ventilator and an external ventilator, the delivery side of said external ventilator being connected immediately at the delivery side of said self-ventilator.

1,499,697. STEAM-ACCUMULATOR APPARATUS FOR STEAM PLANTS. JOHANNES KARL RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Nov. 1, 1919. Serial No. 335,113. 11 Claims. (Cl. 60—94.)



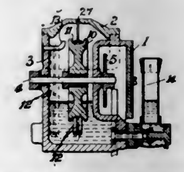
2. A steam plant comprising in combination a steam generator, a steam conduit connected therewith, a steam motor comprising a high pressure unit connected with the conduit, and a low pressure unit receiving steam from the high pressure unit, a steam accumulator receiving steam from the high pressure unit, means actuated by the pressure in the conduit from which the high pressure unit is supplied and operating to throttle the steam supply to the low pressure unit upon an increase of pressure in the supply conduit above a predetermined value, and means for increasing the supply of steam to the high pressure unit when the supply to the low pressure unit is throttled.

1,499,698. SAFETY-RAZOR BLADE. CARL SCHOENERT, Newark, N. J. Filed Mar. 9, 1922. Serial No. 542,331. 3 Claims. (Cl. 30—12.)



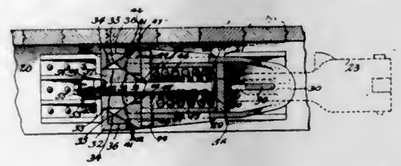
1. A razor blade having a series of permanently fixed corrugations in such close proximity to the cutting edge as to cause a relative transverse movement between the skin and the cutting edge as the blade is drawn over the skin.

1,499,699. APPARATUS FOR THE COATING OF THREAD WITH LIQUID. HANS SCHWEITER, Horgen, Zurich, Switzerland. Filed Mar. 7, 1922. Serial No. 541,835. 4 Claims. (Cl. 91—51.)



1. In an apparatus employed in connection with winding and similar textile machinery for coating textile threads with liquid, a positively rotated disc in combination with coating rings resting on and rotated by the surface of said disc and adapted to receive the thread between them.

1,499,700. DRAFT GEAR. CLIFTON W. SHERMAN and EDWARD C. MCDOWELL, Hamilton, Ontario, Canada; said McDowell assignor to said Sherman. Filed July 8, 1921. Serial No. 483,335. 8 Claims. (Cl. 213—26.)



1. In a railway draft gear, a yoke adapted to engage a rear stop on the car frame and adapted to be connected with a coupler and having a rear follower provided with an inclined friction face, a front follower mounted on the yoke and adapted to engage a front stop on the car frame, a spring, a movable abutment which receives the thrust of said front follower and one end of said spring, a longitudinally movable block having an inclined friction face and connected with the other end of said spring, and a laterally movable block sliding transversely on said movable abutment and provided with oppositely inclined friction faces which engage with the corresponding faces of said longitudinally movable block and said rear follower.

1,499,701. STUD DRIVER. LEWIS SKEEL, Meadville, Pa., assignor to McCrosky Tool Corporation, Meadville, Pa., a Corporation of Pennsylvania. Filed June 20, 1923. Serial No. 646,629. 11 Claims. (Cl. 81—53.)

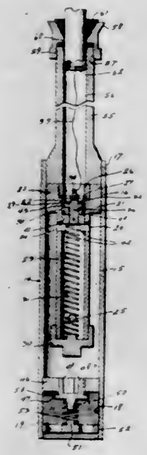
1. A stud setter comprising a friction drive member having a socket provided with flat inclined driving faces, and jaws received in said socket and having flat inclined

faces adapted for flatly contacting with the driving faces, whereby a direct driving connection is established be-



tween the driving member and the jaws, said jaws being formed with threads for engagement by the threads of a stud.

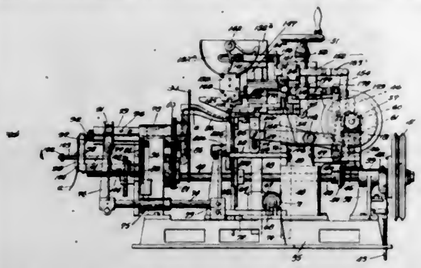
1,499,702. BACK-PRESSURE VALVE FOR OIL AND ARTESIAN WELLS. ABNER L. SMITH, Goose Creek, Tex. Filed Oct. 14, 1922. Serial No. 594,480. 7 Claims. (Cl. 166—5.)



1. In combination with a well screen, a valve structure engaged with the lower end of the well screen including a valve opening in response to pressure interiorly of the screen, means for automatically reseating said valve when open, said valve including a cage having a bore, the walls of the bore having openings therethrough, a valve piston slidably fitting the bore and having a seat, said valve being provided with a shearing edge adapted to engage said seat and to have wiping engagement with the bore of the cage.

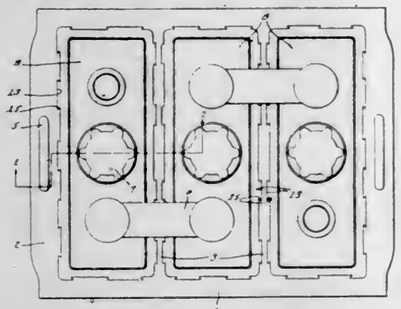
1,499,703. MACHINE FOR PACKAGING ARTICLES. WILLIAM M. SPRY, Revere, Mass., assignor of one-half to George Barnaby, Revere, Mass. Filed Mar. 7, 1921. Serial No. 450,451. 44 Claims. (Cl. 100—31.)

1. A packaging machine having two members provided with surfaces for engaging opposite sides of a group of articles, one of said members being movable relatively to the other, to compress a group of articles between said surfaces, means for wrapping string around the group and overlapping portions of the string under tension



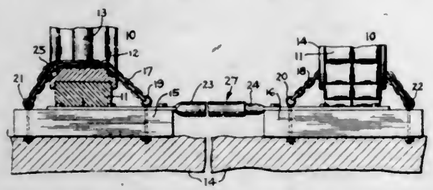
while the articles are under pressure, and means for applying a fastening to the overlapped portions of the string while the latter is under tension.

1,499,704. BATTERY BOX. GEORGE C. STEBBINS, Ashtabula, Ohio, assignor to Silurium Manufacturing Company, Cleveland, Ohio, a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 584,061. 2 Claims. (Cl. 204—29.)



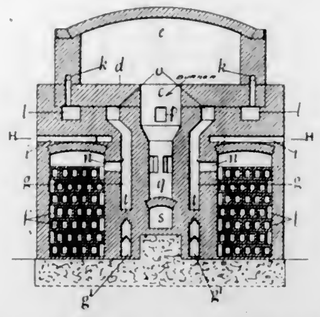
2. A battery box, having side and end walls and cross partitions forming a plurality of cell chambers, said side and end walls and partitions being provided around their upper edges with channels having dovetail portions, a cover for each cell chamber, and fusible sealing material filling said dovetail grooves and holding the covers in place and preventing the escape of acid.

1,499,705. ATTACHMENT FOR VEHICLE WHEELS. HENRY J. STRAUSS, Stratford, Conn. Filed Sept. 30, 1922. Serial No. 591,570. 14 Claims. (Cl. 152—2.)



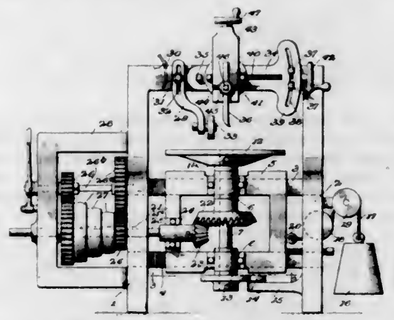
9. An attachment for vehicle wheels for the purpose described, comprising a pair of blocks, flexible means whereby the blocks may be secured to the circumference of a pair of wheels respectively, and separable means connecting said blocks, said means comprising a hollow cylindrical member secured to one of said blocks and another member secured to the other block, said first mentioned member adapted to receive the second mentioned member to form an extensible joint.

1,499,706. CRUCIBLE AND LIKE FURNACE. THEODOR TEISEN, Birmingham, England. Filed Dec. 20, 1922. Serial No. 608,083. 10 Claims. (Cl. 263—15.)



1. An improved crucible furnace comprising a heating chamber, a vertical gas burner, a regenerator or recuperator, horizontal air cooling channels arranged over the recuperator between it and the heating chamber, an air pocket situated at the side of the recuperator between it and the burner, and an air outlet communicating between the recuperator and air pocket, substantially as described.

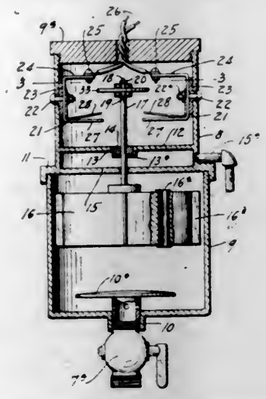
1,499,707. LATHE. WALTER CALEB THATCHER, Govans, Baltimore, Md. Filed May 16, 1923. Serial No. 639,369. 9 Claims. (Cl. 82—19.)



2. In a lathe, a frame provided with tracks, a drive shaft mounted on the frame, a table slidably mounted on the tracks, a driven shaft mounted on the table, a work holder on one end of the shaft, an eccentric or pattern cam on the other end of the shaft, a gear having a slidable connection with the drive shaft and mounted on the table, a gear mounted on the driven shaft and in mesh with the first mentioned gear, a cutting tool adjustably mounted in operative relation with the work holder, and means engageable with the pattern cam for causing shifting of the table, and means for maintaining the pattern cam in engagement with the last mentioned means.

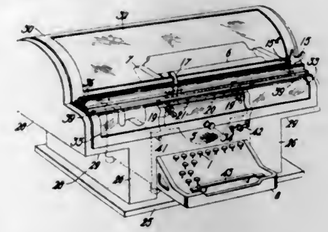
1,499,708. SIGNAL DEVICE AND CIRCUIT CLOSER THEREFOR. LAURENCE ROBERT TUTEN, Columbia, S. C. Filed June 12, 1922. Serial No. 567,804. 1 Claim. (Cl. 200—84.)

In a circuit closer structure, an open topped casing constituting a float chamber and provided at its bottom with a liquid inlet, an open topped casing member detachably secured upon the top of the first named casing and provided with a removable cap, said second named casing member having its bottom closed by a wall and being provided with a transverse partition spaced above said wall and cooperating therewith to define a moisture collecting compartment between the float chamber and the interior of the second named casing, a drain pipe leading from said compartment, a float operating within the first named casing and carrying a rod slidable through



said bottom wall and partition and extending into the second named casing, contacts within and insulated from said second named casing, and a metallic member carried by the rod and engageable with said contacts when the float drops.

1,499,709. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 13, 1920. Serial No. 423,848. 33 Claims. (Cl. 197—186.)

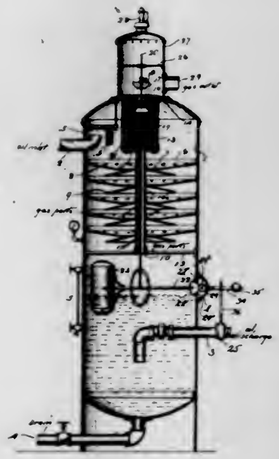


1. The combination of a sound-deadening casing and a typewriting machine therein comprising a carriage, a combined line-space and carriage-return member on the carriage and having an upwardly-extending finger-piece at the front of the carriage and at one end thereof, and a combined carriage-release and carriage-return member on said carriage and having an upwardly-pojecting finger-piece at the front of the carriage and at the other end thereof, said casing comprising a body-portion surrounding said machine and a cover hinged at its rear on said body-portion and provided in its front portion with a slot to receive said finger-pieces when the cover is swung down to closed position, said slot being parallel to the direction of carriage travel and of a length greater than that of the carriage travel, to permit the carriage to be moved to its limiting positions.

1,499,710. GAS AND OIL SEPARATOR. EDWIN C. WEISGERBER, Long Beach, Calif. Filed Feb. 13, 1924. Serial No. 692,476. 5 Claims. (Cl. 183—39.)

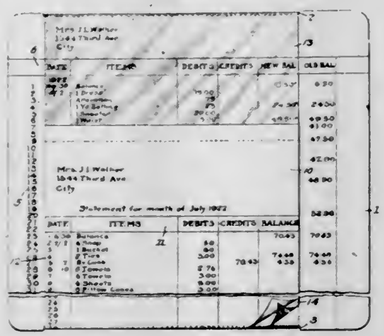
1. A gas and oil separator comprising a chamber, an oil and a gas inlet on said chamber and a gas outlet in the top of said chamber, a splash and wear plate disposed in the path of discharge of the oil and gas, a plurality of

dished baffles below said splash plate, each having a central opening, a plurality of inverted dished baffles co-operating with said first-named baffles to cause the oil to flow in a zig-zag course to the bottom of the chamber, a central hollow support for said dished baffles, an overflow pipe near the bottom of said chamber, a valve in said



pipe, a lever connected to said valve and having a float for maintaining the level of the oil in said chamber, a stem connected with said float lever and having thereon adjustable valves for opening or closing the outlet in the top of said chamber, and a means to arrest entrained oil particles.

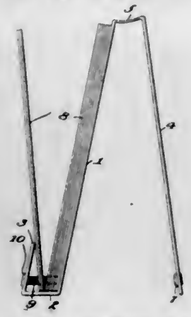
1,499,711. COLLATED WORK SHEET. JOHN A. WHERRY, New Orleans, La. Filed Aug. 14, 1922. Serial No. 581,669. 14 Claims. (Cl. 282—12.)



1. The combination of a main work sheet, and a supplementary work sheet comprising a record receiving section and a transparent section in longitudinal alignment, the two sections enclosing the main work sheet and adjustable longitudinally thereof.

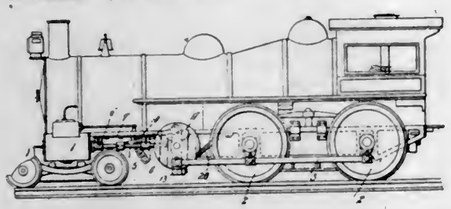
1,499,712. DISK-RECORD FOLIO. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Apr. 4, 1923. Serial No. 629,786. 4 Claims. (Cl. 129—1.)

1. A record folio of the character described having back and base portions, a strip extending upwardly from the front edge of said base portion, and a front portion flexibly hinged to the upper edge of said back portion,



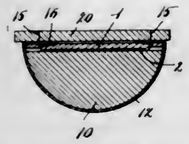
separable fastening means for securing said front portion to said strip, and record envelopes loosely bound in said holder between the back portion and strip.

1,499,713. TWIN GEAR LOCOMOTIVE DRIVE. LOZELLA A. WILLIAMSON and GEORGE PINTO, Hammonton, N. J. Filed Mar. 1, 1923. Serial No. 622,050. 4 Claims. (Cl. 105—120.)



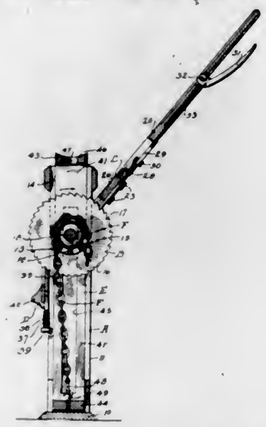
1. In a locomotive, the combination with the main frame, drive wheels, connecting rods on said wheels, cylinders, pistons movable in said cylinders, and rods on the pistons; of hanger guides connected to the main frame and receiving said rods, a transverse pendent frame on the main frame and having journal boxes, twin-crank rotors mounted in said boxes and having their outer cranks connected to said connecting rods, pitman rods connected to the piston rods and connected to the inner cranks of the rotors at diametrically opposite points to the connections of the connecting rods, and inclined braces interposed between the main frame and the lower corner portions of the pendent frame.

1,499,714. INSOLE. SIDNEY C. WILSON, Rochester, N. Y., assignor to Wilson Process, Incorporated, Rochester, N. Y., a Corporation of New York. Filed Aug. 14, 1919. Serial No. 317,456. 2 Claims. (Cl. 36—22.)



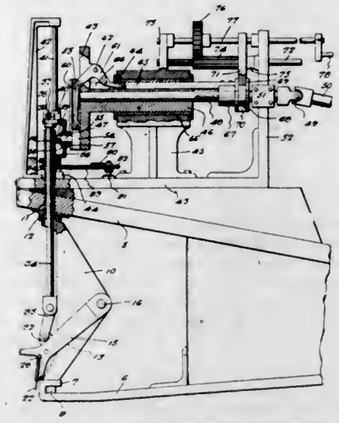
2. An insole of the kind described having a channel flap formed on the marginal portion of the grain side cut inwardly from the marginal edge, and a second channel lip around the forepart and shank formed on the opposite surface of the insole, said lip being cut from the center line of the insole outwardly toward the marginal edge, and both flap and lip being adapted to be laid substantially flush with their respective sides in the completed shoe.

1,499,715. PULLING AND LIFTING DEVICE. EVIA L. WISHON, Picher, Okla. Filed June 19, 1922. Serial No. 569,450. 3 Claims. (Cl. 254—148.)



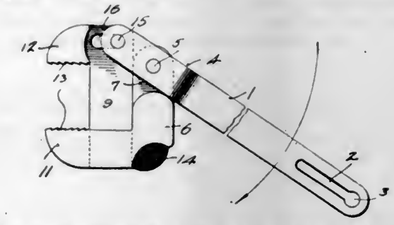
3. In a lifting and pulling device, a frame open at its upper end and including a base plate and standards having the inner faces thereof grooved to provide channel ways, a sliding member passing into the frame and having spaced arms fitting into the channel ways and having longitudinally extending slots, a shaft rotatably carried by the standards of the frame and extending through the slots formed in the arms of the lifting standard, a drum carried by the shaft, ratchet discs connected with the drum and extending downwardly between the standards of the frame, a lifting head connecting the outer ends of the arms of the lifting member, a hook carried by the lower end of the lifting member, a chain passed about the drum and having a hook provided at its free end and adapted to engage said hook, a dog slidably carried by the frame arranged to engage the ratchet discs to prevent retrograde movement thereof, a lever rockably mounted upon the shaft, and a dog slidably carried by the lever for engaging the ratchet discs.

1,499,716. PROPELLING MECHANISM FOR SHIPS. JAMES WORCESTER, Waltham, Mass. Filed Mar. 27, 1922. Serial No. 547,062. 19 Claims. (Cl. 115—29.)



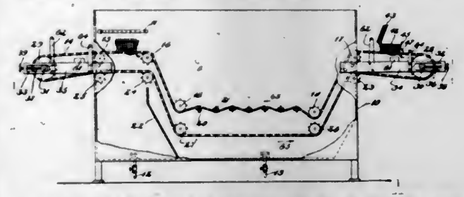
1. In combination, an oscillatable propeller frame, an operating member connected therewith and movable in a circular path, and means for adjusting said member with respect to a fixed center to vary the stroke or angle of oscillation of the frame.

1,499,717. WRENCH. LEE O. WRIGHT, Betsy Layne, Ky. Filed June 17, 1922. Serial No. 569,182. 1 Claim. (Cl. 81—126.)



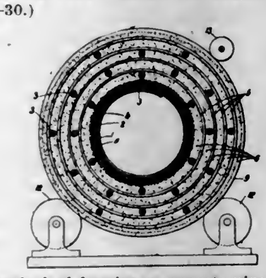
A wrench comprising a pair of L-shaped jaws including oppositely disposed work engaging faces and inwardly extending shanks, the inner faces of the shanks being disposed in parallel abutting relation, one of the jaws having a slot therein receiving the shank of the other jaw, an operating handle having the inner end thereof bifurcated, the inner end of one shank being reduced in thickness and fitted in the bifurcated portion, means for pivotally connecting the reduced inner end of said shank in the bifurcated portion of the handle, the outer end of the bifurcated portion of the handle receiving the shank of the other jaw adjacent to the jaw face thereof, said last mentioned shank being provided with a slot, and a pivot pin carried by the bifurcated portion of the handle fitted in said last mentioned slot.

1,499,718. DISHWASHING MACHINE. JOHN ZYKIN, New York, N. Y. Filed Dec. 6, 1922. Serial No. 605,214. 3 Claims. (Cl. 141—9.)



1. A dish washing machine comprising an endless conveyer, means for guiding said conveyer through a vat filled with a cleaning medium, means for imparting to said conveyer a wave like motion while it is guided through the vat, outer baskets on said conveyer, inner baskets in said outer baskets for the reception of the articles to be washed, means for automatically opening said outer baskets to allow an exchange of the articles therein, means for closing said outer baskets, means for raising said inner baskets in said outer baskets, and means for regulating the tension of said conveyer.

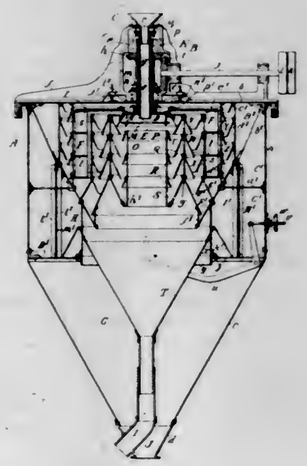
1,499,719. METHOD OF AND APPARATUS FOR USE IN THE MANUFACTURE OF PIPES, TUBES, AND THE LIKE. LÉON BILLÉ, Nogent-sur-Marne, France. Filed Apr. 24, 1922. Serial No. 556,281. 8 Claims. (Cl. 25—30.)



1. The method of forming a concrete pipe consisting of applying a layer of asphalt about the core, arranging a metallic reinforcement about the layer, embedding min-

eral aggregate between the reinforcement and into the layer, wrapping a wire about the aggregate and reinforcement to retain the same, then dipping the product in a cementitious solution to bind the wrapping reinforcement mineral aggregate and layer, and finally applying a layer of solid cementitious material about the binding.

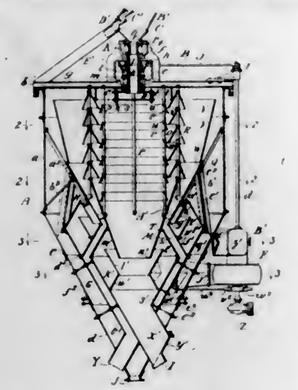
1,499,720. SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Original application filed Aug. 28, 1914, Serial No. 859,004. Divided and this application filed June 28, 1919, Serial No. 307,417. Renewed Apr. 3, 1924. 7 Claims. (Cl. 83—40.)



1. In combination, a casing enclosing a chamber, a receptacle in said chamber having upper and lower openings communicating with said chamber, means for passing pulverulent material to be separated into said receptacle, means affording a way through said receptacle for the heavier particles of such material, means affording an endless current passage through and around said receptacle, means for circulating a fluid medium through said passage to carry off into said chamber the lighter particles of such material, and annular substantially vertically disposed foraminous filtering means across such passage and surrounding said way for intercepting particles carried by such medium, said filtering means being constructed and arranged to conduct the intercepted particles across and below the path of the medium and affording inwardly extending current passages for such medium.

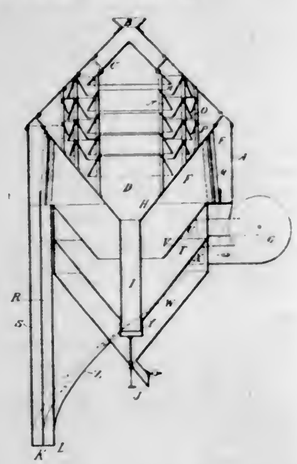
1,499,721. SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Continuation of application filed Aug. 27, 1914, Serial No. 858,797. This application filed July 12, 1919. Serial No. 310,329. Renewed Jan. 24, 1924. 8 Claims. (Cl. 83—40.)

1. In combination, a casing enclosing a chamber, a receptacle in said chamber having upper and lower openings communicating with said chamber, means for passing pulverulent material to be separated into said receptacle, means affording a way through said receptacle for the heavier particles of such material, means affording an endless current passage through and around said receptacle, means for circulating a fluid medium through said passage to carry off into said chamber the lighter particles of such material, and substantially annular substantially vertically disposed foraminous filtering means across such passage and surrounding said receptacle for intercepting particles carried by such medium, said filtering means being constructed and arranged to conduct the



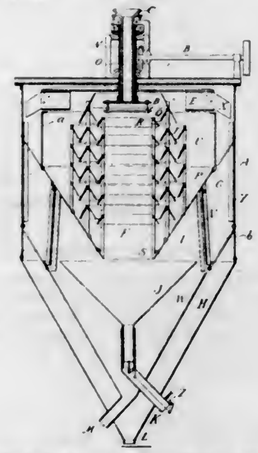
intercepted particles across and below the path of the medium and affording inwardly extending current passages for such medium.

1,499,722. AIR SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Continuation of application Serial No. 69,025, filed Dec. 28, 1915. This application filed Aug. 24, 1921, Serial No. 495,036. Renewed Nov. 24, 1923. 15 Claims. (Cl. 83—40.)



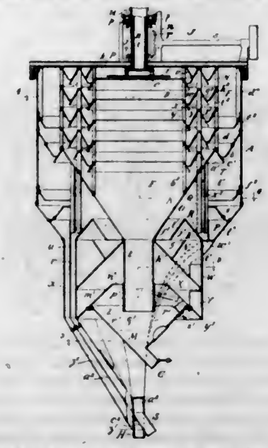
1. In combination, a casing having a conical top, means for causing material to descend therein in an annular downward path and affording a horizontally outwardly extending current passage across said path, annular selecting means surrounding said path for intercepting coarse particles floating through such passage, an annular precipitation chamber surrounding and in communication with said passage and affording a current outlet horizontally outwardly of said passage, means affording an annular wall or partition extending outwardly of and surrounding said path below said current passage for receiving particles precipitated therein inwardly of said outlet and outwardly of said selecting means affording a lower outlet for such particles, and a blower for causing a fluid current to flow outwardly across said path horizontally toward said current outlet and through the latter into said chamber in communication at its suction side with said chamber.

1,499,723. AIR SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Continuation of application Serial No. 69,024, filed Dec. 28, 1915. This application filed Sept. 26, 1921, Serial No. 503,159. Renewed Nov. 27, 1923. 16 Claims. (Cl. 83—40.)



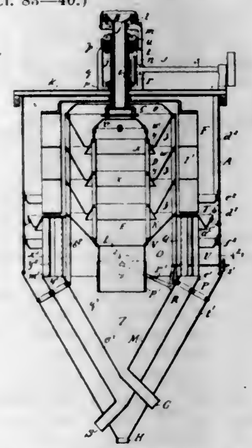
1. In combination, a casing, means for causing material to descend therein in a downward path and affording a current passage across said path, current regulating means in advance of said path, means adjacent to said path affording a sinuous current passage successive to and receiving current from said first passage and affording an outlet for precipitated material below said sinuous passage, means successive to said sinuous passage affording an upward current passage receiving and directing upwardly current from said sinuous passage having an upper current outlet above said sinuous passage and a lower precipitate outlet, means affording a settling chamber successive to and receiving current from said upper outlet, and a blower disposed above said upward passage for causing a fluid current to flow across said path through said upward passage through said upper outlet and into said settling chamber.

1,499,724. FLUID-CURRENT SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Continuation of application Serial No. 29,705, filed May 21, 1915. This application filed Oct. 26, 1921. Serial No. 510,585. Renewed Dec. 4, 1923. 40 Claims. (Cl. 83—40.)



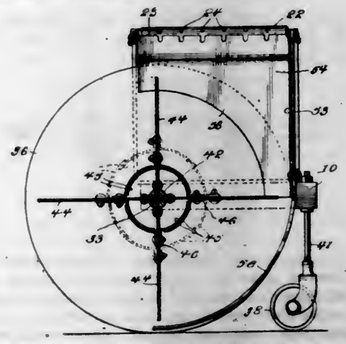
5. In combination, a casing, means for distributing material therein, means for causing a fluid current to flow therein through such material, means affording a chamber beyond said distributing means, means affording a chamber beyond said chamber, means between said chambers for causing dust settling in the former chamber to flow in a wide thin stream through an intermediate part of the latter chamber, and means for causing said current to again traverse said material in the latter chamber.

1,499,725. FLUID-CURRENT SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Original application filed May 21, 1915, Serial No. 29,705. Divided and this application filed Oct. 14, 1922. Serial No. 594,516. 34 Claims. (Cl. 83—40.)



1. In combination, a casing, means for distributing material therein, means therein for generating a fluid current, means for causing such current to traverse such material, means affording a precipitation chamber for receiving such current, means affording a return current passage from said chamber, an extractor between said chamber and said passage for extracting floating material from the current flowing from said chamber comprising a foraminous partition constituting a wall of said chamber, an outer wall for said chamber, two spaced walls below said extractor spaced apart from said outer wall, terminating at their upper edges below and affording a way above them for said current passage, and affording a conduit between them out of the path of said current for precipitate from said extractor, means affording a coarse outlet below said distributor, and means affording a precipitate outlet below said chamber.

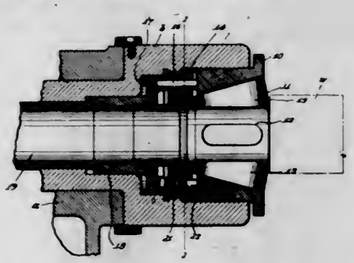
1,499,726. GRAIN SHOCKER. JOHN LUNSFORD GILMORE, Holdredge, Nebr. Filed Oct. 21, 1922. Serial No. 596,070. 7 Claims. (Cl. 56—402.)



1. In a grain shocker, a pair of spaced rotary disks, a rotary element including radial blades, a shaft for

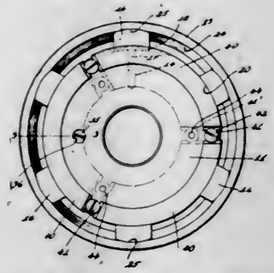
mounting the disks and rotary element, the latter being intermediate of the disks, and stationary means completing side and front walls of compartments formed respectively above and below one of the blades when the latter is in a horizontal position.

1,499,727. COLLET MECHANISM. BENGT M. W. HANSON, Hartford, Conn. Filed Aug. 20, 1921. Serial No. 493,781. 5 Claims. (Cl. 279—57.)



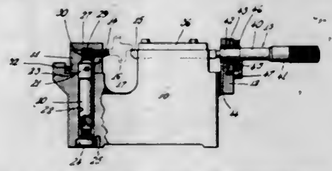
1. In a device of the character described, a spindle, a cage mounted therein, a member connecting the rear end of said cage to said spindle, jaws in said cage, a sleeve about said cage and jaws, and means for positively moving said sleeve in a direction to force said jaws together, said means including a part slidably carried by said connecting member.

1,499,728. CHUCK. BENGT M. W. HANSON, Hartford, Conn. Filed Feb. 10, 1922. Serial No. 535,659. 5 Claims. (Cl. 279—57.)



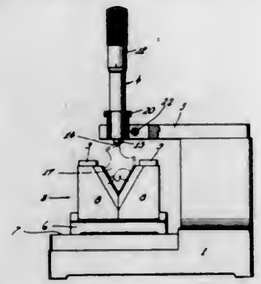
1. In a device of the character described, a spindle having a jaw supporting part, gripping members mounted thereon for radial movement, supplemental jaws, and screws for securing said jaws to said part, said screws being positioned between and having their heads overlapping the adjacent ends of said jaws.

1,499,729. SCREW-THREAD-GAUGE DEVICE. BENGT M. W. HANSON, Hartford, Conn. Filed May 21, 1923. Serial No. 640,349. 16 Claims. (Cl. 33—199.)



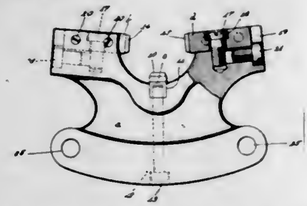
1. A gauge device comprising, in combination, a base or frame, a pair of gauge members having opposed serrated faces, one of said gauge members being angularly adjustable about an axis generally parallel to the serrations, and one of said gauge members being movable towards and away from the other gauge member.

1,499,730. GAUGE INSTRUMENT. BENGT M. W. HANSON, Hartford, Conn. Filed May 21, 1923. Serial No. 640,350. 7 Claims. (Cl. 33—199.)



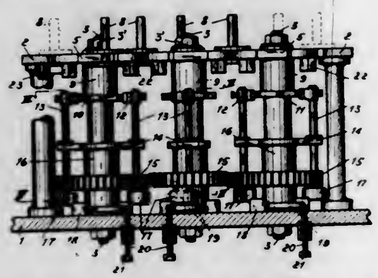
1. A measuring instrument comprising, in combination, a base, a pair of angularly disposed serrated gauge members adapted to receive a threaded member therebetween, and a micrometer adjustably supported by said base and adapted to contact with a side of the threaded member.

1,499,731. TOLERANCE GAUGE FOR TAPERED THREADS. BENGT M. W. HANSON, Hartford, Conn. Filed May 5, 1923. Serial No. 637,002. 8 Claims. (Cl. 33—199.)



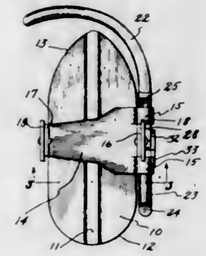
1. In a gauge, a body, a rest thereon, and a pair of gauge members, one on either side of and spaced from said rest member and provided with converging serrated faces to receive a tapered thread.

1,499,732. PLAITING AND BRAIDING MACHINE. CARL HAUSBERG, Brugg, Switzerland, assignor of one-half to "Ferrum" Giesserei & Maschinenfabrik, A. G., Rapperswil, Switzerland. Filed Sept. 9, 1922. Serial No. 587,213. 5 Claims. (Cl. 96—11.)



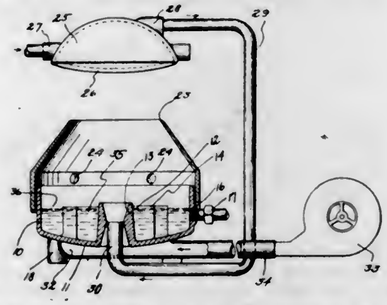
1. In a machine of the character set forth including a jacquard mechanism, in combination with a series of interdependently operable driving units including for each unit a continuously rotatable drive shaft, driving discs presenting peripheral recesses and normally loose on said shafts, racers positively guided in said discs for transfer from one disc to the next adjacent disc, coupling means interposed between said driving units and said discs, and means operable from the jacquard mechanism for selectively actuating said coupling means, said coupling means comprising for each unit a bridge member loose on said driving shaft, a ratchet wheel in rigid connection with said driving disc, rock shafts rotatably journaled in said bridge member, and pawls fixed to said shafts and adapted for cooperation with said ratchet wheel, said bridge member adapted to partake of the rotary movement of said driving shaft, and means operable from the jacquard mechanism for controlling the rocking movement of said rock shafts for respectively coupling and uncoupling said bridge member and said ratchet wheel at predeterminable periods.

1,499,733. CLIMBING SHOE. PAUL HEGEMANN, Geneva, N. Y. Filed Jan. 23, 1923. Serial No. 614,401. 2 Claims. (Cl. 227—8.)



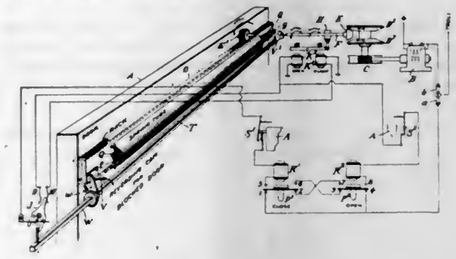
1. A climbing shoe comprising an elongated foot plate, a cross brace intermediate the length of the foot plate, spaced apart hinge sleeves on said brace at one edge of the foot plate, a curved hook member rotatable in said sleeves, a tongue projecting from the hook between the hinge sleeves and rotatable with the hook, a pike and prongs on said hook, adapted to grip the periphery of a pole, a triangular dog above said tongue, and means engaging said dog for locking the hook member in climbing position.

1,499,734. OIL BURNER. JOSEPH HEINZEL, Grantwood, N. J. Filed Mar. 9, 1923. Serial No. 623,836. 3 Claims. (Cl. 158—92.)



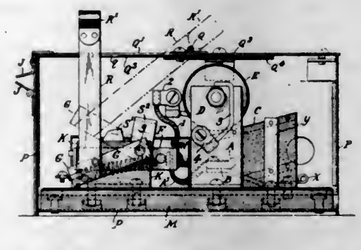
3. A device of the class described comprising a main hollow annular body, legs on said body, ridges on the upper end of said legs, said ridges being separated from the wall of said body by channels, a conical shaped hood adapted to be seated in said channels, said hood having a relatively large opening at its upper end, said main body being adapted to receive fuel oil, a concentric funnel projecting upwardly from the bottom of said body having a divergently tapered opening therein, a water head mounted above said hood, the flames of said oil being adapted to vaporize the water contents of said head, a pipe connecting said water head with the funnel, said pipe being adapted to convey the water vapor to a position above the surface of the burning oil, semi-circular channels formed in the main body forming air jets, a casing beneath said main body communicating with said jets, an air blower connected to said casing adapted to force air thru said jets to the region above the oil, said air and water vapor being adapted to atomize the burning oil, and means for using said air and water vapor independently or simultaneously.

1,499,735. CAR-DOOR-OPERATING MECHANISM. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 21, 1919. Serial No. 278,555. 12 Claims. (Cl. 268—7.)



2. The combination with a door and a non-reversing motor therefor, of a non-reversing member driven by the motor, a reversible shaft operatively engaging the door and having a free end movable for selective engagement with said non-reversing member, a shifter for the free end of said shaft, a controller for said shifter, and retaining means for maintaining said shaft in acting position throughout the run of the door.

1,499,736. SAFETY SWITCH. LEE P. HYNES and PERCY M. GRIFFIN, Albany, N. Y., assignors to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Mar. 19, 1920. Serial No. 367,256. 6 Claims. (Cl. 200—50.)

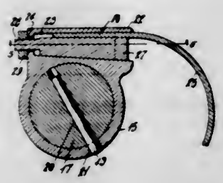


2. The combination with an electric switch having a handle and members capable of movement independently of the handle, an enclosing box for the switch provided with a movable cover, said switch handle and said cover having complemental means for preventing opening of the cover when circuit through the switch is closed, and means actuated by movement of the handle to engage one of said switch members when the handle is moved to open position.

1,499,737. TIMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ORVILLE E. KEY, Little York, Ill. Filed Apr. 17, 1922. Serial No. 553,314. 2 Claims. (Cl. 200—26.)

1. The combination with a timer casing and a shaft projecting into the same of a carrying member keyed to said shaft and adapted to operate within said timer casing, an offset on said carrying member provided with a

tapering recess extending at right-angles to the extent of said shaft, a brush member having a portion curved in substantially the arc of a circle, a reduced portion on



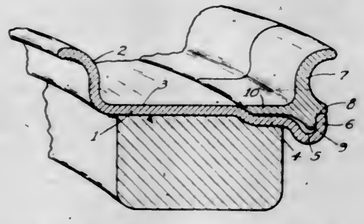
said brush adapted to enter said recess, a tapering locking member in said recess, and means to adjust said locking member to secure said brush member in place substantially described.

1,499,738. CHAIN HOOK. FRANK B. KING, Wakefield, Mass. Filed May 22, 1923. Serial No. 640,642. 3 Claims. (Cl. 24—232.)



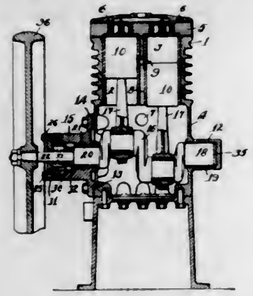
1. A securing device for anti-skid chains, comprising two elongated members, and a coupling member detachably connecting the elongated members, the ends of the elongated members being formed to constitute when connected two divisible eyes arranged in planes substantially at right angles to each other and adapted to respectively engage a link of an anchoring chain and a link of an anti-skid chain, the members of each divisible eye being separable only when the coupling member is detached.

1,499,739. AUTOMOBILE WHEEL RIM. FRED R. KLAUS and HARRY W. KRANZ, Cleveland, Ohio, assignors to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 23, 1921. Serial No. 447,136. 1 Claim. (Cl. 152—21.)



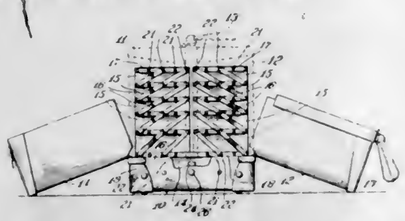
In a wheel, a tire retaining rim having a fixed section, comprising a circumferential tire retaining flange and a base portion integral therewith having a portion forming a seat for a portion of the base of the tire, said base portion being offset to a smaller diameter on the side thereof opposite said integral flange, said offset portion at its outer edge bent inwardly and flanged outwardly to form a relatively narrow peripheral groove therein, and a removable tire retaining ring having a circumferential tire retaining flange, an intermediate lip projecting inwardly from the base thereof engaging said peripheral groove and forming with the outer portion of the base therof a shoulder engaging the edge of the flange at the outer side of the groove and an inwardly projecting flange extending across said offset portion, the top thereof being alined with the base portion of the fixed section and completing the seat for the tire base.

1,499,740. COMPRESSOR FOR REFRIGERATING MACHINERY. FREDERICK H. KOLBE, Detroit, Mich., assignor to Kelvinator Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 17, 1919. Serial No. 283,044. 5 Claims. (Cl. 286—11.)



5. In refrigerating apparatus, a casing having a bearing and a cavity into which said bearing opens, a shaft journaled in said bearing and having a shoulder, a collar surrounding said shaft and facing said shoulder, a spring interposed between said collar and a part of said casing and tending to move said collar toward said shoulder, and a longitudinally-expansible, cylindrical sheath located inside said cavity and hermetically joined to said collar and casing.

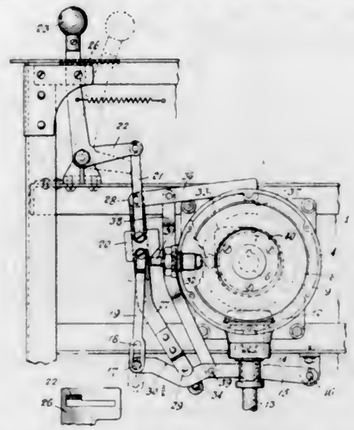
1,499,741. SAMPLE CASE. HARRY H. LABADIE, BURTON B. BEERS, and WILLIAM MACDONALD BRAND, Chicago, Ill.; said Beers and Brand assignors of their entire interest to Knickerbocker Case Company, Chicago, Ill., a Corporation of Illinois. Filed June 29, 1922. Serial No. 571,638. 5 Claims. (Cl. 190—17.)



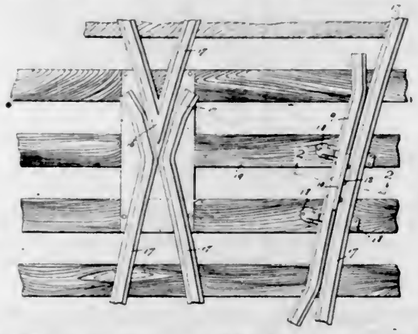
1. In combination, a tray, bars connected across the ends of the tray, spacing strips interposed between the bars and the tray, and links pivotally connected with said bars by means of rivets, the heads on the inner ends of which are provided with clearance by the use of said spacing strips.

1,499,742. POSITIVELY-ACTUATED CLUTCH FOR WASHING MACHINES. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Oct. 6, 1920. Serial No. 415,185. 10 Claims. (Cl. 192—148.)

1. In a washing machine, a revolvable shaft, a source of power for driving said shaft, a separable clutch between said shaft and said source of power fo connecting said shaft operatively to said source, an actuator engaging said clutch for moving the same to open and closed position, a revolvable cam driven by said shaft and projecting radially therefrom and a member adapted to be moved by said cam so as to cause said actuator to open said clutch, manually actuated means for positively moving said member into and out of position to be moved by said cam co-operating stops acting when engaged to stop the shaft in a predetermined angular position, and connections with the clutch actuating means for bringing the stops into operative relation upon opening the clutch.



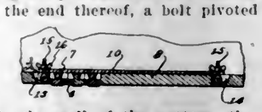
1,499,743. RAILWAY-GUARD-RAIL SUPPLEMENT. MATTHEW J. MCNAMARA, Scranton, Pa., assignor of one-half to James R. Fleming, Scranton, Pa. Filed June 12, 1923. Serial No. 644,966. 6 Claims. (Cl. 238—17.)



1. The combination of a railway frog, a guard rail for said frog disposed in service opposite said frog; and a supplement member therefor removably attached thereto in service transversely alined with said frog and adapted for shifting the wheels of a train in a direction away from said frog, said member having a chamfered surface extending from a thin upper edge juxtaposed in service to said guard rail over which the wheels of a train slide when resting thereon.

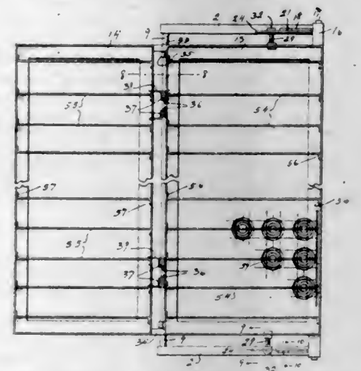
1,499,744. PATTERN CONSTRUCTION FOR THE NUMBERING OF CASTINGS. JOHN MANU, Detroit, Mich. Filed June 11, 1921. Serial No. 476,668. 1 Claim. (Cl. 22—158.)

A numbering means for castings comprising a pattern having a slot formed in the wall thereof, the slot having oppositely inclined side walls and of less width at the surface than the interior, a series of blocks bearing numbers in the outer face adapted to make a mold impression and provided with inclined walls fitting the inclined walls of the slot, each of said blocks having recesses formed in the opposite remaining walls permitting insertion of the fingers of the operator to insert or withdraw the same, a locking bar provided at each end with a slot opening through the end thereof, a bolt pivoted at each end



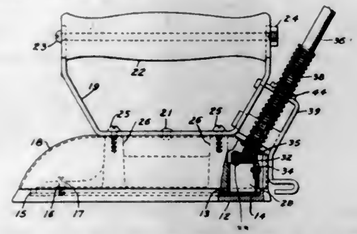
of the slot in the wall of the pattern, the said pattern wall being recessed to permit each bolt to be swung outwardly to allow the locking bar to be positioned, and a nut for engaging the locking bar at each end when the bolt has been positioned in the respective slot of the locking bar.

1,499,745. FOLDING COUCH. HARRY H. MEGARY and CHARLES T. MEGARY, New York, N. Y. Filed Aug. 23, 1922. Serial No. 583,832. 4 Claims. (Cl. 5—27.)



1. In a couch bed, a main supporting frame, a longitudinally extending rod mounted upon said frame, a couch section including a rectangular frame having sleeves loosely embracing said rod whereby said couch section may be turned from a horizontal position to a vertical position and vice versa, a plurality of pairs of coiled springs mounted upon the rod and operatively engaging the frame of the couch section, the springs of each pair being oppositely coiled with relation to each other, one spring acting to resist movement of the couch section from a vertical plane to a horizontal plane in one direction and the other spring of each pair yieldingly opposing movement of the couch section from a vertical position to a horizontal position in the opposite direction.

1,499,746. ELECTRIC IRON. DAVID MICHIE, Irwin, Pa. Filed Dec. 15, 1922. Serial No. 607,206. 12 Claims. (Cl. 219—25.)



1. In an iron, in combination, a body portion, a cover, a handle strap secured to said cover, and a three-point supporting member for said iron secured to said handle strap only by integral portions extending therethrough and bent thereover.

1,499,747. END BUCKLE. JOHN C. NICHOLS, Sheboygan, Wis. Filed July 28, 1923. Serial No. 654,399. 1 Claim. (Cl. 24—183.)



A harness connector comprising a body portion having parallel side bars, a hook extending upwardly and turned back and directed inwardly and located adjacent the forward end of said connector, a pair of transverse strap guide bars joining the upper portion of said parallel side bars, one of such transverse bars being located closely adjacent said hook, but spaced longitudinally therefrom, and the other of said bars being located at the rearmost end of said body portion, a pair of lower transverse bars arranged in spaced relative relation and located between and below said first mentioned bars, and a forwardly and upwardly directed prong integrally formed with the rearmost of said last mentioned transverse bars and pointing towards said hook, whereby all of said bars are spaced apart longitudinally of the device.

1,499,748. GAME APPARATUS. CHRIST PAPOUCHIS, Far Rockaway, N. Y. Filed May 31, 1922. Serial No. 564,685. 17 Claims. (Cl. 235—127.)



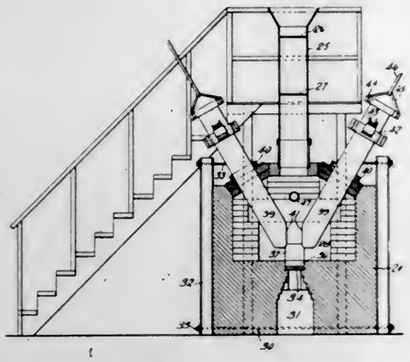
1. In a bowling game apparatus, the combination of a scoring mechanism, several devices in different positions adapted to be actuated by the balls, a single means actuated by all of said devices to initiate movement of the scoring mechanism, and other means actuated by certain of said devices to limit in different degree the movement of the scoring mechanism.

1,499,749. COMPOSITION FOR TONING PHOTOGRAPHIC SILVER IMAGES. PAUL REHLÄNDER, Berlin-Charlottenburg, Germany. Filed May 22, 1922. Serial No. 562,811. 2 Claims. (Cl. 95—88.)

1. Toning agents for photographic silver images consisting of solid selenosulphates of alkali metals and sulphites of alkali metals.

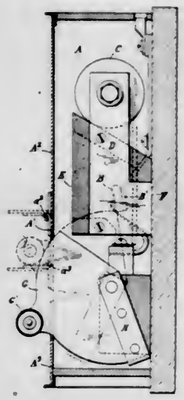
1,499,750. PROCESS OF PRODUCING GAS. JAMES HENRY REID, Readsboro, Vt., assignor to International Nitrogen Co., Cleveland, Ohio, a Corporation of Delaware. Filed Feb. 13, 1920. Serial No. 358,456. 16 Claims. (Cl. 204—62.)

10. In the process of producing gas and a metallic carbide, mixing substantially equal parts by weight of a finely divided metal oxycompound and a coke-producing compound and heating the said mixture in a retort closed



to the admission of air or oxygen thereto thereby to coke the said compound.

1,499,751. SAFETY SWITCH. ROBERT S. RHODES, Brooklyn, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Jan. 25, 1921. Serial No. 439,812. 5 Claims. (Cl. 200—50.)

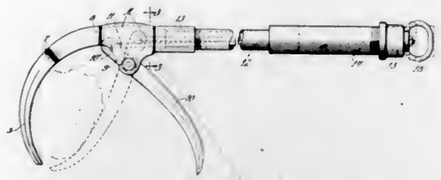


1. A safety switch comprising a casing provided with a hinged cover having a slot therein open at one end contiguous to the hinged portion of the cover, a switch handle extending through and normally filling said slot, and means on said handle co-operating with a portion of the cover contiguous to the closed end of the slot to prevent movement of the latter until the handle is moved to a predetermined position.

1,499,752. SPLICING OF PNEUMATIC TUBES, ETC. WILLIAM FRASER RUSSELL and MAURICE KENNARD STEVENS, Norwalk, Conn., assignors to The Norwalk Tire & Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed June 23, 1923. Serial No. 647,372. 28 Claims. (Cl. 154—42.)

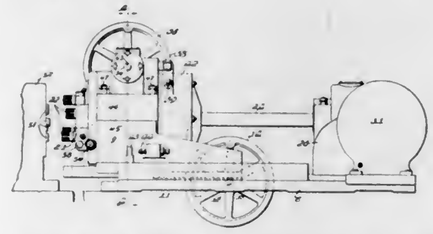
22. An improved process of uniting rubber surfaces which comprises coating one surface with a rubber cement containing sulfur, coating the other surface with an ultra accelerator, then closing the union and heating it in hot water or its equivalent.

1,499,753. CLINKER TONGS. CARL F. SKOOG, South Bend, Ind. Filed July 12, 1922. Serial No. 574,563. 2 Claims. (Cl. 294—11.)



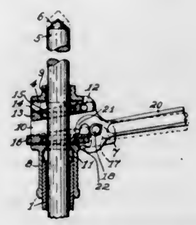
1. In a clinker tongs of the character described, a hollow head having a solid neck and hook shaped forked end extending laterally from one end thereof and ears depending from an open side of the head with a threaded socket at the other end, a tubular handle extending from and threaded into the socket of the head, a laterally positioned finger extending between said ears into the head and pivoted to said ears, a rod extending through said handle ending in the hollow head and pivotally connected to the finger inside the head, and an operating handle for said rod.

1,499,754. MILLING MACHINE. WILLIAM C. SPROUL, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 22, 1920. Serial No. 367,951. 12 Claims. (Cl. 90—15.)



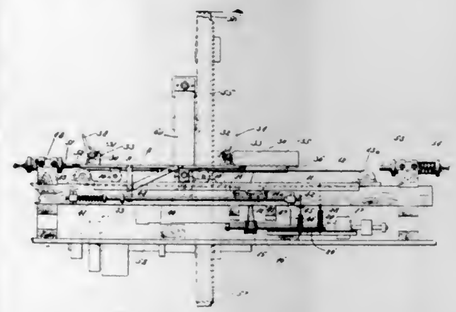
1. In a milling machine, the combination of a spindle-carrying drum, a plurality of spindles carried thereby and equipped with cutters, means for oscillating said drum to bring the spindle cutters into operative relation with the work, and means for adjusting said drum and the spindles carried thereby longitudinally to regulate the depth of cut.

1,499,755. ADJUSTABLE POST. JAMES H. STEBBINS, Waterloo, Iowa. Filed Oct. 25, 1923. Serial No. 670,722. 5 Claims. (Cl. 254—106.)



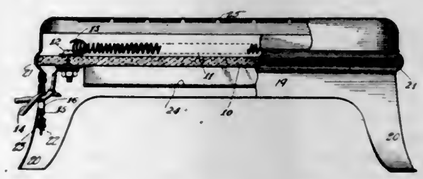
5. In combination, a housing member having both longitudinal and lateral openings at opposite places, an elongated element mounted to slide through one pair of said openings loosely, a clutch-element terminally pivoted in said housing to swing vertically to be loose upon said elongated element in one position and to engage and clutch same releasably in another position, another clutch-element within said housing mounted to swing vertically to be loose upon said element in one position and having oppositely positioned pointed detents to engage and clutch same releasably in another position, and a lever fulcrumed on said housing and having a terminal fork whose prongs are above and below the adjacent end of the last-mentioned clutch-plate to engage same alternately when the lever is swung reversely to releasably clutch said plate and lift said elongated element and release it by a step by step actuation thereon.

1,499,756. SAWMILL. LOUIS H. STREET, Olean, N. Y. Filed Mar. 18, 1922. Serial No. 544,717. 2 Claims. (Cl. 143—106.)



1. In a saw mill, the combination with a carriage, and a friction mechanism for driving the carriage in opposite directions, of a pedal device for reversing the friction driving mechanism, a tripping mechanism for holding the pedal depressed, and a tappet device operated by the movement of the carriage at the end of its forward stroke for releasing the tripping mechanism.

1,499,757. ELECTRIC TOASTER AND HEATER. ANDREW WYZENBEEK, Chicago, Ill., assignor to Frank L. Kobihase, Chicago, Ill. Filed Apr. 6, 1923. Serial No. 630,260. 9 Claims. (Cl. 219—37.)

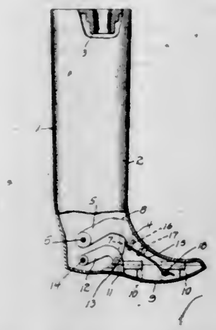


1. A support for an electrical heating element for use in electrical heating apparatus, said support consisting of an asbestos board provided on the surface thereof with a covering consisting of aluminum bronze and silicate of soda.

1,499,758. COLLAPSIBLE LAST. PEARL D. BABCOCK, Milford, Conn., assignor to L. Candee & Company, a Corporation of Connecticut. Filed Sept. 17, 1921. Serial No. 501,374. 14 Claims. (Cl. 18—46.)

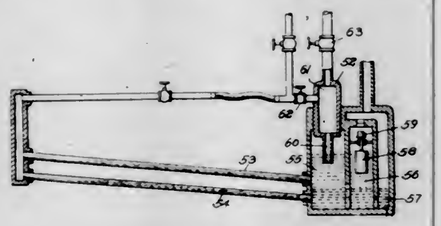
14. A hollow collapsible boot tree comprising a hollow leg and heel section, a hollow toe section including upper and lower portions slidably united by a dove-tail connection, said sections having circularly curved con-

tacting faces, an arm extending from said upper portion and pivotally connected to the leg and heel section, a curved link pivotally connected at one end to the lower



toe portion and at its other end to the leg and heel section, and means for yieldingly maintaining the parts in closed or lasting position.

1,499,77[illegible] 'UGE. HERMAN BACHARACH, Pittsburgh, Pa., assi[illegible]o, to Bacharach Industrial Instrument Company, a Cor[illegible]ation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,278. 13 Claims. (Cl. 73—31.)

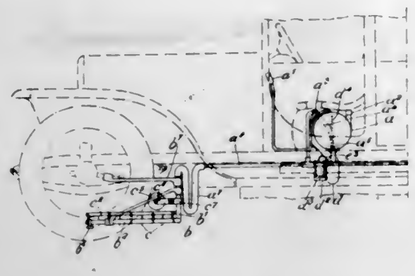


1. In combination in a gauge for measuring fluid pressure, a fluid pressure-responsive means, means to receive the same including a plurality of pressure legs of different cross sectional area bearing a definite relation to each other and having communication with the fluid of said means, connections for applying one of two fluid pressures, whose difference is to be measured, to a certain group of said legs, means whereby the application of such fluid pressures may be shifted so as to apply to certain legs of said group selectively, thus varying the range of said responsive means per unit of pressure, and connections for applying the other of the two said pressures to said responsive means through another of said legs outside of said group.

3. In combination in a gauge for measuring fluid pressures, liquid indicating means, a transparent tube carrying said liquid indicating means, a chamber containing a liquid in communication with the liquid of said indicating means, a pressure leg of cross section different from that of said chamber extending through the top of the chamber and adjustable vertically therein so that its lower end may be either above the surface of the liquid of the chamber or below the surface thereof, and means for applying fluid pressure through said pressure leg.

1,499,760. DUST-LAYING DEVICE FOR MOTOR VEHICLES. ALPHONSE BANDELIER, Lausanne, Switzerland. Filed Feb. 10, 1923. Serial No. 618,187. 2 Claims. (Cl. 180—84.)

1. Dust laying apparatus for motor vehicles, comprising a water reservoir carried by the vehicle, tubular sprinklers connected to said reservoir and having outlet nozzles adapted to sprinkle water on the ground immediately

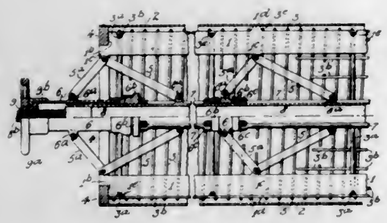


about each wheel of the vehicle, and reciprocatory means operated by the wheels of the vehicle for maintaining the nozzles of said sprinklers free from choking.

1,499,761. PRODUCTION OF M-AMINO-BENZALDEHYDE. DON W. BISSELL, Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 29, 1920. Serial No. 377,545. 14 Claims. (Cl. 260—130.5.)

1. The method of reducing the bisulfite compound of meta-nitrobenzaldehyde, which comprises subjecting the same in aqueous solution to the action of iron and an amount of acid sufficient to combine with about 1% to 2% of the iron.

1,499,762. CENTRIFUGAL MANUFACTURE OF REENFORCED-CONCRETE PIPES AND THE LIKE. HARRY CONRAD, Toorak, Australia. Filed Jan. 15, 1924. Serial No. 686,279. 5 Claims. (Cl. 25—30.)

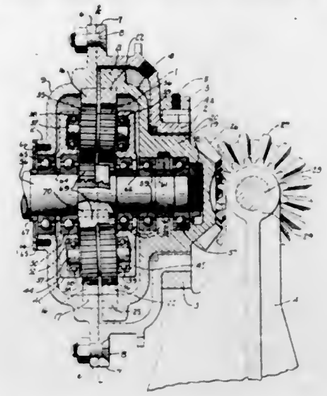


1. In the manufacture of reenforced concrete articles, holding a reinforcing cage concentrically in a mould by pressure of longitudinal adjustable members of bar type of a core, forming a concrete shell within the mould by centrifugal motion so that the shell maintains the cage in the said position, retracting the core members, adding concrete, and applying centrifugal motion, thereby embedding the cage to the extent required.

1,499,763. POWER-TRANSMITTING AND SPEED-REDUCING MECHANISM. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Apr. 15, 1922. Serial No. 553,251. 11 Claims. (Cl. 74—34.)

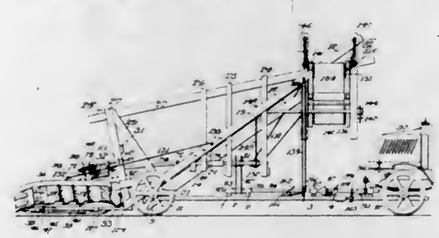
1. A gearing mechanism including in combination two pinions of the same pitch diameter but different di-

ametral pitch and fixed to rotate together, and two gears varying very slightly in their pitch diameters and having



the same diametral pitch as the two pinions, respectively, the gears and pinions of the same diametral pitch being in mesh with each other.

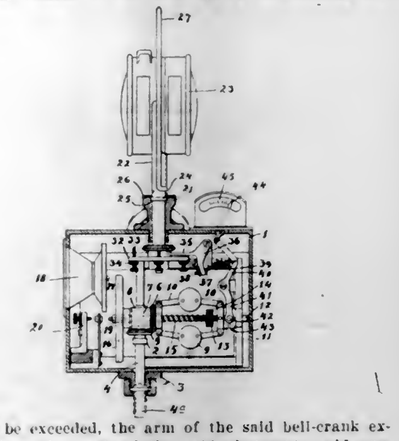
1,499,764. DIGGING AND LOADING MACHINE. PIERPONT E. DUTCHER, Upper Montclair, N. J. Filed Oct. 6, 1922. Serial No. 592,819. 28 Claims. (Cl. 37—192.)



1. An apparatus of the character described comprising, a movable support, elongated digging arms carried thereby in V formation, digging and carrying elements mounted in the arms, and means for actuating the digging elements along the surface of the arms.

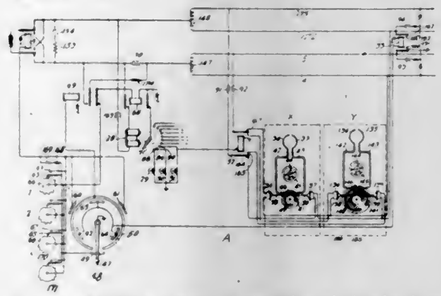
1,499,765. SPEED-CONTROLLING APPARATUS FOR AUTOMOBILES AND THE LIKE. JOHAN KRISTIAN BJARNE FALCK, Larvik, Norway. Filed Aug. 2, 1922. Serial No. 579,202. 3 Claims. (Cl. 175—355.)

3. In a speed indicating apparatus for motor-driven vehicles, the combination with a closed casing, of a shaft rotatably journalled therein and adapted to be rotated from the wheel-axle of the vehicle, a ball-governor operated by the said shaft, an axially movable spindle adapted to be displaced by the said governor in the direction of its axis, means carried by the said spindle for operating a signalling device on a predetermined speed of the governor being exceeded, an adjustable speed controlling spring connected with the said governor, a second shaft, rotatably journalled in the said casing, a lantern having variously colored glasses being carried by the said shaft, manually operated means for turning the said second shaft thereby changing the angular position of the said lantern to indicate a certain speed, a disk carried by the said second shaft within the said casing, adjustments adjustably mounted on the said disk, a pivoted bell-crank having one arm extending into the path of the said abutments and adapted to cooperate therewith, a two-arm lever pivoted to said casing and connected to the said ball-governor, and an adjustable spring connecting the said two-arm lever with the other arm of the said bell-crank, the tension of the said spring determining the



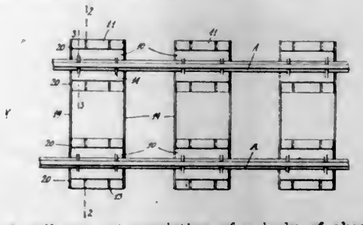
speed to be exceeded, the arm of the said bell-crank extending into the path of the said abutments said arm being upwardly curved.

1,499,766. SWITCHING SYSTEM. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 5, 1919. Serial No. 308,759. 23 Claims. (Cl. 177—386.)



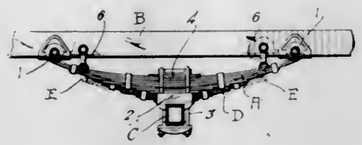
9. In a switching system, a plurality of circuits interconnecting a plurality of selectable stations, selectors and selectable devices at each station, means for operating said selectors to select a device over one of said circuits and means operative for transmitting over another of the circuits a series of impulses to selectively set a selector to prepare it for subsequent operation by said operating means.

1,499,767. RAILWAY-TRACK CONSTRUCTION. CHESTER F. GAILOR, Brooklyn, N. Y., and CHARLES H. CLARK, Cleveland, Ohio. Filed Nov. 19, 1921. Serial No. 516,287. 12 Claims. (Cl. 238—7.)



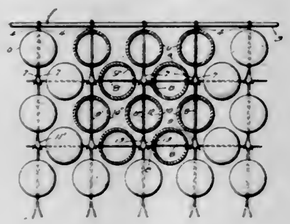
8. A rail support consisting of a body of sheet metal formed with a central member and side members diverging from said central member and forming a channel therewith, and projections extending from said support into said channel.

1,499,768. VEHICLE SPRING. GEORGE A. GEMMER, Newark, N. J. Filed July 17, 1922. Serial No. 575,470. 2 Claims. (Cl. 267—45.)



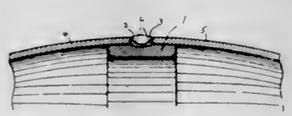
1. In a spring construction, the combination of a pair of members one of which is movable toward and from the other, a main leaf spring connected at its ends to one of said members and substantially centrally of its length to the other to yieldingly hold said members in spaced relation, and an auxiliary leaf spring connected at its ends to said first-mentioned member and substantially centrally of its length to said second-mentioned member and tending to draw said members together against the influence of said main spring, said auxiliary spring gradually decreasing its said influence on said members for a portion of the movement of either toward the other and then cooperating with said main spring to yieldingly resist further movement of either of said members toward the other.

1,499,769. FABRICATED BEADWORK. MARCEL GODEFROY, New York, N. Y. Filed Dec. 7, 1922. Serial No. 605,532. 3 Claims. (Cl. 63—2.)



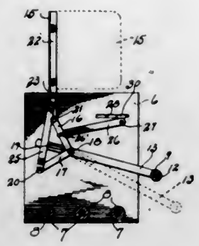
1. A fabricated material composed of beads carried on a flexible frame consisting of lengths of wire shaped to form open end loops, the extremities of each of said loops being interlocked with adjacent loops, certain of the beads holding the adjacent loops together to continue the fabric laterally.

1,499,770. ELECTRIC-ARC WELDING. EMIL GRUENFELDT, Cleveland, Ohio. Filed Sept. 1, 1921. Serial No. 497,586. 5 Claims. (Cl. 219—10.)



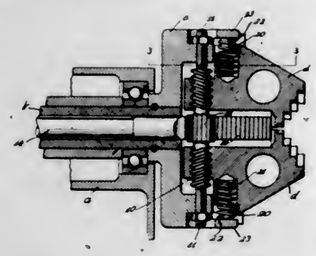
1. A joint produced by electric arc welding comprising a backing bar, a pair of sheet metal members on one face of the bar with their edges spaced, the edges of said sheet metal parts being secured to said bar by fusion of said edges and of spacing projections on the bar between the said edges and electrode metal filling the channel formed by the face of the bar and the edges of said sheet metal parts.

1,499,771. AUTOMATIC MAIL-BOX SIGNAL. HENRY W. GUY, Kansas City, Mo. Filed Sept. 6, 1923. Serial No. 661,203. 6 Claims. (Cl. 232—35.)



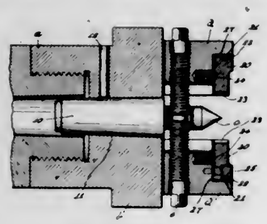
1. An automatic mail box signal, comprising in combination with the door of a mail box a slotted support, an indicator, toggle-link actuating means and means for returning said indicator to a set position connecting one of said toggle links and the slot in said support.

1,499,772. CHUCK. BENGT M. W. HANSON, Hartford, Conn. Filed Aug. 20, 1921. Serial No. 493,829. 3 Claims. (Cl. 279—112.)



1. In a device of the character described, radially movable jaws, means for positively and bodily moving said jaws towards each other, and automatically operating means for counteracting the centrifugal force of said jaws.

1,499,773. WORK DRIVER FOR LATHES. BENGT M. W. HANSON, Hartford, Conn. Filed Jan. 25, 1922. Serial No. 531,551. 1 Claim. (Cl. 82—40.)



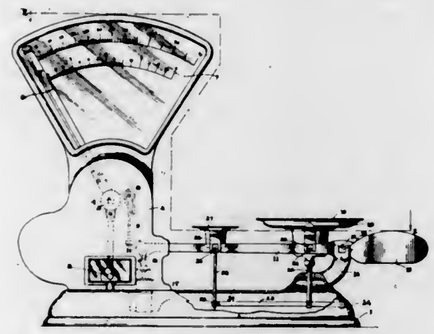
In a device of the character described, a rotatable head, an axial work center carried thereby and adapted to engage the end of the work, jaw blocks mounted for radial movement on said head, means for moving said jaw blocks towards each other, and jaw members fulcrumed on said blocks forwardly of the active faces of said jaw members whereby, when said jaw members engage the work, they swing about their fulcrums and thus force the work towards and hold the work against said work center.

1,499,774. PROCESS OF MAKING HEAT-INSULATING COVERINGS FOR PIPES OR SIMILAR ARTICLES AND COVERING MADE THEREBY. FRANK A. HEADSON, Milwaukee, Wis., assignor to Johns-Manville, Incorporated, a Corporation of New York. Filed Aug. 26, 1922. Serial No. 584,534. 14 Claims. (Cl. 154—28.)



3. A process of making heat insulating coverings having separable inner and outer sections, which comprises winding heat insulating sheet material around a rotary support, thereby forming an inner section having a plurality of connected layers of sheet material, then wrapping around said inner section an intermediate separating layer of sheet material having a dry surface to separate said inner section from an outer section to be wound thereon, and then winding heat insulating sheet material upon and around said intermediate layer and around said inner section by rotating said inner section, thereby forming an outer section having a plurality of connected layers of sheet material surrounding said intermediate separating layer and said inner section and separated from said inner section by said intermediate separating layer.

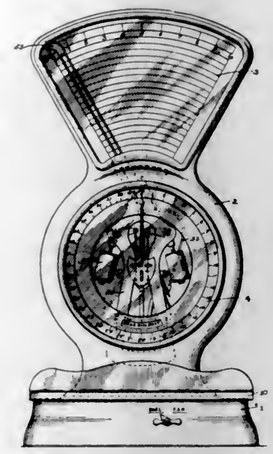
1,499,775. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,141. 9 Claims. (Cl. 265—61.)



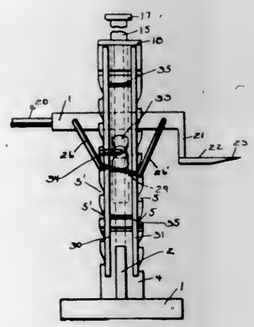
1. In a weighing scale, in combination, a lever fulcrumed adjacent one end, load-offsetting mechanism, a connection from the other end of said lever to said load-offsetting mechanism, and a plurality of commodity-receivers connected to said lever intermediate its fulcrum and the connection to said load-offsetting mechanism.

1,499,776. FAN AND DIAL PENDULUM SCALE. HALVOR O. HEM, Toledo, Ohio, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,144. 14 Claims. (Cl. 265—53.)

1. In a scale, in combination, a commodity-receiver, motion multiplying weighing mechanism, means for changing the multiplication of said mechanism, a plurality of independent indicators connected with said mechanism, one of said indicators indicating the load upon the commodity-receiver in each multiplication of said mechanism, means for designating the indicator upon which the load is indicated in the particular multiplication employed and means for operatively connecting said multiplication changing and said indicator designating means.

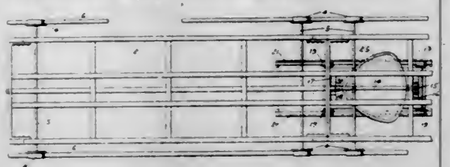


1,499,777. JACK. JAMES L. HICKEY, Milwaukee, Wis. Filed Dec. 11, 1922. Serial No. 606,326. 3 Claims. (Cl. 254—110.)



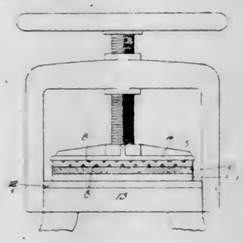
1. A jack comprising a base and two opposed substantially vertical uprights, parallel vertical guides on the inner faces of said uprights, each of said uprights having ratchet teeth projecting from its opposite edges, a supporting bar slidable on the guideways of said uprights, a lever pivotally connected to said bar, pawls pivoted to said lever and depending therefrom on each side of the pivotal connection thereof, springs urging said pawls into engagement with said ratchet teeth, a pair of vertical bars slidably mounted on the outer face of one of said uprights for horizontal bodily movements towards and away from each other, and manually operable means for spreading said bars to disengage the pawls from said ratchet teeth.

1,499,778. CONVEYING APPARATUS. HOWARD R. LOUGHRIDGE, Pittsburgh, Pa., assignor of one-tenth to W. B. McCrory, Pittsburgh, Pa.; two-tenths to C. J. Herzog, Wilkinsburg, Pa.; two-tenths to L. W. Herzog, Troy, N. Y.; two-tenths to C. H. Loughridge, Cleveland, Ohio; and one-tenth to N. F. Loughridge, Pittsburgh, Pa. Filed Nov. 13, 1922. Serial No. 600,622. 8 Claims. (Cl. 104—147.)



3. In apparatus of the kind disclosed, a supporting truck provided with upwardly extending guiding pins and surrounding cushioning springs, an upper removable frame having portions engaging said pins and springs, and means for shifting said truck and frame intermittently.

1,499,779. PLATEN FOR STEREOTYPE DRYING TABLES. WALKER W. MCCARROLL, New Haven, Conn. Filed Jan. 5, 1923. Serial No. 610,955. 3 Claims. (Cl. 34—16.)



3. A platen for stereotype drying tables, comprising a metal plate formed in one face with a series of parallel channels and on its opposite face with two series of grooves arranged at right angles to each other, one series of grooves intersecting the said channels, whereby a series of openings is formed through the plate.

1,499,780. METHOD FOR COFFEE ROASTING. SARIN OPREAN, New York, N. Y. Filed July 13, 1923. Serial No. 651,427. 3 Claims. (Cl. 34—24.)

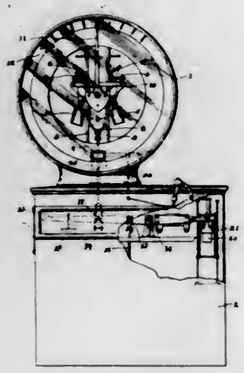
1. The process of roasting coffee which consists in a partial roasting operation, followed by subjection of the heated coffee to cold water for a short period and final completion of the roasting operation.

1,499,781. PIPE COVERING AND METHOD OF MAKING SAME. FREDERIC L. PILLIOD, Plainfield, N. J., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Nov. 6, 1922. Serial No. 599,180. 8 Claims. (Cl. 154—28.)



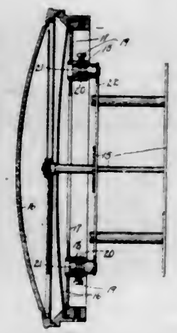
5. As an article of manufacture, a sectional pipe covering comprising two nested longitudinally slitted tubes each composed of a superposed layer of non-heat conducting material cemented together and a layer of smooth-faced material located between the adjacent surfaces of two tubes so formed and cemented to one of these only whereby the two tubes when applied to a pipe as a covering therefor can be slid one upon the other both circumferentially and longitudinally for the purpose of breaking joints.

1,499,782. WEIGHING MECHANISM. ELMER C. POOL, New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 26, 1919. Serial No. 347,434. 13 Claims. (Cl. 265—48.)



1. In a weighing scale, load-offsetting means comprising, in combination, a beam, a plurality of unit weights, means for supporting said unit weights in echelon above and transversely of said beam, and means for lowering said supporting means and thereby successively depositing said weights in a transverse row upon said beam.

1,499,783. CLOCK. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Oct. 16, 1923. Serial No. 668,811. 1 Claim. (Cl. 58—127.)



In a clock, the combination with a movement-unit, of a sash-unit, coupling-sleeves applied to one of the said units, coupling-studs applied to the other of the said units in position to register with the said sleeves when the units are brought together and formed with V-shaped grooves, and set-screws radially mounted in the said coupling-sleeves and adapted to fit into the grooves of the studs, so as to engage with the opposite walls thereof, whereby, by entering the studs into the sleeves and engaging the screws with the grooves in the studs, the units are rigidly united and all play taken up.

1,499,784. LIP-STICK HOLDER. ADOLPH C. RECKER, Oakville, Conn., assignor to The Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Aug. 10, 1923. Serial No. 656,640. 1 Claim. (Cl. 206—56.)



In a lip-stick holder, the combination with a tubular cosmetic-container having its lower end contracted to form a concentric bearing-opening, of a feed-screw located in the said container and having its lower end threaded and extended downward through the said bearing-opening, a follower located within the container and operated by the said feed-screw, a nut applied to the said projecting lower end of the feed-screw, its upper face being abutted against the outer face of the lower end of the said container so as to close the concentric bearing-opening thereof, a bearing-shoulder located upon the said screw between the inner and projecting ends thereof and fitting within the said bearing-opening, and a collar located upon the screw adjacent to the said bearing-shoulder in position to engage with the inner face of the lower end of the container for preventing the screw from downward displacement with respect thereto.

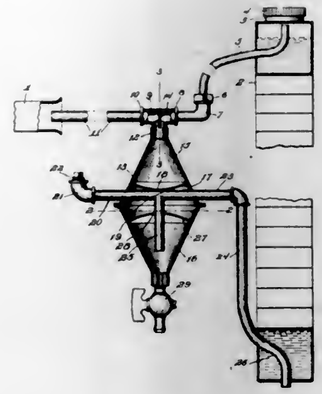
1,499,785. LEATHER AND RUBBER ARTICLE. MATHIAS REGULA, New York, N. Y. Filed Oct. 31, 1922. Serial No. 598,065. 4 Claims. (Cl. 18—59.)



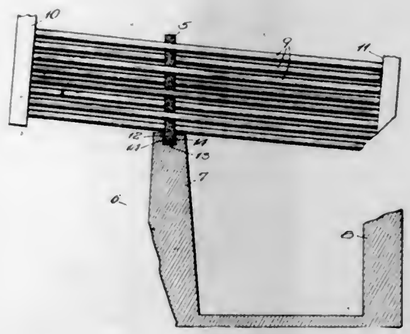
1. A sheet of material made up of rubber and small particles of leather embedded in said rubber, the particles of leather being more closely spaced toward the inner face of the sheet.

1,499,786. FUEL ECONOMIZER AND CARBON REDUCER. GROVER C. RUHMANN and ELO E. PARKER, Kenedy, Tex. Filed Sept. 19, 1922. Serial No. 589,273. 7 Claims. (Cl. 183—111.)

1. In a vaporizer for internal combustion engines, a water and steam separator comprising a casing having an upper water and vapor receiving chamber and a lower water containing chamber, admission and discharge passages communicating with the inlet of the upper chamber, a baffle plate disposed between said passages and extending downwardly into said inlet, a perforate baffle plate in the upper chamber of the casing, a perforate baffle plate in the lower chamber of the casing, and means for discharging water from said lower chamber.



1,499,787. WALL CONSTRUCTION. WILLIAM A. L. SCHAEFER, Chicago, Ill., assignor to Jointless Firebrick Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1922. Serial No. 606,182. 11 Claims. (Cl. 25—157.)

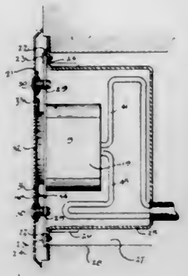


1. The method of constructing a wall which comprises making all points of support for one surface of the wall temporary to temporarily anchor the wall until self-supporting and when self-supporting freeing the entire surface of the wall anchored by said temporary anchoring means.

1,499,788. SCREW-PLUG FLUSH RECEPTACLE. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electric Mfg. Co., Waterville, Conn., a Corporation. Filed June 21, 1920. Serial No. 390,395. 4 Claims. (Cl. 247—20.)

1. The combination with a mounting-bridge having an opening, of a receptacle-plate located in front of the said

bridge in spaced relation thereto, and a receptacle-base installed in the said opening of the bridge and adapted



at its forward end to extend laterally into the space between the bridge and plate, whereby it is held against endwise displacement.

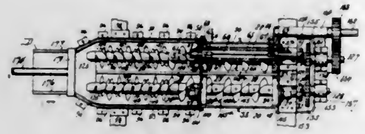
1,499,789. BANDAGE. DANA O. SEWALL, Walpole, Mass., assignor to Lewis Manufacturing Company, Walpole, Mass., a Corporation of Massachusetts. Filed July 2, 1919. Serial No. 308,388. 1 Claim. (Cl. 128—296.)



A bandage of the character described, formed of a narrow strip of gauze, a series of pads of absorbent material arranged on one face of said gauze, the gauze being folded inwardly over one edge of said pads and upon the face of the pads and then outwardly again, the gauze at the opposite edge of said pads being folded over the previous folds and then folded downwardly and inwardly again over said previous folds and then outwardly, the raw edges of the gauze being enclosed in the folded strip and unexposed.

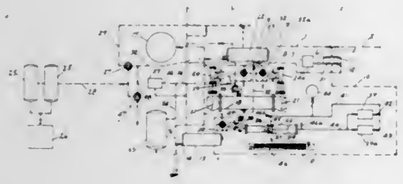
1,499,790. KNEADING MACHINE. ALBERT SHARP and GEORGE SHARP, Bayonne, N. J. Filed Oct. 11, 1921. Serial No. 507,107. 5 Claims. (Cl. 259—110.)

1. In a machine of the character described the combination of a pair of chambers connected at their lower portions, side walls for the first chamber that connect with semi-circular bottom walls forming a longitudinal apex at their juncture, the said bottom walls with their apex extending to form the bottom and side walls of the second chamber, a rear wall for the first chamber, a front wall for the first chamber, said front wall having semi-circular openings at its bottom end, which at their juncture form an apex, the apex of said front wall over the other apex



forming a port between them, a cover for the second chamber having semi-circular walls forming at their juncture a longitudinal apex, the latter apex vanishing in the vicinity of the ends of the cover forming pockets in said second chamber at the ends thereof and means to knead and blend a material in said chambers and to force the same therethrough.

1,499,791. PRESERVATIVE TREATMENT FOR TIMBERS. GRANT B. SHIPLEY, Pittsburgh, Pa. Filed Dec. 19, 1923. Serial No. 681,533. 20 Claims. (Cl. 99—12.)



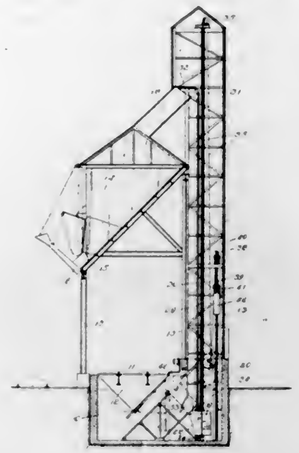
1. The process of treating timbers preservatively which consists in subjecting the timbers to a preservative bath under a pressure in excess of two hundred and fifty pounds per square inch.

20. The process of treating timbers preservatively which consists in subjecting the timbers to a preservative bath for a period of time not in excess of five minutes, forcing the fluid of the bath into the body of the timbers under a high pressure produced by the stroke of a fluid pressure ram, regulating the pressure produced by the stroke of such ram in accordance with the nature of the wood undergoing treatment, releasing such pressure, and immediately withdrawing surplus preservative from the timbers by subjecting the same to the effect of a partial vacuum.

1,499,792. MATERIAL-ELEVATING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1922. Serial No. 548,365. 37 Claims. (Cl. 214—125.)

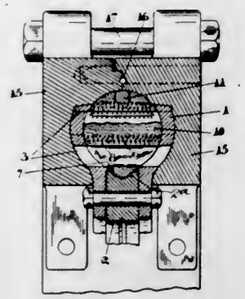
11. In material-elevating apparatus, the combination of a hopper for the material to be elevated, a bucket for elevating the material, hoisting means for said bucket, a counterweight for said bucket, a bodily movable receptacle which, when in lower position, receives material from said hopper, and, when in raised position, is positioned for discharge into said bucket, and means actuated by said counterweight in descending, for moving said receptacle

to raised position, said receptacle being provided with means controlling the discharge of the material from



said receptacle, operative to open position by the downward movement of said bucket and operative to closed position by the upward movement of said bucket.

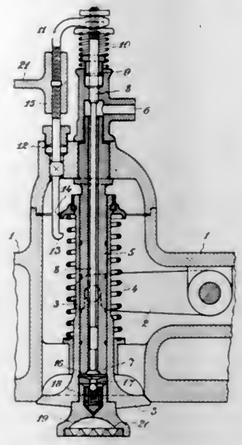
1,499,793. MOLD FOR THE MANUFACTURE OF RESILIENT TIRES. ELI J. TAYLOR, Toronto, Ontario, Canada. Filed Mar. 17, 1923. Serial No. 625,873. 4 Claims. (Cl. 18—42.)



1. A mold for forming tires such as herein described comprising a ring, two side wall half molds adapted to be secured to the ring, said half molds having a series of holes therein for the passage of transverse metal cores; shims between the outer sides of the ring and the half molds removable to allow of the contraction of the mold; and a divided outer mold adapted to enclose the aforesaid half molds and to shape up the tread of the tire.

1,499,794. COMBINED AIR VALVE AND FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. ARTHUR OSKAR LEONARD WENNERBY, Halmstad, Sweden. Filed Mar. 29, 1923. Serial No. 628,509. 6 Claims. (Cl. 123—33.)

1. Combined air valve and fuel pump arrangement for internal combustion engines having a hollow cylinder cover forming a chamber for compressed air, comprising for each cylinder of the engine a fuel inlet pipe fixed within the hollow cylinder cover, a sleeve shaped air valve arranged coaxially around said fuel pipe slidably lengthwise in relation thereto and thereby acting as a fuel pump, means for opening and closing said air valve in correct timing with regard to the strokes of the engine, a fuel valve provided at the inner end of the fuel inlet

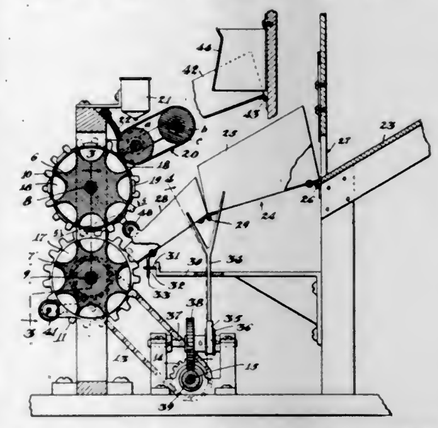


pipe facing the engine cylinder and controlling means interposed between the fuel valve and the air valve so that the former is controlled in correct timing in relation to the latter.

1,499,795. PROCESS FOR PREPARING EXCHANGE SILICATES FOR INDUSTRIAL PURPOSES. JAMES B. WHERRY, Ardmore, S. Dak. Filed June 12, 1922. Serial No. 567,825. 6 Claims. (Cl. 23—13.)

1. The method of producing granulated zeolite from natural clay which comprises first producing a slurry from the clay then alkalizing the slurry to correct the quantity of bases present, then reducing the mass to dry particles by heating to a temperature sufficiently high to completely dehydrate the same and subsequently rehydrating the dried particles.

1,499,796. IMPRINTING MACHINE. HARRIS C. WILKINSON, Los Angeles, Calif. Filed Jan. 18, 1922. Serial No. 530,208. 5 Claims. (Cl. 101—37.)



1. In a printing device, a printing roller formed with a series of peripheral recesses, a tensioned yieldable member spanning the recesses, and yieldable type on said member opposite the recesses.

1,499,797. METHOD OF MAKING TWIST DRILLS. NORMAN E. WOODS, Paterson, N. J. Original application filed Sept. 30, 1919, Serial No. 327,541. Patent No. 1,384,738, dated July 12, 1921. Divided and this application filed July 11, 1921. Serial No. 483,886. 8 Claims. (Cl. 76—108.)



1. The method of making a twist drill which consists in providing a drill blank having grooves of a predetermined substantially circular cross-sectional form extending lengthwise of its blades and intersecting the cutting lips thereof, and then twisting the blank to impart the desired spiral form to the blades and to simultaneously distort the walls of the grooves so as to produce grooves which are comparatively shallow at their sides nearer to the center of the drill and increase gradually and progressively in width toward their sides farther fom the center of the drill.

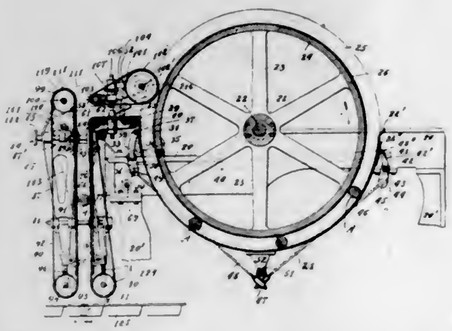
1,499,798. PROCESS FOR OXIDIZING ORGANIC SUBSTANCES IN ALKALINE LIQUORS. JEAN D'ANS, Berlin, Germany. Filed Oct. 10, 1922. Serial No. 593,632. 9 Claims. (Cl. 23—22.)

1. Process for oxidizing organic substances in alkaline lyes, which consists in heating an alkaline lye together with an oxidizing agent under pressure in the presence of a catalyzer.

1,499,799. CONVEYER FOR PLASTIC BODIES. ROBERT ELMER BAKER, Bronxville, and LAURENCE SEYMOUR HARBER, Katonah, N. Y., assignors to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y., a Corporation of New York. Filed Sept. 21, 1920. Serial No. 411,749. 17 Claims. (Cl. 107—9.)

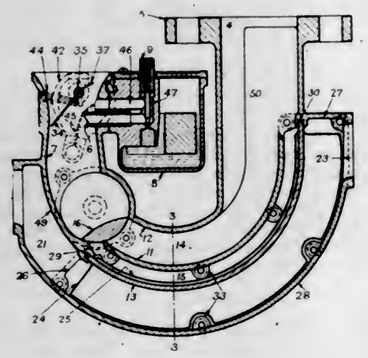
1. In apparatus for feeding materials, a rotary drum, a pressure-plate located adjacent to a portion of the periphery of said drum and adjustable toward and from the same, a conveyer leading away from the drum at the discharge end of said pressure plate, a bridging member overlapping the supporting portion of said conveyer adjacent to the drum and guided to move toward and from said drum, in a direction parallel to said supporting portion, the discharge end of said pressure-plate being in sliding engagement with said bridging member, and means for effecting the adjustment of said pressure-plate and bridging member.

15. In apparatus for feeding materials, a conveyer having a supporting run and a depending run at one end of said supporting run, a rotary drum for supplying the material to the other end of said supporting run, a pressure-plate located adjacent to a potion of the periphery of said drum and terminating adjacent to said other end of said supporting run, driving mechanism for said conveyer, a carrier on which said depending run is mounted, said carrier being adjustable to vary the angle which the path of said depending run forms with the path of the supporting run, another conveying means



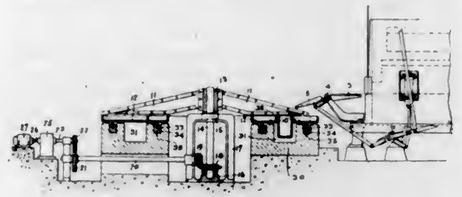
mounted on said carrier and having an operative run parallel to said depending run and projecting above the upper end of said run so as to be in the path of the material fed by the supporting run, flexible driving means connecting said conveying means with said driving mechanism, and tension means for maintaining said flexible means in proper driving condition during the adjustment of the carrier.

1,499,800. CARBURETOR. BRYANT BANNISTER, Pittsburgh, Pa., assignor to Bannister Motor Appliance Company, a Corporation of Pennsylvania. Filed Nov. 12, 1921. Serial No. 514,571. 11 Claims. (Cl. 123—122.)



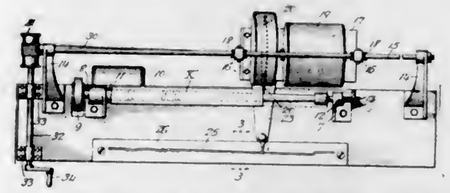
1. In a combustible mixture forming device for internal combustion engines, means dividing the mixture traversing the device into two streams of different densities, means for heating the denser of said streams to a higher temperature than the other steam and means for allocating the mixture to said streams.

1,499,801. CASE-HARDENING PROCESS. FRANK A. BOND, Pittsburgh, Pa., assignor to United States Chain & Forging Company, a Corporation of Delaware. Filed July 18, 1921. Serial No. 485,699. 9 Claims. (Cl. 148—19.)



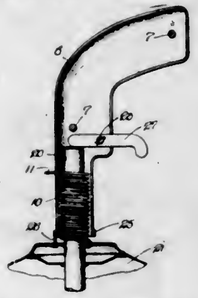
1. The process of hardening iron and steel that comprises preheating the metal to be hardened to at least its upper critical point and then immersing the preheated metal in a fused bath containing a cyanide.

1,499,802. WOOD-TURNING MACHINE. LESLIE H. BUELIN, Chicago, Ill. Filed Oct. 20, 1921. Serial No. 509,173. 4 Claims. (Cl. 142—37.)



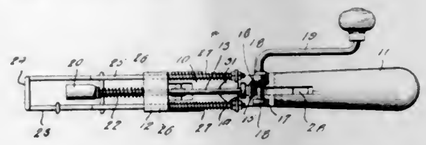
1. A wood turning machine comprising a bed, work spindles disposed on said bed, a curved support disposed at each end of the bed and having their upper ends connected with a rail, a platform suspended from said rail, movably along said rail and oscillating transversely of said rail, said platform having mounted thereon a wood cutting saw whose diameter greatly exceeds that of the work and means for rotating said saw, the axis of the said saw being inclined to the horizontal and the cutting edge of the saw being inclined to the axis of the work, an arm projecting from said platform having a downwardly projecting lug, means disposed on the bed cooperating with said lug for guiding the cutter longitudinally and transversely.

1,499,803. TOY SPINNER. EDWARD L. CAYO, Buchanan, Mich. Filed June 29, 1922. Serial No. 571,626. 1 Claim. (Cl. 46—32.)



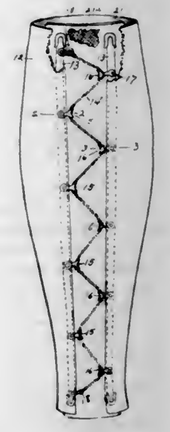
A device for spinning a top comprising a pistol grip stock having a hollow barrel; a coiled spring within the barrel having its inner end connected to the barrel and its free end formed into a hook; a fixed stop projecting from the end of the barrel to engage a top when the stem thereof is inserted into the spring and a trigger extending transversely into said stock and pivoted thereto, its inner end in a plane above the axis of the spring, whereby to disconnect the top and stock directly by pull on the trigger.

1,499,804. WRENCH. SANDY CHAMPION, Hot Springs, Ark. Filed May 15, 1922. Serial No. 561,052. 1 Claim. (Cl. 81—56.)



A wrench tool comprising a stock, a shaft rotatably mounted in said stock, a socket wrench jaw slidably mounted at one end of said shaft, a spring to normally hold said jaw in its forwardmost position, means including a handle to rotate said shaft and jaw, a fixed clamping jaw carried by said stock in advance of said wrench jaw, a movable clamping jaw carried by said stock and mounted to slide on said fixed clamping jaw, means to normally hold said movable clamping jaw in its inwardmost position in spaced rotations to said fixed clamping jaw, a lever pivotally mounted on said stock, and means operatively connecting said lever and said movable jaw whereby upon proper movement of said lever said movable jaw may be carried to move toward said fixed clamping jaw.

1,499,805. ELASTIC BANDAGE. HARRY B. CHATTERTON, West Somerville, Mass. Filed Aug. 29, 1921. Serial No. 496,211. 4 Claims. (Cl. 128—165.)



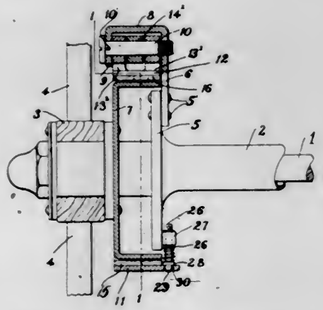
1. An elastic bandage comprising a flexible body section having spaced apart longitudinal edges and coupling members adjacent to said edges, an intermediate flexible filling section overlapped by the longitudinal edges of the body section, and adapted to cover a portion of a limb between said edges, and an elongated resilient contractile connection engaged with said coupling members and adapted to yieldingly contract the body section, said connection bearing on the outer surface of the filling section and exerting a distributed yielding inward pressure thereon, means being provided for releasing the normal tension of the resilient connection to permit the opening of the bandage.

1,499,806. POWER-DRIVEN SLEIGH. MARCEL DEMANGEON, Amisk, Alberta, Canada. Filed June 12, 1923. Serial No. 644,834. 4 Claims. (Cl. 180—4.)



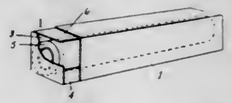
1. In a sleigh, a power device, a series of kicker arms resting freely at their rear ends on the surface on which the sleigh is traveling, eccentrics to which the forward ends of said kicker arms are connected, and means forming an operative connection between said eccentrics and the said power device, and members projected longitudinally of the said kicker arms and adapted to project below the latter during their rearward movement only, and cam elements for operating the said members.

1,499,807. AUTOMOBILE BRAKE. EDSON EUGENE DEWEY, Lee, Mass. Filed June 15, 1922. Serial No. 568,395. 3 Claims. (Cl. 188—77.)



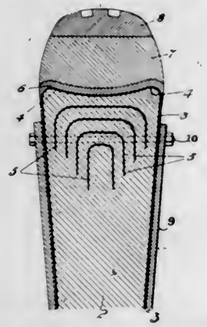
1. In a brake construction, the combination, with a pair of external band sections, means for pivotally connecting the same together, and for supporting the sections on the axle housing, and means for retaining the band sections in place to prevent lateral displacement, said means comprising a spring actuated pin on the housing engaging an opening in one of said band sections.

1,499,808. PACKAGE FOR ROLL PAPER. EDWARD H. DISTIN, Kalamazoo, Mich., assignor to Kalamazoo Paper Box Company, Kalamazoo, Mich. Filed Mar. 12, 1923. Serial No. 624,600. 8 Claims. (Cl. 206—52.)



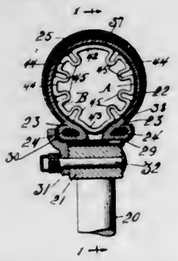
1. A package for a roll of paper comprising a box body member open at the top and a cover member telescoping within said body member with the edges of its end and one side wall resting on the bottom thereof, its other side wall being cut away permitting the paper being passed under and upwardly at the side of the same, and a plate of sheet metal disposed within the body member at the side of said cutaway wall of said cover, said plate being of such dimensions as to rest within the body member with its upper edge projecting above the top thereof providing a cutting blade, said plate being freely removable.

1,499,809. DISK WHEEL FOR MOTOR AND OTHER ROAD VEHICLES. HAROLD HILL DUKE, Rockdale, Sydney, New South Wales, Australia. Filed Dec. 6, 1923. Serial No. 679,035. 6 Claims. (Cl. 301—63.)



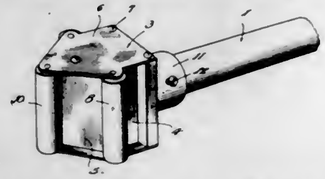
1. An improved solid disk wheel comprising a circular core composed of finely granulated cork and rubber, a plurality of reinforcing fabric bands within said core, a tread integral with said core and rubber side walls encasing said circular core.

1,499,810. NONPNEUMATIC TIRE. ANDREW EGG, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,342. 2 Claims. (Cl. 152—8.)



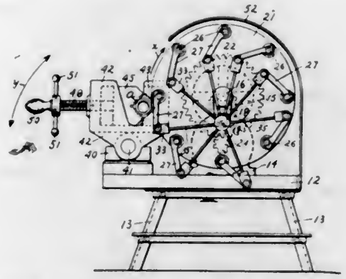
2. In a tire of the character described the combination of a shoe, a plurality of helical springs in the shoe, each winding of the springs consisting of a circumferential crown portion, a circumferential base portion, circumferential side portions and depending U shaped portions connecting the circumferential portions.

1,499,811. IMPLEMENT FOR FOLDING HOSE. JOHN R. ELDER, Fort Edward, N. Y. Filed Apr. 18, 1922. Serial No. 555,512. 4 Claims. (Cl. 81—3.)



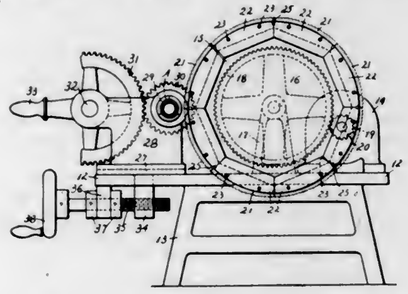
1. A hand implement for use in folding hose comprising a handle member, and a hose-engaging head carried by one end of the handle and having a triangular nose projecting from its forward side, said nose having flat sides converging toward the axis of the handle to form a bight-supporting edge at that end of the head more remote from the handle.

1,499,812. PIPE CUTTING OR SAWING MACHINE. FREDERIC W. ERICKSON, Pelham Manor, N. Y. Filed June 28, 1921. Serial No. 480,982. 12 Claims. (Cl. 29—67.)



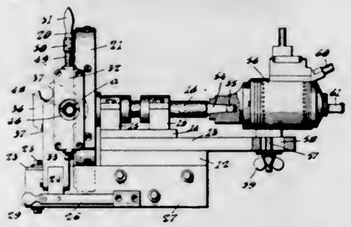
1. A metal cutting machine having a series of saw blades continuously movable in a rotary path following one another, and means for causing each blade to shift its position to present its teeth to the work at a fixed distance from the axis of rotation of the series.

1,499,813. METHOD AND MACHINE FOR SAWING METAL ARTICLES. FREDERIC W. ERICKSON, Pelham Manor, N. Y. Filed Aug. 18, 1921. Serial No. 493,305. 10 Claims. (Cl. 29—69.)



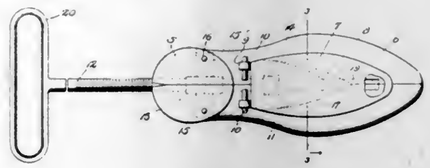
1. The method of cutting metal pipes, consisting in subjecting the pipe to a continuous sawing operation and manually rotating the pipe during said operation, the final cutting operation being effected in a direction approximating a chord of the inner surface of the pipe.

1,499,814. MACHINE FOR SAWING METAL ARTICLES. FREDERIC W. ERICKSON, Larchmont, N. Y. Filed June 23, 1922. Serial No. 570,458. 8 Claims. (Cl. 29—67.)



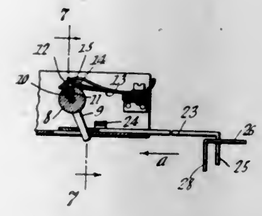
1. A sawing machine comprising a rotary circular series of straight-edge saw blades, and means for rotatively supporting a pipe extending transversely of the axis of rotation of the saw blades.

1,499,815. SHOE STRETCHER. JOHN G. FLORESTA and JOSEPH ZANGHI, Tyrone, Pa. Filed July 12, 1923. Serial No. 651,055. 2 Claims. (Cl. 12—128.3.)



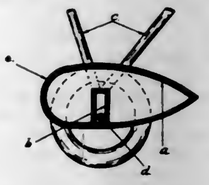
1. A shoe stretcher including a shoe form engageable with the interior of the shoe and expansible to stretch the shoe upper laterally on and outwardly from the shoe sole, a portion of the form being reversible into an inoperative position on the form to permit lateral stretching only of the shoe upper.

1,499,816. ELECTRIC TOY. EDWARD FODERARO, Scranton, Pa. Filed Mar. 18, 1924. Serial No. 700,122. 4 Claims. (Cl. 104—151.)



1. The combination with an electric locomotive and a car coupled thereto and mounted for movement relative to the locomotive, of means for directing a current to the motor of the locomotive, and means operated by the relative movement of the locomotive and car for reversing the current through the motor.

1,499,817. ARRANGEMENT AND DISPOSITION OF FUEL TANKS IN FLYING MACHINES. ANTHONY HERMAN GERARD FOKKER, 84 Rokin, Amsterdam, Netherlands. Filed Dec. 9, 1920. Serial No. 429,558. 4 Claims. (Cl. 244—31.)

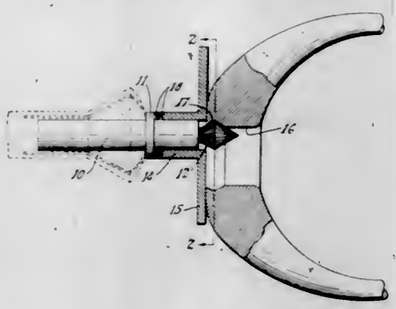


1. In a flying machine, an undercarriage axle, a fuel tank receiving the undercarriage axle and means for allowing movement of the said axle independently of the fuel tank.

1,499,818. GEM-SEAT-GROOVING TOOL. AUGUST FRANCONETTI, Washington, D. C. Filed Sept. 27, 1922. Serial No. 590,912. 4 Claims. (Cl. 90—18.)

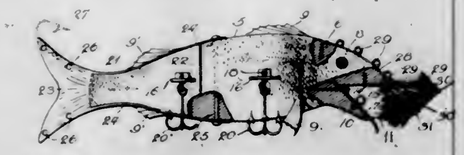
1. In a device for forming grooves in the walls of gem receiving openings of jewelry comprising a rotatable

shaft, a burr carried by the end of the shaft, and a flange carried by the shaft and adapted for engagement by it



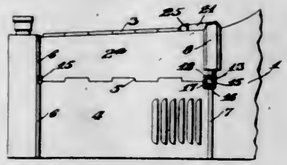
of jewelry in which the grooves are to be formed, said flange being adjustable longitudinally of the shaft.

1,499,819. ARTIFICIAL FISH BAIT. BERT G. GOBLE, Tulsa, Okla. Filed Feb. 6, 1923. Serial No. 617,408. 9 Claims. (Cl. 43—16.)



3. In an artificial bait, a floatable main body, a freely swinging tail section attached to the rear end of the body, said body having an open mouth, and a plate rigidly secured in the open mouth of the body on the upper surface of the lower jaw of said body, the plate including a projecting forward end adapted to be flexed vertically for regulating the course of the bait when retrieved.

1,499,820. HOOD ATTACHMENT FOR AUTOMOBILES. ROBERT J. GRIESEDIECK, St. Louis, Mo. Filed Nov. 21, 1919. Serial No. 339,635. 6 Claims. (Cl. 180—69.)



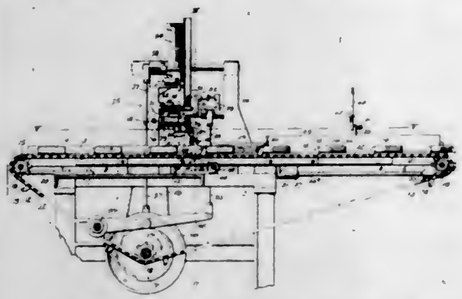
1. A weather-strip having provision at its ends for attachment to the hood of an automobile, said strip having a marginal rib engageable throughout its length in sealing contact with the hood, said strip overhanging the margin of the hood and having a bead at the margin of its overhanging portion engageable throughout its length in sealing contact with the cowl of the automobile.

1,499,821. FASTENING MEANS FOR SECURING FABRIC TO A BASE OF WOODWORK OR OTHER MATERIAL. DAVID RHYS GRIFFITHS, Langside, Glasgow, Scotland. Filed Nov. 27, 1922. Serial No. 603,425. 5 Claims. (Cl. 156—25.)

2. Fastening means of the type specified for securing fabric to a rigid base comprising, in combination, a rigid base having an open-sided slot substantially rectangular in cross section with one side wall slightly hollowed out to form a shoulder near the open side of the slot, a locking strip substantially square in cross section, and spring means located about diagonally opposite said shoulder and adapted to tilt said strip beneath said shoulder.

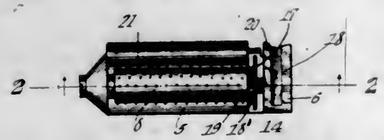


1,499,822. STAMP OR LABEL APPLYING MACHINE. GEORGE W. GWINN, Brooklyn, and JAMES W. LEARY, Hollis, N. Y., assignors to American Machine & Foundry Company, a Corporation of New Jersey. Filed Sept. 25, 1920. Serial No. 412,658. 25 Claims. (Cl. 216—52.)



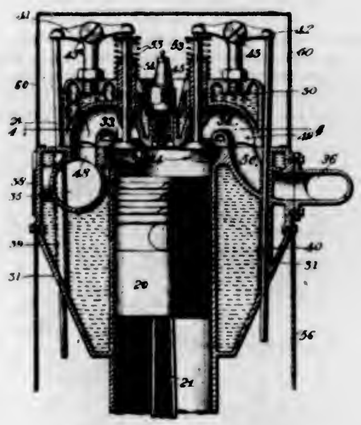
1. In a machine of the character specified, the combination of means for applying paste to one face of a stamp; means for temporarily holding the pasted stamp in an extended position upon a fixed support and out of the path of the package to which it is to be applied; package presenting means; and means for bodily transferring the pasted stamp from its temporarily supported position into the path of the package advanced by the presenting means.

1,499,823. THREAD CUTTER. FRANK D. HERRING, Cuero, Tex., assignor of one-half to John W. Herring, Cuero, Tex. Filed Feb. 6, 1920. Serial No. 356,709. 1 Claim. (Cl. 139—302.)



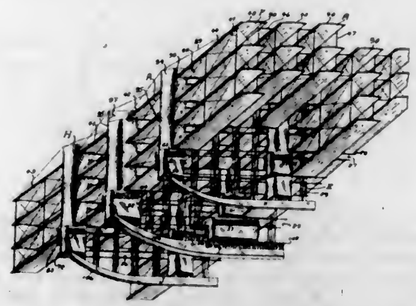
In a device of the class described, a frame, a roller rotatably mounted within the frame and having openings disposed in one end thereof, a stationary member having a cut out portion extending from one edge thereof, one of the walls of the cut out portion being beveled to provide a cutting edge, a rotary cutting member, having pins adapted to be positioned in the openings of the roller, to removably secure the rotary cutting member to the roller, said rotary cutting member having a plurality of notches adapted to pick up the threads of the selvage of cloth and carry the threads to the stationary cutting blades, and means for normally urging the stationary cutting blades into close engagement with the rotary cutting blades.

1,499,824. INTERNAL-COMBUSTION ENGINE. CLARENCE E. HULL, Santa Barbara, Calif. Filed Sept. 18, 1919. Serial No. 324,481. 4 Claims. (Cl. 123—173.)



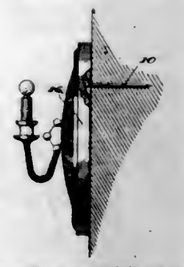
1. An internal combustion engine including a multiple cylinder body having a water jacket, a tubular intake manifold lying wholly within the water jacket and having a port communicating with the exterior of the body and a plurality of ports communicating with the top thereof, exhaust passages located within the water jacket of the body at the side thereof opposite the intake manifold, said exhaust ports communicating with the exterior of the body and also with the top thereof, and a detachable valve carrying head having intake and exhaust passages registering with the ports of the intake manifold and also with the ports of the exhaust passages in the top of the said cylinder body.

1,499,825. AERIAL TRAIN. WAYNE E. IKERMAN, Long Beach, Miss., assignor of forty one-hundredths to Bernhard Reinike and five one-hundredths to Frederick Ikerman, both of Long Beach, Miss. Filed Oct. 7, 1922. Serial No. 593,005. 26 Claims. (Cl. 244—12.)



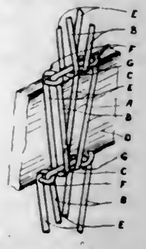
1. In an airship, a longitudinally extending frame, a plurality of vertical compression struts connected with the frame arranged in longitudinal alignment, a plurality of longitudinally spaced aerofoils connected with the frame and spaced at their points of connection with the frame defining a longitudinally extending air space, and means disposed in said air space for dividing and directing the air stream under the aerofoils.

1,499,826. NAIL. CHARLES HENRY KASSABAUM, Atchison, Kans. Filed Nov. 3, 1923. Serial No. 672,604. 1 Claim. (Cl. 40—145.1.)



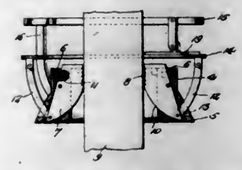
In combination with an article to be mounted having a recess, of a nail adapted to form a concealed fastening for such article, said nail having a head at one end in the form of an angularly projecting and relatively short tapering tang adapted to extend into the recess of the said article to be mounted and terminating in a sharpened extremity adapted to penetrate the wall of said recess as and for the purpose set forth.

1,499,827. LATH BLIND. WALTER GRANT KING and FARNHAM EDWARD MAYNARD, Brisbane, Queensland, Australia. Filed May 10, 1924. Serial No. 712,370. 1 Claim. (Cl. 156—16.)



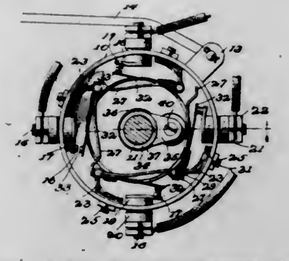
In a device of the character described, a plurality of laths and a plurality of links engaging the laths and interengaged with each other, each of said links being formed from a single strand of wire and including an intermediate portion, converging loops continuing therefrom and embracing a lath and also loosely engaged with the intermediate portion of the adjacent link and anchoring eyelets at the terminals of the wire encircling the portions of the loops adjoining the intermediate portion so as to maintain the latter slightly spaced from the top edge of the engaged lath to permit of the laths being readily rolled into a compact roll when desired.

1,499,828. PIPE CLAMP. AL. KINSEY, Longfellow, Tex., assignor of one-half to O. E. Schupbach, Sanderson, Tex. Filed Jan. 31, 1923. Serial No. 616,223. 4 Claims. (Cl. 24—249.)



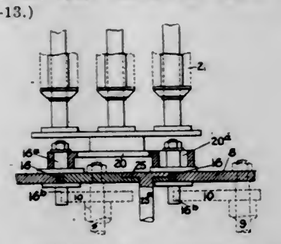
1. A pipe clamp including a frame equipped with dogs normally engaging a pipe passing through the frame, an annulus operatively connected to said dogs to release the latter when the annulus is depressed, and means carried by said frame and engageable with said annulus to depress the latter.

1,499,829. COMMUTATOR. GEORGE A. KREUTZER and KENNETH L. LONG, Lincoln, Nebr.; Natalie C. Long executrix of said Kenneth L. Long, deceased; said Kreutzer assignor to Natalie C. Long. Filed Mar. 2, 1920, Serial No. 362,662. Renewed Apr. 16, 1924. 6 Claims. (Cl. 200—27.)



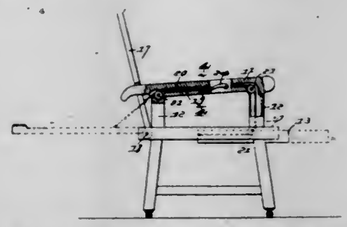
1. A device of the character described including a shell, contacts carried thereby but insulated with respect to the shell, fixed hinge plates secured to the shell, pivoted cam actuated hinge plates carried by the fixed plates, the next adjacent fixed plate providing a stop for each pivoted plate, yieldable means normally holding the pivoted plates in engagement with the fixed plates, and contacts carried by the movable plates to cooperate with the first contacts.

1,499,830. BRAIDING MACHINE. MAX KRISSIEP, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Oct. 20, 1923. Serial No. 669,648. 6 Claims. (Cl. 96—13.)



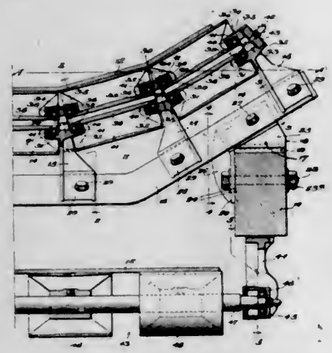
4. In a braiding machine comprising carrier drive discs, and a race-way having intersecting race-circles; a bobbin carrier base plate having two shuttle portions with drive projections therefrom spaced apart to correspond with the spacing of the drive gear horns, said plate forming a carrier supporting bridge between adjacent drive gear horns.

1,499,831. COUCH ARMCHAIR. PETER E. KURSICK, San Francisco, Calif. Filed July 9, 1923. Serial No. 650,413. 1 Claim. (Cl. 155—111.)



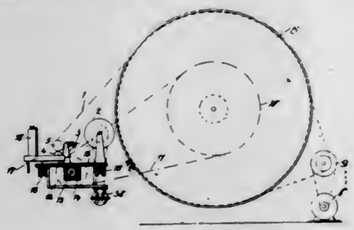
A chair comprising a seat, a leg rest slidably connected with the seat for disposition in horizontal extension thereof, a back pivotally connected with the seat, arm rests mounted on the seat, idler rolls housed within the arm rests, flexible runners connecting the leg rest and the back and housed within are arm rests and traversing the idler rolls, angularly movable cams housed within the arm rests for clamping engagement with the runners, and exteriorly exposed operating means for the cams.

1,499,832. CONVEYING APPARATUS. EUGENE E. LANDAHL, Oak Park, and CORWIN S. JONES, Maywood, Ill., assignors to The Webster Manufacturing Company, Chicago, Ill., a Corporation of Ohio. Filed Sept. 2, 1921. Serial No. 497,952. 21 Claims. (Cl. 198—192.)



1. Conveying apparatus comprising the combination with a belt, of a troughing-roll unit mounted in a plane transverse to said belt for troughing and guiding said belt, said unit comprising a substantially central horizontal roll and upwardly inclined lateral rolls and adjustable supporting and positioning means whereby said central roll may be bodily moved forwardly relative to said lateral rolls in the direction of travel of said belt to adjustably position said central roll in advance of said lateral rolls.

1,499,833. METHOD OF AND DEVICE FOR APPLYING A PROTECTIVE LAYER TO FILMS. HEINRICH LICHTE, Berlin, Germany, assignor to Dura Film Protector Co., New York, N. Y., a Corporation of New York. Filed Dec. 24, 1921. Serial No. 524,640. 9 Claims. (Cl. 91—55.)



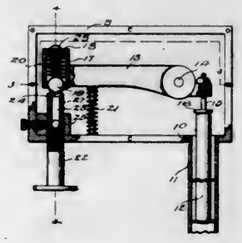
1. Apparatus for applying a protective layer to films, comprising, in combination, an applying device; a plain-surfaced rotary drum adapted to receive the film coming from said device; gearing adapted to displace said applying device laterally relatively to said drum and including a threaded spindle; and means for rotating said spindle at such a speed that the applying device is displaced during one revolution of the drum along a path which is longer than the breadth of the film, thereby to dispose the adjacent edges of the successive convolutions of the film in spaced, non-contacting relation upon said drum, substantially as described.

5. Apparatus for applying a semi-liquid protective layer to films, comprising, in combination, an applying device; a receptacle adapted to receive the semi-liquid

protective mass; a supply vessel adapted to receive supplementary mass; a pipe extending from the top of said vessel down into the said receptacle and having at least one notch at its lower end; another pipe extending from the bottom of the said vessel into the said receptacle; and means to close said latter pipe.

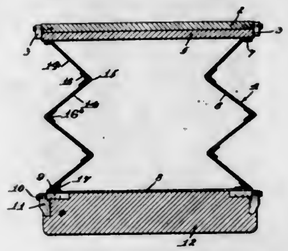
8. A method of treating continuous photographic films, comprising the steps of continuously feeding the film to a coating device to apply a transparent protective coating to the picture-bearing face of the film and solely in the space between the marginal perforations in the film; and winding the film, as coated, upon a support, with the adjacent edges of the successive windings of the film in spaced, non-contacting relation.

1,499,834. THERMOSTAT FOR TYPECASTING MACHINES. HENRY A. LUX, Brooklyn, N. Y. Filed Nov. 1, 1922. Serial No. 598,376. 1 Claim. (Cl. 236—102.)



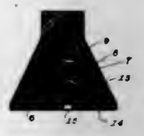
In a heat regulating device, a casing, an expansible element supported thereby, a movable member in said casing actuated by said expansible element and provided on one end thereof with a transversely arranged open ended sleeve, one end of which is contracted to form a seat, a removable plug closing the other end of said sleeve, a ball valve in said sleeve engageable with said seat, a resilient member interposed between said ball valve and plug to yieldably maintain said valve in engagement with said seat, and an adjusting device supported by said casing and cooperating with said valve and through which a combustible fluid is permitted to flow into said casing, said device forming a seat for said valve and being adjustable to vary the movement thereof to its closing position when said movable member is actuated in one direction.

1,499,835. AUTOMOBILE WHEEL. WILLIAM W. MCLAREN, Birmingham, Ala. Filed July 8, 1922. Serial No. 573,519. 1 Claim. (Cl. 152—33.)



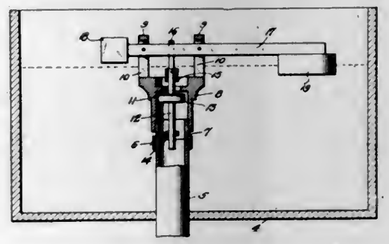
A vehicle tire comprising an outer member and flexible metallic side strips formed integrally with the outer member, the side strips being folded circumferentially to define pronounced internal and external angles in the side strips, and to form angles at the places of juncture between the side strips and the outer member, angular reinforcing strips in all of said angles and located, alternately, within and without the tire, and a base whereunto the side strips are connected, the side strips forming the sole connections between the outer member and the base.

1,499,836. RAIL JOINT. ALEXANDER METTRAS, De Beque, Colo. Filed Feb. 14, 1924. Serial No. 692,813. 2 Claims. (Cl. 238—188.)



1. A rail joint comprising a plurality of rail sections with the ends thereof in abutment; holes formed in the webs of said rail sections; a connector formed to fit against one side of said rail sections; projecting lugs secured to said connector having notches formed therein and extending through said holes; a coacting connector formed to fit the other side of said rail sections; and depressions in said coacting connector having surfaces adapted to fit into said notches to effect locking of said connectors against said rails; said notches having surfaces cut in angular relation with respect to the upper surface of the bases of said rail sections in a manner to compel tilting of said coacting connector to effect the assembly and the disconnection of the parts of said joint.

1,499,837. FLOAT VALVE. HENRY MITTEL, Sonora, Tex. Filed Feb. 9, 1923, Serial No. 618,004. Renewed May 21, 1924. 2 Claims. (Cl. 137—104.)

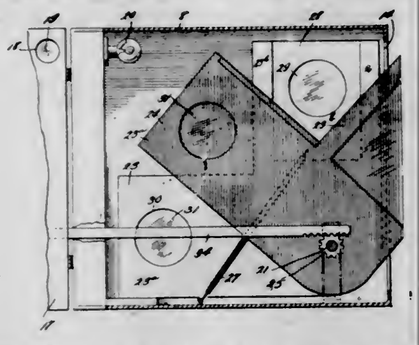


1. A float valve for liquid receptacles, in combination with a receptacle and liquid supply pipe discharging into the latter, valve means associated with said pipe to close communication through the latter, and mechanism operable by the rise and fall of liquid in the receptacle to control operation of said means, said mechanism being reversible to adapt the same for use on a supply pipe entering the receptacle from either the top or bottom of the latter.

1,499,838. CLASSIFICATION BOX. RICHARD A. MURRAY and LOGAN H. HOOPER, Muskogee, Okla. Filed Aug. 17, 1922. Serial No. 582,454. 9 Claims. (Cl. 116—30.)

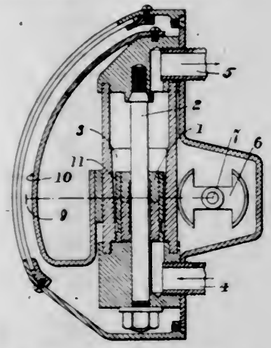
7. A signalling device comprising an illuminated casing having a slot and an opening in a wall thereof, a flag movably associated with the casing and adapted to be normally arranged inside thereof and being projectable

through the said slot, and said flag having an angularly disposed portion equipped with a colored transparent ele-



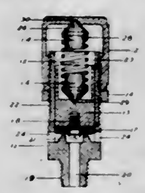
ment adapted to be brought in alignment with the opening in the casing when the flag is projected through said slot.

1,499,839. FLOW METER. VICTOR RALPH NICHOLSON, Colchester, England. Filed Oct. 6, 1923. Serial No. 666,961. 3 Claims. (Cl. 73—167.)



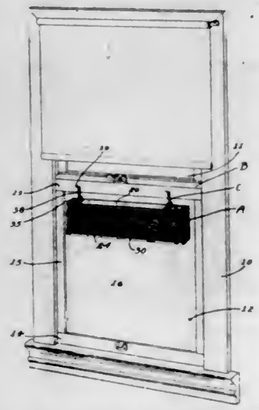
1. In an instrument for indicating the rate of flow of liquid, a cylinder, a piston operative in the cylinder under the pressure of liquid and comprising a permanent magnet, and an indicator influenced in the movement of said piston magnet, the piston passage in the cylinder being of variable cross sectional area between the limits of movement of the piston magnet.

1,499,840. SAFETY OR RELIEF VALVE. GEORGE A. PARKER, Utica, N. Y., assignor to Brunner Manufacturing Company, Utica, N. Y., a Corporation. Filed May 27, 1922. Serial No. 564,190. 2 Claims. (Cl. 137—53.)



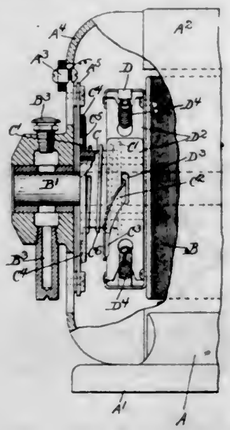
1. A safety or relief valve comprising a body having a long externally-threaded hollow cylindrical portion forming a smooth parallel sided valve chamber, said body having an inlet port with a raised valve seat thereabout and having outlet ports through the chamber near the valve seat, a relatively long plunger sliding in said chamber and adapted to fit upon said seat or to slide therefrom, a cap internally screw-threaded to fit the chambered part of the valve body, a tension spring interposed between said cap and said plunger and adjusted to desired tension by rotation of said cap and spring centering blocks interposed between the ends of the spring and the cap and plunger.

1,499,841. INSECT TRAP. WILLIAM A. PEPPER, Tulsa, Okla. Filed Mar. 11, 1922. Serial No. 542,957. 5 Claims. (Cl. 43—119.)



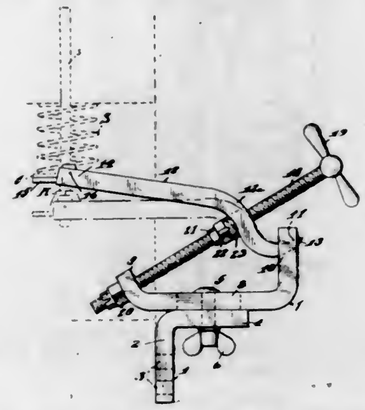
3. An insect trap consisting of an elongated body having foraminous front and rear walls and having a lower wall provided with an entrance slot, transversely extending balls carried by the upper wall of the body, and loops slidably carried by the balls and adapted to engage supporting members and slidably mount the trap for movement into an operative position.

1,499,842. MOTOR STARTING SWITCH. LAWRENCE M. PERSONS, Quincy, Ill., assignor, by mesne assignments, to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a Corporation of Michigan. Filed Oct. 7, 1919. Serial No. 328,955. 20 Claims. (Cl. 200—80.)



1. In a starting switch for motors, a rotor, a plurality of starting circuit contacts, means for connecting said contacts when the motor is at rest, comprising an axially movable sleeve concentric with the rotor, a ring rotatably and axially movable thereon, and adapted to connect said contacts, yielding means mounted upon said sleeve adapted to hold said ring at the end of the sleeve adjacent said contacts, and centrifugal means rotated by the rotor for withdrawing said sleeve and ring from said contacts.

1,499,843. VALVE-SPRING LIFTER. HERBERT A. R. PETERSON, Mankato, Minn. Filed Sept. 25, 1922. Serial No. 590,484. 2 Claims. (Cl. 29—86.3.)

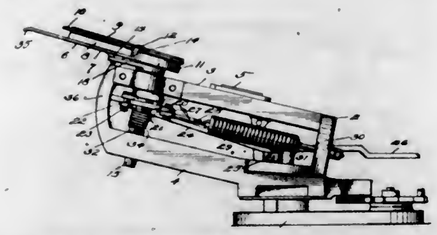


1. A valve spring lifter of the class described comprising a body having an attaching bracket adjustably connected therewith and provided with means for securing it to a motor, a lifter arm fulcrumed at one end on said body, an operating screw passing obliquely through said arm and said body and connected to raise or lower the arm, and a spring engaging saddle pivotally mounted on said arm.

1,499,844. PROCESS FOR PRODUCING COPYING FOILS. EUGEN SEYFFERTH, Berlin, Germany. Filed Nov. 14, 1921. Serial No. 515,117. 1 Claim. (Cl. 41—46.)

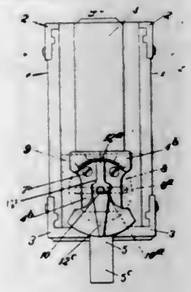
An improved process for the production of copying foils of cellon, comprising, treating the surface of plates of transparent cellon (acetyl-cellulose) with a mixture of glacial acetic acid and acetone, allowing the plates to dry, whereby to effect equal reception of printing-ink by the thus treated cellon, mechanically printing on the thus prepared surface, and then applying illustrations on thin foils of cellon, for their photomechanical transfer purposes.

1,499,845. TARGET TRAP. WILLIAM I. SPANGLER, Tarlton, Ohio. Filed Aug. 7, 1922. Serial No. 579,991. 3 Claims. (Cl. 124—6.)



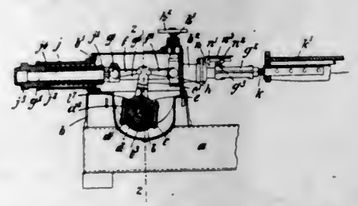
1. In a target trap, a base, a frame rotatably mounted thereon, a shaft pivotally connected with the frame, a carrier connected with the shaft, a plate pivotally mounted on the shaft, a spring yieldably connecting the shaft and plate, said plate being adapted to have one end engage the frame during the forward swinging movement of the carrier to permit the spring to yieldably limit the movement thereof when said plate engages the frame, and means for rotating the shaft to swing the carrier forwardly.

1,499,846. AUTOMATIC MACHINE GUN. GEORGE H. TANSLEY and CHRISTIAN PFEIFFER, Hartford, Conn., assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 24, 1923. Serial No. 664,465. 16 Claims. (Cl. 89—3.)



1. A machine gun comprising a breech casing having a rear plate, a rotatably adjustable member resting against said rear plate, a shaft for adjusting said member mounted in said rear plate and means for indicating the amount of the adjustment associated with said shaft.

1,499,847. ORE-CONCENTRATING MACHINE. CHARLES JOHN WILLIAMS, Croydon, England. Filed Jan. 22, 1921. Serial No. 439,106. 1 Claim. (Cl. 80—88.)

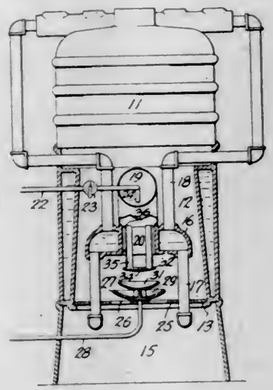


In ore concentrating and screening mechanism the combination with a reciprocatory table and a thrust bar connected to and arranged in direct line with said table, of a driving shaft arranged below the thrust-bar, an eccentric sheave provided with an interior slot about said shaft, a circumferentially adjustable sleeve on said shaft and within said slot, said sleeve and sheave being provided with co-operating projections arranged so that such adjustment of said sleeve will correspondingly vary the throw of the eccentric sheave, a pitman mounted on said eccentric sheave, a yoke fixed on said thrust-bar, toggles connecting said pitman with said yoke, a stroke-adjusting block, and toggles connecting said pitman with said stroke-adjusting block, and a spring acting on said thrust-bar to return said table.

1,499,848. OIL BURNER. JOSEPH A. BELAIR and RUSSELL M. SCOTT, Montreal, Quebec, Canada; said Scott assignor to JOHN DARCY, Montreal, Canada. Filed Oct. 18, 1922. Serial No. 595,332. 10 Claims. (Cl. 158—91.)

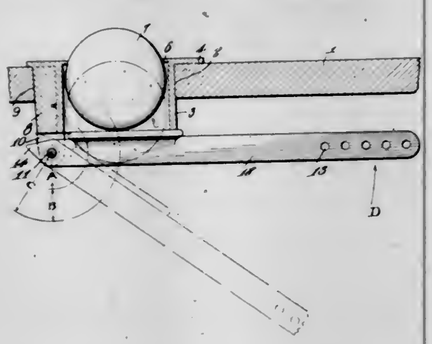
9. In a device of the class described in combination with a furnace having a doorway, a plate substantially closing the bottom of the furnace and having a central air inlet, a combustion cup disposed above the air inlet,

a drip cup disposed between the combustion cup and air inlet and serving to direct air from the inlet laterally of the combustion cup, a hollow annular flame deflecting means above the cup, a fuel conduit terminating above the cup, a deflecting plate interposed between the end of the fuel conduit and the cup having an opening for pas-



sage of unconfined fuel, which opening is too small for the passage of flame, said plate serving also to exclude flame from the central opening of the annular deflecting means, an air conduit leading from the furnace doorway to the central opening of said annulus, and means for circulating water through said hollow annular deflecting means.

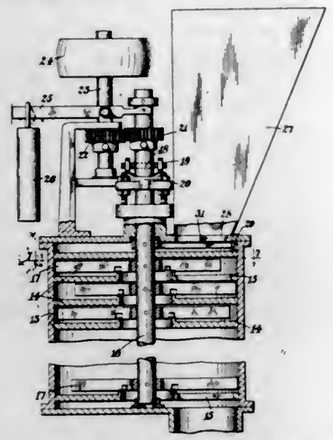
1,499,849. ACCELERATOR MECHANISM. EDGAR J. BLOOM, Tiffin, Ohio. Filed Nov. 2, 1923. Serial No. 672,432. 20 Claims. (Cl. 74—81.)



20. The combination with an accelerator lever, of a push member supported by the lever and means for guiding said member to impart a varying leverage to the lever during the actuation of the member.

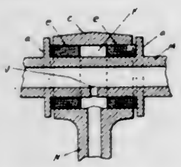
1,499,850. RETORT AND FURNACE. LEONARD HUGH BONNARD, London, England. Filed Dec. 1, 1922. Serial No. 604,413. 8 Claims. (Cl. 263—26.)

1. In a mechanical furnace the combination of a series of superposed horizontal trays having transfer openings for passage of mobile material from tray to tray, blades overlying the trays, means for moving the blades over the surfaces of the trays to feed forward the material and means for raising and lowering the blades in relation to the trays so that they act alternately while moving



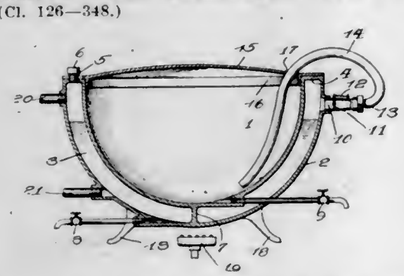
in the direction to feed forward the material to spread the latter over the tray surfaces and to transfer it toward and through the transfer openings.

1,499,851. SWIVEL JOINT FOR PIPES. JOHN WILSON BROWN, Jr., Philadelphia, Pa. Filed June 24, 1921. Serial No. 479,985. 4 Claims. (Cl. 285—107.)



1. The combination of a pipe, a tubular chamber connected to said pipe, bushings adapted to slide in said tubular chamber, a second pipe adapted to rotate in said bushings, flanges on said second pipe against which the ends of said bushings are forced by the pressure of the fluid in the tubular chamber and an opening through the wall of the second pipe.

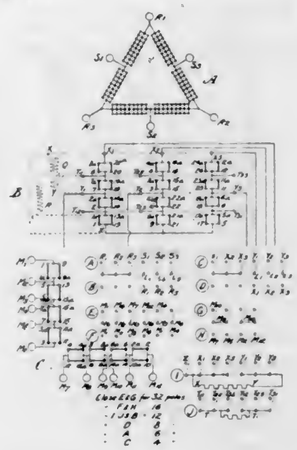
1,499,852. APPARATUS FOR FOOD PREPARATION. PETER V. CERINI, Monroe, Wash. Filed Dec. 1, 1922. Serial No. 604,446. Renewed Mar. 22, 1924. 1 Claim. (Cl. 126—348.)



A cooker, including a double boiler, an outlet from the space between the walls of the boiler, a valve controlling the outlet adapted to open under predetermined pressure, a removable cover for the inner boiler having an opening

formed therein near one side, and a flexible hose secured to the outlet and extending through the opening in the cover into the inner boiler, whereby the valve controls the steam passing into the inner boiler, and the cover serves to remove the hose from the inner boiler therewith.

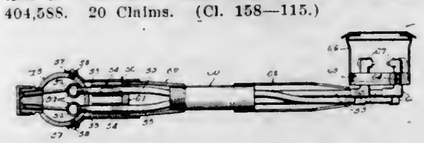
1,499,853. MULTISPEED DYNAMO-ELECTRIC MACHINE. FREDERICK CREEDY, Yorkshire, England. Filed Feb. 17, 1920. Serial No. 359,311. 21 Claims. (Cl. 172—274.)



1. An alternating current dynamo electric machine of variable pole number comprising a stator and rotor, a winding on one member to be connected to a polyphase suppply to produce a field of a particular pole number and adapted to act as a secondary in a field of another pole number, a winding on the other member to be connected to a polyphase supply to produce a field of that other pole number and adapted to act as a secondary in the field produced by the winding on the first mentioned member.

4. An alternating current dynamo electric machine of variable pole number comprising a stator and rotor, a winding on one of said members to be connected to a polyphase supply to produce a field of a particular pole number and adapted to act as a secondary in a plurality of fields of different pole numbers, a winding on the other member to be connected to a polyphase supply to produce a plurality of fields of said different pole numbers and adapted to act as a secondary in the field produced by the winding on the first mentioned member.

1,499,854. IGNITION DEVICE FOR GAS BURNERS. EMIL L. CLAUS, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 19, 1920. Serial No. 404,588. 20 Claims. (Cl. 158—115.)



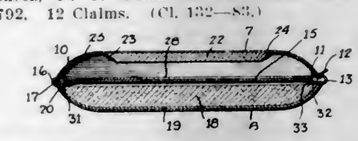
2. An igniter device comprising the combination with a plurality of burners and a main supply pipe therefor, of a pair of torch supply pipes extending along the main supply pipe, a plurality of valves having their intake nipples secured in the main supply pipe between the torch-supply pipes and engaging said torch-supply pipes, connections between said valves and the burners, main supply ports in said valves communicating with the main supply pipe, torch-supply ports in said valves each communicating with one of the torch-supply pipes, a torch-head provided with a plurality of jets, and connections between the torch-supply pipes and corresponding jets of the torch-head.

1,499,855. VANITY CASE. CHARLES NEWTON CORYELL, Mamaroneck, N. Y. Filed Aug. 8, 1923. Serial No. 656,392. 13 Claims. (Cl. 132—83.)



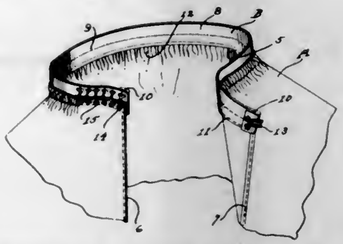
1. A vanity case having hinged shallow dish shaped base and cover members meeting along their rims in a thin edge formed by an inturned curled bead defining the periphery of one of said members and a peripheral spring flange defining the rim of the other member and adapted to seat within the curled bead, whereby there is provided a flat close fitting case tapered off to thin edges and a compact held within and substantially filling the beaded member, said compact having a substantially flat exposed face extending to the rim of the member and a convex back conforming to the dish shape of said member, the flange of the other member substantially overlying the edge portion of said compact.

1,499,856. VANITY CASE. CHARLES N. CORYELL, Mamaroneck, N. Y. Filed Dec. 20, 1923. Serial No. 681,792. 12 Claims. (Cl. 132—83.)



8. In a vanity case, cooperating case sections, one having a pair of hinge buckles connected in spaced relation by an integral extension and the other having a bead receiving said hinge knuckles, a pintle wire engaged within the bead and extending across the recess through said connected hinge knuckles and an intermediate section having a knuckle engaged on the pintle wire in the space between the connected hinge knuckles, said integral extension bridging across the knuckle of the intermediate section and holding the spaced hinge knuckles properly positioned at opposite sides of the same.

1,499,857. BARBER'S HAIRCLOTH. WILLIAM J. DAVID, Farwell, Nebr. Filed Feb. 11, 1922. Serial No. 535,877. 1 Claim. (Cl. 2—50.)



A barber's hair cloth comprising a flexible body open at the back and having an upper edge forming a neck encircling portion, a neck band of elastic material extending along the upper edge portion of the body in over-

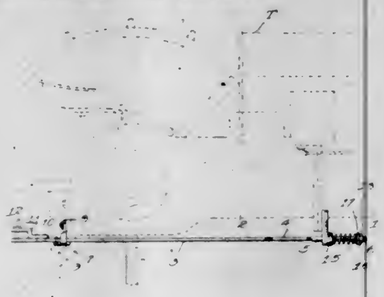
lapping relation thereto and stitched to said body, said band having its intermediate portion stretched before being stitched to the body and its end portions stitched to the body while unstretched to cause even gathering of the body between the unstretched end portions of said band, a plurality of fastener elements secured in spaced relation longitudinally of one of the unstretched end portions of the band and each being in the form of an eye member disposed transvesely of the neck band and having its upper end secured to the neck band and its lower end secured to the upper edge portion of the body, and a co-operating fastener hook carried by the other unstretched end portion of the band for engagement with a selected one of the eye members when the garment is in place.

1,499,858. FISHHOOK HOLDER. WILLIAM R. DAVIS, Wallace, Idaho. Filed Jan. 27, 1922. Serial No. 532,191. 8 Claims. (Cl. 43—32.)



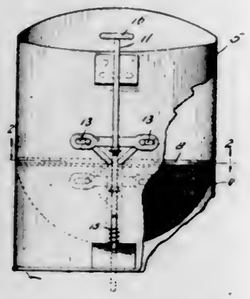
1. A fishing hook holder comprising a frame constructed of resilient wire and including a curved rod and arms at the ends of the rod arranged to overlie the rod, said frame having attaching means comprising penetrating prongs integral with and depending from said arms and provided with angularly extended pointed ends and a rack for the fishing hooks, fishing flies or the like carried by the frame and comprising a coil of resilient wire mounted on the frame, the curved rod of the frame extending through the opening of the coil and coacting with the convolutions of the coil for retaining the fishing hooks, fishing flies or the like in position, the terminals of the coil being extended laterally and provided with eyes embracing the arms of the frame.

1,499,859. DRAFT CONNECTION. CLARENCE O. DREMS, San Antonio, Tex. Filed Nov. 18, 1922. Serial No. 601,843. 4 Claims. (Cl. 280—33.9.)



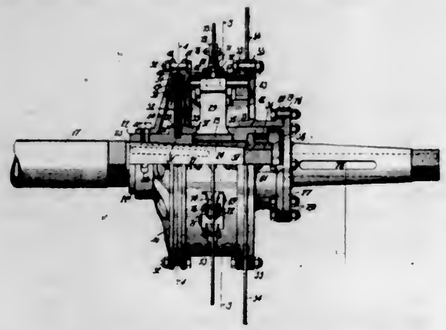
1. A draft connection for a tractor, comprising a longitudinally disposed draft bar positioned beneath and in proximity to the transmission and motor crank casings of the tractor, a coupling plate adapted to be connected to a portion of the crank case, cupped extensions formed integral with one side of said coupling plate having concentrically located openings in their respective bottom portions, the inner end of said draft bar being bifurcated and having the extremities thereof formed cylindrical and slidably engaged through the openings in the bottoms of the cupped extensions, spring means received in said cupped extensions and receiving the outer portions of the cylindrical extremities of the bifurcated inner end of the draft bar therein having connection with the same at their outer ends.

1,499,860. FLOUR SIFTER. ARTHUR R. DE LONG, Peoria, Ill., assignor to Edward H. Brink, Cincinnati, Ohio. Filed June 14, 1923. Serial No. 645,229. 2 Claims. (Cl. 83—60.)



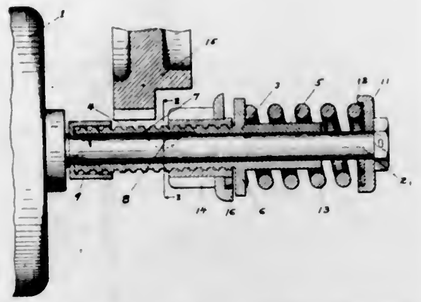
1. The combination with a flour sifter having a cylindrical body, a foraminous bottom therein, and a handle on the outside of the body, of a pair of oppositely movable agitator bars mounted for rocking movement in the body for co-operation with the bottom, one end of each bar extending through the body at the handle portion and formed beyond said body with off-set end portions forming crank arms, an operating bar slidable in the handle on the body having a transversely extending portion formed with slots to receive the off-set ends of the agitator bars for relative sliding movement therein, and resilient means for moving the operating bar in one direction, whereby said operating bar may be moved manually in the opposite direction for operating said agitator bars in relative opposite directions to co-operate with said bottom.

1,499,861. MEASURING INSTRUMENT. WILLIAM N. EATON, Washington, D. C. Filed Oct. 29, 1920. Serial No. 420,529. 23 Claims. (Cl. 265—4.)



1. In a transmitting dynamometer, in combination, a member capable of a plurality of movements, means for indicating said movements, said means including movable discs rotatable with said dynamometer and capable of longitudinal displacement and restraining members associated with said last named parts for transmitting the torque and thrust of said plurality of movements, each of said movements being an independent function of the dynamometer.

1,499,862. DRIVING MECHANISM. WILLIAM J. EICHENBERG, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed July 22, 1918. Serial No. 246,135. 4 Claims. (Cl. 74—7.)

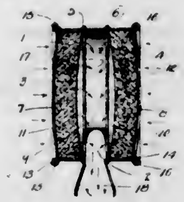


1. A starting mechanism for internal combustion engines, comprising in combination, a gear operatively connected to an engine; a starter shaft; a sleeve mounted on said shaft so as to have axial movement only relative to the shaft, said sleeve having a threaded portion and a smooth portion, and an integral annular flange between the threaded and smooth portions; a washer on the shaft; a spring inserted on said shaft intermediate the washer and said flange; and a pinion having threaded engagement with the threaded portion of the sleeve and adapted to make automatic engagement and disengagement with said gear, said smooth sleeve portion being adapted to form a position driving connection to the starter shaft.

1,499,863. SEPARATOR FOR STORAGE BATTERIES. FREDERICK W. FRAHM, Los Angeles, Calif. Filed Dec. 1, 1922. Serial No. 604,426. 5 Claims. (Cl. 204—29.)

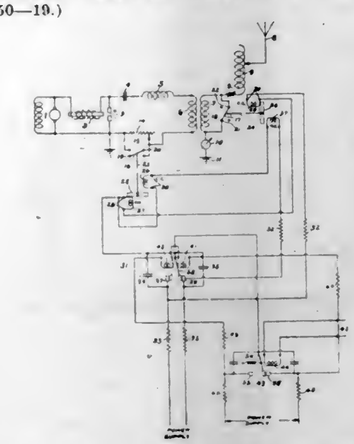
1. A separator for storage batteries comprising rubber, asbestos and sawdust.

1,499,864. AIR CLEANER. JOHN A. GORDON, Kansas City, Mo. Filed Dec. 30, 1922. Serial No. 610,072. 2 Claims. (Cl. 183—44.)



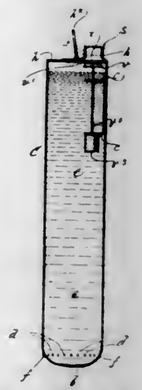
1. An air cleaner for hydrocarbon engines comprising a casing consisting of a band having open ends, spaced concavo-convex, end walls in the band to complete the casing, the convex portions of the end walls being disposed outwardly, spaced open partitions in the casing between the end walls, the partitions and the end walls providing filter bed spaces of varying cross section, the greatest cross section being in the center, the partitions being spaced apart to provide a central clean air chamber discharging through an outlet through the wall of the band and vibrating filter beds in the spaces between the partitions and the end walls so that air drawn through the end walls into the central chamber will pass through the filter beds; the filter beds, consisting of flexible material of concavo-convex form, the convex sides of the filter beds being toward the concave faces of the end walls, so that the convex sides of the filter beds normally lie against the concave faces of the end walls.

1,499,865. HIGH-SPEED SIGNALING SYSTEM. HENRY E. HALLBORG, Washington, D. C. Filed Sept. 1, 1923. Serial No. 660,637. 10 Claims. (Cl. 250—19.)



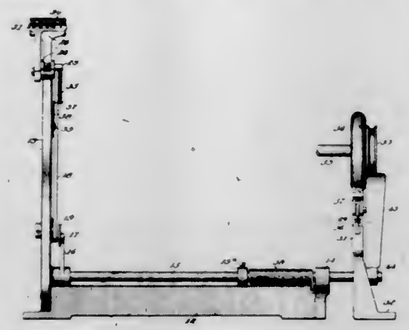
1. A high speed signaling system, comprising a plurality of separate sets of keys, an armature for actuating each of said keys, a plurality of opening coils and a plurality of closing coils arranged to actuate each of said armatures, a circuit including all of said coils in series, a resistance connected in said circuit, and means for energizing said coils, the energy being supplied to said coils by way of said resistance.

1,499,866. FIRE EXTINGUISHER. GEORGE E. MCDONALD and THOMAS E. TRAYNOR, Jersey City, N. J. Filed Nov. 28, 1921, Serial No. 518,215. Renewed Mar. 21, 1924. 1 Claim. (Cl. 169—26.)



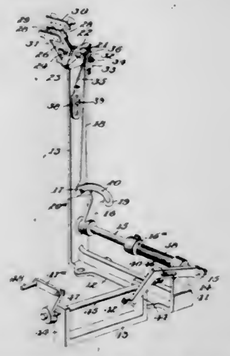
A fire extinguishing device of the character designated, comprising a liquid container formed with discharge apertures in its lower extremity, fusible sealing material normally closing said discharge apertures, an inlet and vent aperture in the upper portion of said container, a filling neck coincident with said inlet and vent aperture, a closure for said filling neck, and a float valve arranged to close said inlet and vent aperture by means of hydrostatic pressure exerted by the liquid contents of the container and free to gravitate away from said vent when said fusible material melts to balance atmospheric pressure both above and below the column of liquid in said container, and a guide for the stem of said valve arranged to limit the downward movement thereof, substantially in the manner and for the purpose described.

1,499,867. STOP-MOTION DEVICE. WILLIAM S. MILLS and HECTOR E. BISAILLON, Bridgeport, Conn. Filed June 20, 1922. Serial No. 569,646. 4 Claims. (Cl. 112—219.)



1. In a stop-motion device, the combination with a power shaft and a machine to be driven from said shaft, of a spring-actuated rock-shaft having an arm provided with a curved slot, a latch-lever having a pin entering said slot, the walls of said curved slot, in co-operation with said pin, positively moving and controlling said latch lever, holding means engaging said latch lever, and tripping means comprising a tripping arm operable to release said holding means from said latch lever; whereby, when said latch-lever is released the stored-up power in the spring which actuates said rock-shaft may be utilized to stop the machine driven from said power shaft.

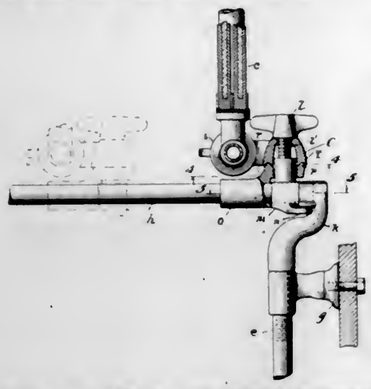
1,499,868. STOP-MOTION DEVICE. WILLIAM S. MILLS and HECTOR E. BISAILLON, Bridgeport, Conn. Filed July 21, 1922. Serial No. 576,484. 3 Claims. (Cl. 112—219.)



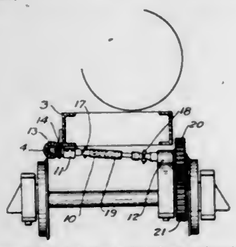
1. The combination with the driving shaft of a thread-using machine, of a stop-motion device for said shaft, and tripping means for controlling said stop-motion device to stop the machine when a thread or needle breaks, as also when a knot or lump occurs in the thread, said tripping means comprising a slotted tripping arm and a member controlled by tension on the thread and operatively connected with said tripping arm.

1,499,869. WINDSHIELD FOR AUTOMOBILES. ALONSON D. PERKINS, New York, N. Y. Filed Oct. 8, 1921. Serial No. 506,240. 1 Claim. (Cl. 296—85.)

In a wind shield for automobiles and other vehicles a combination clutch adapted to slide on a suitable rod and to control the adjustment of said wind shield in different positions and which consists of a slide-piece forked at its engaging end, and having a pin rising therefrom, a lower clutch member removably mounted on said slide piece,—and an upper clutch-member revolubly hung on said pin and adapted to engage said lower member as occasion requires.

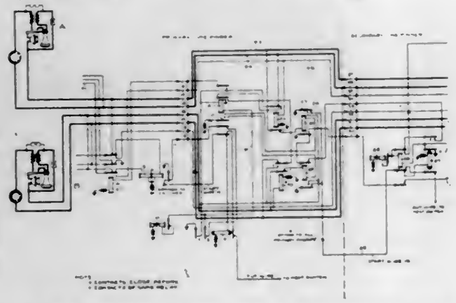


1,499,870. DRIVING MECHANISM FOR GEARED LOCOMOTIVES. SAMUEL PICKERING, Bellevue, Wash. Filed Jan. 18, 1923. Serial No. 613,397. 5 Claims. (Cl. 105—99.)



1. In a locomotive having driving wheels journaled in swinging trucks; driving means for said wheels comprising a gear mounted on the axle meshing with another gear above it and a flexible connection between the upper gear and a pair of bevel gears, one of which is on the main shaft which is mounted on the main frame.

1,499,871. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 24, 1921. Serial No. 472,088. 10 Claims. (Cl. 179—18.)

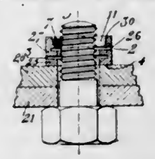


1. In a telephone system, pairs of telephone lines, a plurality of non-numerical switches, a pair of trunks for each of said switches, means for allotting non-numerical switches for use, means for simultaneously extending the trunks of a non-numerical switch to a pair of lines.

1,499,872. TREATMENT OF COAL. FREDERICK GLYN PRICE, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Filed Apr. 27, 1922. Serial No. 557,018. 9 Claims. (Cl. 83—85.)

1. A process for obtaining good coking coal from heterogeneous coal containing it, which consists in agitating a pulp of the suitably ground coal to effect froth-flotation of good coking ingredients thereof in the presence of a protective colloid which inhibits the flotation of other normally flotable coal, and separating the froth.

1,499,873. LOCK NUT. LÉOPOLD RAVIER, Paris, France. Original application filed Dec. 15, 1920, Serial No. 430,813. Divided and this application filed Oct. 6, 1921. Serial No. 505,897. 4 Claims. (Cl. 151—21.)



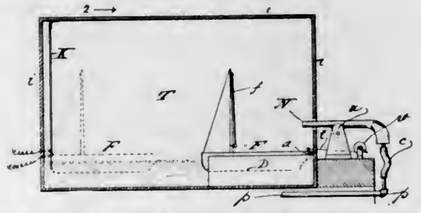
1. In a lock-nut device, the combination with the screw-bolt and the parts to be held together thereby, of a bored ring loosely placed on the stem of the said screw-bolt and abutting against the said parts to be held together thereby, resilient tongues provided in the said ring by transverse saw cuts therein, so as to flex simultaneously in approaching each other thus acting as a spring on coming into engagement with one of the said parts to be held together, and an extensible conical ring adapted to be placed on the stem of the said screw-bolt and to engage a conical mortise provided in the said resilient ring, the latter constantly forcing the said conical ring into engagement with the said screw-bolt.

1,499,874. PAPER-HANGER'S STRAIGHTEDGE. JOHN REINHART, Chicago, Ill. Filed Feb. 7, 1923. Serial No. 617,441. 3 Claims. (Cl. 20—89.)



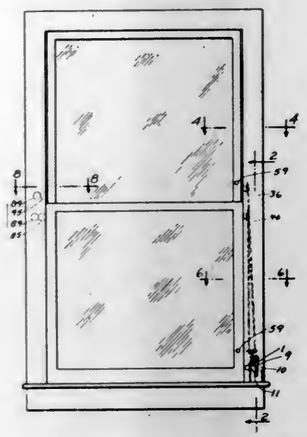
1. A straight edge comprising a long narrow central three-ply wooden panel in which the grain in one ply extends transverse to the grain in the other two plies, the middle ply being narrower so as to produce a groove in each long edge of the panel, and facing strips extending along said edges of the said panel and having tongues fitting into said grooves.

1,499,875. RACE-GAME APPARATUS. JOSEPH ROSENHEIM, Coney Island, N. Y. Filed Oct. 15, 1923. Serial No. 668,477. 9 Claims. (Cl. 46—56.)



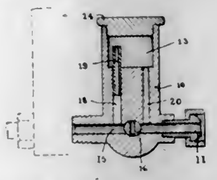
1. Race game apparatus of the character designated, comprising a plurality of individual race-way water tanks, each tank containing a dirigible float, each tank being formed with a fixed start-location at one end and a signal device at the other, and with means adapted to be controlled by a player for directing air under pressure against said dirigible float, substantially in the manner and for the purpose set forth.

1,499,876. WINDOW-SASH OPENER. WILLIAM F. ROTERMUND, Seattle, Wash. Filed July 5, 1921. Serial No. 482,429. 2 Claims. (Cl. 268—4.)



1. A device of the class described comprising a pair of gears mounted in the lower side of a window frame; a smaller gear meshing with one of the former gears and mounted on a shaft projecting through an opening in the frame; a handle on the outer end of the shaft; other smaller gears on substantially vertical shafts meshing with the former pair of gears; means for shifting the latter smaller gears out of engagement with the larger gears; worm gears at the upper ends of the vertical spindles; smaller gears mounted in a frame which mesh with the worm gears and also with racks on the side of the window sash; other gears meshing with a rack on the opposite side of the window; springs on the gears which wind up as the sash moves downward; a smaller gear also meshing in the rack; and levers for mounting the smaller gear arranged in such a manner that they will lock the gears operated by the spring when the sash is open; said window being provided with a suitable metal frame, and said sash having metal edges in which the racks may be placed, one of which edges is provided with notches which may fit over projections on a sliding section of the frame to form a hinge.

1,499,877. GASOLINE RESERVE SUPPLY. JOSEPH L. SCHMIDLING, Milwaukee, Wis. Filed July 14, 1922. Serial No. 574,976. 3 Claims. (Cl. 158—46.5.)



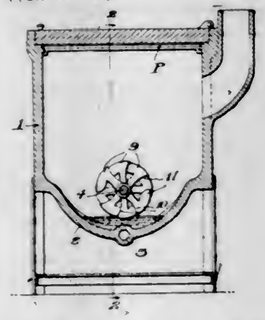
1. The combination with an automobile gasoline supply tank and pipe of a reserve supply device comprising a casing, said casing being formed with a recess adjacent its upper end and above the bottom of said supply tank, said casing being formed with a conduit adjacent its lower end and in alignment with said gasoline and supply tank, a valve in said passageway, said casing being formed with a pair of passageways arranged on either side of said valve and communicating with said first mentioned passageway and said recess, whereby when said valve is closed the gasoline will be caused to travel through said recess.

1,499,878. COMBINING TUBE FOR EJECTORS. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1920. Serial No. 375,550. 10 Claims. (Cl. 162—1.)



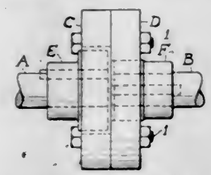
1. An ejector combining tube including a movable wall member, said member being so designed and secured to the combining tube that one end thereof may move outwardly only in a path substantially normal to the axis of the tube and that the other end thereof may freely swing outwardly.

1,499,879. ETCHING APPARATUS. CHARLES O. SCHMITT and WALTER F. FEHLBERG, Sioux Falls, S. Dak. Filed May 26, 1923. Serial No. 641,783. 4 Claims. ((Cl. 41—9.)



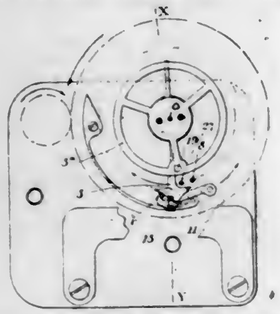
1. In an etching apparatus, a tank having a concave bottom, a shaft extending lengthwise of the tank, and a series of dippers arranged in pairs and carried by the shaft, each pair of dippers having a hub and spokes connecting the dippers to the hub, each dipper having a flared mouth, a tapered closed rear end and a curved peripheral wall formed with a series of outlets disposed adjacent to the apex of the tapered rear end, the distance from the center of the hub to the front of the mouth being greater than the distance from the center of the hub to the apex of the tapered rear end.

1,499,880. FLEXIBLE COUPLING. ROBERT W. SCHUETTE, Munhall Borough, Pa. Filed Aug. 12, 1922. Serial No. 581,393. 6 Claims. (Cl. 64—91.)



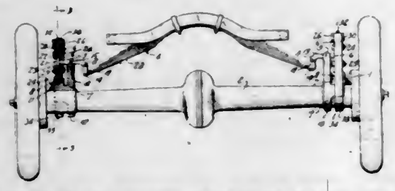
1. In combination with a pair of shaft ends each provided with a pair of parallel flat bearing surfaces, a pair of loose flanges each provided with a diametrically disposed opening having a pair of parallel flat bearing surfaces, one of said flanges being associated with each shaft end and the bearing surfaces of the shaft end mating in flat surface contact with the bearing surfaces of the flange, and said flanges being connected together with their bearing surfaces disposed at right angles to each other.

1,499,881. APPARATUS FOR MEASURING SPEED. AUGUSTIN SEGUIN, Paris, France. Filed May 31, 1921. Serial No. 473,822. 11 Claims. (Cl. 264—21.)



1. An apparatus for the measurement of speed, comprising in combination: a driving member operable at a speed proportional to the speed to be measured, an antagonistic movable member frictionally mounted on its axle, a striker loosely mounted on said axle, means whereby said striker may drive said antagonistic member and reciprocally, means for rotating said antagonistic member and said striker in the opposite direction to that of the speed to be measured, indicating means adapted to be operated by said driving member and by said striker respectively, means for rotating said striker and said antagonistic member in the direction of the speed to be measured, means for disengaging said striker from the driving member, means adapted to couple said driving member with the indicating means, means including said striker for disengaging the indicating means from the driving member.

1,499,882. SHOCK ABSORBER FOR AUTOMOBILES. SIDNEY B. SEGURA, Houston, Tex., assignor to Crown Shock Absorber Company, Houston, Tex., a Corporation of Texas. Continuation of application Serial No. 546,764, filed Mar. 25, 1922. This application filed Nov. 22, 1922. Serial No. 602,574. 5 Claims. (Cl. 267—17.)

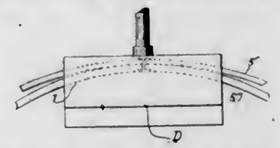


1. In a shock absorber, an axle, a hanger mounted thereon, superimposed cushions supported on said hanger, a vehicle body supporting spring, a member mounted upon the hanger for oscillatory movements having one end connected to the vehicle body supporting spring and its other end operatively engaging with and between said cushions, and means straddling the cushions and connected to the axle, thereby holding the cushions in place and slightly under compression, said means comprising a U-shaped saddle, the arms of which engage on opposite sides of the cushions and have their lower extremities extending beyond the lower face of the axle, to receive said securing means.

1,499,883. RIVETING DEVICE FOR AUTOMOBILE BRAKE BANDS. HOWARD SILVERNAIL, Binghamton, N. Y. Filed May 19, 1923. Serial No. 640,137. 1 Claim. (Cl. 218—19.)

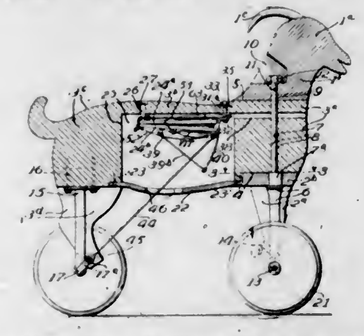
A device for riveting automobile brake bands comprising a riveting tool having a body portion, provided with a setting die, and a yielding band surrounding said die

and normally extending beyond the same to form a recess in which the head of a rivet is adapted to be inserted, and an anvil having a segmental band receiving and



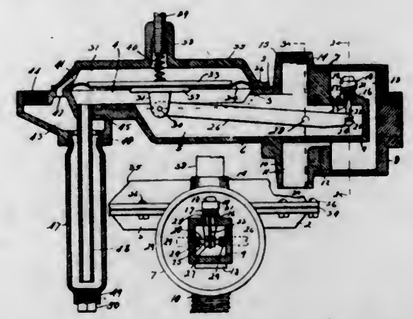
supporting surface, upwardly projecting guide ribs on each side of said band receiving and supporting surface, and a shank projecting from the under side of said anvil adapted to be held in the jaws of a vise.

1,499,884. FIGURE VELOCIPEDE. MAX SINGER, Newark, N. J. Filed July 27, 1923. Serial No. 654,191. 14 Claims. (Cl. 208—42.)



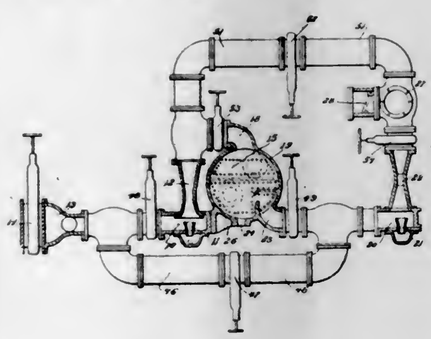
1. In a velocipede, the combination of an animal figure frame, a wheeled running gear supporting the frame, a horn, an air blower for sounding said horn, an operative connection between the running gear and the blower whereby the blower is operated when the velocipede is in motion, and adjustable means for rendering the said operative connection between the running gear and the blower ineffective.

1,499,885. GAS GOVERNOR. FRED P. SMITH, Glassboro, N. J. Filed Jan. 31, 1923. Serial No. 616,059. 6 Claims. (Cl. 50—26.)



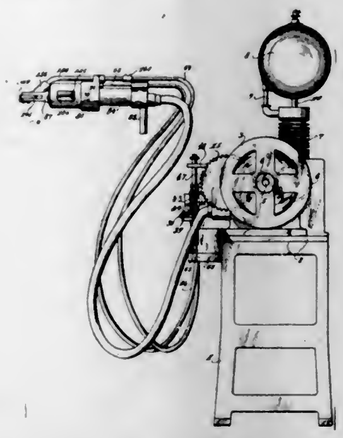
1. A gas governor including a housing or casing having an inlet and outlet, a removable cap on the housing constituting a valve enclosure, a diaphragm within the housing, a lever connected to the diaphragm, a valve located outside of the housing and within the cap so as to be accessible upon removal of said cap and means connecting the valve and lever.

1,499,886. AIR EJECTOR. JOHN H. SMITH, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 1, 1922. Serial No. 533,288. 20 Claims. (Cl. 230—13.)



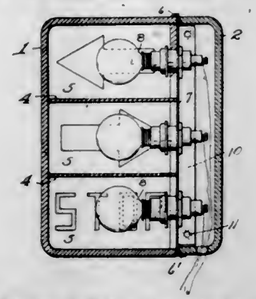
1. In a multistage air ejector organization, in combination, a plurality of elements, each element comprising a first stage ejector, a second stage ejector and an intercooler between said first and second stage ejectors, means connecting the elements to form the assembled ejector organization and means supplying cooling fluid to said intercoolers.

1,499,887. SCREW-DRIVING MACHINE. FLOYD C. SNYDER, JAMES C. STEEN, and GREGORY F. MCNULTY, Massillon, Ohio, assignors to The Reynolds Machine Company, Massillon, Ohio, a Corporation of Ohio. Filed Aug. 25, 1919. Serial No. 319,784. 3 Claims. (Cl. 144—32.)



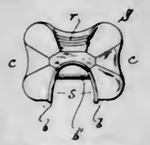
1. A screw driving machine including a power mechanism and a magazine for containing screws, a screw driving head comprising a casing and a screw holding chuck reciprocally mounted within the casing, a flexible shaft operatively connecting the power mechanism and the driving head, a flexible tube connecting the magazine and the driving head, an escapement mechanism for feeding the screws one at a time through the flexible tube to the driving head, and a flexible wire operatively connecting the driving head and the escapement mechanism for actuating the escapement mechanism by the telescoping of the casing over the chuck.

1,499,888. DIRECTION INDICATOR. DANIEL B. SPATZ, Reading, Pa. Filed Dec. 4, 1922. Serial No. 604,702. 2 Claims. (Cl. 177—329.)



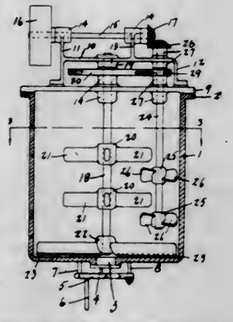
1. In a direction indicator for vehicles provided with a source of electrical energy, a rectangular casing, a removable vertical hood member adapted to form a closure for one end of the casing, a series of horizontal partitions formed within the casing, dividing the interior thereof into a plurality of compartments, a plate interposed between the hood member and the casing, said plate having a right-angled upper end resting on the top of the casing and a right-angled lower end bearing against the under side of the hood, a series of electric lamps, carried by said plate, one located normally in each of the compartments, and transparencies forming the front and rear sides of each compartment, whereon direction indications appear only when the lamp within the compartment is lighted.

1,499,889. DENTAL APPLIANCE. NAUM SPIEGELGLAS, New York, N. Y. Filed Mar. 5, 1924. Serial No. 697,032. 4 Claims. (Cl. 32—16.)



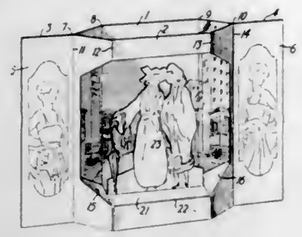
1. As an article of manufacture, a dental appliance of the character designated, comprising a shield formed with a medial open operative area with the surrounding walls flared outwardly, for the purpose and substantially in the manner set forth.

1,499,890. MIXING MACHINE. WILLIAM N. STEVENS, New York, N. Y., assignor to Stevens-Aylsworth Company, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921. Serial No. 445,136. 9 Claims. (Cl. 259—102.)



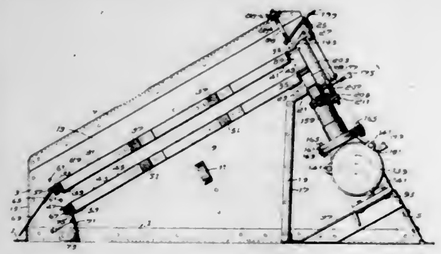
1. In a mixing machine, a chamber adapted to hold the materials to be mixed, a shaft extending downwardly through said chamber, outwardly extending arms secured to said shaft for giving the materials a rotary motion around said shaft only, a propeller shaft extending downwardly through said chamber and a propeller secured to said propeller shaft for giving said materials a vertical motion longitudinally of said propeller shaft only.

1,499,891. DISPLAY DEVICE. SIDNEY A. STORER, New York, N. Y. Filed July 14, 1923. Serial No. 651,534. 4 Claims. (Cl. 40—149.)



1. A collapsible display device in the form of a miniature stage setting comprising two sheets of cardboard or the like placed one on the other and united at their lateral edges to form two stiffened wings, the unattached central portions of said sheets being scored at a plurality of points so as to fold away from each other and to overlie said wing portions on opposite sides thereof when said device is collapsed.

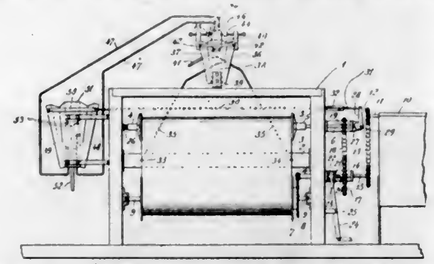
1,499,892. SEPARATOR. THOMAS J. STURTEVANT, Wellesley, and EDWARD A. SAWYER, Swampscott, Mass., assignors to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1923. Serial No. 630,038. 26 Claims. (Cl. 83—56.)



1. A separator for grading materials comprising, in combination, a screen, a casing beneath the screen, a shaft mounted in said casing, an eccentric on said shaft having minute eccentricity, a member reciprocated by the eccentric and extending upward to the screen and adapted to vibrate the screen, the latter being unattached to said member that it may have sympathetic vibrations independent of said member, and pins adapted to be struck by the vibrated screen, thereby further to contribute to the vibration of the screen.

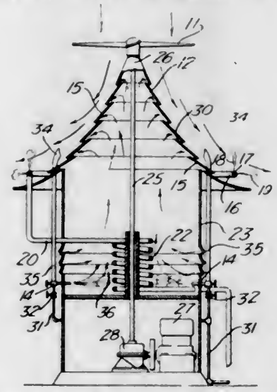
1,499,893. TRACKING DEVICE FOR MUSIC SHEETS AND THE LIKE. STERLING W. WARNER, Westfield, N. J., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Oct. 9, 1920, Serial No. 415,847. Renewed May 6, 1924. 4 Claims. (Cl. 84—140.)

1. The combination in a tracking device of two control-ports appurtenant to the tracker-bar arranged respectively to have their pneumatic conditions oppositely varied by wandering of the sheet; interconnected balanced pneumatics, both operative on suction and several connected with the two control-ports; additional control-port and valve means operated by said balanced pneumatics; and pneumatic motor means adapted to be con-



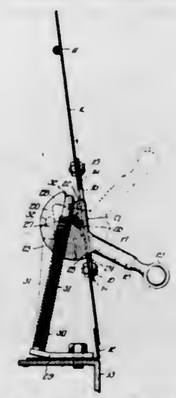
nected direct to the atmosphere through said additional control-port means to be governed thereby and operatively arranged to correct the wandering of the sheet.

1,499,894. AIR CIRCULATOR AND HEATER. WALDO D. WATERMAN, Los Angeles, Calif. Filed July 17, 1922. Serial No. 575,653. 28 Claims. (Cl. 126—59.5.)



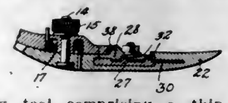
1. In a temperature moderator for distributing air over an area, the combination of: means for delivering a flow of air normal to said area; and means for deflecting said air outwardly in flat blanket form over said area.

1,499,895. HOOD LATCH. JOHN F. WHITE, Chicago, Ill., assignor to White Products Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1921. Serial No. 464,882. 17 Claims. (Cl. 292—247.)



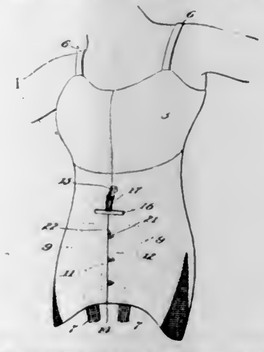
1. In a hood latch, a hooking member projecting exteriorly of the hood, a fulcrum adapted to cooperate with said member, a keeper carried by the stationary structure interiorly of the hood, and means functioning when the hooking member in engagement with the keeper has reached the fastened position of the latch for securing the member in said position.

1,499,896. CUTTING IMPLEMENT. HOMER A. WHITEHORN, Port Washington, N. Y. Filed Apr. 14, 1922. Serial No. 552,755. 5 Claims. (Cl. 30—11.)



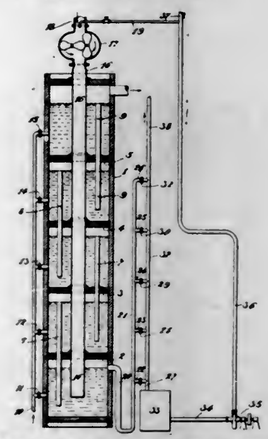
1. A cutting tool comprising a thin blade having parallel cutting edges, relatively movable plates, said blade being carried by one of said plates, and an abutment carried by the other of said plates closely adjacent the path of movement of said blade.

1,499,897. COMBINED CORSET AND BRASSIÈRE. DAISY K. WOLF, Louisville, Ky. Filed Oct. 16, 1922. Serial No. 594,756. 4 Claims. (Cl. 2—42.)



2. A corset brassière having a boned area extending over a portion only of the lower front part thereof, the portions of the garment surrounding said boned area being unstiffened, a cleft extending from the lower limit of the garment upwardly through the boned area only, dividing said boned area into two sections, said sections being limited with substantially rigid inter-attaching closure means.

1,499,898. METHOD OF AND APPARATUS FOR ABSORBING GASES IN LIQUIDS. ROBERT B. WOLF, New York, N. Y. Filed Oct. 28, 1920. Serial No. 420,183. 13 Claims. (Cl. 23—13.)



1. An apparatus for the absorption of gases by liquids comprising a tower having a series of compartments

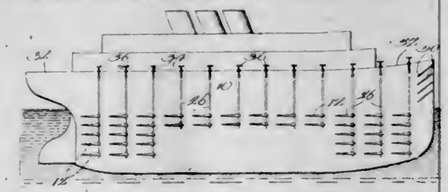
therein, means for permitting the liquid to flow from each compartment to the next lower compartment and for causing the gases to pass upwardly through the liquid in the compartments, means for introducing the liquid into any of said compartments whereby the liquid may be maintained in a part only or in all of said compartments, and an outlet conduit from the lower compartment with means for maintaining therein a variable head of liquid sufficient to prevent escape of gas therethrough, whereby the liquid is permitted to flow from the apparatus with maintenance of the required pressure therein and prevention of escape of gases through the outlet conduit.

1,499,899. SURGICAL SYRINGE. ALLAN SCOTT WOLFE, Washington, D. C. Filed Aug. 25, 1921. Serial No. 495,340. 5 Claims. (Cl. 128—221.)



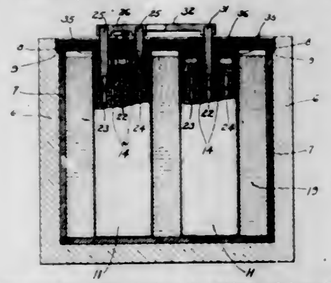
1. In a surgical syringe, a point adapted to be inserted into osseous tissue, said point being formed of a highly refractory metal integrally reinforced with an alloy of a precious metal.

1,499,900. MEANS FOR STEADYING SHIPS. GOTTLIEB F. ZUCKER, Chicago, Ill. Filed Mar. 21, 1922. Serial No. 545,398. 3 Claims. (Cl. 114—126.)



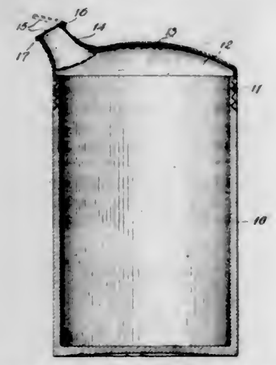
1. The combination with a ship hull adapted to travel through water, of a plurality of fins each pivotally carried on the sides of the hull for angular adjustment with respect to the axis of the hull, said fins being arranged in series vertically of the hull, a common means for simultaneously and harmoniously adjusting the fins of each series, said means comprising a guide-way secured to the side of the hull, a rod slidable in the guide-way having pivotal connections with corresponding ends of the fins of the related series, and means for sliding said rods.

1,499,901. STORAGE-BATTERY CELL. ROBERT JAMES ANDERSON, Minneapolis, Minn., assignor to Charles Henry Washburn, Minneapolis, Minn. Filed June 5, 1922. Serial No. 565,816. 6 Claims. (Cl. 204—29.)



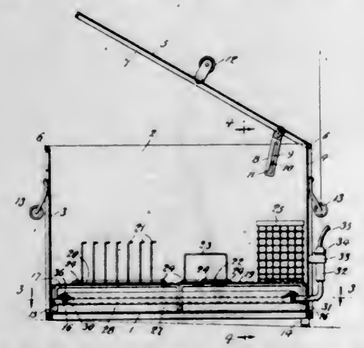
1. A secondary cell having a casing of insulating material adapted to contain a liquid electrolyte, a cover therefor, partitioning means of insulating material extending from the casing base to the cover to separate the casing into covered compartments, said partitioning means being pervious to permit circulation of the electrolyte, positive material in one compartment and negative material in the other compartment whereby the two materials are insulated from each other and the electrolyte may freely circulate therebetween, the positive material being in loosely divided form whereby a relatively large surface is presented to the electrolyte, a grid means extending into each compartment in engagement with the contained material, and a cell terminal provided by each grid means.

1,499,902. SUGAR HOLDER. JOSE MARTINEZ BARDERA, New York, N. Y. Filed June 18, 1920. Serial No. 389,936. 1 Claim. (Cl. 215—43.)



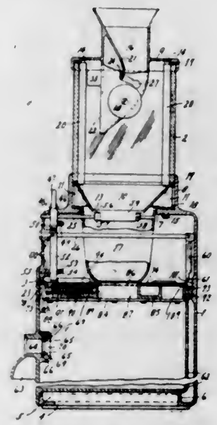
A sugar dispenser comprising a cylindrical receptacle of material having threads on the exterior surface thereof adjacent its free opening, a cover securely mounted thereon to normally form a complete closure for said receptacle, said cover comprising a unitary curved top portion with a spout formed near its outer edge integral therewith and angularly projecting outwardly and upwardly thereof beyond the side of the receptacle, a cylindrical ring member integral with said top portion having the interior surface thereof threaded to fit the threaded end of the receptacle, the juncture of the outer edge of said spout with said cylindrical ring member being in line with the outer surface of the cylindrical receptacle, and a cap hinged to an edge of the spout opening normally in position to close the latter, said spout having an outlet in a plane normally at an angle with the horizontal, said cap arranged to swing open when the dispenser is tilted less than 90° from its normal vertical upright position, and to simultaneously swing back to its effective closure position when the dispenser thereafter is returned to its initial position.

1,499,903. DISH DRIER. ADOLPH BECK, Brooklyn, N. Y. Filed Feb. 4, 1922. Serial No. 534,026. 10 Claims. (Cl. 34—19.)



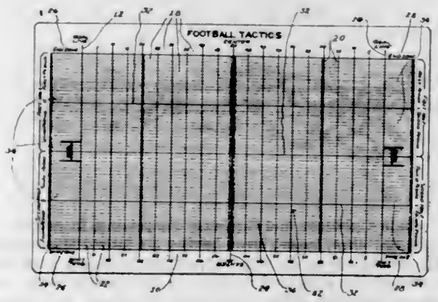
6. In a device of the character described, a casing, a drain stand comprising a wire frame having legs adapted to engage the base of said casing and a wire mesh stretched over said frame and secured thereto, a wire rack adapted for holding dishes and detachably secured to said wire mesh, a wire basket for holding silverware and detachably secured to said wire mesh, a heater support detachably held to said casing beneath said wire mesh and an insulated heater on said support adapted to be connected with a source of current supply.

1,499,904. FARE BOX. SAMUEL J. BELL and FREDERICK H. BULLARD, Springfield, and ROBERT E. COSGROVE, Longmeadow, Mass., assignors, by mesne assignments, to Bell Register Corporation, Springfield, Mass., a Corporation of Delaware. Filed Oct. 14, 1922. Serial No. 594,609. 47 Claims. (Cl. 232—7.)



10. The combination, in a fare box, with a case, a superimposed receptacle, an inspection plate mounted beneath said receptacle, means normally to retain said plate in closed position relative to said receptacle, such means consisting in part of a rocking member, and a drawer in said case adapted to receive fares from said plate when the latter is opened, said drawer being provided with a closure, of oscillatory means requiring the opening of said plate before said drawer can be withdrawn from said case, said oscillatory means being interposed between said rocking member and said drawer.

1,499,905. GAME APPARATUS. GEORGE W. BISHOP, New York, N. Y. Filed Apr. 17, 1922. Serial No. 553,637. 9 Claims. (Cl. 46—63.)



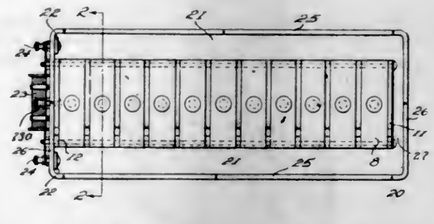
2. A game apparatus which comprises a field of play having lines spaced in one direction to represent distances between goals and lines transverse to said lines and spaced to represent play intervals, and a marker adapted to be placed on said field to indicate the progress of the game as to time and distance.

1,499,906. TRAFFIC-SIGNALING APPARATUS FOR STREET CROSSINGS. JOSEPH W. BRENKERT, San Diego, Calif. Filed Dec. 17, 1923. Serial No. 681,137. 8 Claims. (Cl. 116—63.)



6. A traffic signaling apparatus, including a base member, a support rotatably mounted thereon, traffic signaling members pivotally mounted at a right angle to each other on said support, latch means in connection with said support and said signaling members for securing the latter in signaling and in certain downwardly shifted positions, means for rotating said support, and stop means in connection with said base member for limiting the rotation of said support.

1,499,907. STORAGE BATTERY. SAMUEL H. BROWN, Cleveland, Ohio. Filed Aug. 28, 1922. Serial No. 584,635. 10 Claims. (Cl. 204—29.)

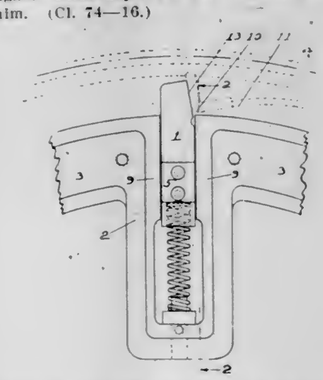


7. In a storage battery of the character described, the combination of a series of spaced apart electrode plates, spacing means in the nature of a jar engaging the perimeter of adjacent plates, whereby an electric current may flow from one plate to another when the jar is filled with an electrolytic solution, there being an exteriorly disposed plate closing the open side of the jar, a casing surrounding the jar and electrodes with an intervening space between a wall of the casing and the exteriorly disposed plate, anodes secured to a wall of the casing and disposed within said space, rectifier resistance coils secured to the exterior of the casing and connected to the anodes, whereby a rectified current may flow from an alternating service line connected with the anodes through an electrically conductive solution in said space to said exteriorly disposed plate and thereafter to an adjacent electrode through an electrolytic solution contained by the jar.

1,499,908. PROCESS OF ACTIVATING CARBON. NEWCOMB K. CHANEY, Kew Gardens, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Apr. 22, 1922. Serial No. 556,079. 7 Claims. (Cl. 252—3.)

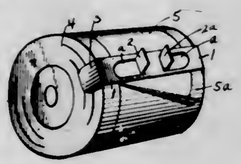
1. Process of making a highly adsorptive carbon, comprising subjecting a primary carbon consisting essentially of a complex of active carbon and adsorbed hydrocarbons, to treatment with a gaseous substance capable of forming removable compounds with such adsorbed hydrocarbons and incapable of materially oxidizing such active carbon, and introducing a fluid to eliminate the removable compounds.

1,499,909. LATCH. EDGAR D. CHURCH and JACKSON W. VAN BRUNT, Saginaw, Mich., assignors to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed Sept. 24, 1923. Serial No. 664,616. 1 Claim. (Cl. 74—16.)



In a latch of the class described, a spring-pressed longitudinally disposed bolt, a removable stop member secured to a face of said bolt, a removable cover for said latch, a bumper of softer material than the said stop member removably secured to the inner face of said cover and adapted to receive the impact of said stop-member for the purposes set forth.

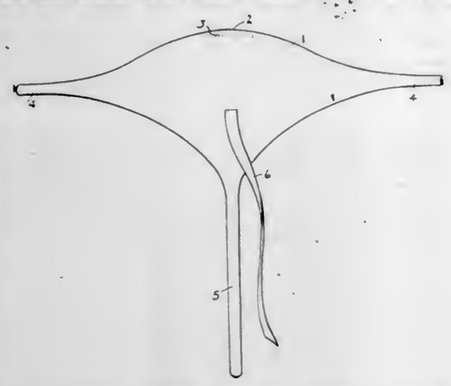
1,499,910. FASTENER FOR BOLTS OF CLOTH, RIBBON, AND THE LIKE. LON F. COX, Mertens, Tex. Filed Mar. 16, 1923. Serial No. 625,491. 2 Claims. (Cl. 206—55.)



1. A device for holding the free ends of cloth, ribbon and the like on a bolt without damage thereto, comprising a substantially flat strip of spring material, the ends of which are bent downwardly over the ends of the bolt, and segments adjacent to the center of the strip cut out and bent upwardly, then at a point midway of their length bent back upon themselves to form a suitable means for releasing said ends from the bolt, substantially as described.

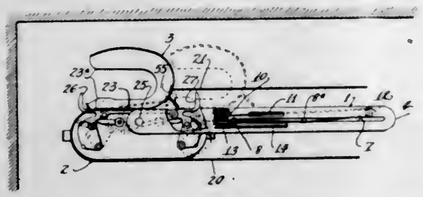
1,499,911. PROTECTOR FOR BOBBED HAIR. EARLINE DALZELL, Houston, Tex. Filed Feb. 4, 1924. Serial No. 690,344. 3 Claims. (Cl. 132—46.)

1. A hair protector comprising an approximately triangular strip of fabric, opposite side ribbons connected therewith, a forwardly extending ribbon midway between said side ribbons, a top ribbon connected with said strip



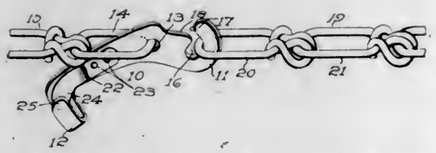
and extending forwardly over said forward ribbon and means to conform the rear of said strip to the head of the wearer.

1,499,912. APPARATUS FOR HANDLING ORE AND THE LIKE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1922. Serial No. 534,324. 7 Claims. (Cl. 37—115.)



1. In an apparatus of the class described, in combination with a reciprocable draft-operated scraper, a frame having lateral supporting means, an elongated turning member having pivotal connection intermediate its ends with said frame, and adapted to afford bearing at one side thereof for said scraper, said pivotal connection being eccentric of the lateral sides of said turning member, and nearer the bearing side thereof.

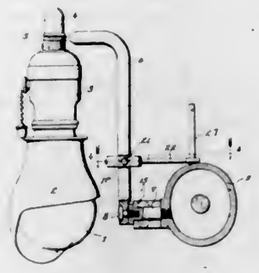
1,499,913. RIM-CHAIN CONNECTER. JOSEPH J. DEMERS, East Watertown, Mass., assignor to The Columbus McKinnon Chain Co., Columbus, Ohio, a Corporation of Ohio. Filed Dec. 27, 1921. Serial No. 524,820. 1 Claim. (Cl. 24—69.)



A chain tightener and fastener, comprising, in combination, a flat sheet metal lever having an intermediate portion pivotally secured to a link of the chain, a head at one end of the lever and having a deep arcuate notch extending inwardly from one side of the head to form a hook engageable with the end link of a chain, guiding surfaces adjacent the entrance to said notch to guide a link of a chain into the notch, a laterally disposed hook at the other end of said lever adapted to engage a side

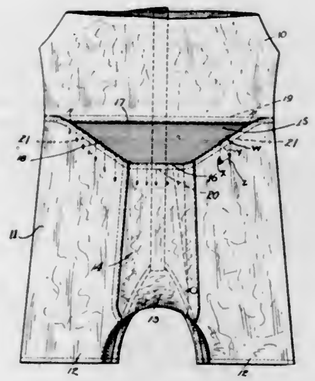
portion of a chain link to hold the lever in the chain fastening position, and with the hook formed by said arcuate notch extending into the link that is pivotally secured to the lever thereby to close the entrance to said notch.

1,499,914. SEWING-MACHINE LIGHTING FIXTURE. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Aug. 5, 1921. Serial No. 490,051. 6 Claims. (Cl. 240—2.)



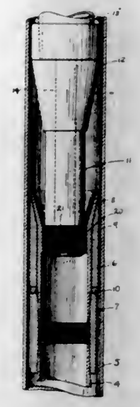
1. A lighting fixture for sewing machines comprising, a lighting arm adapted to be secured to a sewing machine bracket-arm, an anchor-rod having an eye at one end adapted to embrace the usual sewing machine spool-pin, and adjustable clamping means for securing said rod in angular relation to said lighting arm, said means permitting the anchor-rod to be adjusted endwise of itself or swung about the lighting arm as a center.

1,499,915. UNDERGARMENT. HERMAN B. FERGUSON, New Rochelle, N. Y.. Filed Sept. 10, 1919. Serial No. 323,002. 1 Claim. (Cl. 2—144.)



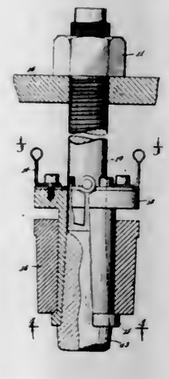
A union undergarment comprising a shirt portion and a drawers portion having a rear crotch gore, said drawers portions having at the rear thereof sloping sides extending from the sides of the waist line to the top of said crotch gore, and an insert of elastic webbing of substantially inverted trapezoidal shape having a substantially straight longer side secured to the shirt portion along the waist line and having substantially straight sloping sides secured to said sloping sides of said drawers portions and the shorter base thereof substantially parallel to the longer side of said insert and secured to said crotch gore along the whole width thereof.

1,499,916. WELL PACKER. HAROLD W. FLETCHER, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Oct. 22, 1921. Serial No. 509,645. 7 Claims. (Cl. 166—10.)



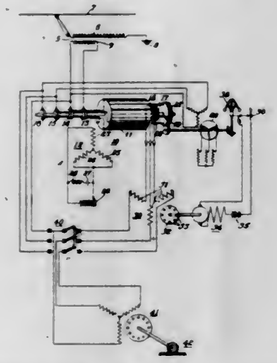
1. In combination with a well packer comprising a coupling, a sleeve of ductile metal thereon, the upper end of which is flared outwardly, a packing sleeve of compressible material outside said metal sleeve; a mandrel for setting and expanding said packer comprising a lower tubular cylindrical end, a frusto-conical expanding head at the upper end and means on the said lower end to engage said packer and releasable therefrom by the rotation of said mandrel.

1,499,917. VALVE-SEAT-REMOVING MECHANISM. HUGH FOLEY, Sour Lake, Tex. Filed Oct. 4, 1921. Serial No. 505,439. 3 Claims. (Cl. 29—86.3.)



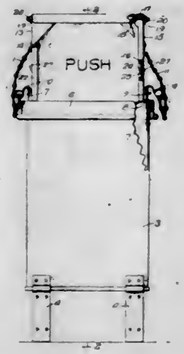
1. In apparatus for removing valve seats, a tapered rod adapted to be inserted through the orifice of a valve seat, said rod having an annular shoulder on its end portion of enlarged diameter, means slidable upon said rod formed to pass through the orifice of the valve seat when in position on the portion of the rod of restricted diameter and to engage said valve seat when in position on the portion of the rod of relatively greater diameter, and means for applying force to the rod, whereby said annular shoulder will engage said means to remove the valve seat.

1,499,918. COMBINED PHASE CONVERTER AND FREQUENCY CHANGER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 5, 1921. Serial No. 442,761. 3 Claims. (Cl. 172—281.)



3. A combined phase converter and frequency changer, comprising a dynamo-electric machine having polyphase primary windings, a commutator cylinder connected to said primary windings, slip rings also connected to said primary windings for deriving both single-phase currents and polyphase currents, a secondary member including a good damper winding, and a rotatable brush system cooperating with said commutator cylinder.

1,499,919. CAN. THOMAS S. FRIEND, Chicago, Ill. Filed Sept. 26, 1922. Serial No. 590,574. 6 Claims. (Cl. 220—24.)



1. A receptacle of the character set forth having a removable cover with an inlet housing extending upwardly from the cover said housing having triangular ends, both of the upwardly extending sides of the triangles being pitched backwardly in the same direction from a vertical plane whereby the roof and the front portion of the housing will be sloped in the same direction, said front portion having an inlet opening and a self-closing door in said housing for covering said opening, the arrangement being such that the door when in normally closed position will be at an acute angle to the perpendicular.

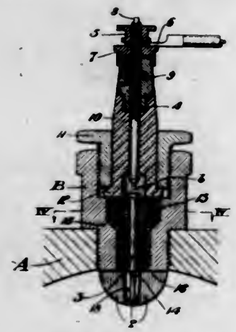
1,499,920. CONVEYER. HARRY M. GODDEN, Jamaica Plain, Mass., assignor to Norfolk Iron Company, Norfolk Downs, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1923. Serial No. 613,130. 2 Claims. (Cl. 193—37.)

1. A conveyer roll consisting of a piece of cold drawn seamless tube formed with a shouldered recess in its end concentric with the outer surface theeof and of a diameter greater than the inside diameter of the tube, and a circular roll head having its peripheral portion of one thickness, laterally extended at right angles to the axis



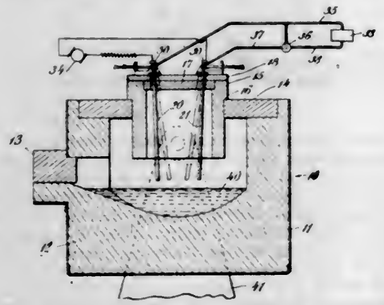
of the roll and fitting tightly and received within the recess, said roll head being securely maintained in the recess by a spun flange of the reduced portion of the tube beyond the head extending inwardly and engaging the outer suface of the head to secure the latter in place.

1,499,921. SPARK PLUG. LEO R. GOETZ, Wexford, Pa. Filed Oct. 27, 1919. Serial No. 333,532. 1 Claim. (Cl. 123—169.)



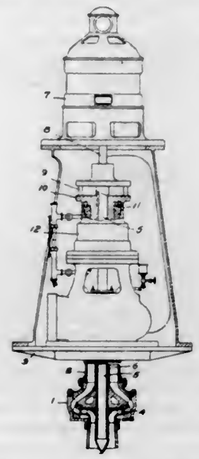
A spark plug comprising a metal body having a central chamber therein, a plurality of integral radially disposed electrodes formed at the bottom of the metal body, and presenting shoulders at the inner end of the chamber, a central electrode in the body, a plurality o transversely disposed mica disks in the chamber through which the central electrode passes and by means of which it is supported, a clamping nut having a threaded engagement with the upper end of the body, said disks being confined between said shoulders of the radial electrodes and the clamping nut, and a top member extending through the nut and having a flange at its lower end interposed between the nut and the mica, said top member having a central conductor therein.

1,499,922. ELECTRIC-ARC FURNACE. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed Dec. 10, 1921. Serial No. 521,333. 24 Claims. (Cl. 204—64.)



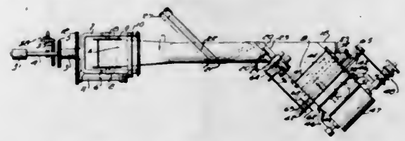
1. An electric arc device comprising electrodes composed of an oxide of magnesia.

1,499,923. CLUTCH DEVICE FOR PUMPS. SAMUEL N. HALL, Los Angeles, Calif., assignor to Mahlon E. Layne, Los Angeles, Calif. Filed Sept. 8, 1920. Serial No. 408,942. 5 Claims. (Cl. 188—81.)



1. The combination with a vertical driven shaft, of a clutch disc or plate secured to the shaft so as to rotate therewith and having passages extending from its lower horizontal face upward, a fixed clutch member with its upper face in opposition to the lower face of said plate and provided on such face with grooves of increasing depth in opposition to said passages, and wedging members lying partly in the passages and partly in the grooves and preventing backward movement of said plate and the shaft, but adapted to be moved up into said passages so as to clear the fixed member when said plate is moved forwardly and to be held in such upper position by centrifugal force.

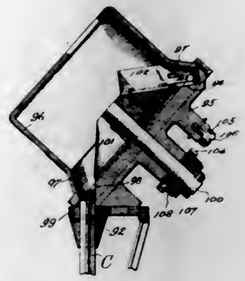
1,499,924. MACHINE FOR CUTTING TUBULAR STOCK INTO CONTINUOUS STRIPS. EMIL M. HAUSHEER, Schenectady, N. Y., assignor to Mica Insulator Company, New York, N. Y., a Corporation of New Jersey. Filed July 20, 1923. Serial No. 652,676. 19 Claims. (Cl. 164—65.)



1. In a machine of the type involving the simultaneous movement of tubular stock along and around a mandrel and a cutter arranged to cut the stock on the bias while on the mandrel, a spirally disposed traveling advancing means arranged about said mandrel in front of said cutter and adapted to engage said stock at a plurality of points on a helical curve about the mandrel for spirally advancing the tubular stock to the cutter.

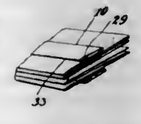
1,499,925. BOBBIN-WINDING MACHINE. PARK A. HERR, Hillside, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed July 29, 1918. Serial No. 247,103. 7 Claims. (Cl. 242—20.)

1. In a device for feeding bobbins, a chute, a hopper comprising a stationary cylindrical receptacle supported with its axis inclined to the vertical and having at its bottom a groove defined by opposed conical side walls spaced apart a distance approximately equal to the axial length of the bobbins to be fed, and a conical bottom wall



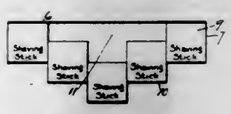
the lowermost portion of which is apertured to communicate with said chute, and an agitator disposed within said hopper and extending into the space between said conical side walls.

1,499,926. SHEET OF FOLDED MATERIAL. JOHN O. HUNT, Brooklyn, N. Y., assignor, by mesne assignments, to Independent Paper Mills Inc., a Corporation of New York. Filed Sept. 14, 1923. Serial No. 662,615. 8 Claims. (Cl. 206—57.)



1. A sheet of material folded into a plurality of substantially coextensive sections, and an outermost section folded on itself into a plurality of parts each of which is non-coextensive with the said sections.

1,499,927. ADVERTISING-DISPLAY DEVICE. GEORGE S. HURST, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a Corporation of Connecticut. Filed Feb. 1, 1923. Serial No. 616,228. 6 Claims. (Cl. 40—126.)

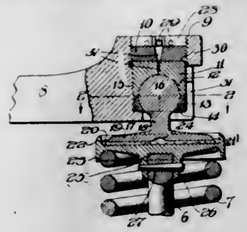


1. A display device comprising a back support, and a number of empty foldable containers permanently secured to said support and arranged to present a solid front with a space between said containers and said back support and said containers being adapted for folding into flat engagement with the back support.

1,499,928. VALVE-STEM SILENCER. ALBERT E. HUTT, Ardmore, Pa. Filed July 5, 1923. Serial No. 649,466. 7 Claims. (Cl. 123—90.)

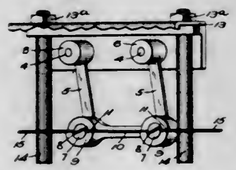
1. In a silent valve operating mechanism, a rocker arm, a valve, a stem for said valve, a disc shaped member attached to and movable with said rocker arm, a joint common to said rocker arm and its disc, a second disc shaped member attached to said valve stem, the juxtaposed substantially contiguous areas of each disc

being greater than the area of said valve stem, and a film of silencing medium interposed between and con-



tacting with said juxtaposed areas, which latter are in contact with each other, except for the intervention of said silencing medium.

1,499,929. THREAD CLEARER. SAMUEL HYSLOP, Newton, Mass. Filed July 9, 1923. Serial No. 650,336. 11 Claims. (Cl. 28—64.)

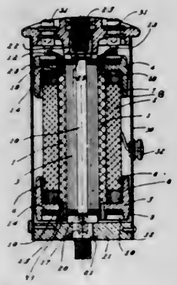


2. A thread clearer comprising a base, a plurality of thread carrying slotted arms pivoted thereon, a link connecting the arms and having a slot registering with the arm slots and constructed and arranged to swing the link slot out of registering position when the arms are turned.

1,499,930. PHOTOGRAPHIC PROCESS. FREDERIC EUGENE IVES, Philadelphia, Pa. Filed Oct. 25, 1923. Serial No. 670,658. 4 Claims. (Cl. 95—88.)

1. The conversion of a photographic silver print in a colloid layer containing also silver bromide to a pigment blue print and silver bromide by treatment in a bath containing in combination the necessary ingredients for producing the blue image, and a bromide.

1,499,931. INDUCTION OR IGNITION COIL. EDWARD B. JACOBSON, Pittsfield, Mass. Filed Apr. 15, 1922. Serial No. 553,230. 6 Claims. (Cl. 175—360.)



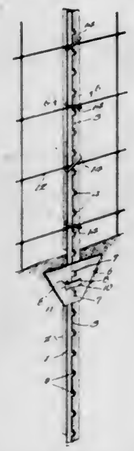
1. In an induction coil, the combination, a core, primary and secondary coils thereon, clamping members therefor, said members being formed with recesses on their inner surfaces to receive the ends of the coils, and tubular projections communicating with the recesses to receive the terminals of the primary winding and other recesses formed and located on the outer ends of the members, metallic members located on the said other recesses for distributing the magnetic flux from the core, a tie rod and means thereon for drawing the clamping members toward each other.

1,499,932. ANTISKIDDING DEVICE. SIDNEY DATTNER JACOBSON, New York, N. Y. Filed Mar. 2, 1921. Serial No. 449,053. 1 Claim. (Cl. 24—236.)



In a device of the character described, the combination with a pair of side chains and a cross-chain, of a member adapted for detachably engaging the cross-chains and the side chains comprising a piece of wire bent into a U-shape, the free ends of the wire being bent upwardly and rearwardly, the said free ends having recesses therein, a keeper having side portions secured to the legs of the U-shaped member and a portion provided with shoulders arranged to engage the said recesses of the ends of the U-shaped member, the said shouldered portion having a tongue projecting from it and arranged between the legs of the U-shaped member and curved upwardly to prevent the displacement of the said keeper sidewise.

1,499,933. METALLIC FENCEPOST. HAROLD C. JONES, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 16, 1922. Serial No. 529,404. 19 Claims. (Cl. 189—29.)

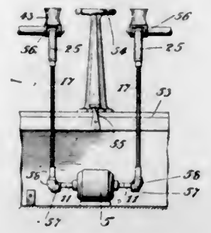


1. A rolled metal bar for fence post purposes, said bar having its front face substantially flat, studs formed on the face of the bar in a row extending lengthwise of the bar, said studs being spaced apart at distances greater than the extent of the studs lengthwise of the bar.

1,499,934. POWER-TRANSMISSION DEVICE. BENJAMIN W. KLEIN, Mount Vernon, N. Y. Filed Mar. 3, 1922. Serial No. 540,923. 1 Claim. (Cl. 74—101.)

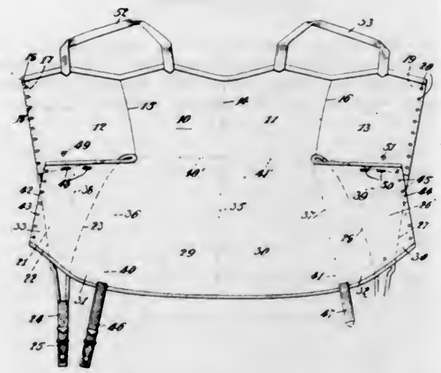
In combination with a motor having a shaft extension, a flexible tool operating shaft, an end bearing for said flexible shaft, a bearing part loosely mounted for axial rotation on the motor shaft extension, each of said bearing parts having arms located at opposite sides of the axial

center of the bearing and unequally spaced therefrom, one of the arms being provided with a pivot stud and the other arm having an opening to receive the pivot stud of the other bearing part whereby the bearing part for the flexible shaft may be connected to or disconnected from the bearing part on the motor shaft by a relative shifting



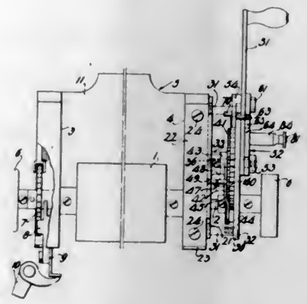
movement, and intermeshing gear elements detachably connected to the ends of the motor shaft and the flexible shaft to continuously drive the latter in its angular movement with respect to the motor shaft and said gear elements coacting with the respective bearing parts and constituting stops to prevent shifting movement of said parts in one direction upon the respective shafts.

1,499,935. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Brothers, New York, N. Y. Filed Oct. 5, 1922. Serial No. 592,471. 4 Claims. (Cl. 2—43.)



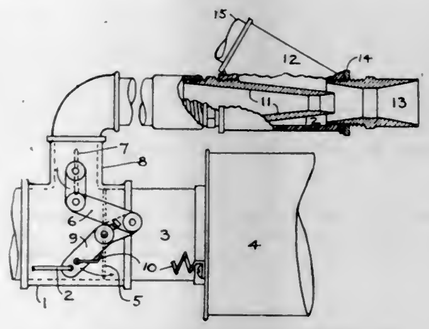
4. An apparel garment adapted for use as a combined under vest, corset and brassière and to completely cover the body from substantially the bust to the thighs, comprising a one piece body member having a back section, bust sections and hip, thigh and abdominal sections, the bust section in each front portion of the garment being separated from the hip, thigh and abdominal section in the corresponding front portion of the garment along a line of division which extends from the front edges of the said sections to substantially the axillar portions of the garment, the upper edges of the hip, thigh and abdominal sections being adapted to overlie the lower edges of the bust sections in the front portions of the garment, means for connecting the edges of the said bust section and the hip, thigh and abdominal sections at the front of the garment, means for connecting the overlapping front portions of the hip, thigh and abdominal sections to the underlying portions of the said bust sections, extensions depending from the said bust sections and underlying the said hip, thigh and abdominal sections, and hose supporters connected at the extremities of the said extensions.

1,499,936. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 19, 1921. Serial No. 453,616. 18 Claims. (Cl. 197—117.)



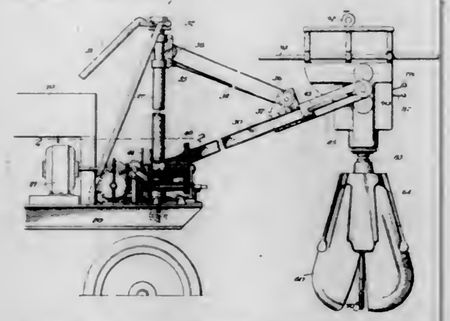
1. In a typewriting machine having a revoluble platen, line-space mechanism for advancing the platen by steps of definite extent, a platen-sweeping handle and rotation-multiplying connections between the handle and the platen, in combination, a pivotally-mounted stop for limiting the travel of the handle to control the extent of the platen-sweeping movement, and means for adjusting the stop to any one of a large number of positions, comprising a plate having a plurality of rows of holes so arranged that the travel of the handle can be varied by steps of line-space extent, and a latch slidingly mounted on the stop for movement along the stop toward and from the pivot of the stop into position to enter any one of said holes to detain the stop in the adjusted positions determined by the holes.

1,499,937. VACUUM CLEANER FOR INCLOSED PASSENGER VEHICLES. WARD LEATHERS, Haworth, N. J. Filed Aug. 31, 1922. Serial No. 585,565. 2 Claims. (Cl. 230—13.)



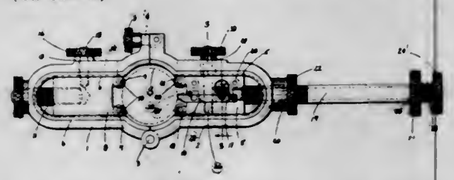
1. In a closed passenger automotive vehicle, a permanently installed vacuum cleaner system comprising a source of motive fluid under pressure, a motive fluid connection, a valve, a jet ejector, a vacuum cleaner suction tube line, a vacuum cleaner hose socket, said socket being associated with said suction tube line, said valve being located on said motive fluid connection and adapted to admit motive fluid to said jet ejector, said jet ejector being adapted to eject air from said suction tube line and hose socket, said hose socket being accessible inside the closed compartment of said vehicle and adapted to receive the end of a vacuum cleaner hose.

1,499,938. EARTH-BORING MACHINE. RANDOLPH LEEDOM, Clifton, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1922. Serial No. 580,410. 10 Claims. (Cl. 255—19.)



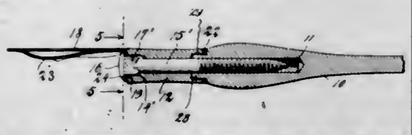
1. An earth boring machine comprising a vehicle, a derrick having a mast rotatably supported upon the vehicle, a boom pivotally carried thereby and a hoisting drum having a cable connected to the boom, and a boring unit pivotally mounted on the outer end of the boom to swing in any vertical plane and comprising a rotary auger and a driving motor operatively connected to the auger.

1,499,939. SHAFT-TURNING TOOL. WILLIAM Z. LINDERS, St. Louis, Mo., assignor to Northwestern Machine Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 4, 1920. Serial No. 428,246. 10 Claims. (Cl. 82—4.)



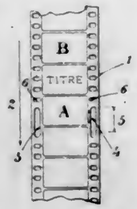
1. A shaft-turning tool provided with a frame consisting of hinged separable members, means pivotally arranged on one of said members for locking said members together, a pair of bearing blocks slidably mounted in said frame, means for clamping one of said bearing blocks in the frame, a cutter positioned in the other bearing block, means for clamping the cutter therein, and means for feeding said cutter block.

1,499,940. PENHOLDER. JOHN J. MCCOMISH, New York, N. Y., assignor of one-third to Frank J. Reinecke, Hoboken, N. J. Filed Oct. 25, 1922. Serial No. 596,759. 8 Claims. (Cl. 120—113.)



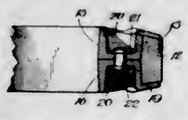
8. In combination with a pen nib and a spoon, each having a forked base, a stem and a gripping portion located at the end of the stem, said gripping portion and stem having aligned bores, the bore of the stem being screw threaded, a screw positioned in the bores of the grip and the stem screwed into the bore of the stem and keyed to the grip, and a head on the end of the screw adapted to clamp the forked base portions of the pen nib and spoon against the end of the grip.

1,499,941. CINEMATOGRAPHIC BAND. JACQUES MARETTE, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Feb. 1, 1922. Serial No. 533,412. 1 Claim. (Cl. 88—19.5.)



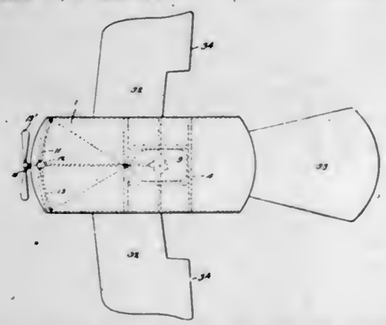
A motion picture film strip adapted for use in a motion picture projection apparatus provided with feeding claws for driving the film, in which the material of the film is suppressed on both sides of the film between the feeding perforations of each of determined images intended for stationary projection so as to form elongated apertures corresponding respectively to each of said images and the length whereof is greater than that of the claws' stroke.

1,499,942. FILLER BLOCK FOR DRAFT-GEAR YOKES. GEORGE C. MURRAY, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 442,938. 6 Claims. (Cl. 213—67.)



3. The combination with a yoke, having a rear wall provided with lateral tapered surfaces, of a filler block formed in two parts each having a flange adapted to coact with one of said tapered surfaces.

1,499,943. AEROPLANE. JOHN F. PENN, Baltimore, Md. Filed Mar. 14, 1924. Serial No. 699,160. 5 Claims. (Cl. 244—29.)

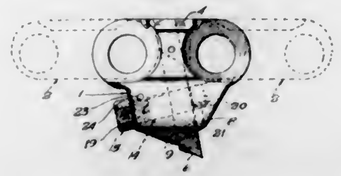


1. An aeroplane including main and side sustaining planes, parallel banking planes at the sides of the main plane, and a car pivotally connected to and suspended from between the banking planes.

1,499,944. CUTTER CHAIN. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1923. Serial No. 645,763. 2 Claims. (Cl. 262—33.)

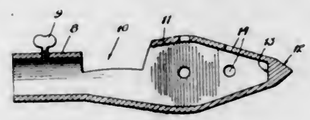
1. In combination with a cutter chain block for mining machines having a bit receiving aperture therein, a bit, a clamping member arranged transversely of said

bit receiving aperture and having means adjustable from the rear end of said block for drawing said clamping member rearwardly to secure the bit in bearing engagement in said bit receiving aperture, and a bit gripping



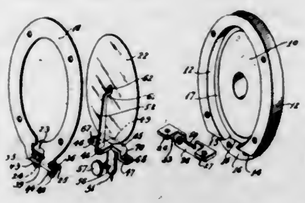
device comprising a plug formed of cylindrical stock, said plug being seated transversely in said clamping member and provided with a plurality of toothed projections formed along one side thereof in position to engage the bit.

1,499,945. SOLDERING INSTRUMENT. GEORGE A. RENSTROM, Bremerton, Wash., assignor of one-fourth to Dea Guy Lowe, one-fourth to Robert Linn Totten, and one-fourth to Edward W. Bonneau, all of county of Kitsap, Wash. Filed Feb. 17, 1923. Serial No. 619,753. 1 Claim. (Cl. 158—27.)



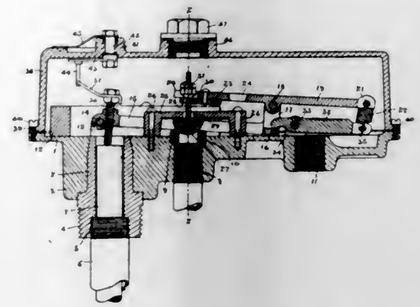
A soldering point for use with blow torches, comprising an integral hollow body including a sleeve terminal to slidably engage the vaporizing pipe of the blow torch, a set screw to secure the point to said pipe, the body in advance of the sleeve terminal being enlarged and formed with a soldering point, said body immediately in advance of the sleeve terminal being formed with an air admission opening, the wall of the body in advance of the opening and adjacent the soldering point being formed with a plurality of small openings.

1,499,946. SOUND BOX. THEODORE C. ROBERTS, New York, N. Y., and FRANK C. HINCKLEY, Stratford, Conn., assignors, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Aug. 18, 1921. Serial No. 493,218. 2 Claims. (Cl. 274—35.)



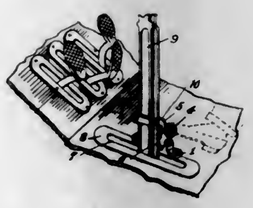
1. A sound-box comprising a body member having laterally disposed spaced portions providing a gap between them, bearing members removably mounted on the portions and being fixed and non-adjustable with relation to each other when mounted on said portions and when removed therefrom, a stylus lever, a cross-bar carried by the stylus lever and pivotally bearing upon the bearing members at its ends, and means adapted to maintain the cross-bar in engagement with the bearing members.

1,499,947. THERMOSTATIC CONTROLLER FOR GAS WATER HEATERS. BERNARD RYAN, New York, N. Y. Filed Nov. 29, 1920. Serial No. 427,257. 6 Claims. (Cl. 236—48.)



1. In a thermostatic controller for gas water heaters, an elongated casing, a thermostat connected at one end of said casing, a gas outlet arranged closely adjacent to said thermostat, a valve controlling the outlet, and a plurality of levers extending past said outlet operated by said thermostat and controlling said outlet valve.

1,499,948. AUTO BRAKE SAFETY CATCH. HERBERT SACHS, Bronx, N. Y. Filed Nov. 28, 1923. Serial No. 677,406. 4 Claims. (Cl. 74—39.)

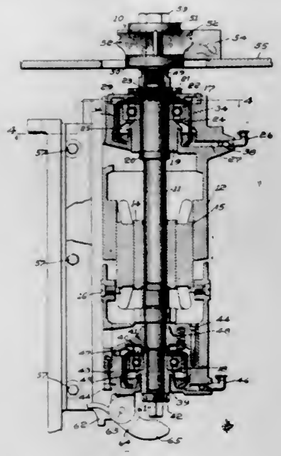


1. A safety catch for a brake-lever, comprising a block having a base for attachment to the floor and trunnion portions to form a bearing, an angle lever pivoted in said trunnions with one arm extending out over the floor, a spring between said arm and the base tending to move the arm upwardly, the angle lever other arm projecting upwardly with a lug portion extending laterally towards the path of the brake-lever, said lug having one face inclined whereby the brake-lever engaging such face will swing the elbow lever back to pass beyond the lug and thereby compress said spring, whereby the elbow lever will be returned to former position, said lug also having an abutment face arranged to engage the brake-lever on its return, to prevent further return of the brake-lever until the elbow lever is swung by the said base arm.

1,499,949. SPINDLE-LUBRICATING MEANS. WILLARD N. SAWYER, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed June 8, 1923. Serial No. 644,186. 9 Claims. (Cl. 64—56.)

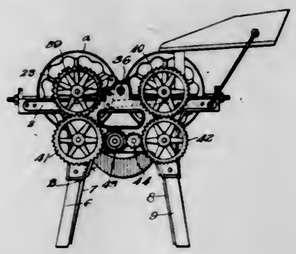
1. In combination with a wood shaper having a vertical spindle for operating a cutter head, an antifriction bearing for the spindle mounted in a closed casing, and lubricating means for the bearing including, an oil receptacle below the bearing, an oil slinger within the

casing and secured to the spindle above the bearing for rotation by the spindle, and a wick extending upwardly from the oil receptacle into contact with the slinger and



adapted to convey oil to the slinger to be thrown outwardly by the latter in the form of an oily mist that lubricates the bearing.

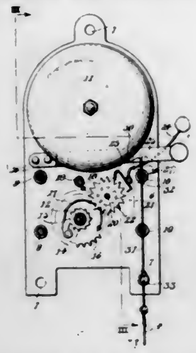
1,499,950. POTATO-CUTTING MACHINE. HENRY J. SMITH, Minneapolis, Minn. Filed Oct. 28, 1922. Serial No. 597,691. 5 Claims. (Cl. 146—164.)



1. A potato cutting machine, consisting of a frame supported by supporting legs, cutting knives stretched through the central or inner portion of said frame, means for drawing these knives to the desired tension, means for holding revolving and swinging feeding rolls among the cutting knives and means for imparting a positive revolving motion to said feeding rolls.

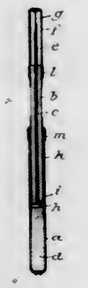
1,499,951. BURGLAR ALARM. JOHN SOSOKA, Cleveland, Ohio. Filed Oct. 15, 1923. Serial No. 668,702. 1 Claim. (Cl. 116—92.)

In an alarm device including a frame supporting a bell, a hammer arm pivoted on the frame adjacent the bell, and means to oscillate the hammer arm; a latch mechanism to hold the hammer arm against oscillation and comprising a horizontally disposed spring arm having one end secured to the frame remote from said hammer arm and its other end provided with a laterally extending pin movable into and out of the path of the hammer arm, the resiliency of the spring arm tending to move the pin out of said path, a second spring arm at right angles to the first having one end fixed to the frame in front of the free end of the first spring arm and being provided with an angularly bent portion constituting a latch for the first mentioned arm to hold it



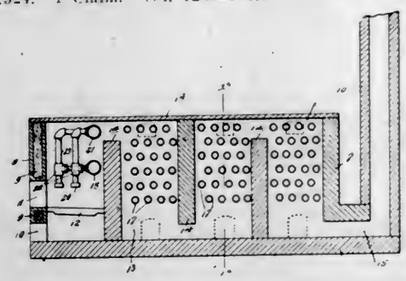
releasably flexed and the pin in the path of the hammer arm, and pull means attached to the free end of the second spring arm.

1,499,952. AMPUL SYRINGE. HENRY SPAHLINGER, Carouge-Geneve, Switzerland. Filed Mar. 1, 1920. Serial No. 362,462. 7 Claims. (Cl. 128—220.)



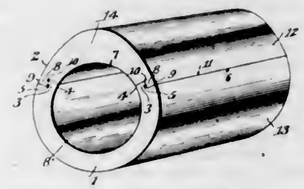
2. In an ampul-syringe an ampul, a telescoping member of non-uniform diameter and having a loose or leaky fit therewith, and a plastic sealing substance between the telescoping surfaces acting as a lubricant during use of the syringe.

1,499,953. FURNACE. JOSEPH LEROY SPURGEON and THOMAS JEFFERSON FARLEY, Bloomfield, Iowa. Filed June 25, 1923, Serial No. 647,497. Renewed Apr. 10, 1924. 1 Claim. (Cl. 126—101.)



A furnace including outer side walls and inner side walls spaced apart to provide air spaces therebetween, a grate disposed between the inner side walls, and transverse air heating tubes carried by and connecting the inner side walls and communicating with said air spaces at their ends, said tubes being arranged in vertical rows inclined in opposite directions, and water heating means above the grate, said water heating means comprising superimposed inlet and outlet headers having forwardly extending pipes provided with down turned ends, the ends of the pipes of the inlet header being arranged within the lower ends of the downturned ends of the pipes carried by the outlet header, and caps closing the lower ends of the pipes of the outlet header.

1,499,954. DRAIN PIPE. CLIFTON STILES, Calhoun, Ky., assignor of one-half to A. B. Stiles, Calhoun, Ky. Filed Nov. 21, 1922. Serial No. 602,382. 2 Claims. (Cl. 61—10.)



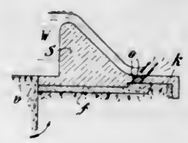
1. A drainage pipe comprising a hollow cylindrical body formed of a base section and a removable lid section, said base section of a size greater than half a cylinder, said lid section of a size less than half a cylinder and having its outer face of substantially semi-oval contour and its inner face of semi-circular contour whereby the body portion of said lid section increases in thickness from each side terminal thereof to its longitudinal center.

1,499,955. IDENTIFICATION TAG AND METHOD OF MAKING SAME. CHARLES JUDSON STODDARD, Washington, D. C. Filed Oct. 3, 1919. Serial No. 328,121. 8 Claims. (Cl. 40—2.)



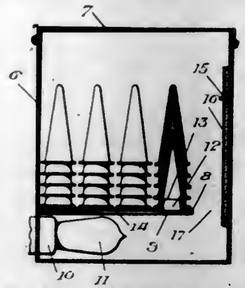
1. The herein described method which consists in applying a plurality of data units to one side of a plate, also applying a plurality of other data units to the opposite side of the said plate and in register with the first mentioned units, and severing from the plate the individual plate portions carrying the registered data units.

1,499,956. PROTECTION OF BUILDINGS OR WEIRS AGAINST HOLLOWING OUT OR WASHING AWAY. KARL TERZAGHI, Vienna, Austria. Filed July 17, 1923. Serial No. 652,175. 6 Claims. (Cl. 61—30.)



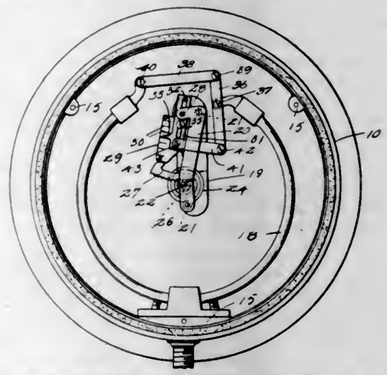
1. In means for preventing washing out of dam footing, a water retaining dam like structure, and a water permeable filter bed extending at the lower part of said structure and formed of gravel like material, a substantial part of said filter bed being on the side opposite that on which the retained water presses.

1,499,957. OVEN OR DISPLAY DEVICE. CHARLES GAINER TURNER, Atlanta, Ga. Filed Aug. 18, 1920. Serial No. 404,345. 18 Claims. (Cl. 34—21.)



18. A combined oven and display device comprising a casing having a window or transparent portion for displaying the contents, a source of heat and light within the casing, and a shelf within the casing for supporting stacks of nested ice cream cones or other cup pastry, said shelf being constructed and arranged for retaining such stacks in predetermined positions spaced from one another against horizontal displacement for the effective illumination and display of the cones or pastry and for the upward flow of air around the stacks.

1,499,958. GAUGE. JESSE W. WEISIGER, Rocky Mount, N. C. Filed Dec. 19, 1921. Serial No. 523,510. 4 Claims. (Cl. 73—109.)



1. A gauge having an indicating mechanism provided with a dial and a cooperating indicator, justifying mechanism for the indicator within the gauge, said dial having an opening therethrough to permit access to the justifying mechanism for actuation, a shuter movable over and from said opening, said dial having an elongated slot therein, and an actuating means for the shutter extending through said slot and engageable with walls at opposite ends thereof to limit its movement in opposite directions.

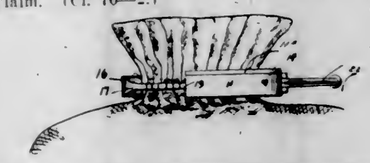
1,499,959. PLATE LIFTER. FREDERICK C. WERNET, Albrightsville, Pa. Filed Apr. 3, 1923. Serial No. 629,609. 3 Claims. (Cl. 294—33.)



1. A plate lifter comprising a pair of connected complementary arms held normally apart under spring tension, said arms having their free ends curved inwardly,

fingers carried by the said curved portions, each of said fingers depending from the said curved portions and bent intermediate its ends to provide a groove, and a clip slidably movable on the said arms.

1,499,960. LOCK. JOSE M. ALMEDIA, Rock Springs, Wyo. Filed May 14, 1921. Serial No. 469,464. 1 Claim. (Cl. 70—2.)



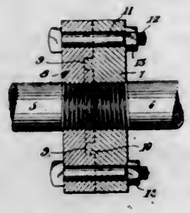
A lock having a substantially rigid arcuate body adapted to receive an article for fastening, one end of said body having a portion integral with the body and of channel form, a plate on said portion to provide a hollow housing in combination therewith, the housing being open at the free end, a latch member in said housing, said portion having spaced inner and outer substantially longitudinally extending walls, the inner wall terminating short of the outer wall whereby the outer wall may be initially engaged by the tongue for effective guidance into the housing and into cooperative relation with the latch member, said latch member being pivoted to the body intermediate said walls and relatively close to the outer wall, the outer end of the latch being free and normally spaced from the outer wall, both ends of the latch being relatively close to the outer wall whereby the ends of the latch will coact with the outer wall to prevent undue movement of the latch to either fastening or releasing position, spring means for the latch carried by said portion at its closed end, said outer wall having a key slot therethrough substantially in line with said spring control means, whereby the pressure against the same will be direct on the part of the key, a tongue to enter said open end of the housing and engage said latch at said free end, and a link means pivoted to the tongue and to the other end of said body to form an articulate connection adapted to dually function to compress an article in the confines of said body and to facilitate insertion of the tongue into said housing through its open end.

1,499,961. SHIELD FOR VEHICLE HEADLIGHTS. WILLIAM AUCHSTETTER, Ida Grove, Iowa. Filed July 12, 1923. Serial No. 651,045. 5 Claims. (Cl. 240—45.4.)



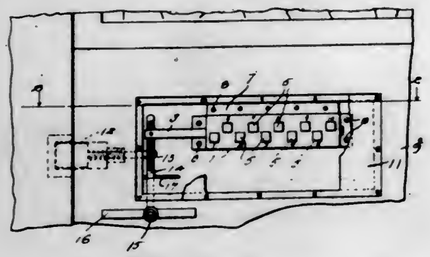
1. In a vehicle headlight of the type described, a lamp casing carrying a front lens, a curtain within the casing adjacent the lens and extending from the upper end thereof downwardly to a point adjacent the lower end leaving a portion of the casing exposed for the projection of light rays, means for holding the curtain in a taut condition, and means for raising the curtain, said curtain holding means including a circular frame, said curtain embodying a circular pocket edge enclosing a portion of the frame and a chordal lower edge.

1,499,962. PIPE JOINT. JOHN BARNER, Manistique, Mich. Filed Feb. 16, 1922. Serial No. 537,014. 1 Claim. (Cl. 285—175.)



In a pipe joint of the class described, male and female members having axial internally threaded registering bores, the contacting face of the female member having a circular series of spaced arcuate depressions therein defining spaced ribs, and each rib having a portion thereof undercut at corresponding ends communicating with the depression and roughened on the inner face thereof, the contacting face of the male member being provided with a circular series of spaced lugs, an arcuate extension carried by the outer end of each lug projecting in the same direction and in directions opposite to the spaced ribs, and adapted to be received in the depressions of the female member with the extensions projecting into the undercut portions beneath the ribs and engaging the same with the faces of the male and female members flatly engaging each other, the interlocking connections between the members being confined within the external configuration thereof, and means for preventing relative rotary movement of the members.

1,499,963. COMBINATION LOCK FOR SEDANS AND COUPÉS. OSWALD E. BECKMAN, Mediapolis, Iowa. Filed Sept. 6, 1923. Serial No. 661,200. 4 Claims. (Cl. 70—54.)

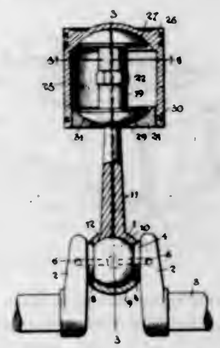


1. In combination with a part having a recess in a side thereof, a permutation lock secured within the outer portion of the recess to admit of ready access to the front and rear sides of the lock for manipulation of the tumblers to secure or release the lock bolt as required, and a covering plate disposed at the front side of the recess and having an opening therein to expose the front side of the lock and admit of the hand being introduced into the recess to manipulate the tumblers of the lock from the inner or rear side, each of said tumblers extending through the front and rear sides of the casing.

1,499,964. PISTON UNIT. WILLIAM CRAWFORD BELL, Baltimore, Md. Filed June 19, 1923. Serial No. 646,398. 12 Claims. (Cl. 74—108.)

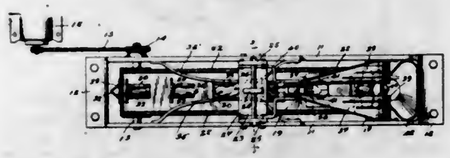
1. A piston unit comprising a piston body having means to provide therein at each end thereof a semi-spherical socket, said sockets being oppositely disposed,

a connecting rod extending through one of said sockets and into said piston body, and a sleeve secured to that



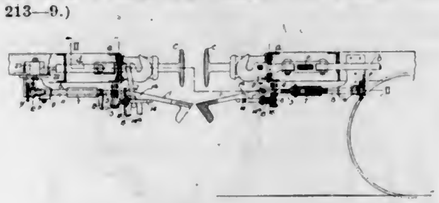
end of the connecting rod within the piston body and provided at each end with a semi-spherical enlargement constituting a bearing seated in one of said sockets.

1,499,965. AUTOMATIC OYSTER SHUCKER. GOTTLOB W. BEYERLE, Denver, Colo. Filed Oct. 3, 1923. Serial No. 666,266. 8 Claims. (Cl. 17—9.)



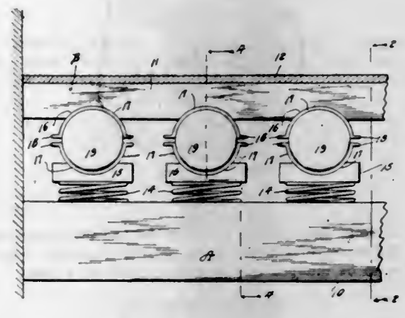
1. A shucking machine for bivalves comprising an endless conveyor, a penetrating knife fixed close thereto, shell carriers on the conveyor adapted to center shells with respect to the knife and transmit force from the conveyor to push the shells against the knife for penetration, shell-spreading means associated with the knife, and means to separate oysters from their shells.

1,499,966. AUTOMATIC COUPLING FOR RAILWAY AND LIKE VEHICLES. WILHELM GOERT BOONZAIER, New Wandsworth, London, England; Irene Kathleen Holland and Gregorio John Boonzaier executors of said Wilhelm Goert Boonzaier, deceased. Filed Oct. 22, 1919. Serial No. 332,505. 3 Claims. (Cl. 213—9.)



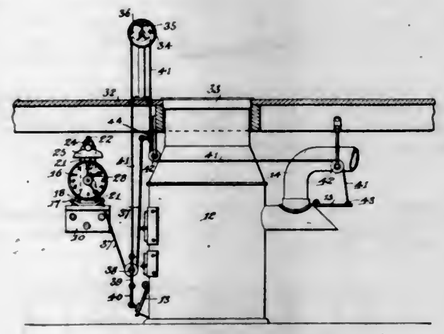
1. An automatic coupling for railway and like vehicles comprising a hook-link coupling member hinged horizontally to a longitudinally movable horizontal member, an inclined surface on the under side of the coupling member, a spring to take up the tensile strain on the coupling, and a transverse crank shaft upon which the inclined surface on the underside of the coupling member is adapted to rest.

1,499,967. VIBRATORY PLATFORM. EDWARD BOWENS, Paducah, Ky. Filed Nov. 17, 1923. Serial No. 675,327. 5 Claims. (Cl. 20—6.)



1. A platform of the class described having a movable floor section supported by horizontally spaced pairs of yieldable supporting means, each pair having one of its members superimposed on the other and engaging the floor section.

1,499,968. TIME-CONTROLLED APPARATUS. BRUNO BRAULT, Two Rivers, Wis. Filed Apr. 6, 1923. Serial No. 630,295. 2 Claims. (Cl. 161—8.)

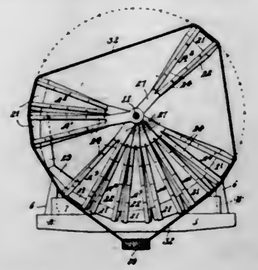


1. The combination with a furnace including a draft door, and a check valve, of an indicator device, a main cable connecting the draft door, the check valve, and the indicator, a timing device, a guide pulley at the end of the portion of the main cable between the indicator and the draft door, and a secondary cable coupled at one end to the portion of the main cable between the check valve and the indicator and leading around the guide pulley and connected at the other end to the timing device.

1,499,969. DUMPING WAGON. ROY R. BROWN, Glens Falls, N. Y. Filed July 31, 1923. Serial No. 654,956. 4 Claims. (Cl. 298—1.)

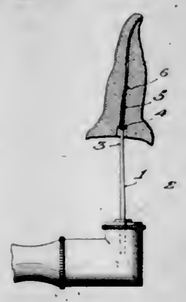
1. The combination with a vehicle running gear of end posts carried by said gear, longitudinally extending shafts carried by said posts, and a semi-cylindrically-

shaped body carried by said shafts, said body consisting of a multiplicity of segments adapted to be consecutively



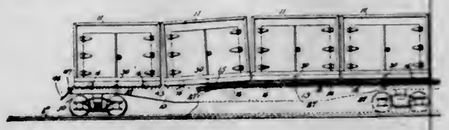
swung from one side of the body to the other for causing the center of gravity to be shifted laterally to cause a load to be dumped a fragmentary part at a time.

1,499,970. PILOT REAMER. CLARENCE BUSH, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 597,956. 2 Claims. (Cl. 32—31.)



1. A dental reamer including a body having a flexible tip constituting a pilot adapted to follow the natural tooth canal, and a reamer burr formed on the body at the rear of the flexible tip.

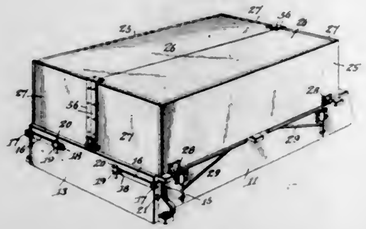
1,499,971. COUPLING DEVICE. ABNER F. CALLISON, Philadelphia, Pa. Filed July 25, 1923. Serial No. 653,743. 10 Claims. (Cl. 214—38.)



1. In a device of the character described, the combination of a vehicle having a platform with fixed upstanding projections, a removable unit container normally resting on the platform and having sockets receiving said projections to prevent relative horizontal movement of said container, and a member optionally projectable vertically above each fixed projection to maintain the connection between the vehicle and the container as the latter is raised from the platform.

1,499,972. CAMPING OUTFIT. BENJAMIN E. CANFIELD, Holton, Kans. Filed Apr. 20, 1923. Serial No. 633,493. 7 Claims. (Cl. 135—1.)

1. A device of the class described comprising a body including a floor member, side portions each comprising longitudinal members at right angles to each other and oblong end members connected to the longitudinal members, one of said longitudinal members of each side portion being hingedly united to the body and said side por-



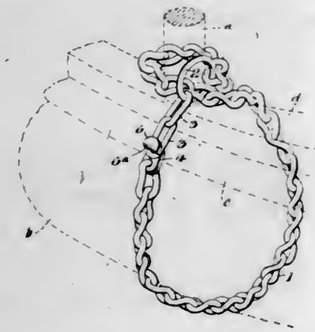
tions being foldable upon the top member of the body, and means for supporting said side portions in open position.

1,499,973. DENTAL TRAY ATTACHMENT. SAMUEL E. DOUGLASS, Raleigh, N. C. Filed Mar. 6, 1923. Serial No. 623,230. 4 Claims. (Cl. 32—6.)



1. A dental tray having a plate detachably fitted to an end thereof to receive and support the material at a point beyond the range of the tray when taking an impression of the mouth, said plate having projections pressed laterally therefrom whereby to facilitate the reassembling of the cast should the same become broken and detached when removing the same from the mouth.

1,499,974. EMERGENCY TRACTION OR ANTISKID CHAIN. EDGAR P. ELZEY, Parkersburg, W. Va. Filed Mar. 20, 1923. Serial No. 626,325. 5 Claims. (Cl. 152—14.)



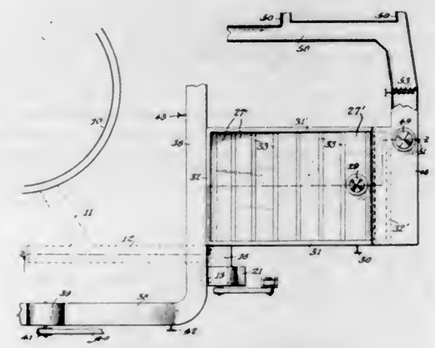
1. An anti-skid or traction device consisting of a single chain length at one end provided with a coupling member in longitudinal continuation thereof, an enlarged loop directly coupled into the other end of said chain length, and a coupling link directly coupled into said loop to receive said member in securing the chain ends together.

1,499,975. ARTIFICIAL BAIT. JAMES EMANUEL FOAD, Green Bay, Wis. Filed Apr. 17, 1922, Serial No. 553,799. Renewed Dec. 3, 1923. 2 Claims. (Cl. 43—46.)



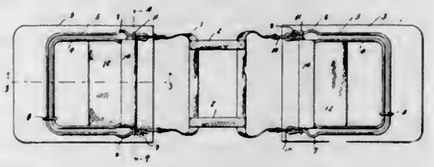
1. An artificial bait, comprising a body of buoyant material, having a weight in its bottom intermediate the ends thereof, flexible fins and tail pieces carried by the body, said body having vertical and angular passages therethrough in the vertical central plane of the same, and a colored coating on the body.

1,499,976. HEATING SYSTEM. PETER C. C. FRIDERICHSEN, Independence, Mo. Filed July 26, 1922. Serial No. 577,583. 5 Claims. (Cl. 34—19.)



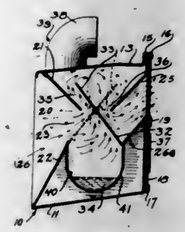
1. In a system of the class described, the combination with a kiln, of a drier located exteriorly of said kiln, a bank of vertically disposed metallic tubes arranged in said drier at one end thereof, and power operated means for drawing hot gases from the fire boxes of the kiln and passing the same indirectly through the drier by passage upwardly through said bank, said means being also operable for the drawing of air through the hot kiln and the fire boxes thereof after the drawing of the fire from the latter and passing the heated air directly through said drier.

1,499,977. GAME RACK AND SHELL POUCH. JOSHUA GIBBS and CLIFTON M. INGHAM, Porter, Okla. Filed Jan. 25, 1923. Serial No. 614,903. 3 Claims. (Cl. 224—5.)



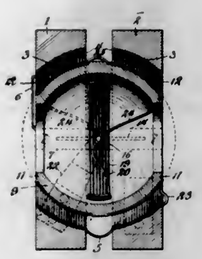
3. A game rack comprising inner and outer substantially U-shaped frames having enlargements adjacent their upper ends, said frames being spaced apart from one enlargement to the other to retain game applicable through the enlargements, said frames having loops above the enlargements, suspending means attached to the loops, said loops being constricted adjacent the enlargements, a crosstie spanning the loops and fastened thereto at the constrictions, and a pouch carried by said crosstie.

1,499,978. AUTOMATIC VENTILATOR. ALFRED A. GILMORE, Preston, Ontario, Canada. Filed July 9, 1923. Serial No. 650,294. 15 Claims. (Cl. 98—31.)



1. In a ventilator, the combination of a casing having a passageway therethrough, a damper in said passageway normally held by gravity in position to permit a maximum circulation of air, but operable by a current of air through the passageway in either direction to progressively close the passageway as the velocity of the current increases, said damper when swung to the limit of its movement in either direction engaging the lower wall of the casing to close the passageway beneath the damper, but always leaving a restricted passageway above the damper in all positions of the latter.

1,499,979. TUNING DEVICE FOR WIRELESS RECEIVING CIRCUITS. COLEMAN MULFORD GRAY, Del Mar, Calif. Filed Aug. 15, 1921. Serial No. 492,385. 12 Claims. (Cl. 171—242.)



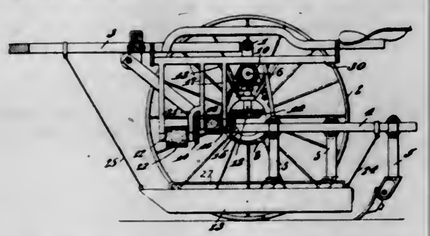
1. A device of the character described comprising a fixed coil, a second coil mounted for rotation and arranged in inductive relation to the fixed coil, and a third coil mounted for rotation and having relatively few turns as compared to the second coil, said third coil being arranged in series with the second coil and in inductive relation to it.

1,499,980. FRAMEWORK FOR AIRCRAFT AND OTHER STRUCTURES. FREDERICK MICHAEL GREEN, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Park Side, Coventry, England. Filed Nov. 21, 1923. Serial No. 676,146. 3 Claims. (Cl. 244—31.)



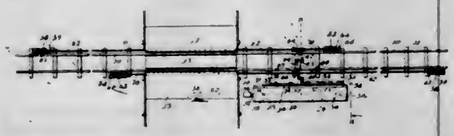
1. In framework, an edge member of open channel section, a rib, a head on said rib lying in said channel, and means for pinching together the edges of the channel on each side of the rib.

1,499,981. BOLL-WEEVIL COLLECTOR. JOSEPH H. HANCOCK, Scottsboro, Ala. Filed Sept. 26, 1922. Serial No. 590,694. 2 Claims. (Cl. 43—142.)



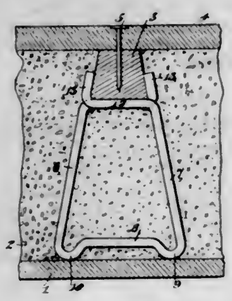
1. A machine of the class described including spaced pans, means for supporting the same, separate brushes supported above the space between the pans and rotatable about parallel superposed axes, one of said brushes being in advance of the other, and means for simultaneously rotating the brushes in different directions respectively.

1,499,982. AUTOMATIC RAILROAD SIGNAL. ALLEN B. HARPER, Tipton, Ind. Filed Apr. 5, 1924. Serial No. 704,480. 7 Claims. (Cl. 246—293.)



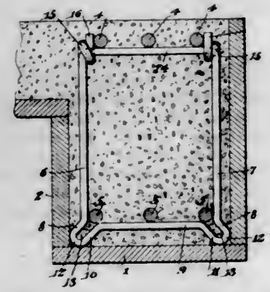
2. In an apparatus of the class described, a support including a guide track having seats at the ends, a traveller movable on said track and adapted to be alternately engaged in said seats, a signal device associated with said traveller, reversely operating compression springs connected to said traveller, an operating member adapted to alternately transfer said traveller to opposite ends of said track and to alternately compress said springs prior to said transfer and releasing the springs when the transfer is completed to cause the reaction of the spring to move the traveller over the track and alternately project and withdraw the signal.

1,499,983. SLEEPER SUPPORT. STEPHEN L. HEIDRICH, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 615,758. 12 Claims. (Cl. 72—122.)



1. A device for the purpose set forth comprising a pair of oppositely extending supporting elements, a combined coupling and supporting bar connecting said elements together at the top thereof, and each of said elements provided at its top with a combined supporting and locking bar for a sleeper.

1,499,984. SUPPORT. STEPHEN L. HEIDRICH, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 615,759. 6 Claims. (Cl. 72—122.)



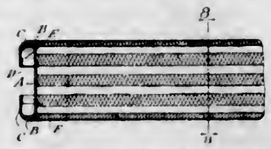
1. A support for the purpose set forth comprising a pair of supporting elements, a coupling bar connecting the upper portions of said elements together, and each of said elements extended around said coupling bar to provide a vertically disposed stop, and each of said elements being substantially rectangular in contour and having each lower corner thereof extended outwardly at an inclination and with its base positioned above said extended corners.

1,499,985. SHEET-STEEL ARTICLE AND METHOD OF MAKING SAME. CHARLES W. KIRSCH, Sturgis, Mich., assignor to Kirsch Manufacturing Company, Sturgis, Mich., a Corporation of Michigan. Filed Feb. 4, 1924. Serial No. 690,518. 28 Claims. (Cl. 29—180.)

1. A sheet-steel article such as a channeled strip or the like made from a blank normally too resilient to be adapted for forming into said articles to adapt the latter to maintain their shapes under loads or stresses for which they are intended, said blank being bodily distorted to present minutely pitted and puckered surfaces and possessing suitably reduced resiliency and thereby adapted for shaping as aforesaid, to produce said articles.

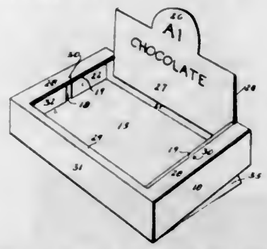


1,499,986. CHANNELED STRIP SUCH AS CURTAIN RODS OR THE LIKE. CHARLES W. KIRSCH, Sturgis, Mich., assignor to Kirsch Manufacturing Company, Sturgis, Mich., a Corporation of Michigan. Filed Feb. 4, 1924. Serial No. 690,519. 9 Claims. (Cl. 156—19.)



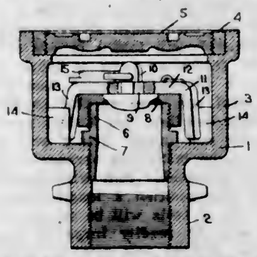
5. A channeled structure, such as a curtain rod, formed of sheet metal normally soft to facilitate bending but insufficiently rigid for ultimate purposes, hardened in spaced but closely associated areas to afford the strength required, the hardened areas, also serving in creating surface ornamentation.

1,499,987. DISPLAY BOX. FRANK L. ROE, Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,713. 12 Claims. (Cl. 206—44.)



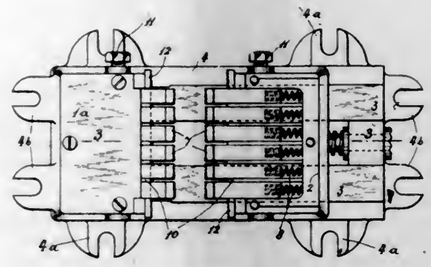
1. A display box stamped from a single blank of paper, including means for supporting said box at a proper display angle; a display panel extending upwards from one edge of said box; a side ledge on the upper face of said box; and means bearing on and extending beyond said ledge for retaining said panel in position.

1,499,988. LOCKING CLOSURE FOR CONTAINERS. MARK A. LAWTON, Newton, Mass. Filed Jan. 12, 1923. Serial No. 612,286. 4 Claims. (Cl. 220—39.)



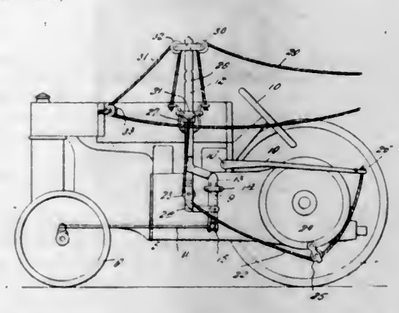
1. A locking closure for a container having an opening, comprising a housing surrounding the opening, a removable top for the housing, a removable cap for the opening, a stationary abutment within the housing, and means carried by the cap and angularly adjustable thereon for engagement with said abutment and locking the cap against removal.

1,499,989. VISE FOR USE WITH MACHINE TOOLS. FRANZ LEHMANN, Altstetten, Switzerland. Filed Apr. 20, 1923. Serial No. 633,504. 4 Claims. (Cl. 90—60.)



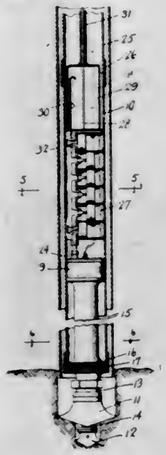
1. In the herein-described vise for use with machine-tools, the combination, with a base-plate adapted to be secured to the carrier plate of the machine-tool and provided with a slide-rest, of two housings with detachable covers mounted opposite each other on said slide-rest, means to permit of a sliding movement of at least one of the housings in relation to the other, a series of spring-controlled clamping jaws located in and guided by each of the said housings and projecting through the inner and open end thereof, and means to fix the clamping jaws in position.

1,499,990. DISTANCE-CONTROL MECHANISM FOR TRACTORS. EVERETT LITTON, Woodhull, Ill. Filed July 31, 1923. Serial No. 654,832. 1 Claim. (Cl. 180—77.)



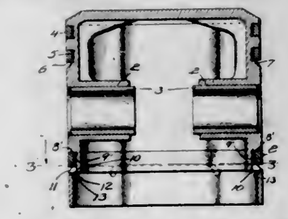
A tractor control attachment including a lever having its lower end provided with means for attaching the same rigidly to the longitudinal swinging depending operating arm of the tractor steering mechanism, a slide movable longitudinally of said lever, means to operatively connect said slide to the clutch pedal of the tractor whereby upward movement of the slide will cause depression of said clutch pedal for throwing the tractor out of gear, and means associated with the lever and with the slide for selectively swinging the lever in either direction, said last-named means being simultaneously operable for raising the slide to operate the clutch pedal without swinging said lever, the connection between the slide and the clutch pedal including rigidly connected long and short arms, the short arm being flexibly connected to the clutch pedal, and the long arm being flexibly connected to the slide.

1,499,991. DRILL. HENRY W. LOUDEN, Jr., Beaumont, Tex. Filed Apr. 18, 1922. Serial No. 554,465. 2 Claims. (Cl. 255—4.)



1. A drill of the character described comprising a jacket, a pair of superposed drills, spindles supporting the drills and arranged one within the other, a tubular bearing for the outermost spindle, said bearing being arranged within and connected to said jacket, a gear on each of said spindles, a pinion arranged between and meshing with said gears, a motor for rotating said pinion whereby the drills and spindles are rapidly rotated in opposite directions.

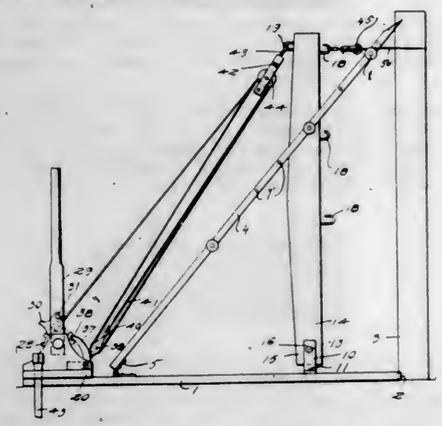
1,499,992. EXPLOSION-ENGINE PISTON. GILBERT W. LYNCH, Morgantown, W. Va. Filed Oct. 23, 1922. Serial No. 596,307. 2 Claims. (Cl. 74—109.)



1. A piston having its body portion formed with a peripheral piston ring receiving groove, said groove having an upper, an inner vertical and a lower wall, said lower wall having its inner portion parallel to said upper wall and its outer portion bevelled and with its outer terminus spaced a greater distance from the upper wall than the inner terminus thereof, said lower wall having a plurality of radially disposed passages cut from the outer terminus of the bevelled portion inward to a point parallel with the said vertical wall, and communicating with the interior of the piston body, and said body portion having its inner face below said groove formed with semi-circular channels extending upwardly and outwardly and communicating with said passages.

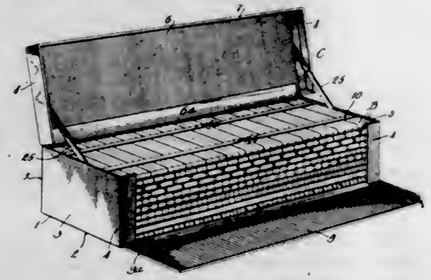
1,499,993. WIRE STRETCHER. JAMES M. MARTIN, Hartley, Ark., assignor of one-half to William S. Capeheart, Vandervoort, Ark. Filed Mar. 5, 1923. Serial No. 622,887. 5 Claims. (Cl. 254—103.)

5. A wire fence stretcher including a base, a stretcher bar pivotally mounted on said base at one end thereof, spaced hooks on the inner longitudinal side of said stretcher bar, a brace pivoted to said base, said brace having a longitudinal slot for receiving said stretcher bar, fence wire supporting members spacedly mounted on said edges of said brace, fence wire clamping means associated with the hooks on said stretcher bar, a plate on the opposite end of said base, a windlass supported on said plate, a pulley wheel swivelly mounted on said plate,



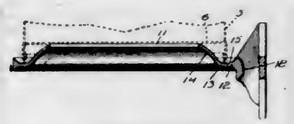
a second pulley carried by the upper end of the stretcher bar, a cable secured to the first mentioned pulley and associated with the two pulleys and secured at its opposite end to the windlass for operating the stretcher bar and wire fence clamping means, and anchoring means associated with the plate for holding the wire stretcher in a stationary position.

1,499,994. SPECIAL TEXTILE-FABRIC PACKAGE. LAURENCE MARX, New Rochelle, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y., a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,732. 5 Claims. (Cl. 206—44.)



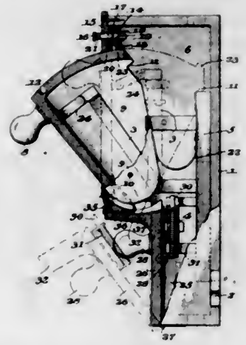
1. A textile fabric package comprising a plurality of lengths of fabric each much shorter than the conventional bolt, each length folded into a rectangular bolt of fabric, the respective bolts of fabric differing from one another to provide a varied assortment and the bolts being piled one upon another to form a package of a size easily handled, and a dust proof casing normally enclosing and snugly fitting around the pile of bolts in which the latter are arranged lengthwise, said casing having a movable wall whereby when the same is moved to open position a longitudinal edge of each bolt of the pile of bolts will be exposed so that all of the fabrics may be readily inspected and a selection made and the selected bolt removed without removing the other bolts of the pile and whereby said movable wall may then be moved to closed position to protect the remaining bolts.

1,499,995. QUILL-CAN SUPPORT. CHARLES W. MERRITT, Walhalla, S. C., assignor to J. R. Earle, Jr., Walhalla, S. C. Filed Oct. 7, 1922. Serial No. 593,039. 1 Claim. (Cl. 248—20.)



A quill can support comprising a body portion provided with an opening, said body portion being curved in cross section to provide a pocket surrounding said opening and further having the inner part thereof extending above the outer part, the wall of said pocket being shaped to form a continuous seat for supporting the bottom edges of the body of quill cans of varying sizes, the upper terminus of the inner part of said body portion forming a support for the bottom of the quill can, and means for securing said body portion in position to support a quill can relative to the bobbins of a loom to receive the seconds and wastes from the bobbins.

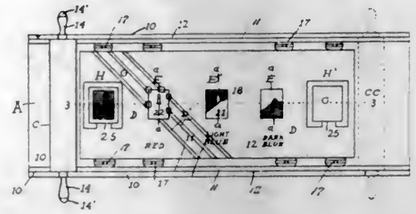
1,499,996. SAFETY SWITCH BOX. FELIX REID OBERLANDER, Salt Lake City, Utah. Filed Mar. 7, 1921. Serial No. 450,457. 6 Claims. (Cl. 200—50.)



2. In a safety switch box, the combination with a movable closure adapted for actuating and for affording access to the switch, of another closure affording access to the fuses for the switch, and interlocking devices whereby the opening and closing of the second closure is controlled by the position of the first closure, said box being adapted to be applied to a previously installed switch and its fuses and, together with said closures, and interlocking means, constituting a self-contained unitary combined safety and operating appliance therefor.

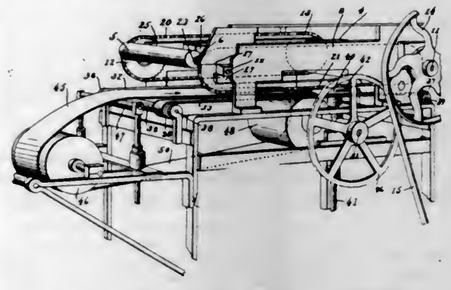
1,499,997. METHOD AND APPARATUS FOR PRINTING MULTICOLOR OPTICAL SLIDES. JOHN JOSEPH ORMOND, Mattapan, Boston, Mass., assignor to John Joseph Ormond, Joseph J. Callahan, and Herbert A. Gillman, as trustees of the Ormond Multicolor Printing Company, a Common Law Trust of Massachusetts. Filed Aug. 29, 1921, Serial No. 497,705. Renewed May 13, 1924. 3 Claims. (Cl. 101—252.)

1. In a process of printing a multicolor design on a sheet or plate in which a transfer printing roller having a relatively soft surface is caused to roll over a series of printing plates each having a printing surface adapted to print a particular portion only of the design, to take up ink therefrom, said printing plates being suitably spaced apart, regulating the rotation of the



transfer printing roller by contact of its relatively soft surface with a guide surface of relatively hard material extending longitudinally of the series of printing plates.

1,499,998. METHOD OF AND MACHINE FOR PRINTING BY TRANSFER. JOHN JOSEPH ORMOND, Mattapan, Boston, Mass., assignor to John Joseph Ormond, Joseph J. Callahan, and Herbert A. Gillman, as trustees of The Ormond Multicolor Printing Company, a Common Law Trust of Massachusetts. Filed July 25, 1923. Serial No. 653,727. 24 Claims. (Cl. 101—187.)

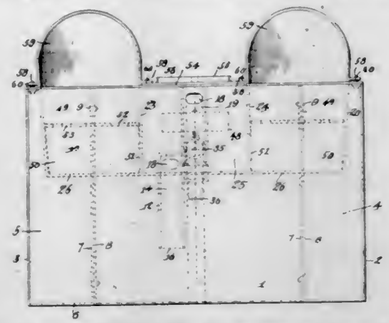


10. In a machine for printing by transfer, a base plate provided on its upper face with parallel longitudinal guide rails, one near each edge, and adapted to support, between the guide rails, printing plates and a holder for an article to be printed, a transfer printing roller adapted to extend across the base plate having its surface of resilient material adapted to take up ink from the inked surface of a printing plate and having portions of its resilient surface in line with and adapted to engage the guide rails to cause and determine the rotation of the roller as it is moved over the base plate, and means for bodily moving the roller over the base plate and returning it to initial position by a continuous movement, said moving means being adapted to permit free rotation of the roller.

1,499,999. STOCK-WATERING DEVICE. THOMAS RITCHIE, Cedar, Iowa, assignor to Robert H. Ritchie, Oskaloosa, Iowa. Filed June 4, 1923. Serial No. 643,378. 3 Claims. (Cl. 119—73.)

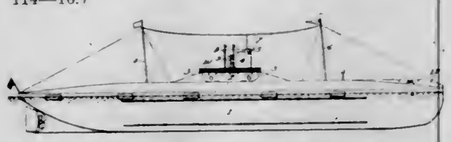
1. A stock watering device comprising a housing, an open top receptacle suspended therein and providing in connection therewith a heating chamber, said receptacle having a pair of integral transversely extending spaced partitions to form a centrally disposed water inlet chamber and a trough at each side of the chamber, said chamber and troughs of the same depth, each of said partitions having the upper portion thereof provided with means to provide for the supplying of water from the chamber to the troughs, a closure for the water chamber, and an angle shaped element mounted in each

trough and including a rear vertically disposed supporting portion terminating at its upper end in a forwardly extending horizontally disposed portion arranged below



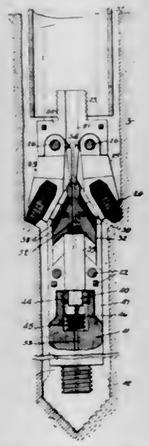
said means and dividing the trough into an upper drinking and a lower dirt collecting chamber, the horizontal portion of said element being lengthwise slotted.

1,500,000. SUBMERSIBLE VESSEL FOR NAVIGATION UNDER ICE. SIMON LAKE, Milford, Conn. Filed Sept. 10, 1920. Serial No. 409,371. 7 Claims. (Cl. 114—16.)



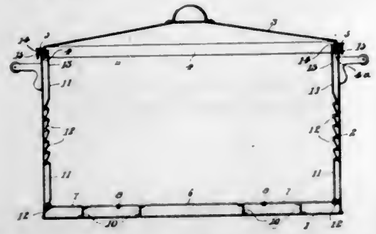
1. In a submersible vessel, a hull, a super-structure mounted thereon and extending above the upper surface thereof, and a plow extending from said superstructure.

1,500,001. WELL-BORING TOOL. WALTER JOHN ROGERS, Houston, Tex. Filed Mar. 30, 1923. Serial No. 628,872. 3 Claims. (Cl. 255—76.)



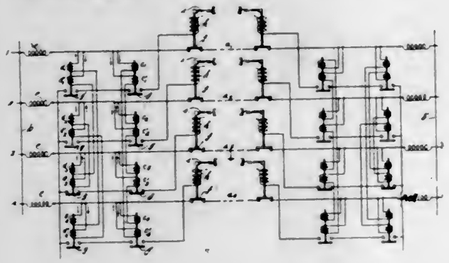
1. In a well boring tool, a body, reamers movable laterally with respect thereto, a spreader for actuating said reamers, said spreader having opposed inclined surfaces for engagement with said reamers as the same are actuated in one direction, and means secured to said surfaces for regulating the amount of movement of said reamers in said direction.

1,500,002. BOILER. ANDRÁS RUSINSKI, Fenton, Mich. Filed Apr. 14, 1923. Serial No. 632,073. 1 Claim. (Cl. 68—30.)



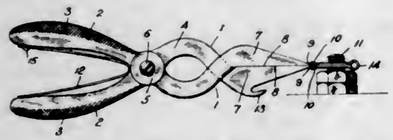
In a device of the class described, a boiler, a false bottom therefor formed of hinged sections carrying angle strips spacing the same from the boiler bottom, and a lifting handle connected to the outer end of each end section of the false bottom, each lifting handle including a rod articulated to the outer end of an end section of the false bottom and having a plurality of bends intermediate its ends forming hooks for engaging the upper edge of the boiler, the upper end of each handle rod being forked and a part thereof bent to extend horizontally and a hand grip extending between the horizontal portions.

1,500,003. ARRANGEMENT FOR LOCALIZING DISTURBED AREAS IN ELECTRIC MAINS. PAUL SCHADE, Hermsdorf, near Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 3, 1922. Serial No. 558,224. 6 Claims. (Cl. 175—294.)



1. A system of the class described comprising a bus bar, a plurality of conductors arranged to be interconnected with said bus bar, a plurality of switches each arranged to connect one of said conductors to said bus bar, and means comprising a plurality of closed circuits each arranged to interconnect all of said conductors in different succession for selectively operating said switches to disconnect any conductor in which a fault occurs.

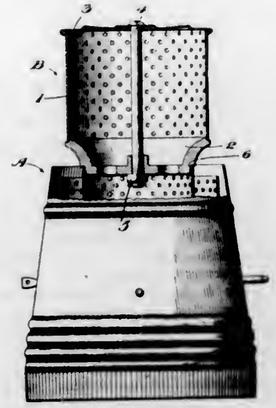
1,500,004. COTTER-PIN EXPANDER AND PULLER. JOSEPH M. SEDIVEC, May, Idaho. Filed Aug. 14, 1923. Serial No. 657,293. 3 Claims. (Cl. 81—3.)



1. A cotter pin expanding device, comprising a pair of sinuously curved levers, which cross each other at two points, handles at one end of the levers, spring means for separating the handles, means for pivoting the levers together at one of the crossing points, and

flat tapering jaws provided at the ends of the levers remote from the handles, said jaws having opposed, flat inner faces which are held normally in contact by said spring means, the extremities of the jaws being tapered to an edge extending the full width of the jaws.

1,500,005. BURNER ATTACHMENT. HENRY M. SHEER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed June 10, 1922. Serial No. 567,451. 2 Claims. (Cl. 158—86.)



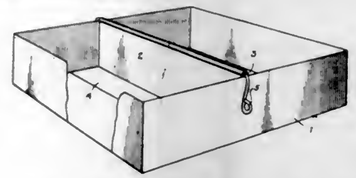
2. A device of the character described including a burner and an extension composed of a flaring base open at the top and having orifices in the bottom, adapted to be removably supported on the burner, an imperforate top, a reticulated cylinder between the base and top, and means for clamping said parts of the extension rigidly together.

1,500,006. WINDOW CLEANER. GEORGE C. SHERMAN, Geneva, N. Y. Filed July 12, 1922. Serial No. 574,576. 3 Claims. (Cl. 15—232.)



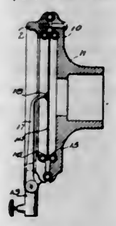
1. A window cleaner comprising a flat head having apertures adjacent to its edges and also having stops at the upper portion of its back, a pad arranged against a face of said head and lapped over the edges thereof and attached to the head by means passing through said apertures, a swinging plate pivotally connected to the head at the back thereof and arranged to cooperate with said stops and having a pivot bearing at its upper edges, and a handle journaled in the said pivot bearing and thereby pivotally connected to the said swinging plate; the said handle being resilient.

1,500,007. RECEPTACLE. HENRIETTA G. SIBBALD, Duluth, Minn. Filed July 30, 1923. Serial No. 654,538. 1 Claim. (Cl. 220—22.)



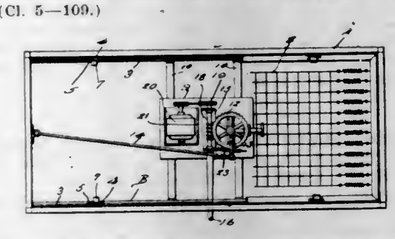
A removable division wall for receptacles comprising a piece of sheet metal bent upon itself to form the vertical portion thereof and turned outwardly at right angles to the vertical portion along the line of its base, and a piece of spring wire embedded within the upper extremity of the folded portion, said wire extending beyond the ends of the wall and bent downwardly substantially parallel thereto and sprung inwardly so as to yieldingly engage the side of the receptacle to which the division wall is applied to form holding means for the division wall.

1,500,008. SOUND REPRODUCER. GEORGE W. SLIGHT, Brooklyn, N. Y. Filed July 15, 1922. Serial No. 575,241. 1 Claim. (Cl. 274—35.)



A sound box for recording and reproducing machines, comprising a two-section casing, said sections having circumferential grooves provided in their inner faces and located in alinement near their peripheries, a stylus arm carried by one section of the casing, means formed on the other section of the casing for connecting it to a tone arm, an annular resilient member mounted in the circumferential grooves between the casing sections, means connecting the sections, a pair of annular resilient members mounted in the casing, and a diaphragm positioned between said annular resilient members.

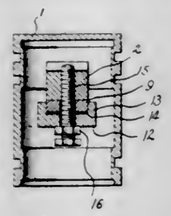
1,500,009. CRIB. POMPILIO SMALDONE, New York, N. Y. Filed May 23, 1923. Serial No. 640,933. 1 Claim. (Cl. 5—109.)



A crib of the class described comprising a lower part including a frame and legs, a track on the frame, an upper part, brackets connected with the upper part, rollers carried by the brackets for engaging the track, pins carried by the brackets and extending under the frame of the lower part, horizontal parts on the brackets for supporting the bed springs, a platform supported by the frame of the lower part, a horizontally arranged gear mounted on the platform and having a crank thereon, a pitman connecting the crank with the upper

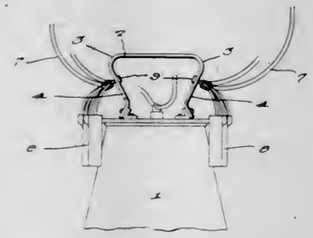
part, a motor on the platform, means for transmitting the movement of the motor to the gear, and manually operated means for disconnecting the motor from the gear when desired.

1,500,010. PISTON AND ROD. TRACY M. SMITH and JACOB F. WERHOSEK, Morris, Ill. Filed Feb. 28, 1923. Serial No. 621,908. 1 Claim. (Cl. 74—108.)



A hollow piston for the cylinders of internal combustion engines having oppositely arranged lugs cast with the sides thereof, and a removable bearing for the ball head of a piston rod, said bearing comprising a member having a semi-spherical control portion and lateral arms extending therefrom to underlie the lugs, and a cap which also has its upper portion semi-spherical and provided with an opening for the piston rod, said cap having laterally extended arms provided at their edges with upturned flanges forming pockets for the first mentioned arms, shims in the pockets, means for removably and adjustably securing the arms to the lugs, and said cap comprising two similar sections.

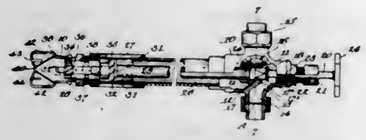
1,500,011. HANDLE. WILLIAM H. SMITH, Lavalle, Wis. Filed Aug. 6, 1923. Serial No. 655,975. 4 Claims. (Cl. 31—70.)



1. The combination with a milk receiving can of a milking apparatus provided with a handle whose sides are inclined inwardly and have downwardly directed keyhole slots therethrough, and teat cups having buttons to be received in the keyhole slots for supporting the teat cups on the handle.

1,500,012. LIQUID-FUEL BURNER. EARLE I. STAPLES, New York, N. Y. Filed Mar. 31, 1923. Serial No. 629,075. 1 Claim. (Cl. 158—75.)

A liquid fuel burner, a cylindrical chamber having an inlet opening at one end adapted to be arranged in communication with a source of steam or air, a tip arranged upon the outer end of the cylindrical chamber and having a plurality of slots therein, a pair of divergent plates arranged in the tip and disposed in the path of a combustible mixture passing through the tubular chamber, the plates having openings therein, a tube arranged in the cylindrical casing and having one end closed and its other end in communication with a source of liquid fuel, and provided with a plurality of outlet openings adjacent its closed end, a circular head carried by the tube intermediate its ends and being of a diameter equal to the diameter of the cylindrical chamber, and provided with a plurality of parallel radial ports in its periphery through which the steam or air passes, an annular element arranged in the cylindrical casing

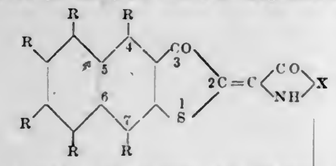


adjacent the tip, and a second head carried by the tube adjacent its closed end and being of a diameter to be received in the bushing and also having radial slots through which the combustible mixture passes to thoroughly mix the latter before it passes into the tip.

1,500,013. INDIGOID VAT DYESTUFF AND PROCESS OF MAKING SAME. KARL THIESS, Lindlingen, near Hochst-on-the-Main, and CARL JOSEF MÜLLER, Hochst-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Apr. 17, 1924. Serial No. 707,284. 2 Claims. (Cl. 260—53.)

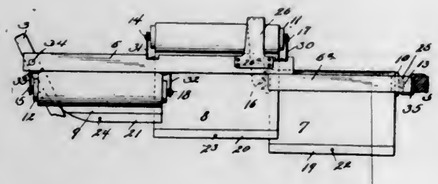
1. The process of preparing indigoid vat-dyestuffs which consists in condensing a halogen substituted 5.6-benzo-3-ketodihydro-1-thionaphthene with the reactive α-derivatives of the naphthisatines which condensation product may be subsequently halogenated.

2. As new products, the bodies of the general formula:



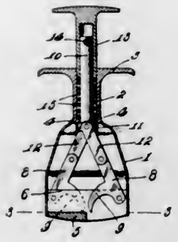
wherein R stands for hydrogen and halogen, at least one R being halogen, and X stands for a naphthalene residue, which may be substituted.

1,500,014. CURTAIN FOR AUTOMOBILES. EDWARD J. THURBER, New Orleans, La. Filed Oct. 4, 1923. Serial No. 666,559. 9 Claims. (Cl. 296—143.)



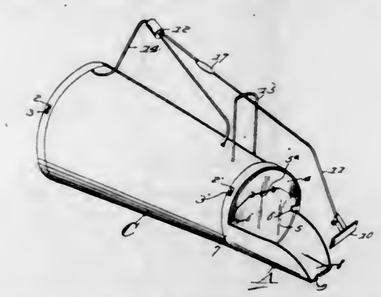
8. Curtain structure of the character described comprising a set of three roller curtains mounted with their axes of rotation positioned substantially at the three points of a triangle as viewed endwise, the rollers of two of said curtains being relatively displaced vertically and the roller of the third curtain being displaced laterally of the plane occupied by the rollers of said curtains, and one of said rollers being revoluble in a reverse direction relatively to the direction of rotation of the other rollers in unwinding whereby the portions of the peripheries of the rollers from which the curtains unwind lie in substantially the same vertical plane.

1,500,015. MILK-BOTTLE OPENER. CARLO DI TOSTO, Fairmont, W. Va. Filed Sept. 26, 1923. Serial No. 661,994. 1 Claim. (Cl. 65—47.)



A bottle opener of the character described comprising a hollow body, a hollow stem rising therefrom, diametrically oppositely disposed members extending from said stem to provide a handle, a plate closing the lower end of the body and having diagonally disposed slots formed therein, a rib traversing the inner face of the plate and separating the slots, a plunger slidably mounted in the hollow stem, a bar secured at its upper end to the plunger, a head formed on the lower end of said bar, links connected in pairs and secured to the opposite sides of the head, inwardly curved portions projecting from the lowermost lengths and being movable through the slots and a coil spring arranged between the lower end of the plunger and a portion of the body for the purpose specified.

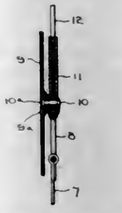
1,500,016. BERRY PICKER. RICHARD C. TRAYHORN, Binghamton, N. Y. Filed Apr. 17, 1922. Serial No. 553,562. 1 Claim. (Cl. 56—331.)



A device of the class described comprising a container provided with an entrance opening, a chute extending outwardly from the container and associated with the entrance opening, an outstanding hand grasp carried by the container, an elongated resilient arm having one end portion anchored to the hand grasp, the opposite end portion of said resilient member overlying the chute, a blade engaged with said second named end portion of the resilient member, and an outsanding guide loop carried by the container through which the resilient member is disposed.

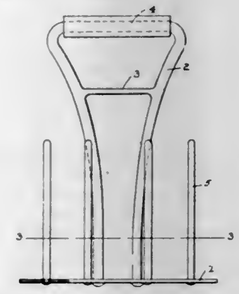
1,500,017. SHIELD FOR SUSPENDERS OF TROUSERS. ROBERT AUGUST OTTO WALTER, Mangawhare, Auckland, New Zealand. Filed June 16, 1922. Serial No. 568,891. 1 Claim. (Cl. 241—12.)

A device of the character described including in combination suspender braces, a webbing arranged thereon having a looped portion, a plurality of tabs, a ring supporting the tabs and engaged in the looped portion of the webbing so as to be maintained in vertical alignment therewith, a circular flexible shield of celluloid having a central depression, the opposite face of which forms a bearing, a fastener serving to rotatably mount the shield on the webbing and for fastening the webbing



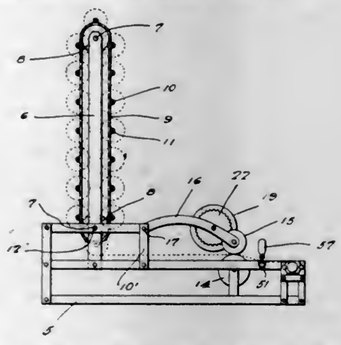
to the braces, and a head on the fastener lying within the plane of the outer surface of the shield, substantially as and for the purposes set forth.

1,500,018. HOLDER. JOHN R. WHITAKER, Norton, Va. Filed Apr. 8, 1922. Serial No. 550,747. 1 Claim. (Cl. 224—48.)



A device of the class described comprising a base, uprights having their lower ends secured thereto, said uprights being adapted to receive nuts and the like, an inverted U-shaped handle having its ends connected with the central part of the base and a cross piece adjacent the upper end of the handle for bracing the handle and for supporting objects.

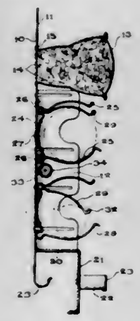
1,500,019. MEASURING AND CUTTING MACHINE. JOSEPH F. WIESNER, Ellis, Kans. Filed Jan. 24, 1923. Serial No. 614,653. 4 Claims. (Cl. 33—130.)



1. In a machine of the class described, a supporting frame, bearings for supporting the roll of fabric, a cutting mechanism, a hollow slotted winding roll rotatably mounted in said frame, means operable within the hollow winding roll for clamping engagement with the fabric, a spring pressed combined driving and coupling member, means whereby the coupling member may be ro-

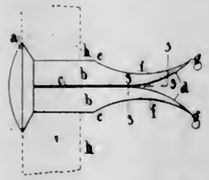
tated, an insert member engaged within the end of the winding roll and having a substantially rectangular opening therein, a longitudinally movable combined driving and coupling member detachably mounted upon the frame, means located at one end of said member for removable engagement within the opening of the insert member and means located at the opposite end of the coupling member whereby the latter may be rotated.

1,500,020. SPOOL HOLDER. DAVID C. WILLIAMS, Benton, Ill. Filed Mar. 3, 1923. Serial No. 622,600. 1 Claim. (Cl. 242—134.)



A device of the character described comprising a rear wall and vertical side walls extending therefrom, a split cylindrical member supported between the side walls and adapted to receive a revoluble object therebetween, the split cylindrical member being provided with a longitudinal depression at one side thereof, and a transversely bowed plate arranged within the split cylindrical member, beads formed on one end thereof and loosely received in the depression for pivotal movement, said plate normally resting upon the revoluble object arranged within the cylindrical casing to prevent the same from rotating too freely.

1,500,021. RIVET OR CLIP. WALTER GORDON WILSON, Farningham, England. Filed Feb. 13, 1922. Serial No. 536,293. 1 Claim. (Cl. 85—38.)



A self-securing bifurcated rivet comprising a shank split from one end towards the other, a head at such other end the split end forming a pair of tapered prongs, said prongs having both inside and outside faces curved outwardly at their free ends and the outside faces progressively reduced, whereby an initial directional set is given to the prongs which when driven into the material are embedded therein the prongs spreading apart laterally and upwardly into the material with relatively little downward penetration.

1,500,022. CURTAIN FASTENER. DAVID J. WOODWARD, San Antonio, Tex. Filed Mar. 20, 1922. Serial No. 545,391. 8 Claims. (Cl. 296—138.)

1. In combination with a structure having an opening, retaining devices located to one side of said opening near the top and bottom thereof, respectively, a flexible closure for said opening having an unattached edge portion, and a bar secured to such edge portion of the curtain, said



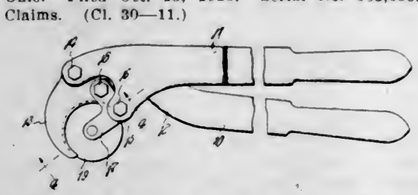
bar being slidably and pivotally mounted on the upper retaining device and slidably and detachably engaged with the lower retaining device.

1,500,023. GARBAGE RECEPTACLE. CALVIN WURZLOW, Houma, La. Filed June 8, 1922. Serial No. 566,705. 1 Claim. (Cl. 220—41.)



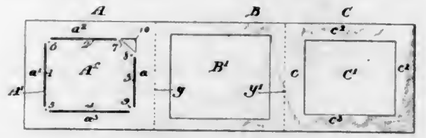
The combination with a receptacle having an open end provided with a groove and a slot through which the cover may be slid, said slot having a notch, of a cover and a cleat connected therewith, and which cleat, when swung in alignment with the notch, will admit of the cover being removed, and, when out of said position, will prevent its being removed.

1,500,024. SHEARS. WILLIAM H. LUTZ, Sugar Grove, Ohio. Filed Oct. 15, 1923. Serial No. 668,658. 3 Claims. (Cl. 30—11.)



1. A pruning shears comprising a pair of pivotally connected handles, a hook like terminal on one handle, a link having pivotal connection with the last mentioned handle at a point adjacent said terminal and also with the other of said handle at a point adjacent their pivotal connection, and a cutting disk carried by said link and cooperating with said hook like terminal for the purpose specified.

1,500,025. LANTERN SLIDE. ALVIN L. MAYER, Long Island City, N. Y. Filed Apr. 9, 1923. Serial No. 631,025. 11 Claims. (Cl. 88—26.)



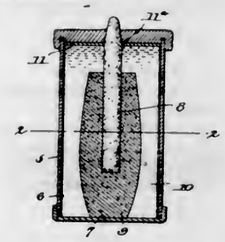
1. A lantern slide comprising three permanently joined sections or layers folded the one upon the other formed from a single piece of material and each having a projection opening in it, the opening in the middle section being of greater area than the openings in the other sections and a transparent member closely fitted in the opening of the middle section and which is overlapped on opposite sides by the marginal parts of the other sections.

1,500,026. METHOD OF TREATING SILK STOCKINGS. EDWARD MENDELSOHN, New York, N. Y., assignor to Lansdale Silk Hosiery Co., Inc., Lansdale, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1924. Serial No. 704,292. 3 Claims. (Cl. 91—68.)

1. The process of treating silk stockings to render them stronger and more sheer in appearance, which consists in subjecting them to the action of an alum solution and thereafter subjecting them to the action of the soluble soap solution.

3. The herein described method of treating silk fabrics to increase the strength, durability and sheer appearance which consists in subjecting them to the action of relatively strong alum solution and thereafter subjecting them to the action of a relatively weak soluble soap solution, to harden and compact the threads and thereby increase the size of the apertures between the threads.

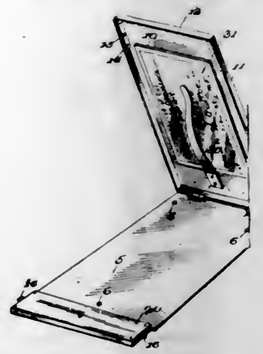
1,500,027. BATTERY. ANTHONY MORCH, Brooklyn, N. Y. Filed June 9, 1922. Serial No. 567,098. 5 Claims. (Cl. 204—29.)



1. The process of manufacturing a galvanic cell, which comprises, compounding an electrolyte mixture comprising a solution of sal ammoniac dissolved in ammonia, and a solution of sal ammoniac, dissolved in yellow dextrin, heating the second named solution to effect gelatinization, introducing the solutions and a depolarizing core into a card board cylinder, closing one end of the cylinder with a zinc cap and closing the opposite end of the cylinder with a cardboard disc and a plastic composition consisting of red lead and rosin.

1,500,028. CARD CONTAINER. FRANCIS G. MORRISON, Washington, D. C. Filed Dec. 11, 1922. Serial No. 606,331. 3 Claims. (Cl. 40—15.)

1. A card container for automobiles comprising a flat metallic back plate adapted to be flatly secured to a portion of an auto, a combined cover and card support hinged to one end of the back plate and having side and end flanges to extend over the edges of the back plate for excluding water and for concealing the contents of the container, and a longitudinally curved leaf spring secured to said combined cover and card support for



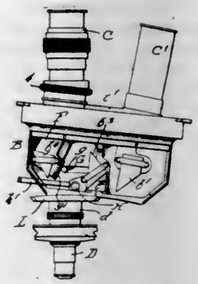
holding the card flatly in engagement with the cover, the intermediate portion of the spring being bowed into engagement with the back plate whereby the spring urges the combined cover and card-support to open position.

1,500,029. HANDLE. HARRY CONRAD OLIVER, Naperville, Ill. Filed Jan. 15, 1923. Serial No. 612,708. 1 Claim. (Cl. 190—57.)



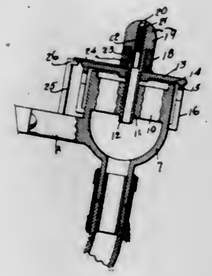
A handle for the purpose specified, the same comprising a substantially rectangular leather body having straps extending centrally from the ends thereof, buckles on said straps, a compressible hollow core arranged centrally in the body, said core being arched longitudinally, and said body being brought over the core and the edges of the body stitched together.

1,500,030. MICROSCOPE. HARVEY N. OTT, Buffalo, N. Y., assignor to Spencer Lens Co., Buffalo, N. Y. Filed July 5, 1923. Serial No. 649,546. 29 Claims. (Cl. 88—39.)



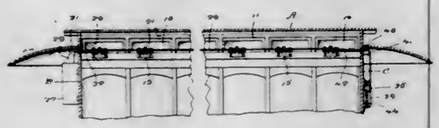
27. A convertible microscope having an objective and a pair of eyepiece tubes, said objective and eyepiece tubes being relatively movable into a position for binocular observation and into another position in which one of said eyepiece tubes is in operative relation to said objective for monocular observation.

1,500,031. AUXILIARY AIR INTAKE FOR INTERNAL-COMBUSTION ENGINES. JACK PHILLIPS, New York, N. Y. Filed Oct. 18, 1921. Serial No. 508,450. 7 Claims. (Cl. 277—55.)



1. An auxiliary intake for internal combustion engines comprising a cup, a tubular member for connecting said cup with the intake manifold of said engine, said cup having a spider therein formed with a threaded bore, an externally threaded pipe screwed into said bore, said pipe having a clamping head, a spring pressed ball acting as a valve arranged in said pipe whereby the pipe acts as an automatic intake for a small quantity of air, a cap connected with said pipe and rotatable therewith whereby when the pipe is rotated the cap will be rotated and move toward or from the bowl so as to admit more or less air, and a pair of stops associated with said cap and with the bowl for limiting the rotation of said cap, one of said stops being adjustable.

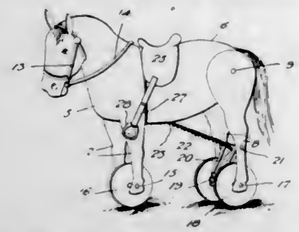
1,500,032. VENTILATING WINDOW. CONRAD POEHNER, Cincinnati, Ohio. Filed Feb. 14, 1922. Serial No. 536,511. 1 Claim. (Cl. 268—18.)



In a ventilating apparatus, a window frame having a plurality of openings, sashes hinged at one end of the openings for covering the same, brackets secured upon the sashes and each being of substantially U-shape including a major portion offset outwardly away from the sash and terminating in attaching feet secured thereto, other brackets secured upon the window frame at each opening, compound curved arms pivoted on said second named brackets and having offset ends carrying rollers engaged with the offset portions of said brackets between the same and the sashes, a rod pivotally connected with all of the arms, and means for moving said rod longitudinally.

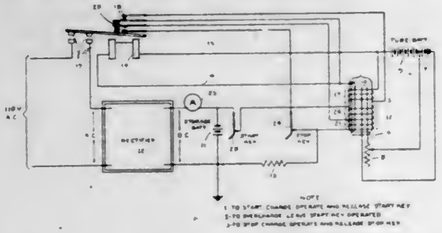
1,500,033. TOY HORSE. ARTHUR POLLMAN, New York, N. Y. Substitute for application Serial No. 202,665, filed Nov. 17, 1917. This application filed Jan. 29, 1923. Serial No. 615,679. 3 Claims. (Cl. 208—42.)

1. In a progressing hobby-horse, a hollow body comprising two hinged sections, a roller journaled between the legs at the lower ends thereof of the forward section, a shaft passing through the rear section and connected with the rear legs therefor, spaced rollers journaled on the said rear legs at the outer ends thereof, means for preventing the movement of the rollers in one direction, spring means between the rear legs and the body for normally retaining said legs at a determined angle with



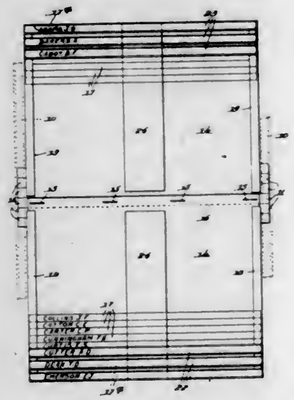
respect to the body, a normally horizontally disposed lever secured to the shaft, and means for limiting the downward swinging movement of such lever.

1,500,034. SYSTEM AND DEVICE FOR BATTERY CHARGING. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 641,884. 7 Claims. (Cl. 171—314.)



1. In a system of the class described, a source of current, an accumulator, a rectifying device interposed between said accumulator and said source of current, and means including a thermionic device for connecting said source of current to said rectifying device.

1,500,035. INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed Feb. 18, 1921. Serial No. 445,953. 10 Claims. (Cl. 129—16.)



1. An index comprising a main frame, a plurality of holders mounted on the main frame in overlapped, spaced relation with their free margins projecting one beyond another, and a series of index elements mounted on each holder, the endmost indexing element being on the projecting margin of the holder and normally exposed to view.

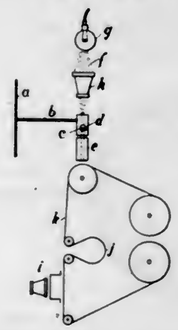
S. A holder for index strips comprising a body, a plurality of index strips arranged side by side on the body, means to hold said index strips at their ends, a pocket at the free edge of the body, and a protective shield extending across the index strips, one edge of the shield being held in said pocket.

1,500,036. DIRIGIBLE HEADLAMP. ALFRED RAY, Spring Valley, Wis. Filed May 18, 1923. Serial No. 639,919. 1 Claim. (Cl. 240—62.)



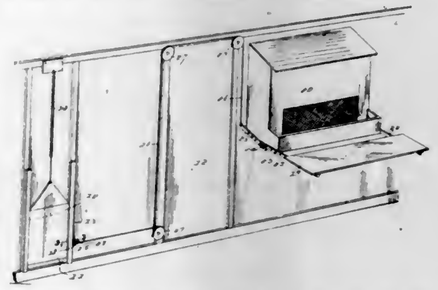
A headlamp mounting comprising a sectional ball socket member disposed upon the front axle, means for securing said socket member upon the axle, a support stationarily mounted at the forward portion of the vehicle and formed with a ball socket, a post formed of slidably and non-rotatably connected sections, said post terminating at its lower end in a ball head engaged within the first named socket and having its upper portion formed with a ball head engaged within the second named socket, a lamp supporting standard carried by the post, an arm slidably and non-rotatably mounted upon said post and terminating in a ball head, an adjustable rod having a socket connection with said last named ball head and terminating in a socket, and a ball member mounted upon the steering arm connecting rod of the vehicle and connected with said last named socket.

1,500,037. METHOD AND APPARATUS FOR PRODUCING MOVING PICTURES AND SOUND WAVES AT THE SAME TIME. EUGEN REISZ, Zehlendorf-Mitte, Germany. Filed May 25, 1921. Serial No. 472,616. 2 Claims. (Cl. 88—16.2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



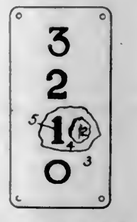
1. The method herein described of producing a film for a moving picture talking machine, consisting in simultaneously taking the pictures and photographically producing sound indicating marks on one edge of a film, placing said film on a chrome gelatine film and subjecting the films to the action of light while in contact with each other, whereby the pictures and marks will be produced in relief on the chrome gelatine film, and then subjecting the film to the action of a coloring solution whereby portions of the film will be rendered opaque.

1,500,038. HENHOUSE POULTRY RELEASE. BANNER J. ROBINSON, Prairieville, Mich. Filed Apr. 11, 1922. Serial No. 551,530. 1 Claim. (Cl. 119—22.)



A poultry release for henhouses and the like having a door yieldingly supported normally in its open position, a yieldable locking means for retaining the door in its closed position, a feed box, a perch having arms pivotally mounted on opposite sides of said feed box, one of said arms being counterweighted to counterbalance the weight of the perch, a rocking lever pivotally mounted on the feed box and having a pin and slot connection with the other arm, and flexible connections between the rocking lever and the locking means, whereby depression of the perch may release the locking means for the purpose specified.

1,500,039. INDICATOR PLATE. VICTOR SHUMAN, Philadelphia, Pa., assignor, by mesne assignments, to Louis J. Kolb, trading as Safetee Glass Company, Philadelphia, Pa. Filed Nov. 18, 1920. Serial No. 424,813. 4 Claims. (Cl. 40—135.)

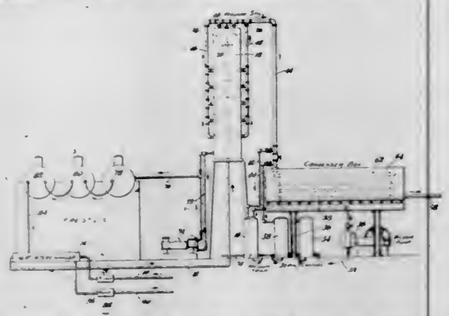


1. A device of the character stated, consisting of two plates of glass united to form a unitary structure by an interposed continuous translucent layer having its opposite surfaces directly attached to the opposing surfaces of the respective glass plates and thereby directly securing them together and hermetically sealing the space between them, and indicator character enclosed between the glass plates and closer to one of them than the other, so as to be clearly seen through it and at the same time hermetically sealed from the atmosphere.

1,500,040. PROCESS OF DISTILLING OIL. JOHN JOSEPH ALLINSON, Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed July 17, 1919. Serial No. 311,558. 3 Claims. (Cl. 196—25.)

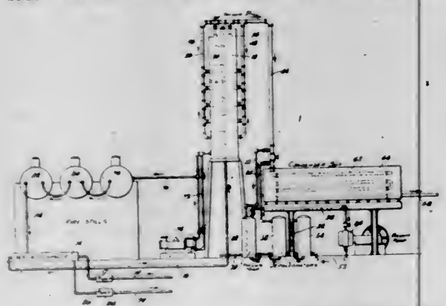
1. In the distillation of crude petroleum the steps comprising heating petroleum oil, passing the heated oil through a series of compartments maintained under

a partial vacuum, finely dividing said oil at the points of its admission to said compartments, vaporizing the lighter portions of the oil enclosed in said compart-



ments by the vacuum in said compartments, separately withdrawing vapors directly from each of said compartments out of contact with the oil in the said chamber and condensing the said vapors.

1,500,041. OIL-DISTILLING APPARATUS. JOHN JOSEPH ALLINSON, Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed July 17, 1919. Serial No. 311,559. 5 Claims. (Cl. 196—16.)



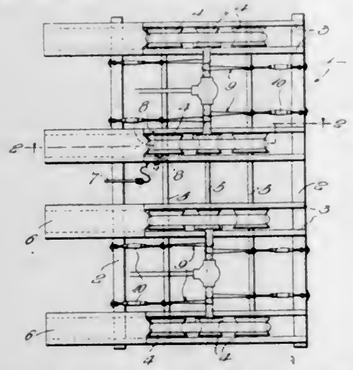
1. In an apparatus for continuously distilling oil, a vacuum still having a series of compartments, means for maintaining each of the compartments under partial vacuum, a heat interchanger, means for conducting oil through the said heat interchanger to the said vacuum still, means for finely dividing oil at the entrance to each of said compartments, a continuous fire still, means for withdrawing oil from the said vacuum still and passing the same through the said fire still, means for withdrawing separately vapors from each of the said compartments, and means to conduct heated residuum passing from the fire still through the heat interchanger for preheating the oil.

1,500,042. MOP. CLAUDE K. ARMSTRONG, Princeton, W. Va. Filed May 20, 1922. Serial No. 562,382. 1 Claim. (Cl. 15—177.)



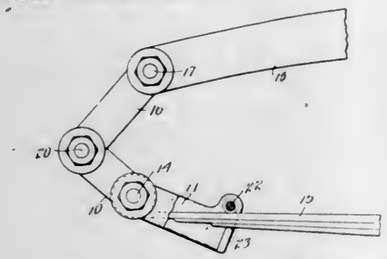
A mop comprising a plurality of strips arranged in parallelism, the opposed sides of each strip being provided with an elongated groove forming a channel between each strip, mop strands distributed between each strip, a pair of coils intermeshed with each other and providing a handle socket, a handle for said socket, the free ends of said coils being formed into two pairs of divergent legs, said strips being arranged between said pairs of divergent legs, and means clamping the strips together and the said legs to the strips.

1,500,043. AUTOMOBILE STARTING DEVICE. ALBERT C. ASPER, Kansas City, Mo. Filed Apr. 24, 1923. Serial No. 634,385. 3 Claims. (Cl. 74—106.)



1. A starting device for stiff automobile motors comprising a support for the rear end of an automobile to be started, said support having a member to engage and rotate the rear wheels of the machine; a second support for the rear end of a second automobile operating under its own power, said second support having a member to engage and be driven by the rear wheels of said second automobile, and positive driving means connecting the first and second named wheel-engaging members to drive one by means of the other.

1,500,044. SHOCK ABSORBER. LEWIS E. ATWELL, JAMES GRANT, and CURTIS E. WHITE, Jacksonville, Fla. Filed Aug. 4, 1923. Serial No. 655,659. 2 Claims. (Cl. 267—19.)

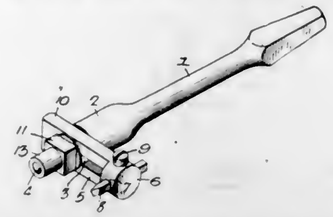


1. In a shock absorber for vehicles, a spring having a bearing at one end, a yoke-like lever embracing an end of the spring and spaced therefrom at the sides, a pivot bolt passing through the lever and the bearing, spaced abutments on the lever engaging the one face of the spring, a bolt connecting said ends adapted to engage the opposite face of the spring, and means to connect the other end of the lever to the vehicle frame, substantially as set forth.

1,500,045. ROTARY CUTTER. ROBERT G. BARTLETT, Pleasantville, N. J. Filed Jan. 10, 1922. Serial No. 528,274. 3 Claims. (Cl. 164—82.)

1. In a tool, the combination with a body portion having at one end a flatted tongue, a threaded stem extending from the tongue coaxially with the body, a

tool-carrying element having a slotted portion adapted to receive the said tongue, a nut on said stem adapted to hold the tool-carrying element in place upon the body,



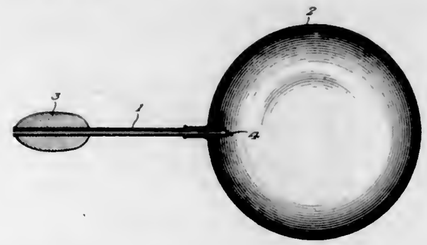
a cylindrical co-axial extension on the nut, and a cylindrical sleeve adapted to be detachably secured to said extension.

1,500,046. MATERIAL HOLDER AND CARRIER FOR DYEING YARN ON CHEESES. WALTER BELL, Hamilton, Ontario, Canada. Filed July 26, 1923. Serial No. 653,996. 1 Claim. (Cl. 8—17.)



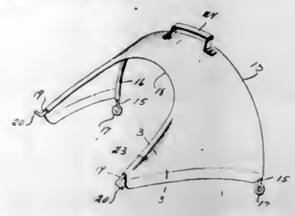
A material holder and carrier of the class described comprising a coil spring, and a sleeve encasing each end thereof, each sleeve provided with a series of helically disposed perforations registering with the interstices between adjacent coils of the spring.

1,500,047. TOY. STANLEY C. BIAS, Harrisburg, Pa. Filed Jan. 13, 1923. Serial No. 612,512. 1 Claim. (Cl. 46—37.)



A toy including a tube having a device at one end for creating a sound, an inflatable device enclosing the latter and a masticable device secured to the opposite end of the tube adapted to be held in the mouth while blowing through the tube to expand the inflatable device.

1,500,048. COAL SCUTTLE. JOSEPH J. BIMLER, Michigan, N. Dak. Filed Dec. 16, 1922. Serial No. 607,348. 7 Claims. (Cl. 220—2.)



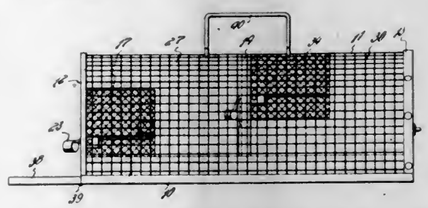
1. In combination with a scuttle having a pouring spout and the usual pivoted bail, a hood therefor pivoted to the scuttle adjacent the pivot of the bail and having a resiliently expanded forward end of greater width than the pouring mouth of the scuttle, openings formed in the side walls of the pouring mouth adjacent the forward ends thereof, and catches rigidly secured to the sides of the forward end of the hood and adapted for engagement in said openings.

1,500,049. CURTAIN HOLDER. JOHN W. BROOKS, Boise, Idaho. Filed Apr. 2, 1921. Serial No. 457,962. 1 Claim. (Cl. 156—19.)



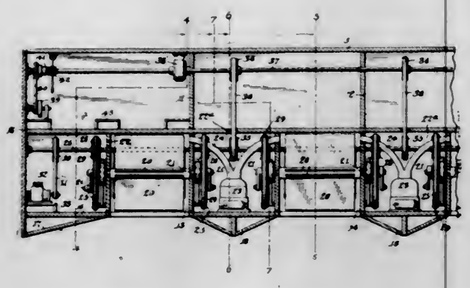
A curtain holder having an extensible bar consisting of telescoping tubular members connected by a contractional spring housed therein, brackets attached to the extremities of said members and consisting of twisted straps terminating in shoes extended in planes transverse to the length of the bar and provided with inwardly facing seats, and yielding frictional cushions fitted in said seats.

1,500,050. TRAP. ORRICE F. BUNN, Bristol, Tenn. Filed Aug. 22, 1923. Serial No. 658,817. 1 Claim. (Cl. 43—69.)



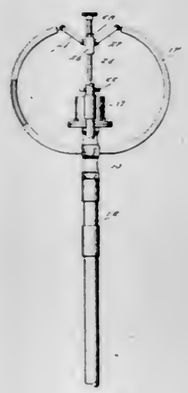
An animal trap embodying a cage having an entrance opening therein, a transverse partition dividing the cage into separate chambers, said partition also having an opening therein, a compartment located within each chamber around the openings, said compartments being closed at their tops, sides and rear, a pivotally mounted automatically closed platform within and providing a bottom for each compartment, offset portions in the side walls of said compartments, said portions defining stop shoulders for the platform, a mirror secured to the rear wall of one chamber and an exit door for the other chamber.

1,500,051. POWER-GENERATING MECHANISM. JOHN C. CALDWELL, Miami, Fla. Filed Nov. 2, 1921. Serial No. 512,370. 2 Claims. (Cl. 170—115.)



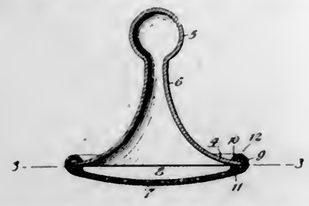
2. In a means for generating power from flowing streams, a single barge having a plurality of parallel longitudinally extending spaced channels formed therein having their lower ends open for permitting the free flow of water therethrough, closed passageways arranged between the channels, a plurality of transversely aligned water wheels mounted in said channels, means for connecting the transversely aligned water wheels together, means for operating a plurality of independent line shafts from the means for connecting the transversely aligned water wheels together, means operatively connecting the water wheels disposed in longitudinal alignment together, means for operating a compressed air motor from the longitudinally aligned water wheels, heaters disposed in said closed passageways between the channels, and oppositely extending heat conveying pipes connected with the heater and arranged to communicate with said channels.

1,500,052. AIR COMPRESSOR. ROBERT J. CAUFFIELD and CARL C. CAUFFIELD, Niles, Ohio. Filed Mar. 24, 1923. Serial No. 627,399. 2 Claims. (Cl. 137—153.)



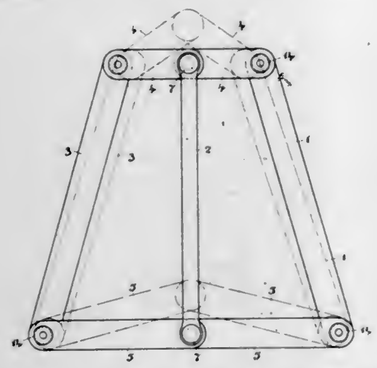
2. A regulator of the character described including a pressure actuated valve, pressure actuated means for limiting the movements of the valve, said means including a hollow coil adapted to be automatically expanded and contracted incident to the increase and decrease of pressure therein, a stem supported by the coil and movable toward and away from the valve incident to the expansion and contraction of the stem being adjustable with relation to the coil to vary the pressure required to actuate the latter.

1,500,053. PROTECTOR FOR COLLAR BUTTONS. MEYER COHN and WILLIAM F. PROBST, Chillicothe, Ohio. Filed Oct. 4, 1923. Serial No. 666,614. 6 Claims. (Cl. 24—101.)



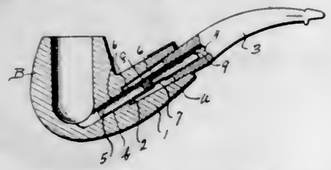
6. A protector for collar buttons having a base, a head and a neck connecting said base and head, comprising a downwardly dished concavo-convex disk provided on its edge with an upwardly and inwardly turned flange and on its upper side adjacent to said flange with an annular upwardly projecting rib, said disk, flange and rib being constructed integrally of soft flexible rubber.

1,500,054. CONSTRUCTION OF RACKET PRESSES. JAMES EDWIN COLTMAN, Ilford, England. Filed Aug. 25, 1922. Serial No. 584,336. 8 Claims. (Cl. 46—24.)



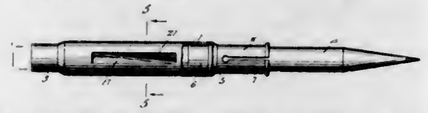
1. A racket press comprising a plurality of pairs of opposed frame bars having aligned apertures in their ends, pins passing through said apertures connecting the opposed frame bars together, means mounted on each of said pins adapted when actuated to move the opposing frame bars toward and from one another, and means for simultaneously actuating said last-named means.

1,500,055. SMOKING PIPE. GEORGE W. CONLEY, Wheaton, Ill. Filed Mar. 23, 1921. Serial No. 454,668. 1 Claim. (Cl. 131—12.)



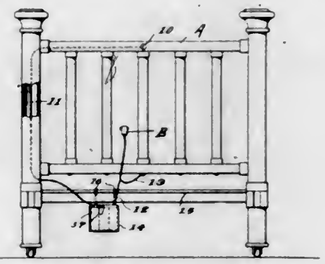
A smoking pipe including a bowl and a stem, the outer portion of the bore of the stem being enlarged, a removable mouthpiece insertible within the outer end of the stem, a sleeve extending through the enlarged portion of the bore of the stem and having its opposite end portions engageable within the inner portion of the bore of the stem and the inserted end portion of the bore of the mouth-piece, the periphery of said sleeve being smooth and unobstructed and a partition intersecting the bore of the sleeve, the wall of said sleeve being provided with openings at opposite sides of the partition, said openings communicating with the enlarged portion of the bore of the stem, said partition being insertible within the sleeve through either end thereof.

1,500,056. PENCIL SHARPENER. CLAUDE A. CONOVER, Newburgh, N. Y. Filed Mar. 16, 1922. Serial No. 544,208. 3 Claims. (Cl. 120—87.)



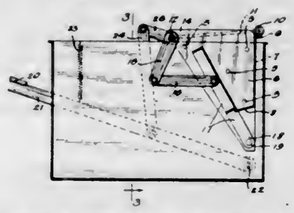
2. A pencil sharpener comprising a cutting structure formed in two parts, each part being constructed of sheet metal and having a tapering portion arc-shaped in cross section, and a web extending from the edges thereof, and means for securing said webs together, one of said tapering portions being cut off at the small end while the opposite tapering portion having one edge separated from its web and sharpened, said sharpened edge being bent inwardly to produce a cutting knife.

1,500,057. ELECTRIC-LIGHT ATTACHMENT FOR BEDS. ALFRED J. M. CORNS, Quinnimont, W. Va. Filed Apr. 18, 1921. Serial No. 462,128. 2 Claims. (Cl. 240—4.)



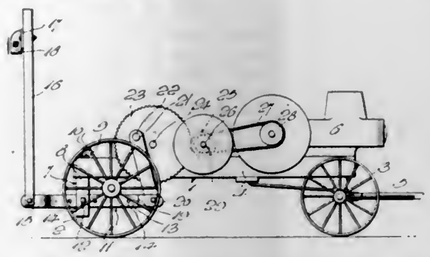
1. In combination with a tubular frame element of a bedstead, of a lighting attachment comprising an elongated lamp supporting body arrangement transversely in said element, and having one end exposed and supported by said element, a securing means carried by said element and supporting the other end of said body within the tubular element, said body at its exposed end being provided with a socket for the reception of a lamp bulb, and means for supplying the lamp socket with electrical energy.

1,500,058. MOP WRINGER. PETER C. COURTEMANCHE, Claremont, N. H. Filed May 16, 1923. Serial No. 639,431. 4 Claims. (Cl. 15—261.)



1. In a mop wringer, a receptacle, a fixed presser plate in the receptacle, a pivoted pressure plate, a transverse rock shaft mounted on the receptacle and provided outside and within the receptacle with arms, links connecting the arms of the shaft in the receptacle with the pivoted presser plate, treadle levers pivoted at their ends to the receptacle, and links connecting the treadle levers with the arms of the shaft outside of the receptacle.

1,500,059. PUMP JACK. GEORGE COWETTE, Rogers, Minn., assignor of one-half to Michael Borck, Rogers, Minn. Filed Sept. 6, 1923. Serial No. 661,316. 3 Claims. (Cl. 74—14.)

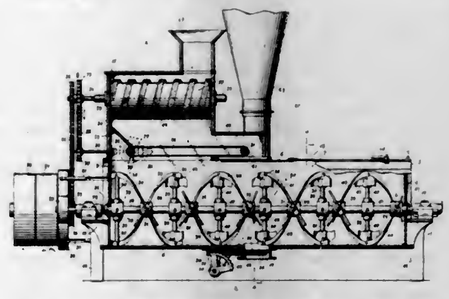


1. A pump jack comprising an elevated frame having two parallel side beams, a one-piece substantially U-shaped hanger whose arms are disposed between said beams at one end of the frame, the upper ends of said arms being directed horizontally outward and secured to the upper sides of said beams, a horizontal lever whose intermediate portion is received and fulcrumed in the lower end of said hanger, a pitman pivoted to and extending upwardly from one end of the lever for connection with a pump, another pitman connected to the other end of said lever and rising therefrom, and means mounted on the frame for reciprocating said other pitman.

1,500,060. CONTINUOUS CHLORINATION OF LIGNO- AND PECTO-CELLULOSE BY NASCENT CHLORINE FOR THE PURPOSE OF OBTAINING PURE CELLULOSE. ANTOINE REGNOUF DE VAINS, Miribel, Ain, France. Filed Dec. 11, 1922. Serial No. 606,293. 1 Claim. (Cl. 8—2.)

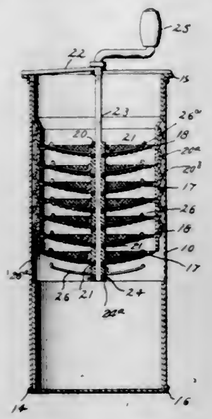
A process for the chlorination of non-cellulosic compounds of a ligneous material consisting in adding a quantity of hydrochloric acid to a pulp and then mixing a solution of an alkali metal hypochlorite with said acidulated pulp.

1,500,061. BATCH MIXER. CHANDOS R. DIMM, Muncy, Pa., assignor to Robinson Manufacturing Company, Muncy, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1922. Serial No. 587,742. 18 Claims. (Cl. 259—9.)



1. A mixing machine having a cylinder with inlet means and a single outlet located at a distance from the cylinder ends, and mixing mechanism comprising radial blades and peripheral ribbon blades in the cylinder having a reverse disposition and operable to uniformly convey the contents of the cylinder towards opposite ends of the latter and also inwardly to said outlet from opposite ends of the cylinder.

1,500,062. SIFTER. ALICE M. ELGIN, Cabool, Mo. Filed Oct. 27, 1922. Serial No. 597,357. 3 Claims. (Cl. 83—60.)



1. In a flour sifter, an outer receptacle, a shell detachably fitting within one end of the receptacle and having its lower end reduced, a series of detachably telescopically engaged rim members provided with wire screen, rings at the centers of the screens one end of said series being detachably connected upon the reduced end of the shell, a shaft journaled axially of the receptacle and through the rings, a plurality of hubs slidably and nonrotatably mounted upon the shaft between and bearing against the successive center rings, and outwardly extending arms carried by each hub and bearing upon the adjacent screen.

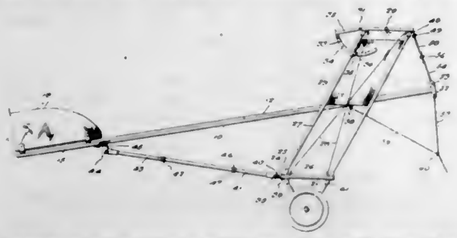
1,500,063. FUEL ECONOMIZER FOR GAS-FIRED STOVES AND THE LIKE. HENRY PERCY EVANS, Abbotsford, near Sydney, and HENRY SNOWDON STANDEN, Waverley, near Sydney, New South Wales, Australia. Filed July 12, 1922. Serial No. 574,588. 6 Claims. (Cl. 26—215.)



1. A fuel economizer for gas-fired stoves and the like consisting of a metal plate, said plate having a central portion adapted to overlie the flame of a fuel burner, spaced arms radiating from said central portion and providing openings between said arms, the outer edges of said central portion extending into said openings between said arms and adapted to deflect flame projected onto said central portion from a gas burner under receptacles placed on said plate over said openings.

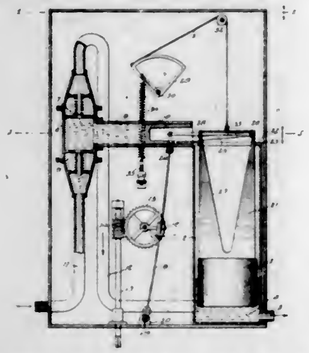
1,500,064. AEROPLANE KITE. ALFRED FELARDO, New York, N. Y. Filed Jan. 26, 1922, Serial No. 531,918. Renewed Dec. 14, 1923. 14 Claims. (Cl. 244—23.)

11. An aero-plane kite comprising a body member formed as an elongated plane having an enlarged head portion, the rear end of said body member being formed to represent an elevator, an upstanding rudder detachably connected with said rear portion of the body member, upper and lower planes disposed above and below said body member respectively, a plurality of uprights detachably connected with said upper and lower planes, a removable pivotal mounting normally connecting the body member with said uprights, a bridle connected with the forward portion of said body member at the underside thereof, and means connected with said body member at the forward and rear ends thereof for adjusting the



angular position thereof with respect to said upper and lower planes, said means consisting of longitudinally adjustable members connected with the forward extremity of the body member and with the forward edge of the upper plane and longitudinally adjustable members connected with the rear edge of the lower plane and with the rear portion of the body member.

1,500,065. INDICATOR. THOMAS T. H. FERGUSON, Bilthoven, Netherlands. Filed June 21, 1922. Serial No. 570,040. 10 Claims. (Cl. 103—38.)



1. In a device of the character described, a tank from which the fuel is supplied to an engine, a pump for feeding the fuel to the tank, means for operating the pump, a float in the tank and means for controlling the operation of the pump from the float by the rise and fall thereof due to the amount of fuel in the tank.

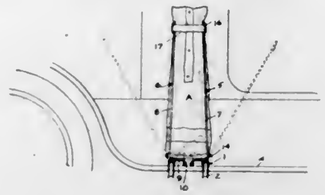
1,500,066. ART OF IMPREGNATING WOOD. HANS FINKELSTEIN, Uerdingen-on-the-Rhine, Germany. Filed Mar. 25, 1922. Serial No. 546,874. 11 Claims. (Cl. 99—12.)

4. In processes of impregnating wood comprising treating wood with solutions of aromatic nitro compounds and water soluble salts of strong inorganic bases in an iron vessel, the step of reducing the corrosive action of the impregnating solutions upon the iron vessel which consists in adding zinc oxid to the impregnating solutions.

11. A composition for the preservation of wood comprising a compound of dinitrophenol and an aromatic amine, a water soluble salt of a strong inorganic base, and a basic insoluble compound of zinc.

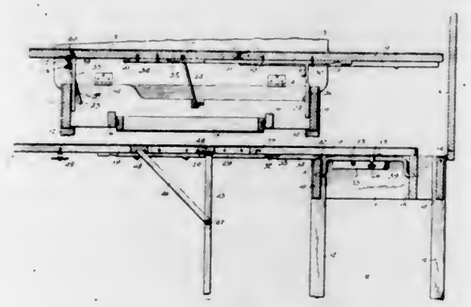
1,500,067. AUTO GOLF-BAG CARRIER. FREDERICK FRISK, San Francisco, Calif., assignor, by direct and mesne assignments, to Frisk Manufacturing Company, San Francisco, Calif., a Corporation of California. Filed Oct. 12, 1922. Serial No. 594,013. 3 Claims. (Cl. 224—29.)

3. A carrier adapted to be secured upon the running board of an automobile comprising a body member having a portion adapted to engage the under side of the running board, upright article supporting members carried on the body portion and movable towards and away from one another, jaws carried by the article supporting members arranged to move towards and clamp upon the running board when said article supporting members are moved



towards one another, means for securing said supporting members in article supporting position, which means comprises a flexible element adapted to surround the article to be supported, loops on said article supporting members through which the flexible element is extended and means for securing the flexible element in position tightly engaged with the article to be supported.

1,500,068. COMBINED TABLE AND IRONING BOARD. MEYER GOODMAN, Brooklyn, N. Y. Filed Feb. 14, 1923. Serial No. 618,937. 2 Claims. (Cl. 68—10.)



1. The combination with a collapsible ironing board including a pair of sections having hinged connection to permit of the arrangement of said sections in parallel relation when folded or in alignment when unfolded, and means provided respectively on said sections for interengagement when unfolded to retain said sections in alignment, and a table having a hinged top and constituting a housing for said ironing board when folded, of a means of connection between the ironing board and table to permit of the swinging of the ironing board to and from a position within the table comprising a pair of swinging yokes, a detachable connection between one of the yokes and the ironing board and a swiveled and sliding connection between the other yoke and the ironing board whereby to permit of the arrangement of the ironing board in alignment with the length of the table or at a right angle to the length of the same.

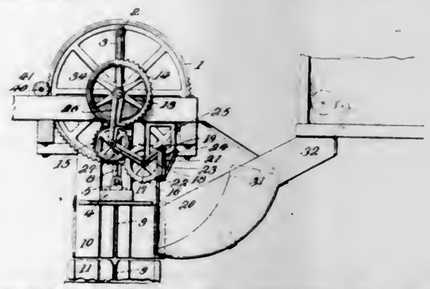
1,500,069. AUGER. COURTIE ELMORE GOULD, Clay, W. Va. Filed July 9, 1923. Serial No. 650,522. 3 Claims. (Cl. 145—66.)

1. A device of the class described comprising a brace having a pair of handles, a breast yoke swiveled to the brace, a shank detachably connected with the brace and consisting of two parts, the adjacent ends of the two parts being forked, a pair of rings clamping the forked ends together so that the members can have rocking movement relative to each other, means for regulating



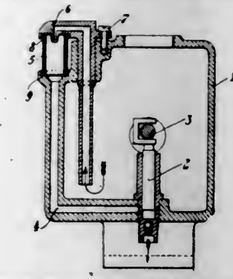
this movement or entirely preventing it and a drill detachably connected with the shank.

1,500,070. COTTON TRAMPER. THADDEUS S. GRIMES, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a Corporation of Georgia. Filed June 12, 1922. Serial No. 567,723. 9 Claims. (Cl. 100—25.)



1. In a cotton tramper, the combination with a press box, a follow block and a lint slide leading to said press box, of a paddle movable in said lint slide, means for swinging said paddle on its active stroke in proximity to and in an arc corresponding to the lower wall of said lint slide, and means for periodically locating and maintaining said paddle in a position to close said slide.

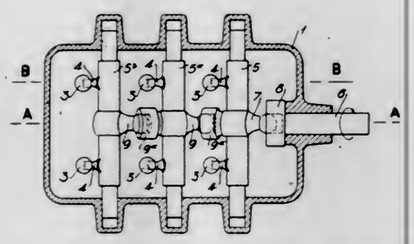
1,500,071. LUBRICATING PUMP WITH SIGHT FEED. OTTO HAJEK, Vienna, Austria. Filed May 3, 1922. Serial No. 558,234. 3 Claims. (Cl. 184—27.)



1. A lubricating pump comprising an oil container, a sight feed glass and a suction lead, said suction lead consisting of a fixed part discharging with one end to the cylinder of the lubricating pump and with the other end to the sight feed glass, a movable part discharging

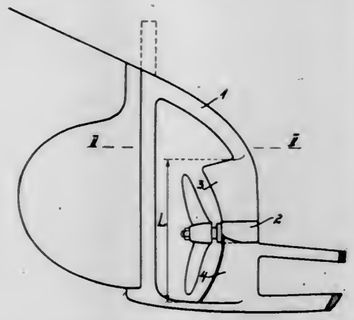
with one open end into the oil container and with the other end to the sight feed glass, and means for pressing the movable part against the fixed part and at the same time down on the sight feed glass.

1,500,072. LUBRICATING DEVICE. OTTO HALEK, Vienna, Austria, assignor to the Firm Alex. Friedmann, Vienna, Austria. Filed Sept. 13, 1923. Serial No. 662,572. 8 Claims. (Cl. 184—27.)



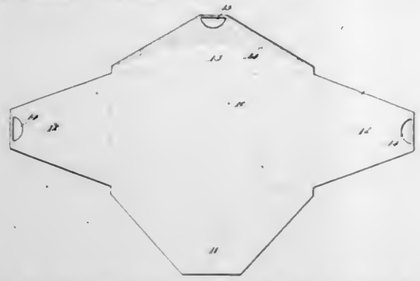
8. In a lubricating device, a number of lubricating pumps arranged in parallel rows, pistons for circulating the oil and controlling the oil distribution therein, the said pistons performing a reciprocating movement and an oscillating movement around their axis, driven shafts arranged in parallel to each other allotted to each of said pistons, each of said shafts being capable of performing such a combined movement, means to transmit said combined movement from each of the shafts to its allotted piston, a connection between the parallel shaft, consisting of a crank pin with a ball shaped head inserted into an open recess of the crank pin of its neighbour shaft, said connection being capable of transmitting the combined reciprocating and oscillating movement from one shaft to the other, a driving shaft provided with a driving disk performing a rotary movement in proximity to one of said driven shaft, and means comprising a crank arm connected with said driving disk for deriving a combined reciprocating and oscillating movement from said driving shaft and transmitting it to the driven shaft in proximity thereto.

1,500,073. DEVICE FOR FAVORABLY GUIDING THE PROPELLER WATER OF SHIPS. HANS HASS, Bergedorf, near Hamburg, Germany. Filed May 24, 1923. Serial No. 641,206. 6 Claims. (Cl. 115—34.)



1. A device for favorably guiding the water into the propeller of single screw ships comprising in combination a stern post, a shaft bearing in the same, a single guiding member above the shaft bearing and a single guiding member below the shaft bearing, both of these guiding members being arranged in front of the propeller and being the only guiding members associated with the propeller, said members being curved inversely to the direction of rotation of the propeller and extending laterally essentially within the range of the stern post.

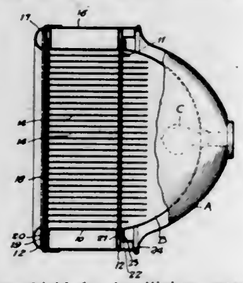
1,500,074. ENVELOPE. GEORGE R. HILL, Michigan City, Ind. Filed Jan. 28, 1922. Serial No. 532,111. 3 Claims. (Cl. 229—79.)



1. An envelope having a front panel to which is secured a plurality of flaps, some of which are provided with apertures, the apertures in one of said flaps adapted to register with only portions of the remaining apertures, thereby leaving uncovered portions of said remaining apertures.

2. An envelope having a front panel to which is secured a plurality of flaps, some of which are provided with openings and two of which are substantially abutting, said openings defining relatively narrow portions with the edges of said flaps, said portions being so arranged as to expose portions of all the flaps through the openings when in closed position.

1,500,075. GLARE SHIELD FOR HEADLIGHTS. CHARLES H. HIPP, Camp Lewis, Wash., and SHERMAN LEO KISER, Hutchinson, Kans. Filed Mar. 31, 1923. Serial No. 629,107. 3 Claims. (Cl. 240—48.4.)



1. In a glare shield for headlights, means associated with said headlight for eliminating the casting of vertical angular reflections while permitting of the casting of horizontal angular reflections and axial reflections, said means comprising a plurality of vertically spaced horizontal vanes projecting forwardly and disposed immediately in advance of the headlight reflecting element, and a support for said vanes consisting of a cylindrical body having inwardly projecting annular flanges at its opposite ends, said flanges formed with aligned notches receiving the side edges of said vanes.

1,500,076. BATTERY PLATE AND PROCESS OF MAKING SAME. WALTER E. HOLLAND, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 1, 1922. Serial No. 533,465. 8 Claims. (Cl. 204—29.)

1. The method which consists in applying absorptive material to the faces of a pasted battery plate and thereafter subjecting said plate to a drying treatment.

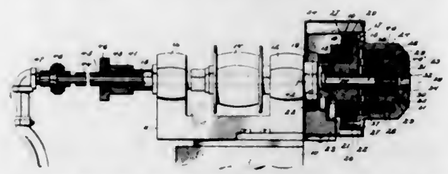
1,500,077. CODING DEVICE. SPENCER H. HUNTINGTON, Kerrville, Tex. Filed Dec. 31, 1921. Serial No. 526,240. 4 Claims. (Cl. 35—13.)

1. A ciphering device comprising a supporting member, a disc rotatably mounted thereon and a circular row of characters on both the disc and supporting member, the characters of one row being reversely arranged



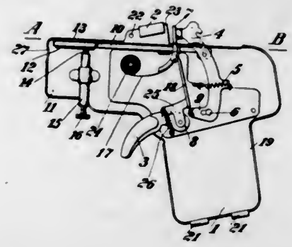
in relation to those on the other, and a blank space in each row.

1,500,078. METHOD OF GRINDING. LE ROY E. JOLLS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Original application filed June 20, 1918, Serial No. 241,041. Divided and this application filed Oct. 15, 1920. Serial No. 417,227. 5 Claims. (Cl. 51—278.)



1. The method of finishing the outer cylindrical surface of a roller and its bore with said surfaces concentric and perpendicular to a side of the roller consisting in placing the roller with a side against the flat face of a rotatably mounted electromagnet, said face being of smaller diameter than the roller, centering the roller by means engaging one of the surfaces to be finished, energizing the magnet, removing the centering means rotating the electromagnet, and machining the surfaces by tools movable perpendicularly to said flat faces.

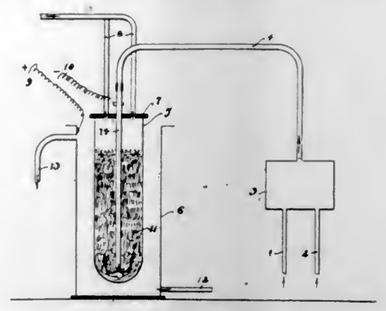
1,500,079. TOY PISTOL. JACQUES KELLERMANN, Berlin, Germany, by Johanna Kellermann, geb. Schmul, conservatrix, Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,689. 11 Claims. (Cl. 42—57.)



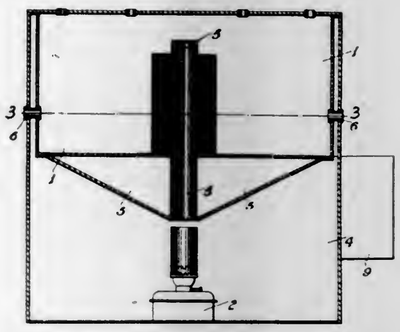
11. A toy comprising a casing in the form of a pistol, a sparking device in the barrel of said pistol casing, a barrel opening in said casing, and transparent material covering said opening.

1,500,080. PROCESS AND DEVICE FOR PREPARING ALCOHOLS AND ALDEHYDES FROM HYDROCARBONS. CAROLUS A. KLOPPENBURG, Tjepoe, Dutch East Indies, assignor to Nnamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Filed July 26, 1922. Serial No. 577,672. 6 Claims. (Cl. 204—9.)

1. A process for preparing alcohols and aldehydes according to which hydrocarbon containing gases are mixed with oxygen containing gases and are led at suitable temperature over carbonized cocoanuts, dark electric dischargings being applied for accelerating the process.

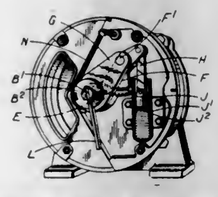


1,500,081. CHICKEN HOVER, BROODER, OR FOSTER MOTHER. FRANK KNIGHT, Cuckfield, England. Filed May 18, 1923. Serial No. 639,937. 2 Claims. (Cl. 119—32.)



1. A chicken brooder comprising a casing, a compartment within and spaced from said casing, a heating element adapted to be placed within said casing below said compartment for supplying warmth to said compartment, a partition extending from the floor of said compartment into said casing providing a closed heat insulating chamber between said compartment and said heating element, and a tubular member extending through said partition and the floor of said compartment to conduct heat from said heating element directly into said compartment.

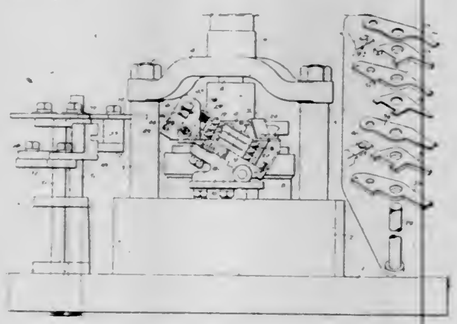
1,500,082. ELECTRIC-CURRENT REGULATOR. WALTER LANGDON-DAVIES and ALFRED SOAMES, London, England. Filed Feb. 27, 1922. Serial No. 539,568. 3 Claims. (Cl. 171—242.)



1. In an automatic regulator for alternating current arc welding circuits, in combination, a stationary magnetizable core, a second magnetizable core partially rotatable relative to the fixed core without altering the reluctance of the magnetic circuit, a winding on each core, said windings being in inductive relationship with each

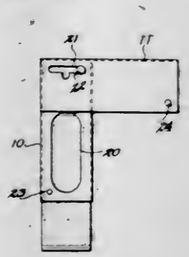
other and connected in the welding circuit, an arm on the rotatable core, an adjustable stop in the path of motion of said arm and means for preventing rapid movement of the arm in the direction of said stop, but allowing it quick return.

1,500,083. YARN CHANGER. WALTER LARKIN, Philadelphia, Pa., assignor to H. Brinton Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 27, 1919. Serial No. 307,076. 6 Claims. (Cl. 66—12.)



4. The combination with the cylinder and needles of a circular knitting machine of a plurality of superposed thread guides each having two actuating arms extending in different planes; with mechanism for actuating said guides including a cam having a substantially vertical face formed with a transverse slot; and means for moving said cam to any of a number of positions in which one actuating arm of a thread guide lies in a horizontal plane including the slot while the vertical face of said cam is positioned to act on others of said arms.

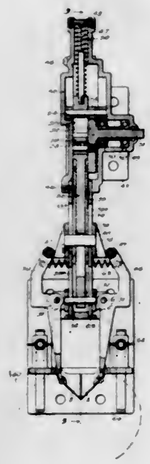
1,500,084. MATCH-BOX HOLDER. WARREN R. LEAS, Wyoming, Pa. Filed Nov. 12, 1923. Serial No. 674,291. 1 Claim. (Cl. 206—31.)



A match box holder comprising an inner box receiving section, an outer section substantially U-shaped in cross section and provided in its opposite sides with substantially T-shaped slots and headed pins extending from the sides of the inner section through said slots to provide a sliding pivotal connection between the sections.

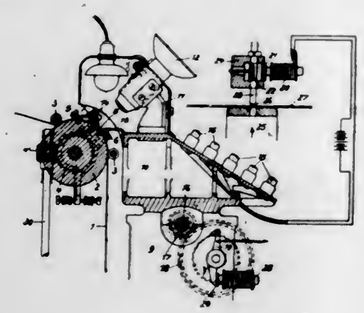
1,500,085. TOMATO CORER. JAMES Q. LEAVITT, Ogden, Utah. Filed Oct. 31, 1923. Serial No. 671,914. 10 Claims. (Cl. 146—52.)

1. Apparatus of the kind described, including a mount carrying a plurality of rockably supported cutting spoons, a stop device against which the object to be treated is to be contacted, said mount and said device being relatively movable towards and from each other, and power means for automatically moving the spoons relatively dur-



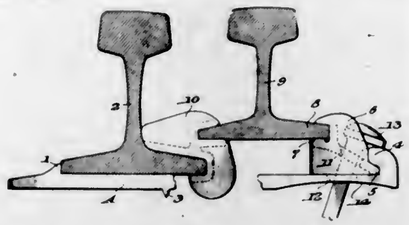
ing a relative movement between said mount and device, said means including a continuously rotating shaft and cam means operated thereby.

1,500,086. MANUFACTURE OF CHENILLE PRELIMINARY FABRICS. GOTTLIEB LIEBENDER, Oelsnitz, Germany. Filed Feb. 14, 1922. Serial No. 536,573. 4 Claims. (Cl. 164—113.)



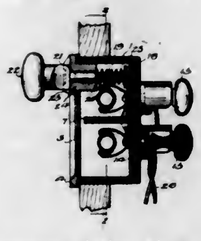
1. A device for use in the manufacture of chenille preliminary fabric with chenille weft threads dyed in conformity with the pattern for the weaving of Axminster carpets, comprising, in combination, a horizontal roller, a carpet-pattern conducted over the upper part thereof, and means for rotating said roller intermittently as much as corresponds to about the thickness of a chenille-thread; a slide arranged in front of the roller and being adapted to be shifted laterally in steps corresponding to the distribution of the colors on the carpet-pattern, parallelly to the said roller; a pattern reading device arranged on said slide, opposite the roller; a jacquard-card punching device; means provided on the said slide in front of the said reading device and adapted to act on the various punches of said punching device; and means adapted to transmit power from said means on the said slide to said punches.

1,500,087. GUARD-RAIL FIXTURE FOR RAILWAY TRACKS. THOMAS MANEY, Louisville, Ky. Filed Feb. 25, 1922. Serial No. 539,242. 10 Claims. (Cl. 238—20.)



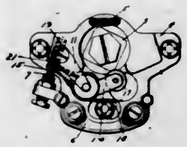
1. In a guard rail fixture for railway tracks, a base-plate having a concave portion on the lower surface which is initially wholly removed from the cross-tie.

1,500,088. IGNITION INDICATING AND DETECTING DEVICE. MARTIN J. NEUNER and ALBERT A. HABERMANN, North Bergen, N. J. Filed July 27, 1922. Serial No. 577,836. 1 Claim. (Cl. 175—183.)



An ignition detector device which includes a cup-shaped casing having a dividing wall or partition therein, a pair of spring clips in each section of the casing, a gas-filled tube adapted to be supported between one set of clips, a glass enclosed spark gap to be supported between the other pair of clips, a shunt connected with the clips supporting the gas filled tube, and manually operated means for opening said shunt, said means connected to the front of the casing.

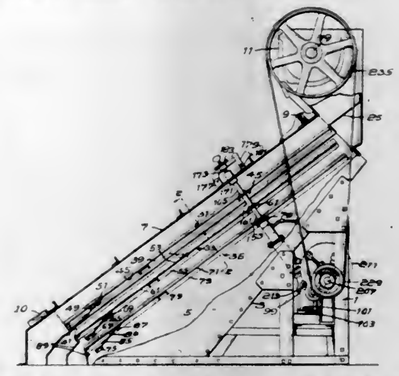
1,500,089. CIRCUIT BREAKER. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Apr. 29, 1919. Serial No. 293,433. 11 Claims. (Cl. 200—30.)



4. In a circuit breaker, a stationary member carrying a contact, a movable member carrying a cooperating contact, said movable member being in two sections pivoted on a common center, one of said sections carrying said cooperating contact and the other a bumper, a cam for acting on said bumper to move the sections carrying it and operative means connecting the two sections so that the actuation of the one by said cam causes the actuation of the other for the purpose described.

1,500,090. SEPARATOR. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 28, 1922. Serial No. 609,460. 13 Claims. (Cl. 83—56.)

1. A separator for grading materials comprising, in combination, a screen, a shaft, an eccentric on the shaft having a follower, an electric motor close to the eccentric for driving the eccentric shaft and having its armature mounted directly on and carried by the eccentric shaft, and a member reciprocated by the eccentric and



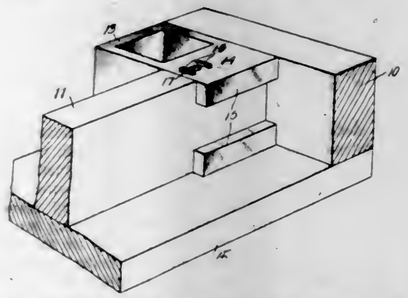
follower for imparting vibration to the screen, said member being unattached to the screen, that the latter may have independent vibrations.

1,500,091. VISOR FOR AUTOMOBILE WINDSHIELDS. WILLIAM C. WEISKE and HARLEY A. DORMAN, Detroit, Mich.; said Weiske assignor to said Dorman. Filed July 26, 1920. Serial No. 399,142. 2 Claims. (Cl. 296—95.)



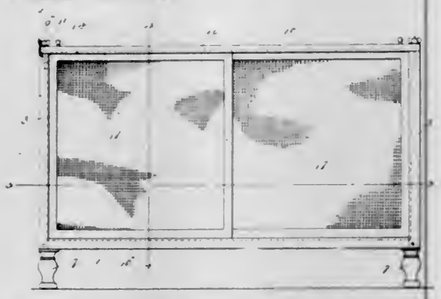
1. A visor for automobile windshields comprising the combination with a three-sided frame member provided with a groove in the inner edges of a substantially rectangular frame of comparatively thin material, an opaque fabric cover therefor, the edges of the cover extending beyond the frame upon three sides and the said three sides being adapted for insertion in the groove with the edges of the fabric cover within the groove and tending to bind the visor member in the said main frame.

1,500,092. CORNER IRON FOR TRUCKS. EMIL DIETZ, Indianapolis, Ind., assignor to Carl V. Dietz, Indianapolis, Ind. Filed June 23, 1923. Serial No. 647,336. 1 Claim. (Cl. 296—30.)



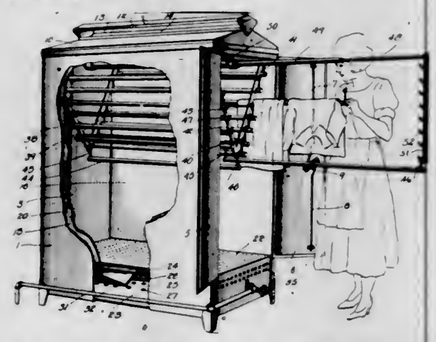
A corner iron for trucks comprising a body having a socket, a pair of horizontal arms extending respectively from the upper and lower ends of said socket at one side thereof adapted to engage over a rail, said arms having their ends inturned to embrace said rail, said corner iron being adapted to be secured against the side and end rails and floor board of a truck to hold the parts securely in position, substantially as set forth.

1,500,093. FRESH-AIR BED. ARTHUR B. COOKE, Macon, Ga. Filed Aug. 1, 1922. Serial No. 578,907. 1 Claim. (Cl. 5—97.)



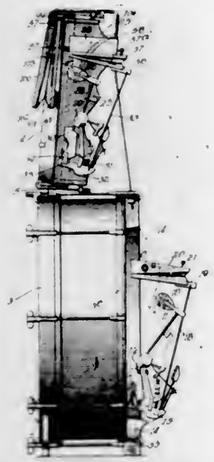
A bed of the class described including a base frame having legs supporting the frame above a support, and a bed spring carried thereby, uprights removably secured to the corner portions of the said frame, a top frame removably mounted on the upper ends of said upright, the opposed faces of the uprights, the lower face of the top frame, and the upper face of the base frame being formed with grooves extending longitudinally adjacent the end portions, end frames removably mounted in the grooves at the ends of the base frame having a screen member carried thereby, a pair of screened frame members mounted for relative sliding movement in the grooves at each side of the base frame to provide access to the interior of the beds, and a pair of screen sections hinged in the top frame adapted to close said frame and provide access to the bed therethrough, said top frame being adapted to receive curtain supports for suspending curtain rollers therefrom.

1,500,094. CLOTHES DRIER. GREEN T. KEE, Kansas City, Mo. Filed Apr. 13, 1923. Serial No. 631,827. 5 Claims. (Cl. 34—40.)



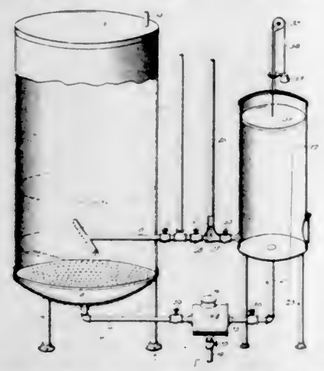
2. A clothes drier comprising a casing having a perforate bottom, the perforations in the bottom being sufficient to admit air for the support of combustion only, a clothes chamber comprising an inner casing having an imperforate bottom and side walls spaced from the casing, the top of the clothes chamber having an opening aligning with an opening in the top of the casing, the side walls of the clothes chamber being spaced from the side walls of the casing to provide ducts for the passage of the products of combustion, the upper portions of the ducts being constricted to cause the passage of the products of combustion to flow sluggishly, and means for admitting air directly to the clothes chamber.

1,500,095. DRUM. ADOLPH PETER GUSTAFSON, Chicago, Ill., assignor to M. Schulz Company, Chicago, Ill. Filed Feb. 5, 1919. Serial No. 275,082. 11 Claims. (Cl. 84—6.)



7. The combination with a pneumatically operated musical instrument, of a bass drum and a snare drum thereon and completing a unit separate from the musical instrument, piano actions on said drums for bearing the same, pneumatically actuated mechanism manually controlled from the piano for operating the action of said bass drum for a single beat, and pneumatically actuated mechanism manually controlled from the piano for operating the action of said snare drum for a plurality of beats.

1,500,096. CONTINUOUS BRINE PURIFIER. HERBERT D. OXLEY, Chicago, Ill. Filed Feb. 2, 1924. Serial No. 690,146. 11 Claims. (Cl. 23—13.)



1. A purified brine producing apparatus comprising a dissolving tank, a perforated gravel support above the bottom thereof, a bed of gravel on the said support for supporting a bed of the undissolved salt, a purified brine container connected to the bottom of the said tank, a sump chamber disposed in the connection between the tank and the purified brine container and below both of the latter, and a filling of gravel in the sump chamber through which the brine must pass in flowing from the tank to the purified brine container.

Patents Nos. 1,500,097 to 1,501,031.

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Designs	61—No.	65,094 to No.	65,154, inclusive.
Patents	935—No.	1,500,097 to No.	1,501,031, inclusive.
Total	1284		

Amendment to Trade-Mark Laws.

[PUBLIC—No. 263—68TH CONGRESS.

[S. 3324.]

AN ACT to amend section 5 of the Trade-Mark Act of 1905, as amended, relative to the unauthorized use of portraits.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the fourth proviso of subdivision (*b*) of section 5 of the act entitled "An act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same," approved February 20, 1905, as amended, is amended to read as follows: "*Provided further*, That no portrait of a living individual may be registered as a trade-mark except by the consent of such individual, evidenced by an instrument in writing, nor may the portrait of any deceased President of the United States be registered during the life of his widow, if any, except by the consent of the widow evidenced in such manner."

Approved, June 7, 1924.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Samuel Block, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Landay Brothers, 311 Sixth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered September 28, 1909, No. 75,357, to Samuel Block, 220 Wabash Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Samuel Block at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Samuel Block, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 17, 1924.*

Rice Cereal & Milling Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Cumpson-Doelman, Inc., 588 Louisiana Street, Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 28, 1917, No. 118,331, to Rice Cereal & Milling Co., Fort Wayne, Ind., and a notice of such declaration sent by registered mail to said Rice Cereal & Milling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rice Cereal & Milling Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 13, 1924.*

Vincent Visconti, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Joseph F. Malatesta, of 162 Commercial Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 13, 1916, No. 110,793, to Vincent Visconti, 217 Twenty-first Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Vincent Visconti at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Vincent Visconti, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Lucas Thompson & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Lucas Thompson & Co., of 40 Lispenard Street, New York, N. Y., No. 22,068, dated November 29, 1892, and the notice of such proceeding sent by registered mail to the said Lucas Thompson & Co., at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Lucas Thompson & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business June 27, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 59,709; Trade-Mark Division, 1,861. Oldest new case, Oct. 22, 1923; oldest amended, Oct. 17, 1923. The dates given are 1923 except where * indicates 1924.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action: New	Amended.	No. of applications awaiting action
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 17	Dec. 13	
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 3	Dec. 1	1009
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 2	*Feb. 6	912
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Dec. 24	*Jan. 2	1120
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 2	Nov. 8	1318
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Oct. 22	Nov. 1	1676
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Jan. 2	*Jan. 2	1681
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 3	*Feb. 23	1758
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 3	*May 7	627
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Jan. 2	*Jan. 3	1296
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 26	*Feb. 7	717
322	12. PIERCE, P. P., Machine Elements	*Jan. 3	*Jan. 12	1062
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 1	Dec. 18	1170
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Earriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 3	*May 19	932
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 15	Nov. 24	2006
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Dec. 3	Dec. 3	2630
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 4	*Mar. 3	1225
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 29	Oct. 17	2094
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Feb. 11	*Apr. 7	887
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 2	*Jan. 2	1336
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Dec 4	*Apr. 30	750
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 4	Dec. 5	1290
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Nov. 13	Dec. 29	622
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 11	Dec. 1	901
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 25	*Apr. 2	647
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 2	Nov. 10	894
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 5	Dec. 22	1152
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 2	*Jan. 15	1121
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 3	Dec. 4	1054
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Feb. 2	*Feb. 28	1005
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Dec. 10	Dec. 12	1136
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 1	Dec. 3	975
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 4	Feb. 2	1254
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 3	*Jan. 4	820
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Mar. 7	*Mar. 20	730
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 24	*Jan. 16	1713
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	*Jan. 2	*Jan. 2	1451
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Jan 3	*Jan. 7	1484
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Jan. 11	*Jan. 21	703
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov 3	*Mar. 24	1786
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 17	Dec. 28	736
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 2	Nov. 17	1947
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan. 2	*Jan. 4	1563
233	44. SHAFFER, C. B., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 3	Mar. 1	1242
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 12	Dec. 10	1456
332	46. WOLCOTT C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 27	Jan. 2	1033
264	47 BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Contolling Mechanism.	*Feb. 2	*Mar. 1	876
116	48. ROEPKE, O. B., Electrcity Conductors; Electricity, General Applications	Nov. 9	Nov. 9	2223
388	49 EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Jan. 4	*Jan. 18	451
102	DESIGNS: C. O. MARKHAM (Acting)	*June 2	*June 7	280
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. — Trade-Marks	*May 12	*June 2	1756
	Labels and Prints	*June 20	*June 19	105

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

ISOM *v.* DUBBS.

Decided April 12, 1924.

1. INTERFERENCE—ORDER ALLOWING SURREBUTTAL TESTIMONY.

Where the Examiner of Interferences issued an order allowing D. to take surrebuttal testimony, specifically indicating that D.'s testimony was to be allowed as a reply to testimony of I.'s already in the case, *Held* that if the testimony taken by D. in pursuance of the order is not within the permission of the order it must be stricken out.

2. SAME—SAME—SUR-SURREBUTTAL TESTIMONY.

If the testimony taken in pursuance of the order is within the permission given in the order, it can form no basis for additional testimony on behalf of I.

3. SAME — SAME — MOTION TO SUPPRESS SURREBUTTAL TESTIMONY.

I.'s motion to suppress D.'s testimony taken in surrebuttal must be postponed for consideration at final hearing.

4. SAME—SAME—SAME.

Where in his decision denying I.'s motion to suppress D.'s surrebuttal testimony the Examiner of Interferences apparently construes and interprets the counts of the interference, and the things said in that decision on their face were said without a thorough consideration of the thousands of pages of testimony already in the case, the Examiner of Interferences will take up the matter of construing and interpreting the issue de novo at final hearing.

APPEAL on motion.

ON PETITION.

PROCESS OF TREATING OILS.

Messrs. Rector, Hibben, Davis & Macauley and *Messrs. Addington, Ames & Seibold* for Isom.

Mr. Frank L. Belknap and *Mr. William F. Hall* for Dubbs (*Mr. J. T. Newton* of counsel).

FENNING, *Assistant Commissioner:*

Isom appeals and petitions from the ruling of the Examiner of Interferences [dated January 15, 1924], denying his motion to suppress Dubbs's testimony taken in surrebuttal and for leave to take sur-surrebuttal testimony. After vigorously-contested proceedings Dubbs was allowed to take specific testimony. The order allowing the testimony, on request, was more elaborately defined. This makes the cases referred to by Isom here readily distinguishable and inapplicable to the present proceedings.

[1, 2] As pointed out by the Examiner of Interferences the testimony of Dubbs if not within the permission of the order must be stricken out. If it is within the permission given in the order, it can form no basis for additional testimony on behalf of Isom, since the order specifically indicated that Dubbs's testimony was to be allowed as a reply to testimony of Isom's already in the case.

[3] The motion to suppress Dubbs's testimony must properly be postponed for consideration at final hearing, at which time the sole criterion of the admissibility of the Dubbs testimony will be whether it falls within the order under which it was taken.

I find no ground for allowing Isom to take additional testimony.

The matter was presented in elaborate and extensive oral arguments, and the appeal, the petition, and the brief consist of 67 pages of typewritten matter. In none of these is reference made to a specific question or answer or even a portion thereof in the testimony introduced by Dubbs.

[4] Both parties agree that what was said by the Examiner of Interferences in his decision of January 15, 1924, apparently construing and interpreting the counts of the interference, is not the law of this case and should not bind the Examiner of Interferences at final hearing. The things said in that opinion on their face were said not after a thorough consideration of the thousands of pages of testimony already in the case, and it is clear that at final hearing the Examiner of Interferences will take up the matter de novo.

The petition is denied.

The Examiner of Interferences is affirmed.

ADJUDICATED PATENTS.

(D. C. N. Y.) The Gauthier & Rodrigues-Ely patent, No. 874,666, for covering tip for oxy-acetylene torch for cutting metals, claim 1, *Held* valid and infringed. *Davis-Bournonville Co.* v. *Alexander Milburn Co.*, 297 Fed. Rep. 846.

(D. C. N. Y.) The Rodrigues-Ely & Gauthier patent, No. 880,099, for welding torch, *Held* invalid for anticipation. *Davis-Bournonville Co.* v. *Alexander Milburn Co.*, 297 Fed. Rep. 846.

(D. C. N. Y.) The Whitford patent, No. 1,028,410, for supporting head for oxy-acetylene torch, claims 3, 6, and 7 *Held* valid. *Davis-Bournonville Co.* v. *Alexander Milburn Co.*, 297 Fed. Rep. 846.

(C. C. A. Cal.) The Miller & Macowsky design patent, No. 56,450, for a Child's Romper, *Held* not infringed. *Eloesser-Heynemann Co.* v. *Kuh Bros.*, 297 Fed. Rep. 831.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

787,814, J. D. Wolf, Separation of metals from their ores, decree dismissing bill filed July 6, 1922, D. C. Del., Doc. E 466, *Wolf Mineral Process Corp.* v. *Belmont Wagner Co.*

858,188, A. G. Laurent, Hand fire-extinguishing apparatus, decree dismissing bill filed Apr. 30, 1924, D. C. Del., Doc. E 515, *Foamite-Childs Corp.* v. *Pyrene Mfg. Co.*

882,136, F. C. Altmann, Latch for vehicle doors, suit filed May 5, 1924, D. C., S. D. Ohio, Doc. E 357, *The English & Mersick Co.* v. *The Cincinnati Cadillac Co.*

997,331. F. Schutze, Manufacture of teats for baby soothers and pacifiers; T. M. 178,419, same, Infants' soothers, suit filed Apr. 2, 1924, D. C., N. D. Ill., Doc. 3936, *F. Schutze & Co., Ltd.* v. *Central Notion Co.*

1,032,393, W. E. Ficklen, Curb nosing and the like; 1,257,686, same, Edge protector for artificial stone; 1,278,899, same, Metal protecting device; 1,310,331, same, Metallic edge protector and the like, suit filed June 12, 1920, D. C., S. D. N. Y., Doc. E 18/154; final decree adjudging Patents 1,278,899 and 1,257,686 invalid and void, Patent 1,310,331 not infringed, no reference made in decree to Patent 1,032,393; bill dismissed, filed May 3, 1924; *W. E. Ficklen* v. *J. Kahn et al.*

1,036,427, C. S. Bird, Building material, decree of district court affirmed Apr. 28, 1924, C. C. A. (2d Cir.), Doc. S159, *C. S. Bird* v. *Sears, Roebuck & Co.*

1,082,682, R. Douglas, Food product; 1,235,666, same, Jelly-making product and process of producing same; 1,304,166, same, Food products and their method of manufacture, suit filed Apr. 28, 1924, D. C. Oreg., Doc. E 8679, *Douglas-Pectin Corp.* v. *Hood River Apple Vinegar Co.*

1,119,361, L. S. Maede, Apparatus for sealing cans in vacuum; 1,423,591, N. P. Bach, Apparatus for sealing containers, suit filed Apr. 29, 1924, D. C., N. D. Calif. (S. Div.), Doc. 1265, *Thermokept Corp.* v. *Alexander-Balart Co.*

1,213,960, 1,221,611, 1,286,806, E. O. Sessions, Locking switch; 1,228,142, same, High-tension insulator support for bus bars; 1,248,559, same, High-tension suspension insulator, suit filed Apr. 25, 1924, D. C., N. D. Ill., Doc. 3960, *E. O. Sessions et al.* v. *General Devices & Fittings Co. et al.*

1,221,611. (See 1,213,960.)

1,228,142. (See 1,213,960.)

1,235,666. (See 1,082,682.)

1,248,559. (See 1,213,960.)

1,257,686. (See 1,032,393.)

1,263,245. 1,291,511, 1,370,443, G. C. Hester, Store-front construction; 1,303,062, same, Ventilated glass setting for windows; Des. 49,144, same, Sash rails for store-front construction, suit filed Apr. 1, 1924, D. C., N. D. Ill., Doc. 3930, *Brasco Mfg. Co.* v. *Liddell & Co. et al.*

1,278,899. (See 1,032,393.)

1,286,806. (See 1,213,960.)

1,291,511. (See 1,263,245.)

1,303,062. (See 1,263,245.)

1,304,166. (See 1,082,682.)

1,310,168, 1,322,065, 1,366,503, 1,342,972, E. O. Sessions, Locking switch; 1,320,992, same, High-tension locking switch, suit filed Apr. 25, 1924, D. C., N. D. Ill., Doc. 3960, *E. O. Sessions et al.* v. *General Devices & Fittings Co. et al.*

1,310,331. (See 1,032,393.)

1,317,792. G. A. Johnson, Gravity self-centering roller bearing; 1,357,804. J. F. O'Connor, Side bearings for railway cars, suit filed Apr. 22, 1924, D. C., N. D. Ill., Doc. 3958, *W. H. Miner, Inc.*, v. *E. A. Woods & Co.*

1,320,992. (See 1,310,168.)

1,322,065. (See 1,310,168.)

1,342,972. (See 1,310,168.)

1,357,804. (See 1,317,792.)

1,366,503. (See 1,310,168.)

1,366,504. (See 1,434,565.)

1,370,443. (See 1,263,245.)

1,373,347. W. A. Morris, Header attachment for harvester thrasher machines, decree entered Apr. 30, 1924, holding patent valid and enjoining defendant, D. C. Kans. (2d Div.), Doc. E 306 N, *W. A. Morris* v. *The Avery Co.*

1,419,137, 1,481,839, J. A. Hewes, Man's neckwear, suit filed Apr. 2, 1924, D. C., N. D. Ill., Doc. 3938, *J. A. Hewes et al.* v. *W. Rosengarten et al.*

1,420,075, J. Berge, Lamp support, suit filed Apr. 24, 1924, D. C., N. D. Ill., Doc. 3959, *J. Berge et al.* v. *H. W. Cooper.*

1,423,591. (See 1,119,361.)

1,430,066, E. R. Evans, Air cleaner, suit filed Apr. 4, 1924, D. C., N. D. Ill., Doc. 3939, *E. R. Evans et al.* v. *United Mfg. & Distributing Co.*

1,434,565, E. O. Sessions, Supporting mechanism for insulator; 1,366,504, same, Locking switch, suit filed Apr. 25, 1924, D. C., N. D. Ill., Doc. 3960, *E. O. Sessions et al.* v. *General Devices & Fittings Co. et al.*

1,481,839. (See 1,419,137.)

Des. 49,144. (See 1,263,245.)

Des. 49,145, Des. 49,146, G. C. Hester, Sash rail for store-front construction, suit filed Apr. 1, 1924, D. C., N. D. Ill., Doc. 3930, *Brasco Mfg. Co.* v. *Liddell & Co. et al.*

Des. 49,146. (See Des. 49,145.)

T. M. 66,714, Armiger Chemical Co., Metal polish, suit filed May 1, 1924, D. C., N. D. Ala., Doc. 560, *Armiger Chemical Co.* v. *Dixie Chemical Products Co., Inc.*

T. M. 178,419. (See 997,331.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,355,871, F. I. Wanklyn, Track signal, decided October 8, 1923, claims 1, 2, and 3.

Pat. 1,396,844, E. E. Huffman, Depth-indicating device, decided May 20, 1924, claims 1, 2, 3, 4, 5, 6, and 7.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 8, 1924.

[VOL. 324. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 151,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HEEKIN COMPANY, Cincinnati, Ohio. Filed Aug. 16, 1921.

THE BAG WITH THE TAG

Particular description of goods.—Coffee.
Claims use since Aug. 1, 1921.

Ser. No. 151,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. G. MORSE CO., Chicago, Ill. Filed Aug. 16, 1921.

UNIVERSAL

Particular description of goods.—Candy.
Claims use since Mar. 21, 1911.

Ser. No. 153,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AGNES M. GORMO, doing business as Mary May Candy Shoppe, Holyoke, Mass. Filed Sept. 19, 1921.

Mary May

Particular description of goods.—Candies.
Claims use since Aug. 11, 1921.

Ser. No. 157,416. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) EUREKA SALES COMPANY, Indianapolis, Ind. Filed Jan. 3, 1922.

"EUREKA"

Trade-mark "Eureka" in the fanciful manner shown.
Particular description of goods.—Electrically Operated and Heated Devices—Namely, Washing Machines and Ironing Machines.
Claims use since December, 1913.

Ser. No. 163,847. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BENJAMIN B. ALLEN, doing business as American Root Beer Co., San Francisco, Stockton, and Huntington Park, Calif. Filed May 15, 1922.

A-B-C

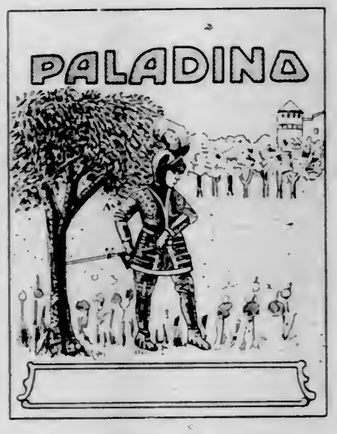
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups Therefor.
Claims use since June 15, 1916.

Ser. No. 164,519. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SOCIÉTÉ DES PLAQUES ET POUDRES A SOUDER J. LAFFITTE, Paris, France. Filed May 25, 1922.

ZECA-LAFFITTE

Particular description of goods.—Welding Metal for Aluminum and Aluminum Alloys.
Claims use since 1921.

Ser. No. 166,414. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOMINICK TRAPANI, Buffalo, N. Y. Filed July 1, 1922.



Particular description of goods.—Salad Oil.
Claims use since June 15, 1921.

Ser. No 170,035. (CLASS 39. CLOTHING.) THE RADIO HAT COMPANY, St. Louis, Mo. Filed Sept. 28, 1922.

RADIO

Particular description of goods.—Men's Straw Hats.
Claims use since Aug. 15, 1922.

Ser. No. 172,239. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLAK'S FRUTAL WORKS, Amersfoort, Netherlands. Filed Nov. 18, 1922.

"FRUTAL"

Particular description of goods.—Natural and Synthetic Flavoring Extracts and Materials Suitable for Food Products.
Claims use since July 10, 1914.

Ser. No. 172,618. (CLASS 39. CLOTHING.) CARL A. SUSSTRONG, doing business as Elstrong Mfg. Co., Chicago, Ill. Filed Nov. 27, 1922.

KUMFO KNICKER

Trade-mark consists of the words "Kumfo Knicker."
Particular description of goods.—Bloomers for Women's and Children's Wear.
Claims use since Nov. 17, 1922.

Ser. No. 174,315. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LIND & MARKS CO., Detroit, Mich. Filed Jan. 8, 1923.

Wolverine

Particular description of goods.—Phonographs.
Claims use since Apr. 1, 1921.

Ser. No. 176,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES L. POOR CO., New York, N. Y. Filed Feb. 14, 1923.

LADY DAINTY

Trade-mark consists of the words "Lady Dainty."
Particular description of goods.—Cotton Piece Goods—Namely, Nainsook.
Claims use since Apr. 20, 1916.

Ser. No. 176,249. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BYARD F. BROGAN, Philadelphia, Pa. Filed Feb. 19, 1923.

ARBUTUS

Particular description of goods.—Finger Rings.
Claims use since April, 1921.

Ser. No. 177,204. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUZAUD, CHOCOLAT DE ROYAT, "A LA MARQUISE DE SÉVIGNÉ," Royat, Puy-de-Dome, France. Filed Mar. 9, 1923.

A la Marquise de Sévigné

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, and Precious-Metal Ware—Namely, Table Ware, Flatware, Hollow Ware, and Toilet Ware.
Claims use since 1903.

Ser. No. 177,405. (CLASS 39. CLOTHING.) JOSEPH PIETZUCH, Cincinnati, Ohio. Filed Mar. 13, 1923.

ARCH=AJUST

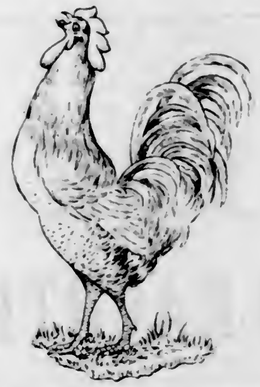
Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers of Leather, Rubber, Felt, Silk, Cloth, and Other Fabric Construction.
Claims use since Jan. 25, 1923.

Ser. No. 177,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SWINE BREEDERS PURE SERUM COMPANY, Thorntown, Ind. Filed Mar. 15, 1923.



No claim is made to the words "Quality Products" apart from the mark shown.
Particular description of goods.—Anti-Hog-Cholera Serum, and Hog-Cholera Virus.
Claims use since about September, 1920.

Ser. No. 178,092. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed Mar. 27, 1923.



Particular description of goods.—Piece Goods.
Claims use since Nov. 19, 1891.

Ser. No. 178,363. (CLASS 39. CLOTHING.) LOUIS SAKS CLOTHING CO., Birmingham, Ala. Filed Mar. 30, 1923.



Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Jan. 24, 1923.

Ser. No. 178,832. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALEXANDER GRAF VON FABER-CASTELL, Stein, near Nuremberg, Germany. Filed Apr. 9, 1923.

A. W. FABER

Particular description of goods.—Linear Measures, Squares, Angles, and Drawing Rulers.
Claims use since Nov. 19, 1921.

Ser. No. 179,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEX R. PLUMMER, also doing business as Plummer Brothers, Los Angeles, Calif. Filed Apr. 19, 1923.

SUN-MAID

Particular description of goods.—Catchup, Olives, Sauces Similar to Worcestershire Sauce; Fresh Fruits—Namely, Fresh Apples.
Claims use since Apr. 4, 1923.

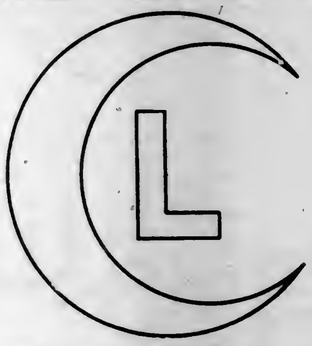
Ser. No. 179,387. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VALVE ENGINEERING COMPANY, Cambridge, Mass. Filed Apr. 19, 1923.

NEW ERA

Particular description of goods.—Steam Traps and Spraying Devices for Spraying Oil in Absorbers, Spraying Water for Cooling Ponds, Spraying Water in Return Tanks, Spraying Water in Receiving Tanks to Condense Steam Vapors, and Spraying Alkali for Condensing Obnoxious Odorous Vapors.
Claims use since early in January, 1922.

Ser. No. 179,507. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Apr. 23, 1923.

G.T. LANE



The name "G. T. Lane" in submitted trade-mark is disclaimed apart from the other features of the mark as shown by the drawing.
Particular description of goods.—Hoes and Agricultural Hand Implements for Hoeing, Digging, and Cultivating.
Claims use since 1910.

Ser. No. 179,515. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EUGENE W. CASTLE, doing business as Castle Films, San Francisco, Calif. Filed Apr. 23, 1923.

CASTLE FILMS

No claim is made to the word "Films" apart from the mark as shown in the drawing.

Particular description of goods.—Motion-Picture Films.

Claims use since Feb. 3, 1923.

Ser. No. 179,817. (CLASS 38. PRINTS AND PUBLICATIONS.) OILDOM PUBLISHING CO., INC., Bayonne, N. J., and New York, N. Y. Filed Apr. 27, 1923.

OILDOM

The lining in the letters of the word "Oildom" show shading, as the applicant does not wish to be limited to any color.

Particular description of goods.—Monthly Magazine.

Claims use since May, 1912.

Ser. No. 180,189. (CLASS 37. PAPER AND STATIONERY.) NIAGARA WALL PAPER COMPANY, Niagara Falls, N. Y. Filed May 4, 1923.



We disclaim as a part of our trade-mark the roll of wall paper and the words "Feel the Quality."

Particular description of goods.—Wall Coverings Such as Wall Paper.

Claims use since Feb. 15, 1923.

Ser. No. 180,190. (CLASS 37. PAPER AND STATIONERY.) NIAGARA WALL PAPER COMPANY, Niagara Falls, N. Y. Filed May 4, 1923.

"BLUE RIBBON"

Particular description of goods.—Wall Coverings Such as Wall Paper.

Claims use since Apr. 19, 1919.

Ser. No. 180,335. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HAGLUND & SÖNERS HANDELS- & FABRIKSAKTIEBOLAG, Falköping, Sweden. Filed May 8, 1923.

ECLIPSE

Particular description of goods.—Window-Shade or Window-Blind Rollers.

Claims use since June 3, 1912.

Ser. No. 180,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEANETTE MARTIN, Tucson, Ariz. Filed May 9, 1923.



No claim is made to the word "Cacti" apart from the mark as shown in the drawing.

Particular description of goods.—Preparation for the Treatment of All Forms of Inflammation, Tonsillitis, Stings, Cuts, and Bruises.

Claims use since Oct. 1, 1922.

Ser. No. 180,973. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

BLEACHTEX

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.

Claims use since Apr. 25, 1923.

Ser. No. 182,018. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STERLING WHEELBARROW CO., Milwaukee, Wis. Filed June 14, 1923.



The body of the mark is indicated as black, the border line and the words "A Product Built by Engineers" being lined to indicate green, the triangular figure in the central portion of the label being formed of horizontal lines to indicate blue, and the letters "Sterco" being formed with vertical lines to indicate red, no claim being made for the words "A Product Built by Engineers" apart from the mark as shown.

Particular description of goods.—Wheelbarrows.

Claims use since May 15, 1923.

Ser. No. 182,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLAF MELBY, Summit, S. Dak. Filed June 15, 1923.

C. T. L. OINTMENT

The word "Ointment" is disclaimed apart from the mark as shown. The color lining in the body of the letters C. T. L. represent the color red, while the frames of these letters, as well as the other part of the mark, are lined to represent the color green.

Particular description of goods.—Ointment as an External Remedy for the Treatment of Colds, Coughs, Asthma, Bronchitis, and Hay Fever.

Claims use since Mar. 1, 1923.

Ser. No. 184,086. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVID BAIRD MACDONALD, Leicester, England. Filed Aug. 4, 1923.

KRUX

Particular description of goods.—Machines and Apparatus Used in the Manufacture of Puffs, Toe Casings, Box Toes, Stiffeners, and Counters for Boots and Shoes; Boot-Sole Burnishing and Edge-Setting Machines, Boot-Socking Machines, and Machines for Spraying, Moistening, Heating and Drying the Toes, Soles, and Heels Before or During the Manufacture of Boots and Shoes.

Claims use since Feb. 5, 1919.

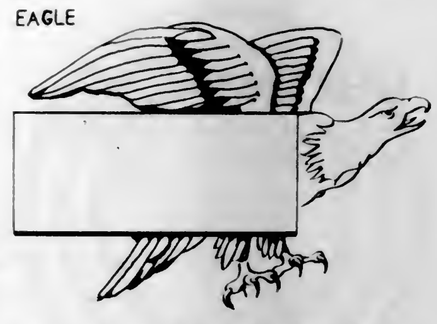
Ser. No. 184,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE S. MURPHY, INC., New York, N. Y. Filed Aug. 15, 1923.

HONEYDEW

Particular description of goods.—Jams, Jellies, Fruit Preserves, Fruit Butters, and Marmalades.

Claims use since 1919.

Ser. No. 184,546. (CLASS 2. RECEPTACLES.) FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed Aug. 16, 1923.



Particular description of goods.—Fabric Bags.

Claims use since July 2, 1923.

Ser. No. 185,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS CO., Portland, Oreg. Filed Sept. 10, 1923.



Exclusive use of a tag colored green is disclaimed apart from the mark shown. The words "Standard Loganberries" do not form a part of the registration sought apart from the mark shown in the drawing, and the lining in drawing indicates the color green.

Particular description of goods.—Canned and Dehydrated Fruits, Berries, and Vegetables.

Claims use since Feb. 17, 1923.

Ser. No. 186,014. (CLASS 39. CLOTHING.) PAGE AND JONES, doing business as Ideal Hosiery Mills, Philadelphia, Pa. Filed Sept. 21, 1923.

Little Chips

Particular description of goods.—Infants' and Children's Hosiery.

Claims use since Aug. 23, 1923.

Ser. No. 186,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS CARAVETTA, Chicago, Ill. Filed Oct. 3, 1923.

GREEN CROSS



The representation of the cross appearing on the drawing is lined for green.

Particular description of goods.—Alimentary Paste Products, Cheese, and Tomato Sauce.

Claims use since June 23, 1923.

Ser. No. 186,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES G. PIERCY, also doing business as The Piercy Pain Powder Company, Columbus, Ohio. Filed Oct. 3, 1923.



PIERCE'S

Trade-mark consists of a portrait of applicant.

Particular description of goods.—Medicinal Preparation in Powder Form for the Relief of Rheumatism, Lumbago, Cramps, La Grippé, Seasickness, Headaches, and Nervousness, and a Combination Cold Remedy in Tablet and Liquid Form for La Grippe and Colds, All for Internal Use.

Claims use since June 11, 1902, on powders; since about Feb. 28, 1924, for Cold Remedy.

Ser. No. 187,118. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & CO., Ottumwa, Iowa. Filed Oct. 17, 1923.

Riverdale

Particular description of goods.—Canned Peas and Butter.

Claims use since June 27, 1923, to canned peas; since June 29, 1923, to butter.

Ser. No. 187,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 25, 1923.

VARSITY

Particular description of goods.—Canned Fruits.

Claims use since Dec. 20, 1916.

Ser. No. 187,735. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EUREKA WOOLEN MILLS, Eureka, Calif. Filed Oct. 31, 1923.

EUREKA

Particular description of goods.—Woven and Knitted and Netted Textile Piece Goods Made of Wool and Cotton, Wool and Silk, Wool and Artificial Silk, Cotton and Silk, Separately or Collectively Combined to be Used for Making Robes, Bath Robes, Blankets, Shawls, and Textile Blankets, and Indian Shawls in the Nature of Blankets.

Claims use since April, 1922.

Ser. No. 188,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION BAKING COMPANY, INCORPORATED, Vancouver, Wash. Filed Nov. 9, 1923.

Butter-Kup

Particular description of goods.—Bread.

Claims use since Feb. 1, 1923.

Ser. No. 188,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIS S. MYERS, Palm Springs, Calif. Filed Nov. 13, 1923.



Particular description of goods.—Fresh Dates and Date Butter.

Claims use since Sept. 1, 1923.

Ser. No. 188,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIS S. MYERS, Palm Springs, Calif. Filed Nov. 13, 1923.

Wonder

Particular description of goods.—Fresh Dates and Date Butter.

Claims use since Sept. 1, 1923.

Ser. No. 188,454. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXTILE PUBLISHING COMPANY, New York, N. Y. Filed Nov. 16, 1923.

The Drygoodsman & Southwest MERCHANT-ECONOMIST

Particular description of goods.—Publication Issued Every Two Weeks.

Claims use since Nov. 10, 1923.

Ser. No. 189,460. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE INTERNATIONAL SILENCER COMPANY LIMITED, London, England. Filed Dec. 10, 1923.

GHOST

Particular description of goods.—Silencers for Internal-Combustion Engines and Parts Thereof.

Claims use since about June 4, 1923.

Ser. No. 189,860. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE NATIONAL LOCK WASHER COMPANY, Newark, N. J. Filed Dec. 18, 1923.

NATIONAL

Particular description of goods.—Window-Shade Curtains.

Claims use since January, 1900.

Ser. No. 189,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRAESSER-MONSANTO CHEMICAL WORKS LIMITED, Cefn, Ruabon, North Wales, and London, England. Filed Dec. 19, 1923.

ACROSYL

Particular description of goods.—Disinfectants and Germicides.

Claims use since Feb. 16, 1914.

Ser. No. 190,145. (CLASS 39. CLOTHING.) BELLEVILLE SHOE MFG. CO., Belleville, Ill. Filed Dec. 27, 1923.



The lining of drawing represents the color red.

Particular description of goods.—Boys' Boots and Shoes Made of Leather.

Claims use since Dec. 1, 1923.

Ser. No. 190,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND PACKERS, INC., Sacramento and North Sacramento, Calif. Filed Dec. 27, 1923.

BLOSSOM



Particular description of goods.—Almond Meats (Broken or in Natural State), Glazed Almonds, and Blanched Almonds.

Claims use since Apr. 1, 1923.

Ser. No. 190,467. (CLASS 37. PAPER AND STATIONERY.) REESE & REESE, Baltimore, Md. Filed Jan. 5, 1924.

MAGNOLIA

Particular description of goods.—Box-Covering Papers, Printing Papers, Book Papers, Cover Papers, and Wrapping Papers.

Claims use since Jan. 1, 1922.

Ser. No. 190,606. (CLASS 37. PAPER AND STATIONERY.) NEWSHAM INSURANCE SYSTEM CO., San Francisco, Calif. Filed Jan. 9, 1924.

Newshams
NEWSHAM INSURANCE SYSTEM FORMS

Trade-mark consists of the name "Newsham" written in the handwriting of the president of the corporation. No claim is made to the words "Newsham Insurance System Forms" apart from the mark shown on the drawing.

Particular description of goods.—Printed Forms—Namely, Combination Bill Forms Used in Handling Insurance.

Claims use since July 23, 1923.

Ser. No. 190,618. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SOCONY BURNER CORPORATION, New York, N. Y. Filed Jan. 9, 1924.

ARROW OIL BURNER

No claim is made to the word "Arrow" or the symbol of an arrow as a trade-mark for gas and oil lamps. Exclusive use of the words "Oil-Burner" is disclaimed apart from the mark shown.

Particular description of goods.—Burners Using Petroleum and Its Products as Fuel.

Claims use since Nov. 15, 1923.

Ser. No. 190,707. (CLASS 17. TOBACCO PRODUCTS.) JOHN F. REICHARD, doing business as Manchester Cigar Company, York, Pa. Filed Jan. 11, 1924.



The portrait is that of Sherman D. Green. The lines shown on the drawing are for the color blue.

Particular description of goods.—Cigars.

Claims use since Mar. 16, 1923.

Ser. No. 190,977. (CLASS 39. CLOTHING.) THE PONTIAC KNITTING MILLS COMPANY, Cleveland, Ohio. Filed Jan. 18, 1924.

CAMPUS

Particular description of goods.—Sweaters.

Claims use since Sept. 1, 1922.

Ser. No. 191,177. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RICHARD L. JACONSMEYER, doing business as Voisometer Manufacturing Company, Kirkwood, Mo. Filed Jan. 23, 1924.

VOISOMETER

Particular description of goods.—Radio Receiving Sets and Sending Sets and Parts Thereof.

Claims use since Sept. 16, 1923.

Ser. No. 191,235. (CLASS 39. CLOTHING.) MISS JUNIOR FROCKS, New York, N. Y. Filed Jan. 24, 1924.



Miss Junior Frocks

No claim is made to the exclusive use of the word "Frocks" apart from the mark as shown in the drawing.

Particular description of goods.—Dresses, Cloaks, and Suits.

Claims use since Dec. 26, 1923.

Ser. No. 191,244. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WELDED PRODUCTS MANUFACTURING CO., Milwaukee, Wis. Filed Jan. 24, 1924.

SUPER-WELD

Particular description of goods.—Trailers, Hand Trucks, Wagon Trucks, and Dollies.

Claims use since September, 1921.

Ser. No. 191,413. (CLASS 32. FURNITURE AND UPHOLSTERY.) SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUZAUD, CHOCOLAT DE ROYAT, "A LA MARQUISE DE SÉVIGNÉ", Royat, France. Filed Jan. 28, 1924.

A la Marquise de Sévigné

Trade-mark consists merely in the words "A la Marquise de Sévigné."

Particular description of goods.—Household Furniture—Namely, Tables, Tea Tables, Work Tables, Toilet Tables, Card Tables, Dressing Tables, Whatnots, Music Cabinets, Multiple Card Tables, Furniture with Drawers, Chiffoniers, Secretaries, Chairs, Armchairs, Taborets; Chests of Different Sorts of Wood, Whether Inlaid, Lacquered, or Not; Pillows, Divans, Costumers, Rocking Chairs, Dressers, Night Tables, Somnoes, Buffets, China Closets, Tea Wagons, Living-Room and Dining-Room Sets and Pieces, Parlor Suites and Pieces, Pedestals, Davenettes, Telephone Stands, Bookcases, Bookracks, Sewing Cabinets, Porch Sets and Pieces, Desks, Stools, Kitchen Cabinets, Kitchen Tables, and Umbrella Stands of Wood, Frames Not of Precious Metal, Looking Glasses, Household and Portable Hand Mirrors.

Claims use since June 3, 1904.

Ser. No. 192,152. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Filed Feb. 11, 1924.

SIERRA VISTA

Particular description of goods.—Fresh Citrous Fruits, Particularly Oranges.

Claims use since 1909.

Ser. No. 192,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHESTER A. ASHER, Philadelphia, Pa. Filed Feb. 13, 1924.

Eatlets

Particular description of goods.—Candy.

Claims use since 1920.

Ser. No. 192,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ED. MESSER CONFECTIONERY CO., Cincinnati, Ohio. Filed Feb. 14, 1924.



The background of the label is lined on the drawing for orange. No claim is made herein to the words "Big Size, Pure Candy, The Ed. Messer Confectionery Co., Cincinnati, O." apart from the other features, or the word "Corn" apart from the word "Chicken," no right under the common law or under the act of Mar. 19, 1920, being waived.

Particular description of goods.—Candy.

Claims use since Jan. 25, 1924.

Ser. No. 192,285. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TRUMBULL-VANDERPOEL ELECTRIC MFG. CO., Bantam, Conn. Filed Feb. 14, 1924.



No claim is made for "Safe Lock" apart from the mark shown by the drawing.

Particular description of goods.—Electric Safety Switches.

Claims use since Oct. 1, 1923.

Ser. No. 192,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL NORMAN, Astoria, N. Y. Filed Feb. 15, 1924.

NIRCO

Particular description of goods.—Remedy for Stomach, Nerves, and Intestinal Disorders.

Claims use since Oct. 1, 1923.

Ser. No. 192,482. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y. Filed Feb. 18, 1924.

D

Particular description of goods.—Steel, Iron, Brass, Alloy, and Composition Metal Castings.

Claims use since July 15, 1903.

Ser. No. 192,544. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ONEIDA COMMUNITY, LTD., Oneida, N. Y. Filed Feb. 19, 1924. Under ten-year proviso.

ONEIDA COMMUNITY

Particular description of goods.—Canned Asparagus.

Claims use since about 1880.

Ser. No. 192,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Feb. 21, 1924.

CORDAY

Particular description of goods.—Perfumes.
Claims use since about Feb. 5, 1924.

Ser. No. 192,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. E. LINCH, doing business as More Life Food Co., Kansas City, Mo., assignor to Wm. Frederic Irving Holcombe, Chicago, Ill. Filed Feb. 23, 1924.

More Life

Particular description of goods.—Health Food in the Form of Fruit Candies and Granulated Cereal Food Products.
Claims use since June 15, 1922.

Ser. No. 192,729. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. R. PEARCE COMPANY, Pittsburgh, Pa. Filed Feb. 23, 1924.

SQUARE MEAL

Particular description of goods.—Fancy Pastry.
Claims use since Jan. 25, 1924.

Ser. No. 192,783. (CLASS 37. PAPER AND STATIONERY.) MYERS PAPER COMPANY, Memphis, Tenn. Filed Feb. 25, 1924.

STRENTEX

THE DISTINCTIVE WRAPPER
STRIPED BRIGHT COLORS
STRENGTH YARDAGE
MYERS PAPER CO. MEMPHIS

Myers Paper Company disclaims all the words shown on the drawing except the words "Strentex" and "Myers Paper Company."
Particular description of goods.—Writing Paper, Toilet Paper, Envelopes, Paper Napkins, and Stencil Board.
Claims use since Aug. 1, 1921.

Ser. No. 192,907. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GINTER COMPANY, Boston, Mass. Filed Feb. 27, 1924.

G C

Particular description of goods.—Canned Peas, Canned Corn, Canned Tomatoes, Jellies, and Fruit Preserves.
Claims use since Aug. 24, 1923.

Ser. No. 193,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATTHIJS HART, Oudkarspel, Netherlands. Filed Feb. 29, 1924.

ZK

Particular description of goods.—Salted Sauerkraut, Salted French Beans, Salted Cauliflower, Salted Haricot Beans, and Salted Gherkins Packed in Casks.
Claims use since Oct. 1, 1923.

Ser. No. 193,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JONES BROTHERS TEA COMPANY INC., Brooklyn, N. Y. Filed Feb. 29, 1924.

BERMA

Particular description of goods.—Coffee.
Claims use since Feb. 9, 1924.

Ser. No. 193,139. (CLASS 39. CLOTHING.) JACOB STEIN, doing business as Winner Hat Manufacturing Company, New York, N. Y. Filed Mar. 1, 1924.



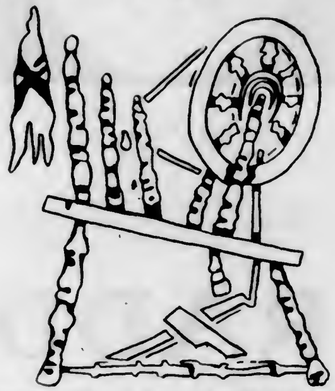
Particular description of goods.—Ladies' Hats.
Claims use since Oct. 1, 1920.

Ser. No. 193,196. (CLASS 38. PRINTS AND PUBLICATIONS.) TOPICS, INC., Chicago, Ill. Filed Mar. 3, 1924.

THE
AUTOMOTIVE
JOBBERS SALESMAN

"Automotive Jobbers Salesman."
Particular description of goods.—Monthly Magazine.
Claims use since Jan. 1, 1924.

Ser. No. 193,234. (CLASS 32. FURNITURE AND UPHOLSTERY.) JAMES MCCUTCHEON & COMPANY, New York, N. Y. Filed Mar. 4, 1924.



Particular description of goods.—Feather and Down Pillows, Bassinets, Cribs, Dressing Tables, Clothes Trees, Chiffonobes, and Nursery Chairs.
Claims use since Mny 1, 1866.

Ser. No. 193,313. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TREULICH & KLAAS, Chicago, Ill. Filed Mar. 5, 1924.

LOTUS

Particular description of goods.—Pearls and Pearl Beads, Genuine and Imitation.
Claims use since 1909.

Ser. No. 193,337. (CLASS 17. TOBACCO PRODUCTS.) IMPERIAL TOBACCO CO. INC., Buffalo, N. Y. Filed Mar. 6, 1924.

INDIAN BUTTS



The word "Butts" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Smoking Tobacco.
Claims use since Aug. 1, 1923.

Ser. No. 193,343. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE LINEN THREAD CO., New York, N. Y. Filed Mar. 6, 1924.

WATERLILY



Particular description of goods.—Laundry Nets.
Claims use since May, 1923.

Ser. No. 193,417. (CLASS 37. PAPER AND STATIONERY.) CHARLES J. O'CONNELL, New York, N. Y. Filed Mar. 7, 1924.

LIFAX

Particular description of goods.—Loose-Leaf Binders.
Claims use since Mar. 1, 1924.

Ser. No. 193,543. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JESSE L. ROBINSON, New Orleans, La. Filed Mar. 10, 1924. Under ten-year proviso.

Orangine
The Gold Medal Drink

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Dec. 1, 1892.

Ser. No. 193,559. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROBERT L. L. WARNER, New York, N. Y. Filed Mar. 10, 1924.

"Porcello"



The representation of the dental molding is disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Dental Molding Material as Used for Plates, Either Alone or in Combination with Other Substances of Plastic or Semiplastic Nature, and Capable of Being Hardened by Processes Equivalent to Vulcanization.
Claims use since September, 1919.

Ser. No. 193,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARTAGENA & MAYRO, New York, N. Y. Filed Mar. 11, 1924.

CARMA

Particular description of goods.—Olives.
Claims use since June 20, 1923.

Ser. No. 193,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SEARS AND NICHOLS CANNING CO., Chillicothe, Ohio. Filed Mar. 11, 1924.

GREENWOOD

Particular description of goods.—Canned Vegetables.
Claims use since 1903.

Ser. No. 193,677. (CLASS 37. PAPER AND STATIONERY.) PARKER PEN CO., Janesville, Wis. Filed Mar. 12, 1924.

DUOFOLD

Trade-mark consists of the word "Duofold."
Particular description of goods.—Pens and Pencils.
Claims use since Sept. 1, 1923.

Ser. No. 193,681. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) REED AIR FILTER COMPANY, Louisville, Ky. Filed Mar. 12, 1924.

Reed Air

Particular description of goods.—Filters for Aeroform Fluids.
Claims use since about Dec. 1, 1923.

Ser. No. 193,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924.

HIGHLAND CHOP



No claim is made to the word "Chop" apart from the mark shown.
Particular description of goods.—Tea.
Claims use since about 1913.

Ser. No. 193,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924.



Particular description of goods.—Tea.
Claims use since about 1876.

Ser. No. 193,841. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEICH ELECTRIC COMPANY, Genoa, Ill. Filed Mar. 15, 1924.

RADD

Particular description of goods.—Spark Plug.
Claims use since June 15, 1919.

Ser. No. 193,843. (CLASS 39. CLOTHING.) THE MANHATTAN SHIRT CO., New York, N. Y. Filed Mar. 15, 1924. Under ten-year proviso.

KNOWN AS THE BEST

THE BEST KNOWN

Particular description of goods.—Wearing Apparel—Namely, Outer Shirts, Dress Shirts, Collars, and Pyjamas.
Claims use since about 1890.

Ser. No. 193,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BYRON TYLER, Kansas City, Mo. Filed Mar. 15, 1924.

HONEY NUTS

No claim is made to the word "Nuts" apart from the mark shown.
Particular description of goods.—Mixture of Dried Fruit and Peanuts.
Claims use since June 1, 1904.

Ser. No. 193,891. (CLASS 39. CLOTHING.) CHARLES F. BERG, Portland, Oreg. Filed Mar. 17, 1924.

Rose-sylk

Applicant makes no claim to its exclusive use of the word "Silk" apart from the mark shown in the drawing.
Particular description of goods.—Hosiery for Men, Women, and Children, Fabric Gloves for Men, Women, and Children, Silk Underwear and Dresses for Ladies.
Claims use since Dec. 1, 1923.

Ser. No. 193,958. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHRIS RASMUSSEN, doing business as Rasmussen Electric Mfg. Co., Fresno, Calif. Filed Mar. 17, 1924.

THEF-A-LARM

Particular description of goods.—Electric Theft Alarms.
Claims use since June 1, 1923.

Ser. No. 193,996. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Mar. 18, 1924.

HETEROFLEX

Particular description of goods.—Radio Electrical Appliances — Namely, Transformers, Oscillators, Tuning Units Consisting of Coils, Variometers, Variocouplers, and Variable Condensers, Rheostats, Potentiometers, Sockets, Jacks, Dials, Radio-Receiving Sets, and Component Parts Thereof.
Claims use since Nov. 20, 1923.

Ser. No. 194,023. (CLASS 39. CLOTHING.) RATHBUN & COMPANY, Utica, N. Y. Filed Mar. 18, 1924.



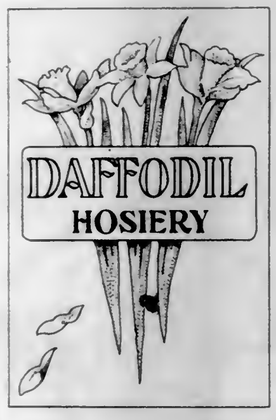
Particular description of goods.—Men's, Women's, and Children's Knit Underwear and Hosiery.
Claims use since Mar. 1, 1924.

Ser. No. 194,040. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BENJAMIN B. ALLEN, San Francisco, Calif. Filed Mar. 19, 1924.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since June 29, 1923.

Ser. No. 194,052. (CLASS 39. CLOTHING.) E & S HOSIERY MILLS, High Point, N. C. Filed Mar. 19, 1924.



No claim is made to the word "Hosiery" apart from the mark shown.
Particular description of goods.—Hosiery for Men, Women, Children, and Infants.
Claims use since Feb. 12, 1924.

Ser. No. 194,081. (CLASS 39. CLOTHING.) STRAUSS LEATHER COMPANY, Pittsburgh, Pa. Filed Mar. 19, 1924.

Tom Thumb
Children's Shoes



No claim is made to the words "Children's Shoes" nor to the pictorial representation of the shoes apart from the mark shown on the drawing.

Particular description of goods.—Leather Shoes.

Claims use since Mar. 1, 1924.

Ser. No. 194,134. (CLASS 38. PRINTS AND PUBLICATIONS.) JACK SNYDER PUBLISHING COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 20, 1924.

Old Masters' Edition

The word "Edition" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Printed Music.

Claims use since Dec. 15, 1923.

Ser. No. 194,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADAM BROTHERS COMPANY, Houston, Tex. Filed Mar. 21, 1924.

PRAIRIE KING



Particular description of goods.—Canned Vegetables.

Claims use since June 17, 1922.

Ser. No. 194,154. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Filed Mar. 21, 1924.



No claim is made to the representation of the packing. Trade-mark consists of two notches in the edge of the article spaced a short distance apart.

Particular description of goods.—Gaskets, Washers and Packing of Cork or Cork Composition and for Cork and Cork Composition in the Sheet Especially Adapted for Packing.

Claims use since Dec. 24, 1923.

Ser. No. 194,165. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLPOS J. DARCÉ, Jennerette, La. Filed Mar. 21, 1924.

No Gum

Particular description of goods.—Hand Cleaner in Paste Form.

Claims use since Oct. 1, 1923.

Ser. No. 194,212. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYDYNE CORPORATION, New York, N. Y. Filed Mar. 21, 1924.

POLYTRON

Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Jack and Antenna Plugs, Potentiometers, Panels, Sockets, Complete Receiving Sets, Transformers, Dials, Crystals, and Mounting Boards.

Claims use since about Mar. 8, 1924.

Ser. No. 194,214. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYDYNE CORPORATION, New York, N. Y. Filed Mar. 21, 1924.

POLYCOIL

Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Jack and Antenna Plugs, Potentiometers, Panels, Sockets, Complete Receiving Sets, Transformers, Dials, Crystals, and Mounting Boards.

Claims use since about Mar. 8, 1924.

Ser. No. 194,215. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYDYNE CORPORATION, New York, N. Y. Filed Mar. 21, 1924.

POLYFONE

Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Jack and Antenna Plugs, Potentiometers, Panels, Sockets, Complete Receiving Sets, Transformers, Dials, Crystals, and Mounting Boards.

Claims use since about Mar. 8, 1924.

Ser. No. 194,279. (CLASS 39. CLOTHING.) LONDON SHOE COMPANY, INC., New York, N. Y., and Chicago, Ill. Filed Mar. 22, 1924.

Foot Curve LAST
FOLLOWS EACH CURVE OF FOOT

No claim is made to the words "Foot Curve Last" and "Follows Each Curve of Foot" apart from the mark shown.

Particular description of goods.—Shoes Made of Leather, Fabric, or Combinations of Such Materials for Men, Women, and Children.

Claims use since Mar. 1, 1924.

Ser. No. 194,284. (CLASS 5. ADHESIVES.) THE PATENT CEREALS COMPANY, Geneva, N. Y. Filed Mar. 22, 1924.

REX

Particular description of goods.—Corn Flour Preparation for Core and Facing Binder.

Claims use since December, 1923.

Ser. No. 194,292. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924.

INDURITE

Particular description of goods.—Pulverized or Ground Silica.

Claims use since Apr. 15, 1902.

Ser. No. 194,333. (CLASS 39. CLOTHING.) BULLOCK'S, Los Angeles, Calif. Filed Mar. 24, 1924.

Lannark



Particular description of goods.—Leather and Leather and Rubber Combination Shoes.

Claims use since on or about Jan. 6, 1924.

Ser. No. 194,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLARK DUST COLLECTING CO., INC., Chicago, Ill. Filed Mar. 24, 1924.

DUST COLLECTING
CLARK
SYSTEMS

The words "Dust Collecting Systems" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Dust-Collecting Systems and Apparatus for Air Separating and Conveying Systems.

Claims use since 1903.

Ser. No. 194,368. (CLASS 39. CLOTHING.) NEW YORK CLOAK & SUIT HOUSE OF LOS ANGELES, Los Angeles, Calif. Filed Mar. 24, 1924.

The New York
CLOAK & SUIT HOUSE

Particular description of goods.—Women's, Misses', and Girls' Clothing and Undergarments—Namely, Slippers and Mules of Leather, Rubber, Fabric, or Combinations Thereof, Putties and Leggings, Boas, Mufflers, Scarfs; and Neckwear—Namely, Neckties, Stocks, Jabots, Collars; Underwear, Night Clothes, Underwaists; Robes, Bath, Night, Dressing, and Lounging; Jackets, Dress and Negligee Shirts, Skirts, Vests, Trousers, Breeches, Knickerbockers, Capes, Raincoats, Coats and Overcoats, Cloaks, Bathing Suits, Blouses, Sweaters, Jerseys, Smocks, Hosiery; Handwear—Namely, Gloves and Mittens; Cuffs, Guimpes, Chemisettes and Chemise, Ruffs, Shawls; Millinery and Headwear—Namely, Hats, Bonnets, and Caps; Habits, Suits, Gowns, Dresses, Costumes, Uniforms, Waists, Corsets, Brassières, Corset Waists, Corset Covers, Bloomers, Tights, Slips, Petticoats, Bodices.

Claims use since 1905.

Ser. No. 194,369. (CLASS 39. CLOTHING.) NEW YORK CLOAK & SUIT HOUSE OF LOS ANGELES, Los Angeles, Calif. Filed Mar. 24, 1924.

NY

Particular description of goods.—Women's, Misses', and Girls' Clothing and Undergarments—Namely, Slippers and Mules of Leather, Rubber, Fabric, or Combinations Thereof, Putties and Leggings, Boas, Mufflers,

Scarfs; and Neckwear—Namely, Neckties, Stocks, Jabots, Collars; Underwear, Night Clothes, Underwaists; Robes, Bath, Night, Dressing, and Lounging; Jackets, Dress and Negligee Shirts, Skirts, Vests, Trousers, Breeches, Knickerbockers, Capes, Raincoats, Coats, and Overcoats, Cloaks, Bathing Suits, Blouses, Sweaters, Jerseys, Smocks, Hosiery; Handwear—Namely, Gloves and Mittens; Cuffs, Guimpes, Chemisettes and Chemise, Ruffs, Shawls; Millinery and Headwear—Namely, Hats, Bonnets, and Caps; Habits, Suits, Gowns, Dresses, Costumes, Uniforms, Waists, Corsets, Brassières, Corset Waists, Corset Covers, Bloomers, Tights, Slips, Petticoats, Bodices.

Claims use since 1905.

Ser. No. 194,429. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BELL'S UNITED ASBESTOS COMPANY LIMITED, London, England. Filed Mar. 26, 1924.

REEFER

Particular description of goods.—Engine Packing Comprising Asbestos, Rubber, and Metal.

Claims use since July, 1919.

Ser. No. 194,440. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC SERVICE ENGINEERING CORP., New York, N. Y. Filed Mar. 26, 1924.

DYNOFORMER

Particular description of goods.—Radiofrequency Transformers, Radio Coupling Coils, and Audiofrequency Transformers.

Claims use since Feb. 21, 1924.

Ser. No. 194,441. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC SERVICE ENGINEERING CORP., New York, N. Y. Filed Mar. 26, 1924.

DYNODON

Particular description of goods.—Condensers, Both Variable and Fixed.

Claims use since Feb. 21, 1924.

Ser. No. 194,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK M. PACKWOOD, doing business as Packwood Brothers, Lincoln, Nebr. Filed Mar. 26, 1924.

"Micro-Helix"

No claim is made to the word "Helix" apart from the mark shown in the drawing. The letters are lined to indicate shading only.

Particular description of goods.—Variable Condensers.

Claims use since Feb. 15, 1924.

Ser. No. 194,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARVEY R. ADAMS, Seattle Heights, Wash. Filed Mar. 27, 1924.

ADAMS GOPAYN

Particular description of goods.—Liniment.

Claims use since Feb. 13, 1924.

Ser. No. 194,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL S. CASEY, doing business as Yeast Mineral Supply Co., Peoria, Ill. Filed Mar. 27, 1924.

MS YEAST MINERAL SUPPLY CO.

Particular description of goods.—Cattle, Swine, Horse, Dairy, and Poultry Feed.

Claims use since March, 1924.

Ser. No. 194,631. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) R. E. THOMPSON MANUFACTURING COMPANY, Jersey City, N. J. Filed Mar. 28, 1924.



Trade-mark consists of the picture of Lafayette, a deceased celebrity.

Particular description of goods.—Radio Receiving Sets and Parts Thereof, Head Telephones, and Loud Speakers.

Claims use since Feb. 7, 1924.

Ser. No. 194,642. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GREIST MFG. COMPANY, New Haven, Conn. Filed Mar. 29, 1924.

Seniorlite

Particular description of goods.—Portable Electric Lamps.

Claims use since Feb. 8, 1924.

Ser. No. 194,675. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) D. H. SKEEN, doing business as D. H. Skeen & Company, Chicago, Ill. Filed Mar. 29, 1924.

MERCON

Particular description of goods.—Pressure-Reducing Valves, Back-Pressure Valves, Relief Valves, Safety Valves, Excess-Pressure Pump Regulators, Differential Pressure Regulators, and Automatic Stop Valves.

Claims use since Nov. 15, 1923.

Ser. No. 194,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHEMICAL PRODUCTS COMPANY, Cincinnati, Ohio. Filed Apr. 1, 1924.

KEMPRO

Particular description of goods.—Animal Foods Such as Meat Meal, Meat Scraps, Poultry Bone, Blood Meal, Mineral Feed, and Digester Tankage.

Claims use since Mar. 13, 1924.

Ser. No. 194,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHICAGO TRUFFLES CO., Chicago, Ill. Filed Apr. 1, 1924.

DYNAMITE

Particular description of goods.—Confection—Namely, Candy Bars.

Claims use since Feb. 23, 1924.

Ser. No. 194,804. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES E. KNIGHT, San Francisco, Calif. Filed Apr 1, 1924.

IAQUA

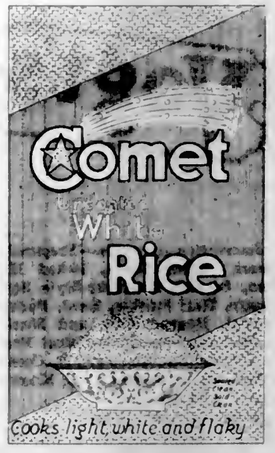


Applicant disclaims the figure of the Indian within the circle on the drawing, specifically, on "ginger ale."

Particular description of goods.—Mineral Water and Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since Nov. 17, 1913.

Ser. No. 194,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEABOARD RICE MILLING COMPANY, Galveston, Tex. Filed Apr. 1, 1924.



The lining or the like appearing on the drawing is here used for shading purposes only. The words "Uncoated White Rice," "Sealed Clean Sold Clean," and "Cooks Light White and Flaky" have been disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Rice.

Claims use since Mar. 5, 1924.

Ser. No. 194,847. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEO. W. AYLING, doing business as J. C. Ayling Co., Springfield, Ill. Filed Apr. 2, 1924.



"THE JOLLY BOY" FOLDING KITE

All wording appearing on the drawing with the exception of the designed words "The Jolly Boy" are descriptive only and are not claimed as a part of the actual trade-mark.

Particular description of goods.—Kite.

Claims use since early in 1912.

Ser. No. 194,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK PINTO, Brooklyn, N. Y. Filed Apr. 3, 1924.

Vulnerina Pinto

Particular description of goods.—Liquid Antiseptics and Ointments to Relieve Pains or Sprains in the Muscles and to Bring Down Swellings and Inflammations and Similar Medicinal Uses.

Claims use since February, 1924.

Ser. No. 194,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. VOGT & SONS, INC., Philadelphia, Pa. Filed Apr. 3, 1924.

Vogt's

Particular description of goods.—Prepared Meat Products—viz, Hams, Boiled Hams, Baked Hams, Bacon, Boneless Bacon, Smoked Kentucky-Style Squares Bacon, Scrapple, Sausage, Half Smokes, Lard, Pork-Tongue Roll with Beef Added, Pressed Roll, and Meat Loaf; and Canned Meat Products—viz, Potted Meat Products, Sandwich Spread Known as "Snapwich," Cooked Tongues, Vienna-Style Sausage, Breakfast Loaf Known as "Philadelphia Scrapple," and Scrapple.
Claims use since Sept. 30, 1919.

Ser. No. 194,965. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WIRE WHEEL CORPORATION OF AMERICA, Buffalo, N. Y. Filed Apr. 3, 1924.

WIRE WHEEL CORPORATION OF AMERICA
WIRE DISC
WHEELS
BUFFALO, N.Y.

The exclusive use of the words "Wire Disk Wheels Buffalo, N. Y." is disclaimed.
Particular description of goods.—Motor Vehicles and Parts Thereof.
Claims use since January, 1924.

Ser. No. 195,024. (CLASS 39. CLOTHING.) WALTER M. STEPPACHER & BRO., INC., Philadelphia, Pa. Filed Apr. 4, 1924.

LUSTROX

Particular description of goods.—Shirts.
Claims use since Feb. 9, 1924.

Ser. No. 195,032. (CLASS 39. CLOTHING.) DORSEY M. WIRTH, Bucyrus, Ohio. Filed Apr. 4, 1924.

E. Z.

Particular description of goods.—Leather Garment-Supporting Belts.
Claims use since Jan. 15, 1924.

Ser. No. 195,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CUERO MILL AND FEED COMPANY, Cuero, Tex. Filed Apr. 5, 1924.

TURKEY-TROT

Particular description of goods.—Corn Meal, Corn Chops, Corn Bran, Alfalfa Meal, Crushed Corn, Horse Feed, Dairy Feed, Steer Feed, Chicken Feed.
Claims use since Mar. 19, 1924.

Ser. No. 195,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HUGH NELSON COLUMBIA CARPET MILLS, Philadelphia, Pa. Filed Apr. 5, 1924.

EUCLID

AXMINSTER

Exclusive use of the word "Axminster" being disclaimed apart from the mark shown.
Particular description of goods.—Rugs and Carpets Made of Cotton, Wool, and Jute Yarns.
Claims use since Mar. 25, 1924

Ser. No. 195,094. (CLASS 39. CLOTHING.) THE CAMPE CORPORATION, New York, N. Y. Filed Apr. 7, 1924.

LUSTEX

Particular description of goods.—Women's Knitted Underwear.
Claims use since February, 1924.

Ser. No. 195,096. (CLASS 39. CLOTHING.) HARRY DAROFF & SONS, Philadelphia, Pa. Filed Apr. 7, 1924.

Darson

Particular description of goods.—Outer Suits for Men and Boys.
Claims use since Jan. 2, 1923.

Ser. No. 195,109. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HELLYER STEEL PARTS CORPORATION, Los Angeles, Calif. Filed Apr. 7, 1924.

HSP
TRADE MARK

No claim is made to the words "Trade Mark" and the representation of the tool appearing on the mark apart from the mark shown in the drawing.
Particular description of goods.—Reamers, Valve Reamers, Valve-Seat Reamers, Valve-Seat Cutters, Valve-Grinding Tools, and Valve-Cutting Tools.
Claims use since Feb. 20, 1924.

Ser. No. 195,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. CRAWFORD & LUKE, Augusta, Ga. Filed Apr. 8, 1924.

BOLL WEEVIL
CAL
POISON

The words "Boll Weevil" and "Poison" are disclaimed disassociated from the trade-mark shown.
Particular description of goods.—Compound for Destroying Boll Weevils, Army Worms, Potato Bugs, and Other Leaf-Eating Insects.
Claims use since January, 1923.

Ser. No. 195,164. (CLASS 31. FILTERS AND REFRIGERATORS.) ENTERPRISE MANUFACTURING COMPANY, Spokane, Wash. Filed Apr. 8, 1924.

ELECTRO-KOLD

Particular description of goods.—Refrigerating Machinery.
Claims use since Sept. 1, 1923.

Ser. No. 195,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Apr. 10, 1924.

I'LANG-HANS

Particular description of goods.—Pharmaceutical Preparation—Namely, a Concentrate of the Islands of Langerhans of the Pancreas Indicated as a Homostimulant to the Pancreas.
Claims use since Jan. 31, 1922.

Ser. No. 195,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DIGESTIVE FERMENTS COMPANY, Detroit, Mich. Filed Apr. 10, 1924.

PANGESTIN

Particular description of goods.—Pharmaceutical Preparation—Namely, a Highly-Active Amylolytic Ferment from the Pancreas and Indicated in Amylaceous Dyspepsia.
Claims use since February, 1912.

Ser. No. 195,286. (CLASS 39. CLOTHING.) JAMES A. HEARN & SON, INC., New York, N. Y. Filed Apr. 10, 1924.

ENCHANTA SILK

No claim is made to the exclusive use of the word "Silk" apart from the mark as shown in the drawing, without, however, waiving the common-law right to the exclusive use of the complete mark "Enchanta Silk."
Particular description of goods.—Silk Underwear.
Claims use since Apr. 27, 1922.

Ser. No. 195,291. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT G. HOLLAND, Seattle, Wash. Filed Apr. 10, 1924.

Kurall

H. G. H.

Particular description of goods.—Liquid Lotions for the Treatment of Joints.
Claims use since Mar. 1, 1924.

Ser. No. 195,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY LOU LEWIS, Americus, Ga. Filed Apr. 10, 1924.

GRO-TRU

Particular description of goods.—Hair Tonic for Straightening Hair and Hair Pomade.
Claims use since Mar. 22, 1924.

Ser. No. 195,458. (CLASS 25. LOCKS AND SAFES.) ROBERT D. PEARSON, Los Angeles, Calif. Filed Apr. 12, 1924.

SECURLOC

Particular description of goods.—Coin-Operated Door Locks.
Claims use since Nov. 1, 1923.

Ser. No. 195,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Apr. 12, 1924.

Sand SAW

CLOVIS

Particular description of goods.—Canned fruits and Canned Vegetables.
Claims use since Feb. 10, 1924.

Ser. No. 195,517. (CLASS 39. CLOTHING.) M. I. HALPERIN, Brooklyn, N. Y. Filed Apr. 14, 1924.

MAK-A-VEST

Particular description of goods.—Semimade Garments—Namely, Women's Undervests of Knitted Material.
Claims use since Apr. 5, 1924.

Ser. No. 195,545. (CLASS 39. CLOTHING.) FRED A. SMITH, Cleveland, Ohio. Filed Apr. 14, 1924.

Constance

Particular description of goods.—Ladies' Hosiery.
Claims use since about Jan. 3, 1924.

Ser. No. 195,565. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Apr. 15, 1924.

UNIQUE

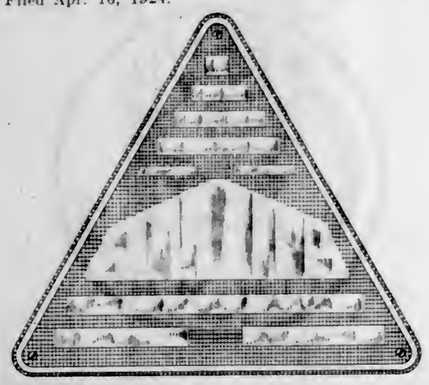
Particular description of goods.—Pencils.
Claims use since Oct. 1, 1907.

Ser. No. 195,651. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MOLLOY-SKELLY CARPET COMPANY, INC., New York, N. Y. Filed Apr. 16, 1924.

TA-SHANSI

Particular description of goods.—Textile Rugs.
Claims use since about Apr. 1, 1921.

Ser. No. 195,661. (CLASS 2. RECEPTACLES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Apr. 16, 1924.



No claim is made to the lining, which indicates yellow or gold on the drawing.
Particular description of goods.—Storage receptacles for oils
Claims use since Jan. 24, 1921.

Ser. No. 195,680. (CLASS 31. FILTERS AND REFRIGERATORS.) THE DURO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 17, 1924.

DURO

Particular description of goods.—Filters and Water Softeners.
Claims use since about July 1, 1923, to filters, and since about Dec. 8, 1923, to water softeners.

Ser. No. 195,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STUART ROY MACEWEN, doing business as The Neosol Company, Buffalo, N. Y. Filed Apr. 17, 1924.

NEOSOL

Particular description of goods.—Arsenical Drugs, and Particularly Solutions of Neoarsphenamine.
Claims use since May 1, 1923.

Ser. No. 195,740. (CLASS 32. FURNITURE AND UPHOLSTERY.) CONANT-BALL COMPANY, Boston, Mass. Filed Apr. 18, 1924.

C-B

Particular description of goods.—Household and Other Furniture—Namely, Windsor Chairs, Dining-Room Chairs, Bedroom Chairs, Rockers, and Benches, Office Chairs, Institution Chairs, Children's Chairs and Rockers, Living-Room Chairs and Rockers, Hall Chairs, Drop-Leaf Tables, Café Tables, End Tables, Gate-Leg Tables, Breakfast Sets, Tuck-Away Tables, Hutch Cabinets, Welch Cupboards, Dish Closets, Servers, Linen Cabinets, Buffets, Odd Chairs.
Claims use since on or about Mar. 17, 1916.

Ser. No. 195,742. (CLASS 38. PRINTS AND PUBLICATIONS.) CORTE PUBLISHING CO., New York, N. Y. Filed Apr. 18, 1924.

MARRIED LIFE

Particular description of goods.—Magazine Published Monthly.
Claims use since Feb. 17, 1924.

Ser. No. 195,743. (CLASS 39. CLOTHING.) BENJ. S. FREEDMAN CO., Scranton, Pa. Filed Apr. 18, 1924.

"Nunbettre"

Particular description of goods.—Hosiery.
Claims use since Apr. 7, 1924.

Ser. No. 195,786. (CLASS 37. PAPER AND STATIONERY.) THE TOLEDO MERCHANDISE COMPANY, Toledo, Ohio. Filed Apr. 18, 1924.

LADY LEE LINEN

No claim is made for the word "Linen" apart from the mark shown.
Particular description of goods.—Writing Paper, Tablets, and Envelopes.
Claims use since February, 1923.

Ser. No. 195,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDDLE WEST LABORATORIES, Bloomington, Ill. Filed Apr. 19, 1924.

MW

Particular description of goods.—Throat Tablets and a Preparation for Use as an Antiseptic and as a Healing Agent in the External Treatment of Wounds, Sores, Abrasions, Burns; Soreness of the Throat, Mouth, and Nose; Sore Eyes, Pyorrhea, for Use as a Gargle in the Treatment of Coughs.
Claims use since Mar. 15, 1924.

Ser. No. 195,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUELLA DICKINSON, Seattle, Wash. Filed Apr. 21, 1924.



Particular description of goods.—Lotion for Healing and Bleaching the Skin and for Removing Wrinkles, Freckles, and Blemishes.
Claims use since Apr. 14, 1924.

Ser. No. 195,879. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FUN SHOP, INC., New York, N. Y. Filed Apr. 21, 1924.



Particular description of goods.—Title for Newspaper Column.
Claims use since Mar. 31, 1924.

Ser. No. 195,891. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEE LASH FILMS, Mount Vernon and New York, N. Y. Filed Apr. 21, 1924.

Gallnoer's Troubles

Particular description of goods.—Motion-Picture Films.
Claims use since Feb. 13, 1924.

Ser. No. 195,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MELVILLE B. LEVI, Fresno, Calif. Filed Apr. 21, 1924.

FIG-TREAT

Particular description of goods.—Confection Composed of Figs and Nuts.
Claims use since Jan. 15, 1924.

Ser. No. 195,910. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE REINHARD ELECTRIC MOTOR COMPANY, Cleveland, Ohio. Filed Apr. 21, 1924.

REIMO

Particular description of goods.—Electric Motors.
Claims use since Mar. 20, 1924.

Ser. No. 195,921. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SUNRAY STOVE COMPANY, Delaware, Ohio. Filed Apr. 21, 1924.

MAGIC

Particular description of goods.—Gas Stoves and Ranges.
Claims use since June 1, 1913.

Ser. No. 195,922. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SUNRAY STOVE COMPANY, Delaware, Ohio. Filed Apr. 21, 1924.

HOME

Particular description of goods.—Gas Stoves and Ranges.
Claims use since Apr. 1, 1914.

Ser. No. 195,935. (CLASS 38. PRINTS AND PUBLICATIONS.) ALCO-GRAVURE INCORPORATED, New York, N. Y. Filed Apr. 22, 1924.

RADIOGRAPHIC

Particular description of goods.—Newspaper Supplements.
Claims use since Apr. 7, 1924.

Ser. No. 195,938. (CLASS 43. THREAD AND YARN.) J. E. BARBOUR COMPANY, Paterson, N. J. Filed Apr. 22, 1924.

"J. E. B."
BEST GILLING

The words "Best Gilling" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Thread.
Claims use since 1911.

Ser. No. 195,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE MEYER, Philadelphia, Pa. Filed Apr. 22, 1924.

BALM-O'SHEBA

Particular description of goods.—Antiseptics, Deodorizers, Disinfectants, Wound Powders, Germicides, and Vermicides.
Claims use since Apr. 19, 1924.

Ser. No. 195,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES P. SMITH & COMPANY, New York, N. Y. Filed Apr. 22, 1924. Under ten-year proviso.

DUPONT BRAND

Particular description of goods.—Canned Sardines.
Claims use since about 1887.

Ser. No. 196,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCO AMERICAN CHEMICAL WORKS, Carlstadt, N. J. Filed Apr. 23, 1924.

NARCOFORM

Particular description of goods.—Anesthetic.
Claims use since Apr. 17, 1924.

Ser. No. 196,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. NICHOLSON, Decatur, Ill. Filed Apr. 23, 1924.

TRADE N-O MARK
NICHOLSON'S OINTMENT

No claim is made to the words "Trade Mark" or "Nicholson's Ointment."
Particular description of goods.—Ointment.
Claims use since Feb. 22, 1921.

Ser. No. 196,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. NICHOLSON, Decatur, Ill. Filed Apr. 23, 1924.



The signature appearing in the drawing is a facsimile of the signature of the applicant. No claim is made to the words "Signature Thus—Trade-Mark, Decatur, Ill., U. S. A."
Particular description of goods.—Laxative.
Claims use since Aug. 4, 1920.

Ser. No. 196,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN TYLER, doing business as Interstate Laboratory, Cleveland, Ohio. Filed Apr. 23, 1924.

SANI-SEAL

Particular description of goods.—Pharmaceutical Preparation to be Applied Over Minor Wounds and Skin Abrasions and Which Upon Drying Forms a Waterproof Film, Protecting the Wound Against Infection.
Claims use since Dec. 19, 1918.

Ser. No. 196,042. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YAFFA BROS., Brooklyn, N. Y. Filed Apr. 23, 1924.

PEPSO-LANA

Trade-mark consists of the word "Pepso-Lana."
Particular description of goods.—Medicinal Treatment for Coughs and Colds.
Claims use since about Aug. 9, 1923.

Ser. No. 196,048. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BROOKLYN PERFEX CORP., Brooklyn, N. Y. Filed Apr. 24, 1924.

PERFEX

Particular description of goods.—Brooms, Mops, and Hat, Clothes, Hair, Shampoo, Massage, Bath, Manicure, Cloak, Sink, Stove, Pipe, Percolator, Milk-Bottle, and Shoe Brushes.
Claims use since March, 1924.

Ser. No. 196,049. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CALUMET STEEL COMPANY, Chicago, Ill. Filed Apr. 24, 1924.



No claim is made to the words "Ground Line" appearing on the accompanying drawing, nor to the representation of the goods apart from the trade-mark as shown and described herein, applicant reserving, however, all

common-law rights in the matter so disclaimed. Trade-mark consists in coloring the entire post one color—as, for instance, green as indicated by the shading in the accompanying drawing—and then coloring the base of the post from a point at or just above the ground line down with a contrasting color, as with a heavy extra coat of tough rust-resisting black asphaltum, thus making the post have a double-coated base.

Particular description of goods.—Metallic Fenceposts.
Claims use since Feb. 1, 1924.

Ser. No. 196,073. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Apr. 24, 1924.



No claim is made for the words "Pacific" and "Palm" apart from the mark shown.

Particular description of goods.—Soap.
Claims use since Oct. 8, 1923.

Ser. No. 196,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STROHMEYER & ARPE COMPANY, New York, N. Y. Filed Apr. 24, 1924.

FUMARINGHE

Particular description of goods.—Canned Fish.
Claims use since Jan. 1, 1924.

Ser. No. 196,084. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & WALLS, New York, N. Y. Filed Apr. 24, 1924.

SILKELEE

Trade-mark consists of the word "Silkelee."

Particular description of goods.—Shirtings in the Piece Manufactured from Cotton, Silk, Artificial Silk, or Mixtures Thereof.
Claims use since Nov. 8, 1923.

Ser. No. 196,096. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WHITE SHOWERS INC., Detroit, Mich. Filed Apr. 24, 1924.

WHITE SHOWERS

Particular description of goods.—Sprinkling Equipment for Lawns, Gardens, Truck Gardens, and Greenhouses.
Claims use since Feb. 25, 1924.

Ser. No. 196,109. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FERBEND ELECTRIC CO., Chicago, Ill. Filed Apr. 25, 1924.

Selectrap

Particular description of goods.—Devices for Preventing Interference in Radio Apparatus.
Claims use since Apr. 15, 1924.

Ser. No. 196,116. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Apr. 25, 1924.

Cutie

Particular description of goods.—Mouth Harmonicas.
Claims use since Apr. 19, 1924.

Ser. No. 196,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC WHOLESALE GROCERY CO., Los Angeles, Calif. Filed Apr. 25, 1924.

SILVER REY

Particular description of goods.—Canned Peaches, Pears, Plums, Cherries; Canned Spinach, Tomatoes, Corn, and Peas; Canned Soup, Mincemeat, Olive Oil, Tea, Coffee, Mustard, Cinnamon, Allspice; Dried Apples, Apricots, and Peaches; Peach and Pear Preserves; Apple, Raspberry, and Strawberry Jams; Chocolate, Cocoa, Wheat Flour, Hominy, Corn Grits, Rice, Oatmeal, Macaroni, Spaghetti, Canned Salmon and Sardines, Butter, Lard, Eggs, Sugar; American, American Full Cream, and Swiss-Style Cheese; Vanilla and Lemon Extracts for Food Purposes, Candy, Molasses, Corn Sirup for Food Purposes, Cakes, Crackers, Chili Sauce, Salad Dressing.
Claims use since Feb. 1, 1924.

Ser. No. 196,144. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WAPPLER ELECTRIC COMPANY, INC., Long Island City, N. Y. Filed Apr. 25, 1924.

RADIOTHERM

Particular description of goods.—High-Frequency Electric Machines Employed in Desiccation Surgery.
Claims use since about Sept. 30, 1923.

Ser. No. 196,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUARTE ORCHARDS COMPANY, doing business as Duarte-Monrovia Fruit Exchange, Duarte, Calif. Filed Apr. 26, 1924.

Young America

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 1, 1923.

Ser. No. 196,161. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, Robbinsdale, Minn. Filed Apr. 26, 1924.

Triple-X

Particular description of goods.—Monthly Publication.
Claims use since Apr. 15, 1924.

Ser. No. 196,179. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR ALLAN MOSS, Marion, Ind. Filed Apr. 26, 1924.

WINDY WOLF

Particular description of goods.—Heading for a Humor Column Syndicated to Weekly and Daily Newspapers, Trade Journals, House Organs, Magazines, and Other Periodicals Throughout America, Published in English, as Well as Foreign-Language Publications.
Claims use since Sept. 1, 1923.

Ser. No. 196,180. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR ALLAN MOSS, Marion, Ind. Filed Apr. 26, 1924.

WASHINGTON Inside Out

Particular description of goods.—Heading for a Newspaper Column Syndicated to Weekly and Daily Newspapers, Trade Journals, House Organs, Magazines, and Other Periodicals Throughout America, Published in English, as Well as Foreign-Language Publications, Said Column Being Written in Washington, Containing Washington News, National News, Paragraphs, Facts, Comments on National and International Affairs, Personal, Etc.
Claims use since Sept. 1, 1923.

Ser. No. 196,190. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Filed Apr. 26, 1924.

CELEBRATION

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, Dried Fruits, Nuts Salted and in Their Natural State, Canned Fruits, and Canned Vegetables.
Claims use since Jan. 26, 1924.

Ser. No. 196,192. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO FREQUENCY LABORATORIES, INC., Boonton, N. J. Filed Apr. 26, 1924.

AMPLITUNER

Particular description of goods.—Radio Equipment—Namely, Units Comprising Tuning Elements and a Stage of Tuned Radiofrequency Amplification.
Claims use since Apr. 5, 1924.

Ser. No. 196,195. (CLASS 38. PRINTS AND PUBLICATIONS.) RETAIL LEDGER PUBLISHING COMPANY, Philadelphia, Pa. Filed Apr. 26, 1924.

RETAIL LEDGER
The News-Magazine of Retail Business Management

"The News Magazine of Retail Management" appearing on the drawing being descriptive are disclaimed by applicant and are not sought to be registered as a part of the trade-mark.

Particular description of goods.—Semimonthly News Magazine.
Claims use since July 1, 1921.

Ser. No. 196,211. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass. Filed Apr. 26, 1924.



Particular description of goods.—Sheets and Bars of Brass or Copper or Alloys Thereof, Metal Castings and Forgings, and Extruded Shapes.
Claims use since Feb. 4, 1904.

Ser. No. 196,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. TAYLOR, North Wilkesboro, N. C. Filed Apr. 26, 1924.

ROLYAT

Particular description of goods.—Mouth Wash.
Claims use since about July 4, 1917.

Ser. No. 196,214. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TITAN MACHINE & MFG. CO., Cleveland, Ohio. Filed Apr. 26, 1924.

TITAN

Particular description of goods.—Honing Tools for Grinding Engine Cylinders and the Like.
Claims use since about November, 1923.

Ser. No. 196,232. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHICAGO BLOW PIPE CO., Chicago, Ill. Filed Apr. 28, 1924.

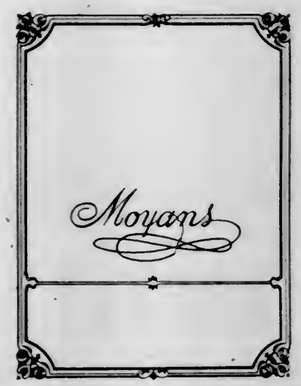


The partial representation of the goods appearing on the drawing does not form a part of the registration sought apart from the mark as shown.

Particular description of goods.—Shavings and Dust-Collecting Systems and Apparatus.

Claims use since 1919.

Ser. No. 196,246. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EMIL T. HENIUS, doing business as Moyans, Chicago, Ill. Filed Apr. 28, 1924.



Particular description of goods.—Nonalcoholic, Maltless Cordials Used for Beverage Purposes.

Claims use since Dec. 13, 1923.

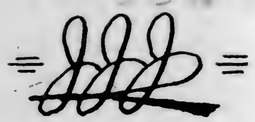
Ser. No. 196,271. (CLASS 38. PRINTS AND PUBLICATIONS.) T-A-D COMPANY, Chicago, Ill. Filed Apr. 28, 1924.



Particular description of goods.—Trading Cards.

Claims use since Mar. 1, 1924.

Ser. No. 196,283. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CLINTON WILLIAMS, Waco, Tex. Filed Apr. 28, 1924.



Particular description of goods.—Liniment.

Claims use since Mar. 1, 1924.

Ser. No. 196,308. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed Apr. 29, 1924.



The exclusive right to the use of the word "Cloth" apart from the mark as shown is disclaimed.

Particular description of goods.—Bleached Cotton Piece Goods.

Claims use since early in 1902.

Ser. No. 196,319. (CLASS 39. CLOTHING.) MAX SMITH, doing business as MAX SMITH COMPANY, Philadelphia, Pa. Filed Apr. 29, 1924.



Particular description of goods.—Ladies' Bathing Suits.

Claims use since Mar. 1, 1924.

Ser. No. 196,353. (CLASS 17. TOBACCO PRODUCTS.) THE ROBERT SINCLAIR TOBACCO COMPANY, LIMITED, Newcastle-on-Tyne, England. Filed Apr. 30, 1924.

GOLDEN PHEASANT

Particular description of goods.—Snuff and Smoking Tobacco.

Claims use since 1910.

Ser. No. 196,364. (CLASS 39. CLOTHING.) BERMAN BROS. & LINDEMAN CO. INC., Brooklyn, N. Y. Filed May 1, 1924.

Preferred

Particular description of goods.—Knitted Garments, and More Particularly Sweaters, Bathing Suits, Worsted Coats, Children's Leggings, Mufflers, Neckwear, Blouses, Dresses, Hats, Scarfs, and Suits.

Claims use since Apr. 7, 1924.

Ser. No. 196,386. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HANSON BROTHERS SCALE CO., Chicago, Ill. Filed May 1, 1924.



No claim is made to the word "Chicago" apart from the mark shown. The lining expresses the colors red and gold.

Particular description of goods.—Weighing Scales.

Claims use since Apr. 10, 1924.

Ser. No. 196,494. (CLASS 17. TOBACCO PRODUCTS.) ROSEDOR CIGARETTE CO., New York, N. Y. Filed May 1, 1924.

GOLD AND BROWN

Particular description of goods.—Cigarettes.

Claims use since Apr. 1, 1924.

Ser. No. 196,421. (CLASS 10. FERTILIZERS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed May 2, 1924.



Particular description of goods.—Fertilizer.

Claims use since January, 1924.

Ser. No. 196,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y. Filed May 2, 1924.

BELLE NOIX

No rights are asserted to the exclusive use of the term "Noix" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Walnuts in Their Natural State.

Claims use since November, 1923.

Ser. No. 196,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 2, 1924.



The facsimile signature appearing on the drawing is the signature of James I. Fellows, the founder of applicant's business, no claim being made to the exclusive use of the words "Tablets," "Trade-Mark," "Laxative," "Prepared and Guaranteed by the," "26 Christopher Street," and "New York, U. S. A." apart from the mark shown on the drawing.

Particular description of goods.—Laxative Tablets.

Claims use since Aug. 14, 1917.

Ser. No. 196,455. (CLASS 32. FURNITURE AND UPHOLSTERY.) GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y. Filed May 2, 1924.

GREENPOINT

Particular description of goods.—Bedsteads.
Claims use since about Aug. 19, 1913.

Ser. No. 196,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MILLERS MILLING CO., Enid, Okla. Filed May 2, 1924.

UNION SPECIAL

Particular description of goods.—Wheat Flour.
Claims use since Mar. 28, 1924.

Ser. No. 196,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES UDELL, and sometimes known as U-Del-Lay Laboratories, St. Louis, Mo. Filed May 2, 1924.

HAIR  LAY

The portrait appearing upon the drawing is fanciful.
Particular description of goods.—Hair Tonic and Fixative.
Claims use since Apr. 15, 1916.

Ser. No. 196,499. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed May 3, 1924.

DEARHART

Particular description of goods.—Textile Articles—Namely, Hosiery.
Claims use since May 1, 1924.

Ser. No. 196,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAW'S LUNG-EASE MFG. CO., Dallas, Tex. Filed May 3, 1924.

Lung-Ease

Particular description of goods.—Internal Medicine for the Treatment of Tuberculosis, Pneumonia, and Asthma.
Claims use since Apr. 19, 1924.

Ser. No. 196,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANGO TANI CORPORATION, Brooklyn and Coney Island, N. Y. Filed May 3, 1924.

FNORI

Particular description of goods.—Shampoos in Powder, Liquid, and Paste Form, and Hair Tonic.
Claims use since about Mar. 1, 1924.

Ser. No. 196,542. (CLASS 2. RECEPTACLES.) NOVELTY PRODUCTS, INC., Chicago, Ill. Filed May 3, 1924.

French Edge Croustads

Exclusive use of the word "Croustads" is disclaimed.
Particular description of goods.—Containers for Food Products or in Which Food is Served or is Molded to a Desired Shape.
Claims use since March, 1924.

Ser. No. 196,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. F. STRAUB LABORATORIES, INC., Chicago, Ill. Filed May 3, 1924.

PIPEENE

Particular description of goods.—Chemical Solvent for Cleaning the Stems and Bowls of Tobacco Pipes and Cigarette Holders.
Claims use since Feb. 1, 1923.

Ser. No. 196,565. (CLASS 38. PRINTS AND PUBLICATIONS.) F. J. BABCOCK, doing business as Babcock Laboratories, Chicago, Ill. Filed May 5, 1924.



Particular description of goods.—Monthly Health Publication.
Claims use since Mar. 18, 1924.

Ser. No. 196,585. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed May 5, 1924.

FLEXALL

Particular description of goods.—Leather.
Claims use since about Mar. 1, 1924.

Ser. No. 196,602. (CLASS 38. PRINTS AND PUBLICATIONS.) MARYLAND AGRICULTURAL SOCIETY, THE MARYLAND FARM BUREAU FEDERATION, Baltimore, Md. Filed May 5, 1924.

MARYLAND FARM BUREAU CO-OP

Particular description of goods.—Paper Published Twice Every Month.
Claims use since June 9, 1923.

Ser. No. 196,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES ROMANO, New York, N. Y. Filed May 5, 1924.



No claim is made to the words "Liquid Cream" apart from the trade-mark as shown on the drawing.
Particular description of goods.—Liquid Toilet Cream.
Claims use since Apr. 22, 1924.

Ser. No. 196,645. (CLASS 2. RECEPTACLES.) BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed May 6, 1924.

AROLYN

Particular description of goods.—Spectacle Cases.
Claims use since March, 1924.

Ser. No. 196,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES F. OPITZ, doing business as Vilamar, Perfumer, Long Island City, N. Y. Filed May 6, 1924.

TALCLOUD

Particular description of goods.—Talc for Use as a Toilet Powder.
Claims use since Apr. 23, 1923.

Ser. No. 196,712. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REPUBLIC VARNISH COMPANY, Newark, N. J. Filed May 7, 1924.

REPCO

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Paint Enamels, Varnish, and Lacquers.
Claims use since Apr. 14, 1924.

Ser. No. 196,715. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SILENT GLOW OIL BURNER CORPORATION, West Hartford, Conn. Filed May 7, 1924.

SILENT GLOW

Particular description of goods.—Oil Burners.
Claims use since about Apr. 25, 1924.

Ser. No. 196,782. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HENRY R. WOODWARD, doing business as Simple Device Co., Washington, D. C. Filed May 8, 1924.

"Don't-Snore"

Particular description of goods.—Nostril Expanders.
Claims use since about Apr. 1, 1907.

Ser. No. 196,796. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE EDNA BRASS MFG. CO., Cincinnati, Ohio. Filed May 9, 1924.

EDNA

Particular description of goods.—Alarm Valves, Boiler Check Valves, Line Check Valves, Starting Valves, Injector Starting Valves, Compound Forcer Steam Valves, Main Steam Valves, Combined Stop and Check Valves, Blower Valves, Steam-Chest Relief Valves, Intermediate Stem Guided Line Check Valves, Intermediate Swing Line Check Valves, Intermediate Line Check Valves, Double Boiler Check Valves, Combination Boiler Check and Stop Valves, Balanced-Lever Starting Valves, Turret-Type Main Steam Valves, Vertical Check Valves with Stop Valves, Reversible Check Valves with Stop Valves, Cylinder Cocks, Gauge Cocks, Steam-Gauge Cocks, and Tank Cocks.
Claims use since July 1, 1910.

Ser. No. 196,813. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KIMBLE GLASS COMPANY, Vineland, N. J., and Chicago, Ill. Filed May 9, 1924.

NORMAX

Particular description of goods.—Graduated Chemical and Laboratory Glassware.
Claims use since August, 1920.

Ser. No. 196,854. (CLASS 38. PRINTS AND PUBLICATIONS.) EARNSHAW SALES COMPANY, Chicago, Ill. Filed May 10, 1924.

MOTHER HELPS

Particular description of goods.—Magazine Published Monthly.
Claims use since on or about Sept. 1, 1923.

Ser. No. 196,855. (CLASS 38. PRINTS AND PUBLICATIONS.) EARNSHAW SALES COMPANY, Chicago, Ill. Filed May 10, 1924.

The INFANTS' & CHILDREN'S DEPARTMENT

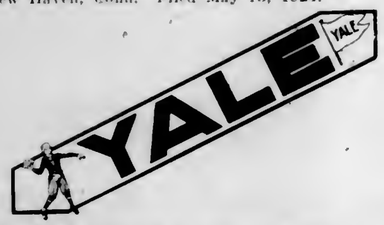
Particular description of goods.—Magazine Published Monthly.
Claims use since on or about Jan. 1, 1923.

Ser. No. 196,958. (CLASS 45. BEVERAGES, NONALCOHOLIC.) IDEAL BOTTLING COMPANY, Boston, Mass. Filed May 13, 1924.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage and Syrups and Extracts Used in the Manufacture of Beverages Sold as a Soft Drink.
Claims use since Apr. 25, 1924.

Ser. No. 196,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW HAVEN BREAD CO., New Haven, Conn. Filed May 13, 1924.



Particular description of goods.—Macaroni.
Claims use since Feb. 1, 1924.

Ser. No. 196,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 13, 1924.

ALLERTON FARM

Particular description of goods.—Catchup, Eggs in the Shell, Canned Milk, Creamery Butter, and Apple Butter.
Claims use since 1919.

Ser. No. 197,022. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL OPTICAL COMPANY, INC., Mount Vernoh, N. Y. Filed May 14, 1924.

GENOTHALMIC

Particular description of goods.—Chair Attachments for Holding Ophthalmological Apparatus, Unit Standards for Ophthalmological Instruments, Wall Bracket Supports for Ophthalmological Apparatus, Optical Test Charts, and Phoro-Optometers (Refractors).
Claims use since Jan. 1, 1923, applied to chair attachments for holding ophthalmological apparatus, to wall bracket supports for ophthalmological apparatus, and to optical test charts; since July 1, 1922, to unit standards for ophthalmological instruments; since Jan. 1, 1922, to phoro-optometers (refractors).

Ser. No. 197,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis. Filed May 14, 1924.

TEENIE WEENIE

Particular description of goods.—Canned Vegetables.
Claims use since July 15, 1920.

Ser. No. 197,041. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa. Filed May 14, 1924.

PON-JOLA

Particular description of goods.—Flavoring Extracts for Beverage Purposes.
Claims use since Mar. 1, 1924.

Ser. No. 197,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRINER-NULL COFFEE COMPANY, Vincennes, Ind. Filed May 15, 1924.

OLD POST

Particular description of goods.—Peanut Butter.
Claims use since about May 1, 1922.

Ser. No. 197,076. (CLASS 45. BEVERAGES, NONALCOHOLIC.) A. J. HAUCK WATER COMPANY, Pittsburgh, Pa. Filed May 15, 1924.



Applicant disclaims use of words "Guffey," "Colorado," and "Natural Mineral Water."
Particular description of goods.—Mineral Water.
Claims use since Apr. 21, 1924.

Ser. No. 197,083. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed May 15 1924.

Dual

Particular description of goods.—Rubber Reducing Garments.
Claims use since Feb. 15, 1924.

Ser. No. 197,084. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed May 15, 1924.

DUAL

Particular description of goods.—Rubber Sheeting.
Claims use since Apr. 10, 1895.

Ser. No. 197,137. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DARMAC COMPANY, New York, N. Y. Filed May 16, 1924.

DARMAC

Particular description of goods.—Cooking Grills.
Claims use since May 8, 1924.

Ser. No. 197,144. (CLASS 38. PRINTS AND PUBLICATIONS.) FRUIN-COLNON CONTRACTING COMPANY, St. Louis, Mo. Filed May 16, 1924.

Current Construction

The trade-mark consists of the words "Current Construction."
Particular description of goods.—Periodical Magazine.
Claims use since April, 1920.

Ser. No. 197,147. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GEO. GUNTHER JR. BREWING CO., Baltimore, Md. Filed May 16, 1924.

"YULIKIT"

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since about Apr. 1, 1922.

Ser. No. 197,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Hawaii. Filed May 16, 1924.

HOSPITALITY

Particular description of goods.—Canned Pineapple.
Claims use since Apr. 15, 1924.

Ser. No. 197,207. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK O. MCNAB, doing business as The Southern Remedy Company, Tampa, Fla. Filed May 17, 1924.

TAMPALAX

Particular description of goods.—Tonic Laxative Medicine Recommended for Use for Disorders of the Stomach, Liver, Kidneys, Bowels, and Blood.
Claims use since Apr. 18, 1924.

Ser. No. 197,211. (CLASS 2. RECEPTACLES.) THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Filed May 17, 1924.

STEELCRAFT

Particular description of goods.—Porch Boxes, Wash and Drain Tubs, Milk-Bottle Crates and Holders, and Waste Containers.
Claims use since June, 1922.

Ser. No. 197,217. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa. Filed May 17, 1924.

TUXEDO

Particular description of goods.—Flavoring Extracts for Beverage Purposes.
Claims use since Feb. 1, 1919.

Ser. No. 197,229. (CLASS 38. PRINTS AND PUBLICATIONS.) THOMPSON-BROGAN CO., Yonkers, N. Y. Filed May 17, 1924.

ILLUSTRATED
TRAFFIC LAWS

Particular description of goods.—Annual Publication.
Claims use since Apr. 28, 1924.

Ser. No. 197,230. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TILEY PRATT CO., Essex, Conn. Filed May 17, 1924.

ALLWEATHER

Particular description of goods.—Nipples and Steel Spokes.
Claims use since Apr. 2, 1924.

Ser. No. 197,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WHITE WONDER COMPANY, Montgomery, Ala. Filed May 17, 1924.

RUNION'S WHITE WONDER

Particular description of goods.—Salve for the Treatment of Headaches, Neuralgia, Rheumatism, Colds, Coughs, Croup, Burns, Tonsilitis, Pneumonia, Eczema, Boils, Bruises, Sores, Sprains, Swollen and Stiff Joints, Lumbago, Pains, Mumps, Cuts, Chaps, Asthma, Bronchitis, Catarrh, Sore Throat, Hoarseness, Whooping Cough, Toothache, Sunburn, and Similar Ailments.
Claims use since early in 1916.

Ser. No. 197,263. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOS. A. DUTHIE, doing business as Duthie & Company, Portland, Oreg. Filed May 19, 1924.

ENSIGN

Particular description of goods.—Fresh Apples.
Claims use since Feb. 15, 1924.

Ser. No. 197,298. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RURAL PUBLISHING CORP., Chicago, Ill. Filed May 19, 1924.

Weird Tales

Particular description of goods.—Monthly Publication.
Claims use since Feb. 12, 1923.

Ser. No. 197,314. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BELL SYNDICATE, INC., New York, N. Y. Filed May 20, 1924.

JOE AND ASBESTOS

Particular description of goods.—Series of Cartoons.
Claims use since Mar. 31, 1924.

Ser. No. 197,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISRAEL S. KLEINER, doing business as Nutrivoid Diabetic Flour Co., Brooklyn, N. Y. Filed May 20, 1924.

NUTRIVOID

The trade-mark consists of the word "Nutrivoid."
Particular description of goods.—Flour for a Preparation of Foods for the Treatment of Diabetes, Obesity, and Constipation.
Claims use since Mar. 7, 1924.

Ser. No. 197,385. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW HILL COMPANY, INC., New York, N. Y. Filed May 21, 1924.

The Industrial Market

Particular description of goods.—Trade Journal Published Monthly and Distributed to Advertising Agencies.
Claims use since Apr. 1, 1924.

Ser. No. 197,439. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORSE D. LEVITT, doing business as Morse D. Levitt Company, New York, N. Y. Filed May 22, 1924.

Crosbury

Particular description of goods.—Woolen Piece Goods.
Claims use since January, 1923.

Ser. No. 197,462. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WHITE SULPHUR SPRINGS, INC., White Sulphur Springs, W. Va. Filed May 22, 1924.



Particular description of goods.—Mineral Waters.
Claims use since February, 1910.

Ser. No. 197,486. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WALTER M. JONES, Stamford, Conn. Filed May 23, 1924.

RADIOTITE

Particular description of goods.—Metallic Substance; Under Normal Conditions of Temperature It is Plastic; It is of High Electric Conductivity and of High Resistance to Corrosion and Oxidation Under Normal Conditions; It is Readily Changed Physically by Heat and Pressure.
Claims use since May 6, 1924.

Ser. No. 197,506. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HORACE TOWNSEND, Roxborough, Philadelphia, Pa. Filed May 23, 1924.

MIQUON

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since January, 1924.

Ser. No. 197,509. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

MOON MULLINS

Particular description of goods.—Series of Cartoons.
Claims use since on or about June 19, 1923.

Ser. No. 197,510. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

WHEN WORDS FAIL YUH

Particular description of goods.—Series of Cartoons.
Claims use since on or about Apr. 8, 1923.

Ser. No. 197,511. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

SMITTY

Particular description of goods.—Series of Cartoons.
Claims use since on or about Oct. 17, 1922.

Ser. No. 197,512. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

HEROES of the WEEK

Particular description of goods.—Series of Cartoons.
Claims use since on or about Sept. 16, 1923.

Ser. No. 197,513. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

A STRAIN ON THE FAMILY TIE

Particular description of goods.—Series of Cartoons.
Claims use since on or about Apr. 8, 1923.

Ser. No. 197,523. (CLASS 32. FURNITURE AND UPHOLSTERY.) WELFARE INCORPORATED, Missoula, Mont. Filed May 23, 1924.



Particular description of goods.—School Desks and Book Rests.
Claims use since Mar. 15, 1924.

Ser. No. 197,563. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING CO. INC., New York, N. Y. Filed May 24, 1924.

SENSATION

Trade-mark consists of the word "Sensation."
Particular description of goods.—Hair Nets.
Claims use since Mar. 6, 1924.

Ser. No. 197,703. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. BYRNE, New York, N. Y. Filed May 28, 1924.



Particular description of goods.—Eggs.
Claims use since Apr. 15, 1924.

Ser. No. 197,706. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DAYTON SCALE COMPANY, Dayton, Ohio. Filed May 28, 1924.

Dasco

Particular description of goods.—Weighing Scales.
Claims use since Apr. 23, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 8, 1924.

186,256. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed March 10, 1924. Serial No. 193,508. PUBLISHED APRIL 29, 1924.

186,257. ANNOUNCEMENTS, BUSINESS STATIONERY, SOCIAL STATIONERY, AND MAILING ENVELOPES. HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass.
Filed March 13, 1924. Serial No. 193,707. PUBLISHED APRIL 22, 1924.

186,258. COVER PAPER, BOOK, PRINTING, AND WRITING PAPERS. THE WHITAKER PAPER COMPANY, Baltimore, Md.
Filed March 8, 1924. Serial No. 193,483. PUBLISHED APRIL 22, 1924.

186,259. METAL AND GLASS POLISH. TWINKLE POLISH CORPORATION, Brooklyn, N. Y.
Filed March 7, 1924. Serial No. 193,430. PUBLISHED APRIL 22, 1924.

186,260. SAPONACEOUS COMPOUND. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed March 7, 1924. Serial No. 193,426. PUBLISHED APRIL 22, 1924.

186,261. SARSAPARILLA AND GINGER ALE. SCHONEBERGER AND NOBLE, INC., New York, N. Y.
Filed March 7, 1924. Serial No. 193,421. PUBLISHED APRIL 29, 1924.

186,262. CERTAIN NAMED TEXTILES. N. Y. COTTON STORES INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,303. PUBLISHED APRIL 29, 1924.

186,263. LIQUID SOAP. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,333. PUBLISHED APRIL 22, 1924.

186,264. CELERY. HYMAN MOHILEWSKY, Buffalo, N. Y.
Filed March 4, 1924. Serial No. 193,236. PUBLISHED APRIL 22, 1924.

186,265. PASTE. TACKS MANUFACTURING COMPANY, Utica, N. Y.
Filed March 1, 1924. Serial No. 193,141. PUBLISHED APRIL 22, 1924.

186,266. LIQUID SOAP. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,107. PUBLISHED APRIL 22, 1924.

186,267. LIQUID SOAP. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,104. PUBLISHED APRIL 22, 1924.

186,268. LIQUID SOAP. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,100. PUBLISHED APRIL 22, 1924.

186,269. DRESSING OIL SUITABLE FOR SOFTENING AND PRESERVING ARTICLES OF LEATHER AND SIMILAR SUBSTANCES. FAATZ MANUFACTURING CO., Fredericksburg, Va.
Filed February 29, 1924. Serial No. 193,035. PUBLISHED APRIL 22, 1924.

186,270. SOAP. THE EAVEY COMPANY, Xenia, Ohio: Fort Wayne, Richmond, and Huntington, Ind., and Sturgis, Mich.
Filed February 29, 1924. Serial No. 193,034. PUBLISHED APRIL 22, 1924.

186,271. BUFFING AND POLISHING COMPOUND IN CAKE FORM FOR METALS, HARD RUBBER, AND CELLULOID. THE MATCHLESS METAL POLISH COMPANY, Chicago, Ill., and Glen Ridge, N. J.
Filed February 28, 1924. Serial No. 192,983. PUBLISHED APRIL 22, 1924.

186,272. ROPE, BELT, AND CORDAGE DRESSING AND PASTE. FRONTIER MANUFACTURING COMPANY, North Tonawanda, N. Y.
Filed February 28, 1924. Serial No. 192,969. PUBLISHED APRIL 22, 1924.

186,273. ALUMINUM CLEANSER. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 28, 1924. Serial No. 192,954. PUBLISHED APRIL 22, 1924.

186,274. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 28, 1924. Serial No. 192,952. PUBLISHED APRIL 15, 1924.

186,275. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 28, 1924. Serial No. 192,951. PUBLISHED APRIL 15, 1924.

186,276. RECEPTACLES MADE OF CELLULOID OR SIMILAR MATERIAL, COMPRISING PIN TRAYS, PUFF BOXES, POWDER BOXES, VANITY BOXES, SALVE BOXES, HATPIN HOLDERS, TOOTHBRUSH HOLDERS, AND CLOCK HOLDERS. J. C. DOWD & CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,898. PUBLISHED APRIL 22, 1924.

186,277. SOAP. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed February 26, 1924. Serial No. 192,846. PUBLISHED APRIL 22, 1924.

186,278. COFFEE. GUSTAVUS G. BUSE, Buffalo, N. Y.
Filed March 10, 1924. Serial No. 193,501. PUBLISHED APRIL 29, 1924.

186,279. FRESH CITROUS FRUITS. BABSON PARK CITRUS GROWERS ASSOCIATION, Babson Park, Fla.
Filed March 11, 1924. Serial No. 193,565. PUBLISHED APRIL 29, 1924.

186,280. GAS BURNERS. GEO. BRAY & CO., LIMITED, Leeds, England.
Filed March 11, 1924. Serial No. 193,569. PUBLISHED APRIL 29, 1924.

186,281. FRESH GRAPES. EARL FRUIT COMPANY, San Francisco, Calif.
Filed March 11, 1924. Serial No. 193,578. PUBLISHED APRIL 29, 1924.

186,282. FRESH GRAPES. EARL FRUIT COMPANY, San Francisco, Calif.
Filed March 11, 1924. Serial No. 193,579. PUBLISHED APRIL 29, 1924.

186,283. SEWING SILK AND EMBROIDERY SILK. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 11, 1924. Serial No. 193,583. PUBLISHED APRIL 22, 1924.

186,284. SILK PIECE GOODS. BLEYER & WEINBERG, New York, N. Y.
Filed March 12, 1924. Serial No. 193,653. PUBLISHED APRIL 29, 1924.

186,285. SILK PIECE GOODS. BLEYER & WEINBERG, New York, N. Y.
Filed March 12, 1924. Serial No. 193,654. PUBLISHED APRIL 29, 1924.

186,286. SILK PIECE GOODS—NAMELY, DRESS FABRICS. BLEYER & WEINBERG, New York, N. Y.
Filed March 12, 1924. Serial No. 193,656. PUBLISHED APRIL 29, 1924.

186,287. HAIRCLOTH, COTTON AND WOOLEN PIECE GOODS AND COMBINATIONS THEREOF. MAXWELL A. EMERLING, doing business as Knickerbocker Hair Cloth Co., New York, N. Y.
Filed March 12, 1924. Serial No. 193,665. PUBLISHED APRIL 29, 1924.

186,288. FRESH CITROUS FRUITS. SUNLAND PACKING HOUSE CO., Porterville and Sunland, Calif.
Filed March 12, 1924. Serial No. 193,685. PUBLISHED APRIL 29, 1924.

186,289. CANDY. WEINSTEIN & SMITH, doing business as Mary Anna Candy Company, Washington, D. C.
Filed March 12, 1924. Serial No. 193,689. PUBLISHED APRIL 29, 1924.

186,290. FRESH CITROUS FRUITS. COLLEGE HEIGHTS ORANGE & LEMON ASSOCIATION, Claremont, Calif.
Filed March 13, 1924. Serial No. 193,697. PUBLISHED APRIL 29, 1924.

186,291. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUIT, AND CANNED FISH. WILLIAM J. MARSHALL, doing business as Sunsown Packing Company, San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,775. PUBLISHED APRIL 29, 1924.

186,292. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUIT, AND CANNED FISH. WILLIAM J. MARSHALL, doing business as Sunsown Packing Company, San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,776. PUBLISHED APRIL 29, 1924.

186,293. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUIT, AND CANNED FISH. WILLIAM J. MARSHALL, doing business as Sunsown Packing Company, San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,777. PUBLISHED APRIL 29, 1924.

186,294. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,821. PUBLISHED APRIL 29, 1924.

186,295. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUIT, AND CANNED FISH. WILLIAM J. MARSHALL, doing business as Sunsown Packing Company, San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,778. PUBLISHED APRIL 29, 1924.

186,296. FRESH VEGETABLES. CHAS. E. NOSLER, doing business as Nosler Fruit Co., San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,780. PUBLISHED APRIL 29, 1924.

186,297. COTTON PIECE GOODS AND WOOLEN PIECE GOODS. RICE STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,959. PUBLISHED APRIL 29, 1924.

186,298. WHEAT FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex.
Filed February 27, 1922. Serial No. 159,897. PUBLISHED NOVEMBER 7, 1922.

186,299. HONEY. WILLIAM P. SOUTHWORTH, doing business as North American Honey Distributors, Sioux City, Iowa.
Filed April 26, 1922. Serial No. 162,955. PUBLISHED APRIL 1, 1924.

186,300. FRESH FRUIT—VIZ, ORANGES, LEMONS, APPLES, PEARS, CANTALOUPES, AND FRESH VEGETABLES—VIZ. ASPARAGUS. HUNT, HATCH & Co., Oakland, Calif.
Filed June 7, 1922. Serial No. 165,137. PUBLISHED OCTOBER 9, 1923.

186,301. SOAP. WINDSOR SOAP CO., INC., Buffalo, N. Y.
Filed June 26, 1922. Serial No. 166,118. PUBLISHED DECEMBER 12, 1922.

186,302. WHITE SHOE POLISH. REE-LE-GOOD MANUFACTURING CO., Cleveland, Ohio.
Filed July 26, 1922. Serial No. 167,428. PUBLISHED APRIL 8, 1924.

186,303. MILL SUPPLIES. WALLACE H. ROBB, Syracuse, N. Y., assignor to Kasunda Supply Co., Inc., Syracuse, N. Y.
Filed August 30, 1922. Serial No. 168,902. PUBLISHED APRIL 22, 1924.

186,304. RAZOR-STROP COATINGS AND SOFTENERS. WILLIAM W. CHARLES, doing business as Diamond Dust Company, Decatur, Ill.
Filed December 30, 1922. Serial No. 173,997. PUBLISHED APRIL 22, 1924.

186,305. CLEANSING AND SOAP COMPOUNDS. THE CHOZINE PRODUCTS COMPANY, New York, N. Y.
Filed December 30, 1922. Serial No. 174,013. PUBLISHED APRIL 22, 1924.

186,306. LIQUID SOAP. OCEE JUSTUS, doing business as Rado Manufacturing Company, Muncie, Ind.
Filed January 11, 1923. Serial No. 174,455. PUBLISHED APRIL 24, 1923.

186,307. JOURNAL BOXES FOR RAILWAY VEHICLES. TRUCK SIDE FRAMES; DRAFT-RIGGING PARTS — NAMELY, YOKES, CHEEK PLATES, BACK STOPS, AND DRAFT KEYS. THE T. H. SYMINGTON COMPANY, New York and Rochester, N. Y.
Filed January 12, 1923. Serial No. 174,541. PUBLISHED APRIL 22, 1924.

186,308. MEN'S OVERCOATS, COATS, VESTS, AND PANTS. ROSENBERG BROS. & CO. INC., Rochester, N. Y.
Filed January 10, 1924. Serial No. 190,654. PUBLISHED APRIL 22, 1924.

186,309. CANDY. B. L. JOHNSON & CO., INC., also doing business as Johnson's, Knoxville, Tenn.
Filed March 29, 1923. Serial No. 178,254. PUBLISHED JANUARY 1, 1924.

186,310. CERTAIN NAMED BOOKS. THE RONALD PRESS COMPANY, New York, N. Y.
Filed January 26, 1924. Serial No. 191,346. PUBLISHED APRIL 15, 1924.

186,311. LIQUID FOR REMOVING STAINS FROM WEARING APPAREL. J. W. RICE, doing business as National Petroleum Products Company, San Francisco, Calif.
Filed January 26, 1924. Serial No. 191,342. PUBLISHED APRIL 22, 1924.

186,312. MAP CABINETS. GEORGE FOSTER KELLY, Tulsa, Okla.
Filed January 26, 1924. Serial No. 191,323. PUBLISHED APRIL 15, 1924.

186,313. WATERPROOFING COMPOUND FOR USE IN CONNECTION WITH AUTO TOPS, RUBBER, CANVAS, AND LEATHER GOODS. CLAUDE SLEEP, Hartsville, Mass.
Filed January 23, 1924. Serial No. 191,189. PUBLISHED APRIL 8, 1924.

186,314. DISPENSING CABINET FOR BOTTLED GOODS. ICY-O METAL PRODUCTS CO., INC., Charlotte, N. C.
Filed January 22, 1924. Serial No. 191,130. PUBLISHED APRIL 22, 1924.

186,315. PERIODIC PUBLICATIONS, PARTICULARLY QUARTERLY MAGAZINES. THEATER EQUIPMENT DIRECTORY COMPANY, Chicago, Ill.
Filed January 21, 1924. Serial No. 191,103. PUBLISHED APRIL 8, 1924.

186,316. PAPER USED IN CORRESPONDENCE AND BUSINESS STATIONERY. THE WEBB LITHOGRAPH COMPANY, Cleveland, Ohio.
Filed January 19, 1924. Serial No. 191,047. PUBLISHED APRIL 22, 1924.

186,317. LEATHER, COTTON DUCK, OR RUBBER AND COMBINATION OF COTTON DUCK AND RUBBER BELTINGS; ASBESTOS, RUBBER, OR COTTON DUCK AND COMBINATION OF RUBBER AND COTTON DUCK PACKINGS; AND RUBBER HOSE. FOSTER-ALEXANDER CORPORATION, Birmingham, Ala.
Filed January 19, 1924. Serial No. 191,011. PUBLISHED APRIL 22, 1924.

186,318. TRANSFORMATIONS, HAIR PIECES, SWITCHES, POMPADOURS. A. BRESLAUER, INC., New York, N. Y.
Filed January 19, 1924. Serial No. 190,998. PUBLISHED APRIL 8, 1924.

186,319. FACE POWDER. FRANK M. PRINDLE, doing business as Frank M. Prindle & Co., New York, N. Y.
Filed January 18, 1924. Serial No. 190,978. PUBLISHED MARCH 18, 1924.

186,320. TABLE SLIDE BARS. WATERTOWN TABLE SLIDE COMPANY, Watertown, Wis.
Filed January 14, 1924. Serial No. 190,822. PUBLISHED APRIL 8, 1924.

186,321. CHILDREN'S PLAY SUITS, BOYS' SHIRTS, OVERALLS, WORK CLOTHING, AND MEN'S WORK SHIRTS. RICHARDSON DRY GOODS COMPANY, St. Joseph, Mo.
Filed January 14, 1924. Serial No. 190,809. PUBLISHED APRIL 22, 1924.

186,322. OVERALLS, PANTS, KNICKERS, WORK, NEGLIGEE, AND DRESS SHIRTS; ATHLETIC FABRIC UNDERWEAR (UNION SUITS, DRAWERS, AND SHIRTS) FOR MEN AND WOMEN; WOMEN'S DRESSES, CHILDREN'S WASH SUITS, AND MEN'S SUITS AND TROUSERS. THE BLACK MANUFACTURING CO., Seattle, Wash.
Filed January 14, 1924. Serial No. 190,757. PUBLISHED APRIL 22, 1924.

186,323. SPINET DESKS, TABLES FOR LIVING ROOM, LADIES' DESKS, GATE-LEG TABLES, BREAKFAST-ROOM FURNITURE, TEA WAGONS, BOOKSTANDS, BOOK ENDS, SEWING CABINETS, BOOK TROUGHS, MAGAZINE RACKS, COFFEE TABLES, TEA TABLES, TILT-TOP TABLES, CONSOLE TABLES, AND MIRRORS. WILHELM FURNITURE COMPANY, Sturgis, Mich.
Filed January 10, 1924. Serial No. 190,662. PUBLISHED APRIL 15, 1924.

186,324. OVERALLS, PANTS, JUMPERS, AND WORK SHIRTS. SPRINGFIELD GROCER CO., Springfield, Mo.
Filed January 10, 1924. Serial No. 190,659. PUBLISHED APRIL 22, 1924.

186,325. NAME AND DESIGNATION OF A MONTHLY MAGAZINE OR PERIODICAL. THE BIG STORE CO., Cincinnati, Ohio.
Filed January 10, 1924. Serial No. 190,629. PUBLISHED APRIL 22, 1924.

186,326. LEATHER AND SHEEP LINED COATS, VESTS, CAPS, AND BREECHES. WERBER LEATHER COAT CO. INC., Poughkeepsie, N. Y.
Filed January 9, 1924. Serial No. 190,623. PUBLISHED APRIL 22, 1924.

186,327. WOVEN HEMP TEXTILE FABRICS, BOTH IN PIECE GOODS AND CUT PIECES. LOWELL BLEACHERY, Lowell, Mass.
Filed January 9, 1924. Serial No. 190,601. PUBLISHED APRIL 29, 1924.

186,328. BRAKE LINING, MACHINERY PACKING, AND HOSE AND BELTING OF RUBBER AND FABRIC; RUBBER VALVES, RUBBER SPIRAL PACKING, RUBBER SHEET PACKING, RUBBER PISTON SLEEVES, PACKING-HEAD RUBBERS, BLOW-OUT-PREVENTER RUBBERS, CUP LEATHERS, ASBESTOS FRICTION SLABS, TAPE COMPRISING UNTREATED BRAKE-LINING FABRIC. E. M. SMITH CO., Los Angeles, Calif.
Filed January 2, 1924. Serial No. 190,362. PUBLISHED APRIL 22, 1924.

186,329. YELLOW-CORN CHOP, SOFT-WHEAT BRAN, SOFT-WHEAT MILL-RUN, MIXED FEED, SOFT-WHEAT SHORTS, HOG FEED, ALFALFA MOLASSES FEED, HORSE AND MULE FEED, HEN SCRATCH, CHICK SCRATCH, LAYING MASH, CREAM MEAL, AND CORN MEAL. HOLLAND O'NEAL MILLING CO., Mount Vernon and Springfield, Mo.
Filed October 12, 1923. Serial No. 186,905. PUBLISHED FEBRUARY 12, 1924.

186,330. CERTAIN NAMED LINENS, PIECE GOODS, AND RUGS. L. FEIBLEMAN & CO., INC., New Orleans, La.
Filed September 7, 1923. Serial No. 185,454. PUBLISHED APRIL 29, 1924.

186,331. CONFECTIONS IN THE FORM OF FROZEN BANANA COATED WITH CHOCOLATE. JOHN RAVIZZA, New Britain, Conn.
Filed July 30, 1923. Serial No. 183,852. PUBLISHED NOVEMBER 27, 1923.

186,332. SOAPS, WASHING POWDERS, SOAP POWDERS, AND SOAPS FOR USE IN THE TEXTILE AND TANNING INDUSTRIES. RÖHM & HAAS AKTIENGESELLSCHAFT, Darmstadt, Germany.
Filed July 21, 1923. Serial No. 183,540. PUBLISHED APRIL 22, 1924.

186,333. GENERAL CLEANING PREPARATION FOR HOUSEHOLD AND LIKE USES. LAWRENCE MANUFACTURING CO. INC., Hoboken, N. J.
Filed July 17, 1923. Serial No. 183,338. PUBLISHED APRIL 22, 1924.

186,334. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, AND GREEN VEGETABLES. FRANCIS S. ECKEL, Los Angeles, Calif.
Filed June 30, 1923. Serial No. 182,655. PUBLISHED APRIL 22, 1924.

186,335. TYPE CLEANER. FRANK G. REMPE, doing business as Rempe Mfg. Co., Oakland Calif.
Filed May 23, 1923. Serial No. 181,044. PUBLISHED APRIL 1, 1924.

186,336. LEATHER BELTING AND RUBBER BELTING. E. C. ATKINS & COMPANY, Indianapolis, Ind.
Filed May 14, 1923. Serial No. 180,576. PUBLISHED OCTOBER 23, 1923.

186,337. BLOUSES, WAISTS, GOWNS, AND DRESSES. DEUTZ & ORTENBERG, INC., New York, N. Y.
Filed October 15, 1923. Serial No. 186,979. PUBLISHED APRIL 22, 1924.

186,338. COATED PAPER, BOOK PAPER, AND LITHO LABEL PAPER. T. B. LITTLE COMPANY LIMITED, Montreal, Quebec, Canada.
Filed November 5, 1923. Serial No. 188,037. PUBLISHED APRIL 22, 1924.

186,339. CORRESPONDENCE CARDS. LOUIS J. ROULEAU, Boston, Mass.
Filed November 16, 1923. Serial No. 188,439. PUBLISHED APRIL 22, 1924.

186,340. BLANK FORMS, PASS BOOKS, AND PAPER CHECK-BOOK COVERS. WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif.
Filed November 22, 1923. Serial No. 188,723. PUBLISHED APRIL 22, 1924.

186,341. AUTO TOP DRESSING. F. F. DALLEY COMPANY, INC., Buffalo, N. Y.
Filed November 23, 1923. Serial No. 188,748. PUBLISHED APRIL 8, 1924.

186,342. CABINETS MADE OF WOOD TO CONTAIN RADIO OUTFITS. ELECTROTYPE BLOCKING CO. INC., New York, N. Y.
Filed November 28, 1923. Serial No. 188,993. PUBLISHED APRIL 15, 1924.

186,343. SHOE LACES AND BRAIDS. HUGHES FAWCETT, New York, N. Y.
Filed November 30, 1923. Serial No. 189,045. PUBLISHED APRIL 8, 1924.

186,344. TOILET SOAP, LAUNDRY SOAP, AND WASHING POWDER. IOWA SOAP COMPANY, Burlington, Iowa.
Filed December 7, 1923. Serial No. 189,361. PUBLISHED APRIL 15, 1924.

186,345. BEDCOVER HOLDERS. KIDDIES KEEP KOVER KOMPANY, Salt Lake City, Utah.
Filed December 11, 1923. Serial No. 189,508. PUBLISHED APRIL 15, 1924.

186,346. PREPARATION FOR APPLYING TO SHOE SOLES. DAVID E. PENDER, doing business as Gan-O-Pow Company, Meriden, Conn.
Filed December 11, 1923. Serial No. 189,516. PUBLISHED APRIL 22, 1924.

186,347. COMPOSITIONS FOR DRY CLEANING GLOVES AND HATS AND FOR BLEACHING HATS. JOHN CHARLES, doing business as Fort Wayne Chemical Company, Fort Wayne, Ind.
Filed December 12, 1923. Serial No. 189,552. PUBLISHED APRIL 15, 1924.

186,348. HAIR NETS. FISHER BROS. PAPER CO., Fort Wayne, Ind.
Filed December 12, 1923. Serial No. 189,560. PUBLISHED APRIL 22, 1924.

186,349. REFRIGERATING MACHINERY AND APPLIANCES. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed December 17, 1923. Serial No. 189,761. PUBLISHED APRIL 22, 1924.

186,350. DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed December 17, 1923. Serial No. 189,762. PUBLISHED APRIL 22, 1924.

186,351. DAIRY, CREAMERY, MILK-PLANT, ICE-CREAM-FACTORY, REFRIGERATING-PLANT, AND ICE-MAKING-PLANT MACHINERY AND EQUIPMENT. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed December 17, 1923. Serial No. 189,763. PUBLISHED APRIL 22, 1924.

186,352. CRUSHED OYSTER SHELL FOR POULTRY AND DOMESTIC ANIMALS. GULF CRUSHING CO. INC., Morgan City and New Orleans, La.
Filed December 17, 1923. Serial No. 189,775. PUBLISHED APRIL 22, 1924.

186,353. DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed December 17, 1923. Serial No. 189,814. PUBLISHED APRIL 22, 1924.

186,354. CANNED FRUITS OF ALL KINDS. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J.
Filed December 19, 1923. Serial No. 189,892. PUBLISHED APRIL 22, 1924.

186,355. BLANK TELEPHONE DIRECTORIES, KITCHEN REMINDERS, MAILING SERVICE CARDS, BLOTTERS, PRINTED STATIONERY, DESK PAD CALENDARS, BLANK LABELS, PENCILS, AND MEMORANDUM PADS. THE HENDERSON LITHOGRAPHING CO., Norwood, Cincinnati, Ohio.
Filed December 19, 1923. Serial No. 189,897. PUBLISHED APRIL 22, 1924.

186,356. CERTAIN NAMED CHEMICAL PREPARATIONS FOR CLEANING METALS AND TEXTILES. MACDERMID INCORPORATED, Waterbury, Conn.
Filed December 28, 1923. Serial No. 190,198. PUBLISHED APRIL 8, 1924.

186,357. CERTAIN CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. AMERICAN BESLIN CORPORATION, New York, N. Y.
Filed February 9, 1924. Serial No. 192,051. PUBLISHED APRIL 29, 1924.

186,358. SILK GOODS IN THE PIECE. BENDIX & FIBER, INC., New York, N. Y.
Filed February 9, 1924. Serial No. 192,057. PUBLISHED APRIL 29, 1924.

186,359. BILL FOLDS. HUMPHREYS LEATHER GOODS CO., Chicago, Ill.
Filed February 11, 1924. Serial No. 192,123. PUBLISHED APRIL 22, 1924.

186,360. HAND SOAP. MOULIN BROTHERS, Fort Wayne, Ind.
Filed February 11, 1924. Serial No. 192,141. PUBLISHED APRIL 1, 1924.

186,361. PUBLICATION ISSUED FROM TIME TO TIME AND AT THE PRESENT TIME ISSUED MONTHLY. RICHES, PIVER & CO., New York, N. Y.
Filed February 11, 1924. Serial No. 192,151. PUBLISHED APRIL 15, 1924.

186,362. HARNESS FITTINGS. JOHN C. NICHOLS, Sheboygan, Wis.
Filed February 12, 1924. Serial No. 192,192. PUBLISHED APRIL 22, 1924.

186,363. BOOKS PUBLISHED FROM TIME TO TIME. SIMON & SCHUSTER, New York, N. Y.
Filed February 12, 1924. Serial No. 192,198. PUBLISHED APRIL 22, 1924.

186,364. STAPLES AND STAPLING MACHINES. J. B. CROFOOT CO., Arlington Heights, Ill.
Filed February 14, 1924. Serial No. 192,246. PUBLISHED APRIL 22, 1924.

186,365. MONTHLY PERIODICAL. HILDRETH VARNISH COMPANY, INC., New York, N. Y.
Filed February 14, 1924. Serial No. 192,256. PUBLISHED APRIL 15, 1924.

186,366. SOAPS FOR USE BY THE TEXTILE AND LAUNDRY TRADES. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed February 14, 1924. Serial No. 192,275. PUBLISHED APRIL 22, 1924.

186,367. SOAP. SWIFT AND COMPANY, Chicago, Ill.
Filed February 14, 1924. Serial No. 192,283. PUBLISHED APRIL 22, 1924.

186,368. CLEANING COMPOUND FOR WINDOWS, MIRRORS, BRASS FIXTURES, PAINTED AND VARNISHED WOODWORK, GLASSWARE, SILVERWARE, AND THE LIKE. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn.
Filed February 15, 1924. Serial No. 192,319. PUBLISHED APRIL 22, 1924.

186,369. SOAP. SWIFT AND COMPANY, Chicago, Ill.
Filed February 15, 1924. Serial No. 192,342. PUBLISHED APRIL 22, 1924.

186,370. SULPHITE BOND WRITING PAPER. THE ALLING & CORY COMPANY, Pittsburgh, Pa.
Filed February 16, 1924. Serial No. 192,351. PUBLISHED APRIL 22, 1924.

186,371. SNAP FASTENERS. S. BAKAL AND SON, New York, N. Y.
Filed February 16, 1924. Serial No. 192,354. PUBLISHED APRIL 15, 1924.

186,372. COTTON PIECE GOODS. PARKHILL MANUFACTURING COMPANY, Fitchburg, Mass.
Filed February 21, 1924. Serial No. 192,636. PUBLISHED APRIL 29, 1924.

186,373. SOAPS. PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa.
Filed February 21, 1924. Serial No. 192,639. PUBLISHED APRIL 22, 1924.

186,374. SOAPS. PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa.
Filed February 21, 1924. Serial No. 192,640. PUBLISHED APRIL 22, 1924.

186,375. TOILET PAPER. UNIVERSAL CREPE & TISSUE MILLS, INC., New York, N. Y.
Filed February 25, 1924. Serial No. 192,804. PUBLISHED APRIL 22, 1924.

186,376. CLEANING COMPOUND FOR CLEANING CARPETS, RUGS, TAPESTRY FABRICS, AND CLOTH. LEO. A. DERMODY, doing business as The Evap-O-Brite Co., Omaha, Nebr.
Filed February 26, 1924. Serial No. 192,819. PUBLISHED APRIL 22, 1924.

186,377. CHART OF GRADUATED COLORS AND MATTER PERTAINING TO THE USE THEREOF. WM. FILENE'S SONS COMPANY, Boston, Mass.
Filed January 28, 1924. Serial No. 191,376. PUBLISHED APRIL 22, 1924.

186,378. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 30, 1924. Serial No. 191,464. PUBLISHED APRIL 15, 1924.

186,379. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 30, 1924. Serial No. 191,465. PUBLISHED APRIL 15, 1924.

186,380. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 30, 1924. Serial No. 191,468. PUBLISHED APRIL 15, 1924.

186,381. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 30, 1924. Serial No. 191,466. PUBLISHED APRIL 15, 1924.

186,382. MAGAZINE GENERALLY PUBLISHED WEEKLY. THE NEW YORK TIMES COMPANY, New York, N. Y.
Filed January 31, 1924. Serial No. 191,563. PUBLISHED APRIL 15, 1924.

186,383. LIQUID CLEANER FOR THE HANDS. THE ROWELL CORPORATION, New York, N. Y.
Filed January 31, 1924. Serial No. 191,574. PUBLISHED APRIL 8, 1924.

186,384. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 4, 1924. Serial No. 191,735. PUBLISHED APRIL 15, 1924.

186,385. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 4, 1924. Serial No. 191,736. PUBLISHED APRIL 15, 1924.

186,386. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 4, 1924. Serial No. 191,737. PUBLISHED APRIL 15, 1924.

186,387. INDEXING DEVICES. DEX COMPANY, New York, N. Y.
Filed February 4, 1924. Serial No. 191,756. PUBLISHED APRIL 22, 1924.

186,388. LEATHER. THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio.
Filed February 5, 1924. Serial No. 191,826. PUBLISHED APRIL 22, 1924.

186,389. MONTHLY MAGAZINE. TOPICS, INCORPORATED, Chicago, Ill.
Filed February 5, 1924. Serial No. 191,856. PUBLISHED APRIL 22, 1924.

186,390. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 6, 1924. Serial No. 191,862. PUBLISHED APRIL 15, 1924.

186,391. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 6, 1924. Serial No. 191,864. PUBLISHED APRIL 15, 1924.

186,392. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 6, 1924. Serial No. 191,865. PUBLISHED APRIL 15, 1924.

186,393. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 6, 1924. Serial No. 191,866. PUBLISHED APRIL 15, 1924.

186,394. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO. INC., Troy, N. Y.
Filed February 7, 1924. Serial No. 191,939. PUBLISHED APRIL 22, 1924.

186,395. CALENDARS. MESSENGER PUBLISHING COMPANY, Chicago, Ill.
Filed February 7, 1924. Serial No. 191,968. PUBLISHED APRIL 15, 1924.

186,396. GUMMED TAPE IN ROLLS AND SHEETS. THE PAPER SERVICE COMPANY, Lockland, Ohio.
Filed February 7, 1924. Serial No. 191,972. PUBLISHED APRIL 22, 1924.

186,397. CERTAIN NAMED YARNS. WOOL NOVELTY CO., INC., New York, N. Y.
Filed March 8, 1920. Serial No. 129,437. PUBLISHED APRIL 29, 1924.

186,398. SOAP. WALTER H. FLOOD, doing business as Columbus Chemical Co., Chicago, Ill.
Filed August 1, 1921. Serial No. 151,214. PUBLISHED APRIL 15, 1924.

186,399. TEXTILE RUGS, CARPETS, AND RUNNERS. AUGUST J. KIRCHNER, doing business as Chief Rug & Mattress Cleaning Co., Seattle, Wash.
Filed August 1, 1921. Serial No. 151,221. PUBLISHED APRIL 22, 1924.

186,400. MEN'S, WOMEN'S, AND CHILDREN'S FANCY OR DRESS GLOVES, MITTENS, AND GAUNTLETS OF KID, LEATHER, SILK, WOOL, OR MIXED MATERIALS, AND HOSIERY FOR MEN, WOMEN, AND CHILDREN. ROUSE, HEMPSTONE & CO., INC., Baltimore, Md.
Filed January 18, 1922. Serial No. 158,097. PUBLISHED APRIL 22, 1924.

186,401. CANNED FRUITS. KINGS COUNTY PACKING COMPANY, Armona, Calif.
Filed June 3, 1922. Serial No. 164,926. PUBLISHED APRIL 29, 1924.

186,402. BRAKES, VEHICLE PARTS AND ACCESSORIES. S & A BRAKE COMPANY, Chicago, Ill.
Filed June 16, 1922. Serial No. 165,609. PUBLISHED APRIL 29, 1924.

186,403. FRESH CITROUS FRUITS. MUTUAL ORANGE DISTRIBUTORS, also doing business as Orangedale Groves, Inc., Redlands, Calif.
Filed August 10, 1922. Serial No. 168,061. PUBLISHED APRIL 29, 1924.

186,404. SWEATERS. KNITWEAR MFG. CO., INC., Brooklyn, N. Y.
Filed October 4, 1922. Serial No. 170,299. PUBLISHED APRIL 22, 1924.

186,405. CANNED VEGETABLES. NATIONAL PACKING CORPORATION, Ogden, Utah.
Filed November 13, 1922. Serial No. 171,944. PUBLISHED APRIL 29, 1924.

186,406. BREAD. PAUL DUCHAINE, New Bedford, Mass.
Filed September 30, 1922. Serial No. 176,170. PUBLISHED APRIL 22, 1924.

186,407. OATS AND OATMEAL PREPARED BY CUTTING, ROLLING, OR OTHERWISE GRINDING OR CRUSHING THE CEREAL. THE H-O CEREAL COMPANY, INC., Buffalo, N. Y.
Filed July 21, 1923. Serial No. 183,522. PUBLISHED APRIL 29, 1924.

186,408. MONTHLY PERIODICALS. CORLIES, MACY & CO. INC., New York, N. Y.
Filed August 18, 1923. Serial No. 184,653. PUBLISHED APRIL 22, 1924.

186,409. BASKET BALLS, FOOTBALLS, TOY BALLS, PLAYBALLS, RUBBER BALLS, AND SWIMMING BELTS. VICTOR NOVELTY MFG. COMPANY, Ashland, Ohio.
Filed September 1, 1923. Serial No. 185,273. PUBLISHED APRIL 29, 1924.

186,410. CANDIES. NELLIE RAND MASLEN, Hartford, Conn.
Filed September 8, 1923. Serial No. 185,529. PUBLISHED APRIL 29, 1924.

186,411. CERTAIN NAMED TOWELS AND PIECE GOODS. SAMUEL HOLT, Paterson, N. J.
Filed September 12, 1923. Serial No. 185,705. PUBLISHED APRIL 22, 1924.

186,412. CANDY-COATED POP CORN. PHILIP C. HEIM, doing business as The Phil. C. Heim Company, St. Louis, Mo.
Filed September 17, 1923. Serial No. 185,869. PUBLISHED APRIL 29, 1924.

186,413. LEATHER BELTING. HARRIS E. WHITING, doing business as Whiting Leather and Belting Company, Long Island City, N. Y.
Filed November 5, 1923. Serial No. 188,036. PUBLISHED APRIL 29, 1924.

186,414. CANDY. CHASE CANDY COMPANY, St. Joseph, Mo.
Filed November 7, 1923. Serial No. 188,089. PUBLISHED APRIL 29, 1924.

186,415. CERTAIN NAMED YARNS. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,479. PUBLISHED APRIL 29, 1924.

186,416. CERTAIN NAMED PIECE GOODS. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,485. PUBLISHED APRIL 29, 1924.

186,417. WORKINGMEN'S JERSEY-CLOTH GLOVES. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed January 5, 1924. Serial No. 190,444. PUBLISHED APRIL 15, 1924.

186,418. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed January 9, 1924. Serial No. 190,590. PUBLISHED APRIL 22, 1924.

186,419. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed January 9, 1924. Serial No. 190,591. PUBLISHED APRIL 22, 1924.

186,420. MEN'S STRAW HATS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed January 15, 1924. Serial No. 190,852. PUBLISHED APRIL 29, 1924.

186,421. LEATHER SHOES FOR MEN AND WOMEN. INTERNATIONAL SHOE COMPANY, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y.
Filed February 1, 1924. Serial No. 191,621. PUBLISHED APRIL 22, 1924.

186,422. LEATHER SHOES FOR CHILDREN AND INFANTS. INTERNATIONAL SHOE COMPANY, doing business as Morse & Rogers, St. Louis, Mo.
Filed February 1, 1924. Serial No. 191,622. PUBLISHED APRIL 22, 1924.

186,423. WOMEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y.
Filed February 1, 1924. Serial No. 191,623. PUBLISHED APRIL 22, 1924.

186,424. CERTAIN LINEN AND COTTON GOODS. JAMES MCCUTCHEON & COMPANY, New York, N. Y.
Filed March 4, 1924. Serial No. 193,232. PUBLISHED APRIL 29, 1924.

186,425. MANUFACTURED SILK PIECE GOODS. AMALGAMATED SILK CORPORATION, Wilmington, Del., and New York, N. Y.
Filed March 7, 1924. Serial No. 193,373. PUBLISHED APRIL 29, 1924.

186,426. MATCHES. GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex.
Filed March 7, 1924. Serial No. 193,396. PUBLISHED APRIL 22, 1924.

186,427. LADIES' HATS. FISHER MILLINERY COMPANY, New York, N. Y.
Filed February 6, 1924. Serial No. 191,879. PUBLISHED APRIL 22, 1924.

186,428. BREAD AND CAKE. THE RUCH-DROMPP GROCERY COMPANY, Logansport, Ind.
Filed February 21, 1924. Serial No. 192,645. PUBLISHED APRIL 29, 1924.

186,429. WHEAT FLOUR. HANOVER STAR MILLING COMPANY, Germantown, Ill.
Filed February 29, 1924. Serial No. 193,040. PUBLISHED APRIL 29, 1924.

186,430. BAKERY PRODUCTS—NAMELY, BISCUITS. INDEPENDENT BAKING CO., Davenport, Iowa.
Filed March 11, 1924. Serial No. 193,592. PUBLISHED APRIL 29, 1924.

186,431. PIES. LOUIS ECKEL, Mount Vernon, N. Y.
Filed March 12, 1924. Serial No. 193,664. PUBLISHED APRIL 29, 1924.

186,432. BREAD. THE 20TH CENTURY BAKERY, INC., Haverhill, Mass.
Filed March 13, 1924. Serial No. 193,739. PUBLISHED APRIL 29, 1924.

186,433. ROLLED OATS. ALBERS BROS. MILLING CO., San Francisco, Calif.
Filed March 17, 1924. Serial No. 193,881. PUBLISHED APRIL 29, 1924.

186,434. WHEAT FLOUR. MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn.
Filed March 17, 1924. Serial No. 193,941. PUBLISHED APRIL 29, 1924.

186,435. CHILDREN'S SHOES MADE WHOLLY OF LEATHER OR FABRIC OR COMBINATIONS COMPOSED OF SUCH MATERIALS. F. LEVY SHOE CO., St. Louis, Mo.
Filed January 23, 1922. Serial No. 158,317. PUBLISHED APRIL 22, 1924.

186,436. WHEAT FLOUR. HANOVER STAR MILLING COMPANY, Germantown, Ill.
Filed February 29, 1924. Serial No. 193,039. PUBLISHED APRIL 29, 1924.

186,437. CHOCOLATES. FLETCHER HALL, Boston, Mass.
Filed February 7, 1924. Serial No. 191,960. PUBLISHED APRIL 29, 1924.

186,438. MEN'S NEGLIGEE AND WORK SHIRTS. FLEER & LARSEN, Chicago, Ill.
Filed February 4, 1924. Serial No. 191,764. PUBLISHED APRIL 22, 1924.

186,439. WOOLEN PIECE GOODS. E. J. WILE & CO., New York, N. Y.
Filed February 1, 1924. Serial No. 191,655. PUBLISHED APRIL 22, 1924.

186,440. OVERALLS AND JACKETS, BUTCHERS' COATS AND APRONS, SHOP MECHANICS' COATS AND APRONS. THE KNIGHT-PRICE COMPANY, Columbus, Ohio.
Filed February 1, 1924. Serial No. 191,628. PUBLISHED APRIL 22, 1924.

186,441. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHING, CONSISTING OF TROUSERS, PANTS, VESTS, COATS, JACKETS, AND OVERCOATS. THE GLOBE TAILORING COMPANY, doing business as Commonwealth Tailors, Cincinnati, Ohio.
Filed January 31, 1924. Serial No. 191,541. PUBLISHED APRIL 22, 1924.

186,442. FISHING TACKLE—NAMELY, FISHLINE LEADERS AND SNELLS. KINNICKINNIC TACKLE CO., River Falls, Wis.
Filed January 30, 1924. Serial No. 191,491. PUBLISHED APRIL 29, 1924.

186,443. MATCHES. SUOMEN TULITIKKUTEHDAS OSAKEYHTIÖ FINSKA TÄNDSTICKS AKTIEBOLAGET, Wiborg, Finland.
Filed January 29, 1924. Serial No. 191,452. PUBLISHED APRIL 29, 1924.

186,444. TEXTILE TOWELS. JAMES J. RUSSELL, San Angelo, Tex.
Filed January 29, 1924. Serial No. 191,449. PUBLISHED APRIL 22, 1924.

186,445. PILE FABRICS IN THE PIECE. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed January 25, 1924. Serial No. 191,283. PUBLISHED APRIL 22, 1924.

186,446. WOMEN'S, MISSES', AND CHILDREN'S COATS, DRESSES, LINGERIE, AND MILLINERY—NAMELY, HATS FOR WOMEN, MISSES, AND CHILDREN. LILLIE TREDWELL, Chicago, Ill.
Filed January 21, 1924. Serial No. 191,104. PUBLISHED APRIL 22, 1924.

186,447. DRESS, NEGLIGEE, AND WORK SHIRTS. EDWIN C. PATTERSON, Jr., Boston, Mass.
Filed January 15, 1924. Serial No. 190,851. PUBLISHED APRIL 22, 1924.

186,448. YARN. PROSPECT SALES CO., New York, N. Y.
Filed January 10, 1924. Serial No. 190,650. PUBLISHED APRIL 22, 1924.

186,449. HANDKERCHIEFS. NEW YORK HANDKERCHIEF MANUFACTURING CO., Chicago, Ill.
Filed January 5, 1924. Serial No. 190,464. PUBLISHED APRIL 29, 1924.

186,450. BROAD SILK FABRICS. KLOTZ SILK MANUFACTURING CO., INC., Clifton, N. J.
Filed January 4, 1924. Serial No. 190,418. PUBLISHED APRIL 22, 1924.

186,451. FRESH POTATOES SOLD FOR CONSUMPTION ONLY. J. R. H. HILTON, Atmore, Ala.
Filed December 27, 1923. Serial No. 190,159. PUBLISHED APRIL 29, 1924.

186,452. DRESS, NEGLIGEE, AND WORK SHIRTS. GREENEBAUM, WEIL & MICHELS, San Francisco, Calif.
Filed December 18, 1923. Serial No. 189,849. PUBLISHED APRIL 22, 1924.

186,453. GINGER ALE. SOUTHWESTERN COCA-COLA BOTTLING COMPANY, Deming, N. Mex.
Filed December 12, 1923. Serial No. 189,590. PUBLISHED APRIL 29, 1924.

186,454. CANDY. CANDY CRAFT STORES CO., INC., Battle Creek, Mich.
Filed December 11, 1923. Serial No. 189,489. PUBLISHED APRIL 29, 1924.

186,455. FRESH GRAPES. CHESTER T. JOHNS, Cucamonga, Calif.
Filed November 28, 1923. Serial No. 189,004. PUBLISHED APRIL 29, 1924.

186,456. CERTAIN NAMED YARNS. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,486. PUBLISHED APRIL 29, 1924.

186,457. CAPS, LINGERIE, AND DRESSING SACKS. THE SIMONE CO., INC., New York, N. Y.
Filed February 7, 1924. Serial No. 191,985. PUBLISHED APRIL 22, 1924.

186,458. TEXTILE COMPOSITION OF LINEN AND COTTON IN THE PIECE. RUSSELL J. SEFTON, New York, N. Y.
Filed February 8, 1924. Serial No. 192,040. PUBLISHED APRIL 22, 1924.

186,459. HOSIERY. ARLINGTON E. BURNS, New York, N. Y.
Filed February 9, 1924. Serial No. 192,064. PUBLISHED APRIL 22, 1924.

186,460. COATS AND CAPES MADE OF MIXED COTTON AND WOOLEN GOODS. ROSING & COHN, INC., New York, N. Y.
Filed February 9, 1924. Serial No. 192,091. PUBLISHED APRIL 22, 1924.

186,461. COAL. THE UNITED COAL & DOCK COMPANY, Milwaukee, Wis.
Filed February 11, 1924. Serial No. 192,163. PUBLISHED APRIL 29, 1924.

186,462. DRESS ROBES. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed February 18, 1924. Serial No. 192,499. PUBLISHED APRIL 22, 1924.

186,463. NECKTIES AND CRAVATS. HUGHES & BRADLEY COMPANY, Philadelphia, Pa.
Filed February 19, 1924. Serial No. 192,535. PUBLISHED APRIL 29, 1924.

186,464. WOOLEN FABRICS. M. SHIDLOVSKY & CO. INC., New York, N. Y.
Filed February 21, 1924. Serial No. 192,647. PUBLISHED APRIL 29, 1924.

186,465. GOLF SHIRTS. L. BAMBERGER & CO., Newark, N. J.
Filed February 25, 1924. Serial No. 192,748. PUBLISHED APRIL 22, 1924.

186,466. COATS AND CAPES. MEADE RUBBER SALES COMPANY, Stoughton, Mass.
Filed February 25, 1924. Serial No. 192,780. PUBLISHED APRIL 22, 1924.

186,467. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. HOSCH BROTHERS COMPANY, Gainesville, Ga.
Filed February 27, 1924. Serial No. 192,915. PUBLISHED APRIL 22, 1924.

186,468. FIREARMS. J. P. SAUER & SOHN, Suhl, Germany.
Filed February 27, 1924. Serial No. 192,929. PUBLISHED APRIL 29, 1924.

186,469. THREAD. THE UNION THREAD COMPANY, Cincinnati, Ohio.
Filed February 27, 1924. Serial No. 192,943. PUBLISHED APRIL 29, 1924.

186,470. NECKTIES. MEYER, BACHARACH & FRIEDHEIM, New York, N. Y.
Filed February 28, 1924. Serial No. 192,984. PUBLISHED APRIL 22, 1924.

186,471. WOOLEN AND WORSTED PIECE GOODS. ALT WOOLEN COMPANY, INC., New York, N. Y.
Filed February 29, 1924. Serial No. 193,018. PUBLISHED APRIL 29, 1924.

186,472. [WITHDRAWN.]

186,473. BLEACHED COTTON PIECE GOODS. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed February 29, 1924. Serial No. 193,050. PUBLISHED APRIL 29, 1924.

186,474. BLEACHED COTTON PIECE GOODS. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed February 29, 1924. Serial No. 193,051. PUBLISHED APRIL 29, 1924.

186,475. BLEACHED COTTON PIECE GOODS. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed February 29, 1924. Serial No. 193,052. PUBLISHED APRIL 29, 1924.

186,476. DYED AND GLAZED YARNS, AND THREAD. INSULATING MATERIALS, COMPANY, Detroit, Mich.
Filed March 3, 1924. Serial No. 193,175. PUBLISHED APRIL 22, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

186,477. (CLASS 12. CONSTRUCTION MATERIALS.) F. C. SHELDON SLATE CO., Granville, N. Y. Filed Feb. 5, 1920. Serial No. 128,023.

SHELDON'S
Old English
SLATES

Particular description of goods.—Manufactured Materials for Roofing Made of Artificial Stone, Composition, Asbestos, Metal, Wood, or Slate, in Part or in Whole.
Claims use since about 1912.

186,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMAN LEAR, doing business as Manhattan Food Products Co., New York, N. Y. Filed May 15, 1924. Serial No. 197,088.



Particular description of goods.—Cheese.
Claims use since November, 1922.

186,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID T. FARROW, doing business as D. T. Farrow Chickeries, Peoria, Ill. Filed Apr. 14, 1924. Serial No. 195,505.

FARROW CHIX
FOR SUCCESS

Particular description of goods.—Young Live Chickens.
Claims use since Oct. 1, 1922.

186,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVERETT FRUIT PRODUCTS COMPANY, Everett, Wash. Filed Mar. 21, 1924. Serial No. 194,171.

SUPERFINE



Particular description of goods.—Canned Berries, Fruits, and Vegetables.
Claims use since April, 1923.

186,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARENCE O. DAWSON, doing business as Blair Canning Company, Blair, Nebr. Filed Mar. 17, 1924. Serial No. 193,905.

ANTELOPE
STATE

Particular description of goods.—Canned Vegetables.
Claims use since 1901.

186,482. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FRANK MOTOR PRODUCTS CORP., New York, N. Y. Filed Mar. 2, 1923. Serial No. 176,822.



Particular description of goods.—Packing Rings in Reciprocating Piston Engines.
Claims use since Jan. 31, 1923.

186,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON CO-OPERATING CREAMERY COMPANY, Barron, Wis. Filed Feb. 8, 1924. Serial No. 192,004.



Particular description of goods.—Butter.
Claims use for not less than one year.

186,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE MILLING COMPANY, Huntingburg, Ind. Filed Oct. 10, 1923. Serial No. 186,815.

WALLACE'S BEST

Particular description of goods.—Soft Winter-Wheat Flour.
Claims use since Feb. 19, 1923.

186,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923. Serial No. 181,457.

NIAGARA

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

LABELS

REGISTERED JULY 8, 1924.

27,529.—*Title:* NO-RUB. For Metal Polish. ANSTON & LINDENBERG, MFGRS., Kansas City, Mo. Published April 21, 1924.

27,530.—*Title:* ALLEN SPECIAL RADIO SODERING PASTE. For Soldering Flux in Paste Form. L. B. ALLEN COMPANY INC., Chicago, Ill. Published March 1, 1924.

27,531.—*Title:* HANDY PACKET. For Confectionery. ALLEN-QUALLEY COMPANY, St. Paul, Minn. Published April 30, 1924.

27,532.—*Title:* HANDY PACKET. For Confectionery. ALLEN-QUALLEY COMPANY, St. Paul, Minn. Published April 30, 1924.

27,533.—*Title:* RIPE LIGHT. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published May 22, 1924.

27,534.—*Title:* RIPE LIGHT BROWN. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published May 22, 1924.

27,535.—*Title:* RIPE BROWN. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published May 22, 1924.

27,536.—*Title:* TUBOLA. For Cleaning and Scouring Powder. THE CHAMBERLAIN COMPANY, Pittsburgh, Pa. Published April 15, 1924.

27,537.—*Title:* CLAYTONS YELLOW APPLE LIVER PILLS. For Liver Pills. WALTER OLIVER CLAYTON, Grand Island, Nebr. Published April 2, 1924.

27,538.—*Title:* COLEMAN CAMP STOVE. For Camp Stoves. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published May 15, 1924.

27,539.—*Title:* BOB SHAMPOO. For Soap. CROFTS & REED CO., Chicago, Ill. Published March 1, 1924.

27,540.—*Title:* ELINE'S AUTOMOBILE SPECIAL CHOCOLATE. For Chocolate. ELINE'S INCORPORATED, Milwaukee, Wis. Published November 15, 1923.

27,541.—*Title:* ELINE'S FIRST LADY OF THE LAND CHOCOLATE. For Chocolate. ELINE'S INCORPORATED, Milwaukee, Wis. Published November 15, 1923.

27,542.—*Title:* ROYAL PURPLE CAPSULES. For Medicine for the Treatment of Delayed Menstruation, Useful for Painful Menses, Relieving Burning and Chafing. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published April 25, 1924.

27,543.—*Title:* ROYAL PURPLE PILLS. For Medicine for the Treatment of Delayed Menstruation, Useful for Painful Menses, Relieving Burning and Chafing. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published April 25, 1924.

27,544.—*Title:* DANDYBOY. For Tomatoes. GUMPERTZ & GOTFRIED, Oxnard, Calif. Published November 10, 1923.

27,545.—*Title:* USHCO BRAND NO. 47. For Bits. U. S. HAME COMPANY, Buffalo, N. Y. Published June 2, 1924.

27,546.—*Title:* PETROLENE BLUE BARREL. For Scouring Powder. HASKINS BROS & COMPANY, Omaha, Nebr. Published May 1, 1924.

27,547.—*Title:* A CANOE LOAD. For Candy. THE C. F. HICKOK CO., Sidney, Ohio. Published April 30, 1924.

27,548.—*Title:* BOBDHAIR HAIR PINS. For Hairpins. THE HUMP HAIR PIN MANUFACTURING CO., Chicago, Ill. Published June 2, 1924.

27,549.—*Title:* MONOPHEN. For a Hypnotic and Antineuralgic Remedy. INTERNATIONAL PHARMACEUTICAL CO., Brooklyn, N. Y. Published April 25, 1924.

27,550.—*Title:* DIUFORM. For a Diuretic Remedy. INTERNATIONAL PHARMACEUTICAL CO., Brooklyn, N. Y. Published April 25, 1924.

27,551.—*Title:* RENATINE. For a Diuretic Remedy. INTERNATIONAL PHARMACEUTICAL CO., Brooklyn, N. Y. Published April 25, 1924.

27,552.—*Title:* HILUNDALE. For Pigment Paste for Use as a Stippling Coat. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Published May 1, 1924.

27,553.—*Title:* BLUHILL PIMENTO CHEESE. For Cheese Flavored with the Fruit or Berries and Seeds of Pimentos. THE MARTIN BROS. COMPANY, Denver, Colo. Published April 24, 1924.

27,554.—*Title:* BLUHILL GREEN CHILE CHEESE. For Cheese Flavored with the Fruit and Seeds of Green Chili. THE MARTIN BROS COMPANY, Denver, Colo. Published April 24, 1924.

27,555.—*Title:* BANQUET ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published May 15, 1924.

27,556.—*Title:* PRINCESS FLOWER GARDEN ASSORTMENT. For Candy. MILWAUKEE, PAPER BOX COMPANY, Milwaukee, Wis. Published May 15, 1924.

27,557.—*Title:* DELORES. For Canned Sardines. MAX A. REX, doing business as California Sea Food Company, Los Angeles, Calif. Published November 30, 1923.

27,558.—*Title:* UNCLE SAM CIRCLES THE GLOBE. For Shirts. SALANT & SALANT INC., New York, N. Y. Published March 10, 1924.

27,559.—*Title:* SURETY. For Bias Tape. SAMSTAG & HILDER BROS., INC., New York, N. Y. Published March 22, 1922.

27,560.—*Title:* STARR'S PURE ROOT & HERB TABLETS. For Tablets. FRANK M. STARR, doing business as Starr Medicine Company, San Francisco, Calif. Published May 29, 1924.

27,561.—*Title:* HARVEST. For Bread. HENRY V. WALTERS, Harrisburg, Pa. Published January 4, 1924.

27,562.—*Title:* CREAM CRUST. For Bread. HENRY V. WALTERS, Harrisburg, Pa. Published January 31, 1924.

27,563.—*Title:* RAISIN. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,564.—*Title:* HOME MADE. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,565.—*Title:* POTATO BREAD. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,566—*Title:* GRAHAM. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,567.—*Title:* RYE BREAD. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,568.—*Title:* TWIN LOAF. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,569.—*Title:* RYE BREAD. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,570.—*Title:* WILSONETTES. For Confections. THE ERNEST WILSON COMPANY, San Francisco, Calif. Published May 1, 1924.

27,571.—*Title:* UNCLE WIGGILY RUBBER PICTURE STAMPS AND COLORING OUTFIT. For Toy Rubber-Stamp Outfits. FRED. A. WISH, INC., New York, N. Y. Published May 28, 1924.

PRINTS

REGISTERED JULY 8, 1924.

7,462.—*Title:* "SMILING TEETH" FOR LIFE. For Colgate's Ribbon Dental Cream. COLGATE & COMPANY, Jersey City, N. J. Published May 22, 1924.

7,463.—*Title:* "LET'S SEE YOUR TEETH." For Colgate's Ribbon Dental Cream. COLGATE & COMPANY, Jersey City, N. J. Published April 14, 1924.

7,464.—*Title:* C C O. For Lighting Fixtures. COMLY & CO., INC., New York, N. Y. Published May 1, 1924.

7,465.—*Title:* LES POUDRES DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published June 1, 1924.

7,466.—*Title:* GETTING UP STEAM. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 24, 1924.

7,467.—*Title:* THE EASY WAY IS THE CERTO WAY. For Certo. DOUGLAS-PECTIN CORP., Rochester, N. Y. Published May 14, 1924.

7,468.—*Title:* MOVIE FAVORITES. For Confections and the Like. SAMUEL GOLDBERG, doing business as Standard Candy Company, Los Angeles, Calif. Published April 19, 1924.

7,469.—*Title:* THE HEART OF THE HOME. For Hot-Water Heaters. HOLYOKE HEATER CO., Holyoke, Mass. Published March 1, 1924.

7,470.—*Title:* IRVING SUBWAY. For Fireproof Ventilated Floorings. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Published May 26, 1924.

7,471.—*Title:* IRVING EGGCRATE. For Fireproof Ventilated Floorings. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Published May 26, 1924.

7,472.—*Title:* IRVING SUBWAY. For Fireproof Ventilated Floorings. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Published May 26, 1924.

7,473.—*Title:* STEWART TAXI NEEDLE BOOK. For Taxicabs. LUTHER E. MARTIN COMPANY, Baltimore, Md. Published May 27, 1924.

7,474.—*Title:* WEAR-MORE. For Harnesses. JOHN C. NICHOLS CO., Milwaukee, Wis. Published May 26, 1924.

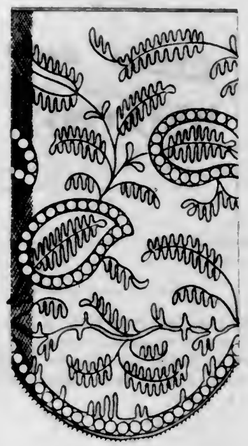
7,475.—*Title:* PABST BLUE RIBBON. For Cereal Beverage. PABST CORPORATION, Milwaukee, Wis. Published May 20, 1924.

7,476.—*Title:* PABST GINGER ALE. For Ginger Ale. PABST CORPORATION, Milwaukee, Wis. Published May 20, 1924.

DESIGNS

JULY 8, 1924.

65,094. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Feb. 1, 1924. Serial No. 8,503. Term of patent 3½ years.



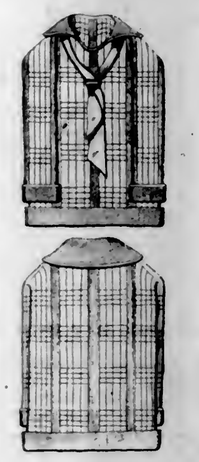
The ornamental design for lace substantially as shown.

65,095. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Feb. 1, 1924. Serial No. 8,504. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

65,096. KNITTED JACKET. MAURICE W. BRANTMAN, Brooklyn, N. Y., assignor to Republic Knitting Mills, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 22, 1924. Serial No. 9,039. Term of patent 3½ years.



The ornamental design for a knitted jacket as shown.

65,097. WALL PAPER. HARRIETT C. BRYANT, New Milford, Conn. Filed May 2, 1924. Serial No. 9,465. Term of patent 7 years.



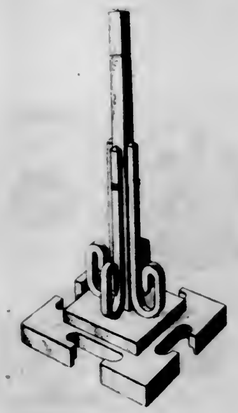
The ornamental design for wall paper, as shown.

65,098. JAR OR SIMILAR ARTICLE. GUY OTIS BREWSTER, New York, N. Y. Filed Sept. 11, 1922. Serial No. 3,674. Term of patent 3½ years.



The ornamental design for a jar or similar article, as shown.

65,099. PEDESTAL FOR MERCHANDISE-DISPLAY FIXTURES. WILLIAM CHARLES CANDLISH, New Rochelle, N. Y., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1923. Serial No. 6,085. Term of patent 7 years.



The ornamental design for a pedestal for merchandise-display fixtures as shown.

65,100. CONVENTION BANNER. DIGBY W. CHANDLER, Jr., New York, assignor to Annin & Co., New York, N. Y., a Corporation of New York. Filed Apr. 15, 1924. Serial No. 9,288. Term of patent 3½ years.



The ornamental design for a convention banner substantially as shown.

65,101. CEILING PLATE FOR A LIGHTING FIXTURE. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,659. Term of patent 7 years.



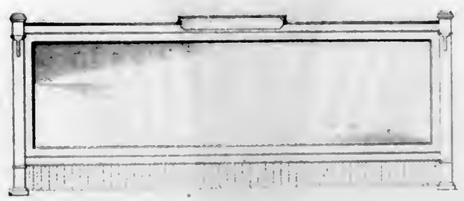
The ornamental design for a ceiling plate for a lighting fixture, as shown.

65,102. CEILING PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,660. Term of patent 7 years.



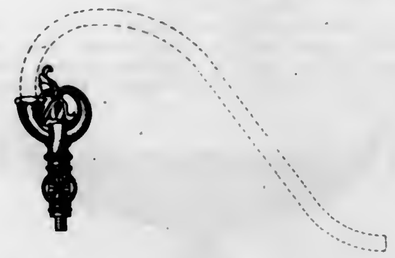
The ornamental design for a ceiling plate for lighting fixtures, as shown.

65,103. SIGN. THOMAS CUSACK, Chicago, Ill., assignor to Thos. Cusack Company, Chicago, Ill., a Corporation of New Jersey. Filed May 9, 1921. Serial No. 468,186. Term of patent 7 years.



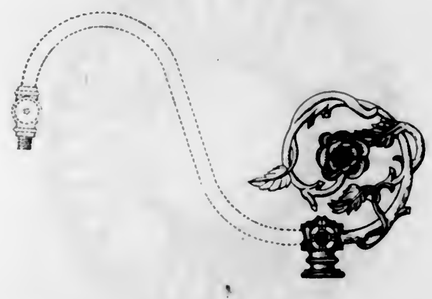
The ornamental design for a sign, as shown.

65,104. LAMP-ARM MOUNTING. ARTHUR L. DEDI, Oak Park, Ill. Filed Feb. 26, 1923. Serial No. 5,292. Term of patent 3½ years.



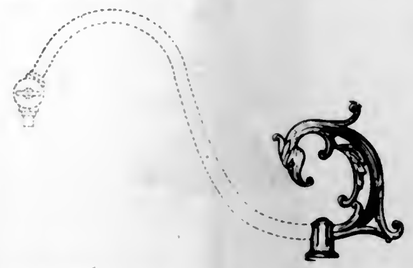
The ornamental design for a lamp arm mounting substantially as shown.

65,105. LAMP-ARM MOUNTING. ARTHUR L. DEDI, Oak Park, Ill. Filed Feb. 26, 1923. Serial No. 5,295. Term of patent 3½ years.



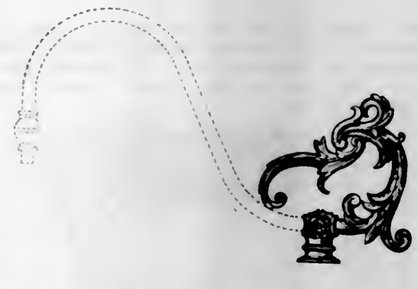
The ornamental design for a lamp arm mounting substantially as shown.

65,106. LAMP-ARM MOUNTING. ARTHUR L. DEDI, Oak Park, Ill. Filed Feb. 26, 1923. Serial No. 5,296. Term of patent 3½ years.



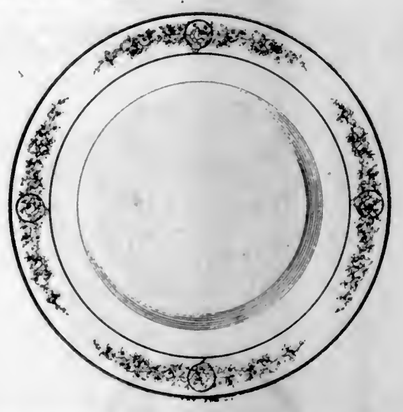
The ornamental design for a lamp arm mounting substantially as shown.

65,107. LAMP-ARM MOUNTING. ARTHUR L. DEDI, Oak Park, Ill. Filed Mar. 24, 1923. Serial No. 5,579. Term of patent 3½ years.



The ornamental design for a lamp arm mounting substantially as shown.

65,108. PLATE OR SIMILAR ARTICLE. WALTER DE VILLE, East Liverpool, Ohio, assignor to Palm, Fechteler & Co., New York, N. Y., a Corporation of New York. Filed May 13, 1924. Serial No. 9,577. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

65,109. ARTIFICIAL CHRISTMAS TREE. WILLEM DIEPERINK-LANGEREIS, Warren, Pa. Filed Jan. 29, 1924. Serial No. 8,476. Term of patent 14 years.



The ornamental design for an artificial Christmas tree, as shown.

65,110. BELT-BUCKLE FRAME. WILLIAM DIETERICH, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,444. Term of patent 3½ years.





The ornamental design for a belt-buckle frame, as shown.

65,111. BALL. ALBERT J. ELDON, Montclair, N. J. Filed Sept. 27, 1922. Serial No. 3,829. Term of patent 14 years.



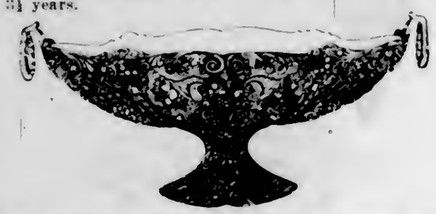
The ornamental design for a ball substantially as shown in the drawings hereof.

65,112. VASE OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Nov. 8, 1923. Serial No. 7,721. Term of patent 3½ years.



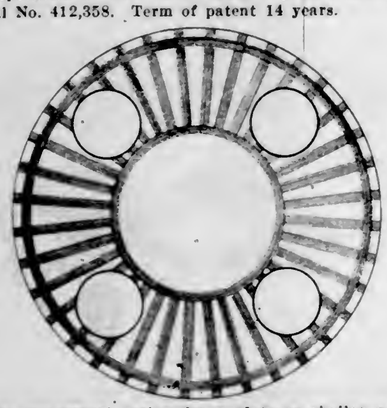
The ornamental design for a vase or similar article substantially as shown.

65,113. BOWL OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Dec. 18, 1923. Serial No. 8,079. Term of patent 3½ years.



The ornamental design for a bowl or similar article as shown.

65,114. PLATE OR SIMILAR ARTICLE. LAZRUS C. GIOMETTI and CHERUBINO J. GIOMETTI, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Sept. 23, 1920. Serial No. 412,358. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

65,115. DISH OR SIMILAR ARTICLE. LAZRUS C. GIOMETTI and CHERUBINO J. GIOMETTI, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Sept. 23, 1920. Serial No. 412,359. Term of patent 14 years.



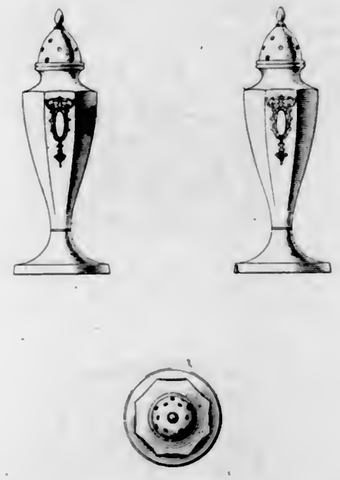
The ornamental design for a dish or similar article as shown.

65,116. TEAPOT. ADOLPH GRAMLICH, New York, N. Y. Filed Apr. 15, 1924. Serial No. 9,282. Term of patent 3½ years.



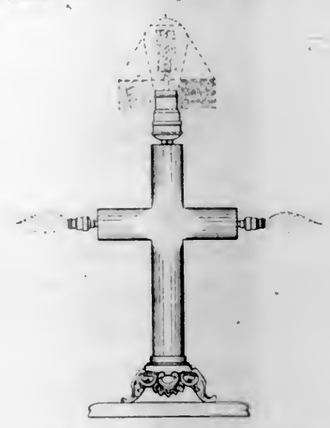
The ornamental design for a teapot as shown.

65,117. SALT AND PEPPER SHAKER. SAMUEL HASLAM, North Attleboro, Mass., assignor to Evans Case Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 8, 1924. Serial No. 9,206. Term of patent 3½ years.



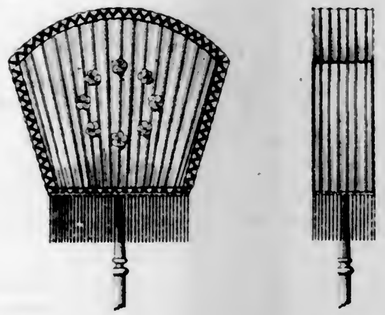
The ornamental design for a salt and a pepper shaker, as shown.

65,118. LAMP. LONZO JOHNSON, Indianapolis, Ind. Filed Mar. 17, 1924. Serial No. 8,957. Term of patent 3½ years.



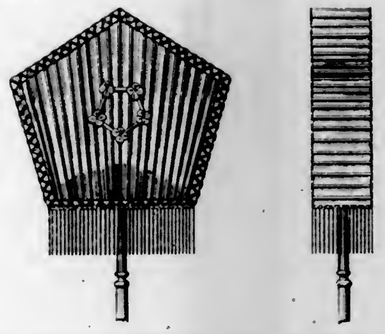
The ornamental design for a lamp, as shown.

65,119. LAMP SHADE. MARIE KIRCHMAN, Cicero, Ill. Filed Apr. 5, 1924. Serial No. 9,180. Term of patent 7 years.



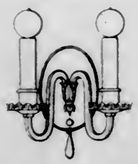
The ornamental design for a lamp shade as shown.

65,120. LAMP SHADE. MARIE KIRCHMAN, Cicero, Ill. Filed Apr. 5, 1924. Serial No. 9,181. Term of patent 7 years.



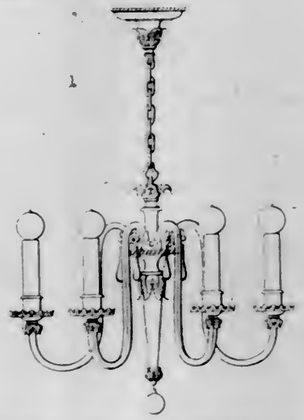
The ornamental design for a lamp shade as shown.

65,121. LIGHTING-FIXTURE BRACKET. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,405. Term of patent 7 years.



The ornamental design for a lighting fixture bracket, as shown.

65,122. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,410. Term of patent 7 years.



The ornamental design for a chandelier, as shown.

65,123. SPOON OR SIMILAR ARTICLE. THOMAS B. LASHAR, Fairfield, Conn., assignor to Associated Silver Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1923. Serial No. 5,982. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

65,124. COOLING AND DISPENSING DEVICE. FRANK L. LOOK, Pasadena, Calif. Filed Apr. 10, 1924. Serial No. 9,215. Term of patent 3½ years.



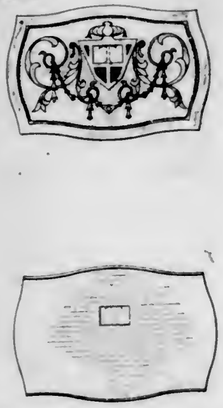
The ornamental design for a cooling and dispensing device, as shown.

65,125. DOLL. ENICE JEAN LOUBET, New York, N. Y. Filed Mar. 6, 1923. Serial No. 5,379. Term of patent 3½ years.



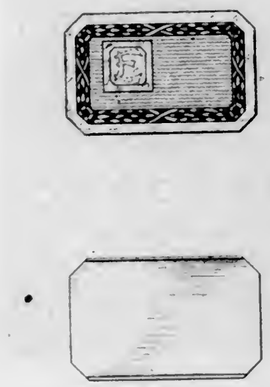
The ornamental design for a doll, as shown.

65,126. BELT-BUCKLE FRAME. MERRIL MABON, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,448. Term of patent 7 years.



The ornamental design for a belt buckle frame, as shown.

65,127. BELT-BUCKLE FRAME. MERRIL MABON, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,449. Term of patent 7 years.



The ornamental design for a belt buckle frame, as shown.

65,128. BELT SLIDE. MERRIL MABON, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,450. Term of patent 7 years.



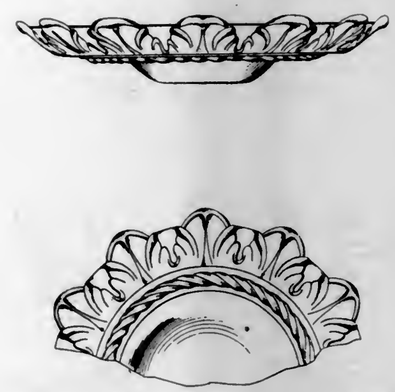
The ornamental design for a belt slide, as shown.

65,129. EDIBLE FOOD PRODUCT. FRANCIS G. MATSON, Washington, D. C. Filed Feb. 23, 1924. Serial No. 8,706. Term of patent 3½ years.



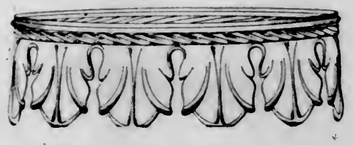
The ornamental design for an edible food product, as shown.

65,130. PLATE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,554. Term of patent 14 years.



The ornamental design for a plate for lighting fixtures as shown.

65,131. RING FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,557. Term of patent 14 years.



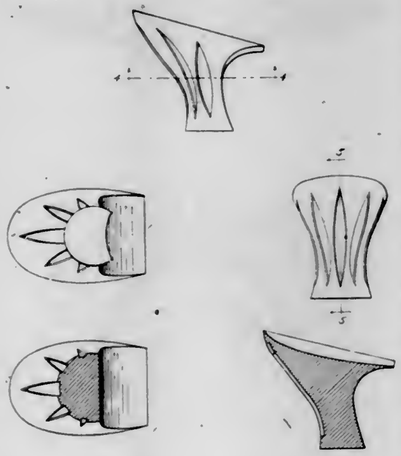
The ornamental design for a ring for lighting fixtures as shown.

65,132. SPINDLE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,560. Term of patent 14 years.



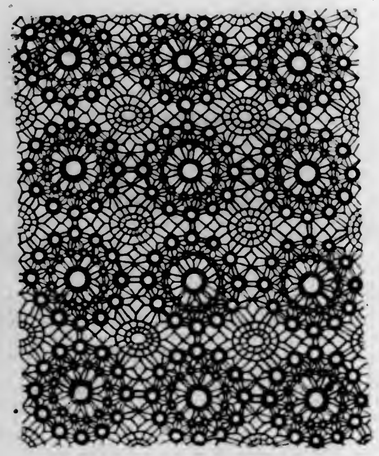
The ornamental design for a spindle for lighting fixtures as shown.

65,133. SHOE HEEL. WILLIAM H. NUTT, Newburyport, Mass. Filed Apr. 28, 1923. Serial No. 5,996. Term of patent 7 years.



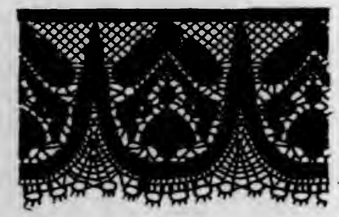
The ornamental design for a shoe heel, as shown.

65,134. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 6, 1924. Serial No. 8,851. Term of patent 3½ years.



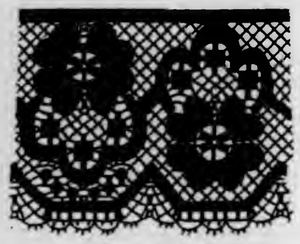
The ornamental design for lace substantially as shown.

65,135. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed Apr. 25, 1924. Serial No. 9,399. Term of patent 14 years.



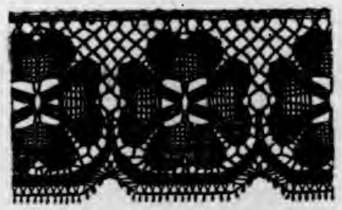
The ornamental design for lace as shown.

65,136. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed Apr. 25, 1924. Serial No. 9,400. Term of patent 14 years.



The ornamental design for lace as shown.

65,137. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed Apr. 26, 1924. Serial No. 9,415. Term of patent 14 years.



The ornamental design for lace as shown.

65,138. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed May 6, 1924. Serial No. 9,493. Term of patent 14 years.



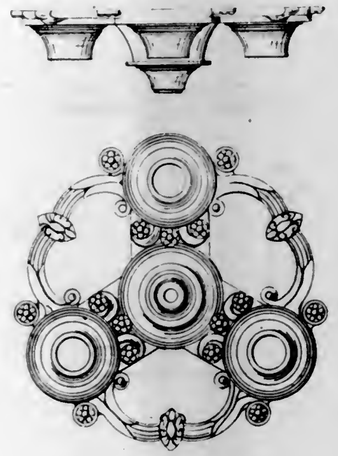
The ornamental design for lace as shown.

65,139. CRETONNE. JACOB C. REZNIK, Brooklyn, N. Y. Filed July 23, 1923. Serial No. 6,840. Term of patent 7 years.



The ornamental design for cretonne, as shown.

65,140. CEILING FIXTURE FOR ELECTRIC LIGHTS. CEPHAS B. ROGERS, Danbury, Conn. Filed Mar. 25, 1924. Serial No. 9,067. Term of patent 3½ years.



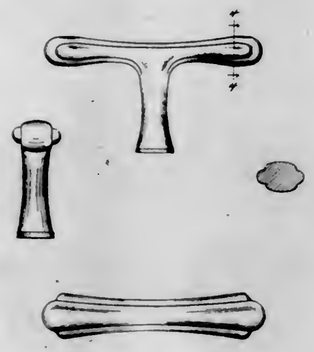
The ornamental design for a ceiling fixture for electric lights, as shown.

65,141. ELECTRIC-LIGHT BRACKET. CEPHAS B. ROGERS, Danbury, Conn. Filed Mar. 25, 1924. Serial No. 9,068. Term of patent 3½ years.



The ornamental design for an electric light bracket, as shown.

65,142. HANDLE. LOUIS ROTH, New York, N. Y., assignor to Sterling Bronze Company, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1922. Serial No. 1,386. Term of patent 7 years.



The ornamental design for a handle, as shown.

65,143. BOTTLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed June 17, 1921. Serial No. 478,447. Term of patent 3½ years.



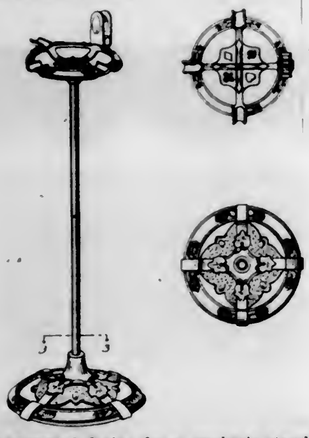
The ornamental design for a bottle as shown and described.

65,144. BOTTLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed June 17, 1921. Serial No. 478,449. Term of patent 3½ years.



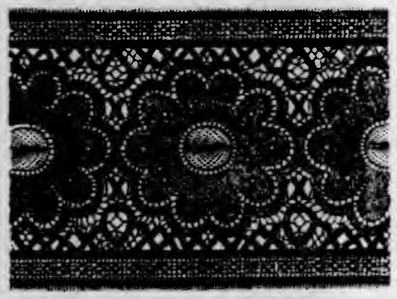
The ornamental design for a bottle as shown and described.

65,145. SMOKER'S STAND. BERNHARD SCHAEFER, Cincinnati, Ohio. Filed Apr. 14, 1924. Serial No. 9,253. Term of patent 7 years.



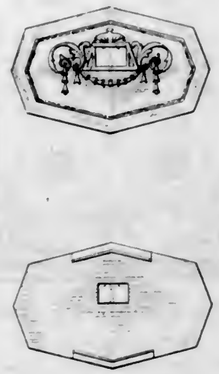
The ornamental design for a smoker's stand, as shown.

65,146. LACE. HANS SEEL, Hopkinton, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed May 6, 1924. Serial No 9,495. Term of patent 14 years.



The ornamental design for lace as shown.

65,147. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,445. Term of patent 7 years.



The ornamental design for a belt buckle frame, as shown.

65,148. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,446. Term of patent 3½ years.



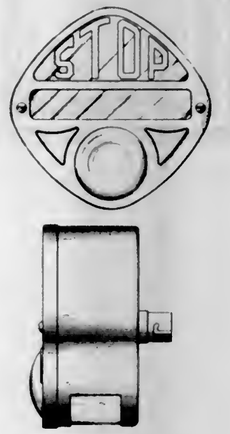
The ornamental design for a belt slide, as shown.

65,149. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 9,447. Term of patent 3½ years.



The ornamental design for a belt slide, as shown.

65,150. AUTOMOBILE SIGNAL LAMP. PAUL A. STOVER, Racine, Wis. Filed Aug. 25, 1923. Serial No. 7,090. Term of patent 14 years.



The ornamental design for an automobile signal lamp as shown.

65,151. RUG. ALGERMONT H. WALDO, St. Paul, Minn. Filed Apr. 21, 1924. Serial No. 9,346. Term of patent 3½ years.



The ornamental design for a rug, as shown.

65,152. RUG. RAYMOND WALDO, St. Paul, Minn. Filed Apr. 21, 1924. Serial No. 9,347. Term of patent 3½ years.



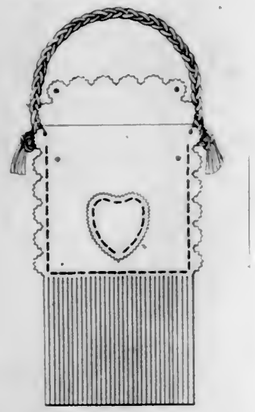
The ornamental design for a rug, as shown.

65,153. RUG. ALGERMONT H. WALDO, St. Paul, Minn. Filed Apr. 23, 1924. Serial No. 9,373. Term of patent 3½ years.



The ornamental design for a rug, as shown.

65,154. HAND BAG. MARTHA J. WASIA and LENA L. CARR, Dickens, Nebr. Filed Apr. 15, 1924. Serial No. 9,279. Term of patent 3½ years.

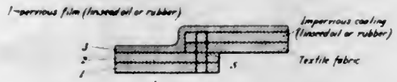


The ornamental design for a hand bag, as shown.

PATENTS

GRANTED JULY 8, 1924.

1,500,097. IMPERVIOUS-SEAMED ARTICLE AND PROCESS OF MAKING THE SAME. CLINTON D. ABRAHAM, Wilmington, Del.; Chester H. Ross administrator of said Abraham, deceased. Filed Apr. 14, 1920. Serial No. 373,961. 23 Claims. (Cl. 91—68.)

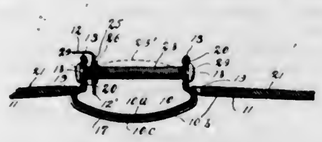


1. The process of making an impervious seamed article which comprises securing together the margins of suitably shaped fabric that has been coated on one side only with an impervious film, applying a coating solution of an impervious film-forming substance to the resulting article, and upon said one side only, and drying the article to produce a second film.

10. The process of making an impervious article, which comprises coating a web of fabric with a solution of an impervious film-forming substance, dissolved in a suitable solvent, drying the fabric to provide a film, making the fabric into the article, coating the made up article with a solution essentially similar to the first named solution though containing more solvent, and drying the article.

23. A protective glove made of cotton fabric having a soft, napped interior surface and having for its exterior surface a continuous film of fluid-impervious material extending over the seams of the glove as well as over the unseamed surface thereof.

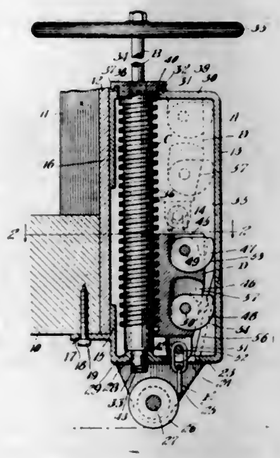
1,500,098. LOOSE-LEAF ALBUM. JULIUS M. ALTER, Brooklyn, N. Y. Filed Jan. 18, 1923. Serial No. 613,444. 2 Claims. (Cl. 129—20.)



1. The herein described book construction comprising a channel-shaped metal back having spaced parallel edges, a series of leaves having hinge portions located between said edge portions of the back, a pair of flexible hinge strips having their edges secured to said edge portions of the back, and fasteners for the leaves passing through said hinge strips, the metal back edges, and the leaves.

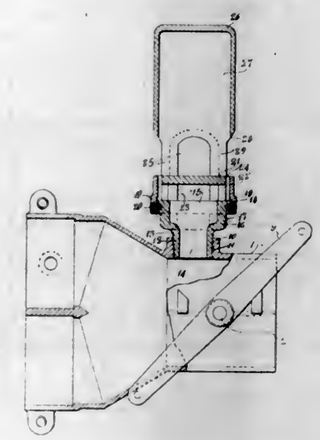
1,500,099. HAND BRAKE. HARLEY E. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 31, 1922. Serial No. 585,479. 17 Claims. (Cl. 74—119.)

1. In a hand brake for railway cars; the combination with a shaft; of a brake chain; mechanism connecting the shaft and chain to cause the chain to be tightened during the rotation of said shaft in one direction; and



automatic means for causing said mechanism to be disconnected upon rotation of said shaft in the reverse direction.

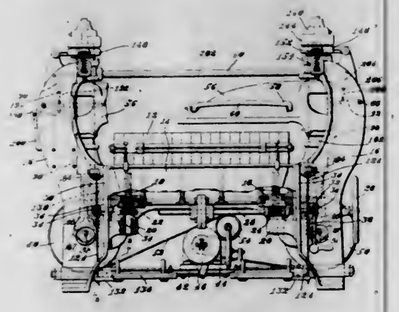
1,500,100. EXHAUST WHISTLE. ROBERT C. ANDERSON and FREDERICK F. RIKE, Dayton, Ohio, assignors to Buckeye Iron & Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 3, 1923. Serial No. 616,818. 2 Claims. (Cl. 116—138.)



1. A two-part automotive exhaust whistle comprising a lower part having a hollow attaching nipple opening

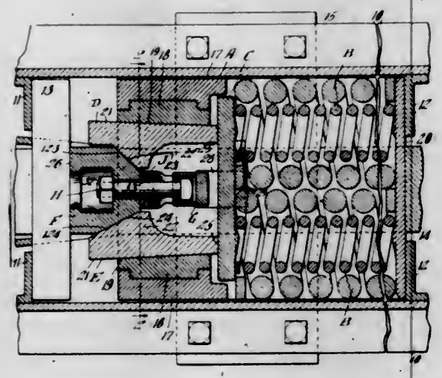
into an expanded chamber, said chamber having on its exterior a threaded flange, a disk above said chamber having cut away portions and supported on legs integral with said lower portion and disk, a dome screw-threaded for attachment to said flange and having legs which when attached to the lower portion and adjusted for use, stand opposite the legs on the lower portion of the whistle, said disk filling said dome portion except for the cut away portions at the periphery of the disk, said dome having cut away portions above the cut away portions in the disk.

1,500,101. PRESS. MILTON H. BALLARD, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 16, 1921, Serial No. 470,087. Renewed Nov. 10, 1923. 47 Claims. (Cl. 164—19.)



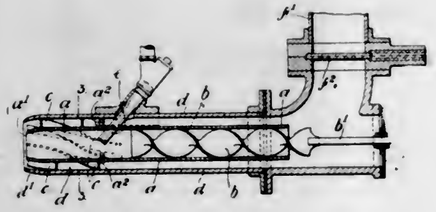
1. In a starting mechanism, a clutch, a lever having connections to the clutch, a second lever movable relatively to the first mentioned lever angularly in the plane defined by alined portions of said levers while the first lever remains stationary, and a manually operable lever having an arm movable in a plane at right angles to the first mentioned plane for operating the clutch lever.

1,500,102. FRICTION SHOCK-ABSORBING MECHANISM. ARILD M. BRENNE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 7, 1922. Serial No. 579,999. 6 Claims. (Cl. 213—32.)



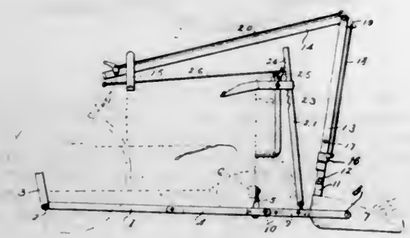
1. In a friction shock absorbing mechanism, the combination with a friction shell; of friction shoes cooperable therewith; pressure-transmitting wedging means cooperating with the shoes; a main spring resistance operative to yieldingly resist relative movement between the shoes and shell; a supplemental spring resistance; and means operative after a predetermined movement of the mechanism arranged to render said supplemental spring resistance effective in tandem with the main spring resistance during a compression stroke.

1,500,103. FLUID-FUEL BURNER. WILLIAM MURRAY BURDON and MATTHEW MURRAY BURDON, Bellshill, Scotland, assignors to Burdons Limited, Bellshill, Lanarkshire, Scotland, a Corporation of Great Britain. Filed Dec. 20, 1920. Serial No. 432,010. 16 Claims. (Cl. 158—1.)



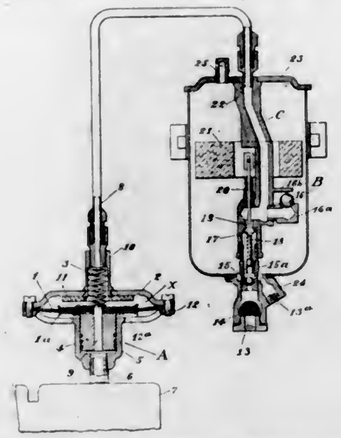
1. A burner for furnaces comprising an outer tube, an inner tube disposed within the outer tube and acting to divide a current of air introduced into the outer tube into two streams, means on the inner tube for supporting one end of said tube centrally within the outer tube and for gyrating one of said air streams in one direction, means within the inner tube for supporting the other end thereof centrally within the outer tube and for gyrating the other of said air streams in the opposite direction to that of the first mentioned stream, and means disposed angularly to the axis of said burner for introducing fluid fuel under gravity into the inner tube, the inner end of the last said means being disposed in front of the gyrating means in the inner tube.

1,500,104. EXCAVATING SHOVEL OR SCRAPER. WALFRED F. CARLBERG, Sisseton, S. Dak. Filed May 10, 1922. Serial No. 559,841. 9 Claims. (Cl. 37—126.)



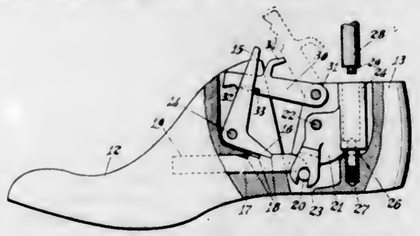
1. An excavating scraper, designed for connection with tractors, including a scraping bucket, means to permit said bucket to automatically elevate on endwise strain incident to a scooping movement, and means to automatically lock said bucket in elevated position.

1,500,105. DIAPHRAGM PUMPING DEVICE. WILLIAM C. CARTER, St. Louis, Mo. Filed Dec. 27, 1920. Serial No. 433,399. 4 Claims. (Cl. 103—44.)



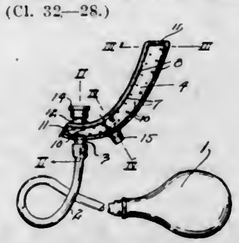
1. A pumping device, comprising a diaphragm, an actuating means for said diaphragm comprising a piston mechanically connected to the diaphragm, a cylinder in which said piston is reciprocatingly mounted, a second cylinder wherein pressure is created intermittently, and a connection between said cylinders.

1,500,106. LAST. JAMES CAVANAGH, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 17, 1919. Serial No. 290,674. 15 Claims. (Cl. 12—136.)



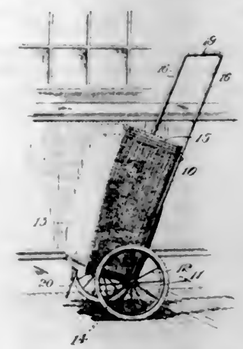
1. A last comprising fore and heel parts having longitudinally adjustable connections, whereby the operative length of the last may be substantially varied, constructed and arranged to hold the last against collapse, said connections being readily separable in the use of the last.

1,500,107. DENTAL APPLIANCE. JERMAIN CHANDLER, Toledo, Ohio. Filed June 5, 1923. Serial No. 643,493. 7 Claims. (Cl. 32—28.)



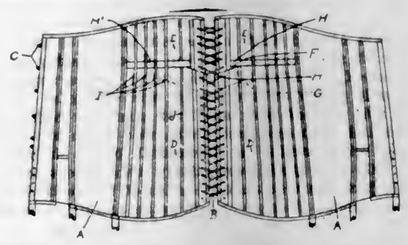
1. In an appliance for cleansing the mouth, a passage forming channel for opposing a jaw, said channel having from its passage and directed into the way provided by said channel jet outlets.

1,500,108. SHOPPING OR MARKETING TRUCK. GRACE T. CLAYTON, Chevy Chase, Md. Filed Sept. 27, 1920. Serial No. 413,045. 7 Claims. (Cl. 280—51.)



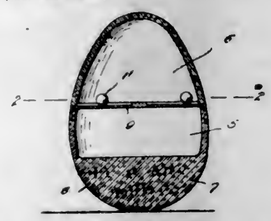
1. An article truck comprising the combination, with a substantially flat inverted U-frame and a pair of running wheels secured to said frame adjacent the lower ends of the U-arms, of a vertically elongated noncollapsible basket, open only at its upper end and having a flattened rectagular cross-section, secured flatwise to said frame, said frame extending upwardly beyond said container to provide both a handle bar and a bail.

1,500,109. CORSET. HARRY A. COLLEY, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 24, 1920. Serial No. 376,254. 5 Claims. (Cl. 2—27.)



1. A corset comprising complementary main body sections, and a lacing connecting said sections, each section having overlapping upper and lower marginal portions engaged by said lacing, and tie strips secured to the upper marginal portions near their adjacent edges and in proximity to the lower marginal portions, said strips extending freely across said upper marginal portions and being secured to the body portions of the sections.

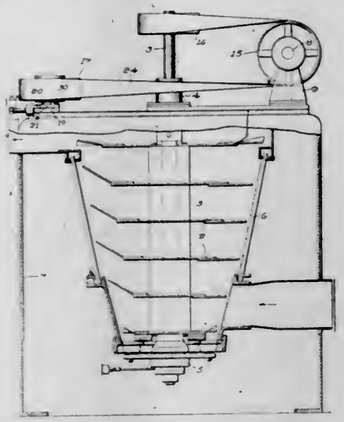
1,500,110. GAME DEVICE. JOHN W. CULP, Johnstown, Pa. Filed Aug. 6, 1923. Serial No. 655,907. 3 Claims. (Cl. 46—56.)



1. In a game device of the character set forth, a hollow and transparent egg shaped member weighted at its

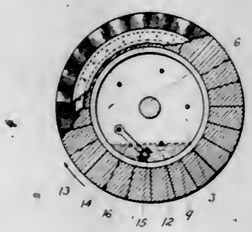
lower end whereby said member normally assumes an upright position, a supporting plate within said member, and a pair of game pieces movable thereon for purposes described.

1,500,111. VERTICAL COTTON-OPENING MACHINE. ROBERT S. CURLEY, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 9, 1923. Serial No. 618,148. 2 Claims. (Cl. 19—90.)



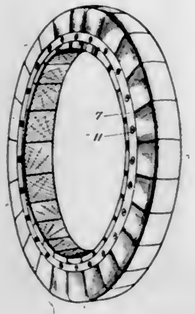
2. A cotton opening machine comprising, in combination, an outer casing, a vertical beater mounted in said casing, a vertical shaft supporting said beater, bearings supporting said shaft, a driven pulley mounted on the upper end of said shaft above said casing, a horizontal jack shaft supported on the top of said casing at one side thereof, a horizontal guide pulley, means supporting said guide pulley on the top of said casing at the opposite side thereof from said jack shaft for adjustment toward and from said jack shaft, said guide and driven pulleys being located in horizontal planes below and above said jack shaft, respectively, two pulleys mounted on said jack shaft at opposite sides of the vertical plane passing through the axes of said guide, and driven pulleys, one of the pulleys on said jack shaft being fast thereon and the other loose, and a belt supported on all of said pulleys and driven by said fast pulley.

1,500,112. OILER. THOMAS G. DADE, St. Marys, Ohio. Filed May 14, 1923. Serial No. 638,879. 3 Claims. (Cl. 64—26.)



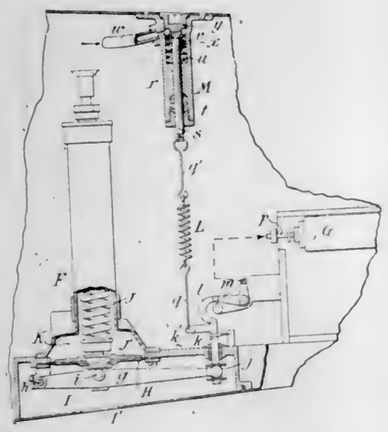
1. In combination with a wheel having a central cavity and an axle projecting through it, of an oiler member comprising a pivoted lever arm eccentrically mounted in the cavity and having swinging movement toward and away from the axle so as to take up oil from the cavity and deposit it on the axle.

1,500,113. WHEEL. THOMAS G. DADE, St. Marys, Ohio. Filed May 14, 1923. Serial No. 638,882. 1 Claim. (Cl. 152—9.)



A wheel tire comprising a plurality of wedge-shaped wooden blocks arranged end to end in circular series, flat metallic rings inserted into grooves in opposite faces of the blocks and screws passing through the rings and into the blocks, there being two screws in each block, one entering through a ring on each side of the block.

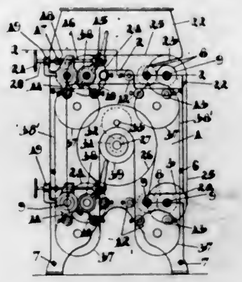
1,500,114. DEPTH MECHANISM FOR AUTOMOBILE TORPEDOES. WILLIAM DIETER, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Feb. 9, 1924. Serial No. 691,721. 9 Claims. (Cl. 114—25.)



1. In a torpedo, a hydrostat comprising a diaphragm exposed on its exterior side to hydraulic pressure, and a spring chamber and spring on its interior side, combined with means for compensating during the run of the torpedo for the variation in pressure against the diaphragm due to temperature changes within the torpedo.

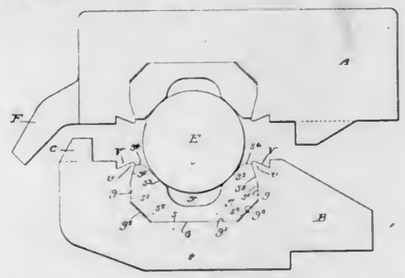
1,500,115. ROLLER MILL. ROWAN T. F. DODDS, Welland, Ontario, Canada. Filed Nov. 24, 1922. Serial No. 602,932. 3 Claims. (Cl. 83—12.)

1. In a roller-mill, end frames of metal each formed with an integral upward extension at the middle of its upper end; brackets for the spindle bearings of grinding rolls secured to the frame adjacent the angles between said extension and the upper end of the frame; and



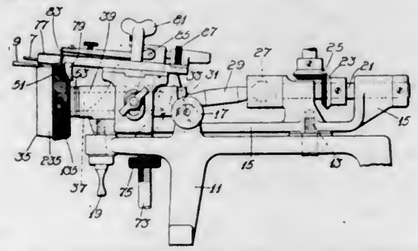
brackets for complementary grinding rolls pivoted on the main part of the frame adjacent the top of the lower part of the frames at each side of the extension.

1,500,116. TYPEWRITING MACHINE. BERNARD J. DOWD, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 29, 1923. Serial No. 660,008. 3 Claims. (Cl. 197—69.)



1. A bearing for a typewriter carriage, comprising balls or rollers, and rails between which the balls are mounted provided with wearing members having wearing faces which engage the balls, one of said rails having a forwardly extending flange to protect the bearing from dust.

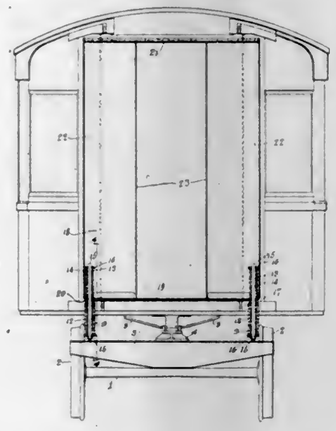
1,500,117. SKIVING MACHINE. NEWELL V. DYER, Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 13, 1919. Serial No. 317,311. 26 Claims. (Cl. 69—16.)



1. A machine of the class described having, in combination, a feed roll having a single work-engaging surface adapted to permit skiving of work upon it, and work gaging means for guiding the work over the roll in either of two different positions to produce either a feather-edge or a seam scarf; said roll being adjustable to produce a shoulder scarf.

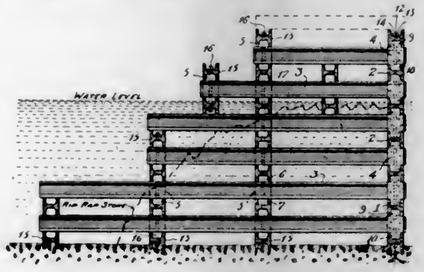
26. A machine of the class described having, in combination, a skiving knife, a feed roll for advancing work to the knife, an angularly adjustable carrier by which the roll is carried, the axis about which the member is adjustable being substantially tangential to the periphery of the roll at a point spaced a substantial distance from one end thereof, and means whereby the roll and knife may be adjusted relatively to each other in a direction transverse to the direction of feed of the work.

1,500,118. RAILWAY CAR. CHARLES J. ELLIS, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 14, 1923. Serial No. 680,603. 7 Claims. (Cl. 105—4.)



1. In a railway car, the combination with a truck bolster and cars articulated thereon, of a vestibule partly positioned over the platforms and partly over the bolster, and resilient side bearings acting between the bolster and the vestibule to cause the vestibule to resist swaying movements or tendencies of the platforms.

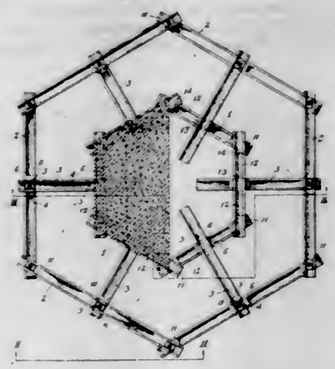
1,500,119. WAVE-RESISTING STRUCTURE. WILLIAM H. EVERS, Lakewood, Ohio, assignor of one-third to William E. Pease and one-third to Noah H. Suloff, both of Cleveland, Ohio. Filed Jan. 3, 1922. Serial No. 526,549. 3 Claims. (Cl. 61—47.)



1. A crib consisting of crossed courses of concrete H beams, the beams of one of said courses being arranged with the webs thereof substantially horizontal, the beams of an intersecting course being arranged with the webs thereof substantially vertical, said horizontal web beams and vertical web beams alternating at the intersection of said courses; pillow blocks between adjacent horizontal web beams, said pillow blocks each having

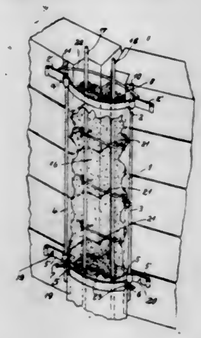
end portions fitting within opposed channels of said horizontal web beams and an intermediate portion fitting within a channel of the intermediate vertical web beam; and tie bolts passing through the horizontal webs and pillow blocks.

1,500,120. WAVE-RESISTING STRUCTURE. WILLIAM H. EVERS, Cleveland, Ohio, assignor of one-third to William E. Pease and one-third to Noah H. Suloff, both of Cleveland, Ohio. Filed Jan. 3, 1922. Serial No. 526,550. 12 Claims. (Cl. 61—47.)



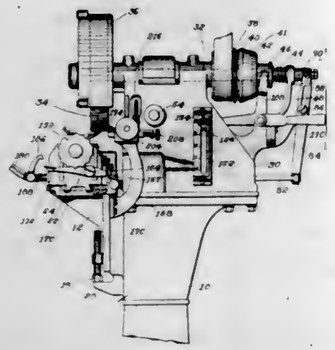
2. In a wave resisting structure, the combination with an inner polygonal solid wall; of an open cribwork consisting of crossed courses of beams surrounding and spaced from said wall, and means connecting said courses of beams with the solid wall.

1,500,121. METAL FALSEWORK FOR CONCRETE CONSTRUCTION. DANIEL JEAN GUSTAVE FONTAINE, Paris, France. Filed Dec. 22, 1922. Serial No. 608,555. 2 Claims. (Cl. 25—131.)



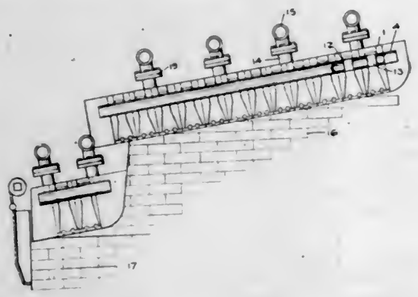
1. A falsework shield of metal for constructions made partly or entirely of reinforced shaken concrete consisting of a plate of sheet iron of cross section curved according to the shape which the shaken concrete is designed to have and having two notches in its lower edge one near each lateral edge, band irons at the upper end lower edges of said plate projecting over the lateral edges of the same to serve as handles, band irons stiffening the lateral edges of said plate curved to form lugs, iron rods on said lugs projecting over the upper edge of said plate, hooks at the upper ends of said rods and means for securely fixing said plate upon the walling, in course of construction.

1,500,122. GRINDING MACHINE. ALFRED B. FOWLER, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 26, 1916. Serial No. 138,913. 48 Claims. (Cl. 51—82.)



1. In a machine of the type described, a blade holder, a gage for determining the position of the blade in the holder, means for setting the machine in operation, and means responsive to the operation of the first mentioned means for causing the withdrawal of said gage to inoperative position.

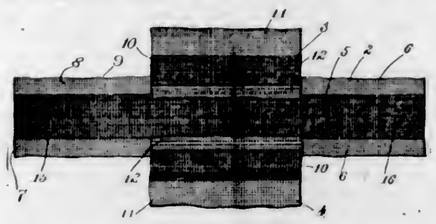
1,500,123. FURNACE ARCH. JOHN WILLIAM GATES, Montreal, Quebec, Canada. Filed May 11, 1923. Serial No. 638,275. 5 Claims. (Cl. 110—99.)



1. In furnace arch construction, transverse main air tubes suitably supported in the furnace structure, longitudinal subsidiary tubes supported from said main tubes and having enclosed passages therethrough open to the atmosphere and to the arch and rows of bricks joined to said subsidiary tubes and having passages therethrough registering with passages through said subsidiary tubes.

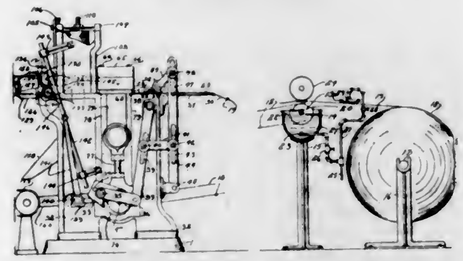
1,500,124. FILTER-PRESS CLOTH. HARRY C. HALE, Baltimore, Md., assignor to William E. Hooper and Sons Company, a Corporation of Maryland. Filed July 26, 1923. Serial No. 653,972. 1 Claim. (Cl. 100—54.)

A filter press cake wrapper composed of woven fabric consisting of a center strip and side flaps, the center strip having warp threads in the central portion thereof, closely laid, and warp threads in the edge portions thereof less closely laid producing a heavy closely woven central portion, and a comparatively light loosely woven edge portion, the side flaps likewise having a heavy closely woven central portion and a lighter more loosely woven edge portion, the thickened portion of the centre strip serving to cover the top, bottom and ends of the press cake, and the thickened portions of the side flaps



serving to cover the sides of the press cake, the lighter edge portions serving to hold the flaps in position substantially as described.

1,500,125. TRAY MANUFACTURE. WILLIAM E. HALL, Monroe, Mich., assignor to Fred M. Longnecker, Delta, Ohio. Filed Mar. 19, 1923. Serial No. 626,016. 8 Claims. (Cl. 93—42.)



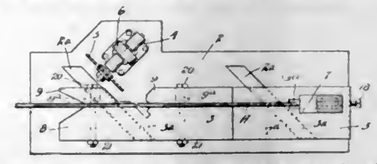
1. The method of producing a tray from continuous sheet stock, including the defining of a form, and the scoring of the form in a line on one side of the stock, and simultaneously scoring the form in a line on the opposite side of said stock, said lines in the direction of their extent diverging from each other.

1,500,126. PROCESS OF PURIFYING BRINE FOR ELECTROLYSIS. HUGO H. HANSON and JOHN T. LEECOCK, Bangor, and CHARLES A. BLODGETT, Brewer, Me., assignors to Eastern Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 9, 1919. Serial No. 329,424. 2 Claims. (Cl. 23—13.)

1. The herein described process of purifying a sodium chloride brine, containing a soluble salt of magnesium, for use in electrolytic cells, which comprises the following steps: evaporating and concentrating the mixed sodium chloride, and caustic effluent resulting from the electrolytic decomposition of a sodium chloride solution, removing from said effluent the sodium chloride and a proportion of caustic soda in excess of that required to precipitate magnesium hydroxide in said first-mentioned solution, whereby such magnesium hydroxide may be precipitated, and mixing the removed sodium chloride and excess caustic soda with said first-mentioned brine to be purified.

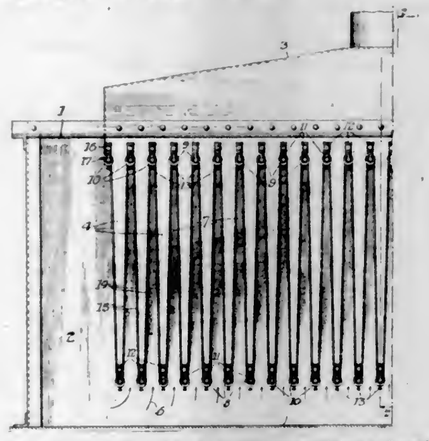
1,500,127. TUBE-CUTTING APPARATUS. JOSEPH D. HARRIS, Detroit, Mich., assignor to McCord Manufacturing Company, Detroit, Mich., a Corporation of New York. Filed May 9, 1921. Serial No. 467,863. 6 Claims. (Cl. 29—69.)

1. An apparatus for cutting a plurality of cylindrical members with their ends at an angle to their axes, comprising a holder for said members, a gauge having a flat gauging surface of sufficient extent to be contacted by all said members extending substantially normal to the axes of said members, and a cutting member, in relation



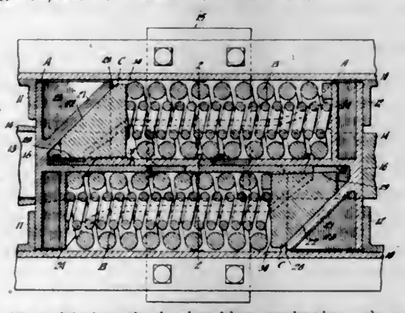
to which the said holder is movably arranged, with its cutting edge inclined to the axes of the cylindrical members at the desired angle of cut.

1,500,128. DRY FILTER. BERT S. HARRISON, Chicago Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1922. Serial No. 548,379. 4 Claims. (Cl. 183—71.)



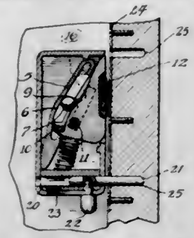
1. A filter of the class described comprising a housing having an inlet and an outlet, longitudinal depending serrated partitions in said housing, a double row of supporting bars extending between said partitions part at the bottom and part at the top of the serrations, a filtering cloth stretched in festoons between said bars, and metallic clips substantially U-shaped in cross section for securing the filtering cloth to the edges of said serrated partitions.

1,500,129. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 21, 1923. Serial No. 652,901. 7 Claims. (Cl. 213—22.)



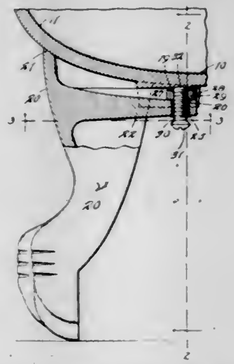
1. In a friction shock absorbing mechanism, the combination with two friction cages having longitudinally arranged and opposed friction surfaces, said cages having integral engaging shoulders limiting their separating movement; of spring and wedge means co-operating with said cages and arranged to exert pressure in a direction transverse to the line of relative movement of said cages.

1,500,130. WINDOW-SASH STOP AND LOCK. WILLIAM HERINGER, Dogden, N. Dak. Filed Jan. 31, 1922. Serial No. 533,021. 8 Claims. (Cl. 292—342.)



1. In combination with a window sash a resiliently actuated shoe movable obliquely in relation to the sash and the window frame; operatively associated with an obliquely inclined fixed track whereby to secure wedging engagement; and means coacting with the weight of the sash to automatically sustain pressure engagement between the sash and the window frame.

1,500,131. FASTENER FOR BATHTUB LEGS. EDWIN A. HIBLER and LEONARD BROWN, Uniontown, Pa. Filed May 25, 1923. Serial No. 641,303. 1 Claim. (Cl. 4—186.)



In a device of the class described, the combination with a bath tub having a pair of spaced apart undercut lugs depending from the underside thereof, a supporting leg provided with a tenon projecting horizontally therefrom and adapted to fit between the pair of lugs and between the legs and the tub with a dove-tail tenon connection therebetween, the upper side of the tenon facing the tub provided with an easily accessible non-circular recess, a tube extending vertically through the tenon and opening at its upper end into the recess, the upper end of the tube being constructed and arranged to provide a nut seat, of a readily replaceable attachment comprising a nut loosely contained in the recess in bearing engagement with the nut seat and held by the sides of the recess from rotary movement and in bearing engagement with the upper end of the tube, and a bolt extending through the tube and otherwise independent of the same, accessible from the underside of the tenon, threaded through the nut and adapted to be screwed into bearing engagement with the underside of the tub to force the nut against the upper side of the tenon and thus force the tenon into engagement with the lugs thereby to lock the leg to the tub.

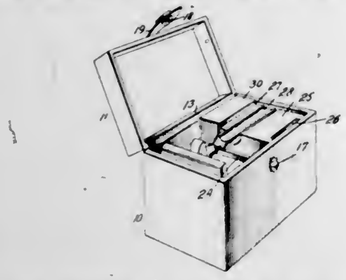
1,500,132. COMBINATION SHOVEL. CHARLES E. HUMMELGARD, Jersey City, N. J. Filed Mar. 9, 1923. Serial No. 623,837. 3 Claims. (Cl. 294—53.)

1. A device of the class described comprising a socket member having a pair of spaced apart ears thereon, a handle on said socket, a shovel spoon, a tongue member rigid on said spoon having a plurality of small holes on one face, a bolt passing thru said ears and tongue, a wing nut engaging said bolt, a plunger slidable in one of said ears, one end of said plunger extending above the surface of the ear and beneath the bolt head, the



latter being adapted to urge the end of said plunger stem into a hole in the tongue when tightened down on said ears, said plunger being adapted to lock the spoon in place by engaging a hole in said tongue, and means for lifting said plunger out of engagement with the tongue.

1,500,133. CONTAINER FOR SAFETY RAZORS. JOSEPH KAUFMAN, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Sept. 11, 1923. Serial No. 662,040. 4 Claims. (Cl. 206—16.)



1. A container of the character described for safety-razor outfits and to receive coins, said container being of box-like construction and comprising a body-portion and a chambered cover hinged at one edge thereto, said body portion having a horizontal partition subdividing it into a lower money-chamber and an upper chamber to receive a safety-razor and a package of reserve blades, said upper chamber having a vertical transverse partition and at one side thereof a space for a package of blades and a removable block which is grooved longitudinally to receive the handle of the razor while the body of the razor is within the space at the opposite side of said vertical partition, said horizontal partition having a hole in it mainly below said block and said block having a coin entrance slot leading to said hole.

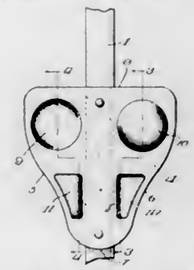
1,500,134. STRING FASTENER. WILFRIED KLAMROTH, New York, N. Y. Filed Apr. 17, 1920. Serial No. 374,550. 1 Claim. (Cl. 24—117.)

A string fastener comprising a pair of spaced members joined at one side thereof, a spiral spring interposed between said members, said spaced members having their edges crimped around the end convolutions of the spring,



adjacent convolutions of the spring being bent to diverge opposite the slide at which the spaced members are joined.

1,500,135. METAL FENCEPOST. RAYMOND C. KNOPKE, Wheaton, Ill. Filed Apr. 17, 1919. Serial No. 290,816. 3 Claims. (Cl. 189—29.)



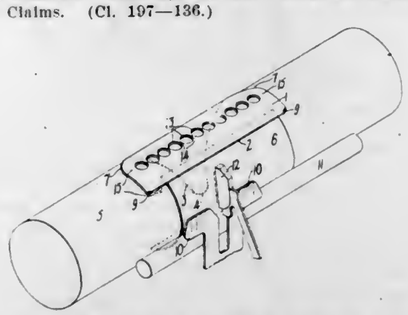
1. In combination, a post and an anchor plate secured thereto, said plate having a struck up strengthening rib thereon extending outwardly from the plane of the plate on one side thereby forming a depression upon the opposite side, said rib being joined throughout to the remainder of the plate.

1,500,136. CRATE. HARRY N. KNOWLTON, Chicago, Ill., assignor to Weyerhaeuser Forest Products, St. Paul, Minn., an Unincorporated Association. Filed Aug. 1, 1923. Serial No. 655,090. 9 Claims. (Cl. 217—49.)



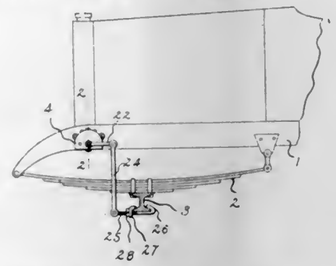
1. A crate, comprising a plurality of first pieces fitted together in the form of an open flat frame, a plurality of second pieces secured to the first pieces across the joints of the latter, and braces disposed angularly to each other on opposite sides of the pieces and secured thereto at their ends, whereby an article may rest flat-wise on the first pieces between the braces and be enclosed peripherally by the second pieces.

1,500,137. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 8, 1922. Serial No. 550,635. 8 Claims. (Cl. 197—136.)



1. To co-operate with a cylindrical platen of a typewriting machine, a card or label holder of thin resilient sheet-material to be sprung upon the platen to grip the platen, so as to be detachably held in position thereon by reason of its resiliency, said holder comprising a gripping lip to press one of the margins of a card or label against the platen to hold it for typing, and a tapering body to co-operate with the lip to grip the platen and the card or label.

1,500,138. SHOCK ABSORBER. GEORGE ROBERT LE MAIRE, Central City, Ky. Filed Feb. 19, 1923. Serial No. 620,021. 1 Claim. (Cl. 188—89.)



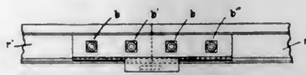
The combination with a vehicle frame and a spring supported wheel carrying axle thereon, of a shock absorber including a casing having a flat base and a rounded top secured to the frame, a block having an upper hollow face arranged centrally on the base of the casing, a hollow blade in the casing in contact with the side and top walls thereof, a hub on the blade resting in the concaved face of the block and having trunnions journalled one in the side and one through the opposite side of the casing, normally closed means for admitting a fluid into the casing to the opposite sides of the blade, spaced grooves on the hub to establish fluid communications in the casing to either side of the blade when the blade is moved to certain positions and to prevent such passage of fluid when the blade is in another position, means adjustable on the block and entering one of the grooves for regulating the passage of fluid through said grooves, and means carried by the axle and connected to the projecting trunnion of the blade for swinging the blade when the axle is subjected to vertical movement by shocks or jars.

1,500,139. RAILROAD TIE. HUGH C. LOAD, Erie, Pa. Filed June 27, 1921. Serial No. 480,616. 15 Claims. (Cl. 238—38.)



1. In a railroad tie, the combination of two plates having rail flange engaging lips, the lips of one plate extending in a direction opposite to that of the other and adapted to be moved over a rail flange by endwise movement of the two plates relatively to each other; and automatic means locking the plates in engaging position as they are moved endwise into engagement.

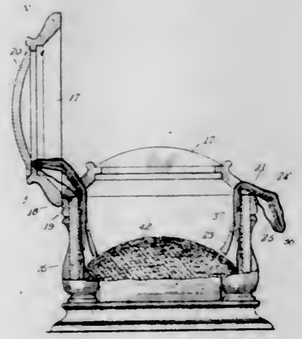
1,500,140. RAIL JOINT. JOHN E. MCMULLEN, Council Bluffs, Iowa. Filed Oct. 19, 1923. Serial No. 669,570. 1 Claim. (Cl. 238—193.)



In a rail joint two fish plates each having a complementary base plate formed thereon, said complementary

base plates forming a joint diagonal with the axis of the rails, a pin and receptacle in each complementary base plate adapted to engge a pin and receptacle in the other and bolts adapted to hold the said complementary plates engaged and to clamp the ends of the rails.

1,500,141. BURIAL CASKET. MURRAY J. MACDONALD, New York, N. Y. Filed Mar. 4, 1924. Serial No. 696,726. 17 Claims. (Cl. 27—19.)



1. A casket shell, a cover therefor, independently adjustable folding supports hinged to the inner edges of the opposite sides of said shell and adapted to be extended over the edges of said shell and a lining secured to the edges of the shell and enveloping said folding supports, said supports being adapted to be folded up entirely within said shell and below the edges thereof.

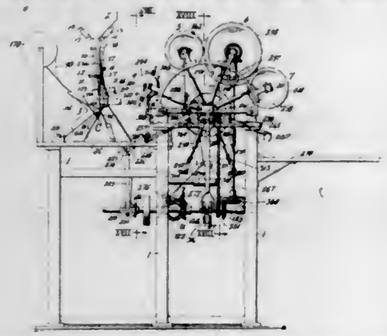
1,500,142. RECEPTACLE. FRANK MADLE, Berwyn, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1923. Serial No. 647,968. 3 Claims. (Cl. 220—1.)



1. A receptacle of the kind specified including a peripheral wall, a pair of heads secured thereto, a central opening in one of said heads, a cover-member having a central projection fitting said opening and frictionally engaged with the wall of same to seal said receptacle, said projection having a central opening and the peripheral wall thereof constituting a frame, a mirror or the like mounted in said frame, said cover member of greater area than said receptacle and equipped with a peripheral flange overlapping the peripheral wall of same, and a covering of celluloid or the like embracing said last-named flange of said cover and extending over the body and central opening of said cover for holding said mirror or the like in place in said frame.

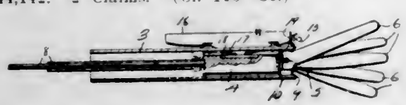
1,500,143. AUTOMATIC WRAPPING MACHINE. ALBERT E. MASPONS, Philadelphia, Pa. Filed Mar. 30, 1921. Serial No. 456,861. 58 Claims. (Cl. 93—5.)

1. A method of wrapping a cigar, which comprises rolling a wrapper about the cigar, creasing the wrapper about the tapering ends of the cigar, compacting the extreme ends of the wrapper on the cigar, pressing and



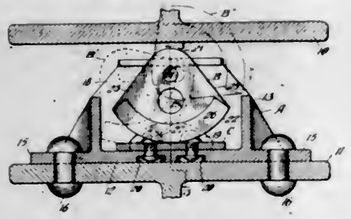
smoothing the creased portions of the wrapper upon the cigar, and trimming off any excess of wrapping material at the ends.

1,500,144. AUTOMOBILE SIGNAL. WILLIAM MEHLHAF, Sutton, Nebr. Filed Mar. 16, 1922. Serial No. 544,142. 2 Claims. (Cl. 116—30.)



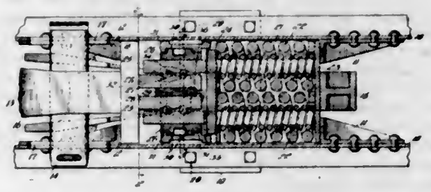
1. A vehicle direction indicator comprising elongated casings axially aligned, elongated members slidably mounted in said casings, said elongated members being connected together, a plurality of arms pivotally connected to the elongated members and forming signalling fans, the inner ends of said members being provided with straight surfaces, said straight surfaces being in the same vertical plane when the fans are spread, slidable spring actuated blocks mounted in chambers of the elongated members and cooperating with said straight surfaces for opening the fans when forced out of the casings and a handle member whereby either of said elongated members may be moved.

1,500,145. ANTIFRICTION SIDE BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 2, 1920. Serial No. 427,734. 6 Claims. (Cl. 64—65.)



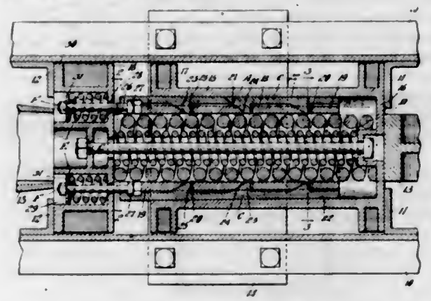
1. In an anti-friction side bearing, the combination with a retaining member open at the top having a bearing surface therein and provided with spaced end and side walls, said side walls having continuous inturned flanges along their edges remote from the bearing surface terminating short of the respective end walls, thereby restricting said top opening between said flanges; of an anti-friction element adapted to roll back and forth within said member, said element having integral studs at its ends, the overall distance from end to end of said studs being greater than the width of the restricted portion of the top opening and less than the distance between said side walls, said studs always extending under said flanges in any position of said element within its limits of travel; and means for limiting the travel of said element including a plurality of spaced lugs projecting from said bearing surface within said retaining member, said element having corresponding recesses cooperable with said lugs to thereby prevent bodily shifting of said element with respect to the retaining member, at least one of said lugs and the anti-friction element remaining in operative relation in any possible position of said element within its limits of travel.

1,500,146. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 8, 1921. Serial No. 499,210. 5 Claims. (Cl. 213—32.)



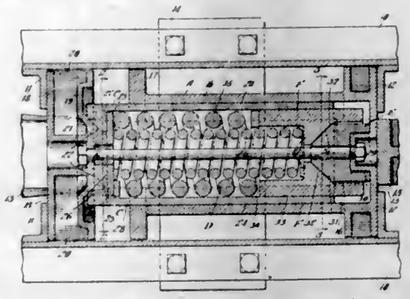
1. In a friction shock absorbing mechanism, the combination with a friction shell; of friction shoes within said shell; a pair of wedge members co-acting with said shoes; a movable friction element interposed between said members, said element being provided with guides, and said shell being provided with ways to receive said guides, said ways being provided with stops to limit the movement of said guides; and a spring resistance opposing inward movement of said shoes.

1,500,147. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 19, 1922. Serial No. 575,962. 8 Claims. (Cl. 213—32.)



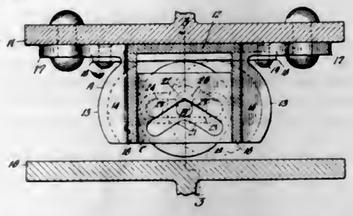
1. In a draft gear, the combination with an elongated hollow inner casing open at one end and provided with an abutment at the other end; of an elongated hollow outer casing telescopically receiving said inner casing and having an abutment at one of its ends opposite the abutment of said inner casing; elongated shoes interposed between said casings and each provided with a plurality of wedge surfaces disposed at intervals throughout its length, one of said casings having a corresponding plurality of cooperable wedge surfaces; a spring interposed between said abutments of the two casings; and yieldable means, located exteriorly of said inner casing, cooperable with said shoes and the casing having the wedge surfaces to hold the sets of wedge surfaces of the shoes and casing in engagement.

1,500,148. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 19, 1922. Serial No. 575,964. 2 Claims. (Cl. 213—32.)



2. In a friction shock absorbing mechanism, the combination with an outer casing; of a plurality of elongated shoes telescoped within and frictionally cooperable with said casing; a follower movable toward and from said casing; cooperable wedge means on said follower and adjacent ends of said shoes tending to force the shoes laterally outwardly; wedge means movable with said casing and cooperable with the opposite ends of said shoes to press said shoes laterally outwardly; spring means engaging said follower, said means reacting between the latter and the last named wedge means, operative to yieldingly resist relative approach of the casing and follower, and to effect an initial outward movement of said follower independently of said shoes during release of the mechanism; and cooperable means on said followers and adjacent ends of said shoes for retracting said shoes upon separation of the follower and casing.

1,500,149. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,206. 5 Claims. (Cl. 64—64.)

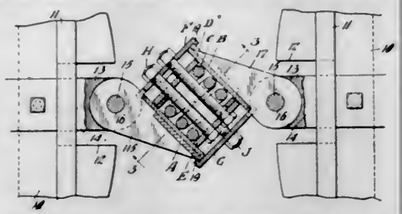


1. In an anti-friction bearing, the combination with a housing adapted to be secured to a bolster or the like; of an anti-friction element within said housing adapted for rolling movement to either side of central normal position; a counter-weight vertically, slidably mounted on said housing and having a double cam recess therein symmetrically arranged with respect to the vertical center line thereof; and an axially disposed projection carried by and movable bodily with said element and extended within said recess whereby, when said element is moved to either side of central position, said counterweight is vertically elevated and adapted to return the element to central position when said element is relieved of load.

1,500,150. RESILIENT SHACKLE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,211. 8 Claims. (Cl. 213—22.)

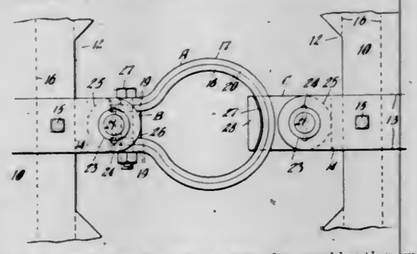
3. In a cushioning device, the combination with a spring; of a follower at each end of said spring; two

additional outer followers opposite said spring followers; tension transmitting means between each spring follower and corresponding remote outer follower; and



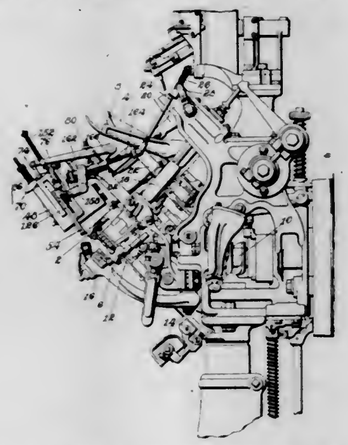
members, relatively movable in either direction, interposed between said outer followers and adapted to separate the latter upon relative movement of said members in either direction.

1,500,151. RESILIENT CONNECTER FOR MINE CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 4, 1923. Serial No. 660,726. 7 Claims. (Cl. 213—181.)



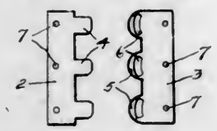
1. In a connecter for mine cars, the combination with a resilient loop; of means for connecting the same to two adjacent cars, comprising a block to which one end of the loop is pivotally connected, and a hook member coacting with the other end of the loop, said block being attached to one of said cars and the hook being attached to the car.

1,500,152. MACHINE FOR WORKING UPPERS OVER LASTS. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 24, 1919. Serial No. 332,958. 86 Claims. (Cl. 12—4.)



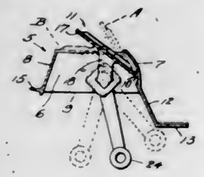
1. In a machine of the class described, the combination with means for working an upper inwardly over the margin of a sole on a last and for holding it in overworked position, of means arranged to operate while the upper is thus held to force a plurality of fastenings, through the upper and into the sole in directions substantially parallel to the plane of the sole.

1,500,153. BELT-FASTENING DEVICE. BESSIE E. REED, Kansas City, Mo. Filed July 29, 1922. Serial No. 578,432. 1 Claim. (Cl. 24—225.)



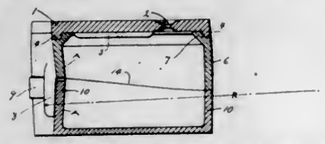
In a belt fastening device, the combination of a hook member comprising a plate having its one edge cut away to form of the cut away portions flat fingers, the end portions of the fingers being formed down and then formed back to form concealed hooks, and a hook engaging member comprising a plate having its one edge cut away to form of the cut away portions flat ears, said ears being apertured transversely on a suitable radius to form forwardly curved eyes, the concaved edge of the eyes being adapted for frictionally engaging the hooks on said hook member to thereby hold said members coupled and substantially aligned.

1,500,154. FIREPLACE DAMPER. ALBERT P. ROBINSON, Seattle, Wash. Filed Aug. 16, 1921. Serial No. 492,648. 12 Claims. (Cl. 126—288.)



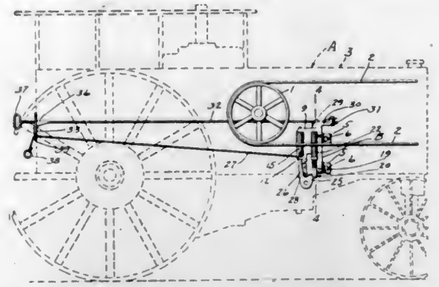
12. A fireplace damper comprising a casing having a throat opening with its ends inclined towards each other, a pivoted damper plate adapted to close the throat opening, the pivot axis thereof being located intermediate its side edges and laterally offset from its plane, to thereby swing through one side of said throat opening.

1,500,155. DENTAL FLASK. WILLIAM M. ROMINE and WALTER J. CLARK, Wichita, Kans. Filed Apr. 13, 1923. Serial No. 631,805. 2 Claims. (Cl. 18—33.)



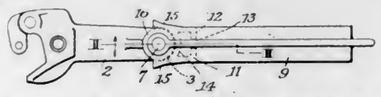
2. In a dental flask, a base containing member, a top member conforming in shape for the inside walls of said base member, a lid placed on said top member, guide means for causing said base and top member to register when placed together and to hold said members in rigid position, and said members adapted to close at the front, first, and rocking together, having a radial cam guide at the rear of said top member, causing said members to register firmly, an opening in the rear of said flask between said bottom and top members, and an opening between the straight portions on the rear of said flask, by which means superfluous materials may pass out when under pressure, the said straight portion of said flask members being inclined inward, as bracing means for said straight portion, all for the purpose set forth and described.

1,500,156. BELT-THROWING DEVICE. JOHN J. SATERN, Rothsay, Minn. Filed Nov. 1, 1920. Serial No. 420,974. 4 Claims. (Cl. 64—4.)



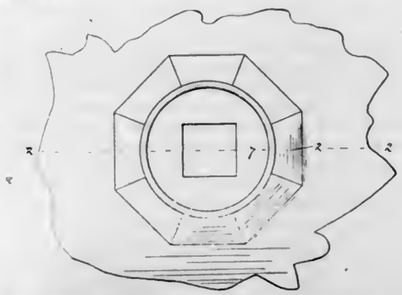
1. The combination with a tractor, and the driving pulley thereon, of a belt thrower located adjacent the lower side of the driving pulley comprising a bracket, a swinging means thereon for holding the belt on the pulley, a pivoted bell crank lever, a spring carried by the bracket normally holding said lever in position to engage and retain the swinging means in its normal position, an operating member connected to said lever for moving it to permit said swinging means to move from normal position, a pivoted lever having a roller thereon contacting the belt, and an operating means connected to said lever for swinging the same to push the belt from the pulley.

1,500,157. COUPLER YOKE. ERNEST H. SCHMIDT, Cleveland Heights, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 5, 1919. Serial No. 321,926. 3 Claims. (Cl. 213—72.)



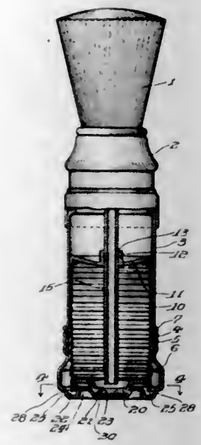
1. A coupler yoke comprising an upper and a lower arm integrally united at their rear ends; lugs at their forward ends providing a pivotal connection with a coupler shank; the yoke arms to the rear of said pivotal connection being united by walls forming a hollow rectangular member, the side walls of said member being extended forwardly and reinforcing said lugs against spreading, said reinforcement extending continuously from a point forward of said hollow rectangular member rearwardly to the rear wall thereof.

1,500,158. BUNGHOLE SPUD. THOMAS SEVERSON, Duluth, Minn.; James W. Walker, Duluth, Minn., administrator of said Thomas Severson, deceased. Filed Sept. 18, 1922. Serial No. 588,953. 1 Claim. (Cl. 220—39.)



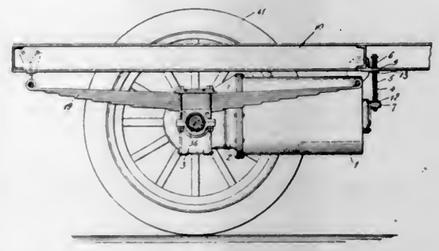
The combination with a metallic receptacle having a bunghole therein, of a spud for same having an inclined circumferential wall and an inclined annular slot spaced inwardly from the inclined wall and parallel therewith, said slot being for the reception of the marginal edges of the bunghole, and an annular stepped gasket seat intermediate of the uppermost termini of the inclined walls.

1,500,159. DISPENSING DEVICE. ISAAC C. SHALKOP, Philadelphia, Pa., assignor to The De Luxe Brush Company, Wilmington, Del., a Corporation of Delaware. Filed June 9, 1922. Serial No. 567,069. 3 Claims. (Cl. 221—79.)



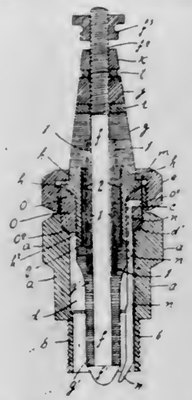
1. In a device for dispensing liquid or semi-liquid materials, comprising a shell adapted to receive a container for the material to be dispensed, which shell has a cap at its outer end which is provided with projections which are adapted to engage the said container whereby when the said shell is rotated the said container is rotated, and means whereby when the said container is rotated in one direction the material therein is caused to be discharged.

1,500,160. MOTOR-VEHICLE CONSTRUCTION. DONALD C. STOPPENBACH, New York, N. Y., assignor to Steinmetz Electric Motor Car Corporation, New York, N. Y., a Corporation of Maryland. Filed May 28, 1920. Serial No. 384,790. 3 Claims. (Cl. 180—57.)



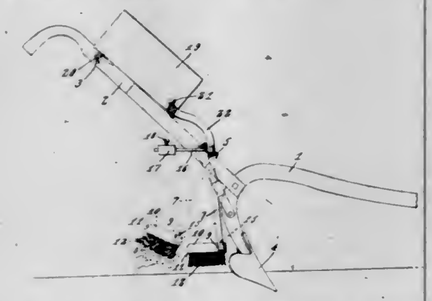
1. In a motor vehicle construction, the combination with the chassis frame, of a motor, a driving axle, a housing for said axle, a motor casing, a yielding support for said motor casing comprising a single universally mounted spring-connection between said casing and said frame, which permits the motor casing to move in a vertical plane in both directions from its neutral or rest position, and springs connected to said chassis frame and rotatably mounted on said axle housing.

1,500,161. SPARKING PLUG FOR INTERNAL-COMBUSTION ENGINES. GERALD BASIL SYKES, Cleckheaton, England. Filed June 14, 1921. Serial No. 477,580. 1 Claim. (Cl. 123—169.)



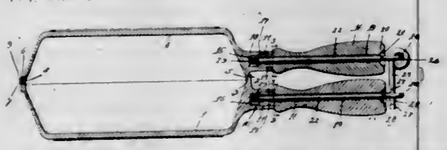
In a spark plug, the combination of a casing having a central hole and a tapering face therein, a positive electrode extending through said casing, an insulated metal sleeve having an annular projection and a tapered lower surface encircling said positive electrode within the casing, a vertical groove in the periphery of said sleeve, a negative electrode extending within said groove, and a grooved ring having tapered ends adapted to engage said sleeve and said negative electrode.

1,500,162. BOLL-WEEVIL DESTROYER. JAMES E. TATE, Elberton, Ga. Filed Nov. 14, 1921. Serial No. 515,081. 5 Claims. (Cl. 299—30.)



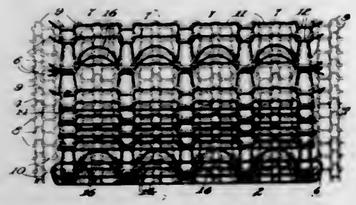
1. In a device of the class described, a support; a shaft mounted to rock on the support and having a depending arm; an applying member carried by the arm and adapted to engage a standing plant; and means for adjusting the pressure with which the applying member bears against the standing plant.

1,500,163. SKILLET. JAMES EDWARDS TATE, Elberton, Ga. Filed Dec. 1, 1922. Serial No. 604,252. 2 Claims. (Cl. 53—7.)



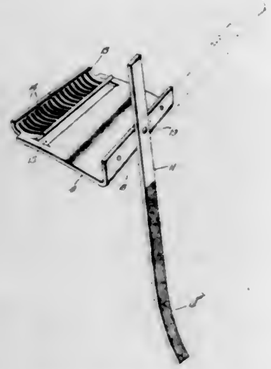
1. In a device of the class described, superposed pans having interengaging elements; handles; washers abutting against the handles, one washer carrying a keeper; securing members uniting the handles detachably with the pans and having heads engaging the washers; and a latch pivoted to one head and constructed to engage with the keeper of said washer of the other handle.

1,500,164. KNITTED FABRIC. EDWARD C. TAUBEL, Norristown, Pa. Filed Aug. 28, 1922, Serial No. 584,822. Renewed May 19, 1924. 10 Claims. (Cl. 66—4.)



1. A knitted fabric of the character described having a stripe formed in the knitting from additional threads, and a series of raised areas spaced apart at intervals longitudinally of said stripe and formed by drawing together groups of said additional threads with corresponding threads of the main fabric, certain of the additional threads of said groups having greater tension than the others, while the additional stripe-forming threads in the spaces between said raised areas follow the same courses and have the same tension as the corresponding threads of the main fabric.

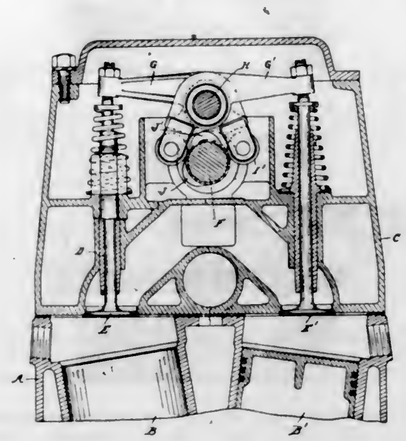
1,500,165. SAFETY RAZOR. TOWNSEND THORPE, Wilmington, Del. Filed Jan. 22, 1920, Serial No. 353,136. Renewed June 13, 1922. Serial No. 568,009. 5 Claims. (Cl. 30—12.)



1. A safety razor comprising a head having its body curved to provide an upper convex blade-flexing surface and provided with a portion thereof along one edge upset in approximately semi-cylindrical form to constitute a guard, the head having a slot between its said surface and the guard, and having a flange along the opposite side of its said surface, and a handle pivoted to the flange to swing toward either side into parallel relation with the head, the pivot of said handle having a blade engaging cam adjacent to the inner surface of the flange, as described.

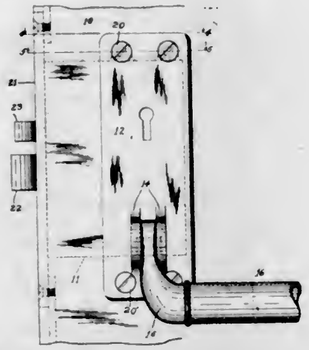
1,500,166. VALVE-OPERATING MECHANISM. CORNELIUS W. VAN RANST, Detroit, Mich. Filed Aug. 7, 1923. Serial No. 656,194. 3 Claims. (Cl. 123—55.)

1. In an internal combustion engine, the combination with a cam shaft and an inlet valve on each side thereof, of a pair of coaxially mounted rockers engaging the respective valves, and separate cams on said cam shaft



engaging the respective rockers, said cams having different contours such as to impart the same opening and closing movement to the opposite valves.

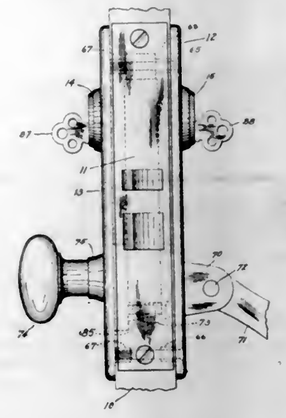
1,500,167. LOCK. HENRY G. VOIGHT, New Britain, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed July 3, 1918. Serial No. 243,126. 23 Claims. (Cl. 70—29.)



1. In combination with an emergency exit lock, an escutcheon having lugs upon the outer face thereof having an emergency actuating lever pivotally mounted between said lugs, and means for securing said escutcheon to said lock, whereby said emergency lever is properly positioned relative to said lock.

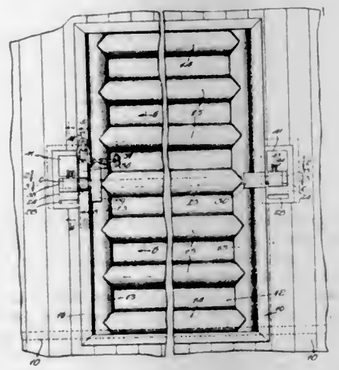
1,500,168. LOCK. HENRY G. VOIGHT, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 18, 1919. Serial No. 283,342. 33 Claims. (Cl. 70—46.)

1. In combination with a mortise lock having a latch bolt, an escutcheon plate separate from said lock, a latch operating slide operatively mounted upon said escutcheon plate and constructed and arranged to retract said latch bolt, and manually rotatable means for operating said slide.



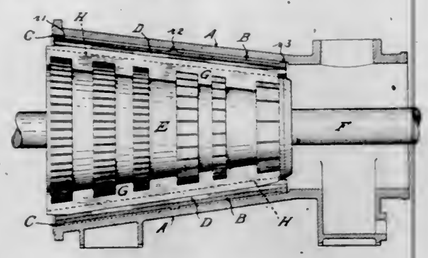
33. A lock comprising a case, a latch bolt reciprocably mounted therein, means for retracting said bolt, a dogging slide for preventing the operation of said retracting means, means for moving said dogging slide, including a key operated member, a dog for said latch bolt, a dog controlling plunger, and a member operable to retract both said plunger and said latch bolt, said member being actuated in turn by said key operated member independently of the actuation of said dogging slide thereby.

1,500,169. DOOR-LOCKING MECHANISM. CHARLES I. WALKER, Los Angeles, Calif. Filed Sept. 29, 1921. Serial No. 504,190. 17 Claims. (Cl. 292—218.)



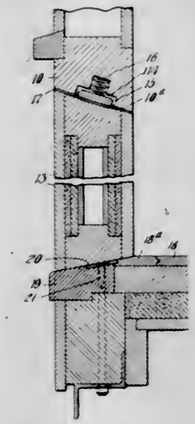
1. In a door locking mechanism, the combination with a member having a slidable door opening in a wall thereof and a slidable door movable to a position to close said opening; of a housing secured to said wall adjacent an edge of the door when in closed position, said housing having a locking shoulder thereon; a shaft rotatably mounted on said door and having one end thereof projecting beyond the edge of said door; a shouldered element on said projecting end of the shaft co-operable with the housing shoulder when the shaft is rotated to locking position; means on said housing co-acting with said element to prevent sliding movement of said door; and means for rotating said shaft.

1,500,170. PAPER-MAKING MACHINERY. WALTER WERNER, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y., a Corporation of New York. Filed Sept. 13, 1923. Serial No. 662,402. 2 Claims. (Cl. 92—27.)



1. In a Jordan engine, a conical liner the small end thereof adapted to seat against the engine shell the large end thereof wedged into and held concentric in said shell by a ring of wedge-shaped cross section driven between said shell and said liner.

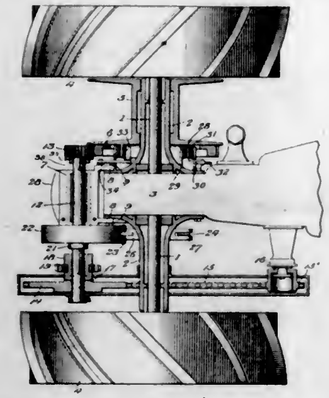
1,500,171. REFRIGERATOR-CAR CONSTRUCTION. LEWIS S. WEST, Rochester, N. Y. Filed July 19, 1922. Serial No. 576,055. 2 Claims. (Cl. 20—21.)



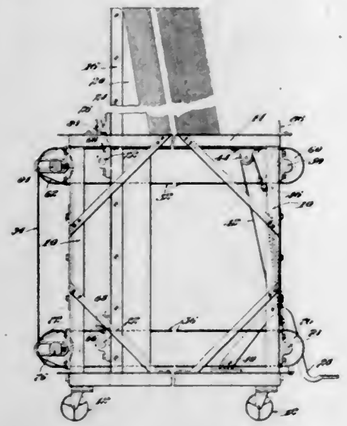
1. In a refrigerator car having a door opening defined by lintel, jambs and wooden threshold, the combination with a door adapted to close said opening; of heat insulating packing located between said door and the adjacent portion of the car defining the door opening; and a threshold metallic wear plate inserted in said wooden threshold, said plate being of lesser width than the thickness of said door, whereby, at least one edge of said plate which extends parallel with the door when the latter is in closed position, is disposed intermediate the inner and outer planes of the door to thereby prevent transference of heat from one side of the door to the other side.

1,500,172. POWER-DELIVERING ATTACHMENT FOR MOTOR VEHICLES. HENRY H. WHITE, Muskogee, Okla. Filed Nov. 9, 1922. Serial No. 599,835. 11 Claims. (Cl. 254—166.)

1. A power delivering attachment for a motor vehicle having a motor, propelling wheels, transmission-gearing including differential gearing and axle housings, a winding drum rotatably journaled on one of said axle-housings, an auxiliary drive-shaft carried by said housings and geared to said winding drum, means for driving said auxiliary shaft independently of the motor vehicle driving mechanism, and means for connecting and disconnecting the auxiliary shaft from the independent driving means.



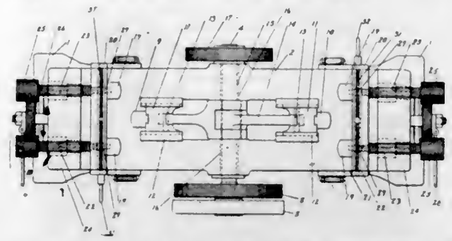
1,500,173. TRUCK. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 30, 1920. Serial No. 400,230. 12 Claims. (Cl. 214—83.)



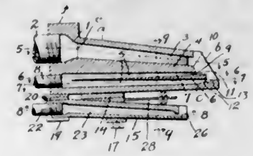
1. A wheeled truck comprising a horizontal support presenting a plane surface without edge obstructions at the forward end at least for material to be transported, a horizontally movable carriage for supporting sheet material on edge and feeding it across said support into position to be slid sidewise off the support at its forward end, and a stop at each end of said support for limiting the movement of the carriage thereon.

1,500,174. BAR-STRAIGHTENING MACHINE. GEORGE A. WISE, Pittsburgh, Pa., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 12, 1922. Serial No. 581,497. 4 Claims. (Cl. 153—48.)

1. In a machine for straightening metallic bars the combination of pressure heads arranged to act upon bars at both ends of the machine, unitary means for actuating all the pressure heads of the machine, a backing block at each end of the machine and adjustable longitudinally thereof, and a pair of buffer heads for supporting bars being acted upon mounted in each backing block and adjustable toward and away from each other therein independently of the longitudinal adjustment of the backing block in which they are mounted.

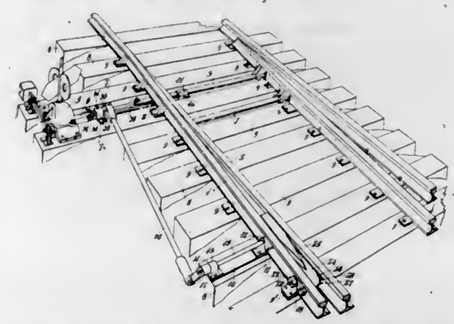


1,500,175. CRUDE-OIL BURNER. STEFAN AMZLER, Ogden, Utah, assignor of one-fourth to William C. Sumner, Ogden, Utah. Filed Mar. 24, 1922. Serial No. 546,458. 5 Claims. (Cl. 158—78.)



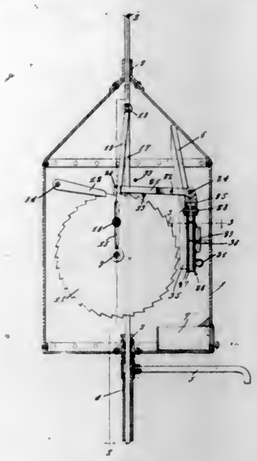
1. A crude oil burner, consisting of a member cast in one piece, rectangular in cross-section, with sidewalls at right angles to the floor, diverging right and left from head to delivery, provided with a hood and converging top, from the vertical shoulder of the hood to a point where the sidewalls are beveled downward and meet with the projecting floor, having a passage for liquid fuel and a passage for steam under pressure, each passage provided with a nipple to connect with supply pipe, said passages separated from each other by a main horizontal transverse partition, and again subdivided by horizontal and vertical partitions, provided with passages and exit openings, projecting shelves, sidewalls and floor.

1,500,176. SWITCH-RAIL GUARD. FRANK C. ANDERSON, Cincinnati, Ohio. Filed Aug. 4, 1923. Serial No. 655,715. 19 Claims. (Cl. 238—380.)



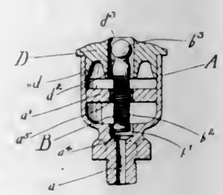
1. An elongated tapered guard element to occupy the space between diverging rails of a switch, one of said rails being movable, and means articulately connected to said movable rail to hold said element with the top of one end part substantially in the plane of the tops of said rails or to move said element until said top is a substantial distance below said rail tops.

1,500,177. AUTOMATIC LIQUID PUMP. WILLIAM S. AUSHERMAN, Talmage, Kans. Filed June 1, 1923. Serial No. 642,846. 2 Claims. (Cl. 194—29.)



1. In a device of the class described a coin receptacle comprising separable parts, a movable detent carrying the receptacle, a rotary member including a projection engaging the detent to hold the rotary member against rotation, the detent being movable out of engagement with the projection under the weight of a coin in the receptacle, and the projection being so located as to separate the parts of the receptacle and to permit a discharge of the coin in the receptacle and to permit a return of the detent into engagement with the projection.

1,500,178. BUBBLER HEAD FOR DRINKING FOUNTAINS. THOMAS E. BART, Cincinnati, Ohio, assignor to The Murdoch Manufacturing and Supply Company, a Corporation of Ohio. Filed June 22, 1920. Serial No. 390,849. 3 Claims. (Cl. 299—16.)

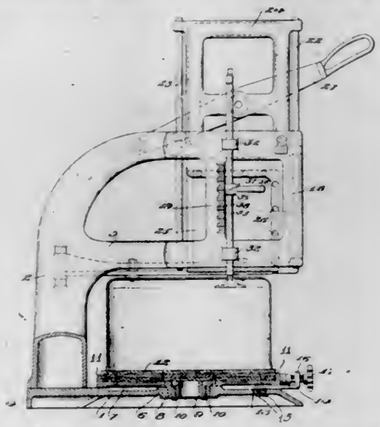


1. In a bubbler head the combination of a cup having an entrance port, a valve stem having an end adapted to regulate the size of the entrance port and at its other end a globular head, a cap closing the cup and having a central opening surrounded by a flange whereby an elongated passage way is formed through the cap within which way the globular head of the stem is disposed, thereby forming a guarded exit port for the water.

1,500,179. CHEESE CUTTER. WILLIAM BILODEAU, Montreal, Quebec, Canada. Filed Feb. 17, 1923. Serial No. 619,617. 3 Claims. (Cl. 31—19.)

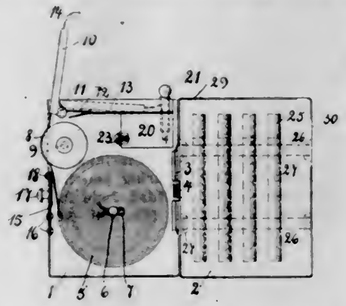
1. In a cheese cutter, comprising a supporting base, a supporting bracket, a vertically moving knife carried by said supporting bracket, means for moving said knife into engagement with a cake of cheese on said supporting base, a sectional cover over the cheese cake provided with arms pivotally connected to the said supporting

bracket, a rod slidably supported by said bracket and arm, a clamp carried by one end of said rod, and means loosely



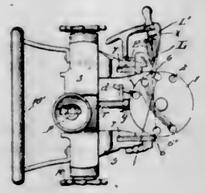
mounted on said rod for engagement with rack teeth carried by said bracket and supporting arm for holding a cake of cheese.

1,500,180. POCKET LAMP FOR HIGH LIGHT POWER. WILHELM BOEHM, Berlin, Germany. Filed Mar. 23, 1922. Serial No. 546,207. 5 Claims. (Cl. 67—7.)



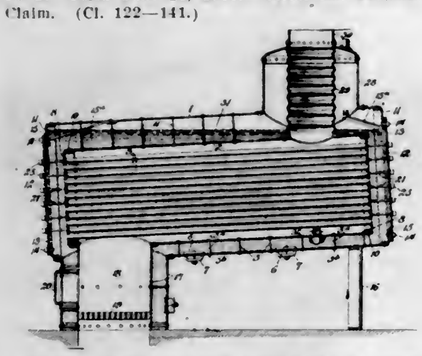
1. A pocket lamp, comprising in combination, a case, a strip of illuminating material arranged within said case, and a discharge nozzle for said strip of illuminating material and arranged on said case, said discharge nozzle being adapted to be folded inside said case.

1,500,181. ARMATURE AND COIL WINDING MACHINE. PENROSE E. CHAPMAN, St. Louis, Mo. Filed Dec. 14, 1914. Serial No. 877,167. 38 Claims. (Cl. 242—13.)



1. In an armature winding machine the combination of means for winding an armature with wire directing guides that act principally against head forming portions of said wire.

1,500,182. STEAM BOILER. GEORGE COOK, Buffalo, N. Y. Filed June 24, 1918. Serial No. 241,591. 1 Claim. (Cl. 122—141.)



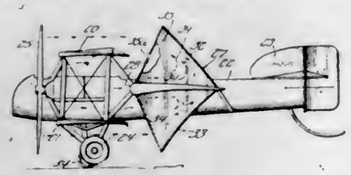
In a steam boiler, in combination, a pair of concentric shells, a water firebox adjacent one end of said shells, a plurality of water tubes connected to the end walls of the inner shell, said shells and water tubes being inclined upwardly from the firebox end, a steam dome connected to and projecting upwardly from the uppermost end of the outer shell, a flue passing through the steam dome and communicating with the inner shell, and means for maintaining said shells in spaced relation.

1,500,183. GOLF-PRACTICE DEVICE. DAVID DEWAR DALL, Toronto, Ontario, Canada. Filed May 31, 1923. Serial No. 642,716. 2 Claims. (Cl. 265—21.)



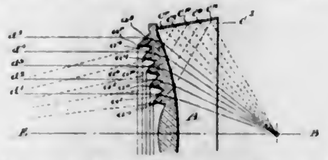
1. In a device of the class described, a case, friction pads affixed to its bottom, a graduated ratch slidable in said case, a tension spring secured to said ratch and to said case, a spring-pressed click disposed in the case and engaging the ratch teeth to retain the ratch in an extended position, means cooperating with the gradation upon the ratch to indicate its extended position, a tether, a golf ball, said tether being secured to the ratch and golf ball.

1,500,184. BRAKE FOR AIRCRAFT. ROBERT ELLSDORF, Chicago, Ill. Filed Sept. 10, 1920. Serial No. 409,460. 13 Claims. (Cl. 244—29.)



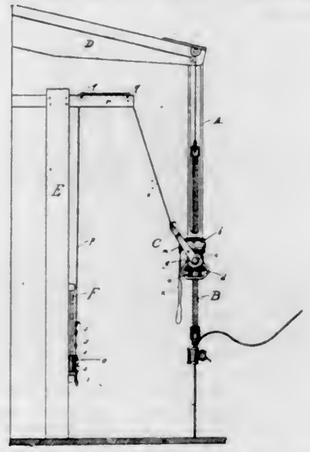
1. In an aircraft, the combination with the propeller thereof of a pair of deflectors carried by the aircraft, and located in the propeller slip stream, said deflectors being normally disposed edgewise to the propeller axis, but being capable of movement to positions such that they are inclined relatively to the propeller axis and constitute a substantially V-shaped box closed at its apex and disposed with the open side thereof facing the propeller so that the slip stream is diverted along lines such that the deflected air opposes forward movement of the aircraft.

1,500,185. MEANS FOR INCREASING THE ILLUMINATING POWER FOR CORRUGATED LENSES. HENRY PHELPS GAGE, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Original application filed Oct. 29, 1920, Serial No. 420,412. Divided and this application filed Feb. 25, 1922. Serial No. 539,099. 3 Claims. (Cl. 240—106.)



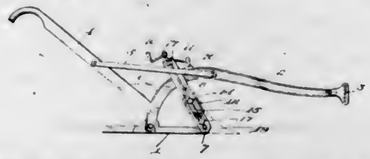
1. In an optical system, the combination of a corrugated lens having steps and risers, a light source, and a conoidal mirror positioned between the lens and light source, the parts being so arranged that rays falling on the lens directly from the light source pass through the lens substantially parallel with the faces of the adjacent risers and are refracted by the steps in a substantially parallel bundle, and that rays falling on the lens after reflection by the mirror pass through the lens substantially parallel with the adjacent steps and are projected by the risers in a converging beam.

1,500,186. FEEDING MECHANISM FOR OIL DRILLING. JAMES D. GIBBS, Louisville, Ky. Filed Apr. 2, 1921. Serial No. 458,150. 8 Claims. (Cl. 255—15.)



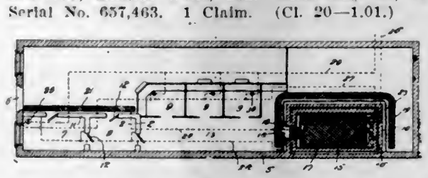
1. In a well drilling apparatus a walking beam, a pendant supported thereby, a nut carried by said pendant, a drill supporting screw engaging said nut, a swing lever articulated on the pendant and having operating connections for rotating said nut, and flexible means connecting said swing lever with a fixed support.

1,500,187. PLOW. CHARLES GLUECK, Gainesmoore, Tex., assignor of one-half to R. E. Vineyard, Wharton, Tex. Filed Feb. 25, 1922. Serial No. 539,135. 2 Claims. (Cl. 97—197.)



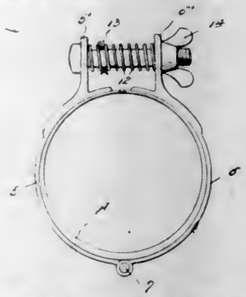
1. A plow including a pivotally mounted standard, means for securing the standard in adjusted angular position, a block mounted for sliding movement in said standard, a rotatable shaft carried by said standard and screw-threadedly engaging said block, means for rotating said shaft whereby the block is raised or lowered, and means for mounting a plow share on said block.

1,500,188. ROBBER EXTERMINATOR. SAMUEL D. GOSWICK, Mineral Wells, Tex. Filed Aug. 14, 1923. Serial No. 657,463. 1 Claim. (Cl. 20—1.01.)



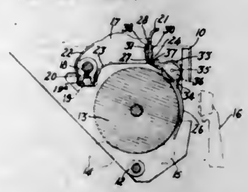
In combination with an enclosure having a hand rail and provided with a metallic threshold plate, said hand rail being a conductor of electricity, a transformer having its secondary respectively connected at opposite sides with the hand rail and threshold plate, a primary circuit including the primary of said transformer, and manually controlled switches within the enclosure for closing the primary circuit of the transformer at any desired one of a plurality of points within the enclosure.

1,500,189. PISTON-RING COMPRESSOR. FREDERICK W. GRAF, Houston, Tex. Filed June 22, 1923. Serial No. 647,134. 2 Claims. (Cl. 29—86.4.)



1. A piston ring compressor comprising a pair of semi-circular half sections hingedly joined together at one end, said sections being provided at their free end portions and spaced from the end edges thereof with outstanding fingers, a traction bolt passing transversely through the fingers and bridging the space between them and the end edges of the sections, and a spring mounted upon the bolt and bearing at its ends against the inner faces of the fingers.

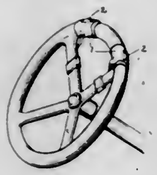
1,500,190. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1922. Serial No. 544,168. 5 Claims. (Cl. 199—139.)



1. In a typewriting machine, a revoluble platen, a relatively stiff sheet-metal finger for guiding the paper around the platen, a relatively resilient sheet-metal plate,

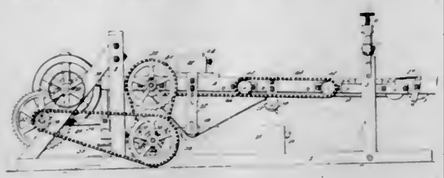
a paper-holding roll carried by said plate for yieldable engagement with the platen independently of the finger, and a bracket on which the finger and roll-holding plate are held, the plate on top of the finger, with the roll engageable with the platen through an opening in the finger.

1,500,191. SIGNALING SYSTEM. ROBERT P. HERBERT, Rochester, N. Y. Filed Aug. 22, 1922. Serial No. 583,507. 2 Claims. (Cl. 74—33.)



1. In a switch for an automobile signaling device the combination of a casing adapted to fit the closed hand, means adapted to clamp said casing to the rim of a steering wheel, a switch operating member mounted within said casing and projecting out therefrom to form an irregular outline at a predetermined point on the outside of said casing so that by closing the hand to simultaneously grip the rim of the steering wheel and said casing prior to and during the turning of the steering wheel said switch operating member is automatically operated and kept in operative position.

1,500,192. CONCENTRATOR. ALBERT H. HOLLENBECK, Fair View, N. Mex., assignor of one-half to F. E. Vassar, Los Angeles, Calif. Filed Mar. 6, 1922. Serial No. 541,394. 3 Claims. (Cl. 83—83.)



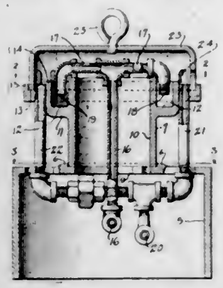
1. A concentrator of the class described comprising a table, a belt carried thereby, means for reciprocating the table and for moving the belt, means for tilting the belt transversely and alternately in opposite directions as it travels along, such means consisting of supporting rollers having projections on the end portions.

1,500,193. LUBRICATING COMPOUND. ROBERT H. HUTCHINSON, Dallas, Tex. Filed Feb. 21, 1922. Serial No. 538,342. 1 Claim. (Cl. 87—9.)

A compound for softening brake bands of motor vehicles, consisting of cylinder oil, castor bean oil, and castor machine oil, to which is added paraffine and neat's-foot oil, and alcohol as a solvent of the paraffine and castor bean oil, to allow them to mix with the other ingredients when the compound is heated.

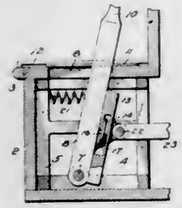
1,500,194. OIL BURNER. CHARLES A. JAPHET, Seneca, Kans. Filed Dec. 6, 1923. Serial No. 678,923. 2 Claims. (Cl. 158—91.)

2. In an oil burning device, the combination of a hollow substantially cylindrical burner member having an integral outwardly and upwardly extending flange forming a pair of concentric circular channels, the inner channel being deeper than the outer channel, a base for supporting said burner member and providing means for admitting air to the base of the burner, an oil supply pipe extending through the base upwardly through the burner member and having outlets overhanging the inner channel, a water supply pipe having outlets extending upwardly through the bottom of the outer channel,



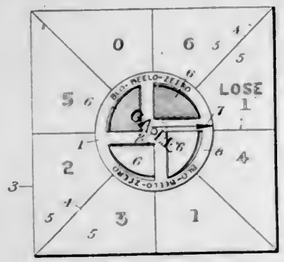
and a cap adapted to rest on said flange and enclose the oil and water channels and having a series of openings in its base for the emission of the flames and products of combustion.

1,500,195. COIN-CONTROLLED MECHANISM FOR DISPENSING APPARATUS. WILLIAM R. LOVE, Armour, N. C. Original application filed Oct. 28, 1919. Serial No. 334,010. Divided and this application filed Mar. 1, 1920. Serial No. 362,246. 11 Claims. (Cl. 194—85.)



2. In a coin-controlled mechanism for dispensing apparatus a manipulating lever accessible to a customer, an other lever mounted to move about the same axis as the first lever and provided with a coin passage therethrough in a plane transverse to the plane of the movement of the levers, coin engaging means carried by the manipulating lever and transversely entering the slot in the second lever to receive a coin traversing said slot, whereby said levers are positively locked together, and connections from the second lever to dispensing parts to be actuated.

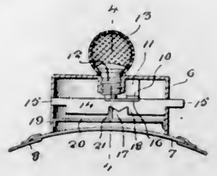
1,500,196. GAME INDICATOR. CHESTER MCKAY, Glen Brook, Conn. Filed June 3, 1921, Serial No. 474,660. Renewed Dec. 31, 1923. 4 Claims. (Cl. 46—56.)



1. In a game-indicator, the combination with a base plate having radially arranged indicia thereon, of an indicator disk centrally swiveled on said base plate and

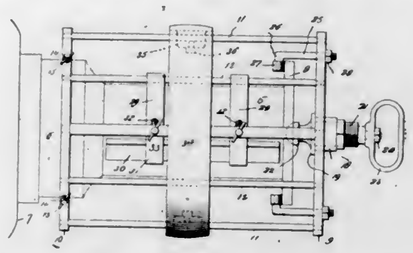
having upwardly inclined wings mounted thereon, whereby said disk may be rotated by a current of air, and a pointer on the upper surface of said disk, said disk having a continuous annular marginal portion for the purpose specified.

1,500,197. LAMP. FRANK C. MONROE, Enderlin, N. Dak. Filed Aug. 9, 1920. Serial No. 402,156. 1 Claim. (Cl. 200—60.)



A device of the character described comprising a casing having openings therein at diametrically opposite points, a bar arranged in the casing and capable of longitudinal movement therein and having its ends reduced and slidably disposed in the openings, the under face of the bar being provided with an M-shaped recess, a horizontally arranged bracket extending transversely of the casing and arranged below the bar, an upstanding resilient finger carried by the bracket and arranged in the M-shaped recess, a fixed contact arranged in the casing and adapted to be connected with a source of electrical energy, and a contact plate carried by the bar and adapted to engage the fixed contact, a resilient finger serving to normally urge the bar to a position where the contacts will be engaged, and to lock said bar in such position.

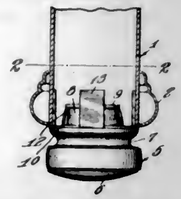
1,500,198. CAR-JOURNAL-POLISHING DEVICE. EDWARD C. MORRISON, Fayetteville, N. Y. Filed Oct. 8, 1923. Serial No. 667,339. 1 Claim. (Cl. 51—241.)



A portable car journal polishing device comprising a pair of end frame members rigidly connected in parallel spaced relation by means of longitudinal frame bars, means to center the inner end of the car journal within one of said end frame members, a center screw engageable in the center socket in the outer end of the car journal for centering the outer end of said journal within the outer end of the frame, a ring pulley mounted upon certain of said rods for facilitating application of rotation to said frame, longitudinal polishing elements disposed inwardly of the longitudinal frame bar, tangential resilient arms carried by others of said bars and having their free ends urging the polishing strip toward the journals, and means to adjust the tension of said spring arms toward the journal.

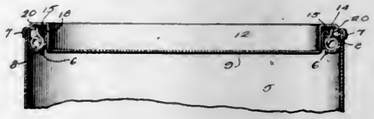
1,500,199. GLASS CASTER. CHARLES G. OVERMYER, Hartford City, Ind. Filed July 9, 1923. Serial No. 650,411. 3 Claims. (Cl. 16—39.)

2. In a device of the class described, a caster comprising a body and a stem, said stem having an annular flange at its outer end, an attachment for connecting a caster to a hollow leg including a plate supported on said body and having fingers to receive said stem and



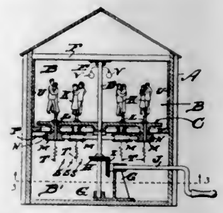
engage under said flange, said attachment also having other fingers to enter and hold the retainer and caster in a hollow furniture leg.

1,500,200. SEALING MEANS FOR RECEPTACLES. JOHN TALLY OVERSTREET, Uvalde, Tex. Filed Sept. 21, 1921, Serial No. 502,231. Renewed Nov. 19, 1923. 4 Claims. (Cl. 220—60.)



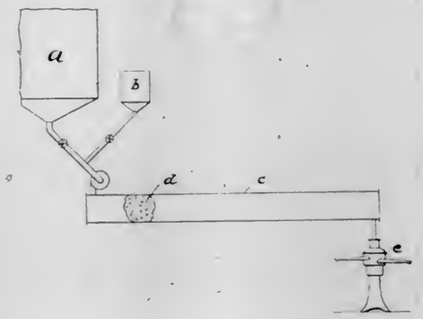
1. A receptacle comprising a body, an annulus secured to the end of the receptacle and having a trough, and a cover provided with sealing prongs received in said trough, the terminal portions of said prongs being curved whereby the prongs are coiled upon insertion into said trough.

1,500,201. TOY. ALEXANDER OZEROWICZ, Romulus, Mich., assignor of one-third to Joseph Antonuitis and one-third to Kazimer Salavejus, both of Detroit, Mich. Filed Apr. 3, 1922. Serial No. 549,289. 1 Claim. (Cl. 46—40.)



In a device of the character described, an inclosed housing divided into upper and lower chambers, the lower chamber providing a sound, chamber, a shaft journaled centrally through both chambers, a disc secured to the vertical shaft and rotatably operable in the upper chamber, a plurality of relatively short vertical shafts journaled in the rotatable disc, dolls mounted upon the upper ends of the vertical shafts above the disc and adapted to turn with said short shafts, a manually operable crank shaft extending through one side of the supporting housing into the same and having geared connection with said first mentioned shaft to rotate the latter, said short shafts each having a pulley on its lower end located below said disc and disposed in the lower chamber, a stationary belt adapted to impinge upon the said pulley, a spring engaging the belt and the housing to maintain the belt in frictional driving contact with the pulley, a plurality of wires suspended from the rotatable disc and extending into the lower chamber, and a plurality of spaced wires mounted in the lower chamber over which the aforesaid wires are dragged as the disc is rotated to produce a musical sound in the lower chamber, and mirrors disposed in the upper chamber.

1,500,202. PROCESS OF PURIFYING MINERAL OIL. EARL PETTY, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 24, 1921. Serial No. 495,080. 1 Claim. (Cl. 196—25.)



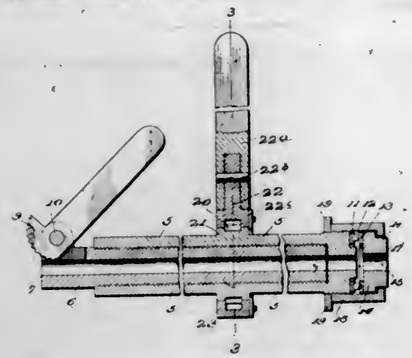
The process of purifying an emulsion of mineral oil and a contaminating liquid, such as water, which comprises establishing a flow of the emulsion, establishing another flow of a treating agent adapted to facilitate the resolution of the emulsion, regulating the volume of the flow of the treating agent so as to continuously admix with the emulsion a substantially smaller proportion of the treating agent than would operate efficiently by mere admixture, forcing the mixture of emulsion and treating agent through a permeable mass of neutral material adapted to effect a wide distribution of the emulsion and more intimate mixture of the treating agent therewith, whereby the emulsion is substantially broken down in the course of its passage through said material and converted into a separable mixture of the constituents of the original emulsion, directing the entire mixture including such of the contaminating liquid as has been precipitated, to a locus of separation, and there subjecting the mixture to centrifugal force to effect a separation of the oil from the contaminating liquid

1,500,203. TRACK FASTENING. CHARLES E. PRICE, Austen, W. Va. Filed June 29, 1923. Serial No. 648,530. 2 Claims. (Cl. 238—60.)



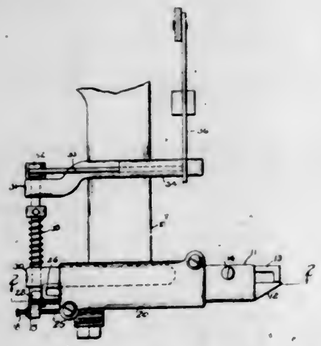
1. In a mine track fastening, the combination of a tie provided at its ends with inwardly extending overhanging rail-engaging flanges and provided at its sides with depending flanges having longitudinally extending slots therethrough at and near its ends, rail-engaging clamps spanning the tie and provided at their ends with depending side plates bearing against the side flanges of the tie and constructed with slots adapted to aline with slots in the side flanges of the tie and provided at their outer edges with overhanging rail-engaging flanges, and securing keys inserted through the alined slots of the tie and the clamps, said keys being provided along one edge with teeth to engage the opposed wall of a slot and prevent withdrawal of the key.

1,500,204. TIE-ROD TIGHTENER AND PULLER FOR CONCRETE FORMS. ANTHONY HENRY RICHARD, Alexandria, La. Filed July 19, 1921. Serial No. 485,902. 2 Claims. (Cl. 254—29.)



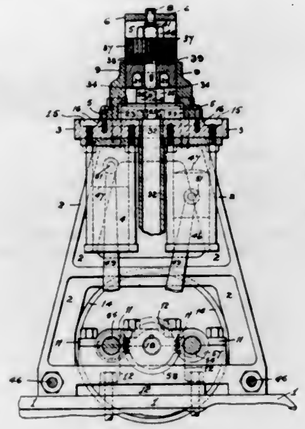
1. A tool as herein set forth comprising inner and outer cylindrical members, the outer member internally threaded and inner member externally threaded, and adapted to move longitudinally within the internally threaded outer member, means carried at the rear end of the inner member for releasably locking it to the tie rod, a thrust bearing assembly projecting beyond the front end of the outer member, said assembly member comprising a swivelly mounted nose portion having a smooth central bore, and an annular external shoulder, a threaded collar nut mounted on the front end of the outer cylindrical member and adjustably holding said nose portion at the end of said outer member, a lock nut washer controlling said collar nut, and an antifriction ball race interposed between said nose portion and the front end of the outer cylindrical member.

1,500,205. WEFT-DETECTING MECHANISM. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1922. Serial No. 553,668. 4 Claims. (Cl. 139—284.)



1. In a loom, weft detecting mechanism comprising a stand, a casing slidable in said stand, fixed and movable weft detectors mounted on said casing and projecting rearwardly therefrom, an adjustable rearward stop for said movable detector, a yieldingly mounted member connected to indicate substantial weft exhaustion, and a rod slidable in said casing, and disposed between said member and said movable detector, said rod having a laterally projecting portion affording an enlarged bearing surface engaging said member and also preventing angular displacement of said rod.

1,500,206. STEAM, HYDRAULIC, AND OTHER FLUID-PRESSURE ENGINE. JAMES EDWARD SCHUMACHER, York, England. Filed July 9, 1923. Serial No. 650,422. 2 Claims. (Cl. 121—182.)

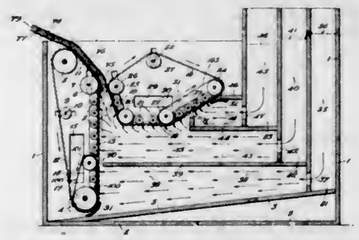


1. Mechanism for controlling the admission and exhaust of a fluid pressure engine comprising a casing, a rotary valve in said casing having a stem extending outward through the casing and provided with an abutment, a piston loosely mounted on the valve stem between the valve and the abutment, means for introducing operative fluid into the casing to act on the opposed faces of the piston and valve, and means for rotating the valve.

1,500,207. FIBER BOARD HAVING ORNAMENTAL SURFACES. JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Mar. 26, 1920, Serial No. 368,992. Renewed Jan. 9, 1923. 4 Claims. (Cl. 154—28.)

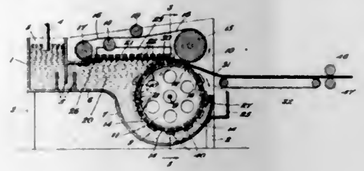
1. A fiber board composed of a body portion of one kind of fiber interlaced with another kind of fiber covering said body portion; and a surface portion covered with a hard stone like composition having an ornamental surface, substantially as described.

1,500,208. PROCESS OF AND APPARATUS FOR MAKING FIBER BOARDS JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Apr. 6, 1920, Serial No. 371,568. Renewed Jan. 9, 1923. 11 Claims. (Cl. 92—39.)



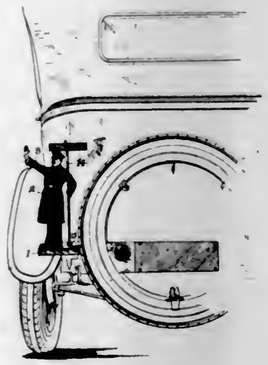
1. The process of interlacing fibers on an endless revolving screen having meshes too large to efficiently stop said fibers, which consists in causing said fibers to assume more or less parallel positions in a direction transverse to the path of movement of said screen; causing some of said fibers to be interlaced and massed at each revolution of said screen, on a portion only of the latter; and then causing the moving interlaced mass of fibers to stop and interlace with other fibers to form the desired product, substantially as described.

1,500,209. FELTING AND RECESSING MACHINE. JOHN K. SHAW, Minneapolis, Minn. Filed Oct. 23, 1920, Serial No. 419,047. Renewed Jan. 20, 1923. 7 Claims. (Cl. 92—39.)



1. In a felting machine for making wall boards, the combination of means comprising a foraminous traveling surface having an undercut projection for producing a fibrous mass with an empty space having a projecting edge torn out of its body portion; and means to press down said edge, substantially as described.

1,500,210. TRAFFIC SIGNAL FOR AUTOMOBILES. BERNARD H. SKELLY, Bridgeport, Conn. Filed Aug. 7, 1923. Serial No. 656,159. 4 Claims. (Cl. 116—46.)

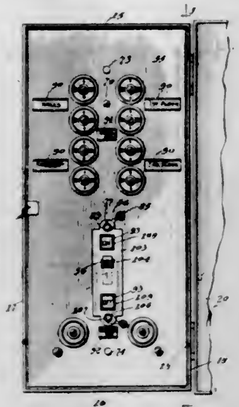


1. An automobile traffic signal, consisting of an effigy of a traffic officer carried on the rear of the automobile and having a signal arm pivoted at the shoulder so as to be capable of upward and outward swinging movements, a rotary notice bearing standard in proximity to said effigy, the other arm of the latter being extended with the hand loosely embracing the standard, and means under the control of the automobile driver and operatively connected with the signal arm and with the standard for rotating the latter to exhibit the proper notice and for simultaneously raising the signal arm.

1,500,211. PANEL BOARD AND PANEL-BOX CONSTRUCTION. HENRY F. STARRETT, Chicago, Ill., assignor to Starrett Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1919. Serial No. 307,189. 12 Claims. (Cl. 247—10.)

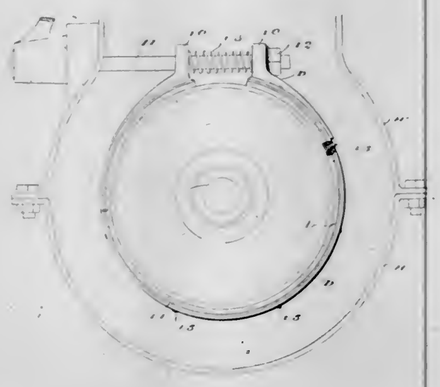
1. In a device of the character described, a panel-box enclosure, a panel-board carrying circuit-controlling apparatus mounted in said enclosure, a dead front shield

removably mounted in said enclosure over said panelboard, said shield being apertured to permit the projec-



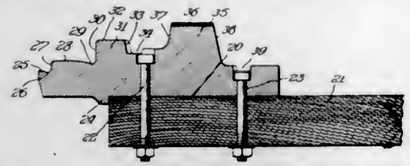
tion of the circuit-controlling portions of said apparatus thereto, and designation means for said apparatus rotatably mounted on said shield.

1,500,212. BRAKE-BAND LINING. ARTHUR WILLARD STATLER, Denver, Colo. Filed Jan. 18, 1922. Serial No. 530,042. 1 Claim. (Cl. 18—249.)



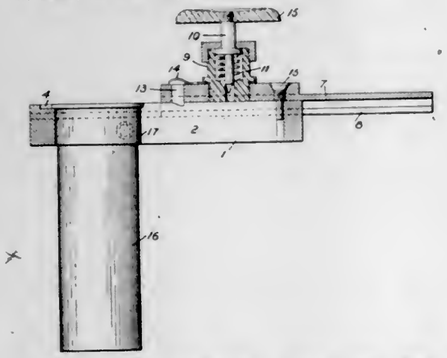
In combination, a brake band, a divided ring removably interfitting the brake band and extending thereabout, a strip of friction material upon the inner periphery of the divided ring, a plurality of brads extending through the divided ring transversely thereof, said brads being provided with inwardly extending means engaging the friction material whereby to secure said friction material to the ring, said brads also having outwardly extending means forming band engaging studs projecting beyond the outer periphery of the split ring, and said brake band having openings therethrough to receive the said studs, the studs and brake band openings cooperating to hold the divided ring and friction strip against lateral and longitudinal movement relative to said brake band without necessitating additional means for this purpose.

1,500,213. ANVIL BLOCK. IRA A. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Nov. 3, 1920. Serial No. 421,478. 6 Claims. (Cl. 78—60.)



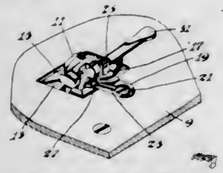
1. As an article of manufacture, an anvil block for use with vehicle wheel rims having a curved surface adapted to conform substantially to the curvature of the inner face of a vehicle wheel rim and a shoulder against which an edge of the rim is adapted to bear when applied to said curved surface, substantially as described.

1,500,214. PROJECTOR. SAMUEL WILEY, Metuchen, N. J. Filed Mar. 7, 1923. Serial No. 623,465. 4 Claims. (Cl. 244—1.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



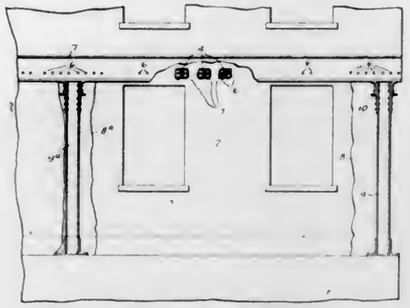
1. A projector, embodying a plate formed with an elongated aperture one end of which provides a rest for a signal device, yielding means for holding a signal in place, a slide on the plate, a housing secured to the slide, a firing pin mounted in the housing and adapted to be brought to position over the primer of a signal, an extractor for extracting the shell of a signal device and means for limiting the movement of the slide.

1,500,215. FRENCH-BINDING-FOLDING MACHINE. SHERMAN WILLIS, Portsmouth, Ohio, assignor, by mesne assignments, to P. R. Glass Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 26, 1921, Serial No. 503,282. Renewed Dec. 8, 1923. 11 Claims. (Cl. 12—55.)



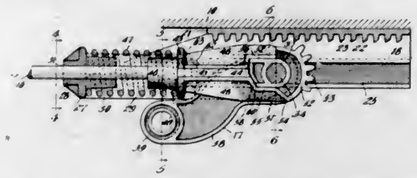
1. A machine for operating upon a piece of work which consists of a piece of sheet material to which a strip of binding is attached having, in combination, a stationary member having a substantially flat surface for supporting the main portion of the work, a member having an upwardly extending surface for engaging the binding, there being at the junction of the two surfaces a groove so located that a portion of the binding engaging member overhangs it, means for holding in the groove the ridge formed by bending the free portion of the binding over the attached portion thereof, and means for feeding the work and for pressing the binding.

1,500,216. MEANS FOR SUPPORTING THE UPPER STORIES OF A BUILDING. FREDERICK ZACHARIAS and EMANUEL MANHEIMER, New York, N. Y. Filed Sept. 29, 1923. Serial No. 665,522. 4 Claims. (Cl. 189—1.)



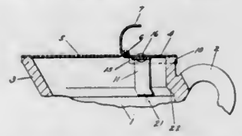
1. The herein described method which comprises installing struts through the wall of a building at the top of a story to be removed and tying parallel beams to the ends of these struts, to form a permanent supporting structure deriving its support from the wall itself for support of the upper stories, and then tearing out a part of the lower wall, substantially as set forth.

1,500,217. BRAKE RIGGING FOR RAILROAD CARS. HARLEY E. ANDERSON, Chicago, Ill., assignor of one-half to William L. Kellogg, Chicago, Ill. Filed Aug. 31, 1922. Serial No. 585,480. 30 Claims. (Cl. 74—119.)



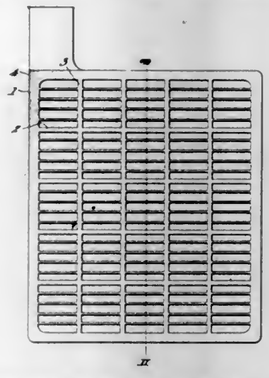
1. In a brake rigging, the combination with a brake chain and a brake rod; of a brake booster interposed therebetween, said booster including a connecting lever between the rod and the chain and moving therewith when a comparatively low tension is upon the parts, and a fulcrum for said lever extraneous of the rod and chain against which the lever is adapted to engage, which lever rotates between the rod and chain upon a comparatively higher tension of the parts.

1,500,218. LIQUID CONTAINER WITH DETACHABLE TOP. CHARLES S. BARON, Tiffin, Ohio. Filed Mar. 11, 1921. Serial No. 451,648. 5 Claims. (Cl. 65—31.)



3. An open mouthed container body provided below its mouth-defining wall with an internal shoulder outwardly flared from said wall and adapted for operative engagement with a latch upon a detachable top for securing said top to the container.

1,500,219. STORAGE-BATTERY GRID. RAYMOND C. BENNER, Bayside, N. Y., assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed May 2, 1922. Serial No. 557,905. 2 Claims. (Cl. 204—29.)

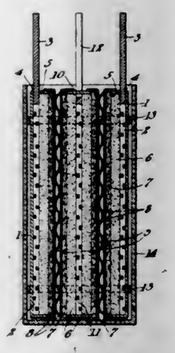


1. A conductive support for the active material of storage batteries coated with a plastic conductive protective layer comprising lead dioxid.

1,500,220. SEPARATOR AND METHOD OF MAKING THE SAME. RAYMOND C. BENNER, Bayside, N. Y., assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed May 2, 1922. Serial No. 557,906. 15 Claims. (Cl. 204—29.)

1. A storage battery separator consisting of a uniformly pervious sheet formed of fibers uniformly free from substances which detrimentally affect the operation of a battery, such sheet having cementitious material incorporated therein bonding said fibers together.

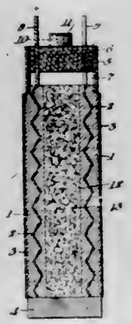
1,500,221. STORAGE CELL OR BATTERY AND ELECTRODE THEREFOR. RAYMOND C. BENNER, Bayside, N. Y., assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed May 3, 1922. Serial No. 558,110. 6 Claims. (Cl. 204—29.)



1. A storage cell comprising a container, active material and electrolyte therein, and an impervious, acid

resistant means preventing exposure of an extended portion of the surface of the active material to the action of the electrolyte, whereby action upon the active material is restricted to the desired area.

1,500,222. STORAGE CELL OR BATTERY. RAYMOND C. BENNER, Bayside, and HARRY F. FRENCH, Flushing, N. Y., assignors, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1922. Serial No. 558,607. 2 Claims. (Cl. 204—29.)



1. A storage cell or battery container comprising a wall formed of plumbic active material having a portion adapted for exposure to electrolyte, and an acid-resistant, impervious substance impregnating the exposed outer surface of said wall and preventing passage of electrolyte therethrough.

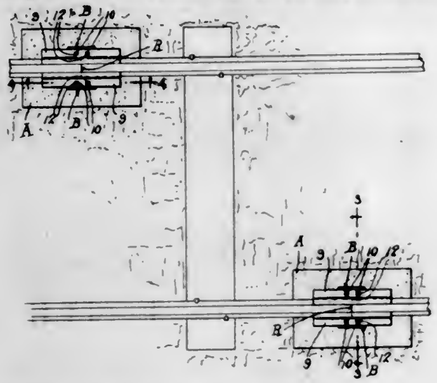
1,500,223. GARTER OR SLEEVE HOLDER. JOHN L. BISHOP, Jackson, Tenn. Filed Jan. 4, 1923. Serial No. 610,649. 3 Claims. (Cl. 241—5.)



1. A garter consisting of an endless band of substantially inelastic material and having a slip knot formed therein and located to leave a closed portion of the band at each side of said slip knot, and means passing through one portion for securing it to the other portion.

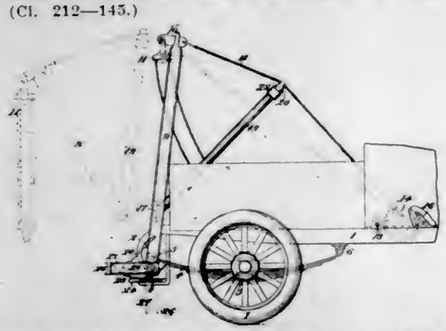
1,500,224. RAIL ANCHOR. CHARLES BLAKE, Pontiac, Ill. Filed Nov. 14, 1923. Serial No. 674,703. 4 Claims. (Cl. 238—315.)

1. A rail anchor of the class described, comprising a pillar having pockets in its upper surface, anchor rods embedded in the pillar with their upper ends projecting into the pockets, clamping bolts loosely engaging the projecting ends of the anchor rods, an apertured base plate



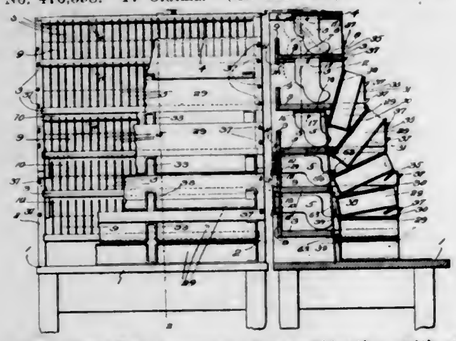
partially covering the pockets, clamping plates in spaced relation over the base plate and a nut on the free end of the clamping bolt.

1,500,225. WRECKING TRUCK AND TOWING APPARATUS. GEORGE D. BORNSCHEIN, San Francisco, Calif. Filed Mar. 27, 1923. Serial No. 627,968. 4 Claims. (Cl. 212—145.)



1. In combination with a vehicle, a boom carried at the rear end thereof, and a guard carried by the frame and associated with the rear end of the vehicle to normally project rearwardly therefrom, said guard adapted for movement to provide a frame rest to support the load carried by the boom.

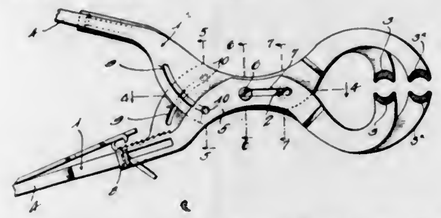
1,500,226. POST-OFFICE FURNITURE. ROBERT T. BOURN, Templeton, Mass. Filed June 10, 1921. Serial No. 476,598. 17 Claims. (Cl. 211—36.)



1. In post-office furniture, the combination with a routing case having shelves divided by partitions into

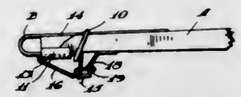
compartments for receiving letter mail, of a plurality of receptacles to receive bulky mail as it is sorted, and means for supporting said receptacles on the routing case in front of the shelves.

1,500,227. SPECULUM AND DILATOR. JOSEPH T. BRENEMAN, El Cerrito, Calif. Filed Nov. 9, 1922. Serial No. 599,867. 1 Claim. (Cl. 128—17.)



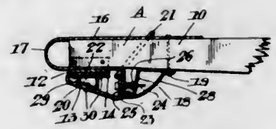
In combination, a pair of levers pivoted together between their ends and having dilating fingers at their front ends, a second pair of levers at the outer sides of said first named levers and connected slidably and pivotally between their ends to said first named levers, the front ends of said second pair of levers having dilating fingers while the rear ends thereof are slidably connected with the handle-forming rear ends of said first named levers, and means for effecting longitudinal movement of said second pair of levers when swung on their pivots, by the other levers, said means being disposed at a point spaced rearwardly from the aforesaid pivot and comprising studs on one pair of levers and oblique cam slots in the other pair of levers receiving said studs.

1,500,228. YOKE-RING LOCK AND REIN GUARD. EDWARD BROUGHAM, Pennant, Saskatchewan, Canada, assignor of one-half to James P. Baker, Henribourg, Saskatchewan, Canada. Filed June 26, 1922. Serial No. 570,961. 2 Claims. (Cl. 278—51.)



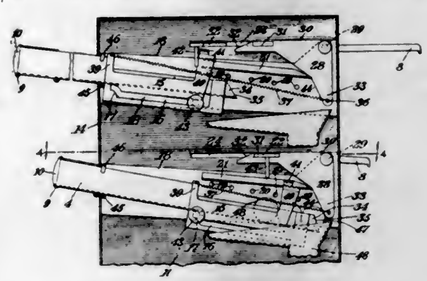
1. A yoke ring lock and rein guard comprising, in combination, a wagon tongue formed with a recess on the underside, an inverted channel member adapted to fit into said recess, a tip for the tongue adapted to engage with said channel member and formed with a double bend adjacent thereto, a wedge member of resilient material bent at one end to fit between the channel member and said tip and adapted at the other end to extend through said double bend and means for securing the wedge in said double bend.

1,500,229. YOKE-RING LOCK AND REIN GUARD. EDWARD BROUGHAM, Pennant, Saskatchewan, Canada, assignor of one-half to James P. Baker, Henribourg, Saskatchewan, Canada. Filed May 19, 1923. Serial No. 640,168. 3 Claims. (Cl. 278—51.)



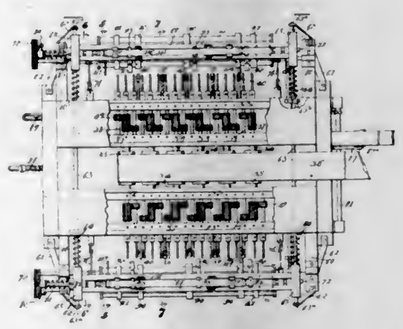
1. A yoke ring lock and rein guard comprising, in combination with the pole of a vehicle, a metallic reinforcing member on the end of the pole, a U-shaped bend formed in the member, and means for connecting said member to the pole comprising a channel member formed with flanged sides secured to the pole and adapted to engage with the metallic member, a resilient wedge-shaped member adapted to detachably engage with the channel member, spring-actuated means connecting the end of the said wedged member with the metallic member, and rein guard means for the metallic member.

1,500,230. COIN-CONTROLLED APPARATUS. JOSEPH N. BURNO, Chicago, Ill., assignor to Budde & Westermann, a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,350. 10 Claims. (Cl. 194—59.)



1. A coin-controlled apparatus comprising a compartment, a door therefor, a sliding member arranged to open and close the door, a toggle lever arrangement for operating the sliding member, means for operating the toggle lever arrangement consisting of a lock for the toggle lever member, a coin receiving member adapted to be partially withdrawn from the apparatus when coins are placed therein and release toggle lever member to open the door.

1,500,231. GANG BORING MACHINE. OSE F. CARPENTER, Brightwood, Va. Filer Nov. 3, 1921. Serial No. 512,543. 17 Claims. (Cl. 144—111.)

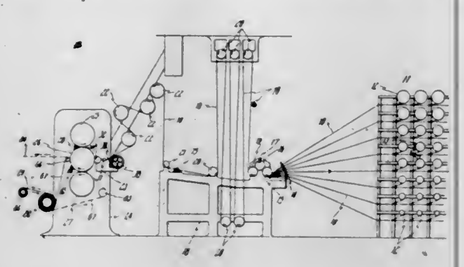


1. In a boring machine which is provided with a plurality of bits that are maintained in alinement, driving means for the bits, a work carrier mounted for rotation and movement toward and away from the bits, and a magazine maintained above the work carrier to be movable therewith.

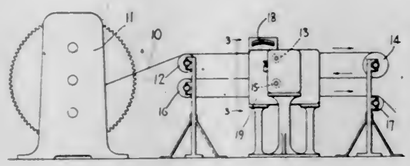
1,500,232. MANUFACTURE OF CORD FABRIC. MARTIN CASTRICUM, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 15, 1922. Serial No. 560,919. 4 Claims. (Cl. 154—1.)

1. In an apparatus for producing weftless cord fabric, a calender adapted to form and support a rubber sheet, a smooth surfaced roll adapted to guide a series of cords

into contact with the rubber sheet, means for moving the roll towards or away from the rubber sheet on the calender, a device positioned to arrange the series of cords in parallel relation on said roll, and means for adjusting the device to vary the spacing of the cords.

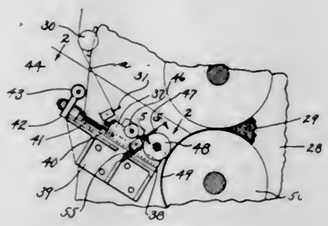


1,500,233. WEIGHING MOVING MATERIAL. MARTIN CASTRICUM, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,751. 5 Claims. (Cl. 265—27.)



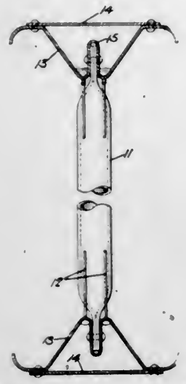
1. A method of weighing a unit area of moving flexible material which comprises passing the material over a support attached to a weighing apparatus with a unit width of the material resting upon the support, and preventing contact of the remaining width of the material with the support.

1,500,234. MANUFACTURE OF WEFTLESS CORD FABRIC. MARTIN CASTRICUM, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 5, 1923. Serial No. 649,413. 10 Claims. (Cl. 154—1.)



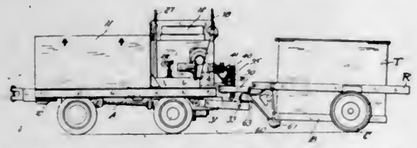
6. An apparatus for guiding parallel cords to a rubber coating calender comprising a roll upon which the cords may be arranged exactly as they are desired for coating and a comb for so arranging them, said comb having the free ends of its teeth extending toward the roll in overlapping relation therewith, all constructed and arranged so that a knot in a cord will ride along the extended ends of the teeth, spread them and drop onto the roll while maintaining its parallel relation with other cords.

1,500,235. AIRPLANE-WING SPAR. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,227. 7 Claims. (Cl. 244—31.)



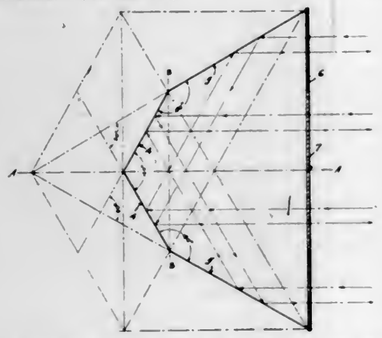
1. An airplane wing spar, comprising upper and lower beams built up from sheet metal, struts spaced at intervals between said beams, and diagonal brace wires between said struts, said beams having salient folds and said wires being secured thereto at said salient folds.

1,500,236. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 24, 1921. Serial No. 455,252. 9 Claims. (Cl. 280—33.1.)



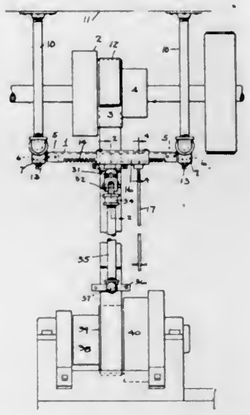
1. The combination of a truck and a trailer, the truck having a pivotally mounted lifting member thereon, a coupling pin actuated by said lifting member, the trailer having a coupling element provided with a downwardly facing cup adapted to fit over the pin, whereby the top of the pin may engage the top of the cup to lift and the side of the pin may engage the side of the cup to pull the trailer while allowing it to turn on the coupling pin as a center.

1,500,237. LIGHT REFLECTOR. ALFRED L. COFFEY, Seattle, Wash. Filed May 5, 1923. Serial No. 636,975. 3 Claims. (Cl. 88—1.)



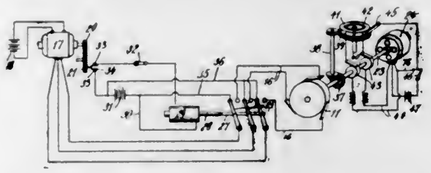
1. A reflector embodying a conical portion having a concave light reflecting surface forming an angle of 60 degrees with respect to its axis and a portion of truncated shape disposed in axial alignment with said conical portion and having reflecting surfaces forming an angle of 30 degrees with respect to said axis and intersecting the reflecting surfaces of said conical portion at an angle of 150 degrees.

1,500,238. BELT-SHIFTING MECHANISM. ROBERT R. CUMMINS and ROBERT W. KREMER, Cleveland, Ohio, assignors to The Kremer-Cummins Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 20, 1919, Serial No. 305,606. Renewed Nov. 22, 1923. 8 Claims. (Cl. 64—4.)



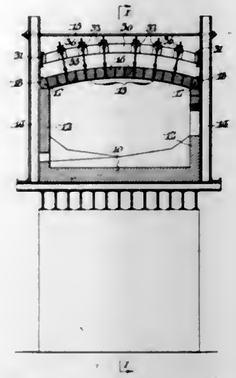
8. In a device of the character described, the combination of a support mounted substantially parallel with the axis of a driving pulley, a carriage movable along said support, a rod mounted on said carriage to move transversely to the movement of said carriage, and a belt-shifting loop mounted on said rod, but in an offset plane, whereby said loop and rod will lie in different vertical planes.

1,500,239. SYNCHRONOUS TRANSMISSION SYSTEM FOR GYROSCOPES, ETC. ARTHUR P. DAVIS, Far Rockaway, N. Y. Filed May 26, 1919. Serial No. 299,871. 14 Claims. (Cl. 177—351.)



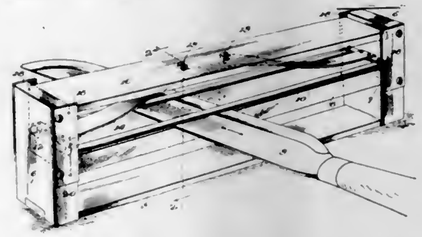
14. A gyroscopic compass system comprising a master compass having a moving element, a transmitter, means for controlling the movement of said transmitter in accordance with the movements of said moving element including means for connecting said transmitter to said moving element and disconnecting it therefrom, a plurality of repeaters each having an actuating motor, circuits connecting said motors with said transmitter, and means including said circuits for bringing the elements of the system into phase comprising means for operating the transmitter independently of the master to actuate the repeaters and for disconnecting the several repeaters from the transmitter as each of them arrives at a selected position, and comprising means for thereafter operating the transmitter independently of the master to bring the transmitter to said selected position.

1,500,240. FURNACE-ROOF CONSTRUCTION. RAYMOND E. GRIFFITH, Philadelphia, Pa. Filed Nov. 3, 1922. Serial No. 598,754. 24 Claims. (Cl. 263—46.)



1. In a metallurgical furnace, a roof structure composed of refractory elements, noncombustible inserts between the refractory elements to permit expansion of the structure by heat with the imposition of minimum strain within the elements, and means supporting the roof structure against internal strains incidental to its own weight.

1,500,241. KNIFE SHARPENER. FRANCIS M. GUM, Stockton, Calif. Filed July 7, 1921. Serial No. 483,001. 1 Claim. (Cl. 51—211.)

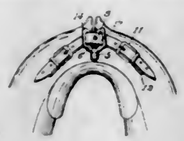


A knife sharpener comprising a base having upstanding ends formed with shoulders on their inner sides, a sharpening stone having its ends mounted upon said shoulders, a pair of spaced parallel rods extending above said stone and being formed from round metal, transversely extending connecting members mounted at the ends of said rods and having grooves for receiving the ends of said parallel rods and retaining same in spaced relation, a top bar supported above said sharpening stone and parallel rods, and a longitudinally curved leaf spring secured intermediate its ends to said top bar and having its free ends engaging said connecting members between the ends of said connecting members and substantially away from said parallel rods for holding said parallel rods in engagement with said sharpening element and adapted to be yieldable angularly with relation thereto.

1,500,242. HORSE-COLLAR PAD. CASPER HUGO GRINGS, Waterloo, Iowa, assignor to Waterloo Saddlery Company, Waterloo, Iowa. Filed July 16, 1923. Serial No. 651,946. 2 Claims. (Cl. 54—19.)

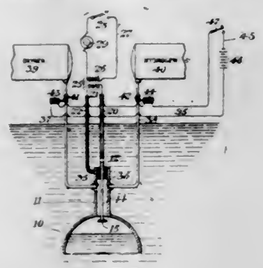
2. A horse-collar pad, comprising a rigid metal liner plate having a pair of hooked projections and an orifice intermediate the projections, a cushioning envelope covering said plate and provided with apertures in line with said projections and said orifice, a headed pin traversing the orifice in the plate and the alined aperture in the

envelope, a member orifice to receive said pin therethrough and having opposite margins engaged by said hooked projections, other margins of said member being bent up-



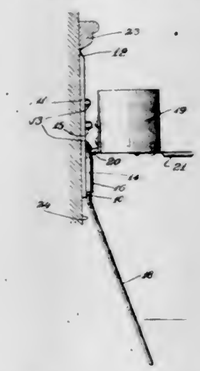
wardly and slotted in line to receive a billet-strap, and a spacing-body mounted on said pin above said member to support the strap medially, the extremity of the pin being inserted in a hole in said strap.

1,500,242. SUBMARINE SOUND TRANSMITTER. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Feb. 20, 1918, Serial No. 218,325. Renewed Nov. 9, 1923. 17 Claims. (Cl. 177—386.)



1. The combination with a hollow submarine device provided with an outlet, of means for continuously supplying the interior of said device with an explosive mixture, and means for exploding said mixture within said device periodically.

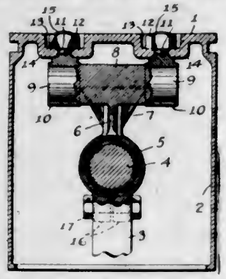
1,500,244. PAINTER'S DEVICE. VICTOR HARTMANN, Long Island City, N. Y. Filed May 25, 1922. Serial No. 563,526. 3 Claims. (Cl. 91—65.)



2. In a new article of manufacture, a shield member having sharp, beveled edges, and handle and container receiving means provided with said shield member.

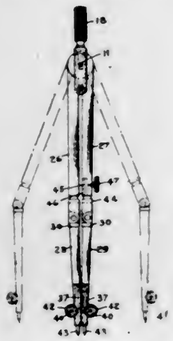
1,500,245. PISTON. HENRI J. HOUPERT, Mamaroneck, N. Y. Filed Feb. 15, 1922. Serial No. 536,647. 2 Claims. (Cl. 74—108.)

1. In an internal combustion engine and in combination with a connecting-rod and a wrist-pin in the end of said connecting-rod, a piston within which said wrist-pin is enclosed, a yoke engaging the ends of the wrist-



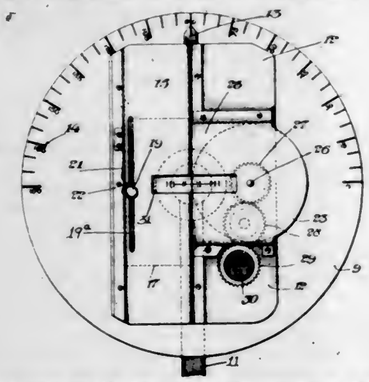
pin and embracing the end of the connecting-rod, and a pivot connecting said yoke with the piston above and at right angles to the wrist-pin.

1,500,246. DRAWING INSTRUMENT. ADOLF W. KEUFFEL, Montclair Township, Essex County, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 26, 1922. Serial No. 556,767. 4 Claims. (Cl. 33—157.)



1. In a drawing instrument the combination of two cylindrical tapered legs having circular shoulders adapted to fit together, pintles projecting from each of said shoulders outwardly, a fork head with two spring arms adapted to snap over said pintles and having recesses on the inside adapted to receive the same, and a screw to fasten the lower end of said fork arms together.

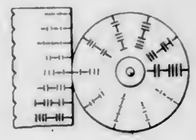
1,500,247. MEANS FOR TESTING VISION. FRANCIS PARK LEWIS, Buffalo, N. Y. Filed Aug. 17, 1922. Serial No. 582,368. 19 Claims. (Cl. 88—20.)



1. Apparatus for testing vision comprising the combination of means for exposing to the eye a symbol or

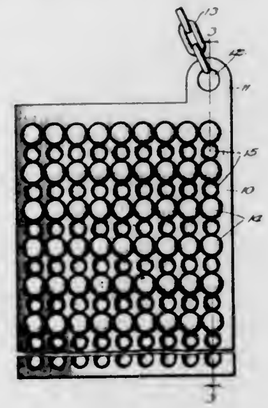
character subtending a predetermined visual angle at a fixed distance from the eye, and means for matching said symbol with a symbol or character subtending a corresponding visual angle.

1,500,248. METHOD FOR TESTING VISION. FRANCIS PARK LEWIS, Buffalo, N. Y. Filed Aug. 17, 1922. Serial No. 582,369. 21 Claims. (Cl. 88—20.)



1. The herein described method of testing vision which consists in exposing to the eye a symbol or character subtending at a fixed distance from the eye a predetermined visual angle, and matching said symbol with a corresponding symbol or character.

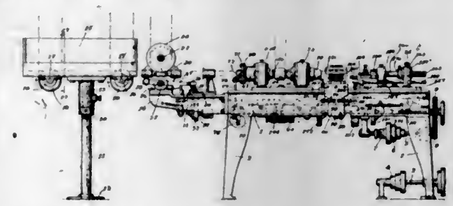
1,500,249. TRACTION GRIP. ARTHUR MCCRACKEN and WILLIAM V. MONROE, Chicago, Ill. Filed Nov. 12, 1918. Serial No. 262,151. 2 Claims. (Cl. 238—14.)



1. A traction grip for insertion under one of the traction wheels of a self-propelled road vehicle, which comprises a suitably stamped sheet metal plate provided with transversely extending rows of depressions forming projections alternately arranged on opposite sides of said plate, said depressions being substantially hemispherical in shape and being formed out of the metal of the plate whereby corresponding substantially hemispherical rounded protuberances are provided on the opposite sides of the plate.

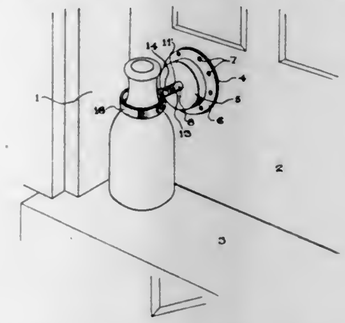
1,500,250. AUTOMATIC WOOD-TURNING LATHE. FRANK H. MCLAIN, Portland, Me., assignor to The McLain Co., Portland, Me., a Corporation of Maine. Filed Feb. 17, 1923. Serial No. 619,596. 6 Claims. (Cl. 144—46.)

1. In a wood-turning lathe, the combination, with a bed; supporting legs; a headstock; a hollow, chuck-carrying spindle mounted in bearings in said headstock and means whereby said spindle may be rotated; with a chuck mounted on the nose of said spindle; of means for intermittently and positively opening the jaws of said chuck; means for intermittently and yieldingly closing the jaws of said chuck; the cooperation of said positive and yielding means automatically providing for



a closure of said jaws on said chuck firmly on to successive dowels, of slightly varying diameters, entering said chuck through said spindle, substantially as described.

1,500,251. ATTACHMENT FOR MILK BOTTLES. FRED MANGNER, Deer Park, Md. Filed Aug. 28, 1922. Serial No. 584,778. 1 Claim. (Cl. 232—42.)



A device for the purpose set forth, comprising a fixed casing, a shaft journaled therein and projecting therethrough, a pivotally supported ring on the outer end of the shaft normally pendent therefrom and susceptible to swinging to longitudinal alignment therewith when swung in one direction only, a ratchet wheel fixed on the shaft in the casing, and a spring pawl in the casing engaging the ratchet wheel.

1,500,252. PISTON RING. LEWIS C. MARSHALL, Walpole, Mass., assignor to Pressure Proof Piston Ring Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 20, 1921. Serial No. 493,794. 10 Claims. (Cl. 74—109.)

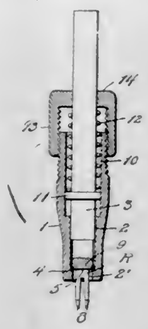


1. A piston ring having an undercut groove disposed centrally of the width of its outer circumferential surface, and a ring loosely fitting within said groove, said ring having a bevelled edge corresponding to the undercut surface of the groove.

1,500,253. RIVET HOLDING AND SETTING TOOL. FRED. A. MILLER, St. Louis, Mo., assignor of one-half to Benjamin E. Tate, St. Louis, Mo. Filed Dec. 14, 1923. Serial No. 680,644. 5 Claims. (Cl. 218—19.)

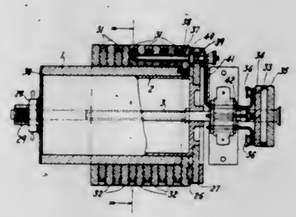
1. A riveting tool comprising a tubular body, a rivet-head seat at one end of said body comprising a recess

adapted to receive the marginal portion of the head of a rivet, and a plunger cooperating with said rivet-head



seat adapted to shear off that portion of the rivet not received in said head seat and set the same.

1,500,254. APPARATUS FOR CONTROLLING THE OPERATION OF TALKING MACHINES OR MACHINES IN TIMED RELATION TO A CINEMATOGRAPHIC MACHINE. FRANK ERNEST MOSLEY, Shettleston, Scotland. Filed Nov. 29, 1920. Serial No. 427,135. 1 Claim. (Cl. 200—24.)



A selector switch comprising, in combination, a rotary shaft, a driving flange on said shaft, said flange having pockets, a drum of insulating material adapted to be removably secured to said flange, a plurality of axially separable conducting rings fixed to said drum and conjointly presenting a continuous surface of rotation, each ring comprising, conducting and insulating segments spaced differentially apart, a return ring coaxial with said conducting rings, conducting pins parallel with the axis of the shaft, said pins electrically connected to the several conducting rings and disposed opposite the pockets in said flange, a set of spring-pressed terminals in said pockets engageable with said pins, said terminals normally protruding beyond the face of said flange, a set of terminals in the return ring, and electrical connections between said sets of terminals.

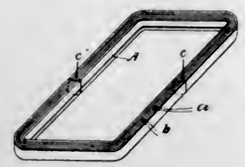
1,500,255. PROCESS FOR THE PRODUCTION OF EFFECT THREADS WITH ANIMAL FIBERS. FERDINAND MÜNZ, Fechenheim-on-the-Main, Germany, assignor to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Apr. 9, 1923. Serial No. 630,969. 1 Claim. (Cl. 8—13.)

A process for the production of effect threads with animal fibers by treating the fiber with esterified tannic acid in combination with metal salts, exerting a fixing effect on tannic acid.

1,500,256. METHOD OF TREATING COAL. THEODORE NAGEL, Brooklyn, N. Y. Filed Aug. 26, 1922. Serial No. 584,396. 3 Claims. (Cl. 44—1.)

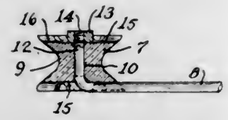
1. The method of agglomerating small coal particles which method consists in bringing into intimate contact with the coal particles a substance formed by converting silicate of soda with water into a hydrated silica to unite the coal particles into lumps.

1,500,257. PICTURE FRAME. WALTER OPEL, Leipzig, Germany, assignor to the Firm Georgi & Co., Leipzig, Germany. Filed Apr. 27, 1923. Serial No. 634,997. 7 Claims. (Cl. 40—154.)



1. A picture frame or the like having the sides thereof formed of continuous successive layers of material, said layers being displaced, to a predetermined extent, to provide a desired profile or design on the front edge of said frame, the rear edge of said frame being of irregular contour because of said displacement.

1,500,258. THREAD GUIDE FOR SPINNING MACHINES. OTHO O'SULLIVAN, Willimantic, Conn. Filed Nov. 24, 1923. Serial No. 676,752. 8 Claims. (Cl. 242—157.)



1. A thread guide, comprising a disc provided with a comparatively deep annular groove for frictionally engaging the thread, the disc having an axial bore, a holder for the disc comprising a rod bent to extend transversely at its end portion and adapted to engage the disc bore, securing means on the free projecting end of the rod bent portion, the disc having a plurality of means for engagement with the stem on one side face, whereby the fastening means will clamp the stem at such portions to hold the disc against turning, and on loosening such securing means the disc can be shifted on the stem for engagement with other said engaging portions and clamped in such adjusted positions by said means, and a thread guide held by said stem retaining means on the opposite face of the disc in adjusted positions, said guide having an arm deflected across the plane of the disc and that of the stem.

1,500,259. THERMOSTAT. ARTHUR J. OTTO, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 18, 1923. Serial No. 646,091. 3 Claims. (Cl. 236—82.)

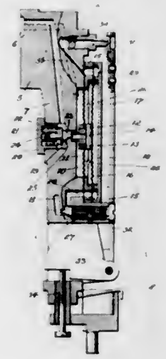
1. In an automatic control device, the combination of independently movable inlet and exhaust valves, a lever mechanism constructed and arranged to balance an opening stress exerted thereby on one of said valves against a closing stress simultaneously exerted thereby on the other of said valves; resilient means arranged to resist movements of the valves under the stresses exerted thereon through said lever mechanism, and to

exert a predominant resistance on one of said valves, whereby said valves are caused to open, one at a time, by the lever mechanism in different positions thereof and both valves are closed in an intermediate position: a diaphragm subject on one side to the pressure con-



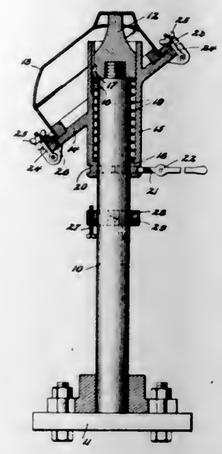
trolled by said valves, and arranged to actuate said lever mechanism; a responsive element arranged to control a fluid pressure acting against the other side of said diaphragm; and means for subjecting a controlled device to the first named pressure.

1,500,260. THERMOSTAT. ARTHUR J. OTTO and CARL A. OTTO, Milwaukee, Wis., assignors to Johnson Service Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 31, 1923. Serial No. 671,936. 2 Claims. (Cl. 236—82.)



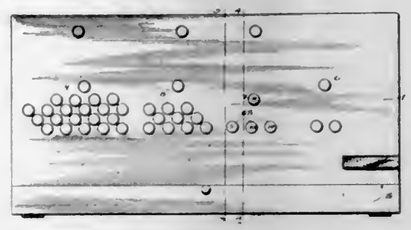
1. A control device comprising in combination a body having a chamber, a pressure fluid inlet port leading thereto, and a port for connecting said chamber with a device to be controlled; a movable wall closing one side of said chamber and formed with an exhaust port leading through said wall to atmosphere; a valve controlling said supply port, spring urged in its closing direction, and arranged to be engaged by said movable wall, and when so engaged to close said exhaust port and upon further inward movement of said wall to open said supply port; a second chamber having a movable wall larger than and in opposed thrust relation with the movable wall of the first chamber; and a valve mechanism responsive to changes in the medium to be controlled and serving to vary the pressure in said second chamber.

1,500,261. SHEET-METAL-SPINNING MACHINE. GEORGE E. PAGE, Rochester, N. Y., assignor to Montour Aluminum Soldering Corporation, Montour Falls, N. Y., a Corporation of New York. Filed Apr. 18, 1921. Serial No. 462,218. 3 Claims. (Cl. 113—52.)



1. A device of the class described for spinning a nose on a cup-shaped sheet metal article at an angle to the axis of the article, comprising in combination, a rotatable mandrel, and a work holding platform inclined to the axis of the mandrel and rotatable therewith but longitudinally movable relatively thereto.

1,500,262. CHANGE-MAKING DEVICE. ANGELO PAPOULIAS, Steubenville, Ohio. Filed May 31, 1923. Serial No. 642,691. 11 Claims. (Cl. 133—2.)

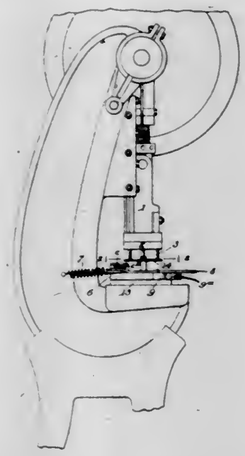


1. In a change making device, a money changing unit including a coin holder, an ejector for said holder, a sliding plunger, a slidable connecting plate between the sliding plunger and the ejector and a key for controlling said slidable connecting plate.

1,500,263. SOLE-PUNCHING MACHINE. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed July 23, 1923. Serial No. 653,269. 12 Claims. (Cl. 164—59.)

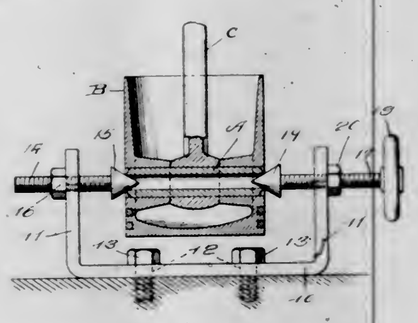
1. In punching apparatus for the purpose described, a die plate having a die opening, and a reciprocating cylin-

drical punch cooperating therewith, said die opening having its upper portion corresponding in diameter and



length to the die, and having a converging portion immediately below said cylindrical portion.

1,500,264. PISTON VISE. GEORGE M. PETERSON, Sturgeon Bay, Wis. Filed May 16, 1923. Serial No. 639,352. 2 Claims. (Cl. 81—3.)

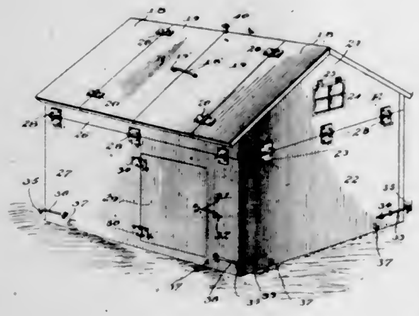


1. A vise of the character described comprising a base having upstanding parallel arms, the arms being internally screw-threaded, an adjustment screw passing through one of said arms and having a conical head, the adjustment screw carrying a nut holding the screw locked in place, and an adjustment screw passing through the other arm and having an enlarged conical head, this screw being provided with a handle whereby it may be rotated, and a set nut on the screw for holding the screw in adjusted position.

1,500,265. METHOD OF EXTRACTING LIQUID FROM POROUS MATERIAL CONTAINING THE SAME. JOSEPH E. PLUMSTEAD, Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa., a Corporation of Massachusetts. Filed Nov. 2, 1922. Serial No. 598,697. 1 Claim. (Cl. 44—1.)

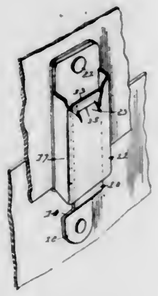
A method of preparing pulverized fuel, which includes the step of subjecting a moist carbon sludge resulting from the reclamation of soda pulp black liquor, to a grinding action, thereby overcoming the cohesion between the carbon masses and carbon particles, and separating each from its neighbor to free mechanically held water, and separating said water from said carbon.

1,500,266. HUT FOR SWINE. JAMES DARREL PRIMM, Sr., Athens, Ill. Filed Apr. 13, 1922. Serial No. 552,117. 2 Claims. (Cl. 20—2.)



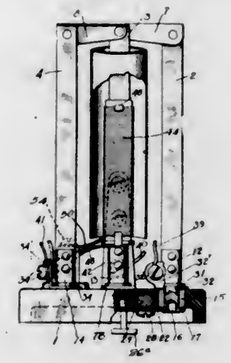
1. In a hut of the character described, a pair of side walls each comprising a single door hinged for upward swinging movement, and a cable for each door adapted to have its ends connected thereto and its middle portion attached to the roof of the hut for holding the door in an upwardly swung position.

1,500,267. BUCKLE. STANLEY K. REDDING, Bluffton, and ORVA V. LANTIS, Markle, Ind. Filed Sept. 7, 1922. Serial No. 586,628. 3 Claims. (Cl. 24—230.)



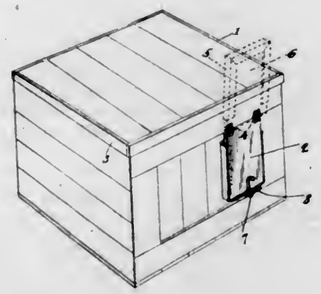
1. A buckle having complemental members of which one is provided with a tongue having a terminal opening and the other is provided with a sleeve for the reception of said tongue and carries a lug for engagement with the opening in said tongue, said sleeve member consisting of a folded blank having a main strip foldable longitudinally to lie in contact with opposite surfaces of an interposed object and a lateral wing for transverse folding with relation to said strip to form the sleeve.

1,500,268. THERMOSTAT DEVICE. JAMES B. REPLOGLE, Detroit, Mich., assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed July 5, 1919. Serial No. 308,744. 17 Claims. (Cl. 297—11.)



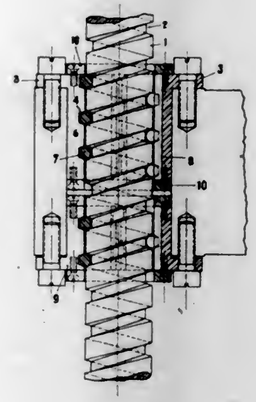
1. A thermostat device comprising a plurality of thermostatic elements whose movements due to environment temperature are compensatory, and which have relative movement on increase in temperature of one of the elements in respect to the other, means for utilizing said relative movement, and means for applying heat to one of said elements to raise its temperature above the environment temperature.

1,500,269. CARD-HOLDING DEVICE. FRANK J. REYNOLDS, Rockville Center, Long Island, N. Y. Filed July 14, 1922. Serial No. 574,914. 1 Claim. (Cl. 40—16.)



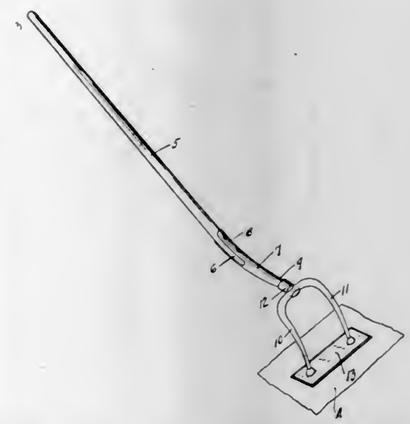
The combination of a shipping case constructed with reinforcing boards along the edges to provide a recess having a reentrant angle in the side of the case, and a base plate hinged at its lower rear side to one of the said boards adjacent said angle so as to occupy a portion of the recess, said base plate carrying a card with its face toward the shipping case and in inverted position.

1,500,270. BALL BEARING FOR SCREW GEARING. FRIEDRICH G. B. RÖDEL, Lutzen, Germany. Filed Dec. 6, 1923. Serial No. 678,839. 5 Claims. (Cl. 74—40.)



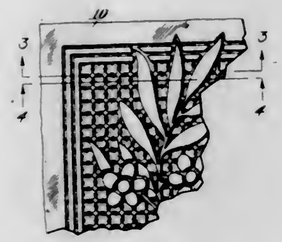
1. In a ball bearing for screw gearing, a threaded shaft, a threaded casing surrounding said shaft, ball bearings received in the threads of said shaft and said casing, and means confining said balls, said means comprising members insertable axially of said shaft.

1,500,271. WEEDER. ARGYLL L. RUMBAUGH, Dillon, Mont. Filed Apr. 6, 1922. Serial No. 550,662. 1 Claim. (Cl. 97—68.)



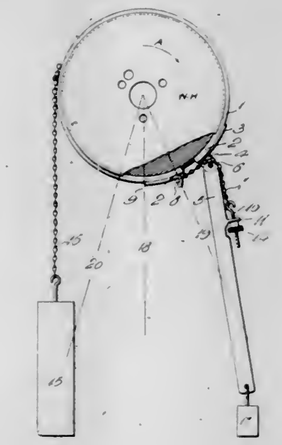
An agricultural implement comprising a handle having one end thereof curved, a substantially U-shaped member carried by the curved end of the handle, and including a pair of spaced arms, said arms being longitudinally curved in the opposite direction to the curvature of the end of the handle and having their extremities beveled, and a single cutting blade secured to the beveled ends of the arms, said arms being positioned at the longitudinal center line of the blade and inwardly of the ends thereof.

1,500,272. METHOD OF ORNAMENTING STONE. ROBERT GREENLEAF SANBORN and FREDERICK HASLAM, Northfield, Vt., assignors to E. A. Chase Granite Company, Northfield, Vt. Filed June 23, 1923. Serial No. 647,404. 4 Claims. (Cl. 41—39.)



1. The method of producing a recessed surface on a block of stone which consists in cutting away a part of the stone by a blast of abrasive, interposing a screen in the path of the abrasive, and thereafter cutting away additional stone with the blast directed through the screen, thereby substantiallily reproducing the formation of the screen on the face of said recessed portion.

1,500,273. LET-OFF. HERMAN J. SATTLER, Sr., Quakertown, Pa. Filed Sept. 22, 1923. Serial No. 664,259. 12 Claims. (Cl. 188—88.)



1. The combination with a warp head; of a friction band surrounding the periphery of said head and having its ends spaced apart, and means controlled by the rotation of said head for causing said ends to approach one another at predetermined intervals, whereby to radially tighten said band around the head to obtain a frictional grip from end to end of the band.

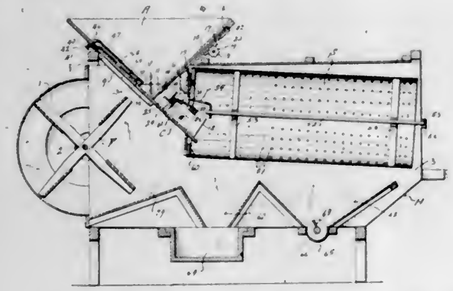
1,500,274. WINDOW CLEANER. NICHOLAS D. SCARLING, Richmond, Va. Filed Aug. 31, 1921. Serial No. 497,271. 1 Claim. (Cl. 15—126.)

A cleaning appliance of the class described comprising a support, a handle therefor, an elongated cap detachably mounted on said support, parallel flanges upstanding from a wall of said cap, a rubber strip clamped between said



flanges and extending beyond the free outer edges thereof, said clamping means passing through said parallel flanges and rubber strip.

1,500,275. FANNING MILL. GOTTFRIED SCHICK, Tampa, Kans. Filed Oct. 29, 1921. Serial No. 511,317. 3 Claims. (Cl. 130—16.)



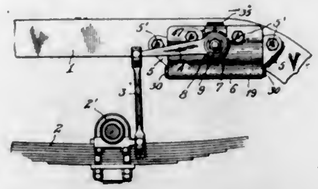
1. In a fanning mill, bearing means carried by the casing, a bar pivoted at one end on the front of the casing and extending entirely thereacross, a shaft journaled in said bearing means and said bar and carrying a sieve, a shaft journaled exteriorly of the casing and having one end carrying a cam engaging said bar for oscillating the same, and means for simultaneously rotating both of said shafts.

1,500,276. COMPOUNDING VEHICLE OR BASE. JOSEPH SCHNEIBLE, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 523,234. 7 Claims. (Cl. 167—9.)

3. A compounding vehicle or base in the form of an unctuous mass containing a neutral soap, water, and free fatty acid finely and uniformly dispersed therethrough, there being 15 to 20% of solids therein, and the proportion of free fatty acid being about one-half that of the neutral soap.

7. The process of preparing a compounding vehicle or base which comprises forming a solution of a neutral soap in water, incorporating a stearic acid therein at a temperature above the melting point of said acid, the proportion of fatty acid being about one-half that of soap and the total solids in the mass being 15 to 20%, slowly cooling the mixture to below the crystallization temperature of the stearic acid, whereby the stearic acid is finely and uniformly dispersed through the mass, and thoroughly intermixing the mass.

1,500,277. SHOCK ABSORBER. HARRY SELKER, Cleveland, Ohio. Filed July 23, 1921. Serial No. 486,967. 29 Claims. (Cl. 188—88.)



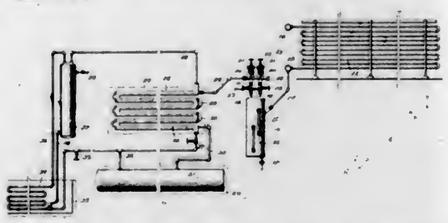
1. In a fluid shock absorber, the combination of a casing having a cylindrical chamber; a piston adapted to reciprocate in said chamber and dividing the same into a plurality of compartments; means providing a plurality of conduits of restricted cross-sectional area each communicating with a plurality of said compartments; means preventing fluid transfer through some of said conduits in one direction of movement of the piston and through the other of said conduits in the other direction of movement of the piston; and shock-transmitting means connected to the movable body whose shocks are to be absorbed and acting upon the piston.

1,500,278. SOLDERING IRON. FREDERICK W. A. SENKEL, Baltimore, Md. Filed Sept. 14, 1923. Serial No. 662,700. 2 Claims. (Cl. 113—109.)



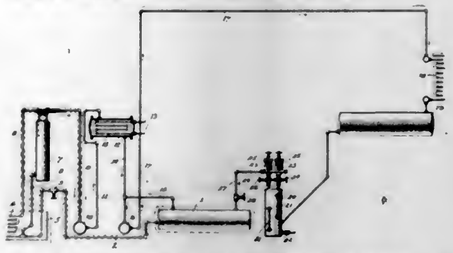
1. A soldering iron of the class described including a head, a container connected to the head, said head provided with a conduit communicating with the container, said head also provided with a valve seat extending across the conduit, a valve movable in the head adapted to be seated on the valve seat by gravity whereby the flow of solder from the container through the conduit may be regulated by turning the soldering iron in the manner and for the purpose specified.

1,500,279. METHOD OF AND MEANS FOR SEPARATING OIL FROM THE REFRIGERANT IN REFRIGERATING SYSTEMS. THOMAS SHIPLEY, York, Pa. Filed Oct. 2, 1923. Serial No. 666,196. 16 Claims. (Cl. 62—178.)



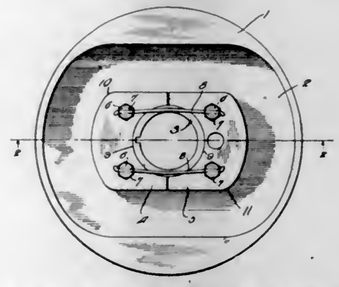
8. The method of removing oil from the refrigerant in a refrigerating system of the compressor condenser evaporator circuit type, which consists in subjecting the refrigerant between the compressor and the evaporator to a two-stage cooling treatment in the first stage of which the refrigerant is condensed and subjecting the refrigerant as it flows between said stages to successive gravity separation and filtering treatments.

1,500,280. MEANS FOR SEPARATING OIL FROM THE REFRIGERANT IN REFRIGERATING SYSTEMS. THOMAS SHIPLEY, York, Pa. Filed Jan. 4, 1924. Serial No. 684,348. 7 Claims. (Cl. 62—115.)



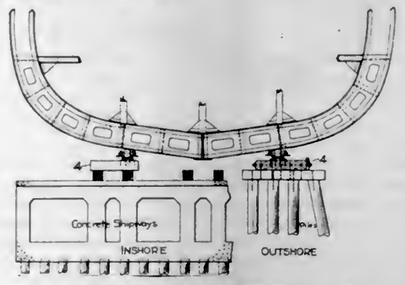
1. The combination with a refrigerating system of the compressor condenser evaporator circuit type, including two compressor stages and an intermediate receiver subject to the suction pressure of the high pressure stage, and connected to receive liquefied refrigerant from the condenser and to feed it to the evaporator, of an oil removing filter interposed in the refrigerant line between the condenser and the intermediate receiver.

1,500,281. NIPPER CAM FOR WHITIN COMBERS. RUFUS EDWARD STARNES, Mount Holly, N. C. Filed July 20, 1923. Serial No. 652,846. 2 Claims. (Cl. 19—116.)



1. In a device of the class described, the combination of a cam member having a cam race, a central bearing, opposite cam members removably and reversibly mountable on the bearing member and forming the inner wall of the cam race and means for releasably locking said cam members in position on the cam to complete the cam race.

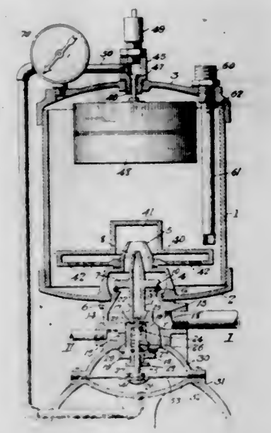
1,500,282. HAULING-OUT SYSTEM FOR SCRAPPING VESSELS AND APPARATUS FOR THE SAME. FREDERICK C. STAUFFEN, Baltimore, Md., assignor to Union Shipbuilding Company, a Corporation of Pennsylvania. Filed Mar. 4, 1924. Serial No. 696,865. 2 Claims. (Cl. 61—67.)



1. An apparatus for drawing floating bodies out of the water, consisting of an inclined way, tracks thereon,

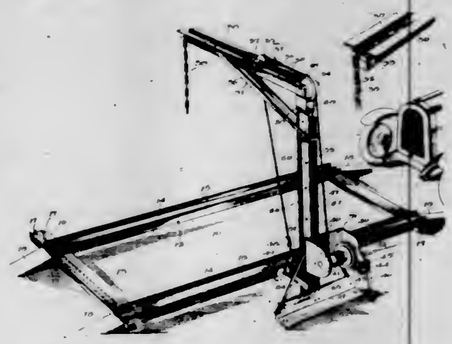
and a series of connected and spaced rollers traveling thereon upon which rollers the floating body directly rests, and upon which it travels.

1,500,283. CARBONATING APPARATUS. HUGH S. STINSON, Minneapolis, Minn. Filed June 21, 1922. Serial No. 569,837. 12 Claims. (Cl. 261—64.)



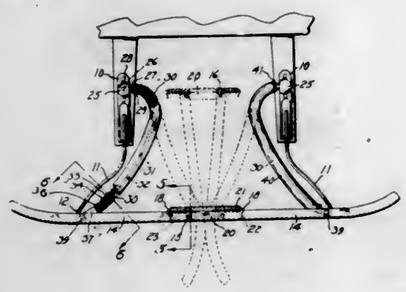
2. Appratus for carbonating water and the like, comprising a tank, a discharge connection therefor, liquid and gas supply connections thereto, means to maintain the pressure in the tank below that of the liquid supply, means responsive to the difference in the pressure in the tank and the liquid supply connection for controlling the supply of gas to the tank, and means for receiving and mixing the gas and liquid and discharging the mixture into the tank.

1,500,284. HOIST FOR MOTOR VEHICLES. WILLIAM L. STUBBS, Norfolk, Va. Filed Nov. 17, 1922. Serial No. 601,521. 7 Claims. (Cl. 214—1.)



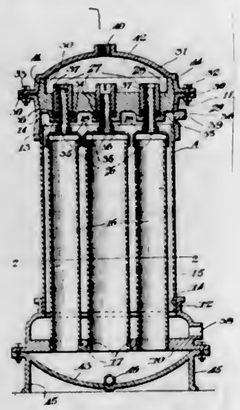
1. In an apparatus of the character described, a frame, means for supporting the frame to permit transverse movement thereof, a post positioned at one side of the frame and at a point central to the length of the frame, a connection between the last named side of the frame and the post, said connection including roller means to permit free upward movement of this side of the frame, and means for lifting the last named side of the frame, said means being adapted to exert a pull from a point occurring above the frame and inwardly spaced with relation to the post.

1,500,285. FOLDING BUMPER FOR AUTOMOBILES. THOMAS D. TERLIZZI, Worcester, Mass. Filed Aug. 27, 1923. Serial No. 659,461. 12 Claims. (Cl. 293—55.)



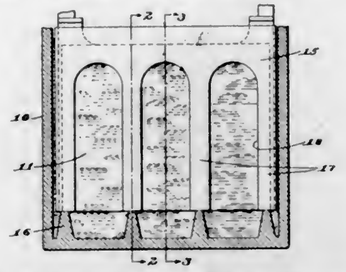
1. In an automobile bumper, the combination of two opposite arms and a center block, said arms being pivotally connected with the center block and capable of swinging inwardly at that point, and means for rigidly supporting said arms at points at a distance from their ends.

1,500,286. WATER HEATER. JOSEPH ALEXIS OVILA TERRIAULT, Ottawa, Ontario, Canada. Filed Nov. 7, 1922. Serial No. 599,562. 3 Claims. (Cl. 257—224.)



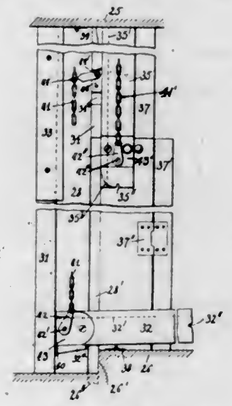
1. A heater of the character described comprising in combination, a cylindrical casing threaded at each end to engage with a lower and apertured plate member, and an upper flanged ring shaped member, a plurality of tubes in the casing adapted to fit into the lower plate member, a detachable inner plate adapted to fit into said ring member and provided with spaced restricted openings therethrough, a dome shaped head formed with a flange adapted to overlap the flange on the ring shaped member and bolt securing means extending through said flanges, an extension formed on the inner plate and a recess formed in the head piece adapted to snugly engage with said extension, whereby the joint between the head piece and the ring shaped member is rendered leak-proof, restricted pipe means detachably secured on said tubes and designed to extend through said inner plate, and a suitably formed base member provided with supports adapted to be clamped to the lower plate member, a steam discharge opening at said base and a steam intake opening in the head piece and water intake and discharge means in the bottom plate and ring shaped member respectively.

1,500,287. STORAGE BATTERY. RALPH W. WALES, Auburndale, Mass. Filed May 5, 1921. Serial No. 467,006. 5 Claims. (Cl. 204—29.)



1. A storage battery comprising, in combination with the active plates and the electrolyte thereof; separators, made of insulating material arranged between the active plates, and having openings extending up and down, with lateral surfaces of said openings so steeply inclined as to shed downward any solid substance falling thereon; there being at the bottom a space below said opening into which material shed therefrom may fall; and the horizontal and vertical boundaries of said openings in each separator being integral with each other, whereby the entire thickness of stock is used in their junction.

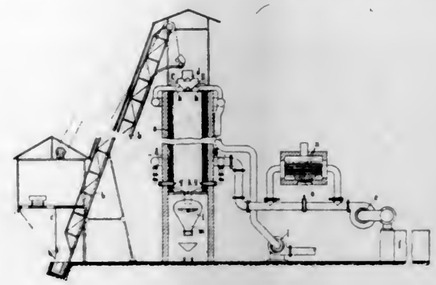
1,500,288. WINDOW. JACOB WEBER, New York, N. Y. Filed Aug. 5, 1920. Serial No. 401,372. 9 Claims. (Cl. 20—42.)



1. In a window, a frame, a sash, means to suspend said sash from said frame for free vertical movement, said sash provided with normally inactive pivot bolts at its sides, and said frame provided with elongated sockets with which said bolts are brought into alignment when said sash is brought to its lowermost position, said bolts and sockets located at one side of the central vertical plane of the sash whereby when said bolts are projected into said sockets a pivotal connection between said sash and frame is effected, said bolts being transversely movable in said sockets and the place of said connection being located to provide clearance between the lower edge of the sash and the frame during the pivotal movement thereof and said bolts being mounted for free slidable movement into said sockets.

1,500,289. PROCESS FOR THE PRODUCTION OF AN ALKALI METAL SULPHATE AND HYDROCHLORIC ACID. JOSEF WENER, Essen, Germany. Filed Aug. 30, 1921. Serial No. 496,908. 6 Claims. (Cl. 23—1.)

1. The process for the production of alkali metal sulphates and hydrochloric acid from alkali metal chlorides consisting therein that an alkali metal chloride is caused to pass from the top to the bottom of a shaft against an uninterrupted current of an atmosphere of gases com-



prising sulphurous acid, water vapor and oxygen, and the solid product of reaction of said alkali metal chloride with said gases is discharge at the bottom and the gaseous reaction product at the top of the shaft.

1,500,290. PUMP. ABNER H. WINORG, Buffalo, N. Y. Filed Apr. 14, 1922. Serial No. 552,822. 1 claim. (Cl. 103—179.)

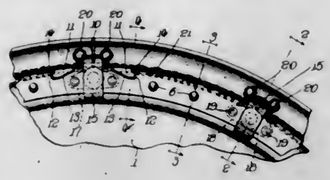


A pump comprising a working barrel, a rod mounted therein and carrying a working valve, a sleeve threaded upon the upper end of the barrel and slidably receiving the rod, a seating member threaded within the upper end of the barrel and having a portion disposed above the upper end edge of the barrel, a piston rod slidably received in the seating member, a disk slidably mounted upon the piston rod and housed within the sleeve, stops carried by the sleeve and spaced above the seating member and disposed in the path of movement of the disk, said disk being provided at its upper side with an annular cavity, the parts being so arranged that the piston rod may have unlimited sliding movement with relation to the disk.

1,500,291. WHEEL RIM. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 23, 1920. Serial No. 412,159. 6 Claims. (Cl. 152—21.)

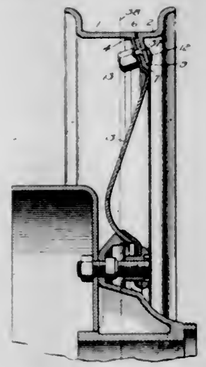
1. The combination with a wheel web, of a main tire receiving rim member having at one margin an outwardly extending flange and at the other side an in-

wardly offset portion merging into an inwardly extending flange overlapping and rigidly fixed to said web, and a transversely divided rim ring having an outer tire



retaining flange and a portion fitting over said inwardly offset portion and forming, peripherally, an extension of the tire receiving surface of the main rim member.

1,500,292. METAL RIM AND DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Original application filed July 26, 1920, Serial No. 398,927. Divided and this application filed June 16, 1921. Serial No. 478,029. 8 Claims. (Cl. 152—21.)



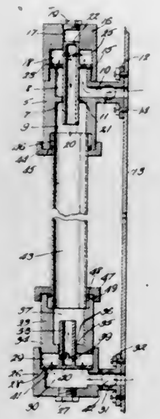
4. A rim composed of a main annular member and a companion annular member, each provided, at some distance outwardly from the central load plane, with an inwardly extending flange inclined outwardly with respect to the plane of the wheel, the flange of the main member having elongated perforations, and a series of bolts fixed to the flange of the companion member and adapted to pass through said perforations and to receive clamping nuts.

1,500,293. FIREARM. HENRY E. WINANS, Alton, Ill. Filed Dec. 5, 1923. Serial No. 678,627. 9 Claims. (Cl. 42—1.)



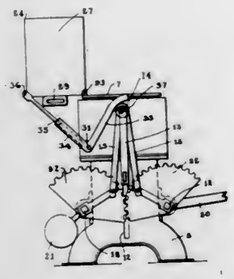
9. A firearm having a barrel, and a rib extending longitudinally of said rib, said rib being formed of a material impervious to heat and said rib being provided with an inclined top face along which the object being fired upon is sighted.

1,500,294. WATER GAUGE. ERNEST WOOD, Yorkton, Saskatchewan, Canada. Filed Oct. 14, 1920. Serial No. 416,949. 1 Claim. (Cl. 73—54.)



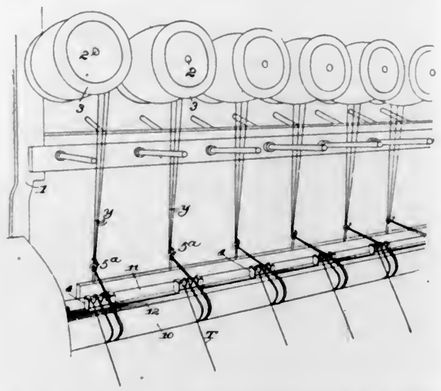
A water gauge adapted for connection to a steam boiler comprising a pair of spaced open ended valve casings, a gauge glass, means for securing said gauge glass to adjacent ends of the valve casings, means forming an upper and lower chamber in each valve casing including a horizontal member having a passage for establishing communication between said chambers, a valve comprising a disk having a sleeve secured to one face thereof and extending at right angles thereto, said disk having ports adjacent its periphery and said sleeve having ports near its attachment to the disk, means for normally supporting said valves in spaced relation from said horizontal member so that the sleeves thereof are slidable in the passage extending through the member, whereby upon breakage of the gauge glass the valves are caused to move vertically to closed position thereby cutting off communication between the upper and lower chambers in each casing through the ports in the valves.

1,500,295. CEMENT-BLOCK MACHINE. CLEMENT ZOPHY, West Allis, Wis. Filed June 9, 1922. Serial No. 566,993. 6 Claims. (Cl. 25—41.)



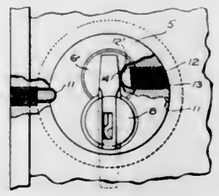
1. A machine of the class described comprising a casing; a mold supporting member within said casing; a mold member pivotally secured to said supporting member; and means for moving said mold and supporting members out of said casing and simultaneously swinging the former about its pivot.

1,500,296. TWISTER. JOHN SNELGROW BACHMAN, Rome, Ga. Filed Mar. 3, 1923. Serial No. 622,636. 6 Claims. (Cl. 117—21.)



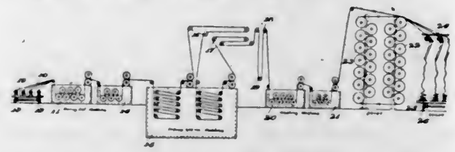
1. In combination with the revolving rolls of a twister, means disposed between the rolls to keep separated strands of yarn wrapped from one roll to the next, and means to adjust the position of the separating means in respect to the rolls.

1,500,297. CYLINDER LOCK. FRANK E. BEST, Seattle, Wash. Filed Feb. 14, 1922. Serial No. 536,428. 2 Claims. (Cl. 70—46.)



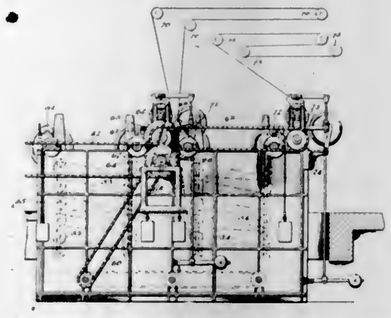
1. In a lock of the class described the combination with a core housing arranged to be inserted in a lock case and provided with a hole in one side, of a core adapted to fit into said core housing and having an indentation arranged to register with said hole in said core housing and detent means operable in said hole and arranged to enter said indentation to retain said core in said core housing, access to said detent means being impossible when said core housing is within a lock case.

1,500,298. LONG-CHAIN-WARP-TREATING APPARATUS. HAROLD MASON CHASE and GEORGE WILMOT ROBERTSON, Danville, Va., assignors to Riverside and Dan River Cotton Mills, Inc., Pittsylvania County, Va., a Corporation of Virginia. Filed Dec. 5, 1922. Serial No. 605,032. 4 Claims. (Cl. 8—19.)



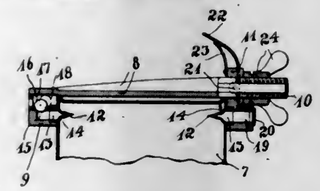
1. In an apparatus for the treatment of long chain warps, boiling-out tanks, a dye vat, washing tanks and a drier arranged for a continuous run of long chain warps therethrough, and divided into two ranges having a compensating device therebetween and of which one range is provided with means to increase and decrease the speed of movement of warps therethrough, with respect to the other.

1,500,299. WARP-DYEING APPARATUS. HAROLD MASON CHASE and GEORGE WILMOT ROBERTSON, Danville, Va., assignors to Riverside and Dan River Cotton Mills, Inc., Pittsylvania County, Va., a Corporation of Virginia. Original application filed Dec. 5, 1922, Serial No. 605,032. Divided and this application filed Sept. 29, 1923. Serial No. 665,722. 3 Claims. (Cl. 8—19.)



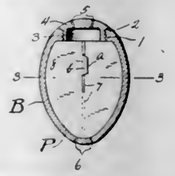
2. In a warp treating apparatus, a warp dyeing machine including a single dye chamber having means for separate, successive movements of warps therethrough, and having squeeze rolls and oxidizing devices for the warps after each movement thereof through the dye chamber, and means for continuously agitating the dye material in said dye chamber.

1,500,300. ATTACHABLE VALVE. WILLIAM R. CLARK, San Diego, Calif. Filed June 15, 1922. Serial No. 568,524. 2 Claims. (Cl. 221—23.)



1. In a device of the class described, a bar to be placed on the top of a liquid-holding container having a hook-like end to reach over one side and terminating at its other end in a threaded portion to extend over the opposite side of the container, a valve controlled hollow piercing member in the hook-like end of the bar, and another valve-controlled hollow piercing member adjustably mounted on the threaded end of the bar.

1,500,301. CONTAINER. BENJAMIN F. CUMMINGS, Reeds Spring, Mo. Filed Feb. 23, 1922. Serial No. 538,601. 1 Claim. (Cl. 119—46.)



In combination with a receptacle provided with openings, partitions arranged within the receptacle to divide

the same into compartments, said partitions having open slots to permit said partitions to interlock, the side wall of the slot of one of the partitions being provided with a recess, the second wall of the slot having a lug which normally extends within said recess, the second partition inwardly of the open slot therein having an opening through which the lug of the first partition extends when the partitions are in interlocking arrangement.

1,500,302. RAIN PROTECTOR FOR VEHICLES. GEORGE W. DOVER, Cranston, R. I., assignor of one-half to John Montgomery, Woonsocket, R. I. Filed Oct. 10, 1921. Serial No. 506,723. 7 Claims. (Cl. 296—99.)

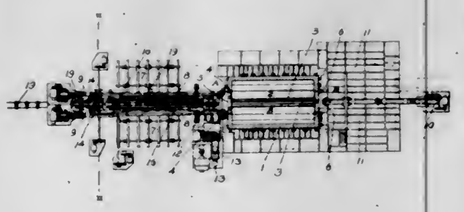


1. In a rain protector for vehicles, a vehicle top provided with a bow, clamping means detachably secured to said bow, a shield pivotally supported by said clamping means for movement into outwardly extending position or inwardly retracted position relative to said top, a curtain carrying roll rotatably supported by said detachable clamping means, and a curtain carried by said roll and movable into extended position when said shield is in either its extended or retracted positions.

1,500,303. PROCESS OF MAKING RESINOUS MATERIAL FROM PARALDEHYDE. CARLETON ELLIS, Montclair, N. J. Filed July 3, 1923. Serial No. 649,377. 3 Claims. (Cl. 260—4.)

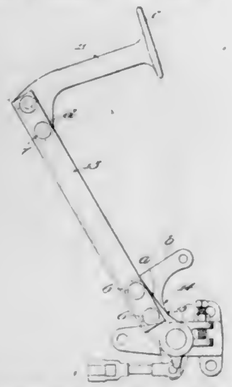
1. The process of making a resin which comprises adding paraldehyde to a reactive phenol capable of resinification therewith, in the presence of an acid catalyst, the addition being made very gradually to obtain a chilling effect in part compensating for the heat of the reaction whereby regulation of the temperature is better effected.

1,500,304. PIPE MILL. FRANK I. ELLIS, Pittsburgh, and JOHN H. SENNETT, Woodlawn, Pa., assignors to Jones & Laughlin Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1920. Serial No. 429,853. 14 Claims. (Cl. 78—83.)



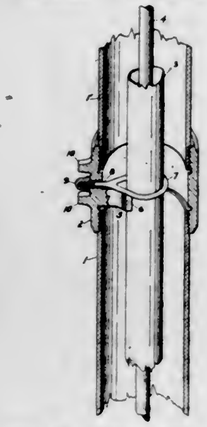
1. In a pipe-welding mill, the combination of a furnace, a welding machine with its bar puller standing opposite the delivery opening from the furnace, and a conveyor for the welded pipe leading from the welding machine and bar puller in longitudinal continuation of the line of the advance of the pipe through the welding machine, substantially as described.

1,500,305. PEDAL FOR AUTOMOBILES. STEPHEN I. FEKETE and STUART G. BAITS, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 2, 1923. Serial No. 655,260. 2 Claims. (Cl. 74—81.)



1. The improved pedal for automobiles which comprises an arm for engagement with a cross shaft, a channel member secured at one end to said arm and a foot plate member secured to the other end of said channel member.

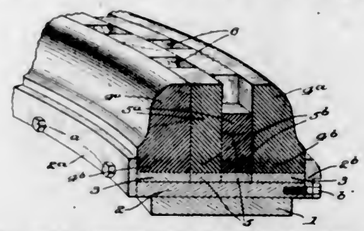
1,500,306. DEEP-WELL-PUMP COLUMN COUPLING. WALTER L. FORWARD, Oakland, and JOHN B. KEATING, Piedmont, Calif. Filed Oct. 5, 1922. Serial No. 592,495. 7 Claims. (Cl. 103—111.)



3. In a deep well pump column, a coupling, comprising, a body threaded at each end for the reception of the outer column pipe sections, and a ring bolt member adapted to loosely encircle the inner pipe column, the said body provided with an inner projection and outer projections, the said inner projection adapted to partially encircle the said inner pipe column, and in conjunction with said ring bolt, center, align and hold the said inner column in position; the said outer projections on said body adapted to protect the nut of the said ring bolt from injury in the lowering or withdrawing of the column in the well.

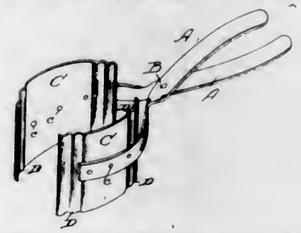
1,500,307. SECTIONAL CUSHION TIRE. ALFRED A. GLIDDEN, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed May 8, 1923. Serial No. 637,523. 3 Claims. (Cl. 152—9.)

1. In a sectional cushion tire and in combination, an annular carrying rim having removable tire retaining means at one edge thereof, and a sectional cushion tire removably carried thereby and comprising a plurality of annular members, each of which in turn comprises an



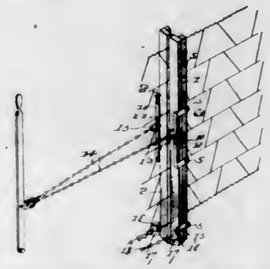
annular metal carrying band and an annular cushion tire section fast thereon, certain of said tire sections having transversely disposed grooves or recesses in their peripheries.

1,500,308. GRIPPING DEVICE FOR CANNING JARS. MAX GOLDBERG, Detroit, Mich. Filed Aug. 27, 1923. Serial No. 659,481. 2 Claims. (Cl. 81—3.2.)



1. In a device of the character described, a pair of hinged members provided with relatively broad arcuate shaped jaws having terminal engaging portions provided with corrugations extending entirely across the said terminal portions from the upper to the lower edge thereof and adapted to engage the surface of a canning jar.

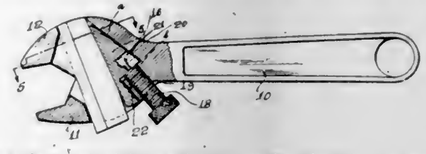
1,500,309. FENCE-WIRE CLAMP FOR FENCE STRETCHERS. WILEY L. GOLDSTON, Quebeck, Tenn. Filed Apr. 15, 1922. Serial No. 552,987. 1 Claim. (Cl. 254—83.)



A wire stretcher clamp comprising a pair of elongated rigid clamping jaws rearwardly extending U-shaped brackets fixed to the outer sides of the jaws midway between the ends thereof and embodying relatively long central portions extending parallel with the jaws and having notches in their inner edges, and rings releasably engageable in desired ones of said notches and constructed for connection with a pulling mechanism whereby the pulling stress may be exerted in a plane at either side of the transverse center of the clamp.

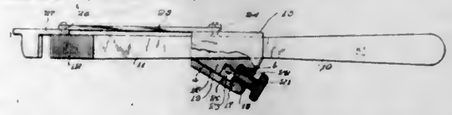
1,500,310. WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed July 16, 1923. Serial No. 651,923. 2 Claims. (Cl. 81—154.)

1. A wrench comprising a fixed member and a slidable member, said fixed member having a guide opening and a recess therein, said slidable member having a shank received in said guide opening, said recess having two walls at right angles to each other and one of said walls provided with a screw threaded opening, a tapered locking key cooperating with said shank for holding said slidable member in rigid adjusted position and having



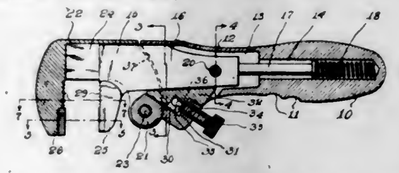
two faces at right angles to each other to cooperate with the right angular walls of the recess, and a screw operating member passing through said opening in the wall of the recess and connected to said locking key, whereby the key is adjusted to locking position by sliding over the other of said right angular walls of the recess.

1,500,311. WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed July 16, 1923. Serial No. 651,924. 4 Claims. (Cl. 81—106.)



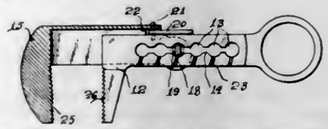
1. A wrench comprising a shank, a slidable member on said shank and adjustable longitudinally thereof, means for holding said slidable member in adjusted position, a head associated with said shank, a bar pivotally connected to said slidable member, and a head pivotally connected to said bar and cooperating with the head associated with the shank.

1,500,312. WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed July 16, 1923. Serial No. 651,925. 5 Claims. (Cl. 81—154.)



1. A wrench comprising a stationary member having a longitudinal bore and a recess in communication with said bore, a longitudinally movable member having a tapered shank slidable in said bore over said recess, a head pivoted to said stationary member at a point below said tapered shank, a tapered locking key within said recess and cooperating with said tapered shank for holding the latter in rigid adjusted position with respect to said stationary member, and a screw bearing on said locking key for holding same against said tapered shank.

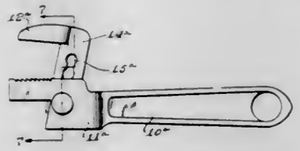
1,500,313. WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed July 16, 1923. Serial No. 651,926. 4 Claims. (Cl. 81—109.)



1. A wrench comprising a stationary member having a shank portion provided with a series of longitudinally spaced holes connected together by slots, a movable member having a channeled shank slidably positioned on

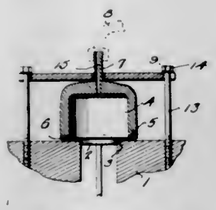
said stationary shank and provided with aligned openings in the sides thereof, a pivot pin passing through said aligned openings and positioned in a predetermined hole in the stationary shank, said pivot pin having a reduced portion to permit of its passing through said slots from hole to hole when the wrench is to be adjusted, and a locking bar pivotally connected to said movable member and cooperating with said stationary member to prevent accidental longitudinal movement of the movable member.

1,500,314. WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed July 16, 1923. Serial No. 651,927. 1 Claim. (Cl. 81—109.)



In a wrench, the combination of a shank having a straight fixed head in longitudinal alignment therewith and offset therefrom in a transverse direction, said head having two work engaging flat faces, a channel at right angles to said shank and openings in the side walls of the channel, a straight movable head having a shank at right angles thereto and provided with a single work engaging flat smooth face, said shank having a plurality of holes therethrough, adjacent holes being connected by slots, a pin passing through the openings in the side walls of the channel and through a selected hole of said movable shank, said pin having a cup shaped washer at one end thereof and a fastening screw therefor and a spring for holding said pin in proper position, said fastening screw being quickly removable to permit of the removal of the pin so that the movable head may be positioned reversibly so as to present its work engaging smooth face with either of the work engaging faces of the fixed head.

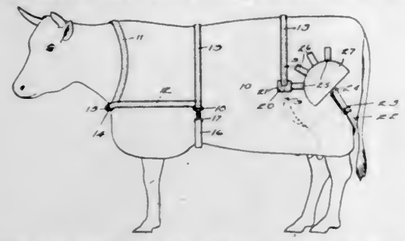
1,500,315. TOOL. NELSON C. HALL, Olin, Iowa. Filed Jan. 9, 1922. Serial No. 528,006. 3 Claims. (Cl. 73—51.)



1. A valve testing tool comprising an air cup, means for admitting air into a cup, said yoke comprising a plate, said cup provided with an air inlet neck, said yoke provided with a central opening for receiving said neck, said yoke provided with laterally extending arms having notched ends, and clamping means engaging the notched ends for clamping the cup over and around the valve of an engine.

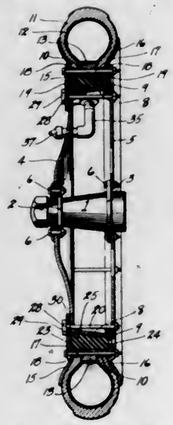
1,500,316. ANIMAL COVER. WILLIAM EDWIN HAMLIN, Des Moines, Iowa. Filed Feb. 13, 1923. Serial No. 618,790. 8 Claims. (Cl. 54—79.)

1. A protective blanket for animals comprising a sheet of material, means for fastening the blanket around the neck of the animal, and means for fastening the rear end of the blanket to the hind legs of the animal, said means including straps fastened to the underside of the blanket at points spaced from the sides and end of the blanket, flexible loops attached to the upper side of the blanket, said straps being adapted to be passed



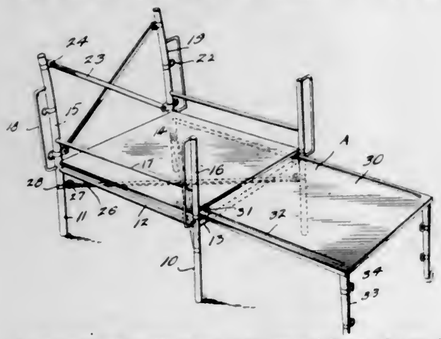
around and under the rear legs of the animal and slidable connections between said flexible loops and the straps.

1,500,317. AUTOMOBILE AIR WHEEL. JEREMIAH HAYES, Everett, Wash. Filed Sept. 25, 1922. Serial No. 590,393. 6 Claims. (Cl. 301—63.)



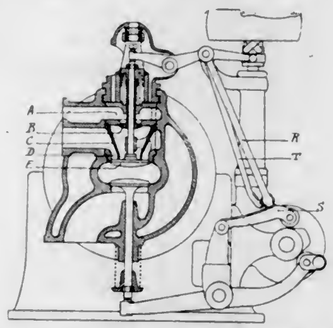
1. A wheel of the class described comprising a body forming disk having a marginal portion forming a rim seat, a rim forming a tire base, a tire mounted on said rim, a cushioning ring fitted within the rim and demountably on the rim seat and means detachably securing the rim to the wheel body.

1,500,318. COMBINATION CHAIR AND BABY CRIB. LOUISE B. HENRY, Meadow, Nebr. Filed Aug. 29, 1923. Serial No. 660,006. 2 Claims. (Cl. 155—44.)



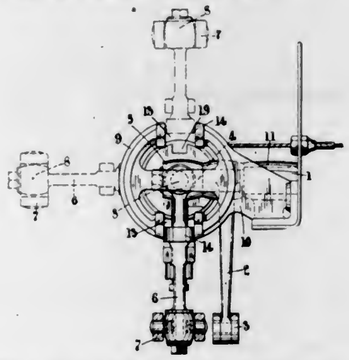
1. A combined chair and crib comprising a frame including front and rear supporting legs, transverse longitudinal braces for the legs, a chair back frame carried by the rear pair of legs, hollow side chair arms associated with the frame, headed guide pins carried by the front transverse brace bar, a chair bottom connected with the legs arranged above the brace bars, a crib bottom slidably associated with the frame and arranged below the chair bottom, guide pins carried by the front transverse brace bar, the crib bottom having longitudinally extending slots formed therein for receiving the pins, supporting legs for the forward end of the crib bottom, side walls slidably associated with the hollow chair arms, and a removable front ornamental piece detachably carried by the front pair of legs for association with the side walls when the same are extended to their operative position.

1,500,319. INTERNAL-COMBUSTION ENGINE. HENRI HERSU, Meudon, France. Filed July 2, 1920. Serial No. 393,675. 1 Claim. (Cl. 123—75.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



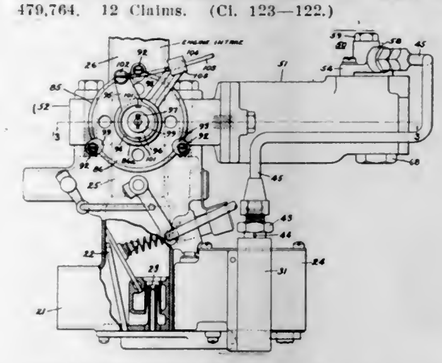
In an internal combustion engine, a cylinder, a piston therein, a trumpet-shaped water-cooled combustion chamber joining the cylinder, igniting means connected with the chamber, an exhaust valve and an admission valve seated in the chamber, a tubular gas valve mounted slidingly on the stem of the admission valve, a funnel surrounding said gas valve and forming closing contact edge with the admission valve, an air-chamber around said funnel and ending in a recessed seat for the admission valve, a cam-shaft parallel with the axis of the cylinder, lever mechanism actuated by said shaft for operating the exhaust valve, and lever mechanism, actuated by the cam-shaft of the first said lever mechanism, and controlled by a speed-governor for operating conjointly the admission valve and gas valve.

1,500,320. STEERING GEAR FOR MOTOR ROAD VEHICLES. ALEXANDER ALBERT HOLLE, Paddington, London, England. Filed Nov. 30, 1923. Serial No. 677,739. 4 Claims. (Cl. 280—91.)



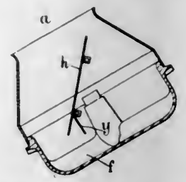
1. In a steering gear for motor road vehicles, the combination with the shaft operated by the hand-controlled mechanism of a drop arm fixed on said shaft and adapted to be connected to the link-work between one pair of road wheels by a suitable connecting rod; a drop arm adapted to be connected to the link-work between the other pair of road wheels by means of a suitable connecting rod, said arm being pivoted to said shaft so that it is free to turn through an arc the plane of which lies at right angles to the plane in which it rocks to impart the steering movement; and means for moving the pivoted arm through the desired arc and for locking same in the desired position.

1,500,321. SUCTION BURNER CONTROL. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 23, 1921. Serial No. 479,764. 12 Claims. (Cl. 123—122.)



1. In a heating device for the intake of an internal combustion engine, the combination with an engine having an intake; of a burner including a combustion chamber in contact with the intake and in communication therewith through a passage; means under control of engine suction for supplying the burner with a fuel mixture; and automatic means for controlling the passage between said combustion chamber and said intake in accordance with intake suction.

1,500,322. MIXING MACHINE. PHILIP DENIS IONIDES, Ipswich, England, assignor of one-half to Ransome Machinery Company (1920) Limited, London, England. Filed Dec. 8, 1923. Serial No. 679,381. 4 Claims. (Cl. 83—73.)

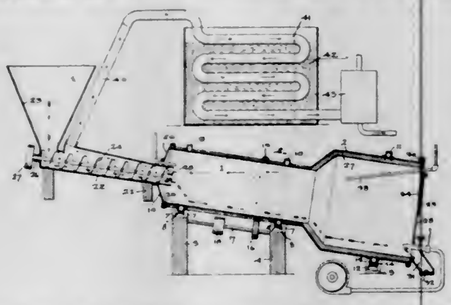


1. A mixing machine having a drum comprising a frusto-conical upper wall, an annular wall joining said upper wall a base or bottom portion the interior surface of which is curved so as to merge into the aforesaid annular wall and into a tubular bearing rising from the bottom of the drum and a number of ribs or projections upstanding from the curved bottom of the drum the contour of said ribs being also curved so as to merge into the parts of the drum adjacent the ribs.

1,500,323. OIL-SHALE EXTRACTION PROCESS. ROBERT W. JENKINS, Richmond, Calif. Filed May 12, 1921. Serial No. 468,844. 2 Claims. (Cl. 196—21.)

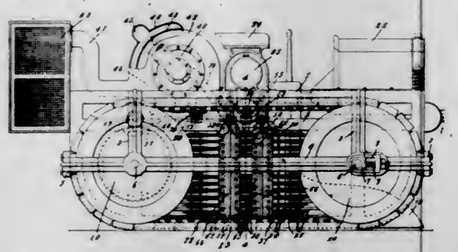
1. The herein described process of distilling oil from oil shale, comprising progressively passing predetermined quantities of shale into a heated retort; revolving said

retort to advance said shale therethrough; subjecting said shale to direct contact with the flame of a heating



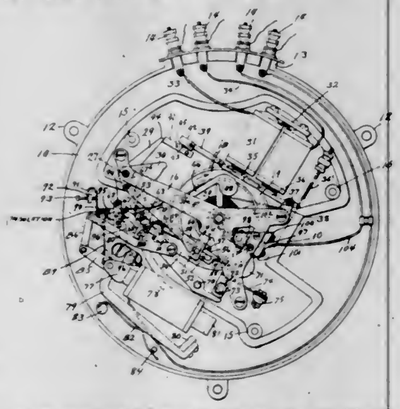
medium for distillation purposes; collecting the heated oil vapors of said shale and relieving said retort of excess pressure.

1,500,324. COMBINED TRACTOR AND COTTON-PICKING MACHINE. BILLIE JOHNSON, Temple, Tex. Filed Apr. 5, 1920. Serial No. 371,351. 12 Claims. (Cl. 56—14.)



2. In a cotton picking machine a collecting chamber having a perforated inner side wall, superposed holding chains movable around said chamber, outstanding plant engaging devices thereon, and a group of superposed picking needles mounted for rotation between said superposed chains and for reciprocation transversely of the collecting chamber and within the perforations in the inner side wall.

1,500,325. SELF-WINDING GONG. WALTER H. KALLENBACH and CHARLES C. BERTSCH, Boston, Mass., assignors to Alfred A. Zeigler, Roxbury, Mass. Filed Nov. 29, 1919. Serial No. 341,473. 8 Claims. (Cl. 177—288.)



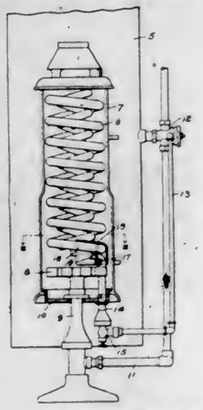
1. In an electrically operated gong, the combination of a spring motor, a rotatable member operable thereby and provided with an annular groove, a clutch member mounted in said groove and movable tangentially of said rotatable member, a pivotally mounted latch, a hammer associated therewith, electrically operated means for releasing said latch and hammer, means associated with said latch and hammer for simultaneously operating the aforesaid clutch member, a second clutch member mounted in said groove, a rewind mechanism, and means for connecting said rewind mechanism to said second clutch member to drive the rotatable member and store its energy in the spring motor.

1,500,326. CHURN DASHER. JAMES W. LANCASTER, Senath, Mo. Filed May 24, 1923. Serial No. 641,182. 3 Claims. (Cl. 259—142.)



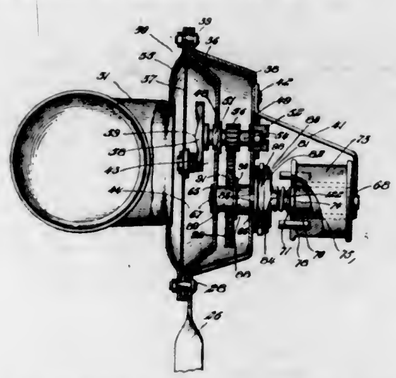
1. A churn dasher including a handle, and propellers rotatably mounted adjacent the lower end of the handle and positioned one above the other, the upper propeller having a hub, a set of blades extending from the hub upon an axis extending at right angles to the axis of the handle, and a second set of blades extending from said hub and inclined upwardly, the lower propeller having a hub, a set of blades extending therefrom upon an axis extending at right angles to the axis of the handle and a second set of blades inclined downwardly.

1,500,327. WATER HEATER FOR STAND BOILERS. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Nov. 18, 1922. Serial No. 601,928. 4 Claims. (Cl. 122—250.)



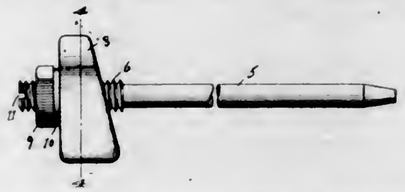
1. The combination with a stand boiler, of a heating coil connected thereto, a main burner below said coil, a guard or shield depending from said coil and a combined pilot light and circulation burner of the Bunsen type so located that the flame therefrom will be directed through said shield and in contact with the lowest convolution of said coil.

1,500,328. MECHANICAL WARNING SIGNAL. LEONARD C. LESTER, Cranston, R. I. Filed Oct. 3, 1923. Serial No. 666,301. 6 Claims. (Cl. 116—59.)



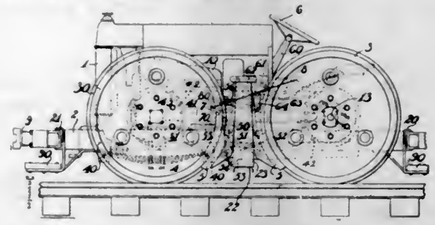
6. In combination with the body, the engine case, the fan, the fan belt, and the steering post of an automobile, of a bracket on the engine case, a signal comprising a frame supported by the bracket, and a sound outlet, a diaphragm in the frame, a rotatable vibrator supported in the frame in operative engagement with the diaphragm, a shaft fixed in the frame adjacent the vibrator, a driven member rotatably mounted on the fixed shaft for actuating the vibrator, a pulley loosely mounted on the fixed shaft engaging the fan belt, a projection on the face of the pulley, a disk rotatably mounted on the fixed shaft and axially slidable thereon, lugs on the disk engaging the driven member, a shifting lever pivotally supported intermediate its length upon the frame engaging the disk, a lever pivoted to the body, a rod connecting the levers, a collar on the steering post, a rod slidably supported in the collar engaging the second lever, a knob on the slidable rod, and a spring interposed between the knob and the collar.

1,500,329. PICKER ROD AND STAND FOR LOOMS. WILFRID H. LUSIGNAN, Worcester, Mass. Filed Mar. 14, 1923. Serial No. 625,038. 2 Claims. (Cl. 139—158.)



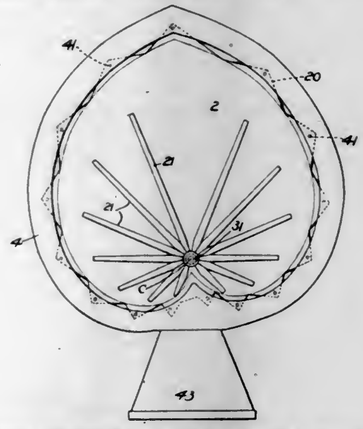
1. A device of the character described comprising, a picker rod, one extremity thereof being screw threaded, a picker rod stand provided with an internally threaded bore adapted to receive the threaded extremity of the picker rod, a nut adapted to engage the extremity of the picker rod after the same has been inserted through the stand, means for preventing displacement of the said nut, a screw threaded bore provided at right angle to the first mentioned bore adapted to connect the stand upon the loom, and a boss formed on one side of the stand about the last mentioned screw threaded bore.

1,500,330. LOCOMOTIVE. SYDNEY S. MCINTYRE, Sedro Woolley, Wash. Filed Oct. 27, 1921. Serial No. 510,715. 3 Claims. (Cl. 105—62.)



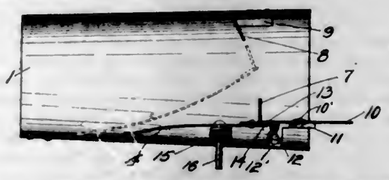
3. A locomotive comprising a self-contained power plant of the tractor type, a frame upon which said power plant is mounted, an axle driven directly by said power plant, tractor wheels secured on said axle, a second axle mounted upon said frame, tractor wheels journaled upon said second axle, driving means connecting the two wheels of each side, a cross beam secured to the frame and located between the two sets of wheels, a standard carried upon each end of the cross beam and extending upwardly between the wheels, brake shoes engaging the adjacent faces of said wheels, links suspending said brake shoes from said standards, and means for applying said brake shoes comprising a wheel which is the steering wheel of the original tractor.

1,500,331. TELEPHONIC RECEIVER. ROBERT H. MARRIOTT, Bremerton, Wash. Filed July 20, 1922. Serial No. 576,313. 1 Claim. (Cl. 181—32.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



A sound reproducing diaphragm having a cardioid outline in which the halves at opposite sides of its major axis are unequal.

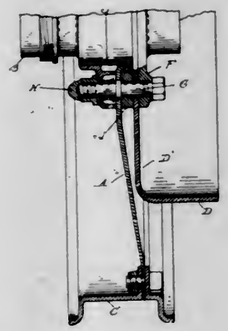
1,500,332. ANIMAL TRAP. WILLIAM PRESTON, Spokane, Wash. Filed May 17, 1921, Serial No. 470,388. Renewed Dec. 10, 1923. 1 Claim. (Cl. 43—82.)



The combination with a tubular casing having an upper, transversely arranged fixed jaw, of a longitudinally disposed spring plate fixed at one end and provided

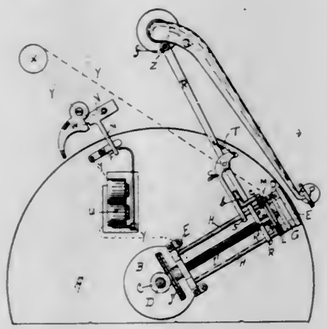
with a complementary jaw at its free end, a lip at the free end of the spring plate, a pivoted plate having a detent thereon to engage said lip and hold the trap set, and an actuating spring located between said spring plate and the casing.

1,500,333. REVERSIBLE DISK WHEEL. ALDEN L. PUTNAM, Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 28, 1918. Serial No. 256,009. 6 Claims. (Cl. 301—63.)



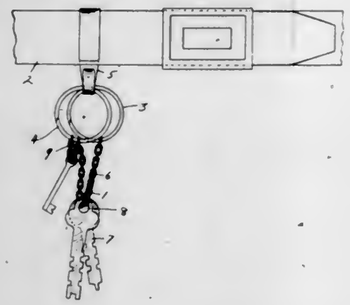
2. The combination with a wheel hub having a flange extending from the periphery thereof, of a demountable wheel comprising a dished disk, the central portion of said disk being arranged adjacent to the central plane of impact of the wheel, and co-operating studs and clamping nuts for engaging and securing said disk in reverse positions upon said hub.

1,500,334. NONSET AUTOMATIC ELECTRICAL STOP FOR PHONOGRAPHS AND OTHER LIKE INSTRUMENTS. BERTRAM REEVE, Chatham, Ontario, Canada. Filed June 6, 1923. Serial No. 643,719½. 1 Claim. (Cl. 192—118.)



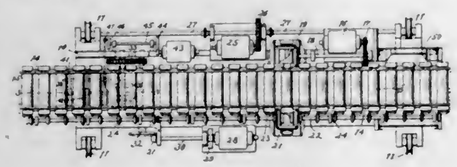
The combination of a gear wheel mounted on the shaft of the machine, a larger gear wheel lying at right angles to the former, a horizontal threaded shaft, with means to attach said larger gear wheel to the inner end of said shaft, track guides, shafts and guide supports, means to allow said shaft to revolve on said supports, means to attach said guides to said supports and means to fasten said supports to the top of motor block, a clutch made to conform with and threaded to fit on above mentioned shaft, a carriage that moves back and forth on said guides carrying an insulated block and stem, a contact bar, an adjustment screw and means to attach said insulated block, stem, contact bar and adjustment screw to said carriage, means to hinge above mentioned clutch to the under side of said carriage, a spring with means to fasten said spring to and hold said clutch in position on the above mentioned shaft when carriage is travelling forward and also to allow said clutch to be released when carriage is to be moved backward, a control lever projecting outward from the tone arm, of the machine and means to attach said lever to said tone arm, a projection upward on said tone arm to act as a fulcrum against the above mentioned control lever, when said lever is drawn backward, a releasing bar lying parallel with said control bar, the upper end of said releasing bar being curved and crossing over said control bar at a certain point, means to fasten said releasing bar to said control lever, a tension spring connecting the outer end of said releasing bar with a point on the said control bar, a right angled bar attached to and projecting forward at right angles from the contact bar previously mentioned, the outer arm of said bar lying parallel with the above mentioned control bar with its outer end turned downward, a stop trip lever and brake constituting the mechanical parts with electrical parts consisting of a dry cell, a magnet, and insulated wires as means to connect the said dry cell to the aforesaid contact bar, the dry cell to the stop trip lever, the circuit breaker to the magnet and the magnet to a ground.

1,500,335. KEY RETAINER. WAYNE L. RILEY, Flushing, Mich. Filed Aug. 7 1923. Serial No. 656,216. 2 Claims. (Cl. 24—3.)



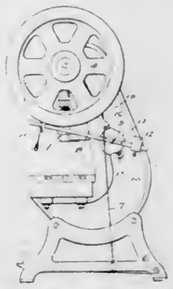
1. The combination with a support, of a key retainer comprising a link chain and a pair of rings carried by the support, one ring engaging one link of said chain, the other ring detachably engaging a second link of said chain to form a loop for carrying keys and also detachably engaging another link to form a second loop for carrying other keys.

1,500,336. ROLLING-MILL MANIPULATOR. JOHN F. ROGERS, Cleveland Heights, PAUL H. DOUGLAS, East Cleveland, and CHESTER W. BENJAMIN, Lakewood, Ohio, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 5, 1919. Serial No. 301,887. 11 Claims. (Cl. 80—45.)



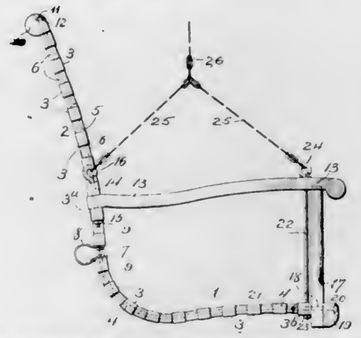
1. In a rolling mill construction, a table comprising a main supporting frame, a roll carrying portion pivotally supported on the frame so that it may be tilted about one end thereof, means movable with said portion and adapted to be shifted up and down between the rolls thereof for turning an ingot regardless of whether the said pivoted roll carrying portion is horizontal or inclined, operating means mounted on the main supporting frame and connections from said operating means to said ingot turning means through which said ingot turning means may be operated in the various positions of the roll carrying portion.

1,500,337. PUNCH-PRESS GUARD MECHANISM. EMIL ROTH, Cleveland, Ohio, and EDWARD P. ELZY, Hartford, Conn., assignors to The Aetna Life Insurance Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 30, 1922. Serial No. 548,225. 2 Claims. (Cl. 74—105.)



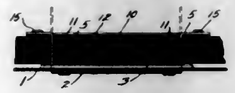
2. A punch press guard mechanism comprising an oscillatory guard carrying lever, a reciprocatory clutch controlling bar, and a cam forming a positive connection between said lever and bar whereby the rotation of the cam first causes the oscillation of the lever and then the reciprocation of the bar.

1,500,338. SEAT. FREDERICK W. SHUMAN, South Bend, Ind. Filed Aug. 11, 1121. Serial No. 491,467. 2 Claims. (Cl. 155—58.)



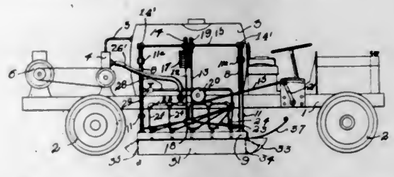
1. A device of the character described having back and bottom portions comprising slats, spaced apart, flexible rods passing through holes near respective ends of the slats, one end of each of said rods provided with a head, a nut threaded on the other end of each of said rods, some of the slats near the lower edge of the back portion being extended beyond the side edges of the back portion, arm rests secured to said projecting end portions of said slats, supporting posts for said arm rests, the front slats of the bottom member being extended beyond the side edges of the bottom member, means for securing the lower ends of the posts to the extended ends of said front slats, and means for securing the front ends of the arm rests upon the upper ends of the posts.

1,500,339. LOOSE-SHEET BINDER. SAMUEL SMILEY, Jr., Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 14, 1923. Serial No. 625,103. 8 Claims. (Cl. 129—25.)



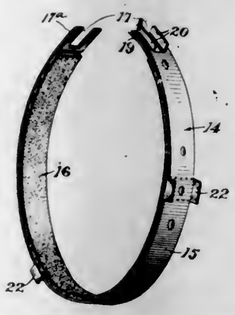
1. In a device of the class described, in combination with a foldable sheet, a tang-carrying member having the tangs thereof projected through the sheet, a second member at the opposite side of the sheet and traversed by said tangs, and means for clampingly fastening said members together.

1,500,340. ROADSIDE WEED BURNER. ARCHIE Y. SMITH, Rocklyn, Wash. Filed June 19, 1922. Serial No. 569,526. 2 Claims. (Cl. 126—271.2.)



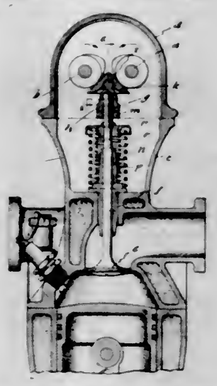
1. The combination with a vehicle, as described having a suspending frame including spaced posts, of a burner apparatus including a horizontally disposed, vertically adjustable hood slidably connected to said posts, means for counterbalancing the weight of the apparatus, means for elevating the apparatus, flame projectors carried by the hood, and flexible flaps on said hood.

1,500,341. TRANSMISSION RELINING BAND. DOUGLAS B. SMITH, San Francisco, Calif. Filed Sept. 24, 1923. Serial No. 664,363. 4 Claims. (Cl. 188—249.)



2. A liner for a planetary transmission band, said liner being capable of being inserted into place without disassembling said transmission, said liner comprising a lined flexible band having sloted ends to coincide with the slotted ends of the transmission band, aligning lugs formed at one of said slotted ends of the flexible band, said lugs being adapted to engage the sloted opening in one of the lugs of said transmission band, and a plurality of guide members fixed to the band at a plurality of points around the circumference thereof for engagement with the sides of the transmission band to guide the liner when it is being positioned and to maintain the liner correctly positioned on said transmission band, said guide members comprising flat members extending transversely of the flexible band, the ends of said flat members being bent outwardly so as to extend radially from opposite sides of the flexible band.

1,500,342. VALVE CONSTRUCTION. MILTON H. SMITH, Detroit, Mich. Filed Oct. 29, 1923. Serial No. 671,332. 10 Claims. (Cl. 123—90.)



2. In a valve mechanism, the combination of a longitudinally guided valve and push member, a pair of oppositely rotating cams for thrusting the valve open and so located as to neutralize side thrust on the push member.

1,500,343. POULTRY FEED TROUGH. THOMAS W. SOUTHARD, Kansas City, Mo. Filed Apr. 12, 1922. Serial No. 551,785. 1 Claim. (Cl. 119—61.)



A feed trough of the kind described having two ends and an intermediate channel portion, and a longitudinal V-shaped guard member above and spaced apart from said channel portion and provided at its respective ends with trunnions disposed substantially at the apex of the guard and respectively pivoted in the ends of the trough, substantially as set forth.

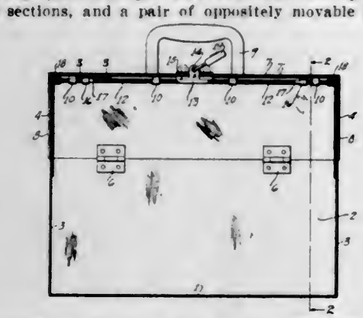
1,500,344. VIEW FINDER. CHARLES F. SPEIDEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 10, 1922. Serial No. 559,846. 9 Claims. (Cl. 88—15.)



2. In a view finder, the combination with a support, including a lens board, of a second support consisting of a bracket, a finder box interposed between the two supports, the bracket being adapted to retain the finder box in position.

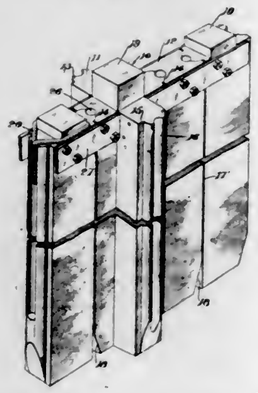
1,500,345. SLIDING LOCK. WILLIAM W. SPURRIER, St. Louis, Mo., assignor of thirty-eight per cent to Ben F. Schuetz, Jefferson City, Mo. Filed June 30, 1922. Serial No. 571,986. 5 Claims. (Cl. 292—32.)

1. The combination with a container comprising a body and having end walls and a pair of oppositely swingable top sections, of means for releasably locking said sections together and to said end walls, said means including locking eyes fixed upon said end walls and upon one of the sections, and a pair of oppositely movable lock bars



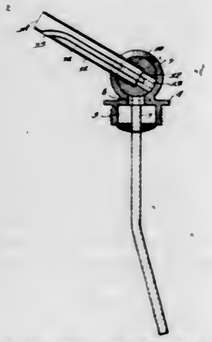
mounted for slidable movement upon the other of said sections and adapted for engagement with said eyes.

1,500,346. CONCRETE PILING. JOHN STOCKFLETH, Crockett, Calif. Filed Apr. 5, 1921. Serial No. 458,790. 13 Claims. (Cl. 61—59.)



1. In a plastic sheet pile construction, a starting pile having a central portion from which a plurality of wings project, certain of said wings being formed with a longitudinally extending groove along their outer edges and certain of said wings being formed with a longitudinally extending tongue along their outer edges.

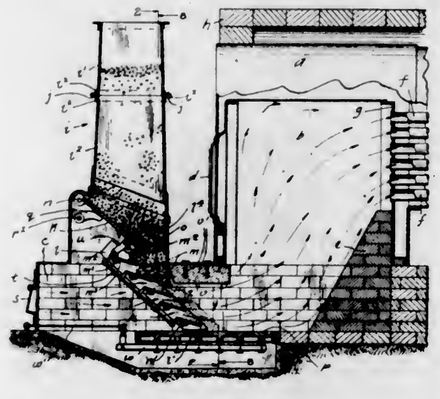
1,500,347. FILLING CAN. JOSEPH STUBBERS, Cincinnati, Ohio, assignor to The Incandescent Light & Stove Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 17, 1922. Serial No. 537,310. 1 Claim. (Cl. 221—28.)



A nozzle for attachment to fuel containers comprising an annular valve seat having an aperture, two ports, and

a cap portion by which it is secured to the container, a rotatable valve member in said annular valve seat having a three-way passage two openings of which are adapted to register with said ports, the third with a portion of said aperture, a filling tube on said valve and rotatable therewith, extending through said aperture and seated in one passage of the three-way opening, an air intake tube extending from a point near the extremity of the filling tube to an opening of the three-way passage which registers with a port in the annular valve seat, an air inlet duct from the last designated port into the fuel container, thereby making two closable passages from the inside of the container to the end of the filler tube isolated from each other.

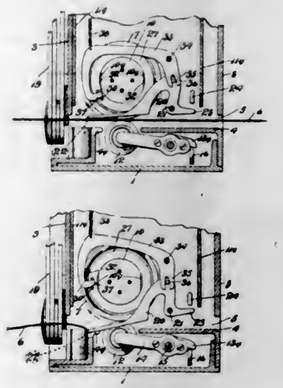
1,500,348. FUEL FEED FOR FURNACES. CLAUD M TACKABERY, Portland, Oreg., assignor of one-half to Joseph W. Baker, Portland, Oreg. Original application filed Oct. 22, 1920, Serial No. 418,723. Divided and this application filed July 11, 1923. Serial No. 650,805. 19 Claims. (Cl. 110—29.)



13. In a furnace, an extension of the fire box of the furnace, such extension provided with a fuel inlet, a fuel distributing-plate hinged in such extension on a transverse axis and adapted for angular adjustment towards the mouth of the throat of the fire box, an inclined grate extending to the floor of the extension of said fire box, said grate being hingedly attached to the free end of said distributing plate thus adapted for angular adjustment, said grate consisting of sides and a plurality of plate-like grate-bars pivoted between said sides in steps spaced one above the other and descending towards the throat of the fire-box and being inclined downwardly towards said throat, said steps provided respectively with a pendent fixed arm, a bar connecting such arms, a link connecting one of said steps with said distributing-plate, the point of such connection being located relative to the axis of the hinge connecting said distributing-plate with the grate, so that moving the distributing plate will relatively move the grate-bars and maintain the latter at a constant angle with a horizontal plane, means for angularly adjusting the distributing-plate, and therewith said grate, thereby to regulate the size of the mouth of the throat of the furnace.

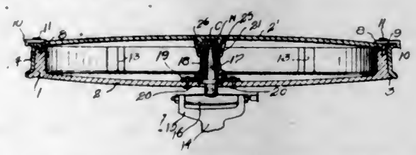
1,500,349. ANTISPINNING DEVICE FOR CLOTH-MEASURING MACHINES. ANTHONY VANDERVELD, Grand Rapids, Mich. Filed Nov. 25, 1922. Serial No. 603,382. 10 Claims. (Cl. 33—133.)

1. In a machine of the class described, a measuring roller adapted to be driven by frictional contact of cloth therewith, brake means associated with said roller, and means for operating said brake means to operative or inoperative position, said last mentioned means being moved to one position by cloth passing thereunder to operate said brake means to inoperative position and released



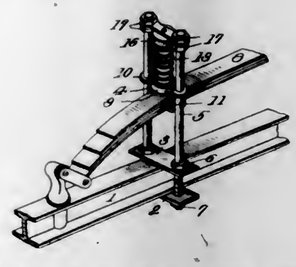
on the passage of the cloth at its end therefrom for movement to another position to operate said brake means to operative position, substantially as described.

1,500,350. VEHICLE WHEEL. FRED M. VANSICKLE, Lewiston, Idaho. Filed Sept. 1, 1923. Serial No. 660,616. 5 Claims. (Cl. 301—63.)



3. The combination with a disk wheel having a rigid hub sleeve and a head on the sleeve, of a cover plate for said wheel, a pair of latches pivoted at the inner side of said cover plate for engagement with said head, and means whereby said latches may be disengaged from the exterior of the cover plate.

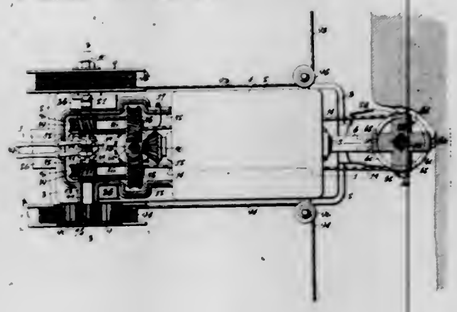
1,500,351. SHOCK ABSORBER. STANLEY J. VESELY, Cedar Rapids, Iowa. Filed Apr. 21, 1921. Serial No. 463,105. 1 Claim. (Cl. 267—28.)



A shock absorber for motor vehicles comprising a pair of plates having apertured ends adapted to embrace a fixed element of a vehicle, a pair of bolts extending through the apertures of said plates carrying nuts to each side of said plates for securing said plates over said fixed element and for supporting said bolts in vertical pending yoke extending under the spring of the vehicle, a plate having apertures slidably mounted on said bolts above the spring of the vehicle, said plate having a depending loke extending under the spring of the vehicle, a

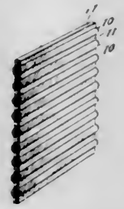
cup formed on said plate, a coil spring seated in said cup having its ends secured therein, a second plate adjustably mounted on the upper ends of said bolts having a cup to receive the upper end of said coil spring and means for securing the upper end of said coil spring in said cup.

1,500,352. COAL-MINING MACHINE. JAMES WALKER, Nettleton, Pa. Filed Feb. 4, 1921. Serial No. 442,501. 5 Claims. (Cl. 262—24.)



1. A coal mining machine of the character described, comprising a base slidable over the mine floor, a power unit securely mounted upon said base to move therewith, a rotary cutting head supported upon and in advance of said power unit to rotate on a vertical axis, a pair of oppositely disposed winding drums loosely mounted upon horizontal axes, cables secured to said drums and to predetermined fixed points within the mine, transmission means for applying power from the power unit to the rotary cutting head and the drums, and means for retarding rotation of the drums as to cause bodily movement of the machine over the mine floor diagonally forward, straight forward or laterally.

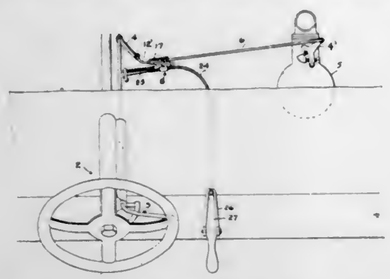
1,500,353. SEPARATOR. THEODORE A. WILLARD, Cleveland Heights, Ohio. Filed Feb. 17, 1921. Serial No. 445,673. 6 Claims. (Cl. 204—29.)



4. A separator composed of a body of porous material extending in the general direction of the plane of the separator, with rubber as a binding agent arranged at intervals in the porous material.

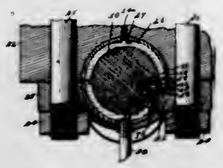
1,500,354. ACCELERATOR. LLOYD M. WILLIAMS and PERCY J. WILLIAMS, San Francisco, Calif. Filed May 14, 1923. Serial No. 638,801. 12 Claims. (Cl. 74—39.)

1. In an accelerator, the combination with the hand operated crank arm, the throttle valve crank arm and the connecting rod between said arms of the throttle valve controlling mechanism of an automobile, of a member to which an extremity of the connecting rod after being thus disconnected from the hand operated crank arm, is secured, a rod on which said member is slidable having an angularly directed portion pivoted to the hand operated crank arm, a spring mounted on the second named rod and against the action of which said member slides, a pedal mechanism, a tube connected with said



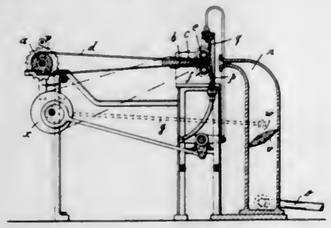
member and a flexible wire extending through the tube having one extremity fastened to one end of said second named rod and its other extremity connected with the pedal.

1,500,355. FORCE-FEED LUBRICATING DEVICE. ROY V. YEAGER, Des Moines, Iowa. Filed July 10, 1923. Serial No. 650,617. 3 Claims. (Cl. 184—31.)



3. A force feed lubricating device comprising in combination a shaft, a bearing in which the shaft is mounted, there being an annular groove between the bearing and the shaft, a force feed blade slidingly mounted in the shaft to project into said groove, a spring for normally holding it outwardly, means for limiting its outward movement, the outer end of said blade being beveled or inclined in a direction outwardly relative to the shaft from its advance side, a cam guide mounted in the bearing and projected into said annular groove, there being a passageway formed in the shaft at a point slightly spaced apart from the force feed blade on the advance side thereof, and means for admitting oil into said groove, said parts being so arranged and combined that when the oil discharge passageways have passed the cam guide, the oil contained in the groove between the cam guide and the force feed blade will be prevented from escaping and will serve to force the force feed blade inwardly into the shaft to prevent its striking upon the cam guide.

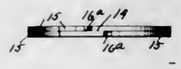
1,500,356. MACHINE FOR REMOVING BRISTLES FROM SKINS OR HIDES. ARTHUR GUSTAV ZEUMER, Markranstadt, Germany. Filed Dec. 5, 1923. Serial No. 678,700. 1 Claim. (Cl. 149—25.)



In a machine for removing bristles from skins or hides, the combination with a rotary shaft, a horizontally lo-

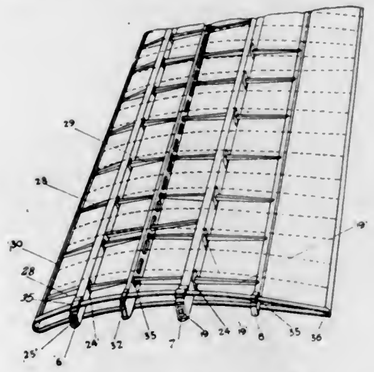
cated stretching-board having a pointed outer edge, a stepwise moved endless ribbon led around said shaft and board and adapted to receive the skin or hide to be treated thereon, and a pair of brushes, one above and the other below the pointed outer edge of said stretching-board; of a long narrow suction nozzle directly in front of the pointed outer edge of said stretching-board, and means to control the bore of said nozzle in dependence upon the advance of said endless ribbon; substantially as and for the purpose set forth.

1,500,357. PISTON RING. HENRY J. ANDERSON, Minneapolis, Minn., assignor, by direct and mesne assignments, to E-Z Manufacturing Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 11, 1920. Serial No. 430,093. 2 Claims. (Cl. 74—109.)



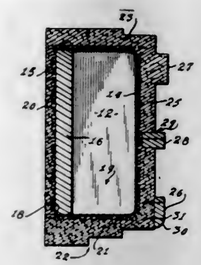
1. A piston ring made in one piece split circumferentially to form free body portions that lap side by side throughout the greater portion of the ring, leaving a short unsplit rigid body portion, said body portion and the ends of said split free portions of said ring having co-operating straight beveled surfaces that overlap and converge radially of the ring, the beveled surfaces on said rigid body portion being at opposite ends thereof and laterally offset and inclining in opposite directions so that the free ends of said ring, under contraction of the ring, will be forced in the same direction radially of the ring and both ends of said ring will be forced radially outward against the walls of a cylinder in which said ring is applied.

1,500,358. AEROPLANE. GUIDO ANTONI and UGO ANTONI, Florence, Italy. Filed May 19, 1923. Serial No. 640,061. 3 Claims. (Cl. 244—12.)



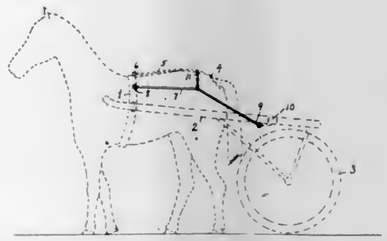
1. An aeroplane with resilient wings, ribs composed of resilient frames forming the structure of said wings, disjunctions in said frames to allow one frame to slide on the other, bracket connections of said ribs with the longérons of the wings, transversal shafts on said wings, arranged longitudinally thereon, levers mounted on said shafts and interconnected to one another, arms of said levers extending forwards and rearwards within the body of said wings, and acting respectively on a forward longéron and a rear longéron of said wing, means to exert an angular rotation on said levers.

1,500,359. FRAME CONSTRUCTION FOR WINDOWS, DOORS, AND THE LIKE. JOHN F. AULD, Santa Monica, Calif. Filed Mar. 5, 1923. Serial No. 622,839. 3 Claims. (Cl. 72—98.)



1. In a frame of the character described, a hollow transverse frame element, a pair of spaced vertical hollow cement frame elements, a lower transverse hollow cement frame element, a reenforcing block of wood in each end of said upper transverse element; each forming a closure for the respective ends, a reenforcing block of wood in the upper end of each of the said vertical elements, and a reenforcing block of wood in each end of the lower transverse frame elements; each forming a closure for the respective end; each end of the upper transverse element capable of being placed in abutment with the upper end of a corresponding vertical element, and each lower end of the said vertical elements capable of being placed in abutment with the respective end of said lower transverse element.

1,500,360. HARNESS. LEWIS HOMER BOYLE, Beloit, Ohio. Filed Dec. 26, 1923. Serial No. 682,627. 3 Claims. (Cl. 54—2.)

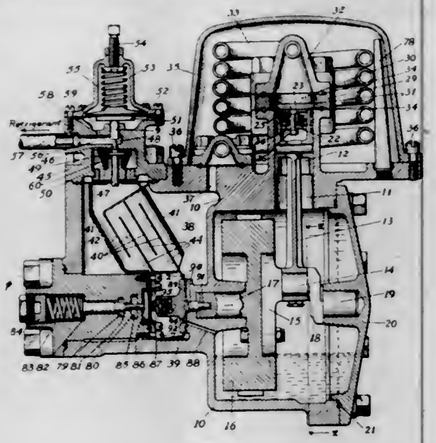


3. In a harness for hitching horses to light wagons, comprising a saddle and a pair of traces attached thereto and having their rear ends joined and adapted to be secured to a transverse member of the vehicle, and a cross-strap extending across the back of the animal at about the point of the hip and attaching at its ends to the traces at about the height of the hip joint, the portions of the traces forward of such points of attachment of the cross-strap being substantially horizontal and the portions in the rear of said points of attachment lying against and around the thighs of the animal.

1,500,361. PUMP LUBRICATION MECHANISM. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 24, 1920. Serial No. 360,882. 8 Claims. (Cl. 230—6.)

1. In pump mechanism, a high pressure chamber and a low pressure chamber, an oil duct leading from the

former to the latter, and a rotating element in said high pressure chamber normally closing said duct but



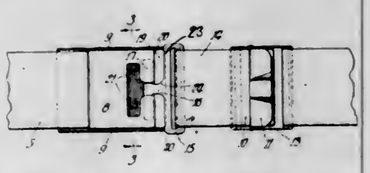
provided with an oil pocket adapted to come into registration periodically with said duct.

1,500,362. BELT BUCKLE. SAMUEL BUCHSBAUM, Chicago, Ill. Original application filed Jan. 31, 1921, Serial No. 441,232. Divided and this application filed Aug. 4, 1921. Serial No. 489,857. 3 Claims. (Cl. 24—191.)



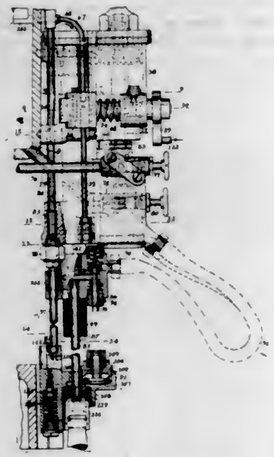
2. A belt buckle of the character described comprising a curved sheet metal front plate having side flanges, a curved sheet metal clamping plate positioned between the side flanges of said front plate, said clamping plate being of sharper curvature than said front plate and having its convex side toward said front plate and being mounted for movement toward and away from said front plate by means of a pin and slot connection, and means for moving said clamping plate toward said front plate comprising an angular clamping lever engaging said clamping plate on the concave side thereof at one end thereof and being provided with belt gripping means at the other end thereof.

1,500,363. THREE-PIECE BUCKLE. SAMUEL BUCHSBAUM, Chicago, Ill. Filed July 13, 1922. Serial No. 574,704. 11 Claims. (Cl. 24—78.)



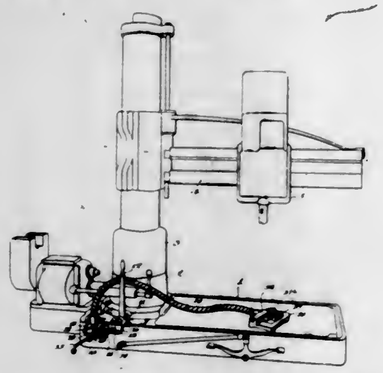
1. A device of the character described, comprising a front plate, a member pivotally mounted on said front plate and having gripping means adapted to clamp one end of a belt between itself and said front plate, said member having a free end portion adapted to engage said front plate and means on the other end of said belt detachably engaging said member, whereby the tension on said belt tends to swing said member toward said front plate.

1,500,364. BOTTLE FILLING AND SEALING MACHINE. AMOS CALLESON, Brooklyn, N. Y. Filed Aug. 9, 1920. Serial No. 402,230. 12 Claims. (Cl. 226—98.)



3. In combination, with a valve-support, means yieldable therein under pressure of a container exerted on said means toward the support for forming with the container a sealed space, and a valve carried by the support, said means having an inlet, controlled by said valve, for delivering fluid to said space and also having a valve-controlling detector movable therein by the pressure of the fluid in said space and adapted when so moved and on yielding of said means to engage and actuate the valve.

1,500,365. TRANSPORTABLE THROTTLE DEVICE. JACK C. CARLTON, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 546,138. 4 Claims. (Cl. 77—28.)

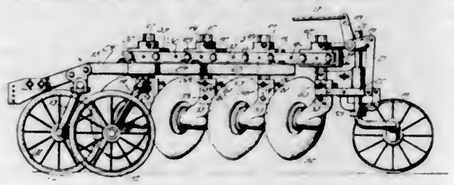


1. A radial drill column clamping device comprising a fluid motor operated clamp, a fluid motor, a transportable throttle for controlling fluid pressure to and exhaust from said motor, a flexible primary supply conduit extending from the motor to the throttle and communicating with said throttle, secondary flexible conduits attached to said motor and throttle communicating with both, and alternately with said primary conduit through said throttle, and a flexible protecting cable enclosing all conduits and attached at opposite ends to said motor and throttle.

1,500,366. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 12, 1923. Serial No. 631,697. 4 Claims. (Cl. 106—40.)

4. A composition of matter comprising 1 part of water-insoluble ethhyl cellulose dissolved in from 4 to 6 parts by weight of a mixed solvent, said mixed solvent comprising 3 parts by weight of methyl acetone to 1 part by weight of ethyl acetate.

1,500,367. IMPLEMENT FRAME. ROBERT C. CAUGHEY, Dixon, Ill., assignor, by mesne assignments, to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation of Wisconsin. Filed July 12, 1919. Serial No. 310,397. 5 Claims. (Cl. 97—53.)



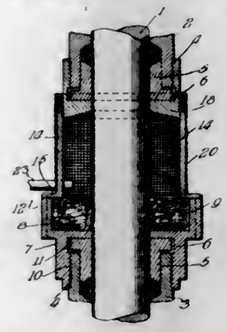
1. In an agricultural implement, the combination of a frame having a pair of upright flanges mounted transversely thereon, a plurality of socket members interposed between the flanges and adjustable therebetween at optionally spaced intervals, means for adjusting one of the flanges toward the other so as to closely confine the socket members therebetween, stub beams vertically adjustable in the socket members and earth turning bodies secured to the lower ends of the stub beams.

1,500,368. VENTILATOR. ALEXANDER CHUPA, Livingston Manor, N. Y. Filed Feb. 23, 1924. Serial No. 694,684. 1 Claim. (Cl. 98—27.)



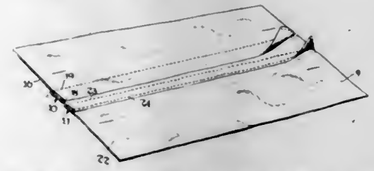
A ventilator for chicken houses and the like, comprising a sill, uprights rising from said sill, a top cross-piece, an outside partition located above said sill but terminating some distance below said top cross-piece, thus affording an air inlet opening above said partition, a cloth screen attached to the inside of said top cross-piece and said uprights and extending downward a considerable distance below the said air inlet opening but terminating some distance above the said sill, thus affording an inlet to permit the passage of entering air into the room of the building, a roof between which and said top cross-piece is an air outlet opening, and a depending baffle board in front of and serving as a protector to the said air outlet opening, said baffle board assisting in a proper ventilating circulation.

1,500,369. LUBRICATOR. NICHOLAS J. COONEY, Chicago, Ill. Filed Oct. 12, 1922. Serial No. 594,105. 7 Claims. (Cl. 286—13.)



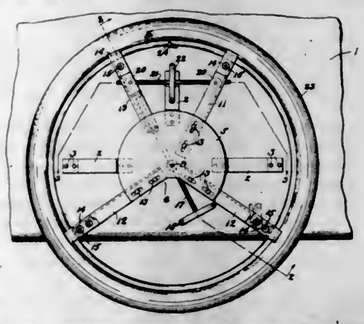
1. A lubricator for a reciprocating element comprising a hollow member having a threaded portion surrounding said element, a tubular member within said member and slidably encircling said reciprocating element and provided with a threaded portion at one end engageable with said first-mentioned threaded portion, said hollow member constructed to permit a limited axial movement of said second-mentioned member when assembled, but preventing the accidental separation thereof.

1,500,370. REVERSIBLE CUFF. WILLIAM R. CORNELIUS, Nashville, Tenn. Filed Oct. 24, 1923. Serial No. 670,561. 7 Claims. (Cl. 2—79.)



1. A soft cuff comprising a foldable, flexible body portion formed of a pair of complemental sections having arranged therebetween and secured therewith an interlining, said inter-lining having two spaced pairs of lengthwise extending folds providing a pair of offset portions arranged on opposite sides and spaced from the bend formed in the cuff body when the latter is folded.

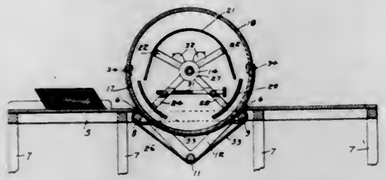
1,500,371. TIRE CARRIER AND RIM REMOVER. THOMAS COSGROVE, Jr., and NILES A. SPONSELLER, Canton, Ohio. Filed Apr. 17, 1922. Serial No. 554,174. 3 Claims. (Cl. 224—29.)



2. A rim remover including a plate, fixed radial arms thereon, a swiveled bearing upon the plate, a screw lo-

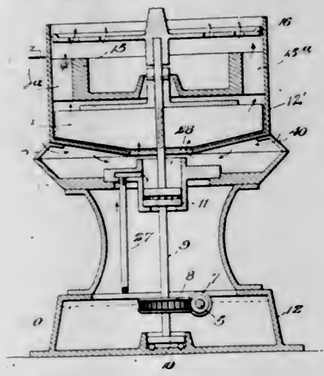
cated through the bearing, an arm carried by the screw, means upon all of the arms for engaging a tire rim, and a screw for oscillating the last named arm.

1,500,372. PHOTOGRAPHIC MACHINE. MALCOLM L. COSSITT, San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Jan. 26, 1920. Serial No. 354,211. 6 Claims. (Cl. 95—77.5.)



1. In a photographic machine, the combination of a support, a drum rotatable on said support, said drum having a transparent portion, a light within the drum, a shaft within said drum, means for rotating said drum, a travelling web approximating said drum, a reflector supported on said shaft, shutters mounted on said shaft and serving to limit the area of illumination of said drum, and further to prevent rotation of said reflector on said shaft.

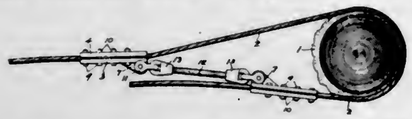
1,500,373. OIL BURNER. ADELARD COUTURE, Warren, R. I. Filed July 28, 1923. Serial No. 654,426. 5 Claims. (Cl. 158—28.)



3. In an oil burner, a casing having air inlets, a fixed air diverter in the casing, spaced curved blades between the diverter and the inner face of the casing forming substantially vertical passages open at their upper and lower ends, a rotary perforated oil receiving member above the diverter and blades, and a fan beneath the diverter, means to supply oil to the top of the oil receiving member, and means to rotate the fan and said member.

4. In an oil burner, oil burner means including a rotary member, an electric motor for driving said member, a governor operated by the motor, a source of electrical supply, manual control means for the motor, means to electrically connect the source of supply to the motor, governor and said manual means whereby upon initial movement of said manual means in one direction the latter will pass the current directly through the motor to start same and upon a second movement in a different direction will subsequently divert the current to cause same to pass through the governor and then the motor and means whereby upon failure of the current supply the governor will break the electrical connection to the motor and stop the latter thereby to require said initial movement of the manual means to restart the motor.

1,500,374. GUY-LINE CLAMP. HENRY P. COX and HENRY D. DANIELS, Portland, Oreg. Filed Nov. 12, 1923. Serial No. 674,355. 2 Claims. (Cl. 24—125.)



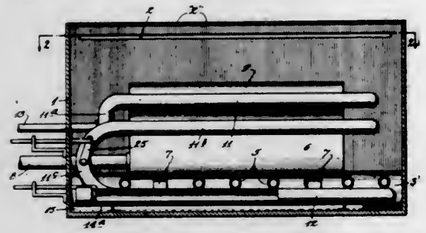
1. In a guy line clamp, the combination of illustrated parts as follows; the two pairs of opposing plates having opposing longitudinal grooves therein, an integral eye lug on one plate, also means to secure said plates to each other about a line extending between them within the grooves, the clevis pivotally mounted in the lug eyes, and the link having closed sockets at each end connected with the clevis on the opposing plate, said apparatus being adapted to allow the plates to be adjusted about opposing parts of a guy line when the same has been extended about a holding object to form a loop.

1,500,375. SPRING BUMPER FOR MOTOR VEHICLES. ERNEST G. DANN, Chicago, Ill. Filed Dec. 14, 1922. Serial No. 606,795. 3 Claims. (Cl. 293—55.)



1. In an article of the character described, the combination of a resilient impact bar, a supporting bar of spring material pivotally connected at its ends with said impact bar, a unit of spring material, and means for attaching said unit to said impact bar and said supporting bar at central points, respectively.

1,500,376. APPARATUS FOR BURNING LIQUID FUEL. MICHAEL G. DELANEY, New York, N. Y., assignor, by direct and mesne assignments, to Delway Heaters, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,423. 15 Claims. (Cl. 158—56.)

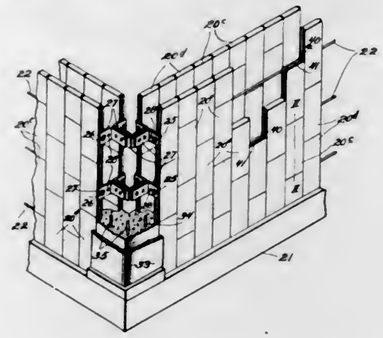


1. The combination with a generator; of a burner located beneath the generator and consisting of a continuous pipe bent to form a plurality of pipe loops having jet openings spaced throughout their lengths, each loop extending substantially under the entire area of the generator, and a valve at the junction of said loops for cutting off one of said loops.

9. In a burner apparatus having a burner tube, a water container, having an inlet and an outlet, a mixing chamber, means for feeding water to the container and liquid fuel to the mixing chamber, means for mixing the vapors arising from the water and liquid fuel in their passage to the burner tube, a pipe convolution lying above the burner tube and communicating with the mixing means and forming a superheater for the mixed vapors, said pipe convolutions communicating at one end with the mixing means and at the other end with the burner tube, a hood entirely surrounding the burner tube, the mixing means and the pipe convolution and having flame openings in its upper part, pipes leading through said hood from end to end on each side of the burner tube and opening outwardly at the ends of the hood, and jet nozzles extending from said pipes inwardly toward the center of the hood.

15. The method of burning liquid fuel and water which consists in vaporizing a controlled supply of water, adding a controlled supply of liquid fuel thereto, superheating the mixture, completely confining and partially burning the resultant gases in the presence of preheated air, supermixing the burning gases by applying jets of air thereto, and passing the supermixed gases into the exterior atmosphere for final combustion.

1,500,377. WALL CONSTRUCTION. DAVID W. DODSON, Wichita, Kans. Filed Mar. 7, 1921. Serial No. 450,266. 4 Claims. (Cl. 72—26.)



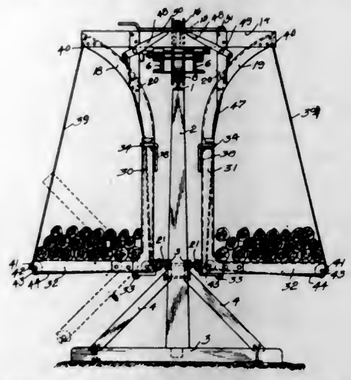
1. A building wall construction comprising a curtain wall structure consisting of a plurality of sets of vertically alined slabs assembled in wall form with the slabs of adjoining sets in staggered relation, anchoring rods embedded in said slabs in the plane of the wall and acting to retain the same in upright position, said rods being threaded through the intermediate portions of the slabs of every other set and also intersecting the abutting ends of the slabs of the remaining sets and said ends being formed with grooves for accommodating said rods, and tightening means connected with said rods and operative to clamp said slabs securely in assembled relation.

1,500,378. PROCESS OF BLEACHING FIBROUS MATERIAL. VIGGO DREWSEN, Brooklyn, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1921. Serial No. 505,622. Renewed Feb. 2, 1923. 7 Claims. (Cl. 8—2.)

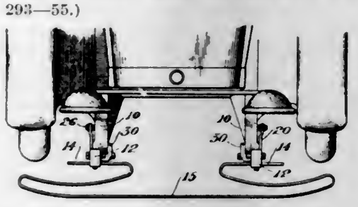
1. The process of bleaching wood fibre cellulose material that has been produced by the digestion of raw vegetable fibre with soluble monosulphite solution, which comprises treating the washed fibre while suspended in water with chlorine and simultaneously agitating the same, washing out the chlorination product thus formed and further bleaching the fibre with bleaching powder as an after-bleach.

1,500,379. OVERHEAD RAILWAY. ANDERS JOHAN ENGLUND, Spokane, Wash. Filed Jan. 11, 1924. Serial No. 685,711. 8 Claims. (Cl. 105—145.)

1. The combination with a railway truck, of a transversely arranged supporting member thereon, means on the truck whereby said member is permitted to swing in the direction of travel with relation to the truck, laterally disposed carriers supported from said member, and means for shifting said member transversely of the truck for counterbalancing the weight of the carriers.

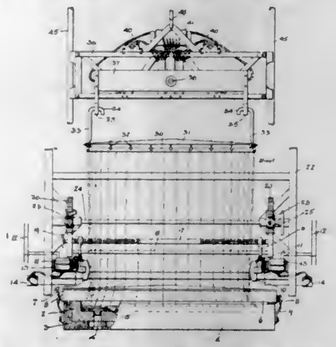


1,500,380. BUMPER MOUNTING. ROLLIE B. FAGEOL, Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,071. 7 Claims. (Cl. 293—55.)



2. A bumper mounting comprising a pair of clamping plates adapted to be disposed upon opposite sides of a vehicle frame horn, means for clamping said plates against the opposite sides of the horn to rigidly secure the head to the frame, and means substantially maintaining the plates in parallelism comprising adjustable means interposed between the forward ends of the plates.

1,500,381. METHOD OF AND APPARATUS FOR DRAWING SHEET GLASS. ROBERT L. FRINK and FRED J. FRINK, Lancaster, Ohio. Filed Jan. 14, 1920. Serial No. 351,380. 20 Claims. (Cl. 49—17.)

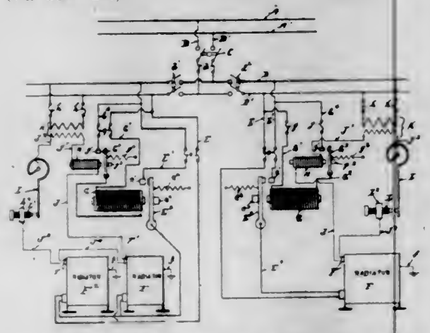


7. The herein described method of drawing sheet glass, which consists in lowering into and raising from a bath of molten glass a rectilinear bait-member, and at the same time maintaining the side edges of said sheet

adjacent the bath in adhesive contact with members normally stationary relatively to said sheet, and spaced from the surface of said bath, whereby the width of the sheet is maintained substantially constant.

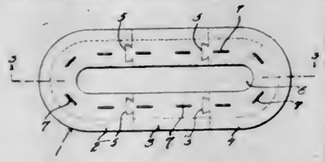
11. In apparatus of the character described, the combination with a bath of molten glass, of a vertically reciprocable, horizontally disposed, angularly adjustable rectilinear bait member adapted to be lowered into and raised from such bath, said bait member having a coefficient of expansion different from that of glass, and means adapted to pass a heating electric current through said bait member as it is raised.

1,500,382. TEMPERATURE-CONTROLLING SYSTEM. JAMES E. GANNON and MONTAGUE W. WARD, Erie, Pa. Filed Oct. 19, 1922. Serial No. 595,609. 4 Claims. (Cl. 219—20.)



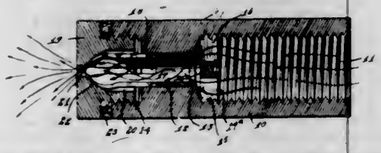
1. In a thermostatic control for electric heating device, the combination with the main high voltage electric circuit and heating element connected therewith, a make-and-break device adapted to open and close said circuit, a shunt circuit connected to the said main circuit, a make-and-break device in said shunt circuit, and a low voltage circuit, an electromagnetic device in said low voltage circuit adapted to operate the make-and-break device in said shunt circuit, and a thermostatic circuit opening and closing device in said low voltage circuit.

1,500,383. KNITTING DEVICE. WILLIAM J. GOURIE, Philadelphia, Pa. Filed Aug. 26, 1922. Serial No. 584,586. 2 Claims. (Cl. 66—31.)



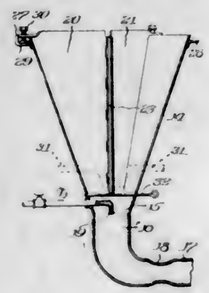
1. A knitting device including a body provided with an oblong slot and a series of loop holders fixed to the body and surrounding the slot, the body consisting of detachable sections connected by dove-tail joints whereby its length may be increased or decreased.

1,500,384. NOZZLE FOR PAINT SPRAYING. RALPH J. HAGERMAN, Cedar Rapids, Iowa. Filed Apr. 25, 1922. Serial No. 556,501. 1 Claim. (Cl. 299—120.)



A spraying nozzle comprising a nozzle body having a central passageway through it, and a reduced opening at the discharge end, a hollow adjustable current regulating member through which liquid flowing through the nozzle may pass and provided with a reduced portion at its discharge end, means for adjusting the size of the passageway through said reduced end, and a disk having diagonal slots extended through it for imparting a whirling motion to the liquid, said disk being located in the nozzle between the current regulating member and the receiving end of the nozzle.

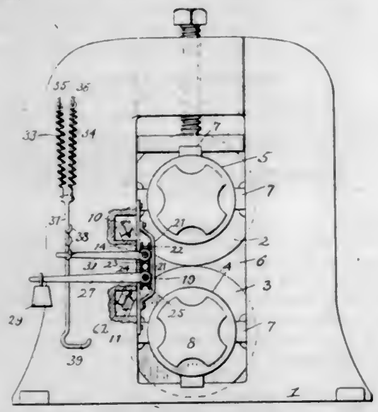
1,500,385. METHOD OF AND APPARATUS FOR MIXING MATERIALS. ERLE P. HALLIBURTON, Duncan, Okla. Filed Jan. 4, 1924. Serial No. 684,379. 27 Claims. (Cl. 83—73.)



1. A mixing device comprising an upright substantially cylindrical mixing chamber, a lateral outlet conduit having therein a constricted zone, means for introducing a jet of liquid at high velocity into said upright mixing chamber, such introduction being in the direction of flow of the mass at the point of such introduction, means for delivering solid pulverulent material directly into said mixing chamber.

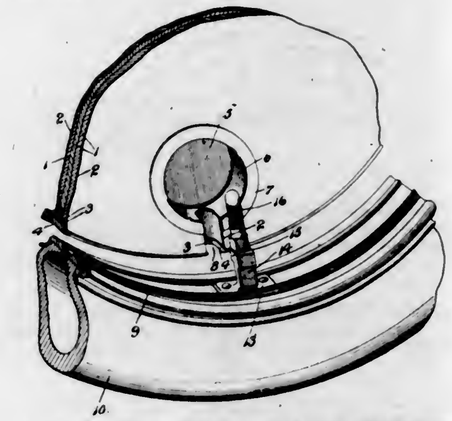
21. The process of hydrating and synchronously delivering cement for use, which comprises introducing cement into the path of a high velocity stream of water in a zone of reduced pressure, conducting the mixture to a container to permit the dissipation of freed air, and synchronously conducting the cement from the container to the point of use.

1,500,386. ROLL GRINDING AND POLISHING DEVICE. HENRY J. HARRIS, Youngstown, Ohio. Filed May 28, 1923. Serial No. 641,888. 14 Claims. (Cl. 80—1.)



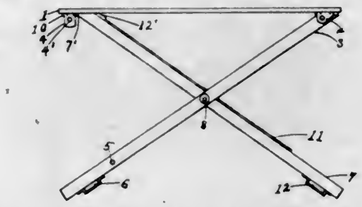
1. A roll polishing device for rolling mills, comprising a flexible bar adapted to conform to the longitudinal curvature of the surface of the roll, and means for yieldingly pressing the bar against the roll.

1,500,387. MOTOR VEHICLE WHEEL CONSTRUCTION. AUGUSTIN HENDRICKS, Grand Rapids, Mich. Filed Dec. 31, 1921. Serial No. 526,271. 8 Claims. (Cl. 301—63.)



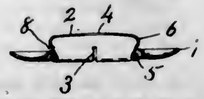
1. In combination, a wheel rim, a tire casing thereon, an air tube within the casing, a valve stem attached to the tube and passing through the rim, and a member comprising a base having an opening to receive the valve stem, a radially extending post from the base at one side thereof and a lug at the outer end of the post, said base being permanently secured to the rim, and said stem passing through the base and lug.

1,500,388. FOLDABLE FURNITURE COMBINATION. CHRISTIAN HEUMADER, St. Joseph, Mo. Filed July 19, 1921. Serial No. 485,823. 1 Claim. (Cl. 45—11.)



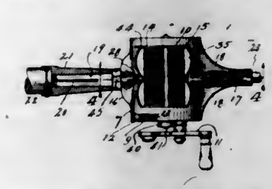
In a foldable table, a top, pairs of crossed legs at opposite sides of the table top and with one leg of each pair hinged to one end of the top, a stop depending from the other end of the top and adapted to receive the upper ends of the other crossed legs thereagainst to support the table in set up position, said crossed legs being pivotally connected in independent pairs, cross braces secured against the lower edges of said legs and adapted to support a folded chair thereon between the legs, and braces secured across the upper edges of the legs which engage said stop for engagement with the upper side of the folded chair when the legs are collapsed, said braces being spaced apart the width of said legs to provide an uninterrupted compartment from end to end of the structure.

1,500,389. SNAP FASTENER. GEORGE A. HOLMES, Newton Center, Mass., assignor to United States Fastener Company, a Corporation of Maine. Filed Apr. 26, 1921. Serial No. 464,521. 1 Claim. (Cl. 24—216.)



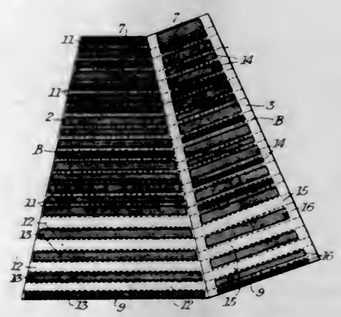
A socket member of a snap fastener consisting of a cup shaped socket piece the side walls of which are convergent from the closed toward the open end of the cup and terminate in an outwardly convex mouth, the external diameter of which is approximately the same as that of the base of the cup, the said side walls and mouth being split and adapted to yield inwardly or outwardly, combined with a body piece having an opening of smaller diameter than the external diameter of the socket mouth and adapted to be assembled with the socket piece by crowding the mouth of the socket piece through the opening of the body piece.

1,500,390. REEL HOLDER FOR FISHING RODS. PAUL H. HUSSEY, Indianapolis, Ind. Filed Apr. 19, 1923. Serial No. 633,302. 2 Claims. (Cl. 43—20.)



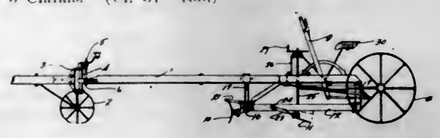
1. The combination with a fishing rod, a reel, and a holder in which the reel is rotatably mounted comprising end disks connected by rods, of a cylindrical body to which the line end of the rod is joined diametrically of the cylinder on one side, and to which the handle-end is joined on the diametrically opposite side, and in which the holder and reel are removably held, a lever pivoted at one end to the cylindrical body and having a notch removably engaging one of the rods of the holder.

1,500,391. CAMERA BELLOWS. CHARLES E. HUTCHINGS, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 28, 1923. Serial No. 648,360. 10 Claims. (Cl. 95—39.)



1. A camera bellows having a series of folds, the folds of certain areas of the bellows differing in thickness from the folds of certain other areas.

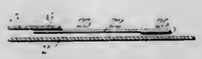
1,500,392. ROAD MACHINE. JAMES B. JARMIN, Spokane, Wash. Filed Apr. 10, 1922. Serial No. 551,317. 3 Claims. (Cl. 37—155.)



1. The combination in a wheeled implement with its main frame, of a flexible substantially U-shaped frame

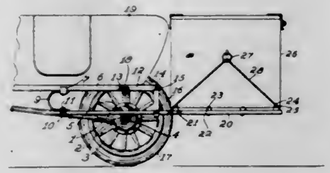
having a central swiveled connection with the main frame at one end and pivotal connections with said frame at the other end, a smoothing bar pivotally supported in the flexible frame, and means for adjusting the pressure of said smoothing bar on the roadway surface.

1,500,393. PHOTOGRAPHIC CARTRIDGE AND METHOD OF MAKING SAME. JOHN G. JONES and HAYWOOD G. DEWEY, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 24, 1922. Serial No. 563,447. 5 Claims. (Cl. 95—9.)



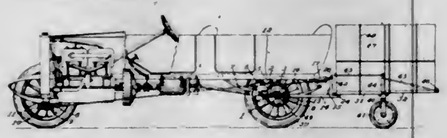
1. A photographic roll film cartridge comprising interwound strips of film and of protective material and a sticker, one portion of which is coated with an adhesive material unaffected by moisture and attached thereby to one end of the film, and another portion of which is free and unattached and coated with an adhesive material capable of being affected by water.

1,500,394. AUXILIARY FREIGHT CARRIER FOR VEHICLES. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed Dec. 7, 1922. Serial No. 605,428. 18 Claims. (Cl. 224—29.)



2. The combination with the rear axle of a vehicle and a frame mounted thereabove, of bars positioned across said axle movably, and linking means movably engaged between the bars and said frame, certain of the linking-means being resilient.

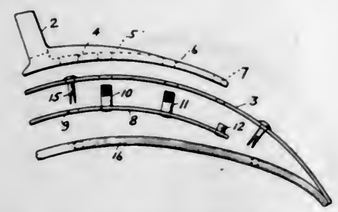
1,500,395. AUXILIARY FREIGHT CARRIER FOR VEHICLES. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed Dec. 7, 1922. Serial No. 605,429. 9 Claims. (Cl. 280—33.44.)



1. The combination with a vehicle having both front and rear axles, of load-carrying bodies mounted on the rear axle projecting to the rear thereof, and connecting-means between said bodies and said front axle to anchor the projections of said bodies against downward movement.

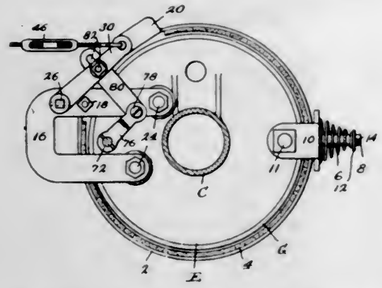
1,500,396. BRAKE AND TRANSMISSION BAND. ARTHUR J. KIAN, Philadelphia, Pa., assignor of one-half to Clara M. Gruber, Philadelphia, Pa. Filed May 21, 1923. Serial No. 640,362. 3 Claims. (Cl. 187—249.)

2. In a band of the character described having openings at one of its ends the combination of an ear member having openings and adapted to overlie the end of the band, a retaining plate detachable from the band and adapted to



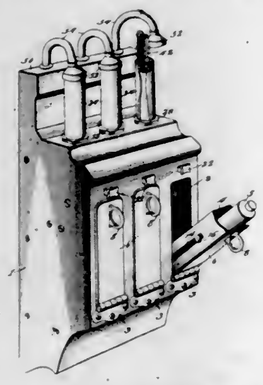
underlie its end, and fastening devices carried by and removable with the plate and adapted to connect and disconnect the plate, band and ear member.

1,500,397. BRAKE FOR MOTOR VEHICLES. JOHN B. KLEIN, Kansas City, Kans. Filed Nov. 22, 1923. Serial No. 676,272. 5 Claims. (Cl. 188—18.)



1. In combination a drum, a braking member adapted to frictionally engage the periphery of said drum, a second braking member adapted to frictionally engage the inner surface of the drum, mechanism for causing one of said braking members to frictionally engage the drum, and means actuated by said mechanism for causing the other braking member to frictionally engage the drum.

1,500,398. SANITARY DENTAL SUPPLY HOLDER. LOUIS KUSNETZ, Chicago, Ill. Filed Sept. 19, 1922. Serial No. 589,041. 6 Claims. (Cl. 45—135.)



1. A cabinet of the class described having an opening in the front, a receptacle hinged to the cabinet and adapted to open and close the opening in it, a stationary receptacle mounted partially within the cabinet and having an opening at the top through which the stored article may be withdrawn, a movable plunger in the fixed receptacle, and connections between the movable receptacle and the plunger whereby as the movable receptacle is swung to open position the plunger will be raised for partially ejecting the article contained therein.

1,500,399. FIRE-ALARM DEVICE. ANTONIO C. LANESE, Cleveland, Ohio. Filed Dec. 7, 1923. Serial No. 679,054. 3 Claims. (Cl. 200—142.)



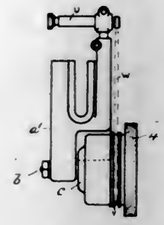
1. A fire-alarm device, comprising a body having a spring and electrical contacts mounted thereon, and provided with an opening adapted to permit a fusible member to be placed in lift engagement with said spring, and a cutting holder for said fusible member mounted upon said body adjacent said opening.

1,500,400. WELL-CLEANING DEVICE. CHARLES LARSEN, Denver, Colo. Filed Sept. 21, 1923. Serial No. 664,130. 3 Claims. (Cl. 166—17.)



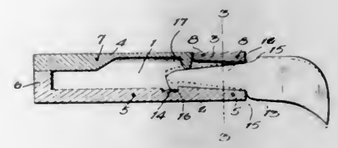
1. Means for heating the interiors of deep wells, which comprises a pump line extending from the top to the bottom of the well; a foot valve at the lower end of said pump line; a cylinder located above said foot valve; a piston in said cylinder; an oil pipe parallel to the pump line, and connected thereto at a point intermediate the foot valve and the piston; means for circulating highly heated mineral oil through said pipe and pump line; a steam pipe passing through the interior of the oil pipe, said pipe having radial openings at the bottom, said openings communicating with the interior of the well; and means for passing superheated steam through said steam pipe into the well.

1,500,401. GRINDING MACHINE. EUGEN LAUER-SCHMALTZ, Offenbach-on-the-Main, Germany. Filed June 23, 1920. Serial No. 391,241. 3 Claims. (Cl. 51—168.)



1. The combination with a field member and a supporting pin therein; of a bell-shaped armature enclosing said field member, a grinding tool directly mounted on the exterior cylindrical portion of said armature, and means on said armature for the reception of a driving belt.

1,500,402. KNIFE. ELIAS LEWIS, Terre Haute, Ind. Filed Nov. 2, 1922. Serial No. 598,628. 3 Claims. (Cl. 30—9.)

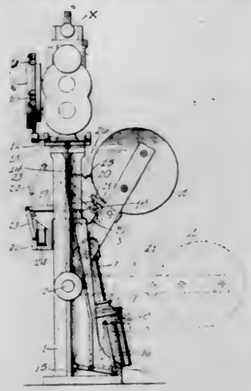


1. A knife comprising a handle including a pair of side plates, filler plates spacing the side plates apart and extending between longitudinal edge portions of the latter, one of said filler plates being co-extensive in length with the side plates and having a right angular portion extending transversely of the side plates at an end thereof, the other of said filler plates having a length less than that of the side plates, and a spring member secured between the side plates in alignment with the shorter filler plate and being in abutting relation adjacent to one of its ends with the right angular portion of the first filler plate, said spring member having an inwardly extending projection at its other end, said first filler plate having a notch in its inner edge, and a blade having a shank insertible between said filler plates into engagement with the projection on the spring member, said shank having a projection adapted to be forced into the notch of the first filler plate by pressure of the spring projection on the shank.

1,500,403. SAFETY CONTROL DEVICE. HENRY H. LOGAN, Chicago, Ill. Filed Aug. 2, 1923. Serial No. 655,322. 16 Claims. (Cl. 187—28.)

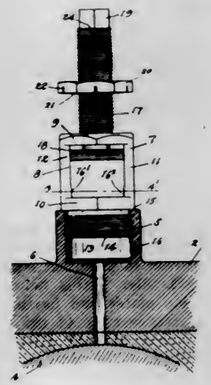
5. A device of the type described comprising a support, a shaft rotatably mounted in said support, a weighted arm rigidly secured to said shaft, a second arm pivotally carried by said support, a magnet adapted to lock said second named arm against movement when said magnet is energized, said second named arm having a recess therein, a hook carried by said weighted arm and adapted to be received in the recess of said

second named arm, and means for controlling the movement of said weighted arm when said weighted arm is



released by said second named arm, said controlling means being adapted to permit said weighted arm to swing rapidly or slowly.

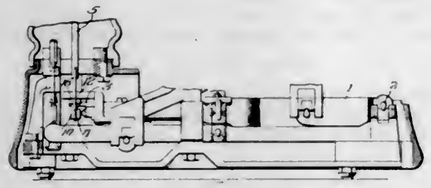
1,500,404. GREASE CUP. FRANK JAMES LOZO, Saskatoon, Saskatchewan, Canada. Filed June 1, 1920. Serial No. 385,719. 2 Claims. (Cl. 184—38.)



2. A grease cup comprising an internally threaded collar a body formed with a lower cylindrical portion externally threaded for engagement with said collar and an upper portion octagonal in cross section having opposite wall portions cut away to provide a wrench hold and a pair of filling openings at opposite sides of the wrench hold, said body being formed with an internal thread extending from the lower extremity of the annular portion to a point above the lower edge of the filling openings, a feed plunger formed with a peripheral thread engaging the internal thread of said body and an actuating stem threaded through the upper end of the body and secured to said plunger.

1,500,405. THERMOSTATICALLY-ADJUSTED SCALE LEVER. GEORGE M. LUDLOW, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1923. Serial No. 643,140. 17 Claims. (Cl. 265—69.)

1. A scale lever having a load transmitting toe piece adjustable longitudinally of the lever, and a ridge and groove bearing through which the lever transmits its load to the toe piece, extending in the direction of the



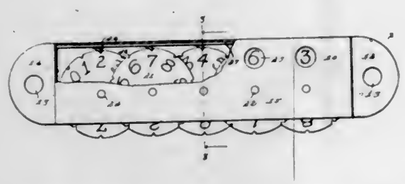
length of the lever and permitting movement of the toe piece relatively to the lever in said direction while resisting its displacement transversely thereto.

1,500,406. COLLAPSIBLE HACK SAW. ERASTUES W. MCINTIRE, Salt Lake City, Utah. Filed Nov. 20, 1922. Serial No. 602,162. 7 Claims. (Cl. 145—33.)



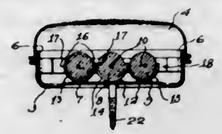
1. A saw comprising a frame, a lever pivoted to the frame, a blade connected at one end to the frame remote from said lever, and a link connected at one end to the lever eccentric of the lever pivot and at the other end to the other end of said blade, so that when the lever is swung on its pivot to tension said blade, it will move the link into a firm engagement with the frame at a point on the link between the connections of the same to the lever and blade.

1,500,407. MILEAGE REGISTER. JOHN P. MCLAVEY, Iowa Falls, Iowa. Filed Sept. 12, 1923. Serial No. 662,248. 4 Claims. (Cl. 235—114.)



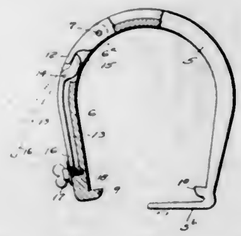
1. A register having a body portion formed of a single piece of material provided with a back and top edge and a front plate and a bottom edge member, said bottom edge member being turned inwardly to form a spring, a series of numeral wheels pivotally mounted between the said inwardly extending portion and the front plate, each of said numeral wheels being provided with a series of notches in its edge, a spring plate adjacent to the inner edge of said wheels, said plate being provided with a series of spring members, one for each of said wheels and designed to engage the notches when the wheels have been placed in a predetermined position.

1,500,408. AUTOMATIC FIRE ALARM. ALBERT S. MARTIN, East Burlington, N. J. Filed Dec. 18, 1922, Serial No. 607,627. Renewed Apr. 20, 1924. 6 Claims. (Cl. 116—105.)



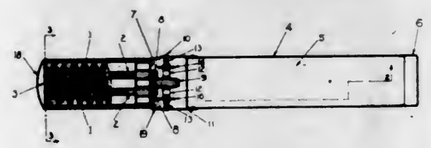
5. An automatic fire alarm comprising a casing having a series of openings therein, an inside cover for said openings, a two-part inflammable ring within the covering, detonating elements adapted to be exploded by the ignition of said inflammable ring and a resilient holder for said detonating elements.

1,500,409. ATTACHMENT FOR AUTOMOBILE WHEELS. PERRY O. MELTON and M. C. LASELL, Aberdeen, S. Dak. Filed Jan. 23, 1923. Serial No. 614,442. 6 Claims. (Cl. 152—14.)



2. A device of the character described of general horseshoe shape having inturned ends and made in two sections hingedly connected to each other, a locking tongue carried by one of said sections and comprising a nose adapted to engage beneath an overhanging part upon the other of said sections and a tail portion and means for holding said tail portion against outward movement.

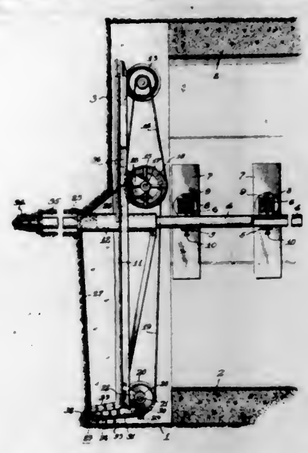
1,500,410. TOOTHBRUSH. JOHN MERKEL, Jr., Evansville, Ind. Filed Oct. 17, 1921. Serial No. 508,332. 10 Claims. (Cl. 15—25.)



1. In a device of the character described, a pair of oppositely rotating brushes having bristles thereon arranged in helical formation, said brushes being so arranged that said helically arranged bristles on opposed brushes inter-mesh.

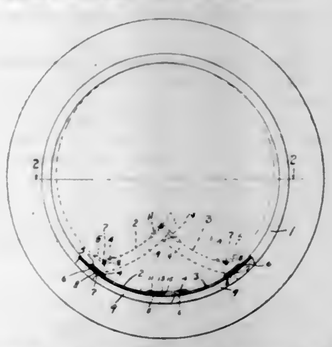
1,500,411. TUNNELING MACHINE. GUTTORM MILLER, Glens Falls, N. Y. Filed Jan. 17, 1921. Serial No. 437,776. 12 Claims. (Cl. 262—7.)

1. A tunneling machine including a plain endless cable having a free run forming a cutter for severing portions of the earth wall at the end of a tunnel bore, means for holding taut said cutting run of the cable during its



cutting travel, and means for causing an endwise traveling movement of said cable.

1,500,412. VEHICLE WHEEL RIM. JUDSON H. MISKIMEN, Glendive, Mont. Filed Apr. 15, 1920. Serial No. 374,119. 1 Claim. (Cl. 301—32.)

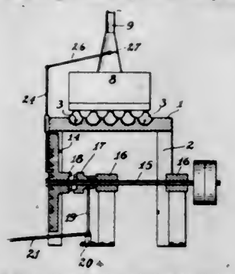


A demountable rim formed of a plurality of sections, each section providing a base and side flanges, and hinges secured to the bases of the sections to connect the sections together, the adjacent portions of said bases having complementary terminal recesses, each hinge being provided with shoulders adjacent its knuckle, said shoulders and knuckle being adapted to be received in and to fill said complementary recesses, the outer surface of said shoulders being adapted to form a continuation of the outer surface of the rim whereby the outer surface of the bases presented to a tire are substantially unbroken and whereby one leaf of the hinge connecting two adjacent sections may extend through one of said complementary recesses when the adjacent sections are inwardly broken.

1,500,413. PADDING MACHINE. ALLISTER S. MITCHELL, Oakland, Calif., assignor to California Cotton Mills Company, Oakland, Calif., a Corporation of California. Filed June 16, 1923. Serial No. 645,892. 9 Claims. (Cl. 225—43.)

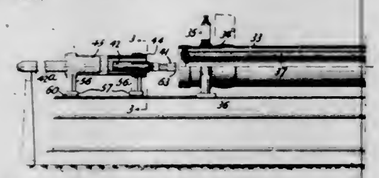
1. A padding machine comprising a table upon which the article to be padded is adapted to be placed, said article having at least one pocket formed therein, a tube positioned in front of said table and in alignment with

said pocket, means to reciprocate said tube into and out of said pocket, means holding one side of said article while the tube is being inserted into the pocket and means



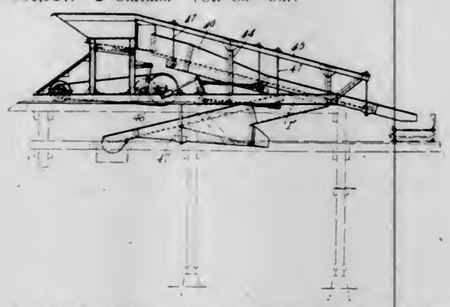
adapted to hold the other side of the article while the tube is being withdrawn from the pocket, and a cam adapted to actuate said means.

1,500,414. MEANS FOR THE MANUFACTURE, CENTRIFUGALLY, OF PIPES, COLUMNS, AND OTHER HOLLOW ARTICLES. DONALD MOIR and HUGH BUCHANAN, Rosario de Santa Fe, Argentina. Filed July 24, 1923. Serial No. 653,551. 9 Claims. (Cl. 25—30.)



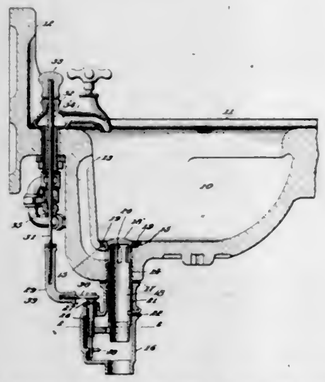
1. Means of the kind herein referred to, comprising a hollow revoluble member, a material-distributing trough adapted to be advanced longitudinally into the said member and means for supporting the trough at both ends during the time it is being thus advanced.

1,500,415. SHAKING SCREEN. FRANK C. MORROW, Wellston, Ohio. Filed Sept. 10, 1923. Serial No. 661,917. 2 Claims. (Cl. 83—56.)



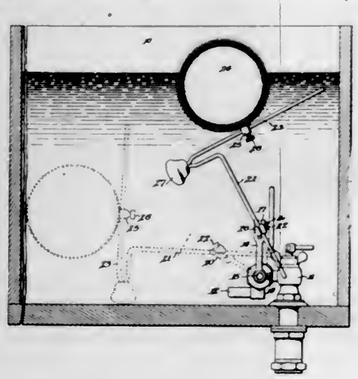
1. A shaking screen unit for bodily attachment to a tipple or the like, including a rigid base frame for receiving vibration and distributing it through the area of the base engaging portion of the supporting structure, a feed hopper fixedly connected to and mounted above the base, an upper frame fixedly connected to the base, a feed plate mounted for reciprocation within the hopper, separate screens supported by the upper frame and by said frame and base respectively for oscillation, levers supported by the base frame and mounted for simultaneous oscillation, pitmen connected to each lever at equal distances from and at opposite sides of the fulcrum thereof, and connected to the respective screens, means for oscillating the levers to simultaneously swing the screens in opposite directions respectively but uniformly, a shaft journaled on the base frame, crank arms thereon, link connections between the crank arms and the respective levers, and power mechanism supported solely by the base frame for operating the shaft.

1,500,416. WASTE STOPPER AND OPERATING MECHANISM. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Original application filed Nov. 12, 1919, Serial No. 337,496. Patent No. 1,447,808, dated Mar. 6, 1923. Divided and this application filed Apr. 18, 1922. Serial No. 554,442. 10 Claims. (Cl. 4—203.)



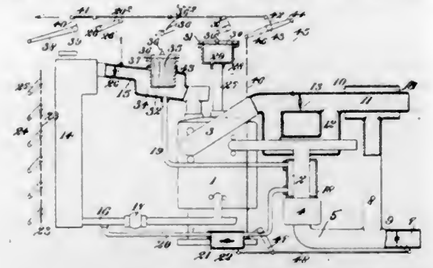
1. The combination in a fitting of the class described, of a stopper, a stopper casing into which the lower end of said stopper projects, a vertically disposed lifting rod extending from said casing, a vertically adjustable yoke on said rod and embracing said stopper, and means on said stopper for locking the parts together when the stopper is rotated in a predetermined position.

1,500,417. FLOAT-VALVE-OPERATING MECHANISM. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Original application filed Oct. 29, 1919, Serial No. 334,122. Divided and this application filed Apr. 30, 1923. Serial No. 635,599. 14 Claims. (Cl. 137—104.)



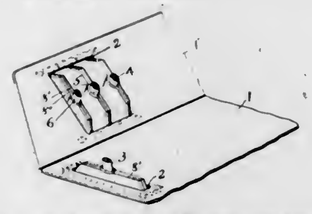
1. A valve operating float comprising a rod having an integral upwardly extending arm bent at an angle to the main portion of the rod, a float adjustably connected to said arm, and a bumper secured to said rod between the ends thereof.

1,500,418. TEMPERATURE-CONTROLLING MEANS FOR MOTORS. STANLEY H. PAGE, San Francisco, and JACOB B. STRUBLE, Oakland, Calif. Filed Jan. 19, 1921. Serial No. 438,518. 6 Claims. (Cl. 123—174.)



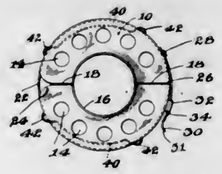
1. In combination with the cylinder of an internal combustion motor provided with a water jacket, a circulating water system connected with said jacket, a thermostat therein, means whereby said thermostat controls the temperature in said water system, and means actuated by the varying fluid pressure within the combustion chamber and operating jointly with said thermostat for regulating the operation of said water temperature controlling means.

1,500,419. SLOT CLOSER. ROSCOE RANDALL PAINE, Waterville, Me. Filed Mar. 29, 1923. Serial No. 628,607. 4 Claims. (Cl. 74—81.)



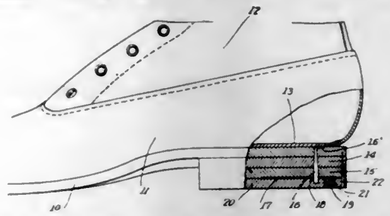
1. A slot closing device for automobiles and the like including two pieces of flat, elastic and flexible material as sheet rubber cut away to form a pair of upwardly projecting and contacting elastic flanges to cover the slot and surround the operating lever, the material composing the flanges being formed to connect with the lower edge of said flanges with a flat body portion surrounding the slot and a retaining mat having a slot therein fitting around said flanges and resting on said body portion to hold it in place.

1,500,420. SHADE HOLDER. JAMES I. POLLAK, Chicago, Ill., assignor to U. S. Tool Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 10, 1923. Serial No. 618,338. 8 Claims. (Cl. 240—129.)



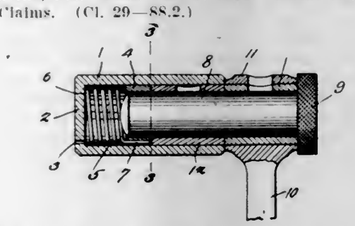
1. A shade holder including a circular plate, a downwardly extending flange integral with said plate, a diametrical cut in said plate, said cut being extended to one portion of the flange, the other portion of the flange diametrically opposite said cut comprising an integral spring hinge.

1,500,421. SHOE HEEL. ABRAHAM POSNER, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,098. 2 Claims. (Cl. 36—75.)



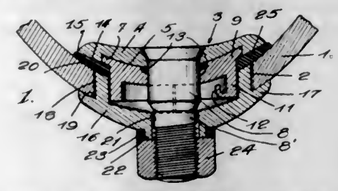
1. A shoe heel comprising two or more lifts, an arcuate row of slugs passing through said lifts into the shoe sole, the heads of said slugs extending outwardly, a metal plate having perforations registering with certain of said slugs, an outer lift in which the heads of said slugs are imbedded, said outer lift having openings near its rear and side edges, metal lugs fixed with said plate extending through the mentioned openings in said outer lift, and a marginal row of nails passing through all of said lifts exteriorly of the edge of said plate.

1,500,422. BUSHING REMOVER. JAMES K. ROBINSON, Jacksonville, Fla., assignor of one-fourth to S. S. Rickett and one-fourth to C. C. Robertson, both of Jacksonville, Fla. Filed Dec. 7, 1922. Serial No. 605,456. 4 Claims. (Cl. 29—88.2.)



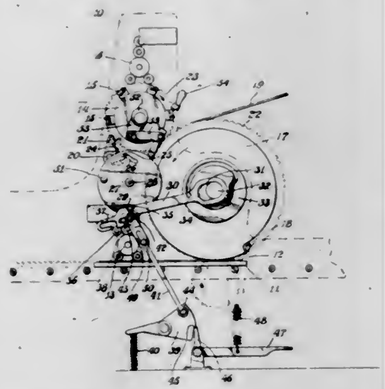
2. A device for re-bushing an article, comprising a plunger; a follower loosely surrounding the plunger; and a casing independent of the article to be rebushed and of sufficient diameter and construction to receive the plunger and the follower slidably.

1,500,423. HANDHOLE CLOSURE. JOHN C. SHERRY, Seattle, Wash. Filed Nov. 21, 1922. Serial No. 602,425. 11 Claims. (Cl. 220—25.)



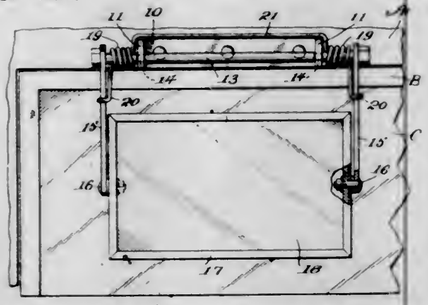
1. A hand hole closure having a head made up of independent sections adapted in one relative position to permit the insertion of the head through the hand hole and in another position to prevent movement of the head through the hand hole, the joint between said sections when in the latter position being disposed inwardly of the marginal edge of the hand hole, a bridge to engage the surface about the hand hole in opposition to the head and having a flange to fit within the marginal edge of the hand hole, the free edge of the flange extending in both directions beyond the joint between the head sections, and means for drawing said head and bridge toward each other, whereby said flange edge may act through an interposed sealing element to seal said joint.

1,500,424. PRINTING MACHINE. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Oct. 28, 1922. Serial No. 597,441. Renewed Sept. 25, 1923. 12 Claims. (Cl. 101—77.)



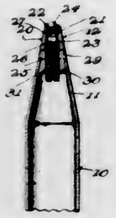
1. A printing machine embodying therein a printing plate carrying member, an inking mechanism associated therewith, a numbering head cylinder, numbering heads thereon, an inking mechanism associated therewith, an impression cylinder cooperating with the plate upon said plate carrying member and with the numbering heads upon said numbering head cylinder respectively, numbering head actuating means, and means operative in synchronism with said impression cylinder, whereby said numbering head actuating means will be brought into the operative relation to said numbering heads, and out of operative relation thereto, upon alternate revolutions of said numbering head cylinder, said numbering head cylinder being of a diameter to require two revolutions thereof to develop an angular speed coinciding with the speed of said printing plate carrying member.

1,500,425. WINDSHIELD ATTACHMENT. WESLEY THURMAN and STELLA SMITH, Virginia, Minn. Filed Mar. 24, 1923. Serial No. 627,384. 2 Claims. (Cl. 20—40.5.)



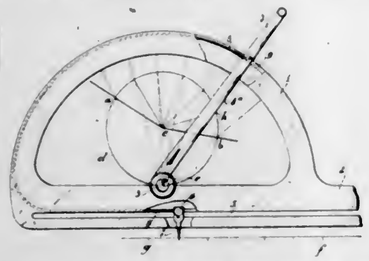
1. A windshield attachment comprising a supporting bracket adapted to be mounted above the windshield of an automobile, a bar detachably supported by said bracket, arms depending from said bar, and a rectangular glass covered frame carried by said arms and adapted to lie against the windshield, and spring means for urging said arms toward the windshield, and for holding the bar in position upon the bracket, consisting of a single length of wire having its intermediate portion engaging upon the top of the bracket, having its end portions coiled about the bar, with its terminals engaging said arms.

1,500,426. COMBINATION PENCIL CASE AND STYLUS. SEWELL HOMER TOWNSEND, Bucklin, Mo. Filed Aug. 14, 1923. Serial No. 657,396. 3 Claims. (Cl. 120—43.)



3. In a device of the character described, a tip having at one end a ball receiving socket provided with an opening, a ball arranged in the socket and having a portion projecting through and beyond said opening, said tip being internally threaded at the end thereof opposite said socket, an externally threaded stem engaged with the internally threaded portion of the tip and having a reduced extension provided with a concaved outer end engaging the ball to maintain the same in proper position in its socket, and a lock washer threaded on the stem and engageable with the tip.

1,500,427. INSTRUMENT FOR DIVIDING AND MULTIPLYING ANGLES. JOHANNES FREDERIK VALKENBURGH, The Hague, Netherlands. Filed Jan. 8, 1921. Serial No. 435,848. 2 Claims. (Cl. 33—75.)



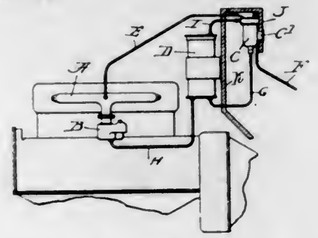
1. An instrument of the class described, an element forming an axis and having a piercing point at one end, an indicator angularly displaceable about such axis, a member, means for rectilinearly guiding said member, and means whereby movement of said member compels a proportionate angular displacement of the indicator.

1,500,428. CENTRIFUGAL CASTING. WILLIAM W. WEITLING, College Point, Long Island, N. Y. Filed Mar. 31, 1922. Serial No. 548,394. 5 Claims. (Cl. 22—65.)



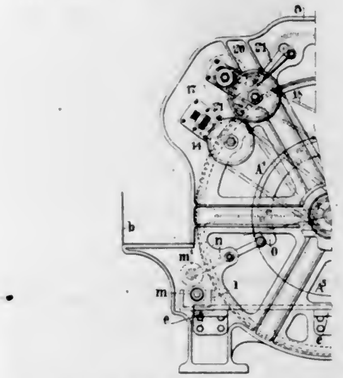
1. In the art of making metallic articles of annular cross-section of a length at least as great as the inside diameter thereof, the process of distributing a pre-determined charge of molten metal in the rotary mould of a rotary casting machine, which involves introducing such charge in toto into the chamber bounded by the inside walls of the mould while there confining the charge in an elongated mass completely spaced from te mould but substantially co-extensive with the length of the mould, and then breaking up such mass by transferring the molten metal from the confines of the mass and against the inside surfaces of the mould in a rapidly sweeping flow beginning near one end of the mould and thence running along the length of the mould and terminating near the other end of the mould.

1,500,429. VISIBLE-FLOW FUEL-FEEDING DEVICE FOR AUTOMOBILE ENGINES. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 19, 1922. Serial No. 576,006. 3 Claims. (Cl. 158—36.)



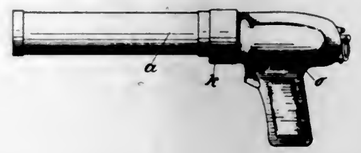
1. In combination with a motor vehicle and its engine, a fuel feeding device comprising a chamber into which fuel is moved from a lower source on the vehicle, said chamber having a transparent panel through which the interior conditions as to inflow, outflow and liquid level, can be observed; a fuel supply conduit leading to said chamber; means for causing inflow of fuel therethrough to the chamber, said chamber having an atmosphere inlet for permitting gravity outflow from the chamber; means operating by change of liquid level in the chamber, for alternating the operation of the inflow causing means and the atmosphere pressure for permitting outflow; a fuel reserve chamber positioned at a lower level than the first mentioned chamber and at a level for supplying the carbureter by gravity flow; a conduit for delivering the liquid by gravity from the first mentioned chamber to the second; a valve controlling liquid flow to said conduit, adapted to be opened in the direction of outflow from the first chamber toward the second, and to be held seated by the means for causing liquid inflow into said first chamber, said second chamber having a constantly open air inlet for permitting gravity outflow therefrom to the carbureter.

1,500,430. ROTARY LITHOGRAPHIC PRINTING MACHINE. THOMAS WALTON, London, England. Filed Mar. 11, 1924. Serial No. 698,498. 13 Claims. (Cl. 101—141.)



1. A rotary lithographic printing machine comprising a printing cylinder and a single member for damping and inking the printing cylinder.

1,500,431. FIRE-EXTINGUISHING DEVICE. ALBERT WOLF, Berlin, Germany. Filed Sept. 12, 1923. Serial No. 662,308. 1 Claim. (Cl. 42—1.)



In a fire extinguishing device, the combination of a pistol shaped trigger mechanism, an elongated cartridge containing a fire extinguishing substance and a priming composition, and means detachably connecting one end of the cartridge to said trigger mechanism, whereby said cartridge forms an elongated barrel for the pistol shaped trigger mechanism, said cartridge being of sufficient size to contain a full charge of the fire extinguishing substance and of sufficient length to direct the charge a considerable distance when the trigger mechanism is actuated.

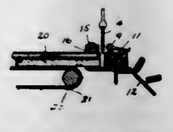
1,500,432. METHOD OF ATTACHING LABELS OR THE LIKE. HARRY AYLIFFE, London, England, assignor to Caribonum Limited, Leyton, Essex, England. Filed Sept. 27, 1923. Serial No. 665,229. 5 Claims. (Cl. 216—62.)

1. Method of attaching a sheet to a surface, consisting in coating the surface with varnish, smearing the sheet with a softening agent for celluloid, pressing a film of celluloid over the smeared sheet, further pressing the celluloid-covered sheet with the application of heat, and finally pressing the sheet so treated on to the surface, the said final pressing operation being accompanied by the application of heat.

1,500,433. SENSITIZING COMPOSITION FOR PREPARING BLUE-PRINT PAPER. ERNEST BERTSCH, Haguenau, France. Filed Aug. 29, 1921. Serial No. 496,593. 2 Claims. (Cl. 95—7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A composition for use in the production of blue print paper, comprising organic ferric salts, and a neutral alkali oxalate.

1,500,434. BREAD-SLICING MACHINE. HAROLD E. BJORLIN, Duluth, Minn. Filed Oct. 15, 1923. Serial No. 668,529. 2 Claims. (Cl. 146—154.)



1. The combination with a bread slicing machine having a reciprocable knife for slicing loaves of bread, of a shaft, adjacent the knife, carrying gravity means for holding a number of slices in close juxtaposition to the knife for the purpose described.

1,500,435. LOCK. LEONARD G. BOWLES, Columbus, Ga., assignor of one-half to B. S. Miller, Columbus, Ga. Filed Oct. 18, 1923. Serial No. 669,406. 4 Claims. (Cl. 292—207.)

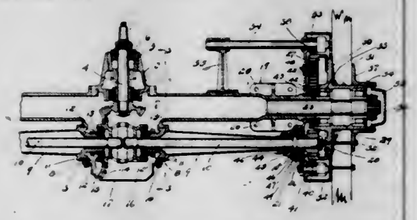
1. In a car door lock, a plate adapted for attachment to a car door and forming a base, a shaft extending slidably and rotatably through said plate, a locking arm on the inner end of the shaft, an operating handle on

the outer end of the shaft, said inner and outer ends being hingedly connected to permit the handle to fold down on said plate upon retraction of the shaft, and



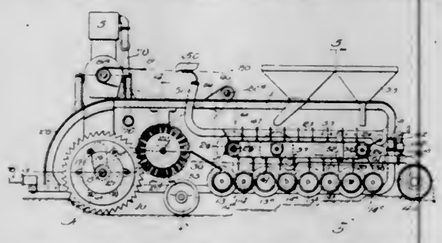
a key slidably mounted on said plate, said shaft having a slot extending through its inner end for engagement by said key whereby to prevent movement of the shaft when protracted and in locked position.

1,500,436. AXLE. WILLIAM M. BRITTON, Alma, Mich. Filed Aug. 30, 1920. Serial No. 407,000. 6 Claims. (Cl. 74—7.)



1. A drive axle constituting a main load carrying member having wheel carrying spindles mounted in the ends thereof, said axle having an integral gear housing provided with shaft receiving openings in the sides thereof, the centers of said openings being spaced from the centers of the wheel carrying spindles.

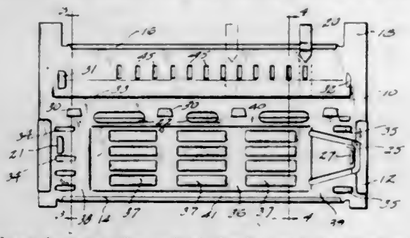
1,500,437. SOIL PULVERIZER AND SEEDER. CHARLES S. BURTON, Oak Park, Ill. Filed Feb. 8, 1918. Serial No. 215,968. 23 Claims. (Cl. 97—10.)



1. A machine for the purpose indicated mounted for travel, comprising means mounted thereon for excavating the soil, means for conveying the excavated soil rearward over the line of advance of the machine, and soil grinding or flouring means comprising a series of pairs of rolls; the conveying means being adapted for delivering the excavated soil between the rolls of the several pairs, and the grinding or flouring means being adapted for depositing the ground or floured soil in the furrow of the excavation.

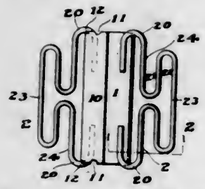
1,500,438. ADDRESS-PLATE HOLDER. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 20, 1922. Serial No. 545,041. 8 Claims. (Cl. 101—369.)

1. A movable index tab comprising a strip of material bent into a U-shape to provide two portions spaced apart a slight distance, one of said portions being provided with a transversely extending corrugation located about



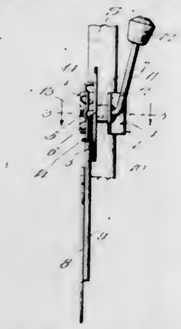
midway between the end of the leg and the bend of the U, whereby said corrugation may embrace an edge bead and the tab project materially beyond the same.

1,500,439. BUCKLE. SHERMAN D. CLARK, Seattle, Wash., assignor of one-fourth to John F. McHugh, ten per cent to Anton De Muth and E. P. Sherman, all of Seattle, Wash. Filed Sept. 18, 1922. Serial No. 588,822. 5 Claims. (Cl. 24—74.)



3. A slidable buckle comprising a base having pivot-receiving eyes extending along two opposite edges, and spring loops pivotally mounted in said eyes, said loops being adapted to yield in the direction of the axis of said pivots, and having web holding bars extending parallel with their pivots and spaced from the plate to receive the web between said bars and the base, said base having notches in its edges receiving the loop ends when the loops lie in the general plane of the base and also when swung at right angles thereto.

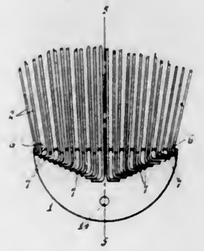
1,500,440. AUTOMOBILE DIRECTION SIGNAL. WILLIAM M. COLLINS, Huntington, Ind. Filed Mar. 11, 1924. Serial No. 698,555. 2 Claims. (Cl. 116—52.)



1. An automobile direction signal comprising a bracket adapted to be fastened to a support in substantially a vertical plane, said bracket being provided with a horizontally disposed bearing, an arm carrying an indicating element mounted to swing across a portion of one side of said bracket and having its inner portion contacting flatly with said side of said bracket, the inner end of said arm being bent laterally at right angles and passed through said bearing and then bent at an angle

less than a right angle to form an operating handle located on the other side of said bracket, and a resilient member mounted on the first mentioned side of said bracket and bearing against said arm to maintain it flat against the first mentioned side of said bracket and hold it in adjusted positions.

1,500,441. GARDEN BROOM. HENRY F. CONGABLE, Oakland, Calif., assignor to Robinson Hardware Company, Oakland, Calif., a Corporation of California. Filed Dec. 24, 1921. Serial No. 524,748. 8 Claims. (Cl. 55—10.)



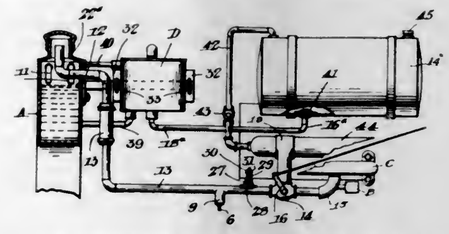
4. A garden broom including a head formed of a metal plate bent upon itself and provided with a plurality of spaced apertures in the bend thereof, tines extending through said apertures between the members of said plate, the inner ends of said tines being bent at right angles, the bent ends of the tines at the right of the center of the plate engaging each other successively except the bent end of the extreme right tine which engages the inner side of the bent portion of the plate, the bent ends of the tines at the left of the center of the plate engaging each other successively, except the bent end of the extreme left tine which engages the inner side of the bend in said plate, an offset in one member of said head engaging the bent ends of the two innermost tines to hold them against longitudinal displacement, a handle secured near its end to said head, and a spacer secured to the end of said handle for spacing the tines in diverging relation from said head.

1,500,442. FLY SWATTER. ALBERT N. COOPER, Lodi, Calif. Filed Feb. 10, 1923. Serial No. 618,419. 1 Claim. (Cl. 43—137.)



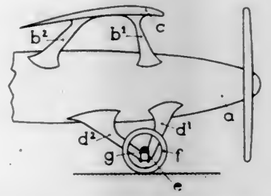
A fly swatter including a handle, a spring wire bent to form a loop, a coil formed by the ends of the wire, said handle being secured to that end of the coil remote from the loop, a metal fabric surrounded by the loop and joined at its edge to the inner surface of the loop, said fabric and loop forming a resilient body, the coil constituting a resilient connection between the body and the handle, said coil and handle being normally positioned in the same plane with the body, and a protecting sleeve surrounding the coil.

1,500,443. VAPOR AND AIR INTENSIFIER AND CARBURETOR ATTACHMENT. FRANK FREDERICK WILLIAM DOERING, Hibbing, Minn. Filed July 10, 1922. Serial No. 573,827. 12 Claims. (Cl. 123—25.)



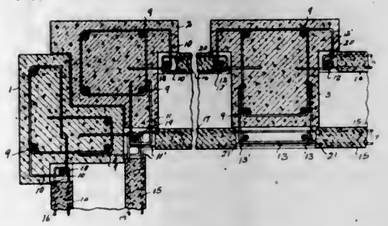
1. The combination with a radiator having an overflow pipe, and the carburetor of an engine, of a three-way valve located between the carburetor and the radiator and connected thereto by conduits, air intake means in said conduits, means for actuating the valve, and air pipes extending through the top of the radiator and terminating at the lower end adjacent to the normal water level in the radiator.

1,500,444. FLYING-MACHINE CONSTRUCTION. CLAUDIUS DORNIER, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,544. 5 Claims. (Cl. 244—14.)



1. In an aeroplane in combination, a body, self-supporting hollow joists with funnel shaped bases fixed to said body, and starting gear attached to the lower ends of said joists.

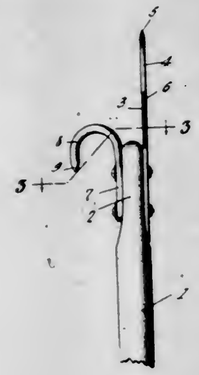
1,500,445. CONCRETE BUILDING CONSTRUCTION. WENZEL J. DVORAK, Sunset Heights, Tex. Filed Mar. 26, 1923. Serial No. 627,609. 2 Claims. (Cl. 72—16.)



1. A concrete construction composed of a base, precast concrete columns mounted on said base and forming corner columns and wall columns, vertical reinforcing rods embedded in said columns whose lower ends

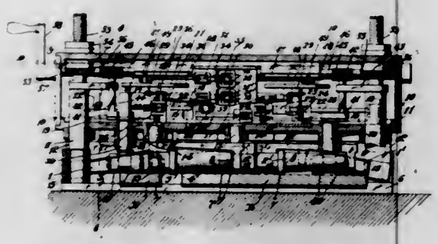
project beyond the columns and are embedded in said base, precast concrete wall slabs disposed one above the other forming outer and inner walls horizontally arranged, reinforcing rods in said projecting columns and slabs which are formed into projecting loops which project from adjacent parts of the columns and slabs and overlap, locking rods projecting through said loops and locking them together, the upper ends of the vertical reinforcing rods of said columns projecting beyond the columns, and a cap plate molded onto the top of the complete wall of said construction, the said projecting upper ends of said rods being embedded in said cap plate.

1,500,446. HOOK. DANIEL FASOLD, Keswick, Iowa. Filed July 27, 1922. Serial No. 577,951. 1 Claim. (Cl. 30—11.)



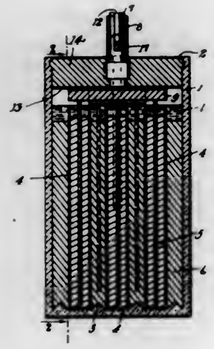
In a device of the class described, a handle, and upper and lower hooks on the handle, the hooks being disposed in planes approximately at right angles to each other and being spaced apart longitudinally of the handle, the upper hook being so constructed as to serve as a cutting hook, and the lower hook being so constructed as to function exclusively as a holding hook.

1,500,447. MEANS FOR MEASURING LUMBER. EDWIN A. GODLEY and LEO J. GRUBMAN, New York, N. Y. Filed Sept. 23, 1921. Serial No. 502,620. 18 Claims. (Cl. 33—142.)



1. In an apparatus for measuring lumber, a rotary member having parts of relatively different diameters adapted to be directly engaged by a board disposed in a plane parallel to the axis of rotation of said member whereby said member is rotated at a speed governed by the width of the board, an integrator, and means operatively connecting said member to the integrator to register the surface area of the board upon said integrator.

1,500,448. STORAGE BATTERY. VICTOR CLAUDE GOODRIDGE, Chicago,, Ill., assignor to Goodridge Battery Co., a Corporation of Illinois. Filed Jan. 23, 1922. Serial No. 531,120. 25 Claims. (Cl. 204—29.)



1. A lead-lead battery, comprising in combination a receptacle, positive and negative active materials therein, and a container surrounding and adapted to enclose, separate and isolate one of said materials from the other, the receptacle, the active materials and the container being in sequential and physical contact.

1,500,449. COMBINATION LOCK AND EMERGENCY BRAKE FOR INTERNAL-COMBUSTION ENGINES. VICTOR GRIFFITH, San Francisco, Calif. Filed Apr. 10, 1923. Serial No. 631,243. 4 Claims. (Cl. 251—6.)



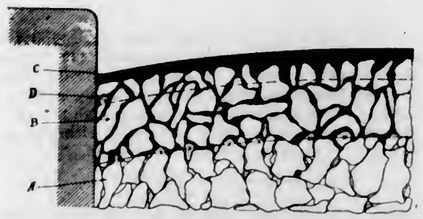
3. In a device of the character described, a substantially L-shaped housing having legs axially at right angle and bores extending longitudinally therethrough and communicating at their juncture, plungers fitted, respectively, to said bores and having adjacent ends obliquely fashioned for slidable contact, a transverse bore through a leg of said housing and the plunger therein as normally positioned relative to each other, a means, carried by the other of said legs, whereby the said plunger is forced into a position in which its transverse bore is out of registration with the transverse bore through the said leg, and means for returning the said, actuating means to the normal position.

1,500,450. TAKE-UP SPROCKET FOR MOTION-PICTURE MACHINES. BRONISLAW GWOZDZ, Warsaw, Poland. Filed Aug. 26, 1921. Serial No. 495,702. 1 Claim. (Cl. 74—31.)



In a device of the kind described in combination, a shaft, a pair of toothed discs loose and a collar fixed on said shaft intermediate said discs, and flat arms extending through slots in said collar and engaging said discs with their free ends, the contact surfaces of said arms with said collar and discs being rounded.

1,500,451. COMPOSITE PAVEMENT AND METHOD OF PRODUCING SAME. WILLIAM E. HACKER, Los Angeles, Calif. Filed Nov. 26, 1920. Serial No. 426,439. 8 Claims. (Cl. 94—20.)



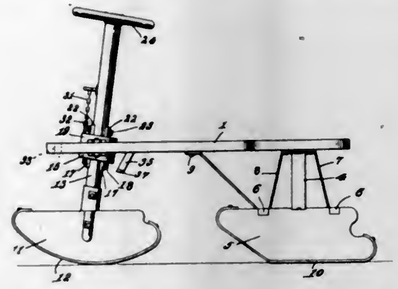
1. A unitary bituminous pavement wearing structure composed of two dissimilar bituminous mixtures, the lower being a relatively stable coarse aggregate bituminous concrete containing relatively coarse and relatively fine mineral bodies and containing not more than substantially that proportion of relatively fine mineral bodies and bitumen which will fill the spaces otherwise existing between the relatively coarse bodies if compacted alone, the upper mixture being a relatively plastic fine aggregate bituminous mortar containing relatively fine mineral bodies and containing not less than substantially that proportion of bitumen which will fill the spaces otherwise existing between the mineral bodies if compacted alone, the contiguous portions of the two mixtures being so bonded and blended together by compression as to produce a unitary mass.

1,500,452. PLASTER WALL BOARD. JOSEPH F. HAGGERTY, Batavia, N. Y., assignor to Universal Gypsum Company, Chicago, Ill., a Corporation of Delaware. Filed June 2, 1922. Serial No. 565,433. 12 Claims. (Cl. 154—45.9.)

1. A wall board consisting mainly of gypsum and having a paper liner, cooked starch being incorporated with the gypsum, to insure secure adhesion of said paper liner.

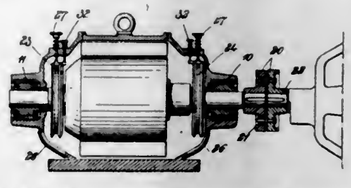
1,500,453. SLED. HARRY HEFFNER, Cleveland, Ohio. Filed May 18, 1923. Serial No. 639,979. 3 Claims. (Cl. 280—12.)

1. A sled comprising a body board, a frame formed of metal straps arranged rightangularly with respect to each other secured to the board and having downwardly directed angle ends, spaced connected runners to which the ends of the frame are secured to the ends of one of the frame members being continued and connected approximately centrally to the body, a runner normally arranged on a line running centrally between the first mentioned runners and forward thereof, said forward runner having a curved surface engaging edge, cross sectionally V-shaped metal shoes on all of the runners, a post removably secured to the forward runner passing through bearings in the body board, said bearings each



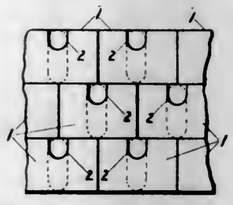
comprising castings having oppositely beveled body portions, disks in the castings having lugs to which the post is secured and whereby the post is arranged at an angle with respect to the body board, and an operating wheel for the post.

1,500,454. BALANCED MACHINE. HANS HEYMANN, Darmstadt, Germany. Filed Oct. 4, 1921. Serial No. 505,410. 14 Claims. (Cl. 73—51.)



1. A machine comprising in combination, a rotor, a journal connected with said rotor and bearings supporting said journal with a clearance between said bearings and said rotor adapted for the arrangement of balancing means, said bearings being capable of bodily oscillating substantially in a plane transversely to the axis of said rotor and separate means for locking each bearing in position.

1,500,455. CHECKER BRICK. JOSEPH HOGBIN, Pittsburgh, and WILLIAM LEHMAN, Aspinwall, Pa.; said Lehman assignor of his entire right to William Martin, Pittsburgh, Pa. Filed Sept. 28, 1923. Serial No. 665,413. 4 Claims. (Cl. 72—15.5.)

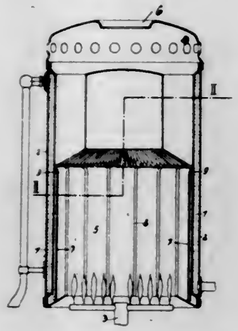


2. In a checker structure, a plurality of parallel supporting walls, and cross members rockably supported in spaced relation between said walls.

1,500,456. LIQUID HEATER. HUGO JUNKERS, Dessau, Germany. Filed June 29, 1920. Serial No. 392,837. 6 Claims. (Cl. 122—156.)

1. In apparatus of the kind described in combination, a wall, means for cooling one side of said wall, a pro-

tective metal wall disposed near, but spaced apart from the other side of said cooled wall, heat-conductive connections between said walls and means for preventing hot gases from entering from below the space intermediate said walls.



1,500,457. VALVE GEAR. HUGO JUNKERS, Dessau, Germany. Filed Feb. 17, 1921. Serial No. 445,908. 2 Claims. (Cl. 123—41.)



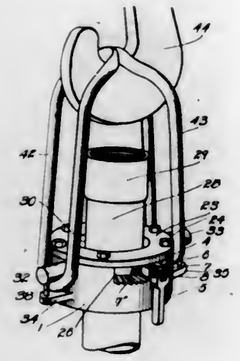
1. In mechanism of the kind described in combination, a valve, a valve lever, two connecting rods, one for forward and the other for reversed running designed to govern said lever, a cam intermediate each connecting rod and said lever, a link connected to each rod, a single crank adapted to drive both said rods, an operating lever and a pivot on said lever common to both said links, the total lengths of said rods and the distances between the centre of said crank and the point of connection of said links to said rods differing in such wise, that in forward running only the forward and in reversed running only the reverse rod will act on said valve lever.

1,500,458. FLEXIBLE DRIVING ELEMENT. WALTER REUBEN KEEN, Birmingham, England. Filed Dec. 29, 1920. Serial No. 433,913. 3 Claims. (Cl. 74—64.) (Granted under the provision of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



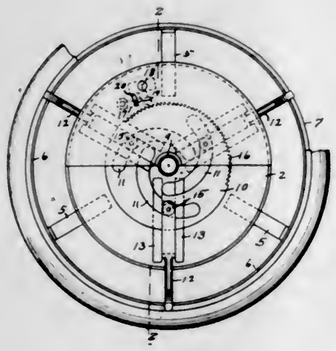
1. A flexible driving element comprising a series of links; hinges uniting said links together, end to end, to form a flexible band; an inclined sided gripping member attached to each of said links adapted to engage frictionally with the sides of a pulley groove, said gripping members having portions extending transversely in the space between them, which portions are bent to a curve to make them resilient and operate to form a resilient backing for the inclined sides to resist the inward displacement of said sides.

1,500,459. CASING ELEVATOR. GEORGE KRELL, Kansas City, Mo. Filed Nov. 30, 1921. Serial No. 518,797. 4 Claims. (Cl. 24—263.)



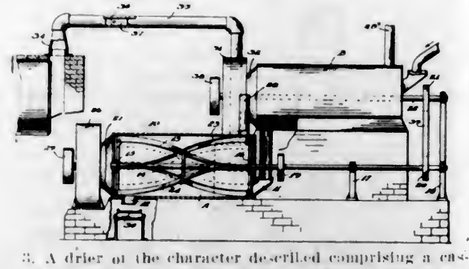
1. A casing elevator comprising a housing, radial jaws within the housing, a ring for actuating said jaws in radial directions, a lug on the ring, a vertically sliding pawl in the lug having a tooth for engaging a part of the housing, and a drift pin projecting through the end of the lug and having a cam face to contact with the pawl to raise it out of housing-engaging position.

1,500,460. TIRE RACK. CHRISTIAN H. LARSON, Godley, Tex., assignor of one-fourth to H. A. McDonald, one-fourth to J. L. Young, and one-fourth to H. P. Phillips, all of Jefferson County, Tex. Filed May 7, 1921. Serial No. 467,646. 1 Claim. (Cl. 229—29.)



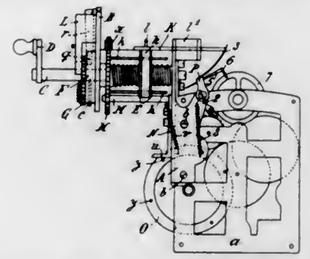
A device of the character described, including a casing, a rim support carried thereby and provided to receive a tire rim, radially movable members, the inner ends of which are bifurcated, a roller carried by the inner end of said bifurcations and within the casing, and whose outer ends have notches to receive the support and rim and lock them together when said members are extended, a rotary member within the casing having a portion of its edge serrated, and operatively connected with said movable members and by the rotation of which the movable members may be radially moved into extended or withdrawn position, said rotary member embodying cams which actuate said movable members, and means for locking said rotary member to hold said radially movable members in extended position.

1,500,461. PEAT DRIER AND THE LIKE. JOHN LUMSDEN, Ottawa, Ontario, Canada. Filed Dec. 6, 1921. Serial No. 520,368. 9 Claims. (Cl. 34—7.)



3. A drier of the character described comprising a casing, a plurality of spiral heaters formed with sifting and carrying means thereon rotatably mounted in said casing, feed and discharge openings in the casing, fan and blower means for said casing adapted to supply heated air thereto, air exhaust means for the casing whereby the moisture-laden air is discharged from the drier, conduit means connecting the drier with the source of heated air, and means in said conduit for regulating the volume and temperature of the heated air, and means for operating the drier.

1,500,462. COIN-CONTROLLED APPARATUS. MATHIAS ODIN SEVERIN MADSEN, Aarhus, Denmark, assignor to Otto Kristian Heesch, Aarhus, Denmark. Filed Apr. 30, 1921. Serial No. 465,914. 2 Claims. (Cl. 194—3.)



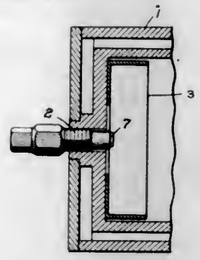
1. An apparatus of the class described comprising in combination, a clockwork train, a control device which is movable away from a clockwork stopping position proportionally to the number of coins inserted in succession, coin controlled means for moving said member as aforesaid, a slide adapted to be periodically actuated by a wheel of the clockwork train, a pawl member carried by said slide, a gear adapted to be turned stepwise by said pawl, and connections between said gear and the control device for returning the latter to its clockwork stopping position.

1,500,463. ADJUSTABLE SINKER. WILLIAM K. MATTERN, Germantown, Pa. Filed Dec. 22, 1923. Serial No. 682,254. 6 Claims. (Cl. 43—52.)



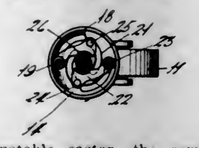
1. A sinker comprising a stem which includes a head and parallel shank members extending therefrom, weights having apertures to accommodate the shank members and adapted to be placed in any convenient plurality thereon with the lower weight resting on the head, and a locking member adapted to be inserted between the shank members and serving to spread them and lock the weights in position.

1,500,464. INTERNAL-COMBUSTION ENGINE. FRANK B. MORRISON, Marion, Ohio, assignor to The Power Manufacturing Company, Marion, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 570,373. 1 Claim. (Cl. 123—32.)



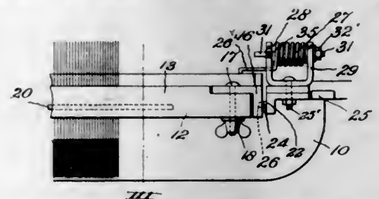
In an oil engine the combination of a cylinder having a head and water-cooled walls, a firing bowl arranged within the cylinder and in spacial relation of thermal equipoise to the walls thereof, whereby tendency of the bowl to manifest departure from its intended condition of temperature, expressing itself in variation of the space interval between bowl and cylinder wall, is corrected by a compensating variation in the rate of heat dissipation, a spray-plug extending axially through the cylinder head and adapted to deliver a jet of oil radially upon said firing bowl, and means for driving a jet of oil under pressure from said plug.

1,500,465. ADJUSTABLE CASTER. CHARLES R. NALLE, Wichita Falls, Tex. Filed May 22, 1923. Serial No. 640,638. 4 Claims. (Cl. 16—19.)



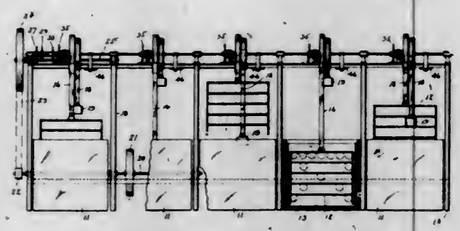
1. In an adjustable caster, the combination with a caster having a stem provided with grooves, of a rotatable adjusting member, pivoted locking dogs adapted to engage in the grooves of the stem, and connections between the dogs and the member for swinging the said dogs into and out of the grooves when the member is rotated.

1,500,466. LOOSE REED FOR LOOMS. CARMIN POLIZZO, Paterson, N. J., assignor of one-half to Raphael Jordan, Paterson, N. J. Filed Feb. 10, 1922. Serial No. 535,441. 4 Claims. (Cl. 139—189.)



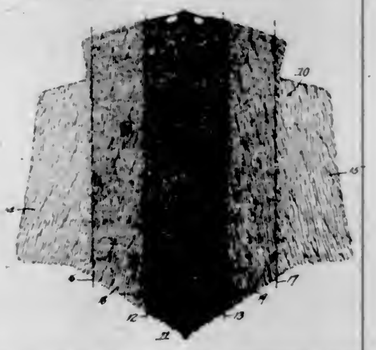
1. In a loom, a batten frame, a reed frame having a reed thereon, and means for attaching said reed frame to said batten frame, said means comprising a pivotal connection between said batten frame and reed frame, and a coil spring adjacent said pivotal connection and detachably mounted on the batten frame and having one end portion pressing said reed frame around said pivot against said batten frame, said attaching means permitting said reed frame to move slightly away from said batten frame when the reed presses a filler thread against the woven fabric, said spring normally holding said reed frame pressed against said batten frame.

1,500,467. LACQUERING MACHINE. WILLIAM H. POND, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Sept. 7, 1922. Serial No. 586,692. 8 Claims. (Cl. 91—46.)



1. In a machine of the character described, a bath tank, a work carrying rack adapted to be lowered into said tank, means for lifting the rack and its work from the bath at a predetermined speed, driving means therefor and cam means for automatically disconnecting the lifting means from the driving means when the work has been lifted clear of the bath.

1,500,468. METHOD OF CUTTING FUR SKINS AND PRODUCT THEREOF. HAROLD A. REICH, New York, N. Y., assignor to Alexander D. Reich and Harold A. Reich, Copartners trading under name of R. Reich & Son, New York, N. Y. Filed Mar. 1, 1924. Serial No. 696,112. 4 Claims. (Cl. 149—28.)

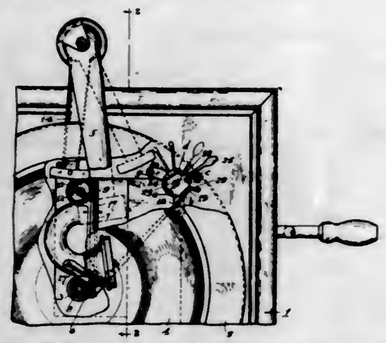


1. The method of cutting and connecting dressed fur skins of muskrats and the like, which comprises segregating each skin into three portions by four lines of cutting into a central or "groetzen" portion, two "belly" portions and two portions intermediate said central or "groetzen" portions and the respective "belly" portions, connecting to one another the central or "groetzen" portions of the respective skins to form a fur product, connecting to one another the "belly" portions of the respective skins to form a fur product and connecting to one another the intermediate portions of the respective skins to form a fur product.

1,500,469. METHOD OF DYEING OR IMPREGNATING THE WOOD IN LIVING TREES. OTTO REIMANN, Pferdsdorf, Germany. Filed Aug. 16, 1923. Serial No. 492,797. 1 Claim. (Cl. 47—58.)

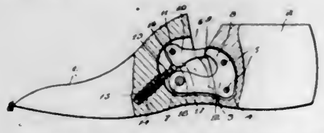
The method of impregnating the wood in living trees, which consists in providing in the trunk of the tree just above the ground in the same horizontal plane two intersecting rows of bores, dividing the cross-section of the trunk grid-like, so as to form a large number of uncut portions between the intersecting channels, said portions being distributed over the whole section of the tree, closing the outer ends of the bores, and introducing dyestuff into said bores.

1,500,470. PHONOGRAPHIC ATTACHMENT. WILLIAM C. ROE, Pittsburgh, Pa. Filed May 5, 1919. Serial No. 294,859. 19 Claims. (Cl. 192—118.)



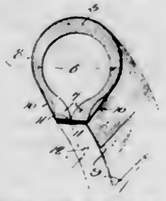
1. In mechanism for starting and stopping phonographs the combination of the tone arm, an arm carried by said tone arm having teeth or serrations in the outer edge thereof, A shiftable member carrying a loose pinion adapted to mesh with the teeth on said arm and a fixed gear adapted to receive power from the operative mechanism, in combination with the brake arm and an arm connected with the shiftable member adapted to be thrown out of restraining engagement with the brake arm of the machine to stop the same.

1,500,471. LAST. JOHN C. SCHELTER, Rochester, N. Y. Filed May 26, 1923. Serial No. 641,745. 1 Claim. (Cl. 12—136.)



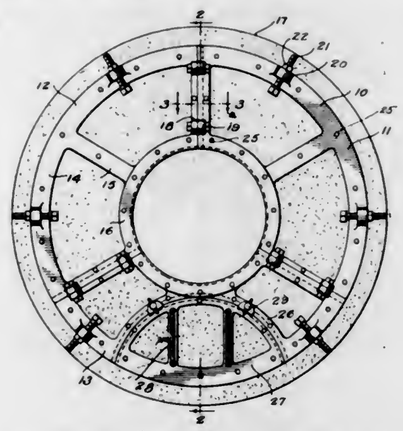
A last comprising a fore part and a heel part divided by a cut providing a V-shaped opening at the top, a bonding member pivotally connected with one of the last parts and rigidly connected to the other of the last parts, said bonding member having an abutment formed thereon and exposed at the V-shaped opening, a detent exposed for manual operation at the V-shaped opening pivotally mounted on the last part to which the bonding member is pivotally connected and having a surface for cooperation with said abutment and also a projecting portion below arranged to cooperate with the under face of the projection on which the abutment is formed to limit the outward movement of the detent, and a spring acting on the detent to move it into cooperation with the abutment.

1,500,472. TIRE WRAPPING. JOHN SCHERNER, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1919. Serial No. 315,914. Renewed Oct. 4, 1923. 1 Claim. (Cl. 206—46.)



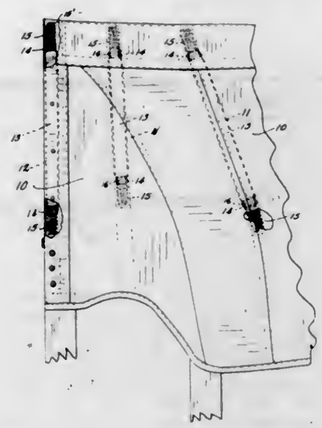
A wrapper for tires comprising an elongated strip of material in the condition of having been placed longitudinally around a tire and made to conform to the irregularities in the surface with its longitudinal edges overlapped, and a single length of tape covering the overlapped edges of said strip of material for securing the same around the tire.

1,500,473. AUXILIARY FURNACE FRONT. ALBERT TORRESSON, Woodhaven, and CHARLES H. ANDERSON, Pearl River, N. Y. Filed Mar. 16, 1923. Serial No. 625,408. 2 Claims. (Cl. 110—172.)



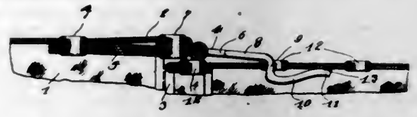
2. An auxiliary furnace front comprising a metallic frame composed of segments detachably secured together, a heat insulating material carried upon the inner portion of said frame, said frame and heat insulating material provided with an opening therein for the passage of fuel therethrough, and radially extending extensible fastening members adapted to engage the wall of the furnace and removably hold said front in position.

1,500,474. CORSET STAY. RIVEN TOVE, South Norwalk, Conn. Filed May 31, 1922. Serial No. 564,747. 6 Claims. (Cl. 2—264.)



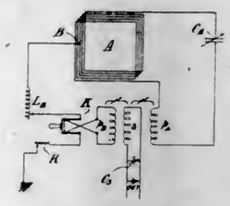
1. A corset stay comprising a body portion of resilient material yieldable laterally of the stay but being substantially nonyieldable longitudinally thereof, and a cushion spring tip at the end of said stay yieldable both laterally and longitudinally of the stay.

1,500,475. FASTENER. FREDERICK S. TYSON, Lock Haven, Pa. Filed June 11, 1923. Serial No. 644,592. 5 Claims. (Cl. 24—225.)



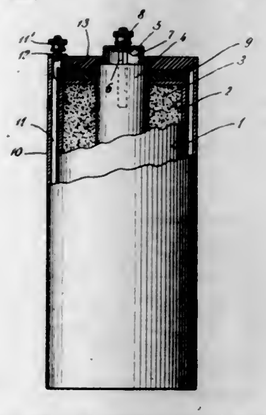
1. A fastener including a hook having its end bent outwardly and upwardly to extend beyond the length thereof, and an eyelet for receiving the hook, the highest point on the end of the hook extending beyond the body of the eyelet.

1,500,476. INTERFERENCE PREVENTION IN RADIO-RECEPTION. FREDERICK K. VREELAND, Montclair, N. J. Filed July 28, 1920. Serial No. 399,534. 39 Claims. (Cl. 250—20.)



1. The method of receiving radiant energy, which consists in exciting oscillations of signal frequency in a circuit tuned to this frequency, exciting in the same circuit oscillations of non-signal frequency approximately in quadrature with their electromotive force by virtue of detuning, exciting in a second circuit tuned to non-signal frequency oscillations in opposite phase relation to the non-signal currents produced in the signal circuit, balancing the effects of the two non-signal currents and observing the unbalanced signal current, substantially as set forth.

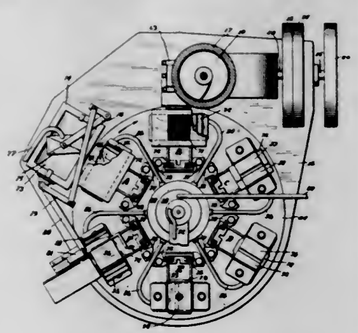
1,500,477. DRY BATTERY. HENRY E. WARNCKE, Norwalk, Conn., assignor to Fairfield Battery Company, South Norwalk, Conn., a Corporation of Delaware. Filed Aug. 1, 1922. Serial No. 578,891. 6 Claims. (Cl. 204—38.)



5. In a dry cell, the combination of a zinc container, a carbon rod and active galvanic materials therein, a brass cap on said carbon rod, a layer of sealing compound closing the end of said container and forming a substantially watertight joint at said rod below the top thereof, a waterproofed carton enveloping said container and extending above the top thereof, said carton being

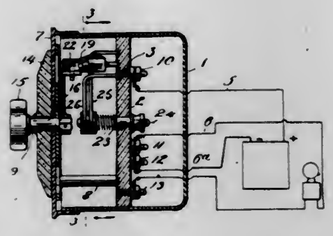
spaced from the sides of said container to form an annular receptacle and sealing compound poured in substantially flush with the upper edge of said carton and closing the top of said annular receptacle, said compound making a relatively long stepped joint with the sides and end of said rod and with the sides of said brass cap whereby moisture driven from said container by gas pressure will find easiest escape over the edge of said zinc container and into said annular receptacle.

1,500,478. FOLDING MECHANISM FOR PACKAGING MACHINES. FELIX WYNEN, New York, N. Y., assignor to Phenix Cheese Company, a Corporation of New York. Filed Jan. 25, 1922. Serial No. 531,599. 5 Claims. (Cl. 93—7.)



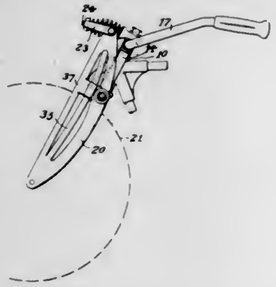
1. In a folding mechanism for packaging machines the combination, with a turntable, of a package wrapping platform carried by said turntable and provided with a portion for supporting a wrapper of sheet material and a cake of plastic material resting upon said wrapper, a pair of folder arms carried by said turntable and disposed upon opposite sides of said platform for the purpose of folding oppositely disposed edges of said wrapper, a pair of rocking shafts disposed upon opposite sides of said platform, each of said rocking shafts carrying one of said folder arms, a pair of pinions mounted upon said rocking shafts for actuating the same, a pair of racks each engaging one of said pinions, and mechanism connected with said racks and with said turntable, and controllable by the revoluble movement of said turntable, for actuating said racks one at a time.

1,500,479. SWITCH LOCK. EDWARD ZEMAN, Woodside, N. Y. Filed June 16, 1923. Serial No. 645,712. 5 Claims. (Cl. 200—43.)



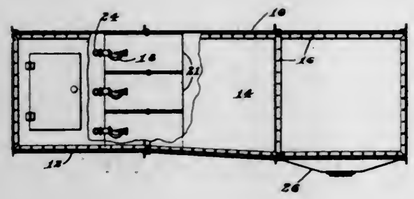
1. An electric switch comprising a pair of spaced plates, one of said plates being formed of an insulated material, concentric rows of indentations arranged on said insulated plate, contacts forming the terminals of an electric circuit arranged in certain of said indentations, a shaft secured to said insulated plate, a plurality of contact arms rotatably secured to said shaft and adapted to engage certain of said contacts, the other of said plates having a shaft rotatably secured therein, a contact arm secured thereto and adapted to engage certain other of said contacts, means secured to said shaft for rotating same, and means secured to said last mentioned contact arm for engaging with and actuating the contact arms on said insulated plates.

1,500,480. SPRING FORK FOR MOTOR CYCLES AND THE LIKE. AUGUST ZICHMAN, New York, N. Y. Filed Mar. 13, 1922. Serial No. 543,211. 3 Claims. (Cl. 208—97.)



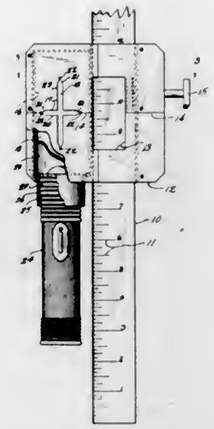
1. A fork for motorcycles and the like comprising a cross member, a bearing post integral with the cross member and adapted to be journaled in the frame of a cycle, steering posts integral with the cross member and projecting upwardly from said cross member, a spring seat secured to said steering posts, side frames pivoted at intermediate points to said cross member, a yoke pivoted to the upper ends of said side frames, and resilient means confined between the yoke and seat.

1,500,481. HUMIDIFYING SYSTEM. JOSEPH ARMSTRONG, Malden, Mass., assignor to American Moistening Company, Boston, Mass., a Corporation of Maine. Filed Jan. 30, 1922. Serial No. 532,804. 4 Claims. (Cl. 261—115.)



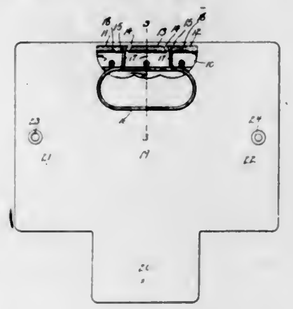
1. A conditioning chamber of a humidifying system, comprising a casing for flow of air; straight dividing means therein, providing separate, straight parallel air passages; moistening means in one of said air passages whereby the air that is moving through it is supersaturated; there being another of said air passages which is free from moisture supply, whereby the air therein is conducted unchanged to the end of said dividing means; and there being, beyond said dividing means a discharge duct wherein there is freedom for the air from the said separate passages to continue in the same direction for a distance in contiguity whereby the excess moisture is retained in the whole flowing body by absorption into the unmoistened air.

1,500,482. ILLUMINATED TARGET. WILLIAM J. BARRETT, Bridgeport, Conn. Filed Nov. 14, 1923. Serial No. 674,752. 10 Claims. (Cl. 240—8.4.)



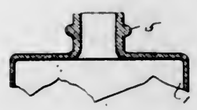
2. A target for a leveler's rod provided on the front wall thereof with a cross having vertical and horizontal arms, and means for illuminating said arms.

1,500,483. KEY HOLDER. CHARLES E. BRADSHAW, Waterbury, Conn. Filed July 2, 1923. Serial No. 648,963. 2 Claims. (Cl. 150—40.)



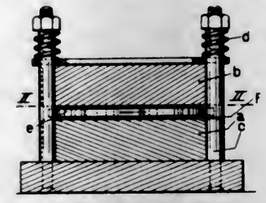
1. A key holder comprising a folder, a plate secured thereto, said plate formed with sockets and with a centrally-arranged lip and a key-loop formed from a single piece of wire and provided at its ends with fingers adapted to enter said sockets.

1,500,484. METHOD OF MAKING SHORT-NECK BOTTLES. HARRY O. BRAWNER, Baltimore, Md. Filed May 31, 1923. Serial No. 642,483. 1 Claim. (Cl. 49—79.)



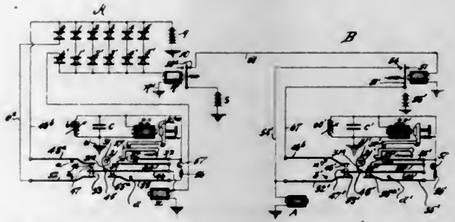
The method of forming bottles with short necks which consists in forming a bottle with a neck having a relative long surplus end portion, reheating and shaping the neck to form an intermediate annular rib, and finally removing the surplus end portion from the mouth up to the rib to produce a finished bottle.

1,500,485. METHOD AND DEVICE FOR GRINDING BALLS OR ROLLERS. PAUL BRÜHL, Dusseldorf, Germany, assignor to Maschinenfabrik Rheinland A. G., Dusseldorf, Germany, a Firm. Filed Oct. 11, 1920. Serial No. 416,300. 6 Claims. (Cl. 51—130.)



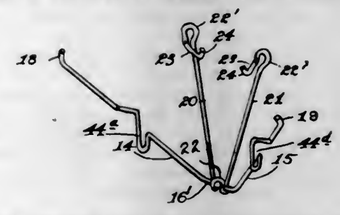
3. In a device of the kind described in combination, two non-rotating blocks, resilient means for pressing said blocks towards each other, at least one of the contiguous block surfaces being a grinding surface, a work piece support, rotatable about an axis which is located outside said blocks, partly inserted between said blocks, means connected with said support for rigidly fixing said work piece thereon, and a groove in one of said blocks, which follows the path of said work piece.

1,500,486. TELEGRAPH TRANSLATOR AND CIRCUITS THEREFOR. ALLEN D. CARDWELL, Brooklyn, N. Y., assignor to American Telegraph Typewriter Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Feb. 2, 1917. Serial No. 146,193. 12 Claims. (Cl. 178—33.)



1. A translator of the class described comprising a magnet, a starting circuit, a working circuit, and a holding circuit for the magnet, means to make and break said starting circuit at will, means controlled by the magnet to close the working circuit and to break the starting circuit of the magnet after the magnet has started, said means establishing the holding circuit for the magnet in case the first named means is closed at the termination of a cycle of operations of the magnet.

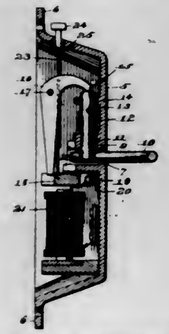
1,500,487. COMBINED SHELF AND BRACKET. ARVID F. CARLIN, Mamaroneck, N. Y. Filed Jan. 15, 1923. Serial No. 612,674. 5 Claims. (Cl. 248—18.)



2. In a corner shelf bracket, a substantially triangular shelf having apertures near its rear edges, and a bracket comprising a wire having a vertical portion with the end bent to a vertical plane to form a supporting eye, and the extremity bent below the eye to extend forward some distance under the shelf and then extended upwardly to detachably engage a shelf aperture, the lower

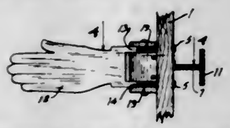
end of the vertical portion being bent to form an eye, the bracket also including inclined portions formed by a wire having a loop at its middle portion engaging said lower eye on the vertical portion, said latter wire having each portion beyond the eye extended forwardly and upwardly to engage one rear side of the shelf respectively at an apertured portion in proximity to the forward part of the shelf, said inclined bracket portions being bent to form a loop of U-shape opening upwardly, and a bar provided near each end with an annular groove whereby the bar is engaged by the loop to support the bar on the bracket below the shelf.

1,500,488. RELEASABLE CONNECTER. EDWARD DEATRICK, Lancaster, Pa. Filed Apr. 18, 1922. Serial No. 554,560. 5 Claims. (Cl. 74—93.)



1. A releasable connector embodying a casing having an opening therein, a connecter member insertable into said opening, a movable bolt adapted to engage and release said connecter member, a bolt-operating lever having a portion thereof in the path of said connecter member, means for retaining said lever in bolt-thrusting position, and means for retracting the bolt and causing said lever to strike and eject the connecter member.

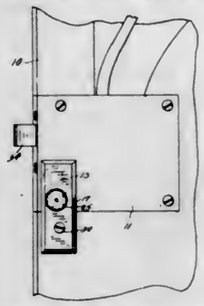
1,500,489. AUTOMOBILE TRAFFIC SIGNAL. OTTO ENAX and ROY D. ZILK, Denver, Colo. Filed Jan. 24, 1924. Serial No. 688,187. 2 Claims. (Cl. 116—52.)



2. In an automobile traffic signal, in combination, a U-shaped frame bracket having a substantially straight central portion with the end portions bent at right angles thereto, a shaft rotatably mounted in said end portions, a signal member secured to said shaft, said member having two spaced arms, the ends of which are nonrotatably secured to the shaft, a bevel gear also secured to said shaft between said arms, a bar rotatably mounted in the base of said bracket, a bevel gear on said bar, said gear meshing with the gear on the shaft, a casing for enclosing said shaft and gears, said casing having guiding lugs for engaging the side of the end portions of the bracket, said casing also having transverse slots for the reception of the spaced arms of the signal member, and means for securing the casing to the bracket.

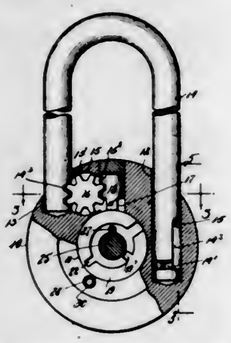
1,500,490. SPINDLE LOCKING DEVICE FOR VEHICLE DOORS. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles and Company, New Haven, Conn., a Corporation of Connecticut. Filed Sept. 6, 1921. Serial No. 498,741. 9 Claims. (Cl. 292—358.)

1. In combination with a lock having a spindle with a projecting free end, a locking attachment for the spindle comprising a support, an element mounted on said projecting end to turn with the spindle and carried by the



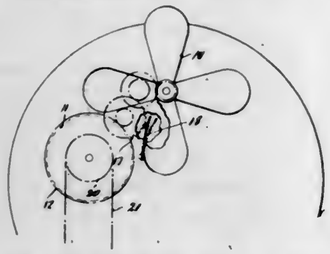
support independently of the spindle, and manually operable means carried by the support for locking said element against turning.

1,500,491. PADLOCK. GEORGE GRONELL, New York, N. Y. Filed Nov. 22, 1922. Serial No. 602,543. 6 Claims. (Cl. 70—113.)



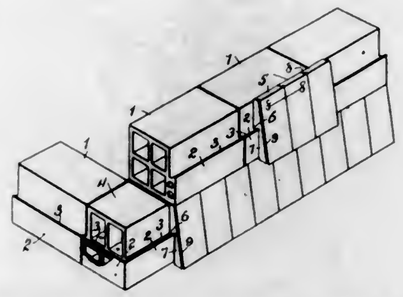
1. A pad lock comprising a body portion, a vertically movable and pivotally supported shackle and having its locking end toothed, a pinion in said body capable of meshing with said locking end, a rack arranged parallel to said toothed end and meshing with said pinion diametrically opposite said toothed end and means for arresting said rack and thereby locking said pinion and shackle in closed position.

1,500,492. AUTOMATICALLY-CONTROLLED VENTILATOR OR FAN. CHARLES HOLZENDORF, New York, N. Y. Filed Oct. 22, 1923. Serial No. 669,896. 1 Claim. (Cl. 230—1.)



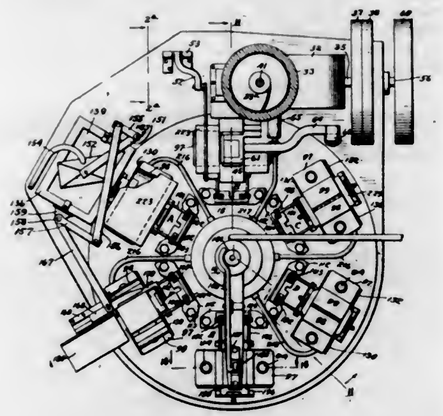
In a fan, the combination with its spindle, of a spring operated clock mechanism operating said spindle, and a motion control mechanism comprising a wheel and thermostatic stop cooperating with said wheel, to release or arrest the same according to the temperature influencing said stop.

1,500,493. WALL CONSTRUCTION. CHARLIE E. HUFFMAN, Beatrice, Nebr. Filed Sept. 9, 1921, Serial No. 499,481. Renewed Dec. 15, 1923. 3 Claims. (Cl. 72—21.)



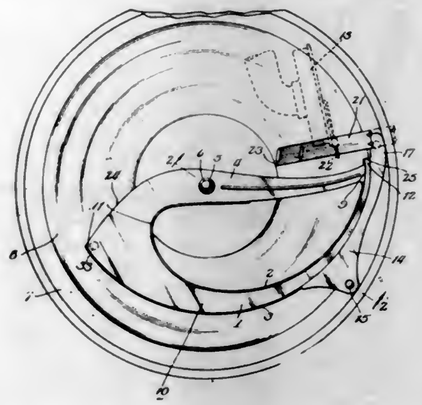
1. A wall comprising layers of blocks, each block of each layer having on its outer side a horizontal longitudinal ledge having in its upper side a longitudinal groove, the ledges of a layer alining with each other, and shingles supported on said ledges and having on their inner sides respectively overhanging flanges mounted in the adjacent grooves, the ledges of one layer overlapping the upper ends of the shingles next below and arranged to hold the shingles from being lifted to positions in which the flanges can pass over and out of their supporting ledges, substantially as set forth.

1,500,494. PACKAGING MACHINE FOR PLASTIC MATERIALS. LEWIS B. HUNTER, Yonkers, N. Y., assignor to Phenix Cheese Company, a Corporation of New York. Filed Feb. 6, 1922. Serial No. 534,634. 10 Claims. (Cl. 93—7.)



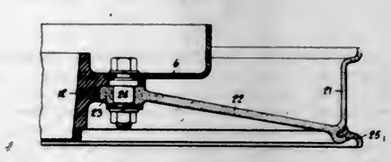
1. A device of the character described, comprising a turntable, means for turning the same step by step, a package wrapping platform mounted upon said turntable and revoluble therewith, folder mechanism carried by said turntable and disposed adjacent said package wrapping platform, a pneumatic holdfast carried by said turntable and connected with said package wrapping platform, for temporarily securing a wrapper upon said package wrapping platform, and a pipe connected with said pneumatic holdfast and extending away from said turntable, for maintaining a partial vacuum in said pneumatic holdfast.

1,500,495. TALKING-MACHINE REPEATER. WALTER H. HUTH, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,441. 21 Claims. (Cl. 274—15.)



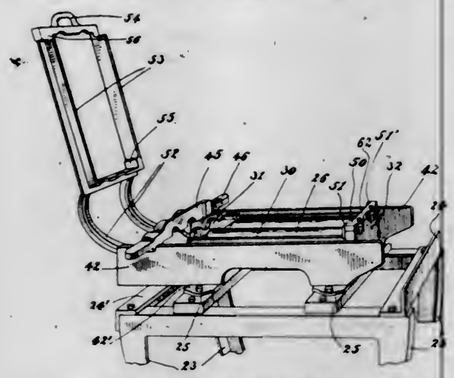
1. In a repeater for talking machines, in combination, a body having retaining means to engage the stylus or needle of the machine during the playing of the record, to retain the repeater against rotation, and having guiding means to return the needle or stylus to starting point on the record, supporting means on said body to engage the center post of the turntable of the machine, supporting means on said body to engage the smooth outer surface of the record, with the greater portion of the weight of said repeater at one side of a radial line intersecting the points of contact of said two supporting means on the record, so that the mouth of said guiding means at one side of said line tends to tilt downward about an axis approximating said radial line, while said retaining means at the other side of said line tends to tilt upward, and engaging means on said body to bear against the record at opposite sides of said radial line, the engagement of the stylus or needle with said retaining means tending to tilt this lighter end of the repeater downward, whereby during playing of the record the weight of the repeater is mostly if not entirely on said supporting means and pressure of said engaging means is reduced on the record, the bottom of said guiding means being hard and glassy and of sufficient width to provide a different path each time for the point of the needle, thereby to minimize the friction between the needle and the repeater, and thereby to enable said supporting and engaging means to function with as little friction as possible.

1,500,496. PRODUCTION OF WHEELS. ARTHUR S. HYDE, Hartford, Conn., assignor to Baush Machine Tool Company, a Corporation of Massachusetts. Filed June 21, 1920. Serial No. 390,404. 4 Claims. (Cl. 301—63.)



2. A vehicle wheel having the supporting portion between the hub and the rim made of an aluminum alloy of the class described consisting mainly of aluminum, and a rim made in one piece with said supporting portion and which has been worked and heat treated to increase its density, tensile strength and elastic limit.

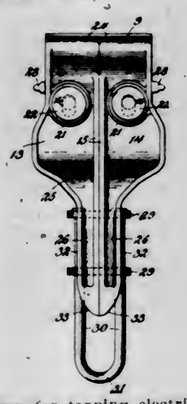
1,500,497. CONCRETE-ROOFING-TILE MACHINE. EMIL R. JAHNA, Perrysville, Ind. Filed May 9, 1922. Serial No. 559,551. 2 Claims. (Cl. 25—43.)



1. A tile making machine comprising a frame, a pair of rails on the sides of said frame, means for forming the lower side of a tile, a manually operable smoothing bar, blocks dowelled to said bar slidable on said rails, means for adjusting said blocks relative to said bar, and guide lugs on said blocks engaging the sides of said rails.

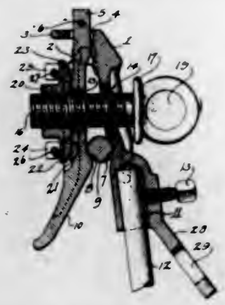
2. A tile making machine comprising a frame, a pair of spaced rails on said frame, means in said frame for forming a tile, a tamping bar slidable on said rails, a smoothing bar removably engaging said rails, blocks dowelled to said bar, and a screw intermediate said dowels for adjusting said smoothing bar relative to said rails by raising or lowering the same, said blocks having guide members contacting with the sides of said rails.

1,500,498. SNAP CLAMP FOR TAPPING ELECTRIC CONDUCTORS. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed Nov. 13, 1918. Serial No. 262,366. 9 Claims. (Cl. 173—273.)



3. A snap clamp for tapping electric line conductors, comprising a jaw having a holder for a branch conductor, and another jaw comprising a plurality of separate contiguous members hingedly connected to the first jaw and provided with spring compression means individual thereto for constraining the members of the second-named jaw independently and elastically toward the first-named jaw, said second-named jaw members each having a tail continuation at the end remote from the hinge connection and in divergent relation to the first-named jaw, and said tail continuation narrowing in width from the sides of the second-named jaw toward the longitudinal center line thereof.

1,500,499. CLAMP FOR ELECTRICAL CONDUCTORS. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed Jan. 10, 1923. Serial No. 611,790. 14 Claims. (Cl. 173—273.)

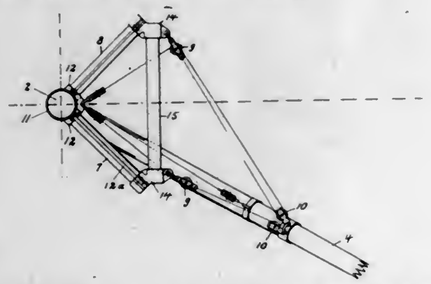


4. A clamp for electrical conductors, comprising a pair of associated jaws, one having an inwardly-turned flange at its rear end with an opening therein elongated in a direction substantially perpendicular to the meeting faces of the jaws, the other jaw having a rearwardly-extending reduced end portion projecting through said opening and adapted to move lengthwise of said opening to permit opening of the jaws, said jaws having opposed grooves extending across their adjacent faces and adapted to receive an electrical conductor wire, said jaws being provided with alined openings extending therethrough between their interengaging rear end portions and the opposed grooves, and a screw-threaded pin and nut cooperating with the alined openings to clamp the jaws about said wire.

1,500,500. PAPER MAKING. FREDERICK KAYE, Ashton-on-Mersey, England. Filed June 22, 1921. Serial No. 479,642. 6 Claims. (Cl. 92—21.)

1. The process of making paper, which consists in adding to the paper pulp after digestion and prior to passing the pulp through a paper-making machine, a rubber-containing latex, mixing the mass thereby to disseminate the latex between the particles of pulp, and passing the mixed mass through a paper-making machine.

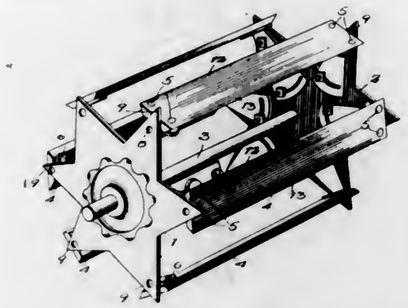
1,500,501. ADJUSTABLE GAFF. CARL W. A. KOELKEBECK, Pittsburgh, Pa. Filed Sept. 29, 1921. Serial No. 504,158. 4 Claims. (Cl. 114—97.)



1. A vessel having in combination therewith a non-rotatable mast, a gaff, a sail depending from the gaff, halyards for raising the gaff, arms secured to the mast and extending from the mast in directions at angles to the center line of the vessel, and means carried by the arms and adapted to engage and maintain the gaff in any desired position relative to the center line of the vessel.

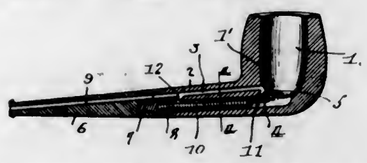
2. A vessel having in combination therewith a non-rotatable mast, a gaff, a sail extending from the gaff, halyards for raising the gaff, arms secured to the mast and extending from the mast in directions at right angles to the center line of the vessel and means extending from the arms to the gaff for shifting the latter in directions transversely of the vessel.

1,500,502. ROTARY PLOW. JOHN WILLIAM KUHN, Belleville, Kans. Filed Apr. 18, 1922. Serial No. 554,725. 2 Claims. (Cl. 97—215.)



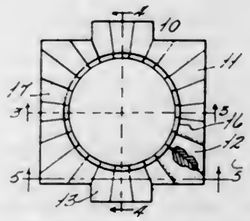
1. In a device of the character described, a pair of spaced-apart parallel star wheels, said star wheels being axially alined and arranged with corresponding pointed portions thereof in transverse alinement, substantially flat blades arranged between corresponding pointed portions of the two star wheels, and each blade extending at its opposite sides beyond the planes of the side edges of a pair of the pointed projections of the star wheels, said blades having cutting edges at opposite sides thereof, and blade holding members arranged at opposite ends of each blade for attaching the latter to the star wheels, whereby the angular relation of said blade to a radial line extending thereto from the axes of the star wheels may be varied.

1,500,503. SMOKING PIPE. JOSEPH ISIDORE LE BEL, Montreal, Quebec, Canada. Filed July 5, 1923. Serial No. 649,738. 7 Claims. (Cl. 131—12.)



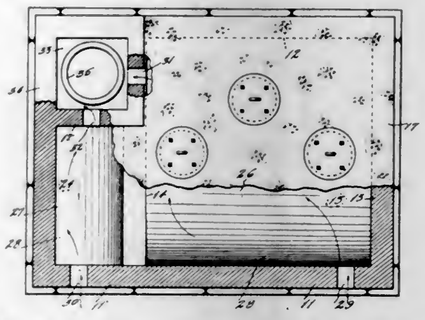
1. A smoking pipe comprising a bowl and a stem, said stem having formed therein a draft passage and a moisture chamber, both in separate communication with the bowl, said chamber being disposed beneath the passage, and inclined ducts connecting said passage and moisture chamber near the ends thereof.

1,500,504. THIMBLE. GUS F. LENK, Dallas, Tex. Filed Sept. 29, 1923. Serial No. 665,615. 6 Claims. (Cl. 110—1.)



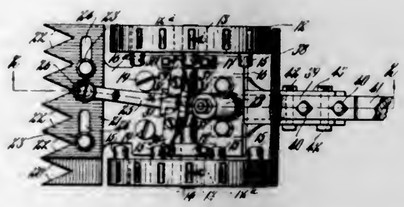
6. In a furnace structure, the combination with the roof of a combustion chamber having a charging hole therein, and a metal hopper depending in said hole, of a thimble composed of radiating interlocking blocks surrounding the lower end of the hopper and set into the roof there being ample clearance between the hopper and the thimble to constitute an expansion joint.

1,500,505. VENT STRUCTURE FOR FURNACES. GUS F. LENK, Dallas, Tex. Filed Sept. 29, 1923. Serial No. 665,616. 8 Claims. (Cl. 110—1.)



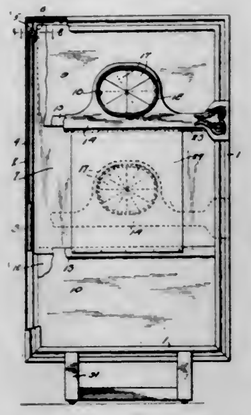
6. In a furnace, the combination of a burning chamber having a front wall and an arch at its top, a combustion chamber having a front wall and an arch at its top, a floor spaced above the arches, a stack connected with the combustion chamber and having a smoke conduit, an air chamber extending horizontally between the arches and the floor, an air admitting duct in the front wall of the burning chamber between the arch and the floor, a second air admitting duct in the front wall of the combustion chamber between the arch thereof and the floor, both of said ducts leading to the air chamber, a pair of air outlet ducts leading through the sides of the stack from the air chamber, and a vertical air passage in the stack separate from the conduit into which said outlet ducts discharge.

1,500,506. LAWN MOWER. JAMES J. LESSLIE, Boston, Mass. Filed Feb. 5, 1924. Serial No. 690,736. 3 Claims. (Cl. 56—263.)



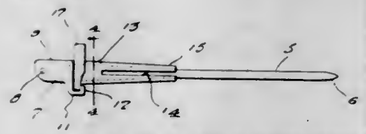
1. A lawn mower comprising an axle; spaced apart traction wheels fixed to the axle and each provided with a circular row of tappets concentric with the axle, the tappets of one wheel being in staggered relation to those of the other; a holder hung upon the axle between the wheels; a fixed serrated cutter on the forward end of the holder; a movable serrated cutter slidable on the fixed cutter; a rocker-arm pivoted to the rear portion of the holder and loosely jointed to the movable cutter, said arm being provided with abutments; and dogs pivoted to the rocker-arm, projecting oppositely therefrom into the paths of the tappets and held yieldingly against said abutments, the arrangement being such that when the mower is moving forward, the dogs are rigidly supported by the abutments and positively oscillate the rocker-arm, so that the movable cutter is reciprocated, and when the mower is moving backward, the dogs yield to the tappets, so that the rocker-arm and movable cutter remain at rest.

1,500,507. THEATRICAL DEVICE. LEON LEVY, New York, N. Y. Filed Dec. 30, 1921, Serial No. 525,983. Renewed Jan. 9, 1924. 5 Claims. (Cl. 46—70.)



5. In a theatrical device, an upright frame; a plate provided with a hole, adapted to slide in said frame; a bar or cannon support provided with a hole, fixed to one side of said plate; a second bar or cannon support detachably mounted on the back of said frame and provided with a hole; star traps mounted in the holes of said first and second supports and adapted to conceal the hole in said plate.

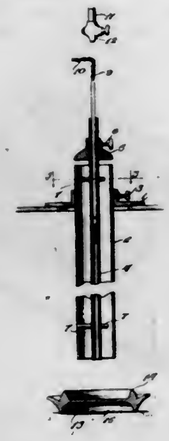
1,500,508. SHUTTLE SPINDLE AND COP-TUBE HOLDER THEREFOR. GEORGE LUX, Quakertown, Pa. Filed Dec. 5, 1923. Serial No. 678,653. 7 Claims. (Cl. 139—208.)



5. In combination with a shuttle spindle having a head at its inner end adapted for pivotal connection with a shuttle and formed with a tapered inner end portion that increases gradually in diameter toward the spindle head, a cop tube holder including a sleeve tapered internally and externally and adapted to fit the tapered portion of the spindle, said cop tube holding sleeve being provided with a plurality of jaw members expansible by the tapered portion of the spindle into gripping engagement with the interior of a cop tube, when said cop tube holding sleeve is moved onto the spindle toward its head beyond a predetermined point, means to simultaneously lock the cop tube holding sleeve upon the spindle and to cause its movement relative to the spindle toward the head, beyond said predetermined point, said last named means comprising a hook member rigid with the head of the spindle, and a cam flange upon the inner end of the cop tube holding sleeve having a cam face engageable with the free end portion of said hook, whereby the movement of the cop tube holder sleeve is had for expanding its jaws upon relative rotation of the spindle and cop tube holder.

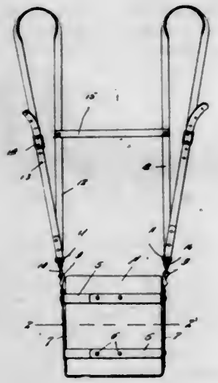
1,500,509. OIL BURNER. DOYLE W. MCCULLOCH, Blackwell, Okla. Filed Mar. 14, 1923. Serial No. 625,026. 1 Claim. (Cl. 158—91.)

A liquid fuel burner comprising concentric open-ended burner tubes, spaced rests within the outer tube bearing against the inner tube, securing members mounted in the wall of the outer tube and engaging the inner tube and cooperating with the rests to secure the inner tube in place, a splash plate disposed below and in spaced



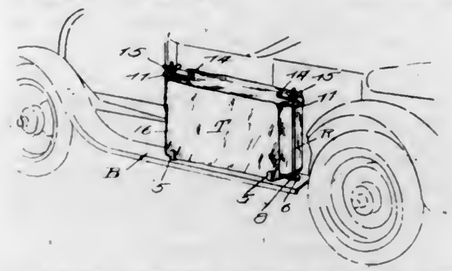
relation to and in axial alinement with the burner tubes, and means for supplying fuel to the inner burner tube at the upper end of the same.

1,500,510. CARRIER FOR MINERS' BATTERY BOXES. CARL MCELVAR and SAMUEL SIMMONS, Nesquehoning, Pa. Filed Apr. 30, 1923. Serial No. 635,765. 1 Claim. (Cl. 224—5.)



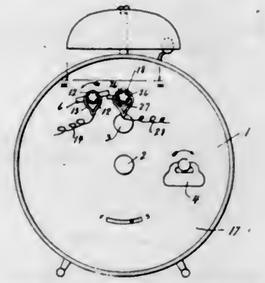
A battery box carrier including a pair of strap members, the ends of each strap member being permanently secured together, said members being formed into rectangular shape and arranged in horizontal spaced relation, a U-shaped member having the end portions doubled upon the adjacent portion of the member to form fastener securing eyes, means extending through said doubled end and the opposite end portion of the upper rectangular strap member for permanently securing said members together, means for securing the lower rectangular strap member to the U-shaped member above the bottom portion thereof, and shoulder straps having means cooperating with said fastener receiver eyes for detachable connection therewith, whereby said rectangular strap member, and said U-shaped strap member form a receptacle for slidably receiving a battery box therein.

1,500,511. LUGGAGE HOLDER. CHARLES D. MCKENNEY, Petersburg, Pa., assignor to the Seward Trunk and Bag Company, Petersburg, Va., a Corporation of Virginia. Filed Aug. 13, 1923. Serial No. 657,000. 7 Claims. (Cl. 224—29.)



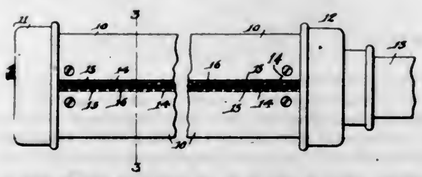
1. A device of the class described comprising, in combination, a rod, means for connecting an end portion thereof to the running board of a vehicle, a member adapted to be rested upon said running board and disposed transversely thereof, an outstanding arm carried by the central portion of the member, the rod extending through said arm, said rod having a shoulder coacting with said arm whereby the rod, when in applied position, maintains the member upon the running board.

1,500,512. ELECTRIC SWITCH. CARL W. MATSON, Westport, Oreg. Filed Nov. 27, 1922. Serial No. 603,683. 3 Claims. (Cl. 200—35.)



1. In combination with an alarm clock having a key for winding the alarm when revolved in one direction adapted to be revolvel in the other direction when the alarm becomes active, a metallic arm extending from the key and a stud of insulating material mounted in operative proximity to the key having a metallic socket threadedly secured thereon with a metallic arm extending from the socket into the path of the key arm when the socket is screwed tight on the stud adapted to be removed from the path of the key arm when the socket is unscrewed through a fraction of a turn.

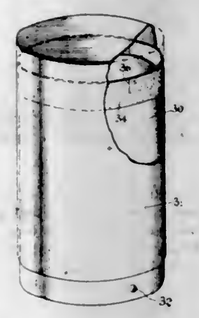
1,500,513. GAS BURNER. EDWIN C. MERRILL, Pittsburgh, Pa. Filed Mar. 19, 1923. Serial No. 626,079. 1 Claim. (Cl. 158—99.)



A gaseous burner comprising a tubular body having a longitudinally directed opening in one side and the edges of the opening turned inwardly to form support-

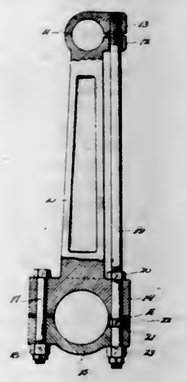
ling ribs, a grid of corrugated strips disposed within said opening and between said ribs, a holding member notched to receive said inturned ribs and the corrugated strips therebetween, and clamp devices operating to bind said holding members to the inturned portions of the body.

1,500,514. INSECTICIDE CONTAINER AND DISTRIBUTOR. ANN LEMUEL MILLIGAN, Atlanta, Ga. Filed Mar. 30, 1922. Serial No. 548,007. 1 Claim. (Cl. 43—146.)



An insecticide container and distributor comprising inner and outer telescoping sections, and an annular strip secured to the terminal portion of the inner section and having a plurality of transverse incisions defining a plurality of partly severed arcuate portions, said partly severed arcuate portions being adapted to provide a powder tight connection between the inner and outer sections.

1,500,515. CONNECTING ROD. GEORGE TOMAS MORRIS, St. Louis, Mo. Filed Aug. 21, 1923. Serial No. 658,577. 5 Claims. (Cl. 74—17.)

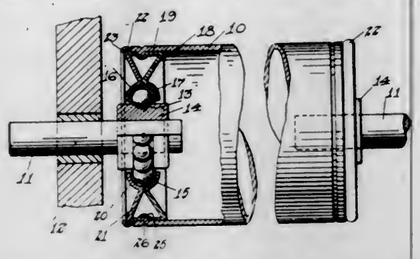


3. A connecting rod provided at one end with a split wrist pin bearing and at its opposite end with a bearing block, a rod rotatably fitting through the block to engage said bearing and provided with a shoulder to cooperate with the block whereby the rod may be rotated for tightening the bearing, and a bearing cap mating with said block and connected therewith by said rod, the cap being recessed to snugly accommodate said shoulder coacting therewith for locking the rod in rotatably adjusted position.

1,500,516. BALL-BEARING HEAD. FRED S. MORTON, Worcester, Mass. Filed Apr. 27, 1923. Serial No. 635,172. 3 Claims. (Cl. 64—36.)

1. As an article of manufacture, a conveyor roll comprising a pipe or tube having open ends and provided with a head in the end thereof having ball bearings and pro-

vided with a cylindrical outer surface and two opposite webs inside this cylindrical surface, the said cylindrical wall having an outwardly extending shoulder at one end for engaging and limiting the position of the roll on the head, one of said webs having an integral cylindrical wall beyond it at its circumference provided with an abrupt



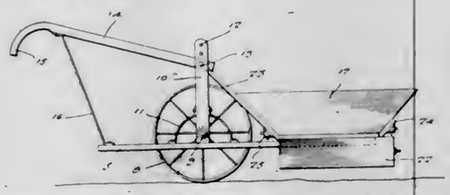
shoulder near the end of the cylindrical surface, with a circular groove under the shoulder for receiving the edge of the opposite web and being bent down around the last named edge to firmly hold the two parts together, said cylindrical wall also being provided with a circumferential groove for receiving a projection extending inwardly from the pipe or tube.

1,500,517. RAIL CHAIR AND COUPLER. WILLIAM F. MOUSER, Lodge, Mo. Filed Jan. 19, 1924. Serial No. 687,335. 2 Claims. (Cl. 238—177.)



1. A rail joint chair having a longitudinally extending, vertical recess formed therein, the recess extending to the ends of the chair, the middle portion of the recess being laterally enlarged and one wall of each end portion of the recess being vertically cut away, rails formed with a vertical web and base flanges, the adjacent ends of each rail having a width approximately equal to the width of the enlarged portion of the slot in the chair, the base flanges being cut away inward of the rail ends to permit the insertion of the web of the rail in the narrow portion of said longitudinal slot in the chair, the rail end adjacent its base having a longitudinally extending groove, and a pin adapted to be passed through the slot of the chair and through the longitudinal grooves in the heads of the rails to thereby lock the ends of the rail in the chair.

1,500,518. INSECT TRAP. FRANK E. MULLEN, Lexington, Miss. Filed Nov. 6, 1923. Serial No. 673,112. 1 Claim. (Cl. 43—133.)

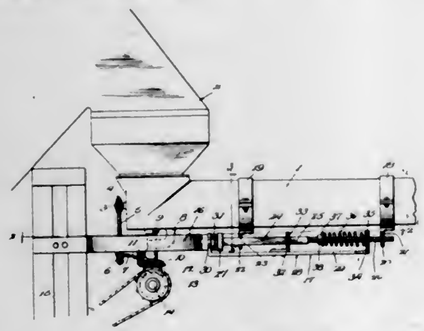


In an insect trap of the character described, a wheeled platform having a rearwardly extending handle for facilitating manual movement of the device along a row of plants and provided with a slot in the forward end portion thereof, a hopper disposed above the forward end of the platform and having a tubular outlet depending into but spaced entirely from the walls of said slot, and a removable drawer slidably suspended from the platform beneath said outlet of the hopper, said platform having a further slot in the rear end portion thereof in which the supporting wheel of the platform is positioned, uprights upon the platform supporting a transverse axle at the lower end upon which the supporting wheel is journalled, the forward end of the handle being adjustably attached to the upper ends of said uprights.

1,500,519. COMPOUND FOR TREATING HAIR. RAUL DIEZ MUÑO and ALEJANDRO LIMA Y BOYZ, Habana, Cuba. Filed Oct. 22, 1923. Serial No. 670,202. 3 Claims. (Cl. 167—5.)

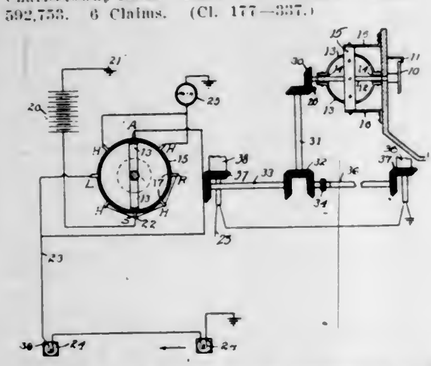
2. As an article of manufacture, a compound for the hair comprising a cereal flour, alum, bicarbonate of soda and water, reduced by heat to a paste.

1,500,520. SPOUT LOCK. OSCAR L. NEANDER, Aurora, Nebr. Filed Aug. 11, 1923. Serial No. 656,980. 7 Claims. (Cl. 198—125.)



1. The combination with a delivery spout supported for angular adjustment about a fixed axis, of a fixed friction member concentric to the axis, and yieldable means operatively connected with the spout frictionally engaging the said friction member.

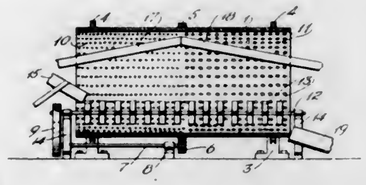
1,500,521. DIRECTION SIGNAL. PETER Z. NICHOLAS, Charlestown, Mass. Filed Oct. 6, 1922. Serial No. 592,753. 6 Claims. (Cl. 177—337.)



5. In a direction indicator, the combination with a rotary controlling wheel, a shaft on which said wheel is mounted, a pair of electric-conductors constituting brushes fixed on opposite sides of, and rotating with, said shaft, said brushes being connected together and insulated from the shaft, a ring of insulating material located in position for its inner surface to be engaged by said brushes all the time as they rotate, said ring having a series of

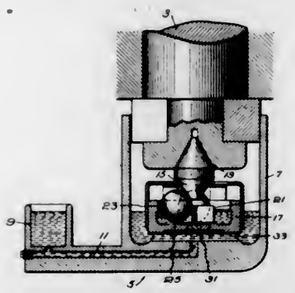
inserts of conducting material flush with the inner surface thereof and arranged in opposite pairs whereby said brushes will contact with them and establish electrical connections one by one as they rotate, a source of electrical energy connected to half of the inserts on one side of the ring, a conductor connected with the inserts on the other side, an electric lamp connected with said conductor, whereby the lamp will be lighted when the brushes contact with the inserts connected with it, a rod on which said electric lamp is located, a hollow shaft surrounding said rod, means connected with the first named shaft for rotating the hollow shaft at the same time the first named shaft is rotated and to the same degree, and a casing on the hollow shaft surrounding the lamp and rotating with the hollow shaft, said casing having four sides each provided with means for indicating a different direction, whereby the one visible to the public will show the direction in which the controlling wheel is set.

1,500,522. GRAIN SEPARATOR. LEON D. OBERT, Underwood, Minn. Filed June 2, 1923. Serial No. 643,043. 2 Claims. (Cl. 130—18.)



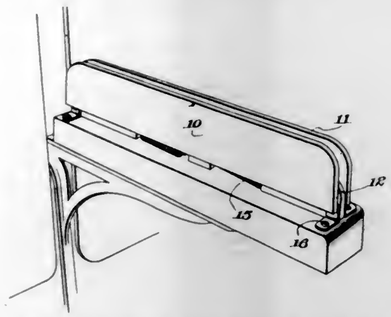
1. A rotary separator comprising a rotatable separator cylinder having groups of pockets of different size formed upon its internal face, oppositely inclined chutes extending through and arranged adjacent the upper portion of said cylinder for receiving and discharging matter delivered thereto from said groups of pockets from the cylinder, agitating means arranged in said separator cylinder in proximity to its lower portion, a delivery chute extending into one end of the cylinder adjacent the smaller group of pockets, and a discharge chute extending from the opposite end of said cylinder adjacent the larger group of pockets.

1,500,523. BEARING. CARL G. OSTEMAN, Boston, Mass., assignor to S. A. Woods Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 29, 1921. Serial No. 525,691. 3 Claims. (Cl. 64—49.)



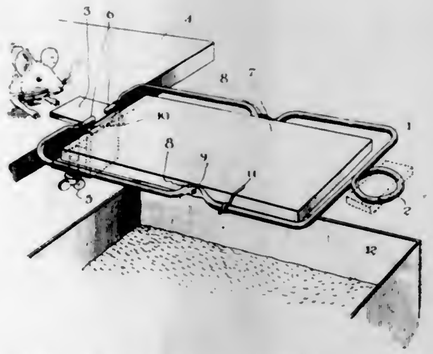
1. In combination with a shaft a step support therefor shaped to contain an oil supply, raised portions on the bottom thereof, a cup-shaped member having a perforated bottom freely resting on the support, a set of balls in the cup, a separator for the balls comprising radiating vanes, and a toe on the shaft entering between the balls.

1,500,524. ARMREST. WILLIAM E. PHILLIPS, Jacksonville, Fla. Filed May 11, 1923. Serial No. 638,299. 3 Claims. (Cl. 155—198.)



1. A chair attachment comprising a vertical wall adapted to be secured to the arm of a chair, an arm rest hingedly mounted on said wall and adapted to be swung from a normal and vertical position to a horizontal position for use, and means for automatically returning the arm rest to its normal position when the arm is removed from said rest.

1,500,525. TRAP. HUMBERT PIERINI, Greenville, Miss. Filed Oct. 29, 1920. Serial No. 420,426. 5 Claims. (Cl. 43—69.)

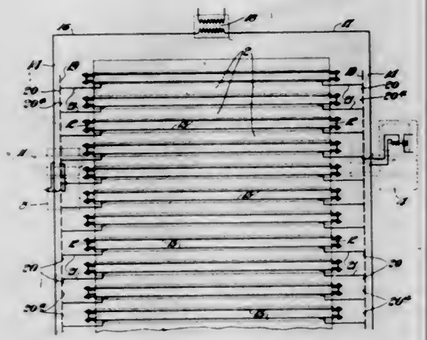


1. A device of the character specified, comprising a substantially rectangular frame having means at one end for clamping the frame to a table top or the like with the frame extending horizontally, and having at the other end an extension for supporting bait, a plate pivoted within the frame intermediate the ends of the plate, and mounted to normally tilt downward at the end adjacent to the clamp, said plate being adapted to tilt in the opposite direction under a slight excess of weight at the end adjacent to the bait holder, and means for normally preventing downward movement of the first named end of the plate, said frame being formed from a single length of wire, bent to shape having at one end an integral coil or loop for supporting the bait and having the wire at the other end of the frame bent inwardly in opposite directions.

1,500,526. COKE-OVEN INTERLOCKING AND SIGNALING MECHANISM. FRANK KENNETH PORTER, Clairton, Pa. Filed Nov. 3, 1923. Serial No. 672,693. 5 Claims. (Cl. 214—23.)

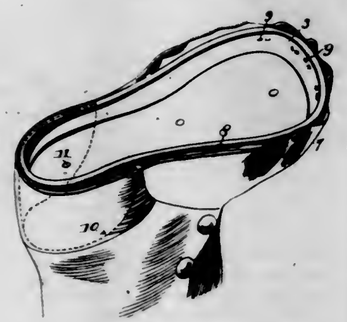
1. In an apparatus for the destructive distillation of coal, a battery of ovens, each of said ovens being adapted to be pushed from one end and discharged from the

opposite end, a door operating machine movable along the discharge end of said ovens, and a pusher machine movable along the pushing end of said ovens, a ram carried by said pusher machine and adapted to enter and discharge the ovens, an electric motor for operating



said ram, means for completing an electric circuit to said motor, and means for preventing the completion of said electric circuit until both the door operating machine and pusher machine are positioned at the opposite ends of the same oven.

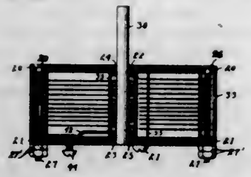
1,500,527. METHOD OF MAKING SHOES. ADAM H. PRENZEL, Halifax, Pa. Filed Mar. 9, 1920. Serial No. 364,382. 8 Claims. (Cl. 12—142.)



5. The method of making shoes, including molding a peripheral flange on an insole by turning the edge at right angles, drawing the upper leather and lining of a shoe over the flange until it substantially meets the edge, running a primary row of stitching around the base of the flange through the lining and upper leather in the plane of the sole with a curved needle, said flange then serving as a guide for the associated guide finger of said needle; and turning the flange so as to provide a flat insole surface, which then has a row of stitches spaced in from the edge.

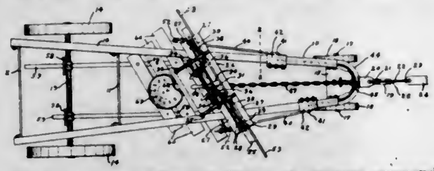
1,500,528. VARIABLE ELECTRIC PLATE CONDENSER. FAY F. RATHBUN, Jamestown, N. Y. Filed July 7, 1922. Serial No. 573,370. 6 Claims. (Cl. 250—41.)

2. In an electric condenser, a series of spaced plates, a tubular member having a series of lateral slots to receive portions of the respective plates to allow such portions to project within the interior of the member,



and a meltable binding means in the interior of the tube filling the spaces between the said portions of the plates and surrounding such portions.

1,500,529. ROAD-SURFACING MACHINE. DANIEL B. REARDON, Council Bluffs, Iowa, assignor to Bernard S. Reardon, Sioux Falls, S. Dak. Filed Dec. 1, 1921. Serial No. 519,114. 1 Claim. (Cl. 37—155.)



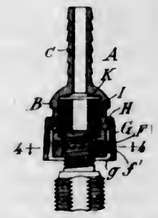
In a road maintainer, a frame, a scraper suspended beneath the frame, blocks mounted on the frame and connected to opposite ends of the scraper, a chain connecting the blocks together and extending around the forward end of the frame, a spring pressed bolt carried by the frame and adapted to extend forwardly through the chain for locking the same from sliding movement, a latch cord connected to the bolt, a lever pivotally connected between its ends to the latch cord and having a flat inner end and a flat edge at right angles thereto adapted to seat one at a time against said frame for maintaining the latch cord retracted and released, said lever also having a handle portion on its other end for manipulating the lever.

1,500,530. CLOTHESLINE PROP. RICHARD J. RILEY, Jennings, Mo. Filed July 2, 1923. Serial No. 649,062. 6 Claims. (Cl. 68—12.)



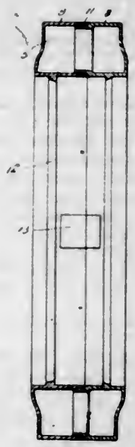
1. A clothes line prop having a line receiving slot, a line gripping clip having resilient arms and a V-shaped gripping portion between said arms to move across said slot for gripping the line in said portion, and guiding means for the clip carried by the prop, said arms being engageable with said guiding means to hold the clip in line gripping position and having finger pieces for disengaging the arms from said means and for moving the clip in said means from said position.

1,500,531. QUICK-ACTING PUMP COUPLING. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y., and HENRY PHILLIP KRAFT, Ridgewood, N. J. Filed May 20, 1921. Serial No. 471,241. 5 Claims. (Cl. 285—150.)



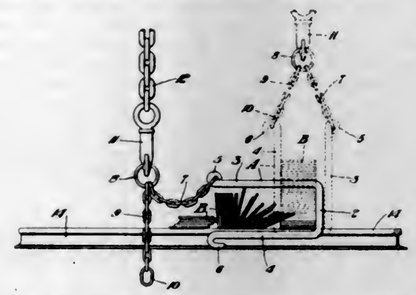
5. A pump coupling or the like, having a body portion provided with a bore and a recess a part movable in said recess in a direction at right angles to the longitudinal axis of the bore adapted to engage a threaded member therein to hold the coupling thereon, and a longitudinally movable sleeve carried by the coupling for moving said part into engaging position, said part and sleeve being formed with coacting surfaces.

1,500,532. TIRE ADAPTER FOR VEHICLE WHEELS. CLAUDE A. SHELTON, Mount Airy, N. C. Filed Sept. 27, 1923. Serial No. 665,040. 1 Claim. (Cl. 152—23.)



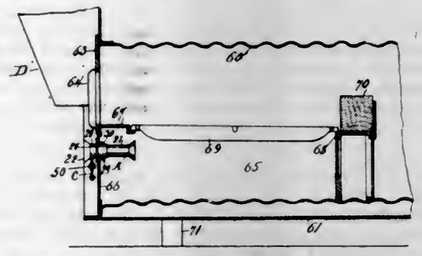
An adapter for conversion of a pneumatic tire truck wheel of standard make, having a fixed rim, formed on one side with an annular rib, and on the other side with an inclined abutment for a locking ring, into a non-pneumatic tread wheel, consisting of a pair of rings which are approximately U-shaped in transverse section, and having at their inner sides annular flanges adapted to bear against the opposite side portions of the rim structure, said rings abutting squarely against each other at their inner edges, and one of the rings being provided at its edges with continuous offset flange extensions which enter the other ring, and which bridge the joints along the lines of the abutting edges of the ring.

1,500,533. BAR-PILING APPARATUS. JAMES W. STUBBS, Steubenville, Ohio. Filed Nov. 3, 1923. Serial No. 672,664. 3 Claims. (Cl. 294—63.)



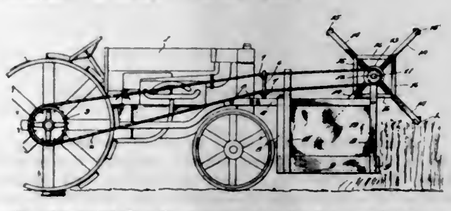
1. A bar repiling device comprising the combination with a lifting mechanism, of at least one U-shaped bar yoke adapted to have one of its legs passed under the bars to be piled, and lifting chains attached to the free ends of each of the legs of said bar yoke and to said lifting mechanism.

1,500,534. INDUCTION-TUBE FURNACE BLAST BLOWER. EDWIN H. SWIFT, Brooklyn, N. Y. Filed Feb. 2, 1921. Serial No. 441,798. 1 Claim. (Cl. 230—13.)



In combination a furnace blast blower comprising an induction and delivery conduit of two members telescoping with each other, one of said members having a flange extending from its outer surface and a flared inlet end and the other member having a flared outlet end, an induction tube for a propelling fluid supported in the conduit, piping connected to said induction tube for said fluid, a plate with an opening to support said member having the flange formed therewith, said flange bearing against one face of said plate, a loose sleeve on the member having said flange with one end bearing against the other face of said plate, a bayonet joint locking the members of the conduit together and a pin of said bayonet joint bearing against said sleeve.

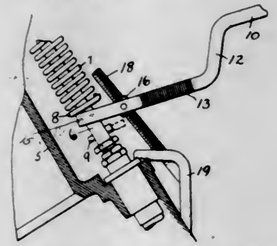
1,500,535. CLOVER HARVESTER. CLAUDE TAGGART, Martinsville, Ill. Filed Oct. 17, 1922. Serial No. 595,073. 1 Claim. (Cl. 56—130.)



An apparatus for the purpose set forth comprising supporting bars adapted to be secured at their rear ends to a portable support, front and rear hangers secured to and depending from said supporting bars, the front hangers

extending above the bars, transverse and longitudinal rails secured to and connecting the lower ends of said hangers, a floor carried by the lower ends of the hangers, posts rising from the supporting bars adjacent the rear hangers, a back wall secured to said posts and the rear hangers and rail, end walls secured to the hangers and the end rails, a shaft mounted in the upper ends of the front hangers, radial beater arms secured to said shaft, beater bars secured to and connecting the ends of the said beater arms and extending parallel with the said shaft, and means for rotating said shaft whereby the beater bars will be caused to travel rearwardly below the shaft through the open space between the front hangers.

1,500,536. VALVE LIFTER. ARCHIE TAYLOR, Scotch Plains, N. J. Filed Sept. 23, 1922. Serial No. 590,121. 2 Claims. (Cl. 29—86.3.)

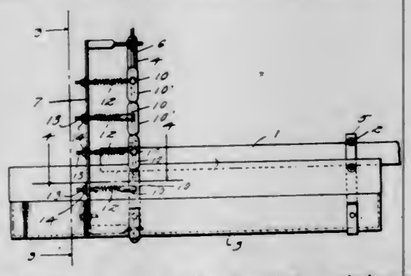


1. A valve spring lifter comprising a lever, a fork formed at one end thereof, a pivotally mounted block carried by the forked end of the lever, said block being internally threaded, a feed screw adjustable through the block, and a fulcrum element carried by the lower end of the screw to engage the flange of a cylinder.

1,500,537. WATERPROOFING FOR CLOTH. NATHANIEL A. THOMPSON, Kansas City, Kans. Original application filed Mar. 8, 1923, Serial No. 623,725. Divided and this application filed Mar. 8, 1923. Serial No. 623,727. 4 Claims. (Cl. 134—17.)

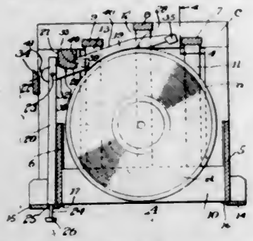
4. A process for making a water-proofing composition consisting of boiling 40 to 50 parts of heavy hydro-carbon oil with 5 to 10 parts rubber, adding 5 to 10 parts asphalt and then adding a filler of thirty to fifty parts.

1,500,538. BOLL-WEEVIL CATCHER. FRANK WILMOTH, Midlothian, Tex., assignor, by mesne assignments, to Standard Manufacturing Company, Dallas, Tex., a Corporation of Texas. Filed Oct. 4, 1922. Serial No. 592,318. 2 Claims. (Cl. 43—133.)



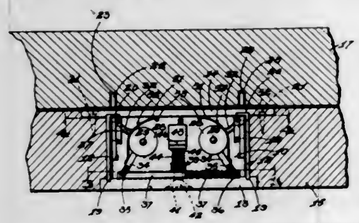
1. A machine of the class described consisting of a pan, a vertically disposed bracket securing the pan in place, a rod fastened in vertical position and to said bracket, a substantially U-shaped frame pivoted on said rod, beaters journaled on said rod movable in substantially a horizontal plane over said pan, contractile springs fastened to said frame and to said beaters, and means connecting said frame to the pan

1,500,539. RECORD HOLDER AND EJECTOR. PHILIP F. ADAMS, Los Angeles, Calif. Filed June 7, 1923. Serial No. 643,721. 5 Claims. (Cl. 211—16.)



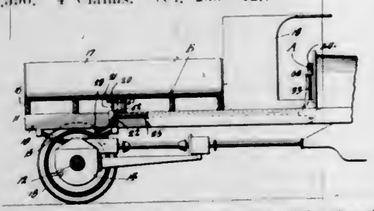
1. A record ejecting cabinet construction including a record compartment, a record ejector lever, a push rod pivotally connected to the record ejector lever, and compensating means for permitting a definite sliding movement of the push rod and a variable arcuate movement of the ejector lever, said compensating means comprising the pivot for connecting the push rod and ejector lever which may move in the direction of push rod thrust and also laterally, and a fixed abutment cooperating with a notch in the ejector lever.

1,500,540. WINDOW LOCK. JOHN G. BERANGER, Cambridge, Mass. Filed Nov. 29, 1922. Serial No. 603,952. 5 Claims. (Cl. 292—33.)



1. A lock comprising a casing; parallel sliding bolts operable in said casing and adapted to project from the same when extended to operative position; means for drawing said parallel sliding bolts into said casing; rack and pinion mechanism for operating the last mentioned means; a single operating bolt; the pinion of said rack and pinion mechanism being carried by said single operating bolt; said bolt being adapted to be moved to disengage the pinion from the racks of said rack and pinion mechanism; and means to retain said single operating bolt in one position with the pinion disengaged from said racks.

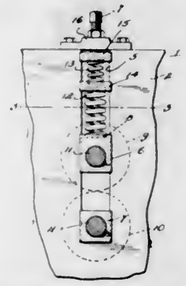
1,500,541. TRUCK SCALE. GEORGE A. BERNACHE, Northampton, Mass. Filed Nov. 2, 1922. Serial No. 598,590. 4 Claims. (Cl. 265—42.)



1. The combination with a motor vehicle chassis and a body secured thereto having a driver's cab, of a weighing mechanism associated with said chassis including an indicating portion mounted in the cab comprising a housing provided with a scale and an indicator movable over the scale, a shaft rotatable in the housing for supporting the indicator, a platform, means associating the

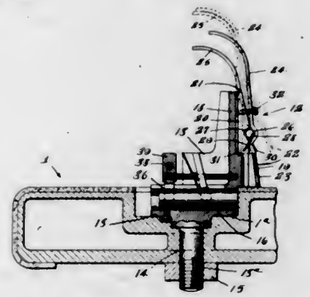
chassis with the platform, said platform being arranged to engage the lower surface of the body and adapted to be depressed by the body when the same is under load, a shaft extending longitudinally of the chassis, means connecting the platform and shaft for imparting movement to the shaft when the platform is depressed, a counter-shaft, means for imparting the movement of the longitudinal shaft to the counter-shaft, and means for operatively connecting the counter-shaft with the shaft supporting said indicator.

1,500,542. CORN-HUSKING MACHINE. EDWARD S. BLAUSER, Basil, Ohio. Filed Apr. 12, 1923. Serial No. 631,515. 1 Claim. (Cl. 130—5.)



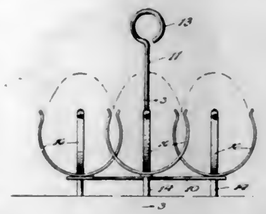
In a husking machine having unobstructed slots in its side walls, a pair of snapping rollers, upper and lower boxes engaged in the slots and in which the rollers are journaled, the upper boxes being movable in the slots, a pair of springs of unequal strength located in the slots, the lowermost springs being engaged with the uppermost boxes, plates interposed between the adjacent ends of the springs and movable with the lowermost springs to their fullest extent of depression, second plates upon the upper ends of the upper springs, and means for actuating the second plate to simultaneously contract both springs, as and for the purpose set forth.

1,500,543. SHIRT-IRONING MACHINE. PHILIP N. BRAUN, Syracuse, N. Y., assignor to The Prosperity Co. Inc., Syracuse, N. Y., a Corporation of New York. Filed July 23, 1920. Serial No. 398,508. 6 Claims. (Cl. 68—9.)



1. A shirt ironing machine comprising a lower pressing bed or buck, an upper pressing head movable toward and from the bed or buck, the pressing head being formed with a cutout at one end and a collar band holder comprising a base mounted on the upper face of the bed or buck in alinement with the cutout and having an upwardly extending part and clamping means carried by said part and comprising a member coacting with the edge face of the base to hold the collar band, said member including an upwardly extending handle, substantially as and for the purpose set forth.

1,500,544. ARTICLE CARRIER AND DISPLAY DEVICE. JACOB BROCKLEY, Newport News, Va. Filed Oct. 18, 1922. Serial No. 595,330. 2 Claims. (Cl. 65—12.)

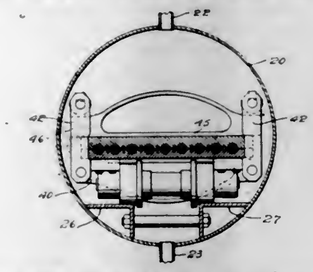


2. As a new article of manufacture, an article carrier including straight resilient sheet metal arms connected with each other to form a frame, pairs of crossed semi-circular resilient sheet metal clamping members carried by the arms to form article holders thereon, and a combined leg and fastening device extending through the arms respectively and each pair of said members securing the members fixed upon the arms and extending meneath the arms to cooperate with each other for sustaining the frame.

1,500,545. PROCESS OF BREAD MAKING. LEW E. BUFFINGTON, Crawfordsville, Ind. Filed Dec. 3, 1923. Serial No. 678,340. 2 Claims. (Cl. 99—10.)

1. A process of making leavened bread, which comprises bringing a composition of ingredients consisting of lactic acid, ammonium phosphate, calcium acid phosphate, phosphoric acid, and pepsin into admixture and incorporation with the water, yeast, salt, sugar, lard, flour, and other materials of the dough batch, mixing, making up and baking the batch, without any fermentation period, and completing the bread making operation from start to finish in from one hour and forty minutes to one hour and fifty minutes; substantially as described.

1,500,546. PROCESS FOR THE MANUFACTURE OF ELECTRIC WIRES. HARRY B. BURLEY, Brookline, Mass., assignor to Boston Insulated Wire and Cable Company, a Corporation of Massachusetts. Filed Apr. 7, 1923. Serial No. 630,500. 6 Claims. (Cl. 18—59.)

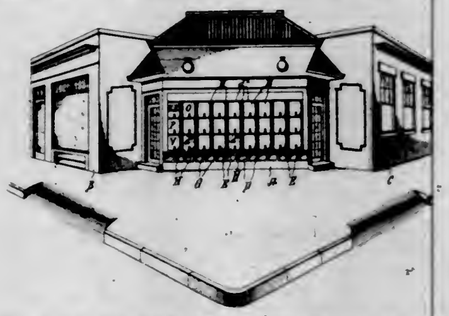


1. The process of manufacturing multi-conductor rubber insulated electric cable comprising the steps of applying a cylindrical layer of rubber compound to each of the conductors, semivulcanizing said rubber covered conductors, embedding the rubber covered conductors in a cylindrical body of rubber compound, enclosing the cable between two correspondingly grooved plates, and heating the plates and cable to vulcanizing temperature.

1,500,547. SYSTEM OF AND APPARATUS FOR RETAILING LIQUIDS. JOSEPH ANDREW CHAMBERS, New Orleans, La. Filed June 12, 1922. Serial No. 567,834. 2 Claims. (Cl. 211—8.)

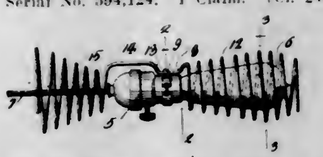
1. A vending station for liquids comprising a cabinet arranged with its outer face exposed to view of motorists entering the station, a plurality of containers mounted

in the cabinet with their forward ends exposed through the front face of the cabinet, individual means for each container at the forward end thereof for drawing off quantities of different fluids disposed in the separate



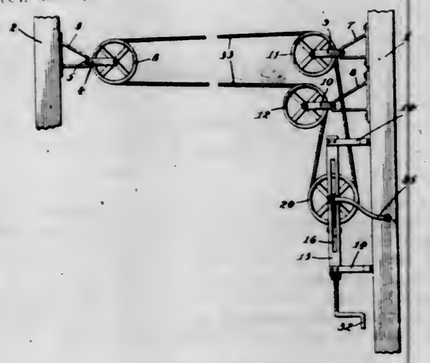
containers, and means at the inner end of each container for refilling the same without removing the containers from the cabinet and without disturbing the inter-relation of the containers.

1,500,548. TROUBLE-LIGHT FIXTURE. WILLIAM HENRY CLEMENT, Jr., Palacios, Tex. Filed Oct. 12, 1922. Serial No. 594,124. 1 Claim. (Cl. 240—102.)



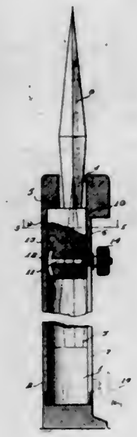
A device of the class described including a structure formed from a single strand of material bent so as to include an elongated body portion, a pair of coils one at each end of the body portion, said coils being alined with each other and offset from the body, the body portion being substntially straight and provided intermediate its ends with an offset, a clamp member fixed to said offset.

1,500,549. TIGHTENER FOR CLOTHESLINES. CLIFFORD S. CUDMORE, Sault Ste. Marie, Ontario, Canada. Filed June 29, 1923. Serial No. 648,612. 2 Claims. (Cl. 68—3.)



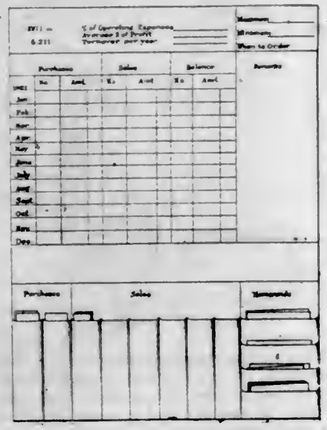
1. A tightener for clothes lines comprising a frame having slotted sides, a yoke slidably mounted within said frame, a shaft rotatably supported in said yoke and extending through said slotted sides, a pulley mounted on said shaft, a screw rotatably secured to the yoke and threaded through the frame, and means for turning said screw.

1,500,550. ERASER. LOUIS D'HONDT, Dedham, Mass. Filed Sept. 15, 1921. Serial No. 500,861. 1 Claim. (Cl. 120—39.)



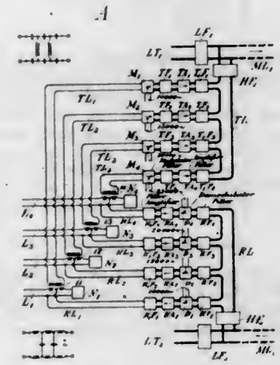
In an instrument of the class described, a handle member having a longitudinally recessed flattened side, the said member having a longitudinal bore of which the said flattened side constitutes a wall, the said wall having a longitudinally extending slot, a head slidably adjustably mounted in the bore and having a flattened side coacting with the inner face of said wall, a blade carried by the head for projection through the outer end of the bore, the head having a notch in its surface diametrically opposite its flattened side, a stem passing diametrically through the head and having a terminal fitting in the notch therein, and a securing device mounted on the outer end of the stem and bearing against the flattened wall of the handle.

1,500,551. MEANS FOR PRODUCING PERPETUAL INVENTORIES. AARON P. ROBINS DRUCKER, Colorado Springs, Colo. Filed Jan. 14, 1922. Serial No. 529,244. 6 Claims. (Cl. 283—55.)



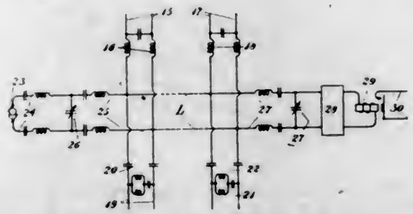
1. Means for maintaining a perpetual inventory of goods grouped into classes, comprising a series of record sheets each bearing indicia denoting one class only, each sheet being provided with spaces marked for the reception of data relative to total purchases and sales of goods in said class during a certain period of time, with similar spaces marked for the reception of data relative to the amount of goods in said class left in stock, and with spaces marked for the reception of data relative to the maximum and minimum amount of goods of said class to be kept in stock.

1,500,552. MULTIPLEX TRANSMISSION SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 17, 1919. Serial No. 304,791. 22 Claims. (Cl. 178—44.)



19. In a transmission system, a transmission line, means associated with said line whereby frequencies within a certain range may be transmitted over said line in both directions, and means associated with said line whereby frequencies above the voice range and within a range different from said first mentioned range may be transmitted over said line in one direction only.

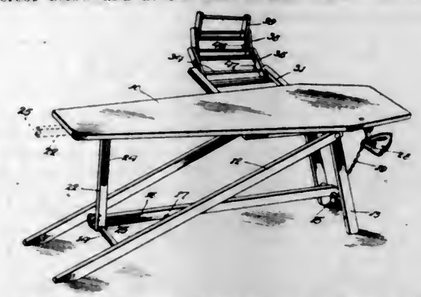
1,500,553. HARMONIC SUPPRESSOR. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,737. 1 Claim. (Cl. 179—15.)



A telephone line arranged for the multiplex transmission of telephonic currents and of a current for signaling purposes, a selective circuit associated with the outgoing end of said line and tuned to be resonant to said signaling current, a second circuit tuned to be resonant to said signaling current, means in said second circuit for generating said signaling current, and a loose capacity coupling between said selective circuit and said second circuit.

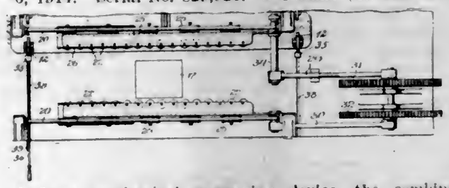
1,500,554. IRONING BOARD. LAWRENCE G. FAIRCHILD, Glenmary, Tenn. Filed Jan. 3, 1922. Serial No. 526,673. 4 Claims. (Cl. 68—10.)

1. The combination with a board, of a foldable clothes rack mounted on the under side of the board to extend laterally therefrom or to lie beneath the same, a collapsible support for the board hinged to the under side thereof below and at one side of said rack whereby to



extend across the folded rack and hold the same against movement when collapsed, and releasable means for retaining the support in collapsed condition.

1,500,555. MECHANICAL MASSAGING DEVICE. SAMUEL B. FLEMING, Chicago, Ill.; L. Florence Fleming, executrix of the will of Samuel B. Fleming, deceased, assignor, by mesne assignments, to Gardner Reducing Machine Company, Chicago, Ill. Filed Apr. 6, 1914. Serial No. 829,824. 3 Claims. (Cl. 128—57.)



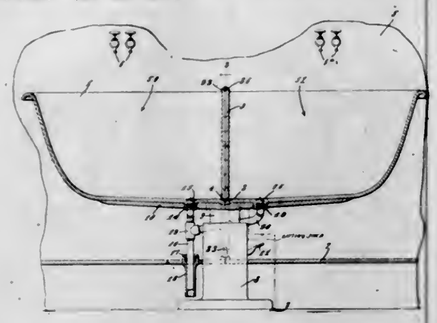
3. In a mechanical massaging device, the combination of a base, standards projecting from said base, roller ssupports mounted on said standards, means for adjusting said supports vertically a series of rollers carried by said supports, and means for reciprocating said supports.

1,500,556. VALVE-OPERATING MEANS FOR INTERNAL-COMBUSTION ENGINES. WILLIAM M. GOODWIN, Central Square, N. Y. Filed Mar. 5, 1919. Serial No. 280,853. 4 Claims. (Cl. 123—90.)



3. In combination with a cam shaft and a self closing valve of an internal combustion engine, a plunger, a rocking member pivoted to the plunger and provided with a contact face engaging the cam, said contact face passing through the axis of movement of said rocking member, and means for transmitting motion from the plunger to the valve.

1,500,557. BATHTUB. HENRY GORMAN, Manchester, N. H. Filed Jan. 6, 1922. Serial No. 527,483. 1 Claim. (Cl. 68—31.)



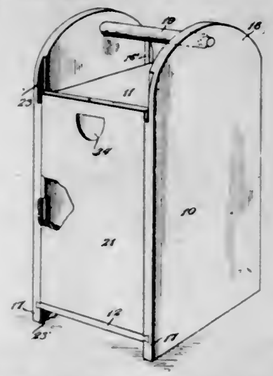
In a device of the class described, a receptacle; a vertically slidable gate in the receptacle, a jack carrying the receptacle; and means for anchoring the gate against movement with respect to the receptacle whereby when the receptacle is raised by the jack, the gate will be seated in the receptacle.

1,500,558. STREET SWEEPER. CARL F. GREINER and ANDREW W. AITKEN, Springfield, Ohio, assignors to The Springfield Motor Sweeper Company, Springfield, Ohio, a Corporation of Ohio. Filed May 29, 1922. Serial No. 564,295. 5 Claims. (Cl. 15—84.)



4. In a street sweeper, a hopper, an inclined conveyor extending from the ground to a point near the forward upper portion of said hopper, and a rotary winged discharging device at the upper end of said conveyor to discharge the sweepings therefrom rearwardly into said hopper.

1,500,559. DYNAMITE BOX. LAURENCE HAMMOND, Spangler, Pa. Filed Sept. 13, 1923. Serial No. 662,490. 4 Claims. (Cl. 217—4.)



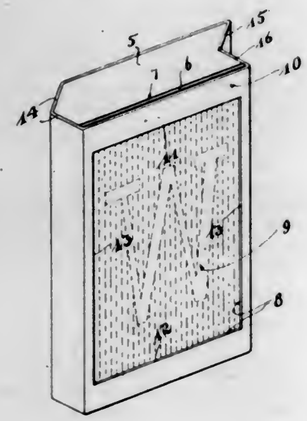
1. A dynamite box including a box body having side walls continued to form legs extending beneath the box body as well as wings upstanding from the box body, a handle extending between said wings, and a vertically movable door gravitating to normally close the box body.

1,500,560. RADIATOR-TUBE JOINT. ALBERT E. L. HENDERSON, Charlotte, N. C. Filed Apr. 9, 1921. Serial No. 460,135. 2 Claims. (Cl. 285—56.)



2. In a radiator for automobiles, etc., a casing wall, a tube opening therein, a groove with a curved wall surrounding the tube opening but spaced therefrom to leave a web between the groove and the tube opening, and a tube extending through the opening and having its end turned or crimped into contact with the curved wall of said groove, and abutting against the web which is bent outwardly so that the tube end and web interlock, the tube end engaging said wall and web under yielding pressure.

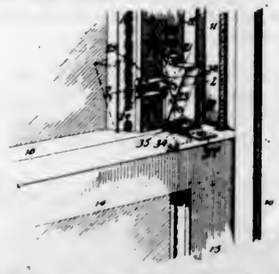
1,500,561. CHARACTER-HOLDING DEVICE. HARRISON H. HOOD, Los Angeles, Calif., assignor to Thinmeway Titles, Inc., Hollywood, Calif. Filed Mar. 21, 1923. Serial No. 626,649. 4 Claims. (Cl. 95—85.)



1. In a character-holding frame-structure, a central portion being bent in form of a V, other portions extending from the terminations of the V-portion practically parallel, the parallel portions having proportionally large sight-openings in alignment in the opposite parallel portions, and other portions extending from the parallel portions bent upon the parallel portions somewhat inwardly to be practically parallel to the V-portions.

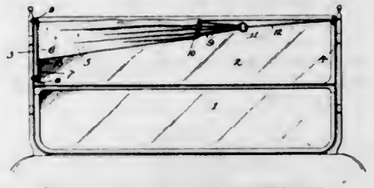
1,500,562. LOCK FOR WINDOW SASHES, ETC. HERMAN HOPF, Buffalo, N. Y. Filed July 31, 1922. Serial No. 578,563. 6 Claims. (Cl. 292—342.)

1. A locking device for relatively movable members comprising a holder adapted to be mounted on one of said members, a stop removably mounted on said holder and having an inclined face adapted to be engaged by the other member for preventing relative movement of said members, and a guide which extends laterally from said holder and upon which said stop may be moved for carrying the same out of the path of said opposing member,



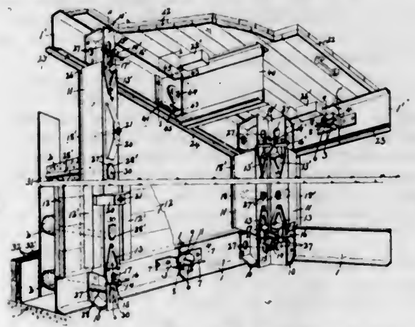
said guide having a horizontal guideway which is T-shaped in cross section and said stop having a T-shaped arm which runs in said guideway.

1,500,563. ANTIGLARE DEVICE FOR AUTOMOBILES. EDWARD B. HOWELL, Butte, Mont. Filed Aug. 11, 1923. Serial No. 656,858. 6 Claims. (Cl. 296—97.)



1. In combination with an automobile wind shield: a guide at one end thereof; a flexible collapsible curtain, one end of which is in sliding engagement with said guide; and means acting on the other end of the curtain to draw the curtain endwise; said means serving to hold the curtain in an extended or collapsed condition.

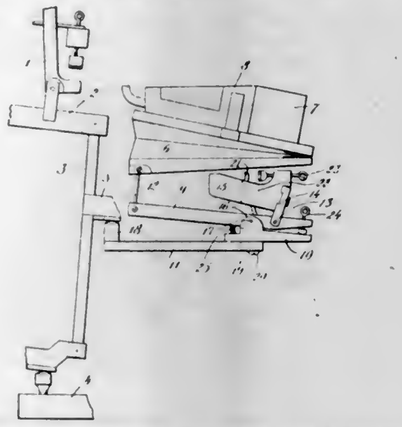
1,500,564. CONCRETE BUILDING FORM. PAUL J. HUEBER, Syracuse, N. Y. Filed June 6, 1923. Serial No. 643,742. 15 Claims. (Cl. 25—131.)



2. A temporary form for concrete buildings including a girder having a substantially flat inner face next to the wall to be formed and provided with a bracket projecting from its opposite face, a post having its lower end resting upon the bracket, and cooperative means on the bracket and post for holding said post against lateral movement on the bracket.

14. In a temporary form for concrete buildings, a horizontal footing-course, a girder supported edgewise upon the footing-course, and having a substantially flat inner face adjacent one side of the wall, upright posts supported at their lower ends upon the upper edges of the girders and provided with substantially flat inner faces co-incident with that of the girder, couplings connecting the lower ends of the posts to the girder, stop flanges projecting from opposite sides from the inner faces of the posts, means for supporting the upper ends of the post against lateral movement, panels movable into and out of the spaces between the posts and adapted to rest against said stop flanges when adjusted for use, stop members on the outer faces of the posts movable into and out of engagement with said panels for holding the latter against the stop flanges when adjusted to one position and for releasing the panels when adjusted to another position, upright stop plates directly opposite the posts and in spaced relation thereto, tie rods extending loosely through registering openings in each set of opposed posts and plates, spacing sleeves loosely mounted upon the tie rods between each post and its corresponding plate, devices movable on the tie rods for clamping the plate against the adjacent end of the steel and for simultaneously forcing the sleeve endwise against the inner faces of the posts, panels abutting against the outer faces of the plates, and devices movable on the tie rods for clamping said panels against plates when moved to one position and for releasing said panels when moved to one position and for releasing said panels when moved to another position.

1,500,565. PLAYER PIANO. JOSEPH P. HULDEN, New York, N. Y., assignor to The Unit Player Action Co., a Corporation of New York. Filed June 23, 1920. Serial No. 391,080. 6 Claims. (Cl. 84—68.)

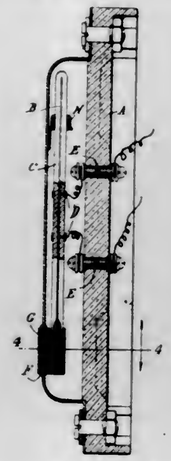


1. In a player-piano, the combination with a striker pneumatic and a piano-action including an abstract, of an operative connection between said parts comprising an arm fulcrumed intermediate its ends in a fixed support, a rigid element connecting the rear end of the arm with the movable wall of the pneumatic, a co-acting member disposed under the forward end of said arm and pivotally attached thereto, a second arm having a slot in its forward end and having its rear end acting on the abstract, a fastener entering the slot and attaching the last mentioned arm to the underside of the intermediate member to permit of radial adjustment about the point of attachment, whereby the position of said arm may be adjusted as required for action on the abstract.

1,500,566. THERMOSTAT. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 18, 1922. Serial No. 555,173. 8 Claims. (Cl. 200—141.)

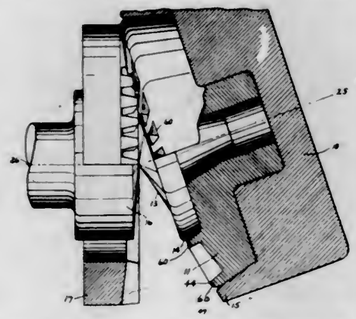
4. A thermostatic control-device comprising an enclosure; a thermostat within said enclosure, an electric

contact controlled thereby, a heat insulated temperature-sensitive element engaging said thermostat and having



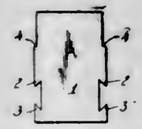
a portion exposed to the outside atmosphere, whereby the thermostat is made responsive to temperature changes outside of the enclosure.

1,500,567. DIE FOR ROLLING GEARS. HAROLD NAPIER ANDERSON, Cleveland, Ohio. Filed July 26, 1920. Serial No. 399,043. 12 Claims. (Cl. 80—16.)



1. A die for rolling teeth on gears, having flat faced teeth formed on a curved base.

1,500,568. UNIT SHINGLE. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Mar. 23, 1922. Serial No. 545,954. 2 Claims. (Cl. 108—7.)



1. Prepared roofing shingles adapted to be laid in alternative positions in overlapping courses to form a roof, each unit comprising a substantially oblong shaped body having a pair of hooks indented in opposite parts of each of the sides of one of its end portions, which hooks when the units are laid in one position, are adapted to interlock with corresponding hooks of the laterally adjacent units of the next lower and upper courses respectively, and having its other end portion reduced in width to form a shoulder in opposite parts of each of the sides at substantiallip the distance from the narrower end that the unit is intended to be exposed when laid in reversed position.

1,500,569. CONNECTING JOINT. WILLIAM T. BARNHILL, Seattle, Wash. Filed Jun. 28, 1924. Serial No. 689,047. 2 Claims. (Cl. 238—241.)



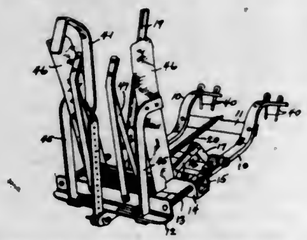
1. A joint comprising a curved socket opening to the end thereof and having dove-tailed recesses in the body portions at opposite sides of the socket and a second member having a curved tongue removably fitted within the socket of the first member and having dovetailed extensions at opposite sides of the tongue adapted to fit within the dovetailed recesses.

1,500,570. TROUSERS. BARTHOLOMEW J. BODNAR, Astoria, N. Y. Filed Aug. 10, 1923. Serial No. 656,707. 4 Claims. (Cl. 2—231.)



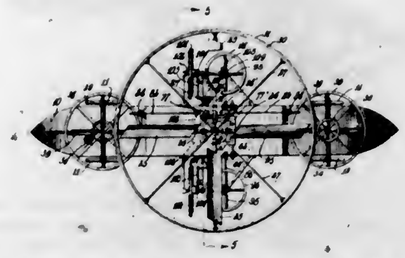
1. In combination with a pair of trousers, reinforcing and crease retaining strips arranged in rows extending up the legs of the trousers, said strips being arranged with their vertical median lines at the points where the trousers are creased and having their adjacent edges spaced from one another.

1,500,571. METHOD AND APPARATUS FOR SIMULTANEOUSLY FORMING AND HEAT TREATING SHOVELS. FRANCIS C. BRANDENBURG, Piqua, Ohio, assignor to The Wood Shovel and Tool Company, Piqua, Ohio, a Corporation of Ohio. Filed Jan. 17, 1921. Serial No. 437,764. 18 Claims. (Cl. 266—6.)



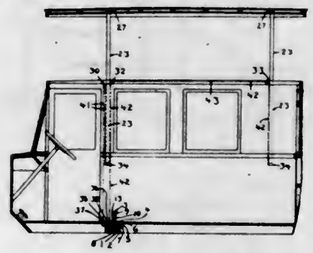
1. The method of heat-treating a shovel, which comprises heating it and immersing it in a quenching bath, immediately thereafter, confining a comparatively narrow zone, including the cutting edge, in a clamping device which is also submerged in the bath, whereby said zone is held until the metal cools in the form it is required to have, the remaining submerged portions being left unconfined while the cooling takes place.

1,500,572. HELICOPTER. WILLIAM BROWN, New York, N. Y. Filed Aug. 28, 1922. Serial No. 584,673. 4 Claims. (Cl. 244—19.)



1. A helicopter flying machine comprising one or more rotary sustaining elements each having a series of adjustable blades, turbine wheels operatively connected to said rotary elements to drive the same, pipes for directing steam jets on said turbine wheels, valves on said pipes, and a common means for controlling said valves and adjusting said blades.

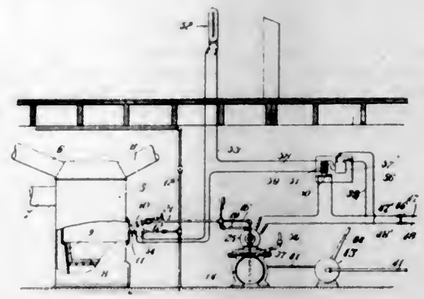
1,500,573. AUTOMATIC ADJUSTABLE AUTOMOBILE CAMPING TOP. LOUIS B. CASSELL, Decatur, Ill. Filed May 28, 1923. Serial No. 641,830. 3 Claims. (Cl. 296—23.)



1. In an automobile body, the combination of an automatic adjustable camping top therefor having lifting and supporting means concealed within the walls and beneath the floor of said body, said means comprising vertical supporting members carried by said top and slidably mounted in fixed guides; chains or cables connected to said supporting members, spools rotatably mounted beneath the floor of said body upon which said chains or cables are adapted to be wound to lift said camping top, ratchet means for rotating said spools and a manually operable dog for holding said spools against rotation in the opposite direction, said camping top being adapted automatically to return by gravity to its closed position when said dog is released from engagement with said ratchet means.

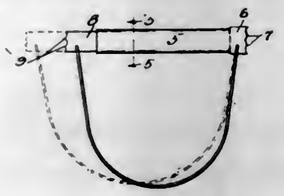
1,500,574. OIL-BURNING SYSTEM. FRANK RYERSON CRANE, Jr., Chicago, Ill., assignor to Ryerson Crane, Inc., Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1922. Serial No. 532,140. 2 Claims. (Cl. 158—36.)

1. A system of the character described comprising an oil spraying burner; a tank containing a liquid fuel; an air pump connected to the tank to pump air into the tank to produce pressure to move a liquid therefrom and to serve as a reservoir of air for the burner; a pipe leading from the bottom of the tank to the burner; another pipe leading from the top of the tank to supply air to the burner and an oil supply pipe connected to the tank in combination with a valve movable to connect



the intake of the pump to said tank to exhaust air therefrom to fill the tank with oil when said supply pipe is open and alternatively movable to close said air connection and to connect the intake port of the pump to another source of air supply and to connect the discharge port of the pump to said tank.

1,500,575. POCKET PENCIL HOLDER. DAVID F. CURTIN, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,435. 3 Claims. (Cl. 2—151.)



1. A pocket pencil holder comprising a sleeve having one end pinched to form a flattened head, teeth integrally formed on the outer end of said head, a bar telescoped into said sleeve, teeth formed on the outer end of said bar, and a bow spring having the ends thereof connected to said flattened sleeve head and to the outer end of said bar to hold said bar and sleeve extended with respect to one another.

1,500,576. POCKET PROTECTOR FOR CHECKS AND THE LIKE. JOAQUIN CUSI, Buenos Aires, Argentina. Filed May 1, 1923. Serial No. 635,834. 2 Claims. (Cl. 101—19.)



1. A protector for checks and other documents comprising an enclosing casing, a series of guiding housings disposed therein, a vertically movable disc in each housing, a series of perforating devices projecting downwardly from each disc, the devices of each disc differing in disposition from those of the other discs to produce a plurality of different characters or signs, a spring encompassing each series of devices, a member arranged beneath said casing but spaced therefrom to permit the introduction of a document between said casing and member and having openings in line with the perforating

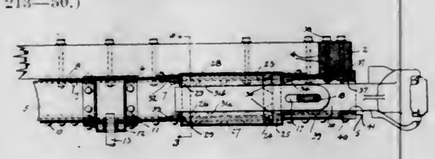
devices, a member movable longitudinally of the casing adapted to operate the different discs to perforate a document with different characters, there being openings in the casing to permit said member to contact with the different discs and means for properly positioning a document below the different series of perforating devices.

1,500,577. HAT-BRIM CONSTRUCTION. HENRY DIAMOND, Brooklyn, N. Y., assignor, by mesne assignments, to Venus Hat Co. Inc., New York, N. Y., a Corporation of New York. Filed May 10, 1923. Serial No. 638,046. 3 Claims. (Cl. 2—192.)



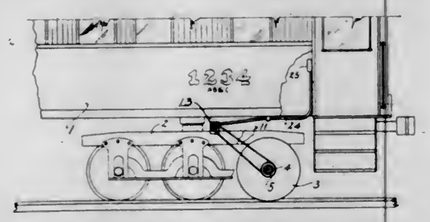
1. The method of making a hat brim which consists in forming an annular blank strip of approximately double the width of the brim, placing a layer of paste on one side portion of said blank, placing a sheet of backing material on the said paste, then drying the said paste placing a layer of cement on one side of said backing, and then folding the other side portion of said blank on the said cement.

1,500,578. DRAFT ATTACHMENT FOR RAILWAY CARS. GEORGE BINET DOREY, Montreal, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 30, 1921. Serial No. 525,838. 3 Claims. (Cl. 213—50.)



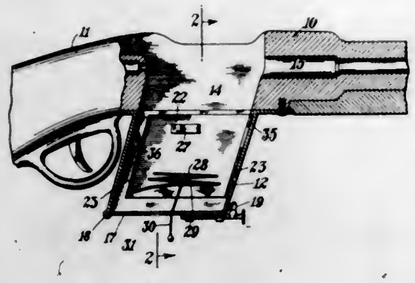
1. In a railway car, the combination with channel shaped draft sills, of upper and lower plates extending from sill to sill and secured to the flanges of the respective draft sills, each of said plates having front and rear draft gear abutments formed integrally therewith.

1,500,579. TACHOMETER DRIVE. WILLIAM G. EAGER, Valdosta, Ga. Filed Aug. 6, 1923. Serial No. 656,068. 4 Claims. (Cl. 105—101.)



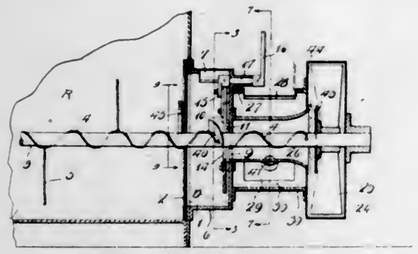
1. In a tachometer drive, a multi-groove pulley of uniform diameter mounted on the car wheel axle, a driven pulley mounted adjacent to the truck center, a drive connecting said pulleys, and a flexible drive shaft connecting said transmission pulley and a tachometer, substantially as described.

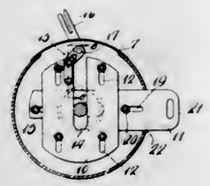
1,500,580. MAGAZINE FEEDING DEVICE. MATTEO FERERRO, Raton, N. Mex. Filed Oct. 8, 1923. Serial No. 667,097. 5 Claims. (Cl. 42—50.)



1. In a rifle, a magazine, a compound cartridge clip in said magazine presenting two clip holding members arranged side by side, one of said members being collapsible.

1,500,581. FUEL-FEEDING MECHANISM FOR FURNACES. CHARLES I. FILSON, Cleveland, Ohio. Filed Sept. 1, 1923. Serial No. 660,550. 12 Claims. (Cl. 302—37.)



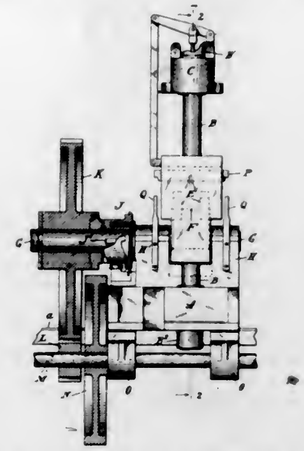


1. A fuel feeding mechanism comprising a fuel reservoir a horizontally disposed conveyor shaft arranged in said reservoir, and having one end projecting outwardly of the reservoir, a suction fan carried by the outer end of said shaft, a housing enclosing the fan and the projecting portion of said shaft, a fuel feed control arranged in said housing and said housing having air inlets between the fan and fuel control.

1,500,582. PRESS. RICHARD W. FUNK, Bellefonte, Pa. Filed Nov. 25, 1919. Serial No. 340,582. 7 Claims. (Cl. 78—38.)

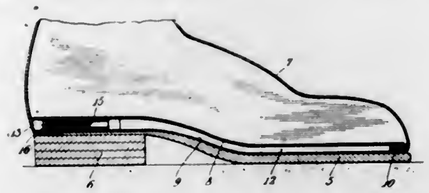
1. In combination in a power press, stress rods, a base and a fixed head held in fixed relation by said stress rods, a movable head supported by and guided by said rods, a driving shaft between the base and movable head carrying an eccentrically mounted barrel adapted to raise the moving head and a pillow block

between said eccentric barrel and the approximate side of the movable head with a bearing transverse or in a plane normal to the axis of movement of the press



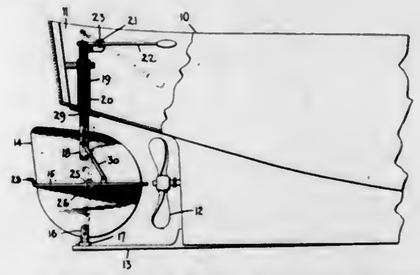
head, said bearing presenting a relatively large reciprocating wearing surface with respect to the wearing surface on the eccentric barrel.

1,500,583. PNEUMATIC SOLE. LUDWIG GLANZER, Winkler, Kans. Filed Dec. 9, 1922. Serial No. 605,766. 2 Claims. (Cl. 149—29.)



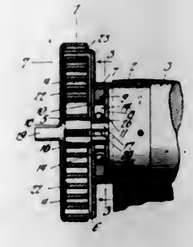
2. An inner sole for shoes comprising an integral rubber body shaped to fit the shoe, said body being solid at the heel and chambered throughout the remaining portion, and an air inlet valve fixed in said heel portion extending lengthwise and centrally thereof above the lifts and adapted to deliver air to the mentioned chamber.

1,500,584. RUDDER. BERTRON G. HARLEY, Arkendale, Va. Filed Apr. 14, 1923. Serial No. 632,028. 6 Claims. (Cl. 114—145.)



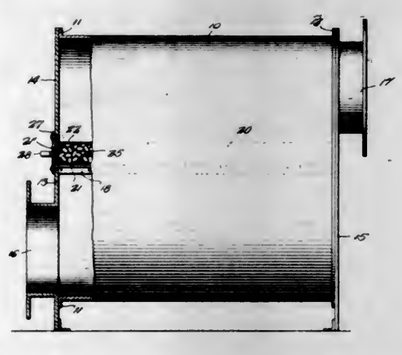
4. In combination in a boat, a propeller, a composite rudder adapted to be acted upon by the water currents forced therengainst by said propeller comprising vertically and horizontally pivoted planes, and means for adjusting the horizontally pivoted plane to reverse the direction of motion of the boat without the reversal of said propeller.

1,500,585. SPRING ROLLER. EDGAR HAYSLETT, South Bend, Ind. Filed Aug. 15, 1921. Serial No. 492,411. 3 Claims. (Cl. 156—36.)



2. A device of the character described comprising a casing having a tubular extension for the reception of one end of a shade roller, said casing having a centrally disposed aperture in the end thereof; radially extending and oppositely disposed recesses formed in the side walls of said casing central aperture, said recesses being provided with lateral closure means, the side walls of said casing central opening being formed with oppositely disposed and off-set recesses inwardly of the first named recesses; a spring coiled within said casing and having one end thereof anchored within the casing; a stub shaft disposed in the casing central opening and having a longitudinal slit therein, the inner end of said spring being anchored within said slit, that portion of said stub shaft which is arranged within said central opening having opposite recesses arranged for cooperation with the last named recesses for the reception of detent members normally located within the first named recesses and movable therein.

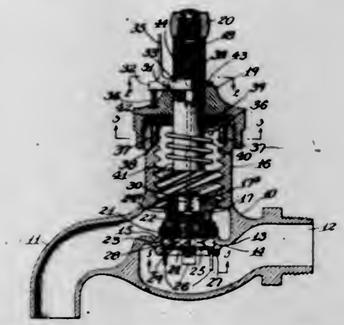
1,500,586. AIR FILTER. ANDERS JORDAHL, New York, N. Y. Filed Feb. 10, 1923, Serial No. 618,203. Renewed Jan. 24, 1924. 4 Claims. (Cl. 183—46.)



1. In a device of the class described, the combination of a cylindrical casing having a horizontal axis, heads secured to the opposite ends of said casing and provided with supporting members, one of said heads being provided with an inlet aperture having its lowest portion substantially in alignment with the lowest portion of said casing, the other head being provided with a discharge aperture having its highest portion in substantial

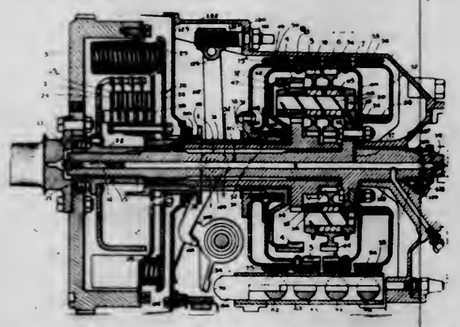
alignment with the highest portion of said casing, and a filtering member slidingly mounted within said casing along the axial line thereof, and removable from the interior of said casing through one of said heads.

1,500,587. AUTOMATIC SAFETY VALVE. OTTO C. LARSON, Brooklyn, N. Y. Filed Feb. 28, 1923. Serial No. 621,753. 11 Claims. (Cl. 67—115.)



1. A valve device of the class described comprising a valve body, a valve element movably mounted therein and adapted to control the communication through the body of the valve device, a supplemental pressure actuated valve supported by said valve element, and a catch device for retaining said valve element in an open position, said supplemental valve cooperating with the catch device to move the same into operative position.

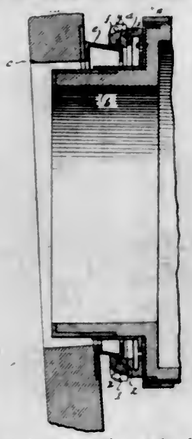
1,500,588. POWER TRANSMISSION. ALPHONSE JOSEPH LAVOIE, Montreal, Quebec, Canada. Filed Jan. 4, 1922. Serial No. 526,957. 10 Claims. (Cl. 74—34.)



1. In a power transmission, a transmission shaft, a spider rigid therewith and having a plurality of shafts forming gear bearings, gears for forward and reverse movements on said shafts and non-reciprocable, a central gear shaft and gears of different diameters engaging the aforesaid gears and fixed in respect to the latter and the longitudinal position, a sleeve splined to said central gear shaft and therewith encircling said transmission shaft, internal gears engaging said forward and reverse gears, means for arresting said internal gears and a driven member operatively connecting and disconnecting said transmission shaft and sleeve.

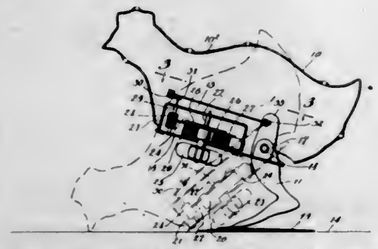
1,500,589. GASKET FOR ROTATING KILNS. JOHN L. LUNDBERG, Alpena, Mich., assignor to Huron Industries, Inc., Alpena, Mich., a Corporation of Michigan. Filed May 29, 1922. Serial No. 564,355. 10 Claims. (Cl. 286—7.)

1. In a joint for a rotating cylinder, the combination of a stationary member provided with a mouth, a rotating cylinder body having one end adjacent the mouth of said member and a gravity pressed gasket arranged



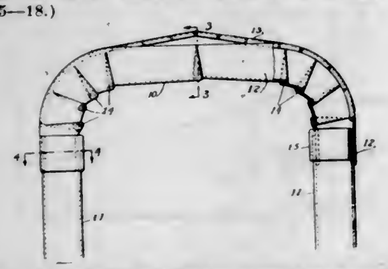
to seal the joint between the end of the cylinder and the mouth.

1,500,590. FIGURE TOY. LOUIS MARX, New York, N. Y. Filed Dec. 19, 1923. Serial No. 681,611. 4 Claims. (Cl. 46—40.)



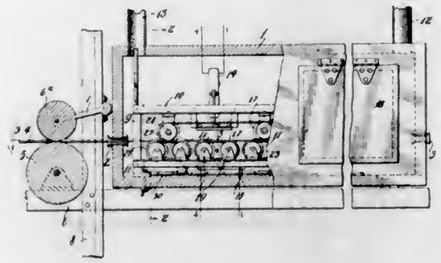
1. A toy fowl comprising a body member formed in representation of a fowl, a plurality of leg members, the said body member being mounted on the leg members for oscillating movement thereon between a substantially horizontal or normal body position and a downwardly inclined position with the beak of the fowl adjacent a support such as the ground on which the toy is placed, and mechanism carried by the body member and connected to the leg members for oscillating the body member relatively to the leg members in simulation of an eating or pecking action.

1,500,591. CAR-VESTIBULE DIAPHRAGM. HARRY U. MORTON, Chicago, Ill., assignor to Morton Manufacturing Company, a Corporation of Illinois. Filed Jan. 17, 1924. Serial No. 686,729. 6 Claims. (Cl. 105—18.)



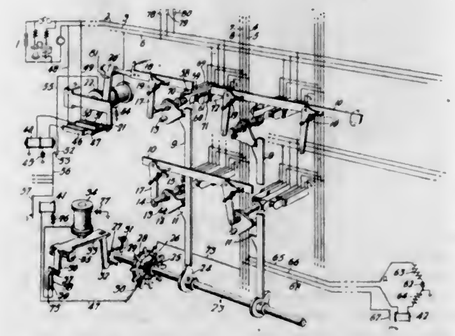
3. A car vestibule diaphragm comprising a roof section and two leg sections and pockets on the inner side of each end of the roof section adapted to receive the upper ends of the leg sections.

1,500,592. DRYING APPARATUS. FREDERIC P. REED, East Orange, N. J., assignor, by direct and mesne assignments, to Waterford Art Papers, Inc., Waterford, N. Y., a Corporation of New York. Filed July 1, 1922. Serial No. 572,118. 3 Claims. (Cl. 34—48.)



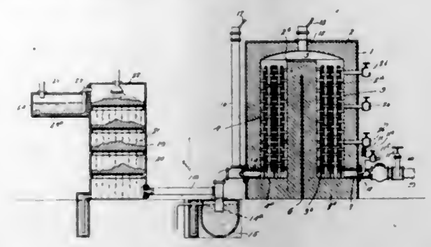
1. In a drying apparatus for drying paper web or similar material, the combination with a heat chamber and means for forcing air into said chamber, of means for feeding the web to be dried into said chamber, means located at both the upper and lower portions of said chamber for supplying heat, said chamber being substantially enclosed except for the ingress and egress openings for the web whereby a high temperature is maintained, and means for guiding the web within and through the chamber, said guiding means so constructed and arranged as to likewise agitate the air and cause circulation thereof through the pores of the web to be dried.

1,500,593. CROSSBAR LINE SWITCH. CHARLES D. RICHARD, New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 18, 1921. Serial No. 462,257. 9 Claims. (Cl. 179—27.5.)



1. In a switch, the combination of contact springs, a plunger for operating said contact springs, a pivoted support in which said plunger is slidably mounted, a trunk bar adapted to engage and rotate said pivoted support to position said plunger in operable relation to said contact springs, upon longitudinal movement in one direction of said trunk bar, a line bar arranged transversely to said trunk bar and an arm mounted on said line bar adapted to operate said plunger upon operation of said line bar.

1,500,594. GASEOUS FUEL AND PROCESS OF PRODUCING SAME. JAMES R. ROSE, Edgeworth, Pa., assignor to Carbo-Oxygen Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 13, 1917. Serial No. 185,977. 5 Claims. (Cl. 48—198.)

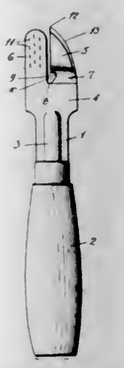


2. The process of producing gaseous fuel which comprises subjecting a mixture of hydrogen and natural gas admitted separately to a chamber containing porous refractory material heated to a temperature not materially lower than 1600° F.

1,500,595. FITTING FOR DURALUMIN CONSTRUCTIONS. ADOLF ROHRBACH, Charlottenburg, Germany. Filed Mar. 20, 1924. Serial No. 700,618. 2 Claims. (Cl. 244—31.)

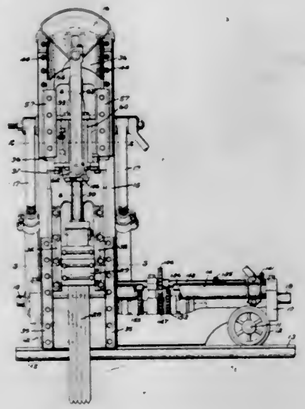
1. Fittings, or the like, attached to duralumin, to be employed in the construction of aircraft, etc., wherein the metals which are in contact with each other, are separated from each other by an intermediate layer of such metal that the generated electric current has a destructive effect upon the interposed plate.

1,500,596. CAN OPENER. THOMAS H. ROSS, Brooklyn, N. Y., assignor, by mesne assignments, to Arcas Brass and Iron Company, Inc., New York, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,685. 1 Claim. (Cl. 30—3.)



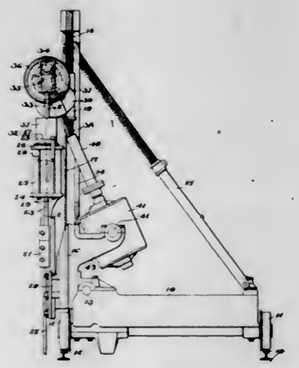
A can opener having a bifurcated end forming a straight shank portion and a blade portion offset laterally from the shank portion, said portions terminating substantially opposite each other and connected by a diagonally disposed web, said web having a fulcrum notch on its under side, the notch having two angularly disposed faces, one of which slopes upwardly from the portin of the web adjacent the shank to form a guide surface, and the other of which extends downwardly from the first face to the back of the blade to form an abrupt shoulder.

1,500,597. STONEWORKING MACHINE. ALBERT BALL, Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed June 1, 1912, Serial No. 701,001. Renewed Mar. 14, 1921. Serial No. 452,226. 30 Claims. (Cl. 262—18.)



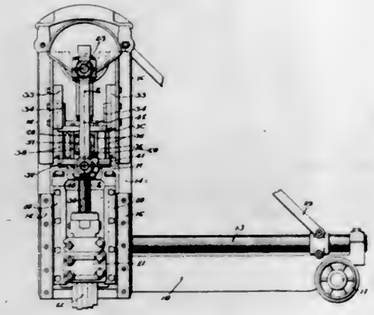
1. In a machine of the class described, the combination of a crank-shaft, a cylinder comprising two heads, a pair of connecting rods disposed on opposite sides of said cylinder, connected directly to said crank-shaft and to the further cylinder head, and a tool-actuating piston mounted to reciprocate within said cylinder.

1,500,598. STONEWORKING MACHINE. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 27, 1918. Serial No. 236,894. 24 Claims. (Cl. 262—18.)



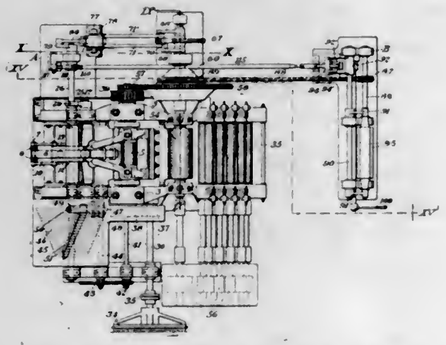
1. The combination with a power transmitting mechanism subjected to repeated shocks and including a single cylinder and a single piston therein cooperating to cushion said shocks, of means including a bypass passage adapted to interconnect the chambers at opposite sides of the piston in the cylinder for causing a unidirectional flow of air through said chambers to prevent excessive temperatures in the latter.

1,500,599. LUBRICATOR. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 27, 1918. Serial No. 242,261. Renewed Dec. 22, 1923. 36 Claims. (Cl. 184—18.)



29. The combination with a cylinder having one head provided with a tubular extension, and a piston in said cylinder having an extended rod reciprocable in said tubular extension, of means for lubricating and cooling said parts comprising an opening in the end of said cylinder opposite said extension, and an opening in said tubular extension, and a check valve controlling one of said openings.

1,500,600. SHEARS. FLORENCE C. BIGGERT, Jr., Crafton, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1923. Serial No. 632,040. 27 Claims. (Cl. 164—43.)

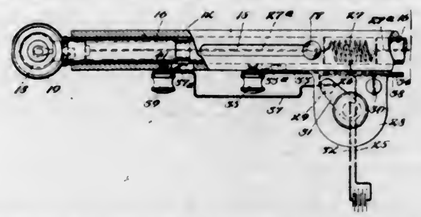


1. In a method of shearing, the steps consisting in continuously moving the material to be sheared, moving a shearing member on each side of said material alternately in the direction of movement of said material and in the opposite direction, normally concomitantly producing relative movement of said shearing members toward and from each other transversely of the path of travel of said material, without causing said members to intersect said path, and periodically increasing the amount of said relative movement to cause said shearing members to effect shearing of said material, substantially as described.

1,500,601. TRAFFIC SIGNAL FOR MOTOR VEHICLES. HARRY L. BREWSTER, Somersworth, N. H. Filed Nov. 29, 1922. Serial No. 603,968. 1 Claim. (Cl. 177—327.)

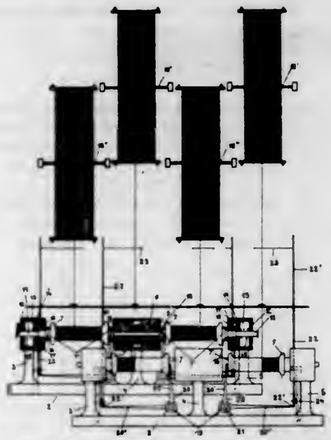
A traffic signal comprising an insulating guide, means for attaching it in a substantially horizontal position

to a motor vehicle dash, an inner terminal attached to an inner portion of the guide, an outer terminal attached to an outer portion of the guide, a conducting slide adapted to be manually projected and retracted in the guide and provided with an electric lamp at its outer end, the slide being formed to continuously contact with said inner terminal and provided with a recess which prevents its contact with the said outer terminal only when the slide is retracted, a battery, a conductor connecting the battery with the lamp, and including a portion movable with the slide and a loose portion con-



forming to movements of the slide, means including conductors, and a switch whereby either of said terminals may be selectively connected with the battery and the other terminal disconnected therefrom, the arrangement being such that when the outer terminal is connected with the battery, the lamp is lighted by the projection of the slide to serve as a direction signal, and extinguished by the retraction thereof, and when the inner terminal is connected with the battery, the lamp is lighted in all positions of the slide, so that it may serve as a parking signal when the slide is retracted, and a traffic signal when the slide is projected.

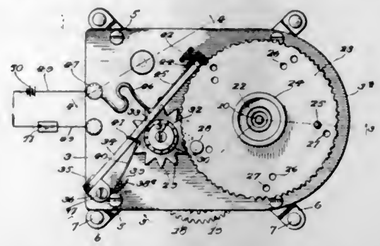
1,500,602. WINDING FRAME. XAVER BRÜGGER, Horgen, Switzerland. Filed Apr. 24, 1922. Serial No. 556,213. 3 Claims. (Cl. 242—44.)



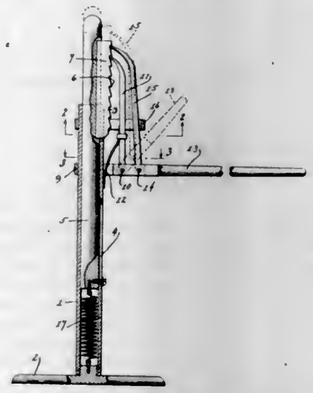
1. In a winding machine, a driven shaft having a friction cone at both ends, an alined yieldingly held friction cone opposite each end, and a bobbin having oppositely coned ends arranged to engage the cones on the driven shaft and the alined friction cones.

1,500,603. ROTARY CIRCUIT-CONTROLLING DEVICE. CLARENCE W. BURGER, Washington, D. C. Filed Feb. 20, 1922. Serial No. 537,931. 15 Claims. (Cl. 178—113.)

1. In a device of the class described, the combination with a spring motor comprising spaced movement plates and clockwork having shafts extending outside of said plates, of a contact drum and gear rigidly attached thereto loosely mounted on said shaft and bodily removable therefrom, without disturbing any of the other parts, said gear, when the drum is in operative position, being in mesh with one of the clockwork gears.



1,500,604. JACK. JOHN CENDER, Foosland, Ill. Filed Aug. 2, 1923. Serial No. 655,276. 2 Claims. (Cl. 254—108.)

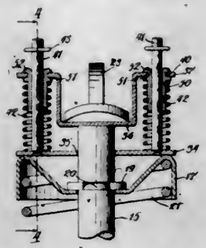


2. A jack of the class described comprising a tubular standard provided with a vertically extending slot at its upper end, and a longitudinally extending slot at its intermediate portion, a cylindrical member slidably mounted therein, a rack bar on the upper end of said cylindrical member and adapted to be in sliding engagement with the first mentioned slot, a pin associated with the lower end of said cylindrical member and extending through said longitudinal slot for preventing the rotary movement of said cylindrical member in said tubular standard, a bracket extending from said standard, a transverse pin carried by the outer end of said bracket, a pawl pivoted on said pin, and adapted to engage said rack bar, means for normally holding said pawl in engagement with said rack bar, a lever fulcrumed on said pin, and a lifting pawl pivoted on said lever and adapted to engage said rack bar above said first mentioned pawl, a guide carried by said standard for said pawl, and means associated with said tubular standard and the lower end of said cylindrical member, returning said cylindrical member to its normal position when said pawls are released from engagement with said rack bar.

1,500,605. SILENCER FOR GAS-ENGINE VALVE MECHANISM. GEORGE HENRY CHARNOCK, Buffalo, N. Y. Filed Aug. 17, 1923. Serial No. 657,971. 5 Claims. (Cl. 123—90.)

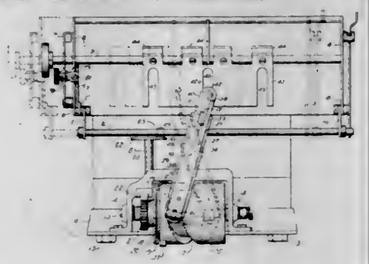
1. A silencer for a gas engine valve mechanism having a valve stem, a rocker arm for opening the valve and a spring for closing the valve, comprising two cross pieces

one of which is adapted to operate on said spring and the other adapted to operate on said arm, a guide sleeve



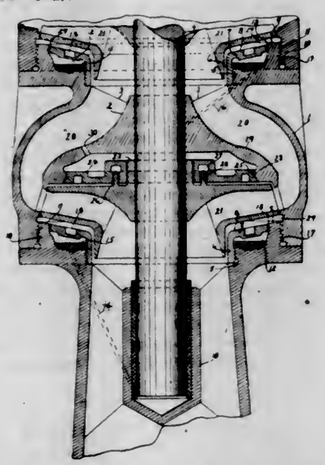
arranged on one of said cross pieces, a guide pin sliding in said sleeve and connected with the other cross piece, and a spring interposed between said cross pieces.

1,500,606. ADDING MACHINE. THOMAS E. CHERRY, Boston, Mass. Filed Aug. 24, 1921. Serial No. 494,998. 18 Claims. (Cl. 235—58.)



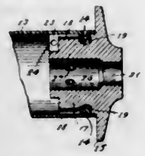
1. An adding-machine comprising, in combination, a rotary platen; a movable carriage therefor; manually operated mechanism for rotating the platen step-by-step; and carriage reciprocating mechanism including a carriage cam, a lever oscillated by said cam, a lever-engaging member on the carriage, and connections between said cam and the platen-rotating mechanism whereby the cam is rotated step-by-step to reciprocate the carriage.

1,500,607. PUMP. DAVID J. CONANT, San Jose, Calif. Filed Mar. 22, 1922. Serial No. 545,736. 5 Claims. (Cl. 103—102.)



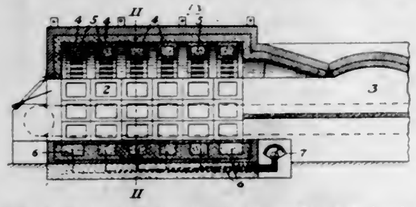
1. A pump bowl having a discharge opening, an upstanding flange arranged thereon and spaced a distance from said opening, and a neck portion removably mounted in said discharge opening and flaring outwardly to a point adjacent said flange to form a pressure chamber.

1,500,608. SHADE ROLLER. THOMAS DIGNEY, Bridgeport, Conn. Filed Mar. 28, 1922. Serial No. 547,412. 3 Claims. (Cl. 156—36.)



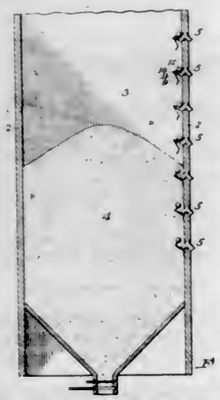
1. In a shade roller, the combination of a cylindrical roller member, flanged end-members inserted and secured in the ends of said roller member, the flanges abutting the end-edges thereof, one of said end-members having an axial hole extending from its inner end, and a series of radial passages having a pocket portion extending from the outer surface in spaced relation to the inner end of said end-member and a reduced portion extending into communication with said axial hole, a shaft mounted in the roller and extending at one end into said axial hole, and provided within said hole and in line with said radial passages with a notch cut therein, sliding pawls engaged in said radial passages and including a shouldered portion seating in said pocket portion and a reduced portion extending through said reduced portion of the passages and adapted to engage said notch of the shaft, and a torsional spring secured at one end to said shaft and at its other end to one of said end-members.

1,500,609. ANNEALING LEER. HENRY L. DIXON, Dormont, Pa., assignor to H. L. Dixon Company, Carnegie, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1921. Serial No. 456,218. 4 Claims. (Cl. 49—46.)



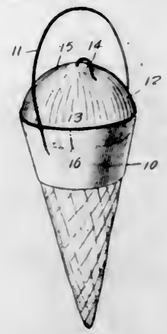
4. A glass annealing leer of the muffle type, having a resistance material in the walls of its heating chamber, said material being of different conductivity in different portions of the furnace, substantially as described.

1,500,610. EXPLOSION-PREVENTING DEVICE. ROWAN T. F. DODDS, Stratford, Ontario, Canada. Filed Mar. 27, 1922. Serial No. 547,276. 3 Claims. (Cl. 98—26.)



1. In an explosion preventing apparatus, walls enclosing a working area adapted to receive material producing dust having explosive properties whereby a dust laden area is established, an angular ventilator in one of said walls, and means operated by the material being handled for automatically closing said ventilator as the material being handled reaches the level thereof, substantially as described.

1,500,611. CARRIER FOR ICE-CREAM CONES AND THE LIKE. WALTER L. EWEN, Aurora, Ill. Filed Feb. 8, 1922. Serial No. 534,987. 3 Claims. (Cl. 229—1.5.)



1. An article for the purpose described comprising a hollow body with a tapering interior and a cover with a circular flange at its bottom that fits the interior of such body, the cover above such flange being dome-shaped and the flange being notched or slit from its bottom edge upward.

1,500,612. LOOSE-LEAF HOLDER. WILLIAM S. GILKEY, deceased, by Virginia K. Gilkey, Cleveland Heights, Ohio, and the Guardian Savings & Trust Company, Cleveland, Ohio, a Corporation of Ohio, executors, assignors to the W. S. Gilkey Printing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 20, 1923. Serial No. 669,864. 1 Claim. (Cl. 129—5.)



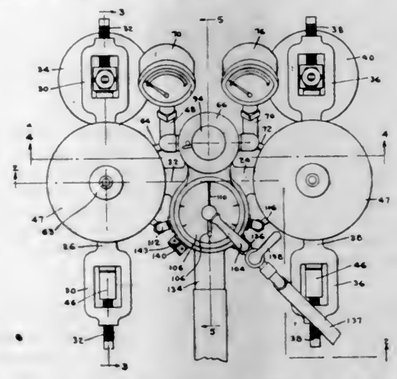
A loose leaf holder comprising a platen member adapted to receive superposed sheets thereon; pins upstanding from one marginal edge portion of the platen to engage through apertures in the sheets and hold the latter in position; and a spring clip for each pin, each clip comprising an elongated resilient arm pivoted at one end to the platen at the marginal edge portion thereof and extending along said portion in proximity to the edges of the sheets fitting over the pins, each clip having on its free end a laterally offset portion arranged to overlap the superposed sheets and having an elongated slot to receive the adjacent pin therethrough, said free end and offset portion of each clip being adapted to be raised from the sheets and the clip being adapted to be swung about its pivot away from the pin to free the sheets for removal and substitution.

1,500,613. FISH-STRINGING DEVICE. RUSSELL L. HALLOWAY, Nevada, Iowa. Filed Aug. 30, 1923. Serial No. 660,200. 2 Claims. (Cl. 224—7.)



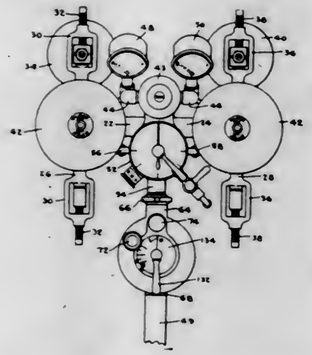
2. A fish stringing device comprising a chain, a needle having an eye which is attached to one end of the chain, a hook loosely mounted upon the eye and slidably receiving the chain, said needle serving as a handle to move the hook longitudinally of the chain, and a hook attached to the opposite end of the chain and adapted to engage within a selected link of the chain near such opposite end.

1,500,614. ANÆSTHETIZING APPARATUS. JAY A. HEIDBRINK, Minneapolis, Minn. Filed Nov. 17, 1921. Serial No. 515,782. 7 Claims. (Cl. 128—203.)



1. An anæsthetizing apparatus having a mixing chamber, means for supplying thereto from independent sources of supply a plurality of gases under pressure, an inhaler, a gas-bag adapted to communicate with and be shut off from said inhaler and said mixing chamber, and a single shiftable valve whereby the mixed gases may be delivered to said inhaler alone or to both said inhaler and said gas-bag.

1,500,615. ANÆSTHETIZING APPARATUS. JAY A. HEIDBRINK, Minneapolis, Minn. Filed Nov. 19, 1921. Serial No. 516,333. 8 Claims. (Cl. 128—203.)



1. An anæsthetizing apparatus comprising an inhaler, a head member with which said inhaler is connected, an ether receptacle attached to said head member, means for supplying gaseous medium to said head member, a tube extending down into said receptacle and a shiftable valve in said head member having ports so arranged that the valve when in one position causes all of the gaseous medium to pass directly from said head member to said inhaler and when in another position causes a portion of the gaseous medium to pass directly from said head member to said inhaler, and the remaining portion of the gaseous medium to pass directly through the upper portion of said ether receptacle before passing to said inhaler and when in another position causes a portion of the gaseous medium to pass directly through the upper portion of said receptacle, and another portion of the gaseous medium to pass down said tube into the ether in said receptacle before passing to said inhaler.

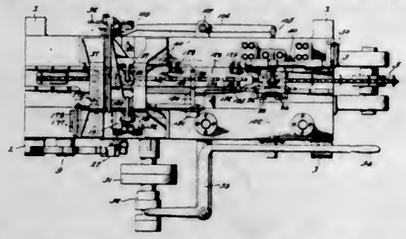
1,500,616. TENSION RING. CLARA A. HENLEY, Waterloo, Iowa. Filed Mar. 16, 1923. Serial No. 625,623. 2 Claims. (Cl. 66—17.)



1. In a device of the character described, a ring, said ring being provided with a raised portion on one side having grooves of various sizes formed therein, a spring band secured to said ring and having a longitudinal recess therein for receiving said enlarged portion of the ring, and means for tensioning a thread between said ring and said band and in said grooves as and for the purpose indicated.

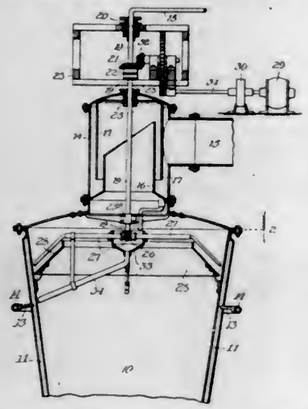
1,500,617. BOX-HINGING MACHINE. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Sept. 16, 1921. Serial No. 501,174. 25 Claims. (Cl. 29—11.)

25. A box assembling and hinging machine comprising means for producing successive box assemblies, each consisting of a body provided with a hinge pintle and a top provided with a hook loosely engaged with the pintle and moving the assemblies successively to a clenching station, and means at that station for locating a box body for clenching, a hinge hook clenching jaw, a plunger for operating the jaw, means for moving the plunger, a closing lever located at a station subsequent to the clenching station, a curved arm carried by the lever, a box



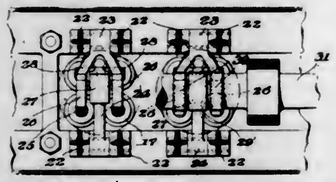
engaging member carried by the arm, and means interconnected with the operating mechanism of the clencher plunger for operating the lever.

1,500,618. ART OF DEALCOHOLIZING LIQUIDS. HERMAN HEUSER, Evanston, Ill. Filed June 1, 1920. Serial No. 385,701. 3 Claims. (Cl. 195—1.)



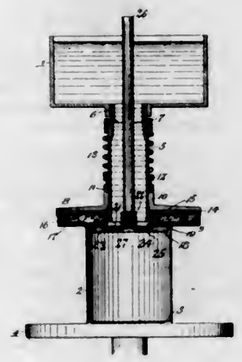
1. In evaporating apparatus, a vertical pan of circular section, a rotatable liquid supply pipe depending centrally thereinto and terminating near its top, radial distributing arms secured to the admission pipe near its end and communicating therewith, said pipes terminating adjacent the wall of the pan and discharging upon its inner surface, means for rotating the admission pipe with the attached distributing pipes to distribute liquid uniformly in a continuous flowing film over the wall of the pan, and shielding means disposed below the ends of the distributing pipes and spaced from the wall of the pan to permit passage of the film of liquid thereon.

1,500,619. HYDROCARBON MOTOR. LEWIS C. HILL, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 22, 1920. Serial No. 353,198. 6 Claims. (Cl. 123—90.)



1. In combination in a hydrocarbon motor, two sets of valves, a Y-shaped rocker arm adapted to operate one of the sets of valves, a T-shaped rocker arm adapted to operate the other set of valves, and a cam shaft adapted to operate both said arms, the stem of the T-shaped arm fitting between the branches of the Y-shaped arm.

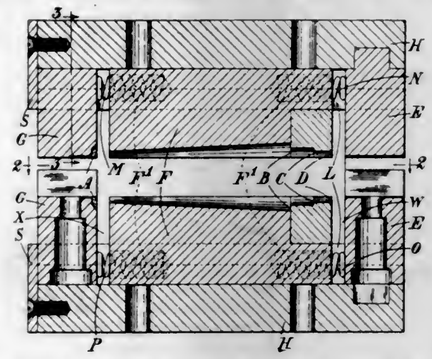
1,500,620. RECEPTACLE-FILLING MACHINE. CLARENCE A. HOY, Buffalo, N. Y., assignor to Peerless Husker Company, a Copartnership, Buffalo, N. Y. Filed May 29, 1918. Serial No. 237,308. 6 Claims. (Cl. 226—124.)



5. A filling machine comprising a main reservoir, and a discharge device for controlling the flow from said main reservoir, said discharge device comprising a combination valve, displacement and spreader member, comprising a substantially flat disc, having an annular seating surface on its upper face, a vent tube leading from said combination member for the escape of the air displaced from the can by the flowing in of the liquid, a passage for the liquid from said main reservoir to the upper face of said combination member, and a sealing member having a flat, annular lower sealing surface of considerable extent, said sealing member being vertically reciprocable, and said sealing surface having a portion for engaging the seating surface on the upper face of said combination member, and having a flat, annular seating surface of considerable extent extending beyond said combination member, whereby said discharge member may be used with various sizes of cans without accurately centering said cans with respect to said discharge controlling means, and means for bringing the edge of the can into sealing engagement with said extended annular sealing surface, to lift said sealing member, to permit the flow of liquid from said main reservoir, over said spreader member, between said seating surface and said sealing surface, said combination member being readily detachable and replaceable, whereby displacement discs of various sizes may be used to vary the displacement.

1,500,621. MEANS AND METHOD FOR PREPARING RUBBER GOODS FOR VULCANIZATION. JOHN HUBBARD, Seven Kings, England, assignor of one-half to Arthur Philip Crouch, London, England. Filed Sept. 12, 1922. Serial No. 587,719. 5 Claims. (Cl. 18—55.)

4. A method of moulding a plastic mass into a body whereof the shape changes abruptly at places, and simultaneously covering it with a layer of foil, comprising the steps of inserting the mass between two layers of foil, partially shaping the mass under an initial pressure in one direction in such a manner as to cause an excess of the mass and foil to collect at the places of abrupt change of shape, applying full shaping pressure on the said excess of the mass and foil in a direction transverse to the first direction whilst maintaining the said initial



pressure, and then increasing the initial pressure to its full amount in the first direction for shaping the mass and foil in the required final form.

1,500,622. RADIATOR CAP FOR MOTOR VEHICLES. ORMOND E. HUNT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 18, 1919. Serial No. 291,051. 3 Claims. (Cl. 220—32.)

1. A motor vehicle radiator having a filler mouth, a cap therefor, an arm rigidly secured to the cap and extending into the mouth, a pivotal connection between the free end of the arm and the inner part of the mouth, said arm being shaped to permit the cap to open on said pivotal connection away from the mouth, and yielding means for pressing the cap against the end of the mouth.

1,500,623. BEAM COMPASS. HOBERT J. HURD, Plainfield, N. J. Filed Oct. 25, 1920. Serial No. 419,226. 4 Claims. (Cl. 33—158.)

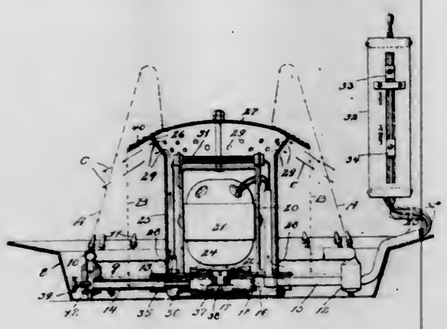


1. A beam compass comprising a beam, a marker mounted thereon, a yoke straddling said beam and having slots near its ends, a pivot pin mounted in said slots, and a spring bearing plate interposed between said beam and said pivot pin and having tongues slidable in said slots.

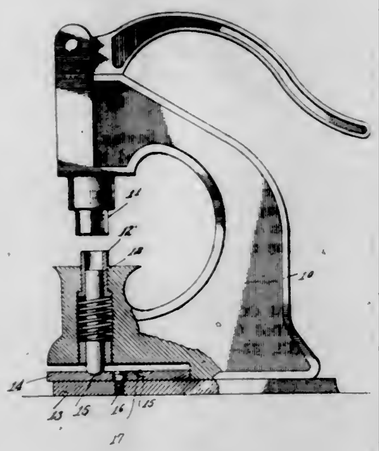
1,500,624. APPARATUS FOR CONDITIONING AIR. CLARENCE B. INGERSOLL, Chicago, Ill. Filed July 17, 1922. Serial No. 575,716. 2 Claims. (Cl. 261—115.)

1. In an apparatus of the class described, an open topped container for a body of liquid, a heater for the liquid held in said container, a plurality of nozzles, a

pump for forcing the heated liquid through said nozzles to rise in jets above said body, a canopy for receiving said jets, means associated with the canopy for returning said jets to said body in the form of a film-like cataract, means for inducing a current of air to traverse said cataract and jets and means for heating said air and liquid.



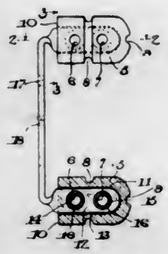
1,500,625. RIVETING MACHINE. CHRISTIAN J. JOHNSON, Colfax, Wis. Filed Apr. 3, 1923. Serial No. 629,640. 4 Claims. (Cl. 218—1.)



1. A riveting machine including an anvil supporting frame, the anvil projecting below the lower side of the frame, and a rotatable disk mounted beneath the lower end of the anvil and having a circular series of depressions of different depths for successively receiving the lower end of the anvil to raise and lower the anvil.

1,500,626. SUPPORTING INSULATOR. WILLIAM D. KYLE, Milwaukee, Wis. Filed July 22, 1922. Serial No. 576,758. 3 Claims. (Cl. 173—28.)

3. In a line conductor support, the combinatalon of a block of insulating material provided with spaced transverse wire-receiving openings, an annular wire-receiving groove lying in a plane between said openings, a wire receiving groove at the head end of said block, and a centrally disposed longitudinally extending slot, an attaching member having a part mounted in said slot with openings registering with said transverse openings and of greater diameter than said openings, and insulating material surrounding the edges of the openings in said member.



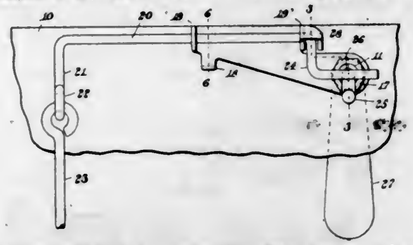
1,500,627. METHOD OF AND MEANS FOR MAKING SPRING-BEARD KNITTING NEEDLES. JOHN LAWSON, Pawtucket, R. I., and EVERETT A. QUINT, New Brunswick, N. J., assignors to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed July 24, 1923. Serial No. 653,457. 5 Claims. (Cl. 163—2.)



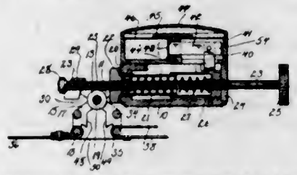
1. That process of making a spring beard needle comprising reducing a wire to a plurality of diameters, including a maximum diameter at the lower end and a minimum diameter at the upper end, forming the beard at the smaller end, bending the larger end at substantially right angles to provide material for an enlarged butt, pressing the needle blank so as to flatten the stem and the butt, and thereafter accurately removing the surplus metal from the butt, thereby providing a butt adapted to fit the cam groove with a close running fit.

1,500,628. VALVE-OPERATING DEVICE. FREELAND D. LESLIE, Milton, Mass. Filed Dec. 21, 1920. Serial No. 432,352. 4 Claims. (Cl. 4—67.)

1. In a device of the class described, a plate having lateral ears and an opening at one side of said ears; a rod mounted to oscillate in said ears and having at one end a valve operating arm and at the opposite end, adjacent one of said ears, an L-shaped arm the outer end portion of which is straight and parallel with said rod; a tubular member mounted in said opening and adapted to extend through the wall of a tank, said member having an outer head integral therewith; a spindle mounted in said tubular member having formed integral therewith an offset straight inner end normally below the axis of said spindle and midway of the straight portion of said L-shaped arm; and means for oscillating said spindle in either direction to cause the offset portion of said spindle to engage the straight portion of said L-shaped arm and move said rod about the axis.

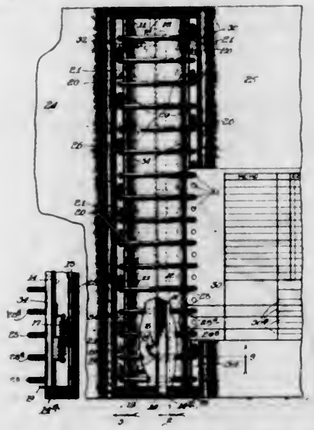


1,500,629. SPHYGMOMANOMETER. LOUIS H. LEVY, New Haven, Conn. Filed Nov. 14, 1923. Serial No. 674,683. 6 Claims. (Cl. 73—44.)



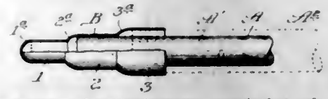
1. A sphygmomanometer, comprising an arm-band, two arms connected respectively to the ends of said band, means pivotally mounting said arms, a casing with which one arm is rigidly secured, a screw-stem slidably mounted in said casing, means operatively connecting said stem with the other arm, a slide in said casing, means operatively connecting said stem with the other arm, a slide in said casing and adapted to be actuated by movement of said stem, and indicating means associated with said slide whereby tension applied to said band will be indicated by said indicating means.

1,500,630. LOOSE-LEAF BINDER. ARTHUR J. LLOYD and GEORGE A. OLSEN, Chicago, Ill., assignors to Accounting Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1923. Serial No. 681,570. 3 Claims. (Cl. 129—17.)



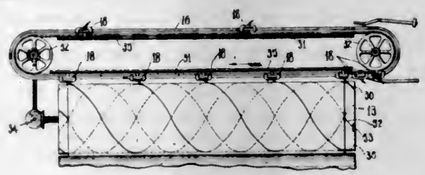
1. A loose-leaf binder comprising in combination, a pair of channel shaped members having their flanges projecting rearwardly and with two of the flanges placed in contact with their free edges hingedly connected, a bar slidably mounted upon each of the free flanges, prongs carried by each bar projecting through slots in the web of the channel, said prongs curved concentrically to the axis of said hinge, said bars adapted to slide with movement of its carried prongs in said slots.

1,500,631. CURTAIN-ROD LEADER. NELLIE FORSMAN MANSURE, Chicago, Ill. Filed Sept. 7, 1920. Serial No. 408,486. 2 Claims. (Cl. 223—38.)



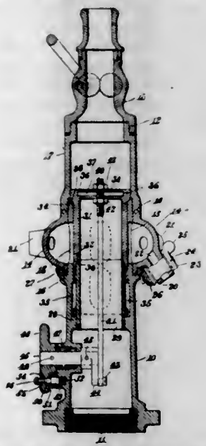
1. An article of manufacture, consisting of a thimble comprising a plurality of cylindrical socket sections of successively reduced size, each cylindrical section having substantially parallel walls and being joined to the adjacent section by tapering walls, the small end section having a closed tip.

1,500,632. METHOD AND APPARATUS FOR CUTTING BIAS STRIPS. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1920. Serial No. 401,277. 9 Claims. (Cl. 164—17.)



1. The method of cutting bias strips from a relatively long sheet of fabric, consisting in supporting the fabric on a moving surface, making repeated bias cuts from edge to edge of the fabric by passing a cutting member across the moving surface at right angles to its direction of movement, and removing from the surface the bias strips thus cut.

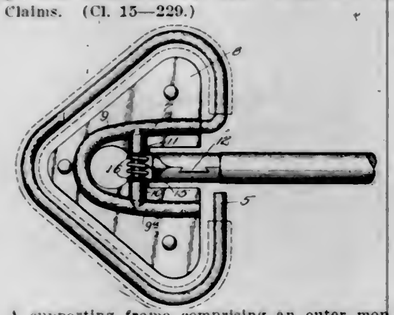
1,500,633. FIRE-HOSE NOZZLE. WILLIAM J. MARSHALL, East Boston, Mass. Filed Aug. 14, 1923. Serial No. 657,340. 12 Claims. (Cl. 299—148.)



1. In a device of the class described, the combination of a casing having lateral ports; a valved nozzle on one end of said casing; a hollow member surrounding said casing opposite said ports and provided with a plurality of discharge openings; a tubular member fitting the inner

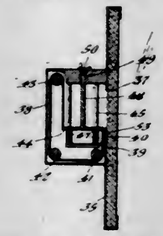
wall of said casing and provided with ports adapted to register with the casing ports; and a crank within said casing for moving said tubular member endwise.

1,500,634. MOP FRAME. JACOB A. MEINHARDT, Chicago, Ill. Filed Jan. 24, 1923. Serial No. 614,594. 4 Claims. (Cl. 15—229.)



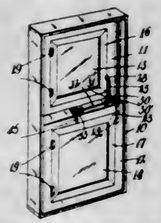
1. A supporting frame comprising an outer mop supporting loop, a second loop formed integrally therewith and located entirely within the mop supporting loop, a bearing plate secured to the internal loop of the frame and having its periphery terminating adjacent said outer loop and spaced therefrom to permit free movement of the mop on said outer loop, the inner and outer loops and the bearing plate being in substantially the same plane, and a handle support secured to said bearing plate.

1,500,635. THEFT DETECTOR FOR AUTOMOBILES. JOSEPH J. MICHALSKI, Buffalo, N. Y. Filed June 29, 1923. Serial No. 648,481. 10 Claims. (Cl. 40—22.)



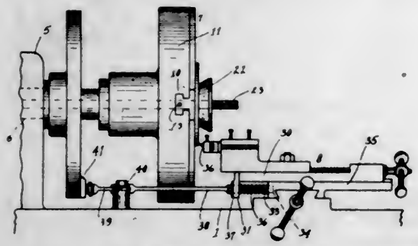
10. A theft detector for a vehicle windshield or the like, comprising a pair of contrasting complementary detecting members applied to the windshield and visible through the same, one of said members being detachably mounted on the latter and arranged to render the other detecting member inoperative when the former is in its operative position.

1,500,636. WINDOW-LOCKING ARRANGEMENT. JOSEPH PERZESZTY, New York, N. Y. Filed May 8, 1922. Serial No. 559,136. 4 Claims. (Cl. 20—48.)



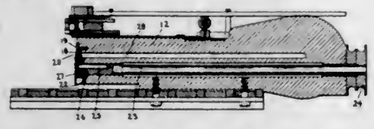
1. A window comprising upper and lower sliding sashes, and supplementary pane carrying sashes each movably mounted in said sliding sashes and enclosed on all sides by the latter, and a unitary means for locking all of said sashes.

1,500,637. GROOVE-CUTTING MACHINE. OSCAR PILLAR, Oakland, Calif., assignor to Vacuum Groove Piston Ring Corporation, Oakland, Calif., a Corporation of California. Filed Apr. 5, 1922. Serial No. 549,951. 1 Claim. (Cl. 82—19.)



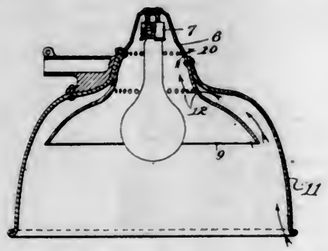
In a machine as disclosed, a chuck shaft, a chuck on said shaft for holding the piston ring, a lathe tool holder, a plate secured to the end of the longitudinal slide of said tool holder, a spring engaging said tool holder and said plate for holding said slide in position with the tool in said holder in engagement with the side of the ring, a pitman connected at one end to said plate, and a cam lever connected to the other end of said pitman, and a cam on said chuck shaft for engaging said cam arm to move said slide to withdraw said tool for a short interval from the ring to form a short break in the continuity of the groove cut in the ring by said tool.

1,500,638. CUTTING MECHANISM. ALBERT F. PRESTON, deceased, late of Boston, Mass., by John Abbott, Winchester, and Alfred Benson White, Brookline, Mass., administrators. Original application filed May 18, 1916, Serial No. 98,342. Patent No. 1,383,023, dated June 28, 1921. Divided and this application filed Apr. 21, 1921. Serial No. 463,292. 5 Claims. (Cl. 164—47.)



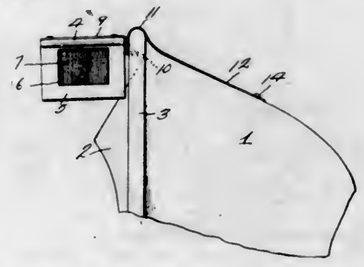
1. A cutting apparatus comprising a movable cutter or blade having a curved cutting edge, the projection of which on the cutting plane is curved and a complemental cutter for holding the stock against the thrust of said cutting edge and at one side of the path thereof.

1,500,639. ELECTRIC LAMP. JOHN J. REKAR, Los Angeles, Calif. Filed Feb. 12, 1923. Serial No. 618,500. 3 Claims. (Cl. 240—1.)



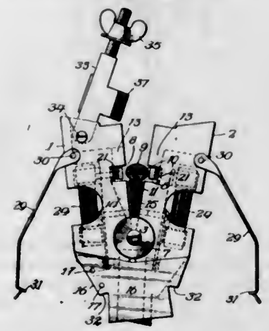
1. In an electric lamp the combination of a parabolic reflector having ports in the upper part thereof; a bell-shaped dome secured to the top of said reflector having ports therein; a bulb socket mounted in said dome; and a canopy secured to the bottom of said dome, said canopy surrounding said reflector and being spaced from the bottom of the reflector and projecting below the same, said canopy having the inner surface of the walls thereof which project below the reflector adapted to reflect rays from a bulb in the socket, whereby currents of heated air pass out of the dome and prevent cold air from striking the light bulb.

1,500,640. AUTOMOBILE HEADLIGHT ATTACHMENT. DAVID A. RITCHIE, Centralia, Ill. Filed May 24, 1923. Serial No. 641,145. 1 Claim. (Cl. 240—46.)



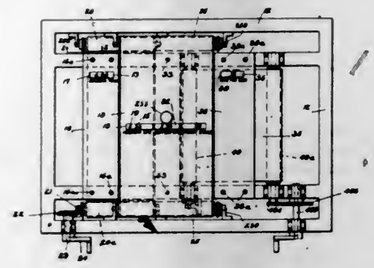
The combination with an automobile headlight comprising a casing, a lens carried by said casing, a rim carried by said casing, of an inverted horizontally and longitudinally disposed U-shaped member forwardly of the lens and having its sides diverging downwardly and provided with openings, differently colored transparent members in said openings, a supporting bracket for the U-shaped member, said supporting bracket comprising an arm detachably connected to the upper side of the casing rearwardly of the rim, the forward end of said arm being bent upon itself to form a downwardly and rearwardly extending clamping arm for clamping over the rim, said rim clamping arm terminating in an upwardly and forwardly extending arm, said upwardly and forwardly extending arm being attached to the U-shaped member, said supporting bracket being formed from a single piece of material.

1,500,641. ELECTRICAL CONNECTER. GUY O. SABOURIN, West Brighton, N. Y., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 1, 1920. Serial No. 413,992. 8 Claims. (Cl. 173—340.)



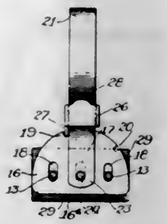
1. An electrical connecter comprising two blocks which are pivoted upon each other and which when open present an opening to receive and align a cable comprising two conductors, and two opposed knife contacts arranged in the blocks in position to cut into the cable and connect with the conductors thereof respectively when such blocks are brought together.

1,500,642. TIME AND COST CALCULATOR. HARRY SALDINGER, Chelsea, Mass. Continuation of application Serial No. 405,149, filed Aug. 21, 1920. This application filed Aug. 9, 1922. Serial No. 580,644. 2 Claims. (Cl. 235—86.)



2. A calculating machine comprising a frame, a plurality of pairs of spools journaled in bearings on the frame, a plurality of ribbons engaged with said spools, there being one ribbon for each pair of spools, means for manually moving a spool of each pair to wind up an end portion and unwind the opposite end portion of either ribbon, one of said ribbons constituting a screen ribbon having a sight-opening, another constituting a price ribbon which is movable in a path at right angles with the path of the screen ribbon, and another constituting a time ribbon which is movable in a path parallel with the path of the screen ribbon, and compensating mechanisms associated with the spools, and organized to compensate for the diametrical variations caused by the winding and unwinding of the ribbons, and to automatically take up the ribbons, each of said compensating mechanisms including a smaller gear attached to a spool shaft, a larger gear meshing with the smaller gear, a fixed stud supporting the larger gear, and a spring connecting the stud with the larger gear.

1,500,643. CUTTER HOLDER. OSCAR L. SCALBOM, Glenview, Ill. Filed Nov. 24, 1922. Serial No. 603,085. 22 Claims. (Cl. 30—25.)

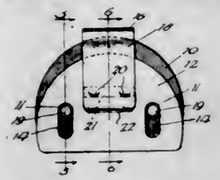


1. A cutter blade holder embodying cooperating members between which the blade is held, a handle detached from the members, means of co-operating with the handle for causing the said members to clamp the blade, the cutting edge of said blade projecting beyond the members, and means adapting one of the members to be projected beyond the cutting edge of the blade.

1,500,644. CUTTER HOLDER. OSCAR L. SCALBOM, Glenview, Ill. Filed Aug. 3, 1923. Serial No. 655,411. 15 Claims. (Cl. 30—25.)

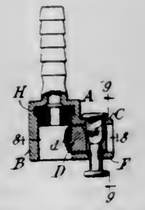
1. A cutter blade holder embodying two co-operating blade clamping members, means for maintaining the members in operative relation, means for causing the

members to exert a clamping action upon the blade, the first recited means embodying provisions adapting one of



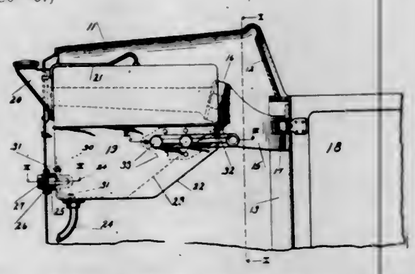
said members to be projected beyond the cutting edge of the blade, and means for locking the said member in its said projected position.

1,500,645. QUICK-ACTING PUMP COUPLING. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y., and HENRY PHILLIP KRAFT, Ridgewood, N. J. Filed May 20, 1921. Serial No. 471,242. 6 Claims. (Cl. 285—150.)



6. A pump coupling or the like, having an enlarged body portion formed with a recessed lateral extension or offset, a movable dog in said recess adapted to engage a threaded member to hold the coupling thereon, and a spring-pressed plunger acting to normally hold the dog in engaging position, the spring being arranged between one end of the plunger and the exterior of the extension.

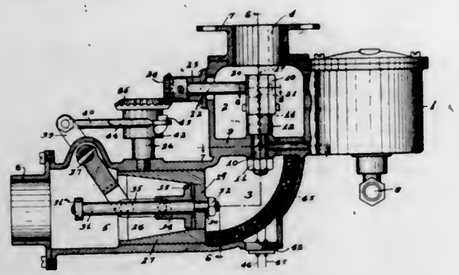
1,500,646. MOTOR VEHICLE. FABIO SERGARDI, East Orange, N. J., assignor to Willys Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1920. Serial No. 431,758. 18 Claims. (Cl. 280—5.)



1. In a motor vehicle, the combination of a body including a cowl and a dash, a fuel tank within the cowl, a removable pin carried by the dash and adapted to support the front of the tank, arms extending from the rear of the tank, pins projecting through said arms, and means adapted to support said pins.

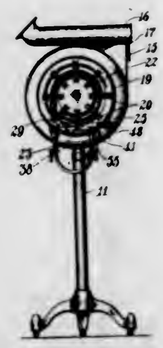
1,500,647. CARBURETOR. ALFRED SHACKLETON and NILS RYERSEN, Chicago, Ill. Filed Sept. 27, 1920. Serial No. 413,024. 4 Claims. (Cl. 261—50.)

1. In a carburetor, a mixing chamber, means for admitting air thereto, an upright standard in said chamber having a cavity therein, a fuel supply conduit leading to said standard, a fuel duct leading through said standard from said conduit to said cavity, a round plug occupying said cavity, said plug having a groove therearound in position to register with said duct, the bottom of said groove forming a spiral concentric with said plug, a lug in said groove between the shallowest and deepest parts thereof contacting with the wall of said cavity, and a fuel outlet leading from said cavity to the top of said upright, whereby rotating the plug through nearly a complete revolution will change the delivery capacity of the standard from one extreme to the other.



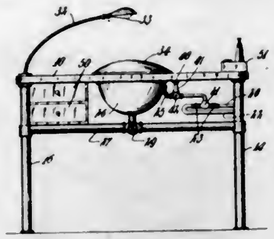
4. In a carburetor, a vertical mixing chamber, a horizontal air inlet, an air chamber connecting said air inlet and mixing chamber, a slidable air controlling valve between said air inlet and said air chamber, a rotatable fuel controlling valve in said mixing chamber, and mechanism connecting said valves for simultaneous operation, said mechanism including a vertical stub shaft rotatably mounted on the air inlet wall, and a horizontal shaft journalled in the wall of the mixing chamber.

1,500,648. HAIR-DRIER-HEATER IGNITION DEVICE. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,282. 2 Claims. (Cl. 67—201.)



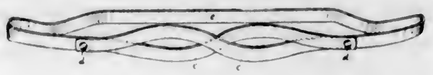
1. In a device of the class described, a burner, a bar hinged at one end adjacent said burner to swing vertically toward and away from said burner, a stud on which said bar is hinged, said stud having a socket formed therein, a pyritic ignition device carried by the other end of said bar, a trigger element on said bar a short distance from the hinged end thereof for operating said ignition device, and an arm element fulcrumed on the said bar adjacent the hinged end thereof and having on one end a tooth adapted to releasably engage in said socket to hold the bar in position with the free end thereof adjacent the said burner while the said trigger element is being worked.

1,500,649. MANICURING TABLE. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,283. 2 Claims. (Cl. 45—31.)



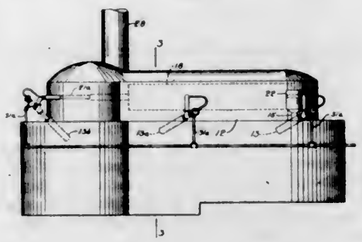
1. In a manicuring table, a basin set therein, a removable cushioned cover for said basin, a water supply pipe leading to said basin, a valve on said pipe, and means for automatically opening and closing said valve upon insertion or removal of said cover, said means including a bar slidable in the table and having a cam end projecting into the basin, said cam being in the path of movement of said cover as the latter is placed on the table in position covering said basin and being adapted to be engaged by the said cover to move the said bar, and operative connections between the bar and valve.

1,500,650. VEHICLE BUMPER. HENRY LUND SMITH, Paterson, N. J. Filed Oct. 2, 1920. Serial No. 414,284. 6 Claims. (Cl. 293—55.)



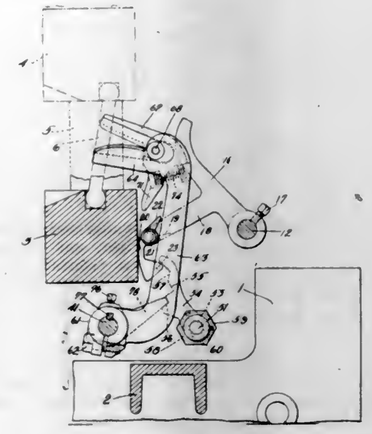
1. A vehicle bumper including a pair of coacting elongated impact members projecting in opposite directions and each having reverse bends formed up and down and each member intersecting the other between two adjoining bends thereof.

1,500,651. GLASS-MAKING APPARATUS. WILLIAM R. SMITH, Buffalo, N. Y. Filed Jan. 28, 1920. Serial No. 354,619. 6 Claims. (Cl. 49—54.)



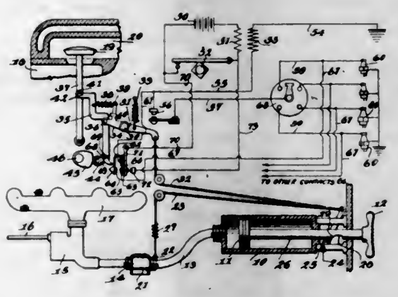
1. A glass-making apparatus comprising a closed tank formed to confine a body of molten glass, an elongated tubular melting twyer extending through the wall of the tank, the inner end of the twyer constituting a burner located within the tank above the bottom thereof, means for admitting gas and air under pressure to the outer end portion of the twyer, and means for delivering glass materials to the flame resulting from combustion at said burner, so that said materials may be projected into the tank, melted by the burner flame and accumulated in a molten condition in the tank below said burner.

1,500,652. WIRE-FILLING CUTTER FOR WIRE-FABRIC LOOMS. WILLIAM S. SOUTHWICK, Clinton, Mass., assignor to Wickwire Spencer Steel Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1921. Serial No. 449,836. 10 Claims. (Cl. 139—264.)



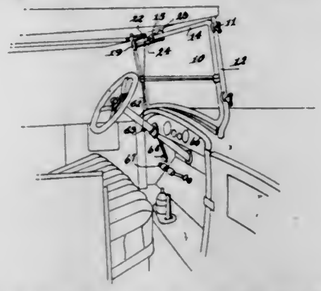
4. In a loom organized for weaving wire fabric and provided with an automatic filling replenishing mechanism, including automatic tension means for positively and successively positioning the uncut ends of the wire filling, a wire filling cutter mechanism comprising a feeler-timed oscillating shaft, a bunter mounted thereon, a second oscillating shaft, connections between said two shafts for operating the second shaft in one direction, yielding means for operating the second shaft in the opposite direction, an arm carried by the second shaft and provided with a wire filling cutter, means for holding the second shaft in position due to the operation of the first shaft and said yielding means, and means for operating said bunter to unlock the said mentioned holding means.

1,500,653. ENGINE STARTER. WALTER J. SPIRO, White Plains, N. Y. Filed Jan. 2, 1923. Serial No. 610,217. 15 Claims. (Cl. 123—180.)



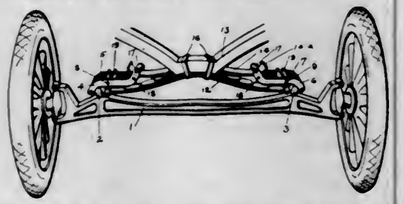
1. In an engine starter, means for charging an ignition chamber with a gaseous fluid under pressure, intake and exhaust valves for said chamber, ignition means therefor, controlling cams of said valves, and a lifter member controlled by one of said cams and the charging means for successively engaging a portion of one of said valves, lifting the same, releasing the valve, and controlling the ignition means.

1,500,654. WINDSHIELD CLEANER. WALTER J. SPIRO, White Plains, N. Y. Filed Jan. 2, 1923. Serial No. 610,218. 13 Claims. (Cl. 15—255.)



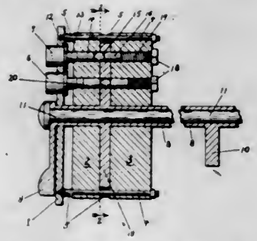
1. In a windshield cleaner, a manually operable member, a movable arm carrying a wiper, and actuating means between said member and arm shiftable at its actuating connection with the arm to reverse the direction of drive thereof by successive operations of said member in one direction.

1,500,655. SHOCK ABSORBER. FRANKLIN S. SPRINGSTEAD, Rochester, N. Y. Filed Jan. 18, 1923. Serial No. 613,512. 2 Claims. (Cl. 269—19.)



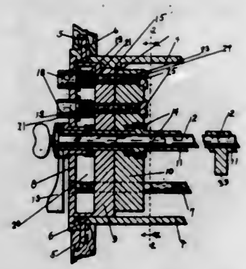
1. A shock absorber associated with an axle and chassis, a supporting spring for said chassis, a lever pivoted on a support formed on the axle at the outer end ereeof, a short spring interposed between the chassis and the long chassis supporting spring, said lever being pivoted to the short spring at the inner end of the lever and to the long supporting spring at an intermediate point of the lever, said springs being attached to said chassis, said short spring having an upturned end, a roller carried on the lever under which said spring engages, said upturned end engaging with said roller on the rebound of the car and limiting the upward movement thereof.

1,500,656. PERMUTATION LOCK. OTTO H. STOLBERG, San Francisco, Calif. Filed Nov. 29, 1920. Serial No. 426,939. 10 Claims. (Cl. 70—54.)



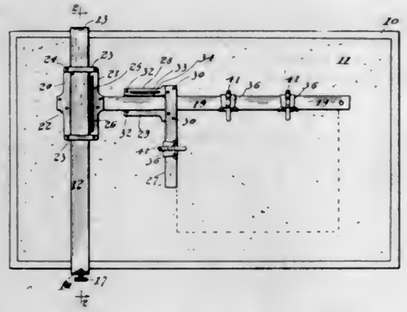
1. A permutation lock provided with a rotating shaft and a plurality of plates having registering perforations, one of said plates secured to said shaft and rotatable therewith, sectional stems in said perforations, push buttons having stub stems projecting into said perforations and adapted to push those stems into position with their sectional divisions in and out of register with the dividing planes of said plates, thereby controlling the rotation of said rotatable plate.

1,500,657. PERMUTATION LOCK. OTTO H. STOLBERG, San Francisco, Calif. Filed Mar. 27, 1922. Serial No. 546,967. 6 Claims. (Cl. 70—54.)



1. A permutation lock, comprising a casing, two plates, being a front plate and a middle plate spaced apart and fixed in said casing against oscillation, an oscillable shaft in said casing, a back plate fixed to said shaft and oscillable therewith, co-acting means in said middle and back plates adapted to lock said back plate in an inoperative position and means to release said locking means.

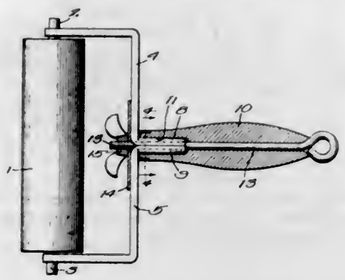
1,500,658. FEED GAUGE FOR PRINTING PRESSES. JOHN M. STEMIC, Chicago, Ill. Filed Sept. 5, 1918. Serial No. 252,745. Renewed Dec. 10, 1923. 9 Claims. (Cl. 101—413.)



1. A device for the purpose described comprising in combination a gauge bar, the ends of which are of a thickness spacing the intermediate portion of the gauge bar from the platen and project at an angle adapting said ends to embrace the edges of the platen of a printing press, and a screw for tightly clamping the gauge bar in its operative position to the platen.

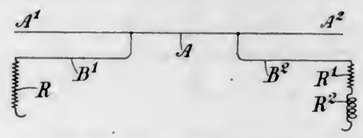
1,500,659. ROLLER. THOMAS W. SUDDARD, Two Rivers, Wis., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Aug. 23, 1922. Serial No. 583,712. 6 Claims. (Cl. 91—62.5.)

1. A roller including a revoluble member carrying shaft portions upon opposite sides thereof; a ball between the sides of which said revoluble member is disposed and having openings in its ends in which said shaft portions are mounted to turn, said ball having a stem split lengthwise into sections and formed with a bore extending longitudinally thereof; a handle formed with a socket receiving said stem; a bolt passing lengthwise through the handle and through the bore of the stem; a washer having the mid portion of the ball interposed between it and the inner end of the handle and through which said bolt



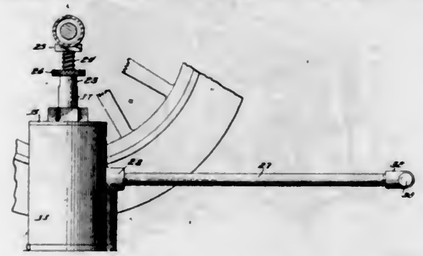
is passed; and a clamping nut upon the inner end of the bolt, the outer end of the bolt projecting through the outer end of the handle and there enlarged into a support engaging portion that also serves to limit the extent to which the nut may draw the bolt toward the revoluble member.

1,500,660. TELEGRAPH CABLE. HERBERT WATSON SULLIVAN, London, England. Filed Mar. 31, 1921. Serial No. 457,469. 4 Claims. (Cl. 178—63.)



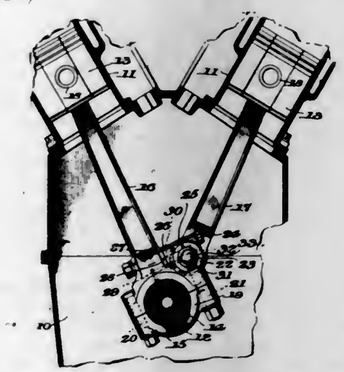
1. In a telegraph system, the combination of a signal transmitting conductor, earthing apparatus located at an "above-water-station" and at least one other conductor extending lengthwise along and side by side with the said signal transmitting conductor, and electrically connected at one end to said apparatus and at the other end to the said signal transmitting conductor at a point between and remote from the ends thereof, said conductors being enclosed within a protective covering, substantially as set forth.

1,500,661. PNEUMATIC LIFTING JACK. OSCAR J. SUNDSTRAND, Rockford, Ill., assignor of one-half to Henry Lee Smith, Chicago, Ill., and one-half to Edward G. Peterson, Rockford, Ill. Filed Dec. 24, 1921. Serial No. 524,803. 3 Claims. (Cl. 138—9.)



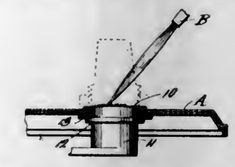
1. A portable jack of the character described, comprising a cylindrical body one end of which forms a base on which the body rests in the operative position, a piston in the cylinder having a jack extending from the opposite end thereof, the piston being adapted to be raised by fluid pressure in the cylinder and lowered by exhaust of said pressure, a fluid-pressure supply pipe connected to the body and disposed in a plane at substantially right angles to the longitudinal axis of said body, a handle on the outer end of said supply pipe, and means on the body for holding it from rolling when positioned on one side with its handle upright.

1,500,662. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 4, 1920. Serial No. 408,235. 13 Claims. (Cl. 74—17.)



11. In a hydrocarbon motor, the combination with a crank shaft, of a connecting rod mounted thereon, a trunnion block bolted to said connecting rod, and a second connecting rod hinged on said trunnion block, said first connecting rod and said block having communicating oil passages to carry oil to the second connecting rod.

1,500,663. METHOD AND MEANS FOR REPLACING BATTERY POSTS AND THREADS. JOSEPH CLOPTON BALL, Kinsale, Va. Filed Jan. 6, 1923. Serial No. 611,191. 8 Claims. (Cl. 204—29.)

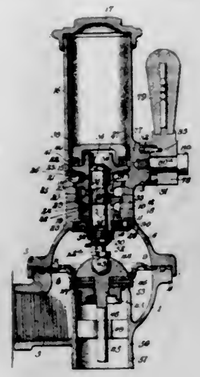


1. The method of replacing mutilated storage battery posts consisting of sawing off the worn battery post close to the battery jar cover, placing a mold around the remaining portion of the post, placing molten metal in the mold, and removing the mold after the metal has become solidified.

1,500,664. FLUSHING DEVICE. THOMAS ROBERT BEGGS, New York, N. Y., assignor to The Beggs Engineering Company, Incorporated, Hartford, Conn. Filed June 30, 1920. Serial No. 393,092. 29 Claims. (Cl. 137—93.)

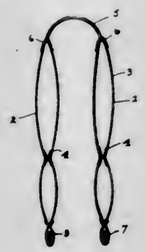
27. A flushing valve comprising a hollow body member, a yieldable member dividing the body member into superposed chambers, one of which has a flushing outlet, means for connection with the service pipe, a valve for the outlet carried by the yieldable member, a third chamber arranged vertically and carried by the body member, a passage between the third chamber and the higher one of the first two chambers, a vertically movable valve in the passage, a valve structure carried by the yieldable member and movable in the third chamber,

a plunger also movable in the third chamber above the valve structure, an outlet chamber having a duct leading to the third chamber, another duct leading from the outlet chamber to the flush bowl, a manually operable plunger adapted when actuated to move the vertically



movable valve in the passage, a duct leading from the third chamber to the lower one of the superposed chambers, said outlet chamber being controlled by the manually operable plunger to place the upper one of the superposed chambers into communication with the outlet chamber.

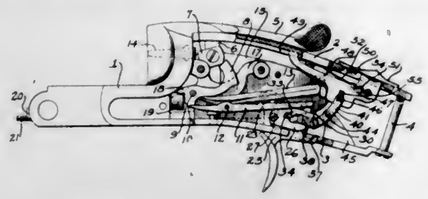
1,500,665. LIFE PRESERVER. ALBERT BLANKENHAGEN, Akron, Ohio, assignor to A. E. Bauman, Akron, Ohio. Filed May 27, 1922. Serial No. 564,011. 4 Claims. (Cl. 9—17.)



1. A life preserver comprising in combination a plurality of independently inflatable fluid containers each formed of a single sheet of flexible material connected together along its edges and at intermediate points, a plurality of elastic straps connecting the containers in spaced relation, a plurality of looped elastic straps secured to the free ends of the containers, and a belt fitting into the looped straps for attaching the containers to the body of the wearer.

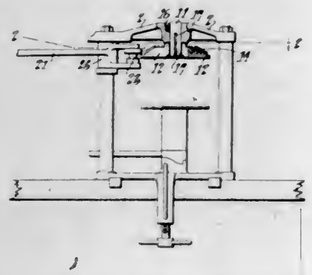
1,500,666. TRIGGER MECHANISM FOR GUNS. FRANK BOSTLEY, South Williamsport, Pa. Filed June 8, 1923. Serial No. 644,126. 6 Claims. (Cl. 42—42.)

4. In a trigger mechanism for double-barreled guns, a pair of sears, one for each barrel, said sears having inwardly projecting lugs, a pivotally mounted trigger having a block for engaging said lugs successively upon a continuous pull of the trigger to operate the respective sears, a pivotally mounted lever connected by a link to said block, said lever being adjustable to one extreme position to adjust the block so that the left hand sear will be operated first and adjustable to the other extreme position to adjust said block so that the right



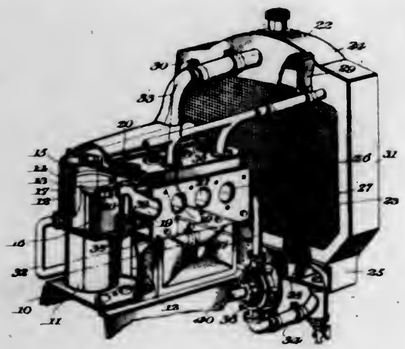
hand sear will be actuated first, and means on said lever operating as a safety lock when the lever is adjusted to intermediate position.

1,500,667. SPRING PIN. FRANK W. BURPEE, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 602,242. 2 Claims. (Cl. 64—66.)



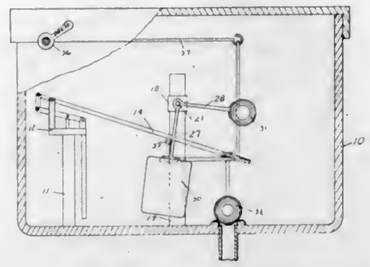
1. A pin, one end of which is secured in a support to project the other end therefrom, the outwardly projecting end of the pin being lengthwise split with the plane of the split normal to the direction of the applied strain.

1,500,668. HYDROCARBON MOTOR. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 29, 1918. Serial No. 231,503. 30 Claims. (Cl. 123—170.)



1. The combination with a hydrocarbon motor having separated water jackets, of two separate radiator parts, and connections defining separate paths of circulation through each jacket and one of the radiator parts.

1,500,669. VALVE-CONTROL MECHANISM FOR CONTAINERS. HERMAN R. CUNNINGHAM, Glendale, Calif. Filed Dec. 21, 1922. Ser. No. 608,206. 9 Claims. (Cl. 137—104.)



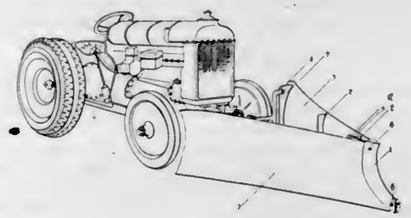
7. In a flush tank, a container, a water inlet, an outlet, an overflow pipe, a valve for controlling said water inlet, a lever for operating said valve, a float in said container mounted on the overflow pipe, a second float mounted in said container above the first float, means movable by the first mentioned float for engaging the lever to hold the valve closed when the floats are in one position, the weight of said lever acting to hold the valve open when the floats are in another position, said means having a sliding engagement with the lever while the floats are passing from one position to another.

1,500,670. MAKING DILUTE PERMANENT TURBID EMULSIONS. MELVIN DE GROOTE, Pittsburgh, Pa. Filed Mar. 17, 1923. Serial No. 625,899. 15 Claims. (Cl. 99—11.)

9. In a new article of manufacture, a substantially clear syrup for making turbid acidulated sweetened beverages, containing sugar syrup, an acid and a water insoluble liquid having an index of refraction approximating that of the syrup, said liquid being in sufficiently fine dispersion to remain in permanent suspension, substantially as described.

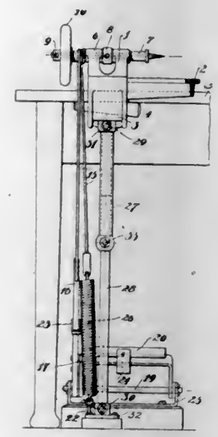
15. That step in the process of making a syrup to be used in the manufacture of turbid acidulated sweetened beverages, which consists in dispensing in a sugar syrup a water insoluble liquid to a sufficiently fine dispersion to remain in permanent dispersion therein and to produce a turbid appearance upon dilution to the final beverage, substantially as described.

1,500,671. SNOWPLOW. KENNETH W. CONOVER, Belmar, N. J., assignor to Edward H. Thomson, Bradley Beach, N. J. Filed Jan. 10, 1923. Serial No. 611,906. 5 Claims. (Cl. 37—44.)



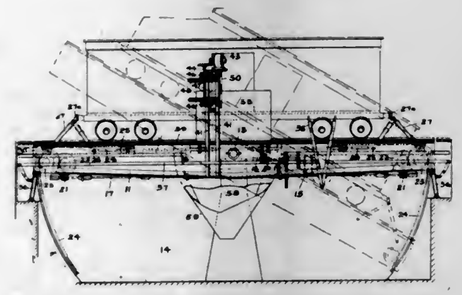
1. A snow plow including a frame, a point rigidly mounted thereon and having diverging side members, bracing means extending transversely between the side members, side wings extending at their forward ends between said side members and pivoted directly to said bracing means to be swingingly connected with the point thereby, and means coacting between the side wings and the frame for adjustably spreading said wings.

1,500,672. PORTABLE TREADLE LATHE. HENRI COULLERY, La Chaux-de-Fonds, Switzerland. Filed Mar. 22, 1922. Serial No. 545,873. 2 Claims. (Cl. 74—14.)



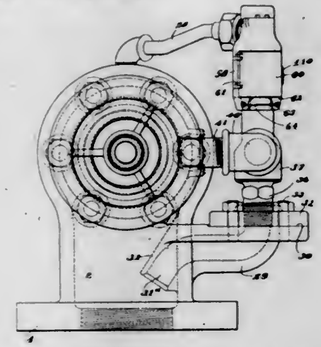
1. In a portable treadle lathe, a head stock, a floor-engaging base, a rotary spindle carried by the head stock, driving means for said spindle partially supported upon the base and extending to the spindle, means for clamping the head stock to a support, and adjustable means connecting the head stock with the base constituting spacing means permitting the attachment of the clamping means for the head stock to supports of varying elevations, the base remaining in engagement with a floor.

1,500,673. CAR-UNLOADING DEVICE. FREDERICK W. COWIE, Montreal, Quebec, Canada. Filed Dec. 13, 1920. Serial No. 430,296. 40 Claims. (Cl. 214—47.)



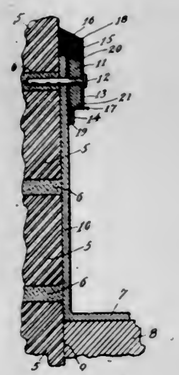
1. In a car unloading device, a rockable platform supported above a pit of a size to receive the ends of the platform during rocking movement thereof, vertically disposed racks positioned in the pit at opposite ends of the platform, pinions carried by the platform meshing with said racks, and driving means for the pinions.

1,500,674. SAFETY VALVE. PHILIP G. DARLING, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed July 2, 1921. Serial No. 482,047. 23 Claims. (Cl. 137—53.)



1. A safety valve device comprising a casing, a valve seat therein, a main valve cooperable with said seat and normally held to the seat by fluid pressure, a fluid motor independent of said casing, and means actuated by the fluid motor after a predetermined interval of operation thereof for relieving the seating pressure on the main valve.

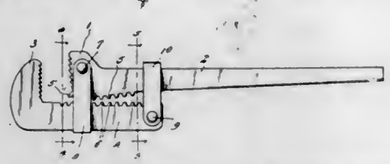
1,500,675. ROOF FLASHING. SHERWOOD BADGER FAISON, Cincinnati, Ohio. Filed Apr. 6, 1923. Serial No. 630,332. 4 Claims. (Cl. 108—26.)



1. As an article of manufacture, a roof-flashing fastening and re-inforcing strip comprising a filler or core of wood or the like and a metal sheathing or covering encompassing the said filler or core.

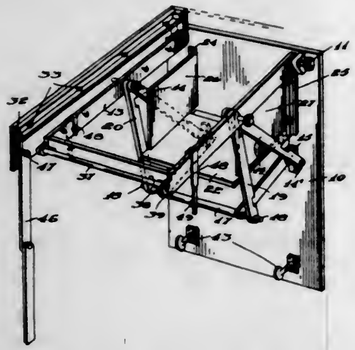
1,500,676. PIPE WRENCH. EMIL R. FRANK, Sioux City, Iowa. Filed Jan. 6, 1923. Serial No. 611,000. 3 Claims. (Cl. 81—134.)

1. In a wrench of the class described including an inner and an outer jaw member, each having a longitudinally extending shank formed thereon, a strap connection between the inner jaw and the shank of the outer jaw, said strap being pivotally secured to the inner jaw, and loosely engaging over the shank of the outer jaw for permitting of a relative sliding movement between the jaws, and also permitting of a swinging movement of the inner jaw with respect to the outer jaw, teeth formed upon the adjacent surfaces of the shanks of the jaws adapted for inter-meshing when the inner jaw is swung upon its pivot, and means for limiting the swinging movement of the inner jaw with respect to



the outer jaw whereby the relative swinging movement between the jaw members provides for increased gripping action of the jaws on the work in use.

1,500,677. COLLAPSIBLE CLOTHES CABINET. JOHN HENRY HYAMS, Chicago, Ill. Filed June 19, 1922. Serial No. 569,284. 1 Claim. (Cl. 45—118.)

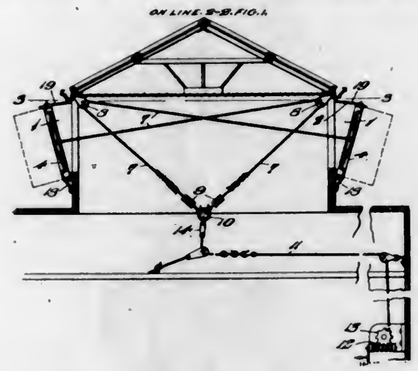


A collapsible clothes cabinet comprising a back board, a casing pivotally secured to the back board, a suitable frame within the casing, supporting links pivotally secured intermediate of the casing and similarly secured at their other ends to anchoring posts on the back board, supporting links pivotally secured with the first links on the casing, and adapted to support a clothes rod, cross supporting links pivotally engaging the clothes rod and the anchoring post, a shoulder intermediate of the back board, a shelf hingedly mounted on said shoulder, a pair of vertical members mounted on the back board above and coinciding with the ends of said shoulder, side walls hingedly attached to the vertical members designed to form a hat receptacle, foldable auxiliary supporting legs pivotally mounted on the casing, means for holding said legs in collapsed position, a U-shaped auxiliary suspending member for the casing, a plurality of hook members around the top of the casing, a curtain for said device, a plurality of orifices in the curtain designed to engage with said hooks, and means to hold the device from a wall or the like.

1,500,678. SKYLIGHT. ARTHUR R. KONSALIK, Philadelphia, Pa. Filed Dec. 31, 1923. Serial No. 683,540. 4 Claims. (Cl. 108—16.)

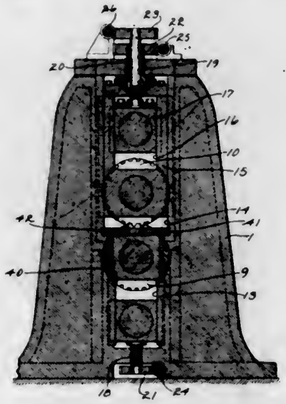
1. A skylight construction of the character stated, comprising a supporting structure having a vertically disposed wall, a frame projected therefrom including a downwardly sloping top and vertical sides, the outer edges of which sides incline from the juncture of the frame with said wall upwardly and outwardly, pintles inclined upwardly and outwardly and arranged at the frame outer corners in parallelism with the said inclined edges, an outwardly opening laterally movable cover section carried by each pintle each cover section having an inner

inwardly deflected flange, a central, substantially T-shaped outwardly inclined member for said frame, positioned centrally of said inclined pintles, against which



central member, the inner flanged terminals of each cover section abut in closed position and means common to each cover section for maintaining the latter in closed position.

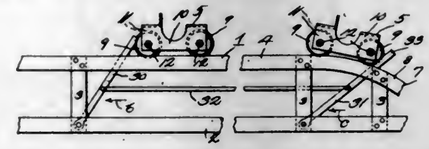
1,500,679. CALENDER. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 29, 1921. Serial No. 488,263. 15 Claims. (Cl. 18—2.)



8. In a calender construction the combination of four calender rolls arranged one over the other, a frame, a movable support in the frame to hold the two upper rolls, a support within and movable alone as well as with the movement of the first support, a movable support for the lowest roll and a fixed support for the other roll, means to rotate said rolls, and mechanism acting through said supports to move the two upper rolls together, the upper roll alone, or the lower roll alone, while the rolls are rotating.

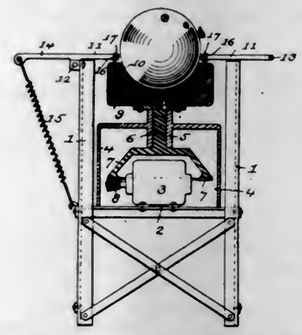
1,500,680. AUTOMOBILE STAND. JOSEPH MILLER, Fostoria, Ohio. Filed May 10, 1922. Serial No. 559,815. 1 Claim. (Cl. 254—88.)

An automobile stand comprising a frame, spaced rails carried by said frame in a horizontal position and in parallel relation, said rails adjacent one end of the frame inclining downwardly and outwardly, wheel supported axle engaging carriages mounted on the rails and adapted to engage the axles of an automobile, a lever pivoted adjacent the inclined ends of the rails and adapted to cooperate with the carringe for engaging the rear axle and moving said carriage longitudinally on the rails, upwardly extending curved members carried by the lower ends of the inclined ends of the rails and adapted to engage the carriages and limit their movement in one di-



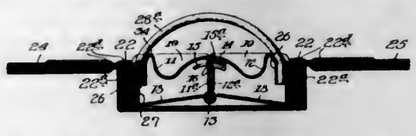
rection, and lever means operable from the other end of the frame and cooperating with the first named lever and forming means whereby said first named lever may be moved, said lever means being foldable to a position below the rails and extensible to a position above the rails.

1,500,681. MACHINE FOR CLEANING BALLS. BOHUMIL R. MUDRA, Chicago, Ill. Filed Jan. 14, 1922. Serial No. 529,351. 8 Claims. (Cl. 15—21.)



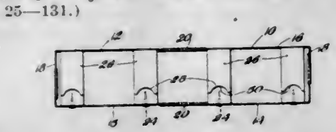
3. In a ball cleaning machine of the type described, the combination of a main frame, a vertical shaft journalled in said frame, means for imparting rotation to said shaft, a cleaning head mounted on the upper end of said shaft and provided with a concave cleaning recess in its upper surface, a holding frame pivoted at one side of the main frame and having a central ring adapted for supporting engagement with a ball to be cleaned or polished, and a balancing means for said holding frame.

1,500,682. LOOSE-LEAF BINDER. GEORGE A. OLSEN, Chicago, Ill., assignor to Accounting Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1923. Serial No. 681,571. 5 Claims. (Cl. 129—17.)



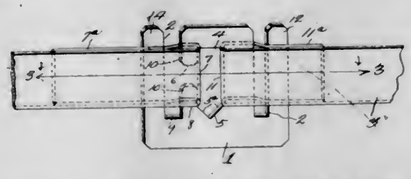
1. A loose-leaf binder comprising in combination, co-acting channel and L-shaped members, each channel-shaped member hinged to a like member and each L-shaped member enclosing the open back and ends of its co-acting channel-shaped member, one of each of said co-acting members having openings, the other thereof having tongues inserted in said openings and bent to retain the co-acting members together, and front and back covers hingedly connected to said L-shaped members.

1,500,683. APPARATUS FOR FORMING HOLLOW CONCRETE WALLS. WILLIAM A. OTTERSON, Boston, Mass. Filed Sept. 8, 1922. Serial No. 586,982. 2 Claims. (Cl. 25—131.)



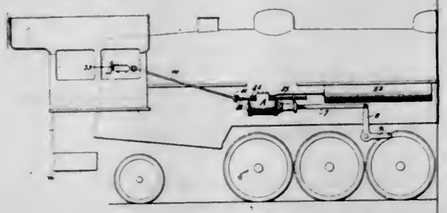
1. An apparatus for forming hollow concrete walls comprising sheet metal members, each having a side portion and an end portion, each of the members having inturned flanges adapted to embrace a portion of a cooperating member and causing the two members to telescope on one another, to permit the assembled form to be expanded or contracted both laterally and longitudinally, a series of wedges secured to the side portions of certain of the members, and cooperating wedges loosely inserted in the forms and interposed between the first mentioned wedge members and the opposite side of the form, the withdrawal of the sliding wedge members permitting the collapse of the form laterally.

1,500,684. BUCKLE FOR COTTON BALES. HENRY NATHANIEL PATRICK, Mineola, Tex. Filed Aug. 21, 1923. Serial No. 658,558. 1 Claim. (Cl. 24—23.)



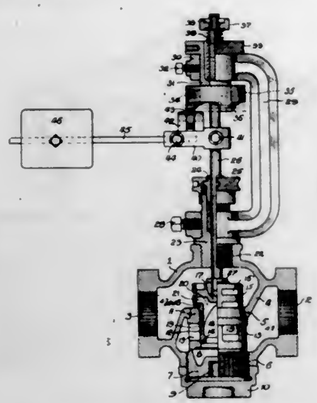
A bundle tie formed from a single piece of metal substantially rectangular shaped, recesses extending inwardly adjacent the ends of the plate so as to form arms in parallel relation to each other at the ends of the plate, a centrally disposed aperture in the plate and in parallel relation to recesses adjacent the ends of the plate and having a passage of communication with one of said recesses thereby forming a bight engaging arm and bight engaging lugs spaced from each other and in parallel relation to the arms at the ends of the plate, one end of said centrally disposed aperture being V-shaped, thereby forming means for guiding the bights into alinement and maintaining said bights in alignment.

1,500,685. POWER REVERSE GEAR. MONTAGUE H. ROBERTS, Englewood, N. J., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed February 26, 1921. Serial No. 448,044. 5 Claims. (Cl. 121—41.)



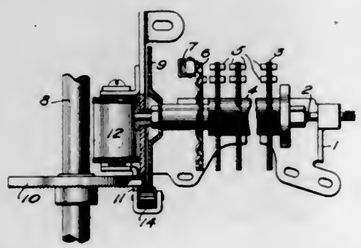
1. In a power reverse gear, the combination of a cylinder, a piston, a controlling valve, a shaft operatively associated with the valve, a nut movable with the piston, said shaft having threaded engagement with the nut, and stop means on the shaft for limiting the movement of the shaft and through it the movement of the piston.

1,500,686. VALVE. JOSEPH M. SULLIVAN, Detroit, Mich. Filed Feb. 21, 1921. Serial No. 446,832. 10 Claims. (Cl. 37—161.)



9. A feed water valve for boilers adapted to be operated by a thermostat and comprising a normally seated valve, a valve rod, a spring for unseating said valve, a cam member, and a weighted arm attached to said rod, and cooperating with said cam member in maintaining said valve closed and adapted to be moved by the thermostat to permit said spring to unseat said valve, said arm when moved imparting rotary movement to the rod and valve.

1,500,687. POWER-TRANSMITTING MECHANISM. HERBERT B. TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,588. 3 Claims. (Cl. 74—7.)

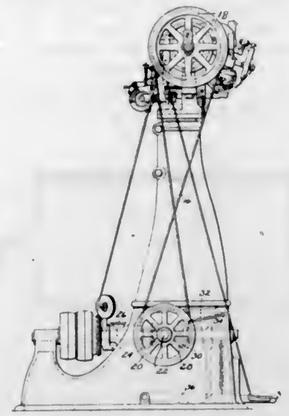


1. In combination, a pair of rotatable shafts having their axes angularly disposed, a crown gear carried by one of said shafts and rotatable therewith, a spur gear carried by the other of said shafts and rotatable therewith, a pinion jointly engageable with said crown gear and said spur gear, said pinion being normally engaged with but one of said gear members, and an electromagnet for moving said pinion into engagement with the other of said gear members.

1,500,688. INSEAM SEWING MACHINE. LAURENCE E. TOPHAM, Swampscott, Mass., assignor by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 27, 1916. Serial No. 133,614. 10 Claims. (Cl. 112—35.)

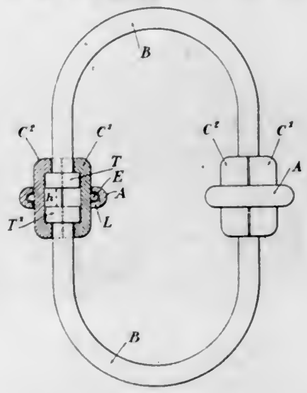
1. A sewing machine having, in combination, a hook needle, a looper for laying a loop of thread on the needle,

actuating mechanism for the needle, and mechanism actuated from the needle actuating mechanism for modi-



fying the motion transmitted to the needle by its actuating mechanism during the last stitch cycle to cause the needle to miss the loop.

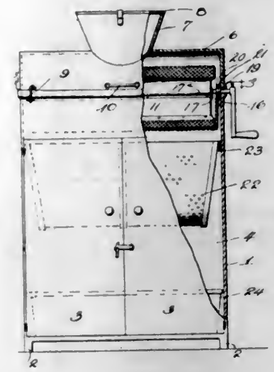
1,500,689. FASTENING FOR ELECTRIC INSULATOR. MAURICE TRÈVE, Paris, France. Filed Apr. 18, 1922. Serial No. 554,432. 1 Claim. (Cl. 287—113.)



A detachable fastening device for suspensions of electric insulators comprising two coaxial hanging members provided with a head at their corresponding ends, two semicylindrical half-shells forming together a recess in which the heads of the supporting members are retained, the heads being able to slide axially in said recess, a stud on the outer surface of each half-shell and a ring adapted to surround the two half-shells and having along its whole inner periphery an annular groove of constant cross section for receiving said stud, the ring having in one of its inner edges only one notch through which each of the said studs is adapted to pass successively when mounting the fastening device.

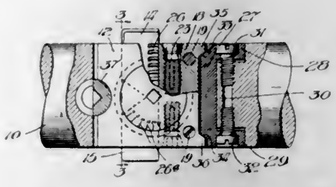
1,500,690. CATCHUP-MAKING MACHINE. MARK A. VILLIAMO, New Castle, Pa. Filed Nov. 15, 1923. Serial No. 674,867. 2 Claims. (Cl. 146—174.)

2. A catchup making machine comprising a casing, a hinged cover carried by the upper end of said casing, a hopper carried by said cover, a cover for said hopper, a screen detachably supported within the casing, a crushing member rotatably mounted between the screen and cover, a sieve disposed below the screen, a handle



member carried by the rotatable crushing member, a receptacle disposed within the casing below the sieve, said sieve and receptacle being removable from the casing through the side thereof.

1,500,691. BORING BAR AND THE LIKE. ALAN E. VOSBURG and ROBERT B. WHITNEY, Detroit, Mich., assignors to Arthur V. Hannifin, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,622. 7 Claims. (Cl. 77—56.)

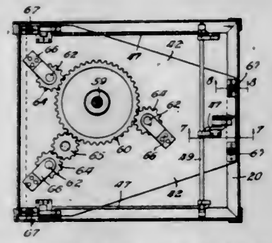


1. In a boring bar the combination of a bar having a transverse slot, an abutment block seated in one end of said slot and provided with two points of abutment separated from each other transversely of the bar, means for adjusting and securing the abutment block transveresely of the bar, a tool block seated within the transverse slot aforesaid and having two supporting points adapted to engage the supporting points of the abutment block, a pair of cutting tools within the tool block and projecting therefrom, means for adjusting the amount of projection of said tools with respect to the tool block, means for securing the tools within the tool block, there being a perforation extending transversely of the bar at right angles to the slot aforesaid, a wedge pin extending through said perforation and having a wedging shoulder adapted to engage the front end of the tool block, means for compelling said shoulder to wedge against the tool block to thereby establish a third point of support for the tool block, and there being a mutilation notch in the pin for the purpose specified, substantially as described.

1,500,692. SCRUBBING MACHINE. GEORGE H. WAGONER, Chicago, Ill., assignor of one-half to Mortimer H. Swafford, Chicago, Ill. Filed May 11, 1921. Serial No. 468,629. 13 Claims. (Cl. 15—8.)

7. A scrubbing machine comprising a frame, a group of rotary brushes mounted in the lower portion of said

frame, squeegees disposed on opposite sides of said group, an elongated suction nozzle connecting the rear ends of



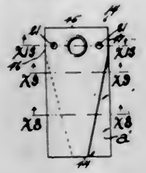
said squeegees in rear of said brushes, and means for producing a suction in said nozzle.

1,500,693. PISTON-RING JOINT. ROBERT BINGHAM WASSON, Cranford, N. J. Filed May 23, 1923. Serial No. 640,887. 4 Claims. (Cl. 74—109.)



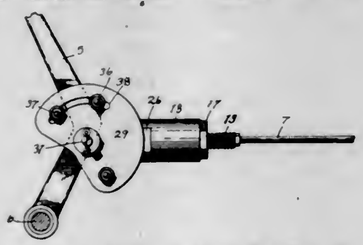
1. A split piston ring constructed to exert radial outward pressure, the ends of the ring provided with recesses, in combination with an expandible stopper, having portions within said recesses, the expansion of the stopper sealing the gap of the ring.

1,500,694. VARIABLE-FLUID-SUPPLYING DEVICE. AUSTIN C. WHIDDEN, Los Angeles, Calif. Filed Sept. 24, 1923. Serial No. 664,485. 13 Claims. (Cl. 277—18.)



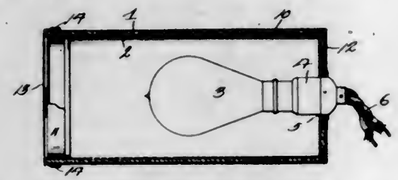
1. The fluid controlling appliance set forth comprising valves adapted to discharge through a single outlet; a reversely thickened wedging block having an intermediate thin portion interposed between and connected to operate said valves; and a lever for actuating said block to open and close said valves.

1,500,695. AUTOMATIC BRAKE-ROD TAKE-UP. RAYMOND T. WHIPPLE, San Francisco, Calif. Filed Dec. 4, 1922. Serial No. 604,884. 3 Claims. (Cl. 188—196.)



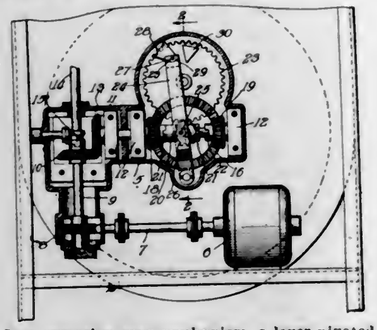
3. In a device of the character described, the combination of a pedal adapted to be oscillated, a brake rod extending in a substantially horizontal plane from said pedal, a take up sleeve threadedly engaged on said brake rod, a gear loosely mounted on said take up sleeve, a spring clutch on said sleeve and having a bent end engaging said gear, a plate pivotally mounted on said brake pedal at a point remote from the pivotal point of said brake pedal, teeth formed on the face of said plate and adapted to engage said gear, movable stops secured to said plates for the purpose of limiting the amount of movement of said plates with respect to said pedal, substantially as and for the purpose specified.

1,500,696. FOOT WARMER. HARRY F. WHITE, Denver, Colo. Filed Nov. 9, 1922. Serial No. 599,853. 1 Claim. (Cl. 219—45.)



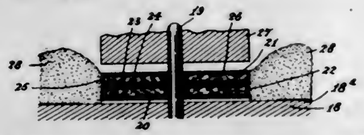
A foot-warmer, said warmer comprising a cylindrical metallic casing, a heating element disposed in said metallic casing, an asbestos heat insulating covering surrounding the metallic casing and of greater length than the metallic casing, a removable cover carried by one end of the metallic casing, a handle member carried by the removable cover, a fabric casing covering the heat insulating material, and a removable fabric cover carried by one end of the fabric casing and registering with the first mentioned removable cover and housing the handle member.

1,500,697. REVERSING GEARING. FRANK V. WIDGER, Chicago, Ill. Filed Jan. 30, 1922, Serial No. 532,558. Renewed Dec. 10, 1923. 4 Claims. (Cl. 74—50.)



1. In a reversing gear mechanism, a lever pivoted at its lower end and disposed uprightly, a double throw clutch operated by the lever limiting the movement thereof in both directions from its vertical position, a weight pivoted at the upper end of the lever, and rotatable means for directly engaging and throwing the weight at one side of the lever or the other to cause its clutch reversing movement.

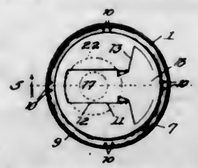
1,500,698. PHONOGRAPH RECORD AND PROCESS OF MAKING THE SAME. ALFRED WIEHL, Brooklyn, N. Y. Filed Apr. 10, 1920. Serial No. 372,770. 10 Claims. (Cl. 18—48.4.)



1. A phonograph record comprising the usual disc adapted to accommodate on both of the opposite parallel sides reproduction convolutions extending from the outer portion to a point approaching the centre, a central section

consisting of a plurality of layers of different materials so as to make said central section specifically lighter than said outer portion, the parts of said central section being integrally consolidated with said outer portion.

1,500,699. SEPARABLE FASTENER. ANDREW S. WITWER, Joliet, Ill. Filed Jan. 19, 1924. Serial No. 687,206. 4 Claims. (Cl. 24—224.)

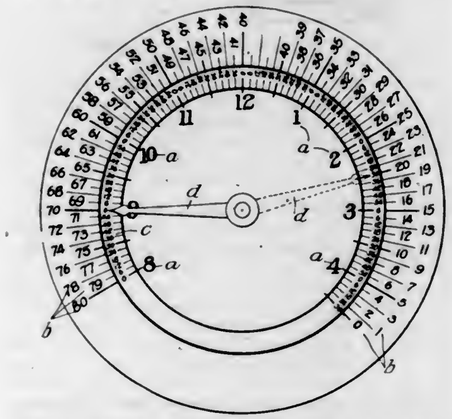


2. A device of the character set forth, comprising a single plate containing a stud-receiving opening therethrough enlarged at one end with stop-forming portions at said opening provided with camming surfaces in the rear of the stop-forming surfaces of said portions, and a spring tongue located adjacent said opening and extending throughout its length substantially within the plane of said plate, said tongue throughout its length being substantially straight, whereby the free end of the spring is required to be moved in a direction away from said stop-forming portions in the movement of the stud against said camming surfaces to interlocked position relative to the plate, and a substantially thin construction of device may be provided.

1,500,700. METHOD OF VULCANIZING. ERNEST BLAKER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 6, 1922. Serial No. 573,237. 9 Claims. (Cl. 18—53.)

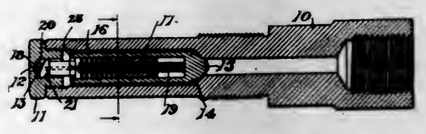
1. The method of vulcanizing a hollow article which comprises enclosing the article in a mold, mixing with the air in said article an innocuous fluid under pressure while preventing escape of said air and said fluid, such escape being prevented for such time as to produce a substantially complete diffusion of said air and fluid, then permitting a part of the mixture to escape to dispose of a part of said air, shutting off said escape, and vulcanizing said article while it is thus rid of air.

1,500,701. TIME-CLOCK DIAL. HERMAN B. BLANKÉ, Chicago, Ill. Filed May 23, 1923. Serial No. 640,816. 3 Claims. (Cl. 58—127.)



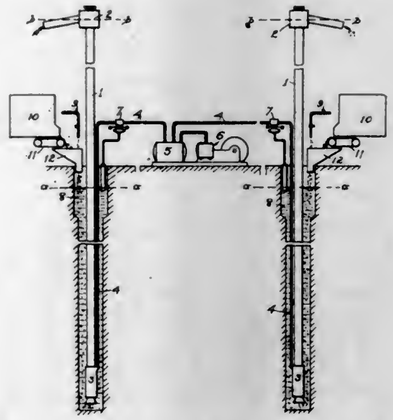
1. A non-rotating clock dial for use of timekeepers where a working day is less than twelve hours, said dial having an hour scale representing the usual hourly divisions and having a second scale consisting of decimal divisions of an hour and numerals equal to the total of such divisions in a normal working day located opposite to the beginning point of a normal working day and decreasing by decimal parts of an hour so that the zero point will come opposite to the end of a normal working day, the second scale having an interval for recess in which said numerals are omitted so that the first numeral after the recess period is the same as the last one before such recess period.

1,500,702. OIL INJECTOR. PETER EIDUCK, San Francisco, Calif. Filed July 2, 1923. Serial No. 649,049. 5 Claims. (Cl. 299—120.)



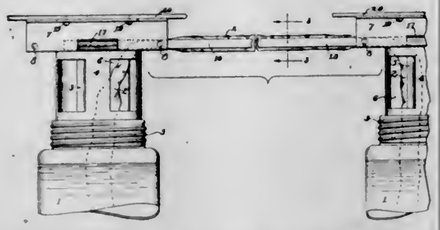
1. A fuel injector comprising a casing having a fuel inlet at one end and a small opening at the opposite end for the discharge of fuel, telescopic sleeves in said casing, a valve on the outer end of each sleeve, a seat for one of said valves adjacent the discharge orifice, a seat for the other valve within the casing, and spring means within said sleeves for pressing them apart to cause the valves to be seated, the valve adjacent the discharge orifice forming a regulating valve and the other valve forming a check valve.

1,500,703. CONTROL SYSTEM FOR AIR LIFTS. WILLIAM H. ELBELT and CHARLES H. BROOKS, Hurley, N. Mex. Filed May 15, 1922. Serial No. 561,079. 4 Claims. (Cl. 103—16.)



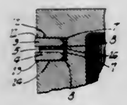
1. In combination with a well having a pit, a well tube extending therein, and provided with air lift means and a compressed air supply line therefor, a valve in said compressed air line adapted to gradually vary the supply of air from said line to the air lift means, a submergence chamber opening at its lower end into the well pit in such manner that air is entrapped and compressed in said chamber by liquid in the well pit, and pneumatic operating means for said valve connected to said chamber and operated by changes of pressure therein to gradually increase the flow of compressed air through said valve as the submergence of the well increases and to gradually decrease the flow of compressed air through said valve as the submergence of the well decreases, so as to tend to maintain approximately constant submergence.

1,500,704. CIGAR MOISTENER. ARTHUR C. HERTHEL, St. Louis, Mo. Filed Sept. 14, 1920. Serial No. 410,295. 16 Claims. (Cl. 131—30.)



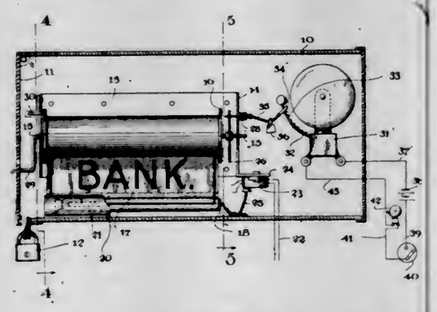
16. A humidifier of the class described, comprising a wick having the intermediate portion thereof extended in a horizontal plane and the opposite end portions thereof depending in angular relation with respect thereto, means for sustaining the intermediate portion of said wick in its extended position, and means for supplying moisture to the opposite ends of said wick.

1,500,705. PISTON RING. WILLIAM R. HESLEWOOD and HARRY F. MOCINE, Oakland, Calif., assignors to M. & H. Piston Ring Co., Oakland, Calif., a Corporation of Nevada. Filed Feb. 20, 1922. Serial No. 537,690. 12 Claims. (Cl. 74—109.)



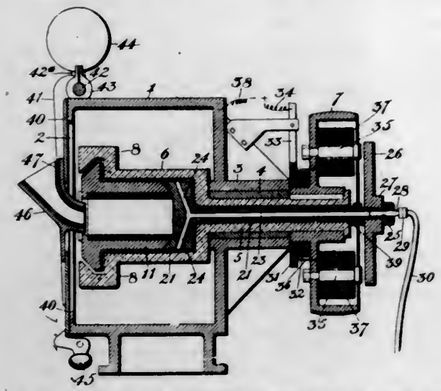
11. A spring for a packing ring, comprising an annular body provided with corrugations and with angular packing ring seats on the high points of these corrugations.

1,500,706. SIGNAL. BYRD B. ISOM, near Acton, Tenn. Filed Apr. 5, 1922. Serial No. 549,804. 3 Claims. (Cl. 177—329.)



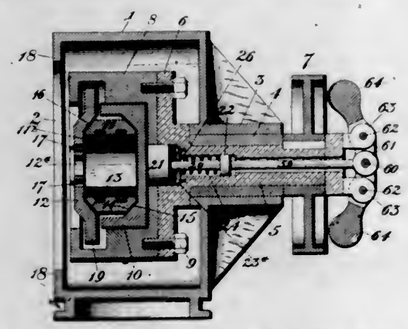
1. In a device of the kind described, a roller, a curtain wound on said roller, a weight at the lower end of said curtain tending to unwind the same, journals on the ends of said roller, arms supporting said journals, a disc fixed on one of said journals and provided with a series of openings adjacent its periphery, a pin projecting through one of the arms and engaging in one of the openings to hold the roller from rotation, and electrically operated means for withdrawing said pin including an electrically operated audible signal and a mechanical connection between said audible signal and the pin.

1,500,707. CENTRIFUGAL CASTING MACHINE. WALTER T. JANNEY, Philadelphia, Pa. Filed July 5, 1922. Serial No. 573,019. 9 Claims. (Cl. 22—65.)



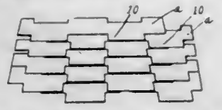
5. In a centrifugal casting machine, a revoluble basket; a mold carried thereby and movable relatively thereto; a ram for pressing the mold into operative engagement with the basket; an armature attached to the ram; and electromagnets cooperating therewith to press the ram toward the mold.

1,500,708. CENTRIFUGAL CASTING MACHINE. WALTER T. JANNEY, Philadelphia, Pa. Filed Aug. 7, 1922. Serial No. 580,162. 15 Claims. (Cl. 22—65.)



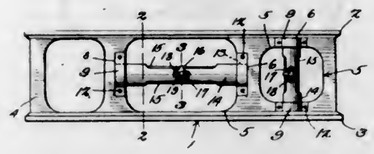
1. The combination with a mold of a cup-shaped guide for loosely receiving the same and forming a closure for one end thereof; a rigidly held lid for closing the other end of the mold, the cup being spaced from the lid and movable relatively thereto; and means for yieldingly pressing the cup and mold and lid into engagement with each other.

1,500,709. SHINGLE. CHARLES L. KELLER, Wyoming, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Oct. 6, 1919. Serial No. 328,627. 2 Claims. (Cl. 108—7.)



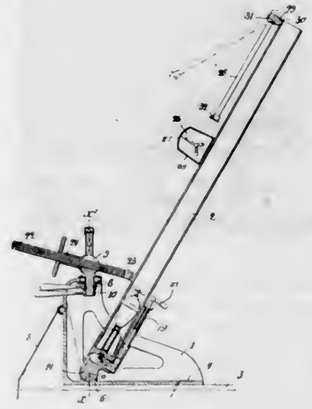
1. A roofing formed from shingle strips comprising body portions with the side edges as distinguished from the ends cut so as to form alternate extensions, and interlying spaces of a character to leave exposed a panel-like portion of roofing beneath, said extensions and spaces being formed so that the extensions are of different width from the spaces, and the one side edge of the strip having projections opposite the spaces on the other side edge and of equal size thereto, and said strips laid in overlapping courses so that the extensions are in staggered relation with each other.

1,500,710. LEVEL. JAMES M. KELLY, Portland, Oreg. Filed Nov. 5, 1921. Serial No. 513,127. 1 Claim. (Cl. 33—211.)



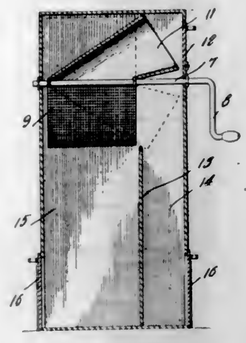
A level comprising an I-shaped body portion having an opening through the central part of its web, there being shouldered recesses formed in said web at opposite ends of said opening, respectively, a tube having a sight opening intermediate its ends, a spirit glass positioned in said tube to be viewed through the sight opening, blocks slidingly fitting the ends of the tube and having reduced tongues shaped to seat in the shouldered recesses respectively whereby said tube and blocks may be laterally withdrawn from said recesses, and fastening elements rigidly securing said blocks to said body portion.

1,500,711. INFANTRY CANNON. THÉODORE LAFITTE, Paris, France. Filed Jan. 8, 1923. Serial No. 611,517. 5 Claims. (Cl. 89—1.)



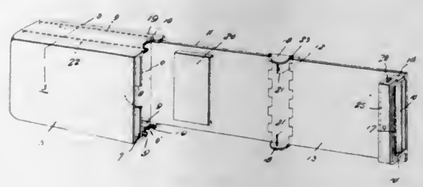
1. A cannon comprising a carriage, a cannon tube movable in all directions upon this carriage about its lower end in the form of a universal joint and an adjustable connecting member connecting the cannon with the upper part of the carriage, a pivot through the medium of which the connecting member is connected with the carriage and adjustable means for locating the axis of this pivot and maintaining the same according to a vertical line which is exactly above the centre of the lower universal joint with the purpose of allowing the cannon to revolve about a vertical axis whatever the inclination of the base of the carriage may be.

1,500,712. ASH SIFTER. JOSEPH J. MCCARTHY, Cincinnati, Ohio. Filed Apr. 23, 1924. Serial No. 708,464. 3 Claims. (Cl. 83—60.)



1. A sieve including a housing, a partition dividing the housing into compartments, a shaft extending through the upper portion of the housing, a sieving element supported by the shaft, a chute housing in the upper portion of the sieving element, said chute adapted to direct material to the sieving element when the sieving element is in its active position, and said chute adapted to receive material from the sieving element and deliver the material to one of the compartments when the sieving element is in its inactive position.

1,500,713. POCKET CHECK AND PASS BOOK CARRIER. LLOYD N. MOWRY and EDWARD LOVIG, St. Petersburg, Fla. Filed July 7, 1923. Serial No. 650,065. 3 Claims. (Cl. 281—19.)

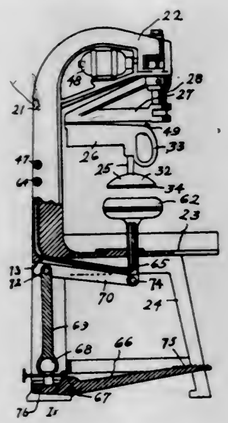


3. In a carrier for pass and check books, a receptacle, a plate member mounted for sliding movement within said receptacle, another plate member separated from and hingedly secured to said first mentioned plate member and also mounted for free sliding movement within the receptacle when folded to a position parallel with said first mentioned plate member, and means carried by said plate members for supporting a check book, the hinged connection between said plate members affording a closure for the open end of the receptacle when said plate members are folded and extended within the receptacle.

1,500,714. GARMENT PRESS. YOBIE NAKANISHI, Los Angeles, Calif. Filed June 19, 1922. Serial No. 569,398. 2 Claims. (Cl. 68—9.)

1. In a garment press, the combination with a standard and a table supported thereby, and pressing members carried thereby and movable relative to one another, and one of said pressing members being disposed beneath the other, of a standard for the lowermost pressing member arranged to slide relatively through the table, a lever pivotally connected to the pressing member standard, a foot lever pivotally mounted in the main standard, a fulcrum block adjustably secured to the foot

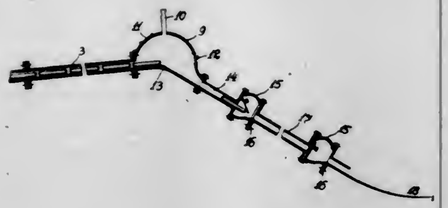
lever and on the relatively shorter arm thereof, a link lever having one extremity pivotally connected to the first-named lever and having the opposite extremity in



engagement with the fulcrum block, and means for adjusting the fulcrum block to and from the fulcrum point of the foot lever.

1,500,715. APPARATUS FOR THE TREATMENT OF SOLID SUBSTANCES IN A GASEOUS ATMOSPHERE. ALADÁR PERCZEL, Ujpest, Hungary. Filed Aug. 2, 1923. Serial No. 655,383. 10 Claims. (Cl. 23—3.)

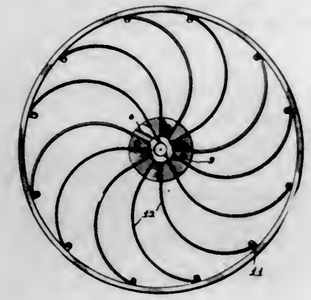




1. In an apparatus for the treatment of solid substances in a gaseous atmosphere, the combination of a tubular vessel, a conveying device arranged in front of the one end of said tubular vessel and in the vertical plane passing through the axis of said tubular vessel, and means on that conveying device exerting a pressure in a direction parallel to the axis and towards the other end of the said tubular vessel.

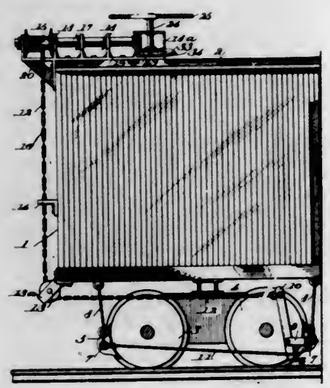
1,500,716. AUTO WHEEL. WILLIAM POPENDICK, Decatur, Mich. Filed Oct. 11, 1922. Serial No. 593,743. 1 Claim. (Cl. 301—84.)

In a hub for wheels having metallic spokes, hub sections, each of said hub sections including spaced fingers formed with inclined side walls, said sections adapted to be moved into engagement with each other and the fingers of one section positioned between the fingers of the opposed section, said spokes having their inner ends posi-



tioned between the adjacent fingers of the hub to hold the fingers in position, and a tubular member providing a bearing positioned in the hub section.

1,500,717. BRAKE. WILLIAM JOSEPH QUINN, Pottsville, Pa. Filed Aug. 23, 1923. Serial No. 659,012. 1 Claim. (Cl. 74—120.)

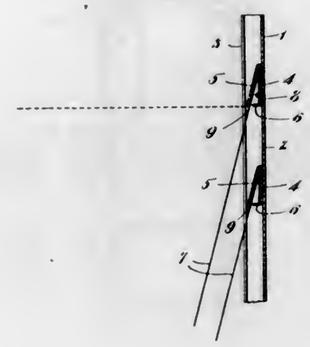


In a braking device for railroad cars, operating means for the brakes and comprising a plate secured to the top of the car and having an end projecting beyond the end of said car, spaced vertical standards formed integrally with the plate, bearings mounted in said standards, a shaft supported by said bearings, a spool rigidly connected with the shaft and located between the standards formed at the projecting end of the plate, a gear mounted on the inner end of said shaft, a vertical shaft mounted for rotation on the inner end of the plate provided with a gear in mesh with the gear on the horizontal shaft, a ratchet wheel connected with the vertical shaft, a pawl engaging the ratchet wheel for locking the vertical shaft against rotation.

1,500,718. INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed Apr. 24, 1920. Serial No. 376,276. 4 Claims. (Cl. 129—16.)

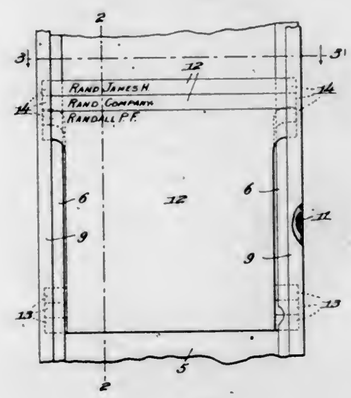
2. An index, including a holder having a depending front lip and a transverse supporting lip, and a card for engagement in the holder having a fold formed therein to

set off a retaining margin for engagement with the supporting margin and having a crease providing a hinge and setting off an intermediate portion, said intermediate



portion being substantially coextensive with the front lip on the holder and the hinge lying below the edge of the lip when in place.

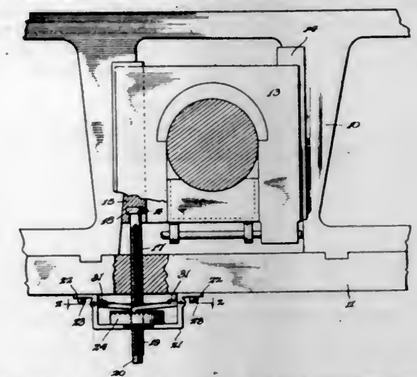
1,500,719. CARD INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed June 11, 1921. Serial No. 476,733. 9 Claims. (Cl. 129—16.)



5. An index frame comprising a back and two parallel inwardly extending flanges at each side, one in front of the other, forming two pairs of opposed channels, the outer flanges being narrower than the inner flanges.

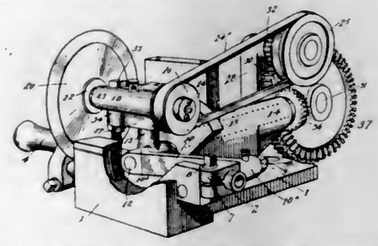
1,500,720. LOCOMOTIVE DRIVING BOX. EDWARD W. RAWDON, Akron, Ohio. Filed Oct. 8, 1923. Serial No. 667,278. 6 Claims. (Cl. 105—81.)

1. The combination with a journal box, a pedestal mounting the box and including a pedestal binder, and means interposed between the box and pedestal and adjustable for taking up forward and rear play of the box, of rotatable adjusting means for said first mentioned means



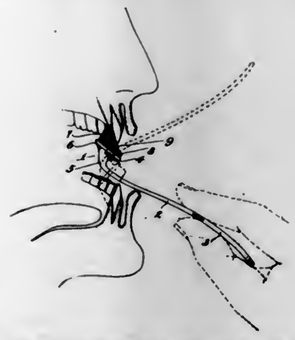
coacting with the binder, and ratchet mechanism carried by the binder for locking said adjusting means against counter rotation.

1,500,721. CUTTER HEAD FOR CIGARETTE MACHINES. RICHARD E. ROSEWARNE, Covington, Ky., assignor of one-half to Edward F. Peters and William Peters, both of Cincinnati, Ohio. Filed Apr. 3, 1922. Serial No. 549,349. 10 Claims. (Cl. 131—37.)



1. In a severing device for severing into sections continuously moving material, a cutting knife, a mounting for such knife, and means to swing the knife in an orbit transverse and in a plane parallel with the line of travel of the material to be severed, with the orbital center of the knife in alignment with the line of travel of the material.

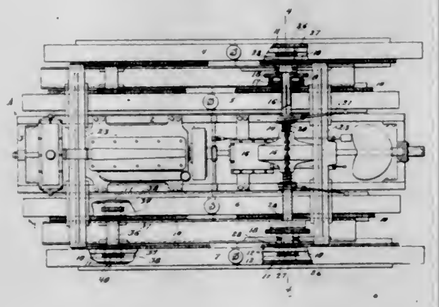
1,500,722. TOOTHBRUSH. RALPH R. ROUSH, Columbus, Ohio. Filed Apr. 29, 1921. Serial No. 465,455. 1 Claim. (Cl. 15—167.)



A tooth brush comprising a handle and a brush head, the brush head having a shank the axis of which projects from the plane of the back thereof substantially

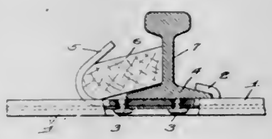
at right angles thereto and a handle bent from the outer extremity of said shank in a broad curve lying in a plane substantially parallel to the plane of the back, and a brush on the front of said head having substantially the whole of its brushing surface inclined to the plane of the face of the brush head and toward the handle.

1,500,723. TRACTOR. ROBERT E. ROY, Santa Rosa, Calif. Filed May 24, 1920. Serial No. 383,679. 9 Claims. (Cl. 180—8.)



1. In a tractor a main frame, a pair of steppers arranged on each side of the frame, a driving shaft extending crosswise of the frame, two pairs of gears on each end of the shaft, one gear of each pair being of larger diameter than the adjacent gear, a pair of rack members on each stepper, one rack engageable with the small gear of each pair, and one engageable with the large gear of each pair, said rack members being mutilated and one being arranged above the other.

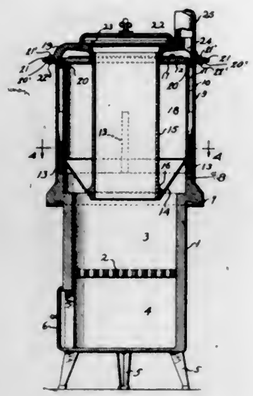
1,500,724. TRAMROAD. LEONARD SARGEANT, Fairmont, W. Va. Filed Oct. 5, 1922. Serial No. 592,614. 7 Claims. (Cl. 238—10.)



2. A tram road comprising a tie I-shaped in cross section, a rail having a base, a plate secured in the channel of the tie and having an end embracing the rail base on one side and a loop on the other side of the rail, and means in the loop for firmly holding the rail in the embrace of the plate.

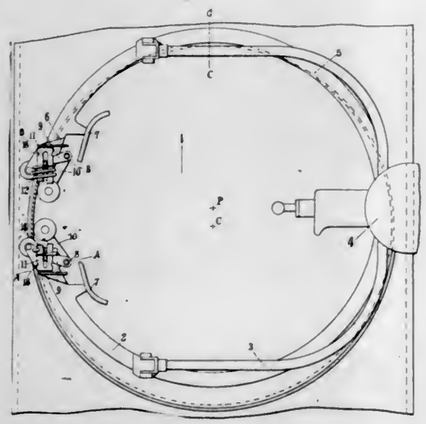
1,500,725. HEATING STOVE. GEORGE G. SCARBOROUGH, Girdletree, Md. Filed Feb. 20, 1924. Serial No. 694,145. 2 Claims. (Cl. 126—73.)

1. In a self-feeding stove, the combination with an outer shell and an inner shell arranged therein and spaced therefrom, said inner shell being provided with an inclined bottom having a central opening, of a fuel magazine arranged within said inner shell and terminating substantially in alinement with the bottom of said inner shell, means for supporting said fuel magazine,



a top having an outer flange to engage said outer shell and an inner flange to receive said fuel magazine, and a cover for said magazine resting on said top.

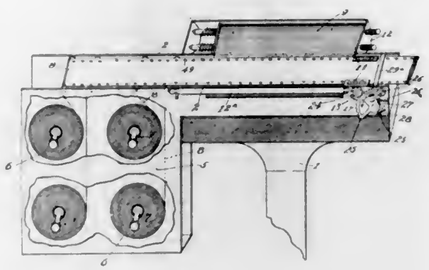
1,500,726. GUN MOUNTING. FREDERICK WILLIAM SCARFF, London, England. Filed Mar. 20, 1923. Serial No. 626,369. 15 Claims. (Cl. 89—40.)



1. In a gun mounting, a ring rotatable in azimuth means for mounting a gun on said ring, means including a cam track for providing a graduated resistance or assistance, to rotation of said ring, said means being operative throughout the whole range of movement of said ring and providing a unidirectional effect tending to counterbalance wind pressure on the gun due to its angular position relative to the direction of movement of the mounting.

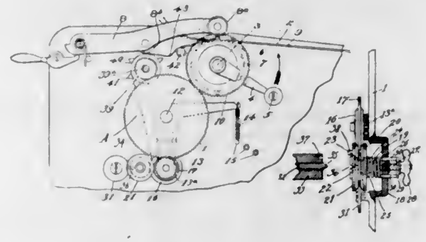
15. In an energy storing and releasing device comprising a compression spring positioned between two movable abutment pins, a guide tube for said spring having slots in which said pins move, and means adapted to be fixed to said tube permitting the passage of said pins but preventing the passage of the ends of said spring.

1,500,727. FLAT-BED MANIFOLDING TYPEWRITER. JOHN Q. SHERMAN and ALBERT W. METZNER, Dayton, Ohio; said Metzner assignor to said Sherman. Filed Sept. 21, 1920. Serial No. 411,783. 28 Claims. (Cl. 197—126.)



1. In a manifolding typewriter, of the type having a flat bed and a movable typewriter mechanism, means for supplying webs of paper having successive holes punched therein, in a loose condition, and a rotary feed pin device adapted to readily and easily engage in said holes to feed the paper in alignment, and a clamping device for the paper adapted to enforce a tight condition thereof on the platen and means for releasing said clamping device during the operation of the feed pin device.

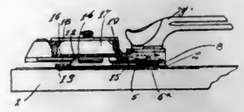
1,500,728. MANIFOLDING REGISTER. JOHN Q. SHERMAN, Dayton, Ohio. Filed Feb. 3, 1921. Serial No. 442,254. 24 Claims. (Cl. 282—16.)



9. In a manifolding register or the like, the combination of a feeding mechanism for feeding paper in a plurality of webs through said register, means for accumulating one of said webs within the machine for a record, after it has been so fed, and means for retarding the movement of said web to maintain a constant looseness of said web between said feeding mechanism and accumulating means, said accumulating mechanism being frictionally driven from the feeding mechanism, and said retarding means comprising a member engaging said record web, and driven from the feeding means and at the same speed therewith.

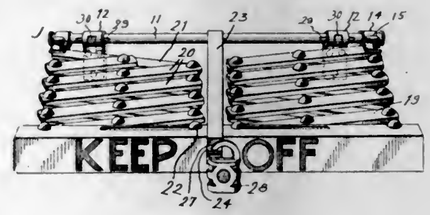
15. A rewind mechanism for a manifolding register or the like, comprising in combination, a direct driven friction disk, a pair of disks spring pressed toward each other, said friction disk being resiliently urged to a position of engagement between said spring pressed disks, a rewind roll and driving connection between the spring pressed disks and the said rewind roll.

1,500,729. MANIFOLDING TYPEWRITER. JOHN Q. SHERMAN and ALBERT W. METZNER, Dayton, Ohio; said Metzner assignor to said Sherman. Filed June 23, 1922. Serial No. 570,388. 8 Claims. (Cl. 197—126.)



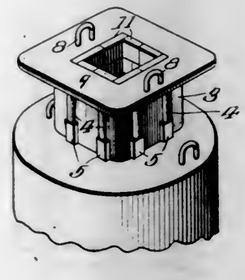
1. In a manifolding machine, the combination of a typewriter having its type bars faced with type in the form of pointed pins having the arrangement of the desired letter or symbol, a well for ink having a port and a pad movable as in the case of the ribbon holder in a typewriter to wipe the ink port of the well and project into interposition between the type face and the webs to be penetrated by the pins.

1,500,730. AUTOMOBILE FENDER. TOKUTA SHIMIZU, Los Angeles, Calif. Filed Nov. 16, 1923. Serial No. 675,160. 7 Claims. (Cl. 293—27.)



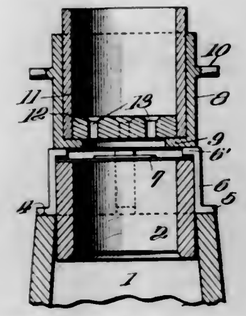
1. An automobile fender having a normal and an extended horizontal operative position, and a depending inoperative position, means for locking the fender in its operative positions, and spring means to hold the fender in its horizontal operative positions.

1,500,731. POURING POT FOR FEEDERS AND INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 8, 1923. Serial No. 679,379. 5 Claims. (Cl. 22—147.)



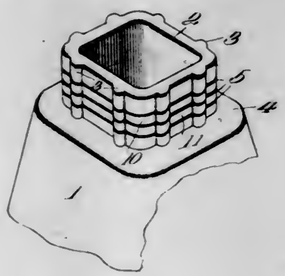
1. A pouring pot comprising a metallic body portion having an annular flange at its lower end to support a refractory lining and pouring plate.

1,500,732. POURING POT USED IN CONNECTION WITH HOT-TOP FEEDERS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,497. 20 Claims. (Cl. 22—209.)



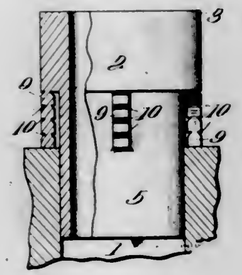
1. A pouring pot support comprising a frame adapted to support the pouring pot, and means carried by the frame for supporting the same on the mold.

1,500,733. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,498. 16 Claims. (Cl. 22—147.)



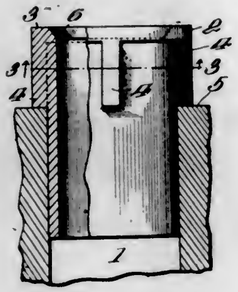
1. A feeder for ingot molds comprising a body portion constructed so that horizontal sections can be broken off.

1,500,734. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,499. 9 Claims. (Cl. 22—147.)



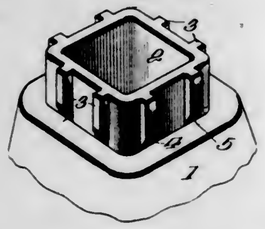
1. A feeder for ingot molds comprising a body portion having a shoulder and lugs carried by said shoulder for supporting the feeder in the mold.

1,500,735. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,500. 11 Claims. (Cl. 22—147.)



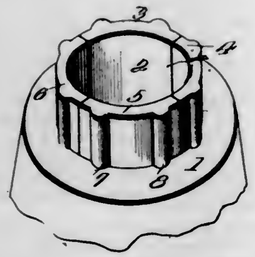
1. A feeder for ingot molds having a bore therethrough beveled at its upper end.

1,500,736. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,501. 6 Claims. (Cl. 22—147.)



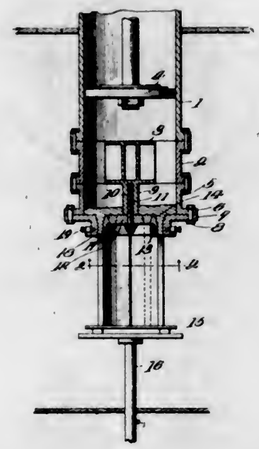
1. A feeder for ingot molds comprising a body portion having longitudinal ribs formed integral therewith and having wedge shaped lower ends.

1,500,737. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,502. 12 Claims. (Cl. 22—147.)



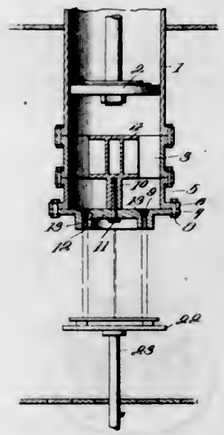
1. A feeder for ingot molds comprising a series of sections, the abutting walls thereof being so arranged as to prevent movement.

1,500,738. METHOD AND APPARATUS FOR MAKING SECTIONAL INGOT-MOLD FEEDERS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,503. 10 Claims. (Cl. 22—1.)



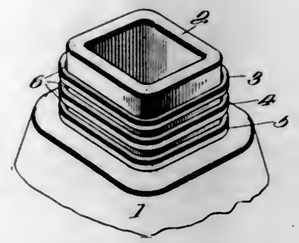
1. A method of forming sectional hot top feeders consisting in forcing the plastic material through a die and severing it into longitudinal sections as it passes from the die.

1,500,739. METHOD AND APPARATUS FOR MAKING INGOT-MOLD FEEDERS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,504. 10 Claims. (Cl. 22—1.)



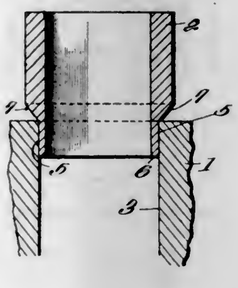
1. A method of forming sectional ingot mold feeders comprising a die and means for forcing plastic material through the die forming a section a number of which are adapted to form a complete ingot mold feeder.

1,500,740. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Dec. 29, 1923. Serial No. 683,505. 8 Claims. (Cl. 22—147.)



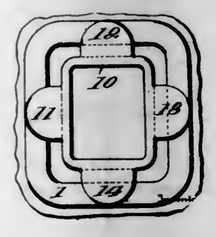
1. A feeder for ingot molds, comprising a body portion of refractory material with a series of fragile ribs extending around the same.

1,500,741. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,734. 10 Claims. (Cl. 22—147.)



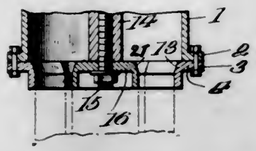
1. A feeder for ingot molds comprising a body portion having its outer periphery reduced towards its lower end.

1,500,742. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,735. 8 Claims. (Cl. 22—147.)



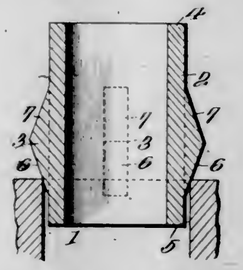
1. A feeder for ingot molds comprising a body portion adapted to enter the mold, supporting and strengthening means, extending a considerable distance beyond the body of the feeder.

1,500,743. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,736. 6 Claims. (Cl. 22—1.)



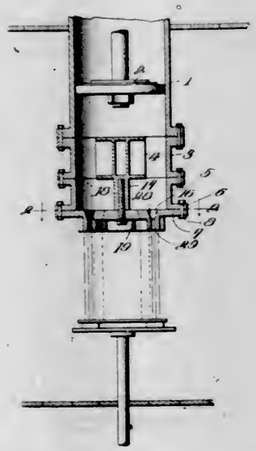
1. A casting for feeders for ingot molds comprising an outer member having outwardly bellied walls and an inner member having outer walls of a different contour.

1,500,744. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,737. 12 Claims. (Cl. 22—147.)



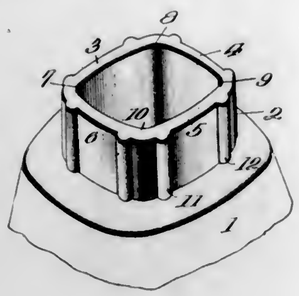
1. A reversible feeder for ingot molds comprising a body portion, ribs carried by the outer periphery of the feeder and having a tapering outer face.

1,500,745. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,739. 5 Claims. (Cl. 22—1.)



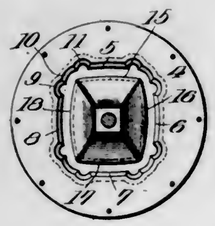
1. A casting for feeders for ingot molds, comprising an outer member having inwardly bellied walls oppositely arranged and an inner member having correspondingly arranged outer walls.

1,500,746. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,740. 3 Claims. (Cl. 22—147.)



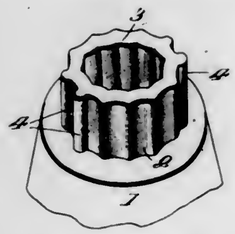
1. A feeder for ingot molds comprising four oppositely arranged, outwardly bellied walls connected by four oppositely arranged walls in a different arc of a circle and two integral ribs carried by the outer face of each of the bellied walls.

1,500,747. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,741. 4 Claims. (Cl. 22—1.)



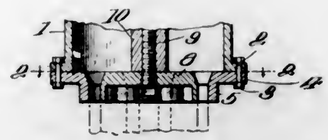
1. A casting for ingot mold feeders comprising an outer member having outwardly bellied walls connected by curved walls arranged in a different arc of a circle, and an inner member having outwardly bellied walls corresponding with those of the outer member.

1,500,748. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,742. 5 Claims. (Cl. 22—147.)



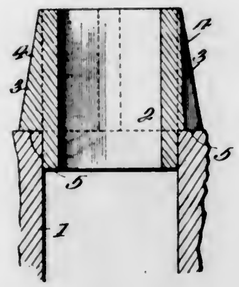
1. A feeder for ingot molds comprising a series of inwardly curved, oppositely arranged walls connected by outwardly curved oppositely arranged walls.

1,500,749. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,743. 7 Claims. (Cl. 22—1.)



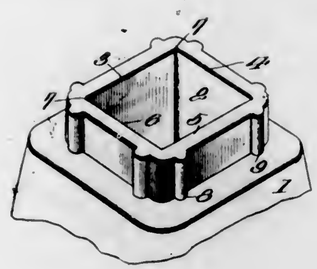
1. A casting for feeders for ingot molds having a series of curved walls.

1,500,750. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,090. 10 Claims. (Cl. 22—147.)



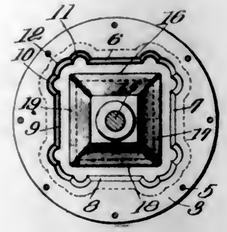
1. A feeder for ingot molds comprising a body portion and tapering ribs carried by the outer face of the body portion.

1,500,751. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,091. 2 Claims. (Cl. 22—147.)



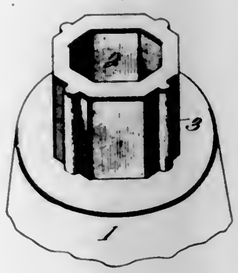
1. A feeder for ingot molds comprising a body portion having four straight oppositely arranged walls connecting four curved walls and a supporting rib carried by each of the four straight walls and each of the four curved walls.

1,500,752. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,092. 7 Claims. (Cl. 22—1.)



1. A casting for feeders for ingot molds, comprising an outer member having four oppositely arranged straight walls connected by curved walls.

1,500,753. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,093. 5 Claims. (Cl. 22—147.)



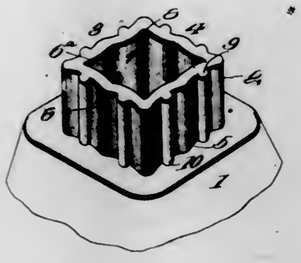
1. A feeder for ingot molds comprising eight walls bellied inwardly and connected by outwardly bellied walls.

1,500,754. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,094. 5 Claims. (Cl. 22—1.)



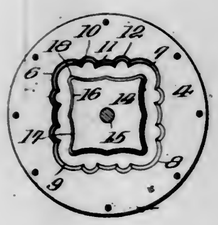
1. A casting for feeders for ingot molds comprising an outer member having eight walls, four opposite walls of which are provided with outwardly curved portions and an inner member having eight walls arranged parallel therewith.

1,500,755. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 13, 1924. Serial No. 693,095. 8 Claims. (Cl. 22—147.)



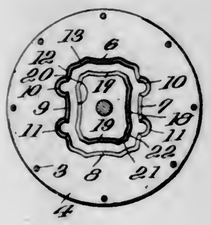
1. A feeder for ingot molds comprising a body portion having a series of walls, each of said walls having two inwardly bellied portions.

1,500,756. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 13, 1924. Serial No. 693,096. 6 Claims. (Cl. 22—1.)



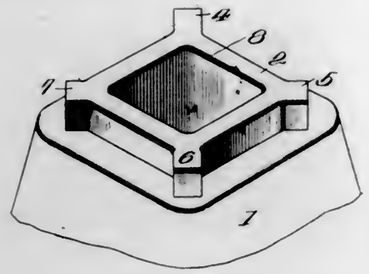
1. A casting for feeders for ingot molds comprising an outer member having four outwardly bellied walls arranged at the corners and connected by shorter outwardly curved walls and an inner member having walls of a different contour.

1,500,757. CASTING FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,098. 5 Claims. (Cl. 22—1.)



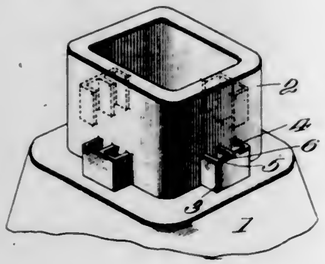
1. A casting for feeders for ingot molds comprising an outer member having inwardly bellied walls and an inner member having correspondingly shaped inwardly bellied walls.

1,500,758. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 15, 1924. Serial No. 693,099. 4 Claims. (Cl. 22—147.)



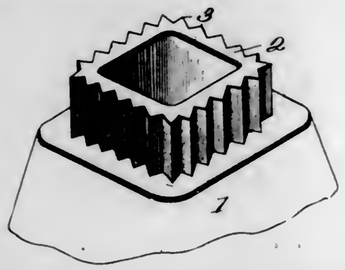
1. A hot top feeder for ingot molds comprising a portion having vertically disposed ribs at the corners and transversely scored.

1,500,759. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Apr. 24, 1924. Serial No. 708,681. 19 Claims. (Cl. 22—147.)



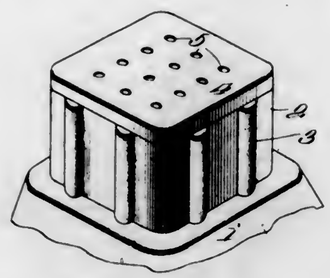
1. A feeder for ingot molds comprising a body portion having hollow supporting means.

1,500,760. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Apr. 24, 1924. Serial No. 708,682. 8 Claims. (Cl. 22—147.)



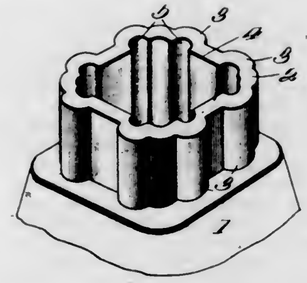
1. A feeder for ingot molds comprising a body portion having a large number of vertically disposed ribs on its outer face.

1,500,761. COVER FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Apr. 24, 1924. Serial No. 708,683. 10 Claims. (Cl. 22—147.)



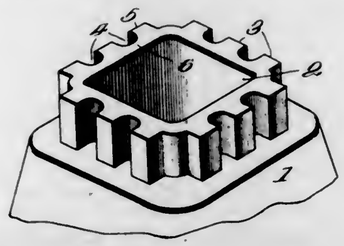
1. A cover for feeders for ingot molds comprising a body portion of refractory material adapted to rest upon the upper end of the mold and having means for preventing lateral movement thereon.

1,500,762. HOT TOP FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Apr. 24, 1924. Serial No. 708,684. 6 Claims. (Cl. 22—147.)



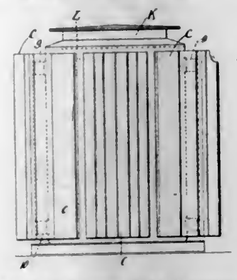
1. A hot top feeder for ingot molds comprising a body portion of refractory material having a series of vertically disposed grooves in its inner face.

1,500,763. HOT TOP FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Apr. 24, 1924. Serial No. 708,685. 6 Claims. (Cl. 22—147.)



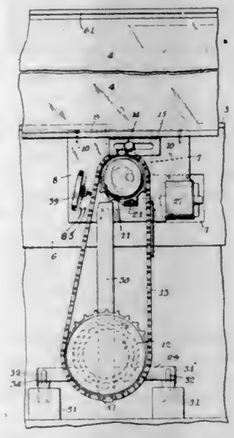
1. A feeder for ingot molds comprising a body portion having a series of rectangular connected ribs extending entirely around the same.

1,500,764. COOLING APPARATUS FOR TRANSFORMERS. LEWIS G. MCCLINTOCK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Sept. 1, 1922. Serial No. 585,596. 5 Claims. (Cl. 257—190.)



1. Cooling apparatus comprising a cooler adapted to be spaced from a tank and connected thereto said cooler comprising two complementary corrugated sheets spaced apart at the top and bottom by spacing rods and welded thereto, and the side edges of one plate being bent over and welded to the other plate.

1,500,765. ELECTRICALLY-OPERATED RAISING AND LOWERING MECHANISM FOR WINDOWS. HARRY EMERY NORWOOD, New York, and FRANKLIN G. NICKERSON, Brooklyn, N. Y., assignors to Perfect Window Regulator Company, New York, N. Y., a Corporation of Maine. Filed June 11, 1918. Serial No. 239,411. 17 Claims. (Cl. 268—4.)

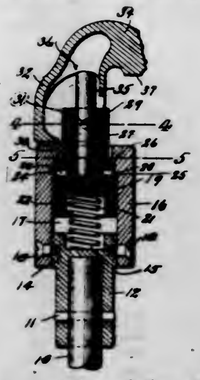


1. In an apparatus for raising and lowering windows, the combination with the window, of a wheel, a belt running on said wheel and directly connected with and supporting the window, a gear connected to and rotating with said wheel, a shaft carrying a pinion meshing with said gear, a gear wheel on said shaft, an electric motor whose shaft is directly geared to said gear wheel for rotating said gear wheel in either direction, and electrical controlling means for causing said motor to rotate in either direction by electric power so as to positively raise and lower the window by power applied by said motor.

1,500,766. BRAKE-HANDLE MECHANISM. JOHN M. READEY, St. Louis, Mo. Filed May 23, 1922. Serial No. 562,998. 6 Claims. (Cl. 74—115.)

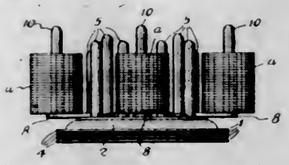
1. A brake handle mechanism comprising a brake staff housing, cooperating clutch members one of which is

movable in axial direction relative to the other member mounted therein, a brake handle secured to said relatively fixed clutch member, means for maintaining said



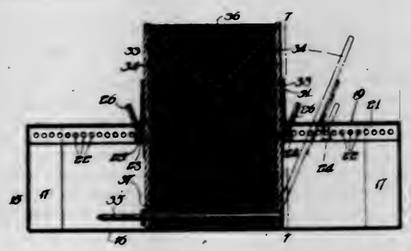
clutch members in operative relation, and means operable by said handle for disengaging said movable member from said relatively fixed member.

1,500,767. DEVICE FOR HOLDING PERFORATED GAME COUNTERS. LOUIS W. RICE, New York, N. Y. Filed Jan. 31, 1924. Serial No. 689,605. 5 Claims. (Cl. 46—55.)



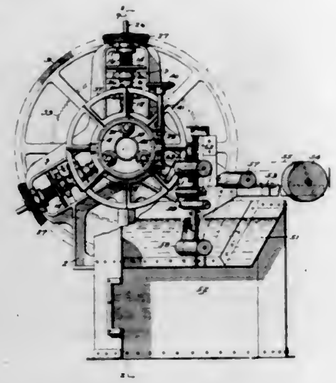
1. A set of stands for perforated game counters, each stand comprising a base and a plurality of posts rising therefrom to receive stacks of counters of different denominations, the posts being alike in all the stands of the set, each base being further provided with holes disposed in a circle with the posts, the number of holes between two posts in each stand being at least as numerous as the remaining number of stands in the set, the construction being such that any post will pass through any hole in nesting the stands.

1,500,768. LEDGER FOR MACHINE POSTING. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Filed June 10, 1922. Serial No. 567,491. 4 Claims. (Cl. 129—1.)



1. In a device of the character stated, a ledger support having side rails, follower blocks having means to interlock with said side rails and having members hinged thereto, and a ledger filing unit having backing members provided with means to receive said hinged members.

1,500,769. PIPE-WRAPPING MACHINE. LELAND S. ROSENER, San Francisco, and FRANK I. DOANE, Berkeley, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed June 27, 1922. Serial No. 571,198. 22 Claims. (Cl. 242—11.)

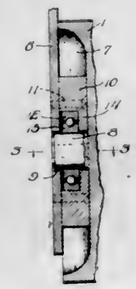


1. In a machine for wrapping cylindrical objects, a feed roller, means for adjusting said feed roller about an axis perpendicular to its axis of rotation, and means independent of said objects for rotating said feed roller.

1,500,770. PROCESS OF RECOVERING LACTOSE OR MILK SUGAR FROM MILK OR WHEY. ROGER WM. RYAN, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Seattle, Wash., a Corporation of Delaware. Filed Feb. 28, 1920. Serial No. 361,957. 2 Claims. (Cl. 127—31.)

1. In the process of recovering lactose from milk or whey which has been first partially clarified by the addition of alum and by then boiling, filtering and cooling the milk or whey; adding lime to the partially clarified milk or whey in sufficient quantity to neutralize acidity, and produce an excess of alkalinity, and then introducing carbon dioxide into the solution in sufficient quantity to neutralize the excess lime and precipitate the same together with the naturally occurring calcium and magnesium as carbonates.

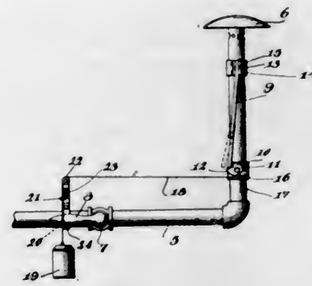
1,500,771. FLOOR-SANDING MACHINE. MAX L. SCHLUETER, Chicago, Ill. Filed Mar. 6, 1922. Serial No. 541,299. 2 Claims. (Cl. 64—36.)



1. In a machine of the character described, a horizontal rotatable cylinder, a supporting frame having at one side a thin flat vertical plate lying close to one end of said cylinder, the cylinder having in said end a central recess, a journal fixed to said cylinder at the axis there-

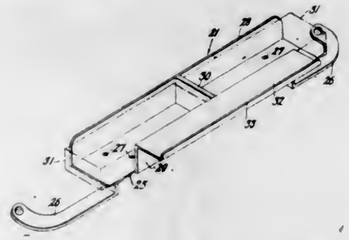
of and extending through said recess, a block fastened to the inner side of said plate and lying in said recess, said block having a pocket therein facing said plate and an opening to permit said journal to project into said pocket, and a ball bearing for said journal arranged in said pocket.

1,500,772. AUTOMATIC CUT-OFF FOR GAS APPLIANCES. GERHARDT F. SCHWARTZ, St. Louis, Mo. Filed Oct. 28, 1922. Serial No. 597,508. 3 Claims. (Cl. 67—116.)



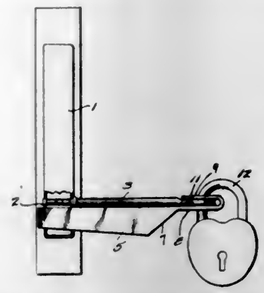
1. In a gas control for automatic appliances, the combination of a pilot burner, a valve for controlling the supply of gas to the burner, valve-closing means, a movable trigger, a flexible connection adapted to detachably engage the trigger and connected to the valve closing means for normally holding the latter in a potential condition, and a thermostat placed relatively to the burner and when heated in the path of movement of the trigger for preventing the movement of the trigger and the valve-closing means, said thermostat adapted to warp out of engagement with the trigger when cold and permit movement of the same.

1,500,773. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 15, 1921. Serial No. 452,433. 10 Claims. (Cl. 45—90.)



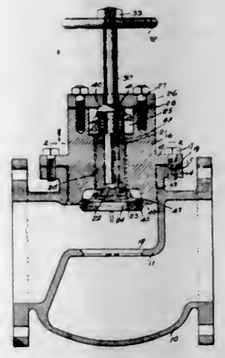
1. An accessory for a machine comprising typewriter mechanism, said accessory including a work-sheet holder having two compartments arranged in substantial alignment from side to side of the machine and separated from each other by a partition located centrally in the holder, and means for supporting the holder in front of and closely adjacent to the keyboard of the machine with the partition also located substantially centrally of the machine, so as to cause the compartments of the holder to be so positioned that a work-sheet can be conveniently withdrawn from either of said compartments for insertion into the machine.

1,500,774. KEY-RETAINING DEVICE. LESLIE M. SNODGRASS, Milwaukee, Wis. Filed July 16, 1923. Serial No. 651,885. 2 Claims. (Cl. 70—65.)



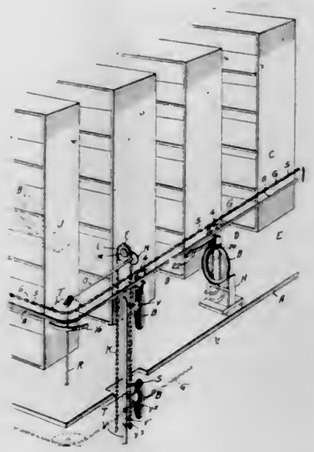
1. A key retaining device of the class described formed from a sheet of material bent upon itself from one end to an intermediate point so as to form a body adapted for insertion in a key hole, and further bent at the intermediate point to provide a slanting portion terminating in an apertured lip substantially co-planar with the upper edge of the body.

1,500,775. VALVE. CARL SONNER, New York, N. Y., assignor to Peter Berdar, Queens, N. Y. Filed Mar. 29, 1921. Serial No. 456,617. 1 Claim. (Cl. 251—47.)



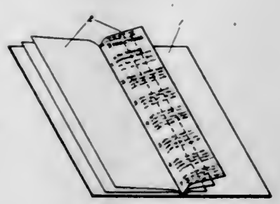
In a valve, a housing having a beveled valve seat, a gland secured in the housing and having recessed ends and a screw threaded opening connecting the recessed ends the recess at the lower end of the gland being provided with a beveled valve seat within the same, a cap secured to the upper end of the gland and provided with an opening having its inner end enlarged to form a seat, an externally threaded sleeve in the threaded opening of the gland and having a polygonal longitudinal opening, the threaded portions of the sleeve and gland being of the same length, a valve loosely mounted on the lower end of the sleeve and having beveled upper and lower seating surfaces adapted to alternately engage the valve seats of the housing and gland, a valve stem mounted in the cap and having a polygonal inner end engaging in the polygonal opening of the stem, an annular shoulder fixedly secured to the valve stem having an outer face adapted to seat on the seat of the cap, a collar plate resting on the bottom of the upper recess of the gland and through which the valve stem passes, a collar loosely mounted on the valve stem below said annular shoulder, roller bearings between the collar and the shoulder, and a coil spring surrounding the valve stem between the collar and collar plate.

1,500,776. CONVEYER SYSTEM. HENRY W. SPOONER, Brooklyn, N. Y. Filed Jan. 10, 1921. Serial No. 436,047. 16 Claims. (Cl. 214—1.)



1. A conveying apparatus for tires including in combination an elevator for lifting the tires in succession to a determined level, a conveyer comprising a set of hooks traveling horizontally at approximately said level, means for discharging the tires from said elevator to said hooks with the tires parallel to the line of travel of the hooks, means for turning said tires to the transverse position, and means for discharging the tires while in such position.

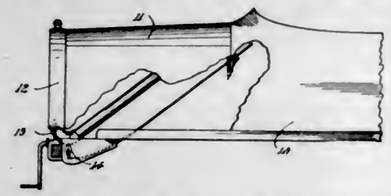
1,500,777. PERMANENT TEST AND PRACTICE FORM. PAUL R. STEVENSON, Columbus, Ohio. Filed Feb. 10, 1922. Serial No. 535,481. 19 Claims. (Cl. 35—12.)



1. In a device of the character described, a permanent form comprising a list of exercises, a permanent form comprising answers to said exercises and a means engageable with either of said forms, said means being adapted to receive the written answers to questions of the first-named form and to register said written answers with the correct answers of the second form.

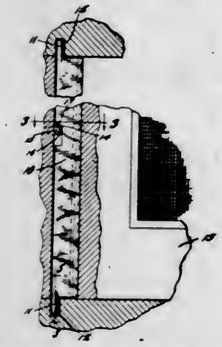
1,500,778. VALVE-OPERATING MEANS. JOHN G. TARWATER, Warrenton, N. C. Filed Aug. 29, 1923. Serial No. 659,999. 2 Claims. (Cl. 137—139.)

1. The combination with an automobile having a radiator provided with a drain cock and having a steering column; of a reach rod having one end connected to the drain cock and extending rearwardly alongside of said steering column, a support on said steering column wherethrough the reach rod passes, an operating



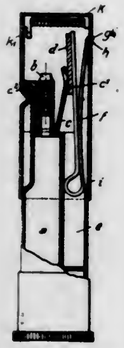
handle on the rear end of said reach rod, and a housing extending beneath said drain cock and having an escape opening therein out of alinement with the drain cock.

1,500,779. FLY-SCREEN SLIDE. WILLIAM ALFRED TAYLOR, Detroit, Mich. Filed June 11, 1923. Serial No. 644,683. 5 Claims. (Cl. 156—14.)



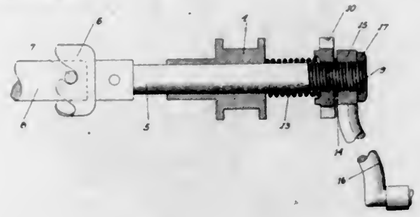
3. In a window screen support and guide, a stationary guide section adapted to be fitted in the groove formed in one stile of a screen frame, a movable guide section including a strip of sheet metal, means for hingedly supporting the sheet metal in a window frame to be received within a groove formed in the opposite stile of the screen frame, an arm formed integral with the hinged section and extending laterally therefrom, and means cooperating with the arm for securing the hinged section against movement.

1,500,780. AUTOMATIC LIGHTER. HERMANN THORENS, Sainte-Croix, Switzerland. Filed Aug. 9, 1922. Serial No. 580,716. 4 Claims. (Cl. 67—7.1.)



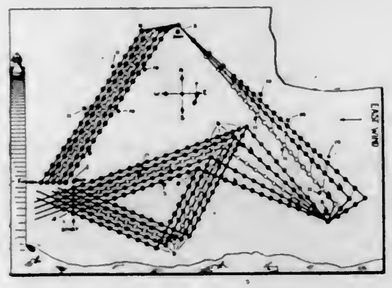
1. An automatic lighter including a body, a burner in the body, a stop member on the body, a covering socket movable relatively to the body, a resiliently controlled and pivoted flap closing the outer end of the socket and opening upon relative movement of the socket and the body and upon contact with the member, and cooperative members carried respectively in the body and the socket for producing a spark for igniting the burner upon the said opening of the flap.

1,500,781. SAFETY DEVICE FOR ENGINE CRANKING. FRANCIS E. TURNER, Crescent City, Calif. Filed Jan. 29, 1923. Serial No. 615,560. 4 Claims. (Cl. 123—185.)



4. A safety cranking device for gas engines having a shaft adapted to be operatively engaged with the crank-shaft of the engine, comprising a handle member threaded onto said shaft, the threads running in the direction of normal rotation of the shaft, a stop member threaded onto the shaft inwardly of the handle member, ratchet teeth cut in the periphery of said stop member, a fixed pawl engaging the same, and a spacer ring having relatively small bearing area fitted on the shaft between the stop and handle members.

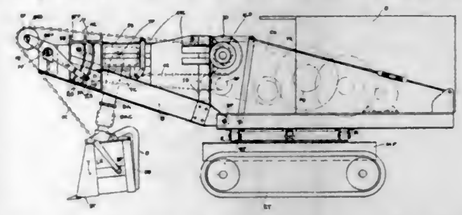
1,500,782. SAILING GAME. HARRY E. VEGIARD, Rochester, N. Y. Filed Feb. 12, 1923. Serial No. 618,708. 2 Claims. (Cl. 46—63.)



1. A sailing game comprising a chart of a triangular sailing course in combination with figures representing boats, said triangular course being pivoted into sections, each of said sections comprising a series of individual sailing courses terminating into a single turning point at the end of each section, a counter for determining successive positions of the boats on the individual sailing courses.

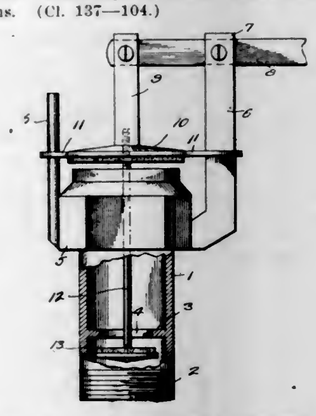
1,500,783. CRANE MECHANISM. CHARLES A. WEBER, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Oct. 15, 1920. Serial No. 417,093. 7 Claims. (Cl. 214—135.)

1. In a mobile crane mechanism, in combination with a boom, a hoist chain, a bucket member, said hoist chain being attached to the said bucket member to lift the same, an extension member for said boom, a pivot on the end of the said boom, said extension member being adapted to rock on the said pivot, a sheave on



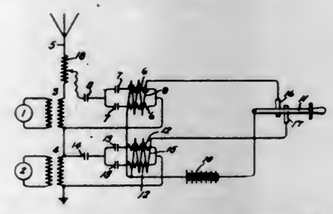
the outer end of the extension member, the other inner end of the extension member being adapted to be adjustably secured to the said boom.

1,500,784. FLOAT VALVE. HUBERT WIGZELL, Marathon, Tex. Filed Sept. 8, 1923. Serial No. 661,704. 2 Claims. (Cl. 137—104.)



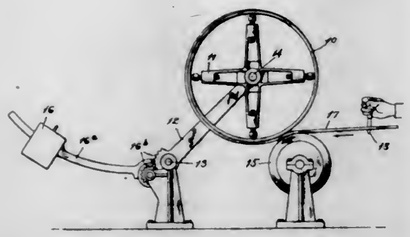
1. A valve of the class described including a casing, a valve proper associated with one end of the casing, said valve proper including apertured wings, guide posts extending from the casing and penetrating the apertured wings, one of said guide posts being provided with a bifurcated end, a flont controlled lever fulcrumed in the bifurcated end of one of said posts, and a link connecting the adjacent end of said lever to said valve proper.

1,500,785. HIGH-FREQUENCY SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 29, 1921. Serial No. 496,229. 8 Claims. (Cl. 178—88.)



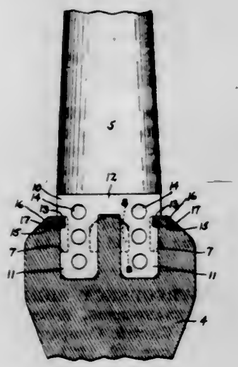
1. The combination in a high frequency signaling system of a transmitting circuit, two sources of high frequency current of different frequencies connected to said circuit, connections for practically suppressing at will the current delivered from either of said sources without disconnecting the source from the circuit and means for changing the tuning of the transmitting circuit at the same time that one of the suppressing connections is made or removed.

1,500,786. METHOD OF MAKING RUBBER TIRES. WALTER H. ALLEN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 8, 1920. Serial No. 379,720. 10 Claims. (Cl. 154—12.)



3. The method of building solid rubber tires which comprises winding upon a metal rim rubber stock in strip form in successive laminations, interrupting the longitudinal continuity of the grain of said strip stock before building it into the tire, without destroying the continuity of the strip as a whole, and vulcanizing said tire on the rim.

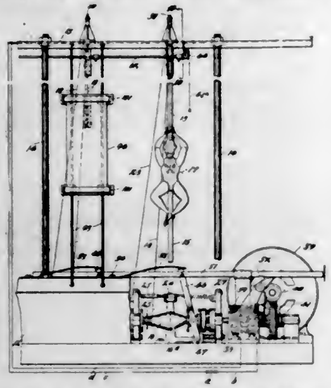
1,500,787. TURBINE ROTOR. ALBERT S. ANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 20, 1922. Serial No. 589,454. 4 Claims. (Cl. 253—77.)



1. A turbine rotor comprising a body having a bucket-receiving groove with overhanging walls, said walls being cut away to form a filling slot, buckets in said groove, a filling block which is located in said slot, said block being provided with transverse notches in its end walls, and axially extending means which are carried by the body and engage said notches to hold the block in place.

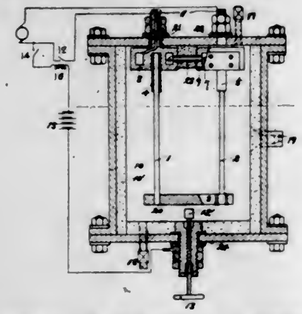
1,500,788. AMUSEMENT APPARATUS. HILMER S. ANDERSON, Belmont, Mass. Filed Apr. 2, 1923. Serial No. 629,377. 11 Claims. (Cl. 46—56.)

1. An amusement apparatus comprising, in combination, a supporting frame an upright guide thereon; a traveler movable on said guide; a conical winding drum having cable-engaging means; mechanism for rotating said drum; a cable normally having a loose non-winding connection with the drum, and connected with the traveler to raise the latter when engaged with the drum by said engaging means; manually operable cable-deflecting mechanism including a flexible pull member and a cable-guiding lever movable by the pull member to posi-



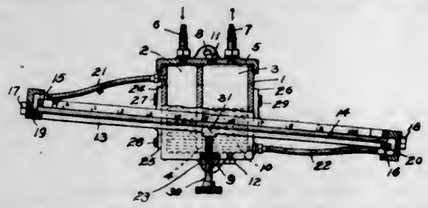
tively engage the cable with the said engaging means; and locking means adapted to lock the traveler in a raised position.

1,500,789. ELECTROMETALLURGICAL PROCESS FOR MANUFACTURE OF DUCTILE BODIES OF HIGH-FUSING METALS AND ALLOYS OF SAME. EIJI AOYAGI, Kyoto, Japan. Filed June 17, 1920. Serial No. 389,694. 12 Claims. (Cl. 148—10.)



1. A process for the manufacture of ductile rods from high-fusing metals, from their compounds or from a mixture of said metals and their compounds, which consists in heating rods made of the said substances hung vertically in a vessel containing neutral or reducing gas to a nearly molten state and then stopping heating as soon as the rods elongate to a proper length.

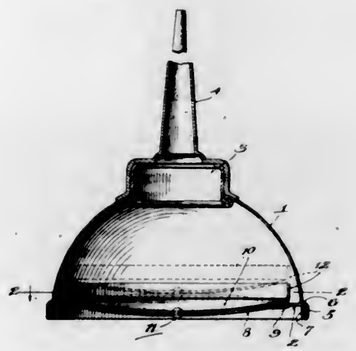
1,500,790. GAUGE. HERMAN BACHARACH, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company, a Corporation of Pennsylvania. Filed Mar. 6, 1922. Serial No. 541,365. 11 Claims. (Cl. 73—31.)



1. In combination in a gauge, a pair of communicating pressure chambers containing a liquid and an inclined gauge glass mounted for relative vertical movement.

means for holding the chambers and glass in their various positions of relative adjustment, a connection from one chamber above the level of the liquid to the upper end of the glass, and a connection from the other chamber below the level of the liquid to the lower end of the glass.

1,500,791. OIL CAN. TOLLEF O. BAKKEN, Bode, Iowa. Filed Sept. 19, 1921. Serial No. 501,796. 1 Claim. (Cl. 221—48.)



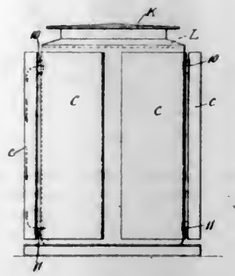
An oil can comprising a body of substantially semi-spheroidal shape having a bottom centrally and normally depressed for being sprung inwardly to expel the lubricant, and a cup-shaped member having a depressed bottom for normally nesting in the depressed bottom of the body and secured thereto at a single point whereby the first bottom may be flexed inwardly uninterrupted by reason of the attachment of the cup-shaped member and independently of any flexing of the second bottom.

1,500,792. COOP. SETH S. BARKER, Bloomfield, Iowa. Filed Nov. 14, 1922. Serial No. 600,905. 2 Claims. (Cl. 220—6.)



1. A coop of the character described, consisting of a bottom having corner and side recesses, a coop having side members formed with depending portions to engage said recesses to lock the coop to the bottom, truss members at the end and intermediate of the coop structure, and a door arranged below said truss members said ends having eyes to engage the outer vertical rims of the sides and when in upright position bearing against the top of the bottom while the depending portions of the sides have a locking engagement with the corner and side recesses of said bottom.

1,500,793. TRANSFORMER-COOLING MEANS. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Sept. 1, 1922. Serial No. 585,615. 6 Claims. (Cl. 257—191.)

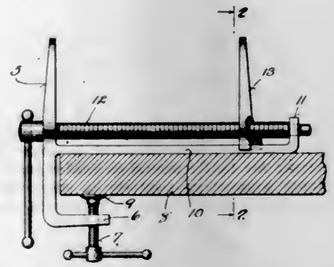


5. An auxiliary cooler for the oil of a transformer tank comprising parallel metal plates welded together along their meeting edges, spacer members welded between said plates at their ends and pipe connections welded to one of said plates for the circulation of oil between said tank and said cooler.

1,500,794. CATALYSTS. MAURICE ERNEST BOUVIER and EMILE BLANC, Lyon, France, assignors to Société Chimique des Usines du Rhône, Paris, France. Filed Sept. 14, 1923. Serial No. 662,757. 10 Claims. (Cl. 23—28.)

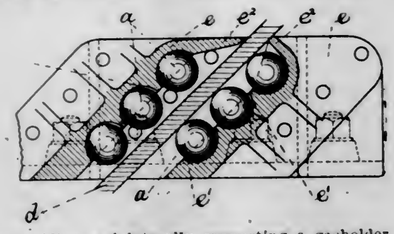
1. A process for the preparation of highly active catalytic agents by the incomplete reduction of an oxide of copper to which is added at any stage of the process an inorganic substance having an alkaline reaction.

1,500,795. CLAMP. JOHN H. BRAMHORST, Milwaukee, Wis. Filed Feb. 28, 1922. Serial No. 539,882. 1 Claim. (Cl. 144—303.)



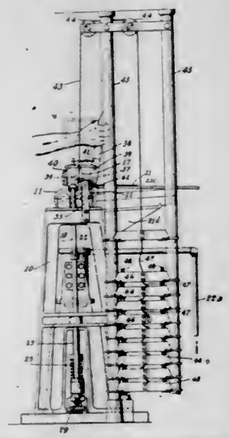
A clamp of the class described comprising a jaw having a bracket formed integral therewith, a screw rotatably mounted in the bracket, a second jaw in threaded connection with the screw, the intermediate portion of said bracket forming a track on which the second jaw is guided, each of said jaws having flat working faces and slanting rear faces to provide an upward taper and having a laterally projecting portion extending beyond a marginal edge of the track, and extension cross heads having sockets for removably mounting the same on said jaws and in binding relation thereto.

1,500,796. BEARING FOR THE GUIDANCE AND LATERAL SUPPORT OF GAS HOLDERS. ROLAND WYNN BROADHEAD, Elland, England. Filed July 11, 1922. Serial No. 574,331. 1 Claim. (Cl. 74—87.)



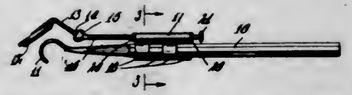
For guiding and laterally supporting a gasholder, and adjacent the guide rails therefor, revoluble bearing pieces without mechanical axles, and carriages mounted about said holder, having pocket-like cavities, each of approximately the same shape internally as the piece contained therein, with one opening only in said cavity, said cavity freely supporting a bearing piece aforesaid, for allowing the latter to spin within the same without being capable of movement of translation, substantially as herein set forth.

1,500,797. HOSE-WRAPPING MACHINE. CHARLES C. CADDEN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 542,030. 9 Claims. (Cl. 154—7.)



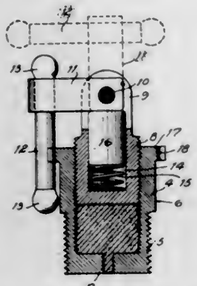
4. A hose-wrapping machine comprising means for supporting and rotating a hose mandrel, a work-contacting tension member for fabric wound on said mandrel, and a set of weights adapted successively to exert their force upon said tension member to increase its tensioning effect.

1,500,798. DENTAL INSTRUMENT AND MIRROR. ALCIBIADES CAMPODONICO, Lima, Peru.—Filed Apr. 12, 1924. Serial No. 706,102. 4 Claims. (Cl. 32—27.)



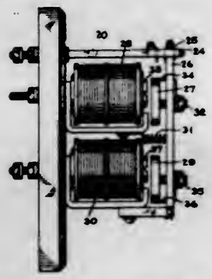
1. A device of the class described comprising a mirror, an arm on which said mirror is fixed, a support for said arm adapted to engage the shank of a dental instrument, and a ball and socket connection between said arm and its support.

1,500,799. LUBRICATOR. THOMAS CARDWELL, Sedalia, Mo. Filed Apr. 3, 1922. Serial No. 549,017. 3 Claims. (Cl. 184—48.)



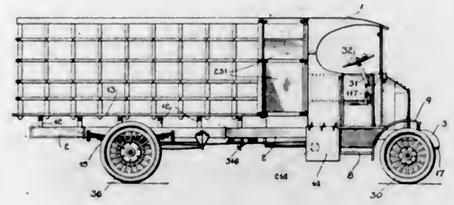
1. A lubricator comprising a cup having a series of circumferentially spaced notches in its exterior surface and an opening for the discharge of lubricant, a feed plug in the upper end of said cup, a lever having one end pivoted on the upper end of said feed plug, an operating handle slidably supported in the free end of said lever and adapted in the lowered position thereof to engage a notch in said cup, and a spring-supported plunger mounted in said plug below the pivoted end of said lever, said end of said lever having flat sides and a flat end, said plunger having a flat upper end adapted to abut flatwise against the flat surfaces of said lever in the upright and lowered positions thereof to yieldably hold the same in said positions.

1,500,800. ELECTROMAGNETIC SWITCH. EUGENE R. CARICHOFF and BENJAMIN W. JONES, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Original application filed Jan. 26, 1920. Serial No. 354,030. Renewed Jan. 6, 1922. Serial No. 527,520. Divided and this application filed Nov. 2, 1920, Serial No. 421,291. Renewed Mar. 22, 1924. 5 Claims. (Cl. 200—98.)



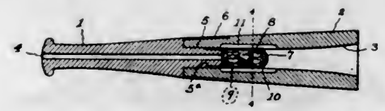
5. The combination in an electric switch of a switch member biased to one position, a "pick-up" electromagnet for controlling the movement of the switch member to another position against its bias and a "drop-out" electromagnet for governing the movement of the switch member to its biased position, each electromagnet having a substantially independent magnetic structure, the "pick-up" winding adapted to be short circuited so as to give the control of the movement of the switch member to the biased position to the "drop-out" electromagnet after an interval of time, an armature for the "pick-up" electromagnet, means for varying the position of the said armature so as to vary the said time interval, an armature for the "drop-out" electromagnet, and means for varying the position of the same so as to vary the value of current in the winding of the "drop-out" electromagnet at which the switch member will be permitted to return to the biased position.

1,500,801. MOTOR VEHICLES. OSCAR F. CARLSON, Chicago, Ill., assignor to Amalgamated Machinery Corp., Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1919. Serial No. 330,036. 11 Claims. (Cl. 180—67.)



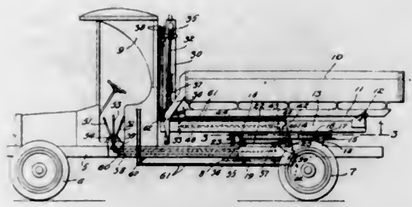
1. In a circulatory system for steam driven vehicles, the combination with the engine boiler and burner of a tank for the fuel supply, a fuel supply line from said fuel tank to the burner, a steam line between the boiler and the engine, an automatic pressure controlled valve in said fuel supply line, and a steam connection for subjecting said valve to the pressure of the steam to regulate the fuel supply to the burner thereby.

1,500,802. CIGARETTE HOLDER. CHARLES A. CHANTILIS, Bellevue, Ohio. Filed Feb. 10, 1922. Serial No. 535,570. 3 Claims. (Cl. 131—10.)



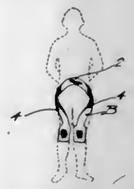
3. In a device of the character described, the combination of a mouth piece, a filter cap mounted thereon and provided with lateral openings, a filtering medium within the filter cap, and a tubular stem carried by the mouth piece and having interior walls adapted to close the lateral openings of the filter cap, said tubular stem being provided with an interior channel adapted to be brought into and out of registry with the lateral openings of the cap by a relative rotation of the tubular stem and cap.

1,500,803. DUMPING VEHICLE. HARDES M. COLBYSON, Minneapolis, and FRANK J. MUMM, St. Paul, Minn. Filed Feb. 17, 1922. Serial No. 537,187. 3 Claims. (Cl. 298—9.)



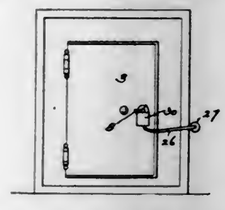
1. A dumping truck comprising a chassis, a rotatable supporting frame, rollers carried by the chassis, an annulus secured to the frame and traveling on said rollers, a tiltable dumping body supported by the frame, means for rotating the frame, a mechanism for tilting said body, said mechanism including a cable extending through said annulus centrally thereof and traveling against sheaves carried by the rotatable frame and the chassis.

1,500,804. TROUSERS ATTACHMENT. ALEXANDER W. CRAWFORD, Carlinville, Ill. Filed Dec. 31, 1920. Serial No. 434,329. 3 Claims. (Cl. 2—126.)



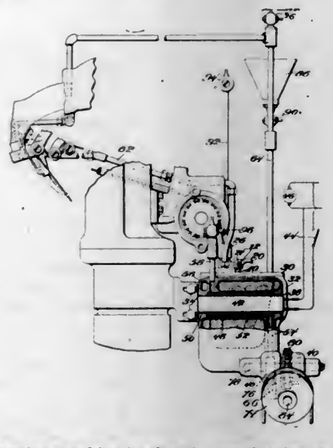
1. A pair of trousers provided with tension elements extending from the rear upper portion of the trousers at points above the seat to points below the knees of the trousers, the upper and lower portions only of said tension elements being attached to the trousers.

1,500,805. VAULT PROTECTION SYSTEM. JOHN J. DUFFIE, Berkeley, Calif. Filed Mar. 3, 1921. Serial No. 449,438. 10 Claims. (Cl. 177—314.)



1. In a vault protection system, a casing adapted to be attached to the vault door, a cable comprising a plurality of wires connected to the casing and extending across the jamb of the door to an anchorage whereby the door cannot be opened, a signal and means operative by the severing of the cable for operating the signal.

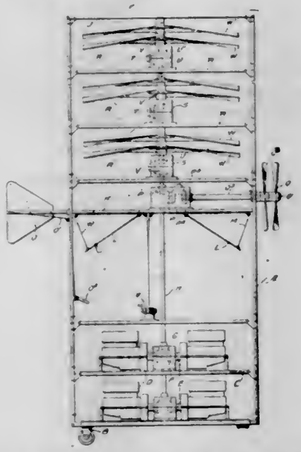
1,500,806. SEWING MACHINE. ANDREW EPPLER, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 14, 1920. Serial No. 373,944. 5 Claims. (Cl. 112—41.)



1. A sewing machine having, in combination, a frame, a wax pot mounted on the frame, fluid conducting means for conducting fluid in a circuitous path extending through the wax pot and to parts of the frame, a pump for caus-

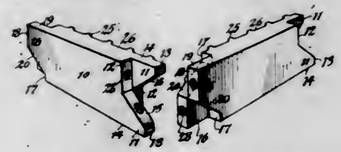
ing the flow of the fluid in the conducting means, a fluid reservoir for initially supplying fluid to the conducting means, a heating device embodied in the conducting means comprising a casing, and a heating element located within the casing and spaced slightly from the inner wall of the casing to cause fluid in the conducting means to flow in a thin film over the heating element.

1,500,807. HELICOPTER. DAVID A. FLANIGAN, Virgin, Utah. Filed May 31, 1923. Serial No. 642,548. 1 Claim. (Cl. 244—19.)



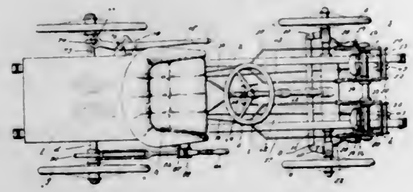
A helicopter consisting of a rectangular vertical frame, a motor supporting portion in the lower end of said frame, motors arranged in said lower end, a single driving shaft geared to be driven from said motors and extending throughout the height of said frame, a series of cases mounted in the upper end of said frame and forming bearings and guides for said driving shaft, a series of vertically disposed beveled gears mounted in said cases, a series of beveled gears meshing with said vertical gears and carried by the driving shaft, a series of gears also meshing with said vertical gears and mounted on sleeves, and a series of lifting blades carried by the driving shaft and sleeves and operated from said driving shaft.

1,500,808. BUILDING BLOCK. JOHN FUHRMANN, Buffalo, N. Y. Filed Nov. 10, 1922. Serial No. 600,062. 5 Claims. (Cl. 72—38.)



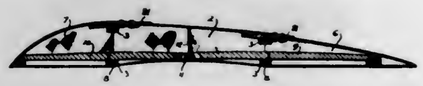
1. A building block comprising a body which is rectangular in cross section and which has one of its ends provided on one pair of diagonally opposite corners with longitudinally extending narrow tenons and on the other pair of diagonally opposite corners with long vertical rear faces, each of said narrow tenons having a short vertical front face, a longitudinal outer face which is flush with the adjacent horizontal face of the body and an inclined inner face which extends from the inner end of said short face to the inner end of the adjacent long rear face which is arranged in the same vertical plane, and the opposite end of said body being provided on one pair of diagonally opposite corners with comparatively wide tenons, and on the other pair of diagonally opposite corners with short rear vertical faces, each of said wide tenons having a comparatively high front face, a longitudinal outer face which is flush with the adjacent horizontal face of the body, and an inclined inner face which extends from the inner end of said high front face to the inner end of said short rear face.

1,500,809. FOOT-PROPELLED VEHICLE. ANTONY GIUFRI, Hartford, Conn. Filed Dec. 29, 1922. Serial No. 609,620. 18 Claims. (Cl. 208—36.)



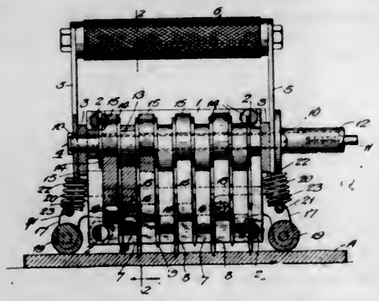
1. In a foot propelled vehicle, the combination with a frame, an axle journalled therein, and wheels thereon, a drive chain for said axle wrapped upon itself, and means for varying the extent to which said chain is wrapped about itself to thereby vary the turning power thereof.

1,500,810. AIRCRAFT-WING CONSTRUCTION. JONATHAN P. GLASBY, Jr., East Orange, N. J. Filed Nov. 19, 1920. Serial No. 425,117. 21 Claims. (Cl. 244—31.)



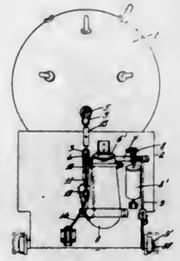
1. In wing construction for aircraft, a wing section stationary with respect to the body of the machine, a wing section adjustable relatively to said stationary section and a lever secured within said adjustable section and extending into said stationary section.

1,500,811. MEAT TENDERER. EZEKIEL GUGGENHEIM, Charlotte, N. C. Filed Oct. 23, 1923. Serial No. 670,267. 7 Claims. (Cl. 17—25.)



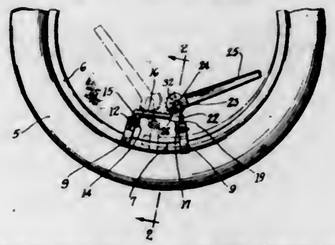
1. A meat tenderer comprising a frame, a plurality of plates slidable vertically in said frame and each having on its lower edge a plurality of piercing points, a shaft carried by the frame, means for rotating the shaft, and means operated from the shaft for reciprocating the plates vertically whereby a steak, over which the frame is moved, will be repeatedly pierced by the points of the plates.

1,500,812. SUBMARINE MINE AND SINKER. ALBAN LEWIS GWYNNE and ROBERT ALEXANDER STURGEON, Portsmouth, England. Filed June 3, 1921. Serial No. 474,783. 9 Claims. (Cl. 102—3.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



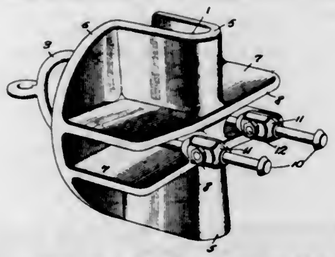
8. A submarine mine comprising a mine proper, a sinker and anchor, means for holding components together initially and gradually acting means for separating the mine from the anchor and for causing the anchor to have a negative buoyancy, said means being independent of the ordinary mooring cable restraint.

1,500,813. VEHICLE WHEEL-RIM JACK. EDMUND HARTUNG, Jersey City, N. J. Filed July 16, 1923. Serial No. 651,715. 1 Claim. (Cl. 157—1.)



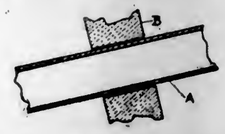
A rim jack comprising a pair of rim clamps, hand bolts for drawing the members of each pair towards each other, a forked bracket engageable with one of said bolts, a rack engageable with the other bolt, said rack being operable in the bracket, a segment having teeth meshing with said rack, said segment being pivoted in the fork of said bracket, a handle lever integral with said segment, said segment having a concentric row of spaced openings, a spring actuated detent carried on said bracket engageable in any of the segment openings when brought into register, and means for restraining the action of said detent.

1,500,814. LINK INSULATOR. EDWARD M. HEWLETT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 14, 1921. Serial No. 500,490. 3 Claims. (Cl. 173—366.)



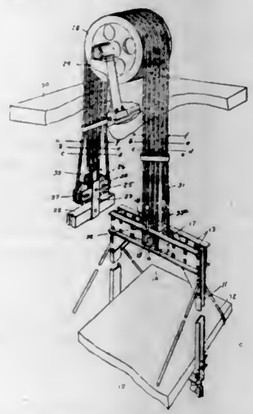
1. An insulator unit having a central or body portion provided with two interlinked passageways, a barrier wall extending in U-shape about one of said passageways, semi-circular flanges extending radially from the ends of said barrier wall, and two substantially parallel barrier walls disposed transversely of said U-shaped barrier wall and adjacent the sides of the second passageway and joined at their rear ends with said radial flanges.

1,500,815. BOILER BAFFLE AND METHOD OF CONSTRUCTING SAME. JOHN H. HINMAN, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 14, 1924. Serial No. 686,217. 15 Claims. (Cl. 25—157.)



1. In a water tube boiler, the combination of water tubes, and a baffle having molded or cast portions provided with openings for said tubes proportioned so as to permit the tubes to move endwise relatively to the baffle without subjecting the baffle to strains.

1,500,816. CABLE EQUALIZER FOR ELEVATORS AND THE LIKE. JOHN W. HOBBS, Indianapolis, Ind., assignor to The Home Elevator Company, Indianapolis, Ind. Filed July 23, 1923. Serial No. 653,281. 6 Claims. (Cl. 187—1.)



3. A cable equalizing attachment for elevators, comprising a pair of blocks pivotally connected to said elevator, and a pair of cables adapted to pass partially about each of said blocks, one on each side thereof, said cables having their ends rigidly secured thereto whereby said blocks will act as an equalizing connection between each pair of cables.

1,500,817. HOLDER FOR PAPER-BOUND BOOKS. GRANT HOERNER, New York, N. Y. Filed Feb. 23, 1921. Serial No. 447,084. 3 Claims. (Cl. 129—38.)



1. A holder for paper-bound books comprising a shallow box receiving the back of the book and preventing its twisting, said box having relatively narrow longitudinal

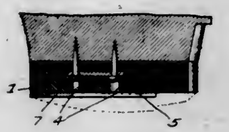
side walls or flanges and relatively wider end walls, and a longitudinal retaining strip held by the end walls beyond the outer edges of the side walls and passing between the pages of the book to hold it within the box.

1,500,818. COOLING RADIATOR FOR TRANSFORMERS. SAMUEL HORELICK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Sept. 1, 1922. Serial No. 585,606. 12 Claims. (Cl. 257—191.)



6. A radiator having opposite corrugated sides, the corrugations overlapping at the interior, sides of the corrugations joining one another at their ends to close their inner bends and end members secured to said radiator sides and forming a space extending across the closed ends of said corrugations and in communication with the space between said corrugated sides.

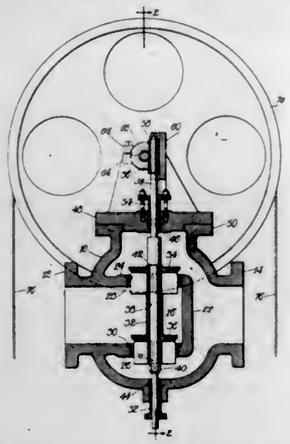
1,500,819. RUBBER HEEL. JAMES J. JOHNSON, San Francisco, and GEORGE E. JOHNSON, Fowler, Calif. Filed Aug. 24, 1922. Serial No. 584,010. 2 Claims. (Cl. 36—35.)



1. A resilient heel having a plurality of non-resilient elements embedded therein centrally between the attaching and outer faces and provided with a plurality of openings therein registering with corresponding openings extending to the outer and attaching faces of the heel, said non-resilient elements being arranged in parallel rows extending longitudinally of the heel.

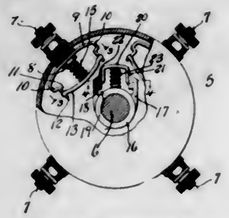
1,500,820. VALVE. JOHN L. JONES, Birmingham, Ala. Filed June 2, 1922. Serial No. 565,364. 2 Claims. (Cl. 137—104.)

1. An automatic regulating float valve including a valve body having a valve seat therein, a valve adapted to engage said seat, a stem for supporting said valve and means on opposite sides of said valve for guiding said stem, a rack secured to said valve stem, a drum



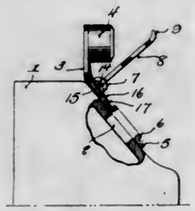
wheel and pinion operatively connected with said rack and a float and counterweight connected to said drum for controlling the movements of said valve stem.

1,500,821. TIMER. ADAM W. KAUFMAN, Milwaukee, Wis. Filed Mar. 7, 1922. Serial No. 541,678. 2 Claims. (Cl. 200—26.)



2. A timer comprising a plurality of binding posts, disposed radially and each having a yoke secured to its inner end, said yoke having inwardly extending arms formed with stops at their inner ends, a contact member removably and slidably mounted on the arms of the yoke, a spring normally holding the contact member against the stops, and a rotor having a yieldable brush adapted to wipe the contact members successively.

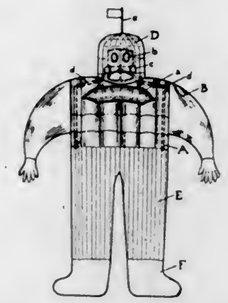
1,500,822. OIL-HOLE CAP. ADAM W. KAUFMAN, Milwaukee, Wis. Filed Sept. 29, 1923. Serial No. 665,587. 4 Claims. (Cl. 200—19.)



2. The combination of a timer casing having an oil hole therethrough and having a marginal flange surrounding said oil hole and a cover having a portion adapted to contact with said flange and closing said oil hole, and having laterally extending trunnions,

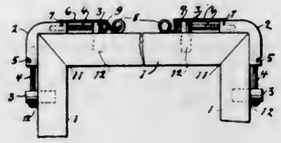
curved ears projecting outwardly from said timer casing and positioned upon the outer side of said trunnions and a flat spring slipped in place beneath the outer end of said cover.

1,500,823. LIFE-SAVING DEVICE. ROBERT J. KEE, Ottawa, Ontario, Canada. Filed Mar. 19, 1923. Serial No. 626,186. 2 Claims. (Cl. 9—20.)



1. A head covering arched in front in shape in a forward direction from the face of the occupant, and containing a glazed opening of plate glass for each eye, and having for means of ventilation two telescopic tubes extending through the arched front of the head covering from side to side opposite the mouth and nostrils of the occupant, and containing automatic spring ends outside the head covering and one side opening in the inner tube and two side openings in the outer tube inside the head covering, one of these side openings of the outer tube further protected by a wire gauze which admits air but not water, and the openings on the outer tube are approximated to the opening on the inner tube by revolving the outer tube on the inner tube at the will of the occupant.

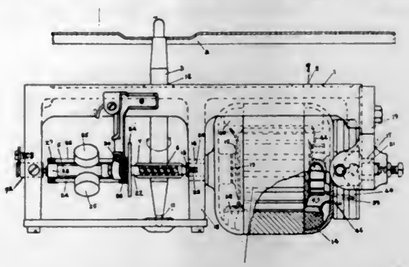
1,500,824. FRAME CORNER. CHARLES E. KLINE, Cedar Springs, Mich. Filed Mar. 26, 1923. Serial No. 627,931. 4 Claims. (Cl. 40—152.)



1. In combination with the sides and ends of a picture frame, metal corner pieces made with the inner surfaces positioned at an exact right angle and having a screw threaded hole in each end longitudinally of the bodies of the corner piece, standards set into openings made laterally into the edges of the sides and ends of the frame, said standards extending outwardly from the edges of the frame members and having a hole through the projecting end laterally for the free passage of a screw, and a screw passed through said opening and screwed into the longitudinal openings in the ends of the corner pieces.

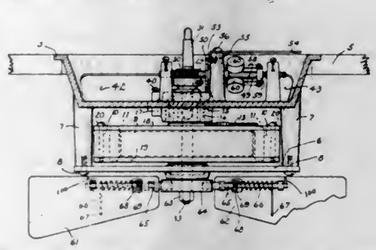
1,500,825. ELECTRIC-MOTOR MECHANISM. GEORGE R. KUNKLE, Elyria, Ohio. Filed Dec. 16, 1921. Serial No. 522,755. 25 Claims. (Cl. 172—36.)

24. In a device of the class described, a motor, a pair of rotors for the said motor, a phonograph turntable driven by one of the rotors, a governor driven by the said rotor and means for retarding the speed of the



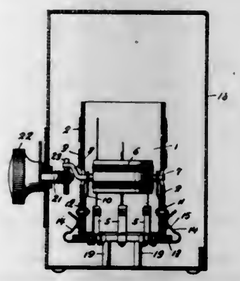
other rotor, said governor and said means maintaining the speed of the first rotor at a substantially constant rate.

1,500,826. SPEED-REGULATED MOTOR. GEORGE R. KUNKLE, Elyria, Ohio. Filed Aug. 26, 1921. Serial No. 495,756. 2 Claims. (Cl. 172—36.)



2. In a phonograph motor, a pair of rotor elements therefor, both said elements being independently rotatable in opposite directions, an electrical winding on one of the said rotors adapted to be connected to an outside source of electrical current to energize the same, a phonograph turn-table directly connected to the other said rotor and rotatable thereby, and a speed governor driven by such rotor to prevent its speed from exceeding a predetermined speed, and a magnetic circuit energized by the said winding comprising both said rotors.

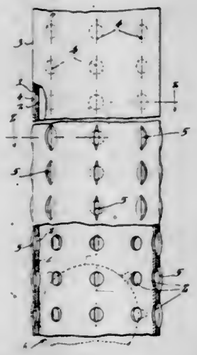
1,500,827. COIL SYSTEM. RALPH H. LANGLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 22, 1922. Serial No. 576,767. 6 Claims. (Cl. 171—242.)



1. In an apparatus of the class described, the combination of a coil, a hollow cylinder upon which said coil is wound, a plurality of taps to said coil, a plurality of contact members connected to said taps and distributed around the periphery of one end of the cylinder and a holder for said coil having a plurality of contact mem-

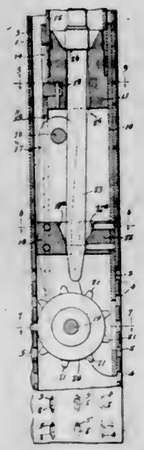
bers arranged in a circle and adapted to make contact with the contact members on the cylinder and thereby serve to hold the coil in a desired position and provide a readily detachable connection between the coil and an electrical circuit.

1,500,828. WELL SCREEN AND METHOD OF MAKING SAME. MAHLON E. LAYNE, Houston, Tex. Filed Apr. 19, 1923. Serial No. 633,083. 15 Claims. (Cl. 166—5.)



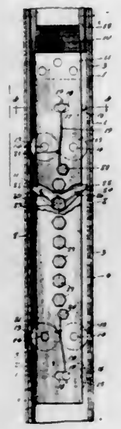
1. A well screen comprising an inner pipe having a plurality of perforations in its walls, and an outer pipe having a slit extending across each perforation with the wall of the outer pipe adjacent each slit pressed outwardly to widen the slits and form openings in the outer pipe communicating with the perforations in the inner pipe.

1,500,829. METHOD OF FORMING WELL SCREENS. MAHLON E. LAYNE, Houston, Tex. Filed Apr. 19, 1923. Serial No. 633,084. 6 Claims. (Cl. 29—163.5.)



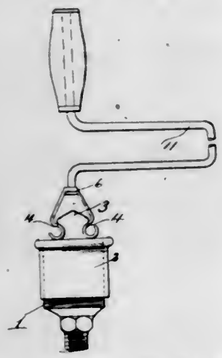
1. A method of forming well-screens, which consists of forming longitudinal rows of holes in a length of casing, positioning said casing within an outer casing, lowering into the inner casing a tool having a perforating element, manipulating the tool from outside the casing to engage said element with a row of said holes, and translating the tool to positively form screen apertures in the outer casing with the holes of the inner casing serving as means for guiding the perforator element during a perforating operation.

1,500,830. WELL-SCREEN-FORMING DEVICE. MAHLON E. LAYNE, Houston, Tex. Filed Apr. 19, 1923. Serial No. 633,085. 10 Claims. (Cl. 81—199.)



1. A well-screen forming device including a body adapted to be longitudinally translated in a double-wall well casing having longitudinal rows of holes in its inner wall, diametrically disposed toggle members carried by the body and adapted to extend beyond the wall of the inner casing when in horizontal position, said members cooperating with the walls of said holes during a longitudinal translation of the device to form screen apertures in the outer casing wall.

1,500,831. ATTACHABLE HANDLE FOR GREASE-CUP CAPS. ARTHUR E. LITTLE, Cleveland, Ohio. Filed Nov. 21, 1921. Serial No. 516,829. 2 Claims. (Cl. 81—125.)

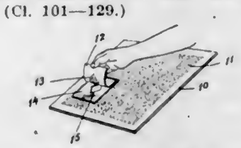


1. In a device for rotating the cap of a grease cup, said grease cup provided with laterally extending engaging means, a revolvable handle, a plate upon the extremity of said handle, said plate extending at right angles thereto, the lateral sides of said plate inclined longitudinally and radially therefrom, said sides providing opposite resilient gripping means and engageable with said engaging means on said cap.

1,500,832. WIRE TIE FOR REENFORCING RODS AND BARS. RICHARD GIFFORD LUDWIK, Brooklyn, N. Y., assignor to Concrete Steel Company, New York, N. Y., a Corporation of Delaware. Filed May 28, 1923. Serial No. 641,824. 8 Claims. (Cl. 72—122.)

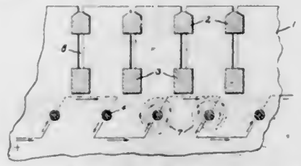
1. A tie for the junction of reenforcing bars, comprising a wire member having a loop adapted to one of said bars, a pair of loops continuous with the first named loop and adapted to a bar crossing the first; all of said loops being of substantially the same depth, and arms extending from said pair of loops and adapted to cross over and engage the bar adapted to the first-mentioned loop.

1,500,833. ART OF ORNAMENTING OR COATING. FRANK J. MACDONALD, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 17, 1922. Serial No. 575,478. 1 Claim. (Cl. 101—129.)



The herein-described method which comprises applying a coating of colored rubber cement to a support, placing a stencil over said coating, placing a sheet of material over said stencil, causing adhesion of a definite area of the coating to said sheet through the stencil, and stripping off the sheet with the definite area section of the coating adhering thereto.

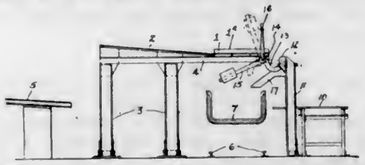
1,500,834. METHOD OF AND APPARATUS FOR MODIFYING THE CHARACTERISTICS OF ASYNCHRONOUS DYNAMO-ELECTRIC MACHINES. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 7, 1922. Serial No. 566,553. 8 Claims. (Cl. 172—120.)



1. In an alternating current motor of the induction type, the method of modifying the characteristics thereof which consists in artificially and uniformally saturating the normal flux path beneath the secondary winding.

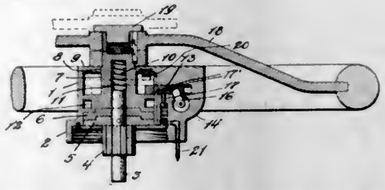
6. A double squirrel cage secondary member for an induction motor having a distributed direct current winding beneath said squirrel cage windings and means whereby said direct current winding may be connected to an external direct current source.

1,500,835. BUNDLING TABLE. THOMAS J. MALONEY, Youngstown, Ohio. Filed July 12, 1923. Serial No. 651,076. 10 Claims. (Cl. 214—1.)



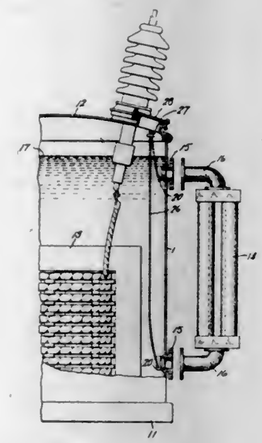
1. The combination of a table, and a series of members projecting horizontally beyond one edge thereof to form a pocket wherein articles from said table may be assembled, said members being transversely movable to drop such assembled articles when desired.

1,500,836. AUTOMOBILE LOCK. HENRY MAYER, St. Louis, Mo., assignor of one-half to Frederick Mayer St. Louis, Mo. Filed Dec. 27, 1921. Serial No. 524,967. 2 Claims. (Cl. 70—127.)



1. The combination with the steering-post, steering stem, steering wheel, and ignition circuit of an automobile of a shell disposed upon the steering post and having electrical connection with the ignition circuit, and means including a clutch-member disposed for movement within the shell for locking the steering wheel in and out of steering engagement with the stem and for breaking and closing the ignition circuit, said clutch-member being adapted to metallically contact with the shell and thereby short the ignition circuit when in wheel unlocking position.

1,500,837. INCASED ELECTRICAL APPARATUS. WALTER S. MOODY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 26, 1920. Serial No. 419,762. 1 Claim. (Cl. 220—1.)

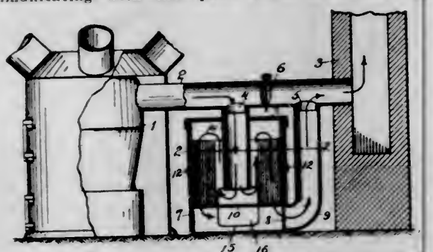


A casing for oil submerged electrical apparatus having detachable external radiators, said casing being provided with plugs inserted from the interior of the casing into the orifices in the casing wall through which the radiators connect when attached thereto, exterior devices for securing said plugs in place against the action of direct displacing forces when the radiators are detached, and means disposed within the casing for opening said orifices by withdrawing said plugs after said exterior devices are removed and the radiators are attached, said means being arranged to be manipulated from inside the casing.

1,500,838. HEATING ATTACHMENT FOR STOVE OR FURNACE PIPES. HENRY MILLER, Kansas City, Mo. Filed Mar. 23, 1922. Serial No. 546,102. 3 Claims. (Cl. 257—172.)

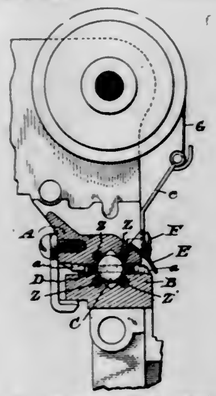
2. In a device of the kind described, the combination with a smoke pipe and a flue into which the pipe discharges, said pipe having two lateral openings and a

damper located in the pipe between said openings, of an upright drum having near its lower end a lateral discharge opening, a cup-shaped member in said drum having its bottom above said discharge opening and its upper end spaced apart from the upper end of said drum; the side walls of said cup-shaped member forming with the side walls of the drum one or more vertical passages communicating with the spaces above and below said



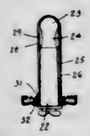
member, a vertical pipe extending through the top of said drum and communicating with its upper end with one of said lateral openings of said smoke pipe and extending into said cup-shaped member and having its lower end spaced apart from the bottom of the latter, and a pipe communicating at its ends respectively with said discharge opening and with the other lateral opening of said smoke pipe, substantially as set forth.

1,500,839. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 23, 1923. Serial No. 658,959. 13 Claims. (Cl. 197—69.)



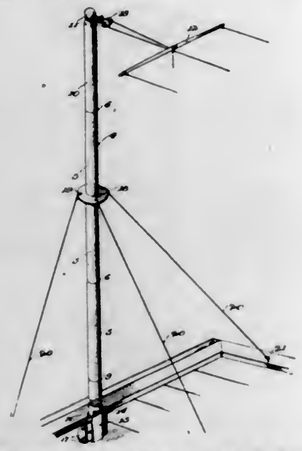
1. A bearing for a typewriting machine comprising balls or rollers and rails between which the balls are mounted each provided with a plurality of wearing members with which the rails engage.

1,500,840. CASTER SOCKET. WILLIAM H. NOELTING, Evansville, Ind., assignor to Faultless Caster Company, Evansville, Ind., a Corporation. Filed Mar. 26, 1923. Serial No. 627,780. 8 Claims. (Cl. 16—38.)



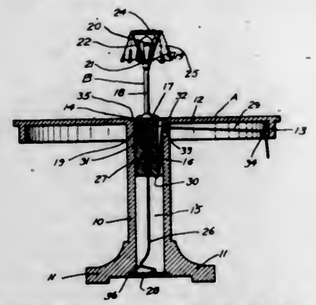
1. A caster stem socket comprising a tubular body portion longitudinally slitted to form an inwardly extending retainer integral at both ends with the body portion, said retainer having a twist imparted thereto.

1,500,841. AERIAL STANDARD. DELMAR PASKE, Newfane, N. Y. Filed Aug. 23, 1923. Serial No. 658,958. 2 Claims. (Cl. 20—99.)



1. A standard of the character described composed of sections, socket and tenon joints connecting said sections, a plate interposed between the adjoining members of one of said joints, brace wires extending from said plate, and a base member comprising clamping plates to receive the lower end of the standard, said plates having angular extensions for securing said member to a base.

1,500,842. TABLE LAMP. JARL O. PAULSON, Fargo, N. Dak. Filed Mar. 25, 1922. Serial No. 546,849. 8 Claims. (Cl. 240—4.)

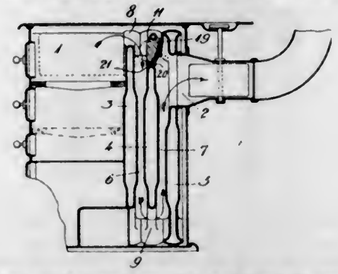


1. In combination with a table having a top and a hollow pedestal, an opening through said top communicating with said hollow pedestal, a member slidable within said pedestal having a portion of the same dimensions as said opening and forming a continuation to said top when in its upper position, a lamp mounted upon said slidable member adapted to be withdrawn into said pedestal upon the lowering of said slidable member, inclosure means for closing said top when the lamp is in its lowermost position.

1,500,843. COOKING STOVE. FRITZ ALBERT PETTERSSON, Halmstad, Sweden, assignor to Aktiebolaget Gjuterimaskiner, a Company Ltd., Halmstad, Sweden. Filed Nov. 21, 1922. Serial No. 602,444. 4 Claims. (Cl. 126—5.)

1. A cooking stove and water heater comprising,—a fireplace, a water heater located behind the fireplace and comprising front, intermediate and rear water containing elements spaced from each other to form vertical front and rear passages for the fire gases, a baking oven

located at one side of the fireplace, means around the oven forming passages for directing the fire gases over the top of the oven, thence down one side, and thence beneath the bottom thereof, means forming a passage for directing the said gases from beneath the oven to the said vertical rear passage between the intermediate and

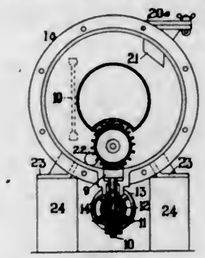


rear water containing elements, and control means for the fire gases comprising a damper for shutting off the flow of gases around the oven and a second damper for controlling the flow of gases through the said vertical front passage whilst the flow through the said vertical rear passage is uninterrupted.

1,500,844. OIL-SOLUBLE DYESTUFF. HERMANN PLAUSON, Hamburg, Germany. Filed Feb. 12, 1921. Serial No. 444,493. 7 Claims. (Cl. 260—69.)

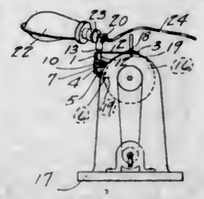
7. The process of preparing synthetic resins by condensation of resin components which includes the step of adding a diazo compound prior to complete condensation.

1,500,845. PROCESS AND APPARATUS FOR THE MANUFACTURE OF DISPERSOIDS. HERMANN PLAUSON, Hamburg, Germany. Filed Apr. 22, 1921. Serial No. 463,618. 10 Claims. (Cl. 259—107.)



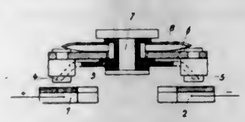
1. A mill for producing colloidal solutions comprising a liquid-tight casing, a disintegrator of the beater type eccentrically mounted therein and adapted to rotate at a peripheral speed of at least 1500 metres per minute.

1,500,846. SEWING-MACHINE LAMP BRACKET. JAMES T. PRICE, Lincoln, Ill. Filed Oct. 8, 1923. Serial No. 667,190. 2 Claims. (Cl. 240—2.)



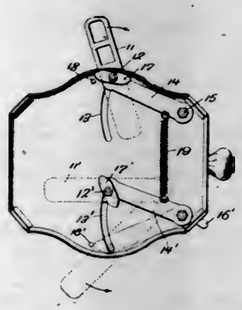
1. A bracket of the kind described, adapted for attachment to the arm of a sewing machine and for supporting an electric lamp in operative position at the front of the sewing arm, the said bracket comprising a top strip having anchor prongs adapted to embrace the spool spindle, a perpendicular connecting strip, an inwardly extended bottom strip, and a downwardly turned anchor tab; the said top and bottom strips having aligned holes adjacent the connecting strip, and a lamp supporting post rotatively mounted through the said aligned holes; and means for securing the bracket to the sewing machine arm.

1,500,847. ELECTRIC SWITCH FOR HEAVY ELECTRIC CURRENTS. MAX RALL and ROBERT MAIER, Stuttgart, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Feb. 10, 1922. Serial No. 535,550. 6 Claims. (Cl. 200—146.)



4. In an electric switch for heavy currents, the combination with spaced stationary contact members, of a conducting bridge adapted for perpendicular switching movements relative to said stationary contact members and comprising a spring-plate member provided with contacts for engagement with said stationary contact members, a rigid carrier member and contacts carried thereby for engagement with said stationary contact members, means mounting said carrier member upon said spring-plate member for vertical movement with respect to said spring-plate member and a spring arranged to press said carrier member toward said spring-plate member.

1,500,848. TURNOVER TOASTER. WILLIAM A. RANKIN and LUTHER E. HARDIN, Chicago, Ill., assignors to Edison Electric Appliance Company, Inc., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,755. 10 Claims. (Cl. 53—5.)

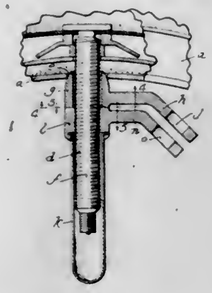


1. A toaster comprising a heating element, a slice holder supported to swing away from the heating element to permit it to turn to present another side thereto, and means whereby when the slice holder is so swung it is automatically turned.

1,500,849. TIRE PROTECTOR. WALTER J. RUDOLPH, Chicago, Ill., assignor to Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1922. Serial No. 563,771. 2 Claims. (Cl. 70—122.)

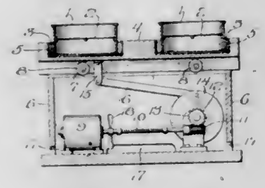
1. In a tire protector, the combination with a supporting member through which the inflation valve of a tire extends, of a locking member associated with the valve and having an aperture therethrough, a locking

cap also provided with an aperture adapted to be brought adjacent the locking member while covering the valve and to be turned on the valve to bring its



aperture into register with that of the locking member and to prevent its removal while so turned, and a padlock adapted to engage the apertures.

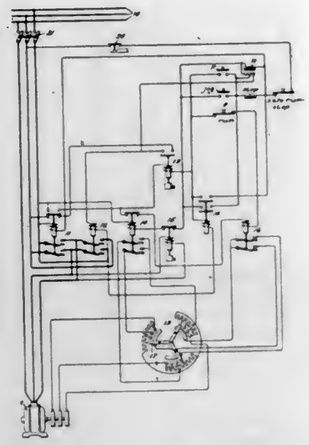
1,500,850. GRADING MACHINE FOR GRANULAR MATERIAL. DONALD B. RUSH, Villa Park, Ill., assignor to Robert W. Hunt Company, a Corporation of Delaware. Filed Jan. 9, 1924. Serial No. 685,153. 8 Claims. (Cl. 83—56.)



1. A machine of the character described comprising a support, a circular sieve resting loosely on said support, means for limiting the movement of the sieve relative to said support, means for reciprocating said support, and stops on said support in front of and behind the sieve and spaced apart a distance greater than the diameter of the sieve, said stops being arranged on opposite sides of a line passing through the center of the sieve in the direction of reciprocation, whereby the sieve will be given a step-by-step rotary movement as well as a shaking or jarring when said support is reciprocated.

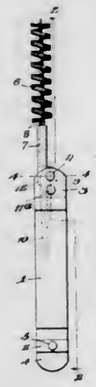
1,500,851. SYSTEM OF MOTOR CONTROL. CARL F. SCOTT, Yonkers, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 20, 1923. Serial No. 620,268. 12 Claims. (Cl. 172—179.)

1. The combination with an electric motor, of electroresponsive switch mechanism for connecting the motor to a source of supply for forward or reverse operation, master switch mechanism for controlling the said electroresponsive switch mechanism, connections whereby operating the said master switch mechanism causes the operation of said electroresponsive switch mechanism to disconnect the motor from the source of supply for forward direction of operation and connect the motor to the source of supply for reverse operation to produce a braking action, and a time element device set into operation responsively to the operation of said master



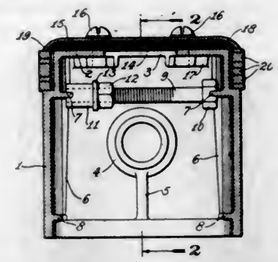
switch mechanism for automatically disconnecting the motor from the source of supply when the braking action has substantially ceased.

1,500,852. SPARK-PLUG CLEANER. CLARENCE A. SHEPHARD, Bridgeport, Conn. Filed Dec. 1, 1922. Serial No. 604,318. 6 Claims. (Cl. 7—16.)



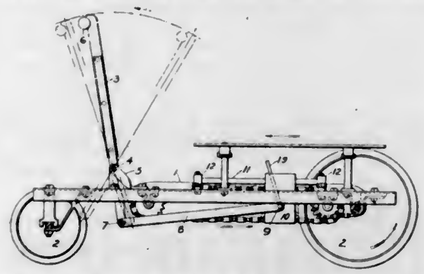
2. In a spark plug cleaner, a handle, a member having a shank provided with spaced sides and a back, a second member mounted between the shank sides and engageable with the back, means common to the shank and second member for independently and conjointly pivotally connecting each to the handle, and stop means for the two members.

1,500,853. PISTON. WILLIAM I. SHORT, Clayton, Mo. Filed Sept. 28, 1921. Serial No. 503,845. 12 Claims. (Cl. 74—108.)



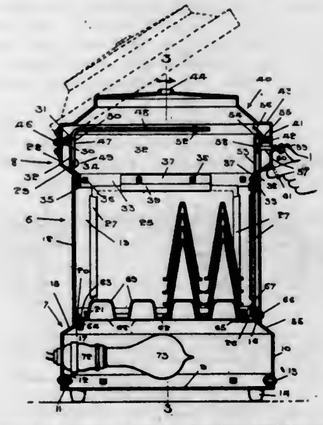
1. A trunk piston comprising, a continuous shell having a wrist pin bearing, and means for expanding said shell transversely of said bearing and diminishingly from its closed to its open end.

1,500,854. CHILD'S OCCUPANT-PROPELLED VEHICLE. FRED STARR, Oakland, Calif. Filed Oct. 28, 1922. Serial No. 597,483. 4 Claims. (Cl. 208—38.)



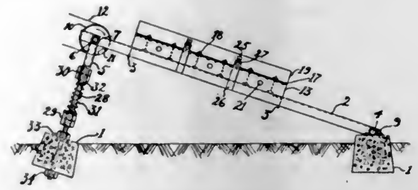
1. An occupant-propelled vehicle, comprising, in combination, a wheeled frame, an upstanding lever pivotally mounted on said frame, and adapted to be oscillated by the rider thereof, a chain and sprocket drive applied to the rear axle of said frame, and a connection between said lever and said chain whereby the oscillation of said lever rotates said chain, and means to reverse the direction of travel of said chain.

1,500,855. OVEN AND DISPLAY DEVICE. CHARLES GAINER TURNER, Atlanta, Ga. Filed July 20, 1921. Serial No. 486,304. 3 Claims. (Cl. 220—32.)



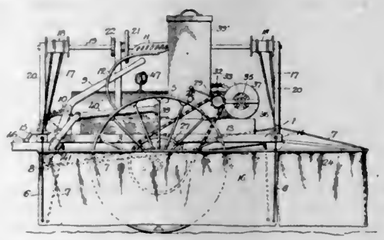
1. A container for pastry and other articles comprising a casing, a cover for the casing hinged to one wall thereof, a spring secured to said wall and having an arm extending away from said wall under the cover, the cover having a portion through which said arm is slidable, said arm serving to raise the cover, to yieldingly limit the opening movement thereof and to hold the cover open in inclined position, and a latch for holding the cover closed.

1,500,856. VIBRATING SCREEN. TIMOTHY D. WALSH, Los Angeles, Calif. Filed Feb. 5, 1921. Serial No. 442,728. 9 Claims. (Cl. 83—56.)



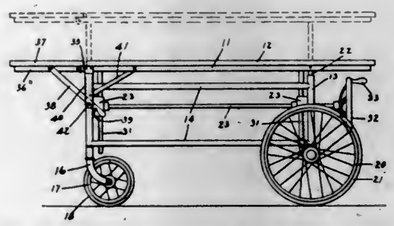
3. The combination with a support; of a frame pivotally mounted on the support and adapted to oscillate; a pillar mounted on said support and extending toward the frame; a spring carried by the pillar and resiliently supporting the frame at a distance from the pivot; a bumper mounted on said pillar to stop the frame on its upward movement; and an unbalanced rotor connected to the frame to vibrate it on its axis of oscillation.

1,500,857. INSECT-DESTROYING MACHINE. ROBERT LEE WOODRUFF, Winder, Ga. Filed Sept. 14, 1922. Serial No. 588,129. 8 Claims. (Cl. 43—148.)



1. An insect-destroying machine, consisting of a main frame, adjustable side and end frames, aprons carried by said side and end frames and connected to the frame to form an entire closure around said frame, and means for distributing water on the cotton before passing under said aprons and means arranged in rear of said water distributing means for delivering poison under said aprons on the cotton.

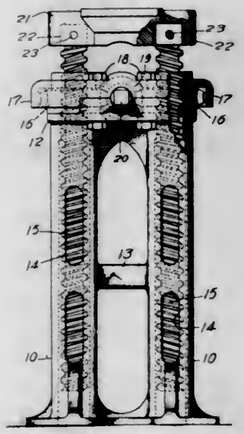
1,500,858. STRETCHER. CHARLES S. WOODS, Indianapolis, Ind. Filed May 29, 1922. Serial No. 564,565. 3 Claims. (Cl. 254—6.)



1. In a portable stretcher, the combination of a stretcher-supporting portable carriage framework including four tubular corner posts defining said framework, a rectangular stretcher positioned above the same and provided with an equal number of depending guides telescopically associated with said tubular corner posts, a pair of depending racks supported by and depending from

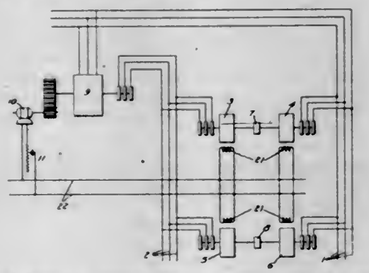
said stretcher, a gear associated with each rack, a worm and worm wheel for each gear, and a common shaft for actuating said worms for simultaneously moving said racks to elevate or lower the stretcher upon the framework.

1,500,859. LIFTING JACK. CHARLES V. WRIGHT, Tamaqua, Pa. Filed Aug. 4, 1922. Serial No. 579,712. 1 Claim. (Cl. 254—92.)



A jack comprising two connected parallel tubular standards, screws situated in such standards, nuts for the respective screws swivelled to the standard each nut being a worm wheel, a worm lying between the wheels and a cross-bar extending between and connected with the screws that forms the bearing members for the object to be moved, a head connecting the two standards and a cap attached to such head and housing said wheels and worm and forming with the head bearings for the same.

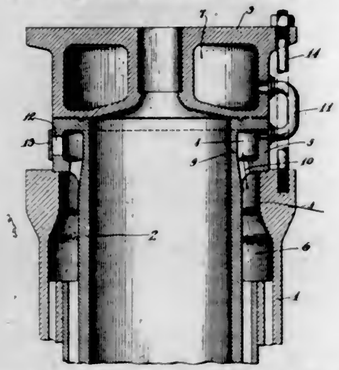
1,500,860. ELECTRIC CONTROL SYSTEM. SEIGO YO, Tokyo, Japan, assignor to General Electric Company, a Corporation of New York. Filed May 17, 1922. Serial No. 561,615. 5 Claims. (Cl. 172—239.)



1. An electric control system comprising in combination with a movable object, a pair of frequency responsive alternating current motors, driving means for said object differentially associated with said motors, a source of alternating current supply and electrical connections between said supply source and said motors including means for varying the frequency of the energy supplied to one of said motors to control the movements of said object.

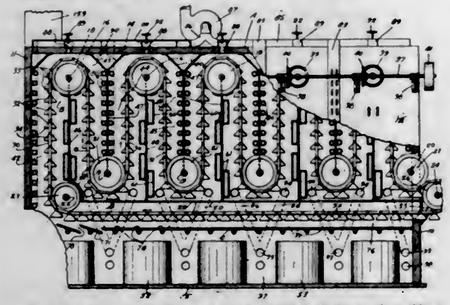
1,500,861. CYLINDER AND HEAD CONSTRUCTION. EUGEN ZBINDEN, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 22, 1924. Serial No. 694,451. 3 Claims. (Cl. 123—173.)

1. In an internal combustion engine, a cylinder water-jacket, a water-jacketed cylinder head having a stud-receiving flange at the end remote from the cylinder and ontside the cooling space of the head, a cylinder liner having an enlarged immediately accessible external flange on the top of which the cylinder head seats and which seats on the top of the outer wall of the cylinder water-jacket, said flange being provided with an annular cool-



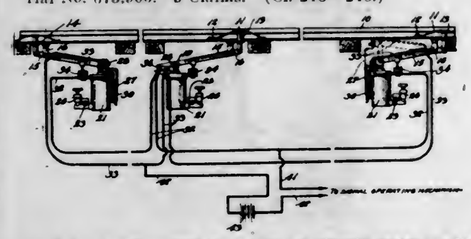
ing chamber surrounding the hottest part of the cylinder and in communication with the cylinder water-jacket and external studs located outside the liner flange in the atmosphere and received by said stud-receiving flange and clamping the cylinder head to the cylinder liner and the cylinder liner to the outer wall of the jacket.

1,500,862. DRIER. SWAN G. BONAPARTE, St. Paul, Minn. Filed Apr. 13, 1922. Serial No. 552,281. 22 Claims. (Cl. 34—12.)



15. A drier comprising a casing having a plurality of vertically arranged chambers, continuous carriers passing successively through said chambers, a plurality of perforated pipes passing along the walls of said chambers, openings formed through said chambers at the upper portions thereof and suction means for simultaneously drawing moisture through said pipes and said openings in the chambers.

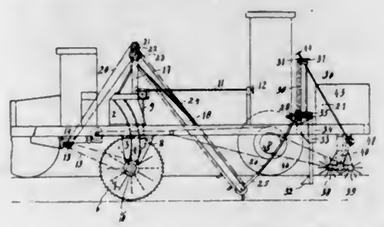
1,500,863. SIGNAL-CONTROL APPARATUS. JOSEPH H. DOWNS, Fort Wayne, Ind. Filed Nov. 20, 1923. Serial No. 675,900. 9 Claims. (Cl. 246—248.)



1. In a signal control apparatus, a circuit maker, a device disposed for actuation by a vehicle wheel to establish circuit to a signal mechanism, a circuit breaker connected

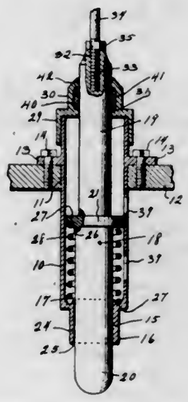
to control said signal circuit, means for actuating said breaker by the wheel of a vehicle, and means for retarding the movement of said circuit breaker to control the action of said circuit maker.

1,500,864. METHOD AND MACHINE FOR DIGGING IRRIGATION AND PLANTING FURROWS. JOAN J. M. ELIAS, Banjoemas, Java. Filed Dec. 12, 1922. Serial No. 606,467. 3 Claims. (Cl. 97—40.)



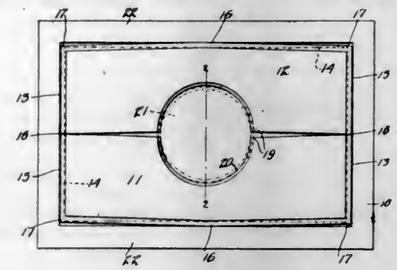
2. A soil working machine comprising a motor driven frame, a set of saw-disks mounted below the frame and arranged for vertical adjustment, beaters arranged between the saw-disks, coulters carried by the frame and arranged in the rear of the saw-disks and beaters and rotary rakes carried by the frame and arranged in the rear of the coulters said coulters and rotary rakes being also mounted for vertical adjustment, and means for independently driving the saw-disks and beaters and the said rotary rakes.

1,500,865. VALVE TAPPET. JOSEPH EUGENE FOSS, Florence, S. C. Filed June 14, 1922. Serial No. 568,313. 4 Claims. (Cl. 123—90.)



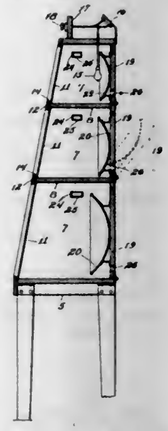
1. A tappet assembly for the valves of internal combustion engines embodying a tappet shell adapted to be secured in the shell receiving opening of the base of an engine and provided interiorly at the lower end thereof with an axial opening and an upwardly directed shoulder, a tappet having its lower end slidably engaged in said opening and slidably engaging the interior wall of the shell, a downwardly directed shoulder formed on said tappet, and a compression spring disposed intermediate the shoulders of the shell and tappet, the bore of the shell being unrestricted at its upper end to thereby permit removal of the tappet from the shell while the shell is in position in the base of the engine.

1,500,866. STOVE TOP. ISAAC L. FRANKEM, Indianapolis, Ind. Filed Aug. 13, 1923. Serial No. 657,123. 7 Claims. (Cl. 126—211.)



1. In combination a stove top having a rectangular opening over the fuel chamber, a ledge about the opening below the upper level of the stove top, a pair of reversible plates adapted to rest on the ledge and cover the rectangular opening over the fuel chamber, said plates being reduced in width approximately midway of their length to form a common fuel opening and being inclined toward each other at the ends so as to permit them to be straightened under the influence of heat without rising from said ledge, substantially as set forth.

1,500,867. MEANS FOR EXAMINING X-RAY PLATES AND THE LIKE. EDWARD T. GLOVER, Portsmouth, Va., assignor of one-half to Robert E. Glover, Portsmouth, Va. Filed Oct. 8, 1923. Serial No. 667,241. 3 Claims. (Cl. 40—132.)

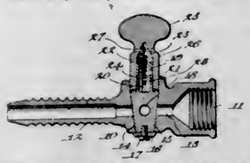


2. Means for examining single or groups of X-ray plates and the like comprising, in combination, a plurality of light boxes arranged side by side and in tiers, a cabinet in which said boxes are assembled so as to be adjustable as to size, a front for the cabinet including opal glass panels arranged on an inclined plane, means for securing the panels including means for positioning the plates, means for directing light rays through said panels, means for selectively illuminating the boxes, and air intake and exhaust provisions for the boxes.

1,500,868. GAS VALVE. GEORGE LOUIS GRADER, Brooklyn, N. Y. Filed Sept. 10, 1921. Serial No. 499,693. 1 Claim. (Cl. 251—165.)

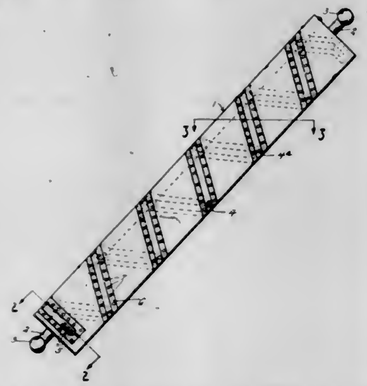
A gas cock comprising a body portion, opposed shoulders formed on the top of said body portion, recesses adjacent said shoulders, a valve having a reduced cylin-

drical end formed with an axial slot, a key formed to fit over said end of said valve, a pin carried by said key and passing through said slot and through and beyond one side of said key to co-act with said recesses, and a



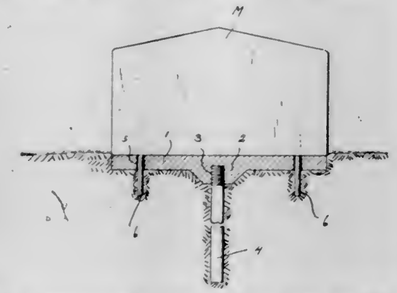
spring connecting said valve and key and operable to cause said pin to co-act with slots in said body portion the shoulders serving as stops for limiting the movement of said pin in either direction as and for the purpose set forth.

1,500,869. TOY. CLARA HINSON, Sharon, Pa. Filed July 27, 1923. Serial No. 654,213. 2 Claims. (Cl. 46—41.)



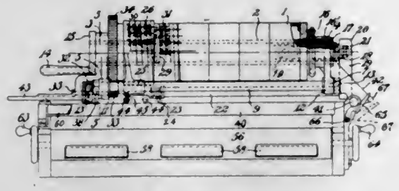
1. In a device of the character described, an elongated body of polygonal cross-section, said body being provided in its outer face with a groove extending longitudinally thereof, said groove being formed of a plurality of straight sections extending across the faces of the body at an inclination thereto, balls mounted within the groove to travel freely therein, and transparent closure means for said groove.

1,500,870. FOUNDATION STRUCTURE. CHARLES H. HOLDREDGE, Stonington, Conn. Filed Nov. 26, 1923. Serial No. 677,035. 2 Claims. (Cl. 72—72.)



1. A supporting structure of the class described comprising a plate provided at its axial center with a depending protuberance having a threaded opening, a stake having one end portion threaded within said opening, said plate being provided with means for coaction with a member superimposed thereon for maintaining said member in applied position.

1,500,871. INSTRUMENT FOR GRAPHICALLY RECORDING SERIES OF OBSERVATIONS INVOLVING TWO FACTORS. EDWARD HOLLAND and RONALD G. COLLINGWOOD, Cairo, Egypt. Filed July 27, 1923. Serial No. 654,256. 13 Claims. (Cl. 33—189.)



1. A plotting device comprising a hollow drum provided with graduations, means for rotating the drum and means for preventing axial movement of the drum, an index associated with said drum and adapted to be set to any graduation on the drum, means actuated by the rotation of said drum for moving said index longitudinally of the drum, a marking device carried by the index, and means for causing the marking device to plot a mark on a recording sheet corresponding to every setting of the index.

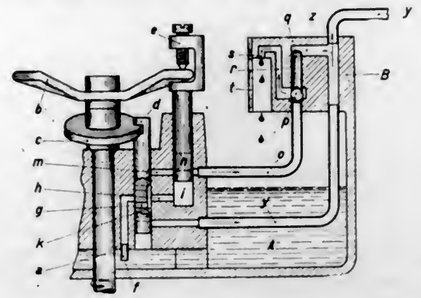
1,500,872. AUTOMOBILE BED. FRED W. HORTON, Eldora, Iowa, assignor of one-half to J. H. Hadley, Waterloo, Iowa. Filed July 26, 1921. Serial No 487,602. 3 Claims. (Cl. 5—118.)

1. In a knock-down bed for vehicles, the combination of spaced sockets disposed at the rear thereof, with independent longitudinally extending rails having means to engage the front seat of the vehicle and hooked ends to removably interlock with said sockets whereby they are held in predetermined spaced relation against longitudinal and lateral movement to support the seat cushions of the vehicle, a flexible body member adapted to extend over said cushions when so positioned and provided with means for attachment to the rear of each of said rails, and means for adjustably connecting the other end of the flexible body to the vehicle.

1,500,873. LUBRICATOR DEVICE. EDMUND INGELFINGER, Waiblingen, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed May 18, 1922. Serial No. 561,929. 4 Claims. (Cl. 184—27.)

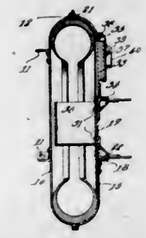
1. In a lubrication device, the combination with a lubrication pump, of a drop-indicator having a drop-feeding part, a pipe leading from said lubrication pump to said indicator, a pipe leading from said pump for delivery of oil for lubrication, a shut-off member controlled by pressures on opposite faces thereof arranged

between said first mentioned pipe and said pipe-feeding part of said indicator and having one face exposed to



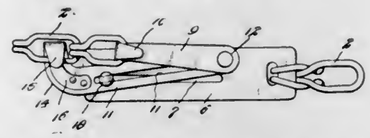
pressures in said first mentioned pipe, and a pressure-transmitting connection between said second mentioned pipe and the opposite face of said shut-off member.

1,500,874. AUTOMOBILE TIRE AND TOOL CASE. CHARLES R. ISHBURN, Helena, Ark. Filed Apr. 17, 1922. Serial No. 553,541. 1 Claim. (Cl. 224—29.)



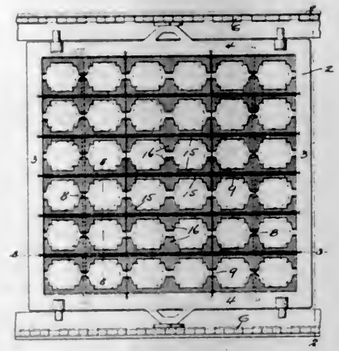
In a case of the class described, a circular back including a circumferential flange, a front section for partly closing a compartment formed between said section and the back, a segmental cover hinged to the said front section, and having an edge portion corresponding with the oppositely located portion of the back, said cover including a transverse solid portion, and having a cut-away portion adjacent thereto, a receptacle detachably connected with the inner side of said transverse portion, and a second cover hinged to the transverse portion, said receptacle being connected with the cover first named at a point between the hinged connection thereof and the hinged connection for the second cover, and devices for retaining the covers in horizontal position when opened.

1,500,875. CHAIN FASTENER. PACIFIC JOLIN, Le Bret, Saskatchewan, Canada. Filed July 10, 1922. Serial No. 573,849. 3 Claims. (Cl. 24—70.)



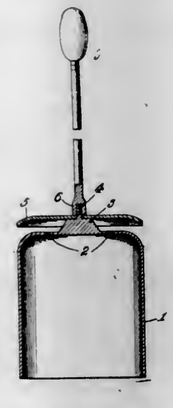
1. The combination with an anti-skid chain, of means for connecting the end links thereof, comprising a notched plate to which one of the end links is connected, a lever pivotally and slidably associated with the plate having a hooked end, and having a headed stud adjacent to its opposite end, a hook carrying strap pivotally secured to the last mentioned end of the lever, and the headed stud of the lever adapted to be received in one of the notches of the plate to allow the hook carrying strap to have its hooked end projected beyond one end of the plate to engage the second end link of the chain, and thereafter said lever designed to be moved on its rolling pivot to bring its hooked end to engage with a link of the chain adjacent that engaged by the hook of the strap.

1,500,876. EGG CARRIER. MORRIS KASSER, San Francisco, Calif., assignor to Kasser Egg Process Co., San Francisco, Calif., a Corporation of California. Filed Apr. 24, 1920. Serial No. 376,239. 3 Claims. (Cl. 99—6.)



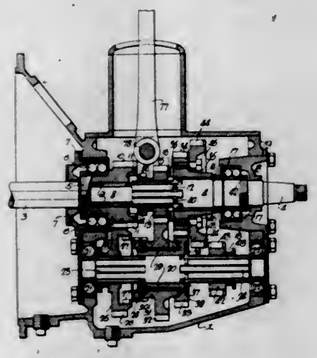
1. An egg carrier comprising a frame, a plurality of egg supporting leaves arranged in pairs in the frame, vertically movable cross-bars in which the leaves are pivoted at their ends and supporting rods disposed below and at right angles to the leaves, movement of the cross bars serving to move the leaves about their pivots.

1,500,877. MILK COOLER. JESSE C. KING, Lindley, N. Y. Filed Nov. 11, 1922, Serial No. 600,340. Renewed May 23, 1924. 1 Claim. (Cl. 259—143.)



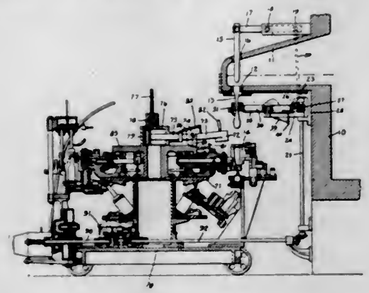
A device for cooking and aerating milk, comprising an inverted cup-shaped member having its top provided with spaced circumferential apertures, said top being centrally formed with a boss provided with an outstanding threaded stem, a disk having a central opening receiving the stem therethrough and resting on the boss, said disk having its periphery flared toward the inverted cup-shaped member, and a handle having a threaded socket end screwed on the stem and contacting the disk.

1,500,878. POWER TRANSMISSION. JOHN F. KRUCHTEN, Philadelphia, Pa. Filed Apr. 6, 1922. Serial No. 549,980. 5 Claims. (Cl. 74—58.)



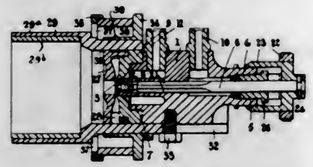
1. The combination in a power transmission, of a driving shaft; a driving hub thereon, said hub having gear teeth on its periphery and also having coupling teeth at one end; a driven shaft in line with the driving shaft; a gear hub splined to the driven shaft, said hub having coupling teeth at one side arranged to engage the coupling teeth on the driving hub, and also having gear teeth on its periphery; coupling teeth on the opposite side; a gear wheel loosely mounted on the drive shaft and having two sets of gear teeth on its periphery and having coupling teeth at one side arranged to engage the clutch teeth on the gear hub when said hub is moved in one direction; an intermediate shaft; a gear wheel on said shaft meshing with the teeth on the driving hub; a wheel on the shaft meshing with one set of teeth on the gear wheel loosely mounted on the drive shaft; another gear slidably mounted on the intermediate shaft and arranged to mesh with the other set of teeth on the gear wheel loose on the driven shaft; and means for actuating the several parts so that the driven shaft can be driven at different speeds.

1,500,879. GLASS-FEEDING MECHANISM. EDWARD MILLER, Columbus, Ohio, assignor to Chapman J. Root, Terre Haute, Ind. Filed Dec. 5, 1921. Serial No. 519,968. 38 Claims. (Cl. 49—5.)



10. In apparatus of the kind described, a glass tank spout with a discharge opening in the bottom thereof, a shear arm mounted below the spout and having an opening through it registering with the opening in the spout, a knife reciprocably mounted on said shear arm for severing the glass, and means for lowering the shear arm as the glass descends from the spout and for elevating the shear arm after the glass has been severed.

1,500,880. LIQUID-FUEL BURNER. GEORGE URQUHART MORGAN, London, England. Filed May 5, 1923. Serial No. 636,937. 8 Claims. (Cl. 158—74.)



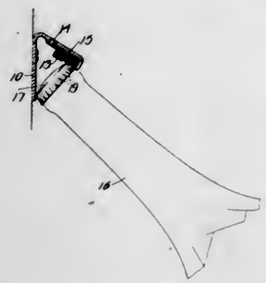
1. In a burner for liquid fuel, the combination of a body portion formed with a central nozzle aperture and with concentric chambers for the fuel and for an atomizing agent and an atomizing needle carried in a longitudinally adjustable manner in said body and formed with a cylindrical surface co-acting with a cylindrical part of the nozzle aperture and, with axially directed grooves disposed to the rear of the cylindrical surface and leading up to the latter.

1,500,881. CAP OR CROWN PULLER. HERBERT BERNARD MORIARTY, Memphis, Tenn. Filed May 1, 1922, Serial No. 557,546. Renewed May 12, 1924. 1 Claim. (Cl. 65—46.)



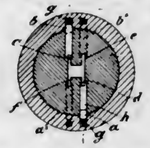
A puller for bottle caps or crowns comprising a base, an overhanging forward extension thereon, a lip on the extension adapted to hook the cap on a bottle, said lip having a recess located directly behind the same, and a yieldable filler in the recess, the filler being adapted to prevent the metal from coming in contact with the neck of the bottle being opened, substantially as set forth.

1,500,882. CAP OR CROWN PULLER. HERBERT B. MORIARTY, Memphis, Tenn. Filed Mar. 26, 1923. Serial No. 627,751. 6 Claims. (Cl. 65—46.)



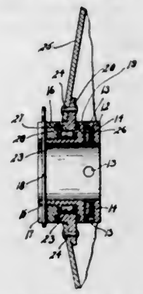
1. In a cap puller for bottles, a rear part for attachment to a fixed support, a part rigid therewith and extending forward at an angle thereto, a part extending downward from the edge of said angular part to catch under the edge of a bottle cap, and a spacing element located in the angle between the two last-named parts having a thickness slightly less than the width of said downwardly extending portion, substantially as set forth.

1,500,883. SAFETY LOCK. CARL AUGUST MÜLLER, Witzenhausen, Germany. Filed Mar. 9, 1921. Serial No. 450,894. 3 Claims. (Cl. 70—47.)



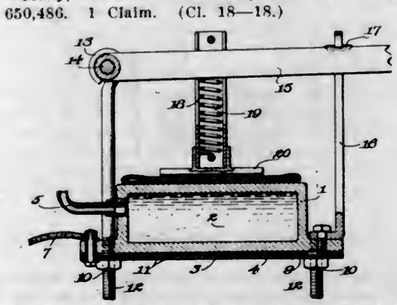
1. In combination, a lock of the pin tumbler type having rows of tumblers with their plungers all arranged in parallel planes, some rows being disposed on one side and some on the opposite side of and in parallel relation to the central vertical plane of the keyway, and a multiple-bearded key having beards crresponding in number to the number of rows of tumblers, substantially as set forth.

1,500,884. ADVERTISING DEVICE. JOHN A. MURNIN, Pittsburg, Kans. Filed July 16, 1923. Serial No. 651,860. 1 Claim. (Cl. 40—129.)



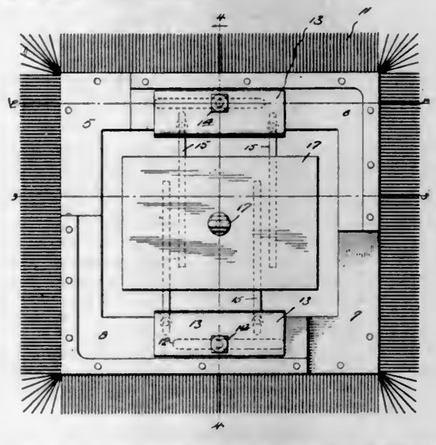
An advertising device for use on vehicle wheels, comprising a cap adapted to receive the hub of the wheel, a flange at one end of the cap, means for securing the cap to the hub, a nut threaded on the outer end of the cap, a collar surrounding the cap and arranged between the flange and said nut, roller bearings interposed between the cap and collar, the confronting faces of said flange and nut having annular grooves, felt washers arranged in said grooves and bearing against the opposed sides of said collar, said collar having an oil passage therein, a disk having a central opening to receive the cap, means for securing the disk to the collar, said disk having advertising matter on one side thereof, and means for holding the disk and collar stationary as the wheel rotates for the purpose specified.

1,500,885. VULCANIZER. GUST A. NELSON, Sedro Woolley, Wash. Filed July 9, 1923. Serial No. 650,486. 1 Claim. (Cl. 18—18.)



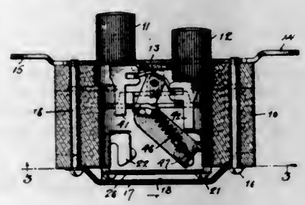
A vulcanizer of the class described comprising a body having a water chamber in the upper part thereof, a lower chamber, a heating coil in the lower chamber, a removable bottom plate for the lower chamber, bolts for holding the same in place, the lower ends of the bolts being extended to form legs and the upper portions of the bolts at one end being extended, a shaft supported by the extended portions of these last mentioned bolts, a hand lever pivoted to the shaft, an upright at the other end of the body having notches therein for receiving a part of the hand lever, a member having a slot therein through which the hand lever passes, a spring in said member engaging the lever, means for introducing water into the chamber and means for connecting the heating coil with a source of supply.

1,500,886. CHIMNEY BRUSH. TENNIE NELSON, Kilbourn, Wis. Filed Sept. 21, 1923. Serial No. 663,990. 3 Claims. (Cl. 15—163.)



1. In a brush of the character described, four substantially L-shaped bristle carrying brush sections originally arranged in the form of a square and having their adjacent ends in overlapping relation, means positioned directly upon adjacent ends of certain diametrically opposite ones of the overlapped ends of said bristle carrying brush sections for adjustably securing said adjacent ends together, and means carried by said first mentioned means for adjustably securing the opposite adjustably connected sections together.

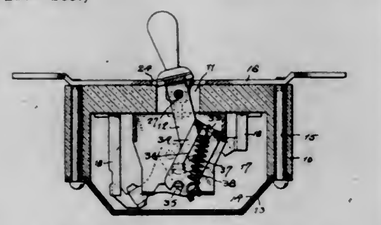
1,500,887. ELECTRIC SWITCH. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 7, 1920. Serial No. 356,822. 11 Claims. (Cl. 200—72.)



1. An electric switch comprising a skeleton switch frame, having a web lying in a plane substantially parallel to the axis of oscillation of a rocker, said rocker being pivoted on said frame and passing through said web, a push button having a rocker-engaging jaw extending in the plane of oscillation of said rocker and having a sliding engagement with the rocker to actuate the same, together with a guide member on said button

passing through the frame to guide the button for rectilinear movement, together with a switch yoke pivoted on the rocker, and a switch spring extending between the free end of the switch yoke and the frame, substantially as described.

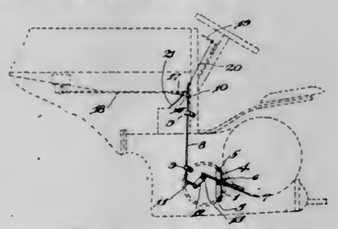
1,500,888. ELECTRIC SWITCH. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 26, 1920. Serial No. 368,961. 3 Claims. (Cl. 200—168.)



2. In an electric switch, a one-piece switch frame struck from sheet metal and comprising spaced side plates joined by marginal bridge straps at one end and having offset securing lugs at the opposite end of the side plates, together with strut lugs integral with one of said side plates and extending from the side edges thereof to the opposed side plate, in combination with oscillating members pivoted on said plates, one of said oscillating members working between the bridge straps and the other of said oscillating members working between said offset strut lugs and having its travel limited thereby.

3. In an electric switch, a switch yoke having a lug offset therefrom to form an open bearing slot, together with a switch blade carried by said yoke and secured thereto by said offset lug.

1,500,889. FOOT ACCELERATOR. ELI J. PFEIFFER, Union Grove, Wis. Filed Nov. 3, 1923. Serial No. 672,647. 2 Claims. (Cl. 74—39.)



1. An accelerating device including a rotatable rod, a crank arm at one end of the rod, a pivoted foot treadle having connection with the crank arm, a connecting arm at the other end if the rod, a connecting rod having loose connection with the outer end of the connecting arm, a second connecting rod loosely connected with the arm at one end and having its other end connected with the hand throttle of a motor, said first rod having connection with the accelerator rod of a motor, and a spring member having one end connected to a stationary part of the motor and the other end attached to the loose connection between the arm and the aforesaid rods.

1,500,890. RECLAMATION OF LOW-MELTING-POINT SALTS FROM BLACK LIQUOR. JOSEPH E. PLUMSTEAD, Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa., a Corporation of Massachusetts. Filed Dec. 15, 1923. Serial No. 681,008. 9 Claims. (Cl. 23—22.)

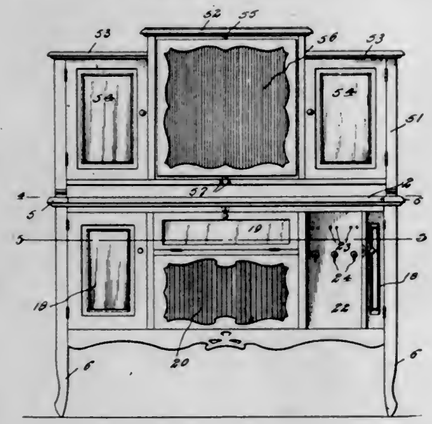
1. A process of recovering values from black liquor which includes the steps of causing said liquor to pass through heat zones of varying intensity whereby evaporation takes place and black ash is produced, said material reaching the heat zone having the maximum temperature before evaporation is complete.

1,500,891. STEPLADDER. WILLIAM R. QUEHL, St. Louis, Mo.; Cathryn E. Quehl administratrix of said William R. Quehl, deceased. Filed Dec. 23, 1922. Serial No. 608,695. 5 Claims. (Cl. 228—37.)



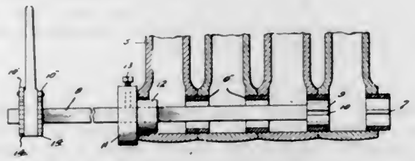
1. A ladder including a pair of sections hingedly connected together at one end, steps carried by one of the sections and each including hingedly connected sections, brace members pivotally connecting the sides of the other section and each including a pair of sections hingedly connected together, longitudinally shiftable bars connected with the steps and brace members at their hinged connections, one of the bars being provided with an opening and a pin carried by the other bar and adapted to be received in the opening, and a handle on one of the bars whereby to shift both bars longitudinally to break the hinged connection of the steps and brace members to collapse the ladder.

1,500,892. RADIOGRAFONOLA. FRANK J. RENNER, Madison, Wis. Filed Apr. 18, 1922. Serial No. 554,853. 3 Claims. (Cl. 179—100.1.)



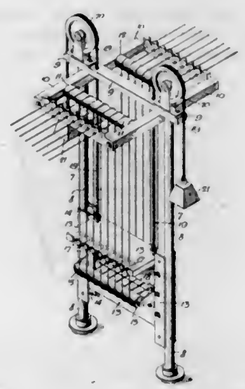
1. In combination, a phonograph mechanism including a tone arm provided with a downturned gooseneck, a radio amplifier provided with a downturned gooseneck arranged adjacent to the first mentioned gooseneck and a horn formed with an upturned gooseneck movable into and out of registration with either of said first named goosenecks, and manual means for bringing the last mentioned gooseneck into and out of registration with either of said first named goosenecks.

1,500,893. RADIATOR WRENCH. JOHN ROBERTS, Bowling Green, Ky. Filed June 19, 1923. Serial No. 646,344. 1 Claim. (Cl. 81—71.)



In a tool for removing the securing bushings between radiator sections, wherein said bushings are formed with longitudinally extending bosses, a rod adapted for projecting through said bushings, a head formed upon one end of said rod and formed with longitudinal channels for the reception of said bushing bosses, means for rotating said rod in opposite directions for the insertion or removal of the bushing, and means for limiting the inward movement of the rod with respect to the radiator sections, said means being adjustable.

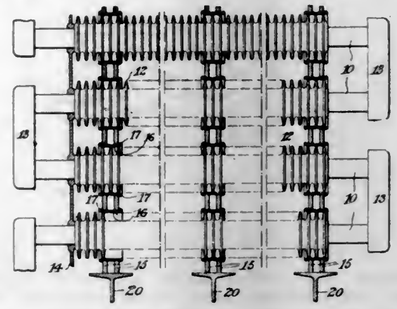
1,500,894. WARP-DYEING MACHINE. GEORGE W. ROBERTSON and WILLIAM T. HOGG, Danville, Va., EDWARD T. GARSED, Charlotte, N. C., and WILLIAM G. BENEFIELD, deceased, late of Danville, Va., by J. D. Harrison, administrator, Danville, Va. Filed Dec. 19, 1919. Serial No. 346,110. 4 Claim. (Cl. 8—19.)



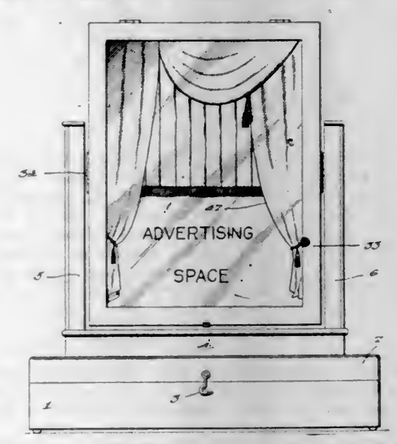
2. The method of dyeing warps, which consists in passing the warps through a boiling tank, then through a cooling tank, then through a compensator mechanism to collect and refeed any slack in the warp, and then to a dyeing tank operated at a different speed than the first mentioned tanks.

1,500,895. SUPPORT FOR CORRUGATED HEATING ELEMENTS. RICHARD H. ROVER, Dansville, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Aug. 23, 1922. Serial No. 583,772. 4 Claims. (Cl. 248—34.)

1. A support for corrugated tubular heating elements comprising a pair of spaced apertured plates, and collar-like members carried thereby and fitted in the apertures therein to support said elements, said collars having outwardly flaring flanged portions to guide the corrugated portions into the supporting collars.



1,500,896. CHANGEABLE EXHIBITOR. JOHN F. RYAN, Huntington, W. Va. Filed Sept. 21, 1923. Serial No. 664,073. 2 Claims. (Cl. 40—36.)

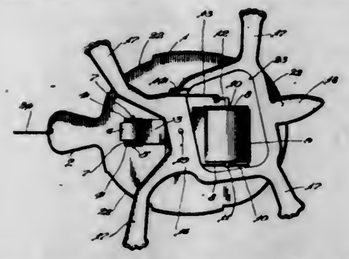


1. In a device for the purpose set forth, a base having hollow standards thereon, a housing having trunnions journaled in the standards, said housing divided into communicating compartments having cards therein shiftable upon the turning thereof and the diagonally opposed end cards movable from one into the other compartment on such turning, a cam on one of the trunnions having opposed flat faces, spring means engaging therewith when the housing is sustained in upright position, a freely mounted sprocket wheel on the second trunnion, a cam wheel fixed on said trunnion, a motor in the base, shafts driven thereby, means reducing the speed of the outer shaft, a sprocket wheel carried thereby, a sprocket chain trained therearound and around the first mentioned sprocket wheel, and said chain having outstanding pins to engage the last mentioned cam to revolve the housing.

1,500,897. FIGURE WHEELED TOY. CHARLES JOHN SLADEK, Chicago, Ill. Filed Aug. 14, 1922. Serial No. 581,727. 2 Claims. (Cl. 46—45.)

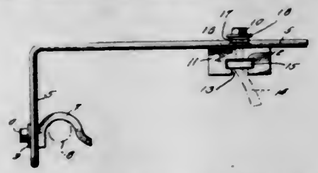
1. A toy comprising a body shaped to simulate the body of an animal, a support attached to the body, a leg assembly pivotally connected to said support, depending arms formed upon the support, shafts carried

by said arms, rollers mounted on said shafts, a crank arm formed on one of said shafts, a rod connected to said crank arm and leg assembly for oscillating the leg



assembly upon rotation of the shaft, said depending arms having instruck bosses thereon about said shafts for preventing lateral movement of the rollers.

1,500,898. LAWN-MOWER SHARPENER. FRANK SCHMOLL, Clear Lake, Iowa. Filed Mar. 14, 1923. Serial No. 625,030. 3 Claims. (Cl. 76—82.)

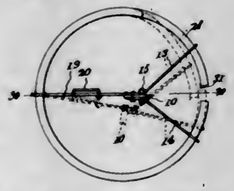


1. A device for attachment to a lawn mower including a length of rigid wire bent in U shaped formation and then bent intermediate its ends to provide an L shaped bracket, means for supporting one leg of the bracket on a lawn mower, a file holder slidably mounted on the other leg of the bracket and having a slot in its under face to receive the cutting edges of the mower blade, and a sharpening element mounted in the slot engaging the cutter edge of the cutter blade.

1,500,899. COMPOSITION FOR REMOVING PAINT AND VARNISH. ARTHUR W. SCOLES, Tulsa, Okla. Filed Aug. 14, 1922. Serial No. 584,780. 1 Claim. (Cl. 87—5.)

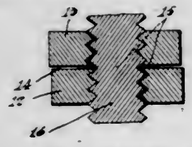
A composition for the purpose stated comprising a mixture of caustic soda 80%, ammonium carbonate 8%, and corn starch 12%.

1,500,900. RIM TOOL. WILLIAM C. SELBREDE, Billings, Mont. Filed Dec. 15, 1923. Serial No. 680,903. 1 Claim. (Cl. 157—1.)



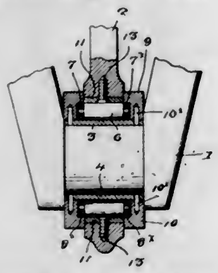
A tire rim tool comprising a hand lever, an anchoring arm pivoted at one end upon the lower portions of said hand lever and provided at its outer end with rim interlocking means for holding the anchoring arm from movement in either direction upon the rim, a pair of claws pivotally secured to the opposite sides of the hand lever and in spaced relation to the anchoring arm, said hand lever being adapted to be swung backwardly upon the anchoring arm for drawing said claws inwardly with respect to the anchoring arm and said claws having interlocking means upon their outer ends for engagement with the rim to hold the claws from movement in opposite directions upon the rim, said claws having knuckles adjacent their pivoted ends adapted to hinge at right angles to the pivot of the claws and said handle being adapted to be swung laterally and backwardly for contracting said claws and turning the same upon their pivots and upon said knuckles whereby the contraction and lateral swinging of the handle is adapted to move one end of the rim past the opposite end thereof and to subsequently overlap said ends and contract the rim.

1,500,901. LOCKED ADJUSTABLE DEVICE. HENRI A. SÉVIGNÉ, Winthrop, Mass., assignor to Security Engineers Incorporated, Lowell, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1923. Serial No. 622,288. 5 Claims. (Cl. 287—117.)



1. A device of the character described comprising male and female threaded members for the purpose of transmitting motion from one to the other, said members coacting in effecting and maintaining a variation in the length of said device, one of said members having some of its threads displaced relatively to its other threads to cause the threads of the two members to bind in interengaged relationship without requiring any additional agency to effect the binding action.

1,500,902. CRANK-SHAFT AND CONNECTION-ROD BEARING. JOHN W. SEWELL, Alton, Ill. Filed Mar. 6, 1922. Serial No. 541,384. 3 Claims. (Cl. 64—62.)

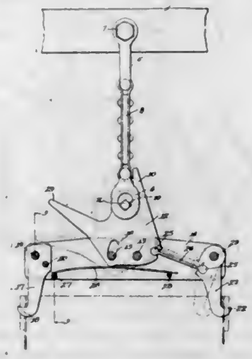


3. The combination of a crank shaft having spaced portions and an intermediate portion, of circular cross-section, between said spaced portions, a connecting rod surrounding and spaced from said intermediate portion of the crank shaft, housings surrounding the intermediate portion of the crank shaft and interposed between the sides of the connecting rod and the spaced portions of said shaft, and anti-friction means interposed between the intermediate portion of the crank shaft and the connecting rod and confined between the said housings.

1,500,903. ICE-CAN LIFTER. THOMAS SHIPLEY, York, Pa. Filed Dec. 10, 1923. Serial No. 679,791. 7 Claims. (Cl. 294—106.)

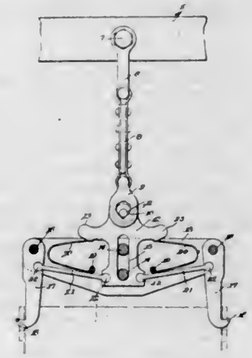
1. In an ice can lifter, the combination of a frame carrying can engaging members relatively movable toward and from each other; combined suspending and

actuating means for said frame arranged to move said members in can engaging direction, under the load of a suspended can; stop means limiting such movement;



yielding means arranged to urge said members in can engaging direction; and a part associated with the suspending means arranged to overpower said yielding means by its weight when lowered.

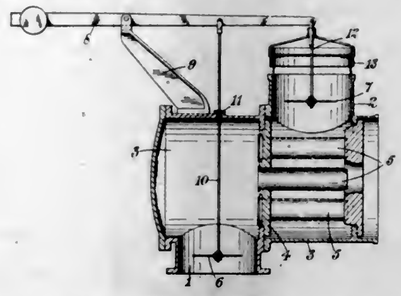
1,500,904. ICE-CAN LIFTER. THOMAS SHIPLEY, York, Pa. Filed Dec. 10, 1923. Serial No. 679,792. 4 Claims. (Cl. 294—106.)



1. In an ice can lifter, the combination of a frame; a pair of can-engaging hooks pivoted to said frame; a supporting member mounted for limited sliding movement in said frame and operatively connected with said hooks to move the same in can engaging direction under the weight of said frame; a spring assisting said motion; and suspending means for said supporting member, adapted to overpower said spring by its weight when lowered upon said supporting member.

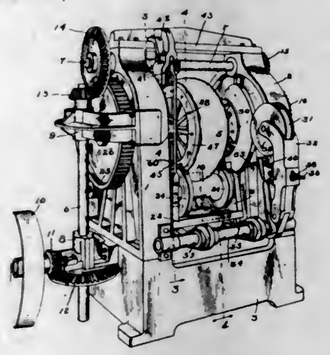
1,500,905. GAS-MIXING DEVICE. EDGAR THOMAS, Jarrow-on-Tyne, England. Filed Aug. 4, 1923. Serial No. 655,731. 3 Claims. (Cl. 48—180.)

1. In a fluid-mixing device, the combination with two conduits leading to a point of admixture of fluids conveyed through them, of flow-regulating means comprising a movable baffle located in one of said conduits, a second movable baffle located in the second of said conduits, a valve controlling the flow of fluid in the said second conduit and operatively connected to said second baffle, and means so operatively connecting the two baffles together



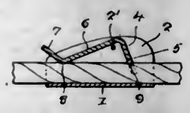
that the forces operative on the baffles under the combined opposed action of the two currents of fluid balance one another, substantially as described.

1,500,906. METAL BENDING AND SHAPING MACHINE. BERT E. THOMPSON and TEDDY A. GREEN, Indianapolis, Ind., assignors to Metal Auto Parts Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 18, 1922. Serial No. 582,713. 17 Claims. (Cl. 153—58.)



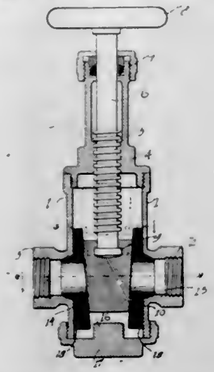
1. In a metal bending and shaping machine, a primary roller, auxiliary rollers co-operating therewith for bending a section of metal passing between the primary and auxiliary rollers, and pivot means operable by means in conjunction with the primary roller for automatically positioning one of the auxiliary rollers for causing a strip of metal to bend or extend in a straight line.

1,500,907. CLAMP. STEPHEN C. TUCKER, Atlanta, Ga., assignor of one-third to George W. Farmer, Atlanta, Ga. Filed Jan. 2, 1924. Serial No. 684,008. 1 Claim. (Cl. 24—248.)



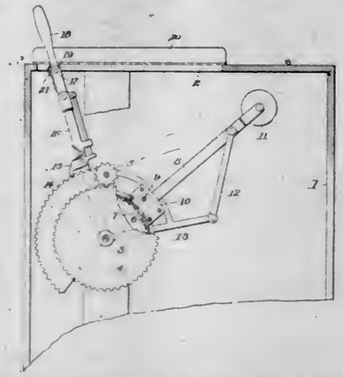
A rope clamp, as herein described, comprising a U-shaped body, a toothed jaw having trunnions journaled in the sides of the body, said jaw merging into an angle extension that in turn merges into an outward angle portion providing a handle, and the juncture between the last mentioned portions being sharpened and formed with teeth, for the purpose set forth.

1,500,908. VALVE. CURTIS A. VAN DERSON, Modesto, Calif. Filed June 17, 1921. Serial No. 478,389. 1 Claim. (Cl. 251—167.)



A valve of the class described, including a body portion, oppositely disposed co-axial inlet and outlet openings in said body, adapter seats each having a tapered sleeved opening inserted in said inlet and outlet openings, the inside faces of said seats being flat and spaced apart, a non-rotatable gate adapted to be raised and lowered between said flat faces of said adapter seats for the purpose of controlling the port area between said inlet and outlet openings, means for raising and lowering said gate and means provided for the ready removal of said adapter seats without removing said gate from its position within the body of said valve.

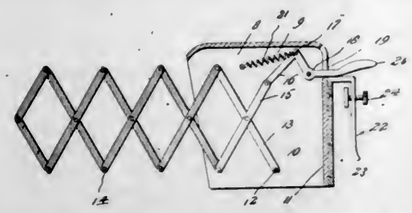
1,500,909. HAND LEVER FOR MOTOR RESETTERS. MORRIS VICTORSOHN, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,047. 4 Claims. (Cl. 185—27.)



1. The combination with a motor of the character described, of a resetting lever adapted to have a reciprocating movement, and a handle pivoted to the free end of said lever and adapted to fold over thereon in the plane of movement of said lever for the purpose specified.

1,500,910. VEHICLE DIRECTION INDICATOR. CLYDE A. WESSON, Atlanta, Ga. Filed May 28, 1923. Serial No. 641,841. 1 Claim. (Cl. 116—40.)

A direction indicator comprising a casing, a bell crank lever pivoted within the casing and having an end portion projecting beyond the side thereof, a series of lazy tong bars pivotally connected with each other, the free end of one of the terminal bars being pivoted in the casing, the free end portion of the other terminal bar which is located in the casing being shorter than the free end of the pivoted terminal lazy tong bar, a link pivotally connected with the inner end of the bell crank lever, and pivotally connected with the shorter end portion of the terminal lazy tong bar, a spring connected at one end with the pivot between the links and the bell crank lever and connected at its other end with the casing, the point



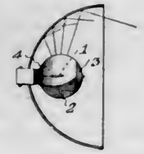
of connection between the spring and the casing being to one side and above the point of pivotal connection between the crank lever and the casing whereby when the inner end of the bell crank lever is disposed toward the point of pivotal connection between the spring and the casing, the link will be held transversely across the point of pivotal connection between the terminal lazy tong lever bar and the casing.

1,500,911. RAILWAY RAIL CONSTRUCTION. HENRY H. WHITAKER, Titusville, Fla. Filed Aug. 17, 1923. Serial No. 657,961. 2 Claims. (Cl. 238—144.)



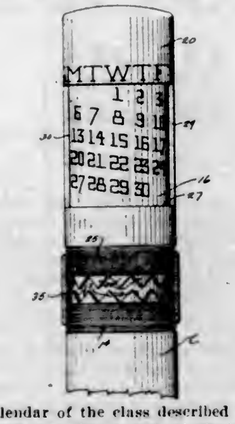
1. In a railway rail construction, the combination of a base having a shank and a recess in the upper edge of the shank at one side thereof, and also having a flange overhanging said recess, a head having a depending projection at its underside to seat in the recess of the base shank and a flange to fit under and interlock with the said flange of the base shank, a fish plate having a base flange seated in the recess in the base and also having a concavity at its inner side opposed to the inner side of the base shank and an upper portion bearing against the side of the projection on the head remote from the overhanging flange of the base shank, and connections extending through the shank of the base and the fish plate and entirely clear of the head.

1,500,912. LAMP FOR VEHICLE HEADLIGHTS AND THE LIKE. LEWIS GARFIELD WILLIAMS, Godrergraig, Wales. Filed Oct. 23, 1923. Serial No. 670,318. 1 Claim. (Cl. 176—16.)



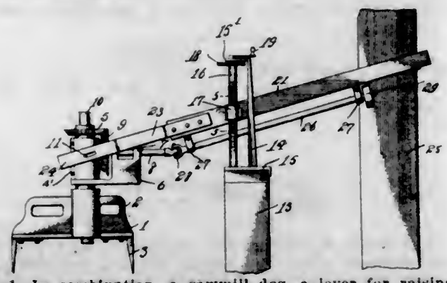
A bulb for use with a parabolic reflector having a coating of an opaque substance upon one side wall thereof, and a coating of red ray absorbing substance upon its remaining surface, the latter coating having a maximum density at the base and nose of the bulb and at the intermediate portion of said remaining surface decreasing in density from the base to the nose.

1,500,913. PERPETUAL CALENDAR. DONALD R. ADAMS, Anchorage, Alaska. Filed May 22, 1923. Serial No. 640,751. 2 Claims. (Cl. 40—108.)



1. In a calendar of the class described the combination of a cylindrical shaped supporting body having the upper end thereof annularly reduced and at the juncture of said annularly reduced portion with the body, the latter having substantially V-shaped teeth annularly arranged about the body, said body being screw threaded adjacent said teeth, means carried by the reduced portion designating a set of numerals arranged in the form of a calendar month, a sleeve member for receiving therein the reduced portion of said cylindrical body, said sleeve member having a transverse opening therein with indicia arranged along an edge of said opening representative of the days of the week, the sleeve member when receiving the reduced portion of the cylindrical body therein, having a set of numerals of the reduced portion displayed through said opening in the form of a calendar month having a predetermined number of days therein with the first day of the month selectively falling on a particular day of the week as designated by the indicia on said sleeve, said sleeve at an end thereof having substantially V-shaped teeth extending therefrom for interengagement with the teeth of said body, said sleeve adjacent said teeth having screw threads thereon oppositely threaded with respect to the threads of said body, and a coupling band internally screw threaded in opposite directions from the ends thereof adapted for threaded engagement with the threads of the cylindrical body and said sleeve whereby upon rotation of said coupling band the teeth of the sleeve and body may be forced into locking engagement for maintaining the sleeve in a desired relation upon the reduced portion of said cylindrical body.

1,500,914. SAWMILL-DOG HANDLING AND OPERATING MECHANISM. JAMES C. ADAMS, McColl, S. C. Filed July 13, 1922. Serial No. 574,702. 4 Claims. (Cl. 143—126.)

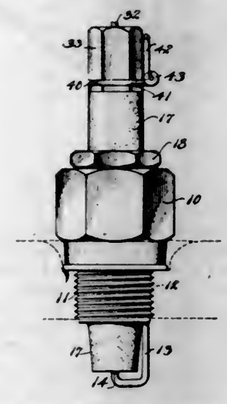


1. In combination, a sawmill dog, a lever for raising and lowering the sawmill dog, said sawmill dog being mounted rotatably on one end of the lever, a post situated adjacent the other end of the lever, a shaft rotatable on the lever, a wheel on the shaft adapted to be placed in and out of engagement with the post for rotation thereof upon movement of the lever, and means actuated by the shaft for rotating the sawmill dog.

1,500,915. DYES AND PROCESS OF MAKING SAME. ROBERT ARNOT, Bushey, England. Filed Aug. 31, 1921. Serial No. 497,353. 10 Claims. (Cl. 260—86.)

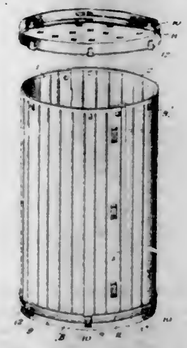
3. The process which comprises distilling a resin with lime, nitrating the phenol-like body formed thereby, reducing the resulting nitro compound to an amino compound, diazotizing the resulting amino compound and coupling the resulting dinzo compound with another compound to form an azo dye.

1,500,916. SPARK PLUG. WILLIAM L. BARRON, Oklahoma City, Okla. Filed Apr. 27, 1923. Serial No. 635,082. 4 Claims. (Cl. 123—169.)



1. In a spark plug, a supporting shell provided with an electrode, an insulating sleeve arranged within said shell and projected beyond the lower end thereof, a tubular electrode within said sleeve, a valve casing mounted upon said electrode at its upper end, a tensioned valve in said casing controlling an air intake to said tubular electrode and having an extended operating stem, and a cap carried by said valve casing to partially enclose and guide the extended end of the valve stem.

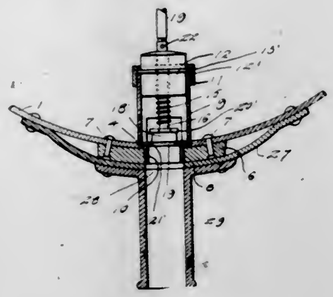
1,500,917. BARREL CONSTRUCTION. ROBERT J. BELL, Richmond, Va., assignor to Economy Barrel Corporation, Richmond, Va., a Corporation of Virginia. Filed Mar. 2, 1923. Serial No. 622,361. 2 Claims. (Cl. 220—5.)



1. A barrel comprising a body formed of sections, hooks on one edge of each section, hook receiving parts on the abutting edge of the adjacent section, each part being

formed by slitting the metal twice and punching the part between the slits inwardly, teats on each section and holes in the sections for receiving the teats, end pieces for the barrel and means for detachably connecting them with the body.

1,500,918. OUTLET VALVE. PHILIP W. BOLTON and WILLIAM N. MINNIEAR, Coffeyville, Kans., assignors of one-fifth to George D. Minnlear, one-fifth to Noal G. Ryman, and one-fifth to Bertha Bolton, all of Coffeyville, Kans. Filed Nov. 30, 1920. Serial No. 427,316. 3 Claims. (Cl. 137—21.)



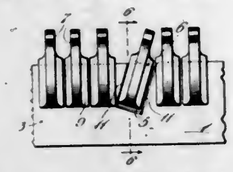
1. In combination, a car tank having an outlet opening, a valve casing secured in said opening and having inlet openings and a discharge neck, a reinforcing plate secured to the tank and having an opening to receive the discharge neck, a second plate secured to the tank and overlying the reinforcing plate and having an opening in alinement with the discharge neck, a nozzle secured to said second plate and in alinement with the discharge neck, and a valve in said valve casing.

1,500,919. HAIR CURLER. CURTIS E. BRADBURN, Garden City, Kans., assignor of one-half to Charles Rewerts and one-half to Julia Bradburn, both of Garden City, Kans. Filed Dec. 3, 1923. Serial No. 678,268. 5 Claims. (Cl. 132—42.)



2. A hair curler including a body portion, a hair retaining tongue adapted to extend longitudinally thereof, a floating pivotal connection between the tongue and body portion, cooperating means upon the tongue and body portion for fastening the tongue against movement relative to the body portion, and elastic, supplemental hair retaining means.

1,500,920. GRATE SECTION. WILLIAM F. BRADLEY and JOHN W. HULSON, Keokuk, Iowa, assignors to Hulson Grate Company, Keokuk, Iowa. Filed Nov. 15, 1923. Serial No. 674,940. 2 Claims. (Cl. 126—180.)



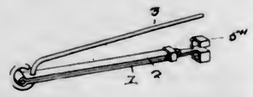
1. A grate section comprising a bar having a longitudinal rib on one vertical side and a shallow recess in its opposite vertical side, said recess being inclined with respect to the axis of said bar and opening through the upper edge of said bar, and a transverse finger member having a pair of depending legs adapted to straddle said bar, said legs being spaced apart a distance substantially equal to the horizontal distance between said sides of the bar exclusive of said rib, the inner side of one leg having a transverse groove to receive the aforesaid rib, the other leg being of a width for reception in the aforesaid shallow recess when the finger is inclined with respect to the axis of the bar, said recess extending horizontally into the bar a sufficient distance to permit said leg to clear said rib when said other leg is in said recess.

1,500,921. FLEXIBLE PIPE LINE. MOGENS LOUIS BRAMSON, JAMES HANSON, and THOMAS BETHELL CALDWELL, Stafford, England. Filed June 21, 1919. Serial No. 305,817. 2 Claims. (Cl. 285—92.)



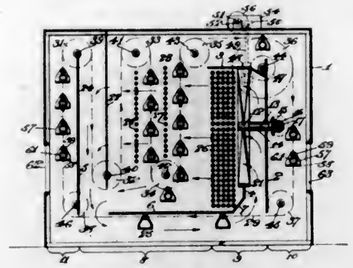
1. A flexible pipe comprising rigid pipe sections, a cup member disposed at the end of one section, a portion of a ball disposed at the adjacent end of the adjoining section having a flat inner end, a flat flexible and distortable washer of rectangular cross section disposed on said flat inner end and forming an extension of the ball portion said washer being open to the pressure in the pipe line, the adjacent rigid pipe section of the ball portion extending through said ball portion and constituting a spigot over which the said flat flexible distortable washer is positioned, and a bearing ring adapted to engage the open end of the cup member and force the ball member into operative engagement with the interior face of the cup member so that the peripheral edge of the flexible washer conforms to the curvature of such interior face.

1,500,922. HAIR CURLER. HARRIET L. BRANN, Des Moines, Iowa. Filed Aug. 15, 1923. Serial No. 657,584. 3 Claims. (Cl. 132—41.)



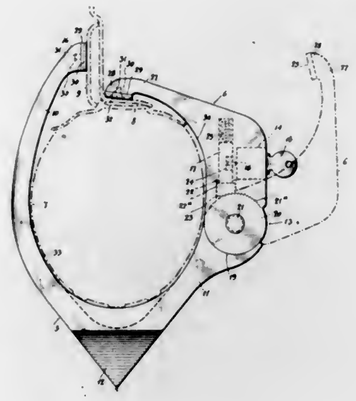
1. A device of the class described comprising a pair of jaw members, a clip for holding the jaw members together, a hook on one of the jaw members, a member hingedly connected with the jaw members and adapted to have its free end placed under the hook.

1,500,923. DRYING APPARATUS. JOSEPH L. BUCKLEY, Trenton, N. J., assignor, by mesne assignments, to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1920. Serial No. 367,108. 11 Claims. (Cl. 34—12.)



1. Apparatus of the character described comprising, an enclosure, carrier means for transporting articles to be dried through said enclosure in a course including substantially vertical elements, a fan located at one side of a majority of the said elements for generating an air current in a substantially horizontal direction, heating means between the fan and the said majority of elements, and heating means between other elements.

1,500,924. THEFT WARNING SIGNAL OR WHEEL LOCK FOR VEHICLES. WILLIAM E. CHADWICK and JOHN A. CREIGHTON, Los Angeles, Calif., assignors to Gustavus Edward Westberg, Los Angeles, Calif. Filed May 5, 1923. Serial No. 636,940. 10 Claims. (Cl. 70—90.)



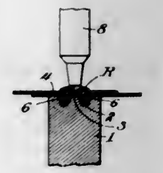
2. A device of the class specified comprising tire embracing arms having ends pivotally connected to form a hinge and one of the arms provided with a road surface engaging point, the upper end of one arm being shaped to engage the side portion of a wheel and the upper end of the remaining arm disposed at an angle for downward engagement with relation to another part of the wheel and rim, and means for releasably locking the device in closed position.

1,500,925. MOISTENER. GEORGE D. COLEMAN, Atlanta, Ga. Filed Sept. 14, 1923. Serial No. 662,778. 1 Claim. (Cl. 91—54.4.)



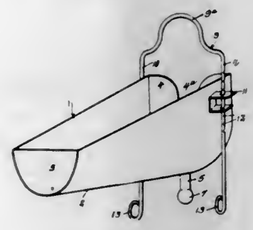
A moistener of the character described comprising a sponge, and a holder therefor, said holder being formed from a single length of bendable material and reversely bent at both ends to define an open finger receiving portion and a clamp for securing the sponge to the holder.

1,500,926. ANVIL. CHARLES M. CURRY, Tulsa, Okla. Filed Oct. 7, 1918. Serial No. 257,185. 3 Claims. (Cl. 218—1.)



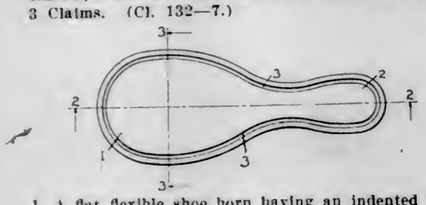
1. An anvil or die for forcing tubular rivets through sheets of material to be fastened together, and upsetting the same, the working end or face of said anvil or die having an annular curved groove or recess therein, leaving a tapering central stud and a surrounding surface, the outer ends of which are substantially flat and flush with each other, the external diameter of the outer end of the stud and the internal diameter of the tubular rivet to be upset being approximately the same, whereby to cause a sheering action between the stud and rivet upon the material to be riveted, thereby causing the rivet first to cut its own way through the material and then have its cutting end upset.

1,500,927. EAR BASIN. FREDERICK A. DAVIES and CARL L. ROGERS, Wilkinsburg, Pa. Filed Aug. 26, 1922. Serial No. 584,438. 4 Claims. (Cl. 128—275.)



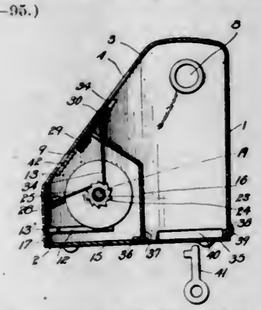
1. In a device of the character described, a receptacle adapted to fit behind and about the lower portion of a person's ear, and a member adjustably secured to the receptacle and adapted to fit about the upper portion of the ear and co-operating with said receptacle for holding the same in position upon and about the ear.

1,500,928. LEATHER SHOEHORN. JOHN H. DAVIS, Covington, Ky., assignor to Robert P. Hargitt, Cincinnati, Ohio. Filed Apr. 16, 1923. Serial No. 632,222. 3 Claims. (Cl. 132—7.)



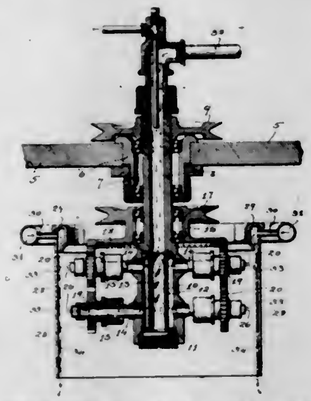
1. A flat flexible shoe horn having an indented border substantially as and for the purpose described.

1,500,929. BANK. PAUL A. HOLMES, Kansas City, Mo. Filed Feb. 10, 1922. Serial No. 535,621. 2 Claims. (Cl. 194—95.)



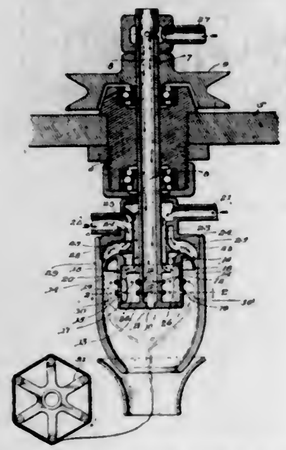
1. A bank comprising a housing having coin slots and windows therein, a registering mechanism case within the housing and having an open face adjacent to the windows, a transverse bar secured to the case, upstanding flexible strips carried by the bar and fulcrumed against the edge of the case, depending pawls carried by the upper ends of the strips, the upper ends of the strips terminating above the bottoms of the coin slots, wheels within the case, ratchets on the wheels for engagement with the pawls, a transverse bar in front of the wheels having pawls for engagement with the ratchets to prevent retrograde movement thereof, and means for removably securing the case within the housing.

1,500,930. APPARATUS FOR FORMING AND TWISTING THREADS. JAMES P. HOOPER, Ruxton, Md., assignor to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 18, 1922. Serial No. 554,723. 14 Claims. (Cl. 18—8.)



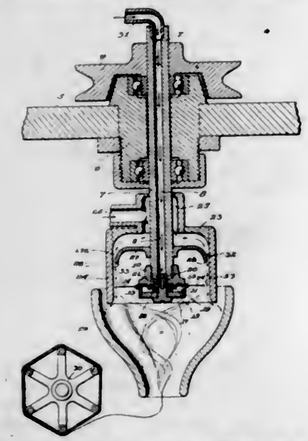
1. A mechanism for forming threads including a spinneret having a thread-discharge outlet, means for supplying a thread-forming material to the spinneret and means for rotating the spinneret and simultaneously moving the rotating spinneret through a circular path to impart an orbital movement thereto while the material is being discharged in the form of a thread.

1,500,931. CENTRIFUGAL SPINNERET. JAMES P. HOOPER, Ruxton, Md., assignor to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 23, 1922. Serial No. 538,733. 14 Claims. (Cl. 18—8.)



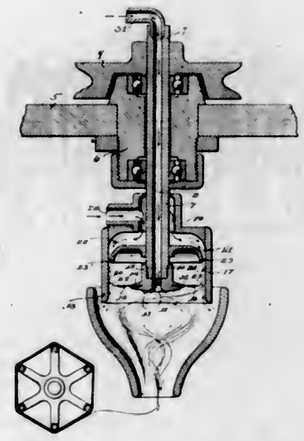
1. A mechanism for forming threads including a rotating member having a plurality of passages through a wall thereof, means for supplying a thread-forming substance to said member, means for rotating said member at a rate of speed to contrifugally discharge said substance through said passages in the form of threads, means for maintaining a wall of setting solution around the rotating member and means for twisting the threads together.

1,500,932. APPARATUS FOR PRODUCING THREADS. JAMES P. HOOPER, Ruxton, Md., assignor to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 23, 1922. Serial No. 538,734. 16 Claims. (Cl. 18—8.)



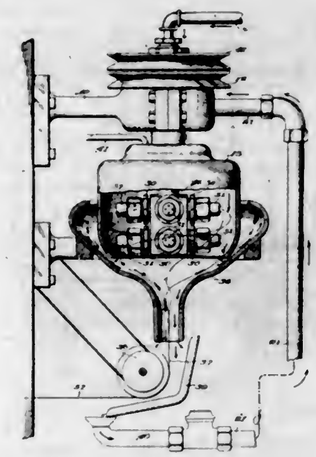
1. A mechanism for forming threads including a plurality of needles, revolving means for rapidly moving the needles through a circular path and means for supplying a thread-forming solution to said needles as they move to be ejected by centrifugal force.

1,500,933. THREAD-FORMING APPARATUS. JAMES P. HOOPER, Ruxton, Md., assignor to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 23, 1922. Serial No. 538,735. 12 Claims. (Cl. 18—8.)



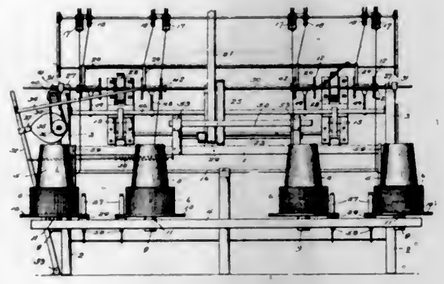
1. A mechanism for forming threads including a rotating head, a series of needles moving with the head and means for flowing a thread-forming solution over an exterior surface of the head to feed the same to the needles.

1,500,934. SPINNERET. JAMES P. HOOPER, Ruxton, Md., assignor to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 23, 1922. Serial No. 538,736. 11 Claims. (Cl. 18—8.)



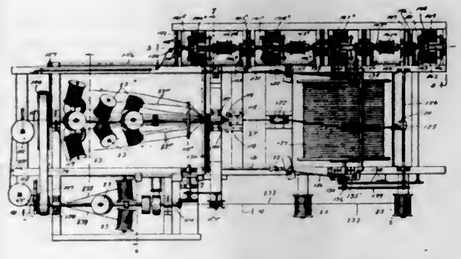
1. A device for forming threads including a plurality of radially arranged suspended nozzles with means for rapidly moving the same through a circular path, means for supplying a thread-forming material to said nozzles to be ejected therefrom by centrifugal force in the form of continuous threads as the nozzles are moved and means for setting the ejected threads.

1,500,935. MACHINE FOR WINDING WIRE UPON SPOOLS. AMASA G. HOOVENS, Goshen, Ind. Filed May 26, 1923. Serial No. 641,635. 3 Claims. (Cl. 247—25.)



1. In a machine for winding wire upon spools, a plurality of vertical take-off drums, a plurality of horizontal receiving spools, an overhead frame having guide pulleys located above said drums and spools and adapted to guide the wire from the drums over and downwardly to said spools, means for rotating said spools to thereby feed the wire from the drums, means for distributing the wire upon the spools including a horizontal reciprocatory bar located below said pulleys and above and common to and having arms extending over said spools, and means for reciprocating said bar including an operating lever located at one end of the machine.

1,500,936. MACHINE FOR MANUFACTURING WIRE CABLE. AMASA G. HOOVENS, Goshen, Ind. Filed Sept. 24, 1923. Serial No. 664,455. 4 Claims. (Cl. 117—17.)

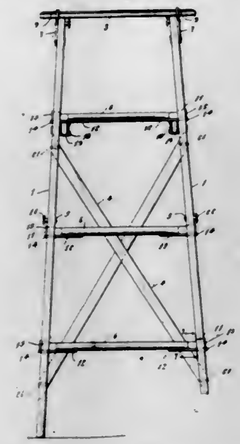


1. In a machine for twisting wire strands or subsidiary ropes to form a still larger rope, means for supplying a plurality of core strands or ropes, means for supplying wire strands or ropes and twisting the same around said core strands to form an outer wrapping, and means for positively and evenly feeding said core strands from their take-off spools adapted to prevent the twisting of the core strands and to hold them straight.

1,500,937. KNOCKDOWN STEPLADDER. GEORGE F. HOTOPP, Cincinnati, Ohio. Filed Dec. 13, 1923. Serial No. 680,499. 4 Claims. (Cl. 228—57.)

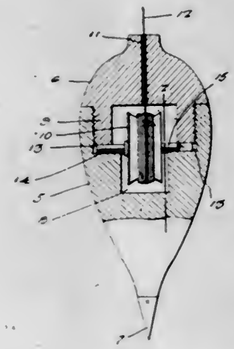
1. In a ladder of the character described, uprights provided with slots in the length thereof, clips secured to the rungs and each provided at its outer end with a crosshead which is adapted to pass through a slot of

the upright and to be turned to assume a position crosswise thereof and on the opposite side of the upright



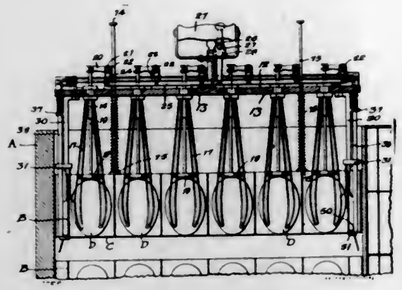
from the end of the rung to secure the rung to the upright, and a lock secured to the upright and engaging the crosshead of the clip to prevent movement thereof.

1,500,938. PLUMB BOB. JOHN R. HOWARD, Redwood City, Calif., assignor of one-fourth to Daisy Fanning, Cooperstown, N. Y. Filed Oct. 16, 1923. Serial No. 668,884. 2 Claims. (Cl. 33—217.)



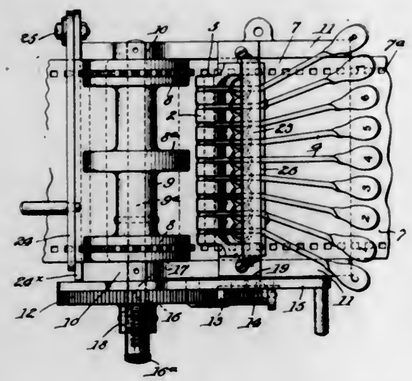
1. A plumb bob having a drum rotatably mounted therein, a spring for rotating said drum in one direction to wind a plumb line thereon, centrifugally operable means for arresting rotation of said drum in its opposite unwinding movement upon the rotation of the drum in the last mentioned direction attaining a predetermined speed, said last named means being operable to maintain the drum against rotation for preventing unwinding of the plumb line from the drum when the plumb bob is out of contact with the supporting surface and its weight imposed upon said line, whereby the occurrence of slack in the line is prevented, means to automatically release said arresting means upon relieving the plumb line of the weight of said bob, said bob comprising upper and lower sections detachably joined, the lower section having transversely aligned grooves, and means for mounting the drum within the bob embodying a transverse shaft having its ends removably seated in said grooves respectively.

1,500,939. EGG-CRATE UNPACKING AND REPACKING APPARATUS. DAVID A. HOWELL, Brooklyn, N. Y. Filed Mar. 20, 1923. Serial No. 626,437. 11 Claims. (Cl. 294—87.)



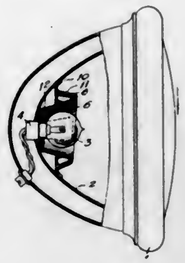
1. An egg crate packing and unpacking device comprising a member, means carried by said member for engaging and supporting the eggs therefrom, means carried by said member for engaging and supporting the filler elements therefrom, independent means for releasing the egg and the filler element engaging and supporting means, and means carried by said member for stripping the filler elements from the eggs when said filler element engaging and supporting means is released.

1,500,940. PUNCH MECHANISM FOR MAKING PATTERN STRIPS. KENNETH HOWIE, Norristown, and WILLIAM O. TAYLOR, Limerick, Pa., assignors to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1923. Serial No. 619,415. 10 Claims. (Cl. 164—112.)



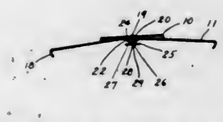
1. In combination in a machine for punching strips for use as pattern bands, a series of punches arranged in line transversely across the path of the strip, a guide for the strip, finger levers pivotally mounted, spring plungers operated by the finger levers, and feed means for the strip, comprising toothed members to engage openings along the margins of the strip, and means for operating said feed members manually and independent of the operation of the finger levers, either step by step, or continuously, substantially as described.

1,500,941. GLARE PREVENTER FOR HEADLIGHTS. ROBERT HAMILTON IRELAND, Richmond Hill, N. Y., assignor of one-half to George Seaman, Union Hill, N. J. Filed Apr. 7, 1923. Serial No. 630,545. 3 Claims. (Cl. 240—48.6.)



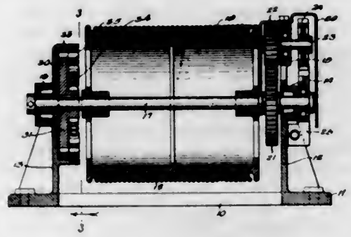
1. A glare preventing device for headlights, comprising an opaque cup-shaped member having apertures in the side walls, and an apertured ring substantially radiating rearwardly from the top of said member, the apertures in the ring and the cup-shaped member being staggered.

1,500,942. SWIMMER'S FOOT AID. ALBERT B. JOHNSON, Hartford, Conn. Filed Aug. 23, 1923. Serial No. 659,016. 1 Claim. (Cl. 9—21.)



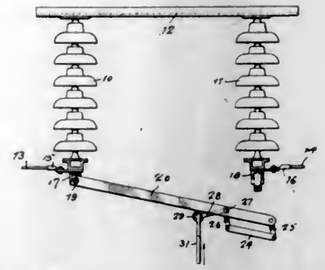
A swimmer's foot-aid comprising a longitudinally directed supporting plate, a wing structure on the under side of said plate, and a backing plate on the under side of said wing structure, said wing structure comprising a middle plate and a pair of wings connected individually to the opposite lateral edges thereof, said backing plate having flanges for cooperating with said wings as back-stops, and said middle plate, wings, and backing plate being made of sheet metal.

1,500,943. FIRE ESCAPE. JEAN D. JOLKOVSKI, New York, N. Y. Filed July 12, 1923. Serial No. 651,124. 3 Claims. (Cl. 254—151.)



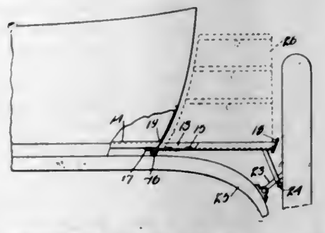
1. A fire escape comprising a frame, a shaft rotatably mounted in the frame, a drum fixed to the shaft, a cable for winding on the drum, an escapement device mounted on the frame and connected to the drum for controlling the unwinding of the cable, and a governor attached to the shaft co-operating with the escapement device to control the speed of rotation of the drum during the unwinding of the cable.

1,500,944. ELECTRIC SWITCH. MARVIN R. KIMBRELL, Charlotte, N. C., assignor, by mesne assignments, of one-half to Memco Engineering & Manufacturing Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 546,002. 5 Claims. (Cl. 200—169.)



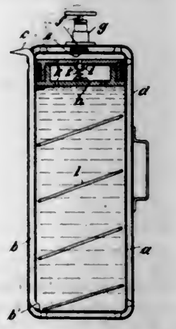
1. An electric switch having a movable blade, latching means engaging the blade to hold it in circuit closing position, and a latch-freeing member mounted on the blade and having a parallel ruler motion with respect thereto.

1,500,945. LUGGAGE CARRIER FOR VEHICLES. WILLIAM A. KING, Seattle, Wash. Filed May 24, 1923. Serial No. 641,203. 8 Claims. (Cl. 224—29.)



1. A disappearing luggage carrier for vehicles comprising a rack slidably mounted at the rear of a vehicle body, a stop at the front end thereof to limit its rearward movement, a member at the rear end matching and forming a continuation of the outer covering of the body, and a lock for securing the rack with the said member in matching position, substantially as set forth.

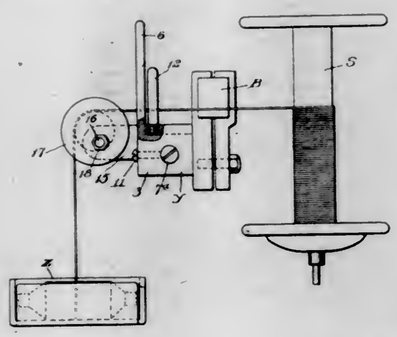
1,500,946. PORTABLE FIRE EXTINGUISHER. FRIEDRICH EMIL KRAUSS, Schwarzenberg, Germany. Filed May 4, 1923. Serial No. 636,746. 4 Claims. (Cl. 169—31.)



1. In a fire extinguisher operating with a liquid under gas pressure, the combination of a receptacle containing the liquid, a pressure gas container in communication with

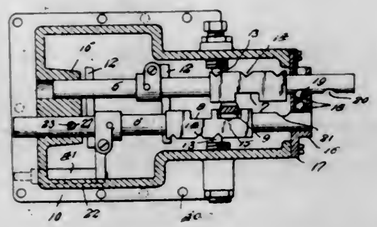
said receptacle, a piston between the liquid and the inlet for the gas under pressure and a pressure actuated valve in said piston.

1,500,947. THREAD GUIDE. HENRY N. LESSARD, Manchester, N. H. Filed July 5, 1923. Serial No. 649,558. 8 Claims. (Cl. 242—157.)



1. A guide of the class described comprising two sections, means for adjusting the same one with respect to the other, said sections being provided with upstanding blades providing jaws between which a thread is adapted to be disposed, and an upstanding guiding post carried by one of the sections, a side of the guide post being substantially aligned with the inner edge of one of the blades.

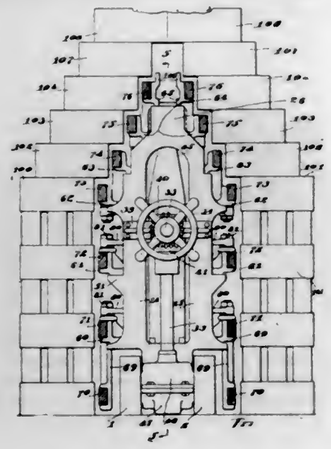
1,500,948. GEAR-SHIFT LOCK FOR AUTOMOBILES. ALBERT R. LONG, Ranshaw, Pa. Filed July 31, 1923. Serial No. 654,820. 6 Claims. (Cl. 70—126.)



1. In combination with the sliding rods of a motor vehicle gear shifting mechanism respectively movable in opposite directions for meshing the reverse and high speed gears of the transmission, and a gear shift lever selectively engageable with said rods for sliding the same one at a time, of means for permitting movement of one of the rods in one direction for meshing the reverse gear and for permitting subsequent movement of the other rod for meshing the high speed gear without disturbing the reverse gear, means to automatically lock the first named rod against movement with the reverse gear in mesh when the other rod is moved for meshing the high speed gear, and a manually operable lock for preventing movement of said other rod when positioned for meshing the high speed gear.

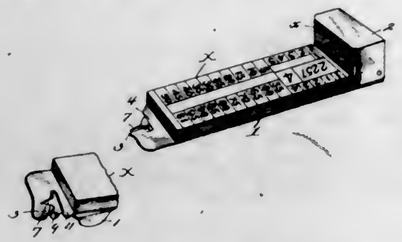
1,500,949. COLLAPSIBLE ARCHFORM FOR BRICK-KILNS. GRAFTON E. LUCE, Chicago, Ill. Filed Apr. 5, 1923. Serial No. 630,136. 16 Claims. (Cl. 25—132.)

1. Apparatus of the kind described, consisting in a form for setting arches in a brick kiln, having brick engaging and aligning means for both sides and top of the arch, in combination with means to withdraw the brick engaging members before the form is removed from the arch, said



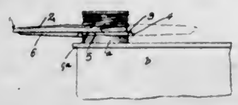
withdrawing means simultaneously drawing inwardly and downwardly the brick engaging members.

1,500,950. CHECK-NOTCHING DEVICE. WILLIAM H. MCFALL, Philadelphia, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1922. Serial No. 538,175. 6 Claims. (Cl. 33—198.)



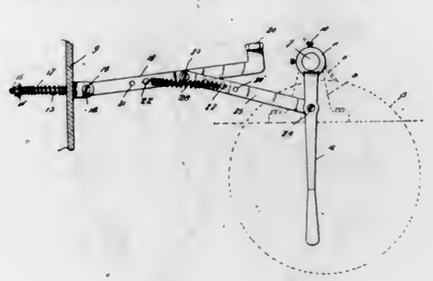
1. A check notching device comprising a support having a platen formed thereon, and a cooperative notching member pivotally connected to the support to swing edgewise on one side thereof and having a notching tongue arranged to overlie the platen on the opposite side of the support and movable toward and from said platen during said swinging movement of the member.

1,500,951. POURING SPOUT. JOHN A. MCGHEE, McKees Rocks, Pa. Filed June 6, 1921. Serial No. 475,390. 3 Claims. (Cl. 221—23.)



3. In a pouring spout, a sheet metal body provided at its inner end with a collar of inverted U-shape in cross-section, the inner element of said collar being vertically disposed and adapted to fit about a can nozzle, said inner element of the collar due to its inherent resiliency being held in close contact with the cam nozzle so as to grip the same frictionally and form a tight closure about the nozzle.

1,500,952. DOCTOR CONTROLLER FOR PAPER-MACHINE DRIERS. JOHN J. MALICKE, Wisconsin Rapids, Wis. Filed Mar. 24, 1923. Serial No. 627,511. 2 Claims. (Cl. 92—74.)



1. In combination with a paper machine doctor, a lever keyed upon one end of the doctor shaft, an arm resiliency connected to the machine frame, a link connection between said arm and said lever, and means between said link, and said arm for maintaining the doctor in an operative position.

1,500,953. SAFETY RAZOR. MACE LOWRANCE MASTERS, Mount Ulla, N. C. Filed Dec. 13, 1921. Serial No. 522,110. 6 Claims. (Cl. 30—12.)

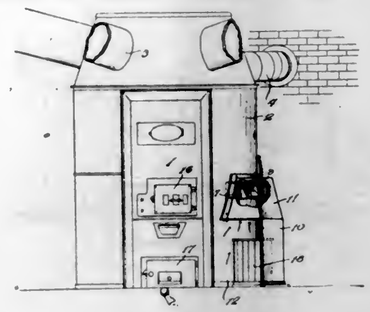


1. A safety razor including a handle, a guard forming a continuation of and located in the plane of the handle and having a guideway in one face thereof, a backing plate, a blade interposed between the guard and backing plate, locking means carried by the backing plate and extending through said blade and guard, and means slidably mounted in the guideway of the guard adapted to engage said locking means for locking all of said parts against relative separation and exerting tension on the blade.

1,500,954. MANUFACTURE OF LEAD ALLOYS. WALTHER MATHESIUS and HANS MATHESIUS, Charlottenburg, Germany. Filed Oct. 21, 1922. Serial No. 596,128. 9 Claims. (Cl. 204—19.)

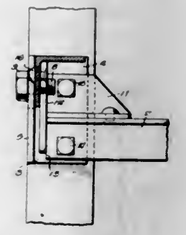
1. An alloy containing lead as its major constituent together with smaller amounts of an alkali-forming metal and copper, such copper being added in the form of a compound thereof with an alkali-forming metal.

1,500,955. DUST REMOVER. WILLIAM A. MATZ, Clinton, Iowa. Filed July 31, 1923. Serial No. 654,909. 1 Claim. (Cl. 126—242.)



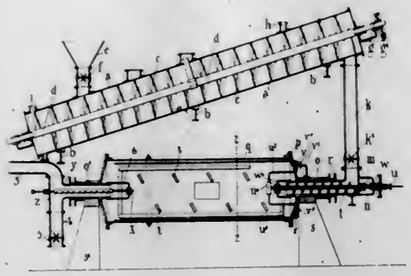
The combination with a furnace having an opening in its side establishing communication with the fire-box of the furnace at a point removed from the fuel door, of a tube enclosing and extending laterally from said opening, a closure hinged at the upper edge of the outer end of said tube and adapted to entirely cover the outer end of the tube, a housing secured to the side of the furnace and including an upper hood completely housing said tube and the closure therefor and having an open bottom below the tube, the lower portion of said housing extending from the lower edge of the hood to the floor upon which the furnace rests and having its front side open to admit a receptacle, and a rack bar pivoted to said closure and extending therefrom through the top of the hood and engageable with the top of the hood to support the closure in open position.

1,500,956. BED CONSTRUCTION. ANASTASIO MESTAS, Mexico, Mexico. Filed Oct. 2, 1923. Serial No. 666,136. 2 Claims. (Cl. 5—294.)



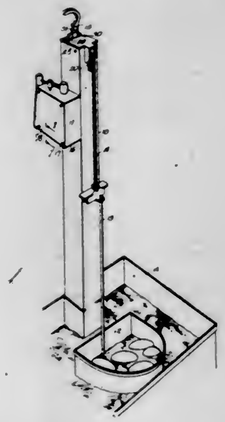
1. A bed construction which includes a post, a clamping plate attached thereto having a right-angle, slotted wing portion, an angle head rail attached to said post and bearing against said clamping plate, the end of the head rail being spaced slightly from the wing portion of the clamping plate, the slot in said wing portion being inclined downwardly and inwardly toward the post, a side rail having a headed stem projecting from the end thereof, said stem adapted to lie in said slot, and a guiding plate on the end of the side rail having a lateral and an end surface of substantial length, said end surface adapted to bear against the clamping plate within the space between the end of the head rail and wing portion of the clamping plate, to prevent relative movement of the side rail with respect to the clamping plate, the lateral surface of said guiding plate adapted to bear against the vertical and horizontal faces of the end of the angle head rail to prevent relative movement between the head rail and the side rail.

1,500,957. APPARATUS FOR EXTRACTING OIL, FATS, AND WAXES, AND FOR CONDITIONING MAIZE AND OTHER GRAIN. JOSEPH NIELD, Salisbury, South Rhodesia, South Africa. Filed May 1, 1924. Serial No. 710,464. 3 Claims. (Cl. 87—6.)



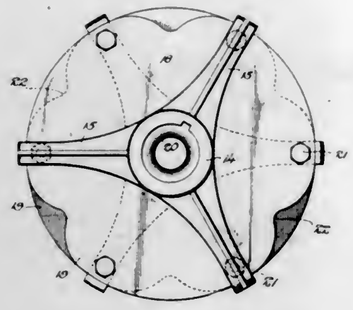
1. An apparatus for the continuous extraction of oils, fats, waxes and the like from materials containing the same and the simultaneous recovery of solvent from the treated material, comprising an inclined extraction cylinder, means for feeding material to be treated thereto, a screw conveyor having a hollow shaft within said cylinder for conveying material upwardly through the cylinder, means permitting the introduction of solvent at the upper end of said cylinder whereby the solvent is caused to travel in a counter-current to and in contact with the material under treatment, a rotary heated solvent recovery cylinder in communication with the extraction cylinder, said recovery cylinder having a hollow trunnion at each end, means for feeding the material into one end of said cylinder through one of the hollow trunnions as well as affording access for a heating medium thereto, discharging means at the other end of said cylinder in the other trunnion and means for separately discharging spent material and solvent therefrom.

1,500,958. EGG BOILER. ANGELO CESARE PARODI, Jersey City Heights, N. J. Filed Nov. 24, 1923. Serial No. 676,817. 5 Claims. (Cl. 161—16.)



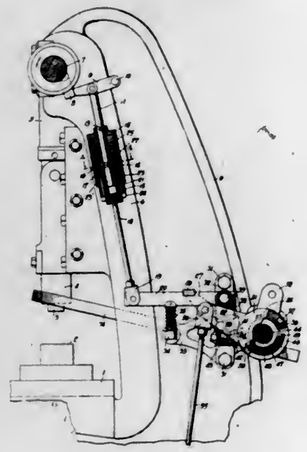
1. In an egg boiler of the type including a boiling vessel, and a basket to be positioned in said vessel or lifted therefrom as well as having clockwork controlling the lifting of the basket and disposed in the vertical plane of the boiling vessel; a clockwork box having a front cover and a bottom member, said bottom member formed with a lip overlapping and extending beneath the edge of said cover, to prevent the direct entrance of steam when the box expands when heated by the steam from the boiling vessel.

1,500,959. FLEXIBLE COUPLING. JOHN N. POWERS, Washington, D. C. Filed Mar. 29, 1922. Serial No. 547,878. 12 Claims. (Cl. 64—96.)



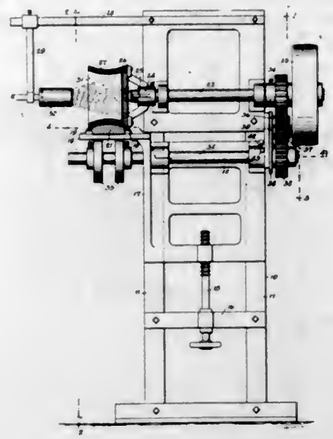
1. A shaft coupling comprising driving and driven elements, and a flexible connection between said elements consisting of an annular member having relatively spaced end portions, means securing both of said end portions to each of said driving and driven elements, and means independent of said securing means mutually and positively connecting said end portions.

1,500,960. POWER-PRESS GUARD. EDWARD C. REGAN, New Haven, Conn. Filed Nov. 11, 1920. Serial No. 423,406. 6 Claims. (Cl. 192—134.)



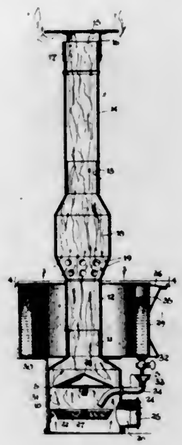
1. A guard mechanism for power presses, comprising a guard ring, means for actuating said guard ring, resilient connections between the actuating means and the guard ring, means for locking the actuating means at a predetermined point in its movement, and power-releasing means operative during the movement of the locking means.

1,500,961. EMBOSSING MACHINE. EDWIN HENRY REIBER, West Webster, N. Y. Filed Feb. 20, 1923. Serial No. 620,271. 5 Claims. (Cl. 101—8.)



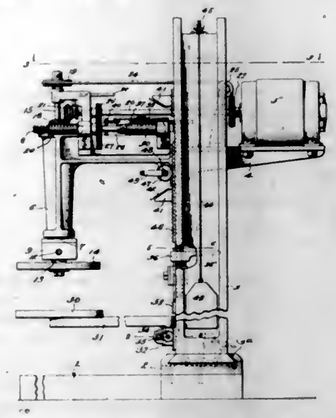
1. In an embossing machine, a roller having an embossing surface and an open end, means for feeding a slab into engagement with said embossing surface, and a heating element arranged to project a flame into the open end of said roller to heat the same.

1,500,962. ORCHARD HEATER. FRANK LOUIS SLEZINSKY, Kingsville, Tex. Filed Apr. 24, 1923. Serial No. 634,498. 7 Claims. (Cl. 158—91.)



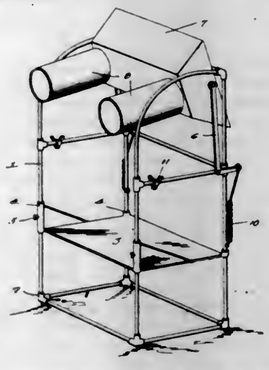
1. In an orchard heater including a lower burner casing having an upper reduced neck portion, a stack including upper and lower adjustably telescoping extensions of which the lower section adjustably telescopes the upper neck portion of the burner casing, said lower stack section having an enlargement intermediate its ends forming a combustion space therein and provided around its lower portion with draft openings, and a fuel pan within the burner casing having a fuel feed pipe opening therein and provided with a portion exteriorly of the casing.

1,500,963. COMBINED DRILL AND GRINDING MACHINE. WILLIAM A. SPEEGLE, Morganton, N. C., assignor of one-eighth to Walter E. Wilson, Morgantown, N. C. Filed June 6, 1922. Serial No. 566,255. 2 Claims. (Cl. 29—26.)



1. A device of the class described comprising an upright, a platform movable therein, a feed screw connected with the platform, a nut carried by the upright engaging the screw, a motor on the platform, a tool carrying member actuated by the motor, means actuated by the motor for rotating the feed screw, reversing means associated with such means for turning the feed screw in either direction and adjustable stop means for automatically actuating the reversing means to cause the platform to be reciprocated in the upright.

1,500,964. SACKER. LYMAN O. STARKS, Burlington, Iowa. Filed Mar. 4, 1924. Serial No. 696,792. 1 Claim. (Cl. 226—58.)

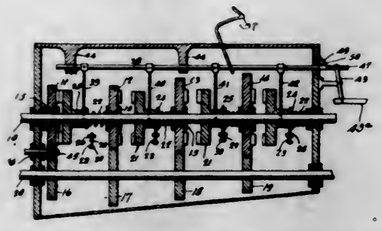


A sacker comprising a frame, a sack support mounted thereon, levers pivoted upon the frame, spring means connected with the levers and the frame for normally holding end portions of the levers in elevated positions, and a trough carried by the levers and having spouts adapted to enter the sacks.

1,500,965. TRANSMISSION GEARING. FRANK S. STRENG, Strattonville, Pa. Filed Aug. 31, 1922. Serial No. 585,544. 3 Claims. (Cl. 74—58.)

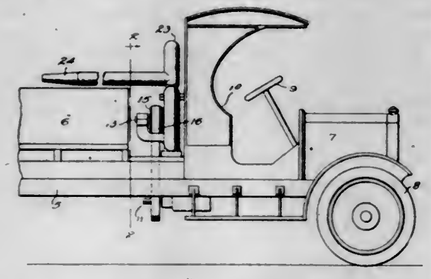
1. In a variable speed transmission mechanism, a drive shaft, gears mounted for rotation thereon, a driven shaft, gears fast upon the driven shaft and engaging the gears upon the drive shaft, spring actuated clutches

mounted upon the drive shaft for locking the gears thereto, spring actuated means for holding the clutches in neutral position, electrically operated means for selectively releasing any of the clutch holding means, means including a shifting rod common to all of the clutches for



returning them to normal position and means included in the electrically operated means and controlled by the operation of the shifting rod to render the releasing means inoperative when any one of the clutches is in engaged position.

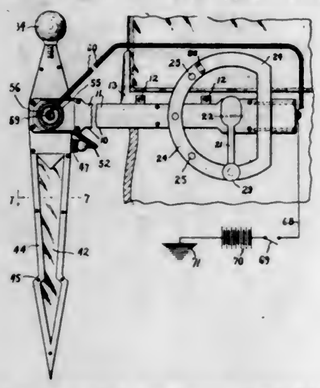
1,500,966. PNEUMATIC LOADING AND UNLOADING APPARATUS. ETTA E. SUPINGER, Richmond, Va. Filed Aug. 10, 1923. Serial No. 656,757. 2 Claims. (Cl. 302—17.)



1. In combination with a motor truck, having a longitudinal propeller shaft, and provided with a frame or chassis upon which are mounted a front driver's seat and a rear open top body arranged in spaced relation to each other, a fan blower mounted upon the frame or chassis between said seat and said body, operative connections between said propeller shaft and said fan blower, and means associated with the outlet of said blower for utilizing the air currents from the latter for selectively loading grain from the said body into a receptacle or car positioned beside the truck, or for loading the same from said receptacle or car into said truck body, at will, said last named means comprising a vertical pipe having a lower lateral branch, and an upper lateral branch extending at right angles to each other, and a swivelled connection between the outlet of said blower and said vertical pipe.

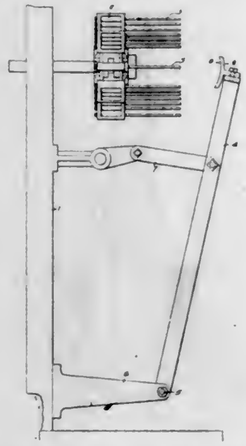
1,500,967. DIRECTION SIGNAL FOR VEHICLES. FRED F. THOMSEN, Omaha, Nebr. Filed Aug. 23, 1922. Serial No. 583,792. 1 Claim. (Cl. 177—327.)

A vehicle signal comprising a tubular housing, a shaft journaled therein and having one end projecting beyond said housing, means for selectively rotating said shaft in opposite directions, a tubular cross shaft driven by said first named shaft, a signal element fixed to said tubular cross shaft and being hollow, illuminating means contained within said hollow signal element, a conducting rod passing in insulated relation through said hollow cross shaft, a lead connecting the outer end of said rod with said illuminating means, a housing at the back of said cross shaft, a resiliently pressed contact member in said housing bearing against said rod, a casing secured to the end of the firt mentioned shaft which projects beyond said housing, said casing being tubular and having a stem axially therein projecting from one end of the casing to an intermediate point therein, resiliently pressed contact fingers carried at opposite sides of said



stem, and a conducting ring having insulated portions carried fixedly by said shaft and received in the end of the casing not occupied by said stem, a source of electricity connected to one of said resiliently pressed contact fingers, and a lead connecting the other contact finger in said casing with the spring pressed contact element bearing against said conducting rod.

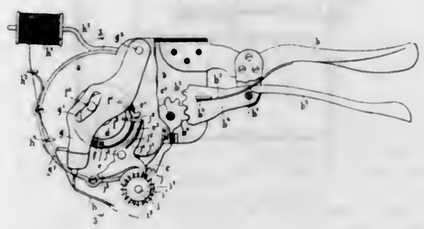
1,500,968. PUSHER FOR KNITTING MACHINES. GEORGE C. L. TISCH, Elizabeth, N. J., assignor to Tisch Machine Die Works, Elizabeth, N. J., a Corporation of New Jersey. Filed May 19, 1923. Serial No. 640,148. 3 Claims. (Cl. 66—12.)



1. In a knitting machine provided with thread bar shifting pins, a pusher lever, and a foot carried by the lever for shifting said pins, said foot being formed with a concave face.

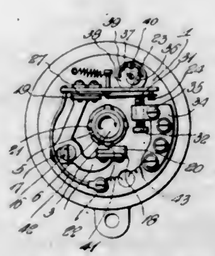
1,500,969. THREAD-TACKING MACHINE. GASTON VENDITTI, Paris, France. Filed Aug. 9, 1922. Serial No. 580,768. 8 Claims. (Cl. 112—169.)

1. A portable machine for running tacking threads through two superimposed thicknesses of cloth or the like along a predetermined outline, comprising a housing, a needle carrier pivotally mounted thereon, means for imparting to the said needle carrier an alternating movement of a stroke sufficient to allow of the needle entering and passing through both thicknesses of material and coming back out therefrom after having formed and left behind, each time, a loose loop of thread upon the under face of the lower cloth, locking means for automatically stopping the machine during the period the needle enters



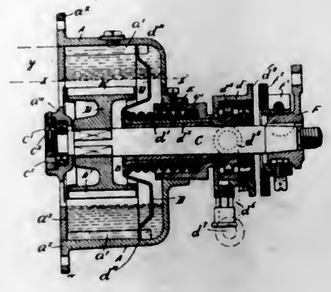
the two thicknesses of material, means for automatically stopping the movement of the needle when it reaches the end of its backward stroke, means for automatically releasing the locking means of the machine, and hand actuated means for advancing said machine along the predetermined outline to the extent of a distance corresponding with the spacing apart of two consecutive loops of thread, for the purpose described.

1,500,970. TIMER. WILLIAM F. WAGNER, San Diego, Calif., assignor of thirty-five per cent to Arthur W. Pearsons, San Diego, Calif. Filed Aug. 4, 1921. Serial No. 489,841. 3 Claims. (Cl. 200—21.)



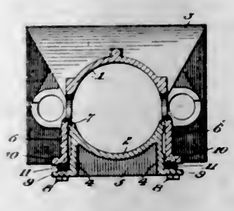
2. A timer comprising a base, a rotatable shaft extending through the base, a stationary contact carried by the base, a lever pivotally and slidably mounted upon the base at a point diametrically opposite the rotatable shaft from the stationary contact and having diverging arms, one arm extending toward the stationary contact and carrying an abutment element extending toward the shaft, a contact carried by the second arm of the lever and extending parallel to the first arm upon the opposite side of said shaft, resilient means yieldably holding the lever against movement, and means carried by said shaft for engaging the abutment element of the lever as the shaft rotates, rotation of the shaft in one direction imparting swinging movement to the lever to bring the movable contact into rubbing contact with the stationary contact and reverse rotation of the shaft imparting sliding movement to the lever with the contacts out of engagement.

1,500,971. FRICTION CLUTCH. WILLIAM WALLACE, Oldham, England. Filed Apr. 30, 1924. Serial No. 710,164. 3 Claims. (Cl. 192—109.)



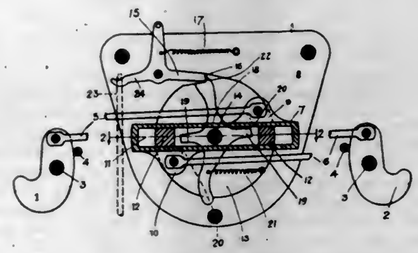
1. A method of modifying the action of a clutch which includes the step of opposing the centrifugal force of a rotating body of lubricant by changing its bodily dimensions.

1,500,972. STOKER CYLINDER. ARTHUR WATHEY, Cleveland, Ohio. Filed June 3, 1922. Serial No. 565,638. 4 Claims. (Cl. 110—109.)



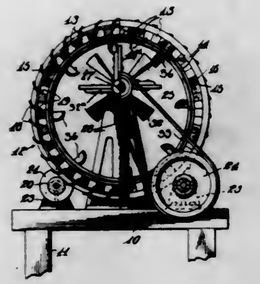
1. The combination in a stoker cylinder, of a detachable bottom member approximately semi-circular in cross-section adapted to rigidly support the weight of a ram in said cylinder and means for adjusting said bottom member transversely of the cylinder for the purpose specified.

1,500,973. MEANS FOR RELEASABLY SUSPENDING A MASS AND FOR LIKE PURPOSES. GORDON AUGUSTUS WEARHAM, London, England. Filed Mar. 2, 1921. Serial No. 449,209. 12 Claims. (Cl. 244—1.)



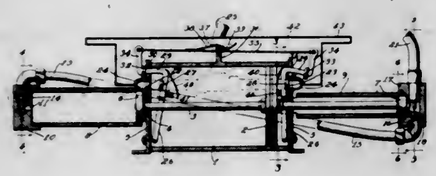
1. Apparatus for suspending a load at two points and releasing it at both points simultaneously, comprising two load suspending and releasing devices connected with a coupling piece which is capable of two independent motions, one of which is adapted to release the load at both points simultaneously and the other of which is adapted to release the load at one point if the connection with the load suspending and releasing device at the other point be ruptured.

1,500,974. MACHINE FOR DRYING FRUIT AND VEGETABLES. FRED L. WEBSTER, Adams, N. Y. Filed Oct. 23, 1922. Serial No. 596,403. 10 Claims. (Cl. 34—5.)



5. In a drying device of the class described a drying cylinder, means rotatably mounting said drying cylinder, said cylinder being formed with a plurality of longitudinal openings, air deflecting means arranged on said cylinder adjacent said openings for directing air through said openings to the interior of said cylinder during its rotation, a conveying spiral arranged in said cylinder and means for rotating said cylinder.

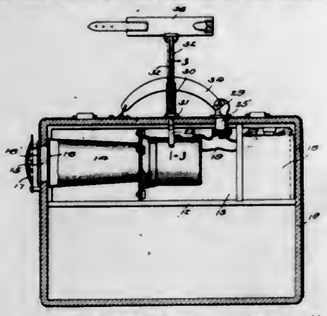
1,500,975. VACUUM-OPERATED MECHANISM. JOHN B. WHITTED, Roland Park, Baltimore, Md., assignor of twenty-four and eight-tenths per cent to J. Henry Miller and twenty-four and eight-tenths per cent to Donald H. Waddington, both of Baltimore, Md. Filed Jan. 9, 1922. Serial No. 527,943. Renewed May 27, 1924. 4 Claims. (Cl. 121—164.)



1. In a vacuum operated engine the combination with a cylinder having inlet and outlet ports, of a piston mounted for reciprocation within the cylinder, members mounted for movement adjacent each limit of the stroke of the piston, a pair of valves carried by each member for alternately closing the respective inlet and outlet ports adjacent thereto, a connection between the members for insuring simultaneous movement thereof, co-operating means upon said connection and the cylinder for holding the members yieldingly in either of two extreme positions, the outlets of the cylinder being in communication with a vacuum, and yielding means on the members for engagement by the piston to actuate the members.

1,500,976. THEFT-ALARM CARRIER. EMIL A. WIESE, West Hoboken, and OSCAR A. WIESE, Union Hill, N. J. Filed Sept. 11, 1922. Serial No. 587,443. 6 Claims. (Cl. 177—314.)

1. The combination with a carrying case for valuables, of a theft alarm therefor arranged within said case and comprising an audible electric signal, a source of electric energy, and means insertable in said case and attached to the wrist of the carrier of the same, which is



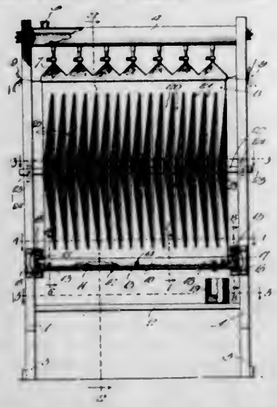
operable upon withdrawal to effect the coupling of the alarm with the source of energy to actuate the same.

1,500,977. STRONG OR SAFETY BOX. GEORGE WITTY, New York, N. Y., assignor of one-half to Fannie I. Powers, Brooklyn, N. Y. Filed Nov. 10, 1922. Serial No. 600,115. 6 Claims. (Cl. 224—26.)



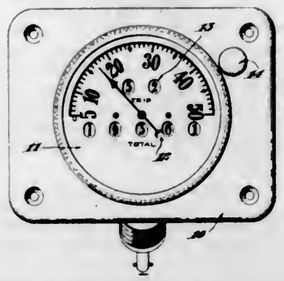
1. A device of the class described comprising a receptacle including mating sections, a bolt engageable with said sections, and body engaging means carried by the receptacle and secured in a locked position about the body by means of said bolt.

1,500,978. COOLER AND HUMIDIFIER. SAMUEL WILEY WOMACK, Quanah, Tex. Filed Oct. 12, 1922. Serial No. 594,086. 6 Claims. (Cl. 299—20.)



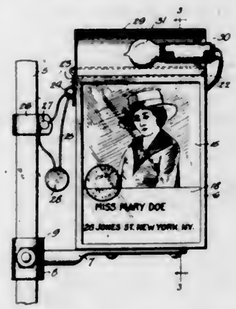
1. A humidifying device comprising a frame, a plurality of strips of absorbent material mounted within said frame in close relation, means connected with said strips for moving the same to a desired spaced relation, and means for moistening said strips.

1,500,979. ODOMETER. THOMAS DONALD ADAIR, JR., Dorchester, Mass., assignor to Standard Thermometer Company, Roxbury, Mass., a Corporation of Maine. Filed Nov. 16, 1922. Serial No. 601,287. 1 Claim. (Cl. 235—97.)



An odometer having, in combination, a total mileage train consisting of a tenths element provided with a higher element driving dog and a plurality of higher elements driven therefrom, a trip mileage train consisting of a units element provided with a transmission gear and star gear, a higher element driven therefrom, an intermediate connecting element provided with a transmission gear and star gear, the former meshing with the transmission gear of the trip mileage units element, and the latter being arranged to be operated by the dog of the total mileage tenths element, and means for actuating the total mileage tenths element.

1,500,980. IDENTIFICATION DEVICE FOR VEHICLES. RAFFAELE ALFISI, Brooklyn, N. Y. Filed Oct. 26, 1923. Serial No. 671,035. 2 Claims. (Cl. 40—2.2.)



1. In an identification device for vehicles, a casing having a transparent front, a partition in said casing combining with said front to form a compartment for receiving an identification card, said compartment having an opening, a closure for said opening pivotally connected to said casing, a latch carried by said closure, a hasp carried by said casing for receiving said latch, and means engageable with said hasp for latching said closure in closing position.

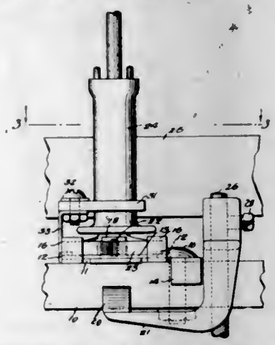
1,500,981. ADJUSTABLE GARMENT. ABRAM K. BAER, Baltimore, Md., assignor to Strouse-Baer Company, Baltimore, Md., a Corporation of Maryland. Filed Nov. 19, 1921. Serial No. 516,360. 2 Claims. (Cl. 2—106.)

1. In an adjustable middy blouse, a body having a bottom portion adapted to be folded to shorten the garment, said folded portion being adapted to be folded vertically at the sides of the garment to shorten the



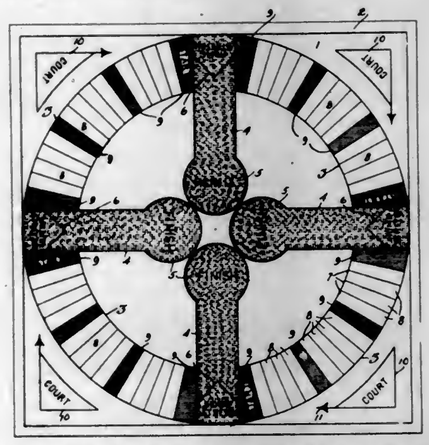
garment circumferentially and pairs of snap fasteners arranged at the lines of vertical folds for retaining the same in folded position.

1,500,982. SPINDLE STOP-MOTION ATTACHMENT FOR SPINNING MACHINES. ERNEST CLARENCE CUSHMAN, Westerly, R. I. Filed July 13, 1923. Serial No. 651,364. 5 Claims. (Cl. 118—7.)



1. In combination with a driving member, a spinning spindle comprising a base, a plate mounted to reciprocate on the base, a spindle carried by the plate and normally retained in engagement with the driving member, and means directly engaging the plate to move the spindle out of engagement with the driving member.

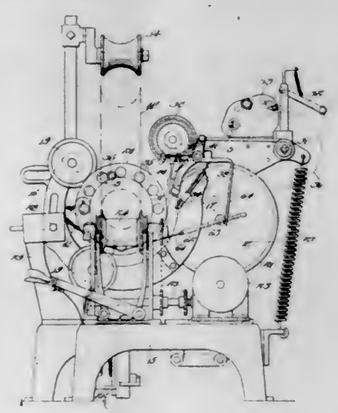
1,500,983. GAME APPARATUS. JAMES H. DEEN, New York, N. Y. Filed Sept. 7, 1921. Serial No. 499,030. 2 Claims. (Cl. 46—63.)



1. A game apparatus comprising a field having a circular track provided with a plurality of radial lines defining divisions, groups of which are blank and the divisions between the groups of blank divisions being alternately colored red and blue, game pieces movable on said track, and counters having numbered faces to

indicate the number of divisions for a playing piece to move and having red and blue faces to indicate movement of a playing piece to a correspondingly colored division on the track.

1,500,984. WRAPPING MACHINE. JASPER DERRY, Medford, Mass., assignor to Andrew Terkelsen, Boston, Mass. Filed May 9, 1923. Serial No. 637,618. 9 Claims. (Cl. 242—6.)

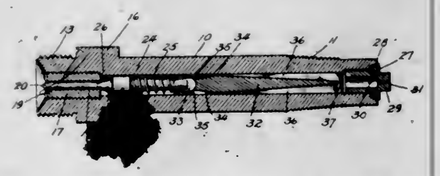


1. In a wrapping machine, in combination, an annular shuttle, means removed from said shuttle for supplying a strip of wrapping material thereto, means for rotating said shuttle to wrap said strip about the work, means for severing said strip between the shuttle and the source of supply, and means engaging the severed portion of said strip adjacent its free end for holding and controlling the same until it is completely wrapped about the work.

1,500,985. METHOD FOR PRODUCING ANTITOXINS. RICHARD DEUTSCHMANN and WILHELM KOTZENBERG, Hamburg, Germany. Filed Aug. 6, 1923. Serial No. 656,134. 2 Claims. (Cl. 167—7.)

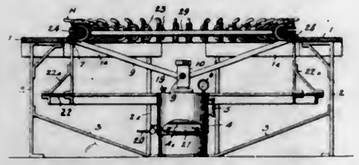
2. A method for producing an antitoxic serum, comprising inoculating a mixture of one part of substance of ovarium and four parts of substance from testicles into the organism of an animal and gaining the serum from the blood of the thus inoculated animal.

1,500,986. INJECTOR. WILLIAM JAMES FISH, Rousville, Pa. Filed Dec. 22, 1921. Serial No. 524,280. 5 Claims. (Cl. 123—32.)



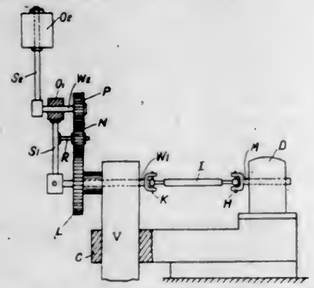
1. In a device of the class described a housing adapted to be inserted in the wall of an engine cylinder, means for supplying fuel to said housing, a valve, a spray plug and a stand interposed between said valve and said spray plug and provided with continuous tapering slots to dissipate the back pressure through said housing.

1,500,987. SKIN MARKING. OLAF HANSEN FOSS, Maddock, N. Dak. Filed June 20, 1923. Serial No. 646,647. 10 Claims. (Cl. 101—21.)



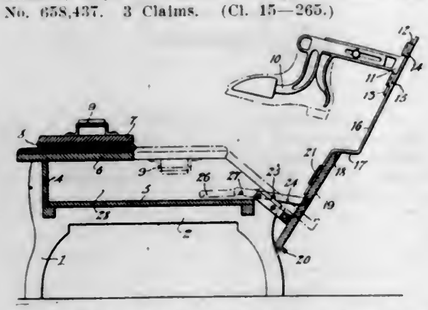
1. A skin marking device, comprising a jaw structure between which a skin is adapted to be inserted, a marking member carried by one of the jaws of the structure, which jaw is movable relative to the other, and means for applying a heating fluid to said marking member, such means applying said fluid automatically during relative movement of the jaws.

1,500,988. MECHANISM FOR CONVERTING ROTARY INTO RECIPROCATORY MOTION. RUDOLF GOLDSCHMIDT, Berlin, Germany, assignor to Det Tekniske Forsøgsaktieselskab, Charlottenlund, Denmark, a Company of Denmark. Filed June 22, 1921. Serial No. 479,573. 11 Claims. (Cl. 74—14.)



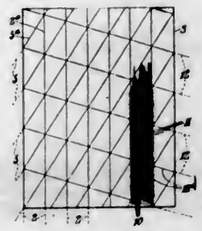
1. Mechanism for converting rotary into reciprocatory motion comprising a reciprocatory member, an arm pivoted to said member and subdivided into three or more parts jointed together, driving connections between the arm parts for rotating each arm part relative to the adjacent arm part, means for rotating the innermost arm part and a weight on the outer part of said arm.

1,500,989. SHOE-POLISHING BENCH. CHARLES P. HADLEY, Maywood, Ill. Filed Aug. 20, 1923. Serial No. 658,437. 3 Claims. (Cl. 15—265.)



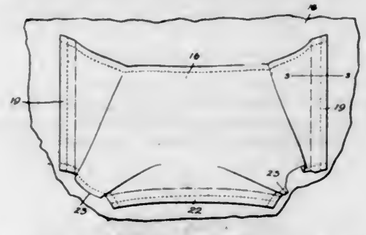
1. In a shoe polishing bench, a body formed with a hinged platform at one end, a shoe rest disengageably mounted on the platform, a locking arm swingably secured to the platform, said arm being formed with a plurality of notches, and a pin carried by said body adapted to engage the respective notches for holding the platform in different positions.

1,500,990. METHOD OF CUTTING MATERIAL FOR BUFFING WHEELS. WESLEY F. HALL, Matawan, N. J., assignor to A. P. Munning & Co. of New York, New York, N. Y., a Corporation of New Jersey. Filed Sept. 26, 1921. Serial No. 503,411. 6 Claims. (Cl. 164—17.)



1. In the art of making buff wheels out of unit pieces cut from sheet material, the steps in the manufacture of the wheel which comprise severing a sheet of material along a series of lines parallel to one edge of the sheet, also severing the sheet along a series of parallel lines inclined to such edge, and along a further series of parallel lines inclined to both of said above-mentioned series of lines.

1,500,991. POCKET FOR SHOWER-BATH CURTAINS. KURT HEITLER, New York, N. Y. Filed Dec. 20, 1922. Serial No. 608,001. 2 Claims. (Cl. 4—154.)

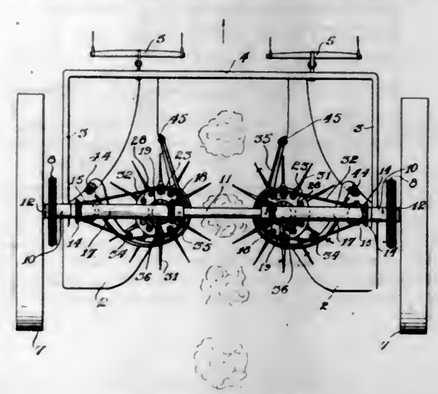


1. As a new article of manufacture, a shower bath curtain and a pocket formed on the inner side of said curtain consisting of a strip of material having cutaway corners at the lower portion, the side and lower edges of said strip being attached to the curtain with the upper edge and lower cutaway corners free for respectively providing a mouth at the upper end of the pocket for receiving the articles and drain outlets at the lower corners.

1,500,992. COTTON PICKER. HERBERT G. IRWIN, Floydada, Tex. Filed Sept. 1, 1920. Serial No. 407,383. 8 Claims. (Cl. 56—14.)

1. In a cotton-picking machine, the combination of a cylinder, a plurality of pickers carried by the cylinder and constantly radial thereto, means for rotating the cylinder about a vertical axis whereby to carry the pickers into and out of engagement with a plant, and scrapers fixed above and below the pickers, the ends of the scrapers being disposed in advance of and outwardly beyond the cylinder respectively and radially beyond the arcs described by the free ends of the pickers, and the intermediate portions of the scrapers extending from a point close to the cylinder eccentrically around the cylinder in rear of the same to a point removed therefrom a distance greater than the length of the pickers.

2. In a cotton-picking machine, the combination of a vertically disposed cylinder, a plurality of pickers extending from the cylinder constantly on radii thereof and mounted for rotation about their own axes in the wall of the cylinder, said pickers being disposed in vertical series, a plurality of shafts mounted vertically in the cylinder and each adjacent and geared to one vertical series of pickers, gears on the upper ends of said shafts in fixed relation to the cylinder, a relatively stationary rack disposed above the cylinder in the horizontal plane of said gears at the inner side of the path traveled by them, means for rotating the cylinder, means engaging the said gears and acting thereon at the outer side of the



path traveled by them, said means being positively caused to travel in opposition to the direction of rotation of the cylinder, the rotation of the cylinder causing the gears to successivel engage said last-mentioned means and the rack whereby the pickers will be positively rotated in opposite directions during successive periods in the rotation of the cylinder.

1,500,993. MANUFACTURE AND PRODUCTION OF CAUSTIC SODA. RICHARD OWEN JONES, Cricklewood, London, England, assignor to Courtaulds Limited, London, England, a Company of Great Britain. Filed June 9, 1922. Serial No. 567,201. 2 Claims. (Cl. 23—22.)

1. The manufacture of comparatively concentrated solutions of caustic soda from sodium carbonate by causticizing with lime as completely as possible a solution containing about 20 per cent of sodium carbonate, then filtering off the liquor, then dissolving in this liquor about a further 10 per cent of sodium carbonate, and then causticizing the solution again as completely as possible with lime, whereby, on cooling, a liquor is obtained which contains at least 18 per cent of caustic soda and some sodium carbonate.

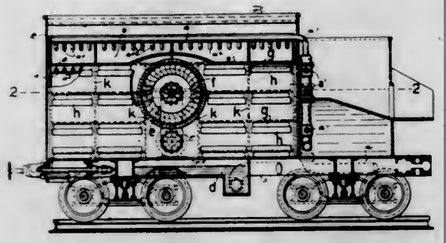
1,500,994. EFFECTING THE SEPARATION OF SODIUM CARBONATE FROM LIQUORS OR SOLUTIONS CONTAINING CAUSTIC SODA. RICHARD OWEN JONES, Cricklewood, London, England, assignor to Courtaulds Limited, London, England, a Company of Great Britain. Filed June 9, 1922. Serial No. 567,202. 5 Claims. (Cl. 23—22.)

1. Reducing the amount of sodium carbonate in a caustic soda solution by treating the said solution with calcium carbonate, thereby forming and precipitating the insoluble double compound of calcium carbonate and sodium carbonate as hereinbefore explained.

1,500,995. MANUFACTURE OF CAUSTIC SODA. RICHARD OWEN JONES, London, England, assignor to Courtaulds Limited, London, England. Filed Mar. 9, 1923. Serial No. 624,030. 3 Claims. (Cl. 23—22.)

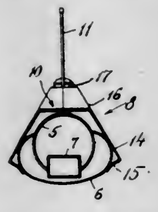
2. In the manufacture of caustic soda, the steps of chilling below 0° C. a causticized sodium carbonate solution, and separating from the cold solution the crystallized sodium carbonate.

1,500,996. WATER COOLER FOR LOCOMOTIVES. REINHARD KLINGELHÖFFER, Werden-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 29, 1921. Serial No. 525,648. 8 Claims. (Cl. 261—118.)



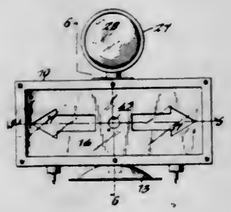
1. A reflex cooler for locomotives provided with a condenser, said cooler being formed with a plurality of sections, vertically disposed walls forming said sections, said sections being divided into separate cooling cells, and approximately horizontal partitions forming said separate cooling cells.

1,500,997. SUBMARINE CONSTRUCTION. SAMUEL LIPPINCOTT GRISWOLD KNOX, New York, N. Y. Filed May 9, 1922. Serial No. 559,512. 5 Claims. (Cl. 114—16.)



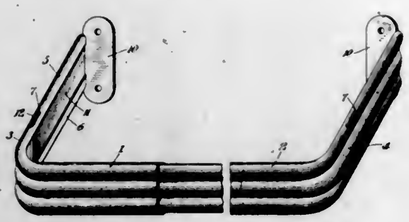
1. A submarine, the external surfaces of which make an angle with the vertical so as to reflect upwardly or downwardly supersonic waves striking them from the side.

1,500,998. VEHICLE SIGNAL. CLARENCE A. KUHN, Forks, N. Y. Filed Feb. 20, 1922. Serial No. 537,812. 2 Claims. (Cl. 177—329.)



1. A vehicle signal, comprising a casing having a central lamp compartment and end lamp compartments at opposite sides thereof formed by a curved partition arranged centrally in an upright position in said casing and isolating the central compartment from the end compartments, the casing having a rear wall bearing a "stop" indication located opposite the concave side of said partition and direction indications located opposite said end compartments, said casing having a front wall bearing direction indications located opposite said end compartments, the concave and convex sides of said partitions forming reflecting surfaces for the lamps in the central and end compartments, respectively.

1,500,999. CURTAIN SUPPORT. WILLIAM E. KURTZ, Los Angeles, Calif., assignor to The John Kroder & Henry Reubel Company, Brooklyn, N. Y., a Corporation of New York. Filed June 11, 1920. Serial No. 388,194. 2 Claims. (Cl. 156—19.)



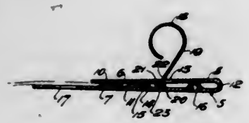
2. In a curtain support, a bracket member having a slide piece extending therefrom, a rod member, one end portion of which is telescopically slidable with regard to said slide piece with sufficient play to permit a certain amount of up and down movement of the rod member when engaging the slide piece, said slide piece and rod end portion having a vertically opposed projection and recess adapted to cooperate to oppose relative sliding between the members when the latter are fully engaged but permitting relative up and down movement therebetween, said projection and recess being located at a substantial distance from the end of the rod when the members are in said last-mentioned position, whereby the rod may tilt downwardly by its own weight when fully engaged, to a position in which the projection fits in the recess.

1,501,000. LAUNDRY MARKER. EDWIN LANE, New York, N. Y., assignor to Carolyn Laundry, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,635. 19 Claims. (Cl. 40—23.)



18. A reusable marker of the class specified having a pair of flat resilient metal jaws with opposed inwardly projecting interacting imperforate indentations, vent openings being formed across the jaws and adjacent to and in alternation with the indentations, and means for opening the jaws.

1,501,001. MARKER. EDWIN LANE, New York, N. Y., assignor to Carolyn Laundry, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,636. 18 Claims. (Cl. 40—23.)



18. A marker of the class specified having normally closed spring jaws provided with interacting impenetrating opposed holding means at a distance rearwardly from the free ends of the jaws, a rigid part of the marker being formed with a slot therethrough for hanging the marker and the article or piece attached thereto, and releasing means insertable between the jaws for opening the jaws.

1,501,002. LAUNDRY MARKER. EDWIN LANE, New York, N. Y., assignor to Carolyn Laundry, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,638. 9 Claims. (Cl. 40—23.)



5. A marker of the class specified having an identifying means and a pair of normally closed resilient jaws, the jaws being respectively formed with impenetrative tongues and openings in alternate relation in the two jaws, the tongues and openings varying in dimensions, and means insertable through one of the jaws in rear of the openings and projections thereof for opening the jaws.

1,501,003. LAUNDRY MARKER. EDWIN LANE, New York, N. Y., assignor to Carolyn Laundry, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,639. 5 Claims. (Cl. 40—23.)



2. A reusable laundry marker consisting of an intermediately bent flat strip of spring metal provided with flat body members with a clear space between them and having closed jaws extending therefrom in straight lines, normally in parallel relation and in close contact the jaws being provided with opposed inwardly projecting angularly disposed securing means adjacent to and wholly in rear of the free end edges of the jaws to permit the marker to be fully applied up to the bend over the edge of an article or piece adapted to be laundered.

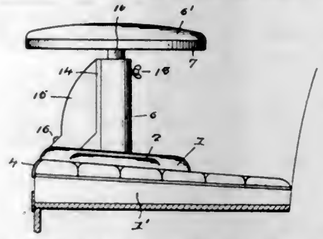
1,501,004. HAMMER CONTROL FOR TABULATING MACHINES. CLAIR D. LAKE, Binghamton, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed Mar. 6, 1922. Serial No. 541,45 . 7 Claims. (Cl. 235—58.)



1. In a tabulating machine, a plurality of type, and carriers therefor, a plurality of pivotally mounted hammers, an impacting means therefor, and means for selectively displacing one or more of the said hammers out of the path of said means when it is desired to suppress the printing from one or more type.

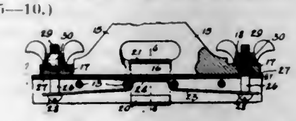
1,501,005. STOOL. CARL M. LARSEN, Glyndon, Minn. Filed June 4, 1923. Serial No. 643,381. 1 Claim. (Cl. 155—11.)

In a device for the purpose set forth, an angularly disposed base designed to rest on the seat of an automobile, a hook on the outer portion thereof to engage the cushion of the automobile seat, a hollow pedestal arising centrally from the base having inner threads, a cross sectionally U-shaped guide on the outer face of the



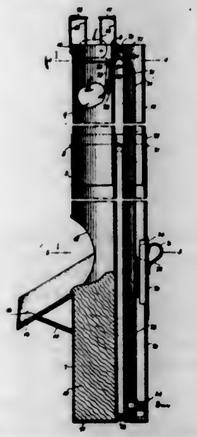
pedestal, a plate receiver therein and secured to the base, a cushion seat, a threaded post depending therefrom received in and engaging the threads of the pedestal, and means for locking the post adjusted in the pedestal.

1,501,006. RAKE. BERT ELWOOD LEAS, Luverne, Minn. Filed Mar. 6, 1923. Serial No. 623,222. 3 Claims. (Cl. 55—10.)



2. A rake including a handle and a head, of a connection therebetween to permit of relative angular movements therebetween, said connection comprising a forked sleeve carried by one end of the handle, a cross rod connecting the forked portion of the sleeve, a strap secured to the head having a semi-circular portion embracing the cross rod, apertured lugs projecting from the forked portion, apertured portions in the head, bolts extending through said apertured lugs and apertured portions, and a leaf spring having notched opposite extremities embracing the bolts, said spring having a medial bearing portion on the head and engaging at its opposite ends the bolt heads for tensioning said head against angular movement.

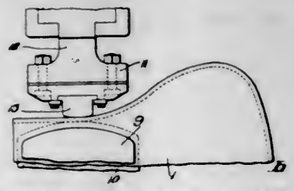
1,501,007. FRUIT PICKER. DAVID G. LEONARD, Schaghticoke, N. Y. Filed Nov. 21, 1922. Serial No. 602,409. 4 Claims. (Cl. 56—340.)



2. A fruit picker consisting of a telescopic gathering tube having a lower outlet and cushioning means adjacent to the outlet, gathering means above the upper open end of the tube, a telescopic tube of less diameter than and connected to the gathering tube for uniformity of adjustment, a tilting receiver mounted in the upper extremity

of the gathering tube and having a cushioning means, and a weight freely movable in the smaller telescopic tube and connected to the tilting receiver to normally hold the latter in horizontal position but overcome by the weight of the fruit on the receiver to permit passage of the fruit through and discharge thereof outwardly from the gathering tube.

1,501,008. METHOD OF COLD FLANGING IRREGULARLY SHAPED SHEET-METAL PLATES. HUGH MCCABE, Lawrence, Mass. Filed July 31, 1922. Serial No. 578,590. 10 Claims. (Cl. 153—16.)



10. The method of cold flanging irregularly shaped sheet metal plates, which consists in clamping successive convex areas of the body portion adjacent to the flange portion, and at each clamping operation subjecting the flange portion adjacent thereto to the flange forming action of a convex faced bender.

1,501,009. TENNIS BALL AND METHOD OF MANUFACTURING THE SAME. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Dec. 23, 1922. Serial No. 608,752. 3 Claims. (Cl. 154—16.)

2. The method of manufacturing sponge rubber tennis balls and the like, which consists first in forming by vulcanization a sponge rubber ball of the desired size and weight, then dipping the same in a rubber cement containing a percentage of floc, then applying to the surface of said ball before it dries a coating of loose wool floc, and finally vulcanizing said cement coating under slight compression.

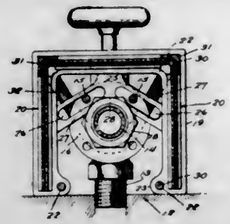
1,501,010. SALIVA EJECTOR. FRANK L. DAILEY, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey. Filed Feb. 27, 1923. Serial No. 621,550. 2 Claims. (Cl. 32—33.)



1. A saliva ejector including a tubular member having a short arm or mouth piece the ultimate portion of which is disposed at an angle to the main body portion, said mouth piece having a saliva intake a wall of which is flattened and reversed to constitute a guard for the intake, the terminal of the guard overlying the opposite wall of the intake, but floated with respect thereto to provide for expansion and contraction.

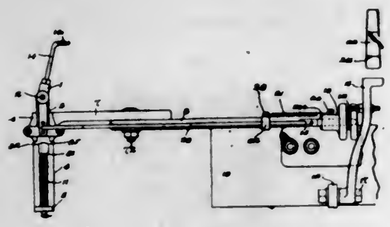
1,501,011. GLASS-GAUGE PROTECTOR. PAUL B. HUYETTE, Germantown, Pa., assignor to The Paul B. Huyette Co., Incorporated, Philadelphia, Pa., a Corporation of New Jersey. Filed Jan. 31, 1923. Serial No. 616,067. 8 Claims. (Cl. 73—54.)

1. As an article of manufacture a gauge glass protector adapted for association with a glass gauge having a guard rod, comprising a protector cage and valve engaging means rigidly carried by the cage and having a



slot, said slot being so arranged in said means that an edge thereof will contact with a guard rod for holding the cage in position.

1,501,012. FEELER MOTION FOR LOOMS. SIMEON S. JACKSON, Hyde Park, Boston, Mass., assignor to The Stafford Company, Readville, Mass., a Corporation of Massachusetts. Filed Oct. 15, 1923. Serial No. 668,617. 9 Claims. (Cl. 139—286.)

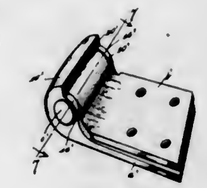


1. In a mechanism comprising a latch connected with change-calling mechanism of a loom, a weft-hammer adapted to engage said latch to actuate thereby said mechanism into performance of its functions, and a side-slipping feeler-member mounted with capacity to reciprocate in a fore-and-aft direction in a feeling action as well as to swing sidewise for indicating purposes, the combination with the said elements of bolt-guiding means, and a sliding bolt which controls the position of the latch vertically, and which through sidewise slipping movement of the feeler-member is moved endwise relative to said guiding means, with consequent vertical movement of the latch into position to be engaged and actuated by the weft-hammer.

1,501,013. STOP HINGE. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 24, 1922. Serial No. 546,232. 5 Claims. (Cl. 16—191.)

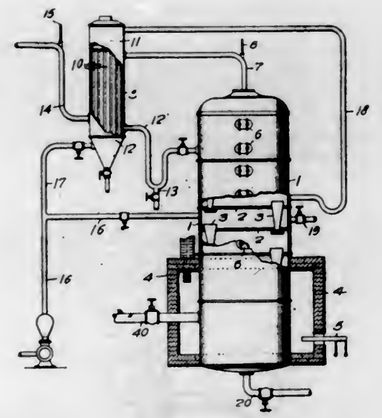
1. A stop hinge comprising a pair of leaves constructed of sheet metal, one of said leaves having a wall at one end curved to form a socket, and side portions integral with the side edges of said wall and at right angles thereto, the other leaf having a continuous, unbroken

knuckle positioned within said socket and extending substantially the entire distance between said side portions, a pintle supported by said side portions, said knuckle



having a long bearing surface on said pintle, and means for preventing relative rotation between said pintle and side portions.

1,501,014. DISTILLATION WITH ALUMINUM CHLORIDE. ALMER MCD. MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 29, 1922. Serial No. 547,813. 7 Claims. (Cl. 196—25.)

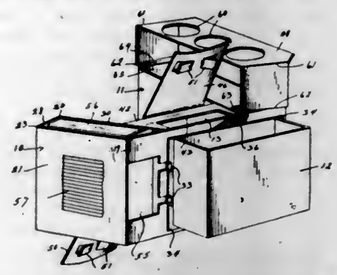


1. The process of distilling oils with aluminum chloride which comprises establishing and maintaining a vertical downwardly flowing current of oil through a zone of progressively increasing temperature and supplying aluminum chloride thereto at a midpoint.

5. In the catalysis of oils with aluminum chloride, the process which comprises passing aluminum chloride vapors upwardly through successive transverse layers of downwardly flowing hot oil.

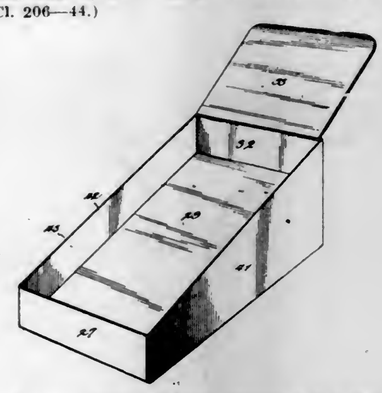
1,501,015. AUTOMOBILE ACCESSORY. JAMES MEDLEY, Ironwood, Mich. Filed Dec. 27, 1923. Serial No. 683,032. 8 Claims. (Cl. 206—30.)

1. In combination with a receptacle, means for attaching the receptacle in a vertical position to an inclined columnar support including upper and lower plates associated with the receptacle, the lower plate being the wider, an upwardly extending tongue formed on the upper plate and a downwardly extending tongue formed upon the lower plate, said tongues being aligned one with another and being at an angle to the receptacle



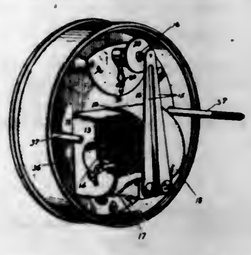
equal to the angle of the columnar support to the vertical, and means carried by said tongues and passing about the steering post to secure the same thereto.

1,501,016. COMBINED DISPLAY AND SHIPPING CONTAINER. CHARLES YOUNG, New York, N. Y. Filed Jan. 3, 1921. Serial No. 434,660. 4 Claims. (Cl. 206—44.)



2. A folded paper container comprising a single sheet of paper cut and folded so as to form a solid substantially trapezoidal in cross section having a base, rear wall, front wall, side walls, a cover adapted to be torn off to display the contents, a display tab, and a false bottom arranged at an angle to the bottom.

1,501,017. PROTECTIVE DEVICE. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Nov. 28, 1919. Serial No. 340,969. 48 Claims. (Cl. 200—122.)



6. A protective device for electrical apparatus having different thermal characteristics in its component parts, comprising means adapted to be located remotely from the apparatus so as to be out of the direct influence of

the heat radiated from the apparatus and responsive to the load current traversing said apparatus or a proportional part of such current for duplicating the different thermal characteristics of the parts of said apparatus, and means controlled by said first mentioned means for opening the circuit of said apparatus when any predetermined temperature is individually first reached in one of the parts of said apparatus.

1,501,018. ELECTRIC-CIRCUIT PROTECTIVE DEVICE. DONALD K. LIPPINCOTT, San Francisco, Calif., assignor, by mesne assignments, to General Electric Company, a Corporation of New York. Filed July 8, 1919. Serial No. 309,358. 12 Claims. (Cl. 200—123.)



1. A protective device for an electric circuit containing electrical apparatus, comprising a heating element in circuit with the apparatus, a metallic heat storage element in which the heating element is embedded and with which it is in electrical contact and a thermal responsive device operative to open the circuit disposed in thermal communication with said metallic element.

1,501,019. ELECTRIC-CIRCUIT PROTECTIVE DEVICE. DONALD K. LIPPINCOTT, San Francisco, Calif., assignor, by mesne assignments, to General Electric Company, a Corporation of New York. Filed Dec. 9, 1919. Serial No. 343,483. 24 Claims. (Cl. 200—122.)



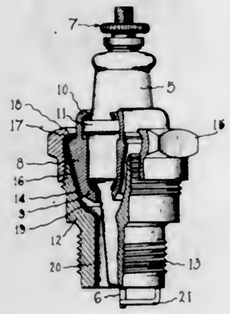
1. A protective device for an electric circuit containing electrical apparatus, comprising a metallic thermal responsive device of large mass and a heating element adapted to be placed in circuit with the apparatus embedded in said mass.

1,501,020. TOOTHBRUSH SHIELD ATTACHMENT. FRANK E. SMALL, Jamaica, Long Island, N. Y., assignor to Nancy Maria Small, Jamaica, Long Island, N. Y. Filed Sept. 22, 1923. Serial No. 664,189. 4 Claims. (Cl. 15—248.)



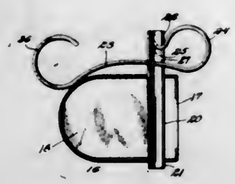
1. A tooth brush shield comprising a disc having an apertured central portion adapted for slidable engagement with a flat handle to frictionally retain the shield on the handle, the shield being provided with a marginal portion forming a V-shaped channel having its apex directed inwardly and its side walls diverging outwardly from the apex.

1,501,021. DOUBLE-INSULATED SPARK PLUG. ALBERT J. CHAMPION, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Nov. 24, 1919. Serial No. 340,102. 4 Claims. (Cl. 123—169.)



1. In a spark plug, a central electrode; an external metallic shell or casing; a grounded electrode carried by said shell; double insulation interposed between said inner electrode and said outer shell or casing; and a metallic sleeve interposed between two portions of said double insulation and located out of the path of the flow of current between said central and grounded electrodes, and which sleeve serves to support said inner electrode and insulation surrounding the same.

1,501,022. VALVE MECHANISM. CHARLES GIBFORD, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 28, 1921. Serial No. 488,225. 5 Claims. (Cl. 251—13.)

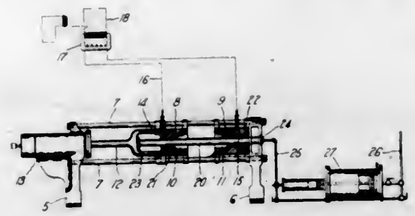


3. In valve mechanism, the combination with a valve member comprising a flow-obstructing portion and a spindle portion formed from a single piece of sheet material, said spindle portion having apertures therethrough, of a handle member comprising a resilient device seated in said apertures.

1,501,023. PROCESS AND APPARATUS FOR FORMING METAL OBJECTS. ELVIN S. GOODSPEED, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,906. 6 Claims. (Cl. 219—3.)

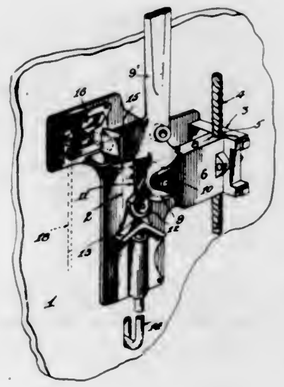
1. The process of forming articles which comprises supporting a hollow blank within a mold recess, heating the blank while thus supported to a temperature

at which it becomes plastic, applying pressure to the interior of said blank to cause the same to expand within



the mold recess, and simultaneously reducing the length of the blank to provide additional material for the walls of the blank within the mold recess.

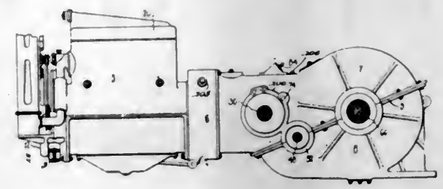
1,501,024. SAFETY APPLIANCE FOR ELEVATOR CARS. SAMUEL L. MCKINNEY, Peoria, Ill., assignor to Elevator Locks Co., a Corporation of Illinois. Filed May 21, 1923. Serial No. 640,573. 3 Claims. (Cl. 187—47.)



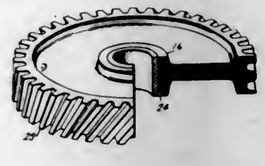
2. In an elevator appliance of the nature described, the combination with an elevator car and an operating cable, of a lever including a cam, a fixed part positioned adjacent the cable, a shiftable part lying at the opposite side of the cable from the fixed part and between the cable and said cam and operated by the latter to engage said cable, a housing enclosing and guiding the shiftable part and pivotally supporting the lever and cam, and an arm pivoted on the car adapted to be operated to hold the cam in gripping engagement with the shiftable part.

1,501,025. TRACTOR. ARTHUR C. MASON, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 22, 1920. Serial No. 367,935. 7 Claims. (Cl. 74—57.)

1. In a self propelled vehicle a transmission casing including an integral single-piece upper section and a lower section, a rear axle housed in said casing, said sections meeting each other in a joint which substantially intersects the axis of said axle and which terminates some distance forwardly of said axle but rearwardly of the front end of said transmission casing, and change-speed gearing assembled within said upper section for driving said axle, said gearing being assembled in said upper section, the front end of said transmission casing being open and annular in form, and having means whereby it may be secured to the rear end of another casing to thereby provide a vehicle frame.

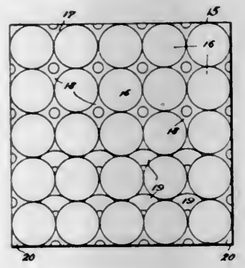


1,501,026. NOISELESS GEAR AND METHOD OF FORMING THE SAME. EMILE J. GUAY, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 10, 1923. Serial No. 611,827. Renewed Jan. 29, 1924. 22 Claims. (Cl. 74—28.)



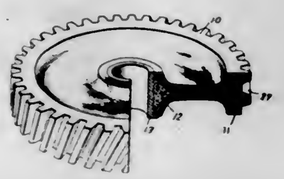
1. The method of making blanks of the character described which comprises coating disks and washers made of textile material with a binder, assembling them into a stack having a common axis, said disks and washers being interspersed, and subjecting the same to pressure and heat to compress said material and cause the binder to retain the same in its compressed state.

1,501,027. BLANK FOR GEARS AND METHOD OF MAKING THE SAME. EMILE J. GUAY, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 10, 1923. Serial No. 638,067. 22 Claims. (Cl. 74—28.)



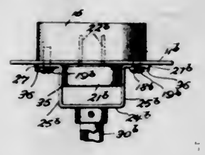
1. The method of making blanks of the character described, which comprises cutting definitely shaped members from sheet textile material, building up the blank from the members and the trimmings which remain after the members are cut, said members being interlocked with the trimmings, and finally subjecting the material to compression and retaining it in that condition.

1,501,028. NONMETALLIC GEAR AND METHOD OF FORMING THE SAME. EMILE J. GUAY, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 19, 1923. Serial No. 675,655. 15 Claims. (Cl. 74—28.)



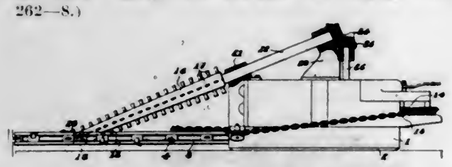
1. A gear blank of the character described, comprising disks and rim-forming rings both made of textile material, a hub member situated between certain of the disks and composed of small pieces of textile material shaped to predetermined form before assembly, and means for holding all of said textile material in a compressed state.

1,501,029. LIGHTING FIXTURE. HOWARD R. SARGENT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 28, 1921. Serial No. 456,244. 7 Claims. (Cl. 173—330.)



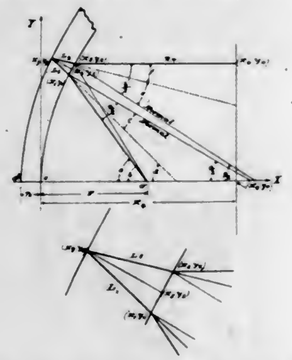
1. In an apparatus of the character described, the combination of a plug receptacle, a face plate associated therewith, headed screws threaded into said face plate, a plug for electrical connection to the receptacle, a supporting member associated with the plug and provided with slots adapted to receive the shanks of the screws without the removal of the screws from the face plate, and a fixture member carried by the supporting member, said fixture member and plug being wired as a unit.

1,501,030. MINING MACHINE. DAVID SCOTT ALLISON, Salt Lake City, Utah, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 23, 1918. Serial No. 213,280. 30 Claims. (Cl. 262—8.)



1. In a mining machine, a frame slidable on a mine bottom, means for sumping the same, and means comprising a plurality of cooperating relatively movable cutter carrying elements thereon for cutting in one sumping operation a full depth kerf having an inclined surface.

1,501,031. GLASS MIRROR. FRANK A. BENFORD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 22, 1922. Serial No. 576,686. 11 Claims. (Cl. 240—103.)



1. A glass reflector having a rear surface and having a paraboloidal front surface, the former so located with reference to the front surface and of such configuration that the thickness of the glass as measured along any line normal to the rear surface is substantially

$$T_a = \frac{T_o}{\cos a}$$

where a is any angle.

Patents Nos. 1,501,032 to 1,501,892.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Prints	11—No.	7,477 to No.	7,487, inclusive.
Reissues	2—No.	15,871 to No.	15,872, inclusive.
Designs	58—No.	65,155 to No.	65,212, inclusive.
Patents	861—No.	1,501,032 to No.	1,501,892, inclusive.
Total	981		

Amendment to Trade-Mark Laws.

[PUBLIC—No. 263—68TH CONGRESS.]

[S. 3324.]

An act to amend section 5 of the Trade-Mark Act of 1905, as amended, relative to the unauthorized use of portraits.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the fourth proviso of subdivision (b) of section 5 of the act entitled "An act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same," approved February 20, 1905, as amended, is amended to read as follows: "*Provided further*, That no portrait of a living individual may be registered as a trade-mark except by the consent of such individual, evidenced by an instrument in writing, nor may the portrait of any deceased President of the United States be registered during the life of his widow, if any, except by the consent of the widow evidenced in such manner."

Approved, June 7, 1924.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Samuel Block, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Landay Brothers, 311 Sixth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered September 28, 1909, No. 75,357, to Samuel Block, 220 Wabash Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Samuel Block at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Samuel Block, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 17, 1924.*

Rice Cereal & Milling Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Cumpson-Doelman, Inc., 588 Louisiana Street, Buffalo, N. Y., for registration of a trade-mark and trade-mark registered August 28, 1917, No. 118,331, to Rice Cereal & Milling Co., Fort Wayne, Ind., and a notice of such declaration sent by registered mail to said Rice Cereal & Milling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rice Cereal & Milling Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Lucas Thompson & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Lucas Thompson & Co., of 40 Lispenard Street, New York, N. Y., No. 22,068, dated November 29, 1892, and the notice of such proceeding sent by registered mail to the said Lucas Thompson & Co., at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Lucas Thompson & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Disclaimer.

1,179,717.—*Chester C. Harbridge*, Detroit, Mich. CARRIER FOR AUTOMOBILES. Patent dated April 18, 1916. Disclaimer filed May 31, 1924, by the assignee, *Detroit Carrier & Manufacturing Co.*

Hereby enters this disclaimer—

To the combination of claim 17, except where, in such combination, the peripheral flange has a portion which fits into and forms an internal seat for the demountable rim.

Enters this disclaimer—

To the combination of claim 19, except where the outwardly extending flange has a peripheral portion which forms an internal seat for the demountable rim.

Condition of Applications Under Examination at Close of Business July 3, 1924.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, excluding Trade-Mark Division, 59,541; Trade-Mark Division, 1,706. Oldest new case, Nov. 5, 1923; oldest amended, Nov. 5, 1923. The dates given are 1923 except where * indicates 1924.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 22	Dec. 28	953
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 6	Dec. 3	984
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 14	*Feb. 6	942
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	*Jan. 3	*Jan. 5	1,117
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 7	Nov. 8	1,317
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Nov. 6	Nov. 7	1,669
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Jan. 7	*Jan. 7	1,675
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 1	*Feb. 23	1,765
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 7	*May 7	628
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Jan. 11	*Jan. 7	1,330
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Mar. 5	*Feb. 7	718
322	12. PIERCE, F. P., Machine Elements	*Jan. 10	*Jan. 15	1,070
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 17	Dec. 19	1,203
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 3	*May 19	966
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 22	Nov. 24	2,001
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Dec. 10	Dec. 10	2,653
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	*Jan. 2	*Apr. 5	1,215
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 5	Nov. 5	2,103
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Feb. 11	*Apr. 7	923
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Jan. 4	*Jan. 8	1,334
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Dec. 6	*May 1	736
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 8	Dec. 7	1,200
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Nov. 16	*Jan. 5	625
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 11	Dec. 11	925
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 31	*Apr. 5	640
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 9	Nov. 15	907
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making, Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 15	*Jan. 5	1,140
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 8	*Jan. 25	1,116
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 10	*Jan. 3	1,070
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Feb. 6	*Mar. 3	999
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Dec. 19	Dec. 15	1,142
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 4	Dec. 5	966
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 4	*Feb. 2	1,289
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 3	*Jan. 8	824
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Mar. 7	*Mar. 20	736
235	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 28	*Jan. 28	1,691
107	37. TAYLOR, F. C., Electricity, Circuit Makers and Breakers	*Jan. 7	*Jan. 10	1,435
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Jan. 19	*Jan. 22	1,475
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Jan. 30	*Jan. 28	694
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 9	*Mar. 24	1,791
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 4	*Jan. 3	742
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 5	Nov. 17	1,932
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan. 7	*Jan. 5	1,534
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 5	*Mar. 4	1,242
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 15	*Jan. 10	1,459
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Woolen Buildings; Scaffolds.	*Jan. 7	*Jan. 21	1,019
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Feb. 9	*Mar. 1	872
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 12	Nov. 19	2,219
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Feb. 1	*Feb. 16	459
102	DESIGNS: C. O. MARKHAM (Acting)	*June 2	*June 7	373
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR.	*June 2 (Trade-Marks)	*June 9	1,661
		*June 23 (Labels and Prints)	*June 27	45

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE WALKER.

Decided March 30, 1925.

INVENTION—OMITTING A PART OF A MECHANISM—INCREASED OUTPUT.

Where the traveling felt for supporting paper pulp was formerly made to move at a relatively low speed, and could thus be cleaned by washing, beating or passing between squeezing rolls and subjecting it to suction apparatus, and it was found that by omitting the beaters or the squeezing rolls and increasing the suction effect the wearing and injurious effect of the beating or squeezing could be eliminated and the speed of travel of the felt increased many times, resulting in a very large increase of output, and the improvement was widely adopted by manufacturers of paper, *Held* that the change involved invention.

APPEAL from the Examiners in Chief.

CLEANING FELTS OF PAPER MACHINES.

Messrs. Pennie, Davis, Marvin & Edmonds for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the Primary Examiner, denying patentability to claims 1, 4, and 13. Claims 1 and 4 will serve for purposes of illustration:

1. The method of cleaning the felt of a paper machine which consists in supplying a cleansing liquid to the felt to loosen foreign material thereon, and removing the liquid and foreign material therefrom by the sole application of a suction effect.

4. Apparatus for cleaning the felt of a paper machine comprising means for supplying cleansing liquid to the felt, and means for applying a suction to the felt to remove the liquid and foreign material therefrom, said means being movably mounted with respect to the felt so that it may be removed from operative relation thereto when the felt is not to be cleaned.

The references relied on are: Manning, 305,615, September 23, 1884; Scanlan, 673,970, May 14, 1901; Gilbert et al, 708,219, September 2, 1902; Whisner, 920,100, April 27, 1909; Reynolds, 1,236,359, August 7, 1917; Marshall (British), 3,160 of 1870.

Some twelve claims were appealed to the Examiners in Chief and considered by them, certain ones being found patentable, but as to the others the decision of the Examiner being affirmed.

On the appeal from the decision of the Examiners in Chief appellant has withdrawn his appeal as to all rejected claims except claims 1, 4, and 13.

The appealed claims relate to a method and apparatus for cleaning felts in a paper-making machine without stopping the operation of the latter. It appears that in the operation of making paper the felts upon which the wet paper travels and through which the moisture from the paper is drawn become dirty, and the porous condition interfered with by loose particles of fiber, filler, and size being carried into the meshes, and therefore the necessity for cleaning the felts arises. Various methods were employed in the older machines for cleaning the felt, and among such methods were those disclosed in the patents to Manning, Scanlan, and the British patent to Marshall. In the first-mentioned patent the felt is sprayed with jets of liquid to wash off the dirt, and then the felt is passed through squeezing rollers to eliminate some of the moisture, and finally over suction boxes, two being shown at the right hand of the illustration in Figure 1 to further extract the water and, obviously, such remaining dirt as can be withdrawn by suction. A somewhat similar arrangement is found in the Scanlan patent, kneading rolls being shown to operate in conjunction with the suction box. This patentee states that the suction tank is used "to draw off water," that the suction pump is employed "to draw off water and refuse from the tank *c*." This would indicate clearly enough that some refuse or dirt was extracted from the belt by the suction. The felt is further dried by passing through additional wringer rolls to squeeze out the remaining water. The British patent discloses beaters to aid in loosening the particles or impurities from the wetted felt, and thereafter the latter is passed between squeezing rollers and finally over a suction cylinder to complete the cleaning and drying operation. All these machines are of the type known as slow-machines. Appellant is dealing with what he has designated as a high-speed machine. As he well notes, the appliances used with these low-speed machines of the prior art would not be practicable in machines of the high-speed variety. Felt, as contended by appellant, could not stand the wearing injurious strain of the feeding, squeezing, or beating operations incident to the methods employed in these machines formerly in use. It is appellant's contention that his discovery that he could loosen the dirt by moistening liquid and then subjecting the felt to sufficiently high suction effects as to remove substantially all the liquid and a considerable portion of the dirt without employing beaters or squeezing rolls has resulted in very marked improvement in the production of paper and that his method has been widely adopted by manufacturers of this product.

It is noted that none of the claims here on appeal makes any statement as to the speed of the machine or felt, and claim 4 does not preclude the presence of beaters or squeezing rolls shown in the prior patents. Claim 1 does recite that the vacuum effect constitutes the sole means relied upon to remove liquid and foreign material. The claim therefore defines from Manning or the other references merely by excluding the presence of the squeezing rolls, with possibly the implied effect of a higher suction. In a low-speed machine it would seem to be obvious the rolls or beaters could be

omitted and the vacuum increased without involving either invention or any material improvement in the operation of the machines or the product produced by them. Since, however, the high-speed machine could not be operated, as contended by appellant, with these devices of the prior art, it is thought there is merit in the contention that the discovery of the great advantage to be derived from appellant's method of procedure warrants the allowance of a claim substantially like claims 1 and 13, but restricted to a high-speed machine. If, therefore, claim 1 is amended by inserting after the word "machine" some such clause as *in which the felt is moving at relatively high speed*, this claim may be allowed. Also if some such change is made in claim 13, it may be allowed.

As above noted, claim 4 does not define in any way from what is disclosed in Manning. It is noted that while Manning shows the suction boxes X and W on the clean side of the felt, yet he does show a suction box, which is not lettered, just beyond the squeezing rolls V, which box is against the dirty side of the felt. There is no point in the feature that the box may be removed when its use is not desirable. Almost all devices of machines may be removed. As now drawn these appealed claims are not believed patentable.

Subject to the foregoing suggestion of amendment, the decision of the Examiners in Chief is affirmed.

ADJUDICATED PATENTS.

(C. C. A. Mass.) The Bruckman patent, No. 1,071,027, for machine for making ice-cream cones, *Held* valid and infringed. *American Cone & Wafer Co. v. Denard*, 297 Fed. Rep. 913.

(C. C. A. Ill.) The Laughlin patent, No. 1,396,687, for side bearings for railroad cars, claims 22 to 26 *Held* not infringed, and No. 1,396,688, claims 32 and 33 *Held* invalid. *Barry Ry. Supply Co. v. Laughlin*, 297 Fed. Rep. 938.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

909,675, I. B. Ritter, Automatic operating device for bringing hydraulic elevator cars to the floor level; Re. 15,733, Kesten & Osborne, Automatic brake for elevators, suit filed Apr. 9, 1924, D. C. N. D. Ill., Doc. 3945, *Otis Elevator Co. v. Kaestner & Hecht Co.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps, consent decrees sustaining patent, adjudging infringement, and granting injunction filed May 8, 1924, D. C., S. D. N. Y., Doc. E 28/182, *General Electric Co. v. The Dabarton Corp. et al.* Same, Doc. E 28/183, General Electric Co. v. *Weiss & Biheller, Inc.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making the same for use as filaments of incandescent electric lamps and for other purposes, final decree sustaining patents, adjudging infringement, and granting injunction filed May 6, 1924, D. C., S. D. N. Y., Doc. E 29/45, *General Electric Co. v. Ontario Lamp Corp. et al.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes; 1,180,159, I. Langmuir, Incandescent electric lamp, suit filed May 7, 1924, D. C., S. D. N. Y., Doc. E 29/168, *General Electric Co. v. Walker-Turner Co., Inc., et al.* Consent decree sustaining patents, adjudging infringement, and granting injunction filed May 9, 1924. Same, suit filed May 12, 1924, D. C., Mass., Doc. E 1961, *General Electric Co. v. Solar Electric Lamp Co., Inc., et al.*

1,079,675, E. M. Trimble, Convertible crib and coop; 1,321,905, J. Gannon, Portable crib, appeal filed Dec. 21, 1923, C. C. A. (2d Cir.), Doc. 8140, *E. M. Trimble v. Woodstock Mfg. Co., Inc.* Decree affirmed. (Notice dated Apr. 10, 1924.) Incorrectly reported in OFFICIAL GAZETTE June 17, 1924, page 477, as 1,079,695.

1,082,933. (See 1,018,502.)

1,095,204, J. F. Golding, Concrete floor and ceiling; 1,168,627, M. S. Goldsmith, Concrete floor construction, suit filed May 9, 1924, D. C., S. D. Ohio, (W. Div.), Doc. E 359, *The Goldsmith Metal Lath Co. v. Truscon Steel Co.*

1,109,670, G. D. Feidt, Method of preparing steel for painting, decree for final injunction issued May 9, 1924, D. C. Del., Doc. E 514, *American Chemical Paint Co. v. C. R. Wilson Body Co.*

1,129,943, H. D. Arnold, Gaseous repeaters in circuits of low impedance; 1,231,764, F. Lowenstein, Telephone relay; 1,442,146, R. A. Heising, Modulating and transmitting system; 1,442,147, same, Production of modulated high-frequency oscillation; Re. 14,380, E. H. Colpitts, System for the transmission of intelligence, consent order dismissing bill without prejudice filed May 7, 1924, D. C., S. D. N. Y., Doc. E 28/348, *American Telephone & Telegraph Co. v. Locke's, Inc., et al.*

1,168,627. (See 1,095,204.)

1,180,159. (See 1,018,502.)

1,201,270, L. De Forest, Oscillating-current generator; 1,377,405, same, Audion circuit; 1,218,195, C. V. Logwood, System for transmitting communications, consent order dismissing bill without prejudice filed May 7, 1924, D. C., S. D. N. Y., Doc. E 28/349, *American Telephone & Telegraph Co., et al. v. Locke's, Inc., et al.*

1,218,195. (See 1,201,270.)

1,227,084, W. Sparks, Signal; 1,237,717, same Motor horn; 1,355,283, same, Motor, appeal filed May 8, 1924, C. C. A. (2d Cir.), Doc. 8345, *Sparks-Withington Co. v. E. A. Laboratories, Inc.*

1,231,764. (See 1,129,943.)

1,237,717. (See 1,227,084.)

1,246,527, H. J. Bentson, Trenching machine, patent held invalid on account of prior use, case dismissed May 12, 1924, D. C., N. D. Ohio, (W. Div.), Doc. 399, *Austin Machinery Co. v. Buckeye Traction Ditcher Co.*

1,320,224, G. W. Garman, Suction-producing apparatus, appeal filed Apr. 13, 1922, C. C. A. (3 Cir.), Doc. 2882, *Piano Motors Corp. et al. v. Motor Player Corp.* Order affirming decree of district court. (Notice dated Apr. 19, 1924.) Incorrectly reported in OFFICIAL GAZETTE June 3, 1924, page 6, as 1,320,244.

1,321,905. (See 1,079,675.)

1,323,869. (See Re. 14,777.)

1,342,885, E. H. Armstrong, Method of receiving high-frequency oscillation, suit filed May 8, 1924, D. C., S. D. N. Y., Doc. E 29/169, *Westinghouse Electric & Mfg. Co. et al. v. M. Traub (Atlantic & Pacific Radio Co.)*. Same, suit filed May 13, 1924, D. C., S. D. N. Y., Doc. E 29/183, *Westinghouse Electric & Mfg. Co. et al. v. Experimenters Information Service, Inc.*

1,355,283. (See 1,227,084.)

1,377,405. (See 1,201,270.)

1,389,095. (See Re. 15,648.)

1,389,577. (See Re. 15,648.)

1,400,171. (See Re. 14,777.)

1,411,487, J. V. Giesler, Automobile radiator unit, decree for final injunction issued May 12, 1924, against defendant The Bishop & Babcock Co. Bill dismissed against defendant Buckley-Kane Motor Co. Apr. 29, 1924, D. C. Del., Doc. E 520, *The Fulton Co. v. Buckley-Kane Motor Co. and The Bishop & Babcock Co.*

1,431,260, H. Rosen, Button-making machine, consent decree sustaining patent, adjudging infringement, and granting injunction filed May 7, 1924, D. C., S. D. N. Y., Doc. E 29/56, *H. Rosen et al. v. Ritterman & Ritterman (B. B. S. Button Works)*.

1,442,146. (See 1,129,943.)

1,442,147. (See 1,129,943.)

1,473,314, L. Poccia, Air compressor, suit filed May 6, 1924, D. C., S. D. N. Y., Doc. E 29/167, *Poccia Bros., Inc., et al. v. F. Piacenti.*

1,492,437, H. M. Dowell, Automatic shutter-controlled apparatus for the radiators of internal-combustion engines, suit filed May 10, 1924, D. C., W. D. N. Y., Doc. 613-D, *Detroit Motor Appliance Co. v. Irving Engineering Sales Co., Inc.*

Re. 14,380. (See 1,129,943.)

Re. 14,667, F. D. Winkley, Lubricating system; Re. 15,503, E. Piquerez, Lubricator, suit filed May 9, 1924, D. C., N. D. Ohio (E. Div.), Doc. 859, *The Bassick Mfg. Co. v. The Allyne-Zerk Co.* Bill dismissed without prejudice May 9, 1924.

Re. 14,777, J. L. Kraft, Process of sterilizing cheese and an improved product produced by such process; 1,323,869, 1,400,171, same, Process for treating cheese, suit filed May 3, 1924, D. C., N. D., Doc. 479, *J. L. Kraft & Bros. Co. v. Shefford Cheese Co.*

Re. 15,503. (See 14,667.)

Re. 15,648, E. E. Eldredge, Process of sterilizing cheese; 1,389,577, Carpenter & Eldredge, same; 1,389,095, same, Swiss cheese and method for sterilizing same, suit filed May 3, 1924, D. C., N. D. N. Y., Doc. 480, *Phenix Cheese Co. v. Shefford Cheese Co.*

Re. 15,675, B. H. Skelly, Lubricating system, suit filed May 9, 1924, D. C., N. D. Ohio (E. Div.), Doc. 962, *The Bassick Mfg. Co. v. The Allyne Zerk Co.* Bill dismissed without prejudice May 9, 1924.

Re. 15,733. (See 909,675.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,371,413, W. P. Devine, Spectacles, decided June 7, 1924, claims 1 and 2.

Pat. 1,444,801, R. H. Moore, Lingerie clasp, decided June 28, 1924, single claim.

TRADE-MARKS CANCELED.

156,487. Bread. Nafziger Baking Company, Kansas City, Mo. Registered June 20, 1922. Canceled May 27, 1924.

158,335. Serge in the piece. The Bruner Woolen Co., Inc., New York, N. Y. Registered August 29, 1922. Canceled May 27, 1924.

163,833. Hosiery, underwear, and sweaters of wool, cotton, and silk for men, women, and children. Z. Harry Altmark, New York, N. Y. Registered January 30, 1923. Canceled May 27, 1924.

Changes in Classification.

Order No. 2,871, June 19, 1924, provides:

In class 183, Gas Separation (Division 25), establish subclasses and definitions as follows:

2.7 **Oil or gas well traps**
Processes
114.5 Separating gases or vapors from mineral oils.
114.6 Separating mineral-oil vapors from gases.

2.7. OIL OR GAS WELL TRAPS. Devices to be used near oil or gas wells to separate gas from other constituents discharged from the well. These devices may include means for separating liquids or solids from the oil together with means for separating the gas.

Note.—The combination of oil-well traps with parts of an oil-well structure are classified in class 166, WELLS.

Note.—For filters and decanters see class 210, LIQUID SEPARATION OR PURIFICATION, subclasses 43, Decanter and filter, and the subclasses indented thereunder, and 51, Decanters, and the subclasses indented thereunder.

Search this class, subclass 114.5, for process.

114.5. PROCESSES, SEPARATING GASES OR VAPORS FROM MINERAL OILS. Physical processes within this class for separating gases and light vapor, frequently gasoline, which are usually present in relatively small quantities, from liquid mineral oil.

Search this class, subclasses 2.5, 2.6, and 2.7.
Search Class—
196—MINERAL OILS, subclass 143, Increasing specific gravity.

114.6. PROCESSES, SEPARATING MINERAL-OIL VAPORS FROM GASES. Physical processes for separating mineral-oil vapors, such as vapors of gasoline or benzol, from air, natural gas, still gases, coal gas, and the like. These processes are usually by compression or absorption. Processes for separating the vapors by absorption which include a conventional step of recovering the absorbed vapor from the absorbent are classified here.

Note.—Processes whose novelty resides in the method of recovery of the absorbed vapor from the absorbent, although including a specific method of gas separation, are classified in class 196, MINERAL OILS.

Search Classes—
62—REFRIGERATION, appropriate subclasses.
196—MINERAL OILS, subclass 7, Mineral oils from hydrocarbon gases, and the subclasses indented thereunder.
252—SUBSTANCE PREPARATION, subclass 4, Volatile-organic-liquid recovery, for general recovery of solvents

The patents contained in these subclasses have been taken from class 196, Mineral Oils, and from various subclasses in class 183, Gas Separation.

In class 202, Charcoal and Coke (Division 31), establish subclasses—

14 **Coal or shale oil retorts**
15 Rotary.
16 **Coal or shale oil processes.**

The patents contained in these subclasses have been taken from class 196, Mineral Oils, subclasses 19, Coal oil, Retorts; 20, Coal oil, Retorts, Rotary; and 21, Coal oil, Processes, abolished in this order, and are directed toward the process of and apparatus for the distillation of coal, lignite, oil shale, and the like for obtaining liquid products.

Class 196, Mineral Oils (Division 31), has been reclassified with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification.

Lists of subclasses with definitions may be seen at the Classification Division, Room 63..

Changes in Classification.

Order No. 2,872, June 20, 1924, provides:

In class 20, Wooden Buildings (Division 46), establish the following subclass and definition:

Windows
40.4 Show-window type.

40.4. WINDOWS, SHOW-WINDOW TYPE. Window constructions especially directed to the support and protection of merchandise and arrangements for its display. In some instances cases, racks, etc., are claimed wher combined with window structure.

Note.—Particular constructions of such racks or cases are cross-referenced into class 211, STORE FURNITURE.

The patents contained in this subclass have been taken from class 20, Wooden Buildings, subclass 40, Windows, Miscellaneous.

In class 70, Locks and Latches (Division 20), abolish subclass—

102 **Sliding-door fasteners.**

The patents formerly contained in this subclass have been placed for the most part in class 292, Closure Fasteners.

In class 128, Surgery (Division 43), abolish the following subclass with its dennition:

Receptors
Aspirators
279 Siphon.

The patents formerly contained in this subclass have been placed for the most part in class 32, Dentistry, subclass 33, Saliva ejectors.

In class 128, Surgery (Division 43), subclass 276, Receptors, Aspirators, in the note following the definition cancel the word "saliva" at the beginning of the second line.

In class 139, Textiles, Weaving (Division 21), establish the following subclasses and definitions:

Weft manipulation
116.5 Pile
116.6 Longitudinal wire, anchored release end.

116.5. WEFT MANIPULATION, PILE. Means for manipulating the weft threads so that they will stand out from the surface of the fabric in the form of loops or ends.

Search this class, subclasses 21, for weft pile produced in multished looms, and 37, and the subclasses indented thereunder, for pile produced from warp threads.

116.6. WEFT MANIPULATION, PILE, LONGITUDINAL WIRE, ANCHORED RELEASE END. The weft is laid over wires which are parallel with the warp, the front ends of the wires being fast to the frame of the loom.

Note.—This type usually carries cutting knives.

Search this class, subclass 47, for similar devices for warp pile.

The patents contained in subclass 116.5 have been taken from class 139, Textiles, Weaving, subclass 116, Warp manipulation, and those contained in subclass 116.6 have been taken from class 139, Textiles, Weaving, subclasses 47, Warp manipulation, Pile, Longitudinal wire, traversing, Anchored release end, and 116, Warp manipulation.

In class 139, Textiles, Weaving (Division 21), subclass 37, Warp manipulation, Pile, add to the search note following the definition the words:

and subclasses 116.5 and 116.6, for pile produced from weft threads.

In class 139, Textiles, Weaving (Division 21), subclass 47, Warp manipulation, Pile, Longitudinal wire, traversing, Anchored release end, add the following search note to the definition:

Search this class, subclass 116.6, for similar devices for weft pile.

In class 242, Winding and Reeling (Division 21), abolish the following subclass with its definition:

Bobbin and cop winding
44 Multiple.

The patents formerly contained in this subclass have been placed in class 242, Winding and Reeling, subclasses 35.5, Bobbin and cop winding, Multiple, and 35.6, Bobbin and cop winding, Reserve-thread uniting, hereinafter established.

In class 242, Winding and Reeling (Division 21), establish the following subclasses and definitions:

Bobbin and cop winding
35.5 Multiple.
35.6 Reserve-thread uniting.

35.5. BOBBIN AND COP WINDING, MULTIPLE. Machines adapted to wind a plurality of bobbins simultaneously and not provided for in the preceding subclasses.

35.6. BOBBIN AND COP WINDING, RESERVE-THREAD UNITING. Means operable in connection with winding machines, brought into operation by failure of the running thread, to unite a reserve thread to the last end of the thread on the winding bobbin.

Search Class—
28—TEXTILES, subclass 34, Warp manipulation, Reaming, Supply replenishing.

The patents contained in subclass 35.5 have been taken from class 242, Winding and Reeling, subclass 44, Bobbin and cop winding, Multiple, hereinbefore abolished, and those contained in subclass 35.6 have been taken for the most part from class 242, Winding and Reeling, subclass 44, Bobbin and cop winding, Multiple, hereinbefore abolished, and subclasses 36, Bobbin and cop winding, Detectors and stops, and 37, Bobbin and cop winding, Detectors and stops, Thread break or exhaust.

LABELS

REGISTERED JULY 15, 1924.

27,572.—*Title:* PORCELAIN VENEER PORSEAL DENTAL LABORATORY. For Dental Goods, Crowns, and Merchandise. CHARLES BECHTOLD, Brooklyn, N. Y. Published June 6, 1924.

27,573.—*Title:* HAIRSLIK. For a Preparation for the Hair. BIG E. LABORATORIES, Denver, Colo. Published April 1, 1924.

27,574.—*Title:* CHAMPION RADIO "B" BATTERY. For Dry-Cell-Battery Containers. THE CHAMPION CARBON MFG. CO., Cincinnati, Ohio. Published June 10, 1924.

27,575.—*Title:* ELINE'S VANILLA SWEET CHOCOLATE. For Chocolate. ELINE'S INCORPORATED, Milwauke, Wis. Published May 16, 1924.

27,576.—*Title:* ELINE'S INTO-THE-WOODS CHOCOLATE. For Chocolate. ELINE'S INCORPORATED, Milwaukee, Wis. Published November 15, 1923.

27,577.—*Title:* ZOO SHOE. For Shoe Cartons. FARGO-HALLOWELL SHOE CO., doing business as Little Chick Shoe Company, Chicago, Ill.. Published April 30, 1924.

27,578.—*Title:* WILLSON DUSTITE RESPIRATOR. For Respirators. WILLSON GOGGLES, INC., Reading, Pa. Published June 9, 1924.

27,579.—*Title:* YOSEMITE (MISSION SCENE). For Figs. I. S. GOLDMAN, doing business as I. S. Goldman Company, Merced, Calif. Published May 26, 1924.

27,580.—*Title:* YOSEMITE (EL CAPITAN SCENE). For Figs. I. S. GOLDMAN, doing business as I. S. Goldman Company, Merced, Calif. Published May 26, 1924.

27,581.—*Title:* YOSEMITE (CATHEDRAL ROCK SCENE). For Figs. I. S. GOLDMAN, doing business as I. S. Goldman Company, Merced, Calif. Published May 26, 1924.

27,582.—*Title:* AZTEC PANCAKE MEAL. For a Pancake Meal. WILLIAM A. GRAY, doing business as Idaho Breakfast Food Co., Buhl, Idaho. Published May 16, 1924.

27,583.—*Title:* AZTEC BREAKFAST FOOD. For a Breakfast Food. WILLIAM A. GRAY, doing business as Idaho Breakfast Food Co., Buhl, Idaho. Published May 16, 1924.

27,584.—*Title:* NELL BRINKLEY BOB CURLER. For Bob Curlers. THE HAYES-MESEROLE MFG. CO. INC., Milford, Conn. Published May 31, 1924.

27,585.—*Title:* ZANZIBAR-BRAND. For Spices—To Wit, Pure Ground White Pepper for Foods and Food Products. B. HELLER & COMPANY, Chicago, Ill. Published March 8, 1924.

27,586.—*Title:* $1000.00 GUARANTEED FURNITURE POLISH. For Furniture Polish. B. HELLER & COMPANY, Chicago, Ill. Published April 15, 1924.

27,587.—*Title:* PADDLE YOUR OWN CANOE. For Candy. THE C. F. HICKOK CO., Sidney, Ohio. Published April 30, 1924.

27,588.—*Title:* SKEEZIX — SKEEZIX COMES TO SCHOOL ALONE. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,589.—*Title:* SKEEZIX—SKEEZIX KNOWS BOTH CROOKED S. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,590.—*Title:* SKEEZIX — TAKE NO CHANCES, SAFETY FIRST. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,591.—*Title:* SKEEZIX — SKEEZIX GOT SOME COOKIE DOUGH. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,592.—*Title:* MARYCREAM. For Candies. MARY FRASER CANDIES, INCORPORATED, Los Angeles, Calif. Published May 8, 1924.

27,593.—*Title:* KISMET CHEWING GUM. For Chewing Gum, NATIONAL PEPSIN GUM CO., San Francisco, Calif. Published February 10, 1924.

27,594.—*Title:* WHITE ROSE. For Celery. NELSON & COMPANY, INC., Oviedo, Fla. Published May 16, 1924.

27,595.—*Title:* TIMEWEAR. For Hosiery. NICHOLSON-FEINBERG, INC., New York, N. Y. Published March 10, 1924.

27,596.—*Title:* CONGRATULATIONS. For Candy. THE NUNNALLY COMPANY, Atlanta, Ga. Published May 1, 1924.

27,597.—*Title:* ORSINGER'S. For Cakes. LOUIS VINCENT ORSINGER, La Salle, Ill. Published May 6, 1924.

27,598.—*Title:* PABCO—TOY AEROPLANE WHIRL. For a Toy. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Published May 3, 1924.

27,599.—*Title:* GOLDEN EAGLE. For Evaporated Milk. PATTERSON-WARREN CO., McKeesport, Pa. Published April 1, 1924.

27,600.—*Title:* GREEN MOUNTAIN BIRCH BEER. For Birch Beer, a Nonalcoholic Birch-Beer Beverage. PIEL BROS., Brooklyn, N. Y. Published November 30, 1923.

27,601.—*Title:* PIEL'S SWEET CIDER. For Sweet Cider, a Nonalcoholic Sweet Cider. PIEL BROS., Brooklyn, N. Y. Published December 17, 1923.

27,602.—*Title:* APLCHAMPAGNE. For Apichampagne, a Nonalcoholic, Carbonated Apple-Juice Beverage. PIEL BROS., Brooklyn, N. Y. Published January 9, 1922.

27,603.—*Title:* PIEL'S APPLE ALE. For Apple Ale, a Nonalcoholic, Carbonated Apple-Juice Beverage. PIEL BROS., Brooklyn, N. Y. Published December 14, 1923.

27,604.—*Title:* SHAMROCK. For Lemons. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif. Published April 7, 1924.

27,605.—*Title:* CALEDONIA. For Lemons. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif. Published April 7, 1924.

27,606.—*Title:* SPERRY OLYMPIC. For Cereals. PORTLAND FLOUR MILLS CO., Portland, Oreg. Published April 1, 1924.

27,607.—*Title:* TERRIER. For Citrous Fruits. RANDOLPH MARKETING COMPANY, Los Angeles, Calif. Published May 27, 1924.

27,608.—*Title:* SAVORY STEAM DOUBLE BOILER. For Double Boilers. THE REPUBLIC METALWARE COMPANY, Buffalo, N. Y. Published June 5, 1924.

27,609.—*Title:* PARFUM LILAS DE FRANCE. For Perfume. RITZ PERFUME CO., Brooklyn, N. Y. Published May 25, 1924.

27,610.—*Title:* FELLOWSHIP. For Oranges and Grapefruit. SOUTH LAKE APOPKA CITRUS GROWERS ASSOCIATION, Oakland, Fla. Published April 7, 1924.

27,611.—*Title:* CHEX FOOT TOILET WATER. For Toilet Waters. H. C. STEIN, doing business as The Foot Products Co., New York, N. Y. Published June 19, 1923.

27,612.—*Title:* OLD VIRGINIA STYLE BRUNSWICK STYLE STEW. For Old-Virginia-Style Brunswick-Style Stew. STURDIVANT PACKING COMPANY, Brownsville, Tenn. Published March 3, 1924.

27,613.—*Title:* TAYLOR'S HOME MADE CORN CAKES. For Corn-Cake Bars. JOHN R. TAYLOR, Portland, Me. Published May 10, 1924.

27,614.—*Title:* THE HOUSE THAT JACK BUILT. For a Container for Confections. UNITED STATES FOIL CO., INC., Louisville, Ky. Published February 8, 1924.

27,615.—*Title:* CHRISTMAS TINSEL. For Holiday Decorations (Large Size). UNITED STATES FOIL CO., INC., Louisville, Ky. Published January 3, 1924.

27,616.—*Title:* PULLMAN. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,617.—*Title:* BETTY ANNE. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,618.—*Title:* SANDWICH. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,619.—*Title:* WHOLE WHEAT. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published May 10, 1924.

27,620.—*Title:* UNCLE WIGGILY'S STATIONERY. For Stationery. FRED. A. WISH, INC., New York, N. Y. Published June 5, 1924.

PRINTS

REGISTERED JULY 15, 1924.

7,477.—*Title:* STOP A MINUTE AND STUDY THAT LABEL! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 11, 1924.

7,478.—*Title:* A NEW NOTE IN HOSIERY. For Hosiery. CADET KNITTING COMPANY, Philadelphia, Pa. Published June 3, 1924.

7,479.—*Title:* ON TIME SINCE 1881. For First-Mortgage Gold Bonds. COCHRAN & MCCLURE COMPANY, Chicago, Ill. Published May 4, 1924.

7,480.—*Title:* LES POUDRES DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published May 22, 1924.

7,481.—*Title:* $1000[00] GUARANTEED RAT AND MICE KILLER. For Insecticide for Killing Rats and Mice. B. HELLER & CO., Chicago, Ill. Published June 10, 1924.

7,482.—*Title:* BROMO-SELTZER NEEDLE BOOK. For Bromo-Seltzer. LUTHER E. MARTIN COMPANY, Baltimore, Md. Published June 7, 1924.

7,483.—*Title:* ROPER COMPLETE OVEN CONTROL. For Gas and Electric Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published March 20, 1924.

7,484.—*Title:* FIGURE THE DIFFERENCE. For Cotton Seed. SUMMEROUR & SON, Vernon, Tex. Published May 1, 1924.

7,485.—*Title:* FROST—WHEN IT COMES TOO SOON. For Cotton Seed. SUMMEROUR & SON, Vernon, Tex. Published May 1, 1924.

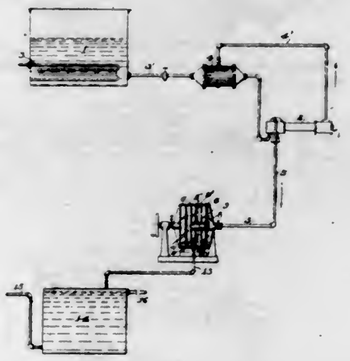
7,486.—*Title:* WHY IT MAKES MORE. For Cotton Seed. SUMMEROUR & SON, Vernon, Tex. Published May 1, 1924.

7,487.—*Title:* WHITMAN'S CHOCOLATE COVERED FRUITS AND NUTS. For Chocolate-Covered Fruits and Nuts. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published May 15, 1924.

REISSUES

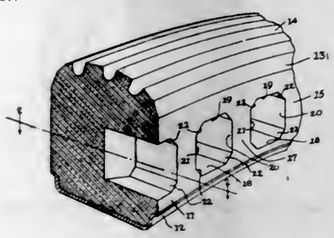
JULY 15, 1924.

15,871. METHOD FOR SEPARATING MIXTURES OF LIQUIDS. ERNEST I. DYER, Beverly Hills, and ARTHUR R. HEISE, Redondo, Calif. Filed Sept. 13, 1923. Serial No. 662,563. Original No. 1,242,784, dated Oct. 9, 1917, Serial No. 845,060. filed June 15, 1914. 11 Claims. (Cl. 196—25.)



1. The method of separating water from emulsified mineral oils which consists in forcing the water and oil mixture under pressure through infusorial earth and then allowing the water and oil to stratify by gravity.

15,872. CUSHION TIRE. WILLIAM A. BRUBAKER, Akron, Ohio. Filed Feb. 1, 1924. Serial No. 690,097. Original No. 1,414,252, dated Apr. 25, 1922, Serial No. 525,553. filed Dec. 29, 1921. 20 Claims. (Cl. 152—1.)



10. A cushion tire comprising an annular base region, an annular tread region, and an annular intermediate region disposed between said base region and said tread region and comprising a central peripherally extending rib and a plurality of fins extending laterally from each side of said rib in peripherally spaced relation with the fins on each side of said rib extending only from those portions of said rib disposed intermediate the portions of said rib from which extend the fins on the other side of said rib and with the spaces between said fins extending from the exterior of said tire substantially to the center line of said tire and with said rib thus relatively narrow.

DESIGNS

JULY 15, 1924.

65,155. STATUETTE. ANNE AGNES AVERY, Hollywood, Calif. Filed Apr. 12, 1923. Serial No. 5,791. Term of patent 3½ years.



The ornamental design for a statuette, as shown.

65,156. PLUG CLUSTER. REUBEN B. BENJAMIN, Chicago, and CHESTER E. WARNER, Berwyn, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 9, 1922. Serial No. 3,910. Term of patent 14 years.



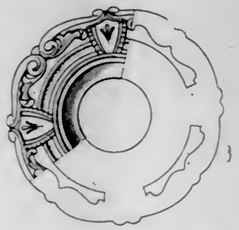
The ornamental design for plug cluster substantially as shown.

65,157. BOTTLE. EDOUARD P. BENOIS, Paris, France, assignor to Coty, Inc., New York, N. Y., a Corporation of Delaware. Filed May 3, 1923. Serial No. 6,043. Term of patent 14 years.



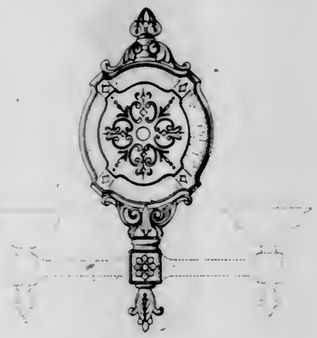
The ornamental design for a bottle substantially as shown.

65,158. HUSK FOR LIGHTING FIXTURES. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed May 7, 1924. Serial No. 9,512. Term of patent 3½ years.



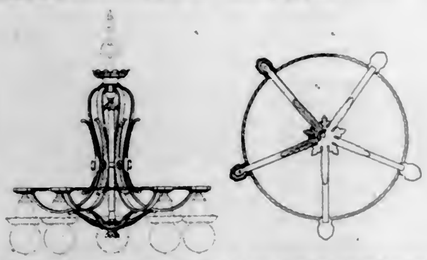
The ornamental design for a husk for lighting fixtures substantially as shown and described.

65,159. BACKPLATE FOR LIGHTING FIXTURES. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed May 7, 1924. Serial No. 9,513. Term of patent 3½ years.



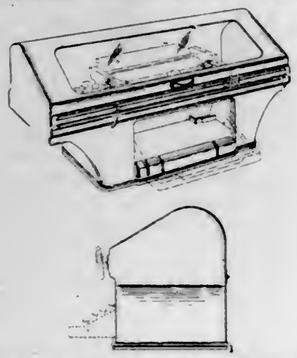
The ornamental design for a backplate for lighting fixtures substantially as shown.

65,160. CHANDELIER. HUGO E. BOHL, Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc., a Corporation of New York. Filed May 7, 1924. Serial No. 9,514. Term of patent 3½ years.



The ornamental design for a chandelier substantially as shown and described.

65,161. HOOD FOR TYPEWRITING MACHINES. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 2, 1921. Serial No. 519,524. Term of patent 14 years.



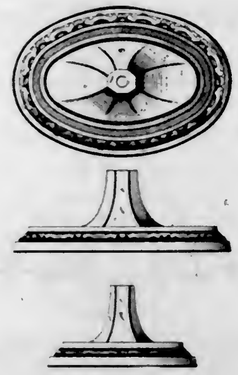
The ornamental design for a hood for typewriting machines, substantially as shown.

65,162. LAMP BRACKET. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,379. Term of patent 3½ years.



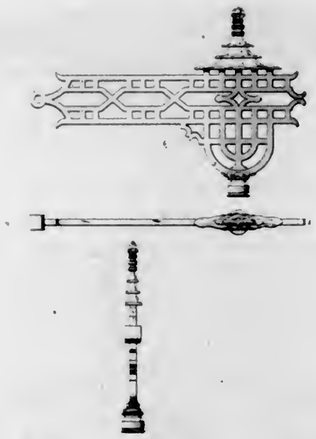
The ornamental design for a lamp bracket, as shown.

65,163. LAMP BASE. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,380. Term of patent 3½ years.



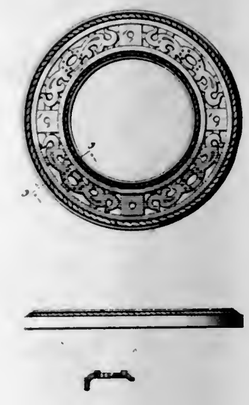
The ornamental design for a lamp base, as shown.

65,164. LAMP BRACKET. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,381. Term of patent 3½ years.



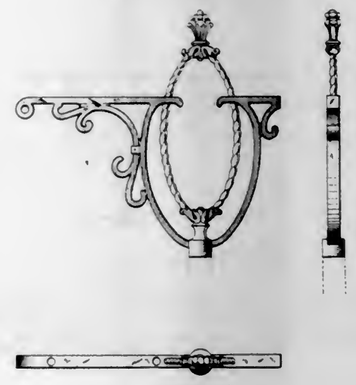
The ornamental design for a lamp bracket, as shown.

65,165. LAMP BASE. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,382. Term of patent 3½ years.



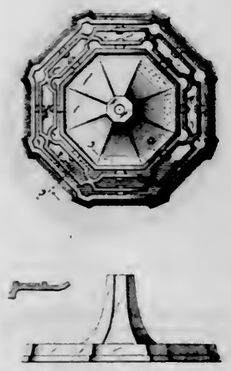
The ornamental design for a lamp base, as shown.

65,166. LAMP BRACKET. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,383. Term of patent 3½ years.



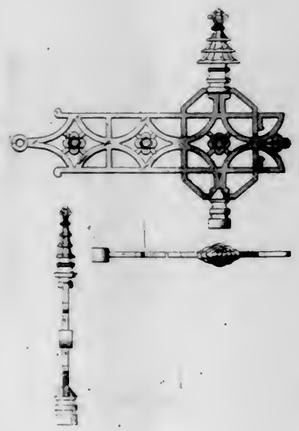
The ornamental design for a lamp bracket, as shown.

65,167. LAMP BASE. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,384. Term of patent 3½ years.



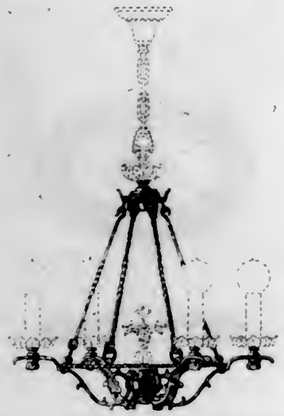
The ornamental design for a lamp base, as shown.

65,168. LAMP BRACKET. FRANK COLLINS, New York, N. Y., assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 9,385. Term of patent 3½ years.



The ornamental design for a lamp bracket, as shown.

65,169. LIGHTING FIXTURE. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Ferro-Art Lighting Fixture Co., Inc., a Corporation of New York. Filed Feb. 14, 1924. Serial No. 8,630. Term of patent 7 years.



The ornamental design for a lighting fixture, substantially as shown.

65,170. LIGHTING-FIXTURE ARM OR SIMILAR ARTICLE. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Ferro-Art Lighting Fixture Co., Inc., a Corporation of New York. Filed Feb. 14, 1924. Serial No. 8,631. Term of patent 3½ years.



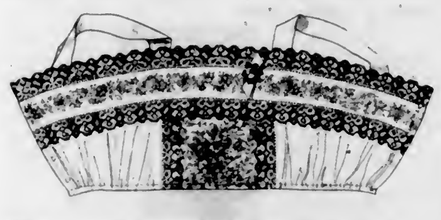
The ornamental design for a lighting fixture arm or similar article, substantially as shown.

65,171. BACKPLATE FOR LIGHTING FIXTURES. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Rogers, Silver Plate Co., a Corporation of Connecticut. Filed Mar. 24, 1924. Serial No. 9,049. Term of patent 7 years.



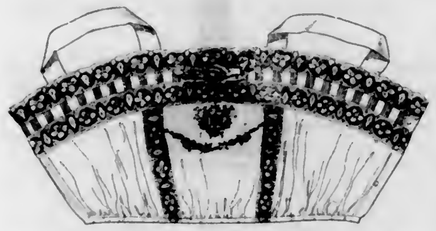
The ornamental design for backplate for lighting fixtures substantially as shown.

65,172. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,659. Term of patent 3½ years.



The ornamental design for a corset cover, as shown.

65,173. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,660. Term of patent 3½ years.



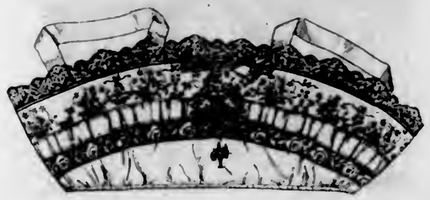
The ornamental design for a corset cover, as shown.

65,174. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,661. Term of patent 3½ years.



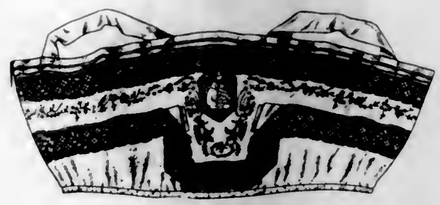
The ornamental design for a corset cover, as shown.

65,175. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,662. Term of patent 3½ years.



The ornamental design for a corset cover, as shown.

65,176. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,663. Term of patent 3½ years.



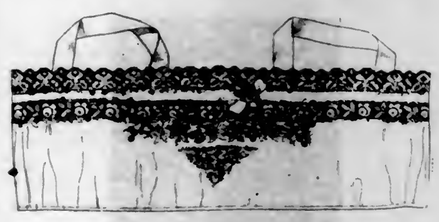
The ornamental design for a corset cover, as shown.

65,177. NIGHTDRESS. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,664. Term of patent 3½ years.



The ornamental design for a night dress, as shown.

65,178. CORSET COVER. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,665. Term of patent 3½ years.



The ornamental design for a corset cover as shown.

65,179. JACKET. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,666. Term of patent 3½ years.



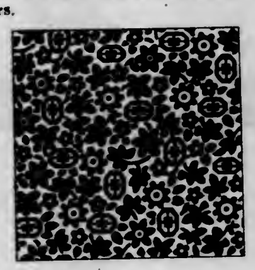
The ornamental design for a jacket, as shown.

65,180. CHEMISE. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,667. Term of patent 3½ years.



The ornamental design for a chemise, as shown.

65,181. TEXTILE FABRIC. GUSTAVE M. FAUSER, New York, N. Y., assignor to Tingue Manufacturing Company, New York, N. Y., a Corporation of Connecticut. Filed May 31, 1924. Serial No. 9,765. Term of patent 7 years.



The ornamental design for a textile fabric as shown.

65,182. CANDLESTICK OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Apr. 25, 1924. Serial No. 9,397. Term of patent 7 years.



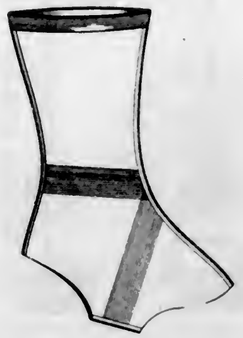
The ornamental design for a candlestick or similar article as shown.

65,183. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed May 26, 1924. Serial No. 9,712. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

65,184. ANKLET. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1924. Serial No. 9,001. Term of patent 14 years.



The ornamental design for an anklet, as shown.

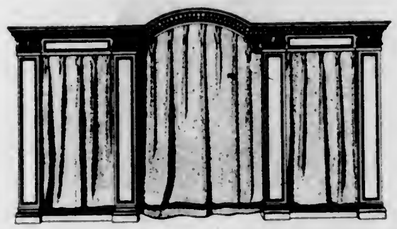
65,185. NEEDLE CASE. LEONARD MORGAN HAINES, Studley, England, assignor to William Hall & Company, Limited, Studley, England. Filed Sept. 21, 1923. Serial No. 7,283. Term of patent 14 years.





The ornamental design for a needle case, as shown.

65,186. SCREEN. MOSES HIRAM HARRIS, New York, N. Y. Filed Apr. 6, 1921. Serial No. 459,168. Term of patent 3½ years.



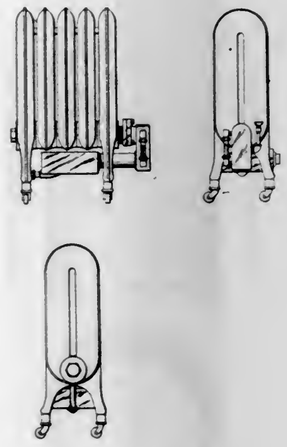
The ornamental design for a screen, as shown.

65,187. BOTTLE. CLAYTON J. HOWEL, Chicago, Ill., assignor to Orange Crush Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 28, 1924. Serial No. 8,467. Term of patent 14 years.



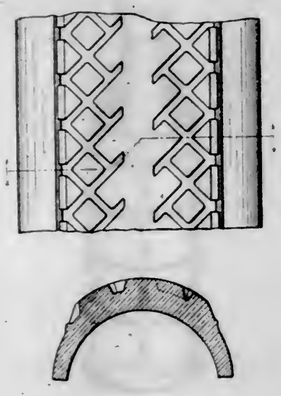
The ornamental design for a bottle, as shown.

65,188. ELECTRIC STEAM RADIATOR. ANSEL C. HULBERT, San Carlos, Calif. Filed Oct. 10, 1921. Serial No. 506,887. Term of patent 3½ years.



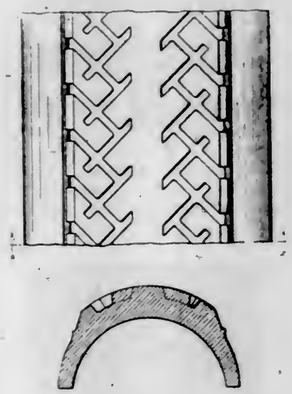
The ornamental design for an electric steam radiator, as shown.

65,189. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed May 17, 1924. Serial No. 9,632. Term of patent 7 years.



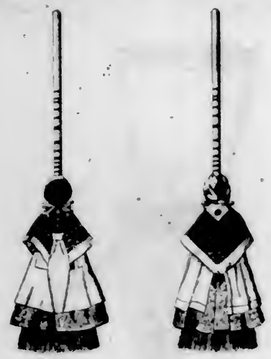
The ornamental design for a vehicle tire, as shown.

65,190. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed May 17, 1924. Serial No. 9,633. Term of patent 7 years.



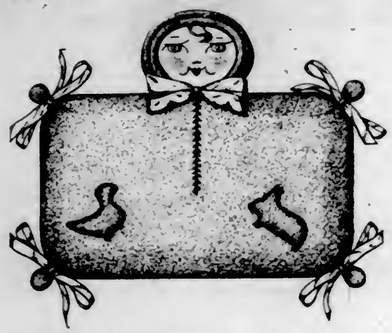
The ornamental design for a vehicle tire, as shown.

65,191. BROOM. MINNIE JENNINGS, Spartanburg, S. C. Filed May 10, 1924. Serial No. 9,548. Term of patent 3½ years.



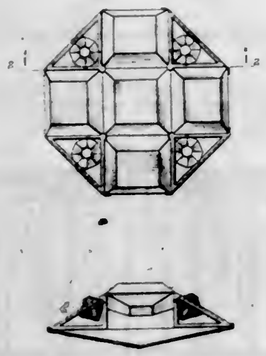
The ornamental design for a broom, as shown.

65,192. PILLOW. KATHERINE C. KLAR, Hartford, Conn. Filed May 15, 1924. Serial No. 9,595. Term of patent 3½ years.



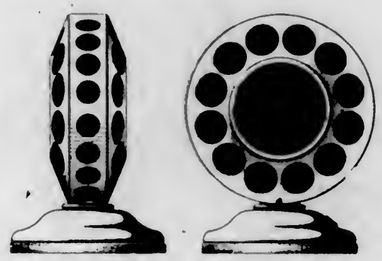
The ornamental design for a pillow, as shown.

65,193. PRECIOUS-STONE SETTING. ATHOS D. LEVERIDGE, Whitestone, N. Y. Filed Apr. 28, 1924. Serial No. 9,427. Term of patent 7 years.



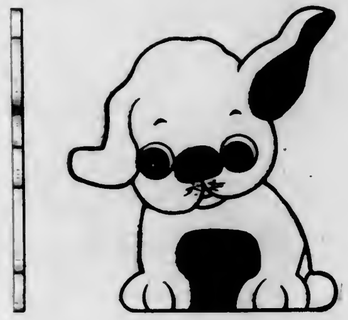
The ornamental design for a precious stone setting as shown.

65,194. CASING FOR A TELEPHONE TRANSMITTER. GEORGE R. LUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1922. Serial No. 3,874. Term of patent 14 years.



The ornamental design for a casing for a telephone transmitter, as shown.

65,195. TOY DOG. ADA R. JONES, Bozeman, Mont. Filed Mar. 14, 1921. Serial No. 452,346. Term of patent 14 years.



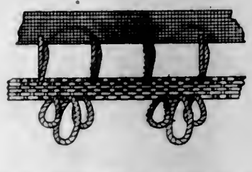
The ornamental design for a toy dog as shown.

65,196. FRAME FOR LAMP SHADES, LANTERNS, OR SIMILAR ARTICLES. NORMAN LIPSKY, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc., a Corporation of New York. Filed May 16, 1924. Serial No. 9,626. Term of patent 3½ years.



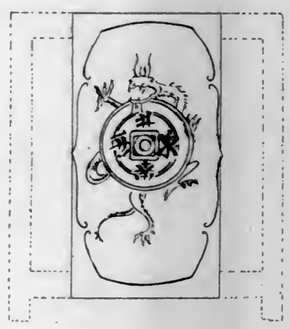
The ornamental design for frame for lamp-shades, lanterns, or similar articles substantially as shown.

65,197. TRIMMING BRAID FOR GARMENTS AND SIMILAR ARTICLES. MAX MITTENDORFF, Wyomissing, Pa., assignor to The Narrow Fabric Co., West Reading, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 1,110. Term of patent 14 years.



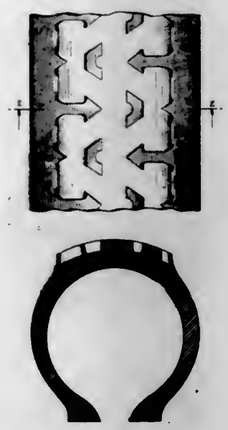
The ornamental design for a trimming braid for garments and similar articles, as shown.

65,198. PANEL FOR A CHAIR BACK. HAROLD P. NELSON, North Bergen, N. J. Filed Apr. 11, 1924. Serial No. 9,232. Term of patent 3½ years.



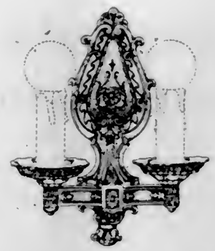
The ornamental design for a panel for a chair back as shown.

65,199. AUTOMOBILE TIRE. EDWARD D. NEWMAN, New York, N. Y. Filed June 29, 1922. Serial No. 2,894. Term of patent 7 years.



The ornamental design for an automobile tire as shown and described.

65,200. LIGHTING-FIXTURE BRACKET OR AN ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed May 16, 1924. Serial No. 9,618. Term of patent 3½ years.



The ornamental design for a lighting fixture bracket or an article of similar nature, as shown.

65,201. BUCKLE. CHARLES ROSENBLUM, Brooklyn, N. Y., assignor to Krischer's Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed May 10, 1924. Serial No. 9,551. Term of patent 7 years.



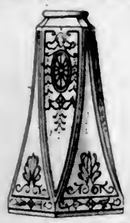
The ornamental design for a buckle as shown.

65,202. LIGHTING-FIXTURE PART OR SIMILAR ARTICLE. BERTRAM A. SEGAR, New York, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed Jan. 31, 1924. Serial No. 8,487. Term of patent 7 years.



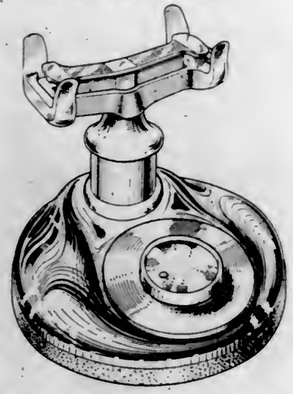
The ornamental design for a lighting fixture part, or similar article substantially as shown.

65,203. SALT SHAKER OR SIMILAR ARTICLE. ALWIN F. SOUTER, Hackensack, N. J., assignor to E. & J. Bass, Inc., a Corporation of New York. Filed Apr. 16, 1924. Serial No. 9,294. Term of patent 3½ years.



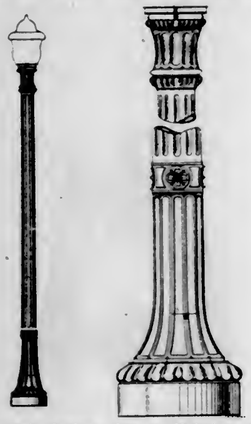
The ornamental design for salt shaker or similar article substantially as shown.

65,204. DESK STAND FOR HAND TELEPHONES. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 28, 1922. Serial No. 4,734. Term of patent 14 years.



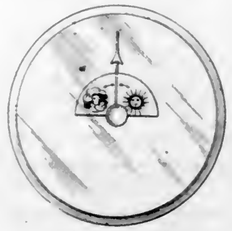
The ornamental design for a desk stand for hand telephones, as shown.

65,205. LIGHTING STANDARD. JOHN R. TOWNSEND, South Bend, Ind., assignor to George Cutter Company, a Corporation of Indiana. Filed July 13, 1922. Serial No. 3,065. Term of patent 14 years.



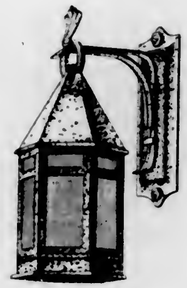
An ornamental design for a lighting standard as shown.

65,206. INDICATOR FOR BAROMETER. JOHANNES WIRTH, Hamburg, Germany. Filed Dec. 11, 1923. Serial No. 7,992. Term of patent 14 years.



The ornamental design for an indicator for barometer substantially as shown and described.

65,207. LANTERN. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,639. Term of patent 3½ years.



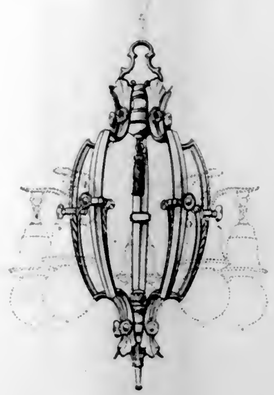
The ornamental design for a lantern, as shown.

65,208. CANOPY FOR LIGHTING FIXTURES. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,641. Term of patent 3½ years.



The ornamental design for a canopy for lighting fixtures, as shown.

65,209. LIGHTING-FIXTURE BODY. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,642. Term of patent 3½ years.



The ornamental design for a lighting-fixture body, as shown.

65,210. BOBESCHE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,644. Term of patent 3½ years.



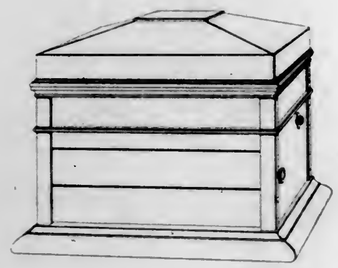
The ornamental design for a bobesche, as shown.

65,211. LAMP BASE. HERMAN H. WOLTER and GUY P. NORTON, Meriden, Conn., assignors to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,646. Term of patent 3½ years.



The ornamental design for a lamp base, as shown.

65,212. PHONOGRAPH CABINET. HULBERT A. YERKES, Forest Hills, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Apr. 23, 1923. Serial No. 5,902. Term of patent 3½ years.



The ornamental design for a phonograph cabinet, as shown.

PATENTS

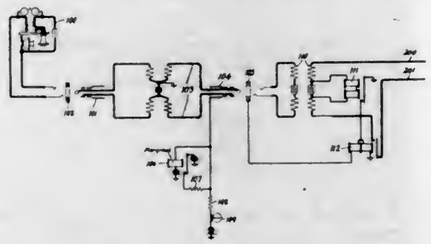
GRANTED JULY 15, 1924.

1,501,032. ACOUSTIC HORN. MAX ABRAHAMS, New York, N. Y. Filed Feb. 28, 1924. Serial No. 695,637. 2 Claims. (Cl. 181—27.)



1. An acoustic horn comprising a base form of textile fabric with a pile surface and having the desired shape and size, said form being impregnated with a water soluble filler giving rigidity to the form.

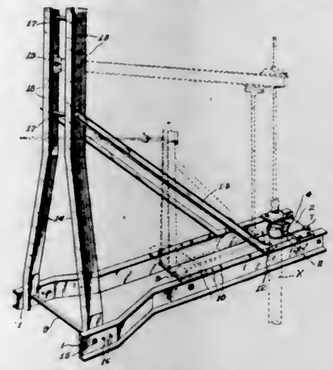
1,501,033. TELEPHONE-EXCHANGE SYSTEM. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,767. 13 Claims. (Cl. 179—27.)



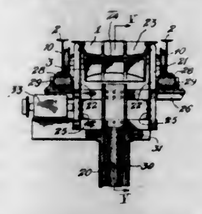
1. In a telephone system, a plurality of automatic selective switches, a number of switch controlling mechanisms each including, a plurality of variably operable registers, means for setting the registers of one of said mechanisms to establish a registration, means for operating the selective switches in accordance with said registration to extend a connection, a device, associable with the extended connection and common to said mechanisms, means controlled by said device for rendering ineffective a portion of said registration, a signal, and means controlled by said device for operating said signal.

1,501,034. JACK FRAME FOR OIL WELLS. ROBERT E. ALEXANDER, Tulsa, Okla. Filed Oct. 17, 1923. Serial No. 669,004. 4 Claims. (Cl. 74—5.)

1. In combination with a jack frame for oil wells, a casing clamp including a plate secured to the base of said frame, a jaw member removably secured to said plate, a U-bolt for gripping the well casing, means providing on said U-bolt coacting with said plate, for drawing the U-bolt toward said jaw member.

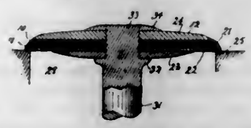


1,501,035. HOISTING AND CONVEYING DEVICE. DONALD SHIELDS ANDREWS, Cleveland, Ohio, assignor to Andrews Crane Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Dec. 5, 1921. Serial No. 519,823. 6 Claims. (Cl. 212—17.)



1. In a hoisting and conveying device, the combination of a track comprising spaced rails; a carriage mounted to travel along said track; a boom supporting mast pivotally suspended from said carriage for swinging movement with respect thereto; and means carried by said mast and engageable with said rails to limit the oscillatory movement of said mast.

1,501,036. POPPET VALVE. MICHAEL J. BOYLE, Chicago, Ill. Filed June 21, 1922. Serial No. 569,989. 11 Claims. (Cl. 123—188.)



1. In combination, an inwardly facing flat valve seat surrounding a gas engine port and a valve for the port comprising a group of centrally connected superimposed spring plates having their margins free, the undermost

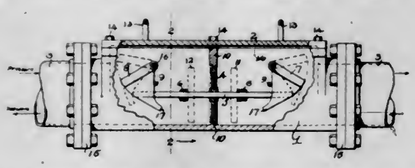
plate being larger than the port for contact of a continuous marginal portion of its undersurface with the valve seat under gas pressure applied to the group of plates in the direction to close the valve, and one of the intermediate plates having a circumferential series of apertures formed in its marginal portion, but not extending to the periphery of the plate.

1,501,037. SIFTER TOP FOR CONTAINERS. HENRY PEIRCE BRAWNER, Baltimore, Md. Filed Apr. 17, 1923. Serial No. 632,625. 1 Claim. (Cl. 221—63.)



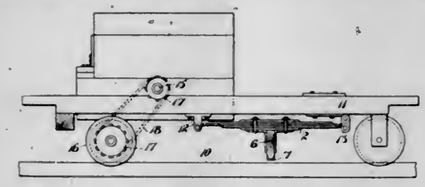
The combination with the closed neck of a container having a central apertured depression, there being an extension of the depression projecting to the margin of the neck, of an apertured valve disk rotatably seated in the depression, a tongue extending therefrom and movable within the extension of the depression, an apertured cap secured to the neck for retaining the disk in the depression, and an ear depending from the periphery of the cap for engagement by the tongue to hold the disk in either of two extreme positions.

1,501,038. PRESSURE AND VACUUM RELEASE VALVE. STEPHEN H. BROOKS, Cleveland, Ohio, assignor to The Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 29, 1922. Serial No. 564,508. 5 Claims. (Cl. 137—53.)



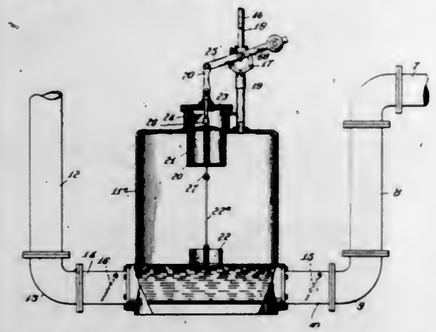
2. In automatic valves, a suitable casing having a valve opening therein, a double acting valve operable in and across such opening in axial alignment therewith, and means for predeterminedly setting the force limits under which the valve will move away from the valve opening in both directions, from outside the casing.

1,501,039. APPARATUS FOR COMPACTING CONCRETE. EDWARD G. CARR, Oakland, Calif. Filed Oct. 8, 1917. Serial No. 195,473. 1 Claim. (Cl. 94—49.)



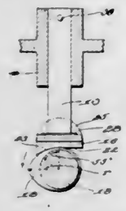
An apparatus for tamping concrete roadways in the course of manufacture, comprising a carriage, a vertically reciprocating tamping bar carried thereby, laminated springs for suspending said tamping bar from the carriage, and means for moving the tamping bar downwardly into engagement with the surface of the concrete mass, said springs acting to lift the tamping bar with such suddenness as to cause a suction to be applied thereby to the surface of the mass.

1,501,040. EJECTOR VALVE. JAMES W. COX, Wilmette, Ill. Filed Apr. 30, 1920. Serial No. 377,958. 3 Claims. (Cl. 103—246.)



3. In a device of the class described, a main valve casing of two diameters, an actuating piston in the portion of the casing of larger diameter, a valve sliding in the portion of smaller diameter, ports in the annular wall of the casing controlled by said valve, an outlet port in the end of the casing of smaller diameter than the casing, a projection on the face of the valve loosely entering said port whereby the air compressed between said casing, valve and projection cushions the stroke of the valve, an annular chamber surrounding the ports in the annular wall of the casing, there being an opening from said chamber, a piston in the portion of said casing or larger diameter, an opening in the casing for connection to a supply of compressed air, said opening being intermediate the valve and piston, a pilot valve, a connection from said pilot valve to the main valve casing behind the piston, said pilot valve controlling the last said connection.

1,501,041. INTERNAL-COMBUSTION ENGINE. HENRY H. CUTLER, Brookline, Mass. Filed Jan. 25, 1922. Serial No. 531,629. 9 Claims. (Cl. 123—90.)

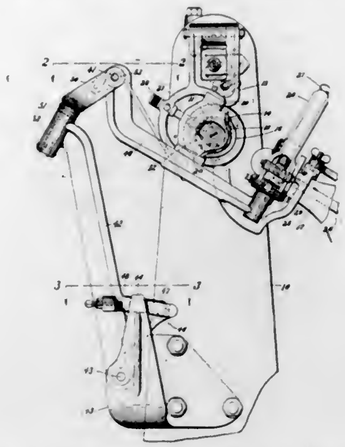


3. A push-rod for the valve stem of an internal-combustion-engine exhaust-valve having a cam-follower on the lower end thereof, said cam-follower having a plane surface tangential to a downwardly-concaved arcuate surface.

1,501,042. MACHINE FOR OPERATING UPON SHOES. RENÉ E. DUPLESSIS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 24, 1921. Serial No. 439,465. 11 Claims. (Cl. 12—87.)

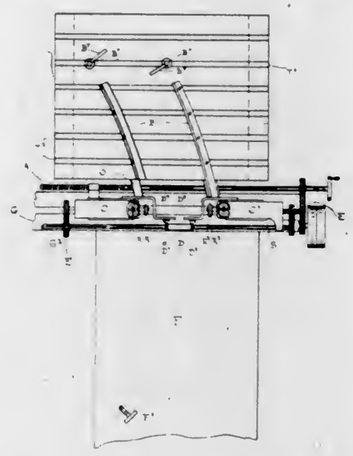
1. In a machine having a trimming tool for trimming an insole attached to a last, work-supporting means including a last-pin constrained so that its axis remains substantially parallel to a line but movable laterally by the last in every direction in a field operatively adjacent to said tool.

11. In a machine having a trimming tool for trimming an insole attached to a last, a stationary pivot-member, a carrier arranged to swing thereon, a bodily movable pivot member carried by said carrier, a secondary carrier carried by said movable pivot member, and a last-pin carried by said secondary carrier in co-



operative relation to said tool, said pivot members and said last-pin being constrained so that their axes remain substantially parallel during operation.

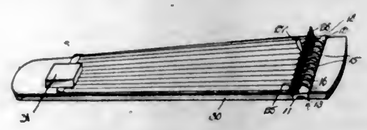
1,501,043. METAL-CUTTING MACHINERY. JOHN ANDERSON DUXBURY, Baildon, England. Filed May 8, 1923. Serial No. 637,457. 2 Claims. (Cl. 164—63.)



1. Sheet metal cutting machinery, comprising adjustable duplex rotary cutters, a front table over which the sheet to be cut is fed to the cutters, a rear table adapted to receive the sheet from the cutters, said rear table being provided with guides adapted to be set to the desired curve against which the cut edges will bear and which will guide the sheet to be cut as desired.

1,501,044. PLAIT HOLDER. MAX DWOIRIN, Chicago, Ill. Filed Oct. 4, 1923. Serial No. 666,609. 3 Claims. (Cl. 68—10.)

1. In a plait-holder, the combination of a frame adapted to be attached to an ironing board, with a series of plait-holding arms, carried by the frame; means for clamping plaits of a garment in position by means of



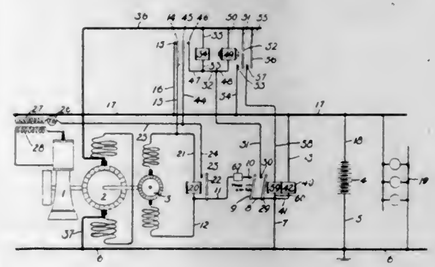
said arms; and means for releasing substantially simultaneously, all of said arms from clamping position.

1,501,045. RAZOR-BLADE SHARPENER. GEORGE G. FLOYD, Riverside, Ill. Filed Aug. 16, 1922. Serial No. 582,149. 5 Claims. (Cl. 51—58.)



1. In a razor-blade sharpener, the combination of a stropping-element, a first gear to turn said element, a rotary handle, two offset gear-sectors revolved by said handle, a revolubly-mounted second gear adapted to be intermittently engaged by one of said gear-sectors, a third gear in mesh with said second gear and adapted to be intermittently engaged by the other of said gear-sectors, an operative connection between said third gear and said first gear, and a blade-holder means, whereby turning of the handle in one direction only effects the oscillation of said stropping-element.

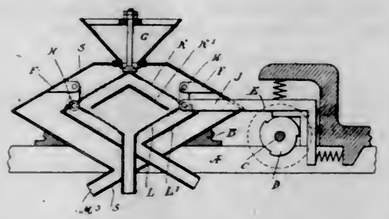
1,501,046. AUTOMATIC CONTROL FOR CHARGING SECONDARY BATTERIES. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,449. 2 Claims. (Cl. 290—30.)



1. An electric system comprising an accumulator, a dynamo electric machine for charging said accumulator, a prime mover for actuating said dynamo electric machine, an ignition system, means for starting said prime mover, a circuit including said accumulator and said dynamo electric machine, a relay having two windings cooperating to control the operation of said circuit, one of said windings being normally in circuit with said accumulator and also adapted to be energized by said dynamo, and the other of said windings adapted to be

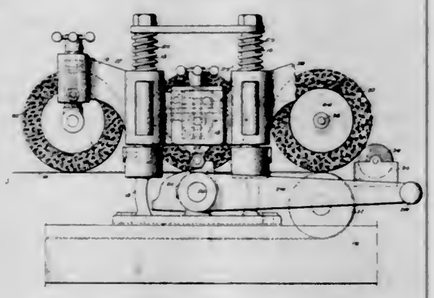
energized only by said dynamo, a circuit including said accumulator and said starting means; a circuit including said dynamo electric machine and said ignition system; and a main control relay for said circuits.

1,501,047. **SIEVING SCREENING AND SEPARATING DEVICE.** CHARLES EDWARD VINCENT HALL, Sheffield, England. Filed Sept. 16, 1922. Serial No. 588,533. 4 Claims. (Cl. 83—56.)



1. In a device for separating and grading grain, or other comminuted material, an outer casing, a vibrating member mounted within and suspended from said casing, said vibrating member consisting of a plurality of inclined foraminated plates arranged in spaced parallel planes, and along which the material falls by gravity, non perforated division plates mounted between said foraminated plates, a plurality of delivery ducts communicating with the spaces between said plates and terminating outside of said casing and means to subject said vibrating member to a combined horizontal and vertical vibratory oscillation.

1,501,048. MACHINE FOR STIPPLING. CHARLES G. HAMPSON, New York, N. Y. Filed June 13, 1921. Serial No. 477,009. 14 Claims. (Cl. 91—48.)



14. In a stippling machine, the combination of two rollers, each provided with a work face formed of a soft sponge, one of said rollers constituting a color applying roller for coating the material to be stippled and the other roller constituting a means for stippling the coated material.

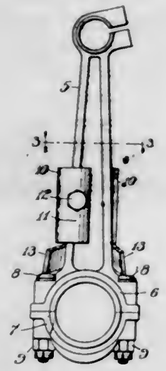
1,501,049. **PROCESS FOR PLATING STAINLESS STEEL AND ARTICLES PRODUCED THEREBY.** ALEXANDER HARPER, Bristol, Conn. Filed Dec. 24, 1921. Serial No. 524,700. Renewed July 17, 1923. 11 Claims. (Cl. 204—8.)

1. The process of finishing the hardened and smooth surface of an article composed of a ferrous alloy containing between nine per cent (9%) and sixteen per cent (16%) of chromium and carbon in quantity less than seven tenths per cent (.7%) comprising subjecting the surface of such an article to the action of an



acid that will render such surface relatively rough and then depositing a different metal upon such relatively rough surface by an electro-plating process.

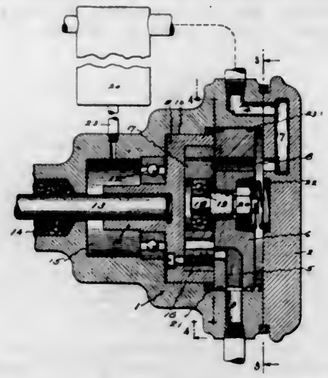
1,501,050. BOLT-HOLDER TOOL. JAMES S. HARRIS, Morgantown, Ind. Filed July 16, 1923. Serial No. 651,761. 8 Claims. (Cl. 81—13.)



1. A bolt holder for connecting rods of explosive engines, comprising a member arranged to be removably attached to the connecting rod above the bolts, and means carried by said member held into engagement by said member with the bolts to maintain the same in position during the assembling of the connecting rod bearing.

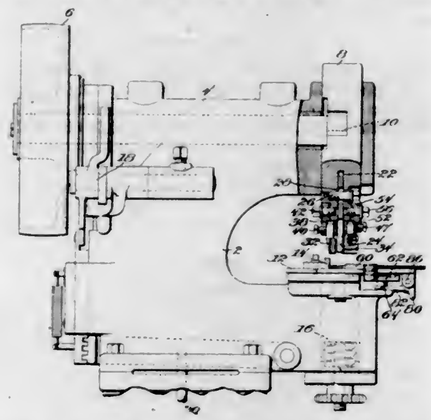
1,501,051. ROTARY PUMP-SEALING MEANS. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1923. Serial No. 670,702. 12 Claims. (Cl. 230—30.)

1. A rotary pump having a casing containing a chamber, co-acting pumping members rotatably mounted in said chamber, a sealing ring removably located in the chamber and encircling the pumping members, a plate



axially movable in the chamber, and means whereby said plate is pressed against the pumping members and said ring.

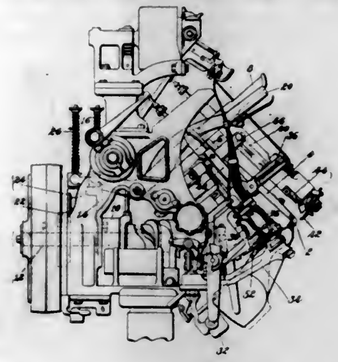
1,501,052. SOLE-FITTING MACHINE. MERTON E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1919. Serial No. 331,580. 17 Claims. (Cl. 12—40.)



16. A sole fitting machine having, in combination, a tool for operating on the sole and a work table having forepart gage mechanism comprsing gage arms pivoted beneath the table carrying gages overlying the table, means operating on said arms constantly tending to depress the gages, and means for turning the arms on their pivots to remove the gages from the table, whereupon said depressing means lowers the gages to or below the level of the table.

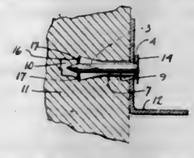
1,501,053. MACHINE FOR SHAPING UPPERS OVER LASTS. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 13, 1919, Serial No. 303,819. Renewed Nov. 23, 1923. 34 Claims. (Cl. 12—4.)

1. In a machine of the class described, the combination with last and upper positioning means, of upper pulling means comprising side gripper jaws having gripping faces arranged to extend rearwardly inward along the inward lateral curve of the edge of the shoe bottom at the rear end of the ball of the shoe, and means controlled by engagement with that portion of the shoe



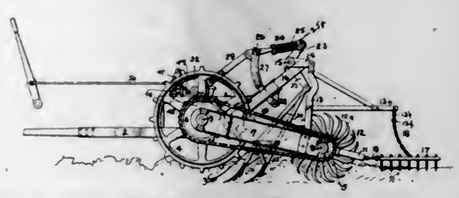
along which said faces extend rearwardly inward for fastening the margin of the upper substantially at the rear end of the ball of the shoe to hold it after it has been pulled.

1,501,054. NAIL FASTENER. JOHN KARITZKY, Garwood, N. J., assignor to Henry B. Newhall, Plainfield, N. J. Filed Jan. 3, 1923. Serial No. 610,457. 6 Claims. (Cl. 85—2.4.)



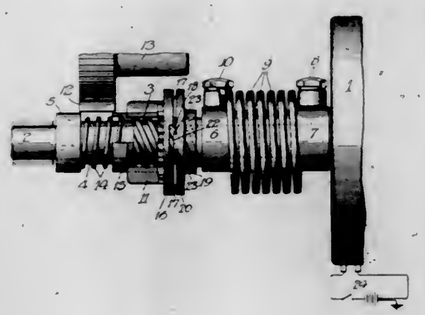
1. The combination of a nail fastener having two sides bent back on themselves to form a shield, said sides being adapted to be expanded in different directions, and a nail adapted to expand said sides first in one direction and a portion of said sides in another direction as the nail is driven into the shield.

1,501,055. PULVERIZER AND MULCHER. HERBERT M. LOFTON, Chattanooga, Tenn. Filed Aug. 20, 1919. Serial No. 318,684. 15 Claims. (Cl. 97—40.)



1. In a machine of the character stated, a main frame having a driving shaft and supporting wheels for rotating it, combined with means for mulching and pulverizing the soil, means for raising and lowering the said mulching and pulverizing means as required, the means for raising and lowering the means for mulching and pulverizing consisting of a crank, means for rotating the crank from the main shaft, means for arresting the crank in diametrically opposite positions and disconnecting the means for rotating it, whereby it may be held in lifting or lowering positions as required, and hand controlled means for putting the rotating means into and out of connection with the lifting and lowering crank.

1,501,056. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Feb. 10, 1921. Serial No. 443,772. 26 Claims. (Cl. 74—7.)



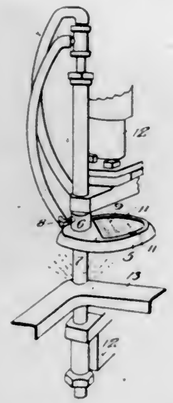
1. An engine starter drive including a rotatable driving shaft, a driving member mounted for free movement longitudinally thereof, a control member mounted for automatic longitudinal movement thereof and rotary movement therewith, and clutch means adapted to operatively connect the two members for positive driving when the driving member is stopped in its longitudinal movement, said two members being capable of free angular movement when they are in normal position.

1,501,057. MANUFACTURE OF SOLES FOR SHOES. EVERETT W. MCVICAR, Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 8, 1919. Serial No. 316,136. 15 Claims. (Cl. 12—146.)



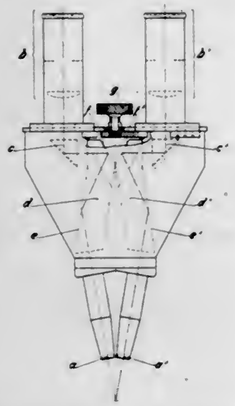
10. That improvement in methods of making rubber soles which consists in assembling in a mold a rubber compound sole blank and a sole reinforcing blank having a transverse slit in its shank portion, providing a metal device having the measurements of the forward portion of the shank stiffener, treating the metal device to enable it to resist vulcanization to a rubber body, projecting the said device through the said slit and between the said two blanks leaving a portion of the said device projecting rearwardly of the said slit, vulcanizing the sole, and then withdrawing the said device by means of the rearwardly projecting portion to produce a pocket subsequently to receive the forward portion of a shank stiffening element.

1,501,058. SHIELD FOR ELECTRIC-WELDING MACHINES. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1920. Serial No. 374,668. 10 Claims. (Cl. 219—8.)



1. A protecting shield for electric welding or other machines comprising a dish shaped body having an opening therethrough, a transparent plate forming a cover for said opening, means to secure said cover plate to said body, and means to attach said body to the machine.

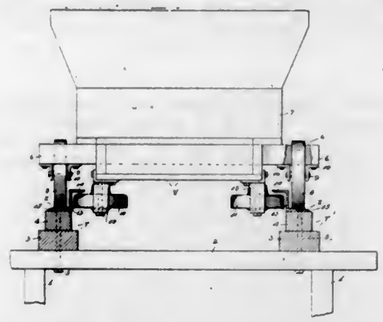
1,501,059. STEREOSCOPIC DOUBLE MICROSCOPE. CARL METZ, Wetzlar, Germany, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany. Filed June 2, 1922. Serial No. 565,485. 5 Claims. (Cl. 88—39.)



1. In a stereoscopic double microscope embodying a pair of convergent objectives in combination with a pair of parallel eyepieces, an image-erecting prism system between each objective and its eyepiece.

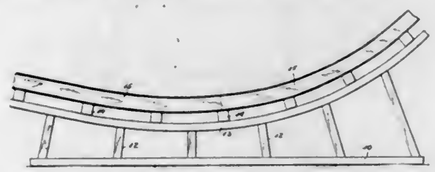
1,501,060. PLEASURE-RAILWAY STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed Feb. 1, 1924. Serial No. 689,866. 9 Claims. (Cl. 104—247.)

3. In a pleasure railway structure, the combination of a supporting structure, rails in the form of Z-bars having their lower flanges resting on said supporting structure and secured thereto and having their webs extending vertically and their upper flanges extending inwardly, a vehicle having vehicle wheels engaging on



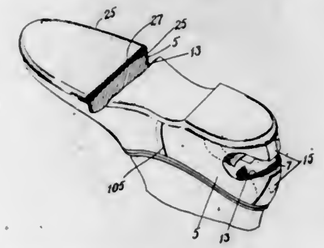
said lower flanges, and safety roller structures on said vehicle adapted to engage with the inner and under sides of said webs and upper flanges respectively.

1,501,061. PLEASURE-RAILWAY CONSTRUCTION. JOHN A. MILLER, Homewood, Ill. Filed Feb. 1, 1924. Serial No. 689,867. 4 Claims. (Cl. 238—48.)



1. In pleasure railway constructions, the combination of rigid supporting uprights spaced apart, a flexible rail beam resting on the top of and bridging between said uprights, cross ties engaging with said track beams intermediate said uprights, and rigid rail beams secured to said ties, said track beams flexing between said uprights to yield under load on said rails to thereby cushion the travel of cars over said rails.

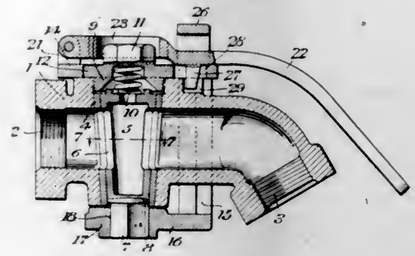
1,501,062. ART OF MANUFACTURING FOOTWEAR. CHARLES H. MORRILL, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 25, 1921. Serial No. 464,411. 17 Claims. (Cl. 12—142.)



1. A shoe of vulcanized material comprising an upper and a lining, the upper having a butt-joint at the rear portion thereof across which extends a flap of the lining.

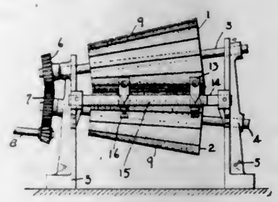
17. The method of making a vulcanized shoe which comprises cutting from vulcanizable material a one piece upper having a notch in that portion thereof which will lie at the rear of the finished shoe and of such shape that when the extremities of the upper are joined the joint will be located at the side of the shoe, joining the edges of the notch, joining the edges of the extremities of the upper and completing the manufacture of the shoe, including subjecting it to vulcanization.

1,501,063. ANGLE COCK. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,749. 17 Claims. (Cl. 251—165.)



1. In a valve device the combination of a valve casing, a rotative valve therein and extending beyond one side of the casing, a valve operating member extending around the casing and connected to the projecting end of the valve, a handle connected to the valve operating member on the opposite side of the valve casing from the connection between the valve and said valve operating member, and means for locking the handle to hold the valve in open or closed position.

1,501,064. COIL-BENDING DEVICE. GEORGE BANCROFT ROESCH, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 18, 1921. Serial No. 478,543. 14 Claims. (Cl. 140—105.)

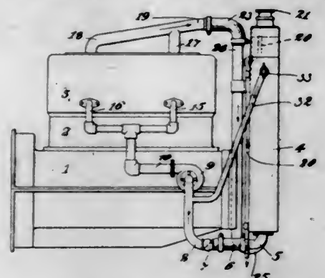


1. In an apparatus for shaping filamentary material, co-operating rollers adapted to form bends in a filament fed therebetween and means for feeding said filament between said rollers at different points of their engagement to vary the distance between the bends.

1,501,065. COOLING SYSTEM. SAMUEL W. RUSHMORE, Plainfield, N. J. Filed Dec. 7, 1920. Serial No. 428,885. 2 Claims. (Cl. 123—174.)

1. In a cooling system for internal combustion engines, a force feed water circulating system of small heat radiating capacity serially including a water jacket, a water outlet conduit from said jacket, a water container to which said outlet is connected, and a return conduit including a pump between said container and jacket, in combination with an air cooled element of large radiating capacity above said water container, interposed between it and an outlet for escape of air, steam and hot

water; and a reservoir interposed between the air cooled element and the air outlet, arranged to trap water



driven through the air cooled element in the operation of the device, and means for returning the trapped water to the cooling water circuit.

1,501,066. CLASP FOR RUBBER APRONS. EUGENE W. RUTHERFORD, New Haven, Conn., assignor to The Shoe Hardware Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 25, 1924. Serial No. 688,372. 2 Claims. (Cl. 241—19.)



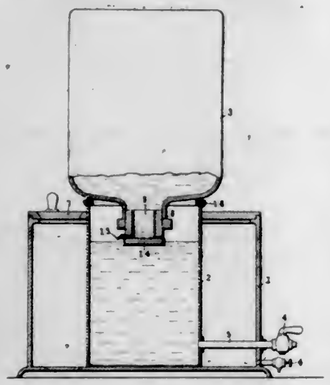
1. A clasp for holding the shoulder straps of an apron at their place of crossing, comprising a single piece to provide a central body member, and four members extending from and formed integral respectively with the four sides of the body member, two of the members being oppositely disposed to each other and folded over opposite one face of the central member to form an open slot therewith for the retention of one of the straps, and the other two of the four members being oppositely disposed to each other and folded over opposite to the other face of the central member to form an open slot therewith for the retention of the other strap.

1,501,067. FILING GUIDE CARD. ADOLF H. SCHAFFERT, Rochester, N. Y., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y., a Corporation of New York. Filed Mar. 8, 1923. Serial No. 623,617. 1 Claim. (Cl. 40—23.)



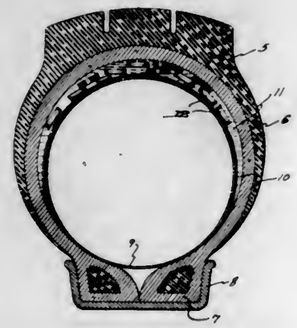
The combination with a guide card, of a label holder comprising two substantially co-extensive portions of sheet metal, the lower parts of which are positioned on opposite sides of the card, and means extending through the card for securing said parts each to the other, said portions being bent at the top of the card forwardly to form an offset and then rearwardly and upwardly to form a label receiving recess therebetween, the forward one of said portions having an opening therethrough near the upper edge to expose a label positioned in the label receiving recess.

1,501,068. LIQUID COOLING AND DISPENSING APPARATUS. WILLIAM A. SCHATZ, Astoria, N. Y., assignor to Rotax Co., Inc., New York, N. Y., a Corporation of New York. Filed May 4, 1921. Serial No. 466,784. 6 Claims. (Cl. 225—40.)



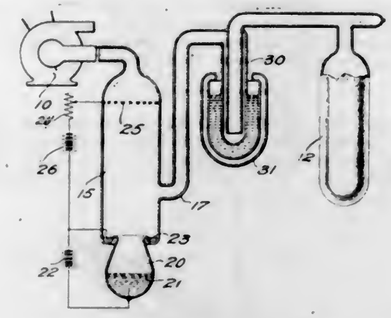
1. In a cooling and dispensing apparatus, in combination, a liquid vessel open at the top and having a draw-off at the bottom, a bottle for the liquid supported in inverted position on said vessel, a stopper for the neck opening of said bottle having hinged connection with the latter and including a buoyant valve member without the bottle neck for automatically sealing the liquid in said vessel from the liquid in said bottle when the liquid in said vessel rises to said valve, and an air-tight joint between said bottle and said vessel at the supporting connection therebetween.

1,501,069. PUNCTUREPROOF TIRE. JOHN H. SMITH, Detroit, Mich. Filed July 3, 1922. Serial No. 572,409. 2 Claims. (Cl. 152—13.)



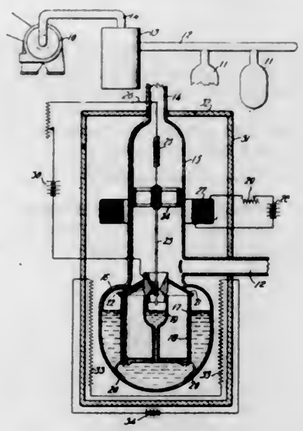
1. A tire having a casing and an air-containing portion within the casing, a wall spaced from the interior of the casing, a heavy viscous liquid arranged within such space and adapted to solidify upon contact with air, and a plurality of members of soft rubber within the liquid.

1,501,070. VACUUM PUMP. HOMER C. SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,621. 25 Claims. (Cl. 230—13.)



1. The method of pumping which comprises vaporizing a pumping medium and producing a flow of particles of said medium in response to an electric field applied thereto.

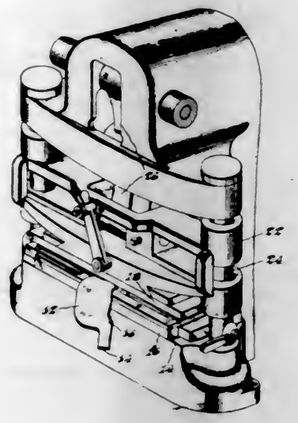
1,501,071. VACUUM PUMP. HOMER CLYDE SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 5, 1921. Serial No. 505,576. 27 Claims. (Cl. 230—13.)



1. In a pump, a pumping chamber having an inlet and an outlet, a pumping material, means for maintaining said material in molten condition and means for producing an arc having as one of its electrodes a small portion of said molten material, said arc being so positioned as to produce a vapor jet in said chamber traversing the mouth of said inlet.

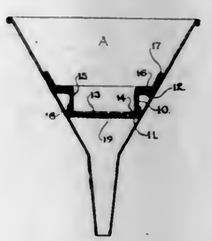
1,501,072. PREPARATION OF SHOE PARTS. HARRY R. STANBON, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 27, 1921. Serial No. 487,929. 23 Claims. (Cl. 164—93.)

1. The method of preparing shoe upper parts which comprises perforating a piece of shoe upper stock and at the same time punching a pair of jig holes therein in predetermined relation to the perforation, and dieing



out a shoe upper part from the stock by a cut positioned relatively to the perforation as determined by the jig holes.

1,501,073. FUNNEL STRAINER. AQUILA MOORE STEAD, Cordele, Ga. Filed Apr. 17, 1922. Serial No. 553,340. 3 Claims. (Cl. 210—158.)

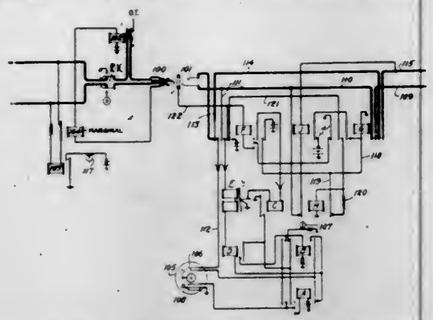


1. A strainer attachment for funnels comprising a shell like body member, a straining medium in the bottom thereof and a circular resilient gasket at the top thereof adapted to snugly engage the funnel for making a liquid tight joint, said shell like body consisting of outer and inner ring members secured together in telescoped relation and having their upper ends formed with outwardly extending flanges clampingly engaging said gasket.

1,501,074. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. RAY L. STOKELY, Floral Park, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1921. Serial No. 462,868. 23 Claims. (Cl. 179—27.)

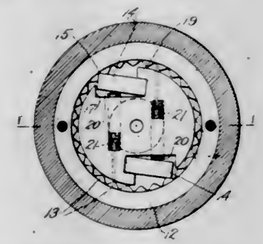
13. In a telephone exchange system, the combination with telephone lines automatic switches, groups of trunks, an operator's position, a lamp and an impulse

sender common thereto, a relay for automatically connecting the impulse sender to a trunk when the same is



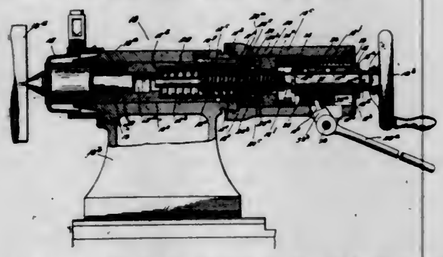
taken for use by an operator, and means automatically actuated as soon as any automatic switch encounters a busy trunk group for lighting said lamp.

1,501,075. DRILL. THOMAS E. STURTEVANT, Dover, N. J., assignor to McKiernan-Terry Drill Company, Dover, N. J., a Corporation of New Jersey. Filed Dec. 17, 1919. Serial No. 345,520. 18 Claims. (Cl. 121—7.)



1. Rotating mechanism for hammer drills, comprising in combination with a ratchet ring, of a pawl carrying head rotatable within said ring and provided with a seat in one side thereof, a pawl loosely fitting in said seat, a shoulder at one edge of the seat overstanding one end of the pawl to prevent outward displacement of the adjacent end of the pawl, and means at the other edge of the seat serving to guide the adjacent end of the pawl outwardly into engagement with the teeth of the surrounding ring.

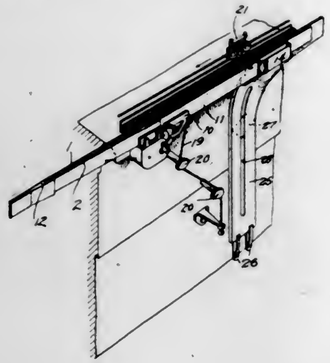
1,501,076. FOOTSTOCK. HERBERT E. TOWNSEND, East Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed May 31, 1923. Serial No. 642,495. 14 Claims. (Cl. 82—31.)



1. In a foot-stock, in combination with a work-holding member axially slidable on the foot-stock body, adjustable heavy resilient means to actuate said member for exerting comparatively heavy pressure when holding heavy work, and light resilient means to actuate said member for exerting comparatively light pressure when holding light work.

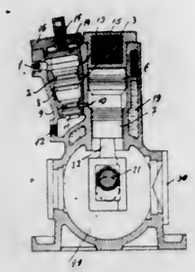
10. In a foot-stock, the combination of a work-holding member axially slidable on the foot-stock body, and resilient means for exerting pressure against said member to hold the work, comprising spring members of different resiliency and means to cause said spring members to exert their pressure successively.

1,501,077. CONVEYER. CHARLES L. VAN INWAGEN, Jr., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1920. Serial No. 429,255. 13 Claims. (Cl. 214—1.)



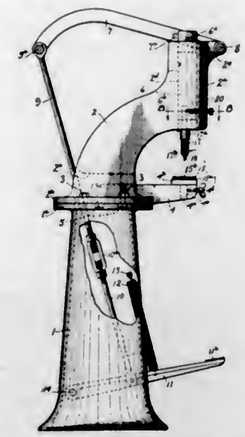
1. In a ticket distributing system including guides and spur guides, a ticket hoist comprising a pivoted hoist arm, means for holding said hoist arm in and raising it to its normal position, means for lowering said hoist arm and means for energizing said raising means by lowering said hoist arm.

1,501,078. HIGH-SPEED COMPRESSOR. JOHANN HEINRICH HERMANN VOSS, New York, N. Y. Filed Nov. 2, 1921. Serial No. 512,269. 2 Claims. (Cl. 230—32.)



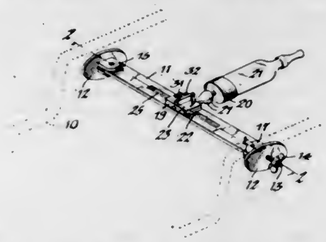
1. In a stage compressor, in combination, a low and a high pressure cylinder, a stepped piston in said cylinders, means for reciprocating said pistons, a valve case connected with said cylinders, suction and delivery valves in said case, and means for supplying fluid to, and discharging fluid from said valve case, said low pressure cylinder being provided with an insulating jacket, and said high pressure cylinder with a cooling jacket.

1,501,079. BRAKE-RELINING MACHINE. ROBERT A. WATERS and CHRISTIAN V. LUCIUS, Canton, Ohio. Filed June 29, 1921. Serial No. 481,234. 8 Claims. (Cl. 218—1.)



1. In a brake reliner, in combination with an anvil, an overhanging guide head, and a vertically movable plunger in the latter; a tool including a rivet driving stem and a split rivet carrying sleeve removably mounted on said plunger in cooperative relation to said anvil, a cooperating anvil block removably mounted on said anvil, and means for operating said plunger and regulating the length of the stroke thereof.

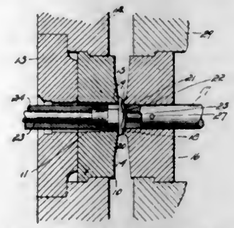
1,501,080. NURSING-BOTTLE HOLDER. MORRIS W. WICKHAM, Buffalo, N. Y. Filed Nov. 14, 1921. Serial No. 514,926. 1 Claim. (Cl. 248—65.)



A device of the character described, comprising a pair of brackets adapted to be attached to opposite walls of a baby-carriage or the like, each of said brackets being provided on its outer side with a screw-shank carrying a clamping nut, one of said brackets having on its inner side a substantially upright pivot-pin, a combined bottle-support and child-retaining member comprising a rigid cross bar mounted at one end on said pin to swing in a substantially horizontal plane and provided at its free end with means for securing it to the other bracket, and a bottle-holding device mounted on said cross bar.

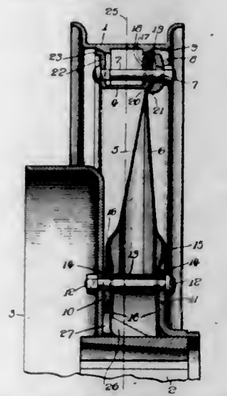
1,501,081. MEANS AND METHOD FOR TRIMMING BLANKS. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed July 1, 1921. Serial No. 481,846. 8 Claims. (Cl. 10—27.)

2. A die having an opening therethrough with cutting edges around the outer edge thereof, a punch, the axis of the die and punch being coincident, and a supplemental punch movably mounted within said punch,



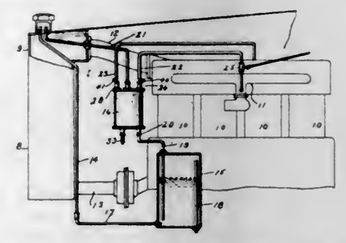
the end of the punch and supplemental punch both being concaved to correspond substantially with the shape of the convex face of the head of the blank.

1,501,082. DEMOUNTABLE-RIM DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor, to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 4, 1920. Serial No. 401,107. 6 Claims. (Cl. 301—23.)



1. In devices of the class described, the combination with a felloe of outwardly open channel form, of a wheel body of the disk type having its peripheral zone bent laterally over and closely fitting one flange of the felloe, a rim encircling said flange, a wedge interposed between the rim and flange and resting against the inwardly bent zone, and means for urging the wedge inward.

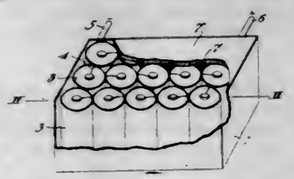
1,501,083. LIQUID-FEEDING DEVICE. ROBERT K. WINNING, Milwaukee, Wis., assignor, by mesne assignments, to Weeks Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 22, 1920. Serial No. 418,826. 13 Claims. (Cl. 123—25.)



1. In combination with an internal combustion engine having an intake manifold and a radiator provided with an overflow pipe, a supplemental tank connected to said

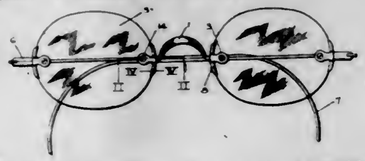
overflow pipe, an elevating tank in communication with supplemental tank, a return pipe connecting the elevating tank to the radiator, a vacuum pipe connecting the elevating tank to the intake manifold, a pressure pipe connecting the elevating tank to one of the cylinders of the engine, and valves controlling the vacuum pipe and the pressure pipe.

1,501,084. DRY-CELL BATTERY AND PROCESS OF ASSEMBLING THE SAME. FRANK H. WRIGHT and FREDERICK A. KELLER, New York, N. Y., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed May 25, 1922. Serial No. 563,618. 10 Claims. (Cl. 204—53.)



1. A battery comprising a casing, a plurality of cells therein, sealing material completely encasing said cells, and a reinforcing member of moisture-proof material in the portion of the sealing material under the cells.

1,501,085. LENS MOUNTING. WILLIAM J. WRIGHTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 554,950. 7 Claims. (Cl. 88—42.)



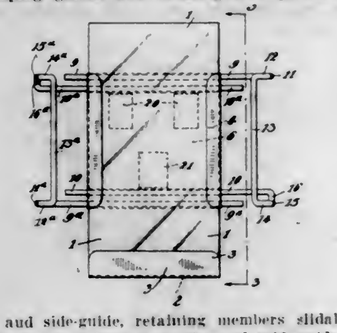
3. As an article of manufacture, a lens attaching clip comprising a lens edge engaging portion and lens face engaging ears carried thereby, said ears having fastener receiving apertures formed therein, and an adhesive liner for the edge and face engaging portions of the clip, said liner having a permanent inherent resiliency, whereby when a lens is secured within the strap by the adhesive the inherent resiliency of the adhesive will permit the lens to yield relative to the strap, without loosening and prevent breakage thereof by temporary fracturing strains.

1,501,086. GASOLINE-CLEANING COMPOSITION. JOSEPH ZIMMERMAN, Dayton, Ohio. Filed June 15, 1922. Serial No. 568,651. 1 Claim. (Cl. 87—5.)

A cleansing composition consisting of olive oil soap and water, two quarts; denatured alcohol, one and one half quarts; carbon tetrachloride, three eighths of a quart; and caustic soda and water, one eighth quart.

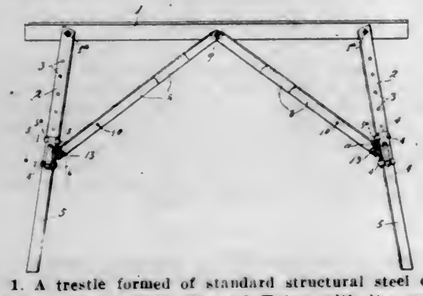
1,501,087. DISPLAY HOLDER. CARL JOHN ANDERSON, Ann Arbor, Mich., assignor, by mesne assignments, to Extenso Rack Corporation, Ann Arbor, Mich., a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,153. 5 Claims. (Cl. 211—14.)

1. In a display holder, a guide plate including a body portion, consisting of a plane sheet of metal having securing tabs punched and bent rearwardly thereof, and parallel edge portions bent forwardly, across and rearwardly to form edge-clamping guides; a shelf or support member, consisting of an L-shaped piece of sheet metal, including a shank with parallel edges slidably engaging said clamping guides and covering said punched body



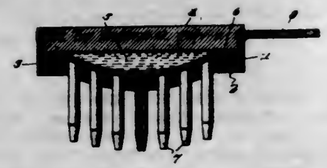
portion; and side-guide, retaining members slidably engaging the top and bottom portions of said guide plate.

1,501,088. TRESTLE FOR SUPPORTING A SCAFFOLD. HERMAN L. ANDERSON, Minneapolis, Minn. Filed Apr. 23, 1923. Serial No. 633,847. 2 Claims. (Cl. 304—6.)



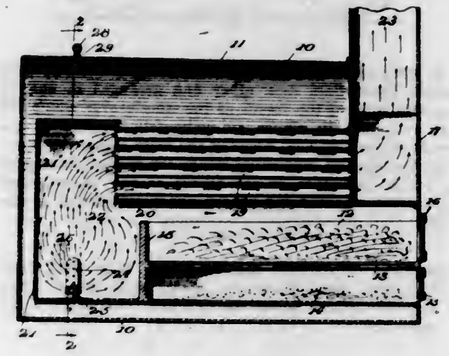
1. A trestle formed of standard structural steel comprising a horizontally disposed T bar with its central web disposed vertically and downwardly, a pair of supporting angle bars pivotally bolted through said web adjacent each end of said bar and alined at opposite sides thereof, said angle bars being bent outwardly adjacent their pivots to diverge downwardly and being provided with spaced holes through one side thereof, an extension angle bar fitting in and adjustable in each of said angle bars, latching means fitting into said holes to hold the latter bars in adjusted position, means extending between the bars of each pair of first mentioned angle bars, and a pair of bracing angle bars pivoted at each side of said web of said T bar adjacent its central portion the bars of each pair extending downwardly in opposite directions to one of the first mentioned angle bars and pivotally secured thereto, said bracing bars being adapted to be disconnected at one end and collapsed into close fitting relation with said T bar and with the supporting and extension angle bars when the trestle is in folded condition.

1,501,089. FOUNTAIN BRUSH. JOSEPH F. ANDREWS, Memphis, Tenn. Filed Apr. 6, 1923. Serial No. 630,254. 1 Claim. (Cl. 15—131.)



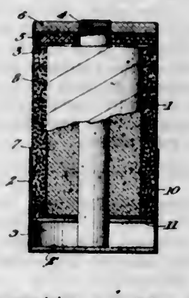
A body provided with a reservoir adapted to contain a treating medium, including a cap detachably secured to said body and forming the top closure for said reservoir, and a flexible, convex, apertured diaphragm forming the bottom closure of said reservoir, an absorbent pad clamped between said cap and said diaphragm, and preventing passage of the medium between said cap and said body, and normally preventing passage of the medium through the apertures of said diaphragm, and longitudinally channeled bristles secured to said diaphragm and communicating with the apertures therein, whereby pressure of said bristles against said diaphragm may force said medium through the bristles, substantially as described.

1,501,090. STEAM BLOWER. HUGH McC. BARR and GEORGE EDGAR, Pensacola, Fla. Filed May 2, 1921, Serial No. 465,983. Renewed Dec. 10, 1923. 1 Claim. (Cl. 110—79.)



A cleanout device of the character described comprising in combination with the back connection or combustion chamber of a furnace or boiler, a blower head mounted upon the bottom of the back connection or combustion chamber in spaced relation thereto and being curved to conform to the curvature of the bottom wall, a conduit for conducting steam from a source of supply to the blower head, a valve located exteriorly of the furnace or boiler for controlling the flow of steam through the conduit, and a valved intake connection for the conduit between the valve and the blower head, whereby a cleaning fluid may be supplied to the blower head when desired.

1,501,091. WATER-ACTIVATED RESERVE CELL. RAYMOND C. BENNER, Bayside, and HARRY H. THOMPSON, Flushing, N. Y., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed June 12, 1922. Serial No. 567,736. 7 Claims. (Cl. 204—38.)



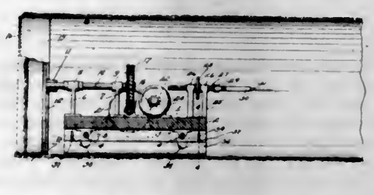
1. A dry cell comprising a container, a material therein capable of rapidly absorbing excitant liquid, and a cup adapted to serve as a measure for said liquid and as a bottom closure for the cell.

1,501,092. RAILWAY RAIL. HENRY B. BENT, Harrisburg, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1922. Serial No. 601,370. 3 Claims. (Cl. 238—145.)



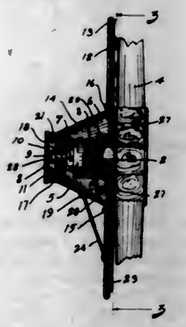
1. A railway rail having a head, guard, and intermediate groove, and a hard steel insert in the bottom of said groove, said rail and insert having interengaging portions whereby the insert is secured in possition without the use of securing devices.

1,501,093. COAL-CUTTING MACHINE. JOSEPH W. BLOWER, Columbus, Ohio. Filed Mar. 20, 1922. Serial No. 545,148. 2 Claims. (Cl. 262—7.)



1. In a machine of the class described, the combination with a wheeled truck, of a tubular saw rotatably supported by the truck, a vertically adjustable U shaped trough connected beneath the truck, a bracket having spaced arms mounted on said truck, a threaded shaft journaled in said arms, a hand wheel mounted on the shaft between said arms and radially extending arms pivotally secured to said shaft anchoring the shaft in the tunnel to cause the rotattion of the hand wheel to advance the truck and tubular cutter.

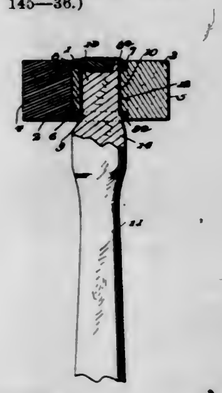
1,501,094. -ADVERTISING DISK FOR AUTOMOBILE WHEELS. EDWARD FRANKLIN BRAUCHER, Denver, Colo. Filed Feb. 9, 1924. Serial No. 691,648. 3 Claims. (Cl. 40—129.)



2. An advertising disk adapted to be applied to an automobile wheel, said disk being circular and provided with a central opening, a conical housing secured to the disk, said housing having a transverse wall near its

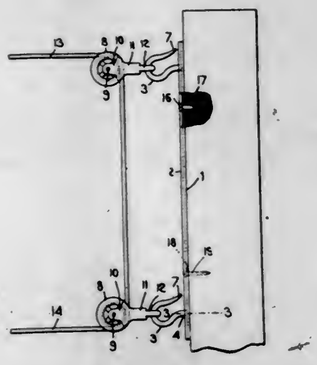
outer end, an opening in said wall for the reception of a ball-bearing, a plurality of rollers secured to said housing and disk, and a threaded cover secured to the outer end of the housing.

1,501,095. HAMMER. GEORGE F. BROCK, Hancock, Mich. Filed May 23, 1923. Serial No. 640,948. 2 Claims. (Cl. 145—36.)



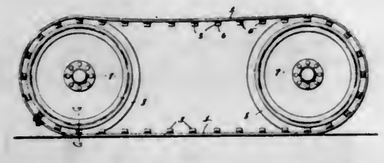
1. In a hammer, a head comprising two complementary sections, one of said sections being provided with a socket and the other section having a portion received in said socket, the lapped portions of the sections having alined openings extending transversely therethrough, thus providing an eye for the hammer head, and a bushing interfitting said eye and holding said sections in assembled relation.

1,501,096. CLOTHESLINE HANGER. ROLAND CAVICCHI, Quincy, Mass. Filed Oct. 27, 1922. Serial No. 597,298. 4 Claims. (Cl. 254—190.)



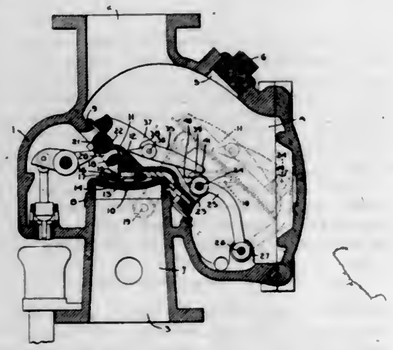
1. A clothes line hanger comprising a bracket having a base adapted to be secured to a support, a hook having a shank rotatably mounted in said bracket and a pulley provided with a pulley block having an eye embracing said hook thereby providing a universal support adapted to permit the pulley to operate with the line in any desired position, the point of said hook lying in such proximity to said base as to prevent the eye of the block from being removed from the hook when the end of the latter is over the bracket, but located at a sufficiently greater distance from the shank thereof than the distance from said shank to the edge of said bracket, whereby the eye of the pulley block can be readily applied to said pulley when the point thereof is swung beyond the edge of said bracket.

1,501,097. ENDLESS TRACK FOR TRACTORS. AURIN M. CHASE, Syracuse, N. Y. Filed Jan. 13, 1921. Serial No. 437,038. 1 Claim. (Cl. 305—10.)



A track or belt comprising endless flexible belts or webs spaced apart from each other and arranged to run on opposite sides of the treads of the wheels over which the belt runs and in planes approximately tangent to the treads of such wheels, whereby the belts engage the traction surface, and supporting means for the belts arranged to extend crosswise of the treads of the wheels, such supporting means being spaced apart lengthwise of the belts.

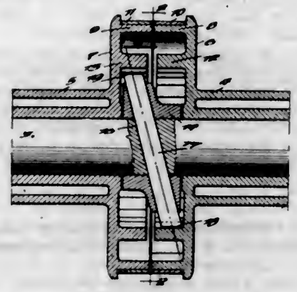
1,501,098. LOCKING MECHANISM FOR DRY-PIPE VALVES. EZRA E. CLARK, Newtonville, Mass. Filed July 12, 1922. Serial No. 574,489. 5 Claims. (Cl. 169—22.)



1. A dry pipe valve comprising a casing having a waterway therethrough and provided with a water valve seat and an air valve seat, a valve structure including an air valve and a water valve, link mechanism connecting said valve structure to said casing and acting upon unseating of the valves to guide the valve structure to open position outside of the waterway and locking members carried respectively by said link mechanism and the movable valve structure arranged to engage when the valves are swung to open position and thereby to prevent closing of said valves.

1,501,099. HOISTING MECHANISM. OMAR E. CLARK, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed May 25, 1923. Serial No. 641,415. 3 Claims. (Cl. 254—185.)

1. An automatic reversible hoist including a driving shaft, drums loosely rotatable with respect to the shaft, reversely disposed clutch elements carried by the drums, and a clutch member that extends transversely of the shaft and has portions on opposite sides of the same that respectively, alternately and automatically engage



with the clutch elements of the drums to rotate one drum in one direction and the other drum in the other direction when the shaft is correspondingly rotated.

1,501,100. STAMP HOLDER. JOHN JAMES COFFEY, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Oct. 10, 1922. Serial No. 593,579. 6 Claims. (Cl. 101—28.)

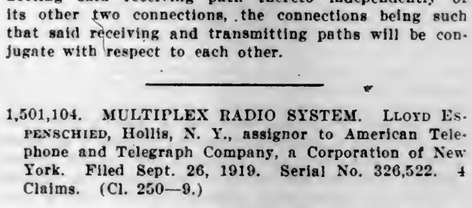
1. A stamp holder comprising a body provided with a slot adapted to receive a line of dies therein, a centering plate secured to each end of said body, each of said plates having two arms at its lower end which are arranged on opposite sides of the central longitudinal plane of said die receiving slot, whereby said holder may be centered on round stock.

1,501,101. PROCESS OF MAKING PEAT BRIQUETTES. FRED T. DOW, Bangor, Me. Filed Mar. 27, 1919. Serial No. 285,578. 1 Claim. (Cl. 44—37.)

The process of producing peat briquettes which consists in grinding or macerating undried peat and forming while still moist into relatively small pieces or fragments, drying the peat in its fragmentary form to remove the water therefrom, heating the dried peat in such fragmentary form to a temperature sufficient to cause the binding ingredient in the peat to become available for binding purposes and then pressing the heated peat while in such fragmentary form into briquettes of the desired size and maintaining the heat and pressure for an appreciable length of time.

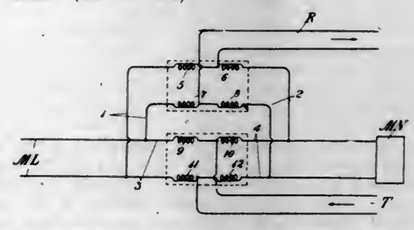
1,501,102. ILLUMINATED SIGN. LINDSAY DUNCAN and CURTIS P. UPTON, San Francisco, Calif. Filed Oct. 23, 1922. Serial No. 596,383. 1 Claim. (Cl. 40—130.)

A sign composed of characters having V-shaped sides, two electric lamps so disposed that one of them will project its rays against one side of the characters and the other one will project its rays against the other side of the characters, in combination with means for alter-



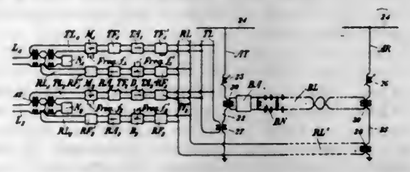
nately energizing and deenergizing the lamps, at a predetermined periodicity, whereby an apparent oscillating motion is given to the characters of the sign.

1,501,103. CONJUGATE SIGNALING CIRCUITS. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,519. 8 Claims. (Cl. 178—44.)



1. In a signaling system, a transmission circuit, an artificial line for balancing said circuit, a transmitting path, a receiving path, and a pair of bridge paths, each bridge path having three connections only, two connections of each bridge path being so arranged as to connect the bridge paths in parallel between said transmission circuit and artificial line, the third connection of one of said bridge paths connecting said transmitting path thereto independently of its other two connections, and the third connection of the other bridge path connecting said receiving path thereto independently of its other two connections, the connections being such that said receiving and transmitting paths will be conjugate with respect to each other.

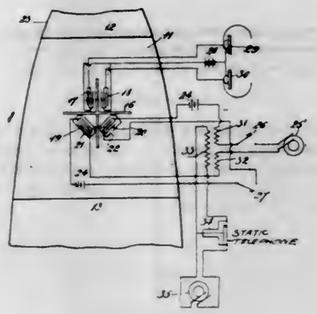
1,501,104. MULTIPLEX RADIO SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,522. 4 Claims. (Cl. 250—9.)



1. In a radio system, an antenna arrangement, a plurality of paths for superposing different transmitting frequencies upon said antenna arrangement, selective devices in each of said paths for maintaining frequency separation therebetween, a plurality of paths upon which different receiving frequencies may be impressed from said antenna arrangement, selective devices in each of said last mentioned paths for selecting to each path its proper frequency, means for balancing said antenna arrangement, whereby all of said transmitting paths may

be maintained substantially conjugate with respect to all of said receiving paths, a plurality of signalling circuits, and means for associating each signalling circuit with a transmitting path and corresponding receiving path.

1,501,105. SUBMARINE SIGNALING. REGINALD A. FESSENDEN, Brookline, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Mar. 23, 1918. Serial No. 224,288. 2 Claims. (Cl. 177—386.)



1. In the art of submarine signaling, means for producing and for detecting compressional waves in water, comprising a condenser having its dielectric and armatures of materials having their densities of the same order of magnitude as water; and said condenser being in operative relation to said water.

1,501,106. UNIVERSAL CONTACT BOX FOR WIRES. ERNEST GAILLEMIN, Vincennes, France. Filed Mar. 21, 1921. Serial No. 454,239. 2 Claims. (Cl. 173—340.)



1. An electric fitting comprising a body having slots and openings at an angle thereto, bifurcated members fitted in said slots and carrying pins, means passed through said openings and into the bifurcations of said members to engage wires disposed in said bifurcations, and a cover slidably mounted on said body and having an insulating member.

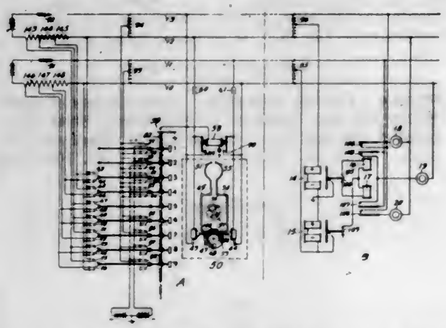
1,501,107. METHOD OF CONNECTING INSULATOR PARTS. MINOR F. H. GOUVERNEUR, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Apr. 27, 1922. Serial No. 556,981. 3 Claims. (Cl. 18—47.5.)

1. A method of connecting parts of an electric insulator, said method involving coating with water-proofing material the surfaces to be connected, filling the space between the surfaces thus coated with a hydraulic cement, allowing said cement to set, elevating the temperature of the cement sufficiently to cause the surfaces thereof which are in contact with said water-proofing material to absorb at least a portion of said water-proofing material, and applying water-proofing material to the exposed surface of said cement.

1,501,108. PROCESS OF CALCINING CARBON AND PRODUCTS THEREOF. VICTOR C. HAMISTER, Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1921. Serial No. 485,065. 16 Claims. (Cl. 176—133.)

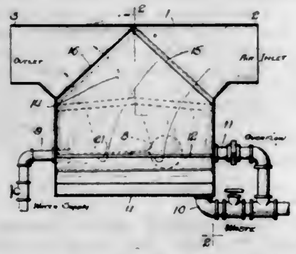
1. Process of calcining lampblack or like low-ash material, which comprises mixing the material with a fluid carbonizable binder to form a plastic mass, heating and tumbling the mixture under conditions adapted to expel volatile matter and form hard rounded nodules, and then heating the nodulized material to a red heat while tumbling it to expel additional volatile matter.

1,501,109. SWITCHING SYSTEM. JOHN B. HARLOW, Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 24, 1919. Serial No. 306,406. 9 Claims. (Cl. 177—386.)



1. In a switching system, a phantom circuit, a selecting station associated therewith, a receiving device associated with each physical circuit of the phantom circuit, a source of current connected to each physical circuit, a plurality of selectable stations also associated with the phantom circuit, a plurality of vibration responsive devices at each selectable station, means at the selecting station for selectively and simultaneously supplying different combinations of current polarities to the phantom circuit, and means at each selectable station individually responsive to the application of a particular combination of currents at the selecting station to selectively associate said vibration responsive devices in pairs with the physical circuits.

1,501,110. AIR WASHER. BURT S. HARRISON, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,272. 4 Claims. (Cl. 183—24.)



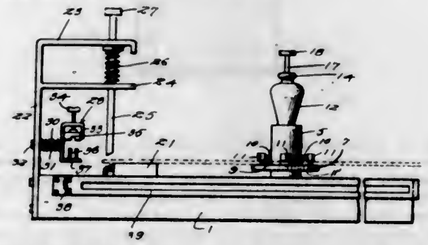
1. An apparatus of the class described constructed to include a plurality of alternating narrow parallel air inlet and outlet passages, communication being provided between these passages at their lower ends due to the

pressure of the air upon the water surface at said lower edges, vertical partitions extending along the lower ends of the air inlet passages and downwardly to below the normal water level.

1,501,111. PRODUCTION OF CARBON. ALICE MARION HART, London, England, assignor, by mesne assignments, to Edmund R. Cummins, Worcester, Mass. Filed July 7, 1922. Serial No. 573,479. 9 Claims. (Cl. 44—1.)

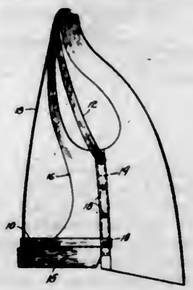
1. A process of carbonizing carbon containing materials, for the production of carbon, consisting in treating the materials to be carbonized with a metallic salt of a nature to prevent immediate combustion of the material but permit carbonization thereof under heat, and then subjecting the mass to heat in the presence of air.

1,501,112. SAW SET AND JOINTER. JOHN D. HARTWIG, Olean, N. Y. Filed Jan. 17, 1924. Serial No. 686,868. 3 Claims. (Cl. 76—48.)



1. A device of the class described comprising a base, a carriage longitudinally adjustable on said base, a post extending upwardly from said carriage, the upper end of said post being hollow and terminating into an internally threaded neck portion, means on the outer face of said post for supporting a saw blade, fingers extending radially from the upper end of said post and adapted to engage the upper face of said saw blade for holding the same against upward movement on said post, means for normally holding said fingers in an inoperative position, and a bolt adapted to be threaded into the internally threaded neck portion of said post for holding said fingers in an extended operative position.

1,501,113. WEARING APPAREL. DAVID H. HODES, New York, N. Y. Filed Jan. 27, 1922. Serial No. 532,135. 8 Claims. (Cl. 2—102.)



8. A skeleton vest comprising front sections merging above into a collar piece, detachable fasteners arranged along said collar piece, said front sections being provided along the rear edges thereof with resilient supporting means, detachable fasteners arranged in vertical series along the resiliently supported rear edge of each of said front sections, a strap connecting the lower ends of said resiliently supported edges of said front sections, a strap connecting the upper end of the resiliently supported edge of each front section to said collar piece, and a detachable back provided with suitable fasteners for releasably engaging the fasteners on said collar piece and on each of the resiliently supported rear edges of said front sections.

1,501,114. CORN-POPPING MACHINE. WILLIAM GARFIELD HOWE, Des Moines, Iowa. Filed June 18, 1923. Serial No. 646,116. 14 Claims. (Cl. 53—4.)



1. In a corn popping machine, a casing, corn popping mechanism therein, means for supplying corn to said popping mechanism from outside the casing, means for causing said corn popping mechanism to discharge the popped corn into the lower part of the casing, said casing having a discharge opening adapted for discharge into the mouth of a sack, and means independent of the popping mechanism for moving the popped corn to position to be discharged through said opening.

1,501,115. PROTECTIVE ARRANGEMENT FOR ELECTRIC DISTRIBUTION AND TRANSMISSION SYSTEMS. PHILIP VASSAR HUNTER, Purley, England. Filed Jan. 20, 1921. Serial No. 438,728. 6 Claims. (Cl. 175—294.)

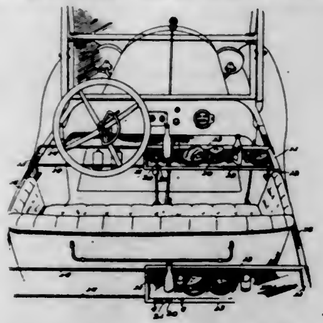


1. A protective arrangement for a three phase four-conductor electric distribution or transmission system wherein two of the four conductors constitute the split conductors in one phase, comprising two transformers one at each end of the split conductors, which are connected through the opposed primary windings of the transformers, relays operated by the secondary windings thereof, circuit breakers in all three phases controlled by the relays, and balancing transformers having at least two windings, one of which is in circuit with one split conductor and one with one unsplit conductor, so that the circuit breakers are operated on the occurrence of a fault in the system.

1,501,116. SERVING TRAY FOR AUTOMOBILES. ARTHUR MONTGOMERY INGE, Memphis, Tenn., assignor of one-fourth to William J. Bacon, one-fourth to L. D. Bejach, and one-fourth to Tyler McLain, all of Memphis, Tenn. Filed Mar. 15, 1922. Serial No. 543,884. 1 Claim. (Cl. 45—51.)

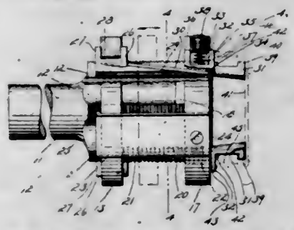
A serving tray for automobiles having a rectangular body provided with rolled side edges forming tubular channels, and with flanged ends one of which has a down-turned engaging lip, a U-shaped supporting frame including side rods slidably disposed within the tubular channels of the tray, and a cross bar on the outer ends

of the side rods, the latter of which is downwardly deflected to form an engaging lip and relatively engaging means carried by the inner ends of the side rods and the tray to secure the supporting frame in the extended position against complete withdrawal of the side rods from the channels, said means including gravity latch



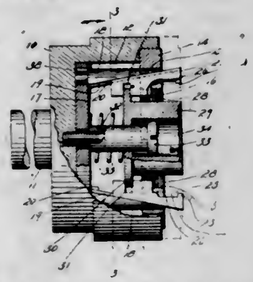
members pivotally mounted intermediate the ends thereof within slots in the inner ends of the side rods said members having upper inturned hooks arranged to enter slots in the upper surfaces of the rolled side edges of the tray and having their opposite ends weighted and adapted to enter lower slots of the side edges of the tray offset longitudinally with respect to the said upper slots thereof, as described.

1,501,117. TAP AND CUTTER. CHARLES G. JOHNSON, Worcester, Mass. Filed June 13, 1922. Serial No. 568,014. 17 Claims. (Cl. 10—128.)



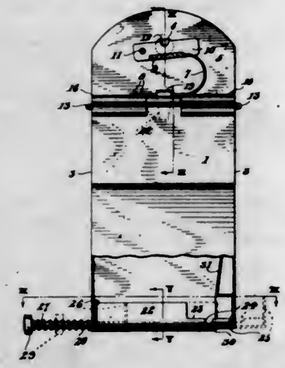
6. In a device of the character described, a tap; a cutter connected therewith; means for moving said cutter radially relatively to said tap, comprising inclined planes held in a fixed position relatively to said tap; and means for adjusting the endwise position of said inclined planes.

1,501,118. DIE AND CUTTER. CHARLES G. JOHNSON, Worcester, Mass. Filed June 13, 1922. Serial No. 568,015. 19 Claims. (Cl. 10—87.)



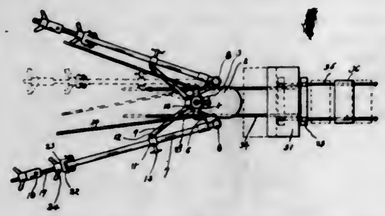
10. In a device for threading the exterior of an article and cutting a groove around the outside thereof adjacent to the threaded portion; a die; a cutter movably connected therewith; and means actuated by the movement of the die for moving said cutter radially relatively to said die so that said cutter will project inwardly beyond the threaded portion thereof.

1,501,119. MATCH BOX. STEPHEN KAMENEC, Derry, Pa. Filed Mar. 29, 1923. Serial No. 628,523. 2 Claims. (Cl. 206—24.)



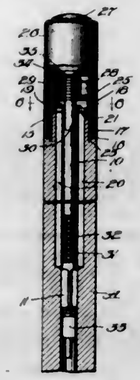
1. In a match dispensing apparatus, a receptacle, the lower end of the receptacle tapering to form a transverse U-shaped pocket open at one end, a drawer longitudinally slidably mounted in the pocket and open at its upper side for the deposit of matches from the receptacle and adapted to be projected through the open end of the pocket, the drawer being substantially U-shaped in cross section with the sides thereof adjacent the projected end cutaway to facilitate removal of matches therefrom, means carried by one end of said drawer and projecting through an aperture in the closed end of said pocket for manually operating said drawer, and means associated with said last mentioned means and said closed pocket end for returning said drawer to its inoperative position.

1,501,120. TRACTION APPARATUS. EDUARD H. KAERER, Milwaukee, Wis. Filed Mar. 17, 1921. Serial No. 453,148. 4 Claims. (Cl. 128—84.)



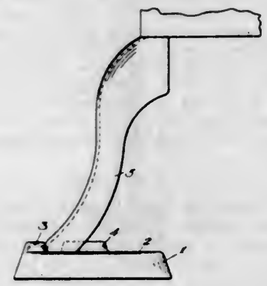
1. A traction apparatus comprising a body portion having a base adapted to rest upon a support, a seat carried by said base portion, a pair of traction bars pivotally joined to said base portion at spaced points approximately aligning with the hip pivot points of the patient, means for adjusting the angular position of said traction bars and locking them in such adjusted position, means carried by the traction bars adapted to rest upon the support, removable pins adjustably carried by said traction bars and adapted to be strapped to the feet of a patient, and movable means for retaining the patient against longitudinal motion, said means being movable with respect to said body portion and seat and pivotally attached with respect to said seat, whereby a plaster cast may be formed about the legs of the patient while they are in an extended position and whereby the patient and cast may be readily removed from the machine by removing said pins and moving said retaining means out of the way.

1,501,121. PENCIL. CHARLES R. KEERAN, Chicago, Ill., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 3, 1921. Serial No. 489,481. 1 Claim. (Cl. 120—18.)



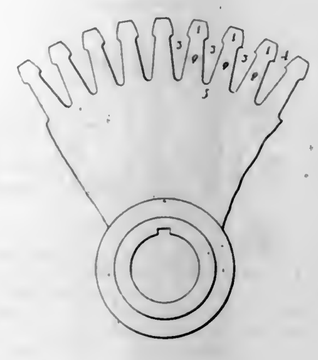
A pencil having a body the upper end of which is externally recessed, a cap overlying said body end and formed with cylindrical walls which are disposed in the recess, a collar surrounding the cap walls also disposed within the recess so as to lie flush with the body, an inseparable slip connection between the collar and cap, screw threads formed on the collar, a head having screw threads adapted to connect with the collar, and means extending from the head into the interior of the pencil body for actuating propelling mechanism therewithin, substantially as described.

1,501,122. LEG REST FOR FURNITURE. ORTON C. LITTLE, Menasha, Wis. Filed Dec. 3, 1921. Serial No. 519,651. 4 Claims. (Cl. 45—137.)



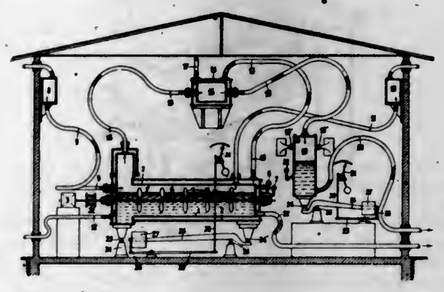
1. A leg rest comprising a circular base portion having a flat surface adapted to rest upon the floor in a position of stability thereon, and also having upwardly tapering sides and a flat top surface provided with a pair of upward projections shaped to fit respectively against the inner and outer surfaces of a leg and spaced apart to receive between them the base of the leg.

1,501,123. TOOTHED WHEEL WITH RESILIENT TEETH. FREDRIK LJUNGSTRÖM, Brevik, Lidingon, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Feb. 2, 1920. Serial No. 355,640. 1 Claim. (Cl. 74—41.)



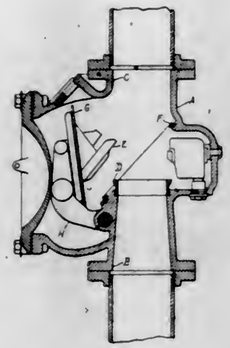
In toothed wheels, wherein all the teeth are made in one piece and are resilient by means of the tooth spaces being deeper than required by the normal tooth profile, the combination of spiral cut teeth with webs integral with the wheel and being narrower in peripheral direction than the teeth at the taper between the tooth and the web.

1,501,124. DEVICE FOR INDICATING THE LEVEL OF LIQUID IN HIGH-PRESSURE VESSELS. STEPHAN LÖFFLER, Charlottenburg, near Berlin, Germany. Filed Apr. 2, 1923. Serial No. 629,523. 6 Claims. (Cl. 265—61.)



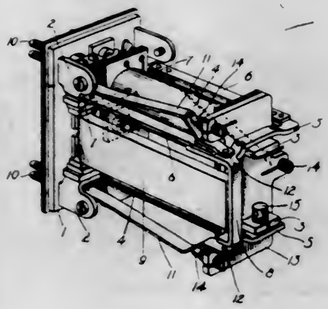
1. The combination with a vessel adapted to resist high pressure, means for introducing material into said vessel, means for supplying energy to said vessel to promote a change in the material contained therein, of a balance system supporting said vessel, said balance system constructed and arranged to be in equilibrium with the weight of the vessel and a definite amount of material therein, and means for translating the relative movement of the vessel and the balance due to variation in the amount of material in the vessel to indicate the quantity of material therein.

1,501,125. VALVE FOR AUTOMATIC SPRINKLER SYSTEMS. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1919. Serial No. 287,469. 8 Claims. (Cl. 169—22.)



1. A valve of the character described, comprising a casing provided with a converging inlet and a straight course thence to the outlet, and a clapper adapted to move out of said course in opening; the outlet being larger than the converged cross-section of the inlet.

1,501,126. POLARIZED RELAY. NOEL H. LYSONS, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,486. 7 Claims. (Cl. 200—93.)



1. A polarized relay comprising a permanent magnet, a plurality of cores, a winding for each core, a plurality of armatures, and a yoke magnetically connecting the armatures movable lengthwise and in a plane substantially parallel to the pole face of the permanent magnet.

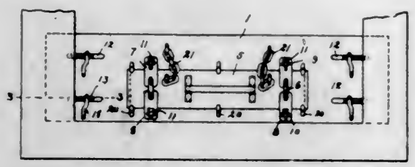
7. A relay comprising a pair of electro-magnets, tensioned armatures controlled thereby, adjustable contacts associated with the armatures, a member interconnecting the armatures, an adjusting member mounted on one of the cores for varying the air gap between the armatures and the cores, and a resilient member for varying the tension on the armatures.

1,501,127. HAIRPIN. RUSSELL L. MCLEARN, Wilkinsburg, Pa. Filed Mar. 30, 1923. Serial No. 628,832. 1 Claim. (Cl. 132—50.)



A hair pin of the class described having a small V-shaped bend in one limb and a large V-shaped bend in the other limb, the point of the large bend engaging the depression formed by the small bend when the pin is in closed position.

1,501,128. GRAIN DOOR. JACOB MATTSON, Duluth, Minn. Filed Feb. 11, 1924. Serial No. 691,938. 1 Claim. (Cl. 20—30.)

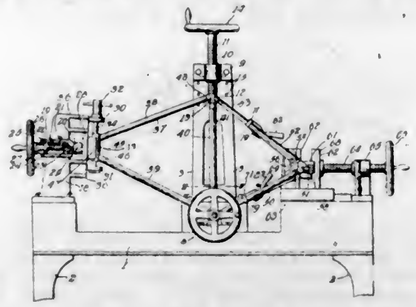


A door section of the character described comprising a main rectangularly shaped body portion, a rectangularly shaped opening substantially centrally of the body portion, vertically spaced reinforcing strips upon one side of the section and disposed longitudinally thereof, the lowermost strip being flush with the lower edge of the section, said lower strip overlapping the lower edge of the opening while the uppermost strip also overlaps the upper edge of the opening, vertically disposed reinforcing strips the ends of which abut against the opposed edges of the horizontal strips and overlapping the ends of the opening, vertically spaced slots at either end of the section spaced slightly above the upper edges of the horizontal strips said slots having fastening bolts therein, box like housings about the ends of the bolts which extend through the section upon the reinforced side thereof, the upper edges of the reinforcing strips forming the lower walls of the box like housings and the outer faces of the housings and strips being flush, and a door for said opening within the section being suspended adjacent the opening.

1,501,129. METHOD AND MEANS FOR BUILDING TUBULAR FRAMES. AUGUST D. MEISELBACH, Shelby, Ohio, assignor to Margaret Meiselbach, Shelby, Ohio. Filed July 31, 1922. Serial No. 578,707. 11 Claims. (Cl. 29—176.)

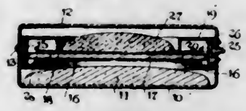
1. In a machine for use in making a tubular frame, the frame including two separated connections and a third connection, the third connection spaced from and connected to the separated connections by tubular members, means for rigidly holding the two separated connections, and means for pressing the third connection toward the other two, the pressing means being adapted to equalize the pressure on the two separated connections.

11. The herein described method of making tubular frames which consists in rigidly clamping the frame parts and placing the tubular members thereof under



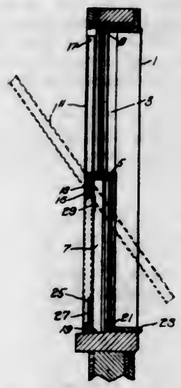
compression, and while the members are thus held, spot welding the several connections to make the frame rigid and while the frame is still clamped blowing air through the parts thereof to rapidly cool the several joints.

1,501,130. VANITY CASE. SIMON MORRISON, Brooklyn, N. Y. Filed May 24, 1923. Serial No. 641,223. 20 Claims. (Cl. 132—83.)



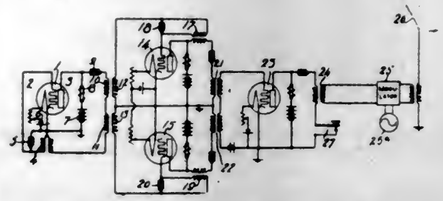
1. A vanity case comprising a box, a cover hinged thereto, an intermediate support, having pivotal connections with the box, detents on said intermediate support for holding the box and cover in closed position, and manual means for simultaneously releasing said detents to separate the box, cover, and intermediate support, substantially as set forth.

1,501,131. WINDOW-SCREEN CONSTRUCTION. FRANKLIN A. MOSMAN, Cambridge, Mass. Filed Feb. 10, 1922. Serial No. 535,455. 5 Claims. (Cl. 156—14.)



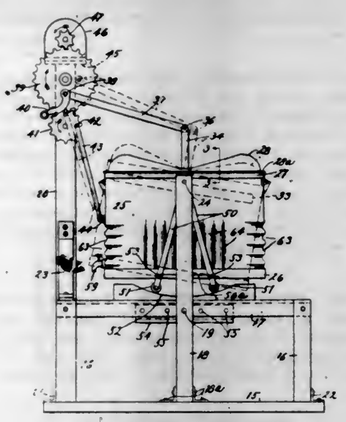
2. A window screen construction comprising a pair of guides extending substantially the length of the window frame each provided with a central longitudinal slot, means entered through said slots pivotally connecting said guides to said frame and located at the upper ends of said slots when the guides are seated on the window sill that the latter may be lifted to swing into and out of the frame, a screen slidably mounted in said guides and adapted to be inserted into or removed therefrom when the guides are in their out positions, and means for securing said guides against swinging movement in said frame.

1,501,132. SIGNALING SYSTEM. PAUL B. MURPHY, Nyack, N. Y., assignor to Western Electric Company, New York, N. Y., a Corporation of New York. Filed May 4, 1921. Serial No. 466,630. 20 Claims. (Cl. 250—8.)



1. A signaling system comprising means for transmitting a carrier wave modulated by trains of waves of different frequencies alternately recurring at a definite rate and means at the receiving station for actuating a translating device by the joint action of said wave trains at a rate different from said recurrent rate.

1,501,133. CLOTHES-WASHING MACHINE. BERTHA ORTELL, St. Paul, Minn. Filed Jan. 6, 1923. Serial No. 611,165. 4 Claims. (Cl. 68—21.)

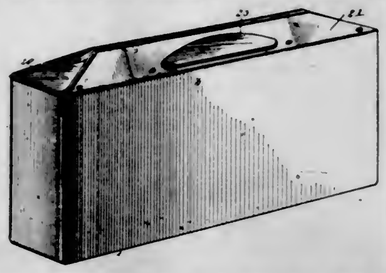


1. In a machine of the class described, a main frame, a wash boiler pivotally suspended in the frame and adapted to be oscillated in a vertical plane, a cover for the boiler, an agitator pivotally suspended within the boiler and adapted to be oscillated in a vertical plane, means on the main frame operatively connected with the boiler and the agitator for oscillating them simultaneously, and a boiler supporting device comprising two A-frames rotatable on the boiler pivots, one at each side of the boiler, a number of transverse bars having their ends secured in the oppositely disposed A-frames and adapted to support the under side of the boiler, rollers on the lower ends of the A-frames, a segmental track secured in the main frame for said rollers to roll on, said track being concentric with the pivot of the boiler.

1,501,134. SUIT BOX. CLAYTON EARL OSBURN, Davenport, Iowa. Filed Oct. 13, 1923. Serial No. 668,323. 3 Claims. (Cl. 229—16.)

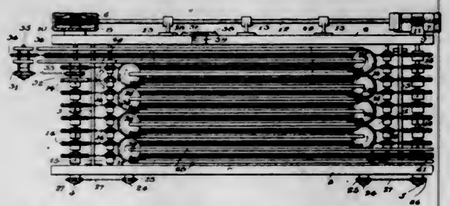
1. A suit box including relatively foldable side sections having telescoping side and end flaps, the flaps

along one side of said sections having extensions doubled upon one another and forming upstanding flaps at oppo-



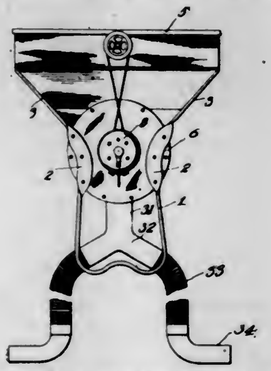
site sides of the box, said last mentioned flaps being slotted intermediate their ends and constituting a handle.

1,501,135. CANNERY EXHAUSTER AND COOKER. FREDERICK WM. PICHT, Seattle, Wash., assignor to Wright & Smith Machine Works, a Corporation of Washington. Filed July 18, 1923. Serial No. 652,367. 1 Claim. (Cl. 126—272.)



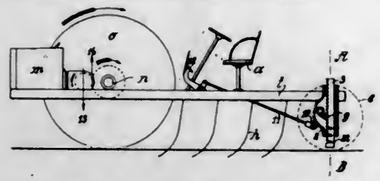
In a cannery exhauster and cooker comprising a box adapted to receive and contain water, a pluralify of alternately oppositely movable chains in said box. a plurality of rotating platforms at the ends of said chains, guide-tongues adjacent said platforms for elevating cans from said chains to said platforms, means for rotating said platforms for carrying said cans from a chain moving in one direction to a chain moving in an opposite direction, and a unitary means for operating and driving said chains and platforms.

1,501,136. POWDER BLOWER. CLAUDE F. REDMON, LILLARD K. REDMON, CLAUDE G. REDMON, and JOHN T. REDMON, Paris, Ky., assignors of one-fifth to Wade Hampton Whitley, Paris, Ky. Filed Nov. 11, 1922. Serial No. 600,438. 2 Claims. (Cl. 43—148.)



1. In a device of the character described the combination of a blower, a container feeding into the blower, means for diverting a portion of the air from said blower into said container and means within said container for agitating the contents thereof.

1,501,137. IMPLEMENT RAISING AND LOWERING MEANS. EMIL REZLER, Gungbunzlau, Czechoslovakia. Filed Mar. 9, 1921. Serial No. 450,927. 5 Claims. (Cl. 97—50.) (Granted under the provisions of the act of March 3, 1921, 41 Stat. L., 1313.)



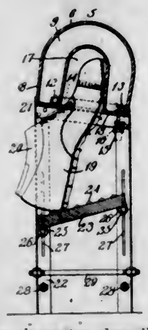
1. In a motor plow or cultivator, in combination, a plow frame, a two wheeled axle to which the front end is pivoted, a motor on the front end of the frame directly geared to the axle, a steering wheel, an adjustable and releasable connection between the steering wheel and the rear end of the frame, the position of the motor with respect to the wheeled axle being such that on the reversing of the motor from front driving to rearward driving the coaction existing between the moment of the motor and the moment of the reaction tooth pressure suffice to turn the frame upwardly a limited extent, while on reversing of the motor from rearward driving to front driving the moment of the frame alone suffices to return the frame downwardly.

1,501,138. LINE COUPLING. HORACE M. ROUNDS, Tacoma, Wash. Filed Oct. 5, 1923. Serial No. 666,868. 2 Claims. (Cl. 24—126.)



1. A line-coupling including a cup-shaped container the lateral wall of which is formed with a depthwise-extending slot that is of such shape and size as to permit the passage of the body of a line; a line-end-capping ferrule which is shaped to bear upon and turn freely in the container and the lateral wall of which closes the slot therein at least partially and which is capable of ready insertion therein and ready removal therefrom, together with the line, at the will of the operator, to permit the free coupling and uncoupling of the ferrule with and from its container, the line passing through the slot in the latter; and a container-bail the arch of which overlies the mouth thereof and to which the other line-end is fastened.

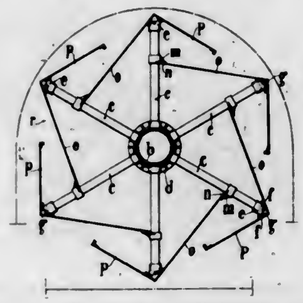
1,501,139. DEVICE FOR SOFTENING SHOES. FRANCOIS N. SAVARD, Avon, Mass. Filed Sept. 15, 1922. Serial No. 588,467. 9 Claims. (Cl. 34—18.)



3. A device of the character described comprising, in combination, a heating unit provided with a chamber for a heating medium located within the interior thereof

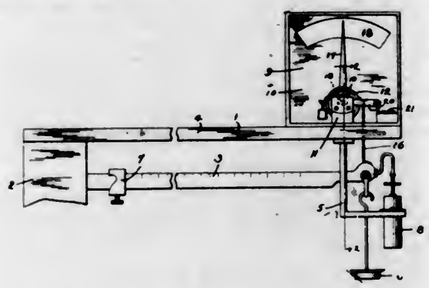
and a recess in the side thereof, and a support for a shoe located adjacent to said heating unit, said shoe support being adjustably mounted so as to vary the distance between the same and said heating unit and also to incline said support at an angle to a horizontal plane.

1,501,140. DRYING APPARATUS FOR PULVERULENT MATERIAL. PAUL SCRIVE, Paris, France. Filed Dec. 29, 1921. Serial No. 525,698. 13 Claims. (Cl. 34—7.)



1. In a rotary drying apparatus having an inclined axis for pulverulent materials, constituent elements of the drum composed of longitudinal buckets, a drum constituted by the assemblage of several of the said buckets, their concavity facing the axis of the drum, these buckets being arranged in a geometrically similar manner relatively to the said axis, and providing between them equal intervals, means for securing the buckets on the axis of the drum.

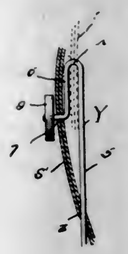
1,501,141. SCALE. WALTER S. SMITH, Columbus, Ohio. Filed Dec. 30, 1920. Serial No. 433,967. 7 Claims. (Cl. 265—59.)



1. In a scale, a frame, a movable beam carried by said frame, of means for amplifying the motion of said beam to facilitate weight readings, comprising an indicator structure formed to include an oscillatory indicator member, a resilient regulator for said member normally serving to maintain the latter in a neutral position when said beam assumes a balanced position, and a connection between the free end of said beam and said indicator structure, said connection serving to cause said indicator member to oscillate in unison with the movable beam.

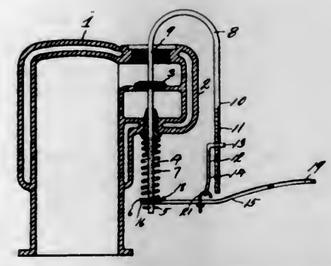
1,501,142. STICKPIN. ARCHIE C. STAFFORD, Watertown, N. Y. Filed June 7, 1923. Serial No. 643,839. 1 Claim. (Cl. 24—155.)

A pin fastener comprising a pin member having a relatively long shank terminating in a pointed end, the opposite end of said member being formed with a return bend spaced from the shank portion and relatively short, the free end of the return bend being extended laterally and outwardly relative to said return bend and the shank portion, and a head mounted on the laterally extending end in spaced relation with the return bend, whereby the shank portion of the pin may have the pointed end inserted through a piece of fabric to which it is desired to secure the pin until said pin reaches



the end having the return bend, the pin being moved through the fabric and in the opposite direction to draw the return bend through the opening made by the shank portion in the fabric, and the laterally extending end portion may be subsequently drawn through the opening in the fabric to position the head carried by the pin against the outer surface of the fabric, the return bent and shank portion cooperating in the rear of the fabric to prevent casual displacement of the pin from the fabric.

1,501,143. VALVE-SPRING COMPRESSOR. FRED C. STAKE, HOLLIE B. KINYOUN, and JOHN P. REYNOLDS, Crook, Colo. Filed June 15, 1923. Serial No. 645,622. 3 Claims. (Cl. 29—86.3.)



1. A valve spring compressor for internal combustion engines, said compressor comprising a U-shaped member having substantially parallel arms, one of said arms being adapted to hook over a portion of the engine, the other arm being threaded and adapted to extend downwardly to the side of the engine, a bracket threaded on said threaded shaft, a lever pivotally connected to said bracket intermediate the ends of the lever, and a bifurcation carried by one end of said lever and adapted to receive the lower end of a valve stem beneath a valve spring.

1,501,144. AIR-CLEANING DEVICE FOR AUTOMOTIVE MOTORS. LOUIS E. STONE, Ashland, Ky. Filed Dec. 3, 1923. Serial No. 678,357. 9 Claims. (Cl. 183—110.)

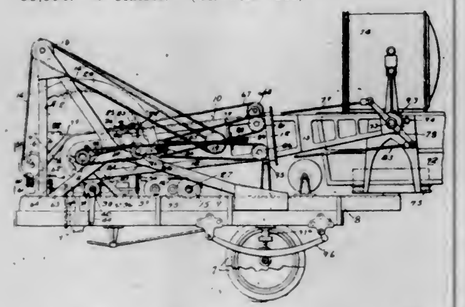
1. The method of purifying the intake air of a carburetor, which consists in passing the air from the front to the rear of a separator, setting the air into

whirling motion in the separator, discharging the dust laden air freely to the atmosphere at the rear end of



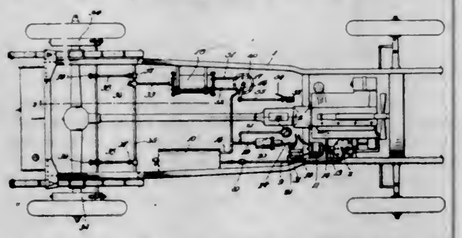
the separator, and causing the pure air to double back through the interior of the incoming column and be discharged at the front of said separator.

1,501,145. OBSERVATION APPARATUS. JOSEPH B. STRAUSS, Chicago, Ill. Filed Apr. 3, 1916. Serial No. 88,596. 4 Claims. (Cl. 189—15.)



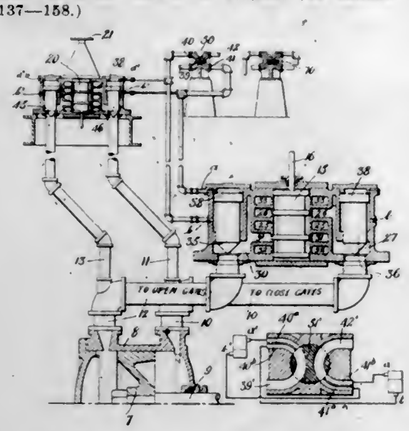
1. A portable observation apparatus comprising a motor truck, a transmission mechanism therefor, a rotating and extensible arm mounted on said motor truck, mechanism for acting upon said arm to extend it, and mechanism for lifting said arm, and operative connections between both of said sets of mechanism for said arm and the transmission mechanism of the truck.

1,501,146. AIR BRAKE FOR AUTOMOBILES. JOHN T. STROTHER, Nocam, Va. Filed Dec. 4, 1923. Serial No. 678,518. 4 Claims. (Cl. 303—50.)



1. In an air brake apparatus for automobiles, the combination of a reservoir, a brake cylinder, means for maintaining pressure in the reservoir, a controlling valve disposed between the reservoir and the brake cylinder, a piston within the brake cylinder, operative connections whereby movement of said piston in one direction will apply brakes and in the opposite direction will release brakes, a supply pipe reaching from the reservoir to one side of the controlling valve, supply and exhaust pipes leading from the brake cylinder to the opposite side of the controlling valve, and means for operating said valve.

1,501,147. FLUID-PRESSURE CONTROL SYSTEM. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Filed Jan. 21, 1919. Serial No. 272,381. 33 Claims. (Cl. 137—158.)



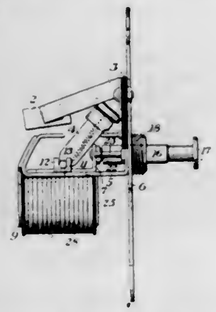
1. In a regulating system for a hydraulic turbine, a plurality of control valves, means for closing certain of said valves and opening others, and a single operating valve controlling said means.

9. In a regulating system for a hydraulic turbine the combination with hand operated regulating means, and automatically operated regulating means, of fluid operated means for rendering one of said regulating means effective and rendering the other regulating means ineffective.

17. In a regulating system for a hydraulic turbine the combination with a governor proper, comprising a cylinder and a fluid pressure operated piston therein, of a regulating valve located separately from the governor, means responsive to said regulating valve for controlling the flow of fluid through said turbine and a rod moved by said piston and serving to transmit the motion thereof, to said separately located regulating valve.

21. The combination with a hydraulic turbine and a plurality of sources of fluid pressure and regulating means actuated thereby of fluid pressure operated valves for shifting from one source of fluid pressure to another, and a hand operated valve forming a remote control for said fluid pressure operated valve.

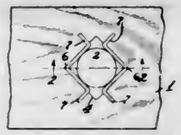
1,501,148. ELECTRICAL SWITCH. GEORGE C. TERHORST and GEORGE W. TERHORST, Pittsburgh, Pa. Filed June 28, 1922. Serial No. 571,352. 15 Claims. (Cl. 200—89.)



2. The combination with an electrical switch having manual means for opening and closing said switch, said means being connected to the switch when the latter is open, of means independent of the electric current for automatically disconnecting said manual means upon the closing of said switch, substantially as described.

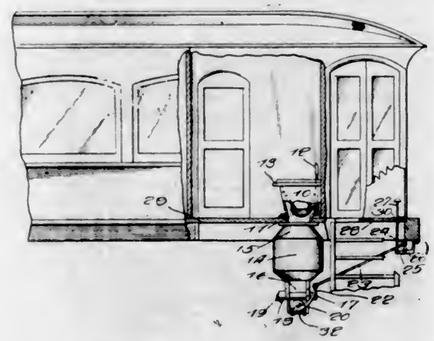
15. In an electrical switch the combination of fixed contacts, a snap member carrying circuit closing means, means for manually operating said snap member comprising two telescoped members, one of which is manually operable, means connecting the other of said members with said snap member, means for operatively connecting said members together, means independent of the electric current for automatically disconnecting said members from each other while in switch closing position, and magnetic means for moving said snap member to switch opening position independently of the manually operable member, substatially as described.

1,501,149. LOCKING MEANS FOR CARRIAGE BOLTS. FREDERICK H. THOMPSON, Chicago, Ill. Filed Apr. 12, 1922. Serial No. 551,973. 2 Claims. (Cl. 151—32.)



1. In combination, a body of wood having a hole therethrough, said hole having a squared recess at one surface of the wooden body, angular metal members lining said recess, and a carriage bolt, the squared portion of which contacts with said angular metal members.

1,501,150. TOILET FOR PASSENGER CARS. CHRISTOPHER A. THOMAS, East Macon, Ga., assignor of one-third to Ebb Warren, Macon, Ga. Filed Mar. 31, 1923. Serial No. 629,031. 3 Claims. (Cl. 4—8.)



1. In a passenger car having a floor, a toilet bowl mounted upon the floor and extending therethrough and having a valve, a container disposed below the bowl and into which the bowl discharges, a valve hinged to the lower end of the container and normally open, manually operable means for closing the valve and holding it closed comprising an eccentrically mounted cam disposed below the valve and engaging transversely across its surface with the valve, means for rotating the cam including a rod passing downward through the floor and operatively connected to the cam, and means for locking the rod in a depressed position and with the cam in its locking position.

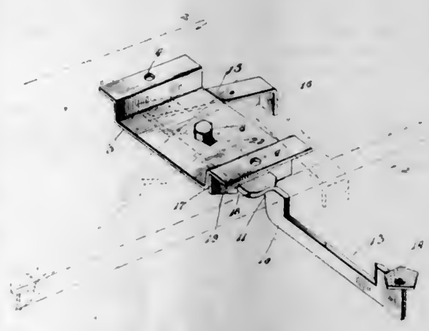
1,501,151. HYDRAULIC JACK. SYLVESTER V. THOMPSON, San Diego, Calif. Filed Jan. 27, 1922. Serial No. 532,162. 2 Claims. (Cl. 138—9.)

1. A hydraulic jack, including a casing, a cylinder portion at the upper end and an enlarged reservoir base portion at the lower end thereof, a plunger reciprocably mounted in the cylinder portion thereof, another plunger reciprocably mounted in the lower enlarged end of said casing parallel with said first mentioned plunger, a means for reciprocably operating said first mentioned plunger, a check valve interposed between said reservoir and the chamber of said other plunger for controlling the flow of oil to said chamber, a second check valve interposed between said chamber and the cylinder portion of said casing for controlling the flow of liquid thereto, a third check valve interposed between said cylinder portion of said casing and said reservoir for



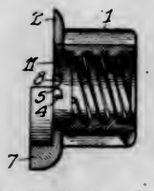
controlling the discharge of the liquid from said cylinder and means for operating said latter valve, said means consisting of a rod extending through the wall of the enlarged reservoir base portion of said casing, and a lever pivotally mounted intermediate its ends within said reservoir, its one end being connected with the inwardly extended end of said rod, its other end being adapted to engage the valve member of said last mentioned check valve with the inward shifting of said rod.

1,501,152. SHOE CLEANER. EDGAR H. TRICK, San Antonio, Tex. Filed Mar. 7, 1923. Serial No. 623,480. 4 Claims. (Cl. 15—237.)



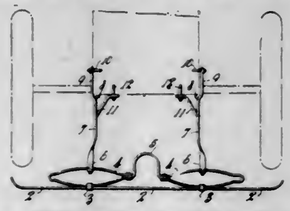
1. A device for the purpose set forth comprising a scraper, a bracket to be secured to the under side of a running board, means for pivotally mounting the scraper upon the bracket for movement in a plane parallel with the running board, a push arm secured to the inner end of the scraper and projecting laterally therefrom toward the outer edge of the running board when the scraper is retracted whereby it may be actuated to project the scraper, said arm being adapted to impinge against the bracket to limit the retracting movement of the scraper, and means at the outer end of the bracket for locking the scraper in its projected position.

1,501,153. ENGINE-STARTER PINION. HENRY E. VAN NESS, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Feb. 11, 1921. Serial No. 444,103. 2 Claims. (Cl. 74—7.)



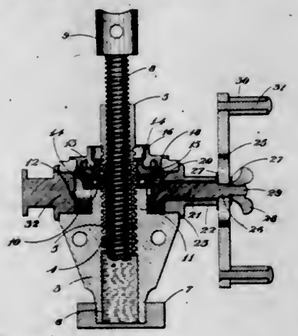
1. An engine starter pinion comprising a body portion having a central bore and provided on one end with transverse grooves having outwardly directed sharpened wedges in the middle portion of the base of the grooves, such grooves having straight but inclined sides to form undercuts at the base thereof, and a disk portion having inwardly extending radial lugs adapted to fit into the grooves and onto the wedges which split the lugs and spread the mass thereof against the sides of the grooves and into the undercuts, whereby the disk portion and body portion are held tightly together against displacement both longitudinally and rotarily.

1,501,154. AUTOMOBILE FENDER. FRANK WAGNER, Vancouver, British Columbia, Canada. Filed Dec. 15, 1923. Serial No. 680,917. 4 Claims. (Cl. 293—55.)



4. An automobile fender comprising the combination with a flexible resilient front bar, elliptic springs connected to the rear side of the bar, means for removably connecting the after sides of said springs to the chassis of the car, and a U-shaped spring having its ends secured to the adjacent ends of the elliptic springs, substantially as shown and described.

1,501,155. LIFTING JACK. JAMES M. WILLS, Ottawa, Ontario, Canada. Filed Mar. 16, 1922. Serial No. 544,381. 2 Claims. (Cl. 254—102.)



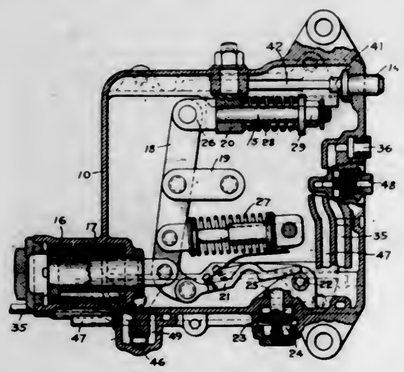
1. In a lifting jack, a body member, an exteriorly-threaded lifting sleeve having threaded engagement therein and interiorly threaded, a threaded lifting screw engaged therein and having independent spiral movement therein during the adjustment of the parts in operation and movable with the sleeve when the screw is not engaged with a stationary object, means for rotating the lifting sleeve to move the same upwardly, and means embodying an operating bevel gear rotating with said sleeve and through which said sleeve moves.

1,501,156. FLEXIBLE COVERING MATERIAL AND METHOD OF MAKING SAME. JOHN A. WILSON, Elizabeth, N. J., assignor to Duratex Corporation, Newark, N. J., a Corporation of New Jersey. Filed Nov. 12, 1923. Serial No. 674,313. 13 Claims. (Cl. 154—46.)



1. A flexible water-proof covering material comprising a burlap base, a layer of rubber cement applied to said base, a facing sheet secured to said base by said rubber cement and a surface coating of pyroxylin applied to said facing sheet.

1,501,157. ELECTRIC COUPLING FOR CARS. HARRY F. WOERNLEY, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 5, 1919. Serial No. 308,844. 6 Claims. (Cl. 173—332.)

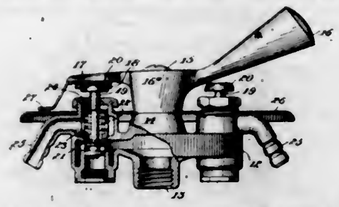


1. In an electric coupling for cars, the combination with a movable carrier having a plurality of electric butt contacts connected to respective circuits, of a lever, means for operatively connecting said lever to said carrier, a movable fulcrum member connected to said lever, a spring acting on and compressible by the movement of said fulcrum member, and means for actuating said lever to project said carrier forward to engage the contacts of a counterpart contact carrier with said fulcrum member as a fulcrum and cooperating with the means connecting the lever with the contact carrier for actuating said lever and fulcrum member to compress said spring.

1,501,158. HYDRAULIC DISTRIBUTING VALVE. CHARLES A. XARDELL, Utica, N. Y. Filed June 15, 1923. Serial No. 645,572. 4 Claims. (Cl. 277—57.)

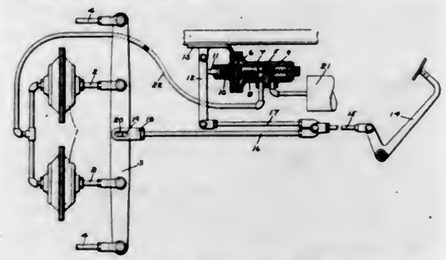
1. A hydraulic distributing valve comprising a hollow body provided with a plurality of spring-closed stop-cocks

or valves having valve stems provided with heads and outlet leads or nozzles controlled thereby, said body



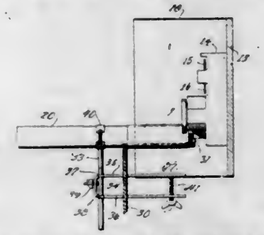
having a single inlet nipple, combined with a handle lever pivotally mounted on said body and provided with a valve-opening cam.

1,501,159. AUTOMOTIVE BRAKE. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1922. Serial No. 592,238. 5 Claims. (Cl. 188—106.)



1. In an automotive brake, the combination with a fluid pressure brake, of manually operable means adapted upon initial movement to apply the fluid pressure brake and means for applying the brakes mechanically upon a further movement of said manually operable means only in case the fluid pressure brake fails to act.

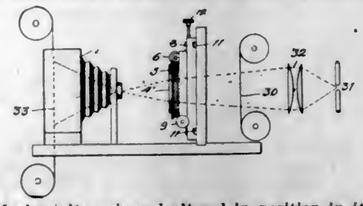
1,501,160. CONNECTER FOR ELECTRIC WIRES. GUSTAVE M. BOREN, Chicago, Ill. Filed Mar. 17, 1922. Serial No. 544,426. 8 Claims. (Cl. 173—273.)



1. A connecter for electric wires comprising a bracket, a wire supporting arm carried by the bracket, contacting members carried by the arm, and means for adjusting the contacting members with relation to the terminal posts of an insulating plate within a fuse box.

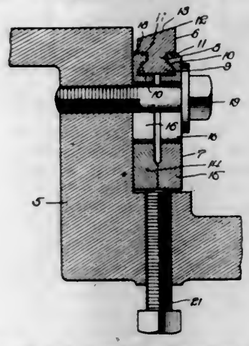
1,501,161. MEANS FOR DISTORTING IMAGES OF PICTURES OR NATURAL OBJECTS. HEBEWARD LESTER COOKE, Princeton, N. J. Filed Aug. 3, 1921. Serial No. 489,506. 2 Claims. (Cl. 88—24.)

1. In combination, an optical device arranged to form a distorted virtual image of an object, a photographic device in operative relation to said optical device for reproducing said virtual image, and means for changing the position of said optical device relatively to said object, to alter the distortion in the image, said means comprising mechanism whereby said optical device may be



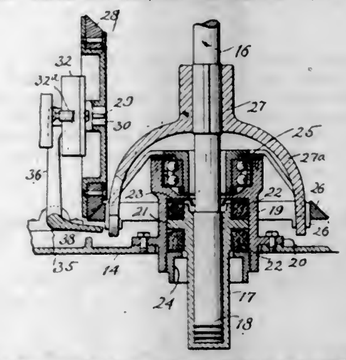
rotated about its axis and altered in position in its own plane, and means whereby the said plane may be changed in position.

1,501,162. KNIFE AND HOLDER. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., a Corporation of Illinois. Filed Jan. 30, 1922. Serial No. 532,651. 3 Claims. (Cl. 164—58.)



1. A device of the character described comprising a relatively long knife blade having a groove in both of its sides in the same plane forming abrupt shoulders at its upper edge and opposite outwardly inclined shoulders; a pair of duplicate clamping members, each having a head to fit in the respective groove on opposite sides and bolts passing thru said members to wedge the heads thereof into the grooves.

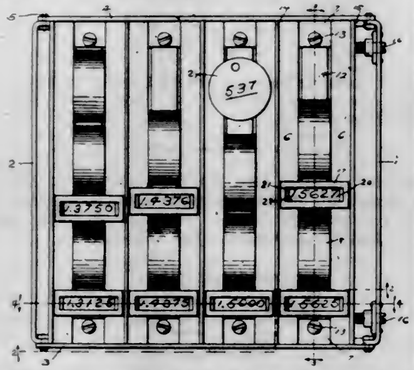
1,501,163. EXTRACTOR DRIVE MECHANISM. ARTHUR R. CURTIS, Cleveland, Ohio. Filed Nov. 18, 1918. Serial No. 262,965. 11 Claims. (Cl. 74—26.)



1. In a centrifugal machine, a high speed shaft having a mounting which permits the shaft to gyrate, and which yieldingly opposes lateral movement thereof, a driving member surrounding the shaft and a member

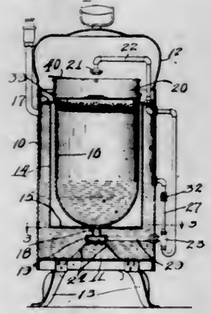
connected to the shaft and having a driving connection with the driving member in a plane in which the center of gyration of the shaft is located or substantially located.

1,501,164. MEANS FOR STORING STANDARD MEASURING DEVICES. PHILIP J. DARLINGTON, Boston, Mass. Filed Oct. 6, 1923. Serial No. 667,059. 10 Claims. (Cl. 206—16.)



1. Means for storing standard measuring devices comprising a frame, and units, each consisting of a pair of side rails fastened together with a space between them and a supporting rail suspended below the space between the side rails, mounted in the frame.

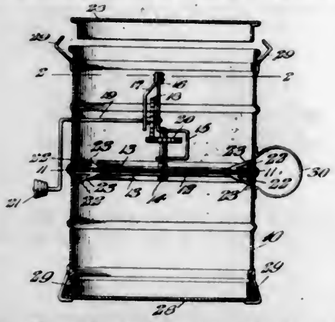
1,501,165. COFFEE URN. NICHOLAS J. ERZIG, Chicago, Ill. Filed Aug. 8, 1923. Serial No. 656,350. 4 Claims. (Cl. 53—3.)



1. A coffee percolating urn including a boiler, a coffee extract container, a permeable retainer for coffee grounds, a connection from said boiler to said container, said connection being adapted to supply first hot water and then steam, and means for causing the steam to circulate continuously the coffee extract through said permeable retainer.

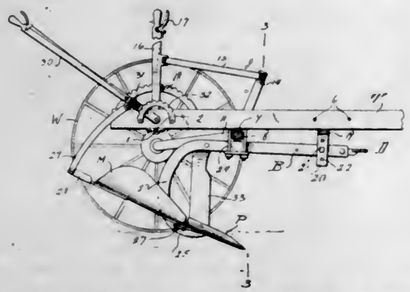
1,501,166. FLOUR SIFTER. IRVING W. FARQUHARSON, Media, Pa. Filed Feb. 28, 1924. Serial No. 695,687. 5 Claims. (Cl. 83—60.)

1. A sifter comprising a body having an annular bead intermediate the open ends thereof, a screen extended transversely of the body and bearing in said annular bead an annular guide fixed to the inner wall of said body above and below said screen, an agitating device arranged upon opposite sides of said screen in parallelism therewith, means carried by said agitating device for tracking upon said upper and lower guides, a vertical shaft rotatably mounted within said body and penetrating said screen and supporting said agitating devices, a horizontal operating shaft projected through



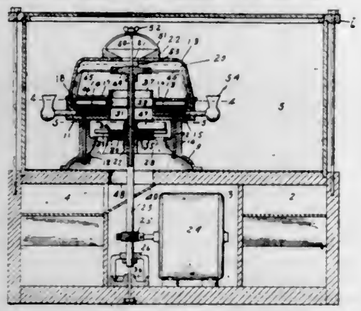
the body side wall, meshing gear wheels operatively connecting said vertical and horizontal shafts, and a removable closure for each end of said body.

1,501,167. DITCHER. CHARLES F. HOLYBEE, Hotchkiss, Colo. Filed Jan. 15, 1923. Serial No. 612,775. 4 Claims. (Cl. 37—98.)



1. In a machine of the character described, a tongue, a cross member mounted beneath the tongue, a pair of rearwardly extending beams adjustably pivoted on said cross member and connected at their forward ends by a draft element, the rear ends of said beams extending downwardly and carrying a plow, cranked axle sections carrying ground engaging wheels at one end and having their other ends disposed between said beams and the tongue and clamped to the former, rocker arms on said axle section, and means connected with said rocker arms for rocking the axle sections independently.

1,501,168. CORN-POPPING MACHINE. LUTHER J. ISENHOUR, Indianapolis, Ind. Filed Aug. 27, 1923. Serial No. 659,646. 16 Claims. (Cl. 53—4.)



1. In a popping machine, a popping chamber, a horizontally disposed heating element in said popping chamber having an axial discharge opening, and means for moving the contents of the popping chamber towards the axial center of the popping chamber for discharging the same from the popping chamber.

1,501,169. PROCESS OF MAKING DRAWING INSTRUMENTS. ADOLF W. KEUFFEL, Montclair, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 24, 1922. Serial No. 556,192. 6 Claims. (Cl. 76—101.)



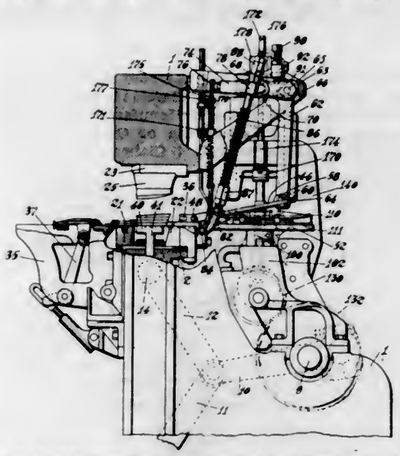
1. The process of making a drawing instrument upper leg consisting of cutting a cylindrical metal blank to the length of upper leg desired, tapering the same to size required by means of a screw machine, cutting out a curved shoulder at the larger end, brazing a separately made shoulder member to said curved shoulder and cutting a groove in the lower end of the said leg adapted to receive a tongue of a lower leg.

1,501,170. MEASURING TOOL. FREDERICK W. KORB, Cleveland, Ohio. Filed Dec. 20, 1923. Serial No. 681,756. 4 Claims. (Cl. 33—169.)



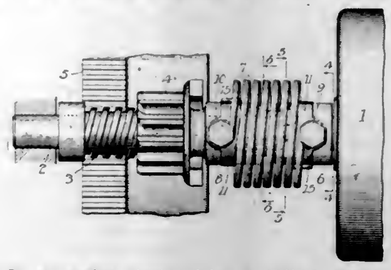
1. A measuring tool of the character described comprising an elongated sleeve having one end tapered, an annular radial rib at the other end of said sleeve, an instrument slidable in the sleeve and adapted for extension beyond the tapered end a distance equal to the depth of an opening being measured, and spring means integrally formed with the sleeve to retain said instrument in any adjusted position.

1,501,171. MACHINE FOR OPERATING UPON WHEELS. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 14, 1919. Serial No. 303,698. 127 Claims. (Cl. 12—42.)



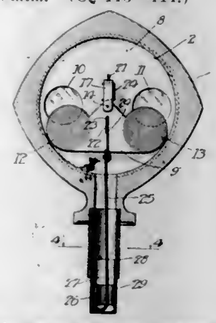
1. In a machine for compressing and breasting heels in a continuous operation, means for compressing a heel, means for feeding the heel to the compressing means, means for ejecting the heel from the compressing means, means independent of the feeding means for transferring the heel from ejected position to breasting position, and means for breasting the heel while in said position.

1,501,172. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed May 10, 1922. Serial No. 559,732. 6 Claims. (Cl. 74—7.)



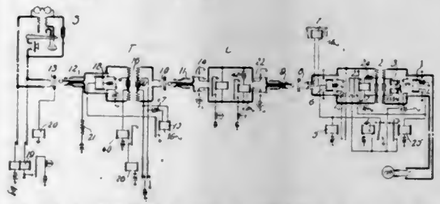
1. In an engine starter drive, a helical drive spring whose coils have a greater height than width in cross section, an anchoring means for an end of such spring, in combination with means for supporting the first coil at such end in such manner as to avoid lever action on such anchoring means and consequent flexure thereof.

1,501,173. TEMPERATURE INDICATOR. OSCAR W. MOORE, Chicago, Ill. Filed Mar. 10, 1922. Serial No. 542,599. 1 Claim. (Cl. 116—114.)



A device of the class described comprising a casing, indicating mechanism mounted therein, a tubular extension depending from said casing, a U-shaped thermostatic lamina in said extension and having one arm extending upwardly into cooperative relation with said indicating mechanism, a ferrule in said tubular extension and through which passes said arm of the thermostatic lamina, said ferrule serving to hold the remaining arm of the thermostatic lamina against the wall of said tubular extension.

1,501,174. SWITCHING SYSTEM. LOUIS A. MORTIMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,490. 13 Claims. (Cl. 179—46.)



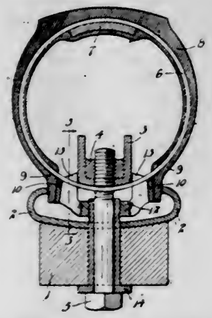
11. In a signaling system a plurality of relays selectively responsive to currents of different frequencies, means to interconnect the input and output circuits of said relays whereby surging is adapted to occur and a retarding device to prevent surging.

1,501,175. COWL COVER. ARTHUR H. NANN, Muncie, Ind. Filed Feb. 24, 1923. Serial No. 620,974. 4 Claims. (Cl. 296—136.)



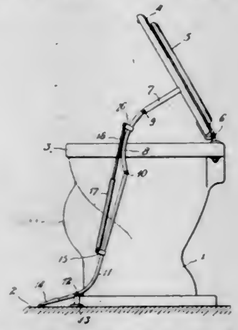
2. A cowl cover of the character set forth, comprising a top sheet of sufficient length to extend from the windshield of an automobile and overlie the front face of the radiator, means carried by the rear end of the sheet for engagement behind the windshield, side wall sheets of less length than the top sheet and depending from its opposite sides, the front ends of the side walls being inturned and secured to the overlying front end of the top sheet, and a stretcher bar extending transversely of said overlying front end and mounted in the overlapped portions of said end and side walls.

1,501,176. RESILIENT WHEEL AND TIRE STRUCTURE. DE WITT NELSON and CHARLES H. BURROWS, Minneapolis, Minn. Filed Aug. 17, 1922. Serial No. 582,409. 24 Claims. (Cl. 152—8.)



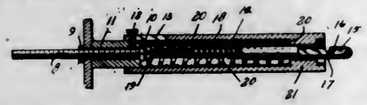
20. A resilient wheel structure comprising a rigid peripheral member, a resilient hoop surrounding and spaced from said member substantially in the plane thereof, an annular helical spring surrounding and spaced from said member and enclosing and contacting said hoop, and means also enclosed by said spring and engaging the interior of its convolutions adjacent said member for tensioning and supporting said spring from said member.

1,501,177. BASIN-COVER APPLIANCE. BERNHARD OZWIRK, Cleveland, Ohio. Filed Sept. 14, 1920. Serial No. 410,094. 3 Claims. (Cl. 4—251.)



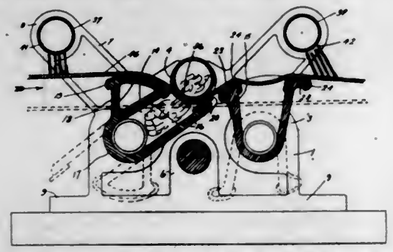
1. A device of the character described comprising in combination, a basin, a cover therefor, means including articulated members for lifting said cover and adapted to permit its gravitational return to position upon said basin and control mechanism for retarding the action of said means, said mechanism including a pair of relatively movable parts pivotally attached one to each of two of said members.

1,501,178. TAG-STRINGING DEVICE. CHARLES S. PATTERSON, Lewiston, Me. Filed June 11, 1925. Serial No. 644,715. 3 Claims. (Cl. 93—91.)



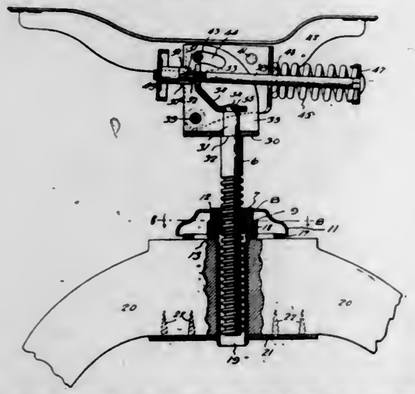
1. A tag threading device including a support, a shaft secured to the support, a tubular member on the shaft and contacting with one side of the support, means for holding the tubular member into engagement with the support, a tubular body portion movable over the shaft, a coiled spring within the body portion for normally holding the body portion to the limit of its outward movement, a knife formed at the outer end of the shaft, a tubular member disposed over the knife, a coiled spring for normally holding the tubular member to a position to cover the knife, and said last mentioned tubular member having an eye formed therein.

1,501,179. FELT WASHER. JAMES PEACOCK, EDWIN MCCLELLAN, and FREDERICK F. DORITY, Ottawa, Ontario, Canada. Filed Oct. 12, 1920. Serial No. 416,478. 40 Claims. (Cl. 92—50.)



1. A felt cleaning device having spaced washing members, and a suction cleaning means between the washing members.

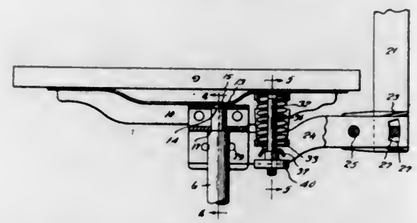
1,501,180. TILTING CHAIR. CLIFFORD H. PETERS, Lakewood, and EDWARD D. BUMP, Cleveland, Ohio, assignors to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,112. 5 Claims. (Cl. 155—77.)



1. In a tilting chair, the combination of a post, a yoke secured to the upper portion thereof, a cross member

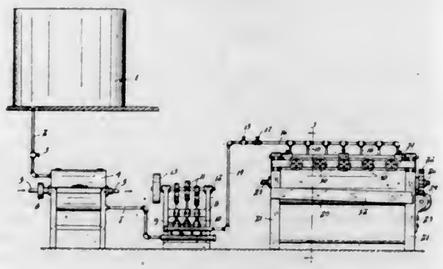
located within the arms of the yoke, said cross member being fastened to said arms and to the top of the post, a seat-frame cradle pivoted to the arms of the yoke, a bolt extending lengthwise between the arms of the yoke and having a rocking bearing against the cross member, and a spring in compression between the bolt and the cradle.

1,501,181. CHAIR. CLIFFORD H. PETERS, Lakewood, and EDWARD D. BUMP, Cleveland, Ohio, assignors to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 24, 1922. Serial No. 556,249. 5 Claims. (Cl. 155—77.)



1. A chair comprising a seat and its support, a pair of horizontally extending arms pivoted to the support at their front ends, and extending rearwardly beyond the seat, a back mounted on the rear ends of said arms, a hanger secured to the under side of the seat, a pair of springs standing vertically upon said hanger, a cap on the upper ends of the springs, a bolt extending downwardly from said cap and through the hanger, and a cross-connection between the lower end of the bolt and the arms.

1,501,182. PROCESS AND APPARATUS FOR TREATING MILK. CHRIS M. PETERSON, Minneapolis, Minn. Filed Jan. 9, 1924. Serial No. 685,154. 10 Claims. (Cl. 159—12.)



1. The method of drying milk or other fluid or semi-fluid material comprising placing the milk under pressure, forcibly projecting the milk under pressure in a series of minute jets against a heated surface to form a thin film on said surface, retaining said film on said surface until the same is dried, and then removing said film from said surface.

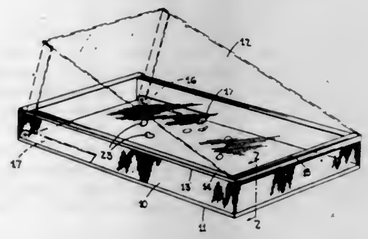
1,501,183. METHOD OF MAKING CHROMIUM STEEL AND CHROMIUM IRON. NAPOLEON PETINOT, New York, N. Y. Filed July 18, 1922. Serial No. 575,804. 5 Claims. (Cl. 75—1.)

1. A method of making chromium steel or chromium iron comprising the addition to the molten iron bath of a ferro-chromium-silicon alloy containing sufficient silicon to protect the chromium from oxidation.

1,501,184. PROCESS OF MANUFACTURING ALLOY STEELS IN ELECTRIC FURNACES. NAPOLEON PETINOT, New York, N. Y., assignor to United States Ferro-Alloy Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 16, 1922. Serial No. 601,407. 6 Claims. (Cl. 204—64.)

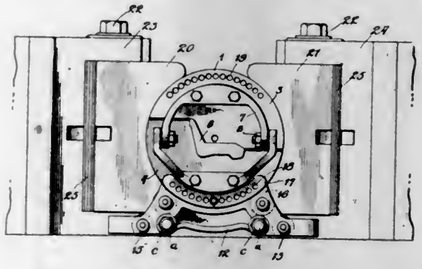
1. A process of making alloy steels in electric furnaces comprising the formation of a bath of iron having a low carbon content in an electric furnace, then forming a slag with the impure ore of the metal to be reduced, and then carburizing the slag.

1,501,185. GAME. FREDERICK PORTMAN, Vernon, British Columbia, Canada. Filed Sept. 5, 1922. Serial No. 586,318. 2 Claims. (Cl. 46—49.)



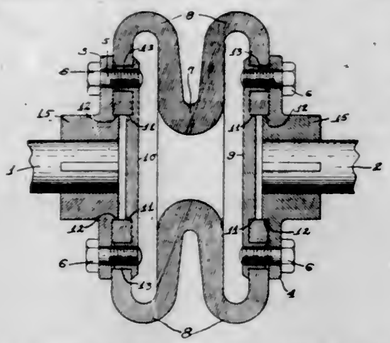
1. A game apparatus comprising a game box, a cover member hinged to said box, means carried by said box to support the cover member in raised position, game pieces adapted to rest in said game box, said cover member being adapted to be charged with static electricity to attract the game pieces to the under side of said cover member when the latter is in closed position, cushion strips for the edges of the cover member, said cushion strips being carried on the upper edge of the sides and ends of the box and edge protecting members secured upon the cover member around the edges thereof.

1,501,186. METHOD AND MEANS FOR MAKING COMPROMISE ANGLE BARS. CHARLES A. PSILANDER, Easton, Pa., assignor to William Wharton Jr. & Co., Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed July 1, 1922. Serial No. 572,242. 28 Claims. (Cl. 153—25.)



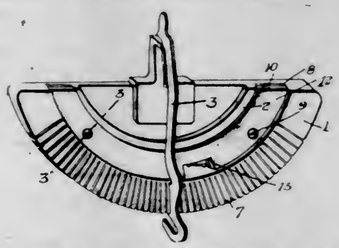
1. The method of shaping ordinary splice bars to adapt them for use as compromise bars to connect rails of different section, which consists in centering a splice bar in endwise disposed co-acting offsetting dies capable of selective rotative movement, establishing the requisite differential adjustment to control the character and degree of offset, and completing the operation by subjecting the dies conjointly to a single application of pressure.

1,501,187. FLEXIBLE COUPLING. CHARLES L. RAYFIELD, Chicago, Ill. Filed Sept. 3, 1921. Serial No. 498,280. 2 Claims. (Cl. 64—96.)



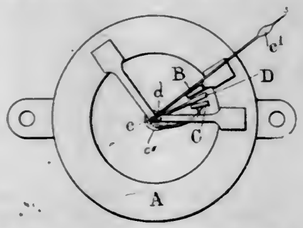
1. A shaft, a disk keyed on said shaft, a shoulder on said disk, a plate, a shoulder on said plate, bosses on said plate having screw threaded holes therein, bolts through said disk extending into said bosses whereby said plate is held adjacent to said disk with the shoulders aligned, and a flexible member secured between the disk and plate by said bolts, the thickness of said flexible member being greater than the height of said bosses.

1,501,188. TYPEWRITER. JOHN COATSWORTH REDDICK, Toronto, Ontario, Canada. Filed Dec. 23, 1922. Serial No. 608,757. 6 Claims. (Cl. 197—183.)



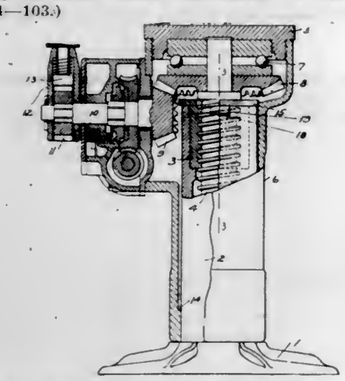
1. In a typewriter provided with type bars, two members located in the path of travel of the type bars having respectively an unyielding type bar contact surface and a yielding type bar contact surface located in advance of the unyielding contact surface.

1,501,189. ELECTRICAL MEASURING INSTRUMENT. JOHN W. RECORD, Bowdon, England. Filed June 26, 1922. Serial No. 570,804. 2 Claims. (Cl. 171—95.)



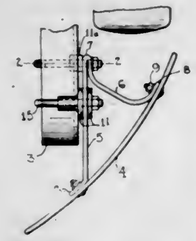
1. An electric measuring instrument with a fixed element, a movable indicator carrying element and an intermediate floating element, to which a movement is imparted from the fixed element and which in turn imparts the movement it has received and an additional movement to the pointer carrying element.

1,501,190. POSITIVE STOP FOR LIFTING JACKS. CHARLES WILLIAM RIPSCH and JAMES C. DAWLEY, Dayton, Ohio, assignors to The Joyce-Cridland Company, Dayton, Ohio, a Corporation of Ohio. Filed July 12, 1921. Serial No. 484,200. 8 Claims. (Cl. 254—103.)



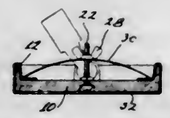
1. In a mechanism of the character described, a standard, a nut mounted in said standard, a lifting element screw threaded into said nut, a housing carried by said lifting element embracing said standard and having a shoulder near the lower end thereof, and a flange secured to said nut and said standard and projecting beyond the edge of said standard into the path of said shoulder.

1,501,191. BUMPER FOR VEHICLES. JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 20, 1923. Serial No. 675,924. 7 Claims. (Cl. 293—55.)



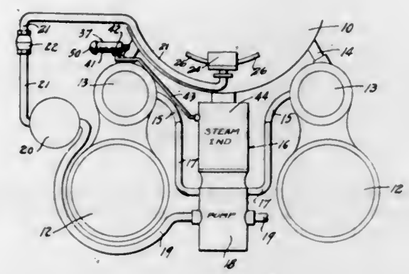
7. In a bumper, an impact member, a supporting arm therefor, two anchoring devices, one arranged at the inner end of said supporting arm and the other being in the form of a strap adjustable on the supporting arm, and a second supporting arm secured by the first named anchoring device and extending outwardly with reference to the first mentioned arm free from the strap.

1,501,192. SANDER AND POLISHER. WILLIAM SEVERNS, Chicago, Ill. Filed June 27, 1921. Serial No. 480,569. 1 Claim. (Cl. 51—187.)



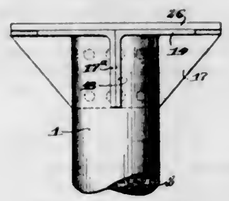
A floor polishing device, comprising a base formed with an upstanding flange and a central integral lug, an arc-shaped spring plate, threaded bolts fixed to said base and at their upper ends passing through apertures in said spring plate, wing nuts on said bolts adapted to engage the upper surfaces of said spring plate to flatten the same and to grip a finishing material between the plate edges and the inner faces of the flange on said base, and a handle-receiving socket pivoted to the central lug on said base and projecting freely through a central slot in said spring plate.

1,501,193. FEED-WATER-HEATING SYSTEM FOR LOCOMOTIVES. JOHN R. SHANNON, Lowell, Ariz. Filed June 14, 1922. Serial No. 568,207. 1 Claim. (Cl. 122—442.)



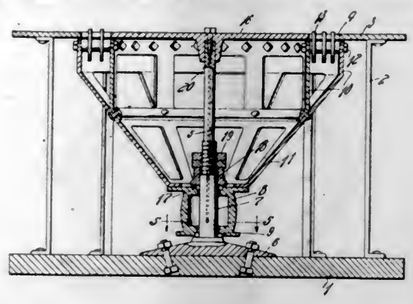
The combination with a locomotive embodying the usual boiler, smoke box, cylinders and chests for the cylinders, of a feed water heater disposed within the smoke box receiving water from and discharging water to the boiler, a steam pump connected with the intake end of the feed water heater, a connection between the intake end of the pump and the exhaust channel of the steam chest, and a steam supply for the steam end of said pump including a connecttion between the live steam line to the chest and the pump embodying a valve opening to permit passage of the steam from the steam line to the pump at a predetermined pressure within the steam line.

1,501,194. COLUMN CAP. ARTHUR L. SMITH, Chelsea, Mass., assignor to The A. L. Smith Iron Works, Chelsea, Mass., a Corporation of Massachusetts. Filed Dec. 19, 1921. Serial No. 523,294. 6 Claims. (Cl. 189—42.)



1. A column cap comprising a plurality of three walled brackets formed from structural iron and arranged with one wall of each bracket in contact with a wall of the other, and with the third wall of each of said brackets lying in a common plane, and means for securing together said contacting walls.

1,501,195. BRICK SCRAPER. MARIO BELLALBERO, New York, N. Y. Filed Nov. 17, 1923. Serial No. 675,373. 2 Claims. (Cl. 125—26.)



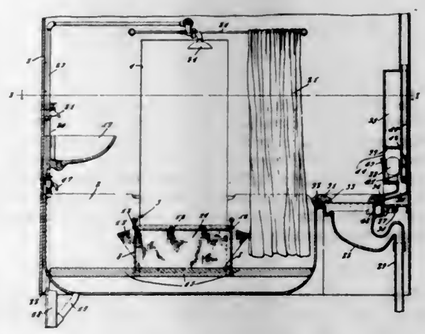
1. A machine of the class described comprising a rotary member, radial shafts carried thereby, discs rotatably mounted on the shafts, a platform having an opening therein through which the discs extend and means for rotating the member.

1,501,196. MANIFOLD GASKET. WALTER J. BLIFFERT, Milwaukee, Wis. Filed Apr. 16, 1923. Serial No. 632,447. 3 Claims. (Cl. 48—180.)



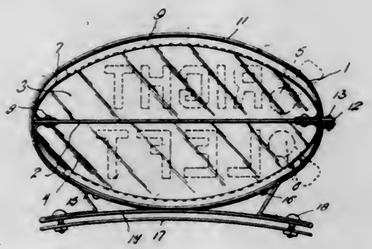
3. A manifold gasket adapted to be positioned between adjacent flanges of the intake system of an internal combustion engine, said gasket having an aperture corresponding to the bore of the intake system and having a curved lip projecting upwardly into said aperture, said lip being concaved on one side, and said gasket having a hole passing therethrough from the outside to the aperture and opening on the concaved side of said lip.

1,501,197. BATHROOM UNIT. GEORGE FRED BLUME, Philadelphia, Pa. Filed Sept. 11, 1923. Serial No. 662,093. 3 Claims. ((Cl. 4—146.)



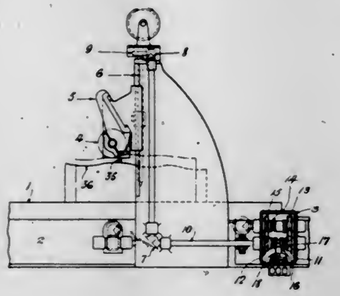
1. A bath room unit including, in a single structure, a hopper, a lavatory, and a bath tub interposed between the hopper and lavatory and constituting a support for the user of the hopper and lavatory.

1,501,198. VEHICLE DIRECTION INDICATOR. DANIEL CHARLES BROCKMAN, Phippsburg, Colo., assignor of one-half to James L. Whiteley, Phippsburg, Colo. Filed Mar. 17, 1924. Serial No. 699,878. 3 Claims. (Cl. 40—132.)



1. A vehicle direction indicator comprising a substantially elliptical shaped casing open at its front and back respectively, a partition extending longitudinally through the center thereof providing a pair of compartments, a substantially semi-elliptical shaped band arranged in each compartment, said band having its side edges extending inwardly from the edges of the casing forming a support, signal plates arranged in the front and back openings of said casing and resting against the side edges of said semi-elliptical band, and means removably supported on said casing for engaging the outer edges of the same and said signal plates.

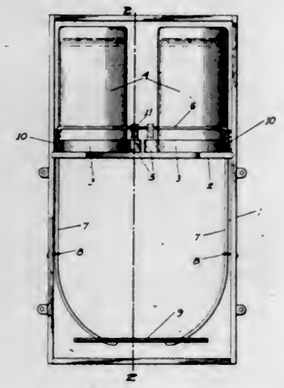
1,501,199. CLUTCH-CONTROLLED GEARING. ALEXANDER STIRLING BURNETT, Reddish, and THOMAS COLLINS, Manchester, England, assignors of one-half to Francis Shaw and Company, Limited, Manchester, England. Filed May 28, 1923. Serial No. 642,059. 5 Claims. (Cl. 74—59.)



1. In clutch controlled gearing comprising fixed and relatively moving elements, the combination with the moving element of a lever, toggle links adapted to be broken to rock said lever in both directions, cams to reciprocate said toggle links, movable elements mounted so as to be capable of movement into and out of the path of said toggle links and means to actuate said movable elements, substantially as described.

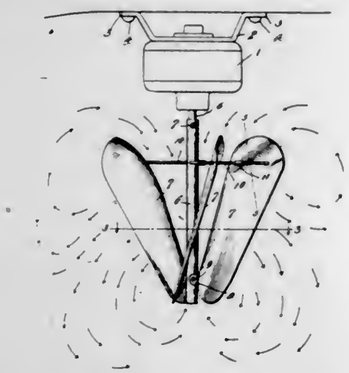
1,501,200. HEN-MARKING DEVICE. JANE CAMPION, Chico, Calif. Filed July 11, 1923. Serial No. 650,798. 4 Claims. (Cl. 119—45.)

1. A hen marking device including a plurality of independent trays mounted a common distance from the ground, independent fluid containing vessels supported in inverted positions in said trays, open cups formed with the trays and projecting beyond the side edges of the vessels, a dipper arranged to be moved into position for partial immersion into one at a time of the cups, and



means actuated by the weight of a hen for causing the dipper to be moved to deposit a certain amount of the fluid onto the hen.

1,501,201. VENTILATING FAN. LAURENCE A. CATES, Grand Island, Nebr. Filed Dec. 8, 1922. Serial No. 605,562. 6 Claims. (Cl. 170—167.)

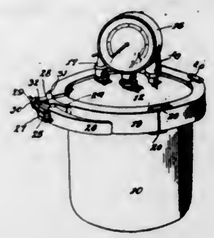


1. In a fan of the type described, a rotating supporting member, a plurality of equi-distantly spaced fan blades secured to said supporting member, the said blades diverging outwardly away from the supporting member towards their upper ends, and the longitudinal axis of the blades extending at an angle to the similar axis of the supporting member.

1,501,202. STEEL AND PROCESS FOR PRODUCING SAME. ARCHIBALD H. COPLAN, Ottawa, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,831. 4 Claims. (Cl. 75—1.)

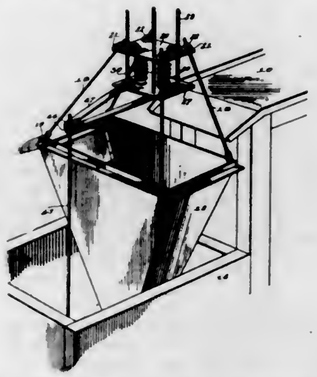
1. The process of producing steel which consists in melting scrap iron in a furnace; substantially completely removing the carbon by the use of an oxidizing slag; adding such proportion of ferro-chrome, the carbon content of which has been reduced to approximately 3%, as will give the steel a carbon content not exceeding 0.15% and a chromium content of 1.25% and adding 2% nickel to the steel, substantially as described.

1,501,203. COOKER. ORRIN WILKSAN CROSSLEY, Oklahoma City, Okla. Filed Mar. 18, 1922. Serial No. 544,857. 1 Claim. (Cl. 220—61.)



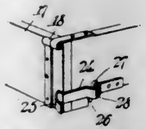
The combination of a cooker body provided with an outstanding annular rim having parallel upper and lower faces, of a cover constructed to fit snugly within the upper end of the body and having an annular flange with a beveled upper face and a lower face adapted to conform with the upper face of said rim, a channelled ring constructed in four sections, each of said sections having upper and lower annular ledges with their inner faces shaped to correspond respectively with the beveled upper face of said flange and the lower face of said rim, and a cylindrical wall rigidly connecting said two ledges and being integral therewith, links on top and bottom of said ledges respectively and having pivotal connection with the adjacent ends of some of said sections, and adjustable means for connecting the free ends of two of said sections; said means including brackets secured at said free ends of the ring sections, ears on said brackets, a lever pivoted between the ears of one of said brackets to swing in the plane of the ring, a pivot pin on said lever and a bolt pivoted thereon, and a nut threaded on said bolt and adapted to engage with the ears on said other bracket, whereby upon swinging said lever against the ring, the latter will be contracted to effect a sealed joint between the body and the cover.

1,501,204. CLASSIFYING APPARATUS. FRED DE MIER, Picher, Okla. Filed Mar. 7, 1923. Serial No. 623,515. 3 Claims. (Cl. 210—51.)



1. In combination, a receptacle, means for resiliently supporting the receptacle including supporting rods, a fixed supporting plate carried thereby, a carrier plate slidably mounted on the supporting rods, connecting means between the carrier plate and the receptacle, spring means between the carrier plate and fixed supporting plate for maintaining the carrier plate and consequently the receptacle in predetermined position, said receptacle having a discharge outlet and a valve controlling said outlet and an arm carried by said valve, a bracket mounted on the receptacle and pivotally supporting said arm, and operating means for said valve including a yoke carried by the fixed supporting plate and a rod connected at one end to said yoke and at its other end to said operating arm.

1,501,205. DUMP BED AND BODY. WILLIAM O. DIXON, Dexter, Mo. Filed July 9, 1923. Serial No. 650,441. 2 Claims. (Cl. 298—23.)



1. In a device of the class described, a body, a gate hinged to said body, spring clamp plates attached to said body and projecting beyond the end thereof, inturned fingers at the free ends of said plates adapted to engage behind said gate when the latter is in closed position, outwardly bent portions on said plates, a rock lever on said body, arms on said lever normally resting beneath said bent portions, and means for rocking said lever.

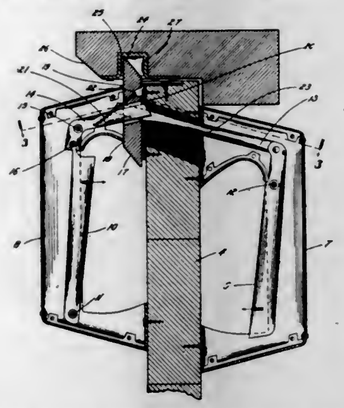
1,501,206. PLASTIC CONTAINING CELLULOSE ACETATE. HENRY DREYFUS, London, England. Filed Aug. 5, 1920. Serial No. 401,380. 4 Claims. (Cl. 106—40.)

1. A composition of matter containing cellulose acetate and benzene alkyl sulphonamide which is liquid at ordinary temperature and forms a jelly at low temperatures.

1,501,207. MANUFACTURE OF CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Filed Sept. 12, 1921. Serial No. 500,159. 22 Claims. (Cl. 260—152.)

22. In a process for the production of cellulose ethers by treatment of a cellulosic body not soluble in alkali, with etherifying agent in presence of alkali, grinding the cellulosic body in presence of benzol and of water, grinding the ground cellulosic body in presence of benzol, and of water, with alkali to be used as base, and subjecting the ground material to etherification.

1,501,208. DOOR LOCK. STANLEY R. FERGUSON, Abernethy, Saskatchewan, Canada. Filed Aug. 1, 1921. Serial No. 488,989. 4 Claims. (Cl. 292—173.)



1. A door lock of the character described comprising primary and secondary outer casings, handle members pivotally mounted in the said primary and secondary outer casings, a latch member engageable with a pocket

in the door frame and reciprocal in the said primary outer casing, means slidable through said latch member and engaging the said latch member with the said handle member.

1,501,209. CLOSURE FOR BOXES. EDWARD B. FLAGG, West Hartford, Conn. Filed Oct. 17, 1922. Serial No. 595,055. 1 Claim. (Cl. 221—64.)



A box of cylindrical form, having a circular central opening and also having a segmental portion leading from said opening, a cover for the box of practically cylindrical form and of tin, having a pendant central pivot portion extended into said opening, also having a slot through its top and furnished also with a series of perforations, the cover being turnable on the box so as to cause the slot to register with the segmental portion in the cover or to cause the perforations to register with said segmental portion.

1,501,210. PULP AND JUICE SQUEEZER. DAVID I. FLATT, Colorado Springs, Colo. Filed Feb. 17, 1923. Serial No. 619,700. 3 Claims. (Cl. 100—49.)



2. An appliance for squeezing juices or oils from a pulp in a filtering sack or cloth, comprising an integral body consisting of a handle member at one end and of two rounded blunt prongs at the opposite end with a rounded recess in the fork of said prongs provided to hold the top or neck of said sack or cloth.

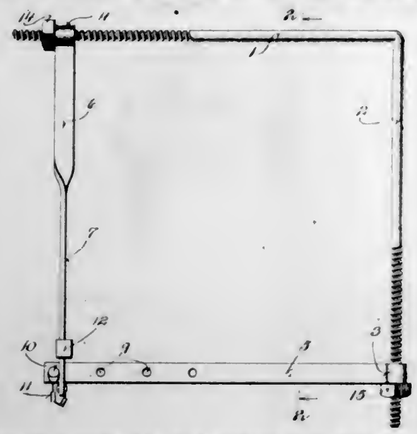
1,501,211. PEEP SIGHT FOR SHOTGUNS. ALEXANDER FORIN, Edmonton, Alberta, Canada. Filed Feb. 9, 1922. Serial No. 535,305. 2 Claims. (Cl. 33—47.)



1. A peep sight for shot guns comprising a wire bent into inverted U-shape and adapted to straddle the barrel of the gun, the central portion of said wire being bent to form a subsidiary U-shaped portion constituting the peep sight, and resilient means attached to the end of one of the legs of the U-shaped wire and detachably engageable with the end of the other for holding the same in position on the barrel.

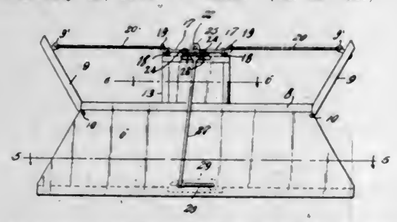
1,501,212. CONCRETE-FORM CLAMP. JOSEPH J. FRONSOE and JOHN ROGALSKI, Milwaukee, Wis. Filed Dec. 13, 1923. Serial No. 680,444. 3 Claims. (Cl. 144—291.)

1. A concrete form clamp comprising a pair of members arranged at right angles to each other and having threaded terminal portions, a pair of members slidably received upon such terminal portions and having their



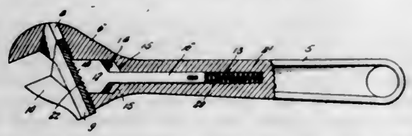
outer ends joined, and nuts threaded upon such terminal portions and bearing against such last mentioned members.

1,501,213. ANIMAL TRAP. VANCE C. GARRISON, Nebish, Minn., assignor to Raymond H. Schumaker, Bemidji, Minn. Filed Feb. 10, 1923, Serial No. 618,231. Renewed May 13, 1924. 1 Claim. (Cl. 43—61.)



In an animal trap, an open ended body having openings in its top, a bait receptacle on top of said body above said openings, spring-closed swinging trap doors for the open ends of said body, pivoted members on top of the bait receptacle having hooked outer ends, flexible members attached to the free ends of the trap doors and adapted for engagement with said hooked outer ends of the pivoted members for holding the trap doors open, said pivoted members being normally swung under the influence of the doors in one direction to disengage said flexible members from said hooked ends, a pivoted platform within said body, and means operatively connected to the platform for releasably holding the pivoted members in an oppositely swung position wherein the flexible members are retained engaged with the hooked outer ends of said pivoted members.

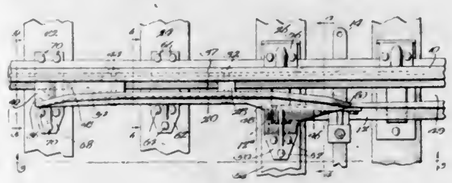
1,501,214. SLIDING-JAW WRENCH. VANCE C. GARRISON, Bemidji, Minn. Filed Feb. 26, 1923. Serial No. 621,195. 1 Claim. (Cl. 81—151.)



A wrench comprising a handle member having a fixed jaw formed thereon and provided at its end with a pocket the side walls of which are disposed parallel with the

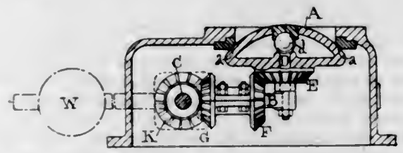
median longitudinal axis of the handle, the said handle member being further provided with transversely disposed grooves which are inclined with relation to the median longitudinal axis of the handle, the handle member being further provided with a channel which communicates at one end with the pocket and which is disposed with its axis in alinement with the median longitudinal axis of the handle, a rod slidably mounted in the channel and fitting snugly therein and being angular in transverse section whereby the said rod is restrained against turning movement in the channel, a spring disposed in the channel and interposed between the inner wall thereof and the inner end of the rod and being under tension to normally hold the rod toward the grooves in the handle member, a head carried by the rod and disposed within the pocket and completely bridging the same transversely, said head being provided with ratchet teeth, a jaw slidably mounted upon the handle member and having at its opposite sides flanges which are slidably received in the grooves, said jaw being provided at its inner edge with teeth adapted to engage in the teeth upon the head of the said rod, the said slidable jaw having a slot which is disposed with its longitudinal axis at an acute angle to the median longitudinal dimension of the handle, a pin secured at its ends to the handle and passing transversely through the slot and manually operable means carried by the rod and projecting through a slot in the handle for releasing the teeth on the head from engagement with the teeth on the jaw.

1,501,215. GUARDRAIL FOR SWITCHES. BENEDICT T. GIBBS, Jr., Chicago Heights, Ill., assignor to Morden Frog & Crossing Works, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1924. Serial No. 696,579. 4 Claims. (Cl. 246—435.)



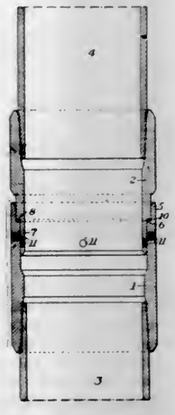
1. As an article of manufacture, a one piece guard rail, having a central straight portion, an angular end portion carrying a foot guard, an opposite end portion provided with a hood for the reception of a switch rail point, and spacing blocks projecting from the guard rail toward a main rail to which it is to be applied.

1,501,216. CHARGING VALVE OR DOOR FOR FURNACES, GAS PRODUCERS, RETORTS, AND SIMILAR STRUCTURES. JAMES H. HARDMAN, Pendleton, Salford, England. Filed Aug. 29, 1922. Serial No. 585,091. 3 Claims. (Cl. 110—174.)



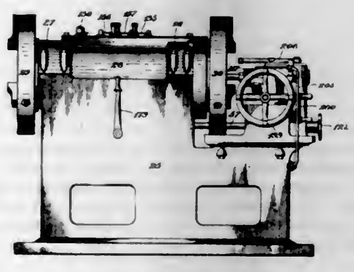
2. In a furnace, gas producer, retort or similar structure the combination with a dome shaped closure door, a supporting lever upon which it is mounted and a rocking shaft of a gear wheel affixed to the door, a bevel wheel loose on the supporting lever gearing therewith, a second bevel wheel loose on the supporting lever and attached to the other wheel and a bevel wheel gearing therewith affixed to a shaft normally held stationary to impart to the closure door a rotary movement as it approaches to and recedes from its seat substantially as described.

1,501,217. RELEASE COUPLING. CHARLES M. HEETER, Butler, Pa. Filed June 21, 1922. Serial No. 569,847. 6 Claims. (Cl. 285—161.)



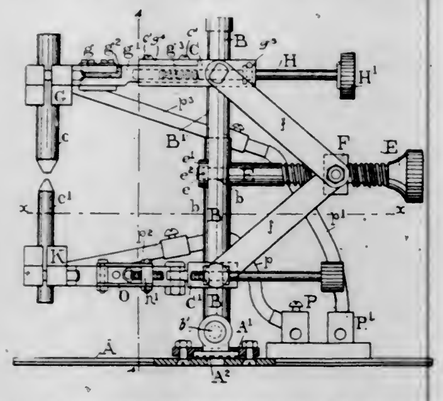
6. A release coupling comprising two telescoping members, the outer member having an end portion of increased internal diameter to receive the body portion of the inner member, the inner member having an end portion of reduced external diameter to fit the bore of the body portion of the outer member and a shoulder at the base of said end portion, and a packing element adapted to be arranged on the end portion of the inner member against said shoulder, the end portion of the inner member being of greater length than the end portion of the outer member whereby the said end portion enters the bore of the body portion of the outer member and centers the inner member with respect to the outer member in advance of the entrance of the body portion of the inner member into the bore of the end portion of the outer member, substantially as described.

1,501,218. PIPE-THREADING MACHINE. JOHN STEVENSON IMLACH, Ottawa, Ontario, Canada. Filed Nov. 25, 1921. Serial No. 517,635. 20 Claims. (Cl. 10—154.)



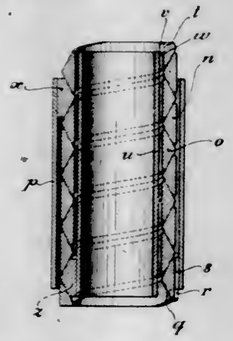
1. A pipe threading machine consisting of a frame, a pipe holding spindle supported and rotatably geared in said frame, a head reciprocally supported on said frame, a circular milling cutter rotatably mounted on said head, a cutting off tool frame mounted for movement longitudinally and transversely of said first-named frame, and a means of rotating said pipe holding spindle and said circular milling cutter.

1,501,219. ELECTRIC-ARC LAMP. HARDY JACKSON, Higher Broughton, Manchester, England. Filed June 16, 1921. Serial No. 477,982. 2 Claims. (Cl. 176—51.)



1. An electric arc lamp applicable for use in projection lanterns comprising in its construction a central upright standard, a pivot on which it rocks, a base to which the pivot is connected, two arms slidably mounted on the upright standard, a threaded rod carried by the upright standard, a nut on said rod, toggle levers connecting the arms to the nut by which their relative positions are adjusted, a carbon holder slidably mounted on the upper arm, a pivot connected to the lower arm, a second carbon holder carried by said pivot, a pivot connected to the lower carbon holder and a threaded rod to adjust the lower carbon holder angularly in a plane at right angles to the standard.

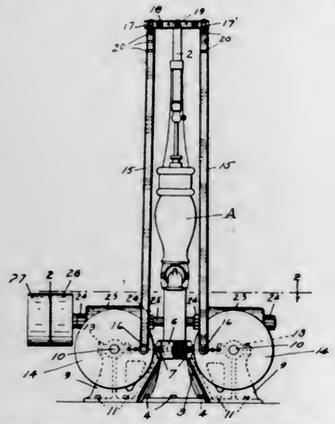
1,501,220. SPRING. ERNEST KREISSIG, Uerdingen, Germany. Filed Jan. 15, 1924. Serial No. 686,288. 5 Claims. (Cl. 267—61.)



1. A spring comprising inner and outer helical members formed with interengaging, cooperating faces, and a pair of members, one for each helical member, fixed to one end of the respective helical member and connected to the opposite end of the latter to permit sliding movement thereof in an axial direction only.

1,501,221. PUMP JACK. CHARLES KUECHLER, Prescott, Wis. Filed Sept. 26, 1923. Serial No. 664,875. 3 Claims. (Cl. 74—14.)

1. In combination with a pump and rod, pump jack mechanism comprising a base member centrally and detachably anchored to said pump, bearing base members integrally connected to the sides of the central base member, said bearing base members each including a shaft bearing, a shaft journaled in said bearing, a casing carried by each of said bearing base members and receiving one end of said shaft, a worm gear secured upon said shaft within said casing, inwardly directed worms



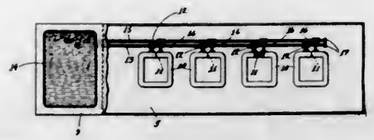
within said casing intermeshing with said gears, a drive shaft connecting said worms, disks mounted upon the outer ends of said first mentioned shafts, lever arms eccentrically connected to said disks upon opposite sides of the pump rod, and a detachable connection between the upper end of said levers and said pump rod.

1,501,222. SCREW DRIVER. SAMPSON CISCO LAMP, Dawes, W. Va. Filed May 18, 1923. Serial No. 639,960. 1 Claim. (Cl. 145—50.)



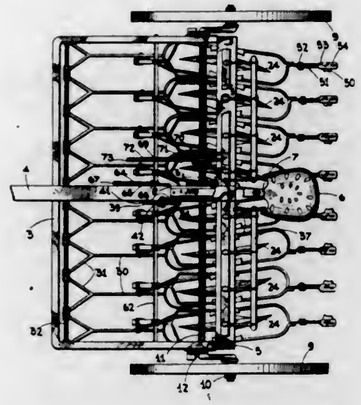
A screw driver having a hollow handle and a hollow shank providing the main screw driver, said hollow shank being notched at its working end, an auxiliary screw driver in said hollow shank and extending into said hollow head, oppositely disposed L-shaped slots in said head, a pin passing through said auxiliary screw driver within the head and having its end portions disposed in said L-shaped slots, a tension spring within said hollow head, said tension spring normally holding the auxiliary screw driver in retracted position with its active end disposed in the notch at the active end of the main screw driver and flush therewith, and said auxiliary screw driver adapted to be moved into active position against the tension of said spring and dispose said pin in the short arms of the L-shaped slots to prevent casual turning movement of the auxiliary screw driver relative to the handle and to dispose the auxiliary screw driver beyond the working end of the main screw driver and at an angle relative thereto.

1,501,223. WATER-HEATING SYSTEM FOR STOVES. ROSS LLOYD, Schomberg, Ontario, Canada. Filed Sept. 5, 1922. Serial No. 586,316. 3 Claims. (Cl. 126—53.)



1. A water heating system for a stove comprising a water supply tank, a water distributing pipe, a water return pipe, a water jacket adapted to be mounted on a burner of the stove and in the path of the heat produced by said burner, and heat retaining and directing chambers, said water jacket being supported on the upper end of said chambers, said water distributing and water return pipes being connected with said water jacket so as to assure circulation of the water through said water jacket after leaving the water distributing pipe and previously to reaching the water return pipe, said water jacket having a divisional diaphragm at one side the distributing and return pipe of each jacket being connected upon opposite sides of said diaphragm.

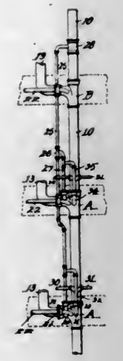
1,501,224. AGRICULTURAL IMPLEMENT. JOHN A. MCDONALD, Westboro, Ontario, Canada. Filed May 16, 1922. Serial No. 561,446. 12 Claims. (Cl. 97—54.)



1. An agricultural implement comprising a main frame, a rear axle having offset ends, ground wheels mounted on the offset end of said axle, said main frame being mounted on said axle, auxiliary frames suspended from said main frame, cultivator discs mounted within said suspended frames for limited turning movement therein, means for turning said discs in series to adjust the discs within said suspended frames and means to exert a resilient downward pressure on the auxiliary frames and arcuate rods for the support of said last-named means and guides for said arcuate rods intermediate their ends.

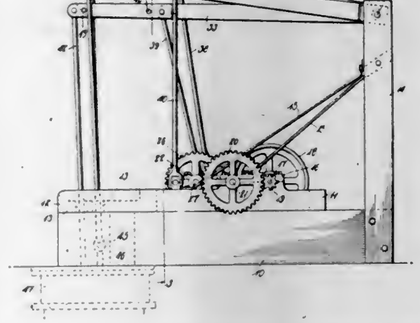
1,501,225. SANITARY PIPE FITTING. ALEXANDER E. MACDONALD, Worcester, Mass. Filed Dec. 29, 1923. Serial No. 683,346. 6 Claims. (Cl. 4—212.)

1. As an article of manufacture, a fitting for a soil pipe or the like comprising a main hollow body having a branch extending therefrom for communication with the outlet of a water closet and provided with a side inlet passage communicating with the interior of the fitting for connection with a bath tub, wash basin or the like, the fitting having an air passage adapted to be connected with a vent pipe, and the side passage



having an upwardly extending hollow projection to vent the side passage and communicating with the vent passage within the body of the fitting, whereby the entire fitting can be vented by a single vent pipe.

1,501,226. MULTIPLE BALANCED PUMP JACK. EDWARD A. MALBAFF, Flagler, Colo. Filed Oct. 26, 1923. Serial No. 670,979. 3 Claims. (Cl. 74—14.)

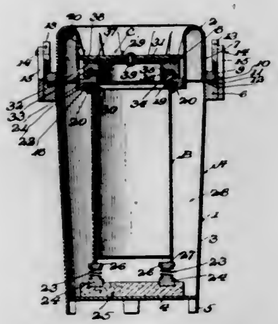


1. A device of the class described comprising a base; upright standards rigid with said base; a plurality of walking beams pivotally mounted on said standards; a power shaft journalled on said base; a crank shaft also journalled on said base; gear connections between said power and crank shafts; crank pins carried by the gears upon said crank shaft; connecting rods connecting said crank pins and the crank portion of said crank shaft with said walking beams; and pump operating rods carried by the ends of said walking beams.

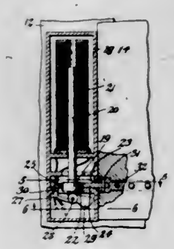
1,501,227. INSULATED CONTAINER. LEWIS F. MARSH, Spokane, Wash. Filed Sept. 14, 1922. Serial No. 588,144. 7 Claims. (Cl. 220—9.)

1. A container of the character described comprising an outer shell consisting of a lower section closed at its lower end and open at its upper end, and an upper section substantially U-shaped in cross section and having an outer side substantially equal diametrically at

its edge with the lower section at the upper edge of the latter, co-operative means carried by said upper and lower sections of the outer shell for locking the outer side of the upper section in superimposed relation to the lower section, an inner receptacle adapted to receive a substance to be maintained at an even temperature and to be received within the lower section of the outer shell when the upper section of the latter has been removed, means arranged between the lower end of the receptacle and the lower end wall of the outer shell for insulatingly supporting the inner receptacle within the outer shell, and means arranged between the inner side of the outer shell and the upper end of the inner receptacle to insulatingly space the inner receptacle from the upper section of the outer shell and to provide an air tight joint between the inner receptacle and the upper section of the outer shell.



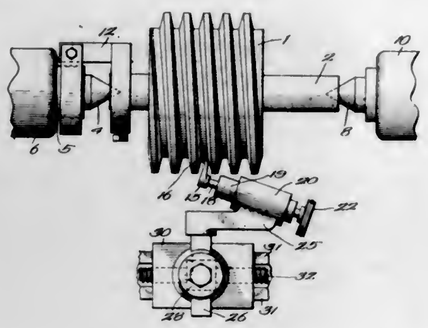
1,501,228. CAR-DOOR-LOCKING DEVICE. WILLIAM J. MARTIN, Buffalo, N. Y. Filed July 18, 1922. Serial No. 575,860. 7 Claims. (Cl. 292—144.)



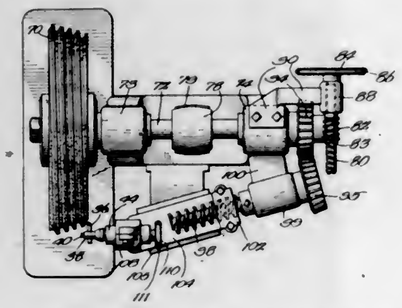
1. A car door lock comprising a locking member, a latch adapted to be engaged by said locking member, electro-magnetic means for disengaging said locking member from said latch, and detent members which automatically engage with said locking member and hold the same in an inoperative position when the locking head is disengaged from said latch and which is automatically disengaged from said locking member by said latch upon moving the latter into a position to be engaged by said locking member.

1,501,229. METHOD OF PRODUCING ABRASIVE ELEMENTS. CARL G. OLSON, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1921. Serial No. 507,219. 6 Claims. (Cl. 125—11.)

1. The process of dressing preformed helicoidal and annular surfaces formed on bodies which are rotatable about an axis, said process consisting in causing the point of a pointed scarifying tool to rotate at high speed in an orbit an arc of which lies in the surface to be dressed, and simultaneously causing the work to rotate about its own axis, the tool thereby producing a series of scarfs which, in the aggregate, envelop the surface to be produced.



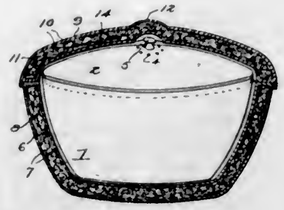
1,501,230. MACHINE FOR PRODUCING ABRASIVE HELICOIDS. CARL G. OLSON, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1921. Serial No. 511,795. 8 Claims. (Cl. 125—11.)



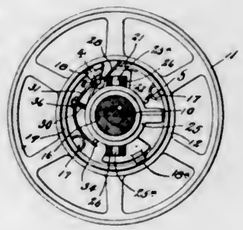
1. A machine for dressing preformed surfaces, having a pointed scarifying tool, means for causing it to revolve about an axis non-coincident with the point of the tool, and a rotatable work holder having an axis non-coincident with the axis of rotation of the scarifying tool, the plane defined by the point of the tool being approximately at right angles to the axis of the work and the point of the tool traveling in an orbit only a part of which lies in the surface to be produced, and the scarfs in the aggregate enveloping the surface to be produced.

1,501,231. BREAD RAISER. IRENE A. PARRY, Seattle, Wash. Filed Apr. 26, 1922. Serial No. 556,768. 1 Claim. (Cl. 220—9.)

The combination with a dough container, including a vessel, a cover having a flange, to engage and seal the edge of the vessel, said cover being formed in the extreme upper portion with vents, and an outer vessel of substantially the shape of the container and cover, said outer vessel comprising a body portion of spaced walls with a heat insulating packing therebetween, and a closure for said outer vessel of spaced parallel walls with a heat insulating packing therebetween, the closure for the outer vessel when applied to the body portion thereof being held above the cover of the container to provide a space between said cover and inner wall of the closure leading from the vents in the cover to the juncture of the closure and body of the outer vessel, whereby to permit gases accumulating in the container to escape at the juncture between the closure and body of the outer vessel.

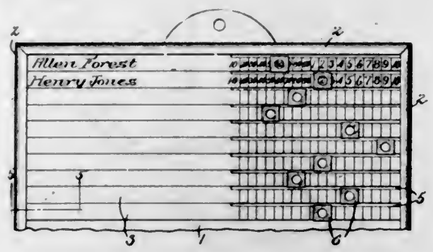


1,501,232. CLUTCH. THEODORE F. PHILIPPI, East St. Louis, Ill. Filed Apr. 13, 1922. Serial No. 552,350. 7 Claims. (Cl. 192—78.)



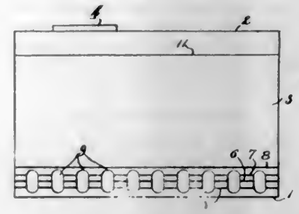
1. The combination of a driven clutch member provided with a circumferentially disposed friction rim, a driving clutch member, a split friction ring carried by said driving clutch member and adapted to operatively engage the rim of said driven member, a radially slidable member mounted on said driving member and operatively engaging one end of said split ring and resilient operative connections between the opposite end of said split ring and said actuating member.

1,501,233. INDEX DEVICE. JAMES H. RAND, North Tonawanda, N. Y. Filed Apr. 14, 1922. Serial No. 552,795. 19 Claims. (Cl. 40—63.)



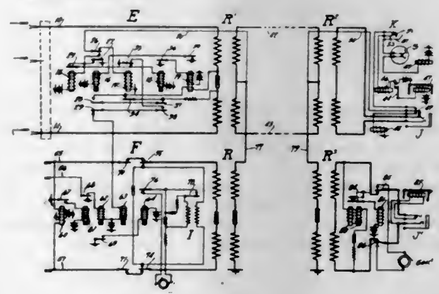
1. An index device comprising an index strip adapted to be mounted edge to edge with other strips and having a marginal cut-out extending longitudinally thereof to receive a sliding signal.

1,501,234. INDEX FOLDER. JAMES H. RAND, North Tonawanda, N. Y. Filed Mar. 2, 1923. Serial No. 622,410. 5 Claims. (Cl. 129—16.7.)



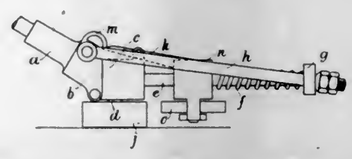
1. A folder for use in filing systems comprising a piece of sheet material doubled to provide a normal fold line defining front and rear folds, the front fold being weakened adjacent to the normal fold line by the provision of apertures therein.

1,501,235. TELEPHONE TRUNK CIRCUITS. ARTHUR J. RAY, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1921. Serial No. 472,478. 12 Claims. (Cl. 179—27.)



1. In a telephone system, a toll office, an automatic exchange, and an interconnecting toll line, automatic switches in the automatic exchange controlled by a toll switching operator in the toll office to establish a connection over said toll line, repeating coils, a ground return talking circuit superimposed on said toll line by means of said repeating coils, a recording operator's position in the toll office, and other switches in the automatic exchange controllable by subscribers for connecting with said superimposed circuit to call the recording operator.

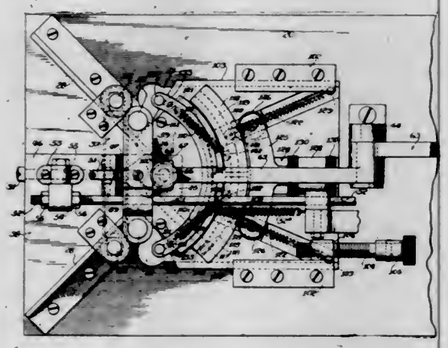
1,501,236. TROLLEY POLE AND THE LIKE. PATRICK ROBBINS, Dundee, Scotland, assignor of two-thirds to James Williamson and George Brander, both of Dundee, Forfar, Scotland. Filed Dec. 17, 1923. Serial No. 681,151. 9 Claims. (Cl. 191—68.)



1. Trolley pole construction for an electrically driven vehicle, comprising in combination a horizontally and vertically pivoted trolley pole, a trolley head thereon adapted to make travelling contact with an overhead conductor, a spring for maintaining the said contact

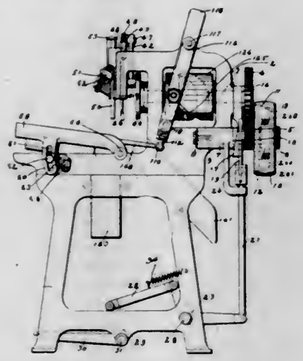
arranged between a front abutment connected to the trolley pole and a movable rear abutment, means for holding the rear abutment stationary in operative position as long as the trolley head is in contact with the overhead conductor, and means for releasing the said rear abutment to allow the said spring to expand on the trolley head leaving the conductor, the expansion of the spring allowing the trolley pole to fall by its own weight clear of the overhead wiring.

1,501,237. FOLDING MACHINE. CARL G. ROLINE and CHARLES NORRE, Chicago, Ill. Filed Aug. 16, 1922. Serial No. 582,125. 35 Claims. (Cl. 11—2.)



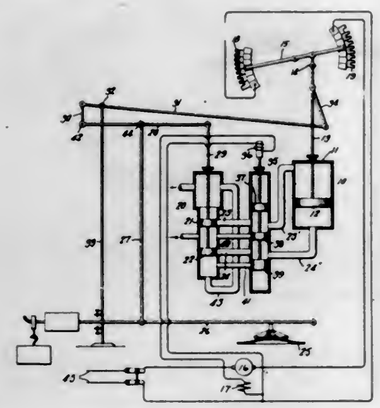
3. A machine for folding round corners embodying means for holding the work, a member for re-enforcing the corner, means for folding the work over said member and upon itself, the last recited means embodying one or more finger like elements having a bodily movement and axial rotation while operating upon the work, means for actuating the last recited means, and means for actuating the said re-enforcing member.

1,501,238. HEEL-BREASTING MACHINE. ISAAC ROSS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 28, 1920. Serial No. 354,590. 50 Claims. (Cl. 12—47.)



1. In a machine for breasting unattached heels, the combination of a breasting knife, a cutting block relatively to which the knife is moved to breast the heel, a carrier constructed and arranged to support and locate the heel in predetermined position, and means for moving the carrier to cause the breast end of the heel to be presented over the cutting block.

1,501,239. PRESSURE-OPERATING DEVICE. CLAUDE C. RUNNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 27, 1920. Serial No. 419,917. 5 Claims. (Cl. 172—288.)

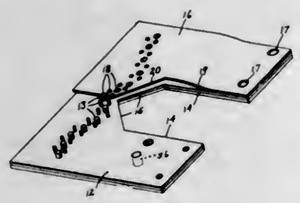


1. The combination with a pressure actuated device of a pressure controlling valve for admitting pressure to and exhausting pressure from the said device, means automatically operated in response to a predetermined condition connected to the said valve for operating the same, fluid passages between the valve and the pressure actuated device, and an electro-magnetically actuated valve governing the passages to admit pressure to and exhaust pressure from the said device independently of the said pressure controlling valve and thereby operate the pressure actuated device independently of the said means.

1,501,240. MANUFACTURE AND OPERATION OF VACUUM TUBES. KARL ROTTGARDT, Dahlem, near Berlin, Germany. Filed Aug. 26, 1921. Serial No. 495,601. 2 Claims. (Cl. 250—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

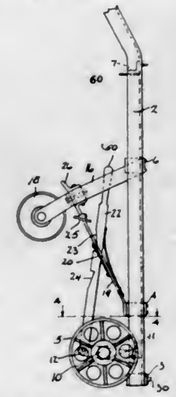
1. The process of manufacturing vacuum tubes having a plurality of metallic electrodes, which consists in introducing a hydrocarbon vapor into the vacuum tube, applying across two of the elements thereof a voltage sufficient to raise at least one of the elements to incandescence, and evacuating the vacuum tube.

1,501,241. PUNCHING DIE. EDWIN C. RUDKIN, Brockton, Mass., assignor to Norman L. Brock, West Bridgewater, Mass., Joseph C. Knight, Brockton, Mass., and Edmond A. Hebert, Holbrook, Mass. Filed Aug. 4, 1922. Serial No. 579,664. 9 Claims. (Cl. 164—93.)



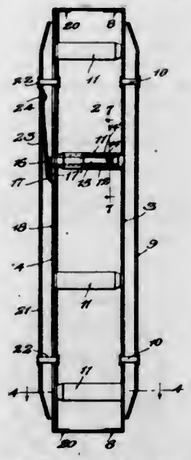
1. A punching-machine element comprising a primary punching die including a die-plate and a group of tubular punches thereon in fixed relation to each other and to the plate and arranged to ornament an edge portion of a blank, the plate of the primary die being provided with means for locating the plate of a secondary punching die with its punches in position to ornament another portion of the blank.

1,501,242. HAND TRUCK. HERBERT B. SABIN, Cleveland, Ohio. Filed Feb. 27, 1922. Serial No. 539,469. 5 Claims. (Cl. 214—65.4.)



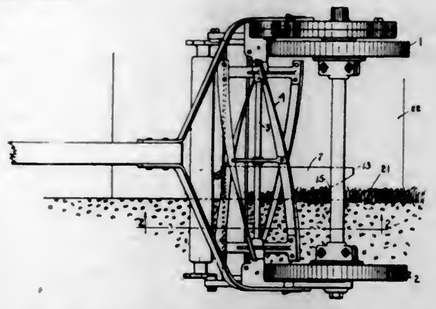
1. In a truck the combination of a frame comprising side members and cross members having handles, a base provided with wheels, said base being pivotally attached to said frame adjacent its lower end, means on said frame for securing a container thereto, and cooperating means on said frame and base for locking the same together in two positions to allow said truck to stand upright and to allow said truck to be tilted over the end of said frame to shift the weight over said wheels before lifting the container.

1,501,243. LOOSE-LEAF BINDER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership having as trustees, F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Jan. 17, 1922. Serial No. 529,838. 7 Claims. (Cl. 129—13.)



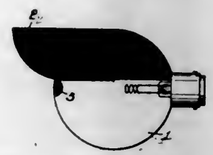
7. In a loose leaf binder, a pair of adjustable sections, connecting means for the sections, means to latch the sections together in adjusted position, a slidable member to actuate the latching means, and spring means affixed to one section for effecting constant tension on both the latching means and the slidable member.

1,501,244. TRIMMER ATTACHMENT FOR LAWN MOWERS. FLOYD L. SCOTT, Houston, Tex. Filed Sept. 13, 1921. Serial No. 500,296. 7 Claims. (Cl. 56—251.)



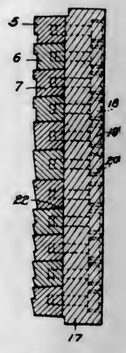
1. An attachment for grass cutters comprising an elongated plate, the forward end of which is curved downwardly, said plate having a rounded corner at one side and an upstanding deflector to the rear of said curved end, and means to secure said plate to a supporting bar on the cutter.

1,501,245. HEADLIGHT BULB. PHILLIP SHERMAN, Toledo, Ohio. Filed Sept. 26, 1921. Serial No. 503,234. 6 Claims. (Cl. 176—34.)



1. An electric light bulb having an integral opaque visor extension on its front top portion.

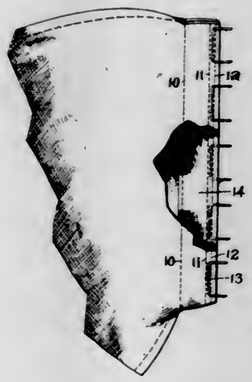
1,501,246. PROCESS FOR MAKING GLASS-MOLD PLUNGERS. JACOB SODERBERG, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 9, 1921, Serial No. 499,448. Renewed Jan. 24, 1924. 3 Claims. (Cl. 76—107.)



1. A process for making plungers for glass molds for producing lenses having superimposed annular and transverse surfaces, which consists in forming the plunger of a base plate and a plurality of transverse strips substantially rectangular in cross-section by assembling and securing the strips side by side to the base plate to provide a composite plate, machining the front face of such

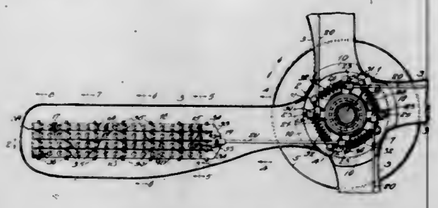
composite plate to provide a series of annular prisms upon the face of the plate, and then removing the strips from the base plate, securing them upon a second base plate surfaced to tilt the strips from the positions occupied in their preceding positions and give them the various inclinations desired for the formation of said transverse surfaces.

1,501,247. POCKET. WILLIAM J. STOTT, Worcester, Mass. Filed Mar. 4, 1922. Serial No. 541,133. 2 Claims. (Cl. 2—15.)



1. As an article of manufacture, an attachable pocket having a hand opening and provided with a continuous row of fastening devices pivotally secured thereto projecting outwardly and extending around said opening, said fastening devices having points capable of lying in the plane of the pocket and of being swung to a plane transverse thereto and adapted to be forced outwardly through the fabric of a pocket to which this article is to be attached and to be bent down on the outer surface thereof to secure this article on the inside thereof.

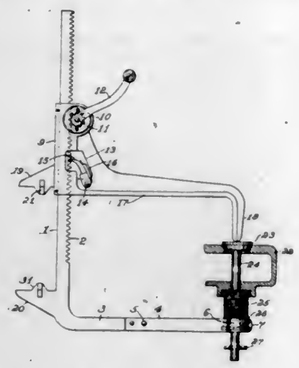
1,501,248. METHOD OF CONTROLLING PROPELLERS. WILLIAM J. H. STRONG, Chicago, Ill. Filed July 15, 1918. Serial No. 244,911. 6 Claims. (Cl. 170—172.)



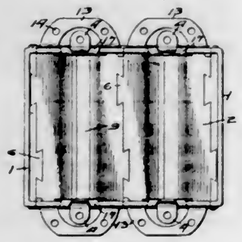
1. The hereindescribed method of controlling the action of propellers which consists in delivering air to the backs of the propeller blades and controlling the quantity of air in inverse proportion to the pressure of the air in which the propeller is operating.

1,501,249. MANIPULATING DEVICE FOR SPRINGS. NICHOLAS SULENTIC, Waterloo, Iowa. Filed Mar. 22, 1923. Serial No. 626,989. 2 Claims. (Cl. 29—86.3.)

1. In a device of the character described, a rack-bar having rack-teeth and having a jaw-projection, a boxing slidable to and fro along said rack-bar and having a jaw-projection opposed to and cooperative with the first-mentioned jaw-protection, a pinion meshing with said rack-teeth and rotatably mounted on said boxing, and a pawl pivotally mounted on said boxing, resiliently-controlled, and meshing yieldingly with said rack-teeth, said jaws being shaped with facing diminished alined projections to adjustingly center a coiled spring therebetween.

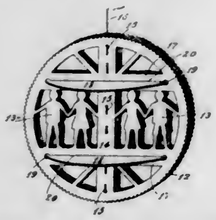


1,501,250. EXTENSIBLE SWITCH BOX. FREDERICK A. TEFFT, Toledo, Ohio, assignor to Abraham Smilack, Toledo, Ohio. Filed July 18, 1921. Serial No. 485,741. 3 Claims. (Cl. 247—16.)



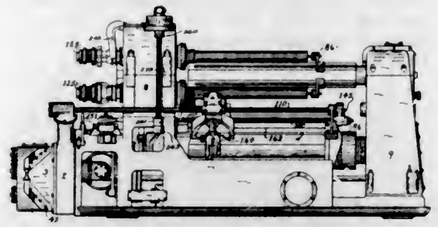
3. In an extensible switch box, end parts and one or more elastic sections, the edges of the end parts and the sections being provided with fantailed tenons extending from the edges of the sections, and fantailed recesses formed in the sections and end parts by depressing edge portions, the said tenons held interlocked in the depressions by the elasticity of the sections.

1,501,251. PAPER ORNAMENT. LARS WM. THORSELL, Waterbury, Conn. Filed Feb. 3, 1922. Serial No. 533,933. 11 Claims. (Cl. 41—11.)



1. In a collapsible ornament, a series of sheets secured together along an axis, said sheets having alined slits, and a stiffening strip to be inserted in said slits for holding the sheets in spaced relation.

1,501,252. THREAD-MILLING MACHINE. GEORGE T. TRUNDLE, Jr., Cleveland, Ohio, assignor, by mesne assignments, to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 1, 1920. Serial No. 393,315. 84 Claims. (Cl. 10—154.)

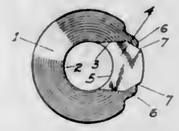


1. A milling machine comprising in combination, a base, a rotatable carrier head thereon, a plurality of work supporting spindles mounted in said carrier head, means to rotate each of said spindles, a milling cutter mounted adjacent one end of said spindles, means to advance said milling cutter into operative position, and means to relatively move said cutter and spindles in a direction parallel to said spindles in timed relation to the rotation thereof.

25. In a milling machine, the combination of a rotatable carrier head, a plurality of work spindles in said carrier head parallel to and positioned at equal distances from the axis thereof, a rotatable spindle for a thread milling cutter, means for indexing the carrier head to bring the work spindles successively into relative relation with the cutter, means for relatively moving said cutter and work spindle axially of the operative work spindle in timed relation to each other, means to move said cutter into and out of operative relation with said cutter, and means for rotating each work spindle through more than one revolution while in said operative relation.

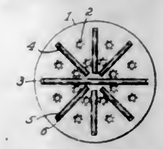
50. In a machine of the character described, the combination of a plurality of work carrying spindles, a cutter spindle, a slide on which the cutter spindle is mounted, a cam, a connection between said slide and said cam for causing a relative longitudinal movement of the spindles, means for causing a relative transverse movement of the work and cutter spindles, and means acting on the work spindles to intermittently advance them and withdraw them longitudinally on their own axis, and means for moving the cutter slide including an adjustable slide permitting the cutter to be positioned to vary its distance with relation to the center of the work spindle.

1,501,253. DEVICE FOR TIGHTENING AUTO WHEELS. RAY C. VAN EMON, Porterville, Calif. Filed Aug. 6, 1923. Serial No. 656,107. 2 Claims. (Cl. 301—68.)



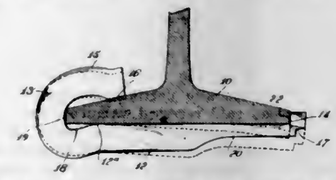
2. A spoke tightening device comprising a main member adapted to be placed about the tenon of a spoke and having an opening leading from the outer periphery to an orifice and through which the tenon passes, a complementary member adapted to be inserted into said opening, and flexible lugs at the outer ends of the opening, certain of the side edges of said complementary member converging toward each other from a point inwardly of the outer ends of the lugs whereby to leave spaces between said lugs and said member into which the lugs may be bent when the complementary member is in position in the opening.

1,501,254. WASHING MACHINE. HENRY M. VAUGHAN, Newton, Iowa. Filed Dec. 21, 1922. Serial No. 608,291. 2 Claims. (Cl. 68—24.)



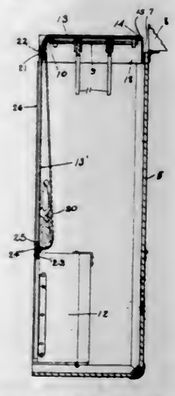
1. In a washing machine, a tub, an oscillatory body positioned therein and having projecting parts which are grooved along one side only, the grooves on these parts on one part of said body opening oppositely to the like grooves on the opposite part of said body to engage the contents of the tub when the body is rocked in either of opposite directions.

1,501,255. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed May 17, 1922. Serial No. 561,603. 11 Claims. (Cl. 238—330.)



1. A rail anchor comprising a body portion formed at one end with a resilient jaw for engaging one flange of a rail base and at the other end with a pressed offset portion forming a shoulder for engaging the other flange of said base.

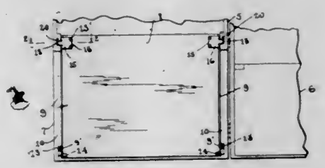
1,501,256. CURTAIN AND LAUNDRY BAG. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Sept. 24, 1921. Serial No. 502,968. 4 Claims. (Cl. 190—13.)



1. The combination with a trunk wardrobe section having an open top and front and a garment hanger track and hangers mounted thereon, said trunk section also having opposite side openings in its upper rear and lower

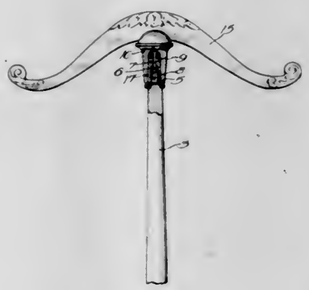
front portions, of a curtain and laundry bag therefor, comprising a fabric extending over the track and covering the open top and front and having looped upper rear and lower front edge portions, the portion of the fabric covering the open front being in the form of a bag having a front opening, means supporting the upper front portion of the fabric, and endwise yieldable bars extending through the looped upper rear and lower front edge portions of the fabric and entering the trunk section opposite side openings for removably connecting the fabric to said trunk section.

1,501,257. TRUNK-SHOE-BOX RETAINING MEANS. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Sept. 11, 1922. Serial No. 587,534. 3 Claims. (Cl. 190—13.)



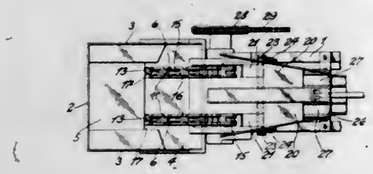
1. The combination with a trunk section provided with a shoe box, of a means for removably securing the shoe box to the trunk section, comprising a valance member mounted on the front edge of the trunk section and extending the height of the trunk and having recesses formed in medial opposite portions thereof, a shoe box positioned between said recessed valance portions, angular locking members mounted on the upper portions of the shoe box and having angular shouldered portions which extend into and lockingly engage the opposite recesses for removably holding the shoe box in its inner upper position, and means for pivotally and removably connecting the lower portion of the shoe box to the valance members of the trunk.

1,501,258. DISPLAY STAND. ARTHUR J. WOLFE, Chicago, Ill., assignor to Decorative Fixture Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 9, 1922. Serial No. 599,746. 3 Claims. (Cl. 211—24.)



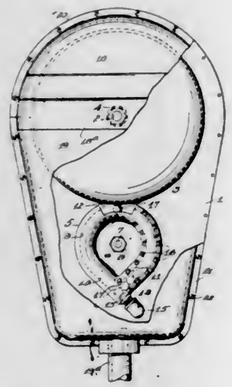
1. As a new article of manufacture, a stand for display of merchandise comprising a standard having at its upper end a head piece of resilient material provided with an incut slot and a cross bore, a clamping bolt adapted to be entered through the cross bore, a display fitting of one character provided with a tongue adapted to be entered into the slot and clamped therein by the bolt, and a display fitting of another character provided with a socket head adapted to have the slotted head piece entered thereinto, adapting the standard for interchangeable use, substantially as described.

1,501,259. NUT-CRACKING MACHINE. ROBERT E. WOODSON, Webster Groves, Mo. Original application filed Dec. 22, 1922, Serial No. 608,408. Divided and this application filed Aug. 3, 1923. Serial No. 655,415. 5 Claims. (Cl. 146—12.)



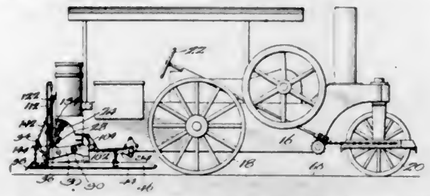
1. In a nut cracking mechanism, an inclined wall for supporting the nuts as the nuts move toward the nut cracking mechanism and having an opening at its upper end, a conveyor for conveying nuts for delivery to said wall, an inclined plate having its lower end near the lower end of said opening and its upper end near said conveyor for receiving nuts delivered thereto from the conveyor and arranged to yield to permit the conveyor to pass, a support on which the lower end of said plate is pivoted near the lower end of said opening, a spring yieldingly supporting said plate in position to receive nuts delivered thereto from the conveyor and permitting said plate to turn on said support, and elements preventing movement of said plate upwardly beyond proper position.

1,501,260. ALARM DEVICE. DAVID A. ALEXANDER, Rochester, N. Y. Filed Feb. 2, 1923, Serial No. 616,580. Renewed Nov. 27, 1923. 10 Claims. (Cl. 116—151.)



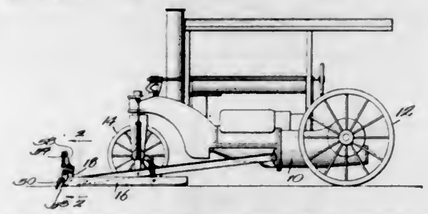
6. In an alarm device, a supporting plate, a striking member, a cylinder mounted on said plate and having an approximately circular path of travel for said striking member and an opening in the cylinder wall, a gong mounted on said plate having a periphery adapted to be engaged by the striking member as the latter passes the said opening, an inlet to the cylinder for fluid under pressure, an outlet from the cylinder beyond the said opening, a housing for the gong and cylinder, and a drain leading from the housing.

1,501,261. ROAD MAINTAINER. WILLIAM T. BEATTY, Flossmoor, FRANK S. DAVIS, Homewood, and FRED D. WILSON, Harvey, Ill.; said Davis and Wilson assignors to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1923. Serial No. 610,346. 36 Claims. (Cl. 37—108.)



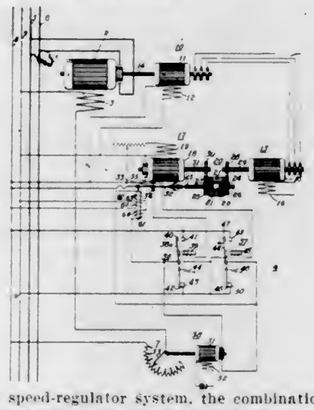
1. In mechanism of the class described, a rigid maintainer blade adapted to extend crossways of a road, separated material retainers extending rearwardly from the blade and a flexible angular plow, with its point secured to the blade, and its sides connected to the retainers.

1,501,262. COMBINATION GRADER-MAINTAINER BLADE FOR ROAD MACHINES. WILLIAM T. BEATTY, Flossmoor, Ill. Filed July 2, 1923. Serial No. 649,045. 10 Claims. (Cl. 37—180.)



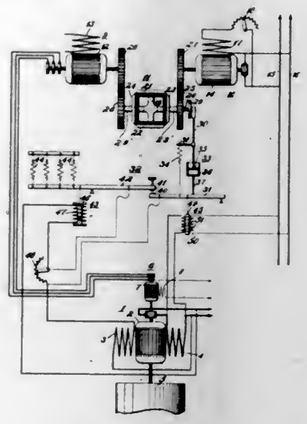
1. In mechanism of the class described, a normally upright blade for ground engagement, a plate hinged adjacent to the upper edge thereof and means for locking the plate in a plurality of selected angular positions with reference to the blade.

1,501,263. SPEED-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 6, 1920. Serial No. 401,586. 10 Claims. (Cl. 172—293.)



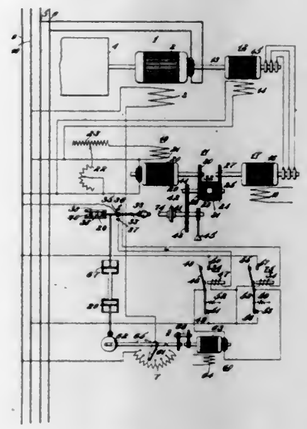
1. In a speed-regulator system, the combination with a motor, and a differential mechanism having one portion thereof operated in accordance with the speed of said motor, of electroresponsive means controlled by said mechanism for maintaining the speed of said motor substantially constant, and for preventing hunting action.

1,501,264. REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 11, 1920. Serial No. 409,719. 25 Claims. (Cl. 172—293.)



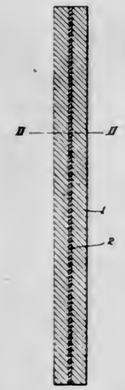
1. In a regulator system, the combination with a motor, a differential gear mechanism operated in accordance with variations in the speed of said motor, and a lever having a resilient and a slowly yieldable connection to said gear mechanism, of means controlled by said lever for governing the excitation of said motor.

1,501,265. SPEED-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 26, 1921. Serial No. 440,043. 10 Claims. (Cl. 172—293.)



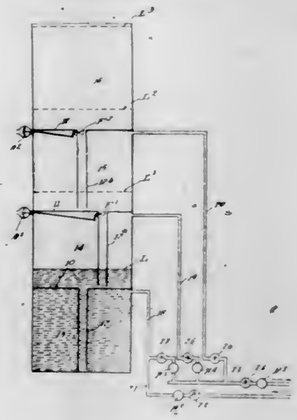
1. In a regulator system, the combination with a main motor and a differential gear mechanism operated in accordance with the variations in the speed of said motor, of a contact arm, a yieldable clutch for connecting said arm to the gear mechanism, means for preventing any lost motion between the contact arm and the gear mechanism, means controlled by the contact arm for governing the excitation of the main motor, and means for reacting upon the contact arm proportional to the correction effected upon the main motor.

1,501,266. ARC-WELDING ELECTRODE. PORTER H. BRACE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 17, 1920. Serial No. 404,088. 11 Claims. (Cl. 219—12.)



1. An arc welding electrode comprising a welding metal and a plurality of types of reducing elements incorporated therein.

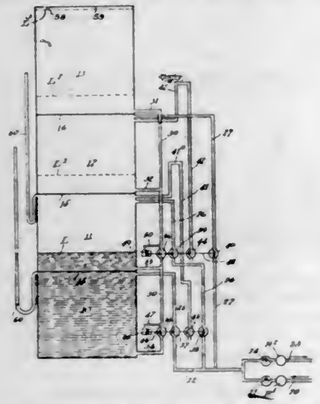
1,501,267. GAS HOLDER. ARTHUR F. BRIDGE, Los Angeles, Calif., assignor of one-fourth to Moreton R. Thompson and one-fourth to Franklin S. Wade, both of Los Angeles, Calif. Filed Dec. 7, 1921. Serial No. 520,533. 6 Claims. (Cl. 48—174.)



1. A gas holder of the water displacement type, characterized by a plurality of gas chambers and a water chamber, each chamber having water passage communication leading from the bottom of one to the bottom of another chamber.

1,501,268. GAS HOLDER. ARTHUR F. BRIDGE, Los Angeles, Calif., assignor of one-fourth to Moreton R. Thompson and one-fourth to Franklin S. Wade, both of Los Angeles, Calif. Filed Dec. 7, 1921. Serial No. 520,534. 7 Claims. (Cl. 48—174.)

1. A gas holder of the water displacement type, characterized by a plurality of separate gas chambers and a water chamber, gas communication to each gas chamber, water communication between the several gas chambers



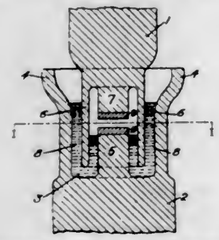
and the water chamber, and means to close the water communication to a chamber when it is filled with gas.

1,501,269. DENTAL MANDREL. JOHN E. CANNING, Denver, Colo.; S. C. Warner administrator of said John E. Canning, deceased, assignor to The Dental Specialty Company, a Corporation of Colorado. Filed Feb. 18, 1922. Serial No. 537,400. 1 Claim. (Cl. 32—13.)



The combination of a spindle having an axial interiorly threaded bore surrounded by a flat concentric shoulder, and a perforated disk engaging said shoulder and having flat surface coacting with the corresponding face of the mandrel and its periphery concentric with the axis of the spindle, a headed screw passing through the perforation of the disk and threaded in the socket of the spindle, and a spring washer located between the disk and the head of the screw and engaging the disk in opposing relation to the shoulder of the spindle.

1,501,270. CONDENSER-TYPE INTERRUPTER. LEWIS W. CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1918. Serial No. 269,092. 17 Claims. (Cl. 200—144.)



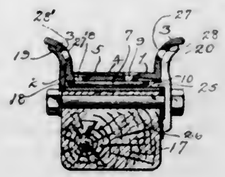
1. The combination with a current-interrupting device, of energy-storing means integral therewith for bridging the same.

1,501,271. VEHICLE. AUGUSTUS R. COLSON, Cincinnati, Ohio. Filed May 11, 1922. Serial No. 560,060. 10 Claims. (Cl. 280—22.)



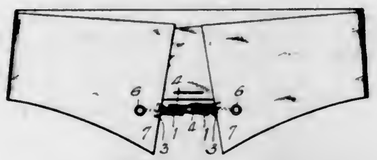
1. A vehicle comprising rigid runners having side recesses respectively therein, a plurality of spaced apart housing supports mounted over said recesses respectively and attached to said runners, a wheel mounted in each housing support and adapted to project slightly below said runners and a frame mounted on said housing supports, substantially as set forth and for the purposes specified.

1,501,272. TIRE RIM. HENRY J. CORBY and ROBERT H. THOMPSON, Dayton, Ohio; said Corby assignor to said Thompson. Filed Aug. 16, 1920. Serial No. 403,941. 2 Claims. (Cl. 301—35.)



1. In a tire rim, an annular channel comprising two beveled rings each provided with a marginal flange, one of said rings being insertable within the other ring with their beveled faces overlapping and in contact, marginal notches in the innermost ring, inward projecting studs in the outermost ring engageable within said notches, and lock means for engaging the stud to interlock the rings including a flexible arm pivoted to the inner face of the inner ring having a projecting boss engaging in an indentation in the inner face of the inner ring to retain the stud engaging lock in adjusted position.

1,501,273. COLLAR FASTENER. JAN CRNOEV, St. Louis, Mo. Filed Apr. 2, 1923. Serial No. 629,343. 10 Claims. (Cl. 24—88.)



1. A collar holder comprising a coupling member formed with two normally nonaligned coiled wire sleeves, a pin for each sleeve and a coiled head for each pin.

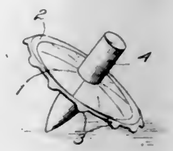
1,501,274. 6, 8-DIMETHYL-2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND PROCESS OF MAKING SAME. MOSES L. CROSSLEY, Somerville, N. J., assignor to Calco Chemical Company, Boundbrook, N. J., a Corporation of New Jersey. Filed Dec. 29, 1920. Serial No. 433,959. 1 Claim. (Cl. 260—39.)

The herein described 6, 8-dimethyl-2-phenylquinoline-4-carboxylic acid, the same being soluble in ethyl alcohol, benzene, ether and carbon tetrachloride, and being capable of forming salts with acids and bases.

1,501,275. ESTER OF 6,8-DIMETHYL-2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND PROCESS OF PRODUCING THE SAME. MOSES L. CROSSLEY, Somerville, N. J., assignor to Calco Chemical Company, Boundbrook, N. J., a Corporation of New Jersey. Filed Dec. 29, 1920. Serial No. 433,960. 3 Claims. (Cl. 260—39.)

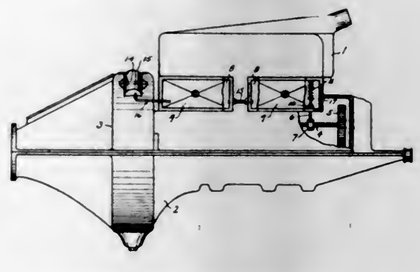
1. The process of producing the ethyl ester of 6,8-dimethyl-2-phenylquinoline-4-carboxylic acid, which consists in commingling substantially 50 parts of the said acid with a mixture of approximately 25 parts of sulphuric acid of a strength of about 100% acid, and substantially 300 parts of ethyl alcohol, heating the resulting mixture, then refluxing it for the desired time, distilling a portion of the alcohol, adding benzene to the residue, and then adding the mixture to water and allowing the mixture to stand cold until hydrolysis is completed, removing any resulting precipitate, extracting the solution with benzene and crystallizing out the ester from the benzene extract.

1,501,276. GAME DEVICE. CURTIS L. CRUVER, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,085. 2 Claims. (Cl. 46—56.)



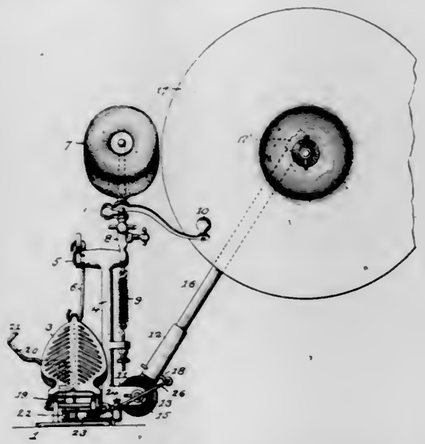
1. A spinning top comprising a spindle having a pointed end, a disk thereon having its major portion circular in shape, an upturned rim about said disk integral therewith, the outer edge of said rim having spaced teeth-like projections thereon, said teeth being directed downwardly with reference to the disk towards the pointed end of the spindle, whereby two teeth and the pointed end of the spindle support the top when at rest.

1,501,277. OILING DEVICE FOR INTERNAL-COMBUSTION MOTORS. SAMUEL P. CUNNINGHAM, Beaumont, Tex. Filed Oct. 31, 1922. Serial No. 598,088. 9 Claims. (Cl. 184—11.)



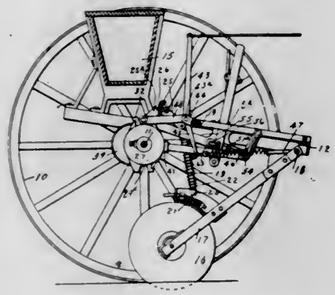
3. The combination with a motor having a crank case formed with a fly wheel housing, said housing having a port in the upper part thereof, of an oil chamber carried by the housing and enclosing said port, a push rod chamber, a lubricant conduit leading from said oil chamber, and entering the front part of the crank case, said conduit including said push rod chamber, the cylinder wall of the motor having a port which communicates with said push rod chamber.

1,501,278. DRUM AND CYMBAL BEATER. ROBERT C. DANLY, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 1, 1922. Serial No. 548,749. 9 Claims. (Cl. 84—422.)



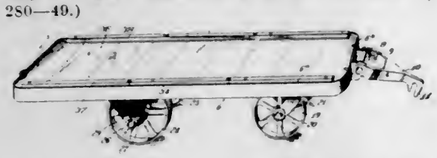
7. In a drum and cymbal beater mechanism, the combination of a floor base having an upstanding post, a main pedal pivoted to said base, a cymbal carrying arm mounted on said post and formed for independent turning movement with relation to said post, a rock shaft journalled in the upper end of said post and operatively connected to the pedal, a carrying stem for a drum beater head secured to said shaft, a lateral carrying arm for a cymbal beater head mounted on the carrying stem of the drum beater head, and an auxiliary pedal mounted on the main pedal and operatively connected to the carrying arm of the cymbal and adapted to impart a turning movement to the same.

1,501,279. DRAFT-OPERATED LIFTING DEVICE FOR SEEDING MACHINES. PAUL L. HATFIELD, Peoria, Ill., assignor to Peoria Drill and Seeder Co., Peoria, Ill., a Corporation of Illinois. Filed Aug. 8, 1919. Serial No. 316,019. 5 Claims. (Cl. 74—14.)



1. In a machine of the character described, in combination, a rotatable driven member, a rockable member, and means for converting the rotary action of the driven member into a variable rocking motion of the rocker member, comprising an eccentric on the rotative member, an arm on the rocker member, a swingable member spaced from said eccentric and arm, provided with pivoting means at its swinging end, a bar connecting the eccentric with the swinging member, a bar connected, one end, with the arm on the rockable member, having a longitudinal slot in its opposed end engageable with the pivot member on the swinging member, to provide a relative shiftable connection therewith, and an adjustable filler member in said slot so related as to length therewith, whereby through adjustment, variable lengths of clearance space are provided to facilitate variation of the length of movement of said bar.

1,501,280. TRAILER TRUCK. JOHN C. W. HINSHAW, Chicago, Ill., assignor to Mercury Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 578,095. 3 Claims. (Cl. 280—49.)



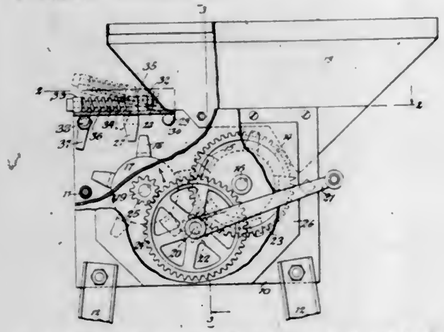
1. A truck frame comprising two substantially U-shaped T iron members, longitudinally-extending bars connecting the end portions of each of said members together, and means fixedly connecting said two members together to form a substantially rectangular frame.

1,501,281. AUTOMATIC CALLING DEVICE. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1920. Serial No. 372,525. Renewed Mar. 5, 1923. 30 Claims. (Cl. 179—90.)



16. A calling device of the character described including a mounting plate, a supporting tripod secured to said mounting plate and having integrally formed ears extending through the mounting plate, a gear shaft, and an integrally formed arm for said tripod forming a bearing for said gear shaft.

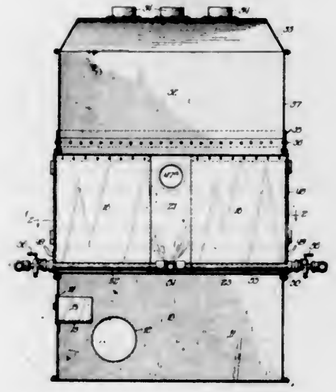
1,501,282. DISINTEGRATOR. STEPHEN A. KOST, Buffalo, N. Y. Filed June 27, 1923. Serial No. 648,149. 2 Claims. (Cl. 83—11.)



1. A disintegrator comprising a casing having an inlet for the material to be disintegrated and an outlet for the disintegrated material, a rotary cylinder arranged in the casing and provided with teeth on its periphery, a comb

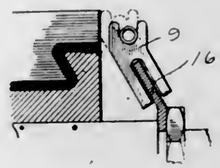
arranged above said outlet and having the space between its teeth traversed by the teeth of said cylinder, a plate arranged above said cylinder and pivoted to swing vertically, a guide rod which is mounted on said plate and which carries said comb, and a spring surrounding said rod and operating on said comb for yieldingly holding the same in its innermost position.

1,501,283. GAS-FIRED HOT-AIR FURNACE. WILLIAM C. LANGSTON, Oak Park, Ill., assignor of one-half to Walter I. Coble, Chicago, Ill. Filed Jan. 17, 1923. Serial No. 613,101. 2 Claims. (Cl. 126—116.)



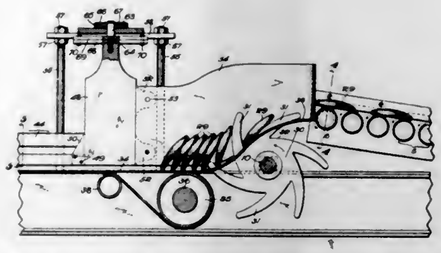
1. A combustion chamber providing a unit adapted to be arranged within and transversely of a main casing for a furnace having an air inlet and outlet, said chamber having communicating radially arranged hollow arms or branches which extend to each of the walls of said casing and are provided with doors at their outer ends, said unit being adapted to be arranged between the inlet and outlet of the main casing so that air entering the casing may pass through the space provided between the radially arranged hollow arms of the combustion chamber, and said radially arranged hollow arms being adapted to have burners arranged therein which extend through the main casing and lengthwise of and within said arms.

1,501,284. SHORT CIRCUITER. EVERETT P. LARSH, Dayton, Ohio. Filed Jan. 10, 1922. Serial No. 528,223. 9 Claims. (Cl. 172—279.)



5. In a short circuiting device for commutators, a concavo-convex disc located in spaced relation with the lateral face of the commutator, an expansible and contractible series of contact members controlled by centrifugal influence, said contact members being guided by said concavo-convex disc during the movement under centrifugal influence in a direction inclined to the axis of rotation.

1,501,285. MECHANISM FOR CONVEYING AND STACKING FOOD PRODUCTS. EDWARD E. LAWRENCE, Jamaica, N. Y., assignor to Loose Wiles Biscuit Company, Long Island City, N. Y., a Corporation of New York. Filed May 19, 1922. Serial No. 562,244. 26 Claims. (Cl. 107—45.)

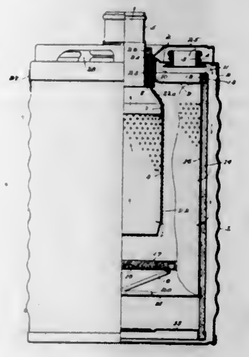


5. In mechanism for conveying and stacking disk-like articles, the combination of stacking means for said articles, a series of rolls to convey said articles to said stacking means, means to impart rotation in one direction to said rolls, means to impart to and fro axial movement to one or more of said rolls to facilitate delivery of the articles to said stacking means.

12. In mechanism for conveying and stacking disk-like articles, the combination of stacking means for said articles having a plurality of stackways provided at their entrance with a longitudinally slotted grid, a transverse shaft below said grid, star wheel like disks upon said shaft adapted to enter the slots of said grid to receive the articles substantially flatwise between said projections and to turn them into and deliver them in upright edgewise position along said stackways.

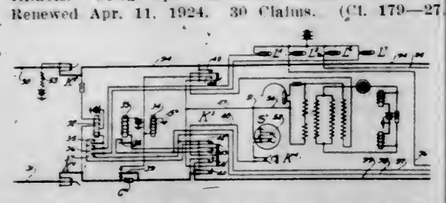
13. In mechanism for conveying and stacking disk-like articles, the combination of stackways having longitudinally extending partitions, a series of levers extending transversely of said mechanism and connecting said partitions for varying the width of all of said stackways.

1,501,286. GAS-MASK CANISTER. FRANK A. LOGAN, Edgewood, Md. Filed Mar. 8, 1921. Serial No. 450,710. 8 Claims. (Cl. 183—44.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



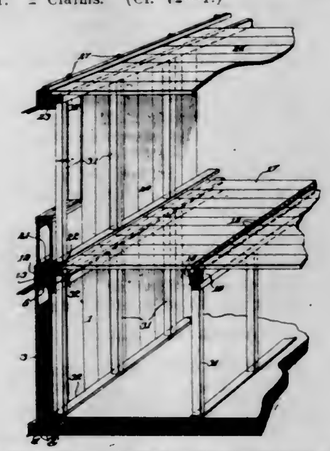
1. A gas mask canister comprising a central, perforated body, means possessing low resistance to breathing and enveloping said perforated body for removing toxic smoke from air or gas mixtures, said canister being sealed against passage of air or gas mixtures to be treated into the interior of the canister without first passing thru said smoke-remover, and means disposed between said perforated body and said enveloping means for removing toxic gases from said air or gas mixture.

1,501,287. AUTOMATIC TELEPHONE SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1920. Serial No. 374,886. Renewed Apr. 11, 1924. 30 Claims. (Cl. 179—27.)



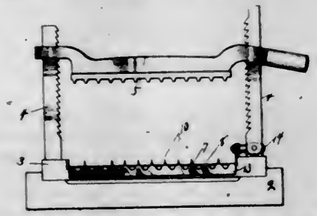
1. In a telephone system, a manual main exchange and an automatic branch exchange, an attendant operator's position at the branch exchange, continuous two way trunk lines passing through said operator's position and connecting said exchanges, and means including said trunk lines for completing interexchange calls originating in either exchange.

1,501,288. CONCRETE STRUCTURE. CHARLES D. MORLEY, St. Louis, Mo. Filed Apr. 5, 1920. Serial No. 371,201. 2 Claims. (Cl. 72—1.)



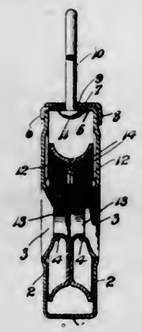
1. A reinforced concrete structure comprising vertically disposed precast slabs of reinforced concrete constituting hollow walls and column forms, a filling of reinforced concrete in said column forms and integrated therewith, precast reinforced concrete floor slabs, precast concrete beam forms filled with reinforced concrete to constitute beams, reinforcement projecting from said walls, column forms and floor slabs into said beams, said columns and beams constituting the load carrying members of said structure.

1,501,289. REMOVABLE CLEANABLE MEAT HOLDER OR PLATE FOR SLICING MACHINES. ERNEST MOSER, New York, N. Y. Filed Aug. 4, 1923. Serial No. 655,566. 10 Claims. (Cl. 146—217.)



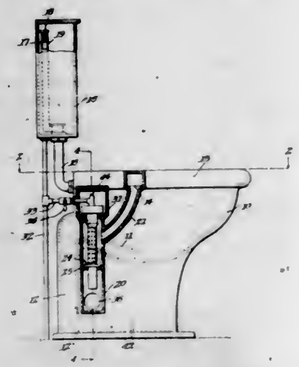
1. A removable meat supporting plate for slicing machines having a downwardly extending apron at its forward edge, and openings for the passage of pins or prongs.

1,501,290. PULLEY. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed Nov. 21, 1921. Serial No. 516,541. 2 Claims. (Cl. 254—192.)



1. A pulley construction comprising a hanger of sheet metal having substantially parallel sides connected at their lower ends by an integral bottom cross piece, each of said sides at its upper end being bent toward the other side substantially at right angles to make overlapping sections at the upper end of the hanger, a tongue on the end of the under section passing through and clinched against the side opposite to that from which said under section is turned, said sections having alined openings therethrough, a hook swivelly mounted in and passing through said openings, and a pulley wheel rotatably mounted on and between the sides of the hanger.

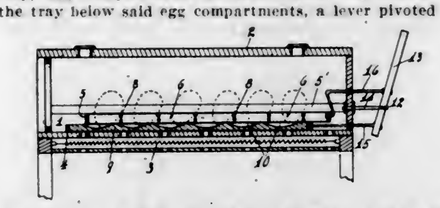
1,501,291. VENTILATING WATER-CLOSETS. EDWARD H. RAPER, Mapleton, Iowa, and CHARLES E. RAPER, Sheridan, Wyo. Filed June 9, 1923. Serial No. 644,381. 11 Claims. (Cl. 4—72.)



1. The combination with a water closet bowl and the waste pipe of the closet, of a ventilating chamber communicating with the bowl, means for creating suction through said chamber to withdraw foul air from the bowl comprising a perforated tube mounted within the chamber, means for causing fluid to flow through said tube, and a siphoning trap connecting said chamber and the waste pipe.

1,501,292. EGG-TURNING DEVICE. SEWARD SMITH, Oakland, Calif. Filed June 10, 1922. Serial No. 567,278. 2 Claims. (Cl. 119—44.)

1. In combination with an incubator, an egg turning device comprising a tray, a frame superimposed on said tray, egg compartments in said frame, depressions in the tray below said egg compartments, a lever pivoted to

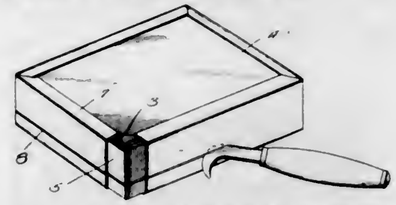


the incubator, a link secured to said frame and to said lever, and a link secured to said tray and to said lever.

1,501,293. METHOD OF COATING METALS, FLUX THEREFOR, ETC. RICHARD STAACK, North Bergen, N. J., assignor to Richard Staack Lead Coating Works, a Corporation of New Jersey. Filed Feb. 8, 1923. Serial No. 617,842. 25 Claims. (Cl. 148—7.)

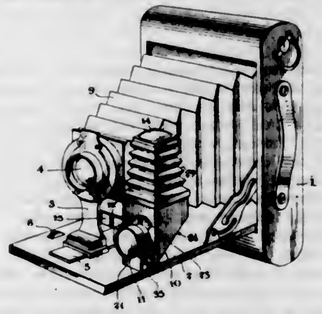
1. The method of covering metal with a protective metal coating, which consists in cleansing the metal to be coated, drenching the cleansed metal with a flux containing phosphorus, and uniting with the drenched metal a protective metal in molten condition containing phosphorus.

1,501,294. METHOD FOR MAKING BOXES. JOHN J. TYER, Greensboro, N. C. Filed Feb. 24, 1923. Serial No. 621,025. 5 Claims. (Cl. 217—2.)



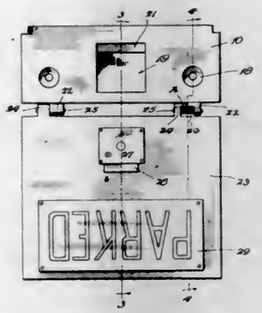
1. A method of making a shouldered box and lid therefor consisting in forming a closed hollow member from a plurality of separable parts, applying a single adhesive strip around the sides of the hollow member and engaged with the top and bottom thereof to hold the parts assembled, and making an incision through the binding strip and certain of the parts to separate the hollow member into a shouldered box and lid.

1,501,295. FOCUSING VIEW FINDER. WILLIAM EARL WILSON, Mount Rainier, Md. Filed Oct. 5, 1921. Serial No. 505,573. 18 Claims. (Cl. 95—44.)



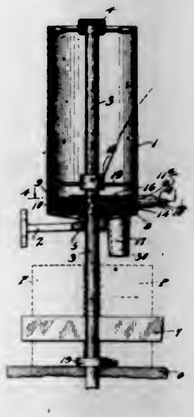
1. The combination of a camera lens board and camera bed, a focusing device comprising a relatively movable part carried by the lens board, and a relatively fixed part of the device carried by the camera bed.

1,501,296. THEFT SIGNAL. LUDWIG R. ZEPKA, Cleveland, Ohio. Filed Dec. 20, 1922. Serial No. 608,008. 5 Claims. (Cl. 40—2.2.)



2. A theft signal for motor vehicles including a base block shaped to fit a wind shield rail, a signal plate associated with the block and adapted to abut one face of the block projecting beyond the lines thereof in active position, and means for locking the signal plate active.

1,501,297. SALTING MACHINE. JOHN F. ANDERSON, Oakland, Calif. Original application filed Sept. 18, 1917, Serial No. 191,922. Divided and this application filed Jan. 24, 1921. Serial No. 439,468. 7 Claims. (Cl. 221—108.)

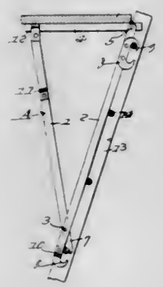


1. A device of the character described, comprising a container having a discharge opening therein, a measuring disk within said container adjacent said discharge opening and having peripheral pockets, means for imparting a step-by-step rotation to said disk, and a scraper located contiguous to said discharge opening and positioned to engage the periphery of said disk.

1,501,298. LADDER BRACKET. CYRUS W. ARMITAGE, Canby, Minn. Filed July 3, 1923. Serial No. 649,272. 1 Claim. (Cl. 304—35.)

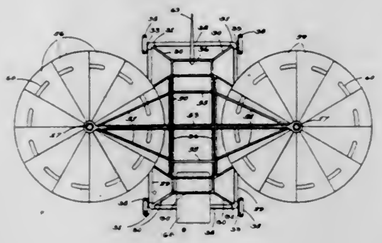
A device for the purpose indicated, comprising triangular side frames consisting of converging side bars and a transverse bar connecting the side bars at their

diverging ends, one of the side bars being extended and formed with a return hook and the adjacent end of the other side bar being extended to provide a hook similar to the first hook but oppositely disposed with respect to



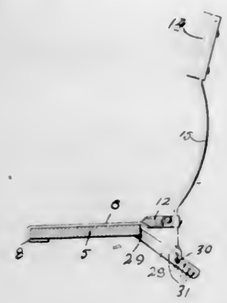
the latter, a clip member formed with oppositely facing hooks and secured to one of the side bars adjacent said transverse bar, and a platform spanning the transverse bars.

1,501,299. FLYING MACHINE. WILLIAM ARMSTRONG, Drinkwater, Saskatchewan, Canada. Filed Mar. 23, 1923. Serial No. 627,241. 15 Claims. (Cl. 244—19.)



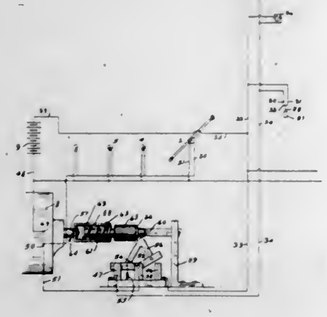
1. A flying machine including parallel main rectangular frames; connections between said parallel main rectangular frames; side frame members extended outwardly from said parallel main rectangular frames; planes mounted in said side frame members; a main supporting rod extended through said parallel main rectangular frames and co-operating with said side frame members to support said planes; a body suspended on said main supporting rod between said parallel main rectangular frames; a lower frame depending from the suspending means for said body; landing wheels resiliently mounted beneath the last mentioned frame; sleeves rotatably mounted on said main supporting rod to either side of the parallel main rectangular frames; driving connections between said sleeves and said planes; means within said body for operating said sleeves; driving connections between the last mentioned means and said sleeves; means for tilting the parallel main rectangular frames and parts carried thereby; operating means for the last mentioned means carried in said body.

1,501,300. BACK REST. ALBERT J. BAYLES, Melrose Park, Ill. Filed Oct. 31, 1922. Serial No. 598,152. 3 Claims. (Cl. 155—133.)



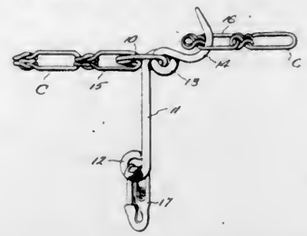
1. In combination, a back rest, a pair of plates adjustably clamped to said back rest between its ends, a hook shaped member pivotally connected to one of said plates, and means for adjustably holding said back rest in a rigid position.

1,501,301. BRIDGE SIGNAL. JOHN S. BAY, Denver, Colo. Filed Feb. 11, 1924. Serial No. 691,982. 5 Claims. (Cl. 246—121.)



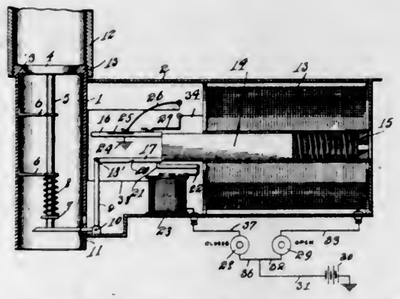
5. In a railway bridge signal system, in combination, a bridge, a railway track, a plurality of signal posts located along the side of the track on each side of the bridge, one of said signal posts carrying an arm rotatably mounted thereon, a signal lamp in each end of said arm, means for causing said arm to rotate, a source of electrical energy, means comprising electrical conductors for connecting the lamps to the source of power, means for alternately making and breaking the circuit to the lamps while they are rotated, an open electric circuit extending from the source of electrical power to the bridge, means for closing said circuit when the water exceeds a predetermined level, said means comprising a float-operated switch, means for closing said circuit in case the bridge burns, said means comprising a thermal circuit closer, and means for disconnecting said portion of the circuit extending to the bridge after the signals have started to operate.

1,501,302. CHAIN LOCK. CLARK W. BEAUCHAMP, Somers, Mont. Filed Oct. 15, 1923. Serial No. 668,748. 3 Claims. (Cl. 24—69.)



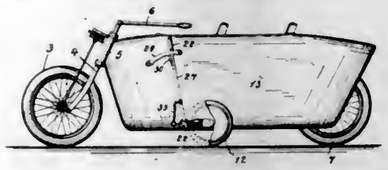
1. The combination with a link chain: of a locking device for coupling adjacent chain ends together comprising a single locking lever having pivotal connection at a point intermediate its ends to an end link of the chain and provided with a lever arm at one side of the pivotal connection and a hook at the other side of the pivotal connection arranged at right angles to the lever arm, said hook being arranged for engagement with the other end link of the chain to draw the same into overlapping relation with the first end link, and means to latch the arm to the chain adjacent said second end link.

1,501,303. VALVE. THOMAS R. BERRY, Lead, S. Dak. Filed Aug. 29, 1922. Serial No. 584,968. 1 Claim. (Cl. 137—139.)



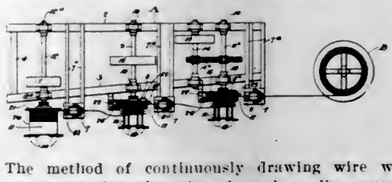
In combination a valve casing, a valve therefor; means for normally holding the valve in a closed position, a lever having one end thereof engageable with the valve, a solenoid including a core movable therein, a spring for normally holding the core in an extended position; a rod extended from the core and connected with the lever so that upon energization of the solenoid the core will be moved inwardly and the rod actuated to swing the lever for opening the valve, a spring pressed catch, said rod provided with a notch adapted to be engaged by the catch when the valve is in an open position, an electro-magnet associated with the catch which when energized will attract the catch so as to disengage from the notch of the rod, a primary circuit including a switch, a source of electrical energy, the solenoid, a spring contact, a contact rod attached to the core of the solenoid and provided with an insulating strip, said contact rod and said source of electrical energy being grounded, said spring contact being only engaged with the insulated portion of the contact rod when the core of the solenoid is in a retracted position and the valve opened, an auxiliary circuit including the source of electrical energy, a second switch, the electromagnet, a second spring contact, and the contact rod, said second contact being only engaged with the insulated strip of the contact rod when the valve is in a closed position so that the electromagnet is always de-energized at this time.

1,501,304. MOTOR VEHICLE. REINHOLD BOEHM, Berlin-Johannisthal, Germany, assignor to Alfred Morgan, Berlin, Germany. Filed Oct. 12, 1920. Serial No. 416,487. 17 Claims. (Cl. 208—78.)



1. In a motor car, the combination with the body, and a front and rear wheel disposed in tandem, of a transverse shaft mounted on the body of the car intermediate the wheels and adapted to automatically rock about the longitudinal axis of the vehicle independently of the latter, side supporting wheels eccentrically mounted on said shaft and means to rock said shaft about its axis whereby the side supporting wheels are moved towards and from the ground.

1,501,305. METHOD OF DRAWING WIRE CONTINUOUSLY. ERNST BOLEY, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Dec. 27, 1920. Serial No. 433,282. 18 Claims. (Cl. 205—14.)



1. The method of continuously drawing wire which consists in drawing the wire through a die, wrapping the drawn wire upon a draw block, forming a plurality of taut and a plurality of loose coils thereon and feeding portions of the wire from said loose coils through a second die while drawing other portions of the wire through said first die, and wrapping the wire after drawing through said second die on a suitable block and thereby forming a bundle or coil of the drawn wire.

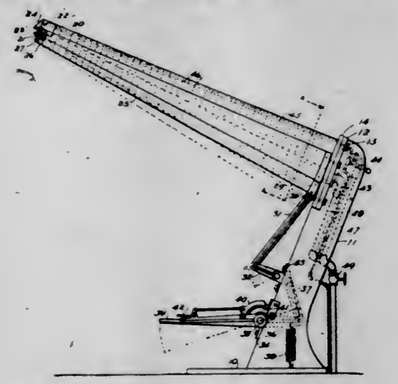
1,501,306. BAILER. ALEXANDER BOYNTON, San Antonio, Tex. Filed May 8, 1922. Serial No. 559,363. 15 Claims. (Cl. 166—19.)



1. A bailer comprising a body having discharge means, a gravity actuated sleeve mounted on said body and adapted to close said discharge means, said sleeve provided with a slot having a branch, a locking pin carried

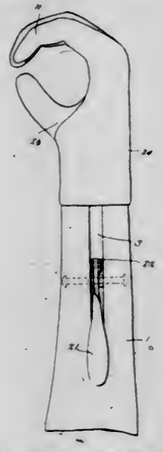
by said body and adapted to be received in said branch to lock the sleeve over said discharge means, said pin being adapted to limit the forward movement of said sleeve on the body, and a bailer bottom connected to said body and limiting the forward movement of said sleeve and cooperating with the pin in this respect, the rear portion of the bailer bottom being rabbeted to snugly receive the forward portion of said sleeve whereby to provide a seal between the sleeve and the body.

1,501,307. GARMENT FORMER. CECIL H. BOYDLE, Louisville, Ky. Filed Mar. 21, 1921. Serial No. 454,080. 14 Claims. (Cl. 223—17.)



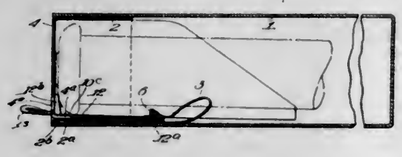
1. In a garment former machine, a heater of frusto-pyramidal form, the cross section of said heater being laterally flattened with oppositely disposed acute angled edges, a fixed envelope element covering one of said edges and the sides of the heater adjacent thereto, a movable envelope element surrounding the remainder of the heater sides and edge, and means to move the movable element away from and toward the fixed element.

1,501,308. ARTIFICIAL ARM. FRANK BURNEY, Jr., Thomasville, Ga. Filed Oct. 8, 1923. Serial No. 667,381. 4 Claims. (Cl. 3—12.)



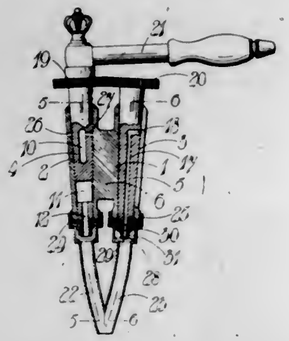
1. An artificial arm including a hollow fore arm portion, a tapered block hingedly connected to and cooperating with one end of the fore arm portion to provide a palm portion, flexible tubular finger portions hingedly connected to the block and having angular incisions at the joint portions thereof, cords extended longitudinally through the fingers and anchored at one end to the outer ends of the fingers, said cords being extended movably through the block and through the end of the fore arm portion, a block slidable within the fore arm portion to which the cords are connected, and means for securing the slidable block in either of two positions.

1,501,309. CONTAINER FOR MUSIC ROLLS AND THE LIKE. CHARLES S. BURTON, Oak Park, Ill. Filed Oct. 4, 1921. Serial No. 505,377. 9 Claims. (Cl. 206—52.)



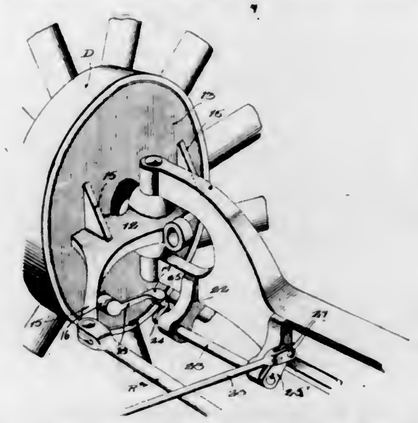
1. In combination with a tubular box having one end open for inserting and withdrawing its contents, an interior tubular reinforce proximate to the open end; a telescoping closure sliding in said reinforce for opening and closing the box and means engaging the closure to the reinforce for limiting the withdrawal of the closure.

1,501,310. LIQUID-DELIVERY TAP. CORNELIUS CHAMBERS, Shirley, England. Filed Apr. 6, 1923. Serial No. 630,315. 1 Claim. (Cl. 225—26.)



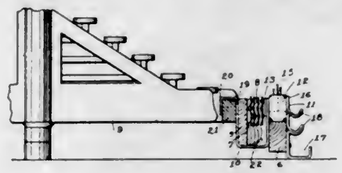
A liquid delivery tap comprising a pair of tap bodies having laterally extending inlet passages in corresponding positions on the sides of the two bodies and outlet passages in their lower ends; a measuring chamber disposed in the side of one of the tap bodies opposite the inlet passage therein, having inlet and discharge openings; a transparent front for said measuring chamber; a pair of plug valves in said bodies having diametral ports, the valve in the measuring chamber body having two ports, one for the inlet and one for the outlet, and the valve in the other body having a single port, which port and said outlet port are arranged in the same angular relation and in different angular positions to said inlet port, so that said single port and said outlet port are opened together when the said inlet port is closed and vice versa; gearing interconnecting said valves so that they move simultaneously and by the same amount, and an operating handle on one of said plug valves.

1,501,311. BRAKE. WILLIAM COOPER, New Orleans, La., assignor of one-half to Joseph Albert Marck, New York, N. Y. Filed May 31, 1922. Serial No. 564,693. 2 Claims. (Cl. 188—194.)



2. In a brake mechanism for a steering wheel of a motor vehicle, a brake drum carried by the hub of said wheel, a braking mechanism within said brake drum, a crank member operatively supported from means projecting from the steering knuckle of said steering wheel, said crank arm being adapted to actuate the braking mechanism when rotated in a predetermined direction, lugs extending from the front axle of the associated steering wheel, a shaft rotatably supported by said lugs, a crank arm carried by said shaft and adapted to engage the crank arm carried by the steering knuckle and actuate said braking mechanism when rotated in a certain direction, and means whereby said shaft may be rotated from a remote point.

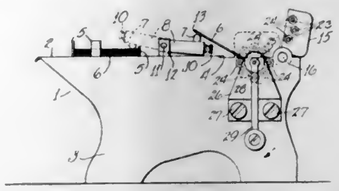
1,501,312. TYPEWRITER ATTACHMENT. REGINALD S. COYSH, Calgary, Alberta, Canada. Filed June 2, 1923. Serial No. 643,116. 3 Claims. (Cl. 197—180.)



1. A typewriter attachment including spaced plates forming pocket walls; a tray member carried by one of said pocket walls; bottom strap members connecting said plates and forming the bottom members of one of the pockets; and attaching members carried by one of said plates and having portions extended for engagement with a typewriter and other portions extended for supporting articles in one of said pockets.

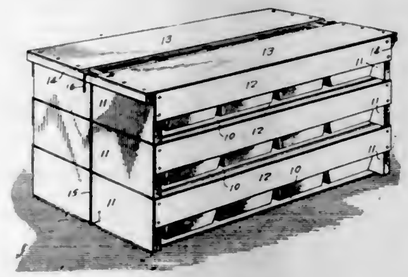
1,501,313. CIGARETTE-MAKING DEVICE. JERE ELLWOOD CROTTY, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,423. 1 Claim. (Cl. 131—5.)

A device of the type described comprising a frame, a plurality of papers carried by said frame, a plurality of rollers for forming tobacco into a roll, means for feeding one paper at a time from the pile of papers into the rollers, a spacing roller disposed at one end of said rollers, and being enclosed thereby, a second roller disposed at the other end of said rollers, said frame having a slot, and a pin axially aligned with said second named roller and being carried thereby, said pin projecting beyond each end of said second named roller and being



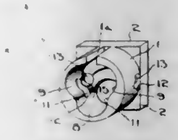
disposed in said slot, whereby said pin will be embedded in a cigarette being formed, and is adapted to lift the cigarette free from the rollers when said pin is swung about the side of the slot as a pivot.

1,501,314. CRATE. ROBERT LEE DAILEY, McRae, Ark. Filed Apr. 7, 1924. Serial No. 704,785. 2 Claims. (Cl. 217—13.)



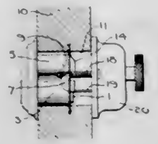
1. A crate composed of similar superimposed sections and means to hold them together in assembled relation, each of said sections comprising bottom, end and side walls and a cover for the top-most section, the cover and the sections being secured together by a single securing means, the cover consisting of cleats at the ends and strips extending between and above the cleats and spaced apart, said cleats overlapping the adjacent ends of the top section, and said securing means extending from the bottom section to the cover and to the space between the cover strips and having hooked engagement with the cleats.

1,501,315. MEANS FOR SECURING LOCKS. PERCY WILLIAM CHARLES DEMENT, Kilbirnie, Wellington, New Zealand. Filed Mar. 21, 1923. Serial No. 626,646. 6 Claims. (Cl. 70—46.)



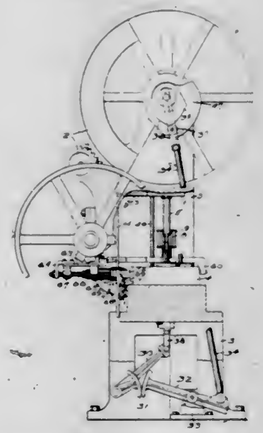
1. Improved means for use in securing locks of the kind specified, comprising, a lock receiving casing for insertion in a member to be locked, recesses formed in the casing for receiving lugs on a lock at the end of insertion of the lock into the casing, and connecting screws fitted to the casing for retaining the lugs in the recesses, to thereby prevent withdrawal of the lock from the casing.

1,501,316. DEVICE FOR PREVENTING THE TURNING OR WITHDRAWAL OF CYLINDER LOCKS. PERCY WILLIAM CHARLES DEMENT, Kilbirnie, Wellington, New Zealand. Filed Mar. 21, 1923. Serial No. 626,647. 5 Claims. (Cl. 70—46.)



1. Means for securing locks of the kind specified, comprising, a plate insertable in a door or the like so as to cross a lock receiving hole in the door, an aperture in the plate so positioned as to register with the hole, and recesses in said plate and adjacent the aperture for receiving and retaining lugs of a lock with which used.

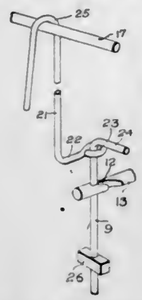
1,501,317. BROACHING MACHINE. AUGUSTUS F. DONALDSON, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,036. 20 Claims. (Cl. 90—33.)



20. In a bushing broaching machine, a ram, a punch so connected to the ram as to permit free lateral movement of the punch relative to the ram, and having a recess, a bolster plate, a broaching die located in the bolster plate, an arbor extending through the die, means for raising the arbor to raise the bushing within the centering means of the punch, means for operating the punch to force the bushing over the arbor until the arbor engages the punch within the recess, and lowering the arbor to force the bushing through the die while the arbor is held in the recess of the punch, the centering means of the punch being located at a distance above the die substantially equal to the length of the bushing, a stripper member located below the die for stripping the bushing from the arbor, a feeding means for elastically engaging and positioning the bushings over the broaching die.

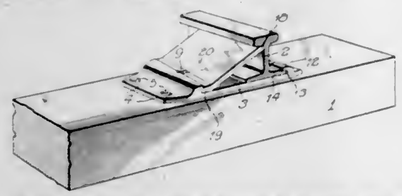
1,501,318. FLUSH VALVE. EDWARD F. DONNELLY, Malden, Mass. Filed May 15, 1920. Serial No. 381,577. 3 Claims. (Cl. 4—57.)

1. The combination with a flush valve having an outlet provided with a valve seat and an overflow pipe, of a guiding arm extending from the overflow pipe and provided with an open slot having its open end directed away from the end of the arm, a valve for the valve seat, said valve having a stem extending through and guided by



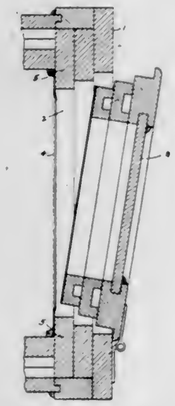
said slot, a handle having a rock shaft journalled in the side of the tank, and a readily-detachble connection between the rock shaft and valve stem which tends to hold the stem at the closed end of the slot.

1,501,319. RAILROAD-RAIL BRACE. JOSEPH R. DOOLEY, Mobile, Ala., assignor of one-half to Cornelius W. Vink, Mobile, Ala. Filed Oct. 11, 1923. Serial No. 667,883. 6 Claims. (Cl. 238—292.)



1. As a new article of manufacture, a railroad rail brace substantially flat and having an angled side tapered with relation to its opposite side and forming a wedge-shaped brace.

1,501,320. REFRIGERATOR. CARL L. DRACHENBERG, Houston, Tex. Filed Mar. 1, 1923. Serial No. 622,115. 6 Claims. (Cl. 20—69.)



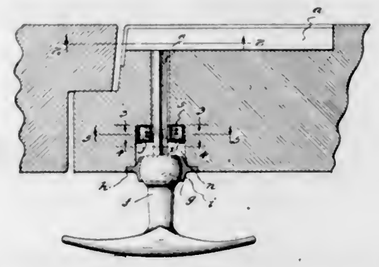
1. In a refrigerator having a door opening, a flexible metallic strip surrounding the door opening and lying closely against the inner side of the refrigerator wall and projecting outwardly beyond the facing of the door opening all the way around, and a door the margins of whose inner face press against said strip all the way around when the door is closed.

1,501,321. DECOLORIZING MEDIUM FOR OILS, FATS, AND OTHER LIQUIDS AND PROCESS OF MAKING SAME. WILHELM EBERLEIN, Ahrensburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed May 14, 1919. Serial No. 297,174. 7 Claims. (Cl. 252—3.)

1. The herein described process for the production of a decolorizing medium, which comprises extracting brown coal with an alkali, coating sodium chloride with said extract by mixing the same therewith and heating the coated sodium chloride to a glowing temperature in a non-oxidizing atmosphere.

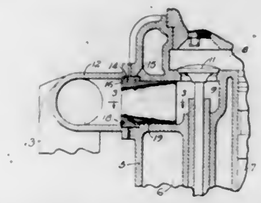
7. The herein described decolorizing medium which consists of sodium chloride upon the surfaces of which carbon is deposited, the same being produced by coating sodium chloride with an alkali extract of brown coal and heating the coated sodium chloride in a non-oxidizing atmosphere to a glowing temperature.

1,501,322. ANTIRATTLING DEVICE. FRANK M. EDGAR and ANDREW CHRISTIAN ANDERSEN, Detroit, Mich., assignors to Ternstedt Mfg. Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 29, 1923. Serial No. 628,404. 3 Claims. (Cl. 292—169.)



2. The combination of a door lock provided with a roll-back, an outside door handle provided with a spindle which can be detachably engaged with the roll-back, and an anti-rattling device threaded onto the spindle and comprising a pair of relatively rotatable members resisted by a spring resistance, whereby one of the members can be anchored to the door and the other member to the door handle spindle, and the door handle spindle be turned before it is engaged with the roll-back for the purpose of putting the roll-back and handle under yielding stress.

1,501,323. FUEL CONVERTER. WILLIAM A. EDWARDS, Chicago, Ill. Filed Jan. 16, 1922. Serial No. 529,692. 5 Claims. (Cl. 48—180.)



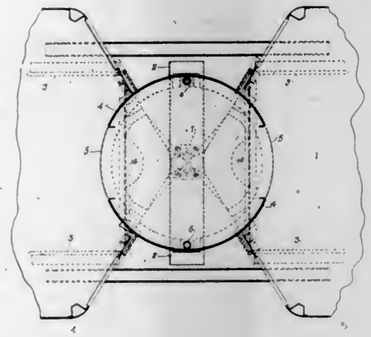
1. The combination with a fuel supply passage, of a tube disposed therein, the exterior of said tube being shaped to fit the walls of said passage and the bore of said tube being of frusto-conical shape, the smaller end thereof being opposed to the flow through said passage, said tube being provided with a duct leading from the passage at the exterior of the tube, to the interior of the tube near the smaller end thereof.

1,501,324. CONTAINER FOR HYPODERMIC NEEDLES. LOGAN EISELE, Nashville, Tenn. Filed Aug. 4, 1922. Serial No. 579,748. 2 Claims. (Cl. 206—43.)



1. In a container for hypodermic needles, a substantially cylindrical end portion open at one end, a tubular neck portion of less area in cross section than the cylindrical end portion, and an elongated tapering portion merging the cylindrical end portion and the neck portion one into the other so that the cylindrical end portion, the tapering portion and the neck portion are substantially axially aligned, said neck portion being of less area in cross section than the hub of a conventional hypodermic needle and of sufficient length to extend beyond the pointed end of a hypodermic needle which has been inserted in the container until the hub of the needle is in abutting relation to said tapering portion.

1,501,325. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 14, 1923. Serial No. 680,604. 7 Claims. (Cl. 105—4.)

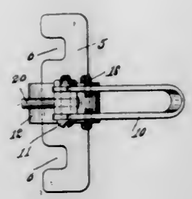


2. In a railway car, the combination with a truck bolster, and two adjacent cars, of a plurality of pivot trunnions and a corresponding plurality of sockets therefor, each car having one trunnion and one socket assigned to it, and a locking device adapted to restrain either trunnion from displacement from its socket.

1,501,326. VALVE LIFTER. HENRY G. FEIST, Plantsville, Conn. Filed June 28, 1922. Serial No. 571,389. 5 Claims. (Cl. 29—86.3.)

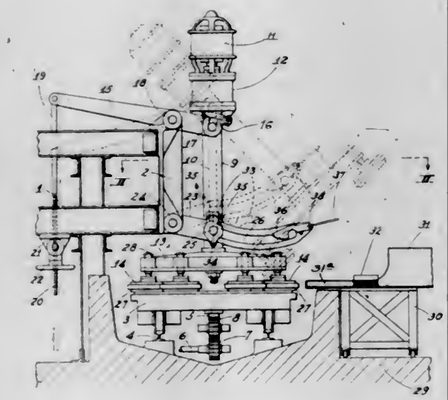
1. A device for compressing valve springs, comprising a post, a valve spring engaging element slidably mounted

on the post, means for raising said element on the post, and a support associated with the post adapted to engage



the spring engaging element for maintaining the same in an elevated position, to maintain the spring in a compressed position.

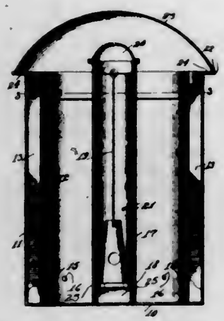
1,501,327. APPARATUS FOR SURFACING PLATE GLASS. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1923. Serial No. 643,490. 6 Claims. (Cl. 51—110.)



1. In combination in a glass surfacing machine, a framework, a surfacing unit mounted for vertical movement with respect to the framework and for lateral swinging movement about its upper end, and comprising an upright supporting member, a vertical shaft journaled therein, and a runner secured to the lower end of the shaft, driving means for the shaft, releasable means for holding the lower end of said unit against lateral movement, means for carrying the glass to be surfaced laterally beneath the runner, and means for holding the unit in inclined position after said last means are released and the lower end of the unit swung laterally.

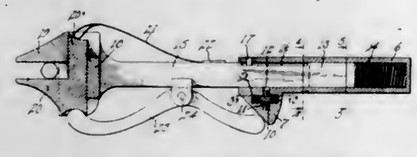
1,501,328. SEED-CORN DRIER. JOHN GREELEY, Lake Park, Iowa. Filed July 23, 1923. Serial No. 653,282. 3 Claims. (Cl. 34—21.)

1. A seed corn drier including a receptacle having spaced walls, a heat tube within the receptacle and having heat discharging openings, a heating means in the tube, and a closure for the receptacle formed to condense moisture arising from the corn and provided with



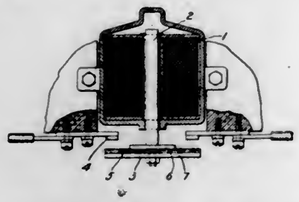
escape openings beyond the outer wall of the receptacle for the products of condensation.

1,501,329. QUICK-ACTING WRENCH. FRIEDRICH HANNS GREVE, La Salle, Ill. Filed Oct. 7, 1922. Serial No. 593,008. 3 Claims. (Cl. 81—128.)



1. In a quick acting wrench, a shank having a fixed jaw thereon, a movable jaw slidable with respect to the fixed jaw, a telescopic handle portion slidable on said shank and being provided with a beveled portion, a lever carried by the shank, one end of said lever being arranged to bear on the movable jaw, and the other end being arranged to be engaged by the beveled portion of the handle and means carried by said handle for locking the handle to the shank.

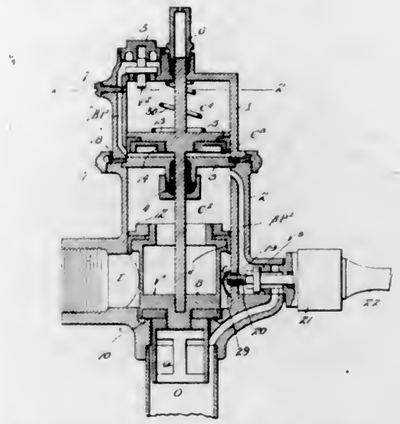
1,501,330. ELECTRICAL CONTACT ELEMENT. BENJAMIN J. GUDGE and PAUL G. GUEST, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919. Serial No. 296,428. 8 Claims. (Cl. 200—166.)



1. An electrical conducting element comprising a molded body formed partly of carbon and a binder and partly of insulating material, the materials being localized in definite portions of the body.

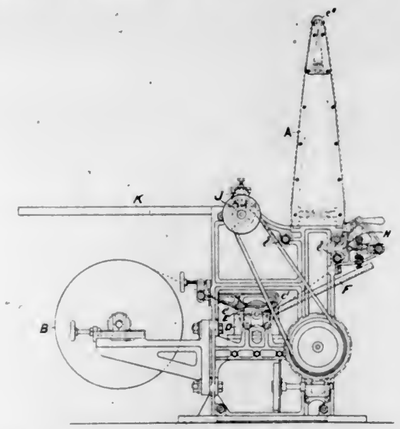
8. A contact for relays comprising a disk-shaped body, one face of which is formed of finely divided carbon and a hardened phenolic condensation product as a binder and the other face and hub portion of which are formed of a comminuted filler and a similar hardened binder, and metallic gauze molded between the materials.

1,501,331. FLUSHING DEVICE. DAVID E. GULICK, San Francisco, Calif. Filed Apr. 26, 1918. Serial No. 231,011. 6 Claims. (Cl. 137—93.)



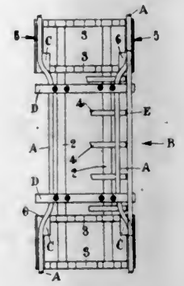
5. A flushing device comprising in combination a casing divided by a fixed partition into two main chambers, a main discharge outlet axially disposed as to the two main chambers, a main valve to control said discharge outlet, movable means in one of said main chambers dividing it into two sub-chambers, passage means connecting said sub-chambers, movable means dividing the other main chamber into two sub-chambers, passage means connecting said sub-chambers, passage means connecting the last mentioned main chamber with the discharge outlet and a valve to control said passage.

1,501,332. MACHINE FOR SENSITIZING PAPERS AND OTHER FABRICS. BENJAMIN JAMES HALL, Eastcote, England. Filed Mar. 3, 1922. Serial No. 540,823. 2 Claims. (Cl. 34—48.)



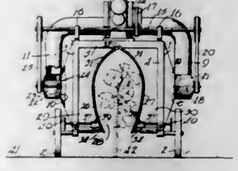
1. In a sensitizing machine, a coating device for applying fluid to the material, a vertical heating chamber having its front and rear sides arranged at an acute angle to each other, a guide roller arranged above the apex of the chamber, front and rear guide rollers arranged adjacent to the lower part of the chamber, and means for drawing the material to be sensitized through the coating device and over the said guide rollers so that it is dried by the heated front and rear sides of the said chamber.

1,501,333. ROPEWAY AND THE LIKE. WILLIAM LINDSAY HAMILTON, Glasgow, Scotland. Filed Apr. 15, 1924. Serial No. 706,708. 11 Claims. (Cl. 104—87.)



1. The combination with a ropeway having a cable track comprising cables suspended in tension between anchorages and auxiliary support by suspension of an auxiliary support capable of being applied to the cables of the track while suspended in tension, having means by which, in the process of application, each cable of the track is caused to be diverted downwardly from its natural curve of suspension at the position of auxiliary support, causing at that position a gap in the continuity of each cable of the track, and having rail portions, one for each gap to complete the continuity of the track.

1,501,334. COTTON PICKER. HERMAN HANSON, Newark, Ill. Filed Aug. 11, 1921. Serial No. 491,423. 3 Claims. (Cl. 56—12.)

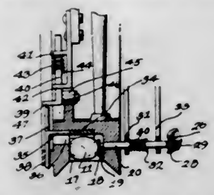


1. A device of the character described comprising a vehicle having a body portion formed with an opening in its lower side extending the entire length of the body, a pair of longitudinally extending partition members hingedly connected along their upper edges to the top wall of the upper side of the body portion, each of said partition members being formed with a plurality of openings therethrough, means for adjustably connecting each partition member adjacent to its lower edge to the adjacent side wall of the body portion, a conduit carried by the vehicle and arranged with its intake end opening through one of the side walls of one side of the body portion adjacent to one end of the wall, a second conduit carried by the vehicle and arranged with its intake end opening through the other side wall of the body portion and at the opposite end of the body from that of the first intake pipe, and a suction creating means arranged in each conduit adjacent to its intake end for drawing detachable adjacent substances, such as the cotton fiber of a standing cotton plant, through the openings in the partition members into the conduits.

1,501,335. POTATO PLANTER. WILLY HARTENSTEIN, Nuremberg, Germany, assignor to Josephine Aman, Rutherford, N. J. Filed Jan. 12, 1923. Serial No. 612,353. 9 Claims. (Cl. 221—127.)

1. A planter for potatoes or the like comprising a movable frame, a hopper thereon for receiving a supply of potatoes, a drum rotating upon the frame and mov-

ing through said hopper, said drum having pockets to singly receive potatoes, and means for binding the potatoes in said pockets, said binding means being releas-

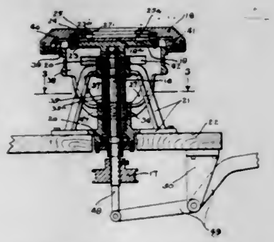


able whereby to deposit the potatoes in the ground, and said binding means acting in a direction substantially transverse to the plane of rotation of the drum.

1,501,336. TANNING. FRANZ HASSLER, Hamburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Sept. 24, 1917. Serial No. 192,925. 4 Claims. (Cl. 149—5.)

4. The process of tanning hides which consists in treating the hides with a slightly acid aqueous solution containing a water-soluble glue-precipitating heat-condensation product of naphthalene sulfonic acid, said heat-condensation product being free from methylene groups and free from hydroxyl groups other than those occurring in sulfonic acid residues, and said product being obtained by treating naphthalene with concentrated sulfuric acid at 130° C. for 8 hours, raising the temperature to 170°–180° C., and heating until the product is completely soluble in water.

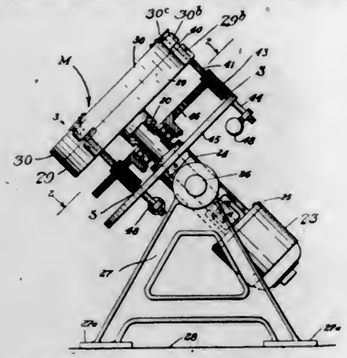
1,501,337. ROTARY CASTING. AUGUSTUS M. HENRY, Brooklyn, N. Y. Filed May 24, 1921. Serial No. 472,169. 14 Claims. (Cl. 22—65.)



1. The art of making articles of annular cross-section by rotary casting, which includes, providing a mould, rotating the mould, and depositing molten iron in the mould, while controlling the time of solidification of the iron, relative to the time required for the iron to be predeterminedly deposited around the mould, so that the iron solidifies in less time than iron similarly cast in a mould having molten iron-contacting surfaces of the usual foundry-sand type, to obtain a very fine, close grain, and yet so that the iron requires a long enough time to solidify, relative to iron similarly cast in a permanent mould having molten iron-contacting surfaces of metal, to prevent chilling.

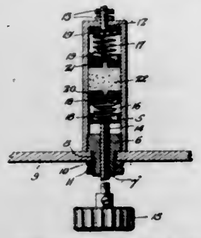
1,501,338. ROTARY CASTING. AUGUSTUS M. HENRY, Brooklyn, N. Y. Filed Oct. 9, 1923. Serial No. 667,524. 16 Claims. (Cl. 22—65.)

1. A method of forming ferrous-metal articles which involves providing a mold having a cavity shaped to correspond with the predetermined external shape of a desired article, rotating the mold and thereafter admitting molten metal thereto, and thus utilizing centrifugal force to form a casting in said cavity while simultaneously applying to the portions of molten metal impacted by centrifugal force against the shaped parts of said mold



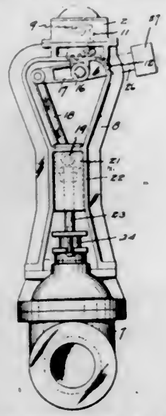
cavity, a material to case-harden the resulting casting as to portions thereof formed by such shaped parts.

1,501,339. RHEOSTAT. SOLOMON RITTER HIPPLE, Williamsport, Pa., assignor to DX Instrument Company, Harrisburg, Pa., a Corporation of Delaware. Filed Dec. 5, 1922. Serial No. 605,048. 8 Claims. (Cl. 219—50.)



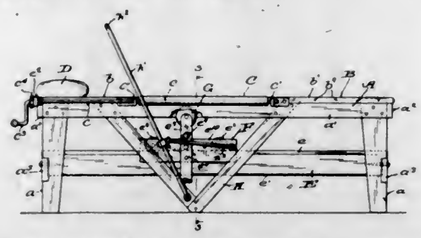
1. A rheostat comprising an insulating casing, differential springs in the opposite ends of said casing, a compressible resistance medium interposed between said springs, and adjusting means at one end of the casing for applying accurately regulated pressure to the springs and the interposed resistance medium.

1,501,340. CONTROL MECHANISM. HORACE L. HIRSCHLER, San Francisco, Calif. Filed May 24, 1920. Serial No. 383,760. 4 Claims. (Cl. 137—139.)



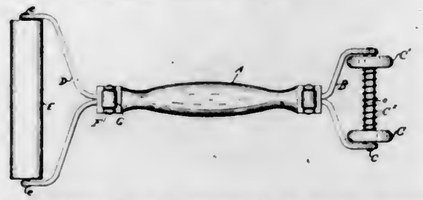
1. A valve control comprising a shaft, means for turning the shaft, and compound means each augmenting the other adapted to connect a valve to said shaft whereby the torque of said shaft is converted into an initially large but subsequently decreasing force applied to said valve in the opening movement thereof.

1,501,341. MASSAGE DEVICE. HALBERT L. HOARD, Fort Atkinson, Wis. Filed Mar. 22, 1919. Serial No. 284,427. 1 Claim. (Cl. 128—57.)



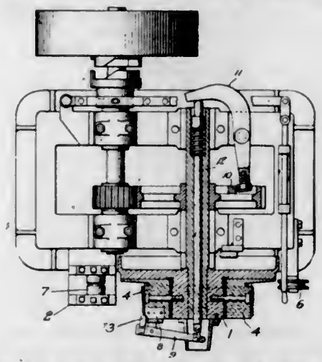
In a massage apparatus, a frame, a flexible support for the body of the patient while recumbent, a carriage longitudinally reciprocable in the frame, massage rollers mounted upon said carriage, and connections to the carriage whereby the latter may be operated to apply massage treatment to the body of the patient.

1,501,342. MASSAGE DEVICE. HALBERT L. HOARD, Fort Atkinson, Wis. Filed June 13, 1919. Serial No. 303,843. 2 Claims. (Cl. 178—57.)



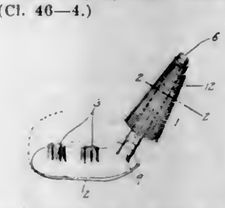
2. A massage device comprising a handle provided with a plurality of pivotally mounted disc rollers at one end thereof, a spring between the said rollers to separate them and permit their axial movement, and a pivotally mounted cylindrical roller at the other end thereof.

1,501,343. MACHINE FOR MAKING WIRE REELS. JOHN A. HOLMQUIST, Woodlawn, Pa. Filed Dec. 30, 1922. Serial No. 609,842. 3 Claims. (Cl. 140—92.2.)



1. In a wire-loop forming machine the combination of a columnar forming-block borne upon the end of a rotary shaft and provided with an interior longitudinal perforation, a beam pivotally mounted upon the free end of said forming-block and arranged within the path of advance of loops delivered from the free end of the forming block, a beam-swinging rod extending through and movable longitudinally within the perforation in the forming block and protruding beyond the free end of the forming block and there engaging the said beam, and a pair of shear blades borne, one by said block, the other by said beam.

1,501,344. PLAYING CLUB. EDWARD L. HUBBARD, Oakland, Calif., assignor of one-half to C. C. Payne, Oakland, Calif. Filed July 3, 1922. Serial No. 572,598. 5 Claims. (Cl. 46—4.)



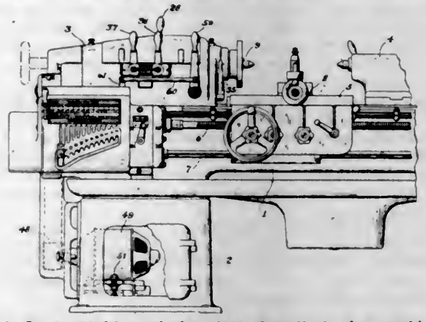
1. In a playing club having a body and hollow neck, a shaft adapted to extend into said neck, a sleeve surrounding said shaft, radial lugs carried by said sleeve and a wire mesh being interposed between the lugs and the neck.

1,501,345. WELL-BORING APPARATUS. SIDNEY H. HUSTON, Houston, Tex. Filed June 1, 1922. Serial No. 565,130. 3 Claims. (Cl. 255—1.)



1. In well boring apparatus the combination with a pipe of flexible members on the outside of the pipe one on each side extending from near the bottom of the pipe up to the ground surface, said members being weakened at or near their lower ends.

1,501,346. LATHE. WALTER E. INGHAM, Newington, and ALEXANDER G. WHITEHEAD, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 5, 1921. Serial No. 513,139. 35 Claims. (Cl. 82—2.)



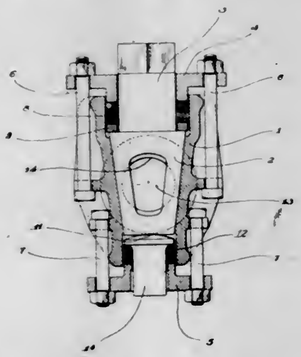
1. In a machine of the class described, the combination of a rotary spindle, a plurality of gears thereon, a shaft adjacent the spindle, gearing including certain of the spindle gears for operatively connecting the shaft

with the spindle, a plurality of back gears adapted to be engaged with other of the spindle gears, the said gearing and back gears being located substantially in the vertical plane of the spindle, and means operatively connected with the shaft for driving the same.

10. In a latue, the combination of a spindle, a driving gear loose thereon, a gear fixed to the spindle, the fixed gear having an internally toothed portion corresponding in contour to the driving teeth of the loose gear and adapted to be engaged and driven thereby, means for sliding the loose gear axially on the spindle into and out of driving engagement with the said toothed portion of the fixed gear, two back gears beneath the spindle, means for raising and lowering the back gears into and out of mesh with the loose and fixed gears, and means for driving the said loose gear.

35. In a machine of the class described, the combination of a bed, an oil reservoir formed therein, a headstock mounted thereon, a spindle rotatably mounted in the headstock, gearing operatively connected to the spindle and extending downwardly into the reservoir, the bed having an opening through the side thereof into the reservoir, a casing supported on the exterior of the bed about the said opening, and a driving unit within the casing operatively connected to the said gearing through the opening, the reservoir being adapted to catch the oil draining from the gearing and spindle and the oil in the reservoir being adapted to lubricate the gearing, spindle and driving unit.

1,501,347. VALVE. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,194. 3 Claims. (Cl. 25—103.)

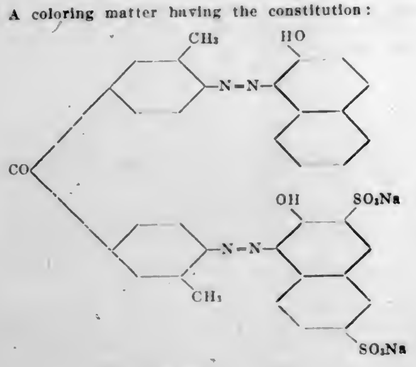


1. In combination in a plug cock, a casing open at both ends and having a tapering seat, a tapering plug provided with a stem projecting from the casing with a packing space between the casing and stem, packing in said space, a follower engaging the packing and applying pressure to seat the plug, a plunger comprising a head opposing the inner end of the valve and a stem projecting from the casing with a packing space between the stem and casing, packing in said space, a follower engaging the packing and applying pressure to said head and causing it to apply pressure to the inner end of the plug, and screw means for forcing the plunger inward.

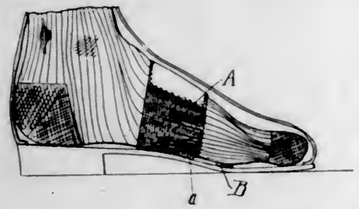
1,501,348. DISAZO COLORING MATTER. ASA WILLARD JOYCE, Newark, N. J. Filed June 7, 1923. Serial No. 644,055. 7 Claims. (Cl. 260—77.)

5. A new coloring matter obtained by combining one molecule of 4.4′ diamino 3.3′ dimethyl benzophenon with one molecule of beta-naphthol and one molecule of 2 naphthol 3.6 disulphonic acid, which coloring matter in the form of a dry powder is of a dark brownish red color, is soluble in water and in concentrated sulphuric acid, and dyes wool and silk from an acid bath bright scarlet shades fast to light, washing, milling and bleaching.

7. A coloring matter having the constitution:

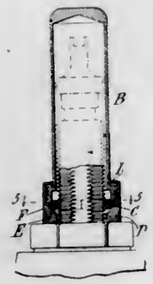


1,501,349. ARCH SUPPORT. GEORGE H. JUNG, Jr., Cincinnati, Ohio. Filed Jan. 7, 1921. Serial No. 435,727. 1 Claim. (Cl. 36—71.)



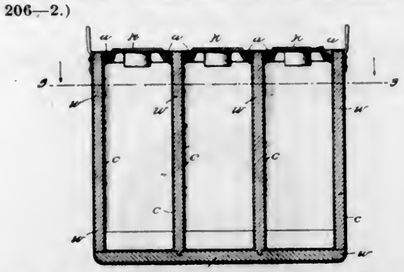
A transverse arch support comprising an elastic band constructed to embrace a foot, an elastic strip secured to the band in such manner as to form a pocket opening in a direction transverse to the band, both band and strip being elastic transversely of the foot as applied, and a pad engaged in the pocket.

1,501,350. DUST CAP. HENRY P. KRAFT, Ridgewood, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 20, 1919. Serial No. 325,097. 13 Claims. (Cl. 152—12.)



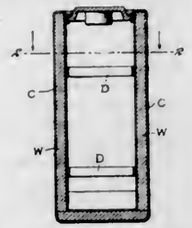
1. In a dust cap for tire valves or the like, the combination of a cap portion, and means for fastening it to a valve or the like comprising a member formed of non-compressible material loosely associated with the cap, and means for contracting said member to engage the valve by a rotative movement of the cap.

1,501,351. CONTAINING CELL FOR ELECTRIC BATTERIES. LAMAR LYNDON, New York, N. Y. Filed Nov. 1, 1919. Serial No. 335,060. 8 Claims. (Cl. 206—2.)



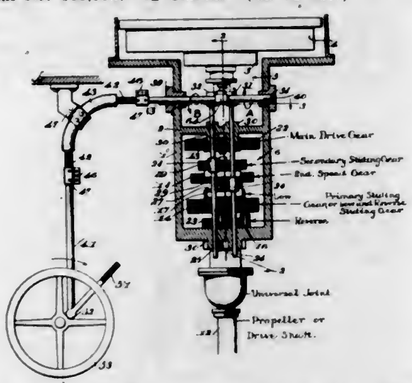
1. A battery container made of wood coated with an impervious acid-resisting substance, a cover adapted to co-operate with said container, and a gasket interposed between said cover and said container formed by a thickening of said impervious, acid-resisting substance.

1,501,352. CONTAINING CELL FOR ELECTRIC BATTERIES. LAMAR LYNDON, New York, N. Y. Filed Dec. 23, 1919. Serial No. 347,014. 5 Claims. (Cl. 204—29.)



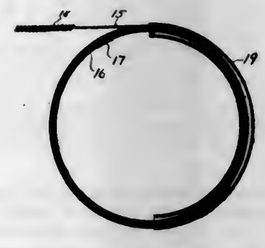
1. A battery container made of nonacid-resisting material and covered with a pyroxylin plastic, said pyroxylin plastic being thickened over certain predetermined areas.

1,501,353. GEAR CONTROLLER. JAMES CLARENCE MCDOWELL, Punta Rassa, Fla. Filed June 29, 1923. Serial No. 648,592. 12 Claims. (Cl. 74—39.)



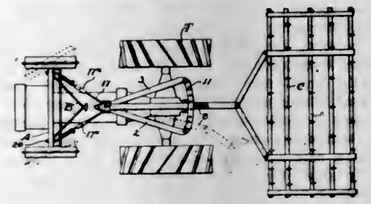
1. A gear controller comprising a selecting rod, bushings in which a portion of the rod has bearing to slide and turn in respect to a shifting rod, a selecting arm fixedly carried by said rod, a shoulder carried by the shifting rod with which said arm is adapted to engage, a guide through which another part of the selecting rod extends said guide having a longitudinal slot and a connected branch slot the ends of which terminate in recesses, a pin carried by the selecting rod working in said slots, and a shifting lever carried by the selecting rod being adapted to move the selecting rod axially so that the pin moves toward said branch slot then turn the rod so that the pin enters in either recess, said moving and turning of the shifting lever correspondingly sliding the arm toward said shoulder then rocking the arm to shift the shifting rod.

1,501,354. PIPE-CLEANING DEVICE. DANIEL G. MARKS, Los Angeles, Calif. Filed Oct. 21, 1922. Serial No. 595,956. 5 Claims. (Cl. 137—30.)



1. A device of the character described comprising a length of resilient wire having one end coiled upon itself and secured in coiled form, and means for rotatably receiving the coiled end.

1,501,355. VEHICLE HITCH. JOHN R. MILLER, Van Nuys, Calif. Filed Feb. 8, 1923. Serial No. 617,732. 6 Claims. (Cl. 280—33.12.)



1. A draft hitch for tractors, comprising a frame having arcuate transverse rear end members, means for attaching the said members to the usual draft lug of the tractor, elastic means at the forward end of the frame for connecting it to the tractor front axle, and a draft link pivotally connected to the front end of the frame and adapted for lateral adjustment and sliding action between the rear members of the frame.

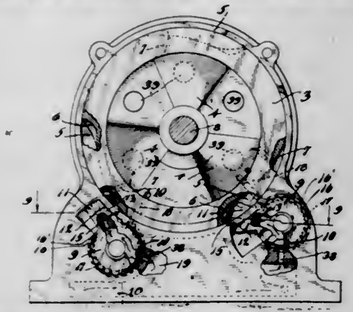
1,501,356. METHOD OF TREATING MOLTEN-METAL COATING BATHS AND BATH PRODUCED THEREBY. EDWIN R. MILLRING, Belleville, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Feb. 8, 1923. Serial No. 617,843. 7 Claims. (Cl. 148—7.)

1. The method of treating molten metal baths to incorporate phosphorus therein, which consists in adding to the bath, an alloy of phosphorus and lead.

1,501,357. ROTARY INTERNAL-COMBUSTION ENGINE. ROBERT ALEXANDER MOORE, New York, N. Y. Filed May 20, 1920. Serial No. 382,732. 11 Claims. (Cl. 123—15.)

1. In a rotary internal combustion engine, the combination with a casing, of a rotor mounted therein and formed with piston faces, a valve movable into and out of cooperative relation with the faces, the movement of the valve automatically controlling the admission of

the charge, and ignition means including a fixed contact element and a movable contact element, the latter being



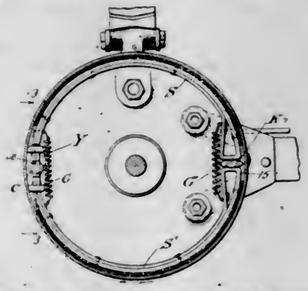
mounted upon and carried by the valve so as to be movable therewith and arranged to be brought into engagement with the fixed contact at the proper time.

1,501,358. METHOD OF MAKING RING MOUNTINGS. THOMAS MOUNTFORD, Newark, N. J., assignor to Blancard & Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed July 7, 1922. Serial No. 573,380. 9 Claims. (Cl. 29—160.6.)



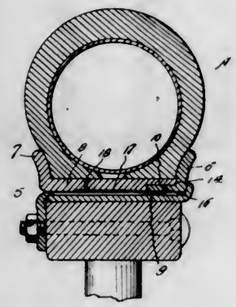
9. The method of producing a ring mounting, which includes, providing an integral metallic blank having a shank portion, transverse frame portions and portions extending longitudinally of said shank portion and beyond said transverse portions, bending said blank to shape said shank portion into a complete one-piece ring-shank, and to position said transverse frame portions to form a horizontal frame for supporting side pieces, and to position said extending portions to form vertical supports for side pieces, and attaching side pieces to said shaped blank by soldering them to said horizontal frame and to said vertical supports, the upper ends of said vertical supports being formed to constitute cramps adapted to cooperate with cramps on the upper edges of said mounted side pieces to support a jewel.

1,501,359. BRAKE SHOE. HENRY W. MUHLEISEN, Los Angeles, Calif., assignor, by direct and mesne assignments, to W. S. Rush & Co., Los Angeles, Calif., a Partnership consisting of W. S. Rush, E. S. Rush, and B. C. Graves. Filed Feb. 9, 1922. Serial No. 535,137. 9 Claims. (Cl. 188—78.)



1. In combination, a brake drum, brake shoes within the drum having pivoted ends reversely tapered and arranged in overlapped relation to each other, means associated with the overlapped ends for effecting expansion of said shoes, and means at the opposite ends of the shoes for forcing the same into engagement with the brake drum.

1,501,360. TIRE RIM. FRED T. MURRAY, Cameron, S. C. Filed Mar. 5, 1923. Serial No. 622,717. Renewed May 16, 1924. 1 Claim. (Cl. 301—35.)



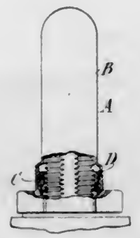
A tire rim including a main rim section having a tire receiving base, a radial flange at one edge of the base and a channeled portion at the other edge of the inner surface, the inner edge of the channeled portion being beveled, and a co-operating rim section having a radial flange, an annular recess formed therein and a flange extending laterally on the inner edge of the radial flange having a beveled edge, said lateral flange seating in and co-operating with the channel of the main rim section, said flange being formed on the inner surface with a plurality of slots and resilient members mounted on the main flange and radially movable for engagement in said slots for locking the rim sections together, whereby the lateral flange of the co-operating rim section will seat in the channel and the beveled faces will co-operate for preventing relative radial movement in assembled relation, the edge of the main section fitting in the recess in the co-operating section, and said resilient member being disengageable from said slot upon a relative circumferential movement between the rim sections.

1,501,361. DUST CAP FOR TIRE VALVES. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 24, 1919. Serial No. 340,389. 4 Claims. (Cl. 152—12.)



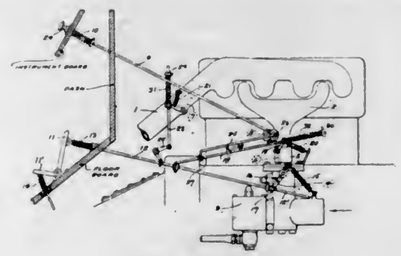
4. In a dust cap or the like, the combination of a cap portion and an internal sleeve threaded to said cap portion and having spring means intermediate its ends and means for positively moving said spring means radially inward upon relative axial movement between said cap portion and sleeve.

1,501,362. DUST CAP. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 19, 1919. Serial No. 345,995. 10 Claims. (Cl. 152—12.)



1. In a dust cap or the like, the combination of a cap portion and a foot portion arranged within the cap portion having a non-rotative engagement with the tire valve or the like and capable of relative axial movement, and a substantially non-compressible clamping device of circular form and normally of larger diameter than the tire valve, positioned between said cap portion and foot portion, and adapted to be moved into clamping position by engagement with means on said portions brought about by a relative axial movement of said portions.

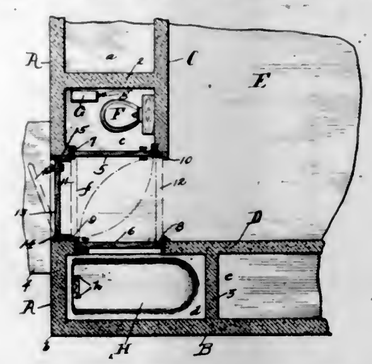
1,501,363. AUTOMOBILE ENGINE BRAKE. RICHARD G. NOBLE, Riverside, Calif. Filed Jan. 21, 1924. Serial No. 687,620. 7 Claims. (Cl. 188—99.)



1. In a gas engine having inhaust and exhaust pipes, and a fuel throttle valve for admitting vaporized fuel to the inhaust, an auxiliary valve in the inhaust pipe between the engine and the fuel throttle adapted for shutting off the inhaust, and a similar auxiliary valve in the exhaust pipe for closing the same, and a common control for all three valves whereby the auxiliary valves are closed after the throttle valve is in idling position.

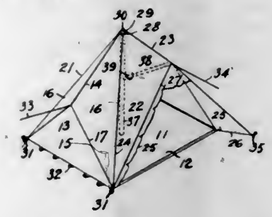
1,501,364. BUILDING CONSTRUCTION. EARLE L. OVINGTON, Santa Barbara, Calif. Filed July 18, 1921. Serial No. 485,452. 12 Claims. (Cl. 20—1.11.)

1. A building construction including a plurality of compartments adapted to intercommunicate, another compartment adapted to communicate with one of said first named compartments, closure frames for each of said compartments, closure members mounted on certain of said frames and each adapted to close two different door openings to establish communication between said first mentioned compartments to the exclusion of the second mentioned compartment, or to establish communication between one of said first named compartments and said second named compartment, one of said first named compartments constituting a normal passageway between



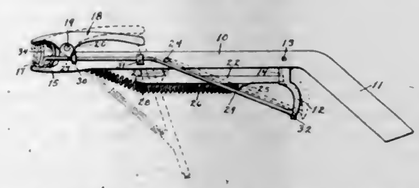
other of said first named compartments, and a door extending athwart the said passageway and adapted to close the same when in normal position.

1,501,365. TENT. HENRY ERNEST LLOYD OWEN and KENNETH HALLIDAY MACARTNEY, Port Arthur, Ontario, Canada. Filed May 5, 1922. Serial No. 558,795. 4 Claims. (Cl. 135—1.)



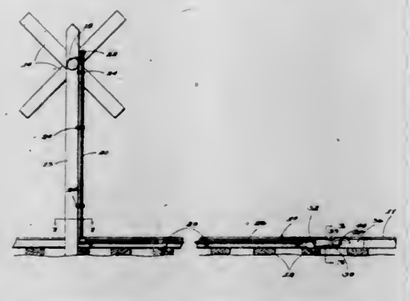
1. In a tent, a wall comprising a substantially vertical lower portion and a pair of sloping upper portions, meeting the lower portion and one another at three ridge lines converging to a common point within the periphery of the wall.

1,501,366. ANIMAL-RINGING TOOL. FRANK PETERSON, Pocahontas, Iowa. Filed May 14, 1923. Serial No. 638,891. 7 Claims. (Cl. 128—332.)



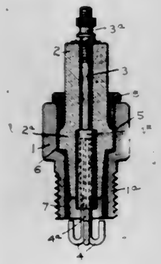
1. A ringing and marking tool, comprising a bar formed with a handle at one end and a rigid jaw member at the other end, a trigger pivoted on said bar adjacent said handle, a jaw lever pivoted on said bar adjacent and adapted to cooperate with the first jaw member, an operating lever pivoted between its ends on said bar, one end of said operating lever adapted for engagement and retention by said trigger, and a spring tending to oscillate said lever when released from said trigger, said operating lever adapted to engage said jaw lever forcibly under the influence of said spring to move said jaw lever toward the rigid jaw member.

1,501,367. RAILWAY CROSSING AND ALARM SIGNAL. WILLIAM W. PHILLIPS, Calgary, Alberta, Canada. Filed Jan. 30, 1923. Serial No. 615,793. 5 Claims. (Cl. 246—294.)



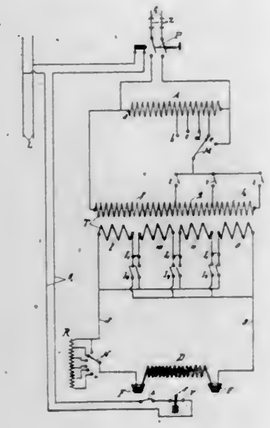
1. A railway signal structure including an audible signal; an operating cable for said audible signal; enclosing and protecting means for said operating cable; guiding means within said enclosing and protecting means; a wheel actuated member having a branch connected with said operating cable; said wheel actuated member having a second member with an arcuate head carried thereon and normally in the path of travel of wheels riding on an adjacent track rail; means to resiliently retain said wheel actuated member in normal position; said audible signal including a gong and a striking hammer; said operating cable being connected directly with said striking hammer; and means connected with said striking hammer to resiliently retain the latter in operative position.

1,501,368. SPARK PLUG. JAMES W. POWELL, Anaconda, Mont. Filed June 6, 1921. Serial No. 475,303. 2 Claims. (Cl. 123—169.)



1. The herein described spark plug comprising a metal body having a reduced externally threaded lower portion, and a socket in its upper end internally threaded; a sleeve of non-conducting material having its upper portion entered in said socket and projecting above the body and having a lower end portion reduced and projecting below the socket; an annular nut confining the sleeve in the socket; a copper lining pressed within the body below the socket; a rod extending axially through the sleeve and provided on its upper end with means for attaching a conductor thereto; and a plurality of copper electrodes having their shanks assembled parallel with and connected to the lower end of the rod by means of a copper sleeve and having their lower ends diverging radially outward and curved upwardly and terminating near the lower edge of the copper lining in the lower end of the body, said copper lining, copper sleeve, and copper electrodes preventing corrosion and carbonizing of the firing points and adjacent parts of said plug.

1,501,369. ELECTRIC TEMPERING. ETTORE RAMONDO, Turin, Italy. Filed Feb. 2, 1921. Serial No. 441,791. 7 Claims. (Cl. 148—10.)



1. In the art of tempering, transforming alternating current, re-transforming the transformed current and simultaneously proportioning the re-transformed current to give an amperage suited to different lengths, cross-sections and weights of the work through which the re-transformed current passes.

5. In electric tempering apparatus, an auto-transformer, means to take therefrom current of different values, a second transformer having a primary winding supplied with such current and a plurality of electrically inter-connectible secondary windings and means to supply current from said secondary windings.

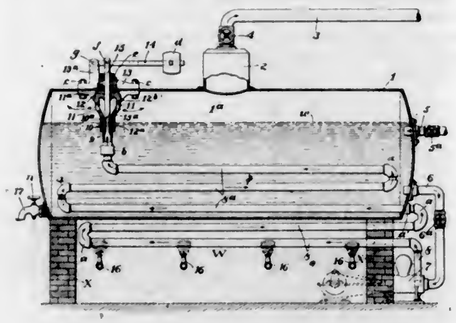
1,501,370. SMOKING PIPE. VERNIE K. RAMSEY, Santa Rosa, Calif. Filed Oct. 20, 1921. Serial No. 508,991. 2 Claims. (Cl. 131—12.)



2. A smoking pipe of the character described comprising a bowl having a reduced end so as to form a seat, a cap fitting on the seat having a plurality of notches along its edge and passages leading from the notches to the inside of the pipe for admitting air into the same, and a clip secured to the cap adapted to operatively engage the bowl for holding the cap to the same.

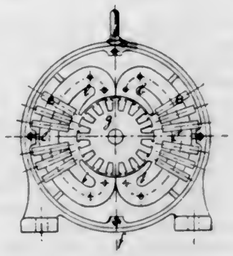
1,501,371. APPARATUS FOR CRACKING AND REFINING OIL. EUGENE A. REILLY and ROBERT M. MCLAIN, Fort Worth, Tex. Filed Oct. 19, 1921. Serial No. 508,825. 5 Claims. (Cl. 196—3.)

1. Apparatus for distilling and cracking oil, comprising a still, a conduit for liquid outside of the still, means for supplying oil under pressure to said conduit, means for heating said conduit, a conduit in the still connecting with the outside conduit, for heating a body of oil in the still, and a spraying device connecting with with the inner conduit in the upper part of the still,



whereby oil may be forced under pressure, heated and serve for heating a body of oil in the still and then sprayed in contact with such body of oil.

1,501,372. MAGNETIC CIRCUIT OF ELECTRICAL MOTORS AND DYNAMOS. HENRY ROBINSON, Hoboken, near Antwerp, Belgium. Filed Aug. 17, 1921. Serial No. 493,080. 3 Claims. (Cl. 171—209.)



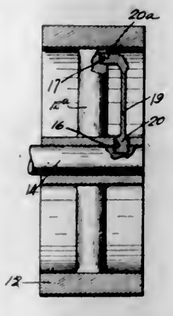
1. In dynamos and electric motors, field magnets each composed of a plurality of superposed sheet-iron stampings and having an arc-shaped yoke portion formed at the ends with integral pole-halves themselves provided with integral pole-tips in combination with a plurality of field-coils slipped over said pole tips onto said yoke-portion; and a circular housing having the field-magnets mounted therein; substantially as described.

1,501,373. PAVEMENT AND PROCESS OF CONSTRUCTING THE SAME. FRANK O. RONK, Detroit, Mich. Filed Dec. 1, 1921. Serial No. 519,055. 9 Claims. (Cl. 94—6.)



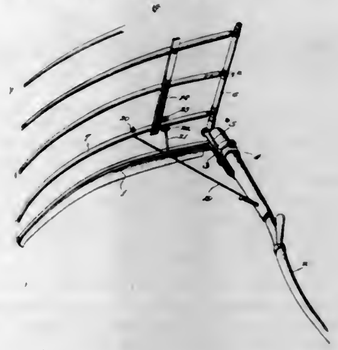
1. A pavement formed of two or more layers containing mineral and bituminous material and secured together by a bituminous elastic cement, the uppermost layer forming the wearing surface and being more rigid than the layer beneath it, and the lower layer being relatively resilient to cushion shocks received by the uppermost layer.

1,501,374. SPRING LOCKING DEVICE. SAMUEL M. SAWYER, Los Angeles, Calif., assignor of one-fourth to Claude C. Luce, Los Angeles, Calif. Filed May 19, 1921. Serial No. 470,855. 1 Claim. (Cl. 74—8.)



The combination with relatively movable members, of locking means for the same including a spring having a threaded connection at one end with one of said members and received at its other end in a recess in the second member.

1,501,375. GRAIN CRADLE. OLIVER O. SCHWOB, Moundsville, W. Va. Filed Oct. 26, 1922. Serial No. 597,052. 4 Claims. (Cl. 56—324.)

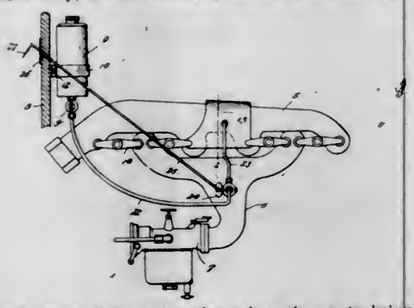


4. In a grain cradle, the combination of a post, a blade, a snath, means for connecting the blade and the post to the snath, a plurality of parallel fingers, detachable couplings connecting the fingers to the post, a connecting bar extending across the fingers parallel with the post and detachably secured to each finger and held against relative movement thereon, a brace secured to the snath at one end and secured at its opposite end to the innermost finger in advance of the said connecting bar, and a bracing coupling adjustably secured at one end in the said finger in rear of the connecting bar and having its opposite end engaged through the blade and provided with oppositely extending lugs engaging against the opposite surfaces of the blade.

1,501,376. PRIMER AND AIR INTAKE FOR GAS ENGINES. LARKIN J. SKINNER, Fletcher, Okla. Filed Mar. 6, 1923. Serial No. 623,130. 1 Claim. (Cl. 123—180.)

An explosive engine starter comprising a tank independent of the tank which is normally employed for supplying liquid fuid to the engine, a valve body applied to the intake manifold of the engine at a point between the point of connection of the said intake manifold with

the carburetor and the branches of the said manifold, a pipe for conducting preheated air from the exterior of the exhaust manifold of the engine at a point between the ends thereof and connected with valve bodies, a pipe connected with the first mentioned tank and with the said valve body, a valve turnably mounted in the valve



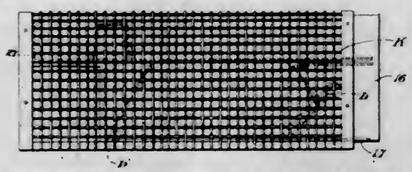
body and means for turning the valve, the parts being so arranged that the heated air and fuel from the first mentioned tank may be admitted in a mixed condition into the intake manifold and in advance of the mixture which is led into the said manifold from the said carburetor.

1,501,377. VEHICLE SIGNAL. WILSON D. STOUT and FRANK F. STOUT, Los Angeles, Calif. Filed June 21, 1921. Serial No. 479,418. 8 Claims. (Cl. 116—50.)



1. A device of the character disclosed, comprising an elongated casing, a tubular member slidably mounted within the casing, a signal member mounted in connection with the tubular member and adapted to be projected from and retracted within the casing, means for sliding the tubular member within the casing, and means for throwing the signal member into a plurality of positions when in projection from the casing to display corresponding signals.

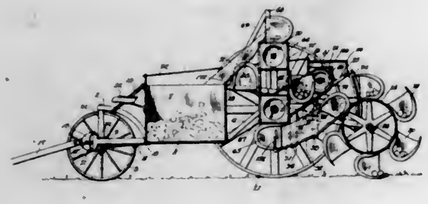
1,501,378. ANIMAL TRAP. SAMUEL TALISMAN, San Bernardino, Calif. Filed Dec. 29, 1921. Serial No. 525,555. 7 Claims. (Cl. 43—69.)



1. An animal trap comprising a cage, and a trap section removably fitted in the cage and including a tilting platform normally urged to a horizontal position, a bait tray swingingly supported in the same plane as the platform and at one end thereof, and doors beneath the platform mounted to swing in one direction only one of said doors allowing the entrance of an animal to the trap section beneath the platform, and the other door allowing the entrance of an animal to the cage from the trap section.

1,501,379. STONE GATHERER. LELAND D. TETER, Livingstonville, N. Y. Filed Nov. 25, 1922. Serial No. 603,200. 5 Claims. (Cl. 55—17.)

1. In a stone-gatherer, the combination of a portable frame including a rear axle, a rotatable gathering instrumentality supported from the frame in rear of the axle, gearing connecting said instrumentality with the axle, a receptacle on the frame in advance of the axle, a chute having its rear end adjacent the top of the gathering instrumentality and its forward end beneath the axle, an elevator having its lower end mounted upon and driven directly by the axle, and a chute extending downwardly and forwardly between the top of the elevator and the receptacle.



2. In a stone-gatherer, the combination of a portable frame including a rear axle, a rotatable gathering instrumentality supported in rear of the axle and geared to the same, a chute rigidly supported on the frame between said instrumentality and the axle and extending under the axle, an elevator mounted on and rising from the axle and driven directly thereby, the elevator being constructed to pass through the lower end of the chute and take material therefrom, and a receptacle on the frame in advance of the elevator and receiving material therefrom.

3. In a stone-gatherer, the combination of a portable frame including a rear axle, a rotatable gathering instrumentality supported in rear of and driven from the axle, a chute secured rigidly upon the frame in rear of the axle and extending from a point adjacent the top of the gathering instrumentality to a point beneath the axle, upstanding stops at the lower end of the chute, a receptacle on the frame in advance of the axle, and an elevator mounted on and driven directly by the axle and constructed to pass through the lower end of the chute and between the stops thereat to take material from the chute and deliver it to the receptacle.

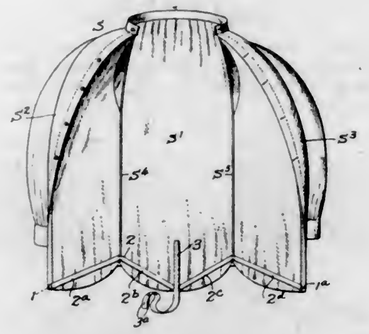
4. In a stone-gatherer, the combination of a portable frame, a rotatable gathering instrumentality mounted thereon, a plurality of hangers secured upon the frame, a plurality of parallel bars secured rigidly upon and connected by the hangers and receiving material from the gathering instrumentality, and an elevator disposed over the lower ends of the parallel bars and including series of parallel free rigid fingers arranged to pass between the lower ends of the parallel bars and take up material deposited thereon.

5. In a stone-gatherer, the combination of a portable frame, a rotatable gathering instrumentality mounted upon the frame and comprising a cylindrical drum and series of rigid curved fingers secured rigidly upon the drum, the fingers in each series being parallel and free of each other throughout their extent, a chute supported rigidly upon the frame to receive material from the gathering instrumentality and consisting of a series of inclined parallel bars extending into the path of the said fingers to permit the fingers to pass between the bars, and an elevator disposed over the lower ends of the said bars and including series of similar fingers arranged to pass between the lower ends of the parallel bars and take up material deposited thereon.

1,501,380. SHIRT. CARL TUTELMAN, Philadelphia, Pa. Filed Jan. 5, 1924. Serial No. 684,633. 6 Claims. (Cl. 2—77.)

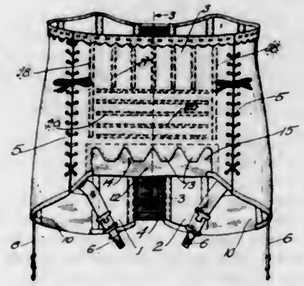
1. In combination with a coat type shirt, a tape attached to the lower outer corners and at intervals along the lower edge of said shirt; said tape being of less length

than the length of the lower edge of said shirt; means for fastening the lower corners of said shirt together;



and a crotch strap extending from the center of the back of said shirt and adapted to be attached to said fastening means at the front of the shirt.

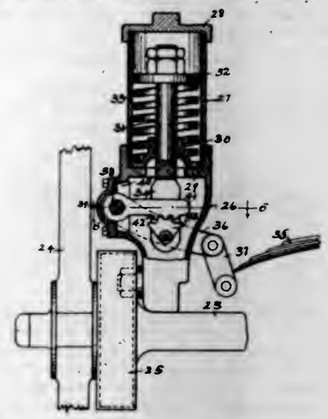
1,501,381. CORSET. ELIZABETH VAN DUSEN, Los Angeles, Calif. Filed Sept. 23, 1920. Serial No. 412,107. 4 Claims. (Cl. 2—73.)



1. A corset comprising a pair of back sections and a front section, the lower portion of the latter being cut away to form a transversely disposed opening and there being inverted V-shaped openings extending upwardly into said front portion from said transversely disposed opening, a section of elastic material positioned in said transversely disposed opening and the inverted V-shaped etxensions thereof, and a series of horizontally disposed reinforcing members arranged parallel with each other in the front section of the corset immediately above said section of elastic material.

1,501,382. SHOCK ABSORBER. WILLIAM H. WHISLER, Houston, Tex. Filed Nov. 28, 1922. Serial No. 603,828. 13 Claims. (Cl. 267—17.)

8. In a shock absorber, a spring and a support therefor, a tension device for the spring comprising a member engaging the free end of the spring and an operating rod connected to said spring-engaging member and having an opening therein, a rack member pivotally mounted on the operating rod, and a pivoted lever having a rack face



projecting within the opening in the rod and meshing with the pivoted rack member.

1,501,383. MOTOR FUEL. DALY O. WHITE, Portland, Me. Filed Sept. 28, 1923. Serial No. 665,455. 5 Claims. (Cl. 44—9.)

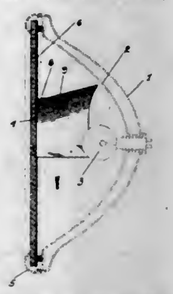
1. A fuel composed of alcohol and a relatively small addition of NH_4Cl.

1,501,384. COMBINATION BAIT CUP AND TRIGGER. JOSEPH FRANKLIN WILLS, North Little Rock, Ark. Filed May 14, 1923. Serial No. 638,779. 1 Claim. (Cl. 43—81.)



A combined bait cup and trigger for mouse and rat traps comprising a strip of sheet metal bent downwardly and then upwardly at its inner end for pivotal connection with the bottom of the trap, and bent downwardly near its outer end and then upwardly at its extreme outer end to form the opposite ends of a rectangular bait cup, said strip having a pair of opposed integral wings on its side edges between said ends of the cup, said wings being bent upwardly to form the sides of the cup, thereby providing a deep, tight cup the entire top of which is open for the reception and holding of a comparatively large quantity of finely ground bait.

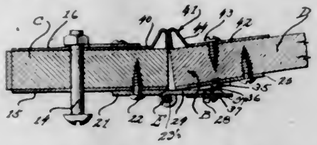
1,501,385. NONGLARE LENS. BERTRAM S. WRIGHT, Sacramento, Calif. Filed Mar. 12, 1923. Serial No. 624,335. 4 Claims. (Cl. 240—48.4.)



1. A lens for headlights including an opaque plate mounted in front of and above the horizontal center line of the lamp of the headlight, said plate having a trans-

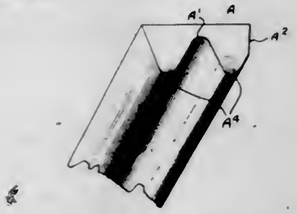
versely central opening extending upwardly from the lower edge thereof, and a hood around said opening extending inwardly of the plate to and about the lamp, said hood being open along the bottom.

1,501,386. GRASS DIVIDER FOR MOWERS. CORAL H. WRIGHT, Joseph, Idaho. Filed July 25, 1922. Serial No. 577,372. 6 Claims. (Cl. 56—314.)



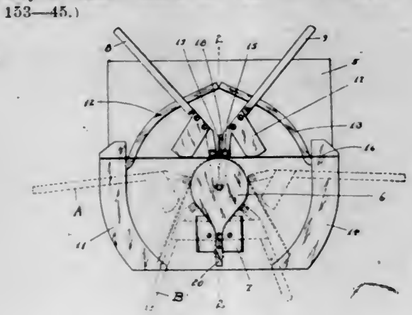
1. The combination with the cutter bar of a mowing machine, of a grass divider therefor including a minor section and a major section, means rigidly connecting the minor section with the outer end of the cutter bar, means hingedly connecting the minor and major sections together for allowing free swinging movement of the major section toward the cutter bar, and means for permitting detachment of the major section from the minor section by a longitudinal sliding movement when undue stress is placed on the major section at the inner face thereof.

1,501,387. PIG. HENRY C. ZENKE, Richmond Hill, N. Y. Filed Oct. 11, 1922. Serial No. 593,737. 3 Claims. (Cl. 22—218.)



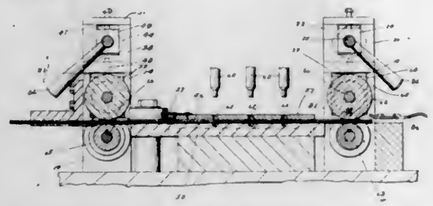
3. A pig of type-metal having ribs on which the pig may slide in a feeder, and one or more intermediate grooves between the ribs, forming an extended heat-absorbing surface.

1,501,388. DEVICE FOR FORMING METALLIC OBJECTS. WILLIAM J. BAKER, Newport, Ky. Filed May 5, 1922. Serial No. 558,775. 2 Claims. (Cl. 153—45.)



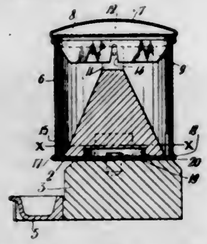
1. In a device of the class described, the combination of a base, a pattern mounted on the base, a track extending about the pattern, levers pivotally mounted between the base and the pattern, rollers mounted on the levers and spaced from the pattern at a distance substantially equal to the thickness of the material to be formed about the pattern, the levers being adapted to be moved about their pivotal mountings whereby to cause the rollers to be moved about the pattern, the track being adapted to support the levers and the material to be formed.

1,501,389. MACHINE FOR FORMING METALLIC STRIPS. WILLIAM J. BAKER, Newport, Ky. Filed May 5, 1922. Serial No. 558,776. 5 Claims. (Cl. 153—2.)



1. In a device of the class described the combination of a mechanism adapted to turn the edges of a strip upon itself, a mechanism adapted to clamp the edges of the strip upon a filler carried by the strip, means to feed the strip and filler thru the first two mentioned mechanisms, and means to perforate the filler and strip.

1,501,390. CONTAINER FOR HOLDING AND DELIVERING POWDER. FRANK ARTHUR BOLTON, London, England. Filed Apr. 14, 1923. Serial No. 632,160. 9 Claims. (Cl. 221—65.)



5. In a container for holding and delivering powder in small quantities, a fixed cylindrical casing having a delivery aperture therein, an inner container rotatably mounted within the fixed casing and having at least one opening at the bottom of said inner container adapted to be traversed across the delivery aperture when the inner container is rotated, an upright cone within the inner container having its base circumference in proximity to the base of said container in order to direct the powder through the delivery aperture when said aperture is traversed by an opening in said inner container, a removable lid to the inner container, a fixed blade extending across the inner container and forming a driving engagement with the lid, a slot in the cone through which this blade passes so as to cause the cone to rotate with the container when the latter is turned by the lid.

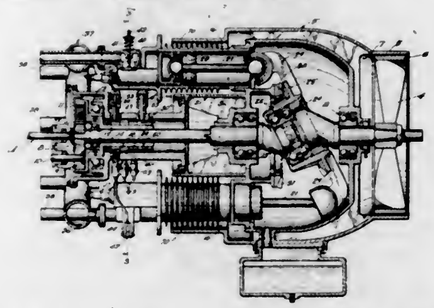
1,501,391. PAPER SHADE ROLLER AND METHOD OF FORMING. HARRY CAMPBELL BRENEMAN, Cincinnati, Ohio, assignor to The Capitol Shade Roller Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 3, 1921. Serial No. 466,498. 1 Claim. (Cl. 93—81.)

The herein described process of forming a window shade roller which consists in rolling upon a mandrel a strip of paper with the grain running parallel to the axis, inserting a uniform marginal portion of the strip radially into a mandrel roll, adhesively coating the paper strip except the insert portion and sufficient to non-adhesively envelop the mandrel, drying the rolls



while supported in horizontal rows vertically spaced from one another, and finally surfacing the dried roll with a water-resisting material.

1,501,392. VALVE GEAR FOR INTERNAL-COMBUSTION ENGINES. EVERETT R. BURTNETT and TITUS E. BERRY, Los Angeles, Calif.; said Burtnett assignor to said Berry. Filed May 11, 1920. Serial No. 380,547. 7 Claims. (Cl. 123—43.)

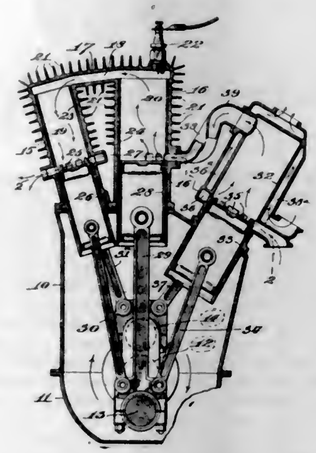


1. An internal combustion engine comprising a drive shaft, cylinders around said shaft, a sleeve on said shaft, an internal gear fixed to said sleeve and surrounding said drive shaft, a pinion on said drive shaft, an idler gear between said pinion and said internal gear, said gearing being arranged to reversely rotate said sleeve with respect to the drive shaft and at a speed less than that of the drive shaft, members on said sleeve, and valves for the respective cylinders controlled by said members.

4. An internal combustion engine including a drive shaft, cylinders around said drive shaft and parallel thereto, a combustible mixture intake valve for the respective cylinders, a second valve for the respective cylinders communicating with the atmosphere, said cylinders and their valves being arranged in a plurality of sets, controlling means for the respective sets of valves forming a six stroke cycle of operation for the engine, said controlling means for each set including a cam on the drive shaft for successively opening the intake valve of the respective cylinders to form the intake stroke of the cycle of operation of the engine, and a second cam on said drive shaft controlling the second mentioned valve for the respective cylinders, said cam being arranged to successively open said second valves of the respective engine cylinders during the fourth, fifth and sixth strokes of the cycle of operation of the engine to provide an exhaust stroke for the products of combustion, an air intake stroke and an air exhaust stroke.

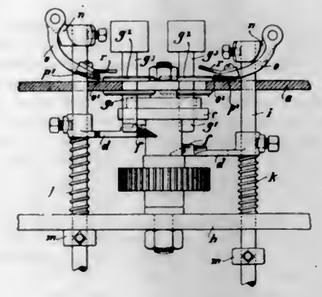
1,501,393. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed May 19, 1923. Serial No. 640,167. 4 Claims. (Cl. 123—53.)

3. An internal combustion engine having six cylinders arranged in two radial rows of three cylinders each, the first and second cylinders in each row in the direction of crank rotation being joined at their head ends by a compression clearance common to the chambers in both of said cylinders, there being ports formed in the walls of all of the cylinders, the ports in the first cylinder in each row in the direction of crank rotation being adapted to function for the exhaust of products of combustion from the first and second cylinders in the direction of crank rotation in the respective rows,



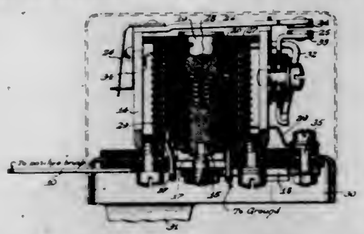
the ports in the second cylinder of each row functioning for the admission of gaseous fuel to the first two cylinders in the direction of crank rotation in the respective rows, and the third or last cylinder in each row functioning for the precompression and pumping of gaseous fuel for the induction function into the second cylinder of the other or opposite radial row of cylinders.

1,501,394. LACE-BRAIDING MACHINE. HERMANN BUSCHER, Langerfeld, near Barmen, Germany, assignor to Max Henkels, New York, N. Y. Filed Jan. 2, 1923. Serial No. 610,472. 3 Claims. (Cl. 96—11.)



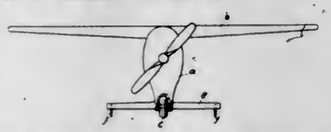
1. A lace-braiding machine comprising: a bobbin-track and bobbin-carriers guided therein, said bobbin-track having enlargements for temporarily arresting bobbin-carriers, constantly rotating drivers for said bobbin-carriers, a pattern-gear controlled rod movable up and down, a guide-member mounted on said rod for guiding a bobbin-carrier into an enlargement of said bobbin-track and out of the path of said drivers, a pawl-like member linked to the upper end of said rod for restoring an arrested bobbin-carrier to the path of the said drivers, a substantially triangular plate on the free end of said pawl-like member for guiding a non-arrested bobbin-carrier past the enlargement of said bobbin-track.

1,501,395. CURRENT REGULATOR. KENNETH CRITTENDEN, Highland Park, Mich. Filed Jan. 16, 1922. Serial No. 529,515. 3 Claims. (Cl. 171—313.)



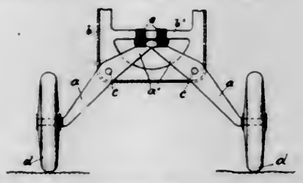
1. A device of the character described comprising a U-shaped frame having an opening in the horizontal member thereof, a fixed core mounted upon said frame with one end secured within said opening and extending therethrough, a movable core within the fixed core and extending through the opening in the frame, a low resistance series coil wound upon the fixed core for connection in a battery circuit, an armature on the frame and extending across an end of the fixed core and connected in a battery circuit to open and close the same, a shunt coil wound upon the fixed core with one end electrically connected to the core and its opposite end grounded, variable resistance means for connection within a field circuit, and comprising a fixed contact member carried by the frame, and a movable contact member carried by the movable core, and a high resistance coil connected in the field circuit in parallel with said variable resistance means.

1,501,396. CARRIAGE FOR FLYING MACHINES. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Apr. 2, 1923. Serial No. 629,412. 3 Claims. (Cl. 244—2.)



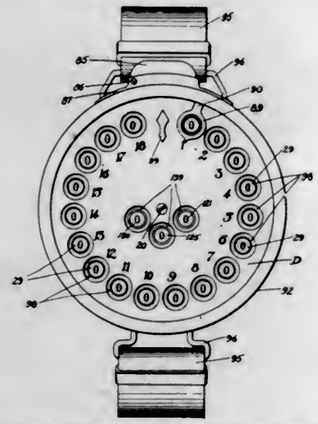
2. Flying machine comprising in combination, a hull, a main bearing plane substantially flush with the upper surface of said hull, a wheel mount forming part of and extending downwards from the bottom portion of said hull, a wheel supported in said wheel mount in the longitudinal axis of said hull, a stump wing or auxiliary bearing plane extending on either side of said wheel mount and supporting means at the outer end of each stump wing.

1,501,397. AIRCRAFT CARRIAGE. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor to the Firm: Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Apr. 2, 1923. Serial No. 629,413. 5 Claims. (Cl. 244—2.)



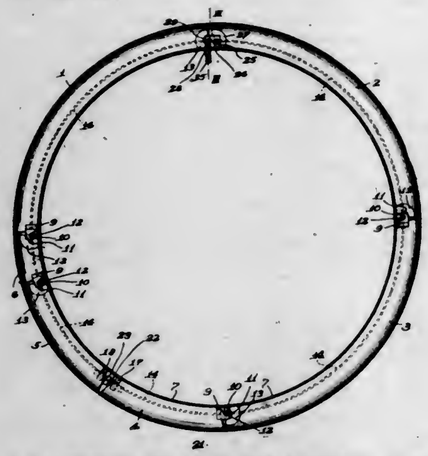
3. Aircraft carriage comprising in combination, a hull, a pair of upwardly converging double-armed levers pivoted to said hull for rocking motion in a plane transversely to the longitudinal axis of said hull, a wheel at the lower end of each lever, the upper ends being inter-crossed and shock absorbing means connected with the upper ends of said levers and adapted to counteract the spreading outwards of said wheels.

1,501,398. SCORE-REGISTERING DEVICE FOR GOLF AND THE LIKE. ALFRED L. EACRETT, Hollywood, Calif., assignor of one-third to James A. Armstrong and one-third to Howard M. O'Malley, both of Los Angeles, Calif. Filed Dec. 22, 1922. Serial No. 608,502. 8 Claims. (Cl. 235—113).



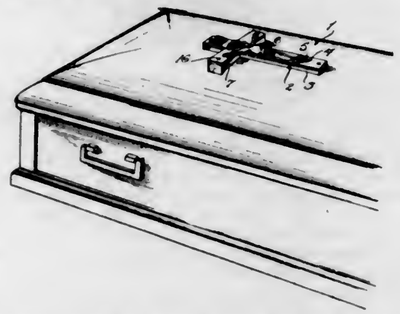
1. A registering device of the character described, comprising a plurality of registering means including dials and ratchet wheels arranged in overlapped and circular formation, a master ratchet wheel having peripheral teeth extending beyond the circle defined by the ratchet wheels, a master pawl for actuating the ratchet wheels and movable circumferentially of the registering means to operatively engage any one of said ratchet wheels, and means engageable with the teeth of the master ratchet wheel for actuating the latter to cause operation of the master pawl.

1,501,399. EMERGENCY TIRE. JEROME W. HANNAN, Wayne, and CLARENCE A. NOTMAN, Detroit, Mich. Filed Aug. 31, 1921. Serial No. 497,106. 2 Claims. (Cl. 152—23.)



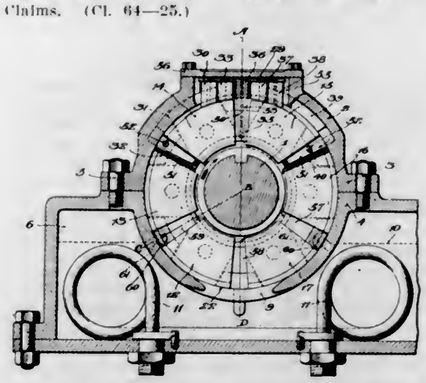
1. An emergency tire comprising a plurality of members adapted to be connected in link formation and anchored about the rim of a wheel, some of said members being of equal length, other of said members being approximately of equal length and of less length than the first mentioned members, and still another member of less length than any of the aforementioned members adapted to be removed to decrease the circumference of the tire, and means connecting the second mentioned members so that the circumference of the tire may be increased or decreased with or independently of the last mentioned member.

1,501,400. BASE FOR CASKET EMBLEMS. JULIUS A. HEINZ, Pesotum, Ill. Filed Nov. 22, 1922. Serial No. 602,668. 1 Claim. (Cl. 40—125.)



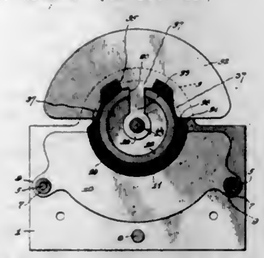
A support for a casket emblem having an outline corresponding to the outline of the emblem to be supported and consisting of intersecting members having flat tops and having dependent elements at their sides and ends to rest directly on the top of a casket, the bottom surfaces of those depending elements which extend longitudinally of the support being rectilinear and the bottom surfaces of those elements which extend transversely of the support being concave to rest upon the arched top of the casket in contact therewith through their entire length, the support being further provided with openings to receive fastening elements whereby to secure an emblem to the support and the support to the top of the casket.

1,501,401. BEARING. HARRY A. S. HOWARTH, Pittsburgh, Pa., assignor to Albert Kingsbury, Philadelphia, Pa. Filed Nov. 5, 1920. Serial No. 421,967. 56 Claims. (Cl. 64—25.)



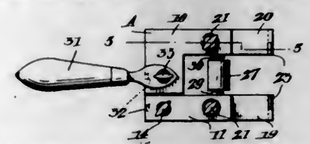
1. In a bearing, a rotatable thrust collar having an oil-carrying surface, a plurality of bearing segments cooperating with a face of said collar, and relatively stationary means for collecting oil from said oil-carrying surface and directing it simultaneously into operative relation with a plurality of segments cooperating with the same face of the thrust collar.

1,501,402. VARIABLE CONDENSER. GEORGE JACOBS, Detroit, Mich. Filed Sept. 22, 1922. Serial No. 589,883. 7 Claims. (Cl. 250—41.)



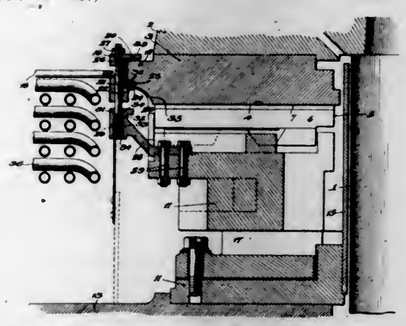
2. A variable condenser comprising a rotary shell having a slot, an insulator on said shell, rotor members having edges thereof extending into said insulator and portions thereof extending into the slot of said shell, means axially of said shell and extending through portions of said rotor members for retaining said rotor members thereon, and stator members having edges thereof extending into said insulator.

1,501,403. BRICKLAYER'S TOOL. WALTER JOHN KIMBER, Ottawa, Ontario, Canada. Filed Oct. 9, 1922. Serial No. 593,355. 5 Claims. (Cl. 72—138.)



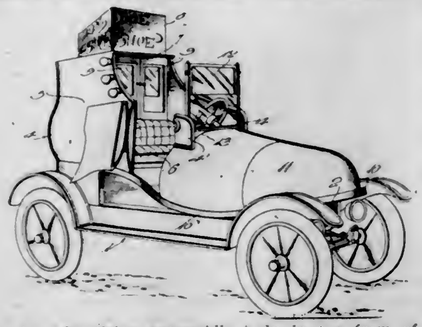
1. A jointing and raking tool for bricklayers comprising a body portion provided with a handle and having a slot therein adjacent to said handle, a slot in the outer end of said body portion adapted to slidably engage with interchangeable blades formed with raking or jointing means, thumb screw means for fixedly securing the blades in said slot, similar means for holding the tool handle in position, and interchangeable roller means beneath said body portion.

1,501,404. AIR-SEALING MEANS. ALBERT KINGSBURY, Greenwich, Conn., and HARRY A. S. HOWARTH, Philadelphia, Pa.; said Howarth assignor to said Kingsbury. Filed Feb. 8, 1922. Serial No. 534,970. 35 Claims. (Cl. 64—25.)



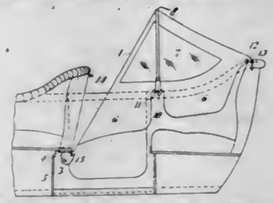
1. In a bearing, in combination with relatively rotatable bearing members and an oil well in which the bearing surfaces of said members are disposed, means cooperating with the periphery of the rotatable bearing member to maintain a radially-narrow layer of oil in contact with the periphery of said member substantially throughout its axial width and prevent churning together of the air and oil.

1,501,405. ADVERTISING AUTOMOBILE BODY. MENDEL KIPPERMAN, Davenport, Iowa. Filed July 11, 1923. Serial No. 650,944. 10 Claims. (Cl. 296—21.)



1. An advertising automobile body in the form of a shoe, with the tip of the shoe forming a motor hood and removable for gaining access to the automobile motor.

1,501,406. WINDSCREEN FOR MOTOR VEHICLES. WILLIAM LAW, Manchester, England. Filed May 11, 1922. Serial No. 560,207. 3 Claims. (Cl. 296—85.)



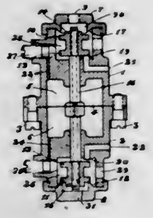
1. A windscreen for the seats of motor vehicles, said wind screen comprising a front screen and side extensions of flexible material, a spring roller to which the lower end of the front screen is attached and on which the screen and side extensions are adapted to be wound, a supporting frame for the windscreen comprising a transverse rod secured to the upper horizontal edge thereof with side rods pivoted to the said transverse rod, and supporting means on the sides of the vehicle whereon the side rods may be loosely stepped, and means for detachably securing the end of each side extension at the rear of the seats being protected, these latter securing means with the spring rollers serving to keep the collapsible supporting frame and front screen and extensions in operative position.

1,501,407. ULLAGE ROD. LOUIS JEAN LE CLAIR, Maidenhead, England. Filed May 13, 1922. Serial No. 560,595. 4 Claims. (Cl. 73—120.)



1. An ullage rod formed of a strip of fine mesh wire gauze, of from 80 to 120 per inch mesh and from .0048 to .004 of an inch in diameter, and a stiffening frame secured to the gauze and holding it extended.

1,501,408. PULSATOR FOR MILKING MACHINES. KNUT IVAR LINDSTRÖM and SIMON AXEL EFRAIM STERNER, Djursholm, Sweden. Filed May 22, 1922. Serial No. 562,895. 10 Claims. (Cl. 31—99.)



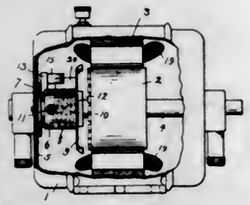
1. In pulsators for milking machines operating with vacuum, the combination of two pairs of valves which are rigidly mounted on a common body, movable longitudinally, means for giving said body and the valves a reciprocating movement, said means consisting of a vibratory diaphragm, connected with the valves, the one valve in each pair serving to control the vacuum supply, and the other to control the supply of atmospheric air, the atmospheric pressure valve in the one pair and the vacuum supply pipe in the other pair being adapted to occupy the closed position simultaneously.

1,501,409. BATHING CAP. DARRELL DEANE LOGAN, Dallas, Tex. Filed June 18, 1923. Serial No. 646,020. 5 Claims. (Cl. 2—68.)



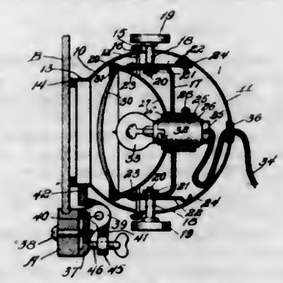
3. A cap of the character described, comprising a crown formed of a single sheet of resilient material, and inflatable sides of resilient material extending over the ears and terminating below the top of the crown.

1,501,410. STARTING MEANS FOR ELECTRIC MOTORS. LEE W. LUND, Duluth, Minn. Filed Sept. 14, 1922. Serial No. 588,163. 2 Claims. (Cl. 172—279.)



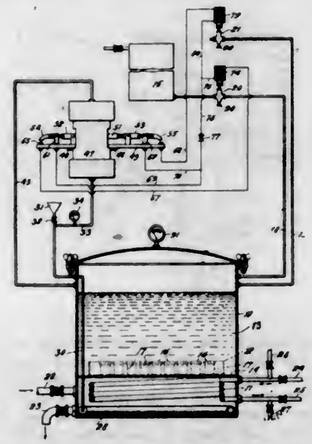
2. A motor control of the character described comprising a non-rotatable reciprocable armature concentric with the rotor of the motor, means cooperatively associated with said armature for making and breaking the starting circuit, said armature being actuated in one direction by the magnetic leakage of the motor and in the opposite direction by a spring, substantially as described.

1,501,411. SPOTLIGHT. SAMUEL W. HYATT, Columbus, Ohio. Filed Jan. 9, 1924. Serial No. 685,268. 9 Claims. (Cl. 240—61.2.)



1. In a spotlight device, a shell member, means for mounting the same upon a windshield, a second shell mounted upon the rear edge of the first named shell for rotation about the axis thereof, a yoke pivoted within the second named shell and having operating handles projecting laterally beyond the second named shell member, a reflector carried by the yoke, and illuminating means carried by the yoke within the reflector.

1,501,412. PRESSURE-CONTROL SYSTEM FOR STERILIZING AND PROCESSING APPARATUS. HARRY INGRAM, Brooklyn, N. Y. Filed Feb. 24, 1923. Serial No. 620,871. 8 Claims. (Cl. 99—2.)



3. In apparatus of the character described comprising a main tank or retort within which products contained in capped tumblers and the like are subjected to high temperatures, means for supplying pressure to the retort to act externally against the caps on the tumblers, an auxiliary tank exposed to the heat of the retort and containing a fluid expansible by said heat and representative of the pressure conditions within the tumblers and means governed by the pressure within said auxiliary tank for admitting pressure to the retort in excess of the pressure generated within the tumblers, said auxiliary tank for regulating the counter-pressure being independent of the treated receptacles as regards its volume and contents and adapted to ensure a preponderance of pressure within the retort for preventing the caps from being blown off.

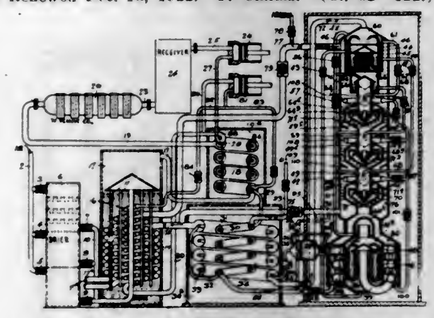
1,501,413. PROCESS OF RECOVERING TIN. ALAN KISSOCK, Los Angeles, Calif. Filed June 15, 1921. Serial No. 477,788. 3 Claims. (Cl. 204—67.)

1. The process of recovering tin from tin scrap which comprises acting on the tin scrap by an alkaline polysulfide solution to create an alkali thio-stannate solution and electrolyzing the alkali thio-stannate solution to deposit the tin from the solution, and thereby regenerating the solution to produce a polysulfide for use in the first step of the process.

1,501,414. PROCESS FOR PRODUCING MOLYBDATES. ALAN KISSOCK, Los Angeles, Calif. Filed Sept. 19, 1922. Serial No. 589,240. 9 Claims. (Cl. 23—13.)

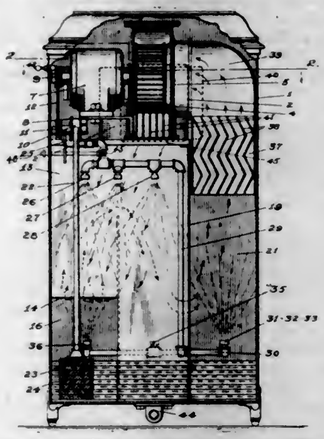
1. The process of producing a molybdate, comprising subjecting a mixture of molybdenum containing material and calcium containing material to an oxidizing roast, whereby to form a molybdate.

1,501,415. APPARATUS FOR SEPARATION OF AIR INTO ITS CONSTITUENTS. JAMES G. LAFFERTY, Coraopolis, Pa. Filed Mar. 22, 1919, Serial No. 284,309. Renewed Dec. 13, 1922. 17 Claims. (Cl. 62—122.)



1. In apparatus for the separation of liquid air, the combination of a chamber for containing liquid air, a second chamber surrounding the said liquid air chamber for collecting liquid separation products, a rectifying tower disposed above the said chambers and in communication with the said liquid-collecting outer chamber, a cooling chamber disposed above the said tower, and means for removing liquid from the said cooling chamber and for introducing the said liquid into the said tower.

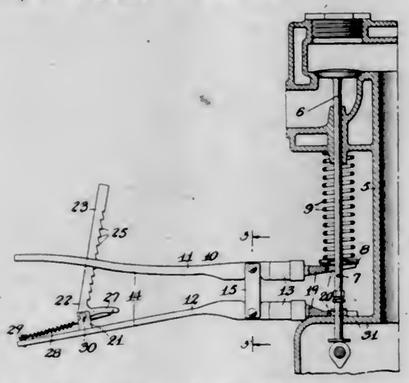
1,501,416. COOLING APPARATUS. ALBERT D. LANE, Oakland, Calif. Filed Dec. 13, 1922. Serial No. 606,753. 6 Claims. (Cl. 183—24.)



1. A portable unit air cooling and humidifying device, comprising a casing provided with air inlet and discharge openings, a plurality of spaced partitions therein dividing the same into a continuous air duct

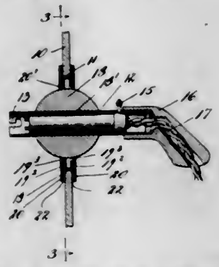
within the casing and connecting the air inlet and discharge openings, a base plate disposed transversely within the upper portion of the casing forming an open topped chamber in the upper end of the casing, and affording a top wall for a portion of said duct, an air blower within the duct and located above said base plate, a liquid circulating pump supported upon said base plate, an electric motor supported on the base plate and connected for operating said pump and blower, a body of liquid within said casing, a system of pipes and spray heads within said air duct and connected with said pump and body of liquid whereby the air in said passage is cooled and humidified, and a cover for said open topped chamber, said pump and motor adapted for exposing on the removal of said cover from said chamber.

1,501,417. VALVE-LIFTING TOOL. THOMAS MANNA, Jersey City, N. J. Filed May 23, 1922. Serial No. 562,961. 3 Claims. (Cl. 29—86.3.)



1. A valve lifting tool of the class described comprising two substantially similar members provided at one end with angular sockets, a link pivoted to said members adjacent to the sockets thereof for movably connecting the same, one of said members being provided adjacent to the other end thereof with a U-shaped part, a substantially L-shaped lever pivotally mounted in connection with said part, one member of the lever being adapted to extend through an aperture in the other of said members and provided with teeth or projections adapted to retain said last named member in predetermined position with reference to the first named member, and fork-shaped jaw members detachably mounted in connection with the sockets of said members.

1,501,418. MEANS FOR SUPPORTING LAMPS. HERMAN H. MEYER, Jr., New York, N. Y. Filed Feb. 21, 1923. Serial No. 620,475. 5 Claims. (Cl. 240—61.)



1. In a device of the character described, the combination with a support having a hole and a lamp support formed with a ball, of a socket therefor, comprising a channelled member formed with bent resilient parts adapted to engage around said ball and means for tightening said resilient parts on said ball.

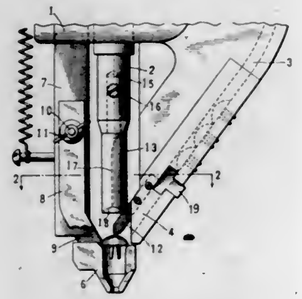
1,501,419. PROCESS OF PRODUCING BORON CARBIDE. EMIL PODSZUS, Friedrichshagen, near Berlin, Germany. Filed Jan. 4, 1921. Serial No. 435,006. 5 Claims. (Cl. 204—63.)

1. The process of producing boron carbide which consists in adding carbon to boron nitrid and then heating the mixture until reduction occurs.

1,501,420. ELECTRODE FOR HIGH-TENSION ARC FURNACES. WERNER SIEBERT, Laufenburg, Aargau, Switzerland, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,730. 2 Claims. (Cl. 204—31.)

1. An electrode for an electric high tension arc consisting of iron which is otherwise pure but contains carbon to an extent not exceeding 0.1%.

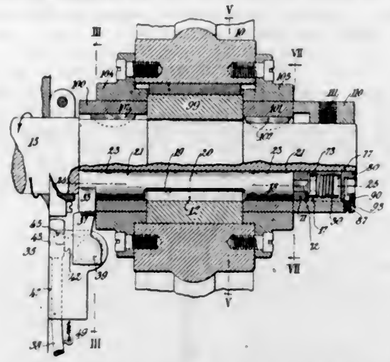
1,501,421. RIVETING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed July 19, 1922. Serial No. 575,946. 1 Claim. (Cl. 1—3.)



In a machine of the character disclosed a rivet guide having a pocket to receive and support the head of a rivet, rivet feeding means including an inclined chute for delivering the rivets to the pocket, a stationary hold-down finger forming the delivery end of one guide wall of the chute and having a projecting portion inclining downwardly to and terminating at a point substantially over the center of the head of a rivet supported in the pocket, and a plunger for operating on the head of a rivet so supported, having a groove in one side to receive the projecting portion of the hold-down finger.

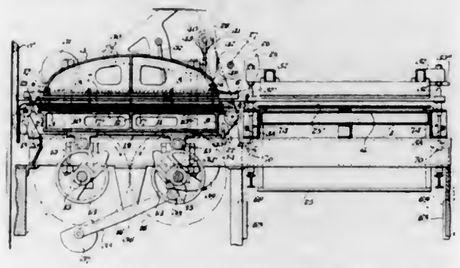
1,501,422. KEY CLUTCH. ROBERT W. STROUT, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Sept. 22, 1922. Serial No. 589,818. 1 Claim. (Cl. 192—29.)

A clutch comprising a driving and a driven part, one of said parts comprising an oscillatory key having a projection adapted to be turned into and out of engagement with said other part, to drive when said driving part turns in one direction and to yield when said driving part turns in the other direction, means for locking said driven part to said driving part, whereby running ahead of said driven part is prevented, and means for controlling the operation of said clutch key and locking means, whereby said locking means or said locking means and clutch key may be rendered inoperative, said control means comprising disks and resilient connections be-



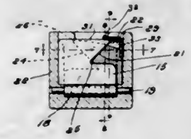
tween said disks and said clutch key and said locking means, said disks being rotatable to tension said resilient connections to turn said keys to declutching position.

1,501,423. INLAID-LINOLEUM MACHINERY. JOHN TAMBERLIN, Philadelphia, Pa., assignor to The George W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,280. 5 Claims. (Cl. 154—24.)



1. In an inlaid linoleum machine, the combination with sheet punching mechanism comprising a templet and cooperating dies; shape setting mechanism comprising a bed adapted for supporting a backing fabric and devices adapted for forcing shapes from said templet against said fabric, and mechanism for reciprocating said templet between positions in which it registers with said dies and devices respectively, of means for raising said templet relatively to said bed.

1,501,424. HAND-THREADING SHUTTLE. WILLIAM A. TENO, Anthony, R. I. Filed Sept. 7, 1923. Serial No. 661,438. 14 Claims. (Cl. 139—222.)

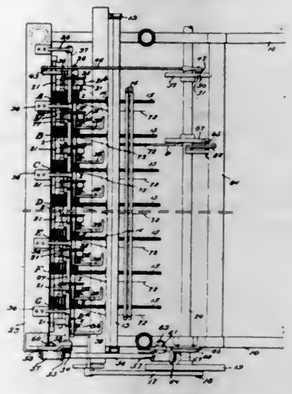


11. In a hand threading shuttle having a bobbin mounted therein, a thread guide plate folded to form a pair of cooperating thread-guiding members having diagonally-disposed thread guiding edges set on converging angles and each arrangement to guide the thread in threading from its upper edge to a point adjacent the axial center of the bobbin.

1,501,425. PROCESS OF COLORING IRON AND STEEL BLACK. WILHELM UTENDÖRFER, Cologne, Germany. Filed Feb. 15, 1922. Serial No. 536,755. 3 Claims. (Cl. 148—7.)

1. The process of coloring iron and steel black consisting in treating the articles to be colored black with a heated solution composed of dissolved salts which result from combining alkali with nitro-phenols, of gallic acid, and of an excess of alkali.

1,501,426. BULLION-FRINGE LOOM. CARL O. WALLISER and ROBERT E. WALLISER, Chicago, Ill., assignors to H. F. Walliser Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 30, 1923. Serial No. 677,698. 14 Claims. (Cl. 139—118.)



1. In a loom for weaving a plurality of fringes of the character described having groups of warp threads spaced apart and weft threads adapted to be interwoven respectively, with each of said groups of warp threads, weft inserting means and weft twisting means independent of each other and located between adjacent groups of warp threads; and common supporting means for said weft inserting and twisting means between said adjacent groups of warp threads.

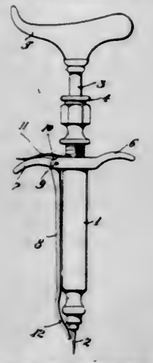
1,501,427. COMPOSITION FOR THE DESTRUCTION OF INSECTS, FUNGI, AND THE LIKE AND METHOD OF APPLYING THE SAME. SAMUEL WILSON, Brooklyn, N. Y. Filed Sept. 21, 1922. Serial No. 589,696. 10 Claims. (Cl. 167—6.)

1. A composition for the destruction of insects, fungi or the like, consisting of separate portions containing foam producing and maintaining ingredients and at least one of which contains an insecticide or fungicide, said ingredients being adapted when brought together to form a substantially permanent, adhering foam for holding the insecticide or fungicide in intimate contact with the objects to be treated.

3. A composition for the destruction of insects, fungi or the like, consisting of separate portions containing ingredients for producing and maintaining a foam having an insecticidal or fungicidal gas as its gaseous phase, one at least of said portions containing an insecticide or fungicide, and said ingredients being adapted when brought together to form a substantially permanent, adhering, toxic foam for holding the insecticide or fungicide in intimate contact with objects to be treated.

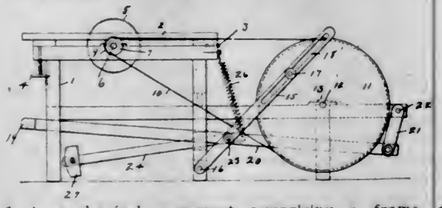
10. The method of treating objects with hydrocyanic acid for the destruction of insects, which consists in depositing on the objects a substantially permanent, adhering foam containing said acid and produced by combining in the vicinity of the objects foam producing and maintaining ingredients and hydrocyanic acid forming materials.

1,501,428. RETRACTOR. JULIUS WISOFF, Brooklyn, N. Y. Filed May 14, 1921, Serial No. 469,598. Renewed Apr. 2, 1924. 2 Claims. (Cl. 128—17.)



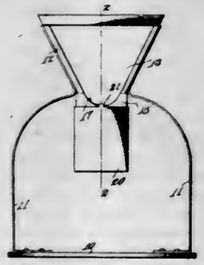
1. The combination of a hypodermic injector, a retractor comprising a blade and a handle disposed at an angle to said blade, projections on said injector, the junction of said handle and said blade being placed between said projections, a pivot pin engaging said retractor and said projections, and a spring to hold the blade folded against the injector.

1,501,429. WOODWORKING MACHINE. ALOIS ANTHONY, Baltimore, Md. Filed Feb. 7, 1922. Serial No. 534,652. 2 Claims. (Cl. 74—14.)



1. A mechanical movement comprising a frame, a shaft revolubly mounted in the upper part of said frame, two wheels mounted in said frame, a treadle having one end pivoted to said frame, two rods each pivoted at one end to said frame and to said treadle and having elongated slots in their upper ends, bolts passing through said elongated slots of said rods and connecting them with the said wheels, and means connecting one of said wheels with said shaft for operating the latter.

1,501,430. COIN HANDLER. OSCAR C. BERNARD, El Paso, Tex. Filed Nov. 1, 1923. Serial No. 672,147. 3 Claims. (Cl. 133—14.)



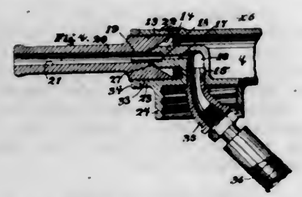
1. A coin handler including a hopper having a depending discharge neck, coin supporting doors pivoted in the upper portion of the neck and having obtuse angularly extending projections disposed through the opposite sides of the neck, and a tube slidable on the neck and having slots receiving the projections therethrough for movement of the latter to swing the doors into and out of coin supporting position.

1,501,431. PARACHUTE AND MEANS FOR LAUNCHING SAME. FRANK E. BEST, Seattle, Wash. Filed Dec. 28, 1921. Serial No. 525,315. 6 Claims. (Cl. 244—21.)



1. The combination with a parachute, of resilient suspension means arranged to be extended when said parachute is launched and capable of lifting the weight of a passenger, and releasable means for retaining said resilient suspension means in an extended position.

1,501,432. PAINTING, CLEANING, SAND-BLASTING, AND GENERAL UTILITY AIR BRUSH. PURLING ALLEN BLEAKLEY, Los Angeles, Calif. Filed Jan. 17, 1922. Serial No. 529,906. 17 Claims. (Cl. 91—45.)



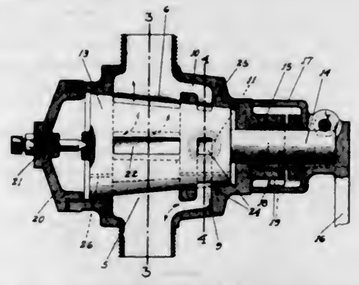
1. In an air brush having a nozzle and a handle through which compressed air is supplied to the nozzle, under control of a valve; a hand grip conformable to the palm of the hand pivoted on the handle and adapted to act upon the valve to open it against air pressure, when the handle and the hand grip are gripped for that purpose.

5. In an air brush having a spray nozzle, a handle through which compressed air is supplied to the spray nozzle and a valve to control the flow of air from the handle to the spray nozzle; a hand grip pivoted on the handle at the inlet end of said handle and adapted to act on said valve to open it against air pressure when the handle and the hand grip are gripped for that purpose; an ejector nozzle having a frusto-conical forward end and operable by flow of compressed air from the handle adjcent the outlet from the ejector nozzle; means to supply material to the bore of the ejector nozzle; and a spray nozzle arranged to receive the discharge from the ejector nozzle, and adjustable toward and from the ejector nozzle to decrease and increase the flow into the spray nozzle.

9. In an air brush provided with an ejector nozzle; a spray nozzle into which the ejector nozzle discharges and which is adjustable relative to the ejector nozzle, and adapted to predetermine the delivery of air to the spray nozzle.

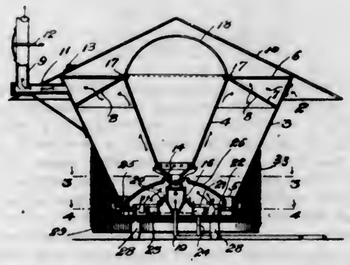
15. In an air brush the combination with an ejector nozzle of a spray nozzle between which and the ejector nozzle there is provided an outlet around the ejector nozzle; said outlet being laterally extended by channels having forwardly converging walls adapted to give a fan shape to the spray issuing from the spray nozzle.

1,501,433. TOILET FLUSH VALVE. FRANK T. BOGARD, Oakland, Calif., assignor to Rodney H. Marchant, Oakland, Calif. Filed Jan. 29, 1923. Serial No. 615,719. 4 Claims. (Cl. 251—104.)



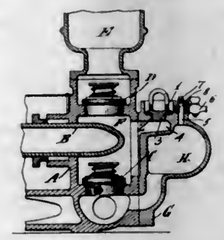
1. A valve comprising a casing, a pair of transversely opposed ports therein, passageways leading outwardly from said ports, an outlet from the casing, by passes leading from the passages to the interior of the casing beyond the ports, an intake leading to the casing, a plug turnably mounted in the casing, and port means in the plug for alternately allowing water to flow from one passage and port to the outlet while allowing water to flow from the intake into the bypass leading to the other passageway.

1,501,434. BROODER STOVE. JOHN W. BRANSON, Wallace, Va. Filed Nov. 29, 1922. Serial No. 604,048. 3 Claims. (Cl. 126—93.)



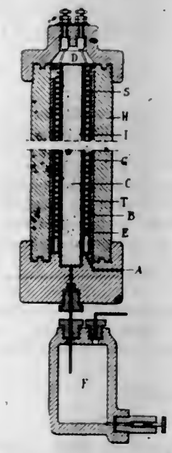
3. In a brooder stove, the combination of a plurality of legs, each leg including a vertical portion provided with a hook at its upper end and with an inwardly-extending horizontal extension at its lower end, a pan resting on said horizontal extensions, a drum above said pan and engaging the hooked ends of said legs, means fastening the hooked ends of said legs to the outer face of said drum, a band on the vertical portions of said legs and bracing the same, and a wire mesh fastened at its upper end to said drum and at its lower end to said band.

1,501,435. PUMP. NELSON E. BRIGHAM, South Hadley Falls, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Original application filed Aug. 10, 1921, Serial No. 491,098. Divided and this application filed May 15, 1923. Serial No. 639,071. 5 Claims. (Cl. 103—203.)



1. The combination with a pump cylinder, of a cylinder head removably secured to said cylinder and forming a suction air chamber, and a priming basin on said cylinder head.

1,501,436. SYNTHESIS OF AMMONIA. GEORGES CLAUDE, Paris, France, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Filed Mar. 12, 1921. Serial No. 451,765. 8 Claims. (Cl. 23—21.)

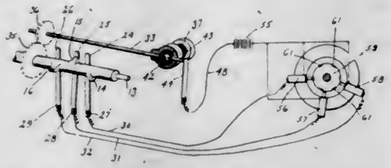


1. The method of carrying out the direct synthesis of ammonia in the presence of a catalyzing material and under the combined effect of high temperature and pressure, which comprises conveying the gaseous mixture prior to the reaction in heat-exchange relation with the reacting gases in the catalyzing chamber, and limiting the transfer of heat from the catalyzing chamber to the gaseous mixture so that the gaseous mixture is delivered to the catalyzing material at a temperature preferably the lowest permitting the commencement of the reaction.

1,501,437. ELECTRICAL SIGNALING APPARATUS. FREDERICK N. CONNET, Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 5, 1920. Serial No. 356,474. 7 Claims. (Cl. 177—337.)

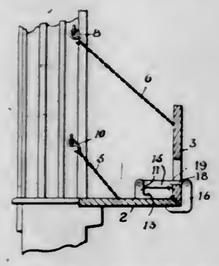
1. In a device as described, an electric circuit having a plurality of branches, a current distributor in said circuit for selectively completing the circuit through

said branches, a circuit closer in the main portion of the circuit comprising a hermetically sealed chamber, terminals in said chamber, means in said chamber for



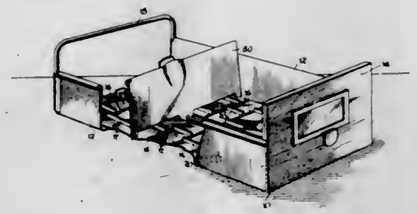
bridging the terminals therein for a limited period of time, and means for operating said bridging means and said current distributor to selectively complete the circuit through one of said branches.

1,501,438. SAFETY DEVICE FOR WINDOW CLEANERS. ANCHEL COHEN, Pittsburgh, Pa. Filed July 26, 1923. Serial No. 653,876. 1 Claim. (Cl. 304—29.)



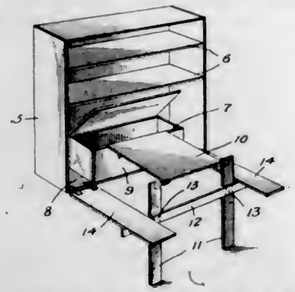
A device for the purpose set forth comprising a platform, a guard member hingedly connected thereto and formed with a pair of vertically disposed slots, a locking element mounted on said platform and extending through each of said slots, said element including a bar formed with a shoulder and a latch for locking said platform and said member in the erected position, substantially as described and for the purpose set forth.

1,501,439. FILING SYSTEM. COLEMAN F. COOK, Cincinnati, Ohio. Filed Apr. 14, 1923. Serial No. 632,122. 6 Claims. (Cl. 129—16.1.)



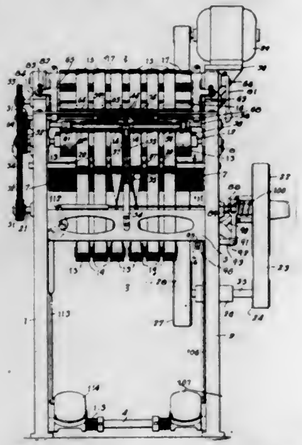
1. In a card index system, a card container having a bottom wall provided with a plurality of pairs of transversely extending slots, the pairs of slots being spaced longitudinally and the members of each pair of slots being transversely spaced from each other and from the sides of the box and being transversely alined, a series of pockets along each side of each slot and obstructions having releasable locking means comprising a gripping arm extending through the slot and engaging the under side of the bottom, the obstructions being selectively engaged with any one of the pockets, in combination with a card having notches corresponding to the obstructions.

1,501,440. COMBINATION CABINET AND TABLE. HANS P. DANA, Tacoma, Wash. Filed July 30, 1923. Serial No. 654,698. 2 Claims. (Cl. 190—12.)



1. The combination with a cabinet of a folding side wall comprising a table top member and bench members hingedly secured to said cabinet, leg members pivotally secured to said table top member, and said table top, bench, and leg members arranged to form a flush closure for said cabinet in the closed position substantially as specified.

1,501,441. TOBACCO STRIPPING AND BOOKING MACHINE. EUGENE M. DEILLER, Irvington, N. J. Filed June 29, 1920. Serial No. 392,622. 4 Claims. (Cl. 131—57.)

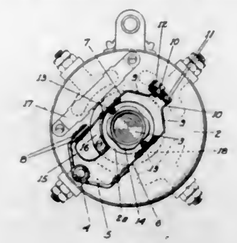


2. In a machine of the character described, the combination with a drum, booking belts extending around said drum, a cutter roller, a cutter shaft, a cutter on said shaft to cut out the stem of a leaf as it passes between the drum and belts, and drive means for said belt and cutter roller, of a pair of loose collars rotatable on said cutter shaft and each having a laterally projecting bracket bearing arm, a presser roller journaled between said bracket arms and engaging the cutter roller to smooth out the leaves as they pass into the cutter, and spring means for yieldingly maintaining said presser roller in engagement with the cutter roller.

1,501,442. BREAKER MECHANISM FOR DISTRIBUTORS. PAUL E. DEMMER, San Jose, Calif., assignor to D. & W. Specialty Company, San Jose, Calif. Filed Sept. 4, 1923. Serial No. 660,687. 5 Claims. (Cl. 200—30.)

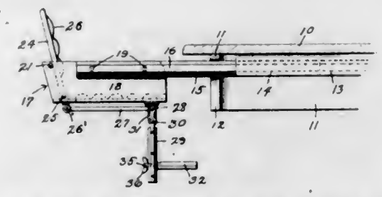
2. A breaker mechanism for distributors including a pair of spaced arms having co-operating contacts at one

end, said arms being arranged to receive a cam therebetween designed to spread them apart simultaneously, a



yoke to which the arms are attached, and a pivot for mounting the yoke on the casing of the distributor, said pivot being parallel to the axis of the cam.

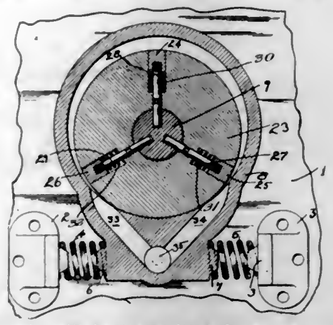
1,501,443. CHAIR ATTACHMENT FOR TABLES. HERBERT R. ELLIS, Fredericksburg, Va., assignor to one-half to Stuart Tunsill, Fredericksburg, Va. Filed June 11, 1921. Serial No. 476,720. 2 Claims. (Cl. 155—79.)



1. In a chair attachment for a table having a top, a pair of supporting bars rigidly fastened in parallel relation to the under side of the table top and having longitudinal dovetail grooves in sides thereof and terminating inwardly of an edge of the table top, a chair of box-like form including a bottom with rigid side boards, supporting bars having their outer ends rigidly fastened to the upper portions of the side boards and formed with longitudinal dovetail ribs on the sides thereof snugly slidably engaging the grooves of the supporting bars, whereby the chair may be positioned by slidable movement under the table top or outwardly of the edge of the latter, at will, said chair further embodying a chair back pivotally mounted near its lower end between the side boards upon a horizontal axis so that the same may be folded outwardly and downwardly from a rearwardly inclined operative position to an inoperative position between the side boards below the upper edges of the latter, brackets rigidly fastened to the under side of the chair bottom near its forward edge, normally upright foot rest supporting levers pivoted near their upper ends to said brackets, and horizontal links pivotally connected at their ends to the lower end of the chair back and the upper ends of the levers beneath the chair bottom, whereby upward swinging movement is imparted to the foot rest upon folding of the chair back forwardly and downwardly between the side boards, thereby providing knee room beneath the table top for persons occupying a separate seat at the table.

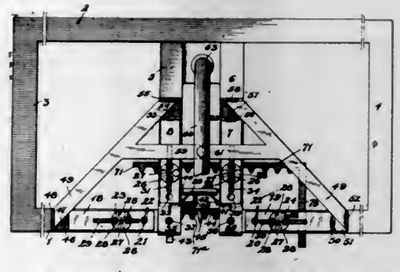
1,501,444. HYDRAULIC BRAKE. WALTER P. ENGLISH and HENRY C. CUTTING, San Francisco, Calif. Filed July 11, 1923. Serial No. 650,772. 10 Claims. (Cl. 188—90.)

1. In a brake for vehicles, the combination with a casing having a passageway connecting two portions of its periphery, a rotary element within the casing secured to an operating shaft, radially movable plungers carried by said element, means to hold them retracted, a spring for extending them the chamber within which said element rotates being eccentric, whereby fluid



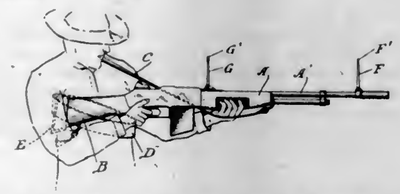
placed therein will be transmitted from one portion of said chamber to another portion thereof through the passageways aforesaid, and means to regulate the flow of said material whereby the shaft may be retarded.

1,501,445. MACHINE FOR ATTACHING SNAP FASTENERS. ADOLPH FRANKEL, New York, N. Y. Filed Feb. 21, 1923. Serial No. 620,389. 13 Claims. (Cl. 218—0.5.)



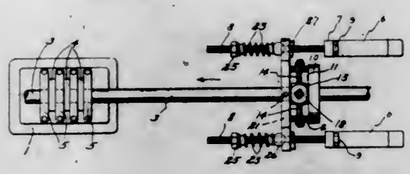
9. In a machine of the class described, the combination with a support for two edges of an article, hoppers for fastener members, means for receiving said fastener members successively from the hoppers and carrying said members to a position adjacent to the opposite edges of the article, and plungers for simultaneously attaching a male fastener member to one edge of the article and a female fastener member to the opposite edge.

1,501,446. FIREARM. JOHN W. FRENCH, New Rochelle, N. Y. Filed Oct. 27, 1921. Serial No. 510,872. 3 Claims. (Cl. 33—47.)



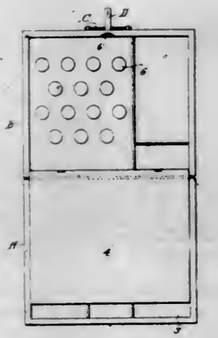
1. The combination of a gun having a barrel having a pair of sights and a secondary sighting arrangement for marching fire consisting of a foldable front sight located at the front end of the barrel and a foldable rear sight located near the front end of the gun stock the sighting points being equally spaced from the barrel so that the gun may be sighted when the stock is carried below the armpit.

1,501,447. THRUST BEARING. ALBERT P. GEER, New London, Conn. Filed Oct. 10, 1922. Serial No. 593,521. 5 Claims. (Cl. 64—49.)



1. In combination with a shaft and main bearing therefor, an auxiliary thrust bearing comprising a pair of pedestals, threaded spindles, one end of each spindle being supported in said pedestals, the opposite ends of said spindles being free, a plate member supported on said spindle, a large flange on the shaft adjacent said plate and means for absorbing the end-wise thrust of said shaft.

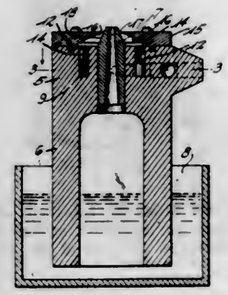
1,501,448. TACKLE BOX. WILLIAM O. GORRELL, Plainview, Minn. Filed Dec. 15, 1922. Serial No. 607,167. 1 Claim. (Cl. 43—31.)



A tackle box comprising body and lid sections hingedly connected together, the lid section having a top and side walls, spaced blocks of soft moisture absorbing material depending from the top wall of the lid section and spaced from the side walls thereof, a cover panel hinged to one of the side walls of the lid section and at the inner surface thereof and adapted to fit snugly within the side walls of the lid section with its edges in close contact with the inner surfaces of all of the side walls of the lid section and thereby forming an air tight compartment within the lid section, the cover panel when in closed position in the lid section having its outer surface flush with the edges of all of the side walls of the lid section whereby the cover panel lies above the upper edges of the side walls of the body section when the lid section is at a closed position over the body section.

1,501,449. METAL-DISINTEGRATING APPARATUS. EVERETT J. HALL, Passaic, N. J., assignor to Metals Disintegrating Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 20, 1917. Serial No. 208,166. Renewed Oct. 30, 1922. Serial No. 598,012. 12 Claims. (Cl. 83—91.)

1. Metal disintegrating apparatus comprising a tank for molten metal, a nozzle for the molten metal immediately above and dipping into the tank, and means for entirely surrounding the stream of metal issuing from said nozzle with an annular jet of disintegrating



fluid directed on converging lines upon said stream of metal as it issues from the nozzle, whereby the metal is lifted from the tank to the nozzle and disintegrated.

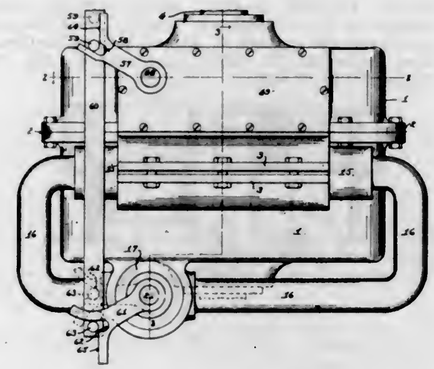
1,501,450. RAZOR. HUGO S. HASSELQUIST, Oak Park, Ill., assignor, by mesne assignments, to Collins Safety Razors, Chicago, Ill., a Common Law Business Trust. Filed Apr. 26, 1920. Serial No. 376,563. 3 Claims. (Cl. 30—12.)

1. In a razor of the character described, the combination of a hollow handle fitted with a blade-guard at one end, a blade-support having a grooved stem in said handle, a grooved member in said handle having a beveled end wall, a split spring-ring in said grooves, and an adjustable retainer having threaded engagement with said stem and having an accessible head by which it may be turned, substantially as described.

1,501,451. HYDRAULIC BRAKE. CHARLES W. HOOVER, San Francisco, Calif., assignor to Grace E. Elwood, Oakland, Calif. Filed Sept. 4, 1923. Serial No. 660,802. 12 Claims. (Cl. 188—90.)

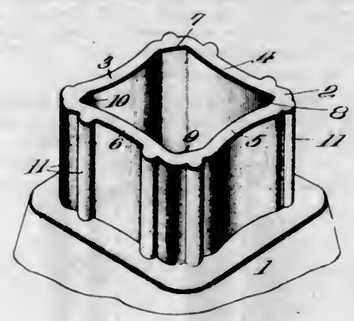
1. In a hydraulic brake, a pump comprising a working cylinder; a rotor therein; a substantially radially

disposed fluid impelling member adapted to be extended from and retracted into said rotor in following said



cylinder; and a latch adapted to engage said member when retracted to hold the same in its retracted position.

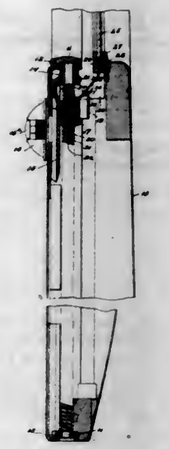
1,501,452. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed Feb. 9, 1924. Serial No. 691,738. 10 Claims. (Cl. 22—147.)



1. A feeder for ingot molds comprising four inwardly curved walls connected by four walls of a different contour.

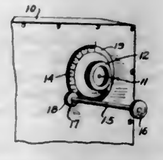
1,501,453. MEANS FOR ADJUSTING WINDOWS OF MOTOR CARS. FRANK HUMER, Detroit, Mich., assignor, by mesne assignments, to Lincoln Motor Company, a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,494. 15 Claims. (Cl. 268—4.)

1. In a construction of the kind described, a hollow panel, a threaded shaft rotatably journaled therein, a threaded collar mounted on said shaft, means for rotating said shaft to move said collar, a window slidably arranged in said panel, a member connecting said window and said collar whereby movement of the latter will raise or lower the window, yieldable means for normally urging said member towards said collar, and means pivotally mounted on the panel for causing lateral movement



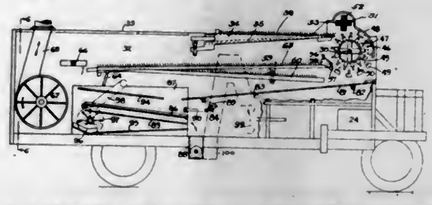
of said member and the window against the action of said yieldable means as the window is raised and approaches the upper limit of its movement.

1,501,454. ADJUSTING DEVICE FOR RADIOTUNERS AND THE LIKE. JAMES W. HUNT, Memphis, Tenn. Filed June 8, 1923. Serial No. 644,159. 7 Claims. (Cl. 74—7.)



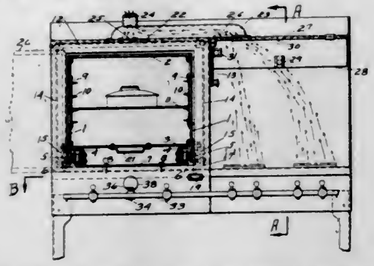
1. The combination with a panel and a dial rotatably adjustable thereon, of a spindle having secured thereto a ring of comparatively small diameter, and means for temporarily mounting and rotating the spindle and ring, said spindle when so mounted being movable axially to bring the ring into frictional engagement with the dial so as to rotate the same.

1,501,455. THRASHING MACHINE AND PARTS THEREOF. OTIS A. INGERSOLL, Martinsburg, N. Y. Filed Aug. 25, 1921. Serial No. 495,378. 3 Claims. (Cl. 130—27.)



1. A thrashing machine having a thrashing cylinder, a reciprocating means for feeding said cylinder, a reciprocating means for removing the thrashed material from said cylinder and rotatable means for controlling the admission of the material to said cylinder, said controlling means comprising a cross shaped paddle having elongated, axially parallel blades arranged over the thrashing means and one end of the feeding means.

1,501,456. MECHANICAL BAKING OVEN. JOHN JIRASEK, Detroit, Mich. Filed June 15, 1923. Serial No. 645,612. 2 Claims. (Cl. 126—339.)



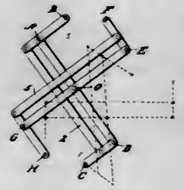
1. A mechanical oven carriage adapted to installation in a baking oven, comprising to metallic box shaped frame, horizontal baking grates installed within the frame, grooved rollers mounted on each side of the carriage frame, being attached to the back half of the carriage, a C-shaped track and guard rail for each set of rollers, means for fixedly attaching said rails to the bottom of the oven, and a draw handle attached to said carriage frame for moving the carriage in and out of the oven.

1,501,457. VEHICLE SPRING. JOSEPH KAESTNER, Burlington, Iowa. Filed Jan. 10, 1923. Serial No. 611,796. 2 Claims. (Cl. 267—47.)



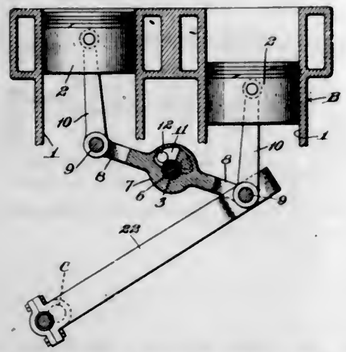
1. A spring of the class described composed of two parallel leaves each having an eye at one end and its other end rectilinear and free with reinforcing spring leaves arranged above and below the main leaves respectively, a bolt connecting the leaves of said spring at one side of the median line thereof so that one end of each leaf is shorter than the other, the longer ends being designed to carry the downward load and the shorter ends to resist the rebound, the reinforcing leaves being one provided at one end with a yoke-like member straddling the superposed leaves and equipped with a roller to travel on one of said leaves, and another of said reinforcing leaves being provided at the opposite end of the spring with a similar roller to ride on opposed faces of the spring.

1,501,458. PARALLEL DOUBLE TONGS. VLADIMIR KARAPETOFF, Ithaca, N. Y. Filed July 20, 1922. Serial No. 576,879. 12 Claims. (Cl. 33—1.)



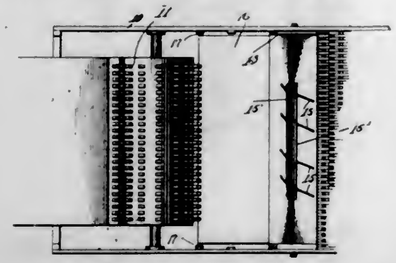
1. A kinematic system comprising two links pivoted together, a pair of arms pivoted to each link at spaced points, each arm having means for defining a point fixed relatively thereto, means for maintaining the arms of the respective pairs parallel, the pivot points of the system and said relatively fixed points being so located that the line joining the point fixed relatively to an arm of one pair to the point fixed relatively to the corresponding arm of the other pair is parallel to the line joining the point fixed relatively to the other arm of said one pair to the point fixed relatively to the corresponding arm of said other pair, in all positions of the system.

1,501,459. ENGINE. HARRY L. KLINE, Portland, Oreg., assignor of five-twentieths to Frank C. Hendrick and four-twentieths to Oscar G. Larson, both of Portland, Oreg. Filed May 26, 1923. Serial No. 641,704. 2 Claims. (Cl. 123—54.)



1. In combination, a shaft, a sleeve loosely mounted on the shaft, a rock member mounted upon the shaft and sleeve, means for oscillating the rock member, clutching means carried by the rock member and coacting with the shaft for rotating the shaft upon movement of the rock member in one direction, second clutching means carried by the rock member and coacting with the sleeve for rotating the sleeve independently of the shaft upon movement of the rock member in the opposite direction, a driving shaft, and an operative connection between the driving shaft and the first named shaft and sleeve whereby the movements of the shaft named shaft and sleeve upon oscillation of the rock member causes the second named shaft to continuously rotate in one direction.

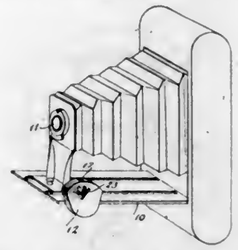
1,501,460. STRAW SPREADER. ANTON A. KLOCKE and JOSEPH WURZER, Dedham, Iowa. Filed Dec. 15, 1922. Serial No. 607,140. 4 Claims. (Cl. 130—24.)



1. A straw spreader for a thrashing machine, in combination with a beater having radial blades, of spreader arms carried by and extending obliquely across and away from the faces of said blades.

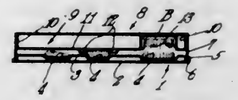
1,501,461. FOCUS RANGE FINDER FOR CAMERAS OR THE LIKE. ABRAHAM KURNICK, Brooklyn, N. Y., assignor of one-half to Louis Kurnick, New York, N. Y. Filed Nov. 20, 1922. Serial No. 602,043. 3 Claims. (Cl. 88—1.5.)

1. A focus range finder forming a unitary attachment for cameras or the like comprising a casing, optical means carried by the casing and adapted to reflect the image of the base line of an object, said optical means having a relatively narrow slot through which said base line image may be observed, indicating means carried by the casing arranged to function proportionately to the movement



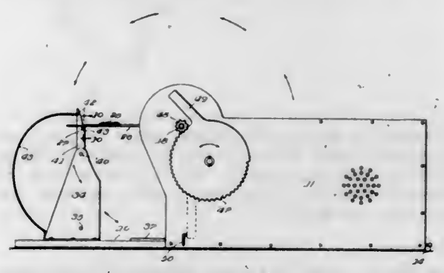
of and for joint consideration with said optical means as the latter is inclined from the horizontal, and means carried by the casing alone sufficient to secure the latter to a camera.

1,501,462. SHIPPING CONTAINER. GEORGE B. MACDONALD, New York, N. Y., assignor to The Fiberloid Corporation, Indian Orchard, Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 30, 1923. Serial No. 677,856. 1 Claim. (Cl. 206—44.)



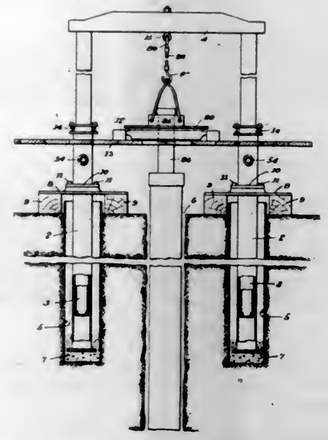
The combination in a shipping container of a receptacle and a cover therefor, the said receptacle comprising a flat base member, a tray having vertical side walls provided with horizontal flanges that overlie and are secured to the base at the marginal edges thereof, the said tray being provided with depressions in its upper side for positioning articles and supporting the same at a distance above the base, the said cover comprising vertical side walls that engage the vertical side walls of the tray and that abut the upperside of the horizontal flanges thereof and an inverted tray having side walls that interfit the side walls of the cover and that abut the upper wall thereof to retain the face of the tray at a distance from the said cover, the said tray being provided with a depression and guides that are adapted to embrace the articles in the depressions of the first named tray to hold them from displacement thereon.

1,501,463. ANIMAL TRAP. MIKE MATEJEWSKI, Norris, Ill. Filed Feb. 19, 1923. Serial No. 620,038. 4 Claims. (Cl. 43—74.)



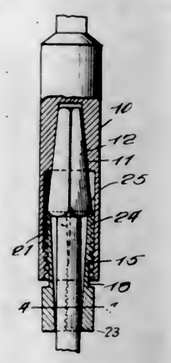
1. In a trap, a cage having a portion of its top and its front end open, a shaft journaled transversely of the cage at the top of the open front, a spiral spring normally holding said shaft under tension, right angularly disposed door members carried by the shaft and respectively closing the open front and the opening in the top, a sweep arm carried by the shaft, and means normally holding the shaft against rotation, consisting of a spring catch and a bait-carrying-treadle-operated releasing means for releasing the catch, and an outwardly spring pressed auxiliary door pivotally mounted at the bottom of the open front of the cage and co-operating with the first named door.

1,501,464. HYDRAULIC APPARATUS FOR HANDLING WELL TUBING. EDGAR W. PATTERSON, Norwalk, Calif. Filed Apr. 9, 1923. Serial No. 630,849. 4 Claims. (Cl. 138—9.)



1. In an apparatus of the character disclosed, a hydraulic jack, a fluid pumping and storage plant connected to said jack for pumping fluid to a proper pressure for raising said jack to raise a well casing and for storing said compressed fluid and utilizing the same for lowering said casing in its well.

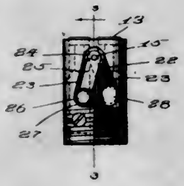
1,501,465. TOOL HOLDER. WILLIAM A. PECK, New Haven, Conn. Filed June 14, 1923. Serial No. 645,315. 7 Claims. (Cl. 279—91.)



1. A tool holder for tools having angular heads connected with the shanks thereof by conical portions, comprising a body formed with a socket to receive and fit the head of the tool and with a tubular extension beyond the socket having its outer end portion internally screw-threaded and its interior relieved inwardly of the screw threads to a diameter greater than the interior diameter of the sleeve at the base of the screw threads, and a segmental sleeve externally screw-threaded to

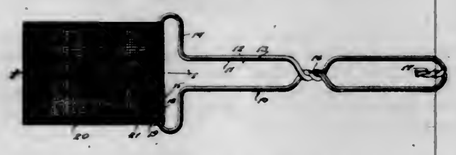
loosely engage the screw threads of said extension, the inner ends of the segments of the sleeve engaging said conical portion of an engaged tool to be spread thereby whereby the threads of the sleeve are firmly engaged with the threads of the tubular extension and the outer ends of the segments of the sleeve clamped upon the shank of the engaged tool.

1,501,466. TWO-POINT-CONNECTER LIGHT PLUG. CLAUD PORTER, De Smet, S. Dak. Filed June 17, 1922. Serial No. 569,131. 6 Claims. (Cl. 173—346.)



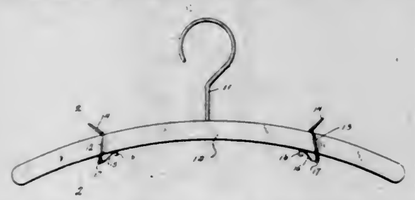
1. A grounding plug comprising an insulating body, a pair of spaced conductors extending longitudinally through said body, a ground contact pin extending transversely of the body in spaced relation to the conductors, and conductor means carried by the pin and movable into and out of engagement with one of said conductors.

1,501,467. FLY SWATTER. JAMES S. RAIRDEN, Waterford, Calif. Filed June 12, 1923. Serial No. 644,926. 5 Claims. (Cl. 43—137.)



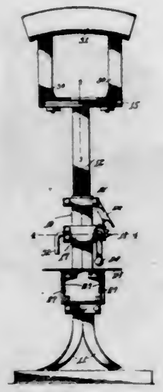
1. A swatter comprising a handle and a swatting plane; said handle having a T portion upon which the swatter plane is hinged, and means for yieldingly holding the plane in extended position with regard to the handle, said plane including a double layer of wire mesh, doubled around said T portion.

1,501,468. GARMENT HANGER. FREDERICK M. RAUCH, Washington, D. C., assignor of one-half to Walter J. Brooks, Washington, D. C. Filed Nov. 10, 1923. Serial No. 674,014. 4 Claims. (Cl. 211—13.)



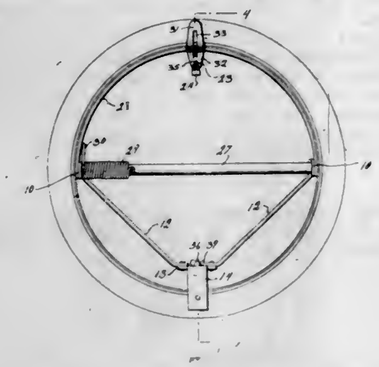
4. A garment hanger having a supporting member, arms extending in opposite directions from the supporting member and a garment retainer disposed on each arm, the retainer when disposed at right angles to the length of the arm being slidable longitudinally of the arm and when canted at less than a right angle to the arm having clamping engagement with the arm, each garment retainer having a garment retaining finger at its upper end.

1,501,469. TIRE-REPAIR STAND. HOWARD B. REX, Henryetta, Okla. Filed Mar. 12, 1923. Serial No. 624,681. 4 Claims. (Cl. 154—9.)



2. A tire repair stand including an upright, a vertically adjustable stem in the upright, a turntable on the upper end of the stem, means on the turntable for disposition within the upper portion of an outer casing of a pneumatic tire, and a platform on the upright for supporting the lower portion of the tire casing so engaged with the turntable carried means.

1,501,470. AUTOMOBILE-TIRE RACK. JOHN SCHWAB, Chicago, Ill. Filed May 6, 1922. Serial No. 558,897. 14 Claims. (Cl. 224—29.)

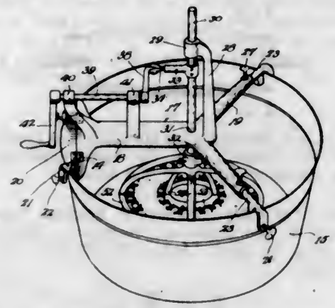


1. In a tire rack, the combination with a tire support adapted to engage beneath a tire to support the same, of means for maintaining a tire in position upon the support shiftable to engage and elevate a tire into position upon the support.

1,501,471. WASHING ATTACHMENT FOR TUBS. HARRY A. SMITH, Mondovi, Wash. Filed May 31, 1923. Serial No. 642,655. 5 Claims. (Cl. 68—15.)

1. In a device of the class described, a supporting member, elements on said member adapted to secure the member to a receptacle, a main shaft mounted to move

in said support, a plunger on said main shaft, and means for communicating to said main shaft a combined

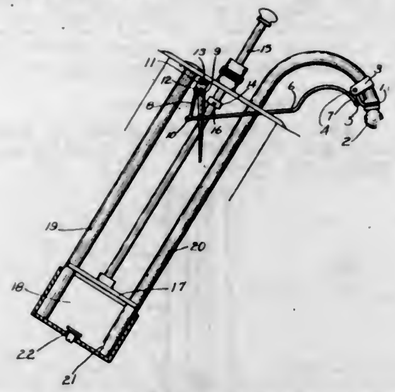


oscillatory and reciprocating movement, said plunger having concentric rings and a series of clips on said rings adapted to hold material to be washed.

1,501,472. PROCESS OF PRODUCING PARAMIDOPHENOL AND ITS COMPOUNDS. CHARLES J. THATCHER, New York, N. Y. Filed Jan. 24, 1920. Serial No. 353,742. 15 Claims. (Cl. 204—9.)

1. In the manufacture of paramidophenol and its compounds, the process of reducing nitrobenzol by electrolyzing the same in sulfuric acid, diluted to a content not exceeding about 78%, until the liquor will crystallize when cooled, cooling to crystallize the liquor, filtering off the mother liquor, dissolving the crystals in water, and neutralizing the excess acid thereof, whereby a paramidophenol compound readily soluble in water is obtained.

1,501,473. SIRUP-SPOUT CLOSURE. CHESTER A. TINCHER, Seattle, Wash. Filed Aug. 21, 1923. Serial No. 658,573. 4 Claims. (Cl. 225—35.)



1. A closure for sirup spouts having a plate pivotally attached to a collar adjacent the end of the spout, a rod pivotally attached to the plate, a lever attached to the opposite end of the rod, and a collar on the plunger that forces the sirup up through the spout, which will engage the lever and hold the closure open.

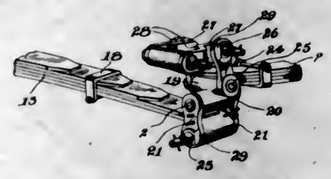
1,501,474. TIMEPIECE HOLDER FOR STEERING WHEELS. GEORGE A. BELL, Belmont, N. H. Filed Oct. 21, 1922. Serial No. 596,007. 3 Claims. (Cl. 224—4.)

2. A holder comprising a cup, adapted to receive a time-piece, and provided with ears projecting oppositely from its mouth, a clamping-screw engaged with one of said ears, an annular confining member pivoted to one of the cup ears, and having a slotted extension, adapted to be confined on the other cup ear by said clamping-



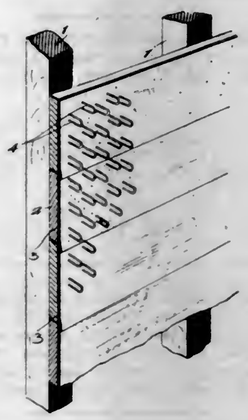
screw, in an operative position, overhanging the margin of the interior of the cup, means for yieldingly pressing the time-piece against said confining member, and means for detachably securing the cup to a steering-wheel spoke.

1,501,475. AUTOMOBILE SPRING SUSPENSION. WILLIAM B. CONNELL, Dallas, Tex. Filed Jan. 6, 1923. Serial No. 611,105. 2 Claims. (Cl. 267—54.)



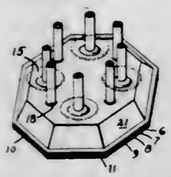
1. In a vehicle, the combination with the usual longitudinally extending side springs and the transverse semi-elliptic spring, of a universal shackle between said springs, one end of said transverse spring being connected with the lower end of said shackle, and a pair of links connected to the rear terminal of the longitudinally extending spring and extending forwardly thereof, said links at their forward ends being connected to the upper end of said shackle.

1,501,476. WALL SHEATHING. CHARLES O. COWAN, Palo Alto, Calif. Filed June 22, 1923. Serial No. 647,081. 5 Claims. (Cl. 72—33.)



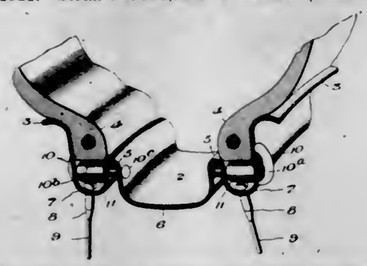
5. In a wall construction, a sheathing member, and a plurality of staples extending outwardly from the sheathing member and having the bight portions thereof unobstructed for securing plaster to the sheathing member.

1,501,477. COUNTERSET. HARRY J. CUNNINGHAM and CARL G. A. ROSÉN, San Francisco, Calif., assignors to Tung Foon Company, San Francisco, Calif., a Copartnership composed of Harry J. Cunningham, Carl G. A. Rosen, and John J. O'Donnel. Filed Oct. 22, 1923. Serial No. 670,010. 5 Claims. (Cl. 46—55.)



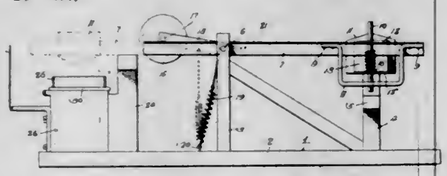
3. A counter set comprising a rack having a perforated base and a chip receiving pin extending upwardly therefrom, and a second rack having a base and a chip receiving pin extending upwardly therefrom and arranged to engage in a perforation of said first base when said latter base is superimposed over the second.

1,501,478. RIM. BURGESS DARROW, Huntington Park, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 11, 1921. Serial No. 506,953. 5 Claims. (Cl. 152—20.)



4. A unitary rim for pneumatic tires comprising a pair of upstanding bead-retaining flanges, a pair of laterally spaced circumferential gutters formed between the flanges, each of said gutters being adapted to receive a series of spoke nipples, a pair of laterally spaced circumferential lands formed between the gutters, a relatively deep central groove formed between the lands, and a plurality of reenforcing elements extending from the lands to the flanges.

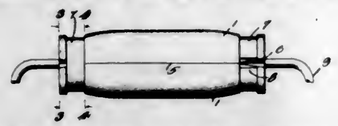
1,501,479. METHOD AND APPARATUS FOR MAKING BRICK. ROY P. M. DAVIS, Mount Union, Pa. Filed Oct. 4, 1922. Serial No. 592,226. 13 Claims. (Cl. 25—45.)



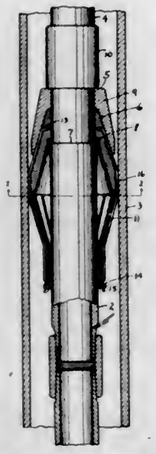
1. The herein described method of making brick consisting in precipitating plastic material into a mold, scraping the excess material from the top of the mold to shape the brick, and then precipitating the preformed brick into a mold of slightly greater transverse and longitudinal dimensions than the first mentioned mold.

1,501,480. HANDLE. JOSEPH W. DYE, Long Beach, Calif. Filed Jan. 11, 1923. Serial No. 612,116. 2 Claims. (Cl. 16—116.)

1. A handle comprising laterally separable sections having abutting inner surfaces, and prehensile spring binders surrounding the sections, the sections being provided with superficial means for holding the binders on the sections, the binders having free ends and being rotatable in said means and on the handle, to space the free ends of the binders from the inner surfaces of the sections, circumferentially of the handle.

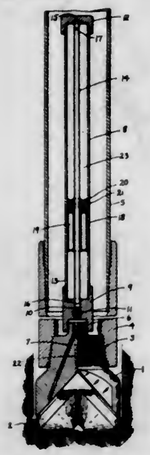


1,501,481. PACKER. CHARLES E. FRAZIER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex. Filed Nov. 24, 1923. Serial No. 676,732. 7 Claims. (Cl. 166—10.)



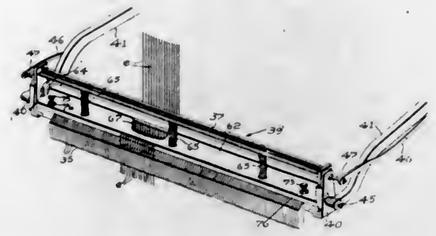
7. A well packer for use in a well casing, comprising a supporting tubing, a downwardly flaring cup on said tubing adapted to contact with said casing, means to clamp said cup on said tubing, and rods extending along the outer face of said cup to support and protect the same.

1,501,482. LUBRICATOR. HOWARD R. HUGHES, Houston, Tex. Filed Feb. 27, 1923. Serial No. 621,669. 4 Claims. (Cl. 255—71.)



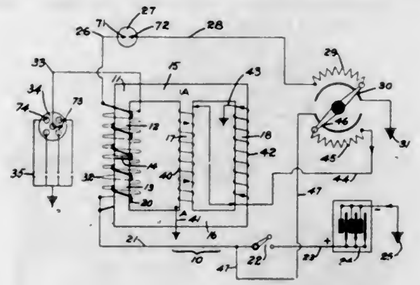
1. In a rotary earth-boring drill, a drill stem, a drill head thereon, roller cutters mounted on bearings on said head, a lubricator barrel secured to the upper end of said head within said drill stem, said barrel having an opening, for flushing fluid adjacent the lower end thereof, a buoyant piston in said barrel above said opening, a central tube secured to said head within said barrel, said tube having an opening adjacent its upper end, and a passage from said tube through said head to said bearings.

1,501,483. PILE-FABRIC LOOM. HARRY HUGHES, Saxonville, Mass. Filed June 23, 1923. Serial No. 647,282. 9 Claims. (Cl. 139—9.)



1. In a loom for weaving tufted fabrics, means for inserting the pile tufts, comprising in combination, a carrier for yarn tuft presenters, means for supporting a supply of yarn with the ends of the yarn extending from the source of supply to said presenters, means for moving the carrier toward and from the shed relative to the source of yarn supply, and yarn engaging means supported by the carrier and actuated by the tension placed upon the yarn as the carrier is moved towards the shed to grip the yarn and pull it from the source of supply.

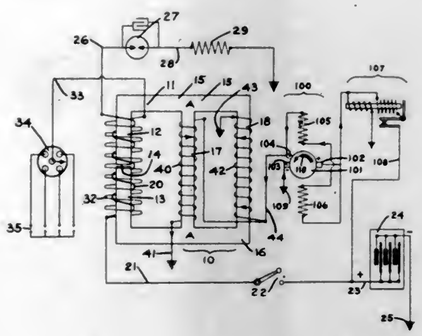
1,501,484. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Sept. 3, 1918. Serial No. 252,316. 20 Claims. (Cl. 123—148.)



1. In an ignition system, the combination with a source of current, and sparking devices; of an ignition coil including windings adapted to be connected with the source and sparking devices, and including a core; and provisions for changing the inductance of the coil by varying the reluctance of the material of the core.

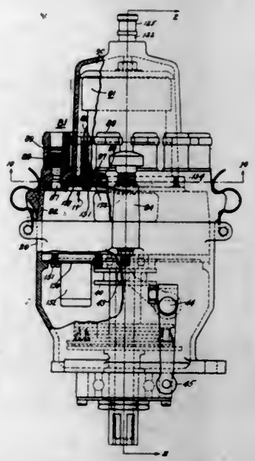
1,501,485. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Original application filed Sept. 3, 1918, Serial No. 252,316. Divided and this application filed Dec. 11, 1919. Serial No. 344,205. 8 Claims. (Cl. 290—41.)

4. In an ignition system for internal-combustion engines, the combination with a generator driven by the engine; of sparking devices for the engine; an ignition coil adapted to be connected with the engine; and means



controlled by variations in voltage between certain generator brushes for varying the inductance of the coil.

1,501,486. IGNITION APPARATUS. JOHN H. HUNT and WILLIAM A. CHRYST, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 18, 1920. Serial No. 424,837. 7 Claims. (Cl. 123—148.)

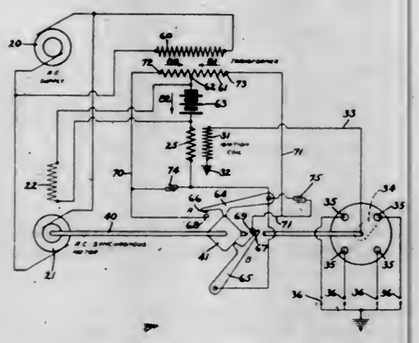


1. In an ignition system, the combination with a current source and an ignition coil having a primary winding and a secondary winding; of circuits connecting the battery with different portions of the primary winding; and means for opening and closing said circuits in recurrent sequence, said circuits having an overlapping closed period, said means including breaker levers each for controlling one of said circuits, and a single cam for operating said breaker levers.

6. In an ignition system, the combination of a distributor head having a series of contacts and a recess adapted to receive an ignition coil; a coil supported by said head in said recess; a member closing one end of

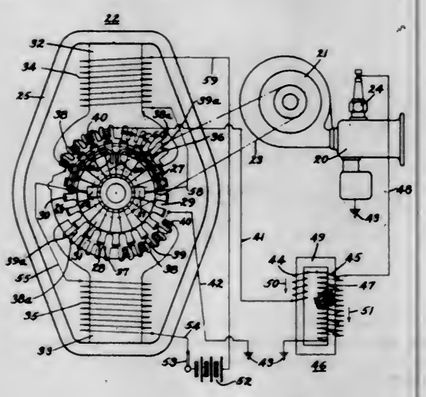
the recess, said member being supported by the coil; a contact supported on the outer surface of said member; and a screw passing through said contact into said member and electrically connecting the coil and contact.

1,501,487. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 19, 1920. Serial No. 425,239. 9 Claims. (Cl. 171—314.)



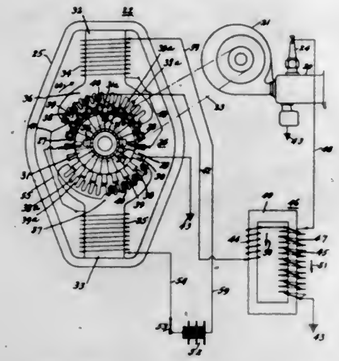
1. In an ignition system, the combination with a source of alternating current; of an ignition coil; a mechanically operated timer; and means mechanically separate from said source for operating said timer in synchronism therewith.

1,501,488. MOTOR AND IGNITION GENERATOR. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 16, 1921. Serial No. 478,142. 4 Claims. (Cl. 171—123.)



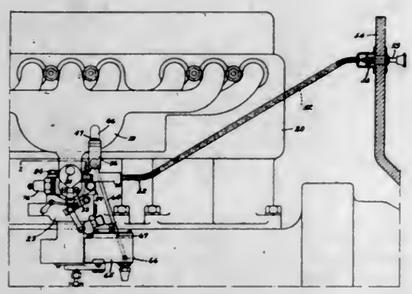
1. In a motor and high frequency generator, the combination with field poles and an armature including windings and an open-slotted core; of a series of pole-face windings distributed over a portion only of the total pole-face area of the field poles, said windings being independent of the armature windings.

1,501,489. REGULATOR FOR IGNITION SYSTEMS. JOHN H. HUNT and JOHN T. FITZSIMMONS, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 16, 1921. Serial No. 485,356. 7 Claims. (Cl. 171—119.)



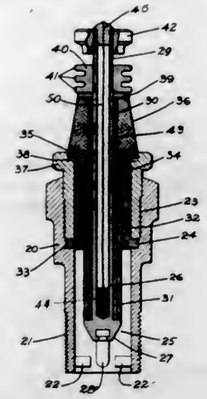
1. In an ignition system, the combination with an electric motor including pole-face windings; of a source of current for said motor; a transformer ignition coil connected with said pole-face windings; a spark plug connected with said ignition coil; and means for maintaining substantially uniform ignition between certain limits of voltage of the current source.

1,501,490. FUEL BURNER. JOHN H. HUNT and HUGH WALLACE, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed May 10, 1922. Serial No. 559,955. 6 Claims. (Cl. 123—122.)



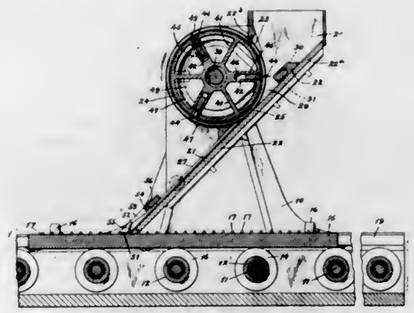
1. In a device for heating an engine intake, the combination with an internal-combustion engine; of an electrically ignited liquid fuel burner communicating with the intake of said engine; means operated by engine suction for supplying the burner with a total fuel air mixture; and means for separating out of said total fuel mixture, when the burner is relatively cool, a relatively rich easily ignitible mixture.

1,501,491. SPARK PLUG. CHARLES F. KETTERING, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Jan. 11, 1918. Serial No. 211,425. 6 Claims. (Cl. 123—169.)



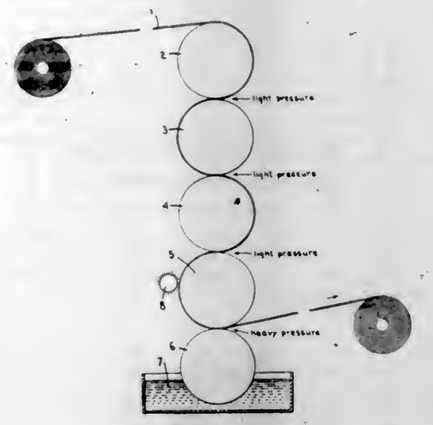
1. In a spark plug, the combination with a plug shell; of an electrode insulated therefrom and having self-contained cooling provisions, including a chamber provided with a chamber lining of metallic amalgam, and a quantity of fluid metal located within said chamber.

1,501,492. METAL-INSERT-FEEDING MACHINE. WALDEMAR D. KMENTT, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1921. Serial No. 497,054. 19 Claims. (Cl. 18—1.)



1. In a machine of the character described, the combination of a hopper for holding small articles in bulk and having a sloping floor, a gravity chute leading therefrom and having a floor sloping in continuation of that of said hopper, and a rotary, back-sweeping member constituting in effect a side wall of said hopper, the upper end portion of said chute being substantially tangent to said rotary member and the two at the point of tangency being so formed as to define a passage of such form in cross-section of the structure as to accommodate an article of determinate form and size only when said article is in a determinate position, said chute having its mouth substantially at said point of tangency.

1,501,493. PROCESS OF IMPREGNATING PAPER. LEONARD C. KOPLIN, Akron, Ohio, assignor to The Thomas Phillips Company, Akron, Ohio, a Corporation of Ohio. Filed July 6, 1921. Serial No. 482,652. 10 Claims. (Cl. 91—68.)

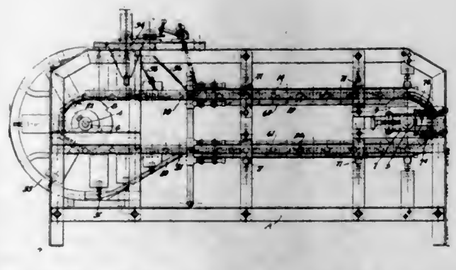


2. The process of manufacturing a tough, durable paper, comprising forming said paper from a stock without any sizing, calendering said paper with a light pressure and then with a heavy pressure and impregnating the paper with a strengthening solution and subjecting it to a heavy pressure calendering.

4. The process of manufacturing paper, comprising calendering the paper so as to leave it open and porous, perforating the surface of the paper and then impregnating the paper with a strengthening solution under heavy pressure.

10. The process of manufacturing a tough, elastic paper, comprising calendering a paper made of an unsized manila stock, under light pressure so that it is absorbent, coating the paper while in an absorbent condition with a strengthening solution containing casein and calendering under heavy pressure.

1,501,494. BAKING MACHINE. MANJI MATSUO, San Francisco, Calif., assignor to Kikuye Matsuo, San Francisco, Calif. Filed Mar. 9, 1921. Serial No. 451,012. 6 Claims. (Cl. 107—58.)

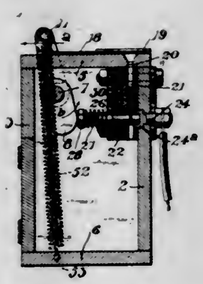


1. The combination of an endless carrier having upper and lower flights and comprising moulds and transverse hinge rods connecting the moulds and having extended terminal portions projecting laterally beyond the same, guiding means located at opposite sides of the conveyor and receiving the ends of the said rods, a container for the reception of dough disposed above the endless carrier and having a valve, valve operating means projecting into the path of the extended terminal portions of the

transverse hinge rods and actuated by the same for operating the valves, and means also engaging the extended terminal portions of the rods for actuating the endless carrier.

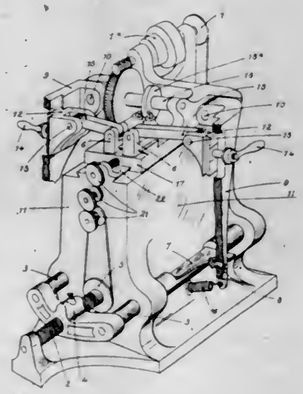
4. In a machine of the character described a main frame, a shaft journalled in each end thereof, one of said shafts being mounted in sliding bearings and said bearings being constant pulled in one direction by spring action, sprockets on each shaft, an endless carrier supported by said sprockets, moulds on the endless carrier, hingedly secured covers on the moulds, a projecting lug on each cover, and a U-shaped cam member supported by the main frame and having a sliding movement therein, said cover lugs engaging the cam and a rigid arm connecting the cam with the slidable bearing to cause said bearing and cam to move in unison.

1,501,495. AUTOMATIC TIME AND COIN-CONTROLLED SWITCH. HAROLD PLUMMER, Oakland, Calif. Filed Oct. 11, 1922. Serial No. 593,859. 4 Claims. (Cl. 194—6.)



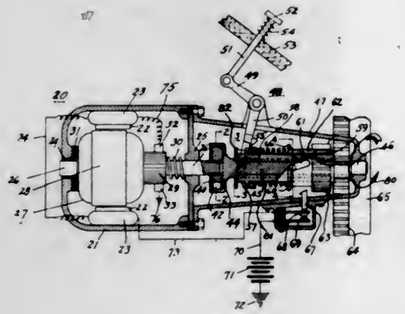
1. The combination with an electric motor and a coin controlled switch therefor of means requiring manual setting of the switch before a coin can be inserted and the circuit closed, and means driven by the motor for resetting the switch and releasing the coin to break the circuit.

1,501,496. AUTOMATIC MACHINE FOR PROFILING TOOLS. MARCEL ULYSSE RAMSAY and DÉSIRÉ MARIE MOEGLEN, Bois-Colombes, France. Filed Aug. 15, 1921. Serial No. 492,299. 3 Claims. (Cl. 82—14.)



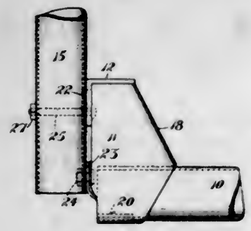
1. An automatic machine for profiling tools, comprising in combination a frame, a work holder, means for rotating said work holder, a tool holder, a template, two longitudinal screws adapted to impart a lengthwise translation to said tool holder and to said template respectively, means for rotating one of said screws, a transmission gear between said screws, a spring controlled lever adapted to pivot on said frame in a transverse plane and cooperating with the profile of said template, a supporting member adapted to slide on said lever, means for securing said supporting member in a determined position on said lever, and a transverse link pivoted at one end on said supporting member and at the other end on said tool holder in order to control the cross feed of the latter.

1,501,497. CONNECTING MECHANISM. ELMER H. SCHWARZ, Fort Lee, N. J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 3, 1921. Serial No. 449,457. 5 Claims. (Cl. 172—239.)



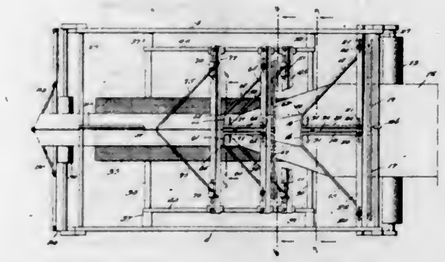
1. In a connecting mechanism, the combination with an overrunning clutch and a driving member having a rotatable shaft connected therewith through said clutch: of a sleeve splined on said shaft; a gear; a pinion adapted to engage said gear; a pin and oblique slot connection between said pinion and sleeve; a spring for normally maintaining said pin and oblique slot in fixed relation; and means for shifting said sleeve.

1,501,498. RISER. ARTHUR M. SMITH, San Francisco, Calif., assignor to Marshall & Stearns Company, San Francisco, Calif., a Corporation of California. Filed May 31, 1922. Serial No. 564,754. 4 Claims. (Cl. 5—206.)



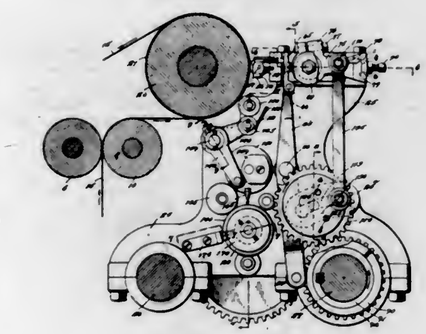
1. In a bed structure, a side rail, a sheet metal riser having its body portion bent into the form of U when viewed in plan, legs integral with the body portion and extending around the rail, the ends of said legs being inturned to engage the sides of a slot formed in the rail.

1,501,499. WEB-FOLDING MACHINE. GEORGE W. SWIFT, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a Corporation of New Jersey. Filed Jan. 23, 1923. Serial No. 614,477. 9 Claims. (Cl. 270—93.)



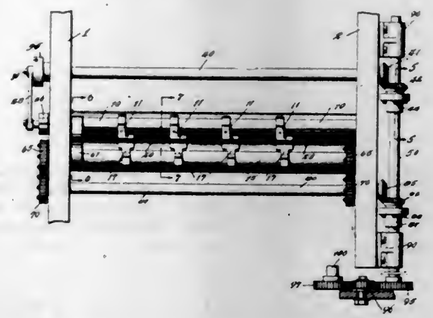
1. A web folding machine having means for longitudinally folding lateral portions inwardly and outwardly upon an intermediate portion of a web, and means for imparting a final longitudinal fold to said intermediate portion of the web.

1,501,500. MECHANISM FOR MAKING IMPRESSIONS UPON TRAVELING SHEETS OR WEBS. GEORGE W. SWIFT, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a Corporation of New Jersey. Filed Feb. 12, 1923. Serial No. 618,571. 17 Claims. (Cl. 101—77.)



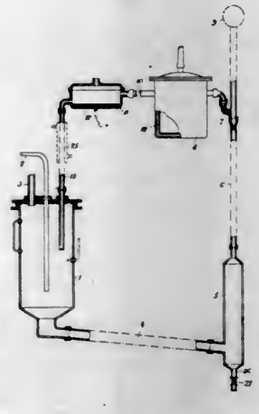
1. The combination with a traveling impression surface adapted to conduct a sheet or web, of a carriage movable toward and away from said impression surface, an oscillating member journalled upon said carriage, and operating mechanism for periodically moving said carriage and oscillating member to cause the latter to contact with and travel in the same direction and at the same speed as the impression surface.

1,501,501. WEB-PUNCHING MECHANISM. GEORGE W. SWIFT, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a Corporation of New Jersey. Filed Feb. 19, 1923. Serial No. 620,116. 14 Claims. (Cl. 164—99.)



1. In a machine of the character set forth, the combination of a pair of oscillatory shafts, means for axially oscillating said shafts, and means for intermittently moving one shaft toward and away from the other.

1,501,502. METHOD OF MANUFACTURING ACETALDEHYDE FROM ACETYLENE. ERIK GUSTAF THORIN, Mansbo, Avesta, Sweden, assignor to Stockholms Superfosfat Fabriks Aktiebolag, Stockholm, Sweden. Filed Dec. 3, 1920. Serial No. 428,067. 6 Claims. (Cl. 204—9.)

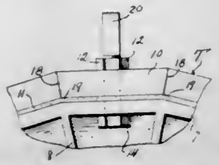


1. Method of manufacturing acetaldehyde from acetylene by using a catalytically acting reaction liquid containing mercury compounds formed by anodic dissolving of metallic mercury in the reaction liquid, which comprises removing the reaction liquid in a cyclic process from the reaction chamber, and while outside said reaction chamber purifying it, and by anodic oxidation enriching the same with mercury compounds and then again introducing said liquid into the reaction chamber.

1,501,503. QUARTZ MILL. EDWIN GUY TROWBRIDGE, Medford, Oreg., assignor to Medford Iron Works, Medford, Oreg., a Corporation of Oregon. Filed Sept. 27, 1922. Serial No. 590,893. 1 Claim. (Cl. 83—9.)

In a quartz mill, a rotary drum comprising heads having facets, staves secured upon the heads at the facets, and means for spacing the staves apart, said means con-

sisting of shims of angular formation insertible between the successive staves at their points of engagement with the heads, the shims including main portions interposed between the staves and other portions located



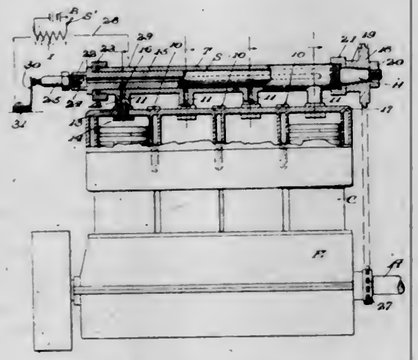
between the staves and the facets thereunder, the engagement of the second named portions beneath the staves resulting in moving them radially outwardly to an extent compensating for the thickness of the shim portions located between the staves.

1,501,504. MOTOR-METER LENS. HARLOW E. TRUAX, Bremerton, Wash. Filed Sept. 22, 1921. Serial No. 502,452. 2 Claims. (Cl. 88—1.)



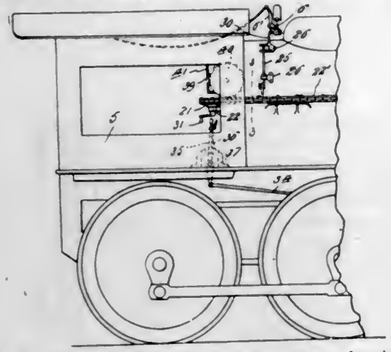
1. In a meter of the class described, a lens having centrally thereof a forwardly protruding vertically arranged ridge having the shape of a segment of a cone whereby light rays passing through the ridge are refracted vertically.

1,501,505. IGNITION MEANS FOR INTERNAL-COMBUSTION ENGINES. PERCY WALTERS, Yonkers, N. Y. Filed Feb. 28, 1922. Serial No. 540,016. 5 Claims. (Cl. 123—143.)



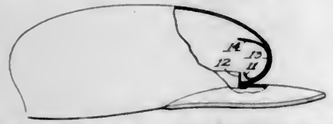
1. In combination, combustion cylinders, a rotary valve comprising a casing communicating with the explosive chamber of each cylinder, a hollow shaft within said casing having ports whereby the interior of said shaft may be brought into communication with the explosive chamber of each cylinder in the order of firing thereof, and means whereby a continuous spark may be maintained within said hollow shaft.

1,501,506. AUTOMATIC WHISTLE-ACTUATING MECHANISM FOR LOCOMOTIVES. ELDON R. WATKINS, Kingman, Kans. Filed July 11, 1923. Serial No. 650,752. 4 Claims. (Cl. 116—58.)



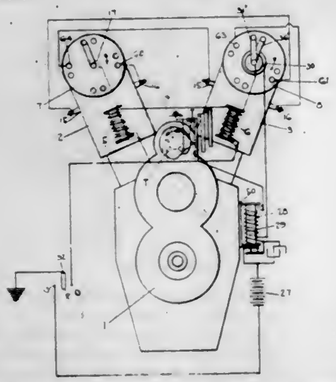
2. In combination with a locomotive wherein the same includes the usual signalling whistle, an endless chain operatively connected to the running gear of the locomotive, abutments upon the chain, and means operatively connected to said locomotive whistle to be engaged by said abutments during the movement of the chain for blowing said signalling whistle.

1,501,507. STIFFENER FOR CAPS. CAROLYN E. WETHERBEE, Gardner, Mass. Filed Feb. 28, 1923. Serial No. 621,943. 3 Claims. (Cl. 2—199.)



1. An article for the purpose described comprising a continuous curved body of sheet material adapted to be applied to the front of a cap inside above the visor to hold the cap in position and projecting on a gentle curve outwardly at both ends terminating in a pair of hollow curved conical horns fitting inside the cap.

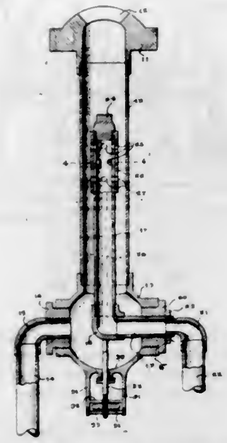
1,501,508. ELECTRICAL SYSTEM FOR AIRCRAFT. LIONEL M. WOOLSON, Dayton, Ohio, assignor, by mesne assignments, to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Nov. 14, 1917. Serial No. 201,974. 17 Claims. (Cl. 123—148.)



1. In an eight cylinder V-type internal combustion engine, in combination, two cylinder-blocks arranged at an angle to each other of substantially one-half the

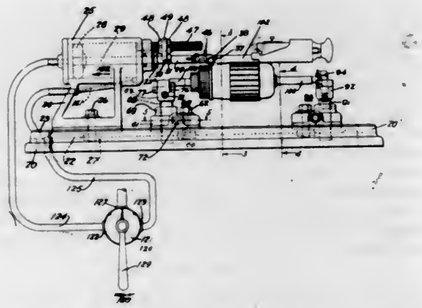
average angle between explosions, and an ignition system including an induction coil, and a cam for affecting said induction coil to build up uniform magnetic flux therein at intervals alternating in the ratio of one to three.

1,501,509. OIL BURNER. EDGAR R. WRIGHT, Glenrock, Wyo. Filed Sept. 17, 1923. Serial No. 663,241. 3 Claims. (Cl. 158—75.)



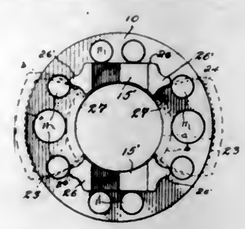
1. An oil burner comprising an elongated casing having a burner opening in one end and a steam inlet pipe in its other end, an oil pipe projecting into the casing and extending axially therein and being closed at its outer end and having laterally disposed openings therein for spraying the oil from the tube, a sleeve valve surrounding the tube and slidable longitudinally thereon and having similar openings adapted to register with the openings in the tube, and adjusting means for the sleeve valve operable exteriorly of the casing for moving the sleeve longitudinally upon the tube and adjusting the openings into and out of register with each other.

1,501,510. ARMATURE-CONSTRUCTING FIXTURE. ROBERT H. AHLERS, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 20, 1921. Serial No. 478,815. 11 Claims. (Cl. 29—84.)



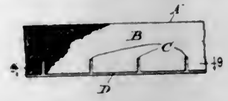
1. In a machine for power operating an armature making tool, the combination with a cylinder and a piston; of adjustable supports for rigidly holding the armature in desired position; and means associated with said piston for engaging the armature making tool in order that the tool will be moved by said piston.

1,501,511. CURB-BOX AND COCK SUPPORT. VICTOR E. BEAGLE, Alexandria, Va. Filed Mar. 23, 1923. Serial No. 627,200. 3 Claims. (Cl. 137—13.)



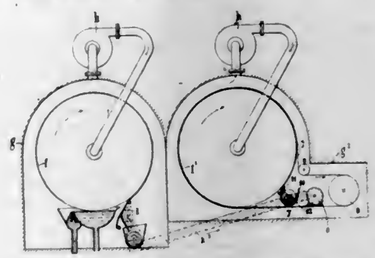
1. As an improved article of manufacture, a support for standard common curb boxes and cocks comprising a box-supporting base plate, a central ferrule element adapted to fit into the base of a box, and having lateral extensions from the sides adapted to lie in the side openings of such a box and engage and support boxes of various sizes, said extensions having channels therein extending from within and beyond the box, adapted to fit snugly the sides and to support the hexagonal ends of a cock, the ferrule being of a size to limit sliding movement of a cock on the medial line of the channels.

1,501,512. BUILDING MATERIAL. OSCAR A. BIGLER, Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company, a Corporation of Ohio. Filed Mar. 29, 1922. Serial No. 547,700. 3 Claims. (Cl. 108—7.)



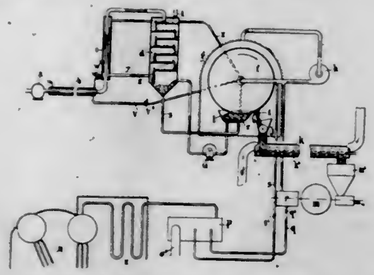
1. A building strip having a plurality of lateral lines of bituminous material arranged below the surface extending inward from one edge thereof, a straight continuous line arranged below the surface connecting all of said lateral lines so as to provide areas enclosed on three sides only all so arranged that the said continuous line will form one side of an enclosed area on the next adjacent strip.

1,501,513. DRYING PROCESS AND APPARATUS THEREFOR. TEODRON BOBERG, Clapham Park, London, England, assignor to Techno-Chemical Laboratories Limited, London, England. Filed Feb. 12, 1920. Serial No. 358,088. 9 Claims. (Cl. 159—12.)



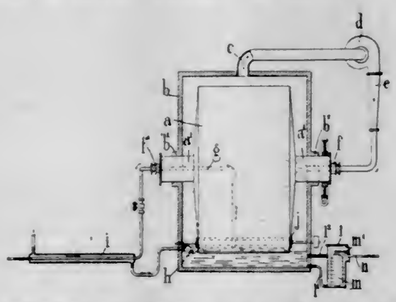
3. The method of evaporating liquids which consists in supplying wet matter to a suitable casing, picking up the matter from the supply in the lower part of said casing on a moving exterior surface of a closed vessel having a heat coducting wall thus raising a thin film of the matter from the supply onto said heat conducting wall, exhausting the vapours from the casing, compressing them mechanically to raise their temperature and returning them to the interior of the moving vessel.

1,501,514. DRYING PROCESS AND APPARATUS. THORN BOBERG, Clapham Park, London, England, assignor to Techno-Chemical Laboratories, Limited, Clapham Park, London, England. Filed May 19, 1926. Serial No. 382,521. 8 Claims. (Cl. 159—12.)



1. A method of drying material to be used for industrial purposes in stages by energy generated from the combustion of fuel, consisting in generating products of combustion, evolving vapour from the moist material upon a drying surface, utilizing part of the energy of said products of combustion to raise the temperature of said vapour by compression, heating the drying surface by applying said compressed vapour thereto and removing partly dried material from said drying surface, and mingling it with products of combustion of which part of the energy has been already utilized in order to complete the drying operation.

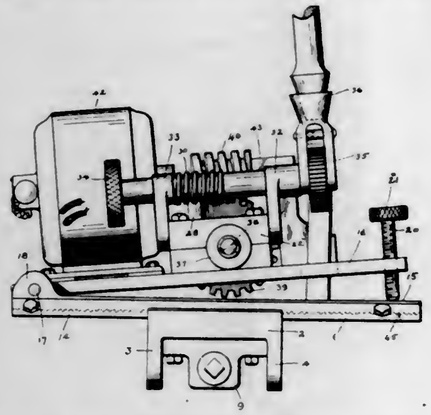
1,501,515. METHOD AND APPARATUS FOR EVAPORATING LIQUIDS. NILS TESTRUP, London, England, assignor to Techno-Chemical Laboratories Limited, Clapham Park, London, England. Filed Aug. 9, 1920. Serial No. 402,320. 8 Claims. (Cl. 159—12.)



4. Apparatus for carrying out a method of reducing the temperature difference required for transmitting heat through a partition for vaporizing liquids by the heat of their own vapour raised in temperature by compression, comprising in combination a moving heat transmitting partition, means for applying a thin film of liquid matter thereto, moving mechanism for withdrawing from one side and returning, at a higher temperature and reduced volume, to the other side of said partition vapour evolved from said film and means for dislodging deposited matter from both sides of said partition.

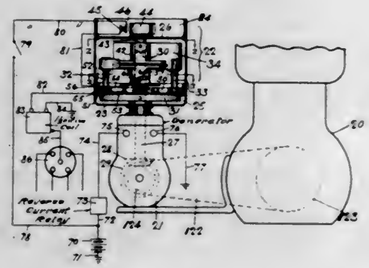
1,501,516. RAIL-DRILLING APPARATUS. HOMER C. ROSTIAN, East Rochester, N. Y., assignor of one-fourth to Jerome N. Marshall, one-fourth to William J. Sheehy, and one-fourth to Emily W. Joyce, all of East Rochester, N. Y. Filed Apr. 2, 1923. Serial No. 629,236. 9 Claims. (Cl. 77—8).

1. In a drilling apparatus for drilling rails, the combination of a bed plate, a runway formed on top of said bed plate, a stationary jaw formed at the front of said bed plate, a movable jaw co-operating with said stationary jaw to embrace the base of a rail and securely clamp said bed plate to the rail, a carriage adjustably mounted to slide in said runway parallel to the rail, a horizontal



spindle mounted to rotate on said carriage, a chuck carried on the end of said spindle, means adapted to rotate said spindle and means adapted to slide said spindle back and forth in said carriage during the rotation of said spindle.

1,501,517. IGNITION SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Oct. 23, 1918. Serial No. 259,378. 5 Claims. (Cl. 123—117.)

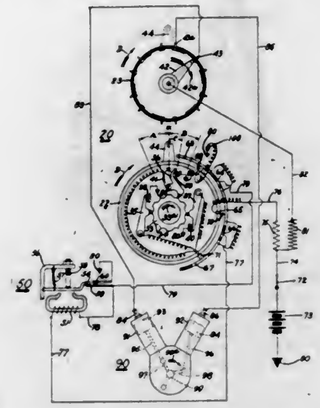


1. In an ignition system for internal combustion engines, the combination with a current source; of an ignition timer including a timer controlling member for controlling the advancing and retarding of the spark; an engine driven member; a switch and a switch operating member mounted to rotate with the engine driven member; centrifugal members mounted on the engine driven member and arranged to actuate the timer controlling member and the switch controlling member; and means for conducting current from a stationary part to the switch, said means comprising collector rings mounted to rotate with the engine driven member, and brushes mounted on the stationary part and cooperating with said rings.

1,501,518. IGNITION-SYSTEM CONTROL. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed May 9, 1919. Serial No. 295,862. 14 Claims. (Cl. 123—148.)

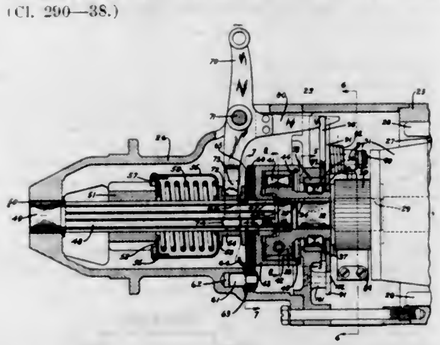
1. In an ignition system for internal-combustion engines, the combination with an engine; a source of current, an ignition coil and a timer; of a device cooperating

with said source of current and coil for producing a shower of sparks; and a controlling element for adjusting the timer of the ignition and for rendering either the



shower spark producing device or the timer operative to control the passage of current from the current source to the coil.

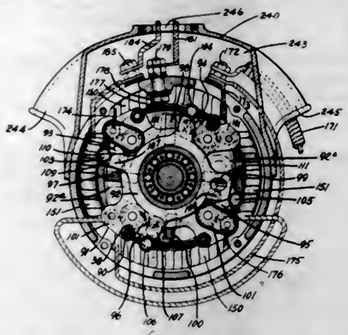
1,501,519. ENGINE-STARTING DEVICE. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Jan. 28, 1920. Serial No. 354,658. 22 Claims. (Cl. 290—38.)



6. In a starting device for internal-combustion engines, the combination with an engine having a gear, and a motor; of a shaft operated by the motor; a pinion slidably connected with said shaft and normally disconnected from the engine gear; a brake for said shaft; and manual means for releasing said brake and for shifting said pinion into engagement with said gear.

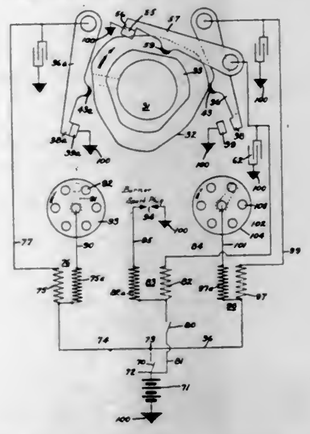
1,501,520. STARTING AND GENERATING SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 22, 1920. Serial No. 367,631. 2 Claims. (Cl. 290—38.)

1. In a starting system, the combination with an internal combustion engine and a storage battery; of a dynamo-electric machine operable as a motor to start the engine and having brushes each mounted on a movable brush arm each yieldingly urged toward the motor commutator by a spring; a pivotally mounted brush cam plate provided with projections each cooperating with a brush arm and each provided with a camming surface and with a stop surface normally maintaining a brush out of engagement with the commutator; shiftable gearing for connecting the machine with the engine; means for shifting said gearing including a member cooperating with said brush cam plate to release said brush arms



after the gearing has been substantially connected; and spring means for restoring the gear shifting means and the brush cam plate, causing the said camming surfaces to move the brush arms away from the commutator.

1,501,521. IGNITION SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 8, 1921. Serial No. 435,854. 6 Claims. (Cl. 123—148.)



1. In an ignition system for an internal-combustion engine provided with a fuel burner for auxiliary heating purposes, the combination with a current source; of engine ignition apparatus including an engine controlled circuit interrupter; burner ignition apparatus including an engine controlled circuit interrupter; and a common engine driven member including superposed cams for intermittently operating said interrupters, said cams and interrupters being constructed and arranged so that the ignition impulses provided for the engine will be greater in intensity than the ignition impulses provided for the burners.

1,501,522. AIRCRAFT OBSERVATION WINDOW. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 26, 1921. Serial No. 510,549. 2 Claims. (Cl. 244—31.)

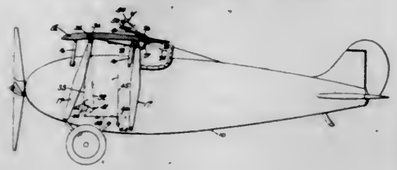
1. An airplane wing having upper and lower cambered surfaces spaced apart giving the wing an appreciable

thickness, and having an observation opening cut through both the upper and lower cambered surfaces, and a trans-



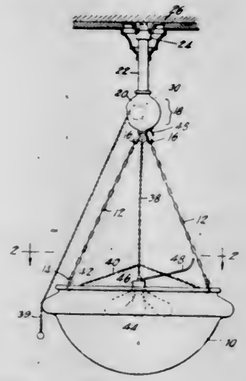
parent window for closing said opening, said window being positioned between the planes of the upper and lower cambered surfaces.

1,501,523. AIRPLANE. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed July 1, 1922. Serial No. 572,233. 8 Claims. (Cl. 244—29.)



1. In an airplane, a wing having a rigid upper surface and a movable lower flap, said flap being operable to increase the lift of the wing, means for actuating the flap, an auxiliary air vane interconnected with said flap, and means for utilizing the air pressure on said vane to balance the force necessary to actuate the flap during flight.

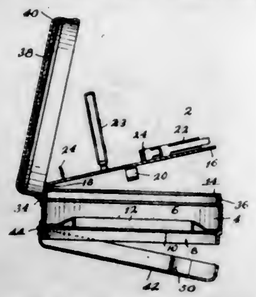
1,501,524. ADJUSTABLE LIGHTING FIXTURE. PHILIP J. COUSINS, Brooklyn, N. Y. Filed Feb. 4, 1922. Serial No. 534,009. 2 Claims. (Cl. 240—78.)



1. A lighting fixture including a fixed pendant, an incandescent lamp, a globe for said lamp, chains carried by said pendant directly connected to said globe and adapted to support it in one position and a flexible member arranged to be manually operated to simultaneously adjust the position of said globe and lamp and relieve said chains of the weight thereof, and means carried by said pendant for locking said flexible member in any desired position of adjustment.

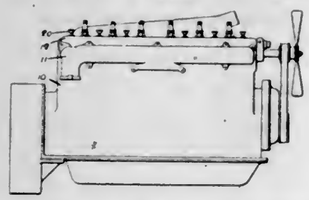
1,501,525. VANITY CASE. CECILE E. CROSWHITE, Kansas City, Mo. Filed Mar. 19, 1923. Serial No. 626,183. 3 Claims. (Cl. 132—83.)

1. In a device of the character described, a tubular body having an inturned margin, an inner lid hinged to and adapted to rest against said inturned margin, a coin receptacle carried by said inner lid, an outer lid hinged



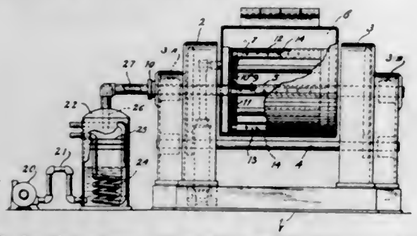
to the tubular body and adapted to close over said inner lid, and a mirror at the inner side of said outer lid.

1,501,526. PRIMING COCK. CHARLES R. SHORT, Dayton, Ohio, and REX C. DARNELL, Detroit, Mich., assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 3, 1920. Serial No. 400,951. 3 Claims. (Cl. 123—187.5.)



1. In combination, an engine having a passage through a wall thereof, a valve seat within said passage and a priming device, including a stem, removably secured in the aperture; the stem having a portion removed adjacent to and terminating in a valve adapted to engage the valve seat, the stem also being provided with a conduit affording communication between the exterior of the engine and the surface adjacent to the valve.

1,501,527. PROCESS OF MAKING BREAD. WILLIAM A. DARRAH, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,977. 7 Claims. (Cl. 99—10.)

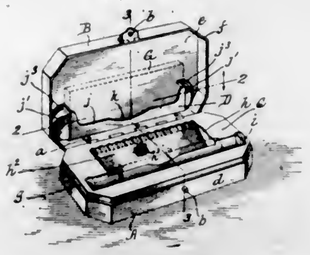


5. In the process of making dough the step which consists in forcing air rapidly through a solution containing yeast foods, removing the larger drops of said solution from said air, and passing the air containing traces of said yeast food solution into the dough.

1,501,528. DISPLAY CASE. JOSEPH DAVIS, Newark, N. J., assignor to The Insel Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 14, 1922. Serial No. 543,706. 3 Claims. (Cl. 206—16.)

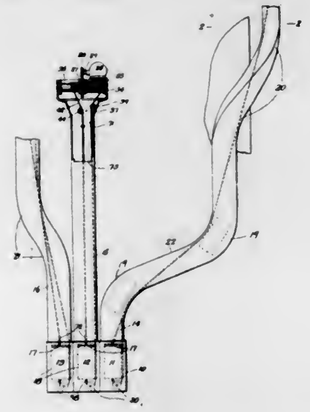
1. A display case embodying an encasing member composed of parts hingedly connected, and a bottom member fixedly attached to one of said parts, said bottom mem-

ber being provided with a plurality of recesses positioned adjacent to each other, one of said recesses being



bounded by a wall or panel inclined to the plane of the bottom member and said panel or wall being formed with a socket intermediate the ends of said wall.

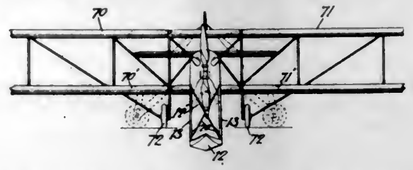
1,501,529. MAIL ELEVATOR. DANIEL A. DORAN, Yonkers, N. Y. Filed May 26, 1920. Serial No. 384,398. 12 Claims. (Cl. 187—4.)



5. An apparatus of the class described comprising a shaft, a mail box adapted to pass upwardly and downwardly through said shaft and normally located at the lower end portion thereof, means whereby mail may be placed in said box when in its normal position, a door at the upper end portion of said shaft and adapted to communicate with said mail box when in its raised position, means for mechanically raising and lowering said mail box in said shaft, an electric motor for operating said means, means for automatically controlling the circuit to said motor to control the movement of said mail box, two pulleys mounted at the upper end of said shaft, cables mounted on said pulleys and the free ends of which are connected with the top and bottom of said mail box, and means for rotating said pulleys in opposite directions whereby said mail box may be mechanically raised and lowered in said shaft.

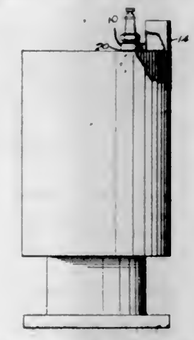
1,501,530. AIRPLANE. IVAN H. DRIGGS, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 12, 1921. Serial No. 514,468. 4 Claims. (Cl. 244—2.)

3. In an amphibian airplane having a fuselage and main wings, in combination, retractable float means for landing on water attached to said fuselage, wheel means for landing on land attached to said main wings and



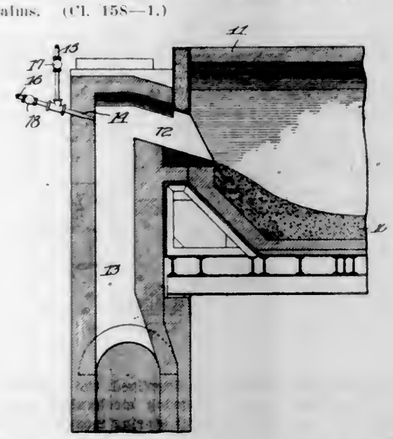
being independent of said float means, and means for folding the main wings together with said wheel means back alongside the fuselage.

1,501,531. INTERNAL-COMBUSTION ENGINE. WILLIAM B. EARNSHAW, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 15, 1920. Serial No. 417,218. 7 Claims. (Cl. 123—169.)



1. The combination with an air cooled combustion engine cylinder of means for cooling the spark plug, the means comprising a copper plate attached to the cylinder but heat insulated therefrom, said plate being provided with means for attaching the spark plug and also with cooling fins disposed within the current of cooling air.

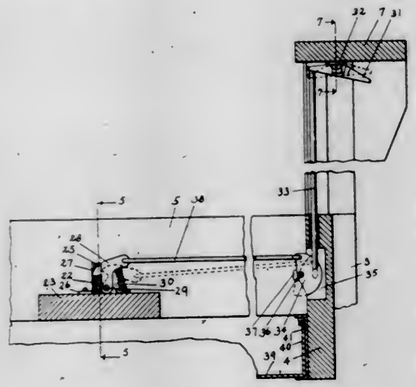
1,501,532. FURNACE. NICKOLAS F. EGLER, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,773. 8 Claims. (Cl. 158—1.)



1. The process of operating a reversing open hearth furnace consisting of supplying air to the mixing port, supplying liquid fuel under pressure to a point adjacent

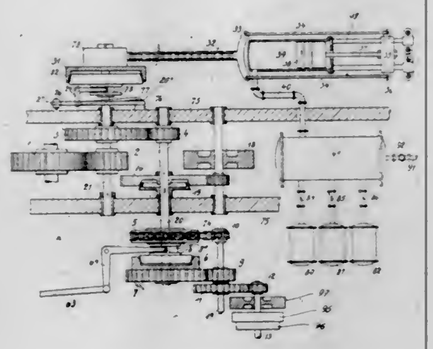
said mixing port, supplying a combustible gas under pressure to said point, mixing the gas and liquid fuel in a confined space, and spraying and directing the mixture into said mixing port.

1,501,533. ADJUSTABLE CHAIR. LOUIS FEASEL, Sturgis, Mich. Filed Nov. 18, 1921. Serial No. 516,083. 3 Claims. (Cl. 155—161.)



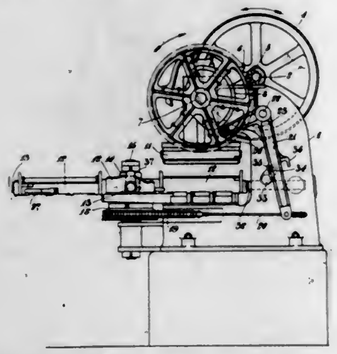
1. In a chair, the combination with a frame comprising side bars, arms, and a supporting bar extending from front to rear, of an adjustable back pivotally mounted on said frame, a downwardly projecting arm on said back provided with a curved lower end having a segmental slot therein, a toothed slide mounted on said bar and having a pin engaging said slot in said arm, an inverted U-shaped housing embracing said slide and having a transverse slot therein, a detent pivotally mounted on said supporting bar at the side of said housing to engage said slide through said slot in said housing, and means for manually releasing said detent.

1,501,534. REVERSIBLE MACHINE. OTTO FORKEL, Berlin-Weissensee, Germany. Filed May 20, 1922. Serial No. 562,543. 18 Claims. (Cl. 74—98.)



2. In a machine of the class described, the combination, with the driving means, reversing mechanism, and the member to be reversed, of power storing means interposed between said driving means and member to be reversed, and means under control by said member to be reversed to throw said power storing means into and out of operation.

1,501,535. ROOFING-TILE PRESS. NILS FREDRIKSSON, Stockholm, and HERMAN ALFRED EDVARD HÄRSTEDT and KARL GUSTAF LINDBERG, Svedala, Sweden, assignors to Aktiebolaget Abjörn Anderson, Svedala, Sweden, a Company of Sweden. Filed July 24, 1922. Serial No. 577,115. 6 Claims. (Cl. 25—70.)



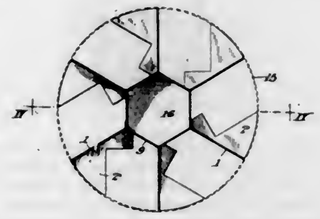
1. In a roofing-tile press the combination of a vertically movable press head, and a plurality of lower moulds capable of turning in unison around a vertical axis so as to be movable one after the other to pressing position below said press head, each of said lower moulds being separately capable of turning around a horizontal axis substantially radial and perpendicular to said first named axis.

1,501,536. FLOWING DEVICE FOR WELLS. LOUIS FRIEDMAN, Muncie, Ind., and DAVID WALLACE, Tulsa, Okla. Filed June 10, 1922. Serial No. 567,262. 5 Claims. (Cl. 162—1.)



1. A flowing device for oil wells including an outer shell closed at its upper end, an outflow pipe extending from the said upper end of the shell, a barrel connected to and depending within the shell having its upper portion closed, one or more pressure tubes within the barrel having their upper ends opening through the upper closed portion of the barrel and into the outflow pipe, and having their lower ends opening through the wall of the barrel and into the shell, and one or more outflow tubes in the barrel having their upper ends opening through the upper closed portion of the barrel and into the outflow pipe.

1,501,537. BOX PARTITION. GEORGE H. FRITZSCHE, Brooklyn, N. Y., assignor to Beautebox, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 18, 1922. Serial No. 595,347. 4 Claims. (Cl. 229—28.)



1. An article of the character described comprising, a plurality of blanks folded so as to form a plurality of pockets, said blanks being adapted for mutual engagement whereby each holds the other in position, and another blank adapted to brace the previously named blanks and serve as a bottom for one of said pockets.

1,501,538. BUILDER'S HARDWARE AND METHOD OF MAKING SAME. RICHARD H. GARDNER, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,682. 5 Claims. (Cl. 41—30.)



1. The method of manufacturing builders' hardware which consists in casting the article to be made from a non-corrosive material, then pounding it to make surface depressions, then painting the same with a black paint, or lacquer, then rubbing the device with emery cloth or the like to remove the lacquer from the high surfaces and finally rubbing the device over with transparent wax.

1,501,539. REMOVABLE BRIDGE FOR TEETH. HARRY A. GOLLOBIN, New York, N. Y. Filed June 16, 1922. Serial No. 568,751. 7 Claims. (Cl. 32—12.)



1. A removable bridge attachment including coacting bridge and abutment members, the bridge member comprising a head and shank, and a separate friction spring having a horizontal branch permanently united to the bottom of the bridge member and a free vertical branch extending along the outer face of the head of the bridge member, the head having a groove along its outer face for permitting the free vertical branch of the spring to be forced thereinto.

1,501,540. REMOVABLE BRIDGE FOR TEETH. HARRY A. GOLLOBIN, New York, N. Y. Filed June 16, 1922. Serial No. 568,752. 3 Claims. (Cl. 32—12.)



1. A removable bridge attachment including coacting bridge and abutment members, the bridge member having an L-head, and a separate L-shaped friction spring having its horizontal branch permanently united to the bottom of the bridge member and its free vertical branch extending along the outer face of the head, the head having a groove along its outer face for permitting the free vertical branch of the spring to be forced thereinto.

1,501,541. PACKING. CHARLES C. HALL, Kalamazoo, Mich. Filed July 16, 1923. Serial No. 651,883. 2 Claims. (Cl. 154—45.5.)



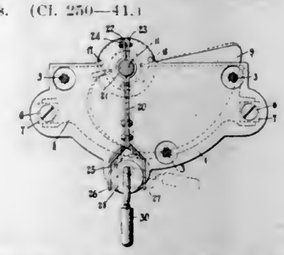
1. A packing comprising a sheet of copper and a sheet of lead crumpled, coated with lubricant, superimposed and rolled together into a scroll so that the lead is at the outside, and compacted.

1,501,542. PACKING. CHARLES C. HALL, Kalamazoo, Mich. Filed July 16, 1923. Serial No. 651,884. 2 Claims. (Cl. 154—45.5.)



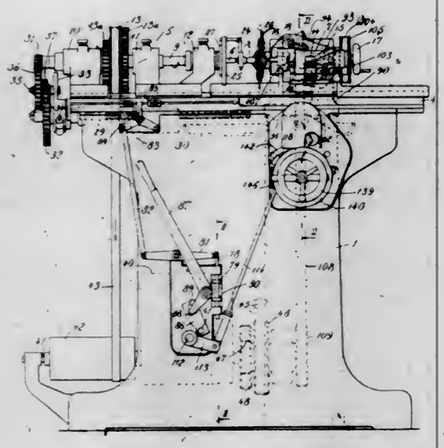
1. A packing comprising a sheet of aluminum and a sheet of copper crumpled, coated with lubricant, superimposed and rolled together into a scroll so that there is copper at the outside, and compacted.

1,501,543. VARIABLE CONDENSER. LLOYD A. HAMMARLEND, New York, N. Y., assignor to Hammarlund Mfg. Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 28, 1922. Serial No. 603,793. 6 Claims. (Cl. 250—41.)



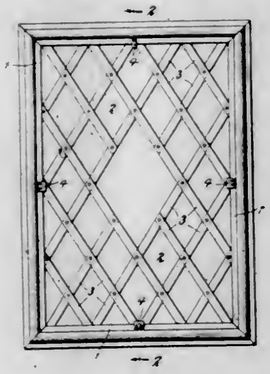
1. In an electric current controlling instrument, primary means including a rock shaft for bringing the instrument into an approximate adjustment, and secondary means including a swinging arm pivoted on and frictionally engaging the rock shaft and a cam operable to swing said arm for turning said rock shaft, to bring the instrument into a more accurate adjustment.

1,501,544. THREAD-GRINDING MACHINE. ANDERS E. LARSSON, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 16, 1918. Serial No. 222,928. 21 Claims. (Cl. 51—95.)



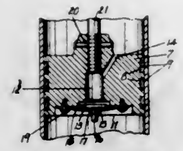
1. The combination in a thread grinding machine, of means including a longitudinally movable headstock and spindle for holding and rotating a blank to be ground, a rotatable grinding wheel for grinding threads on the blank, a rotatable lead screw connected with the headstock for longitudinal movement therewith, a fixed nut engaging the lead screw, gearing connecting the spindle and the lead screw, and means for driving and periodically reversing the spindle and thus reversing the lead screw and the headstock.

1,501,545. COLLAPSIBLE WINDOW GRILLE. NINA H. PIFFARD-FRANCIS, New Rochelle, N. Y. Filed Oct. 26, 1921. Serial No. 510,646. 2 Claims. (Cl. 189—76.)



1. The combination with a window sash or frame and a pane of glass having a continuous flat surface permanently set or retained at its edges in said sash, of a paneled frame applied directly in engagement with the flat surface of the window pane and simulating by its panels the individual lights of a leaded window and means on the window sash or frame for detachably securing said paneled frame in position against the continuous surface of the window pane.

1,501,546. AIR PUMP. FRANK B. SHAW, Caledonia, Mich., assignor of one-half to Clyde C. Pierson, Wayland, Mich. Filed Aug. 25, 1922. Serial No. 584,228. 3 Claims. (Cl. 103—225.)



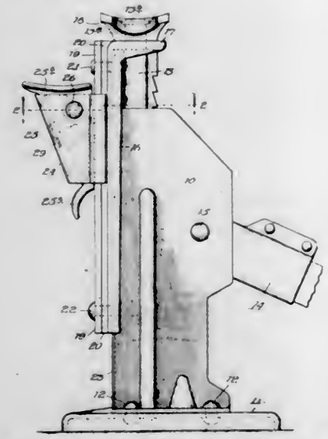
1. A structure of the class described comprising a cylindical metal piston provided with a piston ring and having a recess in its lower end with a central bore extending therefrom and shouldered to provide a downwardly facing valve seat, there being a passage leading from the upper end of said piston to said bore, a metal disk valve having a downwardly projecting stem, and a strap-like valve holder secured within said recess across said valve seat and having a guide opening for said stem.

1,501,547. TOILET ARTICLE. MELDA E. BASSETT, Los Angeles, Calif. Filed Mar. 31, 1923. Serial No. 629,175. 3 Claims. (Cl. 132—78.5.)



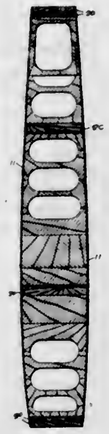
1. A toilet article comprising a body having a powder puff of buffed hair protruding from one face thereof, and a transverse extensible handle adapted for concealment within said body.

1,501,548. ADJUSTABLE STEP JACK. JOHN W. BATE, Racine, Wis. Filed June 4, 1923. Serial No. 643,248. 3 Claims. (Cl. 254—108.)



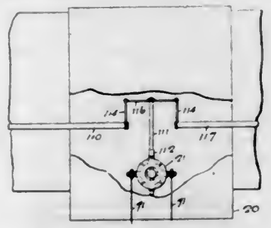
1. In a jack, a vertically movable lifting member, a track secured thereto forming a lifting unit, said unit having a series of notches therein, a bracket slidably mounted on said track, a step hingedly mounted on said bracket, a lug on said step, and means for yieldingly holding said lug in engagement with said notches.

1,501,549. AEROPLANE STRUCTURE. MILTON C. BAUMANN and HOWARD M. RINEHART, Dayton, Ohio, assignors to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed July 28, 1920. Serial No. 399,517. 12 Claims. (Cl. 244—12.)



1. In an airplane, a load supporting or control plane composed chiefly of longitudinally extending substantially I-section wood members positioned laterally in such close relation that the upper and lower surfaces of said members determine the contour of the top and bottom surfaces of the plane.

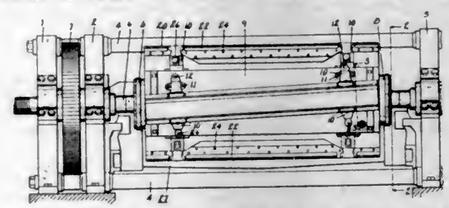
1,501,550. STANDARD STICK CONTROL. MILTON C. BAUMANN, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 3, 1920. Serial No. 400,975. 14 Claims. (Cl. 244—29.)



1. An aeroplane having braking means adapted to hold ailerons and elevators in adjusted position, and a second braking means simultaneously operable with the first named braking means to hold the rudder in adjusted position.

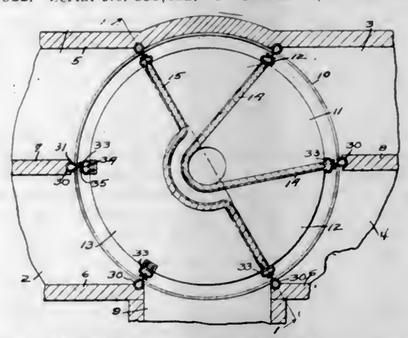
1,501,551. MACHINE FOR CUTTING VENEER. JOHN W. BEIGER, Mishawaka, Ind., assignor to Beiger Veneer Company, Kelso, Wash. Filed Nov. 21, 1923. Serial No. 676,062. 8 Claims. (Cl. 144—214.)

1. In a rotary veneer cutting machine, the combination of a square timber stay log supported by the spindles, pairs of vise-like clamps disposed in diagonal relation on the face thereof, pairs of oppositely facing, obliquely disposed longitudinal jaws supported by the said clamps having inwardly projecting longitudinal lips, oppositely disposed pairs of angle bar supports for the said jaws each with a vertical member secured to the said jaws and the horizontal members disposed towards the other in overlapping relation, and screw clamp means for the said jaws, the same being adapted to hold blocks or beams of timber in such relation as to be



acted upon by the usual cutting knife of the said veneer cutting machine whereby veneer strips are cut from the beams or blocks successively in rotation.

1,501,552. GAS AND AIR REVERSING VALVE. WILLIAM G. BERGMAN, Point Place, Ohio. Filed Nov. 6, 1922. Serial No. 599,482. 10 Claims. (Cl. 137—148.)

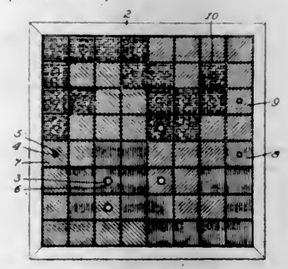


10. A gas sealing means for gas apparatus comprising a plurality of nozzle members having slits, means for supplying water under pressure to the nozzle members, and troughs for receiving water from the slits.

1,501,553. PROCESS OF PREPARING RAW LINEN FOR BLEACHING OPERATIONS. CARL BOCHTER, Gunzburg, Germany. Filed May 12, 1922. Serial No. 560,463. 3 Claims. (Cl. 8—2.)

1. The process for preparing raw linen for the bleaching operations which consists in immersing raw linen in aqueous solutions of bisulphites of alkali metals, separating the linen from the liquid, treating the linen with acids capable of decomposing the bisulphites absorbed by the linen and washing out the acids retained by the linen with water whereupon the bleaching operation is carried out.

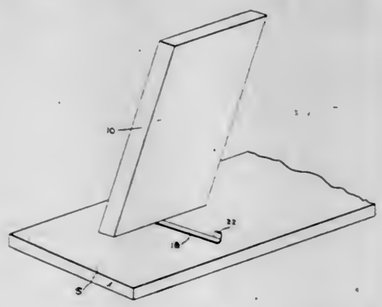
1,501,554. PUZZLE. WILLIAM H. BRUNN, Waterloo, Iowa. Filed June 30, 1923. Serial No. 648,719. 3 Claims. (Cl. 46—41.)



1. A puzzle, comprising a board having a number of pegs fixed thereon in a predetermined arrangement, and a larger number of differently distinguished blocks, some

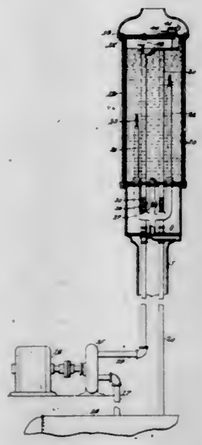
of which have holes to receive said pegs, the unapertured blocks when placed in a certain association with the apertured blocks producing therewith identically contoured and distinguished congeries of blocks.

1,501,555. SUPPORT FOR MOTTOES AND THE LIKE. GEORGE E. BUZZA, Minneapolis, Minn. Filed Feb. 4, 1924. Serial No. 690,435. 3 Claims. (Cl. 40—146.)



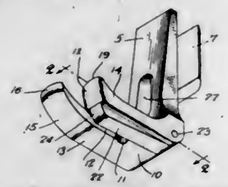
1. A support for mottoes and the like comprising a frame and an arm of resilient material pivotally attached to the lower margin of the frame, the resiliency of said material holding said arm against the frame when swung in position parallel thereto.

1,501,556. GASOLINE VENDER. FRANK D. EWING, Cedar Rapids, Iowa, assignor of one-half to Otis W. Gibson, Cedar Rapids, Iowa, and one-half to W. A. Norton, Marshalltown, Iowa. Filed Dec. 9, 1919. Serial No. 343,626. Renewed Jan. 25, 1924. 6 Claims. (Cl. 221—100.)



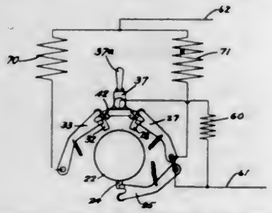
1. A gasoline vender, comprising a receiver having means to prevent the contents from rising beyond a given level, one or more service outlets adjustable at lower levels than said given level, a connected discharge hose, a filling pump and motor, means for actuating the motor, a hose-suspending device, means releasable by the hose-suspending device for actuating the motor, and means connecting said hose-suspending and motor-actuating means, whereby the hanging up of the hose starts the motor.

1,501,557. PRESSER FOOT. HARRY HELLER, New York, N. Y. Filed Dec. 17, 1921. Serial No. 523,147. 4 Claims. (Cl. 112—235.)



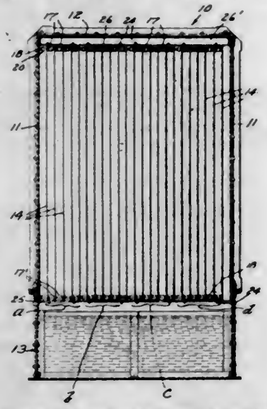
1. A presser foot comprising a shank suited for attachment to a presser foot bar, said shank having a relatively wide front portion extending below the bar and containing a wide elongated opening permitting the passage of light, and a forked plate extending at an angle forwardly from said shank adapted to contact with material entered therebelow.

1,501,558. ELECTRIC MOTOR. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 26, 1923. Serial No. 665,024. 5 Claims. (Cl. 172—179.)



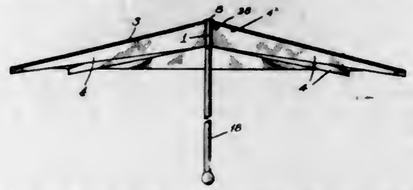
1. An electric motor comprising in combination, a plurality of field windings; a resistance element; a commutator; a stationary brush; movable brushes each connected with a field winding; resilient means for moving said brushes into engagement with the commutator; and an operating element adapted normally to hold the movable brushes out of commutator engagement but operable to permit the resilient means to move one of the brushes into commutator engagement and at the same time connect the resistance unit in parallel with the commutator engaging brushes.

1,501,559. AIR WASHER. EDGAR O. KAUP, Seattle, Wash., assignor to Western Blower Company, Seattle, Wash., a Corporation of Washington. Filed Dec. 3, 1923. Serial No. 678,197. 2 Claims. (Cl. 183—75.)



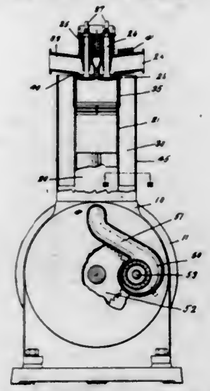
1. In apparatus of the character described, the combination of a casing, provided interiorly with bar elements, a plurality of corrugated eliminator plates disposed between said bars, U-shaped members interposed between the adjacent plates for retaining the latter in spaced relations with each other to afford tortuous passages between the adjacent corrugated plates, means extending through said plates and the spacing members for detachably connecting them together as a unit, and fastening means engaging said spacing members and the respective casing bars for removably securing a unit within the casing.

1,501,560. UMBRELLA. OTIS KEAN and ALBERT R. WILSON, New York, N. Y., assignors to Paperbrella Corporation, a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,264. 15 Claims. (Cl. 135—20.)



1. In a device of the character described, the combination of a single cylindrical vertical support, a plurality of frame members comprising rigid flat strips hingedly connected thereto at their inner ends, with their widthwise dimensions vertical, in such manner as to lie side by side in planes parallel to the axis of said support, when closed, and to swing about said support into radiating positions with their inner ends abutting against said support, when opened, and a flexible covering extending over said frame members.

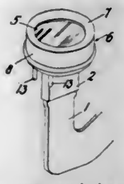
1,501,561. ENGINE CONSTRUCTION. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 21, 1919. Serial No. 305,782. 12 Claims. (Cl. 123—171.)



1. In an engine: a cylinder comprising a barrel portion and a head portion; a superstructure carried by said head portion; and insulating material between the head portion and the superstructure.

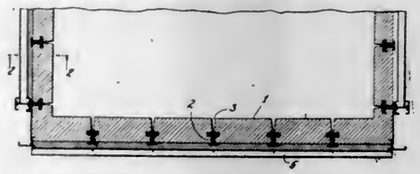
1,501,562. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 23, 1919. Serial No. 319,430. 1 Claim. (Cl. 197—102.)

In a typewriting machine, a type-key comprising an open-top cup having a bottom and an upstanding marginal flange, a key-paper loosely contained in the cup and overlying the botom thereof, a cover-glass loosely contained in the cup and resting on the key-paper, a ring having a skirt removably fitting over the marginal flange of the cup from the top and provided at its top with an inturned flange to engage the margin of the cover-glass to hold the cover-glass and the key-paper in the cup, said skirt having a lower marginal portion projecting downwardly below the bottom of the cup and provided with an internal annular groove, a spring-wire expansible



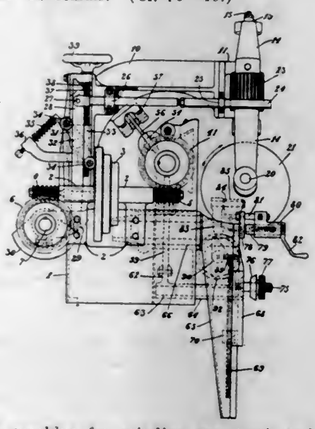
catch-device under the cup and having projections to engage in said groove and having portions between said projections free of said groove and engaging the bottom of the cup, so as to retain the ring on the cup, and a pair of spaced finger-pieces carried by the catch-device and projecting therefrom downwardly under the cup to be squeezed together for contracting the catch-device to disengage said projections from said groove, to enable the ring to be lifted off the cup for changing the key-paper.

1,501,563. WALL FOR BOILER FURNACES. JOHN H. LAWRENCE, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Apr. 1, 1921. Serial No. 457,599. 3 Claims. (Cl. 72—106.)



1. A boiler furnace wall built of brickwork in sections with vertical structural members in the outer portion of the wall and with spaces between the inner portions of the adjacent ends of such sections.

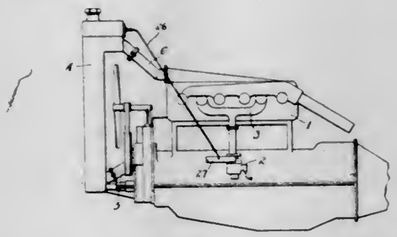
1,501,564. MACHINE FOR GRINDING SAW TEETH AND THE LIKE. JOHAN OSCAR LIFFLANDER, Stockholm, Sweden, assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden, a Company of Sweden. Filed July 13, 1922. Serial No. 574,688. 16 Claims. (Cl. 76—40.)



1. In a machine for grinding saw teeth and the like, the combination of a rotary grinding disk, a holder for the saw blade to be ground, means for producing move-

ment relatively to one another of said grinding disk and said holder, means for successive feeding of the saw blade, driving means, and means adjustable during the operation of the machine for transmitting motion from said driving means to said movement producing means and said feeding means in such manner that on adjustment the movements of each of said two last-mentioned means are simultaneously altered in the same proportion.

1,501,565. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JOHN P. LIPPERT, East Cleveland, Ohio. Filed Jan. 23, 1922. Serial No. 531,131. 3 Claims. (Cl. 123—25.)



1. The combination with an internal combustion engine, of a radiator operatively connected with the water jacket of said engine, a thermostatically controlled valve positioned in said radiator adjacent the upper end thereof and below the normal liquid level, a housing enclosing said valve, a conduit connected to said housing and extending above the normal liquid level in said radiator, and a second conduit connected with said valve and with the air intake of the engine carburetor.

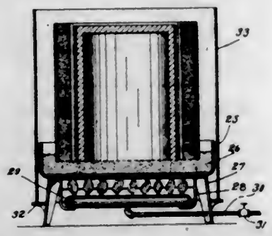
1,501,566. LINING FOR CEMENT-DRYING KILNS. JOHN L. LUNDBERG, Alpena, Mich., assignor to Huron Industries, Inc., Alpena, Mich., a Corporation of Michigan. Filed July 8, 1922. Serial No. 573,530. 7 Claims. (Cl. 34—6.)



4. In a cylinder for drying lime stone, the combination of an outer shell and a plurality of metal cylinder segments some of which have inwardly projecting radially extending webs forming lifters for raising the lime stone and bolts and nuts for detachably bolting said segments through the outer shell so that an individual segment may be removed without disturbing the others.

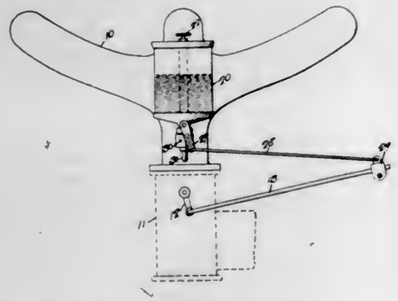
1,501,567. JOINING METALS. THOMAS MIDGLEY, Jr., Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 29, 1920. Serial No. 354,770. 3 Claims. (Cl. 113—112.)

1. The method of joining fins to an engine cylinder which consists in forming a core containing said fins, and having the inner ends of the fins unprotected; placing the cylinder within the core and in properly spaced relation to the unprotected ends of the fins; damming the lower end of the space between the cylinder and core to



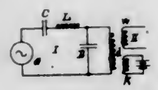
prevent the flow of molten soldering material therethrough; and pouring molten soldering material within said space.

1,501,568. ANILINE INJECTOR. THOMAS MIDGLEY, Jr., Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 15, 1920. Serial No. 417,162. 10 Claims. (Cl. 123—119.)



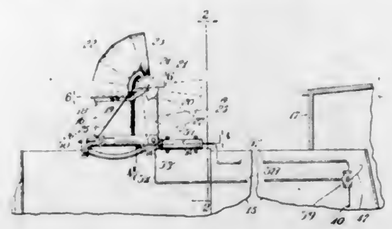
1. The process of preventing knock in internal-combustion engines which comprises adding aromatic hydrocarbon derivatives containing an NH_2 group to the fuel-air mixture only at such times as the actual compression pressure equals or exceeds the critical compression of the fuel.

1,501,569. FREQUENCY-MULTIPLIER SYSTEM. MENDEL OSNOS, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hellesches, Berlin S. W. 11, Germany, a Corporation of Germany. Filed Aug. 8, 1922. Serial No. 580,521. 3 Claims. (Cl. 172—281.)



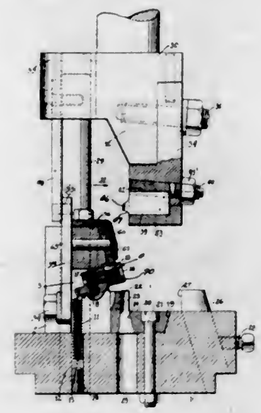
1. An alternating current system comprising a highly saturated iron reactance, a secondary circuit for withdrawing current from the reactance and means for supplying current to the reactance, the reactance being of such size and means for supplying the current to the reactance being so constituted that the time required for the magnetization of the reactance to rise from zero to the knee of the saturation curve is to the time of one-fourth period of the basic wave of the alternating current system substantially as 1 is to the desired multiple of the basic frequency, substantially as described.

1,501,570. LOCOMOTIVE SMOKE DEFLECTOR. FRED. L. PERKINS, San Bernardino, Calif. Filed June 26, 1922. Serial No. 571,015. 3 Claims. (Cl. 110—184.)



1. The combination of a smoke stack, a deflector pivotally mounted on the stack for directing the smoke in a substantially horizontal direction, a drum rotatable with said deflector about its pivotal mounting, a flexible connector extending about said drum, and means for moving said flexible connector in opposite directions for rotating said drum and said deflector for moving the deflector into and out of operative position above said stack.

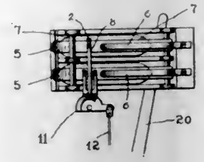
1,501,571. MEANS FOR CASTELLATING NUTS. ERNEST REICH and JOHN J. BOSSHARD, Chicago, Ill., assignors to The Hill Pump Valve Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 21, 1919. Serial No. 284,137. 13 Claims. (Cl. 10—72.)



1. In a machine of the class described, a vertically reciprocating punch, a carrier normally holding nut blanks in slanting position, to permit entry of the punch into the nut bore, a die arresting the movement of the nuts when the latter have the longitudinal axis in horizontal position, and wedging means for maintaining said die in proper position.

12. A punching machine including a punch, two object engaging members for positioning an object, one of said members having a formation for turning the object to present a new position thereof to the punch, and mechanism for effecting relative movement between the member having the object turning formation and the object engaged thereby to turn the object during the time that the punch is free of the object and to cause an opposite relative movement between said member and the object for the purpose of resetting said member preparatory to another turning movement while the punch is engaged with the object.

1,501,572. SAFETY-SHUTTLE-CONTROL ATTACHMENT FOR TEXTILE LOOMS. JAMES SHAW and WILLIAM H. HARRISON, Paterson, N. J., assignors of one-third to Jere L. Wentz, Passaic, N. J. Filed Aug. 21, 1922. Serial No. 583,150. 4 Claims. (Cl. 139—184.)



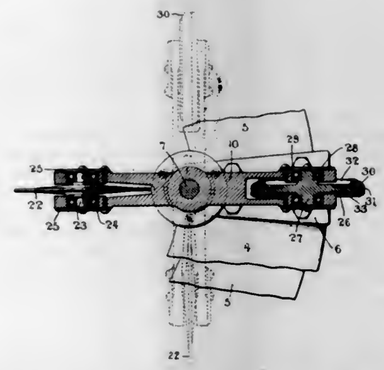
4. The combination of a loom of a plurality of shuttle boxes, means adapted to obstruct a shuttle box immediately after a shuttle is discharged therefrom and to simultaneously open a box to receive a shuttle.

1,501,573. PORCH-FLOOR PROTECTOR. ISAIAH H. TAYLOR, Baltimore, Md. Filed Dec. 31, 1921. Serial No. 526,367. 1 Claim. (Cl. 20—6.)



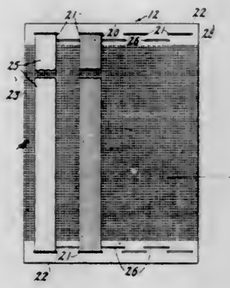
A protector for porch floors comprising an angle iron having one angle resting on the top of the boards forming the floor and the other angle projecting downwardly and resting against the ends of the said boards, said downwardly projecting angle extending below the ends of said boards, a metal strip disposed under the ends of the said boards and means for securing the angle iron and metal strip in clamping position on the ends of said boards.

1,501,574. FABRIC-LAYING ATTACHMENT FOR TIRE-MAKING MACHINES. JOHN E. THROPP, Trenton, N. J., assignor to The deLaski & Thropp Circular Woven Tire Company, Trenton, N. J., a Corporation of New Jersey. Filed June 13, 1919. Serial No. 303,965. 3 Claims. (Cl. 154—10.)



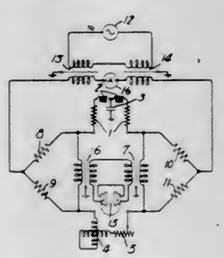
1. A device of the character described comprising, a support, a cross head pivoted to swing thereon, a fabric laying roller mounted at each end of the cross head to rotate in a plane substantially at right angles to the plane of swinging movement of the cross head, and means for locking the said cross head with either of said rollers presented to the work.

1,501,575. CARBON PAPER. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Jan. 27, 1920, Serial No. 354,475. Divided and this application filed Feb. 12, 1921. Serial No. 444,307. 16 Claims. (Cl. 282—28.)



1. A manifolding sheet comprising a carbon-sheet having a perforation, and a narrower overlying sheet connected to the carbon-sheet by a part passing through the perforation and holding said narrower sheet in position over the carbon-sheet to prevent the underlying portion of the carbon face of the carbon-sheet from contacting with a work-sheet.

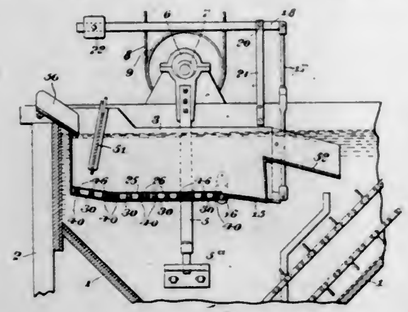
1,501,576. ELECTRICAL TESTING SYSTEM. DONALD F. WHITING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,286. 10 Claims. (Cl. 175—183.)



10. An impedance measuring bridge for lines having an admittance to ground, comprising a pair of terminals, a source of alternating current, shielded transformer means associating said source with the terminals the shielding of said means being grounded and in condensive relation with the winding of said means, a line of unknown impedance located symmetrically with respect to said terminals, said line having an admittance to ground, an adjustable impedance also located symmetrically with respect to said terminals, transformer means associated with the unknown and adjustable impedances, and current indicating means associated with the transformer means whereby no portion of the current from said source passes through said admittance to ground.

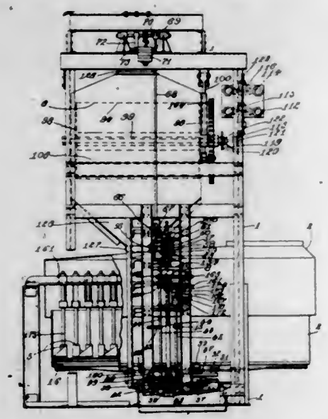
1,501,577. COAL JIG. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Dec. 23, 1921. Serial No. 524,343. 5 Claims. (Cl. 83—80.)

1. In apparatus of the character described, the combination of a jig pan having a perforated bottom, a plurality of members secured to the said jig pan and situated underneath the said pan in contiguous relation to each other, said members respectively forming with the bottom of the said jig pan chambers and each of said members having openings through the bottom thereof, valves for controlling the passage of water through said open-



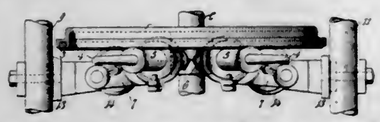
ings, and means for guiding said valves in their movements and retaining them in operative relation with respect to said openings.

1,501,578. MIXING MACHINE. LEVIGNE M. ZEPP, Baltimore, Md. Filed Mar. 10, 1923. Serial No. 624,087. 12 Claims. (Cl. 83—73.)



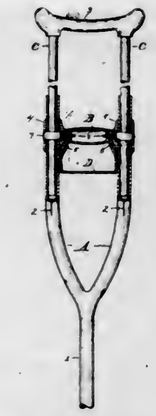
6. In a mixing machine rotary mixing means, weighing mechanism delivering to the mixing means, means for supplying material thereto, means for opening and closing the supply, and timing mechanism controlling said latter means.

1,501,579. SPINDLE-DRIVING MECHANISM. EUGENE ATWOOD, Stonington, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a Corporation of New Jersey. Filed Feb. 9, 1923. Serial No. 618,014. 8 Claims. (Cl. 118—46.)



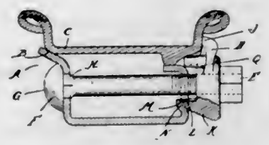
1. A spindle driving wheel, its shaft, a friction driving ring rigidly secured circumferentially on the vertical face of said wheel, a laterally swinging spindle having a whorl disposed radially to said shaft, and means for yieldingly holding the spindle whorl against said ring.

1,501,580. CRUTCH. ROBERT BEAM, Kalamazoo, Mich., assignor to H. M. Lowe, Battle Creek, Mich. Filed Oct. 13, 1921. Serial No. 507,564. 4 Claims. (Cl. 135—50.)



4. In a crutch, the combination with oppositely-disposed slidably fitted side portions, of forked members having aligned openings enclosing said slidably-fitted side portions, each of said forked members having an offset with a centrally-disposed opening, clamping bands encompassing said slidably-fitted side portions intermediate the forks of said members and having stems through the openings of said offsets, a handle adapted to receive the ends of said stems, and means interposed between said handle and said offsets on said stems whereby said handle may be adjustably fitted between said forked members and whereby said slidably-fitted side portions may be adjusted as expedient.

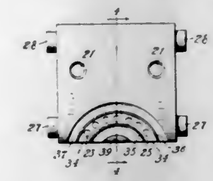
1,501,581. DEMOUNTABLE-RIM-SECURING DEVICE FOR VEHICLE WHEELS. WILLIAM N. BOOTH, Detroit, Mich. Filed June 20, 1918. Serial No. 240,931. 11 Claims. (Cl. 301—24.)



1. The combination with a demountable rim, of a felly forming a seat for said rim and provided with a metallic plate on the side opposite to said seat, said plate having a portion sheared and struck inward to a depth less than the thickness of the plate forming a recess with an inclining face and a shoulder, and means for securing said rim to its seat, comprising a clamping lug provided with a heel for engaging said recess and bearing upon said inclined face, said shoulder forming a stop for limiting and exactly positioning said clamping lug.

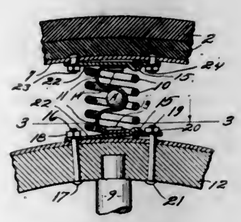
1,501,582. SHEET SEPARATOR. EDWARD CHESHIRE, Berlin Township, Waukesha County, Wis., assignor to Michle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1921. Serial No. 464,432. 22 Claims. (Cl. 271—26.)

1. A separator foot formed with a portion for resting on the sheet, a suction space having a sealing edge wholly disposed above the plane of said portion, whereby a part of the sheet is lifted to engage said sealing edge, and a cavity adjoining said sealing edge on the opposite



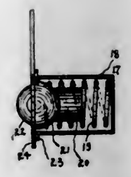
side thereof from said suction space, said cavity being disposed so as to be open to the atmosphere when a sheet is sealed against said edge.

1,501,583. SPRING WHEEL. WALLACE CHILDS, Kansas City, Mo. Filed May 28, 1923. Serial No. 642,034. 4 Claims. (Cl. 152—32.)



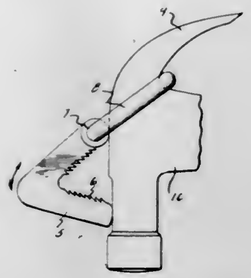
4. In a vehicle wheel such as specified and shown: a coil wire spring, a corrugated spring placed in the convolutions of said coil wire spring, one end of each pair of said springs fastened to the inner tire, and the other end of the pairs of said springs fastened to the outer or peripheral tire, and means to fasten said springs together and to each of said tires substantially as and for the purposes specified and shown.

1,501,584. STOP FOR WINDOW SASH. SIBBEL T. COX, Omaha, Nebr., assignor to Ernest A. Wolff, Omaha, Nebr. Filed Sept. 1, 1922. Serial No. 585,803. 1 Claim. (Cl. 292—75.)



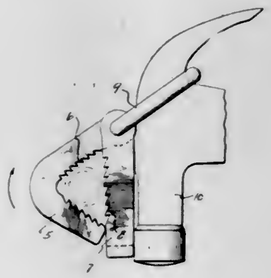
In a stop for a window frame and a slidingly mounted window sash, an apertured strip on the stile of the sash, a plunger on the frame and provided with a socket, a ball in the socket, means on the plunger for moving the ball and socket outwardly of the frame toward said apertured strip, and an elongated, resilient plate having an aperture for receiving a part of the ball, said plate having one of its ends attached and having its opposite end detached from the frame for limiting the movement of the ball and socket outwardly of said frame.

1,501,585. WRENCH ATTACHMENT FOR HAMMERS. ERNEST E. CULLEN, New Baltimore, Mich., assignor of one-half to George E. Vernier, Fair Haven, Mich. Filed May 29, 1922. Serial No. 564,551. 2 Claims. (Cl. 81—98.)



1. A device of the character described having a V-shaped body portion provided with teeth on its inner faces, and a link pivotally secured at one extremity to the body portion and formed as a closed loop of sufficient area to hook over and only exteriorly contact the ordinary hammer head.

1,501,586. TRIPLE-JAWED WRENCH ATTACHMENT FOR HAMMERS. ERNEST E. CULLEN, New Baltimore, Mich., assignor of one-half to George E. Vernier, Fair Haven, Mich. Filed May 29, 1922. Serial No. 564,552. 3 Claims. (Cl. 7—1.)

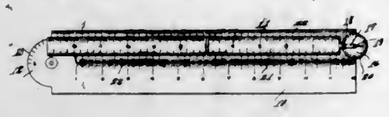


1. A wrench attachment for hammers and the like, having a link adapted to be removably secured upon a hammer head, a jaw portion pivotally mounted upon the link and adapted to rest against the forward extremity of the hammer head, and a V-shaped body portion pivoted upon the link and movable relatively to said jaw portion.

1,501,587. TITANIC OXIDE CONCENTRATE AND METHOD OF PRODUCING THE SAME. CHARLES A. DOREMUS, New York, N. Y., assignor to Titanium Pigment Company, Inc., New York, N. Y., a Corporation of Maine. Filed Nov. 8, 1922. Serial No. 599,656. 14 Claims. (Cl. 23—13.)

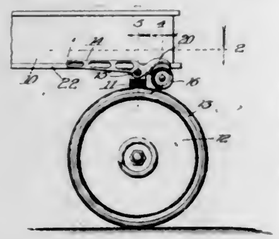
1. In the treatment of titaniferous-ferruginous materials to extract therefrom titanic oxide the steps which consist in digesting said materials in hydrofluoric acid, withdrawing the resulting solution from undecomposed portions and treating it to production of titanic oxide.

1,501,588. MEASURING INSTRUMENT. JOSEPH D. ELLISON, Pittsburgh, Pa. Filed Sept. 13, 1922. Serial No. 588,026. 1 Claim. (Cl. 33—98.)



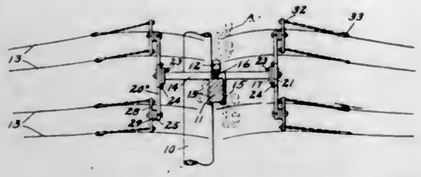
In a rule including a blade having a longitudinally extending dove-tailed slot in one face thereof, a dove-tail block slidable in said dove-tail slot, a protractor carried by said dove-tail block and having its zero and 180° marks coincident with the center line of the blade, an arm pivoted centrally of said protractor and carrying a pointer transversing the scale of the protractor, and a blade fixed to said arm to revolve therewith.

1,501,589. BRAKE FOR COASTER WAGONS. HOWARD J. FERRIS, Harvard, Ill., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Oct. 22, 1923. Serial No. 670,045. 3 Claims. (Cl. 188—20.)



1. A brake for rubber tired wheels comprising a lever, a roller curved to fit the periphery of said wheel and rotatably mounted on said lever, a shoulder on said lever adapted to bear against said roller on the opposite side from said wheel, a rib on said lever, said roller being made of two parts lying one on each side of the rib, and a shaft passing through said rib and carrying said roller parts.

1,501,590. TEMPORARY SUPPORT FOR TELEPHONE WIRES. VICTOR C. FLOYD, Huntington Park, Calif., assignor of one-half to William Glndorff, Los Angeles, Calif., and one-tenth to Guy Cochran, Los Angeles, Calif. Filed June 2, 1921. Serial No. 474,409. 10 Claims. (Cl. 175—376.)



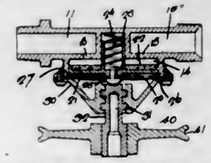
6. In a temporary support for wires, a rail adapted to be supported by a cross arm, transversely disposed arms pivotally connected to the ends of said rail, said cross arms having hinged portions, secondary arms pivotally connected to the hinged portions of said first mentioned arms, wire engaging means carried by said secondary arms, means for locking the first mentioned arms to the ends of the rail, and means for locking the secondary arms to the ends of the first mentioned arms.

1,501,591. HEADBAND FOR USE IN CONNECTION WITH BATHING CAPS. ANNA L. GAGE, Minneapolis, Minn. Filed Nov. 5, 1923. Serial No. 672,776. 4 Claims. (Cl. 2—68.)



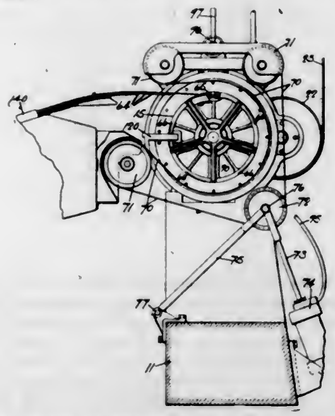
1. A separate head band for use in connection with bathing caps comprising a casing of chamois containing a layer of resilient material, said band having free ends adapted to be fastened together for securing the band in place on the head.

1,501,592. VALVE. HARVEY D. GEYER, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1920. Serial No. 426,636. 3 Claims. (Cl. 251—31.)



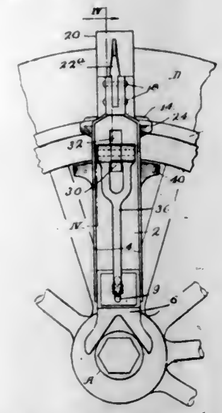
1. A leak proof valve mechanism, including a valve chamber having inlet and outlet openings thereto and a flexible wall, a valve operable within said chamber to open or close said openings on a movement of said flexible wall, means for moving said valve and flexible wall, and means for sealing the valve when at its open position to prevent leakage from said valve chamber independently of the flexible wall.

1,501,593. COILED RIM AND METHOD OF MAKING IT. HARVEY D. GEYER and JOHN W. LEE, Dayton, Ohio, assignors to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 8, 1923. Serial No. 623,592. 7 Claims. (Cl. 144—309.)



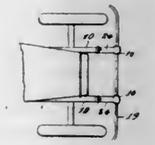
1. The method of making a laminated rim including arranging a plurality of relatively thin strips of fibrous material one on top the other but with their ends spaced apart an appreciable distance, applying glue or the like to said strips, coiling a flexible band around the outer periphery of the coil thus formed and securing it in place to prevent the strips from unwinding, allowing the glue to dry sufficiently and then removing the flexible band from the coil.

1,501,594. ANTISKID DEVICE. DAVID H. GOOD, Kansas City, Mo. Filed May 3, 1923. Serial No. 636,487. 4 Claims. (Cl. 301—50.)



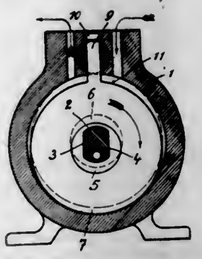
3. An antiskid device of the character described consisting of an arm having means at one end for engaging the hub of a wheel and antiskid means at its opposite end, jaws associated with said arm to coact with the hub-engaging means in securing the device to a wheel, means associated with the arm to cause said jaws to firmly engage the opposite sides of the wheel, and a fork on the arm for extending between two spokes of the wheel.

1,501,595. BUMPER. JOSEPH C. GRIFFIN and WALTER JEAN, Los Angeles, Calif. Filed May 7, 1923. Serial No. 637,137. 6 Claims. (Cl. 293—55.)



1. In a bumper for vehicles, the combination of a bumper bar, a head having a transverse slot receiving the bar, and having a seat adjacent one edge of the bar, a supporting bracket carried by the vehicle frame with means for clamping the same to the head adjacent the seat, the end of said bracket and said head having an interlocking connection, and said bracket having a nose for exerting pressure to clamp the bar in the slot.

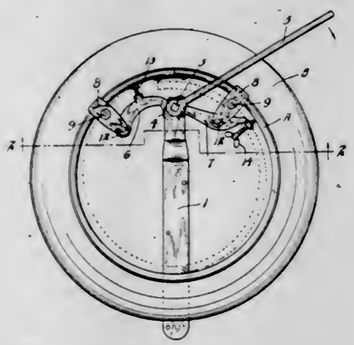
1,501,596. ROTARY BLOWER AND ROTARY ENGINE. MAX GÜTTNER, Schmolln, Germany. Filed July 11, 1922. Serial No. 574,215. 2 Claims. (Cl. 230—30.)



1. In a high speed rotary blower and engine, a casing provided with end walls, a shaft journalled in said casing, a plurality of axially movable pistons arranged in

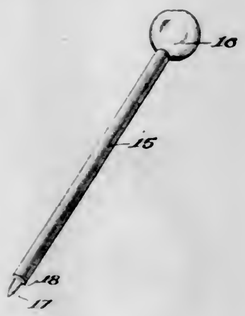
said casing and displaced relative to one another, extensions carried by said pistons pivotally mounted in said casing, eccentrics movable longitudinally on said shaft and coacting with said pistons, removable partitions between the pistons and betwen the latter and the end walls of the casing, and adjustable members adapted to vary the mutual pressure exerted between the partitions, pistons and casing end wall.

1,501,597. RIM BREAKING, CONTRACTING, AND EXPANDING DEVICE. CHARLES O. HALLING, Milan, Minn. Filed June 28, 1922. Serial No. 571,420. 4 Claims. (Cl. 157—1.)



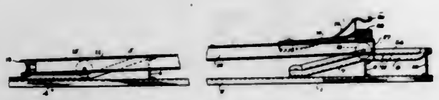
1. A rim breaking, contracting and expanding device having in combination, a pair of rim clamping devices adapted to clamp the rim at each side of the joint thereof, a pair of swinging means pivotally connected thereto, a member swingable about an axis extending substantially at right angles to the plane of the rim, said axis being disposed betwen said clamping members to which said swinging means are also pivotally connected, means on one of said swinging members contacting the rim between the clamping member and the end thereof, and means on the other swinging member adapted to contact the rim on the side of the clamping member away from the joint.

1,501,598. CAN PUNCH. JOHN MARTIN HANSON, Los Angeles, Calif. Filed Aug. 11, 1922. Serial No. 581,139. 1 Claim. (Cl. 164—124.)



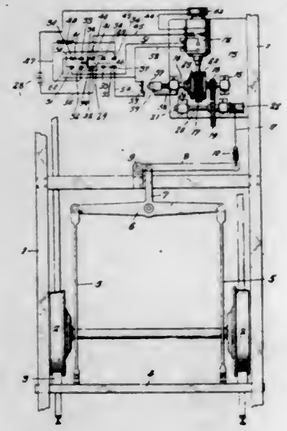
A can punch comprising a shank having a spherical handle on one end and having the other end reduced in cross section and extended to provide a pointed prong and a limiting shoulder at the junction of the shank and prong.

1,501,599. AUTOMOBILE ELEVATOR. ELIZABETH G. HARRIS, Los Angeles, Calif. Filed July 6, 1923. Serial No. 649,889. 4 Claims. (Cl. 254—88.)



1. In a vehicle elevator, including inclined tracks and a carriage for co-operation therewith, an inclined resilient member secured to the forward end of said carriage, a projection on the forward end of said member, and a cam portion carried by said member intermediate the ends thereof and adapted to be engaged by a portion of the vehicle being raised.

1,501,600. MEANS FOR OPERATING THE BRAKES ON VEHICLES. EDWARD V. HARTFORD, Deal, N. J.; Henrietta P. Hartford administratrix of said Edward V. Hartford, deceased. Filed Apr. 22, 1912, Serial No. 692,488. Renewed Jan. 14, 1920. Serial No. 351,496. 6 Claims. (Cl. 188—162.)

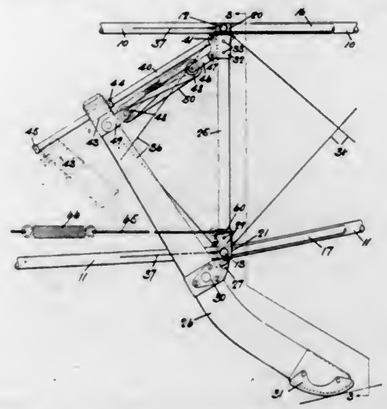


1. The combination in a vehicle, of running gear therefor, brake-applying instrumentalities operating thereon, a high-speed motor for operating said instrumentalities, means automatically controlling the amount of motive power transmitted to the brakes, a storage battery for energizing said motor, a fly wheel carried by the armature of said motor, a brake for said fly wheel, and means for controlling the application of said brake to said fly wheel.

1,501,601. TAIL SKID. ELWOOD H. HERATG, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed June 9, 1922. Serial No. 567,035. 7 Claims. (Cl. 244—2.)

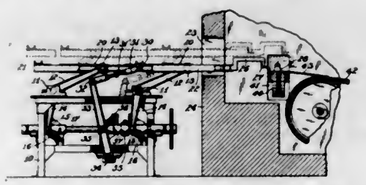
7. In combination, a rigid body, a ground skid having universal mounting upon said body, said skid being yieldably held in normal position when not under load,

and stop means engaging said skid to prevent excessive deflection thereof in two directions, said stop means



including a rigid member pivotally mounted upon said body and guided by the upper portion of said skid, and stop means on said member for engaging said skid.

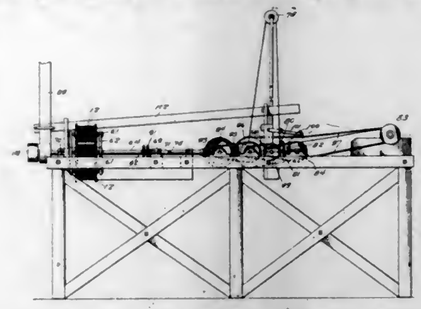
1,501,602. LEER FEEDER. MINOT K. HOLMES, Muncie, Ind., assignor to Hemingray Glass Company, Muncie, Ind., a Corporation of Kentucky. Filed Nov. 20, 1922. Serial No. 602,270. 9 Claims. (Cl. 198—31.)



3. A leer feeder comprising a main frame, a pair of rock shafts journaled on said main frame, a pair of arms carried by each rock shaft, each of said arms being provided with a push frame support, a push frame slidably mounted upon said push frame supports, a main drive shaft, cam mechanism on said shaft, connections between part of said cam mechanism and the rock shafts and connections between another part of said cam mechanism and the push frame whereby rotation of the shaft will produce vertical and horizontal reciprocations of the push frame, and means for relatively adjusting the cam mechanism to adjust the push frame vertically.

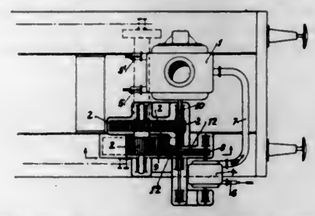
1,501,603. MACHINE FOR MANUFACTURING WIRE — CABLE. AMASA G. HOOVENS, Goshen, Ind. Filed May 26, 1923. Serial No. 641,636. 1 Claim. (Cl. 117—20.)

In a machine for making wire rope, a plurality of parallel rotary shafts, a plurality of take off spools carried by each shaft and revolving therewith, means cooperating with said shaft for twisting wire strands fed from the said spools together to form ropes, including a shaft carrying a plurality of pull-out pulleys around each of which one of said ropes pass, an elevated shaft carrying a plurality of guide pulleys around which said ropes pass from the pull-out pulleys, a plurality of stub shafts approximately axially aligned and at right angles to the shafts of the take-off spools, a receiving spool removably mounted upon each end of each stub shaft, an endwise slidable reciprocatory distributor rod common to the receiving spools and carrying a plurality of guide pulleys around which the ropes pass from the last named guide pulleys, and drive means including a power shaft



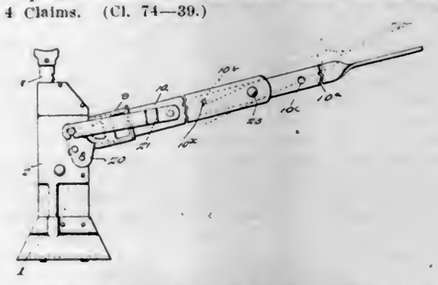
common to and having driving connections with the shafts of the receiving and take-off spools, the shaft of the pull-out pulleys and said distributor rod.

1,501,604. TURBINE-DRIVEN LAND VEHICLE. CONRAD KOHLER, Zurich, Switzerland. Filed Mar. 17, 1922. Serial No. 544,544. 8 Claims. (Cl. 105—38.)



1. A land vehicle, comprising in combination, a main turbine adapted to drive the vehicle under normal running conditions, an additional turbine supplied only with live steam serving to drive the vehicle during the starting period and during the running of the vehicle at speeds below a determined running speed and transmitting its driving power through a larger transmission ratio than the main turbine for the purpose of obtaining a better utilization of the energy inherent to the steam, and means for cutting said additional turbine in and out during the respective running conditions.

1,501,605. LIFTING JACK. GEORGE LANE, Poughkeepsie, N. Y. Filed Dec. 29, 1923. Serial No. 683,473. 4 Claims. (Cl. 74—39.)



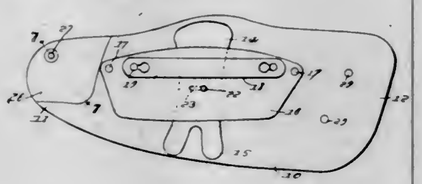
1. A folding handle for lifting jacks comprising a pair of handle members having overlapping parts provided with alining openings, a pivot pin passing through said openings and having a head spaced from one of said members, and spring means interacting between said head and said last named member tending to keep said members pressed against each other, one of said members having a projection spaced from said pivot pin and the other a locking recess to receive said pin.

1,501,606. METAL AIR PROPELLER AND THE LIKE. HENRY LEITNER, London, England. Filed Jan. 21, 1922. Serial No. 530,845. 1 Claim. (Cl. 170—139.)



A screw propeller of the kind described, formed from two sections of sheet metal folded to form the edges of the blade, the said two sections being joined by a longitudinal mechanical seam extending along each side of the blade.

1,501,607. ARCH SUPPORT. FRANK S. LEWIS, Denver, Colo. Filed Jan. 4, 1922. Serial No. 526,923. 2 Claims. (Cl. 36—71.)

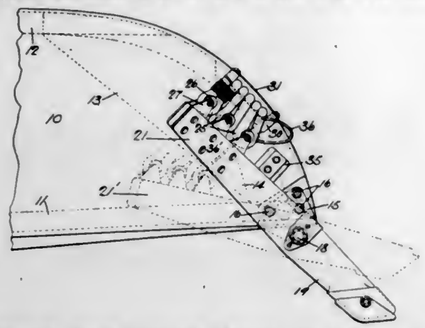


1. A foot arch support having a shell provided with longitudinal and transverse spring plates of which the former is upwardly arched to reinforce the shell and the latter terminally upturned to protect the cuboid and scaphoid of the foot, the transverse member having a floating connection with the longitudinal member for adjustment longitudinally of the shell.

2. A foot arch support having a shell of limited yielding properties provided with a longitudinally disposed arch spring plate provided on the under-surface with spaced studs, and a triangularly shaped retaining element formed with a keyhole slot adjacent the apex for engagement with one of said studs, and a plurality of keyhole slots disposed adjacent the shorter base and arranged in a series in the direction of the length of said shorter base, each slot of said series being a greater distance from the shorter base than the preceding slot for selective engagement with the remaining stud to vary the limit of flexion of the plate.

1,501,608. LANDING SKID FOR AMPHIBIAN AIRCRAFT. ROBERT P. LEWIS, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 30, 1922. Serial No. 532,676. 7 Claims. (Cl. 244—2.)

3. In an amphibian aircraft, in combination, a float having a wedge shape rear end, a fitting attached thereto substantially at its rearmost tip, a tail skid pivoted to the fitting and having its upper part offset so that its path of movement is at the side of said float, and shock



absorbing means extending between the upper part of the skid and the float for holding the skid in its normal position.

1,501,609. VEHICLE-UNLOADING TRUCK. HERBERT J. LINDEN, Johnstown, Pa. Filed Oct. 23, 1923. Serial No. 670,281. 4 Claims. (Cl. 280—1.)



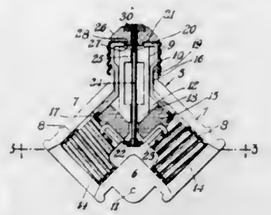
1. A truck for unloading vehicles from freight cars including a wheeled truck frame equipped with a vehicle chassis engaging superstructure, said superstructure being movable into a substantially horizontal plane, to suspend the chassis in a corresponding position, and being collapsible to permit contact of the vehicle wheels with the supporting surface.

1,501,610. APPARATUS FOR POLISHING GRAIN. HOMER TIPTON MCGILL, Stuttgart, Ark. Filed Apr. 28, 1924. Serial No. 709,621. 17 Claims. (Cl. 83—29.)



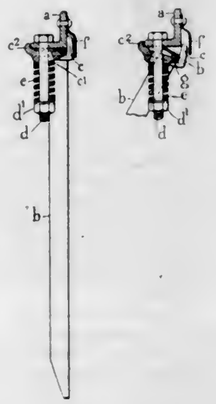
1. In an apparatus of the character described, a hollow rotary polishing drum of open formation, a fan operating within the drum for forcing air outwardly therethrough, and means independent of the fan for forcing air into one end of said drum.

1,501,611. MULTIPLE LAMP SOCKET. SETH G. MALBY, Woodmont, and NATHANIEL WARREN SPAULDING, Ansonia, Conn., assignors to Charles H. Jockmus, Ansonia, Conn. Filed Oct. 29, 1921. Serial No. 511,275. 6 Claims. (Cl. 173—335.)



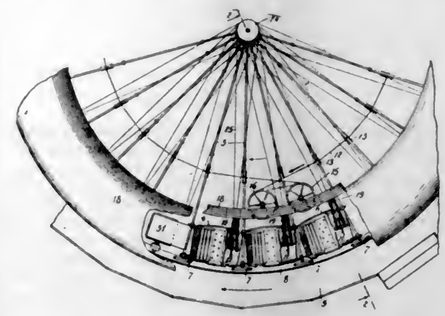
1. The combination in a multiple lamp socket of a casing having contact shell-receiving openings formed therein, and provided with abutments, with a self-sustaining electrical unit comprising contact shell supports, contact shells associated with said supports and arranged within said openings, a conductor plate engaging said supports and having its ends disposed in a coaxial relation with respect to said shells and adapted to function as central contacts therefor, the supports being arranged intermediate said abutments and said conductor plate, and tensioning means adapted to exert a thrust upon said conductor plate when the same is assembled in the aforesaid combination of elements for maintaining said shell supports in firm engagement with said abutments.

1,501,612. SPRING CLIP FOR TINES FOR SIDE-DELIVERY RAKES AND SWATH TURNERS. WILLIAM EDWARD MARTIN, Stamford, England. Filed July 3, 1923. Serial No. 649,263. 7 Claims. (Cl. 56—400.)



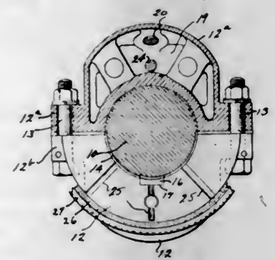
1. In a rake for a side delivery rake and swath turner the combination of a rake head, a bolt passing vertically through and fixed to the rake head, a nut on the lower end of the bolt, a perforated movable clip cut away in front of the bolt, a spring surrounding the bolt and located between the nut on the bolt and the said movable clip, through which latter the bolt passes, a flat tine located between the clip and the rake head, a seating on the clip for the flat tine and lugs fitting in front of the rake head, said clip normally pressing the flat tine against the rake head and so formed that it is adapted to rock on its rear edge when the tine encounters an obstruction, substantially as set forth.

1,501,613. AMUSEMENT RIDE. HYLA FREDERICK MAYNES, Gaines, Pa., assignor, by direct and mesne assignments, to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed Dec. 18, 1922. Serial No. 607,522. 27 Claims. (Cl. 46—27.)



1. In an amusement ride having a travelling passenger car or train, the combination with the car or train of a canopy adapted to be moved into concealing position between the car or train and spectators, means for moving the canopy during the ride into concealing position, and means for connecting the moving car or train with the canopy moving means.

1,501,614. ADJUSTABLE THRUST BEARING. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,500. 9 Claims. (Cl. 64—25.)



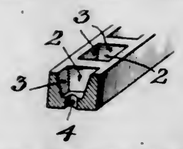
1. In a device of the character described, a shaft having a threaded portion, a member on the shaft and subjected to pressure tending to move it longitudinally of the shaft, an internally threaded thrust collar engaging the threads of the shaft, a key in the collar having threads adapted to engage the threads of the shaft, and means to press the threads of the key into the threads of the shaft.

1,501,615. OVERLAY FOR HALF-TONE PRINTING. JOHN B. NEALE, Battle Creek, Mich., assignor of one-half to Fred W. Gage, Battle Creek, Mich. Filed Sept. 17, 1921. Serial No. 501,320. 5 Claims. (Cl. 101—407.)



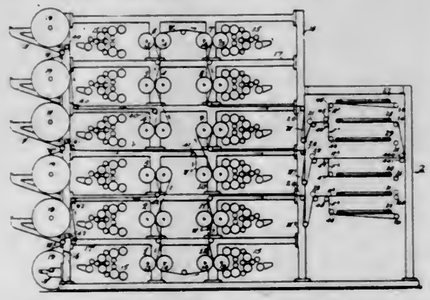
1. For an overlay comprising a body a resilient working surface, and means applied to said surface whereby it is permitted to yield in a direction perpendicular to the printing surface but prevented from stretching or flowing laterally.

1,501,616. FINGER RING. BENJAMIN OGUSH, New York, N. Y., assignor to Katz & Ogush, Inc., New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,921. 1 Claim. (Cl. 63—28.)



An article of the class described comprising a ring consisting of a single flat strip of material forming an annulus, said strip having a flat inner face, said strip also having a plurality of separated independent recesses in its inner flat face, said recesses converging towards the outer face of the annulus and having inclined faces and terminating at a point intermediate of inner and outer face of the annulus, and gem-holding perforations in registration with said recesses and extending from the outer termination of said recesses to the outer face of the ring.

1,501,617. PRINTING MACHINE. GEORGE E. PANCOAST, New York, N. Y. Filed Jan. 4, 1922. Serial No. 526,999. 14 Claims. (Cl. 270—5.)



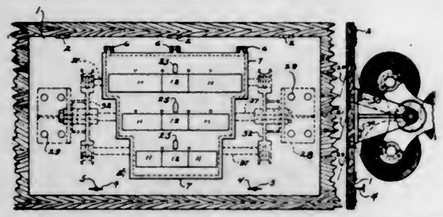
1. In a printing machine, the combination of a plurality of web perfecting mechanisms capacitated to print a plurality of webs in black or in color, or in black and color, a folder at one side of the perfecting mechanisms, and web guides arranged to turn a web and lead it to the folder, or lead the web past or away from the folder for reversal and then back to the folder, said web guides also being arranged so that certain of the webs may have a longer path than others and may be led around outside other webs for positioning them relatively to the other webs.

1,501,618. SAWDUST GRATE BAR. ARTHUR JAMES PARSONS, Mobile, Ala. Filed Apr. 14, 1922. Serial No. 552,498. 4 Claims. (Cl. 126—167.)



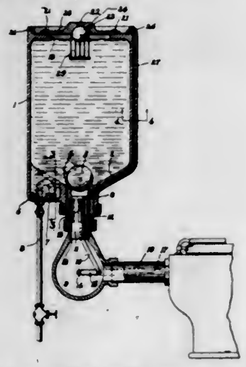
1. A grate bar comprising a body with a plain top surface and having draft perforations arranged in straight rows, the perforations in adjacent rows being relatively staggered, spaced solid reinforcing flanges integral with and depending from the under side of the body and positioned in longitudinal direction of the body between adjacent rows of the perforations, and transverse reinforcing ribs connecting said longitudinally running flanges, said flanges being of sinusoidal formation and forming therebetween an unobstructed draft space throughout the length of the bar.

1,501,619. WRAPPING-PAPER-ROLL HOLDER AND TEARING DEVICE. WILLIAM CLARENCE PICKELL, Highland Park, Mich. Filed Jan. 16, 1922. Serial No. 529,770. 7 Claims. (Cl. 211—32.)



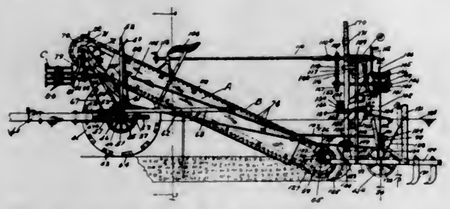
3. Means for holding different widths of wrapping paper wherein the paper is in independent rolled formations and the paper is adapted to be unwound from said rolls, a horizontal support, a holder for a plurality of the rolls of wrapping paper, and a movable member carried by said support flush with upper surface thereof and to which said holder is attached, said support cooperating with said member in normally concealing said holder, and said member being swingable upwardly to a vertical position to expose said holder.

1,501,620. FLUSHING TANK. DUDLEY REED, Canton, Ohio. Filed Nov. 16, 1921. Serial No. 515,493. 2 Claims. (Cl. 4—28.)



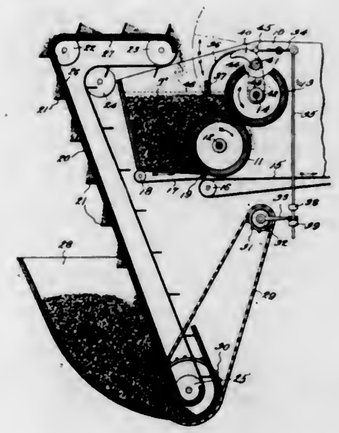
1. A flushing or filling tank connected with a water supply and provided in its bottom with a valve seat, a float ball within the tank and adapted to seat itself upon said valve seat when the tank is empty, a neck beneath said valve seat and a perforated slidable sleeve within said neck arranged to engage said ball to unseat the same, said sleeve having a saddle at its upper end for engagement with the ball.

1,501,621. DITCHING MACHINE. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed June 23, 1923. Serial No. 647,369. 28 Claims. (Cl. 37—101.)



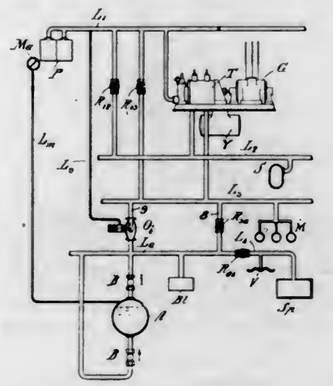
1. The combination in a ditching machine, of a suitably mounted forwardly inclined elevator, means for receiving material from the elevator and delivering same to either side of the machine selectively, a curved shovel arranged rearwardly of and in spaced relation to the rear end of the conveyor, and means for simultaneously raising and lowering said shovel and the lower end of the elevator.

1,501,622. TOBACCO-FEEDING APPARATUS FOR CIGARETTE MACHINES. FÉLIX RUAU, Lynchburg, Va., assignor to United Cigarette Machine Co., Inc., Lynchburg, Va., a Corporation of Virginia. Filed Dec. 13, 1921. Serial No. 521,979. 14 Claims. (Cl. 198—37.)



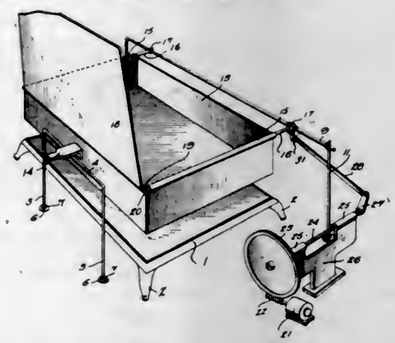
1. A tobacco feeding apparatus comprising a tobacco hopper, means including a feed roll for feeding tobacco from said hopper to a cigarette machine, means for delivering tobacco to the said hopper, and mechanism controlled by the quantity of tobacco in the said hopper for maintaining the quantity of tobacco therein substantially uniform.

1,501,623. STEAM-ACCUMULATOR APPARATUS FOR STEAM PLANTS. JOHANNES KARL RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Nov. 1, 1919. Serial No. 335,114. 7 Claims. (Cl. 60—94.)



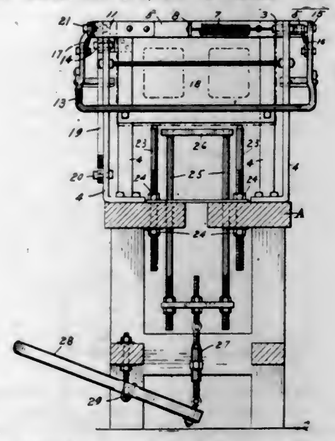
1. In a steam plant the combination of a steam generator, a main conduit connected therewith, a secondary conduit receiving steam from the main conduit and adapted to supply steam to a steam consumer, means whereby a lower pressure is maintained in the secondary conduit than in the main conduit, a steam accumulator connected with the secondary conduit and adapted to supply steam to a steam consumer, and means controlling the supply of steam from the secondary conduit to the accumulator, said means being actuated by the pressure in the main conduit and operating to increase the steam supply to the accumulator when said pressure in the main conduit rises above a predetermined value, while decreasing the steam supply when the said pressure falls below a predetermined value.

1,501,624. CORN-POPPING MACHINE. WARREN SADORUS, Sadorus, Ill. Filed Mar. 10, 1924. Serial No. 698,324. 5 Claims. (Cl. 259—91.)



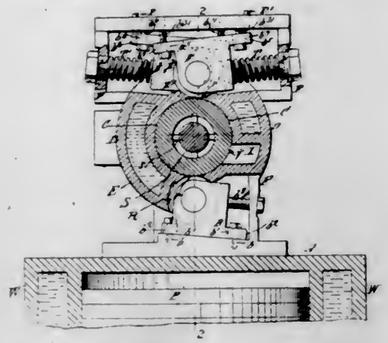
1. In a device of the character described, a pan, a supporting member arranged on each side of said pan, an arm projecting from one side of said pan and adapted to rest upon one of said supporting members, rods arranged at each end of said pan and projecting from the other side thereof, said rods pivotally connected with the other supporting member and adapted to slide thereon, and means for reciprocating said pan on said supporting members.

1,501,625. MOLDING METHOD AND APPARATUS. GEORGE J. SAFFERT, New Ulm, Minn. Filed Oct. 27, 1923. Serial No. 671,140. 9 Claims. (Cl. 25—41.)



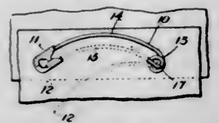
1. An apparatus of the class described, comprising a holder consisting of slidably cooperating side and end walls, spring means normally holding said walls indrawn, lever mechanism adapted to be actuated to separate said walls against the tension of said spring means, and lifting means slidably supported below said holder, for the purpose set forth.

1,501,626. INTERNAL-COMBUSTION ENGINE. HERMAN AUGUST GUSTAV SIEKMANN, West Hoboken, N. J. Filed Sept. 28, 1922. Serial No. 591,164. 14 Claims. (Cl. 123—190.)



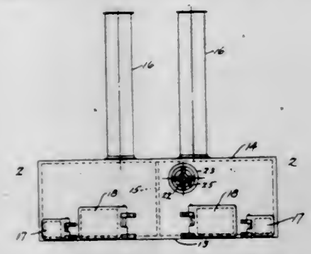
1. In an internal combustion engine, a valve casing, a rotary valve body therein, and rollers arranged to overlap from opposite sides of the axial centre of said valve body.

1,501,627. SAFETY PIN. NATHANIEL L. SILVERMAN, deceased, late of Boston, Mass., by Jacob J. Silverman, administrator, Boston, Mass., assignor to David R. Silverman, Boston, Mass. Filed May 4, 1923. Serial No. 636,718. 3 Claims. (Cl. 24—150.)



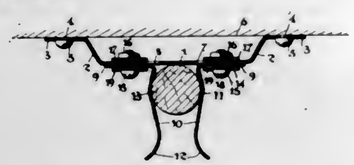
1. A safety pin of the class described comprising a round wire, a portion of which is bent to form an arcuate body portion, a portion coiled to form a spring, and another portion bent to form a reverse curve and arranged approximately parallel to said body portion whereby said safety pin is compelled to assume a position flat against the article it is engaged with: a sheath fast to the free end of said body portion; and a piercing point formed at the free end of said reverse curve.

1,501,628. OVEN. FRANK SKACH, Chicago, Ill. Filed Apr. 15, 1922. Serial No. 553,049. 2 Claims. (Cl. 107—55.)



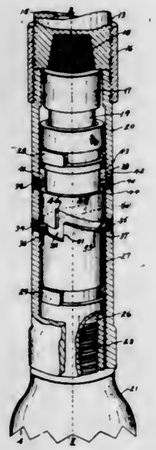
2. In a double compartment baking oven, a door between said compartments, and operating means for said door comprising, a pivot for said door, an operating shaft eccentric to said pivot, interconnecting means between said shaft and door for raising and lowering same about said pivot, said interconnecting means including an integral eye on said door and an arm rigid with said shaft and operatively engaging within said eye, and means for controlling the angular positions of said door about said pivot.

1,501,629. HOLDER. JOHN C. SMITH, Memphis, Tenn. Filed Sept. 4, 1923. Serial No. 660,725. 1 Claim. (Cl. 24—237.)



A holder for the purpose set forth comprising a body member consisting of a substantially rectangular intermediate portion and a pair of angle-shaped end portions, said end portions being oppositely disposed with respect to each other and each extending inwardly from one terminus of said intermediate portion, a pair of oppositely disposed clamping members arranged against the outer face of said intermediate portion and each including a forwardly projecting clamping arm, said clamping arms being curvilinear in contour and oppositely disposed with respect to each other and capable of being shifted towards and away from each other, and means to provide for the adjusting of said clamping members to position said clamping arms and further for fixedly securing said clamping members in adjusted position, said means connected with and extending through said clamping members and intermediate portion.

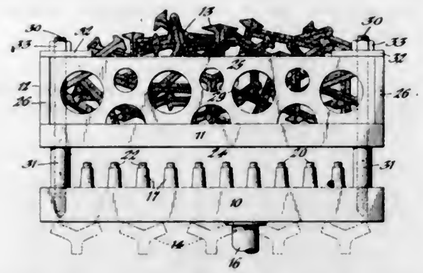
1,501,630. ROTARY ROCK DRILL. FRED S. STOLL, Los Angeles, Calif., assignor to William W. Wilson, Los Angeles, Calif. Filed Sept. 9, 1919. Serial No. 322,693. 4 Claims. (Cl. 255—4.)



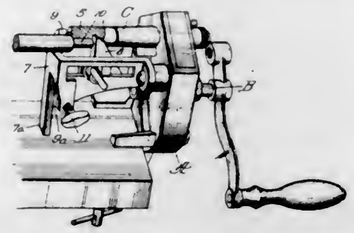
1. A drill comprising a drill stem adapted to be rotated, a bit, means carried by the drill stem and engaging means carried by the bit for connecting the bit to the drill stem and for causing the rotation of and hammering on the bit as the stem is rotated, the hammer action being effective both inside of and outside of the means on the bit.

1,501,631. GAS BURNER. ISRAEL B. TAYLOR, Buffalo, N. Y. Filed Aug. 21, 1923. Serial No. 658,629. 2 Claims. (Cl. 158—99.)

1. A gaseous fuel burner, comprising a supporting base having a gas-receiving chamber, a plurality of burner-nozzles rising from said base, a mixer-plate surmounting the latter in spaced relation thereto to form a universal mixing space, said space being open and unenclosed on all sides, said mixer plate having flame openings therein substantially in line with said nozzles, and a retaining wall for incandescent fuel supported on said mixer plate.

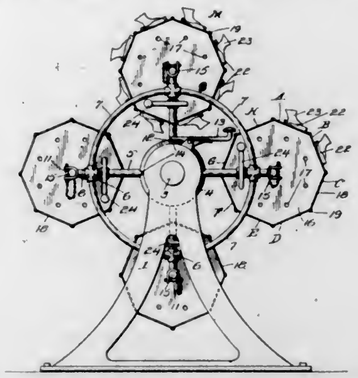


1,501,632. CUE TENONING AND TRIMMING MACHINE. OSCAR H. TWETEN, Chicago, Ill. Filed Mar. 25, 1919, Serial No. 285,018. Renewed Apr. 12, 1920. Serial No. 373,386. 2 Claims. (Cl. 144—198.)



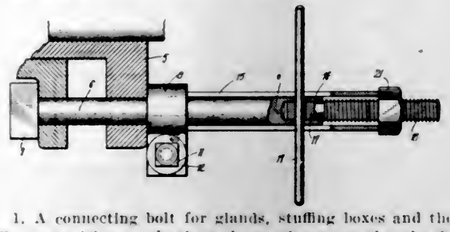
1. In a cue trimming machine, a cutter shaft, a cue rest adjacent the shaft on which the cue may be rotated, and a blank tipped milling cutter for trimming the cue end, said cutter carrying a blank tip for engaging the side of the cue when rotated to limit the cutting action so as to have a flush finished cue end.

1,501,633. HEEL-DRYING APPARATUS. THADDEUS F. TYLER, Haverhill, Mass. Filed Nov. 29, 1922. Serial No. 603,955. 12 Claims. (Cl. 34—26.)



1. A heel drying apparatus including a polygonal shaped drum including a plurality of supporting plates, and means for detachably securing a plurality of heels to each of said plates.

1,501,634. THREADLESS BOLT. MORRIS H. VAN BILLIARD, Bethlehem, Pa. Filed Apr. 30, 1923. Serial No. 635,727. 4 Claims. (Cl. 85—5.)

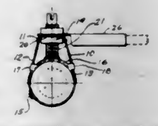


1. A connecting bolt for glands, stuffing boxes and the like comprising a shank, a loose clamp on the shank, a slotted ferrule for adjusting the position of the clamp with respect to a part and means for locking the ferrule against the clamp.

1,501,635. METHOD OF MAKING NOVOCAINE. WILLIAM A. VAN WINKLE, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 31, 1920. Serial No. 370,280. 4 Claims. (Cl. 204—9.)

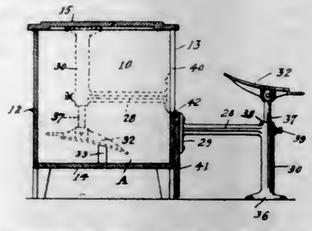
1. In the manufacture of novocaine, the method of reducing the intermediate diethylaminoethyl ester of para-nitrobenzoic acid, which consists in treating the same electrolytically, substantially as described.

1,501,636. ELECTRICAL GROUND-CONNECTION CLAMP. CHARLES VITEK, Maywood, Ill., assignor, by mesne assignments, to Benjamin A. Tetzlaff, Green Bay, Wis. Filed Aug. 11, 1921. Serial No. 491,632. 2 Claims. (Cl. 173—273.)



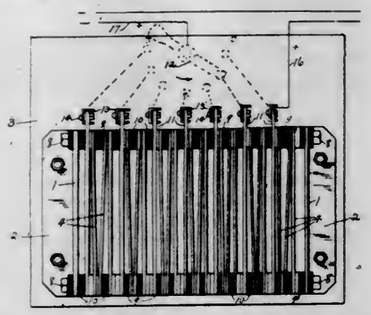
2. An electrical connection comprising a pair of flexible legs encompassing a grounding element, means for connecting the free ends of said legs, an integral portion uniting the other ends of said legs, a bridge between the grounding element and said integral portion, a stationary nut, means supported by said bridge for preventing spreading of said legs, said bridge having a raised portion, a screw extending through said raised portion and said integral portion for tightening the legs around the grounding element, a cable shoe and means for clamping said cable shoe to the upper face of said integral portion.

1,501,637. SHOE-REST CABINET. JOEL L. WALLIN, St. Paul, Minn., assignor to George Earl, St. Paul, Minn. Filed Mar. 31, 1921. Serial No. 457,181. 10 Claims. (Cl. 15—265.)



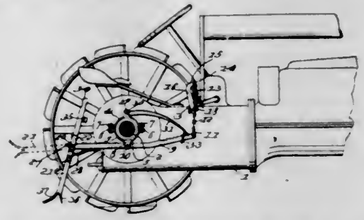
1. In combination with a cabinet, a shoe rest within said cabinet secured to the side wall, the side wall being adapted to swing into a plane parallel with its original plane to completely bring said shoe rest outside of the cabinet.

1,501,638. RHEOSTAT. ROBERT E. WEIMER and MATZ A. SPEICHER, Colliers, W. Va., assignors to Weimer-Warren Company, Colliers, W. Va., a Corporation of West Virginia. Filed May 6, 1921. Serial No. 467,353. 4 Claims. (Cl. 219—48.)



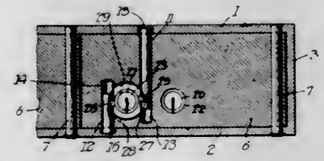
1. In a rheostat, a series of separate metal bars, each except one at each end of the rheostat having each end electrically connected to one bar at each side thereof so as to form a continuous zigzag path for electric current, the angles of the zigzag path being made by the union of the ends of two bars.

1,501,639. TRACTOR. BONY H. ALEXANDER, Lexington, Miss., assignor of seven-twentieths to J. Preston Rogers and five-twentieths to L. E. Barr, both of Lexington, Miss. Filed July 18, 1922. Serial No. 575,797. 12 Claims. (Cl. 180—82.)



1. The combination with a tractor having a clutch, of means for actuating said clutch when the tractor attempts to turn over backward, said means including a ground-engaging member to cause actuation of said clutch, the lower portion of said member, when the tractor is in normal position and traveling forward, being arranged to elevate incident to its engagement with an obstruction over which the tractor is passing without causing actuation of said cluth.

1,501,640. LOCK MECHANISM. EDGAR W. ANDERSON, Manitowoc, Wis., assignor to Invincible Metal Furniture Company, Manitowoc, Wis., a Corporation of Wisconsin. Filed Mar. 6, 1923. Serial No. 623,087. 3 Claims. (Cl. 70—74.)



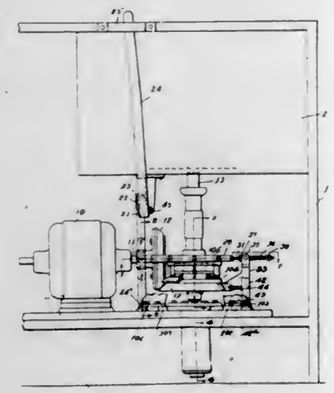
1. The combination of a door and locking mechanism therefor, comprising a main bolt and an auxiliary bolt or bolts, and mechanism for actuating said bolts to advance and retract the same, the means for actuating said auxiliary bolt or bolts comprising a rotatable ring, projections thereon which engage a notch or notches formed in said auxiliary bolt or bolts, and connection between said ring and the main bolt of the locking mechanism, substantially as described.

1,501,641. GAME BOARD. WILLIAM F. BAKER, Wayne, Pa. Filed Sept. 9, 1921. Serial No. 499,410. 3 Claims. (Cl. 46—56.)



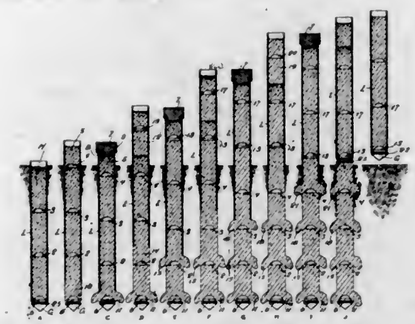
1. In a game board, a board and loop-like members of fibrous material, which latter are adapted to be passed through the former, said members having legs of varying characteristics which are disposed upon the rear of said board and bent for a portion of their length toward each other and held concealed there.

1,501,642. CENTRIFUGAL EXTRACTOR. DANA H. BENJAMIN, Cleveland, Ohio, assignor to Henrietta C. Benjamin, Cleveland Heights, Ohio. Filed July 26, 1920. Serial No. 399,211. 6 Claims. (Cl. 192—136.)



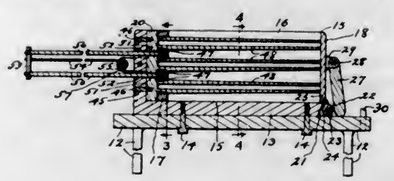
1. In an extractor, the combination of a curb, a cover therefor, a rotatable basket in said curb, means for operating said basket, a liquid containing system, means for producing pressure in said system upon operation of said basket, and a cover lock actuated by pressure in said system whereby openeng of said cover during operation of said basket is prevented.

1,501,643. CONCRETE PILE AND MEANS FOR AND METHOD OF PRODUCING SAME. MAURICE BLUMENTHAL and ERNEST GILMORE GARDNER, Brooklyn, N. Y. Filed Jan. 2, 1920. Serial No. 349,024. 8 Claims. (Cl. 61—57.)



6. The herein described method of producing within the earth concrete piles, which method consists in sinking within the earth a pile shell, said shell being filled with concrete material, entirely withdrawing the shell without the concrete material meanwhile adding concrete material within the upper end of the shell to maintain the shell filled, sinking the shell while thus filled again into the earth in a different location, again withdrawing the shell without the concrete material meanwhile adding further concrete material within the upper end of the shell to maintain the shell filled, and repeating this operation as desired.

1,501,644. MOLD FOR MAKING BUILDING BLOCKS. OTTO E. BORNHAUSER and JOHN EDWARD HERMAN, Sandusky, Ohio. Filed Feb. 17, 1923. Serial No. 619,605. 14 Claims. (Cl. 25—45.)



1. A mold of the character indicated comprising a pair of spaced opposite upright walls and two spaced opposite upright walls arranged substantially at a right angle to the first-mentioned walls, one of the second-mentioned walls being a slidable wall disposed to move between and independently of the first-mentioned walls, the other of said second-mentioned walls being movable into a position permitting movement of a building block or product substantially horizontally from betwen the first-mentioned walls by said slidable wall, and said slidable wall being normally in position to be slid substantially horizontally and independently of said first-mentioned walls in the direction in which the inner side of said slidable wall faces.

1,501,645. FERTILIZER AND PROCESS FOR THE MANUFACTURE OF SAME. JOSEPH BRESLAUER and CHARLES GOUDET, Geneva, Switzerland, assignors to the Firm: Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Filed June 22, 1922. Serial No. 570,239. 6 Claims. (Cl. 71—9.)

1. A process for the manufacture of a fertilizer consisting in utilizing economically the residues from the decomposition of raw cyanamide by gaseous acids, said residues containing calcium salts and carbon and treating the said residues with solutions of compounds which are assimilable by plants to transform the mixture into a fertilizer.

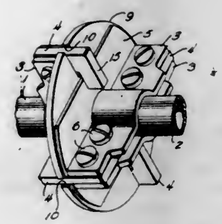
6. A fertilizer consisting of a mixture of residues resulting in the decomposition of raw calcium cyanamide by carbonic acid, the said residues containing calcium carbonate and carbon, and solutions containing a urea salt obtained during the manufacture of assimilable nitrogenous products from cyanamide.

1,501,646. EVAPORATOR COIL. STANLEY BROWN, Garden City, N. Y., assignor to The Griscom-Russell Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1922. Serial No. 533,235. 4 Claims. (Cl. 159—28.)



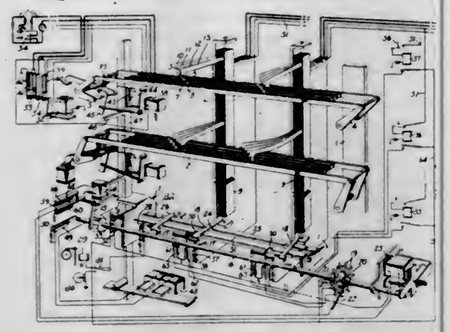
1. In an evaporator, the combination with a containing shell of a heating element within said shell, comprising a continuous tubing having a plurality of convolutions, the cross section of said tubing being distorted from a circular form, and the broad faces of successive convolutions being adjacent, whereby a maximum clearance between convolutions is obtained and bridging over of scale between successive convolutions is restricted.

1,501,647. SHAFT COUPLING. THADDEUS C. CAMPBELL, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 2, 1921. Serial No. 497,852. 8 Claims. (Cl. 64—91.)



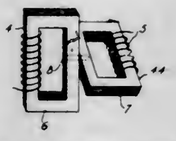
1. A shaft coupling comprising an intermediate plate having radially extending slots and two shaft carried elements slidably engaging the slots of said intermediate plate, said shaft carried elements each comprising a pair of oppositely disposed members, clamping means for securing said members and for attaching said shaft carried element to its respective shaft and independent means for aligning said members.

1,501,648. TELEPHONE SYSTEM. ROY DOUGLAS CONWAY, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1920. Serial No. 401,907. 11 Claims. (Cl. 179—8.)



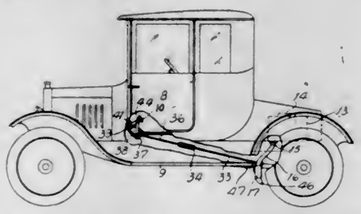
1. In a switching mechanism, a plurality of trunk bars, means for preselecting a trunk bar, means for seizing the preselected trunk to render the same busy, a register, and means operable when all the trunk bars become busy for controlling said register.

1,501,649. TRANSFORMER. GEORGE C. CUMMINGS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,511. 8 Claims. (Cl. 171—119.)



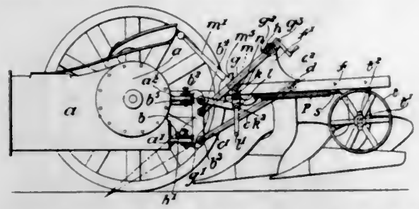
1. A transformer comprising a primary and a secondary winding, a separate and complete magnetic core for each of said windings, and means for connecting said cores together whereby the reluctance path between said windings may be varied for providing a loose coupling.

1,501,650. SANDING DEVICE FOR AUTOMOBILES. CHARLES F. DIENSTBACH and JOSEPH W. KUEMMERLE, St. Louis, Mo. Filed Jan. 9, 1922. Serial No. 527,959. 4 Claims. (Cl. 291—15.)



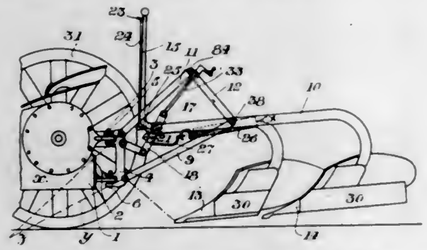
1 In a sanding device for automobiles in combination with the braking mechanism thereof, a sand reservoir, pipes leading from said reservoir and each terminating in a vertical chamber having a flattened discharge orifice, a pair of valves vertically spaced apart located in said chamber, a lever mechanism, located on the outside of said chamber and adapted to operate said valves in opposite directions simultaneously, and a resilient connection between the lever mechanism and the braking mechanism for operating said valves.

1,501,651. AGRICULTURAL IMPLEMENT. HARRY FERGUSON, Belfast, Ireland. Filed May 4, 1922. Serial No. 558,468. 3 Claims. (Cl. 97—98.)



1. The combination with means for hitching an agricultural implement to a tractor, comprising upper and lower members movably connected to the tractor and to the implement so as to permit free relative movement therebetween during operation, said members being arranged so as to cause the effective line of draft to be from a position other than that of the actual connection between the tractor and the implement, of means on the implement adapted to bear on the ground and regulate the working depth of the soil engaging parts of the implement.

1,501,652. AGRICULTURAL IMPLEMENT. HARRY FERGUSON, Belfast, Ireland. Filed Oct. 12, 1922. Serial No. 593,984. 42 Claims. (Cl. 97—47.)



1. In an agricultural implement adapted to be operated mechanically, a connection for coupling said implement to its operating mechanism and means forming a part of the connection whereby the implement can be kept automatically at a regular working depth when in operation and irrespective of inequalities in the contour of the ground.

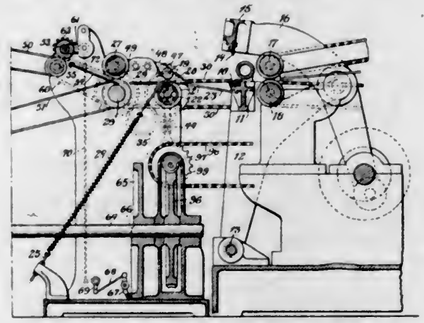
7. In an agricultural implement adapted to be operated mechanically, a connection for coupling said implement to its operative mechanism whereby it is permitted to move up and down, means operated automatically by relative movement of the implement or its operative mechanism and the connection to keep the implement at a regular working depth during its operation irrespective of inequalities in the contour of the ground, and means for raising the implement from its operative position when required.

18. An agricultural implement adapted to be drawn by a tractor having a connection for coupling the implement to the tractor including means whereby the weight of the implement can be wholly carried by the tractor when in operation, and means forming a part of the connection providing freedom of up and down movement and for automatically keeping the implement at a regular working depth during its operation irrespective of inequalities in the contour of the ground over which it may be drawn by the tractor.

27. A connection for coupling an implement to a tractor comprising means which, when the implement is pulled by the tractor, exerts a downward pull or pressure on the implement and holds it down to its work, means preventing the implement, whilst in operation, from turning angularly upwards around the first mentioned means, the said means allowing the implement to move laterally relative to the tractor, and means forming a part of the connection for automatically balancing the downward pull of the implement to keep it at a regular working depth.

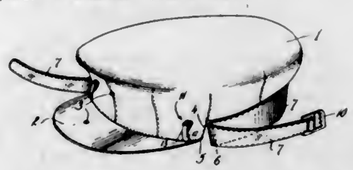
42. A device for hitching an agricultural implement to a tractor comprising, in combination, a swivel head adapted for connection to the tractor, a set of three lower link members pivotally connected to said head and to the implement one of said members being arranged diagonally between the other two, an upper link pivoted to said head, a double strut pivotally connected to the implement and to said upper link, depth control gear carried by the implement frame, and means for manually raising and lowering the implement relative to the tractor, said means including a laterally adjustable link bracket pivotally connected to the swivel head, a cross head pivotally supported by the implement frame and connected with said link bracket and a control lever for actuating said cross head.

1,501,653. CUT-OFF MECHANISM. BERNARD M. FINE, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J., a Corporation of New Jersey. Original application filed Oct. 17, 1921, Serial No. 508,082. Patent No. 1,460,059, dated June 26, 1923. Divided and this application filed June 19, 1922. Serial No. 569,396. 20 Claims. (Cl. 164—68.)



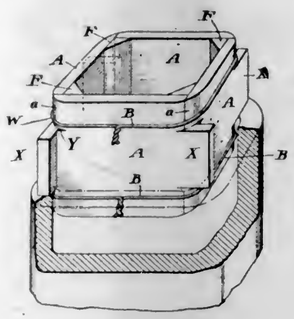
1. A machine for cutting sheet material into sections, including an oscillatory cutter movable back and forth in the general direction of travel of the material, a pair of feed rolls spaced from said cutter to receive the end of the sheet before the cutter severs the end section from the body of the sheet, and supporting members secured to said cutter and movable back and forth therewith and extending between the axes of said feed rolls, said feed rolls permitting free movement of said supporting members, but acting to grip and positively advance the cut-off sections and prevent the return movement of said sections with said supporting members.

1,501,654. ADJUSTABLE CAP. PHILIP A. FISCHER, New York, N. Y. Filed June 9, 1922. Serial No. 567,051. 8 Claims. (Cl. 2—147.)



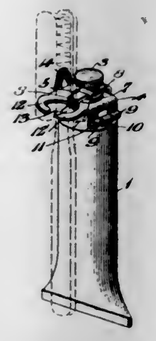
1. In a cap, the combination of a strap along the edge thereof, a loop adapted to encircle said strap loosely, said loop being fastened to the cap near the lower edge of said cap only, said loop being free to assume an easy position around said strap.

1,501,655. SHRINK-HEAD CASING FOR INGOT MOLDS. EMIL GATHMANN and MARK GATHMANN, Baltimore, Md. Filed July 14, 1922. Serial No. 574,909. 25 Claims. (Cl. 22—147.)



1. A shrink head casing made of a plurality of sections having integral interlocking devices at their ends for joining the sections to complete the feeder, integral parts of said devices being prolonged to provide means for supporting the feeder on a mold.

1,501,656. MATERIAL CONTAINER. JULIUS EDW. GILDA, Philadelphia, Pa. Filed Nov. 28, 1923. Serial No. 677,384. 4 Claims. (Cl. 221—60.)

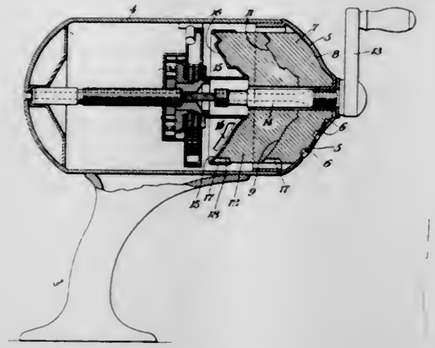


1. A device of the character stated comprising a receptacle having a neck forming an outlet, a plate hinged to said receptacle which plate is slotted in register with said outlet, a cap for closing said outlet fitted to the slotted portion of said plate which cap is provided with a flanged portion and oppositely disposed lips carried by said plate and engaging over said flanged portion for retaining said cap upon said plate during movement of the latter.

1,501,657. SOAP DISPENSING. EDWARD V. GLUCK, Richmond Hill, N. Y., assignor to Sonpitor Company Incorporated, a Corporation of New York. Filed June 12, 1920. Serial No. 388,403. 9 Claims. (Cl. 87—23.)

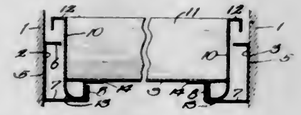
1. A cake of soap adapted for use in a dispensing machine and having a substantially frustro-conical con-

vex face on one end and a substantially frustro-conical concave face on the other end, said faces being pro-



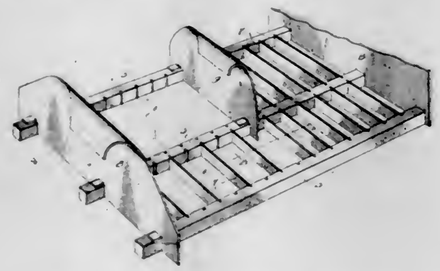
vided with irregularities adapted to fit and interlock with a similar cake of soap.

1,501,658. CABINET. HARRY C. GOWRAN, Two Rivers, Wis., assignor to the Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Dec. 27, 1921. Serial No. 525,133. 1 Claim. (Cl. 45—77.)



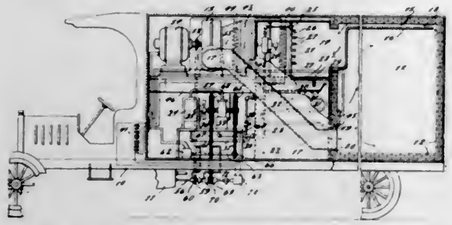
A cabinet having a drawer space; a drawer in said space provided with runners upon its bottom; and runways upon the cabinet that support said runners and the drawer having them, these runways having each an intermediate section for attachment to the cabinet, an inwardly extending top ledge, an inwardly extending runway portion at the bottom, and upright wall portions at the inner edges of the runways and with which the runners are engageable to limit the lateral movement of the drawer, the bottoms of the runners riding upon the tops of the runways.

1,501,659. CANDY MOLD. MICHAEL M. HADDAD, Pontiac, Mich. Filed Mar. 8, 1922. Serial No. 541,916. 1 Claim. (Cl. 107—19.)



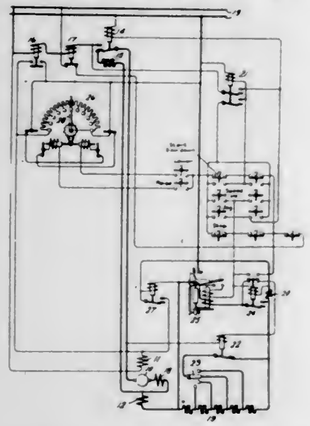
A candy mold comprising a pair of longitudinal side members correspondingly transversely slotted to receive intervening spacer sections, a plurality of pairs of intervening spacer sections interposed between said longitudinal members removably receivable at the ends within the slots in the members to form a succession of independent candy-receiving compartments between said longitudinal members, each individual compartment separated from its adjacent compartments by a separate independent spacer section, and end plates notched to be received over the longitudinal side members within a slot thereof to hold said side members in spaced-apart relationship.

1,501,660. METHOD OF AND APPARATUS FOR CONDITIONING AIR. LOUIS HELMER, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,183. 2 Claims. (Cl. 236—44.)



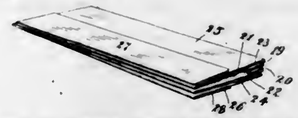
1. In a device of the character described, a compartment, means for circulating air through said compartment, a liquid-circulating system and means for spraying the liquid into the entering air and at substantially the saturation point, means for lowering the temperature of the circulating liquid prior to the spraying operation, means comprising a heating device for controlling the temperature of the air and liquid spray mixture as the latter is being introduced to the air, and means for raising the temperature of said mixture and thereby lowering the percentage of liquid spray content therein.

1,501,661. APPARATUS FOR AND SYSTEM OF MOTOR CONTROL. JOHN A. HEPPERLEN, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed Feb. 19, 1923. Serial No. 619,836. 6 Claims. (Cl. 172—179.)



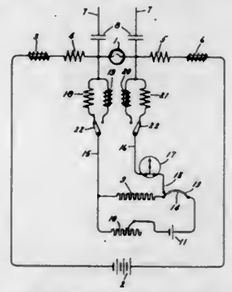
2. The combination in a system of motor control of electroresponsive line switch mechanism, electroresponsive means for controlling the motor speed, a starting switch and a speed up switch, and connections whereby the line switch mechanism is energized to close when the starting switch is temporarily operated and is maintained closed when the starting switch is returned to its original position, and the said electroresponsive means is energized to effect an increase of the motor speed when the speed up switch is closed and then maintained energized through a circuit controlled by the starting switch when the speed up switch is opened.

1,501,662. SHEET OF FOLDED MATERIAL. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 652,940. 2 Claims. (Cl. 206—57.)



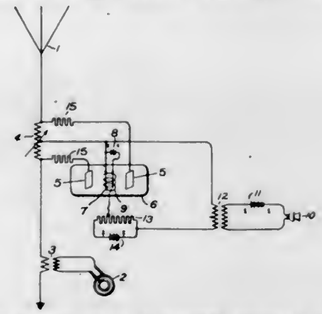
1. A sheet of material folded into a plurality of substantially coextensive sections, and an end section which is non-coextensive with the other sections, the sheet being then folded transversely to cause the non-coextensive end section to lie along one edge at the top and bottom thereof.

1,501,663. MEASURING SYSTEM. CHARLES A. HOXIE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 30, 1921. Serial No. 481,657. 6 Claims. (Cl. 175—183.)



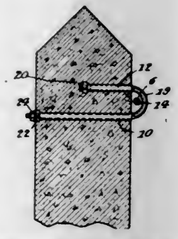
6. A system for measuring alternating currents comprising a resistance element having a resistance variable with the temperature, means for sending a direct current through the resistance, means whereby the current to be measured may also be sent through the resistance so as to heat it, inductive coils in series with said resistance through which coils only the direct current flows, a second resistance, means for sending a direct current through said resistance, means for connecting the two resistances in series so that their potential drops are opposed, inductive coils in the last mentioned series circuit whereby only direct current can pass, and means for varying the second resistance until the potential drops balance.

1,501,664. WIRELESS SIGNALING SYSTEM. AUGUST HUND, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1914. Serial No. 862,325. 6 Claims. (Cl. 250—6.)



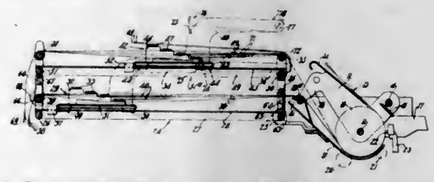
1. The combination in a wireless signaling system of an antenna, a source of energy connected to said antenna, a tuning inductance in series with said antenna, a relay comprising a plurality of electrodes enclosed in a highly evacuated envelope, direct electrical connections from said electrodes to points in said inductance between which there is a large difference of potential and means cooperating with said relay whereby the amplitude of the current flow in said antenna may be varied in accordance with the signals to be transmitted.

1,501,665. STAPLE FOR WIRE-FENCE CONCRETE POSTS. WILLIAM H. JAMES, Marshfield, Mo. Filed Nov. 14, 1921. Serial No. 515,124. 3 Claims. (Cl. 256—50.)



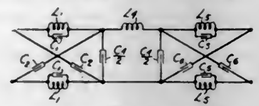
1. A wire fastener comprising a substantially U-shaped sleeve adapted to be embedded in a cementitious structure and having its crown portion cut away to provide a saddle and extend beyond one face of said structure, and means for bracing and locking said sleeve in the structure and also adapted to secure a longitudinal element to the aforesaid saddle.

1,501,666. TYPEWRITING MACHINE. ARTHUR A. JOHNSON, Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 6, 1921. Serial No. 482,695. 16 Claims. (Cl. 197—126.)



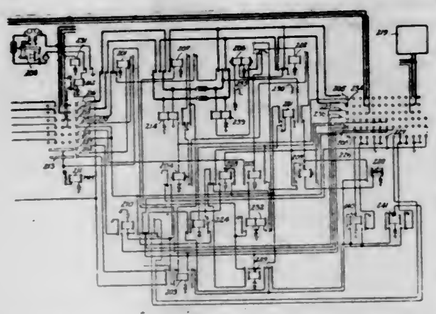
1. In a typewriting machine adapted for continuous billing, in combination, a platen, a platen-carriage having a rearward extension, and a plurality of superposed carbon-carrier tracks on said extension.

1,501,667. ELECTRICAL NETWORK. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1921. Serial No. 468,710. 5 Claims. (Cl. 178—44.)



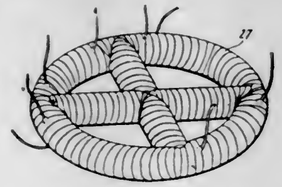
1. A wave filter comprising a section having terminals for receiving electric waves, parallel reactive paths between said terminals, output terminals on said paths at points the potentials of which are such that waves of a band of frequencies are substantially attenuated and waves of an adjacent band of frequencies are passed substantially without attenuation, said output terminals having substantially equal potentials for a frequency in the attenuated range relatively near the cut-off frequency whereby waves of said frequency are substantially wholly suppressed, and a filter section connected in tandem therewith having the same cut-off frequency but having a different frequency of maximum suppression.

1,501,668. TELEPHONE SYSTEM. LEO KELLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1920. Serial No. 397,596. 17 Claims. (Cl. 174—27.)



1. In a telephone system, a branch office, a main office, connecting circuits including numerical automatic switching mechanism at the branch office, an attendant's position thereat, subscribers' lines terminating at the branch office, senders associated therewith for setting said switching mechanism to interconnect said lines, a trunk extending between said offices, a signal for said trunk at the branch office actuated when the trunk is taken for use at the main office, means controlled from said position for causing said trunk to be connected to an idle one of said connecting circuits, and a sender for setting the numerical automatic switching mechanism thereof to select the desired subscriber's line.

1,501,669. INDUCTANCE DEVICE AND METHOD FOR OPERATING THE SAME. GEORGE A. KELSALL, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1920. Serial No. 409,129. 15 Claims. (Cl. 178—46.)



1. The combination with two physical circuits consisting of line conductors, together furnishing a phantom circuit, of an inductance device comprising a magnetic core having a plurality of connected portions, another set of core portions connected to each other and connecting the junctions of the first named portions, and a winding for each line conductor mounted on one of said second named portions and a second winding for each line conductor mounted on and substantially equally divided between two of said first named portions, the number of turns of each winding for one of said line conductors being substantially of the same order of magnitude.

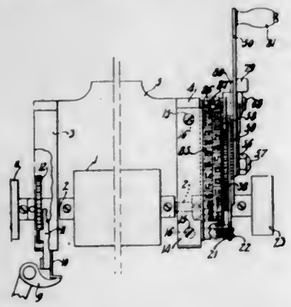
1,501,670. WINDING MACHINE. HENRY KOCH, Jamaica, N. Y., assignor to Dictograph Products Corporation, a Corporation of Virginia. Filed June 28, 1922. Serial No. 571,508. 10 Claims. (Cl. 242—9.)

1. In a winding machine, a rotatable winding spindle, a clutch carried by one end of the spindle for removably mounting an electromagnet frame to be wound, means for driving said spindle, a cam, means for driving said cam concomitantly with said spindle, a rotatable pin having an eccentric cam portion, an arm rotatable on said eccentric cam portion and contacting with the cam surface of the cam, a spring device pressing the arm into contact with the cam, and a guide device carried by the arm for feeding the wire to the frame, the arm being



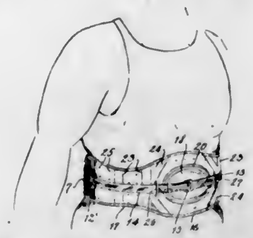
shifted back and forth by the cam and spring to form uniform layers of wire upon the frame, the rotation of the pin and its eccentric cam portion serving to shift the arm about its point of contact with the cam to vary the position of the guide device and thereby vary the starting point of the layers upon the frame.

1,501,671. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 23, 1921. Serial No. 479,734. 25 Claims. (Cl. 197—117.)



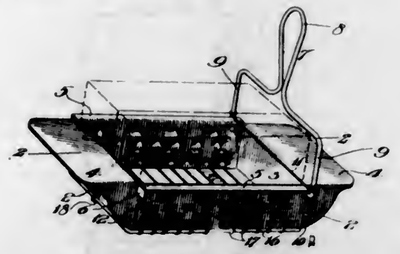
1. In a typewriting machine, in combination, a platen, a line-spacing ratchet-wheel having equally-spaced teeth, platen-sweeping mechanism comprising a handle and rotation-multiplying means interposed between said handle and the platen, including multiplying gears, a sweeping ratchet-wheel and an actuating pawl therefor, an overthrow-gear connected to the platen for rotation therewith, and having the same number of teeth as the line-spacing ratchet-wheel, and means moved into engagement with the overthrow-gear, between the teeth thereof, by the platen-sweeping mechanism, to arrest the rotation of the platen; the arrangement being such that the overthrow-gear will always arrest the platen at exactly a whole number of line-spaces from the point of beginning of the platen-sweeping movement.

1,501,672. OBESITY-REDUCING BAND. THOMAS LAWTON, New York, N. Y. Filed Nov. 29, 1922. Serial No. 603,899. 7 Claims. (Cl. 128—293.)



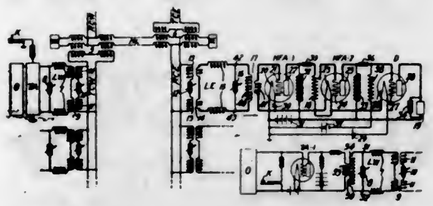
1. A reducing band comprising a relatively wider middle portion constructed to fit the body of the wearer closely, the said wider portion of the band having a resilient outwardly cupped member about which the said band lies closely against the body, a massage member located within said cupped member, and means for securing the band upon the person of the wearer.

1,501,673. BUTTER CUTTER. WILLIAM LOCKETT, Philadelphia, Pa. Filed Dec. 7, 1923. Serial No. 679,113. 3 Claims. (Cl. 31—25.)



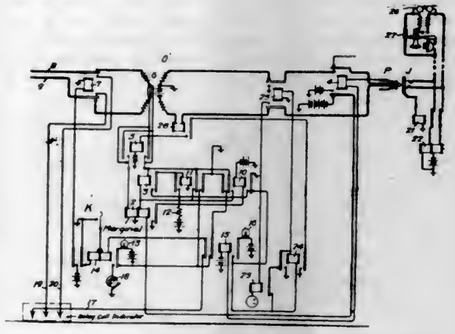
1. A butter cutter comprising a frame, open at its top and bottom and provided with sides having a plurality of outwardly deflected lips of varying sizes arranged in rows in horizontal alignment but in staggered order vertically and out of horizontal alignment and a cutting wire engaging said lips and positioned transversely across the open bottom of said frame.

1,501,674. SELECTIVE CIRCUITS. MAURICE B. LONG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 17, 1922. Serial No. 568,945. 8 Claims. (Cl. 178—51.)



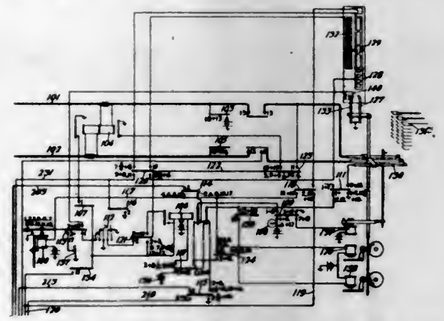
1. A current wave transmission system comprising a loop tuned circuit, a translating device, and a step-down transformer connected between said loop tuned circuit and said translating device for the transfer of energy therebetween.

1,501,675. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL and EDGAR H. CLARK, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1920. Serial No. 377,215. 12 Claims. (Cl. 179—27.)



1. In a telephone exchange system, subscribers' lines, a cord circuit terminating in a plug terminal for extending a connection to any one of said lines, a signaling device, and means for operating said signaling device upon the seizure of said cord circuit, irrespective of the position of said plug terminal with realtion to the jacks of lines to which it has access.

1,501,676. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, Chicago, Ill., and JAMES J. WYNNE, Roselle Park N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1920. Serial No. 393,377. 33 Claims. (Cl. 179—27.)

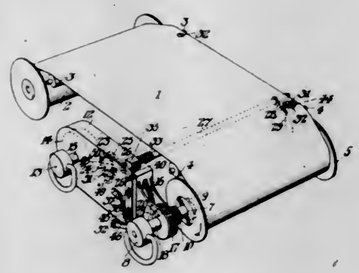


1. In a telephone exchange system, subscribers' lines, automatic switches to be used in establishing inter-connections between said lines, a plurality of variably operable primary registering devices, means to selectively position said primary registering devices, a progressively operable switch, means to position said switch under the joint control of said primary registering devices, a plurality of secondary registering devices, means controlled in accordance with the position assumed by said switch for setting said secondary registering devices, and means to selectively operate said automatic switches under the control of said secondary registering devices.

1,501,677. CAMERA. HARRY F. MCMAHON, Toronto, Ontario, Canada. Filed Mar. 4, 1921. Serial No. 449,599. 7 Claims. (Cl. 95—31.)

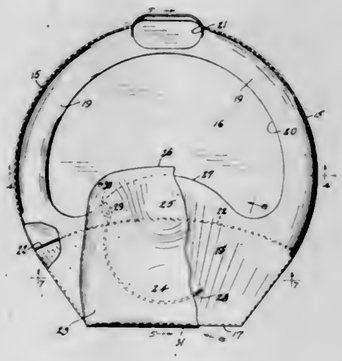
1. In a camera, the combination with two spools arranged to detachably engage a film strip at its respectively opposite ends; of means arranged to turn one of said spools to progress a film from one end to the other, in

cluding an axially reciprocatory handle having an axial stem arranged to detachably axially engage the take-up spool; a gear through which said stem reciprocates; a clutch device connecting said gear with said stem, arranged to turn the latter and said take-up spool, when said gear is turned, and permit said stem to turn, in the same direction, independently of said gear; whereby said take-up spool may be turned by said handle and by said gear, independently of each other; a spring motor arranged to turn said gear; a regulating escapement device, arranged to regulate the speed of said motor; co-



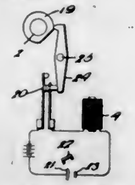
operative means arranged to simultaneously stop the movement of said film and of said motor, including a detent plunger adapted to successively engage a longitudinal series of perforations in said film; means arranged to simultaneously release said motor and said film, including means arranged to withdraw said detent plunger from said film; and means arranged to lock said releasing device in inoperative position when the film is entirely wrapped upon said take-up spool; whereby said mechanism indicates when it is necessary to recharge the camera with another film.

1,501,678. BEDPAN. ANNA C. MCNETTON, Norwalk, Conn. Filed May 4, 1922. Serial No. 558,454. 13 Claims. (Cl. 4—112.)



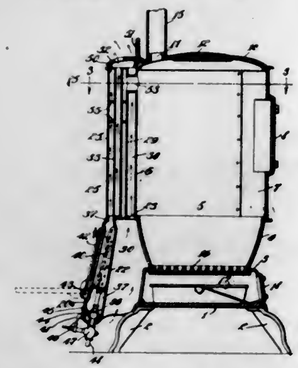
1. A bed pan comprising a receptacle having curved sides and deeper at the rear than at the front, the bottom being curved upwardly adjacent the front toward the front edge, said front edge being substantially straight and of materially less width than the body of the pan, the upwardly curved portion of the bottom being also convex transversely of the pan to allow the pan to tip and rock under pressure from the body of the user, and the front portion of the top wall being of sufficient area to form a support for a patient lying on the side.

1,501,679. PRINTING TELEGRAPH. DONALD MURRAY, London, England, assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1920. Serial No. 418,248. 2 Claims. (Cl. 178—53.)



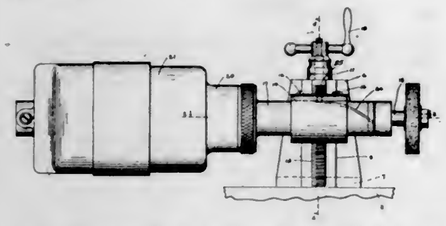
2. The combination of a telegraph printer, a uniform speed motor, a correcting magnet controlling an interposing pin, and an adjustable coupling mechanism between the motor and the driving shaft of the printer, consisting of a lever and pawl and a toothed wheel, a wedge cam to restore the interposing pin to zero position, and a cam arranged to open or close intermittently a phase correcting contact.

1,501,680. COMBINED FLUID-FUEL AND SOLID-FUEL HEATING APPARATUS. FRANK A. NIEBERDING, Cleveland, Ohio. Filed July 22, 1918. Serial No. 246,000. 10 Claims. (Cl. 126—116.)



10. Apparatus of the character set forth comprising a solid fuel stove, a smoke chamber mounted and spaced from one side of the combustion chamber of said stove to provide an air passage, a casing spaced from the fire pot of the stove and opening at its top into the smoke chamber, and a fluid fuel burner in said casing.

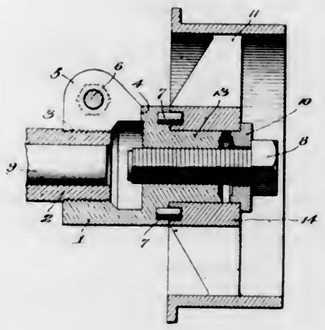
1,501,681. SUPPORTING MEANS FOR ROTATABLE GRINDERS AND THE LIKE. EMANUAL NIELSEN, Racine, Wis., assignor to Hamilton-Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Oct. 24, 1921. Serial No. 509,954. 3 Claims. (Cl. 51—259.)



1. In combination a supporting standard, a collar member mounted on said standard, a casing member mounted in said collar member, and a shaft journaled in

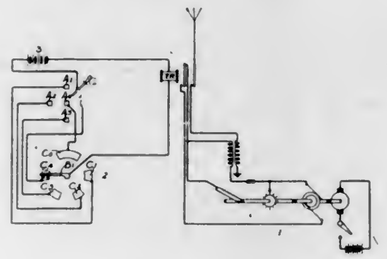
said casing member and adapted to carry a grinding element or the like, one of said members having a pin and the other a spiral groove adapted to receive said pin, said connection causing an axial displacement of said casing relative to said collar when said casing is rotated.

1,501,682. COMBINATION WHEEL PULLER, TOOL GRINDER, AND POWER DEVICE. GEORGE E. NOFFSINGER, Elkhart, Ind. Filed Nov. 28, 1922. Serial No. 603,823. 6 Claims. (Cl. 7—1.)



1. A power transmitting mechanism comprising one member having means for fixedly mounting the same upon the hub of a driving wheel, dowel pins projecting from said member, a second member adapted to make threaded engagement with said first member, and a power pulley adapted to be rigidly fixed to said first member by means of said dowel pins and said second member.

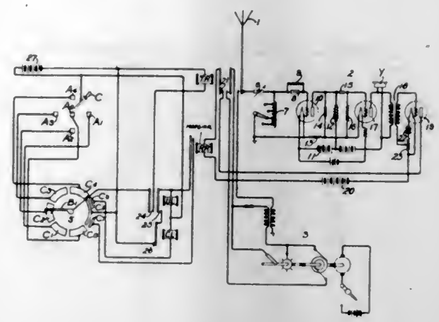
1,501,683. REMOTE CONTROL SYSTEM. ARTHUR A. OSWALD, Bradley Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1920. Serial No. 428,561. 20 Claims. (Cl. 250—2.)



1. A transmitting device for transmitting impulses at timed intervals, a receiving device for receiving said impulses and means actuated by said receiving device in response only to impulses received at definite instants and of duration between two fixed limits.

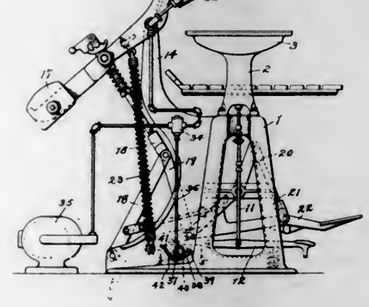
1,501,684. REMOTE CONTROL SYSTEM. ARTHUR A. OSWALD, Bradley Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1920. Serial No. 428,948. 12 Claims. (Cl. 250—2.)

1. In combination, a control mechanism and a distant controlled mechanism, each of said mechanisms comprising a constantly moving element, means at said control mechanism for transmitting energy to operate said con-



trolled mechanism, and means at said control mechanism for preventing transmission of said energy except when such elements are in synchronism and phase agreement.

1,501,685. PRESSING MACHINE. EVERETT E. PARKER, Chicago, Ill., assignor, by mesne assignments, to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Sept. 11, 1916. Serial No. 119,499. 4 Claims. (Cl. 68—9.)

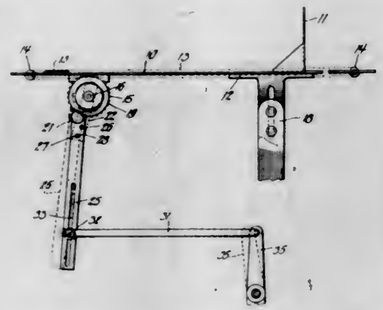


1. A pressing machine, comprising relatively movable pressing members, each provided with a foraminous pressing wall and an inner chamber communicating with the atmosphere through the openings in said wall, means for supplying steam to the chamber in one of said members, means for producing suction in the chamber in the other member, means for producing relative pressing movement between said members, and means actuated by said member-moving means for rendering said suction effective when said members are in pressing relation with each other.

1,501,686. FEED MECHANISM FOR BOOK-SEWING MACHINES. GUSTAV A. PAULSEN, Chicago, Ill., assignor to Joseph E. Smyth Company, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,514. 9 Claims. (Cl. 112—21.)

1. In a feed mechanism of the character described, a rotatable feed wheel having a plain driving surface, a

movable arm, and means carried by said arm for gripping the plain driving surface of the wheel by movement of



the arm and advancing said wheel by the movement of said arm and thereafter releasing said gripping means, so as to intermittently rotate said wheel.

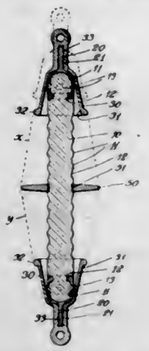
1,501,687. NECKTIE. GIUSEPPE F. PINSETI, New York, N. Y. Filed Nov. 18, 1921. Serial No. 516,036. 2 Claims. (Cl. 2—11.)



1. A four-in-hand tie comprising an end member, a loop at one extremity of the end member, and a body member, with one end thereof threaded through the said loop and turned back against the body member so that the body member and that portion thereof threaded through the loop form continuations of the end member whereby the body member may be folded over the end member and that portion of the body member which is threaded through the loop to form a knot which is slidable on both the end member and that portion of the body member threaded through the loop.

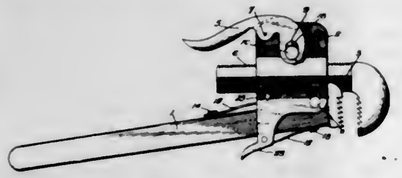
1,501,688. COLUMN-STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed May 23, 1919. Serial No. 299,209. Renewed Sept. 16, 1921. Serial No. 501,147. 1 Claim. (Cl. 173—318.)

In a device of the class described, an elongated body of insulating material, end caps each having a bead and also a cavity formed therein to effect a molded union with said insulating body, and an axially extending screw-threaded shank secured thereto; a bell shaped terminal threaded on each shank to adjust its position thereon, said terminals each having an annular bead formed at one end and a securing eye adapted to receive a supporting wire formed on the other end thereof, and a disc shaped barrier surrounding said insulating body at a point sub-



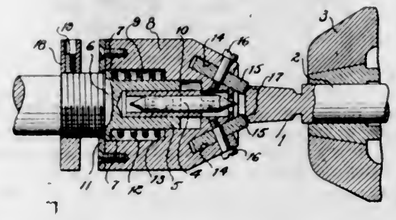
stantially half way between said end caps, coacting with the beads on said terminals to act as an arcing member to prevent injury to said body of insulating material.

1,501,689. ADJUSTABLE PIPE AND NUT WRENCH. DELPHIS E. ST. JACQUES, Springfield, Mass. Filed Dec. 30, 1922. Serial No. 609,970. 2 Claims. (Cl. 81—105.)



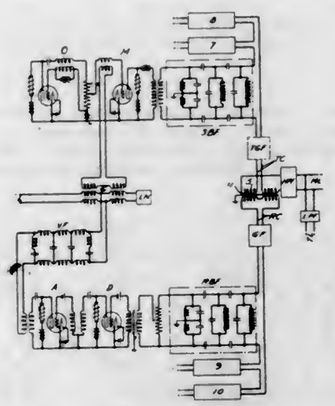
1. A wrench comprising a handle or wrench bar with a fixed jaw, a housing with side and upper plates, said housing being pivoted to said handle, and having a longitudinal opening to conform with the shape of the sliding jaw bar, a movable jaw having a jaw bar slidably mounted in said opening, said jaw bar being hexagonally shaped and provided with teeth on its upper edge the shape of the jaw bar and said opening being thus designed to result in a wedging action bracing the jaw bar against movement when the jaws are under stress and thereby relieving the pressure from the spiral springs; a lock dog provided with teeth on the lower side of its base section to engage with the teeth on the sliding jaw bar and having two cylindrical crossarms extending horizontally trough the side plates of the housing permitting the lock dog to be raised or lowered by the lever, and having one cylindrical arm extending vertically from the enlarged portion adjoining the base section of the lock, fitting into a socket provided therefor in the upper plate of the housing and acting as a guide, two spiral springs pressing said lock dog teeth into locking engagement with the jaw bar teeth, a lever pivoted on the housing and so connected with the lock dog as to move it in an inoperative position by compressing the spiral springs, oval slots in the side plates of the housing, running vertically, through which the cross-arms project and so made as to permit the cross-arms of the lock to move upward and downward freely and also to hold said cross-arms firmly in place thereby relieving the strain from the teeth on the upper side of the sliding jaw bar, and a trigger formed at the lower end of the housing for the purpose of spacing and setting the wrench and also to be held when disengaging the teeth of the lock dog and the sliding jaw bar when the lever is pressed to release the lock dog.

1,501,690. DEVICE FOR BURNISHING SURFACES OF ROLLS FOR ROLLER BEARINGS. ERNEST G. STRONG, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 5, 1922. Serial No. 566,090. 6 Claims. (Cl. 29—90.)



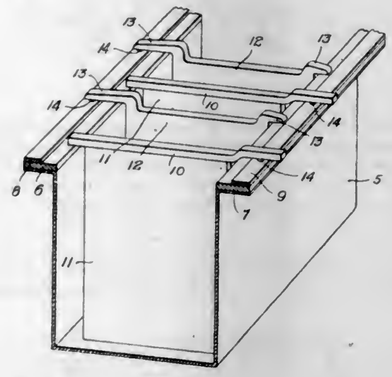
1. A device for smoothing rolls for roller bearings, comprising a rotatable head and a plurality of rollers mounted in said head and conically disposed about the axis thereof, said rollers projecting beyond the end of said head and the axes thereof intersecting inside of said head.

1,501,691. SELECTIVE TRANSMISSION OF ELECTRIC WAVES. HARALD J. VENNES, Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1922. Serial No. 577,493. 7 Claims. (Cl. 179—15.)



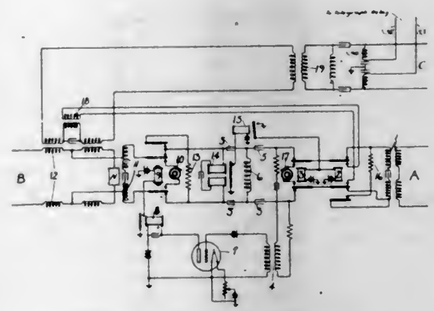
1. An alternating current system comprising a transmission line, a transmitting circuit for impressing alternating current upon said line, another circuit for receiving alternating current from said line, and a transformer having a line winding and a station winding, said receiving circuit being connected to said station winding, said line winding being connected to said line, and said transmitting circuit being connected in series with said line winding at its electrical midpoint.

1,501,692. ELECTRODE. HENRY L. WARD, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1922. Serial No. 572,181. 14 Claims. (Cl. 204—4.)



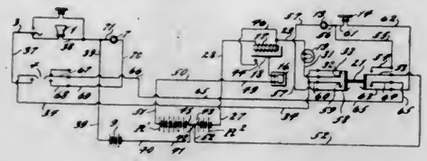
1. An electrode for use in electrolytic apparatus, comprising a body portion and a mounting, and a contact member carried by said mounting, said contact member having an electrical resistance lower than that of said mounting.

1,501,693. TELEPHONE TRANSMISSION SYSTEM. RAY S. WILBUR, Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 25, 1919. Serial No. 340,480. 15 Claims. (Cl. 179—4.)



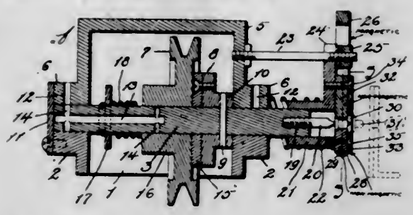
15. In a telephone system, a two-wire circuit, a four-wire circuit, means coupling one side of said four-wire circuit to said two-wire circuit, a source of ringing currents, and means responsive to ringing currents in said two-wire circuit for impressing currents from said source upon said side of said four-wire circuit while maintaining fixed the connections of said side to said two-wire circuit.

1,501,694. SIGNAL SYSTEM FOR TELEPHONES AND THE LIKE. FRIEDRICH H. N. WOHLERS, Jamaica, N. Y., assignor to Dictograph Products Corporation, a Corporation of Virginia. Filed Apr. 14, 1921. Serial No. 461,281. 17 Claims. (Cl. 179—89.)



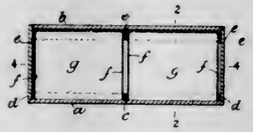
12. In a signal system, a main circuit having therein a battery, a telephone receiver, and a single winding relay, and a secondary circuit having therein a portion in inductive relation to the main circuit, a buzzer, and a switch device therefor controlled by the relay.

1,501,695. SCREW-DRIVER MACHINE. WILLIAM WURBACK, St. Louis, Mo. Filed Sept. 3, 1921. Serial No. 498,381. 6 Claims. (Cl. 144—32.)



1. A machine of the class described including a rotary screw-driver and means for rotarily actuating the same, in combination with means comprising a magnet having an apertured seat-providing pole-piece for magnetically holding a screw in position for driven engagement by the screw-driver.

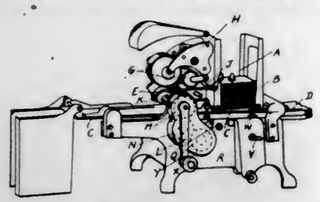
1,501,696. BOX OR CONTAINER FOR CIGARS, CIGARETTES, AND THE LIKE. SAMUEL BAIRD, London, England. Filed Aug. 14, 1922. Serial No. 581,640. 9 Claims. (Cl. 217—7.)



1. In a box or container for cigars, cigarettes and the like, an outer enclosing box body composed of substantially impervious material having a closing lid applied thereto, an inner receptacle composed of thin porous material bent into a laterally closed form for holding the cigars, cigarettes or the like in a vertical attitude, and means for supporting the said inner receptacle at a substantial distance from the walls of said outer box body to provide a space unoccupied except by air about the said inner receptacle and between the same and said box body.

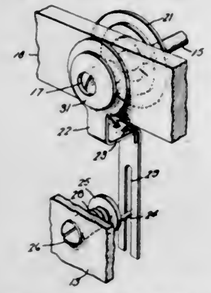
1,501,697. ADDRESSING MACHINE OR LIKE PRINTING MACHINE. LOUIS MAURICE BARMAN, Holborn, London, England, assignor to Roneo Limited, London, England, a Company of Great Britain. Filed Aug. 21, 1922. Serial No. 583,421. 2 Claims. (Cl. 101—49.)

1. In an addressing or like printing machine of the type wherein stencils are automatically fed, from a supply of stencils, between a presser roller and an inking roller; means to rotate said rollers, pivotally mounted rocker arms upon which said presser roller is mounted, a manually operable lever and means operated thereby to actuate said pivotally mounted rocker arms and move said



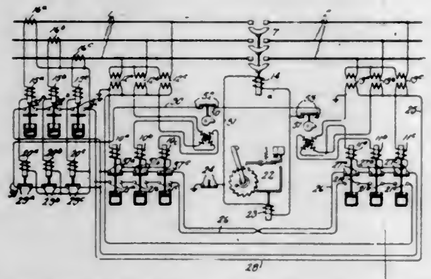
presser roller out of contact with said inking roller whereby a printing operation may be selectively prevented upon a stencil as it passes between said printing and inking rollers.

1,501,698. INDICATING INSTRUMENT. ALBERT R. BECKERT, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 6, 1920. Serial No. 401,805. 1 Claim. (Cl. 171—95.)



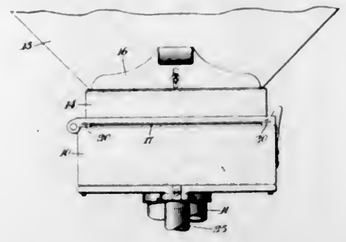
In an indicating instrument, a spirally wound control spring for the movable element, and an angularly adjustable member having non-aligned apertures through which the outer end of the control spring is loosely threaded.

1,501,699. SYSTEM OF ELECTRIC DISTRIBUTION. ELMER F. BLISS, Alplaus, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 1, 1923. Serial No. 655,114. 6 Claims. (Cl. 171—97.)



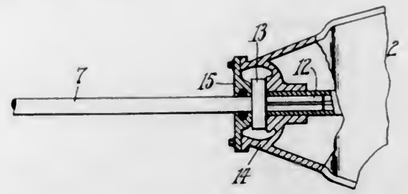
1. In a system of distribution, two electric circuits normally disconnected from each other, means for energizing each circuit, means responsive to the deenergization of either one of said circuits while the other circuit is energized for connecting both circuits together, and means adapted to effect the disconnection of said circuits from each other when the current supplied from one circuit to the other circuit when they are connected together decreases below a predetermined value.

1,501,700. FEEDING ATTACHMENT FOR CROWN-CORK-MAKING MACHINES. ALEXANDER BOGDÁNFFY Brooklyn, N. Y. Filed June 19, 1916. Serial No. 104,525. 5 Claims. (Cl. 113—113.)



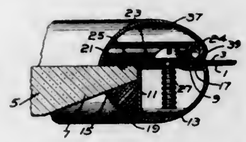
1. In a device of the character described, the combination with a receptacle for a mass of sealing disks of cork or the like; of a movable plate provided with an outlet to discharge said disks; and an outlet chute to receive and stack the same, and consisting of a stationary portion and a movable portion, the latter being adapted to be engaged by said movable plate.

1,501,701. EXTENSIBLE AUTOMOBILE CONSTRUCTION. HOWARD R. BRUAH, Chicago, Ill. Filed July 25, 1917. Serial No. 182,776. 7 Claims. (Cl. 64—89.)



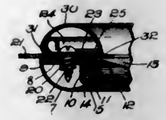
1. In an automobile the combination of a chassis including motor-transmission and propeller-shafts, the side pieces of the frame of which chassis have been lengthened, with a fixed support, a stud-shaft operatively interposed between said motor-transmission and propeller shafts having a collar disposed in abutting relation with said fixed support and a fixed bearing plate for maintaining said collar in said abutting relation to prevent longitudinal movement of said extension shaft.

1,501,702. WINDOW FOR VEHICLES. ALPHONSO S. CAMPBELL, West Medford, Mass., assignor, by mesne assignments, to A. S. Campbell Company, Boston, Mass., a Corporation of Massachusetts. Filed June 14, 1919. Serial No. 304,195. 20 Claims. (Cl. 296—145).



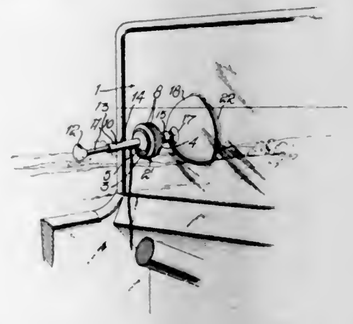
15. A curtain window frame including a continuous glass-surrounding unit for application to one side of a curtain and glass, said unit comprising interior and exterior parts, the interior part providing a strut bearing against the interior of the exterior part, and said exterior part providing at one edge a glass-engaging portion and at the other edge a retaining flange overlying said interior part.

1,501,703. CURTAIN WINDOW. ALPHONSO S. CAMPBELL, West Medford, Mass., assignor to A. S. Campbell Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1921. Serial No. 459,117. 7 Claims. (Cl. 296—45.)



6. A curtain window installation comprising, in combination, a glass carrying frame adapted to be secured to one side of the curtain adjacent the window opening, said frame comprising an angled portion presenting a flange at an angle to the plane of the curtain and a cover frame for said angled portion shaped to provide a filler receiving recess of which said flange forms one wall, filler means seated in said recess and adapted to engage one side of the glass, a glass seated in said frame and means for securing the glass firmly in seated relation upon said filler means.

1,501,704. SPOT OR SEARCH LIGHT ASSEMBLY. OLIVER H. CLARKE, Washington, D. C., assignor, by mesne assignments, to Clymer Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Mar. 17, 1920. Serial No. 366,683. 18 Claims. (Cl. 240—61.)



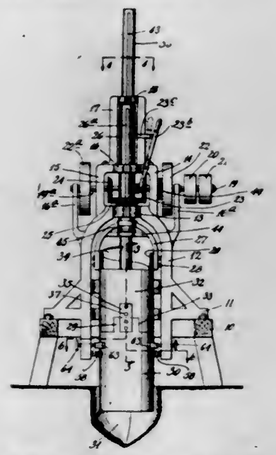
1. In combination, a windshield having an opening, and a spotlight device comprising a central member mounted for universal movement in said opening, a spotlight located on one side and a handle located on the other side of the windshield.

1,501,705. CHANGE-SPEED APPARATUS. ROBERT DECOUX, Ceney, Belgium. Filed June 8, 1920. Serial No. 387,410. 6 Claims. (Cl. 64—8.)



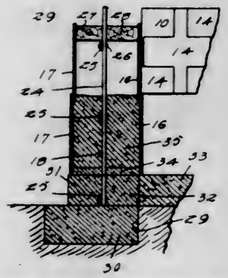
1. A change speed apparatus comprising a drive and a driven pulley, a flexible power transmitting member led over said pulleys, means for varying the operative diameters of the pulleys, and means for automatically varying the tension of the said flexible member in accordance with the working conditions.

1,501,706. CONVEYING AND EXCAVATING MACHINE. WENCESLAO GOIZUETA Y LÓPEZ DE ZUBIRIA, Milagro, Spain. Filed July 7, 1922. Serial No. 573,340. 11 Claims. (Cl. 255—21.)



1. A device of the character described comprising a frame, an Archimedean screw mounted in said frame for reciprocation therein, means to prevent said screw from rotating, a casing substantially enclosing said screw and means to rotate said casing.

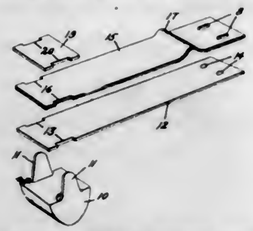
1,501,707. PROCESS OF AND APPARATUS FOR MAKING CONCRETE WALLS. AUGUST W. DUBE, Lexington, Tex. Filed Apr. 1, 1922. Serial No. 548,671. 5 Claims. (Cl. 25—124.)



5. The process of constructing a wall consisting in arranging a reinforcing frame for the wall with a core enclosed thereby and spaced therefrom, in laying a course of concrete intermediate said core and frame and outside of the frame, in elevating said core, in providing mold means about said core and enclosing said frame, applying spacing means intermediate the mold means and frame at the base thereof, in laying a course of concrete within the mold means, and which course positions the mold means at the base thereof, in then raising the spacing means to position the mold means at the top thereof, and in laying a course of concrete on the second mentioned course.

1,501,708. CONTROLLER FINGER. LAURENT A. FROBERGER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 7, 1921. Serial No. 505,971. 5 Claims. (Cl. 200—171.)

5. A controller finger comprising an elongated spring member provided at one end with oppositely disposed notches, a similar shaped notched copper shunt superimposed thereon, a similarly notched metallic washer superimposed on said shunt and a contact button provided with integral ears which enter the notches in said



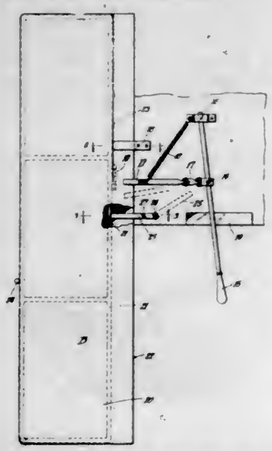
parts and are bent over and pressed down onto the washer so as to firmly grip the parts between the bent over portion of the ears and the main body of the button.

1,501,709. TILE AND TERRA-COTTA BLOCK. WILLIAM HENRY GRUEBY, New York, N. Y. Filed Sept. 13, 1922. Serial No. 587,886. 5 Claims. (Cl. 72—29.)



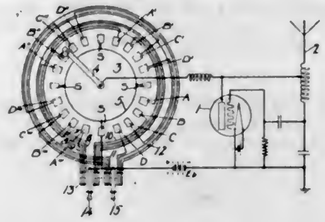
1. A tile block having an outer substantially flat facing side and an inner surface provided with inwardly-extending projections at the middle portion and at opposite ends, the middle projection having a vertically-disposed recess of suitable dimensions wholly within the same and the end projections having recesses of a portion of the area of the recess of the middle projection, whereby when stacked two of the end recesses will register with a middle recess to form continuous channels.

1,501,710. VISOR HOLDING AND FEEDING MECHANISM FOR SEWING MACHINES. WILLIAM C. GRUNOW and AUGUST J. WIEGAND, Chicago, Ill., assignors to Grigsby-Grunow-Hinds Co., Chicago, Ill., a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,603. 8 Claims. (Cl. 112—207.)



1. In a mechanism for sewing machines for holding and feeding flat open bag-like visor covers with frames therein including a lever controlled device for gripping and pulling the open side of the visor cover taut over the frame, said device being manually operable and yieldingly mounted so as to move with the visor as it is fed along while being sewed.

1,501,711. DISTANT CONTROL SYSTEM. RAYMOND A. HEISING, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,101. Renewed March 13, 1924. 11 Claims. (Cl. 250—2.)



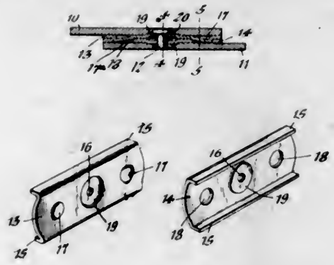
1. The method of distant selective control which comprises transmitting a group of oscillations at a selected period within a timing cycle to determine the particular one of a plurality of distant controls to be actuated, and determining the degree of actuation of a selected distant control by the number of successive timing cycles in which said group of oscillations is transmitted at the corresponding selected period of each cycle.

1,501,712. RULE. JAMES H. MCCAFFREY, Buffalo, N. Y. Filed Dec. 23, 1920. Serial No. 432,807. 2 Claims. (Cl. 33—107.)



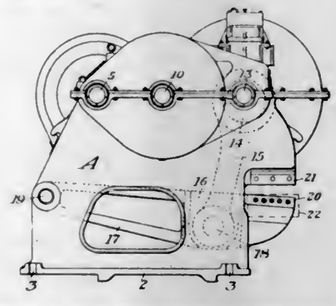
1. A rule having a U-shaped clip embracing its end and its sides, said clip having a series of graduations arranged transversely of the end of the rule and extending continuously from one side of the clip to the other, and means for securing said clip to the rule.

1,501,713. FOLDING RULE. JAMES H. MCCAFFREY, Buffalo, N. Y. Filed Dec. 21, 1923. Serial No. 681,949. 5 Claims. (Cl. 33—120.)



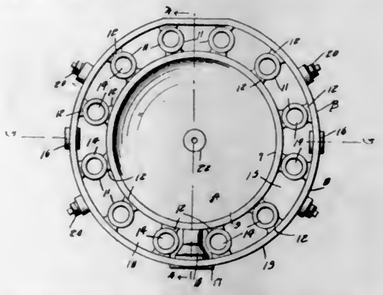
1. The combination of a pair of adjoining rule-sections, joint-plates secured to the respective sections and having opposing dished portions forming springs, the concave sides of said dished portions facing each other, and a pivot connecting said plates and passing through said dished portions, the plates being provided with complemental locking devices arranged to interlock in the folded and unfolded positions of the sections.

1,501,714. SHEARS. RICHARD W. MOSES, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1923. Serial No. 620,365. 3 Claims. (Cl. 164—47.)



1. In a shearing mechanism, a frame having a portion arranged to overhang a roll table and having the portion thereof below said overhanging portion arranged to lie substantially wholly at one side of said roll table, a fixed knife carried by said overhanging portion, a lever pivoted to said frame and projecting at one end beneath said overhanging portion, a knife carried by said projecting end for co-operating with said fixed knife, and means for operating said lever, substantially as described.

1,501,715. CYLINDER HEAD. RODER W. NYBERG, Picher, Okla. Filed Jan. 19, 1922. Serial No. 530,423. 1 Claim. (Cl. 123—173.)



A cylinder head comprising hollow cylindrical members of relatively different diameters and altitudes and closed at their upper ends, the members fitting one within the other with their end and lateral walls relatively spaced, tubes positioned between the lateral walls of said members and passing through the end wall of the larger member, and said tubes being welded to said lateral walls from end to end of the lines of contact of the tubes therewith and to the end wall to hold the members against relative lateral and longitudinal movements.

1,501,716. BROACH. JOHN OAKLEY, Springfield, Mass. Filed Apr. 12, 1921. Serial No. 460,730. 21 Claims. (Cl. 90—33.)



1. As an improved article of manufacture, a broach comprising a divided shank, and an inserted cutter bar having teeth formed on the exposed edge thereof, and

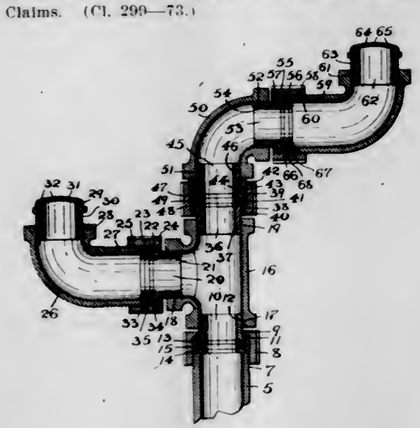
side chip-clearance passages therein extending from said edge to the opposite edge, said shank having a longitudinal passage therein into which said first-named passages open at their inner ends.

1,501,717. ENVELOPE-FASTENER STRIP. ALBERT OLGAY, Glenellyn, Ill., assignor to Gaw-O'Hara Envelope Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1923. Serial No. 617,182. 1 Claim. (Cl. 85—17.)



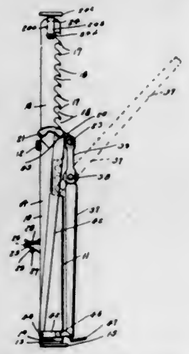
An integral strip of envelope fasteners comprising a series of tubular bodies adapted to be individually attached to envelopes, each body being provided at one end with a circumferential flange extended laterally at opposite sides to provide integral, pliant, smooth edged fastening wings adapted to be disposed in parallelism for insertion through the opening of an envelope flap, adjacent fasteners in said strip being connected together by necks integral with and extending from said flanges at right angles to the longitudinal axes of said wings to thereby provide a continuous flexible strip of fasteners in which said wings project laterally in both directions from the longitudinal axis of said strip, said strip being adapted to be rolled up on a spool or the like for feeding purposes.

1,501,718. SPRINKLER. LEO OLSCHEWSKI, Irvington, N. J. Filed Dec. 6, 1921. Serial No. 520,384. 2 Claims. (Cl. 299—73.)



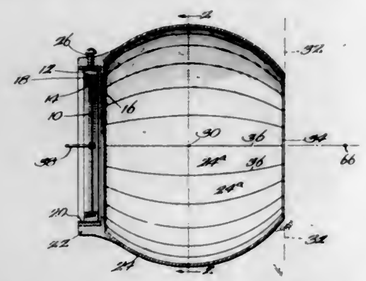
1. A sprinkler comprising a stand-pipe having a screw-threaded portion, a flanged union screwed thereon, a screw-threaded and flanged coupling connected with said union, a packing between said union and coupling and the end of said stand-pipe, a T-fitting screwed upon said coupling, a screw-threaded and flanged coupling connected with one of the outlets of said T-fitting, a flanged union rotatably connected with said last-mentioned coupling, an elbow screwed into said last-mentioned union, and a sprinkler-cap connected with said elbow, a packing between said coupling and union and the end of said elbow, a flanged and screw-threaded coupling screwed into the other outlet of said T-fitting, a flanged and screw-threaded union rotatably connected with said last-mentioned coupling, a screw-threaded sleeve screwed into said last-mentioned union, another flanged and screw-threaded coupling screwed into said sleeve, an elbow screwed upon said latter coupling, a packing between the flanged end portions of said last-mentioned couplings, a flanged and screw-threaded coupling screwed into the outlet-portion of said last-mentioned elbow, a flanged and screw-threaded union connected with said last-mentioned coupling, an elbow screwed into said last-mentioned union, and a sprinkler-cap connected with said last-mentioned elbow, and a packing between said last-mentioned coupling and union and the said last-mentioned elbow.

1,501,719. EMERGENCY JACK. EDWIN J. OXFORD and JAMES PETR, Chambers, Nebr. Filed Oct. 17, 1922. Serial No. 595,089. 2 Claims. (Cl. 254—120.)



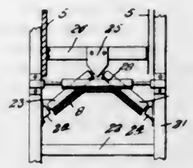
1. A jack having a standard provided with spaced uprights forming a slot open at one side of the standard, a lifting member operable between the uprights, said lifting member having an object-engaging means extending through and beyond said slot, a bridge integral with and connecting said uprights above the slot, ears integral with an extending from the uprights substantially opposite said bridge, a pawl to coact with the lifting member, a pin pivotally securing said pawl to said ears, links depending from said pin, an operating finger and a stud integral with said pawl, said operating finger and said stud extending in opposite directions, said stud being pivoted on said pin intermediate said links, an operating lever pivoted to said links, and said standard being cut away below the ears to facilitate engagement of said lever with said lifting member.

1,501,720. SOUND AMPLIFIER FOR PHONOGRAPHS. HOWARD L. PAGE, Chicago, Ill. Filed Dec. 27, 1921. Serial No. 524,893. 2 Claims. (Cl. 274—25.)



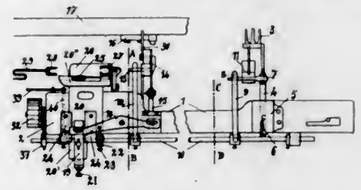
1. In mechanism of the class described, a hollow sphere, of vibratable, sound transmittable material, cut away on one side to form an opening for a vibratable diaphragm, a vibratable diaphragm at said opening and means for shifting the diaphragm towards and from the sphere center, for the purposes set forth.

1,501,721. CONVEYER. CHARLES V. PETERSON, Braham, Minn. Filed July 13, 1923. Serial No. 651,230. 2 Claims. (Cl. 198—230.)



1. A conveyer of the class described comprising an elongated frame having a longitudinal series of transverse idler rollers journaled therebetween, an endless belt passing above and below said rollers and having the upper flight thereof resting on said rollers, said rollers being of spool shape in elevation for troughing the upper flight of the belt, transverse oppositely inclined idler rollers above the return flight of the conveyer belt for flexing the longitudinal edges of the return flight of the belt downwardly, and a further idler roller for holding the return flight of the belt in contact with the lower surfaces of said transverse inclined rollers.

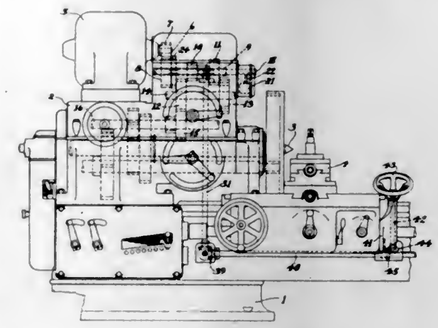
1,501,722. AUTOMATIC APPARATUS FOR CHANGING THE WEFT BOBBINS IN LOOMS. LÉOPOLD POLET, Gennevilliers, France. Filed Nov. 25, 1921. Serial No. 517,481. 11 Claims. (Cl. 139—243.)



1. Automatic bobbin changing mechanism for looms having a lay, a weft fork mechanism, and a breast beam, said changing mechanism comprising a shaft rotatably carried by and extending along the breast beam, an arm fixed on said shaft and having a cam surface thereon, a member carried by the beam for movement into and out of engagement with said cam surface for operating the arm and shaft into one position when moved in one direction and for releasing them when moved in another direction, means controlled by the weft fork mechanism for operating the member, a tappet moving with the lay toward and from the beam, horizontally operating charging mechanism carried by the beam, a magazine to supply bobbins to said charging mechanism, an operating interponent connected with said charging mechanism and movable into and out of the path of the tappet, a second arm on the shaft and operable upon the interponent to hold it out of the path of the tappet when the first mentioned arm is operated by the member into said one position, whereby when the first arm and shaft are released and the interponent is allowed to move into the path of the tappet on the lay, the lay will act through the interponent to effect a charging of the shuttle with a new bobbin.

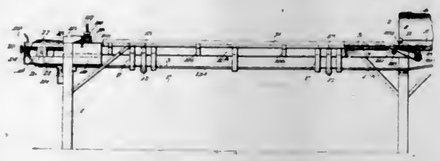
1,501,723. LATHE-CONTROLLING MECHANISM. CLIFFORD F. RANDOLPH, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 25, 1920. Serial No. 406,014. 26 Claims. (Cl. 82—2.)

1. A machine control mechanism in combination with a machine having a spindle and a movable carriage, power means for operating the spindle, a change speed mechanism for varying the speed of such operation, a brake for stopping the spindle operation, means for shifting the change speed mechanism to change the speed of operation, means for controlling the brake, and a single means on the carriage for operating the last two mentioned means.



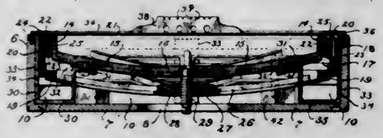
15. In a machine control mechanism, in combination with a machine having a speed change mechanism, an electric control box for the drive motor thereof and a friction brake, a rod operatively engaging the brake and having a plurality of notches therein adapted to be successively engaged by a switch button extending from the control box, a rod operatively engaging the speed change mechanism, and a single means for operating both rods, movement of the single means in one direction permitting the said button to momentarily drop into the first notch to close the motor switch through the control box whereby to slightly rotate the motor and bring the teeth of the speed change mechanism into a meshing position, and the continued movement of the single means operating directly thereafter to engage the speed change mechanism, throw off the brake and close the switch, and movement thereof in the opposite direction being adapted to perform the reverse of such operations.

1,501,724. APPARATUS FOR COOLING AND CHILLING HOT CHOCOLATE AND OTHER CONFECTION-COVERED CAKES. PETER RASMUSSEN, Denver, Colo., assignor of one-half to Stephen Knight, Denver, Colo. Filed Sept. 23, 1922. Serial No. 590,205. 26 Claims. (Cl. 34—12.)



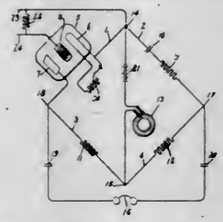
3. A hot chocolate chilling apparatus consisting of a hot chocolate covered cake conveying system, an enclosed conveyor way through which said chocolate covered cakes are conveyed, means including an air cooling and chilling apparatus for maintaining a chocolate cooling and chilling atmosphere in said enclosed conveyor way, and connected to the entrance end portion of said way and arranged to deliver cool air into said enclosed way, said conveyor comprising an endless belt, which passes through said enclosed way and beyond each end of the same to provide a receiving terminal for hot chocolate covered cakes from a source of supply, and a portion from which the cakes are removed, and means for loosening the chilled chocolate covered cakes at the discharge end of the enclosed way.

1,501,725. MUSICAL INSTRUMENT. ADAM J. REGER, Philadelphia, Pa. Filed Oct. 24, 1921. Serial No. 509,952. 5 Claims. (Cl. 84—272.)



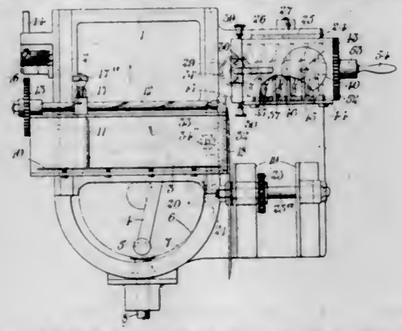
2. A musical instrument including a member having an upwardly extending ring shaped portion, means providing a support for said member, a head supported by the ring portion and having a portion extending around the outer side of said ring portion, a member having a flange portion providing a shoulder for engagement with the head portion extending around the ring portion, and means for moving the members relatively to each other to increase or decrease the tension of the head.

1,501,726. SIGNALING SYSTEM. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 5, 1919. Serial No. 301,987. 6 Claims. (Cl. 179—171.)



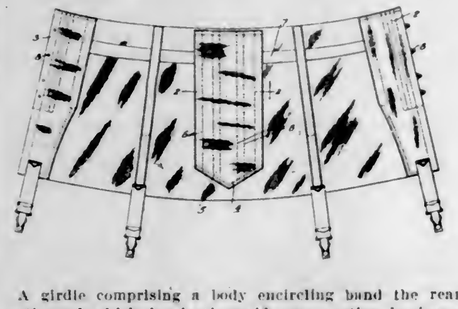
1. The combination in a signaling system of a source of signaling current of inaudible frequency, a Wheatstone bridge, a source of current of audible frequency connected to two opposite terminals of said bridge, a receiving device connected to the other two opposite terminals of said bridge, said bridge being normally so adjusted that no audible frequency current will flow through said receiving device, an electron discharge relay in one arm of said bridge and means actuated by the signaling current for varying the resistance of said relay and thereby causing an audible frequency current to flow in said receiving device.

1,501,727. MACHINE FOR SPREADING BREAD WITH BUTTER OR THE LIKE. CHARLES HENRY ROBINS, Kettering, England, assignor to Charles Wicksteed & Company (1920) Limited, Kettering, Northamptonshire, England, a British Company. Filed Sept. 22, 1922. Serial No. 589,869. 10 Claims. (Cl. 91—14.)



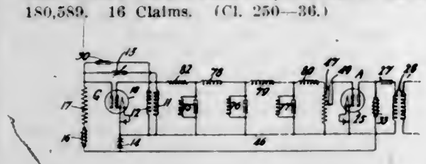
1. In a machine for spreading bread with butter or like spreadable material, the combination of a container for holding the spreadable material and having a delivery opening, a single roller only mounted to rotate in said opening and forming with one edge thereof a delivery outlet, a bread carrier for presenting bread in front of said opening, which bread-carrier and container are movable one in relation to the other so as to traverse the bread in front of said opening, feeding means in the container for feeding the material through the said outlet to the face of the bread moving in front of the same, said roller being arranged to roll in contact with said face of the bread and having its periphery so shaped that it is adapted to hold the said material and feed it outside said opening from the outlet at one side of the roller to the other side thereof, and spreading means situated at the side of said roller remote from said outlet for spreading the material on the bread after the material has been fed onto the bread, substantially as described.

1,501,728. GIRDLE. LOTTIE G. ROSENBAUM, New Rochelle, N. Y. Filed June 29, 1923. Serial No. 648,429. 1 Claim. (Cl. 2—43.)



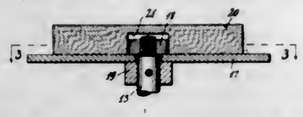
A girdle comprising a body encircling band the rear portion of which is elastic, said rear portion having a zone stiffened by vertical strips and an inelastic fabric substantially coextensive with said zone for preventing twisting of the strips during the stretching of the band.

1,501,729. OSCILLATION GENERATOR. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1917. Serial No. 180,589. 16 Claims. (Cl. 250—36.)



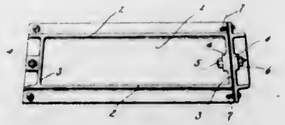
1. The combination with a source of oscillations, of means for suppressing the undesired oscillations from said source, and of a resistance adapted to prevent said means from reacting upon said source.

1,501,730. GRINDING WHEEL. PHILIP SIEGEL, Guttenberg, N. J. Filed Sept. 9, 1921. Serial No. 499,500. 1 Claim. (Cl. 51—209.)



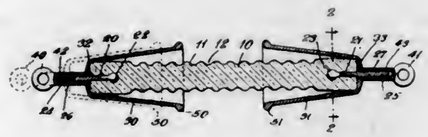
A portable grinding device comprising a supporting plate mounted to rotate upon a vertical axis and having an upper plane surface, a cylindrical grinding wheel of smaller diameter than said plate, having upper and lower plane surfaces, and detachably mounted on said plate so as to expose the entire cylindrical periphery and the upper plane surface of said wheel, whereby said wheel may be used either for peripheral or face grinding, one of said elements being provided with a central recess and the other having a projection adapted to be received within said recess, said recess and projection being of non-circular form to compel said wheel to rotate with said plate, said plate by virtue of its larger diameter extending beyond said wheel to provide a guiding surface for articles to be ground upon the periphery of said wheel, a shaft upon the end of which said plate is secured, and means to drive said shaft, said shaft projecting beyond said driving means a sufficient distance to permit free unobstructed access to said grinding wheel.

1,501,731. MOLDING JACKET. JOHN A. SPERRY, Munnsville, N. Y. Filed Apr. 19, 1922. Serial No. 555,576. 2 Claims. (Cl. 22—112.)



1. A device of the class described comprising a plurality of plates, adapted to be assembled in successively overlapping relation, fastening devices in the ends of said plates intermediate the edges thereof and a pair of stops disposed in the overlapping end of each of said plates and adapted to overlie the plate secured to said overlapping end.

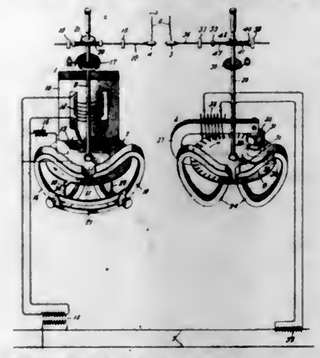
1,501,732. COLUMN-STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Dec. 10, 1918. Serial No. 266,051. 4 Claims. (Cl. 173—318.)



1. In a device of the kind described, an insulator body, members forming stress distributors molded within its ends, the molded-in portions of the stress distributors being provided with globular shaped ends, the outwardly extending portions thereof being screw-threaded, bell shaped terminals one at each end of the insulator body, the skirts of which surround the body of insulating material and the base portions of each being provided with means for engagement with the screw-threaded portions of the stress distributors, and fastening members fitting the screw-threaded portions of the stress distributors constructed to respectively engage the base portions of the bell shaped terminals.

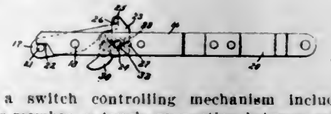
1,501,733. RELAY. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 12, 1923. Serial No. 662,162. 10 Claims. (Cl. 175—294.)

1. In combination with an electric circuit, a relay comprising relatively movable cooperating contacts, a movable member for controlling one of said contacts controlled by the current in said circuit arranged upon the occurrence of current above a predetermined value to move said contact at a speed dependent upon the current, and a second movable member for controlling another of said contacts controlled by the voltage of said circuit and biased for movement in one direction arranged to assume a position dependent upon the voltage whereby the time interval between the occurrence of current



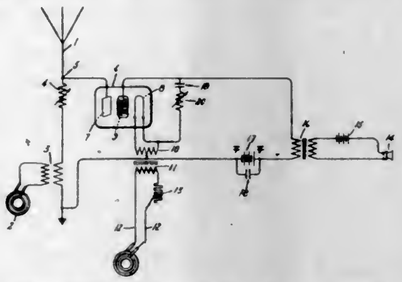
above a predetermined value and the engagement of said contacts is dependent upon the voltage and the current of said circuit.

1,501,734. ELECTRIC-SWITCH-CONTROLLING MECHANISM. LUDWIG S. WALLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1923. Serial No. 673,582. 2 Claims. (Cl. 200—109.)



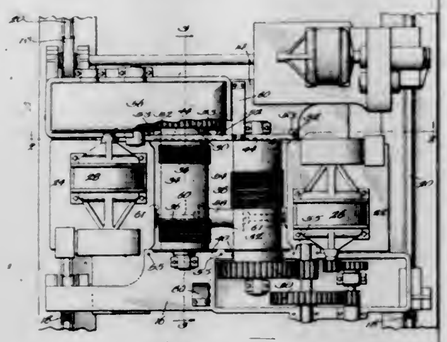
1. In a switch controlling mechanism including an operating member, a toggle connection between said operating member and said switch comprising a pair of members pivoted to each other and having cooperating portions for limiting relative pivotal movement in one direction, a main latch for said toggle carried by one of said members and adapted to engage one portion of the other of said members and a second latch carried by said first latch adapted to engage another portion of said other member.

1,501,735. WIRELESS SIGNALING SYSTEM. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 5, 1915. Serial No. 32,367. 14 Claims. (Cl. 250—6.)



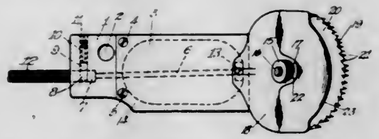
1. The combination in a system for the transmission of wireless signals of an electron discharge relay comprising an anode, a cathode and a grid, means for impressing an alternating potential of high frequency upon the anode of said relay and a connection between the cathode and grid of said relay which offers a low impedance to high frequency current whereby large high frequency potential differences between grid and cathode are prevented.

1,501,736. ROPE GUARD FOR CRANE TROLLEYS. BRADFORD H. WHITING, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Jan. 27, 1923. Serial No. 615,217. 2 Claims. (Cl. 254—184.)



1. In mechanism of the class described, in combination with trolley sides, spaced drums connecting said trolley sides, guard plates at the ends of the drums, respectively, and a roller carried by each guard plate and extending across the space between the drums.

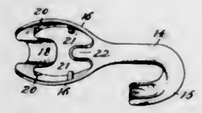
1,501,737. HAIR CLIPPERS. EDWIN F. ALLIN, Oklahoma City, Okla. Filed July 5, 1923. Serial No. 649,477. 1 Claim. (Cl. 30—1.)



A device of the character stated embodying a hollow handle with thickened end portions, a shaft extended lengthwise of and within said handle and having its ends journaled in said end portions, with one end extended, the under side of the end portion through which said shaft extends being inclined, a stationary blade disposed parallel with said inclined face with one end bearing against the bottom edge of said end, a cutter blade likewise inclined and bearing on said stationary blade, a gear on the extended end of said shaft, a gear rigid with the cutter blade and disposed upon the upper face thereof and meshing with the first-named gear, a cover plate over the chamber of the handle and resting on said end portions, a top plate having one side resting on said cover plate and its opposite side bearing frictionally on the outer edge of the cutter blade, and a bolt passed through said top plate, stationary and cutter blades, and an adjustable tension spring on said bolt.

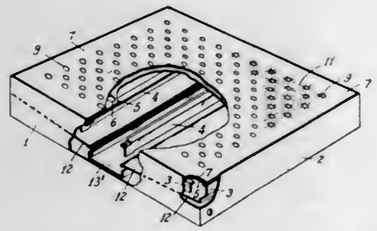
1,501,738. SPRING-TONGUE SNAP-HOOK. JOHN B. BAXTER, Troy, N. Y., assignor to Covert Manufacturing Co., Troy, N. Y., a Corporation of New York. Filed Dec. 8, 1920. Serial No. 429,126. 6 Claims. (Cl. 24—236.)

1. A snap hook of the character described comprising a shank having a bill on one end and a frame structure on the opposite end, said frame structure comprising sides which are normally spaced apart to form an open top and end, a projection extending from one side, a tongue formed on the shank and extending into the frame structure, said tongue being disconnected from the sides of the frame, and a substantially U-shaped spring tongue carried by the frame, one arm of the spring tongue adapted to engage the bill in the other arm adapted to engage the tongue which extends into the frame, the sides of the frame adapted to be moved inwardly to engage the edges of the arm of the spring tongue with the projection en-



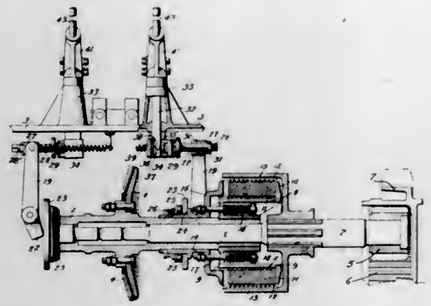
gaging the face of the arm opposite to that engaged by the tongue, and portions of the end of the frame being offset to overlie the outer face of the closed end of the spring tongue.

1,501,739. BATH MAT. ALFRED BENEDEK, New York, N. Y. Filed Mar. 3, 1923. Serial No. 622,524. 10 Claims. (Cl. 20—78.)



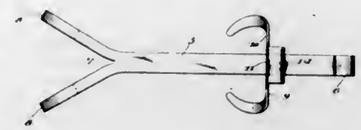
1. In an article of the character described, the combination of a receptacle, a cover therefor, provided with apertures and a mat provided with apertured nipples adapted to extend into the apertures in the cover.

1,501,740. CLUTCH-CONTROL MECHANISM. CLARENCE LEO BEST, San Leandro, Calif., assignor to C. L. Best Gas Traction Company, San Leandro, Calif., a Corporation of California. Filed Dec. 30, 1920. Serial No. 434,053. 9 Claims. (Cl. 192—99.)



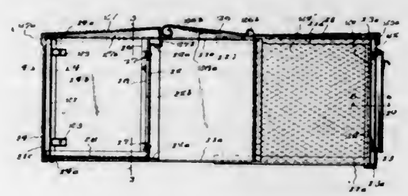
1. The combination with a clutch having an axially movable actuating collar, and yieldable means acting to normally maintain the actuating collar in operative position, of releasing means including a pair of levers pivoted intermediate their ends, the levers being positioned with the end portions thereof at one side of their fulcrums arranged to engage the actuating collar at opposite sides of its central part, and adapted, when operated, to shift the actuating collar to inoperative position, an equalizer bar pivotally connected at opposite end portions with the end portions of the levers at the other side of their fulcrums, a rotary shaft disposed at right angles to the equalizer bar, and means on the shaft engaging a part on the equalizer bar intermediate the ends thereof to bodily shift the equalizer bar laterally of the shaft upon turning the same.

1,501,741. KITCHEN UTENSIL. ROBERT M. BIGGS, Wakefield, Mass. Filed Dec. 14, 1922. Serial No. 606,957. 1 Claim. (Cl. 294—34.)



A cooking receptacle supporting device comprising shank, and a movable member having its rear portion formed with a U-shaped attaching portion having spaced substantially parallel legs provided with slots receiving said shank, the lower portion of said movable member and the forward portion of said shank being divided and curved longitudinally in opposite direction to provide pairs of utensil engaging arms, the terminal portions of said utensil engaging arms being adapted for contact with opposite sides of a cooking utensil and the remaining portion of said arms being curved away and upwardly from the cooking utensil to space the major portion of the shank a substantial distance above the cooking utensil whereby the shank may be manually engaged at a point between said arms.

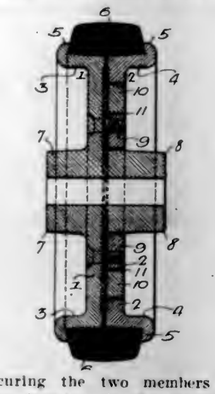
1,501,742. POULTRY HOUSE. JOSEPH L. BOISVERT, Bourbonnais, Ill. Filed Aug. 18, 1922. Serial No. 582,721. 2 Claims. (Cl. 119—19.)



1. A collapsible poultry house comprising side walls having upper and lower inwardly directed longitudinal flanges, end walls having horizontal flanges swingingly connected to the upper and lower flanges of one of said side walls and having vertical flanges joined with said horizontal flanges, a partition having upper and lower flanges swingingly connected to the upper and lower flanges of the side wall opposite the side wall having the flanges to which the end walls are connected, and a top having flanges extending over the side walls and having an end flange over and engaging the upper flange of said partition.

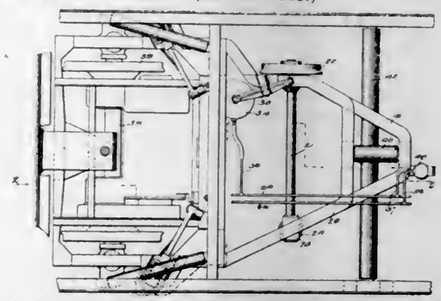
1,501,743. CASTER WHEEL. JAMES BOWEN, Manheim, Pa., assignor to Bond Foundry and Machine Company, Manheim, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1923. Serial No. 621,610. 2 Claims. (Cl. 301—63.)

1. The combination in a wheel for trucks and the like of two circular members each having an undercut beveled flange, a rubber tire fitting the space between the flanges, one member having a hub the other member having an opening through which the hub extends; lugs on one member fitting holes in the other members,



and screws securing the two members together and clamping the tire between the flanges of the members.

1,501,744. CAR TRUCK. SAMUEL BOWER BRILHART, New York, N. Y. Filed Nov. 22, 1922. Serial No. 602,587. 8 Claims. (Cl. 105—165.)



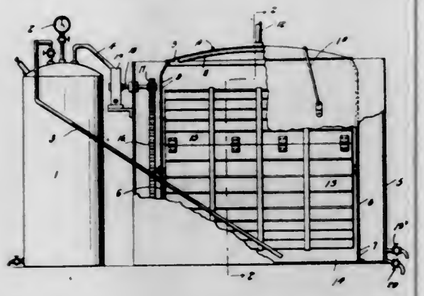
1. A car truck, comprising a frame, a supporting axle provided with two supporting wheels, means for mounting the frame on said axle, a steering wheel carried by said frame, means for raising and lowering said steering wheel so as to move the same into and out of engagement with the track, and means for locking said frame against lateral swinging movement.

1,501,745. METALLIC PENCIL. FRANCIS CARROLL, Yonkers, N. Y. Filed Sept. 27, 1923. Serial No. 665,209. 3 Claims. (Cl. 120—83.)



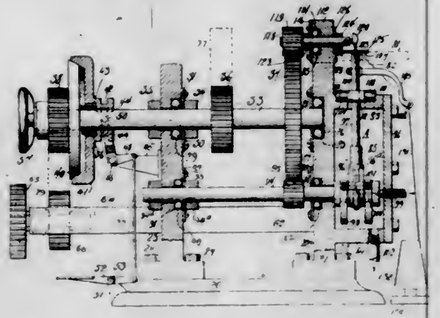
1. As a new article of manufacture, a writing pencil formed of a lead alloy containing mercury determining the degree of hardness of the pencil

1,501,746. WASHING MACHINE. MARTIN W. CARTER, Toccoa, Ga. Filed Mar. 31, 1923. Serial No. 629,058. 1 Claim. (Cl. 68—18.)



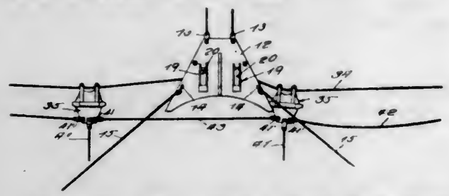
A washing machine comprising a vessel, upright partitions in opposite end portions of the vessel forming end spaces and an intermediate chamber, said partitions having openings in their upper and lower end portions, a drum within the chamber journaled in said partitions, gearing in one of the end spaces for operating the drum, means for operating said gearing to impart rotary movement to the drum, a cover for closing the chamber, and a pipe carried by said cover for supplying rinse water thereto.

1,501,747. HEMMING MACHINE. WILLIAM CASE, St. Louis, Mo., assignor to the E. V. Benjamin Company, Inc., New Orleans, La., a Corporation of Louisiana. Filed Nov. 26, 1920. Serial No. 426,373. 4 Claims. (Cl. 112—2.)



3. In a machine of the character described the combination of a rotating main shaft, a second shaft journaled in the machine, connections between the shafts, a looper shaft journaled in the machine, connections between the main shaft and the looper shaft, a looper connected to the looper shaft, a chamber having a roof formed with the machine and the said second shaft extending into said chamber, an eccentric fastened to the second shaft in said chamber, an eccentric strap for said eccentric, a needle bar carried by the strap and extending through the roof of the chamber, a needle carried by the needle bar, a journal bracket in the roof of the chamber, an oscillating guide having a guide opening supported in said journal bracket and guiding the upper end of the needle bar and a pair of guides to guide a hem in the material operated upon above said needle bar, said guides having an opening to enable said needle to pass therethrough, said needle having an eye for a thread which is carried through said material and engaged by said looper after passing therethrough.

1,501,748. SUSPENDED CABLE CARRIER. RAY K. CHAPMAN and ERNEST G. MESSER, Elma, Wash. Filed Sept. 19, 1923, Serial No. 663,638. Renewed June 12, 1924. 8 Claims. (Cl. 104—182.)



1. In a cable carrier system, a cable carrier including spaced side members, cable supports slidably mounted in said side members and shiftable toward and away from one another, means normally holding the cable supports in engaged relation, means locking the cable supports against separation when the weight of a cable is superimposed thereon, and a cable carriage adapted to travel upon the cable and to elevate the cable from the supports to thereby permit unlocking and separation of the cable supports during passage of the carriage.

1,501,749. KNIFE SHARPENER. CHARLES CHISEWER, Chicago, Ill. Filed Dec. 27, 1922. Serial No. 609,254. 1 Claim. (Cl. 76—87.)



A knife sharpener including a handle consisting of a flat piece of sheet metal of the same thickness throughout its length, having one end forked to form divergent spaced arms, the outer ends of said arms having transverse openings therethrough, hardened steel discs positioned against one face of said arms and having their peripheries in normal contacting position with respect to each other, said discs having central openings therethrough, the openings in said discs being of greater diameter than the openings in the arms, bolts extending in a straight transverse line through said openings whereby to mount the discs for adjustment with respect to the arms, and nuts threaded on one end of the bolts in clamping engagement with the arms to retain the discs in adjusted positions.

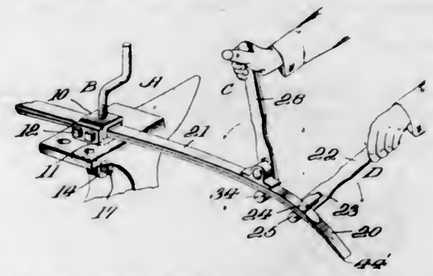
1,501,750. HAIRPIN. MYRTLE COLBY, Calexico, Calif. Filed June 19, 1923. Serial No. 646,288. 1 Claim. (Cl. 132—50.)



A hair pin including a single wire member formed centrally into an open loop portion, the ends extending diagonally outward from said loop portion and

terminating in inwardly extending portions from which the ends of the member extend in parallel spaced relation, the junction of the inward and outward portions forming shoulders, said shoulders being spaced apart a distance equal to the transverse dimension of the loop, the ends of said member being spaced apart a distance substantially less than the distance between the shoulders, and the space at the juncture of the loop and the outwardly extending end portions being substantially less than the distance between the parallel ends, whereby the inwardly extending portion will separate the hair for providing a passage for the loop, and the outwardly extending portions from the loop will compress the hair received between the parallel ends for subsequent expansion within the loop to secure the hair pin in place.

1,501,751. METAL-WORKING TOOL. CHARLES W. CRANNELL, Chappel, Nebr., assignor of one-half to Benjamin J. Connor, Chappel, Nebr. Filed Aug. 14, 1922. Serial No. 581,686. 7 Claims. (Cl. 153—32.)



1. A set of tools for working metal springs or the like, comprising a combination of a metal holding tool, a metal working member comprising an operating handle having two outwardly extending members in separated parallel relation, the inner extending member of the working member provided with a metal working tool having a flat elongated base with beveled ends, and the metal working tool adapted to be moved along the work, for the purpose described.

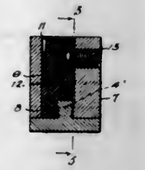
1,501,752. SAW-BLADE HOLDER. ERNEST E. CULLEN, New Baltimore, Mich., assignor of one-half to Robert H. Reiter, New Baltimore, Mich. Filed May 9, 1923. Serial No. 637,677. 8 Claims. (Cl. 145—31.)



1. A saw blade holder, having in combination a support provided with a laterally projecting arm, a clamping vice supported by said arm, and means for clamping the jaws of the vise to hold the saw blade in a plane offset from the plane of the support.

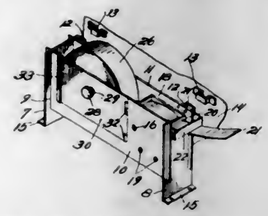
1,501,753. QUOIN. JAMES J. CURTIS, New York, N. Y. Filed May 8, 1923. Serial No. 637,546. 5 Claims. (Cl. 254—42.)

1. A quoin of the character described, comprising a body provided with a bead and arranged at an angle to the bottom of the body, said body being provided with a pair of upstanding members at one end forming a groove therebetween, said body at said upstanding members being provided with an opening, a clamping block arranged in said opening, said clamping block being



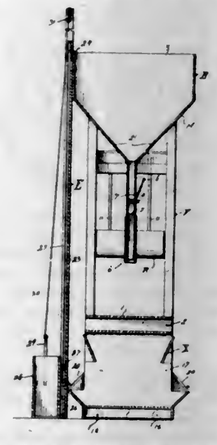
formed with a pivotal point, and a set screw carried by one of said upstanding members for swinging said block on its pivotal point for causing the same to operate as a lock for locking a co-acting quoin in place.

1,501,754. TAPE DISPENSING AND MOISTENING DEVICE. JULIUS CYTRON, Tulsa, Okla. Filed Dec. 11, 1922. Serial No. 606,177. 4 Claims. (Cl. 91—14.5.)



1. A tape dispensing and moistening device comprising a knock-down receptacle composed of side and end members formed with slots for detachable engagement at the corners of the receptacle, a moistener provided with a container supported in one end of said receptacle, a tape-roll holder journaled between said side members in line with said container, said container being provided with slot openings for the passage of the tape over said moistener, and a tape-tearing device secured in position adjacent the top of said container.

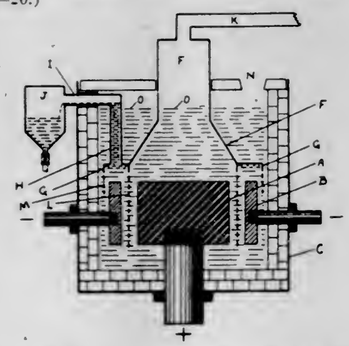
1,501,755. DISPENSING APPARATUS. JAMES ELIS DANKWORTH, Ballinger, Texas. Filed May 2, 1923. Serial No. 636,222. 4 Claims. (Cl. 211—6.)



1. An apparatus of the class described comprising a bin, partitions dividing the same into a plurality of compartments, a hopper common to all of the compartments

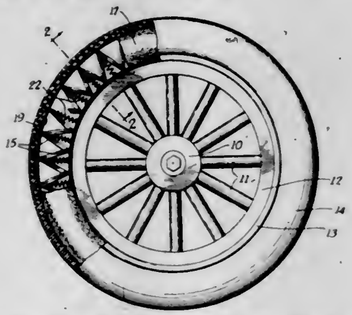
provided with a discharge, a separate valve for each of the compartments for controlling the discharge therefrom wit in the hopper, and an individual supplemental compartment in connection with each of the first named compartments at a point above the valve associated with said first named compartments, said supplemental compartment being arranged exteriorly of the bin.

1,501,756. ELECTROLYTIC PROCESS AND CELL. JAMES CLOYD DOWNS, Niagara Falls, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,582. 23 Claims. (Cl. 204—20.)



1. In combination in an electrolytic cell for producing alkali metal and a halogen from fused alkali metal halide, a compartment for the reception of the material to be electrolyzed, a submerged compartment for the collection and delivery of the halogen, and a compartment for the collection and delivery of alkali metal.

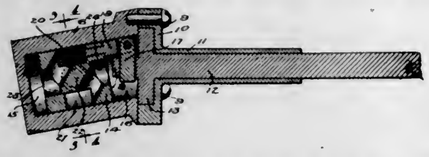
1,501,757. SPRING VEHICLE WHEEL. JOHN DISCHLER, Adams, Wis. Filed Nov. 19, 1923. Serial No. 675,482. 3 Claims. (Cl. 152—8.)



1. A resilient tire comprising in combination with a shoe and a rim around which the shoe is secured, of a helically coiled open wound circumferentially disposed spring enveloped in said shoe, a fabric casing intervening between said spring and shoe, and clips fixed in said casing one for each coil of said spring, said clips being seated on said rim.

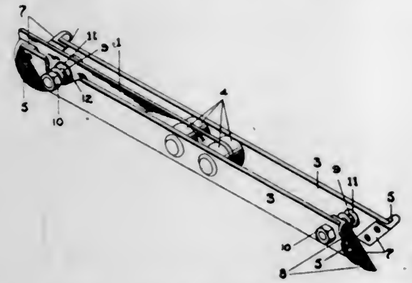
1,501,758. CIRCULATING PUMP. MICHAEL A. DREES, Milwaukee Wis. Filed Nov. 2, 1922. Serial No. 598,581. 1 Claim. (Cl. 103—157.)

In a pump, a casing having an open end and oppositely disposed inlet and exhaust ports, a shaft having its longitudinal axis arranged diagonally with respect to that of said casing, and having a portion projecting into the open end of said casing, said shaft being formed with a flange for forming a closure for said open end, a bearing on said shaft having a collar surrounding said flange and to which said casing is secured, a rotor in said casing having rotary and longitudinal movements therein and forming chambers between the same, the closed end of the casing and said flange, said rotor being provided with oppositely disposed chambers inter-



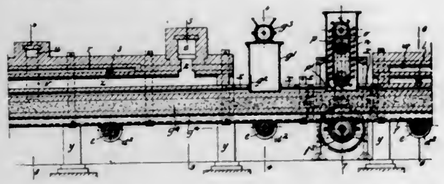
mediate the ends thereof, and ports in its ends communicating with the chambers formed by the rotor and casing, each of said ports also having communication with one of said intermediate chambers, and a pin pivotally connected to said rotor at one end thereof and engageable in the portion of said shaft projecting into said casing to impart movement of said shaft to said rotor.

1,501,759. TUBE SCRAPER. LOUIS HIPPOLYTE AUGUSTE DUCASSE, Alexandra, Natal, South Africa. Filed July 13, 1920. Serial No. 395,945. 1 Claim. (Cl. 15—104.17.)



In a tube scraper the combination of a holder, a rectangular cutter bar at each side of and extending substantially longitudinally of same, packing pieces at the centre of each cutter bar adapted to space the cutter bars from the holder, a plurality of cutters mounted on the bars and having arcuate cutting edges, the planes of the cutting edges being inclined to the longitudinal axis of the scraper, and spiral springs supported on spindles fixed at each end of the cutting bars adapted to force the bars outwards.

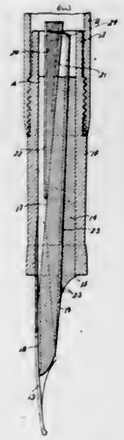
1,501,760. PROCESS FOR THE FIXATION OF NITROGEN. ARTHUR MCDOUGALL DUCKHAM, London, England. Filed Sept. 25, 1922. Serial No. 590,516. 4 Claims. (Cl. 23—13.)



1. A process for the fixation of nitrogen by means of a mixture of carbon and a barium oxide yielding substance, which process consists in causing a layer of the mixture to travel in an atmosphere of nitrogen beneath

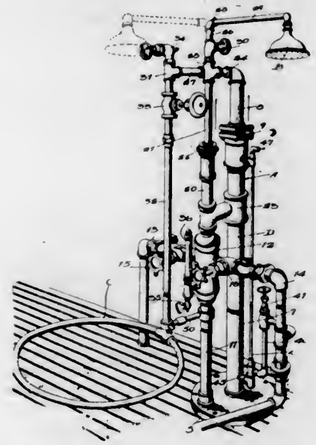
an impervious partition heated to a high temperature, the speed of travel being such that while the upper part of the layer is heated by radiation to the temperature at which reaction occurs the lower part remains at a temperature below this.

1,501,761. ADJUSTABLE FEED FOR FOUNTAIN PENS. LYTH F. EVENSON, Silverton, Oreg.; Nora Evenson executrix of said Lyth F. Evenson, deceased. Filed June 4, 1923. Serial No. 643,386. 6 Claims. (Cl. 120—50.)



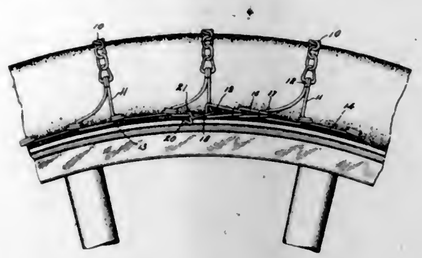
2. In a fountain pen, a body carrying a pen point and formed with a bore, a feed bar located within the bore and having an inclined slot communicating with a duct leading to the pen point, a wedge slidable along said slot, and a handle member slidable longitudinally of the feed bar and connected with said wedge, said handle member being formed with means for engagement by a thumb nail for effecting movement.

1,501,762. COMBINATION SHOWER BATH. ROBERT G. FERGUSON, Lakewood, N. J. Filed Apr. 26, 1923. Serial No. 634,842. 6 Claims. (Cl. 4—145.)



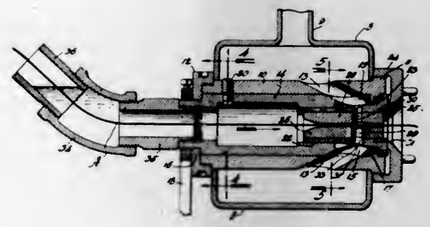
1. A shower bath comprising an overhead spray, a ring-shaped spray for encircling the body, and hydraulic means for automatically raising and lowering said sprays.

1,501,763. TIRE CHAIN. ERNEST I. FISHER, George, Iowa. Filed June 22, 1923. Serial No. 647,054. 3 Claims. (Cl. 152—14.)



2. A tire chain comprising a plurality of cross chains having their extremities provided with triangular links, the bases of which are substantially perpendicular to the length of said cross chains, links connecting said triangular links to form substantially parallel side chains, a latch having an eye embracing one of the sides of one of the terminal triangular links and having a locking extremity proportioned to be forced through an angle of said terminal link only when the eye has been moved away from its normal position, and a link carried at the opposite terminus of the respective side chain proportioned to embrace and co-act with said latch.

1,501,764. COATING DEVICE FOR METALLIC STRIPS. WARREN E. FLINT, Palisades Park, N. J. Filed Apr. 8, 1922. Serial No. 550,825. 21 Claims. (Cl. 18—13.)



2. In a strip coating device, two concentrically arranged members one of which is rotatable relative to the other, and which members have ports adapted to register with and to move out of communication with one another; a die arranged within and extending longitudinally of the inner of said members and having a passage through which a strip may pass; and means for supplying a plastic coating material through the passage provided by said ports and to a strip to be coated.

8. In a strip coating device, a hollow member through which a strip may pass; a die having a passage through which the strip passes; means for supplying a plastic coating material to the strip to thereby coat the same; and means for providing a liquid seal within said hollow member and bout the strip at is passes therethrough.

13. In the art of coating a strip with a plastic material containing a volatile solvent by supplying the material to the strip as the same passes through a suitable die, the step which consists in causing the strip to pass through a liquid seal of the same general character as the solvent before the coating material is supplied to the strip; and then applying the coating material to the strip.

19. In a strip coating device, a tubular die carrying sleeve and two die members located within said sleeve and having longitudinally extending grooves which register to provide a passage through which a strip may pass;

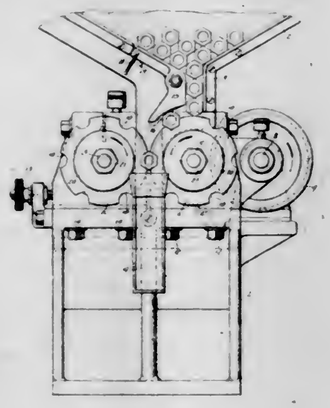
said die members having each a hole intermediate its ends and through which plastic coating material may flow into said passage and one of which holes is larger than the other.

1,501,765. ARCH SUPPORT. HERMAN A. FREESE, Pasadena, Calif. Filed Aug. 24, 1921. Serial No. 495,017. 1 Claim. (Cl. 36—71.)



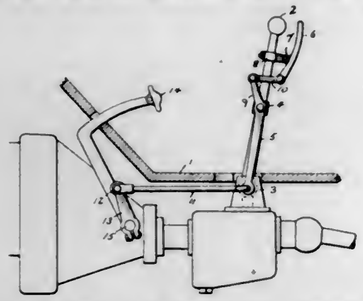
An arch support comprising a relatively thin strip of elastically yielding material around at its rear edge and forward edge so that the rear edge will fit the heel of the shoe and the forward edge will fit against the sole of the shoe, the rear portion of the upper face at the heel end being depressed to form a heel seat and forward of this heel seat being convexly rounded, the under face being slightly flattened at its rear end and then concavely arched longitudinally, the inside margin of the under face being beveled in an approximately straight line extending from the heel to the toe portion, said inside margin of the support being thicker than the outside margin, the under face of the support at its forward edge having a flat edge face in the same plane as the under face of the heel portion of the support.

1,501,766. ROTATING NUT SWAGING AND EXPANDING MACHINE. JOHN GUY FURLAN, New York, N. Y., assignor to Furlan Nut Machinery Corporation, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,879. 3 Claims. (Cl. 10—72.)



1. In a nut expanding machine the combination of a frame two rotatable mandrels journalled thereon and carrying swaging disks, a hopper for feeding nuts to said swaging disks, the said swaging disks having notches adapted to convey the nuts from the hopper to the point of nearest approach of the disks and there expand the nuts by squeezing between the sides of the grooves in the nuts.

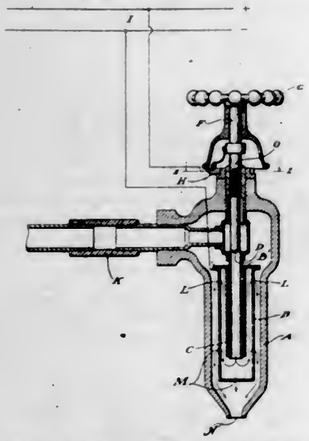
1,501,767. HAND-OPERATED GEAR SHIFT. HAROLD L. GIBBONS, Halifax, Nova Scotia, Canada. Filed Mar. 12, 1923. Serial No. 624,506. 3 Claims. (Cl. 74—39.)



1. In a clutch operating device, the combination with the usual pivoted gear shift lever, a clutch lever pivotally mounted upon said gear shift lever, and means carried by said gear shift lever for operating the clutch lever for disengaging the clutch when shifting the gears

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1,501,768. ELECTRIC HEATER FOR FAUCETS. OTTO GRAETZER, Zollikon, and OTTO F. BRUMAN, Zurich, Switzerland. Filed Nov. 13, 1920. Serial No. 423,913. 5 Claims. (Cl. 219—40.)



1. An electrical water heating device which comprises a cup-shaped electrode, a second electrode extending thereinto, and means on the cup-shaped electrode whereby the flow of water therefrom varies in accordance with the level of the water therewithin.

1,501,769. GREEN DYE-STUFFS DYEING IN REDUCING BATHS AND THEIR PROCESS OF MANUFACTURE. LOUIS HAAS, Paris, France, assignor to Société Chimique de la Grande Paroisse, Paris, France. Filed May 10, 1923. Serial No. 638,104. 2 Claims. (Cl. 260—24.)

1. A process for the manufacture of green dye-stuffs with blue reflections which consists, substantially, in diazotising nitronaminophenol 1:3:4, then in subjecting the product obtained to the action of an alkaline polysulphide.

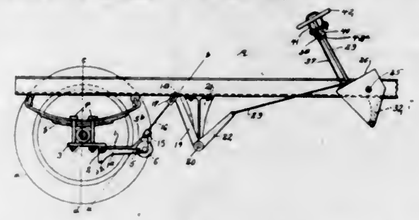
2. A process as claimed in claim 1, which consists in introducing the diazo of nitroaminophenol 1:3:4 in polysulphide of sodium in fusion, then in raising the temperature to about 200° C. until the evolution of hydrogen sulphide has ceased.

1,501,770. DISPLAY BOX. OTTO C. HANISCH, South Attleboro, Mass., assignor to Geo. H. Fuller & Son Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed July 12, 1923. Serial No. 651,089. 6 Claims. (Cl. 206—44.)



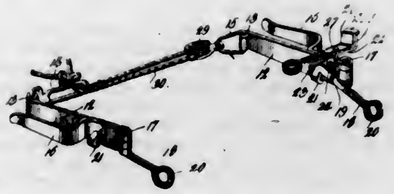
1. A display box of the class described, a chart or information card divided into sections positioned within said box, reference indicia placed in said sections, and transparent containers adapted for receiving articles of manufacture corresponding with said indicia positioned upon said sections whereby said articles and said reference indicia may be viewed simultaneously through said containers.

1,501,771. ANTISKID DEVICE. FRANK W. HANLEY, Pittsburgh, Pa. Filed Mar. 2, 1923. Serial No. 622,404. 5 Claims. (Cl. 188—5.)



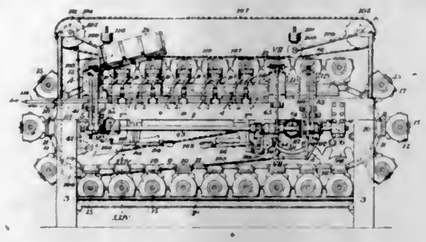
1. In combination with an automobile, braking members pivotally mounted at their rearward ends and extending when in normal raised position forwardly of the rear axles, and means for normally holding said members raised, said means permitting limited vertical movement of the members and positively limiting downward movement thereof, the braking members and the means for holding the same raised being so related that the force of a blow struck by the members on their downward movement will be transmitted along a line which will intersect the traction surface slightly in advance of a vertical line passing through the axis of the axles of the automobile.

1,501,772. ANTIKICKING DEVICE FOR ANIMALS. EMORY H. HARFORD, Piper City, Ill. Filed June 22, 1922. Serial No. 570,116. 3 Claims. (Cl. 119—128.)



1. A hopple of the class described comprising a body portion, an arm hinged thereto having its outer end formed to provide a gripping portion, a locking member pivoted to the body portion to retain the arm in closed position upon the body portion, an L-shaped bracket removably mounted on the body portion and means pivoted on the bracket to provide a tail-holding element for said hopple.

1,501,773. VIAL-NECKING MACHINE. BENJAMIN T. HEADLEY and PARKE H. THOMPSON, Millville, N. J., assignors to Millville Machine Company, Millville, N. J., a Corporation of New Jersey. Filed May 7, 1918. Serial No. 233,078. 33 Claims. (Cl. 49—7.)



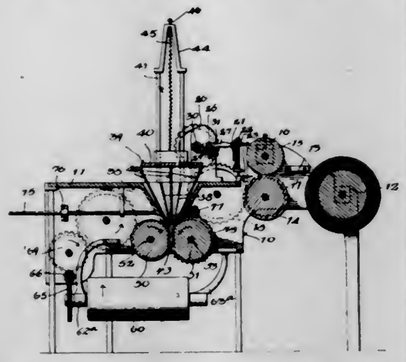
13. A vial necking machine comprising a flexible carrier, means for moving said carrier step by step, a plurality of chucks mounted on said carrier, each of the chucks comprising a casing, a sprocket wheel rotatably mounted in the casing, means adapted to successively engage said sprocket wheels during the movement of the carrier for rotating the chucks, chuck members connected to the sprocket wheel and arranged to be rotated therewith, springs for holding said chuck members away from each other, jaw members radially movable in the sprocket wheel, springs for moving the jaw members radially away from the center of the chuck, and coacting devices on the jaws and the chuck members for closing the jaws when the chuck members are moved away from each other, substantially as described.

23. A vial necking machine comprising a plurality of transverse shafts, each of said shafts having a sprocket wheel thereon, a sprocket chain mounted on said sprocket wheels, a driving shaft, a Geneva gear connection between the driving shaft and one of the sprocket wheel shafts for intermittently operating the sprocket wheel shaft, means for continuously rotating the driving shaft, a plurality of cam shafts, actuating connections between the cam shafts and the driving shaft for continuously actuating the cam shafts, chuck loading mechanism for feeding blanks to the chucks, actuating levers for the chuck loading mechanism, cams on the cam shaft for actuating the chuck loading mechanism, clutches on the cam shafts for connecting and disconnecting the cams, blank finishing devices, levers for actuating the blank finishing devices, cams on the cam shafts for actuating the levers for the blank finishing devices, clutches for engaging and disengaging the cams for the blank finishing devices, chuck unloading devices, levers for actuating said chuck unloading devices, cams on the cam shaft for actuating said unloading devices, and clutching actuating mechanism for simultaneously actuating both of said clutches, substantially as described.

1,501,774. FOLDING MACHINE. FRANK W. HEETER and TERRY E. HEETER, Toledo, Ohio. Filed Feb. 18, 1922. Serial No. 537,658. 10 Claims. (Cl. 270—61.)

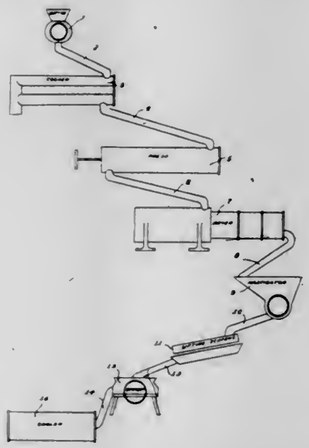
1. In a machine of the character described, a table, a supply roll, feed rollers for delivering a web of paper from said supply roll to said table, a gear for driving said feed rollers, cutting mechanism for severing the length of paper sufficient to constitute a napkin and comprising a cutter and actuating mechanism therefor including a gear, an intermediate gear meshing with the gear of the feed rollers and with the gear of the actuating mechanism whereby the cutter operates in timed relation with respect to the feed rollers, a folding bed depending from the table, a forming plunger cooperable with the forming bed, folding rollers cooperatively arranged with respect to the forming bed, shafts carrying said rollers, twin gears fixed to said

shafts, one of said twin gears being meshed with the intermediate gear for driving the same, operating mechanism for the plunger including a crank arm having a crank pin, a pitman connected with the plunger and having a hook end releasably and intermittently engaged with the crank and spring means for effecting



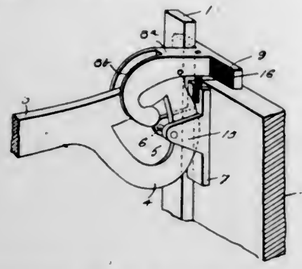
quick movement of the plunger, finishing rollers cooperatively arranged with respect to the folding rollers, gearing for driving said finishing rollers from said twin gears, and means for driving one of the shafts of the feed rollers whereby said twin gears and the gears driven therefrom are actuated.

1,501,775. PROCESS FOR THE MANUFACTURE OF HIGH-GRADE FLOURS FROM FISH AND LIKE MATERIALS. STANLEY HILLER, San Jose, Calif., assignor to Roy L. Daily, San Francisco, Calif., R. R. Bellingall, Oakland, Calif., and Stanley Hiller, San Jose, Calif. Filed Jan. 14, 1924. Serial No. 686,156. 3 Claims. (Cl. 99—11.)



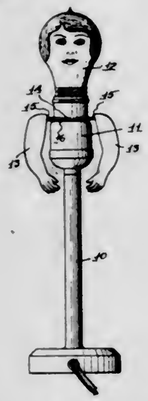
3. A continuous process for manufacturing high grade fish flour which comprises the steps of cutting fresh fish to relatively small particles; cooking the freshly cut fish; pressing the cooked fish while hot to extract the oil therefrom; drying the solid residue from the press by the application of heat thereto; treating the dried material while hot to break the flesh portion from the bone without materially reducing the size of the bone particles; separating the flesh content from the bone by sifting; and grinding the separated flesh content to produce flour.

1,501,776. WRECKING TOOL. JOHN E. HOFFMAN, Casper, Wyo. Filed Oct. 20, 1923. Serial No. 669,767. 3 Claims. (Cl. 254—131.)



2. A wrecking tool of the character specified, comprising an anchoring member, a pry pivoted at one end to the anchoring member and having a cam at one side spaced therefrom intermediate its ends, a shoe having spaced ears embracing opposite sides of said cam, a pin connecting the free ends of said ears and adapted to engage the inner edge of the cam, and a yieldable connection between the shoe and anchoring member, said yieldable connection comprising a slide mounted upon the anchoring member and having the shoe pivoted thereto, and a spring between the slide and anchoring member.

1,501,777. DOLL. HELEN E. HOLLINGSWORTH, Minneapolis, Minn. Filed Nov. 28, 1922. Serial No. 603,743. 4 Claims. (Cl. 240—10.)

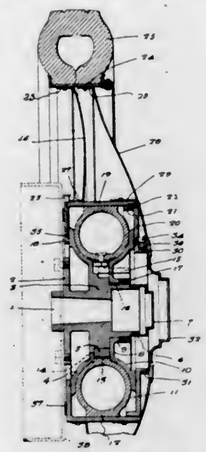


1. A doll of the class described including, in combination, an electric socket having an annular shoulder thereon and comprising the body of the doll, means supporting said socket in upright position, an electric lamp fitted in said socket and comprising the head of the doll, a flexible mounting encircling and yieldingly gripping the socket, said mounting being held against downward displacement by engagement with the shoulder on said socket, and arms secured to the mounting, said mounting being adjustable angularly of said socket to permit the proper positioning of said arms with respect to said head.

1,501,778. CUSHION WHEEL. WILLIAM P. HOOPES, Buffalo, N. Y. Filed Dec. 1, 1922. Serial No. 604,272. 3 Claims. (Cl. 152—42.)

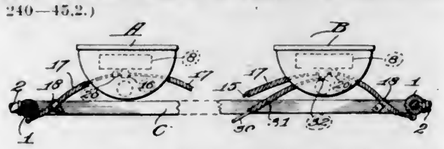
1. In an elastic wheel, a hub including a bearing sleeve having an outstanding flange, an outstanding lug on the sleeve formed with a concaved side extension to provide the fixed section of a tire seat, a member

surrounding the hub, in contacting engagement with the lug thereof and having an arcuate side providing the second section of the tire seat, means adjusting the removable seat section with respect to the fixed seat section, means for locking the removable seat section on the sleeve, a pneumatic tire for the seat, interengaging means between the tire and the lug for holding the former from turning on the latter, a cap for the sleeve, a ring surrounding and contacting the outer surface of



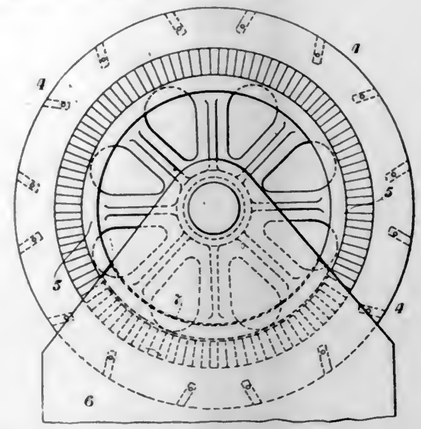
the tire, said ring having an integral flange in contact with one of the sides of the tire seat, a removable disk adjustably secured to the opposite end of the ring, means locking said disk to said ring, a tire carrying rim surrounding the hub, a disk comprising inner and outer sections fixed to the tire carrying rim and to the ring, a cap threadedly engaging the removable disk and in contacting engagement with the ring, and means for feeding a lubricant between the sides of the ring and of the removable disk and the sides of the tire seat.

1,501,779. LIGHT DEFLECTOR FOR HEADLIGHTS. CORA ELIZABETH HUGHES, Los Angeles, Calif., assignor of one-third to Thomas M. Ingman and one-third to Lloyd L. Elliott, both of Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,642. 2 Claims. (Cl. 240—45.2.)



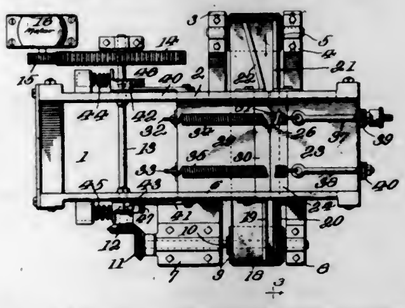
1. The combination with a vehicle axle having stub shafts pivoted thereto, of a headlight having a plurality of reflectors transversely spaced across the front of said headlight upon vertical pivots, an operating member connected to said stub shafts so as to be shifted in opposite directions by turning movement of said stub shafts in opposite directions, a lug on said operating member, means for turning said reflectors having an abutment element adapted to be engaged by said lug upon shifting of said operating member in one direction for turning said reflectors so as to laterally deflect transversely spaced portions of the rays of light from said headlight, said lug being adapted to disengage said abutment element during shifting of said operating member in the opposite direction, and a spring for actuating said reflector turning means so as to turn said reflectors edgewise to the rays of light from said headlight when said lug is disengaged from said abutment element.

1,501,780. CUTTING DISK. MALCOLM MILLER IRVINE, Glasgow, Scotland. Filed Jan. 12, 1924. Serial No. 685,862. 4 Claims. (Cl. 262—27.)



1. In a coal cutting or like cutting machine, a cutting disk having a forged metal race welded thereto.

1,501,781. MACHINE FOR OPENING PACKS OR PILES OF METAL PLATES. WILLIAM L. JENKINS, Sr., Niles, Ohio. Filed Apr. 15, 1921. Serial No. 461,539. 13 Claims. (Cl. 29—17.)

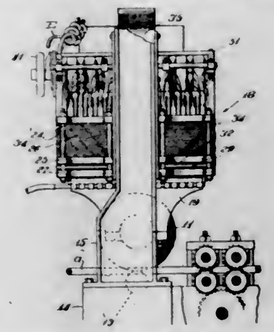


9. A machine of the character described, comprising a frame, a transverse endless conveyor carried by the frame, a gearing between the shaft and the conveyor for continuously driving the same, a female die above the conveyor and extending over the same, and having a vertical groove therein, a spring pressed plunger carried by the die and intersecting the groove, a male die movable transverse the conveyor, springs normally holding the die in engagement with the female die, cams carried by the driven shaft, levers pivoted at their upper ends and their lower ends in engagement with said cams, and links connected to the male die and the levers intermediate their ends whereby the male die is moved against the tension of the springs and suddenly released to allow the male die to be rapidly driven against the female die.

1,501,782. APPARATUS FOR ELECTRICALLY BUTT-WELDING TUBING. GUSTAVE V. JOHNSTON, Chicago, Ill., assignor, by mesne assignments, to The Elyria Iron and Steel Company, a Corporation of Ohio. Filed Oct. 4, 1920. Serial No. 414,408. 24 Claims. (Cl. 219—13.)

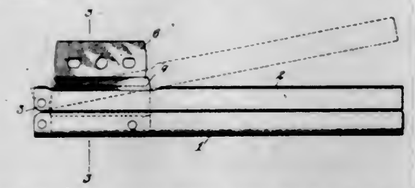
1. In a tube welding machine, the combination of means, including seam-straddling electrodes and opposed tube support, forming a welding throat, an alternating-

current transformer having its secondary connected with the electrodes and having a plurality of primary coils in a circuit excluding said secondary, a plurality of



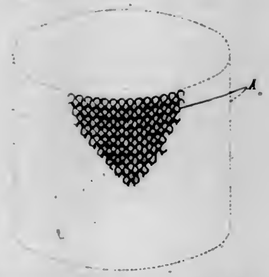
switches respectively controlling the number of service-turns of different primary coils, and means for operating said switches.

1,501,783. RAZOR-BLADE HOLDER. PHILIP KILIMNIK, New York, N. Y. Filed Feb. 26, 1924. Serial No. 695,370. 1 Claim. (Cl. 30—25.)



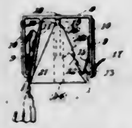
A razor blade holder, which comprises a pair of pivoted handles, a pair of spaced blade-receiving plates mounted on one handle, said plates converging at their upper edges to receive a blade therebetween, the other handle portion slotted and provided with side walls, said walls adapted when the handles are drawn together to engage the sloping faces of said plates to force said plates together to grip the blade when the handles lie adjacent each other.

1,501,784. KNIT ABRASIVE FABRIC AND ARTICLE MADE THEREFROM. RUSSELL B. KINGMAN, Orange, N. J. Filed June 14, 1923. Serial No. 645,282. 1 Claim. (Cl. 15—209.)



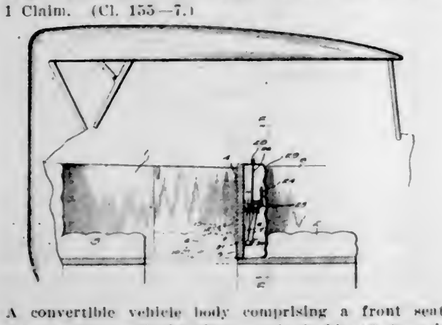
An abrasive fabric made of a base thread around which is convoluted a thin ribbon-like metallic wire adapted to present by its convolutions a multiplicity of sharp abrasive edges, said base thread so formed being knitted into a seamless tubular body providing rows of intermeshed loops which by their turns project said sharp abrasive edges of the convoluted wire in many different directions.

1,501,785. CLASP. STEVEN KOTELES, Claremont, Va. Filed Sept. 13, 1923. Serial No. 662,432. 4 Claims. (Cl. 24—260.)



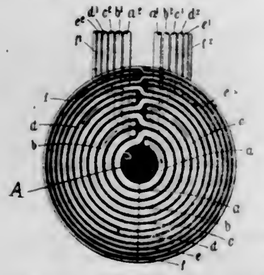
2. A clasp having oppositely disposed depending side members, a resilient arm carried by said clasp, a pin mounted centrally of said clasp, a triangular wedge-shaped clamping member cooperating with said resilient arm slidable on said pin and means carried by one of said side members for locking said wedge in adjusted position.

1,501,786. CONVERTIBLE VEHICLE BODY. THEODORE KUGLER and FRANK L. VAN ROSSUM, Appleton, Wis. Filed Apr. 17, 1922. Serial No. 553,786. 1 Claim. (Cl. 155—7.)



A convertible vehicle body comprising a front seat, a rear seat spaced therefrom, a back hinged to said front seat and adapted to bridge the space between said seats when lowered, cushions arranged on said front and rear seats and said back, a foldable arm to support said back in lowered position, said arm being normally disposed in a plane between the back and the front face of said back cushion, one end of said arm being secured to the side of said body, a bracket secured to said back, a pin carried by said bracket, the other end of said arm being pivotally supported on said pin, a locking member secured to said body, said locking member being adapted to engage said pin, and an operating member connected thereto and projecting slightly beyond the upper edge of said back.

1,501,787. ELECTROMAGNET. HOWARD LACY, Surbiton, England. Filed Nov. 3, 1921. Serial No. 512,605. 2 Claims. (Cl. 175—21.)



1. An electro-magnet of the type described, comprising a core and a winding composed of an even number of differently sized wires each wound in two layers in the same direction and with the direction of winding of successive wires reversed, said wires decreasing in size progressively in accordance with the ampere-turns required per wire, and insulation between all layers of the winding, whereby said wires are adapted to function in pairs to produce a variable inductance, the value of which may be controlled by inter-connecting the wires to form different combinations.

1,501,788. SOCKET WRENCH. JAMES M. LAFLIN, Boise, Idaho. Filed Aug. 14, 1923. Serial No. 657,285. 3 Claims. (Cl. 81—111.)



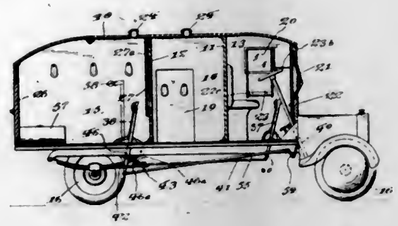
1. A socket wrench comprising a handle, laterally extending arms at the end of said handle, a pair of gripping jaws pivotally and adjustably mounted on one side of said arms, an adjusting segment carried by the other arm, and means associated with the gripping jaws to engage with the segment and hold said jaws in adjusted positions.

1,501,789. BOILER ATTACHMENT. SAMUEL J. LINDELL, Mandeville, La., assignor to C. Sidney Frederick, Covington, La. Filed Jan. 6, 1922. Serial No. 527,411. 4 Claims. (Cl. 154—44.)



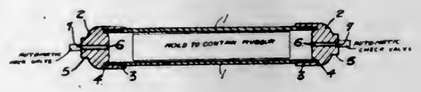
4. A protecting device for a boiler seam comprising a plurality of longitudinally curved plates, longitudinally curved parallel flanges extending from said plates and engaging said boiler upon opposite sides of said seam, means for removably connecting the adjacent ends of said plates, spring influenced adjustable means for removably securing said plates in position upon said boiler, a plurality of spaced wedge shaped members secured to said plates, a plurality of fire bricks having angular grooves in the opposite edges thereof engaging said triangular shaped members and a refractory material disposed upon opposite sides of said fire bricks engaging said flanges and boiler.

1,501,790. MOTOR VEHICLE. C. GILBERT MCCLAY and BEN RUDIS, Chicago, Ill. Filed May 4, 1922. Serial No. 558,349. 5 Claims. (Cl. 180—77.)



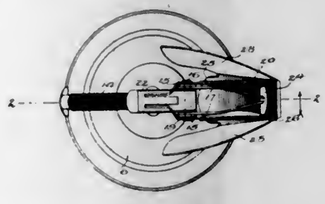
1. A motor vehicle having its body provided with a driver's compartment and a separate compartment to the rear thereof, a steering mechanism controllable from the driver's compartment, and means operable from the rear compartment for disabling the steering mechanism.

1,501,791. GAS-EXPANDED VULCANIZED-RUBBER SUBSTANCE AND PROCESS FOR MAKING THE SAME. CHARLES LANCASTER MARSHALL, London, England. Filed June 23, 1920. Serial No. 391,091. 3 Claims. (Cl. 18—53.)



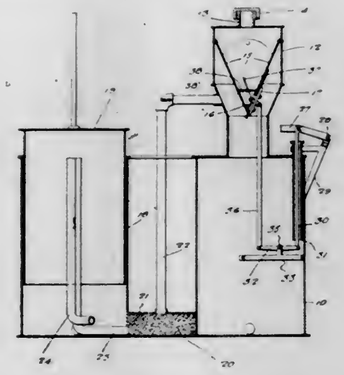
1. The process of making expanded rubber, consisting in providing a mixture of raw rubber and fluxing material, together with vulcanizing material, applying a skin of rubber and sulphur compound to such mixture of raw rubber, vulcanizing the same, subjecting the same while being vulcanized to the action of an inert gas under such pressure as to cause the gas to penetrate the same, and then relieving such gas pressure.

1,501,792. PENCIL SHARPENER. SYLVESTER K. MATHEWS, Albany N. Y. Filed Oct. 17, 1922. Serial No. 595,197. 7 Claims. (Cl. 120—95.)



6. In a pencil sharpener, a receptacle having an opening, a standard supported thereby, a handle carried by said standard and having cutting blades at one end thereof and arranged above said receptacle, a pencil holder pivotally connected to said handle and arranged in a plane between said blades, and a chute having its lower end extending into the opening in said receptacle and its upper end extending to a point above and on opposite sides of said cutting blades whereby said blades are positioned between the side walls of said chute, the upper ends of said side walls terminating in outwardly flared flanges.

1,501,793. ACETYLENE-GAS GENERATOR. OSCAR MAXON, Cadiz, Ky., assignor of one-half to Ernest Linwood Hardey, Cadiz, Ky. Filed Nov. 14, 1922. Serial No. 600,895. 2 Claims. (Cl. 48—55.)



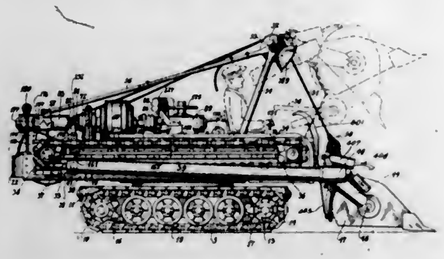
1. In an acetylene gas generator including a carbide container having an outlet, a slide valve controlling the outlet, a water receptacle below the carbide container, a lever having one end pivoted at a point above the water receptacle, spaced parallel rods arranged within the water receptacle, a cross piece pivoted between its ends and terminally connected to the adjacent extremities of the rod, one of the rods being pivotally connected with said lever, the other of said rods being connected to the valve, and an agitator carried by the valve and operating in the carbide container.

1,501,794. REENFORCED HORN. RAY MERTZ, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 11, 1923. Serial No. 656,891. 3 Claims. (Cl. 181—27.)



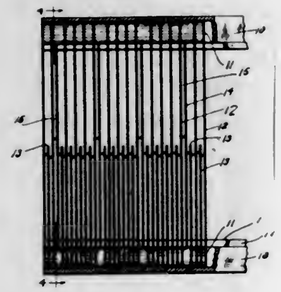
3. A sound amplifier or megaphone composed of vulcanized rubber compound having an annular metallic reinforcement in the mouth thereof, and lengthwise disposed metallic reinforcements embedded in the material thereof, and free from connection with the said annular reinforcement.

1,501,795. UNDERGROUND MINING MACHINE. ARTHUR K. MITCHELL, Bronxville, N. Y., assignor to St. Joseph Lead Company, New York, N. Y., a Corporation of New York. Filed Oct. 2, 1922. Serial No. 591,689. 25 Claims. (Cl. 214—134.)



1. In a shoveling machine, a frame, a boom, and means supporting said boom at one of its ends upon the frame for rectilinear traveling movement and vertical swinging movement, a dipper carried by the other end of said boom, mechanism for effecting a rectilinear movement of the boom relative to the frame, mechanism for swinging said boom vertically, a separate operating motor for each of said mechanisms, and manual control means for the respective motor circuits whereby combined rectilinear and vertical swinging movements, or either of such movements independently of the other, may be imparted to the boom at the option of the operator.

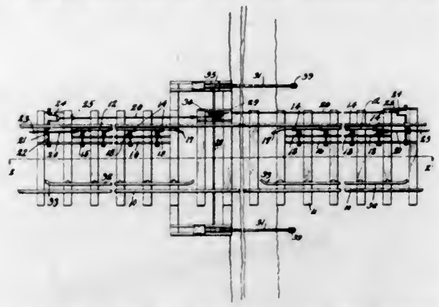
1,501,796. HEDDLE FRAME. OVILA D. MOREAU, Manville, R. I., assignor of one-half to Joseph C. Mallioux, Woonsocket, R. I. Filed Oct. 14, 1922. Serial No. 594,543. 8 Claims. (Cl. 139—53.)



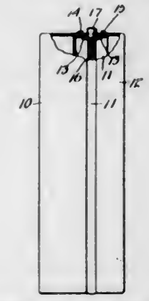
1. A heddle frame having a multiplicity of spaced-apart dents providing spaces for the reception of the warp threads, needles in said spaces each to act upon and form a fancy weave on its threads, and means in said frame whereby extra dents may be removably mounted in any desired number of spaces in said frame between a needle and the next adjacent dent, without removing any of the heddle parts.

1,501,797. STOP SIGNAL FOR RAILWAY CROSSINGS. HENRY MORRIS, ARMOUR HOWARD, and GEORGE W. GARTMAN, Chunchula, Ala. Filed Nov. 15, 1923. Serial No. 674,958. 6 Claims. (Cl. 246—293.)

1. In a crossing signal, an actuating rail mounted for movement longitudinally of a track rail, a pivoted gate, an operating shaft therefor provided with a crank arm, an operating rod from said actuating rail mounted to slide in a single plane and having a link connection to said crank arm, a gate operating arm upon said operating shaft disposed beneath the gate, and a tension spring extending directly from said gate operating arm to the gate.

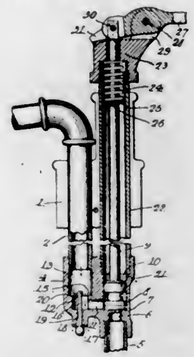


1,501,798. LATCH FOR VANITY CASES. SIMON MORRISON, Brooklyn, N. Y. Filed Jan. 25, 1923. Serial No. 615,444. 2 Claims. (Cl. 220—55.)



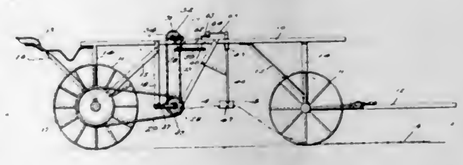
1. A vanity case comprising an intermediate compartment, a cover therefor, a lower compartment nesting with the intermediate compartment, and a double latch on the intermediate compartment adapted to engage the lower compartment and the cover for holding them in place, substantially as set forth.

1,501,799. HYDRANT. HORACE FALK NEUMEYER, Macungie, Pa., assignor to Hobart G. Biehn, Quakertown, Pa. Filed Sept. 8, 1922. Serial No. 586,981. 6 Claims. (Cl. 137—13.)



1. In a device of the class described, the combination of a valve cage having spaced chambers, and a cross passage connecting said chambers, an inlet pipe in communication with one of the chambers, a valve arranged to open or shut off communication between the valve cage and the inlet pipe, manually controlled means for operating said valve, an outlet pipe in communication with the discharge chamber of the valve cage, a disk slidably mounted in said discharge chamber, said disk having a cut out portion forming a restricted passage for the flow of water past the disk, said disk having a depending stem carrying a ball valve, the valve cage having a restricted discharge passage in which the ball valve seats when the disk is in its elevated position, whereby to close the discharge passage when water is flowing through the outlet pipe and to open it upon the cessation of outflow of water.

1,501,800. WIRE-WINDING MACHINE. ALFRED NOVOTNE, Gibbon, Nebr. Filed Aug. 6, 1923. Serial No. 655,963. 5 Claims. (Cl. 242—92.)



1. A machine of the character described comprising a wheel supported frame provided with draft means, a shaft mounted within the frame and carrying a removably mounted reel, means for rotating said shaft, a guide movable laterally of the frame for guiding wire to the reel, and means for moving said guide synchronously with the reel, the guide including a supporting track, a carriage slidable thereon, and a box link guide eye depending from said carriage.

1,501,801. THERMOMETER AND CASING THEREFOR. CHARLES NURNBERG, Brooklyn, N. Y. Filed Oct. 16, 1922. Serial No. 594,837. 1 Claim. (Cl. 73—52.)

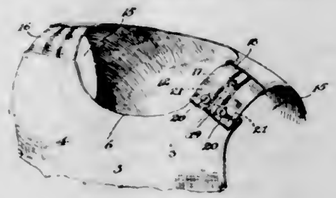


In a device of the character described, the combination of a casing having an open end, a closure for said end of the casing having a portion insertable into and withdrawable from said end and also having a flange intermediate the ends thereof for limiting the inward movement of said closure, said flange being provided with a plurality of plane surfaces, said closure also having a centrally arranged recess in its inner end extending outwardly to a point medially the ends of the closure, and a thermometer having one end secured in said recess and held in spaced relation to the walls of said casing by said closure, said thermometer being provided with a projection cooperating with one of said plane surfaces to maintain said thermometer out of contact with a support when resting thereon and to prevent rolling of said thermometer on said support.

1,501,802. ATHLETIC UNION GARMENT. AUSTIN N. OPPENHEIM, Baltimore, Md. Filed Dec. 1, 1922. Serial No. 604,148. 1 Claim. (Cl. 2—78.)

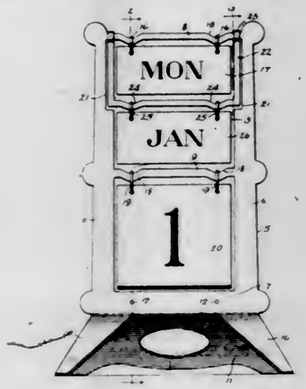
A one-piece undergarment of inelastic material, comprising a unitary body and leg portion having relatively large arm openings and a neck opening between them, a separable shoulder strap separating the neck opening from one arm opening and adapted when disengaged to provide a slip-on as the combined neck opening and one arm opening are of a size to freely admit the body to the garment, said separable shoulder strap of elastic woven material

and having a pair of buttonholes in said elastic material, a pair of buttons on the front portion of the garment to enter the buttonholes, and a strip of inelastic material



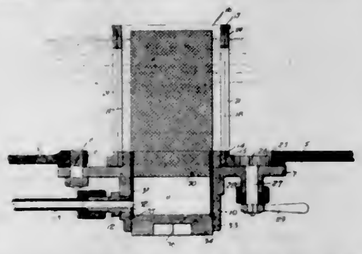
secured beneath the end of the strap and having registering buttonholes and preventing stretching of the strap at the buttonhole end.

1,501,803. CALENDAR. WILLIAM S. ORTH, Dunkirk, Ohio. Filed Feb. 8, 1923. Serial No. 617,822. 2 Claims. (Cl. 40—119.)



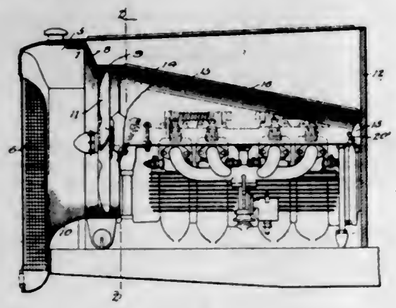
1. In a calendar, a frame formed from a single sheet of material including opposed side members and supporting cross bars joining the same, said cross bars having angular notches in their upper edges, the base of said sheet being split and the split portions being bent in opposite directions to form supports for the frame, rings disposed in said angular notches, and a plurality of cards supported by said rings.

1,501,804. OIL-SUMP SCREEN. VICTOR W. PAGE, New York, N. Y. Filed Apr. 16, 1921. Serial No. 461,938. 1 Claim. (Cl. 210—170.)



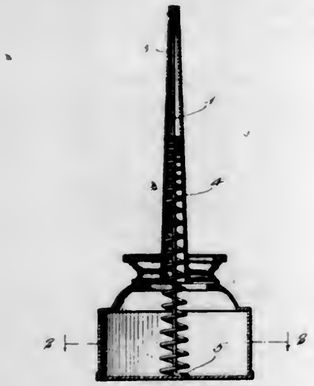
In an engine sump, a stationary plate provided with a passage extending therethrough, a slotted tubular member surrounding said passage and projecting inwardly of the sump, a slotted sleeve surrounding said slotted tubular member and movable with respect thereto, a sleeve slidably mounted in the opening of said plate, means for retaining said sleeve in position in the opening in said plate, and a screen carried by said sleeve and projecting inwardly of the sump within the confines of the slotted tubular member.

1,501,805. SUPPLEMENTARY COOLING HOOD FOR MOTORS. VICTOR W. PAGE, New York, N. Y. Filed May 3, 1922. Serial No. 558,229. 2 Claims. (Cl. 180—69.)



1. In combination with the engine compartment of a motor vehicle having a radiator forming its front wall, a supplemental motor hood, said hood comprising a forwardly disposed flared member embracing a portion of the radiator, said flared portion having a rearwardly disposed flange, a motor-covering hood supported at its forward end on said flange, and means carried by the rear wall of the engine compartment for supporting the rear end of the motor-covering hood.

1,501,806. OIL-SPOUT CLEANER. RALPH C. PETER, Minneapolis, Minn. Filed Nov. 15, 1922. Serial No. 600,668. Renewed Dec. 12, 1923. 1 Claim. (Cl. 221—57.)



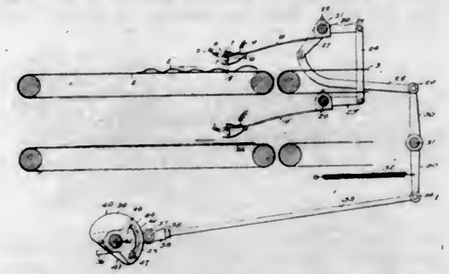
The combination with an oil can having an upstanding upwardly tapered spout; of a wire rod extending from the bottom of the can through the spout to the free end of the latter, and a tapered coiled spring surrounding said rod in spaced relation thereto and having its smaller end portion received snugly in and extending throughout a portion of the length of said spout, the other end of said spring being integrally joined to said rod and resting upon the bottom of the can under compression, said spring and rod being bent from a single length of wire.

1,501,807. HAT-SUPPORTING HOOK. OSWALD PETSCHEL, Brooklyn, N. Y. Filed May 4, 1923. Serial No. 636,687. 2 Claims. (Cl. 24—84.)



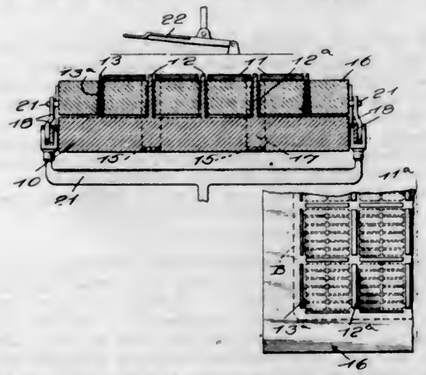
1. A hook comprising a body portion having its ends curved and occupying positions on opposite sides of the longitudinal axis of said body portion, a laterally swinging locking member pivotally connected to the body portion and bridging one of the curved ends of the body portion, and a right angular extension formed on said locking member.

1,501,808. CHOKE DETECTOR. JOSEPH PRUSH and ALVIN B. LANIGAN, Brooklyn, N. Y. Filed Apr. 27, 1923. Serial No. 635,074. 5 Claims. (Cl. 192—127.)



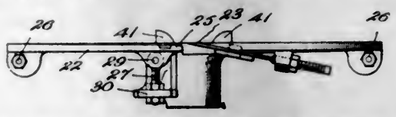
1. A choke detector for paper feeding machines, folding machines and the like, comprising a pair of electrical contacts normally spaced apart, a swinging arm adapted to move both of said contacts across the path of the paper passing through the machine so as to engage the paper and be closed thereby in case the paper is out of its correct position, a rock shaft for actuating said arm, a system of levers, links and arms for actuating said rock shaft, a cam for actuating said levers in one direction, and a spring for actuating the levers in the opposite direction.

1,501,809. SLAB FOR USE IN PASTING BATTERY GRIDS. CHARLES CLAYTON RICH, Mount Vernon, N. Y., assignor of one-twentieth to Charles Wintermeyer, Mount Vernon, N. Y. Filed July 20, 1923. Serial No. 652,795. 10 Claims. (Cl. 226—39.)



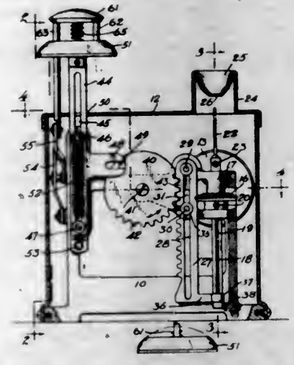
1. Means used in pasting battery plates having certain apertures not designed to be filled with paste comprising a slab having a flat working surface upon which the battery plate may be placed, said flat surface having projections formed to fill the said apertures in the battery plate when the battery plate is laid upon the slab.

1,501,810. SLICING MACHINE. HENRY ROBINSON, Lindenhurst, N. Y. Filed Feb. 19, 1924. Serial No. 693,739. 1 Claim. (Cl. 146—124.)



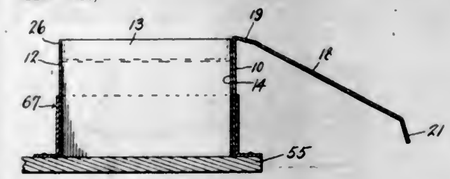
In a slicing machine a casing and a revoluble cutting element comprising in combination a fixed knife bearing portion, a portion pivotally mounted on said fixed portion, a bracket under the cutting element, and a pin supported by said bracket and pivotally connected with the pivotally mounted portion aforesaid.

1,501,811. CIGAR-PERFORATING DEVICE. CHARLES SCHLEY, Garfield, N. J. Filed Apr. 21, 1921. Serial No. 463,100. 8 Claims. (Cl. 131—20.)



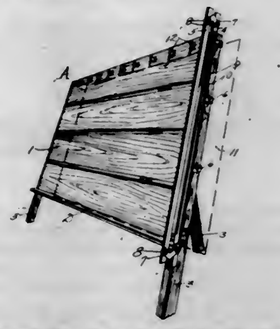
3. A device for preparing a cigar for smoking comprising a stand, a movable rotary drill mounted on the stand, means for supporting a cigar to dispose the end to be perforated in the path of movement of the drill, an electric driving means for rotating the drill, means for advancing the drill into operative contact with the cigar end, said advancing means including a circuit closing element which is initially operable to actuate the electric driving means prior to the advancement of the drill into contact with the cigar end.

1,501,812. COLLAPSIBLE FRUIT BOX AND HOLDER THEREFOR. OTTO W. SCHULZ, Denver, Colo. Filed Mar. 11, 1922. Serial No. 543,012. 2 Claims. (Cl. 224—45.)



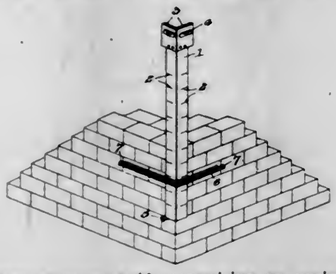
1. The combination with a box having a bottom attached at one side edge and free at the other edges, of a flanged holder for receiving the box and constituting a temporary bottom therefor when the box is inverted for packing, the bottom first named being fully secured before the box is placed in an upright position after packing.

1,501,813. GAUGE BOARD FOR BREAKING WALL BOARD AND THE LIKE. JOHN SCHUMACHER, Sr., Los Angeles, Calif. Filed Nov. 25, 1921. Serial No. 517,625. 5 Claims. (Cl. 164—78.)



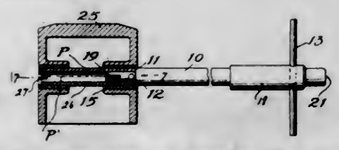
1. A device of the character disclosed, comprising a frame for supporting the work to be fractured, said frame being provided at one extremity with spaced members between which the work is passed and at the plane of which members the work is fractured under pressure; said spaced members comprising bars provided with laterally projecting flanges at the outer edges of which the fracture of the work is produced.

1,501,814. MASONRY CORNER GUIDE. FRANK W. SCOFIELD, Woodland, Mich. Filed May 13, 1922. Serial No. 560,641. 1 Claim. (Cl. 33—85.)



A masonry corner guide comprising an upright angle member adapted to be supported in straddling relation to the corner of a wall and provided at its upper end with plumbing means, a retractile spring straddling the upright angle member and adapted at its ends to be connected to wall portions at right angles to each other, and means for connecting the spring ends to wall portions.

1,501,815. PISTON-BUSHING EXTRACTOR AND REPLACER. ALFRED BRUNO SEPPMANN, Lake Crystal, Minn. Filed Apr. 23, 1923. Serial No. 634,037. 6 Claims. (Cl. 29—88.2.)



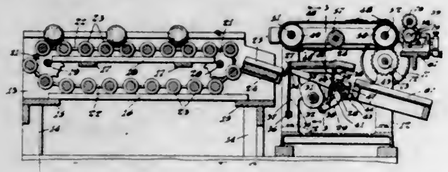
1. A tool for removing and replacing the piston pins and bushings of pistons, comprising a body portion of a diameter slidably engaging in the bore of the bushings with the piston, the body portion being provided at one end with a reduced extension of a diameter slidably engaging the bore of the piston pin, and at the opposite end with an enlarged extension of a diameter slidably engaging the bores of the piston bosses.

1,501,816. TOOL FOR INSERTING AND REMOVING VALVE PINS. ALFRED BRUNO SEPPMANN, Lake Crystal, Minn. Filed Apr. 23, 1923. Serial No. 634,038. 3 Claims. (Cl. 294—36.)



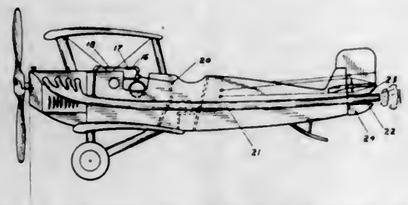
1. A tool of the class described comprising a pair of pivotally connected jaws, the opposed faces of each being provided with pin receiving grooves, each of said jaws being continued by a handle member, one of said handle members having an angular extension slidably disposed through the second handle member, and a spring interposed between said members and encircling said angular extension.

1,501,817. MACHINE FOR MARKING ROUND ARTICLES. FREDERICK J. SÉVIGNÉ, Milford, N. H. Filed Sept. 22, 1922. Serial No. 589,793. 20 Claims. (Cl. 101—40.)



13. A marking machine comprising in its construction a substantially horizontal endless belt carrying a marking member, and a longitudinally stationary runway vertically yieldable throughout its length below said belt.

1,501,818. AERIAL ADVERTISER. ANDREW A. SOULEK and KARL A. HOBLIT, Lincoln, Nebr. Filed Mar. 20, 1924. Serial No. 700,573. 6 Claims. (Cl. 244—1.)



3. In combination with an aircraft, means for leaving a trail of visible and relatively persistent smoke and vapor behind the aircraft in its path, said means including a single container in which a vegetable oil emulsion is carried, means under the control of the pilot for discharging said emulsion into the exhaust pipes whereby the exhaust gases will ignite the oil particles and vaporize the water in the emulsion, whereby a mixture of smoke, exhaust gases, and steam is discharged from the exhaust pipe.

1,501,819. AUTOMOBILE-SPRING CONSTRUCTION. FRANK N. SPRAGUE, Holyoke, Colo. Filed Apr. 14, 1923. Serial No. 632,024. 5 Claims. (Cl. 267—36.)

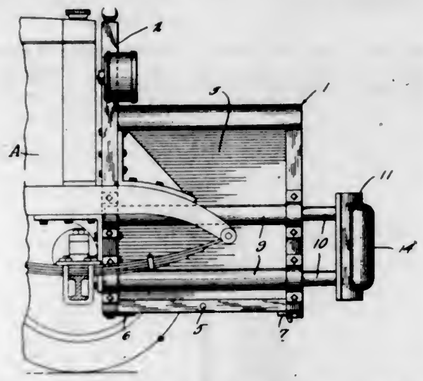
1. In automobile spring construction of the character described, the combination with the body supporting side bars and axle, of a cross bar connecting said side bars, semi-elliptic side springs secured to said axle so that the greater part of their lengths lie on one side of said axle, the ends of the longer portion of said springs being secured to said side bars, a cross bar connecting the

opposite ends of said springs, a cross bar connecting said side bars, an elliptic spring interposed between said cross bars, pulling members secured to said side springs and connected to the ends of said side bars, friction elements secured at one end to opposite sides



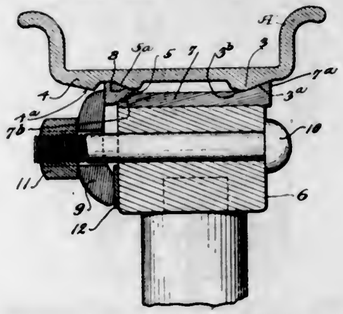
of one of said cross bars and extending beyond the opposite cross bar, and means for resiliently pressing the unsecured end portions of said friction elements against said elliptic spring, thereby to retard the compression and rebound of said spring.

1,501,820. AUTO FENDER. ALEXANDER STEACH, Boston, Mass. Filed Feb. 9, 1924. Serial No. 691,771. 3 Claims. (Cl. 293—54.)



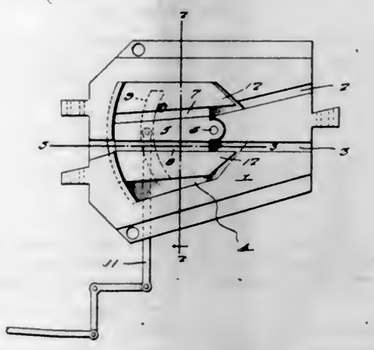
2. In combination with a vehicle, a frame connected with the front thereof and including upwardly extending side and rear pieces forming a casing, a tiltable bottom for the casing, latch means for holding the bottom in closed position, cushions on the side and rear pieces and on the bottom, a bumper, means for movably supporting the bumper from the frame and spring means for resisting the rearward movement of the bumper.

1,501,821. INTERCHANGEABLE DEMOUNTABLE RIM. GEORGE STEINGRUBER, Atlanta, Ga. Filed Mar. 24, 1922. Serial No. 546,479. 7 Claims. (Cl. 301—10.)



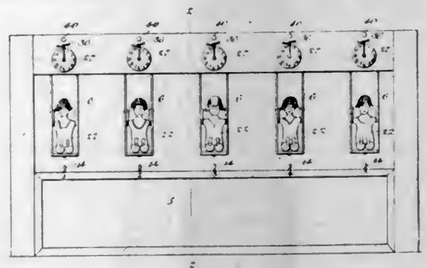
1. A demountable rim provided upon its inner periphery with a plurality of annular ribs, each of the ribs being formed with a beveled bearing surface and one of the ribs being formed with an additional reversely inclined bearing surface, the rib with the two bearing surfaces being of a greater height than the other ribs, and different selected combinations of the bearing surfaces being adapted to be used in seating the rim upon different types of wheels.

1,501,822. SWITCH FROG. JAMES P. SWIFT, Millstone, Ky. Filed Apr. 21, 1924. Serial No. 707,942. 1 Claim. (Cl. 246—386.)



A switch frog structure comprising a body plate having angularly disposed grooves channeled in the upper surfaces thereof, the said body plate being provided with a recess located between the ends of the grooves, a tongue pivoted in the recess and having converging grooves adapted to be moved in alignment with the grooves in the body plate, said body plate being provided at its ends and at the sides of the grooves therein with extension adapted to be aligned with the side edges of the grooves in the body plate.

1,501,823. AMUSEMENT APPARATUS. JENSHIRO TERUYA, Coney Island, Brooklyn, N. Y. Filed Jan. 10, 1923. Serial No. 611,780. 13 Claims. (Cl. 46—56.)

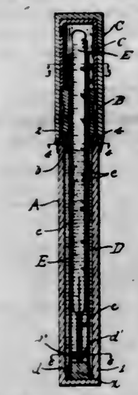


1. An amusement apparatus comprising an indicator, an object swingingly movable with respect to the indicator, the indicator including means to be engaged by the object to govern actuations of the indicator, and means for operatively moving the object.

1,501,824. THERMOMETER CASE. HENRY J. UPTON, Medford, Mass., assignor to Vaughn-Upton Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 6, 1923. Serial No. 673,180. 3 Claims. (Cl. 206—16.5.)

1. The holder above described, made up of an outer case closed at one end, a valve seat at the open end of

the outer case; an inner cylinder slidably mounted within the outer case, closed at its inner end, and having a valve seat on the outer surface of the inner end and a perforation through its walls adjacent the valve seat, all combined and operating substantially as described.

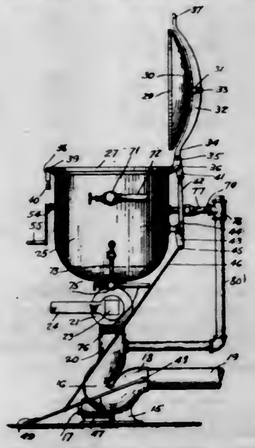


1,501,825. PENHOLDER. GEORGE R. VESTAL, Owensboro, Ky. Filed Sept. 28, 1922. Serial No. 591,100. 3 Claims. (Cl. 120—98.)



1. A pen holder provided at its forward end with spring fingers adapted to project from the holder and engage a surface upon which the holder may be placed, and a sleeve fitted upon the end of the holder and adapted to house said fingers and maintain them in inoperative position.

1,501,826. BEDPAN CLEANSER AND STERILIZER. LEON L. WATTERS, New York, N. Y., assignor to Hospital Supply Company and Watters Laboratories Consolidated, New York, N. Y. Filed June 29, 1921. Serial No. 481,263. 8 Claims. (Cl. 141—1.)



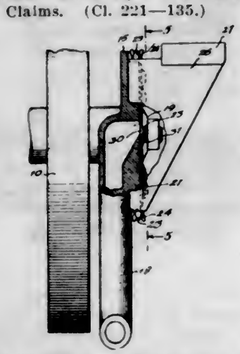
1. An apparatus comprising a tank having a hinged cover, a gasket carried by the rim of said tank, means for clamping the cover to form an impervious joint with said tank, a work holder revolubly mounted in the tank, means for manually actuating said holder, means for spraying the work carried in the holder, a hollow pedestal on which said tank is mounted, a drainage means connected with said pedestal, and pedally operated means for raising said cover.

1,501,827. SOFT-HEADED MALLET. CHAUNCY P. WHISLER, Kenmore, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 2, 1924. Serial No. 684,029. 4 Claims. (Cl. 145—29.)



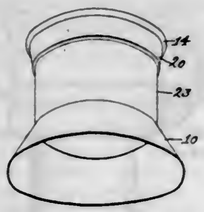
1. A mallet having a head of elastic material provided with an outwardly flaring handle-receiving eye provided with an annular internal rib adjacent the inner face of the head, and a handle having an outwardly flared end engaging said flared eye, and an annular groove engaged by said annular rib.

1,501,828. SEED PLANTER. GEORGE HENRY WRIGHT, Spokane, Wash. Filed Apr. 12, 1923. Serial No. 631,684. 2 Claims. (Cl. 221—135.)



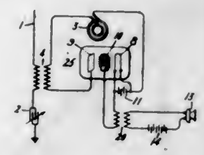
1. In a seed planter, a seed dispensing plate comprising a disk having a plurality of openings extending therethrough, said openings being located in circular arrangement in the disk, and buckets integral with the disk, said buckets projecting from the disk and partially encircling said openings, the edge of the bucket wall sloping upward from the plane of the disk, said bucket wall being inclined to the plane of the disk.

1,501,829. METAL CONTAINER. HERBERT E. WRIGHT, Melrose, Mass., assignor to Wright-Ziegler Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 11, 1923. Serial No. 662,054. 5 Claims. (Cl. 220—73.)



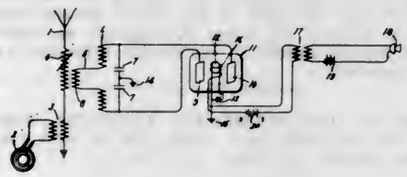
1. A metal container having a mouth adapted to be sealed by a closure member therefor and provided with an outwardly extended lip or bead and a reinforcing member upon the exterior of the container below and in proximity to said lip or bead.

1,501,830. WIRELESS SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 30, 1914, Serial No. 835,433. Renewed Feb. 29, 1924. 6 Claims. (Cl. 250—17.)



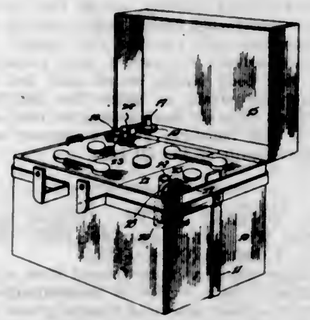
1. A modulating system comprising an antenna to be supplied with signal waves, means for supplying high frequency power to be modulated to said antenna, an audion having a cathode and anode and an auxiliary electrode, means for serially introducing the impedance between said anode and cathode into said antenna, and means for controlling the potential of said auxiliary electrode in accordance with a signal.

1,501,831. WIRELESS SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 10, 1916, Serial No. 71,190. Renewed Aug. 4, 1921. Serial No. 479,086. 38 Claims. (Cl. 250—6.)



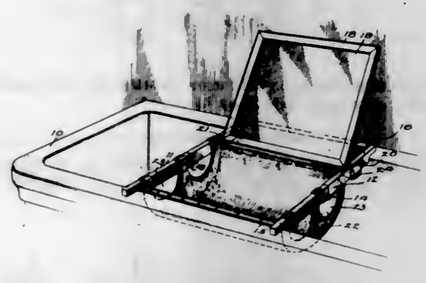
1. The method of signaling by means of a sending circuit in which inductance is neutralized by capacity through resonance which consists in diverting a variable amount of energy from the sending circuit and varying the effective resistance thereto in direct proportion to the amount of energy diverted.

1,501,832. MOTOR-VEHICLE BATTERY BOX. JACOB E. AMEND, Lovell, Wyo., assignor of one-half to Harry B. Richardson, Lovell, Wyo. Filed June 7, 1923. Serial No. 644,008. 1 Claim. (Cl. 204—29.)



A battery box including a box body shaped to fit in the battery carrier of a motor vehicle receiving a battery, a lid hinged upon the box body normally closing the box body housing the battery, a split sleeve having companion spring contact fingers, means connecting the ends of the sleeve and adjustable for clamping the sleeve to one terminal post of the battery, a coacting contact upon the lid provided at its inner end with a blade to engage between said fingers when the lid is closed, a split sleeve having a tongue to extend between the battery and the box body in electrical contact with the box body, and means connecting the ends of the latter sleeve and adjustable for clamping such sleeve upon another terminal post of the battery.

1,501,833. COLLAPSIBLE BATHTUB. JOSEPH SIMPSON AMSEL, Brooklyn, N. Y. Filed Sept. 1, 1922. Serial No. 585,768. 3 Claims. (Cl. 45—38.)



3. A device of the character described for locating in bodies of water, comprising a collapsible frame, a fabric suspended from the frame, said fabric having a plurality of notches cut in its edge for allowing the flow of water, a waterproof fabric suspended from the frame forming a clothes compartment, and a dressing table hinged to the frame along the dividing line between the fabrics.

1,501,834. BRACE FOR FENDERS. DAVID S. BACHELDER, Decatur, Ill. Filed Oct. 6, 1922. Serial No. 592,840. 1 Claim. (Cl. 280—152.)

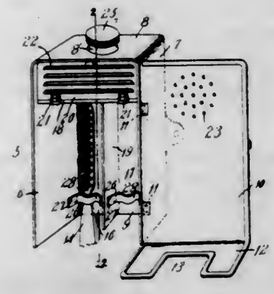


A fender brace for automobiles, comprising a channel bar adapted to extend transversely of the forward portion of a motor vehicle with its channel facing the vehicle and the closed side facing outward, arms having a half twist intermediate of their ends, whereby the outer ends of the bars will be presented flatwise and the inner ends edgewise, the outer ends of the bars terminating in downwardly extending hooks for engaging the outer edges of the fenders, the inner ends of the bars having longitudinal slots and extending into the ends of the channel and lying against the closed side thereof, bolts passing through the channel bar and the slots of the arms, longitudinally slotted clamping members lying against the underside of the arms and having offset outer ends for engaging the inner edges of the fenders, and bolts passing through the arms and the slots of the clamping members.

1,501,835. TOOTHBRUSH CONTAINER. CHARLES BASH, Brookline, Mass., assignor of one-half to Charles Herrick, Denver, Colo. Filed Jan. 10, 1923. Serial No. 611,873. 6 Claims. (Cl. 206—15.1.)

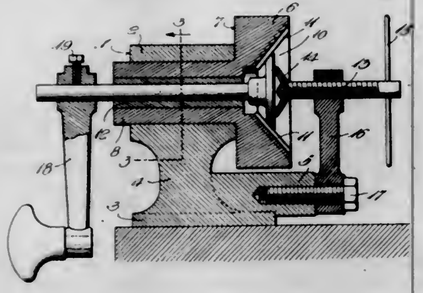
1. A tooth brush container having, in combination, a casing, means to position a tooth brush therein, a porous

member adapted to contain deodorizing material and located in said container, a door hinged to said casing and



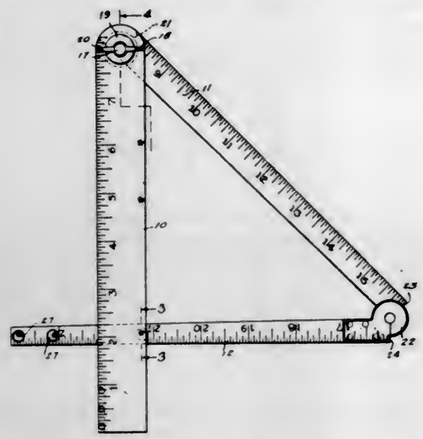
a horizontal flange on said door constituting a bottom for said casing when said door is closed.

1,501,836. VALVE FACER. WILLIAM H. BEITZ, Lomira, Wis. Filed Jan. 18, 1923. Serial No. 613,469. 1 Claim. (Cl. 82—1.)



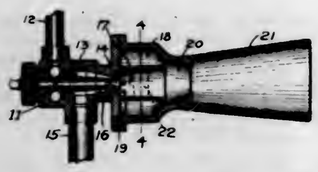
A valve facing tool comprising a substantially cylindrical body having a longitudinally extending horizontally disposed passage, said body being provided with a depending neck terminating in a flared support-engaging base adapted to be firmly secured upon a support, an arm extending from the depending neck and merging into said base and extending beyond the forward end of the base and having its forward end portion provided with a longitudinally extending threaded socket extending parallel to the axis of the passage in said body, an enlarged cutter head fitting against the forward end of said body and having a hollow shank extending through the passage in said body and held against rotation therein, said head having a conical pocket leading from its forward end, a bushing removably fitting in the hollow shank for rotatably receiving the stem of a valve having its head positioned in the conical recess of said head, radially disposed cutting blades removably fitting in grooves formed in the walls of said recess for trimming the seat-engaging face of said valve head when the valve is rotated through the medium of a turning device removably connected with the valve stem beyond the rear end of said shank and bushing, an arm having an opening registering with the threaded socket, a fastener bolt passing through the opening in said arm and screwed into said threaded socket to mount the arm for swinging movement, the swinging arm being provided in its free end portion with a threaded opening for axial alinement with said bushing when in place, a pressure screw in the threaded opening of said arm, and a foot for engaging the valve head swiveled upon the end of said pressure screw.

1,501,837. MECHANIC'S INSTRUMENT. CLARENCE FRANKLIN BENJAMIN, Milford, Conn. Filed Apr. 7, 1923. Serial No. 630,530. 6 Claims. (Cl. 33—98.)



1. A mechanic's instrument including a plurality of rule sections pivotally connected in series, means carried by the end sections and adapted for engagement to determine the angle of the several sections relative to one another, and means for adjusting the angle of said elements relative to one another after their angle has been set.

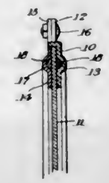
1,501,838. OIL BURNER FOR FURNACES. SAMUEL COOK, Stamford, Conn. Filed July 12, 1920. Serial No. 395,565. 5 Claims. (Cl. 158—74.)



1. An oil burner comprising a body having a flange portion and a tubular extension projecting therefrom to form an atomizing chamber, said body having a bore converging into said chamber, an oil tube in said bore having an unobstructed flaring mouth opening into said chamber and flush with the rear wall thereof, a portion of said tube reduced to form a fluid passage around the tube, said body having an oil port for the tube, and a port for steam or other like impelling fluid communicating with the fluid passage so that, under the influence of the impelling fluid, a vacuum is created in the flared mouth of the oil tube.

1,501,839. LICENSE PLATE. CHARLES D. CRASE, Jonesdale, Wis. Filed Apr. 30, 1923. Serial No. 635,703. 1 Claim. (Cl. 40—125.)

In a license plate, a frame formed from sheet metal and including a front section of substantially L-shaped cross section, spaced apertured clamping ears extending parallel to and spaced from the front edge of the front section, a back section, spaced apertured clamping ears extending from the opposite edges of the back section for clamping engagement with the clamping ears of the front section, fastening devices extending through said ears to hold the front and back sections assembled and provide a groove which extends entirely around the frame, removable panels positioned within said groove, the opposed walls of the groove



being provided with oppositely disposed grooves, packing strips positioned within the oppositely disposed grooves for contact with the opposite faces of the panels and attaching ears extending from the back section of the frame.

1,501,840. PROCESS FOR THE MANUFACTURE OF BARIUM CYANIDE. CAMILLE DEGUIDE, Enghien, France. Filed Dec. 4, 1923. Serial No. 678,527. 1 Claim. (Cl. 23—13.)

A process for the manufacture of barium cyanide by heating barium carbonate and carbon in the presence of nitrogen, consisting in mixing, with the barium carbonate and the carbon, a quantity of bibarytic silicate so calculated as to produce a mixture which is infusible at the temperature of formation of the barium cyanide.

1,501,841. METHOD OF TAKING FINGERPRINTS. AUBREY J. DRUMMOND, New York, N. Y., assignor to Kuhne Identification Systems, Inc., a Corporation of New York. Filed Feb. 24, 1922. Serial No. 539,028. 4 Claims. (Cl. 41—41.)

2. The method of taking impressions of the character described consisting in first preparing a surface with material adapted to adhere to the part to be impressed, then impressing said part thereupon, thereafter impressing said part upon a receiving surface, and thereafter treating said receiving surface to chemically establish to greater degree the impression thereon.

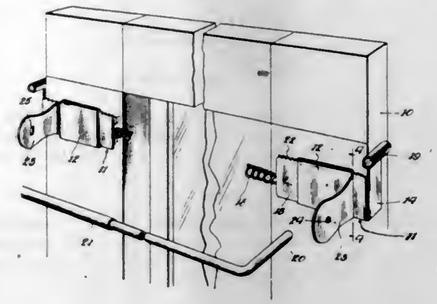
1,501,842. CAMERA FOR PHOTOGRAPHING QUICKLY-MOVING OBJECTS. FRANZ DUDA, Vienna, Austria. Filed Apr. 2, 1923. Serial No. 629,478. 3 Claims. (Cl. 88—16.6.)



1. In a camera of the character described, the combination with a horizontal row of lenses, a rotatable drum-like shutter arranged behind the lenses and having its axis parallel to and in the same horizontal plane of the lenses, the shutter having for each lens a large opening and a relatively narrow slot diametrically opposite the opening, the openings and also the slots being arranged in spiral relation, substantially as and for the purposes set forth.

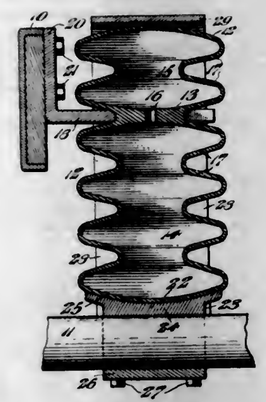
1,501,843. WINDOW-SHADE BRACKET. CECIL M. DURNELL and ROBERT WELSH, Utica, Ky. Filed June 7, 1922. Serial No. 566,536. 2 Claims. (Cl. 156—23.)

1. Brackets for window shades, comprising a pair of carriers and a pair of reversible sliding members thereon; a tensioning element tending to draw said carriers together, ledges on said carriers adapted to engage the sides of a window frame, arms on said members adapted to engage the ends of a shade roller, top and bottom flanges on said members adapted to engage the edges of said carriers whether in normal or reversed positions, ratchet teeth on the upper edges of said carriers and opposing claws integral with said flanges adapted to



engage with said teeth to retain the members in any of the said positions; the perpendicular distance between a pair of said opposing claws being slightly greater than the corresponding distance from the top of the teeth to the bottom edge of the carrier.

1,501,844. SHOCK ABSORBER. CLEMENT E. ECKRODE, New Brunswick, THOMAS L. ACKEN, Newark, and ALFRED WEILAND, East Orange, N. J., assignors to Pneumatic Appliances Corporation, New Brunswick, N. J., a Corporation of New Jersey. Filed Nov. 29, 1922. Serial No. 603,941. 5 Claims. (Cl. 267—31.)

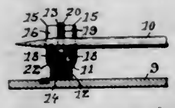


1. A shock absorber comprising an upper chamber and a lower chamber, a partition separating said chambers, said partition having a relatively small opening therethrough, and said chambers having a sealed wall of flexible material, and air under a predetermined compression contained within said chambers.

1,501,845. SAFETY CATCH FOR BROOCHES AND THE LIKE. FRANK EUGENE FARNHAM, Providence, R. I., assignor to The Jewelers Supply Company, Incorporated, Providence, R. I., a Corporation of Maine. Filed Oct. 3, 1923. Serial No. 666,386. 2 Claims. (Cl. 24—157.)

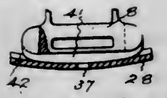
1. A safety-catch for brooches and the like, comprising a keeper having a base, spaced U shaped arms extending from the base, each having a pin tongue open-

ing and an oppositely disposed pintle bearing, a sickle shaped locking member intermediate the U shaped arms, the blade of the sickle forming the locking part of the locking member and the handle of the sickle forming the operating lever of the locking member and a pintle on one side of the locking member in a pintle bear-



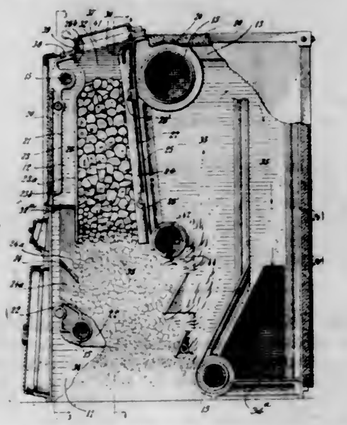
ing, whereby the locking member is pivotly secured to the keeper and either a right hand or a left hand operated safety-catch may be constructed from the keeper and locking member.

1,501,846. BRAIDING-MACHINE YARN CARRIER. OTTO A. FREDERICKSON, Wethersfield, Conn., assignor to The American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 12, 1922. Serial No. 594,012. 6 Claims. (Cl. 96—7.)



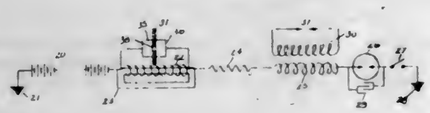
2. In a braiding machine of the type provided with a drum having an annular groove formed in its inner surface to open inwardly and having vertical slots formed in its walls in intersecting relation with said groove to provide passages for the outer yarns, and constructed to support inner yarn carriers adjacent their inner and outer ends respectively to operate in a horizontal plane; inner yarn carriers for supporting yarn masses with their axes extending in a horizontal direction radially of the drum, and a shoe projecting from the outer end of each of said carriers and formed as a flat plate extending from its carriers in a horizontal plane containing the longitudinal axis of the yarn mass to enter the groove by movement radially of the drum and constructed to span the vertical slots and slide smoothly over them as the carriers are forced outwardly by centrifugal force while traveling in their circular path.

1,501,847. BOILER. FRANK B. HOWELL, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 31, 1920. Serial No. 434,261. 13 Claims. (Cl. 110—29.)



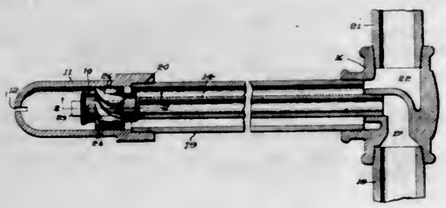
13. A boiler comprising a combustion chamber, a fuel receptacle positioned above and communicating therewith, a flue extending from said combustion chamber, a member forming a conduit between said flue and said fuel receptacle; said member having its lower end open and communicating with said combustion chamber, and its upper end closed and provided with inlet openings communicating with the upper end of said fuel receptacle, and an air conduit arranged adajcent to the front wall of said fuel receptacle having an intake opening at its lower end, and an outlet at its upper end for supplying preheated air to the intake end of the member forming the conduit intermediate the fuel receptacle and flue aforesaid, substantially as specied.

1,501,848. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 26, 1919. Serial No. 285,270. 10 Claims. (Cl. 123—148.)



1. In an ignition system, the combination with an ignition coil having a relatively high transformation ratio; a timer; a current source of relatively high voltage; and electrical means for suppressing ignition at the closing of the timer contacts.

1,501,849. OIL BURNER. FRANK H. JOHNSON, Boston, Mass., assignor to Petroleum Heat and Power Company, Boston, Mass., a Corporation of Delaware. Filed May 29, 1923. Serial No. 642,198. 8 Claims. (Cl. 158—75.)

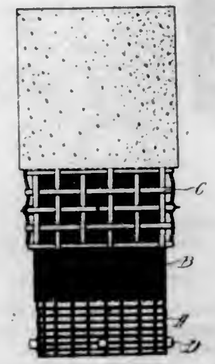


2. A burner comprising, in combination, a casing forming a burner tip having an orifice through which the combustible products are discharged, a mixer head for delivering oil and steam into the casing, vanes provided about the head and constructed to form steam passages between them which passages decrease in size in the direction they extend and are curved to present a substantially axially extending entrance portion and a substantially tangentially extending discharge portion, and means for delivering oil into the path of the steam issuing from said passages.

1,501,850. COMBINED FORM AND REENFORCEMENT FOR CEMENT. HUGO JACOB KARSTENS, Wheaton, and HARRY HUGH KARSTENS, Chicago, Ill. Filed Dec. 31, 1921. Serial No. 526,282. 3 Claims. (Cl. 72—76.)

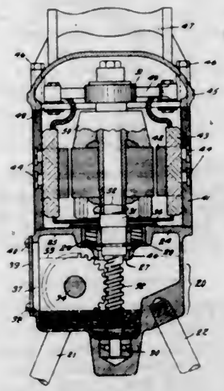
1. A structure consisting of a cementitious body, a reenforcing mesh embedded within the body and of relatively heavy gauge to afford reenforcement to the body,

a metallic supporting mesh of relatively light gauge constituting a facing for the body, and a fabric covering of



relatively close mesh bearing against the supporting mesh and interposed between the supporting mesh and the body, substantially as described.

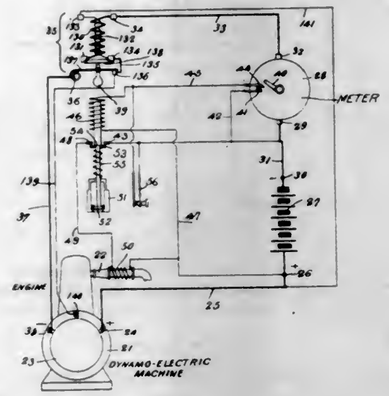
1,501,851. POWER DEVICE. LESTER S. KEILHOLTZ, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 18, 1919. Serial No. 290,986. 19 Claims. (Cl. 64—56.)



2. In a power device, the combination with a prime mover including a driving shaft; of a gear housing connected with the prime mover and provided with bearing means supporting the driving shaft, said gear housing being adapted to contain a quantity of lubricant and having an opening the lower edge of which is adapted to prevent filling the housing above a certain height; gearing supported for rotation within the housing and arranged to supply lubricant to said bearing means, and a boss projecting from the main surface of the enclosing wall to prevent the escape of the predetermined quantity of the lubricant when the power device is overturned.

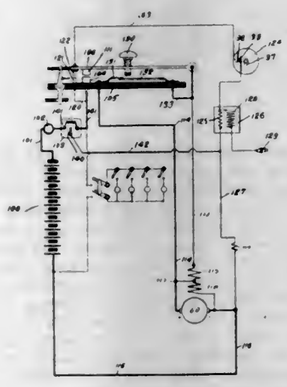
1,501,852. ENGINE-STARTING SYSTEM. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 2, 1918. Serial No. 260,777. 6 Claims. (Cl. 290—30.)

3. In a starting system, the combination with an internal-combustion engine and a starting device therefor; of a fuel vaporizer; a current source; an actuator having an electromagnet and a movable member for rendering the fuel vaporizer operative during the first part of its movement, and then for rendering the starter operative



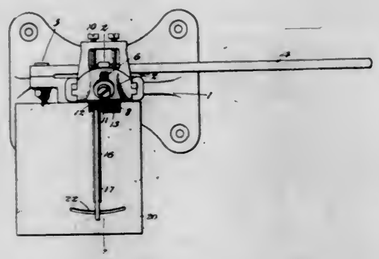
during a predetermined later part of its movement, said actuator having dash-pot provisions to retard the movement of said movable member; and means for connecting the magnet with the current source.

1,501,853. SYSTEM OF ELECTRICAL GENERATION. CHARLES F. KETTERING and WILLIAM A. CHRYST, Dayton, Ohio, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Oct. 27, 1915, Serial No. 58,207. Divided and this application filed Nov. 8, 1919. Serial No. 336,589. 12 Claims. (Cl. 29—35.)



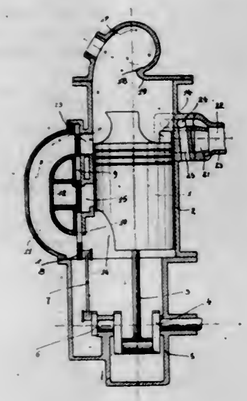
11. In an electric generating system, the combination with an engine; of an ignition circuit therefor; a dynamo-electric machine connected to said engine; a storage battery; a charging circuit connecting said dynamo-electric machine and said battery; a switch in said ignition circuit; and mechanical switch controlling means connected with said switch, said switch controlling means being driven from the engine crank shaft and operable automatically to open said switch.

1,501,854. MITER TOOL. JOSEPH KLOHE, New York, N. Y. Filed Feb. 16, 1922. Serial No. 537,127. 7 Claims. (Cl. 90—43.)



1. In a cutting machine of the class described, a reciprocating head and V-shaped cutter therein, and a gauge extending in the direction of the open end of said V-shaped cutter.

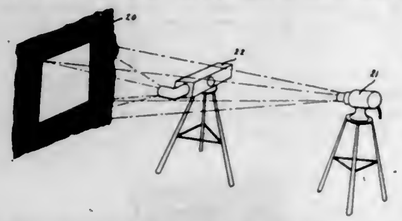
1,501,855. INTERNAL-COMBUSTION ENGINE. FERNAND LAGUESSE, Herstal, Belgium. Filed Apr. 4, 1922. Serial No. 549,555. 1 Claim. (Cl. 123—73.)



A two cycle engine comprising inlet and exhaust ports positioned at the same level, a conduit connecting the cylinder inlet port and the engine crank casing, a crank casing inlet port, a piston and a single slide valve, said slide valve being provided with two ports corresponding to the cylinder and casing inlet ports, said last two ports being controlled by the piston and slide valve; a crank offset from the engine crank by approximately 90° for operating the valve, whereby, on the descent of the piston, the cylinder inlet port is first closed by the valve for a time, then opened by the valve, the casing inlet port being closed by the valve during the descent of the piston, and on the upstroke of the piston, the piston controls the cylinder and the casing inlet ports.

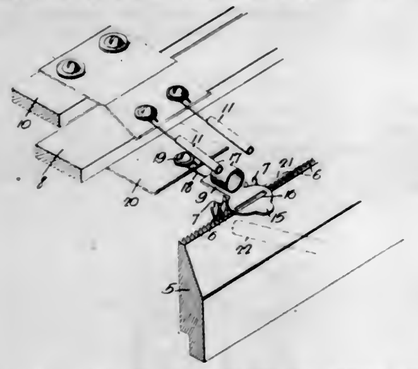
1,501,856. METHOD FOR DETERMINING THE EFFICIENCY OF LAUNDRY MACHINES. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 6, 1923. Serial No. 655,915. 7 Claims. (Cl. 88—14.)

1. The method of testing the cleansing ability of a laundry machine which includes soiling a sample of cloth, and in taking photometric measurements of the light reflecting ability of the sample before and after washing in the laundry machine, the standard of comparison being



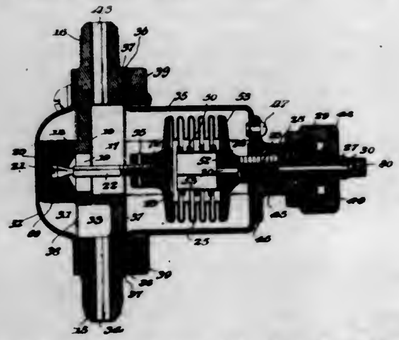
the light reflected by an unsoiled sample of preferably the same piece of cloth representing one hundred per cent cleanliness.

1,501,857. BRAID-KNITTING MACHINE. JOHN A. LIST, Philadelphia, Pa., assignor to Goodman Bros. & Hinlein, Philadelphia, Pa., a Firm. Filed June 20, 1923. Serial No. 646,552. 5 Claims. (Cl. 66—33.)



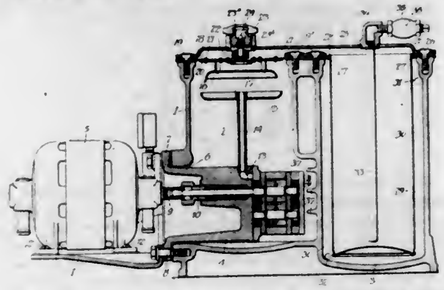
1. The combination in a machine for forming looped braid, of needles; and a guide having a flat guiding portion for a ribbon and having a contracted portion less in width than the flat guiding portion, said contracted portion being on a line with the needles.

1,501,858. EXPANSION VALVE FOR REFRIGERATING MACHINES AND THE LIKE. CHARLES L. McCUEN, Evanston, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 1, 1919. Serial No. 335,032. 16 Claims. (Cl. 59—23.)



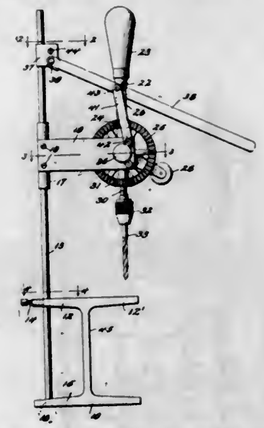
1. In a refrigerating apparatus of the described character, the combination with a valve chamber provided with passages adapted to have operative connection with the refrigerant circulatory system, a wall dividing the said chamber into two compartments, each of which is in communication with one of the said passages, a valve seat adjacent an opening in the said wall, a valve cooperating with said valve seat, a collapsible chamber secured in one of the compartments of the said valve chamber, there being a passageway extending from the interior of said collapsible chamber to the atmosphere, means for closing said passageway, and a connection between said collapsible chamber and said valve for controlling the latter.

1,501,859. REFRIGERATING APPARATUS. CHARLES L. McCUEN, Chicago, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 5, 1920. Serial No. 401,426. 13 Claims. (Cl. 62—116.)



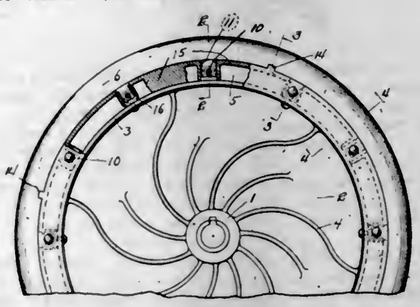
9. In a refrigerating apparatus of the class described, the combination of a casing having therein a pump chamber and a condenser chamber arranged along one side of the pump chamber separated therefrom by a common wall, a pump in the pump chamber spaced from said common wall and submerged in a fluid, and means for circulating a cooling medium in the condenser chamber whereby heat is abstracted through the common wall to cool the pump chamber.

1,501,860. BENCH BLOCK AND DRILL HOLDER. JAMES B. MARQUIS, New York, N. Y. Filed June 6, 1923. Serial No. 643,816. 4 Claims. (Cl. 77—7.)



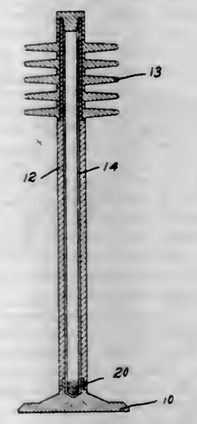
1. A drill frame comprising in combination a vertical rod, a base of such size as to be easily grasped and moved by the hand of the user having the shape in cross section of an H beam and having corresponding vertical holes in its upper and lower horizontal flanges near an edge of such size as to receive and fit the lower end of said rod serving as a support for the rod and for the article to be drilled, a sleeve surrounding said rod and adapted to slide longitudinally thereof, a laterally projecting member rigidly secured to said sleeve at one end and adapted to be secured at its outer end to a rigid part of a drill, a hand lever pivotally connected at one end to said rod above said sleeve for turning in a vertical plane and a link pivotally connected at one end to said laterally extending member at its other end to said lever between its ends.

1,501,861. RAILROAD CUSHION WHEEL. FRANCIS MEAD, Chicago, Ill., and CHARLES O. GUERNSEY, Wabash, Ind. Filed July 5, 1922. Serial No. 573,015. 15 Claims. (Cl. 295—11.)



4. In a cushioned wheel, cushions disposed in two annular formations between two rims one of which has a web spacing the two cushion formations while the other has an integral flange engaging the laterally outer face of one cushion formation, a second flange engaging the laterally outer face of the other cushion formation, cushion engaging driving dogs alternately carried by the two rims, the driving dogs carried by the flange-equipped rim being disposed for rigidly spacing the two flanges, and bolts extending through the last named driving dogs and connecting the two flanges.

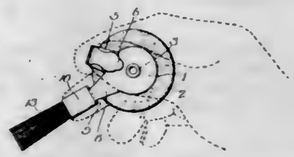
1,501,862. COOLING DEVICE FOR VALVES AND THE LIKE. THOMAS MIDGLEY, Jr., Dayton, Ohio, assignor, by mesne assignments, to The Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Jan. 10, 1918, Serial No. 211,224. Divided and this application filed Oct. 2, 1918. Serial No. 256,530. 14 Claims. (Cl. 204—1.)



1. The process of electro-plating an amalgam coating upon the interior of a metallic hollow body consisting in applying electric current to an electrolytic cell of

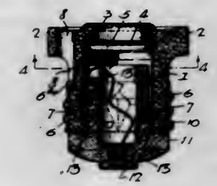
which the hollow body forms the cathode, the anode comprises one of the metals to be deposited, and the electrolyte comprises a salt of mercury and a salt of iron.

1,501,863. BRUSH AND HOLDER ATTACHMENT FOR ERASERS. JENS P. NIELSEN, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,223. 4 Claims. (Cl. 120—36.)



1. An eraser and brush combination, comprising a disk eraser, a pair of arms extending substantially radially of the eraser and at an acute angle to each other, one of the arms being equipped with a hook adapted to serve as a supporting hook for the said combination and also disposed for overhanging the thumb tip of a hand grasping the eraser, a brush socket carried by the other arm and disposed for engagement by a finger-tip of the same hand, and a brush mounted in the socket.

1,501,864. FUSE PLUG. HENRY T. PAISTE, Philadelphia, Pa., assignor to H. T. Paiste Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 15, 1921. Serial No. 484,902. 1 Claim. (Cl. 200—130.)



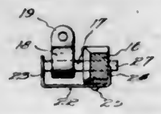
The combination of a hollow fuse plug body having a flange at one end and formed with a plurality of channels extending from its opposite end in its outside surface to said flange, said channels being extended inwardly in said second end of the body to communicate with the hollow interior thereof; a threaded terminal shell mounted on the body extended over said channeled end thereof and into the cavity of the body; with a removable capsule loosely fitting into the second end of the body and having a central contact and a relatively fusible element making electrical connection with the shell and with said contact.

1,501,865. PROCESS OF INCREASING THE FINENESS OF GROUND CARBONATE-CONTAINING MINERALS. OTTO REITMAIR, Lang Enzersdorf, near Vienna, Austria. Filed Oct. 30, 1923. Serial No. 671,794. 5 Claims. (Cl. 252—1.)

1. A process of increasing the degree of fineness of ground carbonate containing minerals, which comprises thoroughly mixing the ground mineral containing at least 3% of combined carbonic acid, with a diluted mineral acid in such proportions that essentially only the carbonates are decomposed.

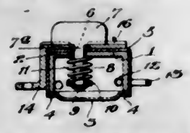
1,501,866. WEIGHING SCALE. EDGAR C. ROWE and ADOLPH MOHR, Chicago, Ill., assignors to Mason, Davis & Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 29, 1921. Serial No. 504,146. Divided and this application filed Mar. 18, 1922. Serial No. 544,757. 2 Claims. (Cl. 74—104.)

1. In a weighing scale the combination of a beam, an inverted knife edge extending through said beam and projecting therefrom at both sides, a loop member through which said knife edge extends, and a U-shaped clip passing beneath and secured to the beam at a point beneath the knife edge, one end of said clip overlying the end of the knife edge immediately beyond the position of



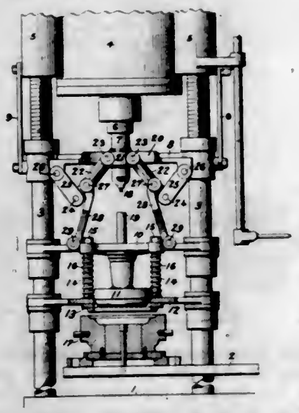
the loop member to retain the loop member in position on the knife edge and the other end of said clip being in engagement with the knife edge adjacent to the opposite face of the beam, substantially as described.

1,501,867. BRACELET CATCH. LOUIS E. SADLER, Attleboro, Mass., assignor to The F. H. Sadler Company, Attleboro, Mass. Filed June 21, 1923. Serial No. 646,783. 6 Claims. (Cl. 24—221.)



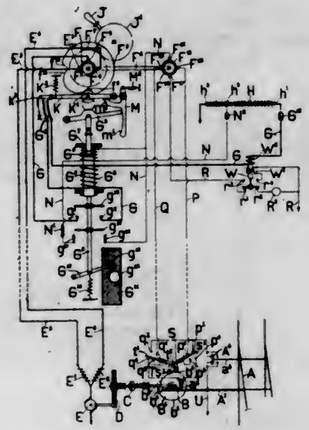
1. In a bracket catch, a housing including an inner inverted U-shaped member having an opening in its top, a bottom plate engaged with the bottom edges of said member, an outer box-like member having a top formed with a transverse groove and with an opening in register with said opening of the U-shaped member and having an open bottom, the edges of which are inturned to engage and support said bottom plate, a finger engaging member formed to engage in said groove and having a shank extending through said registering openings and having a coil spring thereon to tension the member, means to connect one end of a bracelet to the housing, and a clip formed for connection to the opposite end of the bracelet and having a slot through which said finger engaging member is movable and registrable with said first named groove and having a groove at right angles to the slot to receive said finger engaging member to hold the latter onto the housing, the clip having ears at its sides engaging the housing sides to prevent lateral movement of the clip.

1,501,868. GLASSWORKING APPARATUS. JESSE M. SAID and DAVID E. GRAY, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Apr. 10, 1922. Serial No. 551,196. 12 Claims. (Cl. 49—38.)



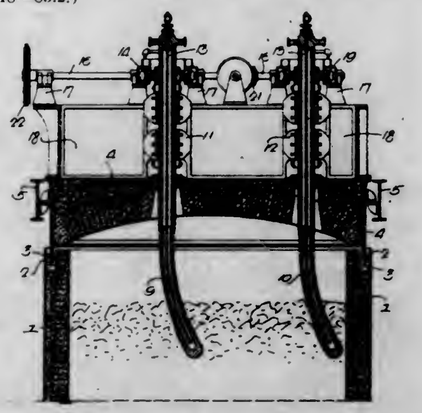
1. In a machine for pressing articles of glass, the combination of vertical standards having slidably mounted thereon a plunger cross head, and levers for actuating said plunger cross head the levers both having a floating fulcrum and a floating point of resistance separated from each other.

1,501,869. ELECTRICAL TRANSLATING DEVICE. LUDWIG SCHÖN and FELIX TOBIEN, Essen, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 4, 1922. Serial No. 541,071. 23 Claims. (Cl. 246—242.)



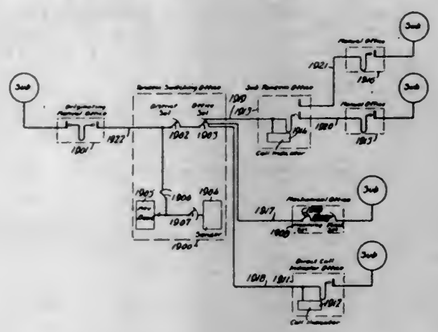
1. In combination with an electrical translating device comprising a reversible motor, a setting member for said translating device, a reversing switch in positive connection with said setting member, an overload switch connected in series with the armature of said reversible motor comprising an overload coil, and means operated by said setting member for first short circuiting said coil prior to connecting said overload switch to said reversing switch and said motor and then removing said short-circuit from said coil after said overload switch has been connected to said reversing switch and said motor.

1,501,870. GAS PRODUCER. CHARLES A. SCHRANZ, Philadelphia, Pa., assignor to Walter Wood, trading as R. D. Wood and Company, Philadelphia, Pa. Filed Sept. 26, 1922. Serial No. 590,689. 3 Claims. (Cl. 48—85.2.)



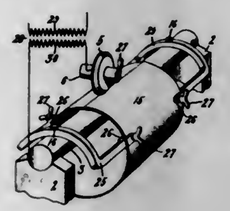
1. The combination in a gas producer, of a body portion; a top section; two stirrer bars extending into the producer from the top section, one stirrer bar being located nearer the center of rotation than the other stirrer bar; and means for separately rotating the outer stirrer bar around its own axis at a greater speed than the inner stirrer bar.

1,501,871. TELEPHONE-EXCHANGE SYSTEM. FRANKLIN A. STEARN, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 3, 1921. Serial No. 474,702. 20 Claims. (Cl. 179—27.)



1. In a telephone system, connecting circuits, automatic selective switches having access to said circuits, a variably operable switch controlling register, means for setting said register in accordance with designations, means controlled in accordance with the setting of said register for operating said switches to select one of said connecting circuits, a second variably operable switch controlling rgeister, means effective when certain designations are registered on said first register for setting the second register in accordance with such designations, means controlled in accordance with the setting of one of said registers for operating said switches to select another of the connecting circuits, a selective mechanism, and means controlled over said last connecting circuit in accordance with the setting of the other of said registers for operating said selective mechanism.

1,501,872. APPARATUS FOR RESISTANCE LINE WELDING. HARRY W. TOBEY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 10, 1923. Serial No. 656,731. 5 Claims. (Cl. 219—17.)

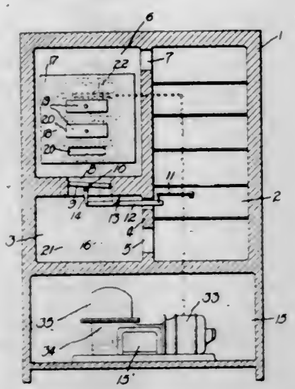


1. A welding apparatus of the type wherein means are provided for producing relative movement between the work and an electrode pressed against the work and forming a part of the circuit through which welding current is conducted across the joint between the parts to be welded together, characterized by the fact that means for holding the work are arranged to rock upon a support whereby the pressure required to bring the parts to be welded into good contact during the welding operation is reduced.

1,501,873. MANUFACTURE OF RED OXIDE OF IRON. DANIEL TYRER, Stockton-upon-Tees, England. Filed Mar. 27, 1922. Serial No. 547,204. 5 Claims. (Cl. 134—59.)

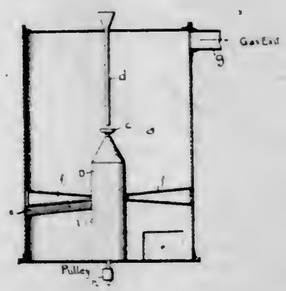
4. A method of manufacturing red oxide of iron, which consists in mixing ferrous chloride with hydrated ferric oxide in a very fine state of subdivision and passing a mixture of air and water vapour over this product at a temperature of 250° to 300° C.

1,501,874. APPARATUS FOR REFRIGERATION. FREDERIC A. WARDENBURG, Wilmington, Del., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 7, 1920. Serial No. 401,932. 7 Claims. (Cl. 62—4.)



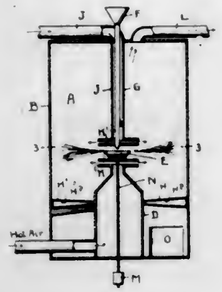
1. In a refrigerating device, a cooling compartment, a refrigerating chamber having openings communicating with said compartment for the circulation of air therethrough, a refrigerant system including a refrigerating unit within said chamber and a motor for supplying said unit with a refrigerant, a switch for said motor, means controlled by the temperature within said unit for operating said switch and means controlled by the temperature within said compartment for regulating the circulation of air through said chamber, substantially as shown and described.

1,501,875. DEVICE FOR DESICCATING LIQUID SUBSTANCES. FERDINAND WREESMANN, Munich, Germany. Filed Apr. 22, 1924. Serial No. 708,304. 1 Claim. (Cl. 159—4.)



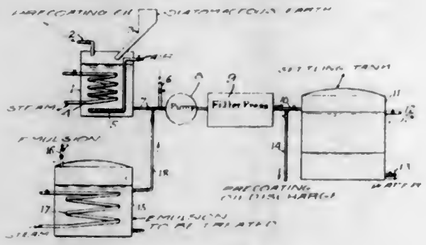
In an apparatus for desiccating solids contained in liquids by evaporation, the combination of a substantially cylindrical enclosed evaporating chamber, a vertical cylindrical column seated centrally on the bottom thereof and terminating a substantial distance below the top of said chamber, a centrifugal atomizer supported at the top of said column, and two oppositely and tangentially directed air conduits entering said chamber on opposite sides of said column the open end of each being upwardly inclined and extending laterally from said column to the wall of said chamber.

1,501,876. METHOD AND DEVICE FOR EVAPORATING THE VOLATILE CONSTITUENTS OF SOLUTIONS, EMULSIONS, AND SUSPENSIONS. FERDINAND WREESMANN, Munich, Germany. Filed Apr. 23, 1924. Serial No. 708,579. 3 Claims. (Cl. 159—4.)



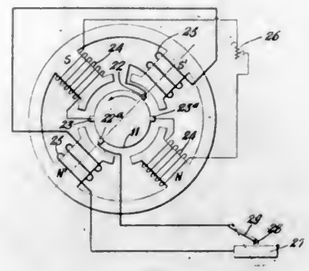
1. A method of evaporating the volatile portions of liquid materials which comprises centrifugally atomizing the liquid in all horizontal directions from the center in an evaporating chamber, into an approximately horizontal layer of liquid particles, introducing a small portion of the desiccating agent in the form of a horizontal layer closely above and parallel to the layer of atomized liquid particles, leading the major portion of the desiccating agent in an upward direction against the layer of atomized liquid particles, and causing the same to penetrate said layer, and drawing off the used desiccating agent from above the said layer of liquid particles.

1,501,877. PROCESS FOR DE-EMULSIFYING LIQUIDS. CHARLES V. ZOUL, Santa Monica, Calif. Filed Dec. 11, 1922. Serial No. 606,288. 16 Claims. (Cl. 196—41.)



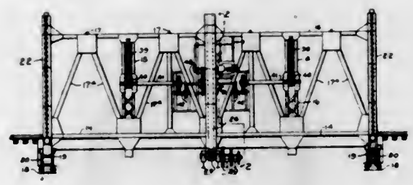
1. A process of de-emulsifying oily emulsions, consisting in wetting a filter material with a liquid miscible with the oily constituent of the emulsion to be treated; passing the emulsion through such wetted filtering material; and then separating the filtrate.

1,501,878. DYNAMO-ELECTRIC MACHINE. JAMES BURKE, Erie, Pa., assignor to Burke Electric Company, a Corporation of Pennsylvania. Filed June 15, 1922. Serial No. 568,421. 13 Claims. (Cl. 171—223.)



1. A dynamo-electric machine comprising main poles having shunt windings, main poles having series windings, said poles being angularly displaced from each other and each of the series wound poles being located between shunt wound poles, and each of the poles having a polarity the same as one adjacent pole and of opposite polarity to the other adjacent pole, and main brushes located to have the line of commutation opposite the series poles.

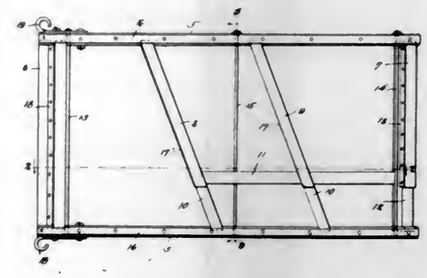
1,501,879. CAR UNLOADER. CHARLES L. KELLER, Chicago, Ill., assignor to The Scherzer Rolling Lift Bridge Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1920. Serial No. 352,290. Renewed May 23, 1924. 41 Claims. (Cl. 214—52.)



1. A car unloader comprising a rocking car supporting frame having a side truss and a track, top down holders carried by the frame for holding a car on said track, a side car supporting platform exterior to the truss and having extensions movable through the truss and provided with bearers for contact with the car side and normally in the plane of the inner side of the truss, and means for separately operating said platforms to move said bearers toward and from a car side.

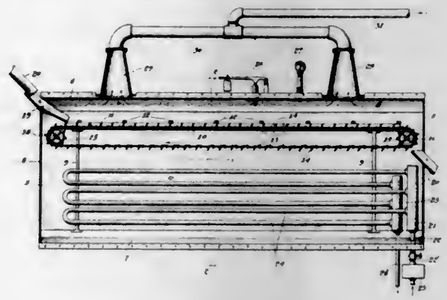
1,501,880. ROAD DRAG. PHILANDER B. DAY, Vinita, Okla. Filed Apr. 4, 1921. Serial No. 458,332. 1 Claim. (Cl. 37—148.)

In a road drag, side bars, runners on the lower surfaces of the side bars, rods having connection with the side bar for holding the side bars in spaced relation with each other, a forward drag blade and a rear drag blade, said blades being disposed at oblique angles with respect to the side bars, the rear drag blade having a cut out portion formed adjacent to one edge thereof, scraping blades arranged at oblique angles with respect to the side bars of the drag and operating in vertical planes, said scraping blades having cut out portions formed adjacent to one of the respective ends thereof and disposed in the lower edges thereof, the cut out portions in the scraping blades



being in alignment with the cut out portion of the rear drag blade, and means for holding the scraping blades in spaced relation with each other.

1,501,881. SHALE RETORT. PHILANDER L. BENNETT, Chicago, Ill. Filed Apr. 12, 1922. Serial No. 551,875. 3 Claims. (Cl. 196—19.)

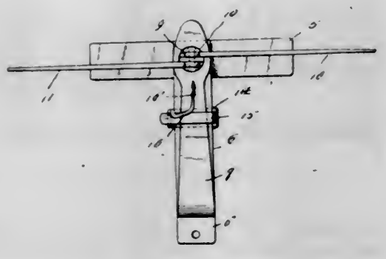


1. A shale retort comprising an elongated housing, a plurality of heating coils disposed therein, a distillation plate extending longitudinally within said housing and spaced slightly above said heating coils, a conveyor consisting of a chain-like netting movable longitudinally upon said plate in the interstices of which the shale is deposited, shovel blades mounted in said conveyor transverse to the plane of movement of the latter, said blades and netting coacting to move the shale upon said distillation plate, a plurality of scrapers arranged transversely of the length of said plate and positioned in a horizontal plane slightly above the upper edges of said shovels, and vapor outlets leading from said housing whereby the products of distillation are withdrawn.

1,501,882. ANIMAL TRAP. PETER J. NICHOLAS and WALTER JONES, Dover, Me. Filed May 29, 1923. Serial No. 642,357. 1 Claim. (Cl. 43—88.)

An animal trap, including a T-shaped base, a pair of jaws pivotally secured thereto and spaced therefrom, an expansion spring secured at one end to said base and at right angles to the jaws at the pivoted ends thereof, said spring having an opening adjacent its opposite ends for permitting the same to engage over said jaws, a plate secured to said base, a latch member hingedly mounted

upon one end of said plate and adapted for engaging over said spring when the same is in a contracted position, and a bait carrying member pivoted to the opposite ends of said plate having a rearwardly and upwardly extending portion terminating in a forwardly extending prong for receiving bait, and having a projection on the rear side of the upwardly extending portion for engaging and retaining said latch in position upon said spring, where-



by the spring will act equally on both of said jaws for moving them on their pivots by reason of its mounting perpendicular to the open position of the jaws, and will be released in a slight forward movement of the bait carrying member so that the plate will engage the rearwardly and upwardly extending portion for forcing said forwardly extending prong into the mouth of the animal to exert a temporary holding action of the animal in the trap during the closing of the jaw members.

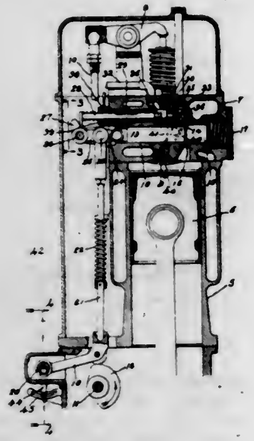
1,501,883. CHOCK BLOCK FOR AUTOMOBILES. THOMAS E. HOUGHTON, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 16, 1922. Serial No. 544,277. 5 Claims. (Cl. 188—32.)



1. A chock block for automobiles formed of a solid piece of wood having a channeled concave wheel engaging face and a rectangular recess formed in its base, and an attaching member secured in said recess and extending beyond the outlines of the base of said block at its rear end to provide attaching means for securing the block in position on its support.

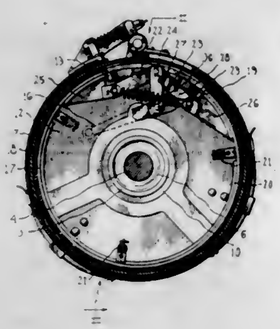
1,501,884. INTERNAL-COMBUSTION ENGINE. CHARLES R. SHORT, Dayton, Ohio, and ALEX TAUB, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 1, 1921. Serial No. 519,215. 18 Claims. (Cl. 123—33.)

1. Fuel supplying mechanism for internal combustion engines comprising a fuel supply pump operated by the engine and having a discharge port leading into the cylinder thereof; a fuel chamber communicating with said pump through a suitable port; means for supplying liquid fuel to said fuel chamber; an air supply passage leading



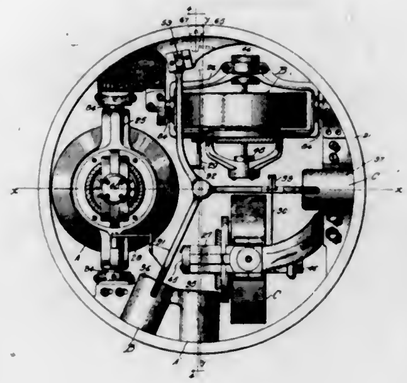
from the cylinder of the engine into said fuel chamber; and means for controlling the flow of air through said passage.

1,501,885. BRAKE MECHANISM FOR MOTOR VEHICLES. JOHN W. WHITE and LISLE H. GAYLORD, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 31, 1919. Serial No. 314,537. 6 Claims. (Cl. 188—78.)



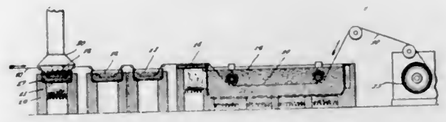
1. In a brake mechanism of the class described, a supporting member held in fixed position relative to a brake drum; an annular brake drum disposed substantially at right angles to the plane of said supporting member; a brake band located within said brake drum; an abutment carried by said supporting member and located adjacent said brake drum and between the two ends of said brake band, and the central portion of which abutment is cut away; two toggle levers pivotally connected together and the connected ends of which lie within the space provided by cutting away the central portion of said abutment as aforesaid, and the free outer ends of which are pivotally connected one with each of the ends of said brake band; and means for operating said toggle levers to thereby force said brake band against the inner surface of said brake drum.

1,501,886. GYROSCOPIC NAVIGATION INSTRUMENT. CHARLES G. ABBOT, Washington, D. C., assignor to General Electric Company, a Corporation of New York. Filed Oct. 27, 1921. Serial No. 510,803. 15 Claims. (Cl. 74—78.)



1. A gyroscopic navigation instrument comprising a buoyant medium, an element neutrally supported therein, a plurality of gyroscopes in said element arranged so that rotation of the element in any direction causes precession of one or more of said gyroscopes, and means controlled by said precession for producing a force acting on said element in opposition to the force causing the precession.

1,501,887. PROTECTED METAL AND PROCESS OF MAKING IT. FREDERICK M. CRAPO, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a Corporation of Indiana. Filed Dec. 10, 1923. Serial No. 679,650. 27 Claims. (Cl. 91—70.2.)



8. The process of zinc-coating an iron or low-carbon steel article, which consists in immersing the article in a carbonizing bath of molten salts, and subsequently applying a zinc coating.

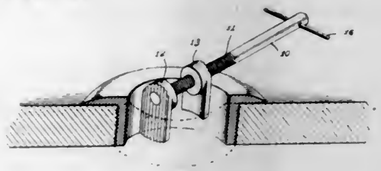
1,501,888. APPARATUS FOR HANDLING CONCRETE PIPES. COLEMAN MERIWETHER, Louisville, Ky., assignor to Peter C. Reilly, Indianapolis, Ind. Filed Mar. 28, 1921. Serial No. 456,298. 3 Claims. (Cl. 294—74.)

1. In an apparatus for handling concrete pipe sections, the combination of an articulated band arranged to extend part way around the pipe, and a chain the bight of which extends the remainder of the way around such pipe and movably co-operates with the ends of said band to tighten the latter, the ends of said chain extending upward to a lifting device, said band com-



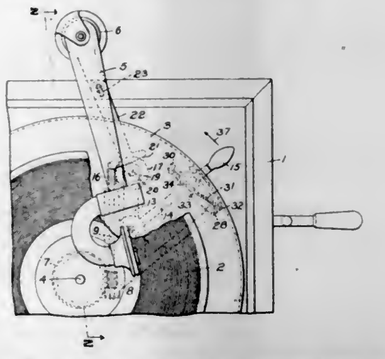
prising a series of sections removably hinged together so that the length of a band may be varied as required.

1,501,889. INTERNAL WRENCH. CLAUD J. MICK, Indianapolis, Ind., assignor to Leader Specialty Co., Inc., Indianapolis, Ind., a Corporation of Indiana. Filed June 14, 1923. Serial No. 645,252. 3 Claims. (Cl. 81—71.)



1. An internal pipe wrench, comprising a screw-threaded rod, a jaw mounted on the screw-threads of said rod, and a second jaw pivotally mounted on said rod, the exterior surfaces of said jaws being corrugated to grip internal surfaces.

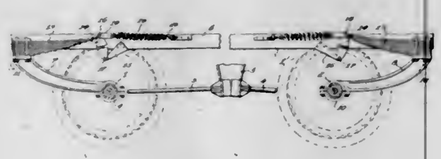
1,501,890. AUTOMATIC STOPPING MECHANISM FOR PHONOGRAPHS. WILLIAM C. ROE, Pittsburgh, Pa. Filed July 17, 1919. Serial No. 311,446. 10 Claims. (Cl. 192—118.)



1. In a phonograph machine, the combination of a brake for stopping the phonograph, and trigger for operating said brake to stop the phonograph, said trigger

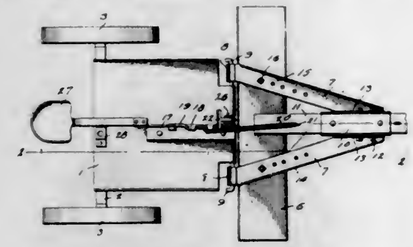
having two cocked positions, manual means to trip the said trigger from one position, and an automatic mechanism operating without manual interposition to trip the said trigger from the other position.

1,501,891. VEHICLE SPRING SUSPENSION. ERNEST SCHORR, Detroit, Mich.; Flora V. Kyte, administratrix of said Ernest Schorr, deceased, assignor to Schorr Motor Vehicle Company, a Corporation of Delaware. Filed Apr. 21, 1921. Serial No. 463,204. 4 Claims. (Cl. 267—28.)



1. A combination of a vehicle frame and axles therefor with pairs of inwardly extending distance rods pivotally connected to the axles and to the frame and in abutting relation, perch arms carried by the axles, inwardly extending spring arms each secured at the outer end to a perch arm and shackled at the other end to the chassis, and springs in tension operatively connecting the chassis frame and perch arms and effective to resist downward movement of the perch arms.

1,501,892. COMBINATION ROAD AND FARM DRAG. ISAAC W. DUNNING and HENRY CLAY SHIPLEY, Wapanucka, Okla.; said Shipley assignor of his interest to Lee McBee. Filed Mar. 1, 1922. Serial No. 540,206. 2 Claims. (Cl. 37—168.)



1. A combined road and farm drag comprising a flat plate forming a platform, a depending flange formed on the rear end of the platform, a supporting axle secured to the lower surface of the platform in engagement with the flange, supporting wheels mounted upon said axle, a hinge barrel formed on the forward end of the plate, a hinge pin mounted in said barrel, a pair of converging braces having their rear ends mounted upon said pivot pin, a draft appliance connected to the forward converged ends of the brace bars, the brace bars having openings formed therein, a transversely extending adjustable scraper blade, and bolts carried by the scraper blade adapted to be placed in any one of the openings in the brace bars.

Patents Nos. 1,501,893 to 1,502,648.

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Patents	756—No.	1,501,893 to No.	1,502,648, inclusive.
Total	1516		

Attorneys—Disbarment.

(ORDER NO. 2,874.)

U. S. PATENT OFFICE, *Washington, July 5, 1924.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Roscoe L. Peterson, of 205 Bankers Trust Building, Little Rock, Ark. (formerly of Brooklyn, N. Y.), whose registration number is 6128, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Samuel Block, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Landay Brothers, 311 Sixth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered September 28, 1909, No. 75,357, to Samuel Block, 220 Wabash Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Samuel Block at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Samuel Block, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, July 10, 1924.*

John H. Coyle, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of the Medico-Dental Specialty Co., 238 Broadway, San Diego, Calif., for registration of a trade-mark and trade-mark registered July 22, 1902, No. 38,645, to John H. Coyle, Thomasville, Ga. The Office having been unable to secure service upon said Coyle, notice is hereby given that unless said Coyle, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, June 28, 1924.*

Lucas Thompson & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Lucas Thompson & Co., of 40 Lispenard Street, New York, N. Y., No. 22,068, dated November 29, 1892, and the notice of such proceeding sent by registered mail to the said Lucas Thompson & Co., at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Lucas Thompson & Co., their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Ill.) The Laas, Eling, and Sponenburg patent, No. 703,602, for rail stay, claims 1, 2, and 4 *Held* not infringed. *Barnett* v. *Anchor Co.*, 298 Fed. Rep. 23.

Renewal of Forfeited Cases.

A petition for the renewal of a forfeited application need not be signed by the inventor or assignee, but may be signed by the attorney.

A power of attorney in the original application authorizing an attorney to transact all business in the Patent Office in connection with the application construed to be of sufficient scope to include the signing of a petition for renewal and the subsequent prosecution of the application. (*Ex parte Agee*, 101 O. G., 1609.)

Amendments.

In order to insure the prompt delivery of amendments to the proper examining division, applicants are requested in their actions on applications to give the division number and the room number appearing on the last Office letter, as well as the date of such letter.

Condition of Applications Under Examination at Close of Business July 11, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,470; Trade-Mark Division, 1,768. Oldest new case, Nov. 5, 1923; oldest amended, Nov. 12, 1923. The dates given are 1923 except where * indicates 1924.) Divisions, Examiners, and subjects of inventions.	Oldest new application awaiting office action.	Oldest amended application awaiting office action.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 29	Dec. 28	951
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 10	Dec. 6	954
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 14	*Feb. 29	1,018
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	*Jan. 10	*Jan. 23	1,092
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 12	Nov. 12	1,310
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Nov. 8	Nov. 14	1,693
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Jan. 14	*Jan. 14	1,695
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 8	*Feb. 26	1,799
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 9	*May 7	653
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Jan. 24	*Jan. 19	1,365
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Mar. 5	*Feb. 7	740
322	12. PIERCE, P. P., Machine Elements	*Feb. 1	*Jan. 17	1,081
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 11	Dec. 20	1,253
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 5	*May 19	997
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus, Plastics.	Dec. 7	Dec. 10	1,994
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Dec. 17	Dec. 17	2,670
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 3	*Apr. 9	1,228
229	18. PORTER, M. F., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 12	Nov. 12	2,095
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Feb. 11	*Apr. 9	915
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 19	*Jan. 8	1,348
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Dec. 13	*May 16	732
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 13	Dec. 12	1,302
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Dec. 3	*Jan. 5	634
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 12	Dec. 29	953
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Apr. 8	*Apr. 9	645
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 21	Nov. 24	888
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 15	*Jan. 7	1,144
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 19	*Feb. 1	1,112
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 11	*Jan. 3	1,120
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Feb. 12	*Mar. 3	1,018
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Dec. 19	Dec. 18	1,148
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 6	Dec. 20	963
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 7	*Feb. 11	1,288
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 4	*Jan. 14	820
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Mar. 28	*Mar. 20	751
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 4	*Feb. 7	1,676
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	*Jan. 12	*Jan. 12	1,443
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Jan. 21	*Feb. 1	1,441
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Feb. 2	*Mar. 1	685
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 16	*Mar. 24	1,852
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 8	*Jan. 3	708
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 5	Nov. 17	1,930
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan. 14	*Jan. 10	1,541
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 13	*Mar. 4	1,252
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 15	*Jan. 21	1,512
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Jan. 14	*Feb. 2	1,040
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Feb. 11	*Mar. 10	862
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 15	Nov. 22	2,202
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Feb. 1	*Feb. 19	455
102	DESIGNS: C. O. MARKHAM (Acting)	*June 2	*June 6	491
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	*June 11	*June 20	1,681
		*June 30	*July 8	87
			Trade-Marks	
			Labels and Prints	

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

NATIONAL CIGAR STANDS CO. *v.* FRISHMUTH BRO. & CO., INC.

No. 1,624. Decided March 3, 1924.

1. TRADE-MARKS—SURNAMES AND CORPORATE TITLES—"NATIONALS."

While an individual or corporation has no right to the exclusive appropriation of a name to which others have a common right of use as a surname or corporate title, the later competitor must take reasonable precautions to prevent confusion.

2. SAME—SAME.

An individual, firm, corporation, or association may register his or its name as a trade-mark provided such registration be accomplished so as not to prevent a like use of the name by others similarly entitled.

3. SAME—SAME.

A mere name may not be registered unless so displayed as to give a distinctive impression to the eye of the ordinary observer that the significance of the mere name is outweighed.

Mr. A. W. Murray for National Cigar Stands Co.

Appellee not represented.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

This appeal involves a decision of an Assistant Commissioner of Patents reversing the Examiner of Interferences and dismissing the opposition to the registration by Frishmuth Bro. & Co., Inc., of the word "Nationals" as a trade-mark for cigarettes.

In July of 1905 the National Cigar Stands Company was incorporated under the laws of the State of New Jersey. In March of 1914 it was succeded by the National Cigar Stands Company, incorporated under the laws of the State of Massachusetts. The earlier corporation actively engaged in the business of advertising and selling throughout the United States cigarettes, cigars, smoking tobacco, etc., this business being continued in the same way by the later corporation.

In December of 1920 Frishmuth Bro. & Co., Inc., of Philadelphia, Pa., applied for the registration of the word "Nationals" as a trade-mark for cigarettes, alleged in its application use of the mark since January 1, 1920, and submitted with its application the following drawing as representing the mark:



The Assistant Commissioner ruled that, under the decision of the Supreme Court of the United States in *Beckwith* v. *Com. of Patents*, 252 U. S. 538; 274 O. G. 613, no mark should be refused registration which consisted merely in the name of a corporation if written in some distinctive manner, and, finding that appellant's mark was so written, reversed the decision of the Examiner of Interferences and dismissed the opposition. The Assistant Commissioner's decision involved a complete misapprehension of the opinion of the Supreme Court upon which it was based, as well as a misapprehension of the Trade-Mark Act.

An ordinary surname may not be appropriated as a trade-mark by any one person as against others of the same name "who are using it for a legitimate purpose." *Brown Chemical Co.* v. *Meyer*, 139 U. S. 540; 55 O. G. 287. In *Columbia Mill Co.* v. *Alcorn*, 150 U. S. 460, 466; 65 O. G. 1916, the Court said:

> A person may put his own name upon his own goods, notwithstanding another person of the same name may, in that name, manufacture and sell the same or similar articles.

Each party, of course, must clearly indicate the origin and identity of his product. In *Howe Scale Co.* v. *Wyckoff Seamans, Etc.*, 198 U. S. 118, 138; 116 O. G. 209, the Court sustained the right of a corporation to the use of the surname "Remington," saying:

> In our opinion the Remingtons and Sholes made a reasonable and fair use of their names in adopting the name "Remington-Sholes" for their machine, and in giving that name to the corporation formed for its manufacture and sale.

In its opinion the Court quoted with approval the following:

> A body of associates who organize a corporation for manufacturing and selling a particular product are not lawfully entitled to employ as their corporate name in that business the name of one of their number when it appears that such name has been intentionally selected in order to compete with an established concern of the same name, engaged in similar business, * * *. This, of course, assumes not only that the name selected was calculated to deceive, but that the selection was made for that purpose.

In *Waterman Co.* v. *Modern Pen Co.*, 235 U. S. 88, 94; 210 O. G. 1065, it was ruled that when the use of his own name upon his goods by a later competitor leads the public to confuse them with the goods of an older and well established firm of that name, the law will require him to take reasonable precautions to prevent mistake; and that—

> there is no distinction between corporations and natural persons in the principle, which is to prevent a fraud.

[1] The purport of these decisions is that while an individual or corporation has no right to the exclusive appropriation of a name to which others have a common right of use as a surname or corporate title, the later competitor must take reasonable precautions to prevent confusion.

[2] It follows from what we have said that the provision of the Trade-Mark Act that no mark shall be registered which—

> consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed or woven in some particular or distinctive manner,

was not intended to permit and does not permit an individual, firm, corporation or association of another name measurably to appropriate the goodwill of an established individual, firm, corporation, or association built up under his or its name, through adoption of that or a similar name as a trade-mark. *Rogers* v. *International Silver Co.*, 34 App. D. C. 410; *The Mansfield Tire & Rubber Co.* v. *Ford Motor Co.*, 44 App. D. C. 205; 222 O. G. 1056; *in re United Drug Co.*, 44 App. D. C. 209; 222 O. G. 729; and *Howard Co.* v. *Baldwin Co.*, 48 App. D. C. 437. The real purpose of this provision was to permit an individual, firm, corporation, or association to register his or its name as a trade-mark, provided such registration be so accomplished as not to prevent a like use of the name by others similarly entitled.

[3] In the present case the appellant, for more than 15 years prior to the adoption by appellee of the word "Nationals," had extensively advertised and sold "under the name National Cigar Stands Company," cigarettes, cigars, smoking tobacco and other tobacco products, and it is apparent that the word "National" as the predominating feature of appellant's name, necessarily had come to indicate to the purchasing public its particular product. When, therefore, Frishmuth Bro. & Co. adopted for its mark, on goods of the same description properties, the plural of this distinguishing word, the conclusion is irresistible that it did not do so in good faith but, on the contrary, for the purpose of appropriating the goodwill of appellant. Had this word been a distinctive feature of appellee's corporate name, which had been selected for no ulterior purpose, a different case would have been presented; but, even then, it could not have been said that the manner in which appellee printed its mark constituted compliance with the statute. We have said that the controlling principle underlying the requirement of the statute is that a mere name may not be registered unless so displayed as to give such a distinct impression to the eye of the ordinary observer that the significance of the mere name is outweighed. *In re Artesian Mfg. Co.*, 37 App. D. C. 113; 166 O. G. 988.

There is nothing in *Beckwith* v. *Com. of Patents*, 252 U. S. 538, inconsistent with what we have said. That case involved the registration of a composite mark, carrying certain descriptive matter, which had been disclaimed. The Supreme Court said:

> No question of patent right or of unfair competition, or that the design of the trade-mark is so simple as to be a mere device or contrivance to evade the law and secure the registration of non-registrable words, is involved. *Nairn Linoleum Co.* v. *Ringwalt Linoleum Works*, 46 App D. C. 64, 69; 237 O. G. 919.

It is clear, therefore, that the question now before us was not involved in the Beckwith case. The object of the Trade-Mark Act was to protect honest dealers, to prevent and not promote confusion. The conclusion reached by the Assistant Commissioner would completely frustrate that object. The decision therefor is reversed and the opposition sustained.

Reversed.

Court of Appeals of the District of Columbia.

IN RE THE IRVING DREW COMPANY.

No. 1,620. Decided April 7, 1924.

1. TRADE-MARKS—PURCHASE OF BUSINESS WITH RIGHT, TITLE, AND INTEREST OF THE MARK.
   Where the mark was first used in 1909 by the Utz & Dunn Company and the applicant began to use it on the same class of goods in 1912 and prior to the decision of the Commissioner purchased the business of the company and all its right, title, and interest in the mark, *Held* that the use of the mark by the applicant and its predecessors in interest dates back to 1909.
2. SAME—MEANING OF WORDS CONSTITUTING THE MARK.
   The meaning which should be given to the words constituting the mark is the impression and signification which they would convey to the public.
3. SAME—SAME—DESCRIPTIVE WORDS—"ARCH REST."
   If "Arch Rest" is a term which would be recognized by the public as the designation or name of some part of a boot, shoe, or slipper, it would be descriptive.
4. SAME—SAME—MARK NOT DESCRIPTIVE—MERELY SUGGESTIVE.
   If there is no part of a boot, shoe, or slipper which is known as the arch rest, and the public understands from "Arch Rest" that the *use* of footwear stamped with the mark will give rest, aid, or support to the arch of the foot and not rest or support to the arch of the boot, shoe, or slipper, it is not descriptive of the goods, but is merely suggestive.

Mr. J. R. Hodder for The Irving Drew Co.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge of the U. S. Court of Customs Appeals.

SMITH, *J.*:

This is an appeal from a decision of the Commissioner of Patents, which held that the words "Arch Rest" were descriptive of the goods and affirmed the decision of the Examiner refusing to register the words as a trade-mark for boots, shoes and slippers.

It appears from the record that the mark "Arch Rest" was first used on boots and shoes in 1909, by the Utz & Dunn Company and that the applicant, the Irving Drew Company, began to use it in 1912.

[1] Prior to the decision of the Commissioner, the applicant purchased the business of the Utz & Dunn Company and all its right, title and interest in and to said mark. It may be considered as established therefore that the use of the mark by the applicant and its predecessors in interest dates back to 1909.

Shoe manufacturers other than the Utz & Dunn Company also made use of the mark and some of them sought to register it in the Patent Office. Upon being notified however of the claims of the Irving Drew Company such shoe manufacturers ceased to use the words "Arch Rest" and recognized the prior right thereto of the Irving Drew Company.

Whether "Arch Rest" the mark proposed for registration is descriptive of the boots, shoes and slippers to which it is applied by the applicant, is the question presented by this appeal.

[2, 3, 4] The meaning which should be given to the words constituting the mark, is the impression and signification which they would convey to the public. If "Arch Rest" is a term which would be recognized by the public as the designation or name of some part of a boot, shoe or slipper, it would be clearly descriptive. On the other hand, if there be no part of a boot, shoe or slipper which is known as the arch rest and the public understands from "Arch Rest" that the *use* of footwear stamped with that mark will give rest, aid or support to the arch of the foot and not rest or support to the arch of the boot, shoe or slipper, it is not descriptive of the goods but is merely suggestive.

In our opinion rest, ease or support to the arch of the foot was the meaning which the applicant intended to convey by the mark and was the meaning accorded to it by the public. That interpretation finds strong support in the fact that a boot, shoe or slipper which would give rest to the *arch of the foot*, would be far more likely to attract buyers than would a boot, shoe or slipper which had a rest or support for the *arch of the footwear*. Indeed, the Patent Office when it registered such marks as "Archbrace," "Repose Arch," "Arch Doctor," and "Arch Comfort," "Arch Preserver," "Arch Developer," "Arch Grip," and "Arch D-Fend-R," must have construed the word "arch" to mean the arch of the foot when used as part of trade-marks for footwear. Just why "arch" should be given a different meaning when used in conjunction with the word "rest" is not apparent.

"Rest" does mean, among other things, "a support * * * as a rest for a foot, a gun rest," and when "rest" is used in that sense and is the designation or part of the designation by which an article or part of an article is commonly known, it must be regarded as descriptive. Foot rests and head rests are well known designations of parts of dentists' and barbers' chairs and are therefore descriptive. There is however no part of boots, shoes or slippers which is commonly known as the arch rest and from that it follows that "arch rest" can not be considered as descriptive of such articles. The following cases cited in the brief for the Commissioner, are not in point: *In re Alvah Bushnell Co.* 49 App. D. C. 133; 270 O. G. 189; *Toledo Scale Co.*, 52 App. D. C. 103; 303 O. G., 399; *In re Kawneer Manufacturing Co.*, 48 App. D. C. 587; 262 O. G. 167; *Florence Manufacturing Co.* v. *Dowd & Co.*, 178 Fed. 73; *In re Swan & Finch Co.*, 49 App. D. C. 95; 266 O. G. 139; *Burt* v. *Young*, 98 N. E. 596. In the Bushnell case registration was refused for the words "Safe T Seal." The refusal was upheld by the court on the ground that the public would identify the goods to which the mark was attached as safety-seal envelopes or safe-seal envelopes, for which class of envelopes a patent had been issued to others than the applicant and which were commonly known as safety envelopes or safety-seal envelopes.

In the Toledo Scale Company case, registration was sought for the words "Honest Weight" as a trade-mark applicable to scales. The court interpreted the words "Honest Weight" to mean correct or accurate and therefore indicative of the quality of the article.

In the Kawneer Manufacturing Co. case the registration of the word "Easyset" as a trade-mark for window sashes was properly refused inasmuch as the word was designed to produce and did produce the impression that the parts of the window sashes were easily set in place or that the *glass* of the sash was so set that it would "ride" easily without danger of breakage. "Easyset" consequently announced to the public an inherent quality of the sashes and was therefore held not to be registrable.

In the Swan & Finch Co. case, the Patent Office refused to register the words "Slo Flo" for lubricating grease for high-speed machines, and that decision was upheld by the court on the ground that "Slo Flo" was descriptive of the viscosity of the grease and of its quality of flowing slowly.

In *Burt & Co.* v. *Coes & Young Co.*, a bill in equity was brought to restrain the defendant from using its trade-mark "Flexible Arch." That mark unmistakably referred not to the arch of the foot, but to the arch of the *shoe* and was therefore clearly descriptive. Registration of the mark does not seem to have been directly involved in that case.

More to the point and supporting applicant's contention is a decision of the U. S. Circuit Court of Appeals for the Ninth Circuit in which it was held that the terms "Arch Builder," and "Heel Leveler," were susceptible of exclusive appropriation as trade-marks inasmuch as they were used in a secondary sense. *Wonder Mfg. Co.* v. *Block et al.*, 249 Fed. 748, 749; 253 O. G. 955.

The description, the inherent qualities, the characteristics of boots, shoes and slippers is one thing and the effect which the use of the articles may produce on the wearer is another.

The decision appealed from is reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

803,684, J. A. Fleming, Instruments for converting alternating electric currents into continuous currents, consent order discontinuing action without prejudice filed Mar. 12, 1924, D. C., S. D. N. Y., Doc. E 24/198, *Radio Corp. of America* v. *J. Hohenstein et al.*

822,723, R. Conrad, Ball bearing, consent order of discontinuance without prejudice filed Apr. 16, 1924, D. C., S. D. N. Y., Doc. E 25/81, *Hess-Bright Mfg. Co. et al.* v. *A. S. Hecht (Riebe Ball Bearing Co., Inc.)*. Same, Doc. E 25/139, *Hess-Bright Mfg. Co. et al.* v. *Riebe Ball Bearing Co., Inc.)*. Same, consent order of discontinuance without prejudice filed Apr. 19, 1924, D. C., S. D. N. Y., Doc. E 25/178, *Hess-Bright Mfg. Co. et al.* v. *Jarosch Bearings Corp.*

834,063, Kearney & Trecker, Means for lubricating machine tools, consent order dismissing bill entered May 17, 1924, D. C., S. D. Ohio (W. Div.), Doc. E 318, *Kearney & Trecker Corp.* v. *The Cincinnati Milling Machine Co.*

879,532, L. de Forest, Space telegraphy, suit filed May 12, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1159, *Radio Corp. of America et al.* v. *The Cleveland Carlight Co. et al*

885,936, G. L. Mason, Sign letter, suit filed May 15, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1160, *G. L. Mason Co. v. W. E. Cochran et al.*

886,884, W. F. Smith, Manufacture of paper cones for yarn-winding machines, suit filed Dec. 21, 1922, D. C., E. D. N. C., Doc. E 95, *Southern Novelty Co. v. Economy Cone & Tube Co.* Decree adjudging infringement. (Notice dated May 21, 1924.)

909,199, R. Miehle, Printing press, suit filed May 16, 1924, D. C., S. D. N. Y., Doc. E 29/195, *Miehle Printing Press & Mfg. Co.* v. *Printing Press Extension Delivery Co., Inc.*

942,699, L. H. Baekeland, Resinous body and method of producing same; 1,038,475, same, Process of making insoluble bodies derived from phenol alcohols; 942,852, same, Indurated product and method of preparing same; 1,020,593, J. W. Aylsworth, Phenolic condensation product and method of preparing same; 1,098,608, same, Enamel lacquer or varnish, suit filed May 12, 1924, D. C., W. D. N. Y., Doc. 614 D, *Bakelite Corp.* v. *Durez Co., Inc.*

942,852. (See 942,699.)

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps, suits filed May 15, 1924, D. C., Mass., Doc. E 1962, *General Electric Co.* v. *Energy Electric Co. et al.* Same, Doc. E 1963, *General Electric Co. v. J. J. Jackman et al.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, final consent decree sustaining patents, adjudging infringement by defendant, Filament Export Co., and granting injunction filed May 14, 1924, D. C., S. D. N. Y., Doc. E 28/79, *General Electric Co.* v. *W. Leith & Filament Export Co.* Same, suit filed May 17, 1924, D. C. N. H., Doc. E 131, *General Electric Co.* v. *Radia Vacuum Products Co.*

1,020,593. (See 942,699.)

1,038,475. (See 942,699.)

1,045,772. (See 1,208,126.)

1,058,285, L. A. Young, Upholstery-spring construction, suit filed May 19, 1924, D. C., E. D. Mich., Doc. 742, *L. A. Young Industries, Inc.*, v. *Jenks & Muir Mfg. Co.*

1,098,608. (See 942,699.)

1,122,715, J. J. Fitzgerald, Process for smoking hams, shoulders, etc., and the product thereof, suit filed May 21, 1924, D. C., E. D. Mich., Doc. 753, *T. F. Keeley et al.* v. *Pontiac Packing Co.*

1,136,164, Ohmer & Bridenbaugh, Taximeter, order dismissing action filed Mar. 24, 1924, D. C., S. D. N. Y., Doc. E 26/380, *Ohmer Fare Register Co.* v. *American Taximeter Co.*

1,160,137, H. P. C. Browne, Taximeter, suit filed May 24, 1923, D. C., S. D. N. Y., Doc. E 26/356, *D. Browne et al.* v. *Yellow Taxi Corp.* Order dismissing action filed Mar. 24, 1924.

1,178,347, J. P. Ratigan, Combined pipe and rod wrench and cutter; 1,482,148, same, Clamp, suit filed Mar. 28, 1924, D. C., S. D. Calif., Doc. H 78 J, *J. P. Ratigan* v. *A. P. Worthington.*

1,180,159. (See 1,018,502.)

1,208,126, J. E. Francisco, Lubricating system for motors; 1,045,772, H. E. Coffin, Lubricator, suit filed Apr. 25, 1924, D. C., S. D. Calif., Doc. E H 90 J, *W. O. Thompson* v. *E. V. Roland et al.*

1,219,064, R. W. Ashley, Vehicle wheel rim, suits filed May 13, 1924, D. C., S. D. N. Y., Doc. E 29/178, *R. W. Ashley* v. *J. Mattern & Sons, Inc.* Same, Doc. E 29/179, *R. W. Ashley* v. *Hayes Wire Wheel Sales Corp.*

1,300,166. (See 1,460,649.)

1,383,845, W. H. Palmer, jr., Storage-battery connecter, case dismissed without prejudice Mar. 24, 1924, D. C. Minn., Doc. 667, *The Electric Storage Battery Co.* v. *National Lead Battery Co.*

1,390,135, C. C. Jantzen, Bathing suit, suit filed May 16, 1924, D. C. Wash. (S. Div.), Doc. E 214, *Jantzen Knitting Mills, Inc.*, v. *Olympia Knitting Mills, Inc.*

1,391,820. (See 1,460,649.)

1,452,247, T. A. Mayberry, Mold for making cementitious products, suit filed Mar. 15, 1924, D. C., S. D. Calif., Doc. E H 70 B, *T. A. Mayberry et al.* (*Beehive Cesspool Co.*) v. *Currier & Ray* (*Currier & Son*) *et al.*

1,460,649, A. J. Gerrard, Wire stretching and tying machine; 1,391,820, W. M. Boenning, Portable wire-tying machine; Re. 15,486, E. Hatch, Bundling machine, suit filed May 13, 1924, D. C., S. D. N. Y., Doc. E 29/182, *A. J. Gerrard* v. *Ti-it Machines Co.*

1,473,583, A. W. Lohn, jr., Auto door sign, suit filed Apr. 22, 1924, D. C., S. D. Calif., Doc. H 83 M, *A. W. Lohn, jr., et al.* v. *Parker & Waterman Mfg. Co.*

1,482,148. (See 1,178,347.)

Re. 15,486. (See 1,460,649.)

Re. 15,794, W. H. Cary, Shoe, suit filed May 19, 1924, D. C., W. D. N. Y., Doc. 615 D, *Avon Sole Co.* v. *Le-Hy Shoe Co.*

Des. 63,507, S. Sobel, Pedestal for display fixtures, suit filed May 21, 1924, D. C., S. D. N. Y., Doc. E 29/210, *Frankel Display Fixture Co., Inc.*, v. *S. Sobel et al.* (*David Sobel's Sons*).

TRADE-MARKS

OFFICIAL GAZETTE, JULY 22, 1924.

[VOL. 324. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 131,099. (CLASS 39. CLOTHING.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore and Cumberland, Md. Filed Apr. 14, 1920.

RADIUM

Particular description of goods.—Men's, Women's, and Children's Underwear Made of Netted and Textile Fabrics and in One, Two, and Three Piece Garments.
Claims use since January, 1913.

Ser. No. 141,439. (CLASS 12. CONSTRUCTION MATERIALS.) THE UPSON COMPANY, Lockport, N. Y. Filed Dec. 22, 1920.



The mark consists of a red center in the board or paper comprising laminations of dyed fiber viewable from the edge or on the walls of any cut made therethrough. It has been displayed in the form of two laminations of red separated by a thin lamination of white, so as to appear practically as a broad red line, the intervening white being not readily distinguishable.
Particular description of goods.—Artificial Lumber in the Nature of Heavy Paper or Fiber Board.
Claims use since Nov. 1, 1915.

Ser. No. 150,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES A. DOYLE, New York, N. Y. Filed July 6, 1921.



Particular description of goods.—Woolen Goods in the Piece.
Claims use since Nov. 1, 1920.

Ser. No. 156,787. (CLASS 39. CLOTHING.) SARAH O. GRADY, Chicago, Ill. Filed Dec. 16, 1921.

WEAREVER

Particular description of goods.—Girdles and Corsets
Claims use since Nov. 18, 1921

Ser. No. 159,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAULAIS CO., Los Angeles, Calif. Filed Feb. 13, 1922.



No claim is made to the representation of a fleur-de-lis, except in the combination and arrangement shown.

Particular description of goods.—Food Sirups, Candies; Nuts, Plain, Salted, and Candied; Oranges, Fresh, Candied, and Preserved; Cakes, Pastries, Mincemeat, Chewing Gum, Coffee, Tea, Cocoa, Chocolate, Drinking and Cooking.

Claims use since July, 1920.

Ser. No. 162,146. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPAUDE & SON, Milwaukee, Wis. Filed Apr. 11, 1922.

SPAUDE'S
GOLDEN DREAM

Particular description of goods.—Candy.

Claims use since Jan. 15, 1922.

Ser. No. 162,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEBER ELECTRIC COMPANY, Schenectady, N. Y. Filed Apr. 12, 1922.

ROYAL

Particular description of goods Incandescent-Electric-Lamp Sockets.

Claims use since June 15, 1921.

Ser. No. 163,386. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EQUIPMENT CORPORATION OF AMERICA, Chicago, Ill. Filed May 5, 1922.

UNIVERSAL

Particular description of goods.—Machines, Devices, Machinery, and Apparatus for Making Concrete and Similar Material, Particularly Concrete Mixers, Paving Mixers, Building Mixers, and Grouters.

Claims use since about Jan. 1, 1916.

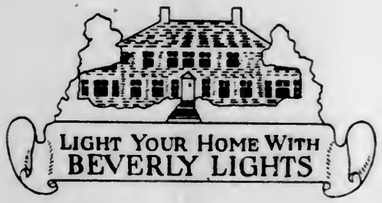
Ser. No. 164,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGGIN'S PACKING COMPANY, Omaha, Nebr. Filed June 3, 1922.

MIDVALE

Particular description of goods. Hams and Bacon.

Claims use since Feb. 19, 1921.

Ser. No. 165,179. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEVERLY LIGHTS CORPORATION, Providence, R. I. Filed June 8, 1922.



No claim to the use of the words "Light Your Home With."

Particular description of goods.—Electric-Lighting Fixtures and Lighting-Fixture Parts.

Claims use since Feb. 10, 1922.

Ser. No. 166,123. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AEOLIAN COMPANY, New York, N. Y. Filed June 27, 1922.

Vocalion

Particular description of goods.—Assembled Radio Transmitting and Receiving Sets.

Claims use since about June 14, 1922.

Ser. No. 166,337. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, New York, N. Y.; Chicago, Ill., and St. Louis, Mo. Filed July 1, 1922.

TROUSSEAU

BATISTE

No claim is made to the word "Batiste" apart from the mark shown.

Particular description of goods.—Cotton Goods in the Piece.

Claims use since Aug. 1, 1921.

Ser. No. 168,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABEL C. KING, Baltimore, Md. Filed Aug. 8, 1922.



No claim is made to the words "Nu-Hair Tar Salve" apart from the mark as shown.

Particular description of goods.—Preparation for Use in the Treatment of the Hair and Scalp.

Claims use since Jan. 1, 1920.

Ser. No. 168,808. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) I. STERN & COMPANY, New York, N. Y. Filed Aug. 28, 1922.



No claim is made to the word "Alloy" apart from the mark shown on the drawing. Trade-mark "Crescent."

Particular description of goods.—Dental Amalgam.

Claims use since July 26, 1923.

Ser. No. 169,034. (CLASS 39. CLOTHING.) FRANK SCHNEIDER, doing business as B. Schneider & Son, New York, N. Y. Filed Sept. 2, 1922.



Particular description of goods.—Frocks, Gowns, and Dresses for Dance, Evening, Wedding, Graduation, and Party Occasions.

Claims use since Aug. 1, 1922.

Ser. No. 169,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS MILL & ELEVATOR COMPANY, Abilene, Tex. Filed Sept. 13, 1922.

Abtex

Particular description of goods.—Dairy Ration, Dairy Feed with Molasses, Cow Feed, Horse and Mule Feed High-Power Fattening Feed, Hog Feed, Egg-Laying Mash, Hen Fattener, Hen Scratch, Baby-Chick Scratch, Grain Bone and Buttermilk Starter, Growing Mash, Whole-Wheat Flour, and Cream Meal.
Claims use since July, 1922.

Ser. No. 169,592. (CLASS 39. CLOTHING.) GREENEBAUM, WEIL & MICHELS, San Francisco, Calif. Filed Sept. 18, 1922.

University

Trade-mark consists of the word "University."
Particular description of goods.—Arm Bands of the Type Commercially Called Armlets, Suspenders, Hosiery, and Belts for Personal Wear.
Claims use since February, 1916.

Ser. No. 170,088. (CLASS 39. CLOTHING.) REGAL SHOE COMPANY, Portland, Me., and Boston, Mass. Filed Sept. 29, 1922.

NATURE'S DOCTOR SHOE
REGAL SHOE COMPANY

No claim of exclusive right is made to the word "Shoe" apart from the remainder of the trade-mark as shown.
Particular description of goods.—Boots and Shoes of Leather, of Fabric, or of a Combination of Both.
Claims use since February, 1911.

Ser. No. 170,448. (CLASS 12. CONSTRUCTION MATERIALS.) ALBERT I. RANKIN, doing business as Corkstone Products Corp., Baltimore, Md. Filed Oct. 7, 1922.

CORKSTONE

Particular description of goods.—Composition of Material for Use as a Floor Coating, as Reenforcing, and Stucco Materials, and as Bedding for Linoleum.
Claims use since Dec. 1, 1919.

Ser. No. 170,673. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHOLES RADIO AND MANUFACTURING CORP., New York, N. Y. Filed Oct. 12, 1922.

RESIST-O-METER

Trade-mark "Resist-O-Meter."
Particular description of goods.—Ohmic Resistances for Controlling Electrical Currents, Particularly Adapted for Radio Receiving Sets and the Like.
Claims use since Aug. 14, 1922.

Ser. No. 170,950. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS COFFEE COMPANY, Oakland, Calif. Filed Oct. 19, 1922.

"Like You Used to Get"

Particular description of goods.—Coffee.
Claims use since Jan. 15, 1922.

Ser. No. 171,590. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1922.

ORIENTAL PALM

No claim is made for the word "Palm" apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since May, 1922.

Ser. No. 171,748. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMOTIVE MANUFACTURERS OUTLET, INC., New York, N. Y. Filed Nov. 9, 1922.

RED RIDGE

Particular description of goods.—Electrical Specialties—Namely, Automobile Generator.
Claims use since Apr. 15, 1922.

Ser. No. 174,448. (CLASS 23. CUTLERY, MACHINERY AND TOOLS, AND PARTS THEREOF.) HARRY V HOLMAN, doing business as The Holman Clamp Company, Chicago, Ill. Filed Jan. 11, 1923.

LITTLE GIANT

Particular description of goods.—Cabinet-Makers' Clamps.
Claims use since Jan. 2, 1923.

Ser. No. 174,506. (CLASS 39. CLOTHING.) THE BOSTWICK-BATTERSON COMPANY, Philadelphia, Pa. Filed Jan. 12, 1923.

BB

Particular description of goods.—White Duck Coats, Trousers, Aprons, Hairdressers', Manicurists', Bungalow, and Slip-On Aprons.
Claims use since about Jan. 1, 1916.

Ser. No. 174,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL POULTRY FARM, New Lebanon, Ohio. Filed Jan. 19, 1923.

ROYAL

Particular description of goods.—Eggs.
Claims use since about Apr. 1, 1922.

Ser. No. 174,872. (CLASS 34. HEATING, LIGHTING AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WILLIAMS OVEN MFG CO., New York, N. Y. Filed Jan. 20, 1923.

UNIVERSAL

No claim is made to the representation of the doorplate
Particular description of goods.—Bakers' Ovens Operated by Combustible Fuels.
Claims use since January, 1913.

Ser. No. 175,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHOLL BROS., Houston, Tex. Filed Jan. 30, 1923.

RAINBOW

Particular description of goods.—Salad Dressing.
Claims use since Jan. 8, 1923.

Ser. No. 175,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL M. RENKERT, doing business as A. Renkert & Co., Memphis, Tenn. Filed Feb. 7, 1923.



The word "Spray" is disclaimed apart from the mark shown.
Particular description of goods.—Disinfectants.
Claims use since Mar. 1, 1922.

Ser. No. 175,967. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Feb. 12, 1923.

PREMIER

Particular description of goods.—Petroleum and Products of Petroleum with or without Admixtures of Other Materials for Illuminating and Heating, Lubricating, Greasing, Solvent, Waterproofing, Rust Preventing, Surface Preserving, and Tempering.
Claims use since 1900.

Ser. No. 176,472. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE HEIL CO., Milwaukee, Wis. Filed Feb. 23, 1923.

4 IN 1

Particular description of goods.—Truck Bodies.
Claims use since May, 1919.

Ser. No. 176,488. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE MAH-JONGG SALES COMPANY OF AMERICA, San Francisco, Calif. Filed Feb. 23, 1923.

MAH-JONGG

Particular description of goods.—Game Played With Pieces Somewhat Similar to Dominoes.
Claims use since on or about Oct. 26, 1920.

Ser. No. 176,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN T. MILLIKEN & COMPANY, St. Louis, Mo. Filed Feb. 24, 1923.

ALCOLO

Particular description of goods.—Preparation for Bathing and Massaging the Skin.
Claims use since June 26, 1921.

Ser. No. 176,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY INC., New York, N. Y. Filed Mar. 5, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about Feb. 4, 1921.

Ser. No. 176,944. (CLASS 39. CLOTHING.) BLAUNER BROS. & Co., New York, N. Y. Filed Mar. 5, 1923.



Without waiver of common-law rights no claim is made to the exclusive use of the words "Top Wear" apart from the mark shown on the drawing.
Particular description of goods.—Ladies' and Misses' Coats and Dresses.
Claims use since about Feb. 15, 1923.

Ser. No. 176,966. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Banker

Particular description of goods.—Men's and Boys' Leather and Fabric Shoes.
Claims use since January, 1916.

Ser. No. 176,976. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Hardware

Particular description of goods.—Men's Leather and Fabric Shoes.
Claims use since January, 1908.

Ser. No. 176,977. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Hawk

Particular description of goods.—Men's, Women's, Boys', and Girls' Leather and Fabric Shoes.
Claims use since January, 1911.

Ser. No. 176,982. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

LIVE WIRE

Particular description of goods.—Men's, Women's, Boys', and Girls' Leather and Fabric Shoes.
Claims use since January, 1910.

Ser. No. 176,983. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Lullaby

Particular description of goods.—Boys' and Girls' Leather and Fabric Shoes.
Claims use since Jan. 1, 1922.

Ser. No. 176,984. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Ma-K-Hit

Particular description of goods.—Men's, Women's, Boys', and Girls' Leather and Fabric Shoes.
Claims use since January, 1918.

Ser. No. 176,987. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Ranger

Particular description of goods.—Men's and Boys' Leather and Fabric Shoes.
Claims use since January, 1906.

Ser. No. 176,990. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923.

Shod For A Year

Particular description of goods.—Men's Leather and Fabric Shoes.
Claims use since January, 1911.

Ser. No. 177,163. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTT MILLS, Lowell, Mass. Filed Mar. 9, 1923.

RUBDRY

Trade-mark consists of the word "Rubdry."
Particular description of goods.—Woven Cotton Towels and Toweling.
Claims use since Nov. 2, 1922.

Ser. No. 177,165. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE H. CLEM, doing business as Clem Cream Works, Little Rock, Ark. Filed Mar. 9, 1923.



No claim made to the words "Powdered Ice Cream Preparation" or to the representation of a dish of ice cream apart from the mark shown in the drawing.
Particular description of goods.—Ice-Cream Preparation.
Claims use since July, 1921.

Ser. No. 177,695. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERTSON-CATARACT ELECTRIC COMPANY, Buffalo, N. Y. Filed Mar. 19, 1923.

Empire

Particular description of goods.—Vacuum Cleaners and Attachments—Namely, Nozzles and Means for Connecting the Same with a Vacuum Cleaner.
Claims use since Feb. 15, 1923.

Ser. No. 177,781. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLINGSWORTH CANDY CO., Augusta, Ga. Filed Mar. 21, 1923.

"HNHSHAL"

CANDIES

No claim is made to the word "Candies."
Particular description of goods.—Candy.
Claims use since Nov. 30, 1919.

Ser. No. 177,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIMBEL BROTHERS, NEW YORK, New York, N. Y. Filed Mar. 22, 1923.

GIMAY

Particular description of goods.—Face Powder, Compact Rouge, Lip Pomade, Perfumes, and Eyebrow Pencils.
Claims use since June, 1918.

Ser. No. 177,980. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 24, 1923.

Wendover

Particular description of goods.—Boys' Suits.
Claims use since Feb. 28, 1923.

Ser. No. 178,177. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. GORDON, doing business as Gordon Specialty Company, New York, N. Y. Filed Mar. 28, 1923.

GEM

Particular description of goods.—Liquid Finger-Nail Polish.
Claims use since Feb. 1, 1923.

Ser. No. 178,443. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Apr. 2, 1923.

Scout

Particular description of goods.—Men's and Boys' Leather and Fabric Shoes.
Claims use since Feb. 15, 1922.

Ser. No. 178,661. (CLASS 39. CLOTHING.) THE GIBFORD-WEIFFENBACH COMPANY, doing business as The Habanix Leather Products Company, Adrian, Mich. Filed Apr. 6, 1923.

Peter Bain

Trade-mark is a facsimile signature which applicant has the right to use.
Particular description of goods.—Belts for Personal Wear.
Claims use since about Dec. 1, 1920.

Ser. No. 179,014. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RILEY SWEERS, doing business as Riley Sweers Company, Toledo, Ohio. Filed Apr. 11, 1923.

BEECH-NUT

Particular description of goods.—Toothpicks.
Claims use since Apr. 4, 1923.

Ser. No. 179,035. (CLASS 39. CLOTHING.) THE FAIR, Chicago, Ill. Filed Apr. 12, 1923.

"PROTEX"

Particular description of goods.—Gum-Rubber Aprons, Rubberized Aprons, Rubber Household Aprons, Rubber Household Gloves, and Baby Pants.
Claims use since Dec. 1, 1922.

Ser. No. 179,036. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE FAIR, Chicago, Ill. Filed Apr. 12, 1923.

"PROTEX"

Particular description of goods.—Rubber Household Sheeting.
Claims use since Dec. 1, 1922.

Ser. No. 179,056. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE RIKER COMPANY, Newark, N. J. Filed Apr. 12, 1923.

LOXON

Particular description of goods.—Belt Buckles and Buckles and Clasps for Shoes and Slippers, Not Made of Precious Metal.
Claims use since about Mar. 14, 1923.

Ser. No. 179,324. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

ARMORBOND

Particular description of goods.—Paste Paints.
Claims use since Dec. 20, 1922.

Ser. No. 179,329. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

SENTINEL

Particular description of goods.—Ready-Mixed Paints and Paste Paints.
Claims use since Aug. 22, 1920.

Ser. No. 179,330. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923. Under ten-year proviso.

SIPE'S JAPAN SPIRITS

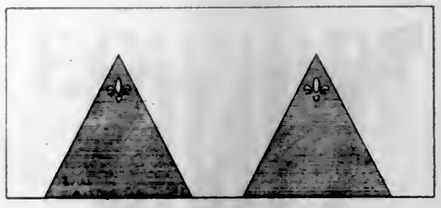
The lining of the word "Spirit" in drawing is intended to indicate red.
Particular description of goods.—Synthetic Turpentine.
Claims use since 1890.

Ser. No. 179,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y. Filed Apr. 19, 1923.

DAIRYLEA DAIRYLEA

Particular description of goods.—Condensed Milk and Evaporated Milk.
Claims use since Mar. 1, 1923.

Ser. No. 179,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Apr. 21, 1923.



The lining in the drawing indicates the color blue.
Particular description of goods.—Bacon, Potted Ham, Potted Tongue, Potted Chicken, Deviled Ham, Deviled Tongue, Boneless Chicken, Dried Beef, Bouillon Cubes, and Corned-Beef Hash. Canned Salmon and Salmon Paste, Canned Soups; Canned and Preserved Fruits, Vegetables, and Berries; Fruit Butters, Jams, and Marmalades; Mincemeat, Spaghetti, Plum Puddings, Olives, Pork and Beans, and Condensed and Evaporated Milk.
Claims use since 1897.

Ser. No. 179,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LADY ESTHER CO., Chicago, Ill. Filed Apr. 23, 1923.



Particular description of goods.—Face Powder.
Claims use since Apr. 1, 1923.

Ser. No. 179,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOTT H. PERRY, doing business as The Muffets Company, New York, N. Y. Filed Apr. 25, 1923.

MUFFETS

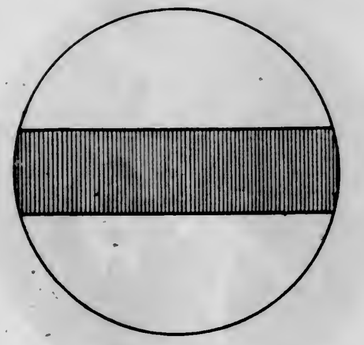
Particular description of goods.—Biscuits and Patty Shells Formed of Whole Wheat.
Claims use since Apr. 13, 1923.

Ser. No. 179,684. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEO SHAPIRO, doing business as American Chemical Works, Minneapolis, Minn. Filed Apr. 25, 1923.

FINIS

Particular description of goods.—Bedbug Exterminator, Roach-Killer Powder, and Ant Killer.
Claims use since Jan. 20, 1923.

Ser. No. 179,936. (CLASS 39. CLOTHING.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Apr. 30, 1923.



Trade-mark consists in a disk white in color crossed by a red-colored band.
Particular description of goods.—Shoes, Boots, and Slippers Made Principally of Rubber or Rubber and Fabric, Tennis Shoes and Sport Shoes Made Partly of Rubber and Partly of Fabric or Leather, or Both.
Claims use since about Mar. 13, 1923.

Ser. No. 180,024. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOSÉ MARCEL ORTEGA, Addlestone, Surrey, England. Filed May 1, 1923.

PETER PIN

Particular description of goods.—Crochet and Knitting Needles.
Claims use since Feb. 20, 1923.

Ser. No. 180,026. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOSÉ MARCEL ORTEGA, Addlestone, Surrey, England. Filed May 1, 1923.

WENDY

Particular description of goods.—Crochet and Knitting Needles.
Claims use since Aug. 1, 1922.

Ser. No. 180,245. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOC. AN. FSCO. CINZANO & CIA., Turin, Italy. Filed May 5, 1923. Under ten-year proviso.

CINZANO

Particular description of goods.—Nonalcoholic, Malt less Beverages Sold as Soft Drinks.
Claims use since December, 1890.

Ser. No. 180,343. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SELCHOW & RICHTER COMPANY, New York, N. Y. Filed May 8, 1923.



The circle forming part of the design is lined for the color red.
Particular description of goods.—Educational Games Comprising the Use of Questions and Answers.
Claims use since May, 1921.

Ser. No. 180,389. (CLASS 37. PAPER AND STATIONERY.) RONEO LIMITED, Holborn, London, England. Filed May 9, 1923.

RONEODEX

Particular description of goods.—Card-Index System.
Claims use since Jan. 2, 1923.

Ser. No. 180,466. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM BORTH, Baraboo, Wis. Filed May 11, 1923.

The Good Luck

Particular description of goods.—Pet-Cock-Operating Tool.
Claims use since Nov. 20, 1922.

Ser. No. 180,502. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILTON S. SCHUYLER, doing business as W. S. Schuyler Manufacturing Company, Cincinnati, Ohio. Filed May 11, 1923.

LEADER

Particular description of goods.—Accelerators for Combustion Engines.
Claims use since Oct. 1, 1922.

Ser. No. 180,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN LAEWEN, Mount Joy, Pa. Filed May 14, 1923.



The portrait and signature on drawing are those of applicant.
Particular description of goods.—Soldering Composition.
Claims use since Apr. 1, 1923.

Ser. No. 180,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA M. MALONEY, doing business as The Ra-Bo-Na Co., Cincinnati, Ohio. Filed May 14, 1923.

RABONA

Particular description of goods.—Remedy in Liquid Form for the Treatment of Affections or Disorders of the Kidneys, Liver, and Stomach and Also a Laxative Pill.
Claims use since 1906.

Ser. No. 180,682. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed May 16, 1923.

ECONOMY

Particular description of goods.—Finished Commutator Segments, Copper Bars and Strips, and Insulated Copper Wire Used for Electrical Purposes.
Claims use since Mar. 29, 1923.

Ser. No. 180,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed May 16, 1923. Under ten-year proviso.

Perfection

Particular description of goods.—Soda Crackers and Soda Biscuits.
Claims use since 1892.

Ser. No. 180,824. (CLASS 37. PAPER AND STATIONERY.) AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed May 19, 1923.

SUNBEAM

Particular description of goods.—Toilet Paper.
Claims use since Aug. 10, 1921.

Ser. No. 180,992. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VESUVIUS CRUCIBLE COMPANY, Swissvale, Pa. Filed May 22, 1923.

CENTURY

Particular description of goods.—Crucibles.
Claims use since May 11, 1923.

Ser. No. 181,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EARP-THOMAS CULTURES CORPORATION, New York and Long Island City, N. Y. Filed May 24, 1923.

SPRAY-TABS

No claim is made to the words "Bordeaux-Arsenate Tablets."
Particular description of goods.—Insecticides and Fungicides in Tablet Form.
Claims use since Nov. 3, 1921.

Ser. No. 181,498. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WM. G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Filed June 2, 1923.

HARVEST

Particular description of goods.—Clover, Grass, Field, and Forage Seed.
Claims use since May 4, 1923.

Ser. No. 181,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. R. HOLLINGSHEAD INC., Binghamton, N. Y. Filed June 8, 1923.



The word "Holly" is in red and above and below it projecting green leaves and berries in red.
Particular description of goods.—Ironing Wax and Washing Tablets for Softening Water and Removing Stains.
Claims use since Nov. 1, 1921.

Ser. No. 181,690. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE KEPEC COMPANY, Milwaukee, Wis. Filed June 8, 1923.



No claim is made for the words "It Protects. Protective Liquid Chemicals for Metal, Stone, Concrete, and Wood" apart from the mark as shown.
Particular description of goods.—Protective Liquid Chemical in the Nature of a Paint for Metal, Stone, Cement, and Wood.
Claims use since Jan. 25, 1923.

Ser. No. 181,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY C. STEIN, doing business as Chex Products Co., New York, N. Y. Filed June 9, 1923.

Chex

Particular description of goods.—Toilet Waters.
Claims use since about 1922.

Ser. No. 182,133. (CLASS 5. ADHESIVES.) CELLO PRODUCTS INCORPORATED, New York, N. Y. Filed June 18, 1923.

Cel-o-mend

Particular description of goods.—Waterproofing and Seal-Forming Materials Adapted to Form Protective Coatings or Hermetic Seals.
Claims use since Mar. 26, 1923.

Ser. No. 182,156. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) WILLIAM KOESTER, Davenport, Iowa. Filed June 18, 1923.

FOAM TOP

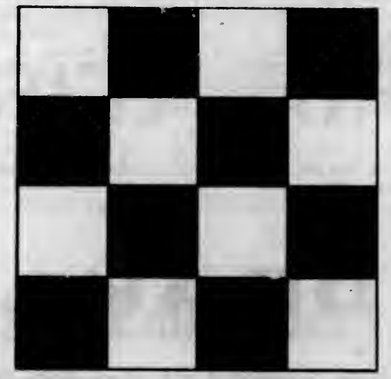
Particular description of goods.—Nonintoxicating Malt Beverages, Extracts, and Liquors.
Claims use since June 13, 1923.

Ser. No. 182,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed June 22, 1923.



The border of the label is of a light blue, the rose is of a dark red, the leaves and stem of the rose are green, the background for the leaves and stem of the rose and for the area immediately below the rose is dark blue fringed with black. From the said black fringe the colors blend through green and orange into a light yellow. A yellow panel provided with a white border extends transversely of the label and is adapted to receive the name of the commodity to which the label is affixed. An orange border defines the outer edge of the yellow area and extends between the yellow area and the blue border.
Particular description of goods.—Fresh, Pickled, Smoked, and Cured Meats—Namely, Sliced Beef, Cottage-Style Butts, Skinned Ham, Selected Bacon, Meat (i. e., Fresh Beef, Fresh Pork, Fresh Veal, Fresh Lamb, Fresh Mutton), Flat Boneless Cooked Ham. Ham, Dried Beef, Cooked Boneless Ham, Calas, Cooked Trimmed Ham, Cooked Boneless Shoulder, Bacon Belly, Shoulder, Lard, Bakers' Pure Lard, Open-Kettle-Rendered Lard, Bacon, Sausage, Cooked Ham, Picnic, Sliced Beef, Pork Tenderloin, Pig Feet, Meat Loaf, and Tongue.
Claims use since about Dec. 1, 1907.

Ser. No. 182,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. C. STEIN, doing business as The Foot Products Co., New York, N. Y. Filed July 3, 1923.



Particular description of goods.—Foot Toilet Waters.
Claims use since about December, 1922.

Ser. No. 182,914. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

ACME

Particular description of goods.—Ax, Adz, Pick, Sledge, Maul, Hammer, and Hatchet and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,924. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed July 7, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since March, 1909.

Ser. No. 182,951. (CLASS 12. CONSTRUCTION MATERIALS.) G. F. WRIGHT STEEL & WIRE COMPANY, Worcester, Mass. Filed July 7, 1923.

SUPERIOR

Exclusive rights to the words "Superior" and "Brand" apart from the mark as shown in the drawing are hereby disclaimed.
Particular description of goods.—Hardware Cloth and Poultry Netting.
Claims use since Mar. 1, 1922.

Ser. No. 184,103. (CLASS 4. ABRASIVE DETERGENT, AND POLISHING MATERIALS.) ROME SOAP MFG. CO., Rome, N. Y. Filed Aug. 4, 1923.

3. B. DYNAMITE

Particular description of goods.—Soap.
Claims use since July 1, 1903.

Ser. No. 184,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYRURGIA, S. A., Barcelona, Spain. Filed Aug. 4, 1923.

MAJA

Particular description of goods.—Massage Cream, Toilet Cream, Cold Cream, Antiseptic Cream, Almond Cream, Perfumery Essences, Scents, Essential Oils, Perfumery Extracts, Sachet Powder, Face Powder, Toilet Powder, Antiseptic Powder, Toilet Waters, Tooth Paste and Powder, Powder for Cleaning the Nails and Nail Enamel, Chemical for Imparting Odor or Color to Perfumes, Toilet Rouge, Foot Powder, Mouth Wash, Eyebrow Pencils, Hand Lotion.
Claims use since May 31, 1920.

Ser. No. 184,432. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN KREUGER & TOLL CORPORATION, New York, N. Y. Filed Aug. 14, 1923.



Particular description of goods.—Electric-Arc Lamps.
Claims use since June 14, 1921.

Ser. No. 184,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROANOKE APPLE PRODUCTS CO., Roanoke, Va. Filed Aug. 15, 1923.



No claim is made to the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Vinegar.
Claims use since Apr. 24, 1923.

Ser. No. 184,535. (CLASS 39. CLOTHING.) WEIL & JACOBS, INC., New York, N. Y. Filed Aug. 15, 1923.



Particular description of goods.—Ladies', Men's, and Children's Hosiery and Underwear, Knitted and Textile and Fabric Gloves.
Claims use since July 25, 1923.

Ser. No. 184,765. (CLASS 15. OILS AND GREASES.) RYT-OYL LUBRICANTS COMPANY, San Francisco, Calif. Filed Aug. 20, 1923.

RYT-OYL

Particular description of goods.—Lubricating Oils, Greases, and Compounds, Cutting Oils and Compounds, Soluble Oils and Compounds; the Latter Two Oils and Compounds Consisting of Oils, Fats, Greases, and Wax Used Singly or in Combination for the Lubrication of Tools, Dies, and Articles of Similar Manufacture; Quenching and Tempering Oils, Which Consist of Mineral and Animal Oils Used Separately or in Combination in the Heat Treating of Metals.
Claims use since July 20, 1923.

Ser. No. 184,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EARL FRUIT COMPANY OF THE NORTHWEST, Spokane, Wash. Filed Aug. 25, 1923.

DRAKE

Particular description of goods.—Fresh Fruits—Namely, Apples.
Claims use since June 27, 1923.

Ser. No. 185,018. (CLASS 39. CLOTHING.) GREENBAUM, WEIL & MICHELS, San Francisco, Calif. Filed Aug. 27, 1923.

University

The horizontal lining of the drawing indicates the color blue, the vertical lining the color red.
Particular description of goods.—Belts for Personal Wear, Suspenders, Hosiery, and Arm Bands.
Claims use since February, 1916.

Ser. No. 185,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERMAN MIHMS, Pittsburgh, Pa. Filed Sept. 7, 1923.



KEYSTONE

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since May 1, 1920.

Ser. No. 185,485. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 7, 1923.

Pongene

Particular description of goods.—Cotton Piece Goods.
Claims use since July 19, 1923.

Ser. No. 185,626. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Sept. 10, 1923.

RED TOP

Particular description of goods.—Lawn Mowers.
Claims use since Sept. 5, 1923.

Ser. No. 185,659. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES J. KANN, New York, N. Y. Filed Sept. 11, 1923.

Sun Embroidery

Particular description of goods.—Stencils for Producing Decorative Designs Upon the Human Body.
Claims use since Aug. 29, 1923.

Ser. No. 185,720. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM W. PRICE, Washington, D. C. Filed Sept. 12, 1923.

HEARD and SEEN

The lining on the drawing is for the purpose of shading.
Particular description of goods.—Title for Articles for Newspapers Published Daily and Sunday.
Claims use since 1919.

Ser. No. 185,721. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM W. PRICE, Washington, D. C. Filed Sept. 12, 1923.

HEARD and SEEN

The lining on the drawing is for the purpose of shading.
Particular description of goods.—Title for Articles for Newspapers Published Daily and Sunday.
Claims use since December, 1919.

Ser. No. 185,777. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Sept. 14, 1923.

ECONOMY

Particular description of goods.—Carrier Irons, Centering Devices, and Striking Castings Used in Connection with Draft Mechanism for Railway Cars.
Claims use since Mar. 27, 1917.

Ser. No. 185,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. LABOSCHIN-HAGEDA AKTIENGESELLSCHAFT FABRIK CHEMISCH-PHARMACEUTISCHER PRÄPARATE, Berlin, Germany. Filed Sept. 19, 1923.

Rejuven

Trade-mark consists of the word "Rejuven."
Particular description of goods.—Organic Food Preparation Made from Animal Glands and Covered with Chocolate.
Claims use since June 7, 1921.

Ser. No. 185,945. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH VINIKOW, doing business as Parisian Chocolate Company, Seattle, Wash. Filed Sept. 19, 1923.

UNION LEADER

Particular description of goods.—Candy Bars Wrapped in Tin Foil.
Claims use since Jan. 11, 1911.

Ser. No. 186,173. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EARL B. WILSON doing business as Sun Chemical Company, Chicago, Ill. Filed Sept. 24, 1923.

PRO-TEX

Particular description of goods.—Catamenial Bandages.
Claims use since Apr. 1, 1920.

Ser. No. 186,201. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) C. TRAUTMAN & COMPANY, Cincinnati, Ohio. Filed Sept. 27, 1923.

CLIMAX

Particular description of goods.—Leather.
Claims use since Nov. 17, 1899.

Ser. No. 186,324. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARINELLO COMPANY, La Crosse, Wis. Filed Sept. 28, 1923.

Blue Ameryl

Particular description of goods.—Face Powder, Talcum Powder, and Toilet Water.
Claims use since July 23, 1923.

Ser. No. 186,382. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KLAUBER BROS. & CO., New York, N. Y. Filed Sept. 29, 1923.

GLOSSTEX

Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 20, 1923.

Ser. No. 186,528. (CLASS 39. CLOTHING.) PETER V. SHERWOOD, New York, N. Y. Filed Oct. 3, 1923.

FAIRY

Particular description of goods.—Men's, Women's, and Children's Knitted Underwear.
Claims use since November, 1910.

Ser. No. 186,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE M. HENDEE, Suffield, Conn. Filed Oct. 12, 1923.

HILLTOP FARM

Particular description of goods.—Registered Guernsey Cattle and Their Dairy Products—Namely, Fresh Milk, Cream, and Butter, Cheese, Ice Cream; Farm Products—Namely, Fresh Deciduous Fruits, Comprising Apples, Pears, and Peaches, Fresh Vegetables; Live Poultry, Comprising White Leghorns and Their Products—Namely, Eggs and Day-Old Chickens.
Claims use since on or about July 1, 1916.

Ser. No. 186,906. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN C. HOOF & COMPANY, Chicago, Ill. Filed Oct. 12, 1923.

INTRA

Particular description of goods.—Valve Tappets.
Claims use since September, 1923.

Ser. No. 186,926. (CLASS 15. OILS AND GREASES.) GEO. W. QUINN, doing business as Troyolene Oil Company, San Francisco, Calif. Filed Oct. 12, 1923.



TROYOLENE

Particular description of goods.—Gasoline and Motor Oils.
Claims use since July 2, 1923.

Ser. No. 187,287. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Oct. 22, 1923.

BLAKE, MOFFITT & TOWNE PAPER

The use of the word "Bond" apart from the mark shown is disclaimed.
Particular description of goods.—Printing Paper, Corrugated Paper, Bond Paper, Book Paper, Writing Paper, Mimeograph Paper, Ledger Paper, Blotting Paper, Cover Paper, Envelopes, Cardboard, Gummed Paper, Wax Paper, Tissue Paper, Adding-Machine Paper Either in Sheets or Rolls, Paper Napkins, Paper Towels, Toilet Paper Crêpe Paper, Paper Sealing Tape.
Claims use since about Feb. 15, 1901.

Ser. No. 187,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RANDOLPH & MILLER, Clearwater Fla. Filed Oct. 29, 1923.

THE PICK OF CITRUS FRUITS

The words "Of Citrus Fruits" are not applicant's trade-mark apart from the mark shown in the drawing.
Particular description of goods.—Fresh and Canned Fruits.
Claims use since Oct. 4, 1923.

Ser. No. 187,785. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE WEIDLICH BROS. MFG CO., Bridgeport, Conn. Filed Oct. 31, 1923.

W.B. MFG.CO.

Particular description of goods.—Gold and Silver Plated Tableware, Hollow Ware, and Metal-Plated Articles, as Follows: Candlesticks, Jewel Cabinets, Photo Frames, Incense Burners, Inkstands, Electric Perfumers; Electric Lamps, Heaters, and Toasters; Clocks, and Statuary, All Made of or Plated with Precious Metal.
Claims use since 1906.

Ser. No. 188,191. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FAIRFAX TEXTILE MILLS, INC., New York, N. Y. Filed Nov. 10, 1923.

Fairfax

Particular description of goods.—Imported Genuine English Broadcloth, a Woven Fabric.
Claims use since July, 1922.

Ser. No. 188,287. (CLASS 38. PRINTS AND PUBLICATIONS.) VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass. Filed Nov. 13, 1923.

VICTOR

Particular description of goods.—Weekly Commodity Market Publication.
Claims use since Sept. 4, 1923.

Ser. No. 188,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Nov. 15, 1923.

NATURAL SULTANINAS

Particular description of goods.—Dried Raisins.
Claims use since Sept. 15, 1922.

Ser. No. 188,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD W. HELLWIG, doing business as Mayonnaise Products Co., New York, N. Y. Filed Nov. 19, 1923.

MAZOLA
MAYONNAISE

The lining on the drawing is for shading only. No claim is made to the use of the word "Mayonnaise" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto, as shown.
Particular description of goods.—Mayonnaise.
Claims use since about Aug. 1, 1923.

Ser. No. 188,775. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) EARL V. SANDERS, Pawnee, Ill. Filed Nov. 23, 1923.

S.S.S.S.
TRADE MARK

The words "Trade-Mark" appearing on the drawing are not claimed as a part of the actual trade-mark.
Particular description of goods.—Ironing Board.
Claims use since June 1, 1923.

Ser. No. 188,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed Nov. 26, 1923.

PALATIA

Particular description of goods.—Fabric in the Piece, Such Fabric Being Composed Entirely of Camel's Hair.
Claims use since Oct. 2, 1923.

Ser. No. 188,939. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed Nov. 26, 1923.

Preferentia

Particular description of goods.—Fabric in the Piece, Such Fabric Being Composed Entirely of Wool or Other Animal Fibers.
Claims use since Oct. 2, 1923.

Ser. No. 189,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Nov. 28, 1923.

Golden Gate



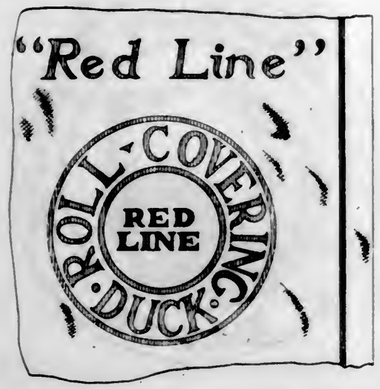
Particular description of goods.—Canned Fruits and Vegetables and Dried Fruits.
Claims use since June 1, 1876.

Ser. No. 189,239. (CLASS 11. INKS AND INKING MATERIALS.) THE CHAMPION CONSERVER COMPANY, Cincinnati, Ohio. Filed Dec. 5, 1923.

CHAMPION

Particular description of goods.—Carbon Paper.
Claims use since Nov. 21, 1923.

Ser. No. 189,270. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PITTSBURG WATERPROOF COMPANY, Pittsburgh, Pa. Filed Dec. 5, 1923.



The goods and the words "Roll Covering Duck" shown on the drawing are disclaimed apart from the mark shown. The shading on drawing indicates red color.
Particular description of goods.—Cotton Duck Used for Aprons for Laundry Machines or for Covering the Rolls of Laundry Machines or Mangles, for Covering Pressing Surfaces of Laundry Presses, for Covering Ironing Boards and Collar-Ironing Surfaces, and for Other Laundry Purposes.
Claims use since October, 1923.

Ser. No. 189,362. (CLASS 39. CLOTHING.) EAGLE KNITTING MILLS, Milwaukee, Wis. Filed Dec. 7, 1923.

EAGLE

Particular description of goods.—Spats.
Claims use since Oct. 21, 1923.

Ser. No. 189,714. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL RADIO WINDING COMPANY, New York, N. Y. Filed Dec. 15, 1923.

GEN-WIN

Particular description of goods.—Radio Transmitting and Receiving Apparatus—Namely, Antenna Wire, Inductance Coils, Coil Windings, Transformer Coils, Lightning Arresters, Vacuum-Tube Receptacles, Crystal Detectors, Resistances, Condensers, Rheostats, Potentiometers, Variometers, Variocouplers, Dry Batteries, Storage Batteries, Wave Traps, Switches, Telephone Receivers, Telephone Jacks, Telephone Cords, Telephone Plugs, Radiofrequency Transformers, Variable Condensers, Loud Speakers, Terminals, Binding Posts, Electrical Wire Insulation, Insulated Wire, Bare Wire, Radio Receiving Sets.
Claims use since Nov. 23, 1923.

Ser. No. 189,822. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPRAY ENGINEERING COMPANY, Boston, Mass. Filed Dec. 17, 1923.

SPRACOAT

Particular description of goods.—Pneumatic Painting and Industrial Surface Finishing Equipment.
Claims use since on or about Dec. 1, 1923.

Ser. No. 189,875. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILMOT CASTLE COMPANY, Rochester, N. Y. Filed Dec. 18, 1923.

CASTLE

Particular description of goods.—Sterilizers for Dentists, Physicians, Hospitals, Veterinary Surgeons, and Barbers and Bacteriological Incubators.
Claims use since October, 1916.

Ser. No. 189,911. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW WILLIAMS MILL COMPANY, INC., North Wilkesboro, N. C. Filed Dec. 19, 1923.



All of the wording except applicant's name and "New W." is disclaimed.
Particular description of goods.—Corn Mills and Wood Saws.
Claims use since March, 1923.

Ser. No. 189,918. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY S. SAMPLINER, doing business as The S & S Novelty Company, Cleveland, Ohio. Filed Dec. 19, 1923.

ECONOMAT

Particular description of goods.—Table Mats Made of Cotton Twine.
Claims use since Nov. 30, 1923.

Ser. No. 189,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE COAST PACKING CO., Cut Off, La. Filed Dec. 19, 1923.

WHITE COAST

Particular description of goods.—Canned Shrimp.
Claims use since Dec. 15, 1923.

Ser. No. 189,972. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GAS UTILITIES CORPORATION, Philadelphia, Pa. Filed Dec. 21, 1923.



The drawing is lined to indicate the colors red and gold or yellow. The descriptive phrase "Automatic Gas-Fired Boilers" is disclaimed as any part of the trademark for which registration is sought. Applicant disclaims exclusive use of the words "Trade-Mark" which appear on the drawing.
Particular description of goods.—Automatic Gas-Fired Boilers.
Claims use since December, 1920.

Ser. No. 189,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN-QUALLEY COMPANY, St. Paul, Minn. Filed Dec. 22, 1923.

FUNG-CHOW

Particular description of goods.—Candy.
Claims use since July 3, 1923.

Ser. No. 190,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEBIUS & DRESCHER CO., Sacramento, Calif. Filed Dec. 27, 1923.

FAIRY

Particular description of goods.—Canned Fish, Canned Oysters, and Dried Fish, Canned Fruits, Canned Berries, and Canned Vegetables, Vinegar, Salad Oil, Coffee, and Rice.
Claims use since 1905.

Ser. No. 190,289. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. P. FULLER & Co., San Francisco, Calif. Filed Dec. 31, 1923. Under ten-year proviso.

W.P.FULLER & CO.

Particular description of goods.—Varnishes and Dry, Paste, and Ready-Mixed Paints.
Claims use since Jan. 8, 1849.

Ser. No. 190,290. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. P. FULLER & Co., San Francisco, Calif. Filed Dec. 31, 1923. Under ten-year proviso.

FULLER

Particular description of goods.—Varnishes and Dry, Paste, and Ready-Mixed Paints.
Claims use since 1849.

Ser. No. 190,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAFZIGER BAKING COMPANY, Kansas City, Mo. Filed Dec. 31, 1923.

Nafziger

Butter-Cream

Particular description of goods.—Bread.
Claims use since about June, 1918.

Ser. No. 190,401. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE BRITISH NEEDLE COMPANY LIMITED, Redditch, England. Filed Jan. 4, 1924.

EMBASSY

Particular description of goods.—Hand Sewing Needles, Crochet Hooks, Knitting Pins, and Hatpins.
Claims use since June 12, 1923.

Ser. No. 190,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY L. SCHRADER, doing business as Roy L. Schrader Mfg. Co., St. Louis, Mo. Filed Jan. 5, 1924.

DAN-GON

Particular description of goods.—Dandruff Remedy.
Claims use since Sept. 1, 1923.

Ser. No. 190,514. (CLASS 23. CUTLERY; MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORTON COMPANY, Worcester, Mass. Filed Jan. 7, 1924.

NORTON

Particular description of goods.—Grinding Machines and Attachments Thereto.
Claims use since July, 1920.

Ser. No. 190,517. (CLASS 39. CLOTHING.) PHILADELPHIA KNITTING MILLS COMPANY, Philadelphia, Pa. Filed Jan. 7, 1924. Under ten-year proviso.

PHILADELPHIA GOLD SEAL SILK HOSIERY — QUALITY FIRST SINCE 1889

Particular description of goods.—Hosiery.
Claims use since Apr. 11, 1890.

Ser. No. 190,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GOVERNMENT SQUARE GARAGE COMPANY, doing business as The Auto-Crafts Manufacturing Company, Cincinnati, Ohio. Filed Jan. 8, 1924.

CAC

Particular description of goods.—Radio Compound or Cement.
Claims use since Dec. 10, 1923.

Ser. No. 190,615. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 9, 1924.

Abdolift

Particular description of goods.—Corsets.
Claims use since May 15, 1923.

Ser. No. 190,760. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIÈRE CO., New York, N. Y. Filed Jan. 14, 1924.

BOYSHFORM GIRDELASTIC

Particular description of goods.—Brassières.
Claims use since Oct. 1, 1922.

Ser. No. 190,761. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIÈRE CO., New York, N. Y. Filed Jan. 14, 1924.

BOYSHFORM CORSALASTIC

Particular description of goods.—Brassières.
Claims use since Oct. 1, 1922.

Ser. No. 190,789. (CLASS 38. PRINTS AND PUBLICATIONS.) THE JOURNAL COMPANY, Milwaukee, Wis. Filed Jan. 14, 1924.

SUNRISE EDITION

Particular description of goods.—Morning Edition of a Newspaper.
Claims use since Nov. 10, 1923.

Ser. No. 190,791. (CLASS 15. OILS AND GREASES.) J. L. KEMP COMPANY, Milwaukee, Wis. Filed Jan. 14, 1924.

U NEED ME

Particular description of goods.—Lubricating Oil.
Claims use since Dec. 15, 1922.

Ser. No. 190,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT CO., Seattle, Wash. Filed Jan. 14, 1924.

SNOWCAPS

Particular description of goods.—Cake.
Claims use since May 10, 1922.

Ser. No. 190,890. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 16, 1924.

SOFT — "the Concert Modulator" — LOUD
MANHATTAN ELECTRICAL SUPPLY CO.,INC.
LOUD SPEAKER Nº2555

No exclusive rights are claimed in the words "Soft—'The Concert Modulator'—Loud—Manhattan Electrical Supply Co., Inc.—Loud Speaker No. 2555" apart from the mark shown; but applicant waives none of its common-law rights in said mark or any element thereof.
Particular description of goods.—Telephone Loud Speakers.
Claims use since Aug. 28, 1923.

Ser. No. 191,042. (CLASS 37. PAPER AND STATIONERY.) HOWARD C. SPENCER, doing business as The Memucator Co., Cambridge, Mass. Filed Jan. 19, 1924.

MEMUCATOR

Particular description of goods.—Apertured Envelopes and Slips of Paper Bearing or Adapted to Bear Legible Matter, and Which Slips May be Slid in the Envelopes so that Legible Matter on the Slips May be Examined Through the Apertures, Each Such Envelope and its Slip or Slips When Inserted in the Envelope Constituting an Educational Device to Assist and Accelerate Memorization.
Claims use since July 23, 1923.

Ser. No. 191,075. (CLASS 39. CLOTHING.) A. KOMMEL & SONS, New York, N. Y. Filed Jan. 21, 1924.

Snugfit

Particular description of goods.—Gloves Made of Leather, Rubber, or Fabric; Hosiery and Underwear of Knitted and Textile Fabrics for Men, Women, and Children; Corsets, Brassières, Slippers, and Shoes Made of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since 1919.

Ser. No. 191,154. (CLASS 39. CLOTHING.) CHARLES WIMPFHEIMER, INC., Norwalk, Conn. Filed Jan. 22, 1924.

Ruff and Ready

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Oct 1, 1923.

Ser. No. 191,223. (CLASS 38. PRINTS AND PUBLICATIONS.) CHECKER CAB MANUFACTURING CORPORATION, Kalamazoo, Mich. Filed Jan. 24, 1924.

MOTORCAB NEWS

Particular description of goods.—Periodical Published Monthly.
Claims use since Jan. 2, 1924.

Ser. No. 191,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn. Filed Jan. 24, 1924.

ZIG ZAG

Particular description of goods.—Inductance Coils.
Claims use since about Jan. 14, 1924.

Ser. No. 191,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PEP CHEMICAL CO., Burbank, Calif. Filed Jan. 25, 1924.

BATHPEP

Particular description of goods.—Sulphur Liquid Compound.
Claims use since Jan. 1, 1923.

Ser. No. 191,301. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CO-OPERATIVE CANNERIES, San Francisco, Calif. Filed Jan. 26, 1924.

CALIFORNIA'S GOLDEN

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Dec. 18, 1923.

Ser. No. 191,441. (CLASS 38. PRINTS AND PUBLICATIONS.) HOWARD MARKEL, New York, N. Y. Filed Jan. 29, 1924.

MUSIC IN NEW YORK

Particular description of goods.—Heading for Newspaper Articles.
Claims use since Mar. 24, 1923.

Ser. No. 191,487. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PAUL C. HOLT, doing business as Restora Polish Company, Boise, Idaho. Filed Jan. 30, 1924.

RESTORA

Trade-mark "Restora."
Particular description of goods.—Liquid Polish and Oil for Automobiles, Furniture, and Pianos.
Claims use since Jan. 1, 1923.

Ser. No. 191,495. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RALPH BARTLETT MEREDITH, Lindsay, Calif. Filed Jan. 30, 1924.

POMEGRANADE

Particular description of goods.—Pure Pomegranate Sirup.
Claims use since Jan. 2, 1924.

Ser. No. 191,528. (CLASS 39. CLOTHING.) CENTRAL SHOE COMPANY, St. Louis, Mo. Filed Jan. 31, 1924.

ROBIN HOOD

Particular description of goods.—Shoes Made of Leather, Cloth, Canvas, or Combinations Thereof.
Claims use since May 22, 1923.

Ser. No. 191,530. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, Pa. Filed Jan. 31, 1924.

METAL BAND HOSE

The word "Hose" forms no part of the mark.
Particular description of goods.—Hosiery.
Claims use since Jan. 7, 1924.

Ser. No. 191,565. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Jan. 31, 1924.

BULLDOG JUNIOR

Particular description of goods.—Ears, Clamps, and Hangers for Suspending and Supporting Trolley Wires, Conductors, Cables, and Other Wires.
Claims use since Sept. 19, 1923.

Ser. No. 191,850. (CLASS 39. CLOTHING.) THE THOMPSON-BARLOW CO., INC., New York, N. Y. Filed Feb. 5, 1924.

Madame X

Particular description of goods.—Rubber Girdles.
Claims use since Jan. 1, 1923.

Ser. No. 192,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANHEUSER-BUSCH, INC., St. Louis Mo. Filed Feb. 9, 1924.

ANHEUSER-BUSCH BRAND

No claim is made for the word "Brand" appearing on the drawing.
Particular description of goods.—Corn Sirup.
Claims use since Sept. 21, 1923.

Ser. No. 192,080. (CLASS 39. CLOTHING.) WM MARNITZ CO., Milwaukee, Wis. Filed Feb. 9, 1924.



Particular description of goods.—Men's Made-to-Order Suits of Clothing.
Claims use since July 1, 1923.

Ser. No. 192,249. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FERRO-ART LIGHTING FIXTURE CO. INC., New York, N. Y. Filed Feb. 14, 1924.

Ferro-Art

The lines on the drawing indicate shading.
Particular description of goods.—Electric-Lighting Appliances, Fixtures, Lamps, and Parts Thereof—Namely, Chandeliers, Wall Brackets, Lanterns, Ceiling Fixtures, Floor Lamps, Table Lamps, Candlesticks, and Lamp Posts.
Claims use since Jan. 15, 1923.

Ser. No. 192,467. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE OHIO STATE STOVE & MFG. CO., Columbus, Ohio. Filed Feb. 9, 1924.

CHILL-CHASER

Particular description of goods.—Gas Heaters.
Claims use since November, 1922.

Ser. No. 192,490. (CLASS 39. CLOTHING.) D. NUSBAUM & Co., Union Course, N. Y. Filed Feb. 18, 1924.

TRUKNIT

Particular description of goods.—Sweaters, Bathing Suits, Knitted Caps, Knitted Mittens, and Knitted Children's Suits.
Claims use since Sept. 6, 1922.

Ser. No. 192,532. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GILMAN-BRUETTE CO., Portland, Oreg. Filed Feb. 19, 1924.

HAIR
HiddenWealth
TONIC

No claim made to the words "Hair Tonic" apart from the mark shown.
Particular description of goods.—Hair Tonic.
Claims use since Dec. 5, 1923.

Ser. No. 192,557. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARTER RADIO COMPANY, Chicago, Ill. Filed Feb. 20, 1924.

Carter Radio Co.

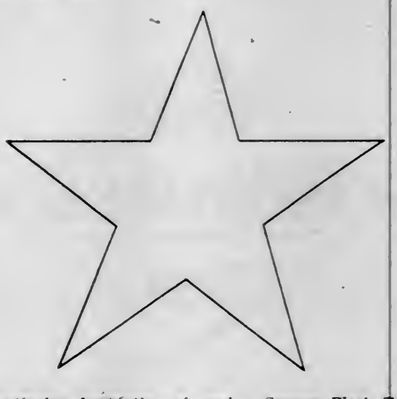
Particular description of goods.—Radio Equipment—Namely, Plugs, Jacks, Cord Tips, Cord-Tip Jacks, Rheostats, Tumbler Switches, Inductance Switches, Fixed Condensers, and Resistance Units.
Claims use since Apr. 15, 1922.

Ser. No. 192,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOY BEAN, FLOUR & OBOROEBI MFG. CO., Petaluma, Calif. Filed Feb. 20, 1924.



The right to the use of the Japanese characters appearing on the mark are hereby disclaimed apart from the other features of the mark. The Japanese characters appearing on the drawing represent the word "Oboroebi," which when translated means "Shredded Lobster."
Particular description of goods.—Food Products—Namely, Shredded Lobster.
Claims use since October, 1921.

Ser. No. 192,587. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STAR CEMENT TRAY CO., San Francisco, Calif. Filed Feb. 20, 1924.



Particular description of goods.—Cement Wash Trays, Tubs, Conduits, and the Like.
Claims use since July 5, 1902.

Ser. No. 193,070. (CLASS 46. FOODS AND INGREDIENTS OF GOODS.) THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Feb. 29, 1924. Under ten-year proviso.

Rath's

Particular description of goods.—Hams and Bacon.
Claims use since on or about July 1, 1894.

Ser. No. 193,115. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEW YORK BLUE PRINT PAPER CO., New York, N. Y. Filed Mar. 1, 1924.

Simplex

Particular description of goods.—Surveying Instruments.
Claims use since Nov. 1, 1923.

Ser. No. 193,142. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn. Filed Mar. 1, 1924.

HY-HEAT

Particular description of goods.—Lead-Melting Pots, Hand Ladles, and Molds for Use in Brass Mills.
Claims use since Oct. 23, 1923.

Ser. No. 193,164. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GARFIELD IMPORTING CO., Chicago, Ill. Filed Mar. 3, 1924.

Luxite

Particular description of goods.—Imitation Diamonds.
Claims use since Nov. 1, 1922.

Ser. No. 193,169. (CLASS 39. CLOTHING.) HALBITER'S INC., Los Angeles, Calif. Filed Mar. 3, 1924.



Particular description of goods.—Coats, Vests, Trousers, Overcoats; Shirts, Dress and Negligee; Sweaters, Pyjamas; Undershirts, Knitted and Textile; Drawers, Knitted and Textile; Hats, and Caps, All for Men and Boys.
Claims use since July 1, 1923.

Ser. No. 193,227. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANCIS L. FREAS GLASS WORKS, Conshohocken, Pa. Filed Mar. 4, 1924.

Clearview

Particular description of goods.—Hydrometers.
Claims use since Oct. 15, 1923.

Ser. No. 193,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 4, 1924.



The lining appearing on the drawing is used for shading purposes only. For the purposes of this registration the term "Gold Medal" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Stock and Poultry Feed.
Claims use since Jan. 31, 1923.

Ser. No. 193,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY BAKING CO., St. Paul, Minn. Filed Mar. 5, 1924.

Purity

Without waiving any common-law rights applicant makes no claim to the word "Purity" apart from the mark as shown. The shade lines in the drawing indicate the background color.
Particular description of goods.—Bread, Cookies, Cake, Doughnuts, and Toast.
Claims use since Jan. 1, 1911.

Ser. No. 193,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REPETTI, INC., Long Island City, N. Y. Filed Mar. 6, 1924.

BANYAN STICK

No claim is made for the exclusive use of the word "Stick" apart from the mark shown.
Particular description of goods.—Candy.
Claims use since Dec. 28, 1923.

Ser. No. 193,460. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE HAR-MEL MUSIC PUBLISHING COMPANY, Baltimore, Md. Filed Mar. 8, 1924.

HAR-MEL

Particular description of goods.—Perforated Music Rolls for the Operation of Player Pianos and the Like.
Claims use since Mar. 6, 1923.

Ser. No. 193,461. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) H. B. HUNTER COMPANY, INC., Norfolk, Va. Filed Mar. 8, 1924.

C-HOC-O

Particular description of goods.—Nonalcoholic, Maltless Carbonated Beverages Sold as Soft Drinks.
Claims use since on or about Nov. 1, 1923.

Ser. No. 193,545. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SHERATONE PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 10, 1924.

SHERAMETL

Particular description of goods.—Finishing and Polishing Materials in the Nature of Varnish.
Claims use since Nov. 10, 1923.

Ser. No. 193,546. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SHERATONE PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 10, 1924.

SHERAFLOR

Particular description of goods.—Finishing and Polishing Materials in the Nature of Varnish.
Claims use since Nov. 10, 1923.

Ser. No. 193,611. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYREH-LYPTOL CO., Birmingham, Ala. Filed Mar. 11, 1924.



The portrait on drawing is fanciful.
Particular description of goods.—Antiseptic Deodorant and Prophylactic Mouth Wash.
Claims use since about Jan. 1, 1921.

Ser. No. 193,613. (CLASS 39. CLOTHING.) NATURE'S RIVAL CO., Chicago, Ill. Filed Mar. 11, 1924.

CIRCLE-SASH

Particular description of goods.—Girdles for Women's Wear.
Claims use since Oct. 20, 1923.

Ser. No. 193,668. (CLASS 39. CLOTHING.) KAUFMANN BROTHERS, New York, N. Y. Filed Mar. 12, 1924.

"HALO"

Particular description of goods.—Bandeau for the Head.
Claims use since May 5, 1923.

Ser. No. 193,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Dr. L. PLANTIER, Annonay, France. Filed Mar. 13, 1924.

BUCCOPANBILINE

Particular description of goods.—Glandular Extracts for the Treatment of Liver Disease.
Claims use since Jan. 5, 1924.

Ser. No. 193,741. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WAVE RADIO CORPORATION, New York, N. Y. Filed Mar. 13, 1924.

Ware

Trade-mark is written in the handwriting of the president, Paul Ware, shown in the accompanying drawing.
Particular description of goods.—Radio Transmitting and Receiving Sets, Coils, and Repair Parts Therefor.
Claims use since May 4, 1922.

Ser. No. 193,748. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ADJUSTABLE RACK COMPANY, Milwaukee, Wis. Filed Mar. 14, 1924.

"Adjusto"

Particular description of goods.—Adjustable Racks for Holding Books, Newspapers, Pamphlets, Time-Tables, and Other Publications.
Claims use since Nov. 1, 1923.

Ser. No. 193,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924.

FORBES FINEST

FF

Particular description of goods.—Tea.
Claims use since about 1876.

193,837. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PATRICK J. KELLY, Philadelphia, Pa. Filed Mar. 15, 1924.

THE LITTLE KELCOIL

Particular description of goods.—Tuning Inductances for Radiocircuits.
Claims use since Nov. 11, 1923.

Ser. No. 193,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOD'S CANDY COMPANY, Seattle, Wash. Filed Mar. 17, 1924.

NORTH POLE

Particular description of goods.—Candy Bars.
Claims use since Jan. 1, 1923.

Ser. No. 193,924. (CLASS 11. INKS AND INKING MATERIALS.) IMPRESSION PRODUCTS COMPANY, Wilmington, Del., and Coraopolis, Pa. Filed Mar. 17, 1924.

HOLE PROOF

Particular description of goods.—Typewriter Ribbons.
Claims use since Oct. 19, 1921.

Ser. No. 193,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LUVERNE EXTRACT COMPANY, Los Angeles, Calif. Filed Mar. 17, 1924.

LUVERNE

Particular description of goods.—Food-Flavoring Extracts.
Claims use since July 1, 1923.

Ser. No. 193,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WISCONSIN COFFEE COMPANY, Stevens Point, Wis. Filed Mar. 17, 1924.

Hotel Club

Particular description of goods.—Coffee.
Claims use since February, 1923.

Ser. No. 194,013. (CLASS 39. CLOTHING.) ROBERT L. MARGOLYES, New York, N. Y. Filed Mar. 18, 1924.

MORUME

Particular description of goods.—Underwear of Knitted or Textile Fabric for Men, Women, and Children.
Claims use since February, 1923.

Ser. No. 194,049. (CLASS 17. TOBACCO PRODUCTS.) CARRERAS LIMITED, London, England. Filed Mar. 19, 1924.



Particular description of goods.—Smoking, Chewing, and Snuffing Tobacco, Cigars, and Cigarettes.
Claims use since June 6, 1923.

Ser. No. 194,115. (CLASS 39. CLOTHING.) EUGENE EMANUEL MAGNES, doing business as Dolly Varden Hat Co., San Francisco, Calif. Filed Mar. 20, 1924.



The lining on the drawing is for the purpose of shading only. No claim is made for the words "Hats" apart from the mark as shown.

Particular description of goods.—Hats for Women.
Claims use since Jan. 1, 1923.

Ser. No. 194,211. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYDYNE CORPORATION, New York, N. Y. Filed Mar. 21, 1924.

POLY

Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jack Switches, Lightning Arresters, Plugs, Potentiometers, Panels, Sockets, Sets, Transformers, Dials, Crystals, Mounting Boards, and Complete Receiving Sets.
Claims use since about Mar. 8, 1924.

Ser. No. 194,213. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYDYNE CORPORATION, New York, N. Y. Filed Mar. 21, 1924.

POLYSTAT

Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Jack and Antenna Plugs, Potentiometers, Panels, Sockets, Complete Receiving Sets, Transformers, Dials, Crystals, and Mounting Boards.
Claims use since about Mar. 8, 1924.

Ser. No. 194,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924.

SEBROF

Particular description of goods.—Coffee.
Claims use since about 1917.

Ser. No. 194,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 15, 1924.

LEFAVOR

Particular description of goods.—Coffee.
Claims use since on or about Oct. 1, 1923.

Ser. No. 194,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 22, 1924.

ZEANIN

Particular description of goods.—Cornstarch and Brewers' Grits Used as Foods and Ingredients of Foods.
Claims use since Sept. 8, 1921.

Ser. No. 194,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ECKO PRODUCTS COMPANY, Pittsburgh, Pa. Filed Mar. 22, 1924.



Particular description of goods.—Medical Preparation for Impotency.
Claims use since Jan. 1, 1924.

Ser. No. 194,267. (CLASS 12. CONSTRUCTION MATERIALS.) GARDINER AND LEWIS, INC., New York, N. Y. Filed Mar. 22, 1924.

KRODEPROOF

Particular description of goods.—Asphalt Used as Coatings for Metal and Masonry Paints.
Claims use since Feb. 16, 1924.

Ser. No. 194,271. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GOUDEY GUM CO., Boston, Mass. Filed Mar. 22, 1924.

PICK-A-NINNY

Particular description of goods.—Chewing Gum.
Claims use since Aug. 1, 1923.

Ser. No. 194,336. (CLASS 39. CLOTHING.) SIMON E. DAVIS & CO., INC., San Francisco, Calif. Filed Mar. 24, 1924.

GUARANTEED SEDCO

The word "Guaranteed" is disclaimed apart from the mark shown.

Particular description of goods.—Hosiery and Men's Work, Negligee, and Dress Shirts.
Claims use since December, 1922.

Ser. No. 194,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM PRENTISS, Jr., also doing business as California Almond Confections Company, Long Beach, Calif. Filed Mar. 26, 1924.

TALLE'

The descriptive words "All Sweet" are hereby disclaimed apart from the other features of the mark as shown on the drawing.

Particular description of goods.—Candy, Nuts—Namely, Almonds—Confections Composed of Nut Meats, Chocolate, and Fondant.
Claims use since July 25, 1923.

Ser. No. 194,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BLOOMINGTON CANNING CO., Bloomington, Ill. Filed Mar. 27, 1924.

LITTLE COOK

Particular description of goods.—Canned Vegetables.
Claims use since Feb. 16, 1915.

Ser. No. 194,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRIED, MENDELSON & COMPANY, New York, N. Y. Filed Mar. 27, 1924.

SILKOROY

Particular description of goods.—Silk and Cotton Piece Goods and Combinations Thereof.
Claims use since Feb. 14, 1924.

Ser. No. 194,542. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INDEPENDENT INDUSTRIES, INC., Wilmington, Del., and New York, N. Y. Filed Mar. 27, 1924.

MONASILK

Particular description of goods.—Piece Fabrics of Artificial Silk, of Artificial and Natural Silk, of Artificial Silk and Worsted, and of Artificial Silk and Cotton, and for Ribbons.
Claims use since May, 1922.

Ser. No. 194,544. (CLASS 39. CLOTHING.) THE KLEINMARK COMPANY, Rochester, N. Y. Filed Mar. 27, 1924.

PERMA-FLEECE

No claim is made to the word "Fleece" apart from the mark shown.

Particular description of goods.—Overcoats.
Claims use since Feb. 16, 1924.

Ser. No. 194,570. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ROYAL MALT & HOPS CO., New York, N. Y. Filed Mar. 27, 1924.

ROYAL BRAND

No claim is made for "Brand" apart from the mark shown by the drawing.

Particular description of goods.—Malt Sirup.
Claims use since June 1, 1920.

Ser. No. 194,573. (CLASS 39. CLOTHING.) C. B. SLATER COMPANY, South Braintree, Mass. Filed Mar. 27, 1924.

Slatermoc

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, or Textile Material.
Claims use since Oct. 1, 1923.

Ser. No. 194,660. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. POM-PHONA REMEDY CO., Helena, Mont. Filed Mar. 29, 1924.

POM-PHO-NA

Particular description of goods. Preparation for Hay Fever and Catarrh.
Claims use since January, 1923.

Ser. No. 194,687. (CLASS 15. OILS AND GREASES.) HAROLD C. BELLOWS, Bay City, Mich. Filed Mar. 31, 1924.

POWER PLUS

Particular description of goods. Gasoline and Engine and Motor Fuel Oils.
Claims use since Jan. 1, 1922.

Ser. No. 194,704. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GATEWAYS, INC., Newport News and Norfolk, Va. Filed Mar. 31, 1924.

GATEWAY

Particular description of goods. Dry Paints, Paints in Paste Form, Ready-Mixed Paints, Dry Pigments, Pigments in Oil, Metal Roof Paints, Gum-Base Roof Paints, Cold-Water Paints, Concrete Paints, Graphite Paints, Liquid Roof Cements, Shingle Stains, Varnish Stains, Varnish, Oil Stains, Paint and Varnish Driers, Paint Enamels, Prepared Shellac, Bronzing Liquids and Powders, Floor Oil, Floor Wax, Flattening Oil, Oil Polish, Wood Fillers, Turpentine, Turpentine Substitutes, Grain or Denatured Alcohol, and Linseed Oil.
Claims use since Jan. 12, 1923.

Ser. No. 194,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR J. BRADLEY, San Francisco, Calif. Filed Apr. 1, 1924.

SUBLIMEAT OF KRAB

The exclusive use of the words "Of Krab" apart from the mark as shown in the drawing is disclaimed.
Particular description of goods.—Crab Sandwich and Shrimp Sandwich.
Claims use since Jan. 2, 1924.

Ser. No. 194,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR J. BRADLEY, San Francisco, Calif. Filed Apr. 1, 1924.



Particular description of goods.—Crab Sandwich and Shrimp Sandwich.
Claims use since Jan. 2, 1924.

Ser. No. 194,785. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHELTEN ELECTRIC COMPANY, Philadelphia, Pa. Filed Apr. 1, 1924.

MICROFARAD JUNIOR

Without waiving any common-law rights thereto no claim is made to the word "Microfarad."
Particular description of goods.—Neutralizing Capacity Condensers.
Claims use since on or about Nov. 13, 1923.

Ser. No. 194,786. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHELTEN ELECTRIC COMPANY, Philadelphia, Pa. Filed Apr. 1, 1924.

MIDGET VERNIER

Without waiving any common-law rights thereto no claim is made to the word "Vernier" apart from the mark shown in the drawing.
Particular description of goods.—Variable Condensers.
Claims use since on or about Jan. 31, 1923.

Ser. No. 194,794. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL RADIO COMPANY, Cambridge, Mass. Filed Apr. 1, 1924.

GENERAL RADIO GR COMPANY

Particular description of goods.—Amplifiers, Direct and Alternating Current; Audiofrequency Transformers, Sockets, Rheostats; Miscellaneous Small Parts—Namely, Binding Posts, Switches, and Contacts—and Complete Radio Sets.
Claims use since Oct. 1, 1923.

Ser. No. 194,798. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HELENE MANUFACTURING CO., Scranton, Pa. Filed Apr. 1, 1924.

HELENE SANITARY STEP-IN

No claim is made to the words "Sanitary Step-in" apart from the mark as shown.
Particular description of goods.—Ladies' Sanitary Undergarments to be Used as a Combination Sanitary Belt, Sanitary Apron, Bloomer, and Protector.
Claims use since Feb. 1, 1924.

Ser. No. 194,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHUMWAY, HAWK & THOMAS, Tulsa, Okla. Filed Apr. 1, 1924.

Quality

TRIPLE "XXX" ICE CREAM

The words "Quality" and "Ice Cream" not being claimed apart from the other features of the mark.
Particular description of goods.—Ice Cream.
Claims use since Feb. 15, 1924.

Ser. No. 194,823. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Filed Apr. 1, 1924.

SUPER CLEANSER

No claim is made to the mark "Cleanser" apart from the mark shown.
Particular description of goods.—Chemical Cleansing and Washing Compounds.
Claims use since Nov. 27, 1922.

Ser. No. 194,830. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT B. WHEELAN, New York, N. Y. Filed Apr. 1, 1924.

RADIALAMP

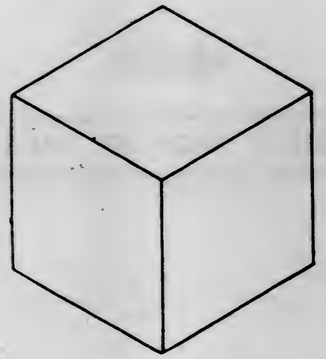
Particular description of goods.—Radio Loud Speakers.
Claims use since Mar. 15, 1924.

Ser. No. 194,832. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WONDER PORTABLE DISHWASHER COMPANY, Oakland, Calif. Filed Apr. 1, 1924.

SURGEX

Particular description of goods.—Electrical Dishwashing Machines.
Claims use since Jan. 30, 1924.

Ser. No. 194,858. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEBROEDERS JONKER, Zuilen, Netherlands. Filed Apr. 2, 1924.



Particular description of goods.—Varnish Brushes, Enamel Brushes, Paintbrushes, Calcimine Brushes, Tar Brushes, Ships' Brushes, Household Brushes, Scrubbing Brushes, Toilet Brushes, and Shaving Brushes.
Claims use since Mar. 1, 1924.

Ser. No. 194,859. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEBROEDERS JONKER, Zuilen, Netherlands. Filed Apr. 2, 1924.

MONOBLOC

Particular description of goods.—Varnish Brushes, Enamel Brushes, Paintbrushes, Calcimine Brushes, Tar Brushes, Ships' Brushes, Household Brushes, Scrubbing Brushes, Toilet Brushes, and Shaving Brushes.
Claims use since Mar. 4, 1924.

Ser. No. 194,880. (CLASS 11. INKS AND INKING MATERIALS.) THE SENEFELTH INK COMPANY, INC., New York, N. Y. Filed Apr. 2, 1924.

ANTITACK

Particular description of goods.—Thinning Compound for Printing Inks.
Claims use since Mar. 1, 1924.

Ser. No. 194,921. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOFFMAN BROS., INC., New York, N. Y. Filed Apr. 3, 1924.

Hoffers

Particular description of goods.—Watches, Watch Movements, Watchcases, Clocks, and Parts Thereof.
Claims use since November, 1923.

Ser. No. 194,947. (CLASS 17. TOBACCO PRODUCTS.) JOSÉ E. A. REYES, Tampa, Fla. Filed Apr. 3, 1924.

GLORIA SELECTAS



The picture is fanciful. No exclusive claim is made to the word "Selectas" except as associated with the other features of the mark.
Particular description of goods.—Cigars and Cigarettes.
Claims use since 1914.

Ser. No. 194,987. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Apr. 4, 1924.

STARLIGHT

Particular description of goods.—Satin Ribbon in the Bolt.
Claims use since about Jan. 1, 1924.

Ser. No. 195,042. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) W. E. ATZ, doing business as H. L. Leibe Company, Newark, N. J. Filed Apr. 5, 1924.

ALLURIUM

Particular description of goods.—Metal Alloy Adapted for Use in Jewelry and Similar Trades.
Claims use since July 2, 1922.

Ser. No. 195,057. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Apr. 5, 1924.

CHEVROLET

The main or ground portion of the mark is blue in color, the letters and the marginal band being white, and the narrow border bands about the letters and about the white border band (which are formed by dams which prevent the blue and white enamels from mingling) being the color of the metallic plate on which the mark appears, or silver color in the facsimiles submitted.
Particular description of goods.—Automobile Motor Vehicles and Parts Thereof.
Claims use since July 22, 1913.

Ser. No. 195,065. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT H. MCELROY, Jr., doing business as R. H. McElroy, Jr. & Company, Chicago, Ill. Filed Apr. 5, 1924.

KLEEN-SPOT

The words "Kleen Spot" apart from the mark shown are disclaimed for the purposes of the present registration and without waiving any of the applicant's common-law rights to the trade-mark.
Particular description of goods.—Cleaner and Spot Remover.
Claims use since Mar. 29, 1924.

Ser. No. 195,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY B. WHITE, doing business as The R. B. White Co., Big Wells, Tex. Filed Apr. 5, 1924.



The shading on the drawing indicates blue color.
Particular description of goods.—Fresh Spinach, Carrots, Beets, Lettuce, Peppers, and Like Vegetables and Wooden Hampers for Use in Shipping Same.
Claims use since Jan. 25, 1924.

Ser. No. 195,169. (CLASS 37. PAPER AND STATIONERY.) SAMUEL A. HARRIS, New York, N. Y. Filed Apr. 8, 1924.



Trade-mark consists of a conical-shaped figure turquoise in color, and is more particularly shown in the drawing for fountain pens affixed on the upper end of the caps as an independent member by means of a thread which adjusts itself in position on said caps. The remaining portion of the cap and the barrel of the fountain pen are hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Fountain Pens.
Claims use since Jan. 1, 1922.

Ser. No. 195,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUPERIOR FOUNDRY SUPPLY COMPANY, Pittsburgh, Pa. Filed Apr. 8, 1924.



Particular description of goods.—Purifying Flux for Metallurgical Treatment.
Claims use since about Apr. 1, 1923.

Ser. No. 195,257. (CLASS 38. PRINTS AND PUBLICATIONS.) BANKERS ECONOMIC SERVICE, INC., New York, N. Y. Filed Apr. 10, 1924.

COMMERCE
FINANCE & INDUSTRY

Particular description of goods.—Magazine or Periodical Issued Monthly.
Claims use since Apr. 2, 1924.

Ser. No. 195,269. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FEDERAL LABORATORIES, Chicago, Ill. Filed Apr. 10, 1924.

RATSTIK

Particular description of goods.—An Adhesive Rat-Catching Compound in the Form of a Pasty Semifluid Material.
Claims use since about Jan. 15, 1924.

Ser. No. 195,270. (CLASS 15. OILS AND GREASES.) FEDERAL OIL COMANY, Minneapolis, Minn. Filed Apr. 10, 1924.

VITALIS

Particular description of goods.—Lubricating Oil.
Claims use since Jan. 20, 1924.

Ser. No. 195,271. (CLASS 15. OILS AND GREASES.) FEDERAL OIL COMPANY, Minneapolis, Minn. Filed Apr. 10, 1924.

VITAGAS

Particular description of goods.—Gasoline.
Claims use since Jan. 20, 1924.

Ser. No. 195,292. (CLASS 39. CLOTHING.) IRWIN-PHILLIPS CO., Keokuk, Iowa. Filed Apr. 10, 1924.

BIG DAM

Particular description of goods.—Work Coats, Pants, Overalls, One-Piece Suits, Work and Negligee Shirts, and Childrens' Overalls, Jumpers, Pants, Work and Negligee Shirts, Textile Underwear for Men and Women, and One, Two, and Three Piece Suits of Wash Fabrics for Children.
Claims use since Aug. 6, 1912.

Ser. No. 195,330. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THOMAS W. BINDER, doing business as Elec-Rad Company, Trenton, N. J. Filed Apr. 11, 1924.

VARIO-HENRY

Particular description of goods.—Variable Inductance Coils.
Claims use since about September, 1923.

Ser. No. 195,331. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THOMAS W. BINDER, doing business as Elec-Rad Company, Trenton, N. J. Filed Apr. 11, 1924.

VARIO-FARAD

Particular description of goods.—Variable Condensers.
Claims use since about September, 1923.

Ser. No. 195,418. (CLASS 38. PRINTS AND PUBLICATIONS.) SEGO MILK PRODUCTS COMPANY, Salt Lake City, Utah. Filed Apr. 11, 1924.

The Milk Pail

Particular description of goods.—Monthly Publication Published in the Interest of Dairying.
Claims use since April, 1920.

Ser. No. 195,429. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & CO., Minneapolis, Minn. Filed Apr. 11, 1924.

Wymanit

Particular description of goods.—Ladies' Vests, Bloomers, Step-Ins, Chemises, Petticoats, Princess Slips, and Knitted Silk Scarfs Made of Fiber Silk or of Thread Silk or a Combination of Fiber Silk and Thread Silk.
Claims use since about Feb. 24, 1924.

Ser. No. 195,430. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEW BRUNSWICK CHEMICAL COMPANY, Newark, N. J. Filed Apr. 10, 1924.

THE NEW BRUNSWICK CHEMICAL COMPANY · NEWARK, N.J. · NBC

The words "Newark, N. J." are disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Chemicals—Namely, Adeline Wax, Boil-Off-Oil, Chafe-Mark Eradicator, Softener, Waterproofing Compound, Finish V., Finish W. L., Guminat, Oleonat P., Oleonat Soap, Roselin, Soluble Tallow Softener, Size Tallow, Terpol Hydrate, Tetraoleonat, Terpolin, Volumin Conc., Volumin Oil, Alizarol P., Lustrol S., Lustrol W. S. Supra.
Claims use since Oct. 8, 1923.

Ser. No. 195,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Apr. 12, 1924.

DELPHIA

Particular description of goods.—Canned Figs.
Claims use since Mar. 1, 1924.

Ser. No. 195,469. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM VASSEL CO., Providence, R. I. Filed Apr. 12, 1924.

STOMAKTONE V K P.

No claim is made to the exclusive right to the use of the word "Stomaktone" apart from the mark shown.
Particular description of goods.—Tonic for Disorders of the Stomach.
Claims use since Apr. 2, 1924.

Ser. No. 195,485. (CLASS 37. PAPER AND STATIONERY.) BROOKS PAPER COMPANY, St. Louis, Mo. Filed Apr. 14, 1924.

PURITY

Particular description of goods.—Tissue Paper, Vegetable Parchment, Wax Paper, Paper Excelsior, and Paper Napkins.
Claims use since Jan. 1, 1904.

Ser. No. 195,493. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Apr. 14, 1924.

ARROW

Particular description of goods.—Neckties.
Claims use since Apr. 29, 1921.

Ser. No. 195,496. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE COLUMBUS WASHBOARD COMPANY, Columbus, Ohio. Filed Apr. 14, 1924.

WASH-A-BIT

Particular description of goods.—Washboards.
Claims use since Mar. 1, 1924.

Ser. No. 195,513. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 14, 1924.

Zinc-O-Lith

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, Wall Paints, Stains, Lacquers, Japans, Driers and Dry Colors, Flat Wall Finishes for Interior and Exterior Use.
Claims use since May, 1917.

Ser. No. 195,527. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 14, 1924.

ALL TEST

Particular description of goods.—Varnish, Dry, Paste, and Ready-Mixed Paints, and Finishes.
Claims use since Mar. 17, 1924.

Ser. No. 195,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEAUTI-CRAFT CO., Chicago, Ill. Filed Apr. 16, 1924.

GLINTEX

Particular description of goods.—Shampoos.
Claims use since about December, 1923.

Ser. No. 195,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BLUBLAZE MOTOR SPECIALTIES CORP., Long Island City, N. Y. Filed Apr. 16, 1924.

CHAMPION

Particular description of goods.—Ignition Timers for Internal-Combustion Engines.
Claims use since Jan. 1, 1924.

Ser. No. 195,640. (CLASS 39. CLOTHING.) HARRIS & FRANK, Los Angeles, Calif. Filed Apr. 16, 1924.

FULLWORTH

Trade-mark consists of the word "Fullworth."
Particular description of goods.—Clothes—Namely, Suits and Coats.
Claims use since Jan. 10, 1924.

Ser. No. 195,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALA COMPANY, Cambridge, Mass. Filed Apr. 16, 1924.

CREAM O COMFORT

Particular description of goods.—Cold Creams.
Claims use since on or before Apr. 30, 1923.

Ser. No. 195,645. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALA COMPANY, Cambridge, Mass. Filed Apr. 16, 1924.

CREAM O POWDER

Particular description of goods.—Face Powders.
Claims use since on or before Feb. 1, 1924.

Ser. No. 195,647. (CLASS 27. HOROLOGICAL INSTRUMENTS.) "LIGA" WATCH MANUFACTORY, LIMITED, Soleure, Switzerland. Filed Apr. 16, 1924.

LIGA

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts of the Same.
Claims use since on or before Sept. 8, 1921.

Ser. No. 195,676. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Apr. 17, 1924.

PASTELETTES

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Nightrobes, Underwear, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since March, 1924.

Ser. No. 195,693. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KATZ & OGUSH, INC., New York, N. Y. Filed Apr. 17, 1924.

K.&O.

Particular description of goods.—Finger Rings, Bar Pins, Scarf Pins, Bracelets, Sautoirs, Watch Chains, Gem Settings, Mesh Bags, Vanity Cases, Barrettes, Brooches, Belt Buckles, Collar Pins, Cigarette Cases, Cigar Cutters, Collar Buttons, Earrings, Watch Fobs, Necklaces, Neck Chains, Necklace Clasps, Medals, Cuff Buttons, Shoe Buckles, Lockets, Tie Clasps, Watch-Chain Snaps, and Veil Pins, All of the Above Articles Being Made of or Coated with Precious Metal.
Claims use since Jan. 17, 1921.

Ser. No. 195,711. (CLASS 12. CONSTRUCTION MATERIALS.) PLASTERGON WALL BOARD CO., Buffalo, N. Y. Filed Apr. 17, 1924.

MAMMOTH

Particular description of goods.—Wood-Fiber Wall Board.
Claims use since Mar. 28, 1924.

Ser. No. 195,712. (CLASS 12. CONSTRUCTION MATERIALS.) PLASTERGON WALL BOARD CO., Buffalo, N. Y. Filed Apr. 17, 1924.



Particular description of goods.—Wood-Fiber Wall Board.
Claims use since Mar. 28, 1924.

Ser. No. 195,713. (CLASS 12. CONSTRUCTION MATERIALS.) PLASTERGON WALL BOARD CO., Buffalo, N. Y. Filed Apr. 17, 1924.



Particular description of goods.—Wood-Fiber Wall Board.
Claims use since Mar. 28, 1924.

Ser. No. 195,718. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SERVICE RADIO CORPORATION, New York, N. Y. Filed Apr. 17, 1924.

Porta-Radio

No claim is made to the word "Radio" apart from the mark shown in the drawing.
Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, B Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Plugs, Potentiometers, Panels, Sockets, Sets, Transformers, Dials, Crystals, and Mounting Boards.
Claims use since about Apr. 1, 1924.

Ser. No. 195,720. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD OIL COMPANY, San Francisco, Calif. Filed Apr. 17, 1924.

Vac

The trade-mark consists of the word "Vac."
Particular description of goods.—Crank-Case Drain-Plug Adapter.
Claims use since Mar. 24, 1924.

Ser. No. 195,721. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD OIL COMPANY, San Francisco, Calif. Filed Apr. 17, 1924.

ZEROLENE

The trade-mark consists of the word "Zerolene."
Particular description of goods.—Crank-Case Drain-Plug Adapter.
Claims use since Apr. 4, 1924.

Ser. No. 195,722. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD OIL COMPANY, San Francisco, Calif. Filed Apr. 17, 1924.

ZEROLENE Vac

The trade-mark consists of the words "Zerolene Vac."
Particular description of goods.—Crank-Case Drain-Plug Adapter.
Claims use since Apr. 4, 1924.

Ser. No. 195,724. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN M. TEES, doing business as J. M. Tees Company, San Francisco, Calif. Filed Apr. 17, 1924.

SOP-TIM-BOM

The words "Sop-Tim-Bom" is the English translation of the Chinese ideographs which in the Chinese language mean "Half Past Ten."
Particular description of goods.—Game to be Played with Dominolike Pieces.
Claims use since Apr. 1, 1924.

Ser. No. 195,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILDA LEE, INC., Lowell, Mass. Filed Apr. 18, 1924.

"ME"

Particular description of goods.—Deodorant Body Powders.
Claims use since Feb. 9, 1920.

Ser. No. 195,755. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MELODYNE COMPANY, New York, N. Y. Filed Apr. 18, 1924.

MELODYNE

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Apr. 10, 1924.

Ser. No. 195,756. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDDLE WEST LABORATORIES, Bloomington, Ill. Filed Apr. 18, 1924.

HEAL-ASEPTIC

Particular description of goods.—Throat Tablets and a Preparation for Use as an Antiseptic and as a Healing Agent in the External Treatment of Wounds, Sores, Abrasions, Burns, Soreness of the Throat, Mouth, Nose, Sore Eyes, Pyorrhea, for Use as a Gargle in the Treatment of Coughs.
Claims use since Mar. 15, 1924.

Ser. No. 195,818. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM O. GOODRICH COMPANY, Milwaukee, Wis. Filed Apr. 19, 1924.



No claim is made to the words "Quality" and "Service", except in connection with the mark as shown in the drawing.
Particular description of goods.—Linseed Oil.
Claims use since Feb. 3, 1921.

Ser. No. 195,853. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALOKA CHEMICAL CORPORATION, Chicago, Ill. Filed Apr. 21, 1924.

ALOK

Particular description of goods.—Paint and Enamel Remover with Incidental Properties as a Grease and Dust Eradicator and Metal Cleanser.
Claims use since January, 1915.

Ser. No. 195,864. (CLASS 38. PRINTS AND PUBLICATIONS.) RAY ANDREW CARLSON, Chicago, Ill. Filed Apr. 21, 1924.



Particular description of goods.—Periodical Publications.
Claims use since Feb. 20, 1924.

Ser. No. 195,880. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE FUN SHOP, INC., New York, N. Y. Filed Apr. 21, 1924.

Fun Shop

Particular description of goods.—Motion Pictures.
Claims use since Apr. 17, 1924.

Ser. No. 195,902. (CLASS 15. OILS AND GREASES.) ORIENTAL OIL COMPANY, Dallas, Tex. Filed Apr. 21, 1924.

OROCO

Particular description of goods.—Gasoline, Lubricating Oil, and Cup Greases.
Claims use since about Mar. 1, 1921.

Ser. No. 195,924. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TIME-O-STAT CORPORATION, Milwaukee, Wis. Filed Apr. 21, 1924.

Time-O-Stat

Particular description of goods.—Pilot-Light Controls and Igniting Devices for Burners.
Claims use since June 16, 1923.

Ser. No. 195,927. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARNER BROTHERS PICTURES, INC., New York, N. Y. Filed Apr. 21, 1924.

RIN-TIN-TIN

Particular description of goods.—Motion-Picture Films.
Claims use since Aug. 29, 1923.

Ser. No. 195,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALTOP INC., Buffalo, N. Y. Filed Apr. 22, 1924.

A MEAL In A GLASS

Particular description of goods.—Food Drinks Containing Malt-Chocolate Flavor.
Claims use since about Jan. 1, 1924.

Ser. No. 195,998. (CLASS 12. CONSTRUCTION MATERIALS.) ARNOLD STONE, BRICK & TILE CO., INC., Jacksonville, Fla. Filed Apr. 23, 1924.



No claim is made to the exclusive use of the word "Trade-Mark."
Particular description of goods.—Artificial Stone.
Claims use since Apr. 19, 1924.

Ser. No. 196,010. (CLASS 2. RECEPTACLES.) ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill. Filed Apr. 23, 1924.



Particular description of goods.—Cosmetic Containers—viz, Powder Boxes, Rouge Boxes, Vanity Cases, Perfume Vials, Lip Sticks, and Eyebrow Pencils—the Same Being Made of Nickel.
Claims use since Oct. 15, 1923.

Ser. No. 196,011. (CLASS 2. RECEPTACLES.) ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill. Filed Apr. 23, 1924.

Betty Jane

Particular description of goods.—Cosmetic Containers—viz, Powder Boxes, Rouge Boxes, Vanity Cases, Perfume Vials, Lip Sticks, and Eyebrow Pencils—the Same Being Made of Nickel.
Claims use since Oct. 15, 1923.

Ser. No. 196,032. (CLASS 15. OILS AND GREASES.) RUSK OIL CO., Philadelphia, Pa. Filed Apr. 23, 1924.

RESISTO

Trade-mark consists of the word "Resisto."
Particular description of goods.—Motor Oils and Lubricating Oils.
Claims use since about Nov. 6, 1923.

Ser. No. 196,044. (CLASS 22 GAMES, TOYS, AND SPORTING GOODS.) B. ALTMAN & CO., New York, N. Y. Filed Apr. 24, 1924.



Particular description of goods.—Golf Balls, Golf Clubs, Tennis Rackets, and Tennis Balls.
Claims use since Apr. 3, 1924.

Ser. No. 196,045. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IRA J. ANDERSON, Truman, Minn. Filed Apr. 24, 1924.

IT'S JAKE WITH ANDY
IJA SOAP
MANUFACTURED BY
IRA J. ANDERSON
TRUMAN MINNESOTA
IT COMES IN MIGHTY HANDY

With the exception of the words "IJA" and "It's Jake with Andy" no claim is made for the wording apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since Dec. 1, 1923.

Ser. No. 196,054. (CLASS 39. CLOTHING.) THE GANO-DOWNS CLOTHING COMPANY, Denver, Colo. Filed Apr. 24, 1924.



No claim is made for the word "Denver" apart from the mark shown by the drawing.
Particular description of goods.—Hosiery.
Claims use since Feb. 1, 1924.

Ser. No. 196,063. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KOSMOS PHOTOGRAPHICS, LIMITED, London and Letchworth, England. Filed Apr. 24, 1924.

PAPYRUS

Particular description of goods.—Unexposed Sensitized Photographic Films.
Claims use since June 21, 1923.

Ser. No. 196,065. (CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed Apr. 24, 1924.

GYPSY BAND

No claim is made to the word "Band" apart from the mark shown.
Particular description of goods.—Undergarment for Women to be Worn as a Girdle or Figure-Retaining Garment.
Claims use since Apr. 9, 1924.

Ser. No. 196,069. (CLASS 39. CLOTHING.) A. I. NAMM & SON, Brooklyn, N. Y. Filed Apr. 24, 1924.

TAILORCRAFT

Particular description of goods.—Men's and Boys' Overcoats, Coats, Vests, Trousers, and Raincoats.
Claims use since Apr. 1, 1924.

Ser. No. 196,075. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE RIESER COMPANY, INC., New York, N. Y. Filed Apr. 24, 1924.

Bobnet

Particular description of goods.—Hair Nets.
Claims use since Aug. 15, 1923.

Ser. No. 196,134. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC WHOLESALE GROCERY CO., Los Angeles, Calif. Filed Apr. 25, 1924.

GOLDEN REY

Particular description of goods.—Canned Peaches, Pears, Plums, Cherries; Canned Spinach, Tomatoes, Corn and Peas; Canned Soup, Mincemeat, Olive Oil, Tea, Coffee, Mustard, Cinnamon, Allspice; Dried Apples, Apricots, and Peaches; Peach and Pear Preserves; Apple, Raspberry, and Strawberry Jellies; Apple, Raspberry, and Strawberry Jams; Chocolate, Cocoa, Wheat Flour, Hominy, Corn Grits, Rice, Oatmeal, Macaroni, Spaghetti, Butter, Lard, Eggs, Sugar; American, American Full-Cream, and Swiss-Style Cheese; Vanilla and Lemon Extracts for Food Purposes; Candy, Molasses, Corn Sirup for Food Purposes, Cakes, Crackers, Chili Sauce, Salad Dressing.
Claims use since Feb. 1, 1924.

Ser. No. 196,135. (CLASS 15. OILS AND GREASES.) THE PENNZOIL CO. INC., Buffalo, N. Y. Filed Apr. 25, 1924.

PAR-O-VIS

Particular description of goods.—Lubricants in Oil and Grease Form.
Claims use since Mar. 31, 1924.

Ser. No. 196,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER CO., San Francisco, Calif. Filed Apr. 26, 1924.

CIRCLE C

Particular description of goods.—Canned Fish.
Claims use since Feb. 1, 1924.

Ser. No. 196,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER CO., San Francisco, Calif. Filed Apr. 26, 1924.

SEABEST

Particular description of goods.—Canned Fish.
Claims use since Feb. 1, 1924.

Ser. No. 196,185. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NEW YORK AUTO AND RADIO SUPPLY CO., Chicago, Ill. Filed Apr. 26, 1924.

NYCO

Particular description of goods.—Automobile Tires, Tubes, Casings, of Rubber and Fabric; Valves, Valve Stems, and Parts for Tires; Fabric Reliners, Tire Boots, Blow-Out Patches, Inner Tires; Machinery Packing of Rubber, Asbestos, and Fabric; Fan Belts, Radiator Hose, Transmission Lining, and Brake Lining.
Claims use since Jan. 1, 1917.

Ser. No. 196,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITY MILLS CO., Columbus, Ga. Filed Apr. 28, 1924. Under ten-year proviso.

PEARCE'S
OLD STYLE ✣ WATER GROUND

Particular description of goods.—Corn Meal.
Claims use since April, 1884.

Ser. No. 196,235. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill. Filed Apr. 28, 1924.

BUSTER

Particular description of goods.—Tool Steel.
Claims use since Mar. 15, 1923.

Ser. No. 196,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL W. MOOMAW, Okemah, Okla. Filed Apr. 28, 1924.

MONKEY (Brand) OIL

No claim is made to the words "Brand" and "Oil" apart from the mark shown.
Particular description of goods.—Rubbing-In Oil for External Use.
Claims use since Apr. 1, 1921.

Ser. No. 196,258. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO INDUSTRIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.

GRAND OPERA

VOLUMETER

Particular description of goods.—Telephone Receivers and Loud Talkers for Use in Radioreceiving.
Claims use since about Dec. 28, 1923.

Ser. No. 196,263. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"GREEN SPOT"



The lining for color shown on the drawing is intended to designate the color green. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"RED SPOT"



The lining for color shown on the drawing is intended to designate the color red. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"BLUE SPOT"



The lining for color shown on the drawing is intended to indicate the color blue. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

VIOLET SPOT



The lining for color shown on the drawing is intended to indicate the color violet. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,267. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"YELLOW SPOT"



The lining for color on the drawing is intended to designate the color yellow. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"INDIGO SPOT"



The lining for color on the drawing is intended to designate the color indigo. Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"ORANGE SPOT"



The lining for color on the drawing is intended to designate the color orange. Applicant, without waiving any common-law right, to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

Ser. No. 196,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill. Filed Apr. 28, 1924.

"SPOT"



Applicant, without waiving any common-law rights, hereby disclaims the exclusive right to the representation of a piece of candy except in connection with the mark shown.
Particular description of goods.—Candy.
Claims use since Apr. 19, 1924.

324 O. G.—48

Ser. No. 196,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.



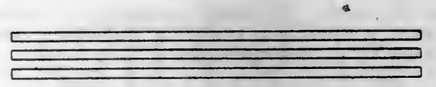
Particular description of goods.—Bread.
Claims use since on or about Jan. 2, 1924.

Ser. No. 196,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.



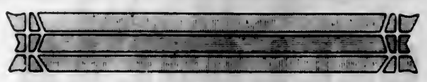
Particular description of goods.—Bread.
Claims use since on or about Dec. 1, 1922.

Ser. No. 196,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.



Particular description of goods.—Bread.
Claims use since on or about Dec. 1, 1922.

Ser. No. 196,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.



The drawing is lined for red and blue.
Particular description of goods.—Bread.
Claims use since on or about Dec. 1, 1922.

Ser. No. 196,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, New York, N. Y. Filed Apr. 28, 1924.



The drawing is lined for red and blue.
Particular description of goods.—Bread.
Claims use since on or about Dec. 1, 1922.

Ser. No. 196,280. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Apr. 28, 1924.



REDLEAF

Drawing is lined to indicate the color red.
Particular description of goods.—Men's, Boys', Women's, Misses', and Children's Suits, Dresses, Cloaks, Wraps, Overcoats, Jackets, Sweaters, Hats, Caps, Neckties, Mufflers, Collars, Hosiery; Gloves of Leather, Rubber, Fabric, and Combinations; Shoes of Leather, Rubber, Fabric, and Combinations; Riding Boots, Putties, Spats, Bath Robes, Pyjamas, and Knitted and Textile Underwear of One and Two Pieces.
Claims use since 1908 on Men's, Boys', Women's, Misses', and Children's Suits, Dresses, Cloaks, Wraps, Overcoats, Jackets, Sweaters, Hats, Caps, Neckties, Mufflers, Collars, Hosiery; Gloves of Leather, Rubber, Fabric, and Combinations; Shoes of Leather, Rubber, Fabric, and Combinations; Riding Boots, Putties, Spats, Bath Robes, and Pyjamas; and upon Underwear of One and Two Pieces since Sept. 18, 1923.

Ser. No. 196,290. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN BUCHBINDER, New York, N. Y. Filed Apr. 29, 1924.

IRON-LAST

Particular description of goods.—Ready-Mixed Paints and Varnishes.
Claims use since Mar. 31, 1922.

Ser. No. 196,325. (CLASS 37. PAPER AND STATIONERY.) WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass., and New York, N. Y. Filed Apr. 29, 1924.

CELLOGLAS

Particular description of goods.—Wrapping and Transparent Papers.
Claims use since about Mar. 10, 1924.

Ser. No. 196,333. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEVELAND MILLING CO., Cleveland, Tenn. Filed Apr. 30, 1924.



Particular description of goods.—Wheat Flour.
Claims use since February, 1924.

Ser. No. 196,341. (CLASS 38. PRINTS AND PUBLICATIONS.) HARDWARE DEALERS' MAGAZINE, INC., New York, N. Y. Filed Apr. 30, 1924.



Trade-mark "Gulliver Goods" and the picture of the giant Gulliver which appear in the accompanying drawing.
Particular description of goods.—Articles Which Appear from Time to Time in the Hardware Dealers' Magazine.
Claims use since March, 1924.

Ser. No. 196,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LIGHTNIN LYE CO., Cleveland, Ohio. Filed Apr. 30, 1924.



Particular description of goods.—Lyes and Drain Solvents.
Claims use since about Jan. 8, 1924.

Ser. No. 196,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAENGER DRUG COMPANY, INC., Shreveport, La. Filed Apr. 30, 1924.

℞ 599

Particular description of goods.—Medicine for Rheumatism, Lumbago, Gout, Neuralgia, and Sciatica.
Claims use since Jan. 10, 1910.

Ser. No. 196,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 30, 1924.

Moccasin

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Lengths.
Claims use since Apr. 2, 1924.

Ser. No. 196,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNIVERSAL MILK COMPANY, Dover, Del. Filed Apr. 30, 1924.



No claim is made to the use of the word "Brand" apart from the mark shown.
Particular description of goods.—Evaporated Skimmed Milk.
Claims use since Apr. 20, 1924.

Ser. No. 196,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEVELAND MILLING COMPANY, Cleveland, Tenn. Filed May 1, 1924.

CLE-MI-CO

Particular description of goods.—Wheat Flour.
Claims use since February, 1924.

Ser. No. 196,367. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DEHCO ENAMELING COMPANY, Kansas City, Mo. Filed May 1, 1924.

DEHCO

The drawing is lined to indicate red.
Particular description of goods.—Paint Solvents, Paint Enamels, and Varnishes.
Claims use since Sept. 15, 1923.

Ser. No. 196,392. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA CHOY FOOD PRODUCTS, Detroit, Mich. Filed May 1, 1924.

SUB-KUM

Particular description of goods.—Canned Food Products, the Principal Ingredients of Which are Water Chestnuts, Bamboo Shoots, and Vegetable Sprouts.
Claims use since on or about Apr. 15, 1923.

Ser. No. 196,394. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed May 1, 1924.

PEERSBORO

Particular description of goods.—Women's Hats.
Claims use since Mar. 20, 1924.

Ser. No. 196,414. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) UNITED LAST COMPANY, Auburn, Me., and Boston, Mass. Filed May 1, 1924.

SIZEOGRAPH

Particular description of goods.—Educational Device Adapted to Exhibit Shoe Sizes.
Claims use since Mar. 3, 1924.

Ser. No. 196,446. (CLASS 15. OILS AND GREASES.) THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924.

Facto

Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils and Greases.
Claims use since June 1, 1919.

Ser. No. 196,450. (CLASS 15. OILS AND GREASES.) THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924.

Facto
Quality Products

Applicant does not claim herein the exclusive right to the phrase "Quality Products" apart from the mark as shown.

Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils and Greases.

Claims use since June 1, 1919.

Ser. No. 196,454. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed May 2, 1924.

HI-OLA

Particular description of goods.—Fruit Sirup for Beverage Purposes.

Claims use since Apr. 25, 1924.

Ser. No. 196,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOL-SOM CANDY SPECIALTY CO., Baltimore, Md. Filed May 2, 1924.

SPINARENE

Particular description of goods.—Candy.

Claims use since Mar. 1, 1924.

Ser. No. 196,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN JACOBSON, doing business as Lexington Products Co., Brooklyn, N. Y. Filed May 2, 1924.

LEXOL

Particular description of goods.—Shampoos and Rubbing Alcohol.

Claims use since about September, 1923.

Ser. No. 196,466. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREDERICK S. MCCULLOUGH, doing business as F. S. McCullough Laboratories, Wilkinsburg, Pa. Filed May 2, 1924.

HELIOTRON TUBE

No claim is made to the word "Tube" apart from the mark as shown.

Particular description of goods.—Electron Tubes.

Claims use since Apr. 26, 1924.

Ser. No. 196,470. (CLASS 39. CLOTHING.) THE MUNROE SHOE COMPANY, INC., Auburn, Me. Filed May 2, 1924.

RITA

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, Canvas, or Textile Material.

Claims use since Apr. 25, 1924.

Ser. No. 196,482. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOCIETE COMMANDITE CHOME & CIE., Lille, France. Filed May 2, 1924. Under ten-year proviso.

MAUBERT

Particular description of goods.—Toilet Soaps.

Claims use since 1820.

Ser. No. 196,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE COMMANDITE CHOME & CIE., Lille, France. Filed May 2, 1924. Under ten-year proviso.

MAUBERT

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Brilliantine, Eau de Cologne, Rouge, Lotion for the Skin and Hair.

Claims use since 1820.

Ser. No. 196,517. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE ELDER COMPANY, Middletown, Conn. Filed May 3, 1924.

CLAIRBEL

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.

Claims use since about Feb. 1, 1924.

Ser. No. 196,563. (CLASS 15. OILS AND GREASES.) JAMES WOODROW, doing business as James Woodrow & Company, Independence, Kans. Filed May 3, 1924.

MOTOR
Perfect
Seal
OILS

No claim is made to the words "Motor Oils" apart from the mark as shown in the drawing.

Particular description of goods.—Lubricating Oils.

Claims use since Sept. 1, 1922.

Ser. No. 196,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. W. BARKHAUS & SONS, Newcastle, Calif. Filed May 5, 1924.

PET

Particular description of goods.—Fresh Deciduous Fruit.

Claims use since Sept. 15, 1923.

Ser. No. 196,568. (CLASS 39. CLOTHING.) BELLANN HOSIERY MILLS, INC., New York, N. Y. Filed May 5, 1924.

BELLANN

Particular description of goods.—Hosiery.

Claims use since November, 1920.

Ser. No. 196,583. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE DIAMOND MATCH COMPANY, Chicago, Ill. Filed May 5, 1924.

SAFETY STRIKE ANYWHERE
SWAN
DIAMOND
MATCHES

The horizontal lining indicates blue, and the vertical lining indicates red. No claim is made to the words "Safety—Strike Anywhere" or "Matches" apart from the trade-mark shown, applicant reserving its common-law rights thereto.

Particular description of goods.—Matches.

Claims use since March, 1924.

Ser. No. 196,600. (CLASS 37. PAPER AND STATIONERY.) D. W. Low, Los Angeles, Calif. Filed May 5, 1924.

CLASOFILE

Particular description of goods.—Portable Index and Filing Devices.

Claims use since Apr. 25, 1924.

Ser. No. 196,601. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) VINCENT J. LUONGO & COMPANY, Brooklyn, N. Y. Filed May 5, 1924.

LUONGO PITLESS
V.J.LUONGO&CO.
DENTAL CASTING GOLDS

Applicant disclaims exclusive use of the words "Luongo Pitless" and "Dental Casting Golds" apart from the mark shown in the drawing.

Particular description of goods.—Metals for Gold Metal Castings.

Claims use since Jan. 1, 1924.

Ser. No. 196,607. (CLASS 37. PAPER AND STATIONERY.) MYERS PAPER COMPANY, Memphis, Tenn. Filed May 5, 1924.

BLUE GOOSE



MYERS PAPER CO. MEMPHIS

Applicant disclaims the word "Memphis" upon the drawings and specimens filed herewith.

Particular description of goods.—Writing Tablets, Pencils, Writing Paper, Crayons, and Pen Staffs.

Claims use since Dec. 1, 1922.

Ser. No. 196,614. (CLASS 39. CLOTHING.) NICHOLSON-FEINBERG, INC., New York, N. Y. Filed May 5, 1924.



Particular description of goods.—Hosiery for Men, Women, and Children.

Claims use since Feb. 1, 1924.

Ser. No. 196,624. (CLASS 39. CLOTHING.) SIEGEL BROS. & BURNSTINE, New York, N. Y. Filed May 5, 1924.

Larri Shag

Particular description of goods.—Ladies', Misses', and Juniors' Coats and Suits in One, Two, and Three Piece Garments.

Claims use since Apr. 23, 1924.

Ser. No. 196,629. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 5, 1924.

STANOLIND

MINERAL RUBBER

ASPHALT

The words "Mineral Rubber Asphalt" are disclaimed except in connection with the other features of the mark, though applicant does not hereby waive any of its common-law rights with reference to the use of said words as a trade-mark.

Particular description of goods.—Asphaltic Compound for Use in the Manufacture of Automobile Tires, Etc.

Claims use since July 20, 1923.

Ser. No. 196,631. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANS VAN DER BOM, New York, N. Y. Filed May 5, 1924.

VALUPAK

Trade-mark consists of the word "Valupak."

Particular description of goods.—Postage Stamps for Collectors.

Claims use since May 1, 1924.

Ser. No. 196,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBER SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.

ATLANTIC

Particular description of goods.—Hair Tonics and Face Lotions.

Claims use since July, 1923.

Ser. No. 196,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBER SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.

BRANNEN'S ROSE

Particular description of goods.—Massage Cream.

Claims use since June, 1913.

Ser. No. 196,638. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.

CAMPHOMENTO

Particular description of goods.—Antiseptic Healing Cream for Use in the Treatment of Sore Throat, Headache, Catarrh, Bruises, Chapped Hands, Insect Bites, and for Use after Shaving.

Claims use since December, 1923.

Ser. No. 196,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.

GOLD SEAL
FOAMING



No claim is made to the word "Foaming" apart from the mark appearing on the drawing.

Particular description of goods.—Hair Tonic.

Claims use since July, 1923.

Ser. No. 196,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.



The lining on the drawing represents the color red.

Particular description of goods.—Hair Tonic.

Claims use since July, 1923.

Ser. No. 196,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY CO., Atlanta, Ga. Filed May 6, 1924.



Particular description of goods.—Hair Tonic.

Claims use since August, 1918.

Ser. No. 196,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN P. FIGENBAUM & COMPANY, Mattoon, Ill. Filed May 6, 1924.

FIG TREE

Particular description of goods.—Eggs.

Claims use since 1923.

Ser. No. 196,656. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed May 6, 1924.



Applicant does not claim herein the right to the exclusive use of the representation of the goods, but does not waive its common-law or other rights thereto.

Particular description of goods.—Vehicle Tires Made Wholly or Partly of Rubber and Rubber Tubes Therefor.

Claims use since Apr. 16, 1924.

Ser. No. 196,657. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed May 6, 1924.



Applicant does not claim herein the right to the exclusive use of the representation of the goods, but does not waive its common-law or other rights thereto.

Particular description of goods.—Vehicle Tires Made Wholly or Partly of Rubber.

Claims use since Apr. 16, 1924.

Ser. No. 196,660. (CLASS 39. CLOTHING.) HIRSCHBERG & COMPANY, New York, N. Y. Filed May 6, 1924.

SHELL

Particular description of goods.—Men's, Boys', Women's, Girls', and Children's Hats.

Claims use since September, 1923.

Ser. No. 196,666. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KRIER PRESERVING COMPANY, INC., Belgium, Wis. Filed May 6, 1924.

Sunbonnet

Particular description of goods.—Canned Vegetables Comprising Beets, Peas, Corn, and Spinach.

Claims use since Oct. 1, 1913.

Ser. No. 196,667. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL R. MAKRAUER BARBER SUPPLY CO., Pittsburgh, Pa. Filed May 6, 1924.

Mabsco

Particular description of goods.—Olive Shampoo, Bay Rum, Hairdressing, Toilet Water, Dandruff Remedy, Witch-Hazel, Hazel Bay Rum, Liquid Quinine Hair Tonic, and Styptic Pencils.

Claims use since Jan. 1, 1922.

Ser. No. 196,674. (CLASS 39. CLOTHING.) POLLAK BEHRENS & COMPANY, New York, N. Y. Filed May 6, 1924.

The Lounger

Particular description of goods.—Men's Robes.

Claims use since Mar. 1, 1924.

Ser. No. 196,678. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAROLD G. SCHLECHT, Palatka, Fla. Filed May 6, 1924.

"HOOCH"

Particular description of goods.—Gasoline-Saving Devices for Automobile Engines.

Claims use since Mar. 1, 1924.

Ser. No. 196,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. H. SPIEGL, San Francisco, Calif. Filed May 6, 1924.



Particular description of goods.—Fresh Fruits and Fresh Vegetables.

Claims use since Apr. 15, 1924.

Ser. No. 196,686. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AEROBELLE COMPANY, Worcester, Mass. Filed May 7, 1924.

AEROBELLE

Particular description of goods.—Shock Absorbers.

Claims use since Nov. 4, 1922.

Ser. No. 196,696. (CLASS 39. CLOTHING.) H. L. DISTILLATOR & SON, INC., New York, N. Y. Filed May 7, 1924.



Diston

Particular description of goods.—Ladies' Hats.

Claims use since December, 1923.

Ser. No. 196,700. (CLASS 39. CLOTHING.) J. E. FRENCH CO., Rockland, Mass. Filed May 7, 1924.

PERFECT POISE

Particular description of goods.—Leather Shoes.

Claims use since Apr. 30, 1924.

Ser. No. 196,713. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REPUBLIC VARNISH COMPANY, Newark, N. J. Filed May 7, 1924.

"Where the promise is fulfilled."

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Paint Enamels, Varnish, and Lacquers.

Claims use since May 1, 1921.

Ser. No. 196,745. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOHLFELD MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 8, 1924.



Particular description of goods.—Cloth Towels of All Sorts, Wash Rags, Face Cloths, Textile Bath Mats, and Textile Bathroom Rugs.

Claims use since Apr. 23, 1924.

Ser. No. 196,766. (CLASS 39. CLOTHING.) SOLOMON SCHLEISNER, doing business as Schleisner Co., Baltimore, Md. Filed May 8, 1924.

FINESSE

Particular description of goods.—Hosiery.

Claims use since Feb. 11, 1924.

Ser. No. 196,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMER E. SHAFER, Garrison, Iowa. Filed May 8, 1924.

COPPERINE

Particular description of goods.—Liquid Welding Flux Preparation.

Claims use since Mar. 24, 1924.

Ser. No. 196,783. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ABSORBENT PRODUCTS CORPORATION, New York, N. Y. Filed May 9, 1924.

DOVALS

Particular description of goods.—Absorbent Fabrics.

Claims use since Mar. 1, 1924.

Ser. No. 196,794. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DAVIS ENGINEERING CORPORATION, Wilmington, Del., and Elizabeth, N. J. Filed May 9, 1924.

Comparacoil

Particular description of goods.—Combination Gas and Water Heaters.
Claims use since Oct. 10, 1922.

Ser. No. 196,799. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FERRY CAP & SET SCREW CO., Cleveland, Ohio. Filed May 9, 1924.

NO-SOUN

Particular description of goods.—Shackle-Bolt Nuts.
Claims use since July 1, 1923.

Ser. No. 196,805. (CLASS 39. CLOTHING.) GREATER MANHATTAN KNITTING MILLS, INC., New York, N. Y. Filed May 9, 1924.

"Raggedy ANN"

Particular description of goods.—Sweaters.
Claims use since Apr. 1, 1924.

Ser. No. 196,808. (CLASS 39. CLOTHING.) THE HECHT CO., Washington, D. C., also doing business as The Hub, Baltimore, Md. Filed May 9, 1924.

Rainershine

Particular description of goods.—Men's Suits, Including Coats, Vests, Trousers, and Overcoats.
Claims use since September, 1922.

Ser. No. 196,831. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOUTH SIDE BROOM CO., Chicago, Ill. Filed May 9, 1924.



No claim is made to the word "Broom" apart from the mark as shown or to the representation of the broom in the drawing.
Particular description of goods.—Brooms.
Claims use since April, 1924.

Ser. No. 196,836. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TAYLOR MANUFACTURING COMPANY, INC., Cambridge, Mass. Filed May 9, 1924.

"PLUGFIT" TAYLOR 13

Particular description of goods.—Pistons.
Claims use since Sept. 28, 1922.

Ser. No. 196,837. (CLASS 39. CLOTHING.) SUMNER W. THORPE, Spartanburg, S. C., and Savannah, Ga. Filed May 9, 1924.

THE HAT GARDEN

Particular description of goods.—Ladies' Hats.
Claims use since Feb. 4, 1924.

Ser. No. 196,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILMAR MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 9, 1924.

LUNCHEON

Particular description of goods.—Peanut Butter.
Claims use since about Jan. 1, 1907.

Ser. No. 196,844. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ZUCKER SONS CO., INC., Elizabeth, N. J. Filed May 9, 1924.

PIONEER

Particular description of goods.—Metal-Polishing Rouge.
Claims use since November, 1921.

Ser. No. 196,846. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ANGELUS SANITARY CAN MACHINE COMPANY, Los Angeles, Calif. Filed May 10, 1924.

ANGELUS

Particular description of goods.—Can Machinery—Namely, Double Seamers, Body Makers, Flangers, Slitters, Curlers, Can Straighteners and Can Testers, and Cement Mixers.
Claims use since September, 1910.

Ser. No. 196,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo. Filed May 10, 1924.

ZOLENE

Particular description of goods.—Antiknock Compound for Liquid Motor Fuel.
Claims use since Apr. 1, 1924.

Ser. No. 196,866. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HART SILK COMPANY, San Francisco, Calif. Filed May 10, 1924.

JOAN OF ARC



Particular description of goods.—Textiles in the Piece Composed Wholly of Silk, Wholly of Cotton, Wholly of Wool, Wholly of Artificial Silk, of Silk and Wool, Silk and Artificial Silk, Silk and Cotton, Cotton and Wool, Cotton and Artificial Silk, and Artificial Silk and Wool.
Claims use since Nov. 15, 1912.

Ser. No. 196,871. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. JACOB & SONS, INC., New York, N. Y. Filed May 10, 1924.

MARVLOTEX

Particular description of goods.—Silk and Cotton Mixed Piece Goods, Mercerized Piece Goods and Linings in the Piece Composed of a Mixture of Silk and Cotton.
Claims use since about May 1, 1924.

Ser. No. 196,872. (CLASS 15. OILS AND GREASES.) WALTER J. KEENAN, Cincinnati, Ohio. Filed May 10, 1924.

Go-Devil Gas

In the present application the right to the use of the word "Gas" apart from the mark shown on the drawing is disclaimed.
Particular description of goods.—Motor Fuel.
Claims use since Nov. 15, 1921.

Ser. No. 196,889. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) TAPERITE COMPANY, Chicago, Ill. Filed May 10, 1924.

TAPERITE



Particular description of goods.—Finger Tips for Shaping the Fingers.
Claims use since Oct. 22, 1923.

Ser. No. 196,913. (CLASS 15. OILS AND GREASES.) GENERAL OIL CORPORATION, Birmingham, Ala. Filed May 12, 1924.

Go-Zip

Particular description of goods.—Gasoline and Blended Motor Fuels.
Claims use since Nov. 8, 1923.

Ser. No. 196,919. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y. Filed May 12, 1924.

FALCON BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Licorice Paste.

Claims use since Feb. 29, 1924.

Ser. No. 196,924. (CLASS 39. CLOTHING.) MONOTOCK MFG. CO., Danville, Va. Filed May 12, 1924.

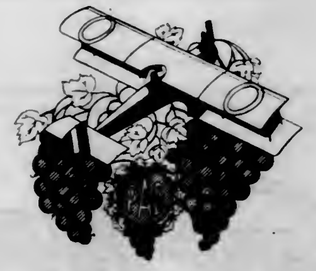
Magnolia Stripes

Particular description of goods.—Men's Suits.

Claims use since Apr. 1, 1924.

Ser. No. 196,928. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. M. PRINCE, Detroit, Mich. Filed May 12, 1924.

PRINCE'S
AERO PLANE
GRAPE JUICE



The words "Grape Juice" are hereby disclaimed apart from the mark shown on the drawing. Drawing is lined for purple.

Particular description of goods.—Grape Juice.

Claims use since Jan. 30, 1924.

Ser. No. 196,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SAN-I-SAL LABORATORIES, INC., Washington, D. C. Filed May 12, 1924.



Particular description of goods.—Weight-Reducing Bath Preparation.

Claims use since Feb. 18, 1923.

Ser. No. 196,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Filed May 12, 1924.

MAPLEKIST

Particular description of goods.—Flavors for Foods.

Claims use since Nov. 27, 1923.

Ser. No. 196,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Filed May 12, 1924.

BLENILLA

Particular description of goods.—Flavors for Foods.

Claims use since Mar. 1, 1923.

Ser. No. 196,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALDEMAR UDE, doing business as Research Pharmaceutical Co., St. Louis, Mo. Filed May 12, 1924.

IVYCIDE



Particular description of goods.—Remedy for the Treatment of Ivy Poisoning.

Claims use since about May 7, 1924.

Ser. No. 196,950. (CLASS 39. CLOTHING.) BELFIT BRASSIERE CO., INC., Brooklyn, N. Y. Filed May 13, 1924.

Belfit

Particular description of goods.—Brassières, Brassière Corsets, and Bandeaux.

Claims use since about December, 1914.

Ser. No. 196,962. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM P. MACMASTERS, Portland, Oreg. Filed May 13, 1924.



Particular description of goods.—Leaders for Fishing Lines.

Claims use since Sept. 1, 1922.

Ser. No. 196,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 13, 1924.

CRESCENT



Particular description of goods.—Sausage, Bacon, Hams, Corned Beef, Bacon Bellies, and Calas.

Claims use since about 1889.

Ser. No. 196,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 13, 1924. Under ten-year proviso.

DUQUESNE

Particular description of goods.—Lard and Bacon.

Claims use since Jan. 31, 1895.

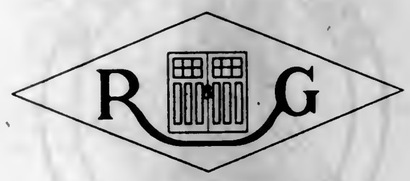
Ser. No. 196,971. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROJO FABIAN & CO., New York, N. Y. Filed May 13, 1924.



Particular description of goods.—Cotton and Woolen Piece Goods.

Claims use since May 1, 1924.

Ser. No. 196,973. (CLASS 12. CONSTRUCTION MATERIALS.) THE ROWE & GILES LUMBER CO., Chagrin Falls, Ohio. Filed May 13, 1924.



No claim is made to the picture of the garage doors.

Particular description of goods.—Miscellaneous Lumber Products—Namely, Garage Doors.

Claims use since May 16, 1924.

Ser. No. 196,989. (CLASS 37. PAPER AND STATIONERY.) STONE AND FORSYTH COMPANY, Boston, Mass. Filed May 13, 1924.



SUNSET MILLS

Particular description of goods.—Paper Crêpe Napkins, Wrapping Papers, and Wrapping Tissue Papers, Not Including Fruit Wrappers.

Claims use since about 1890.

Ser. No. 196,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed May 13, 1924.

Breaks-it

Particular description of goods.—Cold Tablets.
Claims use since January, 1924.

Ser. No. 196,994. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed May 13, 1924.

AKEND

Particular description of goods.—Headache Tablets.
Claims use since January, 1924.

Ser. No. 197,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. REED LINIMENT COMPANY, INC., Portland, Ind. Filed May 14, 1924.



No claim is made to the use of the words "Absorbent Liniment" apart from the mark shown.
Particular description of goods.—Liniment for Use in the Treatment of Horse Ailments.
Claims use since Apr. 21, 1924.

Ser. No. 197,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REX PRODUCTS CO. INC., Los Angeles, Calif. Filed May 14, 1924.

REX

Particular description of goods.—Machines for Making Cream Depositors for Hand-Rolled Centers for Candy and Chocolates.
Claims use since Apr. 1, 1920.

Ser. No. 197,051. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUSSIAN FOOD PRODUCTS COMPANY, INC., New York, N. Y. Filed May 14, 1924.

RUSSOFOOD

Particular description of goods.—Canned Caviar.
Claims use since October, 1923.

Ser. No. 197,052. (CLASS 39. CLOTHING.) CHAS. SARFERT, doing business as Garland Hosiery Mills, Philadelphia, Pa. Filed May 14, 1924.

CHUBBIES

Particular description of goods.—Infants' and Children's Stockings.
Claims use since May 2, 1924.

Ser. No. 197,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD T. YATES, doing business as Yates Chemical Company, Lynchburg, Va. Filed May 14, 1924.

MAGNETIC
SALVE



The word "Salve" is disclaimed disassociated from the mark shown.
Particular description of goods.—Salve for Pneumonia, Severe Chest Colds, Croup, Head Colds, Nasal Catarrh, Bronchitis, Spasmodic Croup, Influenza, Piles, Burns, Wounds, Sprains, and All Surface Inflammation.
Claims use since October, 1922.

Ser. No. 197,070. (CLASS 39. CLOTHING.) GLASER SHOE COMPANY, San Francisco, Calif. Filed May 15, 1924.



Particular description of goods.—Infants' and Children's Shoes of Leather, Canvas, Rubber, and Combinations Thereof.
Claims use since Jan. 2, 1921.

Ser. No. 197,073. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany. Filed May 15, 1924.

Presto

Particular description of goods.—Clocks and Parts Thereof Exclusive of Striking Clocks.
Claims use since Apr. 23, 1923.

Ser. No. 197,077. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES M. HEACOCK, doing business as Lemonclenz Mfg. Co., Los Angeles, Calif. Filed May 15, 1924.



Applicant disclaims the representation of the lemon apart from the mark shown.
Particular description of goods.—Face and Massage Cream, Facial Steams, and Shampoo and a Preparation for Cleansing the Hair and Removing Dandruff.
Claims use since May 1, 1924.

Ser. No. 197,082. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KARLSRUHER KUNSTGEWERBLICHE WERKSTÄTTEN C. F. OTTO MÜLLER G. M. B. H., Karlsruhe, Germany. Filed May 15, 1924.

„Aeroclar"

Particular description of goods.—Electrical Apparatus for Giving Illumination and at the Same Time Vaporizing and Giving Off Liquid Disinfectants, Medicaments, Air-Purifying, Smoke-Consuming, and Like Substances.
Claims use since Feb. 28, 1923.

Ser. No. 197,085. (CLASS 39. CLOTHING.) KOPS BROTHERS, New York, N. Y. Filed May 15, 1924.

Floranne

Particular description of goods.—Corsets, Brassières, and Ladies' Underwear of Textile Fabric.
Claims use since May 1, 1924.

Ser. No. 197,086. (CLASS 39. CLOTHING.) KOPS BROTHERS, New York, N. Y. Filed May 15, 1924.

Delanne

Particular description of goods.—Corsets, Brassières, and Ladies' Underwear of Textile Fabric.
Claims use since May 1, 1924.

Ser. No. 197,090. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

DERBY

Particular description of goods.—Men's and Boys' Riding Breeches.
Claims use since Sept. 10, 1918.

Ser. No. 197,092. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

BRYNMAR

Particular description of goods.—Women's, Misses', and Girls' Riding or Service Breeches.
Claims use since Apr. 15, 1920.

Ser. No. 197,093. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

BOBBY

Particular description of goods.—Ladies', Misses', and Girls' Knickerbockers.
Claims use since Apr. 15, 1922.

Ser. No. 197,100. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOX SEAL CORPORATION, Brooklyn, N. Y. Filed May 15, 1924.

LOX

Particular description of goods.—Pile-Wire Blades.
Claims use since Oct. 1, 1923.

Ser. No. 197,103. (CLASS 39. CLOTHING.) THE MIAMI VALLEY KNITTING MILLS COMPANY, Hamilton, Ohio. Filed May 15, 1924.

Miami

Particular description of goods.—Knit Underwear for Men, Women, and Children.
Claims use since Mar. 19, 1902.

Ser. No. 197,108. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J. Filed May 15, 1924.



The lining is intended to indicate shading and not color.
Particular description of goods.—Textile Fabrics—Namely, Silk, Cotton, Wool, Artificial Silk, and Silk and Cotton Mixtures, Silk and Wool Mixtures, Silk and Artificial-Silk Mixtures, and Combinations of These Fabrics.
Claims use since Apr. 1, 1924.

Ser. No. 197,135. (CLASS 37. PAPER AND STATIONERY.) COMBE PRINTING CO., St. Joseph, Mo. Filed May 16, 1924.

CURRENCY TRUST BOND

No claim is made to the word "Bond" except in connection with the balance of the mark.
Particular description of goods.—Writing Paper.
Claims use since June, 1923.

Ser. No. 197,138. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DEEP DRAWN METAL CORPORATION, Brooklyn, N. Y. Filed May 16, 1924.

BROILET

Particular description of goods.—Meat Broilers.
Claims use since fall of 1921.

Ser. No. 197,139. (CLASS 37. PAPER AND STATIONERY.) EMPIRE PAPER COMPANY, Chicago, Ill. Filed May 16, 1924.

TREASURY BOND

No claim is made to the word "Bond" except in connection with the balance of the mark.
Particular description of goods.—Writing Paper.
Claims use since February, 1913.

Ser. No. 197,142. (CLASS 39. CLOTHING.) BENJAMIN FLIGEL, doing business as Good Form Clothing Co., New York, N. Y. Filed May 16, 1924.

"GOOD FORM"

Particular description of goods.—Outer Clothing for Men and Boys—viz, Raincoats and Overcoats.
Claims use since Oct. 1, 1923.

Ser. No. 197,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRITZSCHE BROTHERS, INC., New York, N. Y. Filed May 16, 1924.

Eff = Bee

Particular description of goods.—Flavoring Extracts for Foods.
Claims use since May 6, 1924.

Ser. No. 197,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KNEFLER-BATES MFG. CO., Indianapolis, Ind. Filed May 16, 1924.

K B

Particular description of goods.—Corn Flour and Maize Flakes.
Claims use since November, 1922.

Ser. No. 197,158. (CLASS 39. CLOTHING.) BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y. Filed May 16, 1924.

Teddy-Ken

Particular description of goods.—Coats, Vests, Trousers, and Overcoats for Juveniles.
Claims use since about Apr. 1, 1924.

Ser. No. 197,174. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED H. SMITH, doing business as D'Enchant Company, Springfield, Mass. Filed May 16, 1924.



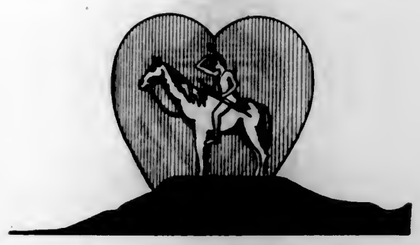
Applicant disclaims exclusive right to the word "Talc," apart from the mark as shown in the drawing.
Particular description of goods.—Complexion Powder.
Claims use since Oct. 10, 1923.

Ser. No. 197,177. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE STIMULADE COMPANY, Savannah, Ga. Filed May 16, 1924.

Stimulade

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since May 7, 1924.

Ser. No. 197,180. (CLASS 39. CLOTHING.) WELL'S CLOTHING CORPORATION, Kansas City, Mo. Filed May 16, 1924.



The lining on drawing indicates red.
Particular description of goods.—Ready-Made Men's and Boys' Clothing, Particularly Suits and Overcoats.
Claims use since May 3, 1924.

Ser. No. 197,202. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed May 17, 1924.

Broadcaster

Particular description of goods.—Mouth Harmonicas.
Claims use since May 8, 1924.

Ser. No. 197,203. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed May 17, 1924.

Radiophone

Particular description of goods.—Mouth Harmonicas.
Claims use since May 8, 1924.

Ser. No. 197,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. MACGLASHAN, Buffalo, N. Y. Filed May 17, 1924.

CREAM-O-LARCH

Particular description of goods.—Baking Powder.
Claims use since May, 1923.

Ser. No. 197,218. (CLASS 39. CLOTHING.) THE POSTMAN COMPANY, INC., New York, N. Y. Filed May 17, 1924.



No claim is made to the words "Quality Beyond Question" apart from the mark shown on the drawing.
Particular description of goods.—Leather Gloves.
Claims use since 1916.

Ser. No. 197,223. (CLASS 37. PAPER AND STATIONERY.) JACK D. SNOW, New York, N. Y. Filed May 17, 1924.



No claim is made to the pen apart from the mark as shown in the drawing. Trade-mark consists of a band of white on the red body of a pen adjacent to but spaced from one end, the band being placed on the cap part of the pen rather than on the body part of the pen.
Particular description of goods.—Stylographic Pens.
Claims use since Apr. 24, 1924.

Ser. No. 197,234. (CLASS 43. THREAD AND YARN.) WORLD THREAD CO., INC., New York, N. Y. Filed May 17, 1924.

ONYX SILK

No claim is made to the word "Silk" apart from the mark shown on the drawing.
Particular description of goods.—Threads.
Claims use since October, 1920.

Ser. No. 197,235. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WRIGHT MANUFACTURING COMPANY, Lisbon, Ohio. Filed May 17, 1924.

WRIGHT
HOIST UNIT

No claim is made to the representation of the hoist and the words "Hoist Unit" apart from the mark shown in the drawing.
Particular description of goods.—Hoists.
Claims use since Feb. 9, 1924.

Ser. No. 197,244. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BEAR CAT HOIST COMPANY, Muskogee, Okla. Filed May 19, 1924.

BEAR CAT

Particular description of goods.—Hoisting Attachments for Tractors.
Claims use since Apr. 1, 1924.

Ser. No. 197,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD F. DALTON, Rockville Centre, N. Y. Filed May 19, 1924.

WEAF

Particular description of goods.—Candy.
Claims use since Apr. 29, 1924.

Ser. No. 197,269. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRENCH COSMETIC MFG. CO. INC., New Rochelle, N. Y. Filed May 19, 1924.

Talcompact

Particular description of goods.—Toilet Powders.
Claims use since November, 1923.

Ser. No. 197,271. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES G. GATLIN, doing business as Endocrine Laboratory, St. Louis, Mo. Filed May 19, 1924.

GLANOLEUM

Particular description of goods.—Medicinal Preparation—Namely, Gland Tonic.
Claims use since Mar. 20, 1924.

Ser. No. 197,291. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLOUGH CHEMICAL COMPANY, doing business as Mme. Ise'Bell's Toilet Mfg. Co., Memphis, Tenn. Filed May 19, 1924.



Trade-mark consists of the words "Mme. Ise'Bell's" combined with a design showing a fanciful representation of a woman's head.
Particular description of goods.—Line of Toilet Preparations—Namely, Perfumes, Toilet Water, Sachet Powder, Talcum Powder, Perspiration Powder, Face Powder, Rouge, Cold Cream, Freckle Cream, Beauty Balm, Hand Whitener, Depilatory, Deodorant, Brilliantine, Eau de Quinine, Bath Salts, Hair Tonic, Camphor Ice, Camphotint, and Liquid Nail Bleach.
Claims use since 1882.

Ser. No. 197,293. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AL. RAY CO., Louisville, Ky. Filed May 19, 1924.

Rayo

Particular description of goods.—Bicycles.
Claims use since 1911.

Ser. No. 197,294. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AL. RAY CO., Louisville, Ky. Filed May 19, 1924.

SPEEDKING

Particular description of goods.—Bicycles.
Claims use since 1913.

Ser. No. 197,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VESTAL CHEMICAL COMPANY, St. Louis, Mo. Filed May 19, 1924.

VESTAL

Particular description of goods.—Disinfectants, Deodorants, Insecticides, Germicides, and Vermin Poisons and Powders.
Claims use since 1916.

Ser. No. 197,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OLD WITCH COMPANY, Pawling, N. Y. Filed May 20, 1924.

OLD WITCH



Particular description of goods.—Ammonia for Household Purposes.
Claims use since Jan. 7, 1924.

Ser. No. 197,342. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SIMPLEX METAL PRODUCTS CORPORATION, New York, N. Y. Filed May 20, 1924.

LOWINS

Particular description of goods.—Table Board Game Played with Dice.
Claims use since Mar. 22, 1924.

Ser. No. 197,346. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH WEISBERGER, doing business as The Wafer Products Co., Jersey City, N. J. Filed May 20, 1924.

ULADON

Particular description of goods.—Preparation for the Treatment of Pyorrhea, Gingivitis; Sensitive, Bleeding, Spongy, or Receding Gums; and Inflamed Conditions of the Mucous Membranes of the Mouth and Throat.
Claims use since Jan. 15, 1924.

Ser. No. 197,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD R. WILLIAMS, doing business as Creative Chemical Company, Pittsburgh, Pa. Filed May 20, 1924.

WATERTONE

Particular description of goods.—Chemical Compound for Preventing and Removing Scale from Boilers and as a Neutralizing and Softening Agent for Water Fed to Boilers.
Claims use since November, 1923.

Ser. No. 197,348. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY C. YOCKEY, doing business as The Phax Company, Zellenople, Pa. Filed May 20, 1924.

PHAX

Particular description of goods.—Laxatives in Solid Form.
Claims use since Feb. 25, 1924.

Ser. No. 197,362. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COAST CHEMICAL COMPANY, Wilmington, Del., and Glendale, Calif. Filed May 21, 1924.

"CALEMICALS"

Particular description of goods.—Pharmaceutical Preparations—Namely, Aspirin, Cinchophen for the Treatment of Gout and Rheumatism, Barbital Hypnotic Soporific; Pyramidon for Migraine and Neuralgia, Diuretin for Nephritis.
Claims use since Apr. 18, 1924.

Ser. No. 197,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLINS-HENCKE CANDY CO., San Francisco, Calif. Filed May 21, 1924.

HA-HA

Particular description of goods.—Candy.
Claims use since Feb. 19, 1924.

Ser. No. 197,366. (CLASS 37. PAPER AND STATIONERY.) C. H. DEXTER & SONS, INC., Windsor Locks, Conn. Filed May 21, 1924.

DEXSTAR

Particular description of goods.—Paper, and Particularly Toilet Paper, Tissue Paper, and Manifold Paper.
Claims use since about Apr. 19, 1924.

Ser. No. 197,367. (CLASS 37. PAPER AND STATIONERY.) C. H. DEXTER & SONS, INC., Windsor Locks, Conn. Filed May 21, 1924.

DEXSTAR

Particular description of goods.—Paper, and Particularly Toilet Paper, Tissue Paper, and Manifold Paper.
Claims use since about Apr. 19, 1924.

Ser. No. 197,371. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE R. HARDESTY MANUFACTURING CO., Denver, Colo. Filed May 21, 1924.

ANCHOR

Particular description of goods.—Culverts and Irrigation Pipe and Gates, Air Pipe, Well Casings, and Flumes, All Constructed of Sheet Iron.
Claims use since March, 1923.

Ser. No. 197,372. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE R. HARDESTY MANUFACTURING CO., Denver, Colo. Filed May 21, 1924.

HARMET H

Particular description of goods.—Sheet Iron and Sheet-Iron Products—Namely, Culverts, Irrigation Pipe, Air Pipe, Well Casings, Flumes, and Irrigation Gates.
Claims use since April, 1924.

Ser. No. 197,400. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 21, 1924.

Amaryllis

Particular description of goods.—Candles.
Claims use since Apr. 22, 1924.

Ser. No. 197,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) P. BEIERSDORF & CO. INC., New York, N. Y. Filed May 22, 1924.

AQUALAN

Particular description of goods.—Base for Ointments.
Claims use since Apr. 16, 1924.

Ser. No. 197,416. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y. Filed May 22, 1924.

Kreemoff

Particular description of goods.—Tissue Paper for Skin-Cleaning Purposes.
Claims use since May 7, 1924.

Ser. No. 197,421. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & CO. INC., Chicago, Ill. Filed May 22, 1924.

NUTOS

Particular description of goods.—Medicinal Preparation Recommended for the Treatment of Rheumatism, Gout, Lame Joints, or Similar Ailments.
Claims use since Apr. 30, 1924.

Ser. No. 197,435. (CLASS 27. HOROLOGICAL INSTRUMENTS.) AARON KAMION, doing business as Kamion Watch Case Co., New York, N. Y. Filed May 22, 1924.

STYLART

Particular description of goods.—Watchcases.
Claims use since about May 19, 1924.

Ser. No. 197,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK A. KOCH, Detroit, Mich. Filed May 22, 1924.



The words "Foot Cream" are disclaimed apart from the drawing shown.

Particular description of goods.—Foot Cream.

Claims use since May 15, 1924.

Ser. No. 197,440. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINDSAY CHAPLET & MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 22, 1924.

YELLOW JACKET

Particular description of goods.—Lawn Rakes.

Claims use since May 7, 1924.

Ser. No. 197,443. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEO NEUMANN, Berlin, Germany. Filed May 22, 1924.

Radiodice

Particular description of goods.—Toy Consisting Essentially of a Cardboard Box with Celluloid Top Plate and Paper Figures in the Box, Which Figures are Made to Dance by Rubbing the Celluloid Top Plate.

Claims use since Sept. 25, 1923.

Ser. No. 197,444. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEO NEUMANN, Berlin, Germany. Filed May 22, 1924.

Radiolette

Particular description of goods.—Toy Consisting Essentially of a Cardboard Box with Celluloid Top Plate and Paper Figures in the Box, Which Figures are Made to Dance by Rubbing the Celluloid Top Plate.

Claims use since Sept. 25, 1923.

Ser. No. 197,455. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MARVIN A. SIMONS, doing business as Simons Punch and Crush Company, Eureka, Calif. Filed May 22, 1924.



The picture is fanciful and not that of a living person.

Particular description of goods.—Nonalcoholic, Maltless Beverages and Sirups for Making the Same.

Claims use since Jan. 18, 1924.

Ser. No. 197,456. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MARVIN A. SIMONS, doing business as Simons Punch and Crush Company, Eureka, Calif. Filed May 22, 1924.



The picture is fanciful and not that of a living person.

Particular description of goods.—Nonalcoholic, Maltless Beverages and Sirups for Making the Same.

Claims use since Jan. 18, 1924.

Ser. No. 197,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRAHAM SANITARIUM, INC., Newark, N. J. Filed May 23, 1924.

NOVOLAX

Particular description of goods.—Laxative and Bowel Regulator.

Claims use since November, 1922.

Ser. No. 197,482. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. I. HALPERIN, Brooklyn, N. Y. Filed May 23, 1924.

Bengalette

Particular description of goods.—Artificial-Silk Piece Goods.

Claims use since May 14, 1924.

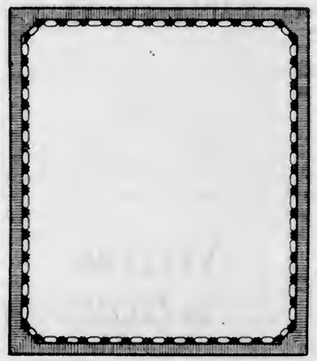
Ser. No. 197,498. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RED HAND COMPOSITIONS COMPANY INC., New York, N. Y. Filed May 23, 1924.

ANACO

Particular description of goods.—Varnish.

Claims use since Apr. 9, 1924.

Ser. No. 197,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 23, 1924.



Particular description of goods.—Mineral Oil for Chemical, Medicinal, and Pharmaceutical Purposes.

Claims use since Nov. 22, 1917.

Ser. No. 197,507. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

WOTTA LIFE! WOTTA LIFE!

Particular description of goods.—Series of Cartoons.

Claims use since on or about Apr. 8, 1923.

Ser. No. 197,514. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

AMONG THE FOLKS IN HISTORY

Particular description of goods.—Series of Cartoons.

Claims use since on or about Apr. 8, 1923.

Ser. No. 197,515. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

OUR SECRET AMBITION

Particular description of goods.—Series of Cartoons.

Claims use since on or about Apr. 8, 1923.

Ser. No. 197,516. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 23, 1924.

NOT A BRAIN CELL WORKIN'

Particular description of goods.—Series of Cartoons.

Claims use since on or about Apr. 8, 1923.

Ser. No. 197,525. (CLASS 2. RECEPTACLES.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed May 24, 1924.



Particular description of goods.—Mothproof Bags.

Claims use since May 1, 1924.

Ser. No. 197,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMFORT MFG. CO., Chicago, Ill. Filed May 24, 1924.

FLAW-GO

Particular description of goods.—Chemical Preparation Suitable for the Treatment of the Skin.

Claims use since May 1, 1924.

Ser. No. 197,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLD + PLUS CORP., New York, N. Y. Filed May 24, 1924.

GOLD+PLUS

Trade-mark consists of the words "Gold + Plus."

Particular description of goods.—Medicinal Compound in Candy or Chewing-Gum Form for the Treatment of Pyorrhea.

Claims use since Nov. 17, 1923.

Ser. No. 197,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed May 24, 1924.

LEMON-ZEST

Particular description of goods.—Imitation-Lemon Flavoring Compound for Use in Foods and Food Products.

Claims use since 1914.

Ser. No. 197,540. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed May 24, 1924.

ORANGE-ZEST

Particular description of goods.—Imitation-Orange Flavoring Compound for Use in Foods and Food Products.
Claims use since 1914.

Ser. No. 197,545. (CLASS 3. BAGGAGE, HORSE EQUIPMENT, PORTFOLIOS, AND POCKETBOOKS.) R. H. MACY & CO., INC., New York, N. Y. Filed May 24, 1924.

DURA-LYTE

"Dura-Lyte."
Particular description of goods.—Trunks and Bags.
Claims use since Apr. 19, 1924.

Ser. No. 197,559. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN C. RAISLEY, New Haven, Conn. Filed May 24, 1924.

RADIAN

Particular description of goods.—Kitchen and Table Knives and Forks Made of Base Metal.
Claims use since June 18, 1923.

Ser. No. 197,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROACH TISDALE & CO., Minneapolis, Minn. Filed May 24, 1924.

Dear Kiss

Particular description of goods.—Chocolate Bars.
Claims use since Dec. 30, 1922.

Ser. No. 197,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIDNEY SIMON, doing business as Moon Products Company, New York, N. Y. Filed May 24, 1924.

DIGEX

Particular description of goods.—Preparation Helpful in the Treatment of Indigestion.
Claims use since May 2, 1924.

Ser. No. 197,564. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING CO. INC., New York, N. Y. Filed May 24, 1924.

YOLANDA

The trade-mark consists of the word "Yolanda."
Particular description of goods.—Hair Nets.
Claims use since Mar. 6, 1924.

Ser. No. 197,568. (CLASS 2. RECEPTACLES.) UNION PAPER COMPANY, New York, N. Y. Filed May 24, 1924.

UNPACO

Particular description of goods.—Paper Cans.
Claims use since Apr. 29, 1924.

Ser. No. 197,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. CASWELL CO., San Francisco, Calif. Filed May 26, 1924.

YELLOW & BLUE

Particular description of goods.—Coffee.
Claims use since 1907.

Ser. No. 197,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. CASWELL CO., San Francisco, Calif. Filed May 26, 1924.

CASWELL'S



The picture shown in the drawing is fanciful.
Particular description of goods.—Coffee.
Claims use since 1907.

Ser. No. 197,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS R. DONELSON, Jr., doing business as The Donelson Company, Memphis, Tenn. Filed May 26, 1924.

BIG DIME

Particular description of goods.—Pancake Flour.
Claims use since Mar. 21, 1924.

Ser. No. 197,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. FIFE, Jacksonville, Fla. Filed May 26, 1924.

Fife's No. 26

Particular description of goods.—Preparation for Treatment of Eczema, Itch, and All Skin Eruptions.
Claims use since 1901.

Ser. No. 197,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEANNE LANVIN, Paris, France. Filed May 26, 1924.



Particular description of goods.—Perfumes.
Claims use since Apr. 1, 1923.

Ser. No. 197,616. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NORRIS MANUFACTURING CO., Columbus, Ohio. Filed May 26, 1924.

"MASTER"

Particular description of goods.—Coin-Operated Vending Machines.
Claims use since May 7, 1924.

Ser. No. 197,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STEVENS LABORATORIES, Oakland, Calif. Filed May 26, 1924.



The picture shown in drawing is fanciful.
Particular description of goods.—Chemical Preparation for Use in the Bath in the Treatment of Rheumatism, Sciatica, Neuritis, Pleurisy, Lumbago, Malaria, Eczema, Neurasthenia, Blood, and Skin Eruptions.
Claims use since Feb. 12, 1924.

Ser. No. 197,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STEVENS LABORATORIES, Oakland, Calif. Filed May 26, 1924.

VIVOCREME

Particular description of goods.—Healing Salve and Antipain Balm.
Claims use since Feb. 12, 1924.

Ser. No. 197,636. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

NoNox

Particular description of goods.—Tire-Chain Adjusters.
Claims use since September, 1920.

Ser. No. 197,637. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

LOXOL

Particular description of goods.—Lock Washers.
Claims use since May, 1923.

Ser. No. 197,638. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

SHURLOX

Particular description of goods.—Lock Washers.
Claims use since May, 1920.

Ser. No. 197,641. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

CHAMPION

Particular description of goods.—Tire-Chain Adjusters.
Claims use since June, 1923.

Ser. No. 197,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed May 27, 1924.

CELLO-SOLVE

Particular description of goods.—Solvents for Gums, Resins, Cellulose Esters, and the Like and for Extracting Essential Oils.
Claims use since May 8, 1924.

Ser. No. 197,657. (CLASS 38. PRINTS AND PUBLICATIONS.) THE COCA-COLA COMPANY, Atlanta, Ga. Filed May 27, 1924.

The Red Barrel

Particular description of goods.—Monthly Publications.
Claims use since Jan. 15, 1924.

Ser. No. 197,669. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUNST & SMALL CO., New York, N. Y. Filed May 27, 1924.

ALL WOOL & HAIR
WULAMO
CLOTH
BRITISH MANUFACTURE

No claim is made to the words "All Wool and Hair, British Manufacture," or the word "Cloth" apart from the mark shown in the drawing, without, however, waiving any common-law rights thereto.
Particular description of goods.—Wool, Wool Cloth, Worsted and Wool, and Haircloth Goods in the Piece.
Claims use since Dec. 1, 1923.

Ser. No. 197,690. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) STANDARD PLATINUM COMPANY, INC., New York, N. Y. Filed May 27, 1924.

ULTRA

Trade-mark consists of the word "Ultra."
Particular description of goods.—Metallic Alloy, Particularly an Alloy for the Production of White Gold.
Claims use since May 15, 1924.

Ser. No. 197,692. (CLASS 37. PAPER AND STATIONERY.) THE TISSUE COMPANY, Saugerties, N. Y. Filed May 27, 1924.

PRINCESS

Particular description of goods.—Crêpe Paper and Paper Napkins.
Claims use since May 2, 1921.

Ser. No. 197,734. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed May 28, 1924.

15

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since Feb. 27, 1911.

Ser. No. 197,735. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed May 28, 1924.

20

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since June 10, 1914.

Ser. No. 197,736. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed May 28, 1924.

55

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since Sept. 26, 1910.

Ser. No. 197,737. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed May 28, 1924.

65

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since Oct. 29, 1909.

Ser. No. 197,738. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed May 28, 1924.

75

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since July 26, 1912.

Ser. No. 197,740. (CLASS 38. PRINTS AND PUBLICATIONS.) FONTAINE FOX, New York, N. Y. Filed May 28, 1924.

TOONERVILLE FOLKS

Particular description of goods.—Series of Cartoons.
Claims use since May 4, 1924.

Ser. No. 197,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKLIN BAKER COMPANY, Hoboken, N. J. Filed May 28, 1924.

BANNER

Particular description of goods.—Prepared Coconut.
Claims use since Jan. 1, 1921.

Ser. No. 197,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKLIN BAKER COMPANY, Hoboken, N. J. Filed May 28, 1924.

SILVER NUGGET

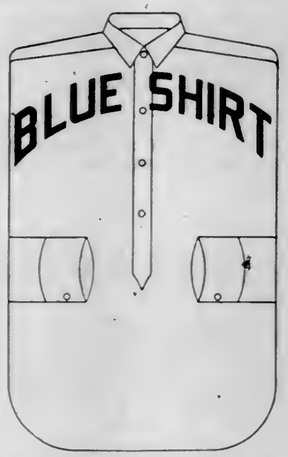
Particular description of goods.—Prepared Coconut.
Claims use since Jan. 1, 1922.

Ser. No. 197,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn. Filed May 28, 1924.

BLUE SHIRT

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since May 15, 1924.

Ser. No. 197,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn. Filed May 28, 1924.



Particular description of goods.—Plain and Self-Rising Flour.
Claims use since May 15, 1924.

Ser. No. 197,767. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NESTOR JOHNSON MFG. CO., Chicago, Ill. Filed May 28, 1924.

"Swift as Wings"

Particular description of goods.—Ice Skates.
Claims use since Apr. 29, 1924.

Ser. No. 197,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Filed May 28, 1924.

SILOX

Particular description of goods.—Toilet Powder.
Claims use since May 9, 1924.

Ser. No. 197,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIG E LABORATORIES, Denver, Colo. Filed May 29, 1924.



The pictures are fanciful.
Particular description of goods.—Hairdressing Compound.
Claims use since Dec. 27, 1923.

Ser. No. 197,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN CRAMPTON AND COMPANY, LIMITED, Manchester, England. Filed May 29, 1924.

LADYRIGHT

Particular description of goods.—Rice Products for Use as Food.
Claims use since June 8, 1923.

Ser. No. 197,806. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GINTER COMPANY, Boston, Mass. Filed May 29, 1924.

GOLDEN ROSE



Particular description of goods.—Grape Juice and Cider.
Claims use since July 5, 1889.

Ser. No. 197,813. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. HAUSER, doing business as H. & G. Products Company, Gowrie, Iowa. Filed May 29, 1924.



Particular description of goods.—Preparation for Driving Away Rats and Other Rodents.
Claims use since about Apr. 1, 1924.

Ser. No. 197,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS J. SHAMEY, doing business as Eatmor Potato Chip Company, Springfield, Mass. Filed May 29, 1924.

EATMOR POTATO CHIPS

No claim is made to the words "Potato Chips" apart from the mark shown.
Particular description of goods.—Potato Chips.
Claims use since Apr. 14, 1921.

Ser. No. 197,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Filed May 29, 1924.

FLUF

Particular description of goods.—Soda Ash (Sodium Compound).
Claims use since Feb. 21, 1924.

Ser. No. 197,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN P. ARDELEAN, Aurora, Ill. Filed May 31, 1924.



J.P. Ardelean.

Trade-mark consists of portrait and facsimile signature of applicant.
Particular description of goods.—Lung Balsam for Use in the Treatment of Coughs, Colds, and Influenza.
Claims use since May 16, 1924.

Ser. No. 197,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH MUSCOLINO, Brooklyn, N. Y. Filed May 31, 1924.

La Famosa

Particular description of goods.—Hair Tonic.
Claims use since May 1, 1924.

Ser. No. 197,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM MERLE NELSON, Modesto, Calif. Filed May 31, 1924.

DON PEDRO

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, Fresh Grapes, Melons, and Fresh Vegetables.
Claims use since Feb. 20, 1924.

Ser. No. 197,899. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed May 31, 1924.

TRADEX

Particular description of goods.—Barrettes.
Claims use since May 2, 1924.

Ser. No. 197,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE S. SMYTH, doing business as Acaricide Laboratories, Chicago, Ill. Filed May 31, 1924.

Acaricide

Particular description of goods.—Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth.
Claims use since May 22, 1924.

Ser. No. 197,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNIE B. KINKADE, Cleveland, Ohio. Filed June 2, 1924.



Particular description of goods.—Hair Grower, Shampoo Cream, and Hair Pressing Oil.
Claims use since about Apr. 1, 1924.

Ser. No. 197,946. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE R. LAMPARTER, Green Lane, Pa. Filed June 2, 1924.



Trade-mark is a facsimile signature of the late Dr. E. Lamparter, applicant's predecessor in business.
Particular description of goods.—Stomach Tonic.
Claims use since May 14, 1924.

Ser. No. 197,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST I. MITCHELL, doing business as The Nu-Del Company, Chicago, Ill. Filed June 2, 1924.

Nu-Del

Particular description of goods.—Cream Depilatory.
Claims use since May 22, 1924.

Ser. No. 197,950. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn. Filed June 2, 1924.

OUR HOME

Particular description of goods.—Brown and Bleached Sheetings, Sheets, and Pillowcases.
Claims use since 1912.

Ser. No. 197,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORCHIDEW CORPORATION, New York, N. Y. Filed June 2, 1924.

ORCHIDEW

Particular description of goods.—Cleansing Skin Lotion.
Claims use since May 1, 1924.

Ser. No. 197,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SORDS PHARMACY CO., doing business as McDonald & Co., Cleveland, Ohio. Filed June 2, 1924.

Vegeto

Particular description of goods.—Headache Powder, Liver Pills, Cold and Grippe Tablets.
Claims use since December, 1886.

Ser. No. 197,972. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERITAS REMEDY CO., Clovis, N. Mex. Filed June 2, 1924.

Veritas

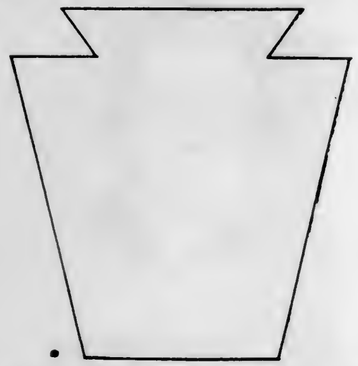
Particular description of goods.—Preparation for the Treatment of Acute and Chronic Catarrhal Affections of the Genito-Urinary System.
Claims use since Jan. 1, 1918.

Ser. No. 197,984. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BARSA CORPORATION, New York, N. Y. Filed June 3, 1924.

JACKSONETTE

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 16, 1923.

Ser. No. 198,003. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KEYSTONE PIECE DYE WORKS, Paterson, N. J. Filed June 3, 1924.



Particular description of goods.—Piece Goods Composed of Silk or an Admixture of Silk and Cotton or of an Admixture of Silk and Wool, Piece Goods Composed of Wool or of an Admixture of Wool and Cotton or of an Admixture of Wool and Silk, Piece Goods Composed of an Admixture of Artificial Silk and Wool or an Admixture of Artificial Silk and Cotton.
Claims use since Mar. 14, 1924.

Ser. No. 198,005. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

BAMAN

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since Feb. 28, 1920.

Ser. No. 198,006. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

GALLANT

The word "Gallant" is printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.
Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since Mar. 3, 1919.

Ser. No. 198,007. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

HARDY PEAR



The words "Hardy Pear" are in gold, as shown in the drawing, and the pears and leaves may be shown in their natural colors.
Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since Mar. 7, 1922.

Ser. No. 198,008. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

HIWAH



The word "Hiwah" is shown in solid red, also a portion of the device, and the border of the device and the interior design are blue, as shown in the drawing
Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since Oct. 17, 1922.

Ser. No. 198,010. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

PAWOOT

The word "Pawoot" is printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.
Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since May 13, 1918.

Ser. No. 198,011. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

PEGASAT

The word "Pegasat" is printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.
Particular description of goods.—Cotton Blankets and Cotton Piece Goods.
Claims use since June 3, 1919.

Ser. No. 198,012. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

SISTER SUE



The figure of the little girl is in red, and the kittens also, forming part of the design, the words "Sister Sue" are in a shade of blue, all as shown in the drawing.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since Apr. 7, 1921.

Ser. No. 198,013. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

TORRENT

The word "Torrent" is printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since Mar. 20, 1922.

Ser. No. 198,014. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

WARRANT

The word "Warrant" is printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since Mar. 3, 1919.

Ser. No. 198,015. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

SILVER TENT

The words "Silver Tent" are printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since June 3, 1919.

Ser. No. 198,016. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

GOLD TENT

The words "Gold Tent" are printed in black—that is, the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since June 3, 1919.

Ser. No. 198,017. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

WHITE TENT

The words "White Tent" are printed in black—that is the letters are filled in in black, as indicated on the drawing, upon which the trade-mark is shown.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since June 3, 1919.

Ser. No. 198,027. (CLASS 43. THREAD AND YARN.) PERI-LUSTA, LIMITED, Leek, England. Filed June 3, 1924.

ESPLEN-D'OR

Particular description of goods.—Artificial-Silk Thread or Yarn.

Claims use since May 22, 1901.

Ser. No. 198,053. (CLASS 2. RECEPTACLES.) GEORGE BORGFELDT & Co., New York, N. Y. Filed June 4, 1924.



Particular description of goods.—Vacuum Bottles.

Claims use since Nov. 16, 1923.

Ser. No. 198,061. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 4, 1924.

FALBALA

Particular description of goods.—Silk Piece Goods.

Claims use since Apr. 17, 1924.

Ser. No. 198,092. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed June 4, 1924.

Superlac

Particular description of goods.—Lacquers.

Claims use since May 1, 1924.

Ser. No. 198,114. (CLASS 2. RECEPTACLES.) CHICAGO BRIDGE & IRON WORKS, Chicago, Ill. Filed June 5, 1924.

HORTONSPHERE

Particular description of goods.—Storage Tanks.

Claims use since May, 1923.

Ser. No. 198,123. (CLASS 2. RECEPTACLES.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924.

SUPREME

Particular description of goods.—Cotton-Picker Sacks.

Claims use since Feb. 15, 1923.

Ser. No. 198,124. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924.

SUPREME

Particular description of goods.—Stockmen's Bed Sheets.

Claims use since Feb. 15, 1923.

Ser. No. 198,154. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass. Filed June 5, 1924.

"Lameen"

Particular description of goods.—Piece Goods Made of Wool.

Claims use since Mar. 11, 1924.

Ser. No. 198,289. (CLASS 15. OILS AND GREASES.) THE FRED G. CLARK COMPANY, Cleveland, Ohio. Filed June 9, 1924.

Pengrade

Particular description of goods.—Lubricating Oils and Greases.

Claims use since about Apr. 7, 1924.

Ser. No. 198,291. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GUSTAV DRESCHER, Halle on the Saale, Germany. Filed June 9, 1924.

VAMPYR

Particular description of goods.—Vacuum Cleaners and Parts Thereof.

Claims use since Feb. 16, 1912.

Ser. No. 198,301. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANTHONY R. FIORITA, Moberly, Mo. Filed June 9, 1924.

WINE DIP

Particular description of goods.—Maltless, Noncereal, Nonalcoholic Beverage Sold as a Soft Drink and the Concentrate for Making the Same.
Claims use since Apr. 1, 1923.

Ser. No. 198,459. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY JOHNSON, doing business as Burgundy Grape Co., New York, N. Y. Filed June 12, 1924.



Particular description of goods.—Grape Juice.
Claims use since on or about Mar. 15, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 22, 1924.

186,486. ELECTRICALLY-HEATED FABRICS, PADS, BLANKETS, GARMENTS, AND FOOTWEAR. THERMOWEVE CORPORATION OF AMERICA, Los Angeles, Calif.
Filed February 7, 1924. Serial No. 191,990. PUBLISHED MAY 6, 1924.

186,487. CHEMICAL NEUTRALIZERS FOR SOUR CREAM FOR USE IN MAKING BUTTER. JESSE J. BORK, doing business as Dairy Chemical Company, Manson, Iowa.
Filed February 11, 1924. Serial No. 192,107. PUBLISHED APRIL 29, 1924.

186,488. FOOD-CAN OPENERS. GEORGE J. MANOOKIAN, Mattapan, Mass.
Filed February 11, 1924. Serial No. 192,137. PUBLISHED MAY 6, 1924.

186,489. CERTAIN NAMED HOUSEHOLD FURNITURE. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn.
Filed February 13, 1924. Serial No. 192,223. PUBLISHED APRIL 29, 1924.

186,490. CERTAIN NAMED HOUSEHOLD FURNITURE. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn.
Filed February 13, 1924. Serial No. 192,224. PUBLISHED APRIL 29, 1924.

186,491. MAYONNAISE DRESSING. WILLIAM J. ENGLISH, Flushing, N. Y.
Filed February 14, 1924. Serial No. 192,248. PUBLISHED APRIL 29, 1924.

186,492. TOWEL BARS, TOILET-PAPER HOLDERS, TOOTHBRUSH HOLDERS, SOAP HOLDERS, AND TUMBLER HOLDERS. HOME ACCESSORIES CORPORATION, Worcester, Mass.
Filed February 19, 1924. Serial No. 192,534. PUBLISHED MAY 6, 1924.

186,493. APPARATUS FOR APPLYING PAINTS AND THE LIKE IN SPRAY FORM. ECLIPSE AIR BRUSH COMPANY, Newark, N. J.
Filed February 20, 1924. Serial No. 192,565. PUBLISHED MAY 6, 1924.

186,494. MECHANICAL CARBURETOR CONTROLS FOR INTERNAL-COMBUSTION ENGINES. EARL W. TURNER, doing business as Turner Manufacturing Company, Kokomo, Ind.
Filed February 20, 1924. Serial No. 192,588. PUBLISHED MAY 6, 1924.

186,495. MILKING MACHINES AND THE PARTS THEREOF AND VACUUM PUMPS. D. H. BURRELL & CO., INC., Little Falls, N. Y.
Filed February 21, 1924. Serial No. 192,596. PUBLISHED MAY 6, 1924.

186,496. BABCOCK TESTERS, BABCOCK TEST OUTFITS, MILK TESTERS, TEST-BOTTLE SHAKERS, HOT-WATER BATH AND SHAKING RACKS. D. H. BURRELL & CO., INC., Little Falls, N. Y.
Filed February 21, 1924. Serial No. 192,597. PUBLISHED MAY 6, 1924.

186,497. ALIMENTARY PASTES. KANSAS CITY MACARONI & IMPORTING CO., Kansas City, Mo.
Filed February 21, 1924. Serial No. 192,622. PUBLISHED APRIL 29, 1924.

186,498. SERIES OF CARTOONS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed February 23, 1924. Serial No. 192,661. PUBLISHED APRIL 29, 1924.

186,499. MONTHLY MAGAZINE. BLANCHARD PRESS, INC., New York, N. Y.
Filed February 23, 1924. Serial No. 192,668. PUBLISHED APRIL 29, 1924.

186,500. HOUSE ORGAN PUBLISHED MONTHLY AND AT OTHER INTERVALS. W. LEWIS AND COMPANY, Champaign, Ill.
Filed February 25, 1924. Serial No. 192,773. PUBLISHED APRIL 29, 1924.

186,501. SERIES OF ILLUSTRATIONS. W. LEWIS AND COMPANY, Champaign, Ill.
Filed February 25, 1924. Serial No. 192,774. PUBLISHED APRIL 29, 1924.

186,502. IMPROVED PORTABLE APPARATUS FOR PRODUCING AND APPLYING ELECTRIC CURRENTS OF LOW FREQUENCY AND HIGH VOLTAGE FOR THERAPEUTIC PURPOSES. DR. LUIGI MARTIGNONI, Genoa, Italy.
Filed February 26, 1924. Serial No. 192,850. PUBLISHED MAY 6, 1924.

186,503. MATTRESSES OF HAIR, FLOSS, COTTON, OR SPRING TYPE. WILLIAM THOSHINSKY, San Francisco, Calif.
Filed February 27, 1924. Serial No. 192,941. PUBLISHED APRIL 29, 1924.

186,504. CERTAIN PUBLICATIONS PUBLISHED MONTHLY. DAVID GANELES, New York, N. Y.
Filed February 28, 1924. Serial No. 192,970. PUBLISHED APRIL 29, 1924.

186,505. HANGER INSERTS AND FURRING INSERTS. THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio.
Filed February 28, 1924. Serial No. 192,972. PUBLISHED MAY 6, 1924.

186,506. CLOTHING. QUINN-MARSHALL COMPANY, Lynchburg, Va.
Filed December 22, 1923. Serial No. 190,030. PUBLISHED MAY 6, 1924.

186,507. NECKTIES. GRIP BOW TIE COMPANY, Omaha, Nebr.
Filed November 24, 1923. Serial No. 188,839. PUBLISHED MAY 6, 1924.

186,508. CAKE. BARNA CO. INC., New York, N. Y.
Filed February 29, 1924. Serial No. 193,020. PUBLISHED MAY 6, 1924.

186,509. COCOA, PREPARED MUSTARD, SWEET PICKLES, SOUR PICKLES, DILL PICKLES, SWEET MIXED PICKLES, COFFEE, TEA, SPICES, OLIVES, FRUIT JAMS, FRUIT JELLIES, PEARL BARLEY, CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, AND SIRUP FOR FOOD PURPOSES. SYMONS-MOFFETT CO., Flint, Mich.
Filed February 16, 1924. Serial No. 192,446. PUBLISHED MAY 6, 1924.

186,510. CANNED VEGETABLES—NAMELY, TOMATOES, CORN, SAUERKRAUT, PEAS, MINCEMEAT, SPAGHETTI, AND MACARONI WIMBERLEY GROCER COMPANY, Jonesboro, Ark.
Filed February 8, 1924. Serial No. 192,048. PUBLISHED MAY 6, 1924.

186,511. CERTAIN NAMED FOODS. WILLIAM J. LAWTHER, doing business as W. J. Lawther Mills, Dallas, Tex.
Filed February 8, 1924. Serial No. 192,026. PUBLISHED MAY 6, 1924.

186,512. OVERCOATS, JACKETS, AND SUITS. THEXTON & WRIGHT, LIMITED, London, England.
Filed February 4, 1924. Serial No. 191,794. PUBLISHED MAY 6, 1924.

186,513. CORSETS, BRASSIÈRES, BUST SUPPORTERS, SUSPENDERS, GARTERS, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS. INC., New York, N. Y.
Filed January 25, 1924. Serial No. 191,270. PUBLISHED MAY 6, 1924.

186,514. SWEATERS. PROSPECT SALES CO., New York, N. Y.
Filed January 10, 1924. Serial No. 190,651. PUBLISHED MAY 6, 1924.

186,515. TREATED FIBROUS MATERIAL FOR POLISHING METALS. FRED MYER, Mason City, Iowa.
Filed December 31, 1923. Serial No. 190,308. PUBLISHED APRIL 29, 1924.

186,516. LADIES' KNITTED UNDERWEAR—NAMELY, KNICKERS AND VESTS. BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY LIMITED, London, England, (now by change of name British Celanese Limited), assignor to The American Cellulose & Chemical Manufacturing Company, Ltd., New York, N. Y., a Corporation of Delaware.
Filed October 15, 1923. Serial No. 186,976. PUBLISHED MAY 6, 1924.

186,517. LADIES' VESTS, CHEMISES, BLOOMERS, STEP-INS, AND NIGHTGOWNS. DAVID I. SALOMON, doing business as Davel Knitting Mills, Yonkers, N. Y.
Filed October 1, 1923. Serial No. 186,449. PUBLISHED MAY 6, 1924.

186,518. DAIRY FEED. QUISENBERRY FEED MFG. CO., Kansas City, Mo.
Filed July 9, 1923. Serial No. 182,995. PUBLISHED MAY 6, 1924.

186,519. NECKTIES. BEN GOLD, New York, N. Y.
Filed May 4, 1923. Serial No. 180,178. PUBLISHED MAY 6, 1924.

186,520. CHILDREN'S NIGHTGOWNS, SHIRTS, DRESSES, KIMONOS, BABY BUNTINGS, SWEATERS, AND SACKS. MILDRED C. ALLEN, doing business as Mildred C. Allen & Co., Highland Park, Ill.
Filed April 30, 1923. Serial No. 179,915. PUBLISHED MAY 6, 1924.

186,521. CANDY. JOHN W. SURBRUG, doing business as Surbrug Chocolate Corporation, New York, N. Y.
Filed January 5, 1923. Serial No. 174,220. PUBLISHED DECEMBER 11, 1923.

186,522. CERTAIN NAMED FOODS. LIBBY, MCNEILL & LIBBY, Chicago, Ill.
Filed January 4, 1923. Serial No. 174,172. PUBLISHED MAY 6, 1924.

186,523. MALT SIRUP AND FLAVORS FOR FOOD PURPOSES. HERMAN F. DRUMMOND, Milwaukee, Wis.
Filed December 30, 1922. Serial No. 174,000. PUBLISHED MAY 6, 1924.

186,524. WOMEN'S DRESSES OF NON-WATER-SHEDDING MATERIAL. PEARL A. SANS, San Francisco, Calif.
Filed September 21, 1922. Serial No. 169,782. PUBLISHED MAY 6, 1924.

186,525. KNITTED WORSTED DRESSES AND LADIES' SUITS AND MEN'S SPORT COATS AND PANTS. WILEY-BICKFORD-SWEET COMPANY, Worcester, Mass.
Filed September 5, 1922. Serial No. 169,105. PUBLISHED MAY 6, 1924.

186,526. OUTER SHIRTS FOR MEN, WOMEN, BOYS, AND GIRLS. MARCUS BREIER'S SONS, New York, N. Y.
Filed February 29, 1924. Serial No. 193,025. PUBLISHED MAY 6, 1924.

186,527. LADIES' COATS, SUITS, AND WRAPS. EDWARD KOLBERT & SONS, New York, N. Y.
Filed March 3, 1924. Serial No. 193,181. PUBLISHED MAY 6, 1924.

186,528. MEN'S SUITS. WEBER & HEILBRONER, New York, N. Y.
Filed March 3, 1924. Serial No. 193,201. PUBLISHED MAY 6, 1924.

186,529. CHILDREN'S KNITTED WAISTS AND WAIST SUITS. THE CAMPE CORPORATION, New York, N. Y.
Filed March 4, 1924. Serial No. 193,213. PUBLISHED MAY 6, 1924.

186,530. SWEATERS AND KNIT GOODS—NAMELY, TOQUES SCARFS, AND SHAWLS. CARTER DRY GOODS CO., Louisville, Ky.
Filed March 7, 1924. Serial No. 193,384. PUBLISHED MAY 6, 1924.

186,531. BAKERY PRODUCTS—NAMELY, BREAD, ROLLS, CAKES, AND PIES. AN-JO BAKERY, Jacksonville, Fla.
Filed March 10, 1924. Serial No. 193,493. PUBLISHED MAY 6, 1924.

186,532. EXTRACTS FOR FOOD-FLAVORING PURPOSES. JOANNES BROTHERS COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,594. PUBLISHED MAY 6, 1924.

186,533. EXTRACTS FOR FOOD-FLAVORING PURPOSES. JOANNES BROTHERS COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,595. PUBLISHED MAY 6, 1924.

186,534. EXTRACTS FOR FOOD-FLAVORING PURPOSES. JOANNES BROTHERS COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,596. PUBLISHED MAY 6, 1924.

186,535. EXTRACTS FOR FOOD-FLAVORING PURPOSES. JOANNES BROTHERS COMPANY, Los Angeles, Calif.
Filed March 11, 1924. Serial No. 193,597. PUBLISHED MAY 6, 1924.

186,536. MALT SIRUP FOR FOOD PURPOSES. TABLE QUEEN PRODUCTS COMPANY, St. Louis, Mo.
Filed March 11, 1924. Serial No. 193,638. PUBLISHED MAY 6, 1924.

186,537. TEXTILE NIGHTSHIRTS, NIGHTGOWNS, AND PYJAMAS TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN AND BEACH ROBES. FAULTLESS NIGHTWEAR CORPORATION, (E. ROSENFELD & CO.), Baltimore, Md.
Filed March 12, 1924. Serial No. 193,667. PUBLISHED MAY 6, 1924.

186,538. SWEATERS FOR MEN, BOYS, WOMEN, AND CHILDREN. MANHATTAN KNITTING MILLS, INC., New York, N. Y.
Filed March 13, 1924. Serial No. 193,718. PUBLISHED MAY 6, 1924.

186,539. FLOUR, CORN MEAL, BRAN, AND FLAKED WHEAT. J. J. BARTHOLOMEW & SON, INC., Vernon, N. Y.
Filed March 14, 1924. Serial No. 193,752. PUBLISHED MAY 6, 1924.

186,540. CANNED VEGETABLES, CANNED FRUITS, AND MACARONI. EAST SIDE WHOLESALE GROCERY CO., East St. Louis, Ill.
Filed March 17, 1924. Serial No. 193,907. PUBLISHED MAY 6, 1924.

186,541. BAKERY PRODUCTS—NAMELY, BISCUITS. INDEPENDENT BAKING COMPANY, Davenport, Iowa.
Filed March 21, 1924. Serial No. 194,191. PUBLISHED MAY 6, 1924.

186,542. SANITARY NAPKINS, SANITARY BELTS, SANITARY DRESS PROTECTORS, AND SANITARY GAUZE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,174. PUBLISHED MAY 6, 1924.

186,543. DENTAL BURS. JENNIE RUBIN, doing business as Union Dental Instrument Manufacturing Company, Philadelphia, Pa.
Filed March 20, 1924. Serial No. 194,129. PUBLISHED MAY 6, 1924.

186,544. DENTAL BURS. JENNIE RUBIN, doing business as Union Dental Instrument Manufacturing Company, Philadelphia, Pa.
Filed March 20, 1924. Serial No. 194,128. PUBLISHED MAY 6, 1924.

186,545. CREAMERY BUTTER. LANEY CREAMERY COMPANY, San Antonio, Tex.
Filed March 20, 1924. Serial No. 194,113. PUBLISHED MAY 6, 1924.

186,546. CREAMERY BUTTER. LANEY CREAMERY COMPANY, San Antonio, Tex.
Filed March 20, 1924. Serial No. 194,112. PUBLISHED MAY 6, 1924.

186,547. SHOE LACES, CORSET LACES, BRAIDS, TAPES, AND NARROW ELASTIC WEBBING. THE BURNET COMPANY, St. Louis, Mo., assignor to L. & R. Company, Providence, R. I., a Corporation of Rhode Island.
Filed March 19, 1924. Serial No. 194,048. PUBLISHED APRIL 29, 1924.

186,548. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita and Kansas City, Kans., and Kansas City, Mo.
Filed March 18, 1924. Serial No. 194,017. PUBLISHED MAY 6, 1924.

186,549. PUBLICATIONS ISSUED SEMIMONTHLY. THE BANKERS SUPPLY CO., Denver, Colo., and Chicago, Ill.
Filed March 13, 1924. Serial No. 193,695. PUBLISHED APRIL 29, 1924.

186,550. KNITTING OR CROCHET HOOKS AND NEEDLES. HANNAH O. PERRY, Darien Center, N. Y.
Filed March 12, 1924. Serial No. 193,679. PUBLISHED APRIL 29, 1924.

186,551. BOOKS. HELEN HARRINGTON DOWNING, Chicago, Ill., assignor to Calumet Baking Powder Company, Chicago, Ill., a Corporation of Illinois.
Filed March 12, 1924. Serial No. 193,663. PUBLISHED APRIL 29, 1924.

186,552. MONTHLY PUBLICATION. FAIRMONT RAILWAY MOTORS, INC., Fairmont, Minn.
Filed March 11, 1924. Serial No. 193,582. PUBLISHED APRIL 29, 1924.

186,553. SANITARY NAPKINS. DAVIDSON BROS. CO., Sioux City, Iowa.
Filed March 3, 1924. Serial No. 193,158. PUBLISHED MAY 6, 1924.

186,554. TITLE OF A NEWSPAPER COLUMN. NEW YORK TRIBUNE, INC., New York, N. Y.
Filed February 28, 1924. Serial No. 192,995. PUBLISHED APRIL 29, 1924.

186,555. ICE AND HOT-WATER BOTTLES, FOUNTAIN SYRINGES, AND FOOT AND BED WARMERS. MANLEY-NICHOLLS COMPANY, Indianapolis, Ind.
Filed February 28, 1924. Serial No. 192,982. PUBLISHED MAY 6, 1924.

186,556. WHEAT FLOUR. JENSEN & SONS MILLING & GRAIN CO., Nelson, Nebr.
Filed May 6, 1919. Serial No. 118,210. PUBLISHED AUGUST 3, 1920.

186,557. CORN MEAL, MILL FEEDS, CONSISTING OF BRAN MIDDLINGS AND SHIP STUFFS; CRACKED CORN; HORSE, HOG, DAIRY, AND POULTRY FEED. BOLLING LYNN ROBERTSON, doing business as Manassas Feed & Milling Co., Manassas, Va.
Filed September 12, 1921. Serial No. 152,864. PUBLISHED MARCH 27, 1923.

186,558. EVAPORATED MILK, STERILIZED MILK, DRY OR POWDERED MILK, DRY OR POWDERED SKIMMED MILK, MALTED MILK, AND CREAM. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland.
Filed January 7, 1922. Serial No. 157,623. PUBLISHED APRIL 29, 1924.

186,559. STERILIZED NATURAL MILK. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland.
Filed January 7, 1922. Serial No. 157,624. PUBLISHED APRIL 29, 1924.

186,560. DAIRY AND FOOD PRODUCTS. UNITED FRUIT COMPANY, Boston, Mass.
Filed May 2, 1922. Serial No. 163,243. PUBLISHED NOVEMBER 20, 1923.

186,561. PRINTED PUBLICATION, BULLETIN, OR PAMPHLET PUBLISHED AT IRREGULAR INTERVALS. MANLER CAMPS, INC., New York, N. Y.
Filed September 22, 1922. Serial No. 169,816. PUBLISHED JANUARY 1, 1924.

186,562. CARBURETORS AND PARTS THEREOF. RENÉ TONDEUR, London, England.
Filed September 26, 1922. Serial No. 169,963. PUBLISHED APRIL 29, 1924.

186,563. MOUTH ILLUMINATORS, STRETCHERS, OPERATING TABLES, TOOTH IRRIGATORS, INVALID LIFTS, AND BACK RESTS. F. O. SCHOEDINGER, Columbus, Ohio.
Filed November 17, 1922. Serial No. 172,179. PUBLISHED MAY 6, 1924.

186,564. FANCY GOODS, FURNISHINGS, AND NOTIONS. CALHOUN, ROBBINS & CO., New York, N. Y.
Filed November 18, 1922. Serial No. 172,209. PUBLISHED DECEMBER 18, 1923.

186,565. INTERNAL-COMBUSTION ENGINES, CARBURETORS, OIL AND WATER PUMPS, OIL SYSTEMS FOR MOTOR VEHICLES, MUFFLERS, AND OTHER NAMED PARTS OF MACHINERY. THE WHITE MOTOR COMPANY, Cleveland, Ohio.
Filed December 29, 1922. Serial No. 175,897. PUBLISHED MAY 6, 1924.

186,566. PUBLICATION ISSUED WEEKLY. AMERICAN UNITY PUBLISHING COMPANY, Chicago, Ill.
Filed February 21, 1923. Serial No. 176,394. PUBLISHED APRIL 29, 1924.

186,567. MILKING MACHINES. THE BURTON PAGE COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,071. PUBLISHED MAY 6, 1924.

186,568. PRINTING MACHINES. INTERNATIONAL INTAGLIO CORPORATION, New York, N. Y.
Filed June 29, 1923. Serial No. 182,588. PUBLISHED MAY 6, 1924.

186,569. CAST BEARINGS AND BUSHINGS. STANDARD MOTOR PRODUCTS CO., San Francisco, Calif.
Filed July 3, 1923. Serial No. 182,774. PUBLISHED MAY 6, 1924.

186,570. PULVERIZING MACHINES. SWANN RATCLIFFE & Co. LTD., Brassington, near Wirksworth, England.
Filed July 18, 1923. Serial No. 183,421. PUBLISHED MAY 6, 1924.

186,571. DUNG OR BASIC SLAG FOR AGRICULTURAL AND HORTICULTURAL PURPOSES. COMPTOIR METALLURGIQUE LUXEMBOURGEOIS, Luxemburg, Luxemburg.
Filed July 31, 1923. Serial No. 183,872. PUBLISHED MAY 6, 1924.

186,572. COMPOSITE METAL CASTINGS. THE KINITE COMPANY, Milwaukee, Wis.
Filed August 4, 1923. Serial No. 184,081. PUBLISHED MAY 6, 1924.

186,573. FIRE-EXTINGUISHER APPARATUS. PROTEX CHEMICAL CO., Everett, Pa.
Filed August 28, 1923. Serial No. 185,089. PUBLISHED MAY 6, 1924.

186,574. MALT EXTRACT ADAPTED FOR USE BY BAKERS FOR FOOD PURPOSES. THE AMERICAN DIAMALT COMPANY, Cincinnati, Ohio.
Filed October 5, 1923. Serial No. 186,576. PUBLISHED APRIL 1, 1924.

186,575. MALT EXTRACT ADAPTED FOR USE BY BAKERS FOR FOOD PURPOSES. THE AMERICAN DIAMALT COMPANY, Cincinnati, Ohio.
Filed October 5, 1923. Serial No. 186,577. PUBLISHED APRIL 29, 1924.

186,576. SHOES OF LEATHER. BEASLEY SHOE CO., INC., Lynchburg, Va.
Filed December 7, 1923. Serial No. 189,349. PUBLISHED APRIL 22, 1924.

186,577. CELLULOSE SHEETS OBTAINED BY THE REGENERATION AND TRANSFORMATION OF VISCOSE. DU PONT CELLOPHANE COMPANY, INC., Buffalo, N. Y.
Filed December 28, 1923. Serial No. 190,191. PUBLISHED APRIL 29, 1924.

186,578. CAPS FOR MEN, WOMEN, AND CHILDREN. MORRIS DORF, doing business as Dorf & Company, Baltimore, Md.
Filed January 17, 1924. Serial No. 190,916. PUBLISHED APRIL 29, 1924.

186,579. SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF THE BEFORE-MENTIONED MATERIALS, SUCH AS LEATHER SOLES AND FABRIC UPPERS, RUBBER SOLES AND LEATHER UPPERS, AND RUBBER SOLES AND FABRIC UPPERS. FRED A. EYRE & Co. INC., Brooklyn, N. Y.
Filed January 10, 1924. Serial No. 190,634. PUBLISHED APRIL 29, 1924.

186,580. ROUGH AND FINISHED LUMBER. SOUTHERN HARDWOOD LUMBER COMPANY, St. Louis, Mo.
Filed January 28, 1924. Serial No. 191,416. PUBLISHED APRIL 29, 1924.

186,581. CLOTH OUTER GARMENTS FOR MEN, BOYS, AND WOMEN—NAMELY, COATS, VESTS, PANTS, OVERCOATS, MACKINTOSHES, SWEATERS, AND JACKETS FOR MEN AND BOYS, AND OVERCOATS, JACKETS, SKIRTS, AND MACKINTOSHES FOR WOMEN. NEW YORK MACKINTOSH CLOTHING COMPANY, New York, N. Y.
Filed February 20, 1924. Serial No. 192,577. PUBLISHED APRIL 29, 1924.

186,582. BUILDING TILE, WALL FURRING, FLOOR TILE, BOOK TILE, FLUE LINING, WALL COPING, AND DRAIN TILE. AMERICAN CLAY PRODUCTS COMPANY, INC., Newark, N. J., and New York, N. Y.
Filed February 27, 1924. Serial No. 192,874. PUBLISHED APRIL 29, 1924.

186,583. WOOD TANKS FOR THE TEXTILE INDUSTRY, LEATHER INDUSTRY, CHEMICAL INDUSTRY, THOSE USED IN THE PROCESSING OF STEEL, THE MANUFACTURE OF FOOD PRODUCTS, OF EXPLOSIVES, AND IN ALL OTHER MANUFACTURING PROCESSES WHEREIN WOOD TANKS ARE USED, AS WELL AS FOR FIRE PROTECTION AND WATER STORAGE, IN MANUFACTURING RAILROAD SUPPLY, MINE SUPPLY, AND DOMESTIC PURPOSES. G. WOOLFORD WOOD TANK MFG. COMPANY, Camden, N. J., Philadelphia and Darby, Pa.
Filed February 27, 1924. Serial No. 192,948. PUBLISHED APRIL 22, 1924.

186,584. HOSIERY. CARLEY-RICE CO., Milwaukee, Wis.
Filed February 28, 1924. Serial No. 192,957. PUBLISHED APRIL 29, 1924.

186,585. MIDDLINGS, DAIRY FEED, WHEAT FLOUR, MIXED FEED, MEAL, AND STOCK FEED. CHARLESTON MILLING & PRODUCE COMPANY, Charleston, W. Va.
Filed February 28, 1924. Serial No. 192,960. PUBLISHED APRIL 29, 1924.

186,586. GLUE. RAYMOND I. PANE, doing business as Commercial Glue Co., Chicago, Ill.
Filed February 29, 1924. Serial No. 193,064. PUBLISHED APRIL 22, 1924.

186,587. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1924. Serial No. 193,124. PUBLISHED APRIL 29, 1924.

186,588. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1924. Serial No. 193,125. PUBLISHED APRIL 29, 1924.

186,589. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1924. Serial No. 193,127. PUBLISHED APRIL 29, 1924.

186,590. HOSIERY. A. M. ROBINSON COMPANY, Atlanta, Ga.
Filed March 8, 1924. Serial No. 193,473. PUBLISHED APRIL 29, 1924.

186,591. WOVEN UNDERWEAR FOR BOYS AND GIRLS—VIZ, NAINSOOK COMBINATION GARMENTS. SEXTON MFG. CO., Fairfield, Ill., and New York, N. Y.
Filed March 8, 1924. Serial No. 193,476. PUBLISHED APRIL 29, 1924.

186,592. PLASTIC COMPOSITION FOR STUCCO. ALPHASTONE COMPOSITION WORKS, Los Angeles, Calif.
Filed March 10, 1924. Serial No. 193,489. PUBLISHED APRIL 29, 1924.

186,593. PLASTIC CEMENT OF HIGH-HEAT-RESISTING PROPERTIES. THE ARMSTRONG COMPANY, Detroit, Mich.
Filed March 10, 1924. Serial No. 193,495. PUBLISHED APRIL 29, 1924.

186,594. GINGHAM IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,914. PUBLISHED APRIL 29, 1924.

186,595. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. LEVINSON & SHAPIRO, INC., New York, N. Y.
Filed February 25, 1922. Serial No. 159,802. PUBLISHED NOVEMBER 20, 1923.

186,596. FLUSH VALVES, URINAL VALVES, URINAL SPREADERS, URINAL STRAINERS, SHOWER STRAINERS, MUFFLERS FOR WATER-SUPPLY LINES, AND SHOWER MIXING VALVES. HEDGES & BROTHER, Newark, N. J.
Filed April 6, 1923. Serial No. 178,696. PUBLISHED NOVEMBER 13, 1923.

186,597. FLY SCREENS. THE CINCINNATI FLY SCREEN COMPANY, Cincinnati, Ohio.
Filed February 21, 1924. Serial No. 192,603. PUBLISHED APRIL 29, 1924.

186,598. KNIFE AND SCISSORS SHARPENER. CHARLES K. GOLDBERG, doing business at Greenefield Tool & Hardware Co., New York, N. Y.
Filed February 15, 1924. Serial No. 192,325. PUBLISHED APRIL 29, 1924.

186,599. CIGAR TIPS AND TOBACCO POUCHES. TYER RUBBER COMPANY, Andover, Mass.
Filed February 16, 1924. Serial No. 192,450. PUBLISHED MAY 6, 1924.

186,600. GOLF BALLS. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed February 15, 1924. Serial No. 192,311. PUBLISHED MAY 6, 1924.

186,601. GOLF CLUBS. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed February 15, 1924. Serial No. 192,310. PUBLISHED MAY 6, 1924.

186,602. THERMOMETERS AND HYDROMETERS. WM. HIERGESELL & SONS, New York, N. Y.
Filed February 11, 1924. Serial No. 192,121. PUBLISHED APRIL 29, 1924.

186,603. ARTIFICIAL-SILK PIECE GOODS. THEO. TIEDEMANN & SONS, INC., New York, N. Y.
Filed February 5, 1924. Serial No. 191,855. PUBLISHED March 18, 1924.

186,604. PISTOLS, RIFLES, AND AMMUNITION. D. W. M. ARMS & AMMUNITION CORPORATION, New York, N. Y.
Filed January 28, 1924. Serial No. 191,369. PUBLISHED MAY 6, 1924.

186,605. MEDICAL PREPARATION FOR THE RELIEF OF RHEUMATISM AND RHEUMATIC PAINS. SALVATORE MACRI, doing business as Salv-tine Chemical Company, Hoboken, N. J.
Filed January 4, 1924. Serial No. 190,420. PUBLISHED APRIL 15, 1924.

186,606. ELECTRICAL APPARATUS FOR APPLYING HEAT TO THE SCALP. CALO DOME LABORATORIES, INC., New York, N. Y.
Filed December 29, 1923. Serial No. 190,232. PUBLISHED APRIL 29, 1924.

186,607. PIECE GOODS COMPOSED OF AN ADMIXTURE OF WOOL AND COTTON. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed September 9, 1919. Serial No. 122,465. PUBLISHED MAY 6, 1924.

186,608. MERCERIZED AND PLAIN COTTON THREAD. AARON J. ROTHSTEIN, doing business as Triangle Thread Mills, New York, N. Y.
Filed January 25, 1922. Serial No. 158,450. PUBLISHED MAY 6, 1924.

186,609. BOLTS. THE LAMSON & SESSIONS COMPANY, Cleveland, Ohio.
Filed July 11, 1922. Serial No. 166,745. PUBLISHED FEBRUARY 13, 1923.

186,610. OPHTHALMIC LENSES. R. H. MACY & CO., INC., New York, N. Y.
Filed January 31, 1923. Serial No. 175,362. PUBLISHED APRIL 29, 1924.

186,611. GLASS LAMP SHADES. CHALFIN AND BLASS, doing business as Star Electric Light Shades Co., Malden, Mass., said Chalfin assignor to said Blass.
Filed February 3, 1923. Serial No. 175,463. PUBLISHED MAY 6, 1924.

186,612. LLAMA CLOTH IN THE PIECE. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed February 21, 1923. Serial No. 176,433. PUBLISHED MAY 6, 1924.

186,613. ELECTRIC HEATING PADS. GEORGE RICHARDS & COMPANY, Chicago, Ill.
Filed February 28, 1923. Serial No. 176,762. PUBLISHED APRIL 29, 1924.

186,614. HAND SOAP. MOORE & Co. INC., Worcester, Mass., assignor to Plough Chemical Company, Memphis, Tenn., a Corporation of Delaware.
Filed March 3, 1923. Serial No. 176,907. PUBLISHED NOVEMBER 13, 1923.

186,615. CASHMERE CLOTH IN THE PIECE. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed February 21, 1923. Serial No. 176,432. PUBLISHED MAY 6, 1924.

186,616. BEARING ALLOYS. AMERICAN INJECTOR COMPANY, Detroit, Mich.
Filed December 15, 1922. Serial No. 173,341. PUBLISHED FEBRUARY 6, 1923.

186,617. SCREW DRIVERS, COLD CHISELS, AND PUNCHES. WESTERN TOOL AND FORGE COMANY, Duluth, Minn.
Filed November 24, 1923. Serial No. 188,873. PUBLISHED APRIL 29, 1924.

186,618. CORN-POPPING MACHINES. OASIE S. KEENE, doing business as O. S. Keene Machine Company, Elkhart, Ind.
Filed November 14, 1923. Serial No. 188,312. PUBLISHED APRIL 29, 1924.

186,619. PIG SILK IN THE PIECE. COMPAGNIE-OPTORG, Paris, France.
Filed October 31, 1923. Serial No. 187,725. PUBLISHED MAY 6, 1924.

186,620. DRY-KILN CONTROLLERS, INCLUDING CERTAIN DRY-BULB AND WET-BULB TEMPERATURE-RESPONSIVE DEVICES. THE HUMIDITY CONTROL COMPANY, Indianapolis, Ind.
Filed September 22, 1923. Serial No. 186,061. PUBLISHED APRIL 29, 1924.

186,621. METAL VALVES FOR PIPE LINES, ETC., METAL PIPES, AND METAL PIPE FITTINGS. RESISTO PIPE & VALVE COMPANY, Cambridge, Mass.
Filed September 15, 1923. Serial No. 185,841. PUBLISHED APRIL 29, 1924.

186,622. LATHES, DRILLS, PLANERS, MILLING MACHINES, CUTTERS, SMALL TOOLS, SPECIAL MACHINERY, AND PARTS, AND HANDLES, TOOL HOLDERS, AND WRENCHES THEREFOR. REED PRENTICE CO., Worcester, Mass.
Filed September 4, 1923. Serial No. 185,314. PUBLISHED APRIL 29, 1924.

186,623. SMOKING TOBACCO. J. G. FLYNT TOBACCO CO., Winston-Salem, N. C.
Filed July 9, 1923. Serial No. 182,967. PUBLISHED MAY 6, 1924.

186,624. LINEN PIECE GOODS. HERBERT B. LEDERER CORP., New York, N. Y.
Filed April 27, 1923. Serial No. 179,802. PUBLISHED MAY 6, 1924.

186,625. GOLF, CROQUET, BILLIARD, PYRAMID, SNOOKER, POOL, AND BAGATELLE BALLS AND ANY OTHER BALLS USED ON A BILLIARD, BAGATELLE, OR OTHER SIMILAR TABLE. THE BONZOLINE MANUFACTURING COMPANY LIMITED, London, England.
Filed December 24, 1923. Serial No. 190,077. PUBLISHED MAY 6, 1924.

186,626. GAME KNOWN AS "RUMAZOO," AN EDUCATIONAL GAME PLAYED WITH CARDS HAVING UPON THEIR SURFACE LITHOGRAPHS OF VARIOUS ANIMALS, BIRDS, OR OBJECTS. ALDERMAN, FAIRCHILD COMPANY, Rochester, N. Y.
Filed February 26, 1924. Serial No. 192,811. PUBLISHED MAY 6, 1924.

186,627. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 26, 1924. Serial No. 192,827. PUBLISHED MAY 6, 1924.

186,628. DRINKING GLASSES, BOWLS, AND JARS MADE OF GLASS. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 27, 1924. Serial No. 192,893. PUBLISHED MAY 6, 1924.

186,629. SILK PIECE GOODS. WECHSLER BARBER SILK COMPANY, INC., New York, N. Y.
Filed February 28, 1924. Serial No. 193,011. PUBLISHED MAY 6, 1924.

186,630. KNITTED SILK PIECE GOODS. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,151. PUBLISHED MAY 6, 1924.

186,631. CHANCE GAME WITH A ROTATING INDICATOR. LINCOLN NORCOTT HALL, Chicago, Ill.
Filed March 5, 1924. Serial No. 193,282. PUBLISHED MAY 6, 1924.

186,632. TOY FIGURES. HOWARD R. GARIS, East Orange, N. J.
Filed March 8, 1924. Serial No. 193,453. PUBLISHED MAY 6, 1924.

186,633. CIGARS. E. REGENSBURG & SONS, New York, N. Y.
Filed March 11, 1924. Serial No. 193,625. PUBLISHED MAY 6, 1924.

186,634. STRUCTURAL GLASS. JOSHUA M. RICHARDS, South Boston, Mass.
Filed March 15, 1924. Serial No. 193,858. PUBLISHED MAY 6, 1924.

186,635. DOLLS. M. SILVERMAN & SON, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,864. PUBLISHED MAY 6, 1924.

186,636. DOLLS. M. SILVERMAN & SON, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,865. PUBLISHED MAY 6, 1924.

186,637. DOLLS. M. SILVERMAN & SON, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,866. PUBLISHED MAY 6, 1924.

186,638. TOY FANS. SHULMAN & SONS, New York, N. Y.
Filed March 17, 1924. Serial No. 193,965. PUBLISHED MAY 6, 1924.

186,639. TOY PHONES. SHULMAN & SONS, New York, N. Y.
Filed March 17, 1924. Serial No. 193,967. PUBLISHED MAY 6, 1924.

186,640. DOLLS. MABEL H. SLATER, New York, N. Y.
Filed March 18, 1924. Serial No. 194,027. PUBLISHED MAY 6, 1924.

186,641. SHOES MANUFACTURED FROM LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF THE SAME AND SPATS FOR MEN, WOMEN, AND CHILDREN. JACOB SACKS, doing business as Jac. Sacks, Jersey City, N. J.
Filed June 1, 1922. Serial No. 164,775. PUBLISHED APRIL 22, 1924.

186,642. HOSIERY. THE POWELL KNITTING COMPANY, Philadelphia, Pa.
Filed June 29, 1922. Serial No. 166,252. PUBLISHED JANUARY 30, 1923.

186,643. CONSTRUCTION MATERIALS. THE AUSTIN COMPANY, East Cleveland, Ohio.
Filed December 2, 1922. Serial No. 172,823. PUBLISHED APRIL 29, 1924.

186,644. CHOCOLATE. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,783. PUBLISHED MAY 29, 1923.

186,645. DOLLS. TUT MANUFACTURING COMPANY, Los Angeles, Calif.
Filed April 9, 1923. Serial No. 178,885. PUBLISHED JUNE 19, 1923.

186,646. WOMEN'S AND CHILDREN'S APRONS, DRESSES, HOUSE DRESSES, PORCH FROCKS, AND COATS. LESTER I. BROOKS, doing business as Betty Brooks Apron Co., Los Angeles, Calif.
Filed June 29, 1923. Serial No. 182,561. PUBLISHED DECEMBER 11, 1923.

186,647. STENCIL SHEETS AND COPYING PAPER FOR PENCIL, INK, AND TYPEWRITER. WILHELM KORESKA, Vienna, Austria.
Filed May 2, 1923. Serial No. 180,070. PUBLISHED APRIL 8, 1924.

186,648. COMPOUND FOR DESTROYING BOLL WEEVILS. PHILIPP KOENIG, Cuero, Tex.
Filed September 13, 1923. Serial No. 185,758. PUBLISHED JANUARY 1, 1924.

186,649. CLOTHING. HELENA WHOLESALE DRY GOODS COMPANY, Helena, Ark.
Filed November 13, 1923. Serial No. 188,268. PUBLISHED JANUARY 29, 1924.

186,650. MEN'S HATS. THE DENVER DRY GOODS COMPANY, Denver, Colo.
Filed October 27, 1923. Serial No. 187,566. PUBLISHED APRIL 22, 1924.

186,651. MEN'S HATS. THE DENVER DRY GOODS COMPANY, Denver, Colo.
Filed October 27, 1923. Serial No. 187,568. PUBLISHED APRIL 22, 1924.

186,652. MEN'S HATS. THE DENVER DRY GOODS COMPANY, Denver, Colo.
Filed October 27, 1923. Serial No. 187,567. PUBLISHED APRIL 22, 1924.

186,653. HATS AND HEADGEAR—NAMELY, MEN'S HATS, WOMEN'S HATS, AND CHILDREN'S HATS. M. APFEL & BROS., New York, N. Y.
Filed November 3, 1923. Serial No. 187,909. PUBLISHED APRIL 22, 1924.

186,654. HATS AND CAPS FOR WOMEN AND CHILDREN. THE JOSEPH LAZARUS COMPANY, Cincinnati, Ohio.
Filed November 17, 1923. Serial No. 188,488. PUBLISHED APRIL 22, 1924.

186,655. LEATHER GLOVES AND MITTENS. RIPON KNITTING WORKS, Ripon, Wis.
Filed November 22, 1923. Serial No. 188,704. PUBLISHED APRIL 22, 1924.

186,656. WALLETS FOR PERSONAL USE AND LEATHER CHECK-BOOK COVERS. WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif.
Filed November 22, 1923. Serial No. 188,722. PUBLISHED APRIL 22, 1924.

186,657. CORSETS AND BRASSIÈRES. TRUE FORM CORSET CO., Philadelphia, Pa.
Filed November 24, 1923. Serial No. 188,871. PUBLISHED APRIL 29, 1924.

186,658. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. STANDARD SHOE MAKING CO., Boston, Mass.
Filed November 30, 1923. Serial No. 189,077. PUBLISHED APRIL 29, 1924.

186,659. CERTAIN CHEMICALS AND PHARMACEUTICAL PREPARATIONS. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.
Filed July 16, 1921. Serial No. 150,438. PUBLISHED NOVEMBER 28, 1922.

186,660. DOLLS. WESTERN GROCER COMPANY, Marshalltown, Iowa.
Filed March 21, 1924. Serial No. 194,234. PUBLISHED MAY 6, 1924.

186,661. CIGARETTES. SAMUEL BENADERET, San Francisco, Calif.
Filed March 21, 1924. Serial No. 194,156. PUBLISHED MAY 6, 1924.

186,662. POWDER PUFFS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,334. PUBLISHED MAY 6, 1924.

186,663. POWDER PUFFS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,105. PUBLISHED MAY 6, 1924.

186,664. POWDER PUFFS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,103. PUBLISHED MAY 6, 1924.

186,665. POWDER PUFFS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,101. PUBLISHED MAY 6, 1924.

186,666. GINGER ALE. THE PUREOXIA COMPANY, Boston, Mass.
Filed February 29, 1924. Serial No. 193,067. PUBLISHED MAY 6, 1924.

186,667. BRUSHES—NAMELY, WALL BRUSHES, SCRUBBING BRUSHES, CLOTHES BRUSHES, PAINT, VARNISH, AND WHITEWASH BRUSHES. STAR BRUSH MANUFACTURING CO. INC., Brooklyn, N. Y.
Filed February 27, 1924. Serial No. 192,934. PUBLISHED MAY 6, 1924.

186,668. TOOTHBRUSHES, HAIRBRUSHES, CLOTHES-BRUSHES, SHAVING BRUSHES, BATH BRUSHES, AND HAT BRUSHES. J. C. DOWD & CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,899. PUBLISHED MAY 6, 1924.

186,669. HOUSEHOLD AND STREET PUSH BROOMS AND BRUSHES AND SCRUBBING BRUSHES. BOONE, DICKINSON AND DICKINSON, East Bakersfield, Calif.
Filed February 27, 1924. Serial No. 192,887. PUBLISHED MAY 6, 1924.

186,670. GOLF CLUBS. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed February 15, 1924. Serial No. 192,309. PUBLISHED MAY 6, 1924.

186,671. SIRUP FOR BEVERAGES. LINDSAY FARM BUREAU FRUIT ASSOCIATION, Lindsay, Calif.
Filed February 11, 1924. Serial No. 192,129. PUBLISHED MAY 6, 1924.

186,672. DUST CLOTH. DUSTALL PRODUCTS COMPANY, Dallas, Tex.
Filed February 6, 1924. Serial No. 191,878. PUBLISHED MAY 6, 1924.

186,673. DOLLS. STELLA N. WEBSTER, Los Angeles, Calif.
Filed December 22, 1923. Serial No. 190,040. PUBLISHED MAY 6, 1924.

186,674. CHILDREN'S SWINGS AND GYMNASTIC APPARATUS, SUCH AS TRAPEZE AND SWINGING RINGS. WALTER R. PAXSON, doing business as W. R. Paxson Co., Jenkintown, Pa.
Filed December 22, 1923. Serial No. 190,028. PUBLISHED MAY 6, 1924.

186,675. WHEAT FLOUR. THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y.
Filed November 13, 1923. Serial No. 188,279. PUBLISHED JANUARY 15, 1924

186,676. MALT CEREAL PRODUCT USED IN MAKING BEVERAGES. AMERICAN BURTONIZING COMPANY, AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed March 20, 1923. Serial No. 177,723. PUBLISHED MAY 6, 1924.

186,677. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio.
Filed June 5, 1919. Serial No. 119,239. PUBLISHED FEBRUARY 15, 1921.

186,678. ELECTRICALLY-HEATED FABRICS, PADS, BLANKETS, GARMENTS, AND FOOTWEAR. THERMOWEVE CORPORATION OF AMERICA, Los Angeles, Calif.
Filed February 7, 1924. Serial No. 191,989. PUBLISHED MAY 6, 1924.

186,679. SALAD DRESSING, FRENCH DRESSING, MUSTARD DRESSING, SWEET RELISH COMPOSED OF CHOPPED PICKLES AND VEGETABLES. CYRUS S. GOODYER, Glendale, Calif.
Filed February 7, 1924 Serial No. 191,957. PUBLISHED APRIL 29, 1924.

186,680. CRAVATS AND NECKTIES. LEVY & MARCUS, New York, N. Y., assignors to Levy and Marcus, Inc., a Corporation of New York.
Filed January 26, 1924. Serial No. 191,331. PUBLISHED APRIL 22, 1924.

186,681. PUBLICATIONS—NAMELY, NEWS LETTERS OR BULLETIN. THADDEUS N. SANDIFER, Washington, D. C.
Filed January 22, 1924. Serial No. 191,144. PUBLISHED APRIL 29, 1924.

186,682. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED OYSTERS, AND PURE APPLE-CIDER VINEGAR. E. MARRE & BRO., Oakland, Calif.
Filed January 19, 1924. Serial No. 191,028. PUBLISHED APRIL 29, 1924.

186,683. MANIFOLD LUBRICATORS, LUBRICATOR MANIFOLDS, AND FITTINGS USED IN SYSTEMS OF MANIFOLD LUBRICATION. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed January 19, 1924. Serial No. 191,024. PUBLISHED MAY 6, 1924.

186,684. CABINETS FOR RADIO RECEIVING SETS. BAY VIEW FURNITURE CO., Holland, Mich.
Filed January 19, 1924. Serial No. 190,996. PUBLISHED APRIL 29, 1924.

186,685. MEN'S, WOMEN'S, AND CHILDREN'S GARTER AND HOSE SUPPORTER BUTTONS, PENDANTS, AND COLLETS. AMERICAN NARROW FABRIC COMPANY, Worcester, Mass.
Filed January 17, 1924. Serial No. 109,906. PUBLISHED APRIL 29, 1924.

186,686. THOUSAND ISLAND AND MAYONNAISE DRESSING. O. H. PITKIN, doing business as The Pitkin Company, Kansas City, Mo.
Filed January 16, 1924. Serial No. 190,897. PUBLISHED APRIL 29, 1924.

186,687. CERTAIN NAMED HOUSEHOLD FURNITURE. KELTON AUBAND MANUFACTURING CO., Bay City, Mich.
Filed January 11, 1924. Serial No. 190,688. PUBLISHED APRIL 29, 1924.

186,688. RAZOR-BLADE-GRINDING MACHINES. HANDELSFIRMAET "BELLO" VED HARMS & JENNOW, Copenhagen, Denmark.
Filed January 10, 1924. Serial No. 190,639. PUBLISHED MAY 6, 1924.

186,689. ICE-CREAM CONFECTION. WATSON & AVEN, Little Rock, Ark.
Filed December 27, 1923. Serial No. 190,184. PUBLISHED APRIL 29, 1924.

186,690. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed December 20, 1923. Serial No. 189,944. PUBLISHED MAY 6, 1924.

186,691. HORSES OR AUTOMOBILE SUPPORTS. THE GARAGE UTILITIES CO., Hackensack, N. J.
Filed December 17, 1923. Serial No. 189,773. PUBLISHED APRIL 22, 1924.

186,692. PEPPER SAUCE, GUMBO FILÉ, CAYENNE MILLED PEPPER, AND FISH AND OYSTER SAUCE. EMILE F. RIBBECK, doing business as Kream of the Teche Pepper Factory, New Iberia, La.
Filed December 15, 1923. Serial No. 189,725. PUBLISHED APRIL 29, 1924.

186,693. SLEEVES OF ELASTIC MATERIAL, SUCH AS FIBROUS MATERIAL, FOR SECURING SCREWS, NAILS, HOOKS, POINTED OBJECTS IN METAL, STONE, MARBLE, WOOD, AND HARD MATERIALS OF EVERY KIND. HANS LEOWENSTRIN, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany.
Filed November 27, 1923. Serial No. 188,966. PUBLISHED MAY 6, 1924.

186,694. PUBLICATIONS ISSUED EVERY TWO WEEKS. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed November 16, 1923. Serial No. 188,455. PUBLISHED APRIL 29, 1924.

186,695. PUBLICATIONS ISSUED EVERY TWO WEEKS. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed November 16, 1923. Serial No. 188,453. PUBLISHED APRIL 29, 1924.

186,696. PUBLICATIONS ISSUED EVERY TWO WEEKS. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed November 16, 1923. Serial No. 188,452. PUBLISHED APRIL 29, 1924.

186,697. TOILET-SEAT OPERATING AND CUSHIONING DEVICES. DIAMOND SANILIFT COMPANY, Portland, Oreg.
Filed January 25, 1924. Serial No. 191,262. PUBLISHED MAY 6, 1924.

186,698. CERTAIN NAMED OILS AND GREASES. MARLAND REFINING COMPANY, Ponca City, Okla.
Filed September 23, 1920. Serial No. 137,537. PUBLISHED SEPTEMBER 20, 1921.

186,699. HAIR DRESSINGS FOR THE TREATMENT OF THE HAIR AND SCALP. WYTHE D. SIMS, Birmingham, Ala.
Filed May 23, 1921. Serial No. 148,094. PUBLISHED DECEMBER 18, 1923.

186,700. LADIES' AND CHILDREN'S WOOL, COTTON, AND SILK WASH GARMENTS AND UNDERGARMENTS AND APRONS. GALION GARMENT MANUFACTURING CO., Galion, Ohio.
Filed August 5, 1921. Serial No. 151,454. PUBLISHED MAY 6, 1924.

186,701. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. FRASIER, THORNTON & Co., LIMITED, Cookshire, Quebec, Canada.
Filed September 9, 1921. Serial No. 152,744. PUBLISHED DECEMBER 25, 1923.

186,702. PARATOLUENE-SULPHOCHLORAMINE. LES ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France.
Filed November 7, 1921. Serial No. 155,103. PUBLISHED MAY 6, 1924.

186,703. SALICYL-DIOXY-ISOBUTYRATE OF PROPYL. LES ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France.
Filed November 7, 1921. Serial No. 155,105. PUBLISHED MAY 6, 1924.

186,704. BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. THOMAS G. PLANT COMPANY, Boston, Mass.
Filed December 16, 1921. Serial No. 156,802. PUBLISHED APRIL 29, 1924.

186,705. SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed October 2, 1922. Serial No. 170,178. PUBLISHED FEBRUARY 27, 1923.

186,706. BELTS AND GARTERS FOR MEN'S WEAR. MARTIN AND JOHNSON INC., Boston, Mass.
Filed December 7, 1922. Serial No. 173,052. PUBLISHED MAY 6, 1924.

186,707. FACE POWDERS AND ROUGES, INCLUDING BOTH LOOSE POWDERS AND COMPACTS. LIONEL TRADING CO. INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,511. PUBLISHED APRIL 29, 1924.

186,708. MALTED-MILK BEVERAGE. JOSEPH E. AMEND, Appleton, Wis.
Filed March 5, 1923. Serial No. 176,936. PUBLISHED APRIL 29, 1924.

186,709. COD-LIVER OIL AND COD-LIVER-OIL COMPOUND IN TABLET FORM. MCCOY'S LABORATORIES, INC., New York, N. Y.
Filed March 16, 1923. Serial No. 177,566. PUBLISHED APRIL 8, 1924.

186,710. HAIR-CURLING FLUID. MARGUERITE SULLIVAN, doing business as Domino House, Philadelphia, Pa., assignor to Eugene J. Reefer, and said Marguerite Sullivan, copartners, trading as Domino House, Philadelphia, Pa.
Filed April 9, 1923. Serial No. 178,882. PUBLISHED APRIL 29, 1924.

186,711. TOILET PINS OF NONPRECIOUS METAL. THOMAS B. M. GATES, New York, N. Y.
Filed May 10, 1923. Serial No. 180,427. PUBLISHED JANUARY 1, 1924.

186,712. A CREAM TO BE USED AS A SUNBURN REMEDY AND PREVENTIVE. J. A. WILLIAMS, doing business as Twee Chemical Company, Fort Wayne, Ind.
Filed September 8, 1923. Serial No. 185,546. PUBLISHED APRIL 1, 1924.

186,713. ELASTIC WEBS. GEO. S. COLTON ELASTIC WEB CO., Easthampton, Mass.
Filed September 26, 1923. Serial No. 186,218. PUBLISHED APRIL 22, 1924.

186,714. MEDICINE FOR DOGS AND OTHER ANIMALS HAVING COLDS, FEVERS, DISTEMPER, INFLUENZA, LOSS OF APPETITE OR CONDITION, SKIN COMPLAINTS, OR WORMS. CHARLES SCOTT, London, England.
Filed October 12, 1923. Serial No. 186,935. PUBLISHED APRIL 29, 1924.

186,715. OLIVE OIL. MASPERO & MICHELS, New York, N. Y.
Filed October 25, 1923. Serial No. 187,472. PUBLISHED APRIL 29, 1924.

186,716. WOMEN'S FITTED GARMENTS COMPRISING BRASSIÈRES AND COMBINATIONS. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed November 28, 1923. Serial No. 189,021. PUBLISHED APRIL 29, 1924.

186,717. BOOK ENDS COMPOSED OF CAST METAL. THE GIFT HOUSE, INC., New York, N. Y.
Filed December 6, 1923. Serial No. 189,308. PUBLISHED MAY 13, 1924.

186,718. CANNED VEGETABLES, FISH, AND ANCHOVIES AND PICKLED FISH. HUGH D. CAPRIATA, New York, N. Y.
Filed November 3, 1923. Serial No. 187,911. PUBLISHED MAY 6, 1924.

186,719. CANDY. JUSTUS D. BECKER, Reading, Pa.
Filed November 1, 1923. Serial No. 187,791. PUBLISHED MAY 6, 1924.

186,720. LOCOMOTIVE LUBRICATORS, BRAKE LUBRICATORS, HYDROSTATIVE BULL'S-EYE LUBRICATORS, JOURNAL BEARINGS, ENGINE BEARINGS, CERTAIN INJECTORS AND OIL CUPS, AND COOL SPRINKLERS, BOILER WASHERS AND TESTERS, AND LOCOMOTIVE FIRE EXTINGUISHERS. THE EDNA BRASS MFG. CO., Cincinnati, Ohio.
Filed October 22, 1923. Serial No. 187,304. PUBLISHED MAY 13, 1924.

186,721. CANNED SARDINES. NORSE CROWN CANNING CO., INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,490. PUBLISHED MAY 6, 1924.

186,722. CANNED SARDINES. NORSE CROWN CANNING CO., INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,489. PUBLISHED MAY 6, 1924.

186,723. HAND TOOLS—NAMELY, PIPE WRENCHES AND MONKEY WRENCHES. THE RIDGE TOOL-MACHINE COMPANY, North Ridgeville, Ohio.
Filed July 9, 1923. Serial No. 182,996. PUBLISHED MAY 13, 1924.

186,724. FROZEN CONFECTIONS. INTERNATIONAL SALES COMPANY, Springfield, Mass., assignor to United Sales Corporation of America, Springfield, Mass., a Corporation of Delaware.
Filed May 25, 1923. Serial No. 181,124. PUBLISHED MAY 13, 1924.

186,725. FROZEN CONFECTIONS. INTERNATIONAL SALES COMPANY, Springfield, Mass., assignor to United Sales Corporation of America, Springfield, Mass., a Corporation of Delaware.
Filed May 25, 1923. Serial No. 181,123. PUBLISHED MAY 13, 1924.

186,726. FROZEN CONFECTIONS. INTERNATIONAL SALES COMPANY, Springfield, Mass., assignor to United Sales Corporation of America, Springfield, Mass., a Corporation of Delaware.
Filed May 25, 1923. Serial No. 181,122. PUBLISHED MAY 13, 1924.

186,727. NUTS. NICHOLAS K. CHAPARAS, doing business as The Arrow Nut & Candy Company, New York, N. Y.
Filed April 19, 1923. Serial No. 179,355. PUBLISHED MAY 13, 1924.

186,728. CERTAIN BATHROOM FIXTURES. THE FAIRFACTS COMPANY, INC., New York, N. Y.
Filed April 13, 1923. Serial No. 179,093. PUBLISHED APRIL 29, 1924.

186,729. COFFEE; DRIED BEANS—NAMELY, PINTO BEANS, NAVY BEANS, AND LIMA BEANS; RICE, MUSTARD, ALLSPICE, BLACK PEPPER, CINNAMON, AND MIXED-PICKLE SPICE. LEWIS, HUBBARD AND COMPANY, Charleston, W. Va.
Filed March 13, 1923. Serial No. 177,394. PUBLISHED MAY 6, 1924.

186,730. FASTENING DEVICES FOR PREPARED ROOFING. WILLIAM H. WOERHEIDE, INC., New York, N. Y.
Filed February 28, 1923. Serial No. 176,777. PUBLISHED MAY 13, 1923.

186,731. FRESH MEATS—NAMELY, BEEF, PORK, MUTTON, AND VEAL. EDWARD SMITH PACKING CO., Buffalo, N. Y.
Filed February 1, 1923. Serial No. 175,410. PUBLISHED MAY 6, 1924.

186,732. FRESH COCONUTS, FRESH AND CANNED GRAPEFRUIT, GREEN GINGER, DRIED GINGER, FRESH ORANGES, FRESH ALLIGATOR PEARS, FRESH AND CANNED PINEAPPLES, AND FRESH AND CANNED TOMATOES. ALICE M. MILLER, doing business as Porto Rican Products Company, Baltimore, Md.
Filed January 16, 1923. Serial No. 174,666. PUBLISHED MAY 13, 1924.

186,733. OLIVE OIL. F. G. ARATA, Portland, Oreg.
Filed January 10, 1923. Serial No. 174,381. PUBLISHED MAY 13, 1924.

186,734. CANNED VEGETABLES. THE IDAHO CANNING COMPANY, LIMITED, Payette, Idaho.
Filed November 25, 1922. Serial No. 172,536. PUBLISHED MAY 6, 1924.

186,735. CANDIES. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed October 25, 1922. Serial No. 171,184. PUBLISHED MAY 6, 1924.

186,736. MINCEMEAT. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed September 26, 1922. Serial No. 169,958. PUBLISHED MAY 6, 1924.

186,737. CANNED FRUITS, CANNED FISH, JELLIES, JAMS, AND FRUIT BUTTERS. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 25, 1921. Serial No. 154,560. PUBLISHED MAY 6, 1924.

186,738. CANDIES. MARY CHONTRELLE ARMSTRONG, New York, N. Y.
Filed April 5, 1924. Serial No. 195,041. PUBLISHED MAY 13, 1924.

186,739. FRESH GRAPES. A. B. HUMPHREY, Escalon, Calif.
Filed April 2, 1924. Serial No. 194,869. PUBLISHED MAY 13, 1924.

186,740. CANDY. MADELEINE, Red Bank, N. J.
Filed March 27, 1924. Serial No. 194,558. PUBLISHED MAY 13, 1924.

186,741. WEEKLY NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed March 26, 1924. Serial No. 194,443. PUBLISHED MAY 13, 1924.

186,742. FRESH VEGETABLES, FRESH DECIDUOUS FRUITS. WALLACE M. FEWEL, Centerville, Calif.
Filed March 26, 1924. Serial No. 194,443. PUBLISHED MAY 13, 1924.

186,743. BIRDSEED. J. OLIVER JOHNSON, INC., Chicago, Ill.
Filed March 24, 1924. Serial No. 194,354. PUBLISHED MAY 13, 1924.

186,744. CANDY. U. R. S. CANDY STORES, INC., Long Island City, N. Y.
Filed March 22, 1924. Serial No. 194,309. PUBLISHED MAY 6, 1924.

186,745. GINGHAM IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,176. PUBLISHED MAY 13, 1924.

186,746. GINGHAM IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,175. PUBLISHED MAY 13, 1924.

186,747. DENTAL BURS. JENNIE RUBIN, doing business As Union Dental Instrument Mfg. Co., Philadelphia, Pa.
Filed March 20, 1924. Serial No. 194,127. PUBLISHED MAY 13, 1924.

186,748. FRESH CITROUS FRUITS. LAKELAND HIGHLANDS CITRUS GROWERS ASS'N., Haskell, Fla.
Filed March 20, 1924. Serial No. 194,111. PUBLISHED MAY 6, 1924.

186,749. OLIVE OIL. GUIDO CELSI, Portland, Oreg.
Filed March 17, 1924. Serial No. 193,899. PUBLISHED MAY 6, 1924.

186,750. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,819. PUBLISHED MAY 6, 1924.

186,751. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,816. PUBLISHED MAY 6, 1924.

186,752. FRESH ASPARAGUS AND LETTUCE. SING WO KEE CO., San Francisco, Calif.
Filed March 14, 1924. Serial No. 193,787. PUBLISHED MAY 6, 1924.

186,753. CLEANING POWDER. CECIL G. S. YOUNG, doing business as C. G. S. Young Company, Foxboro, Mass.
Filed March 13, 1924. Serial No. 193,745. PUBLISHED MAY 13, 1924.

186,754. WINDOW-CLEANING COMPOUND. EDWIN B. SMITH, Jr., doing business as Ever-Glow Company, Cleveland, Ohio.
Filed March 13, 1924. Serial No. 193,735. PUBLISHED MAY 13, 1924.

186,755. PASTE CLEANER FOR ENAMELED WOODWORK AND FURNITURE, SILVERWARE, ALL POLISHED METALS, PORCELAIN, TILE, MARBLE, GLASS, AND MIRRORS. CLEN-SO COMPANY, Shreveport, La.
Filed March 11, 1924. Serial No. 193,575. PUBLISHED MAY 13, 1924.

186,756. PASTE HAND CLEANSER. ALBERT G. SPRONG doing business as Sprong Products Co., Flint, Mich.
Filed March 10, 1924. Serial No. 193,548. PUBLISHED MAY 13, 1924.

186,757. SEWING MACHINES AND ATTACHMENTS, INCLUDING TRANSMISSIONS THEREOF. MAUSER-WERKE AKTIENGESELLSCHAFT, Oberndorf-on-the-Neckar, Germany.
Filed March 8, 1924. Serial No. 193,468. PUBLISHED MAY 13, 1924.

186,758. CANDY — NAMELY, CHOCOLATE-COATED CREAM CANDIES. MATRIX CANDY CORPORATION, New York, N. Y.
Filed March 7, 1924. Serial No. 193,408. PUBLISHED MAY 6, 1924.

186,759. ROAD MACHINES, PARTICULARLY COMBINED ROAD ROLLERS, MAINTAINERS, AND SCARIFIERS. AUSTIN MANUFACTURING CO., Chicago, Ill.
Filed March 7, 1924. Serial No. 193,377. PUBLISHED MAY 13, 1924.

186,760. WASHING POWDERS, SOAPS, AND CLEANSING PREPARATIONS. KENDALL MANUFACTURING COMPANY, Providence, R. I.
Filed March 6, 1924. Serial No. 193,338. PUBLISHED MAY 6, 1924.

186,761. BUTTER. LEWIS, MEARS COMPANY, Boston, Mass.
Filed March 22, 1924. Serial No. 194,277. PUBLISHED MAY 13, 1924.

186,762. BUTTER, CHEESE, AND EGGS. LEWIS, MEARS COMPANY, Boston, Mass.
Filed March 22, 1924. Serial No. 194,278. PUBLISHED MAY 13, 1924.

186,763. LADIES' SKIRTS. A. BELLER & CO., New York, N. Y.
Filed March 19, 1924. Serial No. 194,043. PUBLISHED MAY 13, 1924.

186,764. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. HARRY W. ANTHONY, Strausstown, Pa.
Filed March 21, 1924. Serial No. 194,153. PUBLISHED MAY 13, 1924.

186,765. LADIES' MERCERIZED SEAMLESS STOCKINGS. FINCH, VAN SLYCK & MCCONVILLE, St. Paul, Minn.
Filed March 21, 1924. Serial No. 194,178. PUBLISHED MAY 13, 1924.

186,766. FRESH CITROUS FRUITS. KISSIMMEE CITRUS GROWERS' ASSOCIATION, Kissimmee, Fla.
Filed March 21, 1924. Serial No. 194,195. PUBLISHED MAY 6, 1924.

186,767. HOSIERY FOR MEN, WOMEN, CHILDREN, AND INFANTS. KNOXVILLE KNITTING MILLS CO., Knoxville, Tenn.
Filed March 21, 1924. Serial No. 194,196. PUBLISHED MAY 13, 1924.

186,768. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita, and Kansas City, Kans., and Kansas City, Mo.
Filed March 22, 1924. Serial No. 194,281. PUBLISHED MAY 13, 1924.

186,769. WHEAT FLOUR. SCHULTZ, BAUJAN & CO., Beardstown, Ill.
Filed March 22, 1924. Serial No. 194,305. PUBLISHED MAY 13, 1924.

186,770. BIRD FOOD—NAMELY, A MIXTURE OF SEEDS AND OTHER FOODS. J. OLIVER JOHNSON, INC., Chicago, Ill.
Filed March 24, 1924. Serial No. 194,353. PUBLISHED MAY 13, 1924.

186,771. CANDY AND NUT CONFECTION. QUEEN ANNE CANDY COMPANY, Seattle, Wash.
Filed March 24, 1924. Serial No. 194,374. PUBLISHED MAY 13, 1924.

186,772. MEN'S AND BOYS' OVERCOATS, COATS, VESTS, TROUSERS, AND RAINCOATS. DAVID GLICKSMAN, New York, N. Y.
Filed March 26, 1924. Serial No. 194,444. PUBLISHED MAY 13, 1924.

186,773. POULTRY FEEDS, ESPECIALLY LAYING MASH, SCRATCH GRAINS, AND GROWING FEED. H. C. PUFFER COMPANY, Springfield, Mass.
Filed March 28, 1924. Serial No. 194,617. PUBLISHED MAY 13, 1924.

186,774. CREAM CHEESE. THE PARAMOUNT CREAM CHEESE CO., New York, N. Y.
Filed March 29, 1924. Serial No. 194,658. PUBLISHED MAY 13, 1924.

186,775. RAINCOATS. CAMBRIDGE RUBBER COMPANY, Cambridge, Mass.
Filed January 4, 1924. Serial No. 190,402. PUBLISHED MAY 6, 1924.

186,776. NEGLIGEE AND WORK SHIRTS, PANTS, TEXTILE UNDERWEAR OF ONE AND TWO PIECE FOR MEN AND WOMEN, MEN'S AND BOYS' SUITS OF ONE, TWO, AND THREE PIECES, AND KNICKERS. NEUSTADTER BROS., San Francisco, Calif.
Filed January 14, 1924. Serial No. 190,804. PUBLISHED MAY 13, 1924.

186,777. PREPARATION FOR USE IN HAIR DRESSING AND FOR THE TREATMENT OF THE SCALP. J. W. KLECKNER, Cloquet, Minn.
Filed January 15, 1924. Serial No. 190,842. PUBLISHED MAY 6, 1924.

186,778. TOILET POWDERS, ROUGES, FACE CREAMS, AND LOTIONS. COLLINS-KIRK, INC., Chicago, Ill.
Filed January 19, 1924. Serial No. 191,008. PUBLISHED APRIL 15, 1924.

186,779. PHARMACEUTICAL PREPARATIONS, PARTICULARLY A LAXATIVE PREPARATION CONTAINING LITHIA. GEORGE C. FRYE COMPANY, Portland, Me.
Filed January 21, 1924. Serial No. 191,060. PUBLISHED MAY 6, 1924.

186,780. PHARMACEUTICAL PREPARATIONS, PARTICULARLY SALICYLIC ACID. GEORGE C. FRYE COMPANY, Portland, Me.
Filed January 21, 1924. Serial No. 191,071. PUBLISHED MAY 6, 1924.

186,781. CORSETS. REGAL CORSET COMPANY, Worcester, Mass.
Filed January 21, 1924. Serial No. 191,092. PUBLISHED APRIL 8, 1924.

186,782. CHEMICAL PREPARATION EMBODYING A COMBINED SPREADER AND ADHESIVE ADAPTED TO BE USED IN CONJUNCTION WITH A PLANT AND TREE SPRAY. ROSIN & COMPANY, Philadelphia, Pa.
Filed January 28, 1924. Serial No. 191,407. PUBLISHED APRIL 29, 1924.

186,783. TOOTH PASTE AND ANTISEPTIC FOR TREATMENT OF MOUTH AND THROAT TROUBLES. CHAR-TEX COMPANY, Des Moines, Iowa.
Filed January 30, 1924. Serial No. 191,473. PUBLISHED APRIL 29, 1924.

186,784. CORSETS, BRASSIÈRES, GIRDLES, AND GARMENTS IN THE NATURE OF BRASSIÈRES AND WORN AS SUBSTITUTES FOR CORSETS. CHAS. R. DE BEVOISE CO., Newark, N. J.
Filed January 30, 1924. Serial No. 191,476. PUBLISHED MAY 6, 1924.

186,785. LEATHER PUTTEES. H. & L. EPSTEIN INC., St. Louis, Mo.
Filed January 30, 1924. Serial No. 191,479. PUBLISHED MAY 6, 1924.

186,786. CANNED FRUITS, VEGETABLES, TOMATO PASTE; ALSO GRAPE SIRUP FOR TABLE USE, ICE CREAM, CONDENSED MILK, AND BUTTER. RIVERBANK CANNERY, INC., Riverbank, Calif.
Filed January 30, 1924. Serial No. 191,508. PUBLISHED APRIL 29, 1924.

186,787. OINTMENT FOR BURNS. ACCORNERO & CASTALDO, New York, N. Y.
Filed January 31, 1924. Serial No. 191,516. PUBLISHED APRIL 29, 1924.

186,788. MEDICINAL PREPARATION. MARIE D. DALTON, doing business as O. P. Tablet Company, Atlantic City, N. J.
Filed February 1, 1924. Serial No. 191,603. PUBLISHED MAY 6, 1924.

186,789. MEDICINAL AGENTS TO BE USED AGAINST INTESTINAL PARASITES. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed February 1, 1924. Serial No. 191,608. PUBLISHED APRIL 29, 1924.

186,790. LIQUID CHEMICAL COMPOSITION USED TO PROTECT ALL HANDWRITING, TYPEWRITING, PRINTING, ON LEGAL PAPERS TO PREVENT ALTERATION THEREOF. M. & G. GRAPHIC SEAL CO., Scranton, Pa.
Filed February 1, 1924. Serial No. 191,614. PUBLISHED APRIL 29, 1924.

186,791. MEDICINAL SALVE FOR THE TREATMENT OF RECTAL DISEASES. JOHN GROULX, Detroit, Mich.
Filed February 1, 1924. Serial No. 191,618. PUBLISHED APRIL 29, 1924.

186,792. TOILET PREPARATION FOR SKIN IRRITATIONS. RALPH C. ROOT, Brattleboro, Vt.
Filed February 1, 1924. Serial No. 191,643. PUBLISHED APRIL 29, 1924.

186,793. FLUX (FOR SOLDER). GAZZOLO DRUG & CHEMICAL COMPANY, Chicago, Ill.
Filed February 2, 1924. Serial No. 191,702. PUBLISHED APRIL 29, 1924.

186,794. FACE CREAM. ADA MARKS, Beaver Falls, Pa.
Filed February 2, 1924. Serial No. 191,712. PUBLISHED APRIL 29, 1924.

186,795. SHOE-SHINING MACHINES. AUTOMATIC SHOE SHINER CORPORATION, New York, N. Y.
Filed March 6, 1924. Serial No. 193,318. PUBLISHED MAY 13, 1924.

186,796. FRESH APPLES. SAMUEL C. ESHLEMAN, doing business as Fox Hill Fruit Farms, McKnightstown, Pa.
Filed March 5, 1924. Serial No. 193,277. PUBLISHED MAY 13, 1924.

186,797. FERROUS AND NONFERROUS WELDING RODS. REID-AVERY COMPANY, Philadelphia, Pa.
Filed March 1, 1924. Serial No. 193,123. PUBLISHED MAY 13, 1924.

186,798. CANDY. PALMER CANDY CO., Sioux City, Iowa.
Filed February 28, 1924. Serial No. 192,997. PUBLISHED MAY 13, 1924.

186,799. CANNED GRAPEFRUIT. THE HILLS BROTHERS COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,914. PUBLISHED MAY 13, 1924.

186,800. PACKAGING MACHINES. GORDAN MACHINE COMPANY, Boston, Mass.
Filed February 27, 1924. Serial No. 192,911. PUBLISHED MAY 13, 1924.

186,801. CANDY. WARD-OWSLEY CO., Aberdeen, S. Dak.
Filed February 26, 1924. Serial No. 192,870. PUBLISHED MAY 13, 1924.

186,802. CANDY AND CANDY BARS. CURTISS CANDY COMPANY, Chicago, Ill.
Filed February 18, 1924. Serial No. 192,480. PUBLISHED MAY 13, 1924.

186,803. FRESH APPLES. SPINNER FRUIT CORPORATION, Yakima, Wash.
Filed February 14, 1924. Serial No. 192,281. PUBLISHED MAY 6, 1924.

186,804. CHOCOLATE-COATED CANDIES AND FRUIT. THE ERNEST WILSON CO., San Francisco, Calif.
Filed February 14, 1924. Serial No. 192,292. PUBLISHED MAY 6, 1924.

186,805. CANNED BEANS. THE VAN CAMP PACKING COMPANY, Indianapolis, Ind.
Filed February 13, 1924. Serial No. 192,228. PUBLISHED MAY 6, 1924.

186,806. COFFEE. J. ARON & COMPANY, INC., New Orleans, La.
Filed February 13, 1924. Serial No. 192,205. PUBLISHED MAY 6, 1924.

186,807. CANNED AND DRIED FRUITS AND CANNED VEGETABLES. COYKENDALL, INC., Berkeley, Calif.
Filed February 11, 1924. Serial No. 192,111. PUBLISHED MAY 6, 1924.

186,808. SOCKET WRENCHES AND SOCKET-WRENCH SETS. SIGMUND MANDL, Milwaukee, Wis.
Filed February 9, 1924. Serial No. 192,070. PUBLISHED MAY 13, 1924.

186,809. CANNED SOUPS. HELEN F. WILLIAMS & COMPANY, Washington, D. C.
Filed February 8, 1924. Serial No. 192,047. PUBLISHED MAY 6, 1924.

186,810. FRESH APPLES. NICHOLAS MATHEW BORINA, Watsonville, Calif.
Filed February 7, 1924. Serial No. 191,935. PUBLISHED MAY 6, 1924.

186,811. CANNED FRUITS AND VEGETABLES. THE TAYLOR CORPORATION, Los Angeles, Calif.
Filed February 6, 1924. Serial No. 191,923. PUBLISHED MAY 6, 1924.

186,812. CANNED FRUITS AND VEGETABLES. THE TAYLOR CORPORATION, Los Angeles, Calif.
Filed February 6, 1924. Serial No. 191,922. PUBLISHED MAY 6, 1924.

186,813. ENAMELED METAL TILE FOR WALLS AND CEILINGS, ESPECIALY USED WHEREVER A SANITARY COVERING IS DESIRED. ALBERT J. POMELEK, New York, N. Y.
Filed February 2, 1924. Serial No. 191,716. PUBLISHED MAY 13, 1924.

186,814. FIRE-EXTINGUISHING APPARATUS BY WHICH CARBONIC-ACID GAS OR OTHER FIRE-EXTINGUISHING GAS IS DISCHARGED. WALTER KIDDE & COMPANY, INC., New York, N. Y.
Filed February 1, 1924. Serial No. 191,627. PUBLISHED MAY 13, 1924.

186,815. CANDIES. THE EUCLID CANDY COMPANY, Cleveland, Ohio.
Filed November 7, 1923. Serial No. 188,092. PUBLISHED MAY 6, 1924.

186,816. DRUGGISTS' AND SURGICAL RUBBER GOODS. TYER RUBBER COMPANY, Andover, Mass.
Filed November 12, 1923. Serial No. 188,256. PUBLISHED MAY 13, 1924.

186,817. SOFT DRINKS, SIRUPS, AND EXTRACTS. PAUL WOODS, San Francisco, Calif.
Filed December 8, 1923. Serial No. 189,438. PUBLISHED MAY 13, 1924.

186,818. COMBINATION BATTERY, GASOLINE, OIL, WATER, AND TEMPERATURE GAUGES USED IN CONNECTION WITH MOTOR VEHICLES. AUTO-METER CO. INC., New York, N. Y.
Filed December 14, 1923. Serial No. 189,653. PUBLISHED MAY 13, 1924.

186,819. LADIES' MERCERIZED HOSE. AMERICAN DRY GOODS COMPANY OF NEW YORK, New York, N. Y.
Filed December 18, 1923. Serial No. 189,836. PUBLISHED MAY 6, 1924.

186,820. CANNED FRUIT, VEGETABLES, ETC. MEBIUS & DRESCHER CO., Sacramento, Calif.
Filed December 28, 1923. Serial No. 190,200. PUBLISHED MAY 6, 1924.

186,821. CERTAIN NAMED FOODS. AMERICAN ECONOMY FOOD CORPORATION, New York, N. Y.
Filed December 29, 1923. Serial No. 190,224. PUBLISHED MAY 6, 1924.

186,822. ELECTRICAL MEASURING INSTRUMENTS. WESTON ELECTRICAL INSTRUMENT COMPANY, Newark, N. J.
Filed January 2, 1924. Serial No. 190,367. PUBLISHED MAY 13, 1924.

186,823. FRESH, PREPARED, PICKLED, AND CANNED BEEF, VEAL, PORK, MUTTON, AND POULTRY. LIBBY, MCNEILL & LIBBY, Chicago, Ill.
Filed January 5, 1924. Serial No. 190,460. PUBLISHED MAY 6, 1924.

186,824. WALNUTS, BOTH SHELLED AND UNSHELLED, IN THEIR NATURAL STATE. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y.
Filed January 16, 1924. Serial No. 190,865. PUBLISHED MAY 6, 1924.

186,825. WALNUTS, BOTH SHELLED AND UNSHELLED, IN THEIR NATURAL STATE. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y.
Filed January 16, 1924. Serial No. 190,866. PUBLISHED MAY 6, 1924.

186,826. CANNED CITROUS FRUIT. DADE CO. CITRUS SUB-EXCHANGE, Miami, Fla.
Filed January 17, 1924. Serial No. 190,913. PUBLISHED MAY 6, 1924.

186,827. CANDY. THE DARMS COMPANY, Chicago, Ill.
Filed January 17, 1924. Serial No. 190,914. PUBLISHED MAY 6, 1924.

186,828. CHOCOLATES AND CANDY. HERSHEY CHOCOLATE COMPANY, Hershey, Pa.
Filed January 17, 1924. Serial No. 190,926. PUBLISHED MAY 6, 1924.

186,829. CONFECTIONS, AND MORE SPECIFICALLY CONFECTIONS KNOWN AS STUFFED OR PREPARED FRUITS—AS, FOR EXAMPLE, DATES AND THE LIKE HAVING A NUT STUFFING THEREIN—I. E., STUFFED DATES. PETER ANTONY BARKAS, doing business as P. Barkas Company, Jersey City, N. J.
Filed January 18, 1924. Serial No. 190,954. PUBLISHED MAY 6, 1924.

186,830. COMPOUND FOR MAKING COCOA. NATIONAL SODA SERVICE CO. INC., New York, N. Y.
Filed January 23, 1924. Serial No. 191,181. PUBLISHED MAY 13, 1924.

186,831. CANDY. U. R. S. CANDY STORES, INC., Long Island City, N. Y.
Filed January 23, 1924. Serial No. 191,204. PUBLISHED MAY 6, 1924.

186,832. SOLID DETERGENT MATERIALS. EDMUND F. MCCRUMISH, doing business as Tidewater Products Company, Duluth, Minn.
Filed January 26, 1924. Serial No. 191,334. PUBLISHED MAY 13, 1924.

186,833. SIRUP FOR SOFT DRINKS. THE FRUITFROST CORPORATION, New York, N. Y.
Filed January 30, 1924. Serial No. 191,481. PUBLISHED MAY 13, 1924.

186,834. CONFECTION OF A CANDY NATURE COMPOSED OF NUTS, BISCUITS, AND CHOCOLATE. MITRI GARBOUR MFG. CO., Fall River, Mass.
Filed February 1, 1924. Serial No. 191,615. PUBLISHED MAY 6, 1924.

186,835. FOOD PRODUCT CONSISTING OF WHOLE-WHEAT CRACKED UNDER STEAM PRESSURE AND STEAM COOKED IN THE CANS AND READY TO SERVE. HEALTH HARVEST FOOD CO., Louisville, Ky.
Filed May 7, 1923. Serial No. 180,281. PUBLISHED MAY 6, 1924.

186,836. BRAIDS, TASSELS, AND FRINGES, SASHES, GIRDLES, AND CORDS, SHOE AND CORSET LACES, AND FROGS AND CHAINS MADE OF BRAID. CASTLE BRAID CO., New York, N. Y.
Filed May 7, 1923. Serial No. 180,270. PUBLISHED MAY 6, 1924.

186,837. CRACKERS COATED WITH SWEETENED CHOCOLATE. JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass.
Filed May 18, 1923. Serial No. 180,799. PUBLISHED MAY 6, 1924.

186,838. VEGETABLE AND CEREAL FOOD COMPOUND. SIGMUND L. GOLDMAN, doing business as Swastica Products Co., Chicago, Ill.
Filed June 18, 1923. Serial No. 182,145. PUBLISHED MAY 6, 1924.

186,839. SOAP, INCLUDING SHAVING AND TOILET SOAP. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn
Filed June 27, 1923. Serial No. 182,526. PUBLISHED APRIL 29, 1924.

186,840. WAISTS; SHIRTS, INCLUDING DRESS AND NEGLIGEE SHIRTS; PETTICOATS, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, LINGERIE, MUFFLERS, PYJAMAS, AND DRESSES. JERSEY SILK MILLS, New York, N. Y.
Filed July 5, 1923. Serial No. 182,820. PUBLISHED MAY 6, 1924.

186,841. HOSIERY AND KNITTED NECKTIES. THE ALBRO KNITTING MILL, Philadelphia, Pa.
Filed September 10, 1923. Serial No. 185,551. PUBLISHED APRIL 22, 1924.

186,842. MARMALADES, FRUIT PRESERVES, PECAN-NUT MEATS IN THEIR NATURAL STATE, AND SAUCE MADE OF TABASCO PEPPERS. B. F. TRAPPEY & SONS, Jeanerette, La.
Filed September 25, 1923. Serial No. 186,205. PUBLISHED MAY 6, 1924.

186,843. CANNED MALT EXTRACT FOR FOOD PURPOSES. MODERN PURE FOOD CO. INC., Providence, R. I.
Filed October 11, 1923. Serial No. 186,849. PUBLISHED MAY 6, 1924.

186,844. SOAP FOR HYGIENIC USE. MAURICE HENRI JOLINET, Paris, France.
Filed October 31, 1923. Serial No. 187,742. PUBLISHED APRIL 29, 1924.

186,845. CONDENSED MILK AND EVAPORATED MILK. DANISH PRIDE MILK PRODUCTS CO., Sheboygan, Wis.
Filed November 16, 1923. Serial No. 188,409. PUBLISHED MAY 6, 1924.

186,846. MALTED-MILK PRODUCT ADAPTED FOR USE AS A FOOD DRINK AND AS AN INVALID'S FOOD AND PREPARED LARGELY FROM FULL-CREAM MILK, MALTED GRAINS, RAW CANE SUGAR, AND ENZYMES. ROBERT DUNCAN, doing business as The Viro Company of California, Los Angeles, Calif.
Filed December 24, 1923. Serial No. 190,050. PUBLISHED MAY 6, 1924.

186,847. CORN MEAL, GRAHAM FLOUR, WHOLE-WHEAT FLOUR, POULTRY SCRATCH FOOD, LAYING MASH, DAIRY FOOD, BIRDSEED, BIRD GRAVEL, AND GRIT. LONG BEACH MILLING COMPANY, Long Beach, Calif.
Filed January 4, 1924. Serial No. 190,419. PUBLISHED MAY 13, 1924.

186,848. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 30, 1924. Serial No. 191,467. PUBLISHED APRIL 29, 1924.

186,849. CHEMICALLY-TREATED WIPERS FOR MACHINERY. LOWELL BLEACHERY, Lowell, Mass.
Filed January 9, 1924. Serial No. 190,600. PUBLISHED APRIL 29, 1924.

186,850. CERTIFIED CREAM, BUTTER, ICE CREAM, AND ICES AND COTTAGE CHEESE. SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa.
Filed January 31, 1924. Serial No. 191,579. PUBLISHED MAY 6, 1924.

186,851. TWINE. J. E. BARBOUR COMPANY, Paterson, N. J.
Filed February 2, 1924. Serial No. 191,664. PUBLISHED MAY 6, 1924.

186,852. POTASH FOR FERTILIZING PURPOSES. POTASH IMPORTING CORPORATION OF AMERICA, New York, N. Y.
Filed February 4, 1924. Serial No. 191,784. PUBLISHED MAY 13, 1924.

186,853. FLAVORING EXTRACTS FOR FOOD PURPOSES. THE FRIES & FRIES COMPANY, Cincinnati, Ohio.
Filed February 2, 1924. Serial No. 191,701. PUBLISHED MAY 6, 1924.

186,854. SNAP FASTENERS. S. BAKAL AND SON, New York, N. Y.
Filed February 11, 1924. Serial No. 192,104. PUBLISHED MAY 6, 1924.

186,855. FOOD PRODUCTS. O. J. MOORE GROCER COMPANY, Sioux City, Iowa.
Filed July 30, 1917. Serial No. 105,361. PUBLISHED MAY 13, 1924.

186,856. FLOUR AND CORN MEAL. H. M. KLEPSER, doing business as Klepser Brothers, Altoona, Pa.
Filed October 20, 1921. Serial No. 154,368. PUBLISHED MAY 6, 1924

186,857. CATALOGUES, FASHION SHEETS, AND OTHER LIKE PRINTED MATTER PRODUCED BY THE REGISTRANT FOR OTHERS. WELLS AND COMPANY, Chicago, Ill.
Filed December 24, 1921. Serial No. 157,119. PUBLISHED MAY 6, 1924.

186,858. SILVER POLISH, STRAW-HAT CLEANER, AND FABRIC CLEANER. W. WM. WINBERG, Wilmette, Ill.
Filed March 28, 1921. Serial No. 145,879. PUBLISHED May 22, 1923.

186,859. WHEAT FLOUR. THE LEBANON FARMERS CO-OPERATIVE CO., Lebanon, Ohio.
Filed September 12, 1921. Serial No. 152,851. PUBLISHED MAY 6, 1924.

186,860. SOAPS—NAMELY, SHAVING SOAP IN CAKE FORM, SHAVING CREAM, AND SHAVING SOAP IN POWDERED FORM. CROWN SUPPLY COMPANY, INC., New York, N. Y., assignors to Blue Bird, Inc. Perfumers, New York, N. Y., a Corporation of New York.
Filed March 14, 1922. Serial No. 160,661. PUBLISHED APRIL 29, 1924.

186,861. FISH PRESERVED IN OIL, CANNED VEGETABLES, RICE, COFFEE, TEA. RAFFAELE MARTORELLI, New York, N. Y.
Filed August 26, 1922. Serial No. 168,726. PUBLISHED SEPTEMBER 25, 1923.

186,862. TOMATO PASTE. V. TAORMINA & CO., New Orleans, La.
Filed December 15, 1922. Serial No. 173,371. PUBLISHED MAY 13, 1924.

186,863. BOYS' CLOTHING—NAMELY, SUITS AND OVERCOATS. WICKS & GREENMAN, Utica, N. Y.
Filed January 8, 1923. Serial No. 174,351. PUBLISHED OCTOBER 23, 1923.

186,864. BUTTONS, SAFETY PINS, ELASTIC, SNAP FASTENERS, SHOE LACES, CORSET LACES, PIN CUBES, AND DRESS SHIELDS. SAMSTAG & HILDER BROS., INC., New York, N. Y.
Filed January 30, 1923. Serial No. 175,325. PUBLISHED APRIL 29, 1924.

186,865. MIDDIES, KNICKERS, BLOOMERS, SKIRTS, AND TRUNKS. SALLY MIDDY CO. INC., New York, N. Y.
Filed February 12, 1924. Serial No. 192,196. PUBLISHED MAY 13, 1924.

186,866. SALE AND EXECUTION OF THE WORK OF PRINTING, LITHOGRAPHING, AND ENGRAVING OF PAMPHLETS, BOOKLETS, ADVERTISEMENTS AND PUBLICATIONS USED BY PERSONS, FIRMS, AND CORPORATIONS ENGAGED IN VARIOUS CLASSES OF INDUSTRY. N. E. H. HUBBARD & CO., New York, N. Y.
Filed February 14, 1924. Serial No. 192,257. PUBLISHED MAY 6, 1924.

186,867. HOSIERY. MICHELMAN-GRASS HOSIERY CO., New York, N. Y.
Filed February 23, 1924. Serial No. 192,713. PUBLISHED MAY 6, 1924.

186,868. KNIT UNDERWEAR. ROME TEXTILE COMPANY, Rome, N. Y.
Filed February 23, 1924. Serial No. 192,735. PUBLISHED MAY 13, 1924.

186,869. HOSIERY. UNITED HOSIERY MILLS CORP., Chattanooga, Tenn.
Filed February 23, 1924. Serial No. 192,743. PUBLISHED MAY 6, 1924.

186,870. COVER FASTENERS INTENDED TO GRIP BED COVERING AND HOLD IT IN PLACE. WILLIAM R. CHAPPELL, doing business as Universal Cover Fastener Company, New York, N. Y.
Filed February 26, 1924. Serial No. 192,817. PUBLISHED MAY 6, 1924.

186,871. COCONUT-OIL SOAP CONTAINING PUMICE. THE BEAVER SOAP COMPANY, Dayton, Ohio.
Filed February 27, 1924. Serial No. 192,885. PUBLISHED MAY 6, 1924.

186,872. TOILET MIRRORS AND PICTURE FRAMES MADE OF CELLULOID OR SIMILAR MATERIAL. J. C. DOWD & CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,900. PUBLISHED MAY 6, 1924.

186,873. TIES. WILLIAM ROSENGARTEN, doing business as Goodhold Mfg. Co., Chicago, Ill.
Filed February 14, 1924. Serial No. 192,272. PUBLISHED MAY 6, 1924.

186,874. PENCILS. ALVAH S. CRUMPTON, doing business as California Pencil Co., Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,366. PUBLISHED APRIL 22, 1924.

186,875. CANNED BERRIES AND FRUITS AND PORK AND BEANS. FASSETT & COMPANY, Tacoma, Wash.
Filed February 16, 1924. Serial No. 192,370. PUBLISHED MAY 6, 1924.

186,876. MEN'S OUTER SHIRTS OF TEXTILE FABRICS. LULLWATER MANUFACTURING COMPANY, Atlanta, Ga.
Filed February 16, 1924. Serial No. 192,399. PUBLISHED MAY 6, 1924.

186,877. UNDERWEAR—MADE OF TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. FRANK STEVENS, Waco, Tex.
Filed February 16, 1924. Serial No. 192,440. PUBLISHED MAY 13, 1924.

186,878. HEAVY WINTER OVERALLS FOR ADULTS OR CHILDREN. JAMES W. HAMILTON, St. Paul, Minn.
Filed February 18, 1924. Serial No. 192,486. PUBLISHED MAY 13, 1924.

186,879. COMPOSITION FOR THE TREATMENT OF THE SURFACE OF LEATHER. FECULOSE CO. OF AMERICA, Boston, Mass.
Filed February 19, 1924. Serial No. 192,523. PUBLISHED MAY 6, 1924.

186,880. TABLETS COMPOSED OF INORGANIC SUBSTANCES MIXED WITH SUGAR OF MILK FOR FOOD PURPOSES ONLY. J. GUY MUNSELL, doing business as Munsell's Mineral Food Company, Lincoln, Nebr.
Filed February 19, 1924. Serial No. 192,542. PUBLISHED MAY 6, 1924.

186,881. CANDY. FENN BROTHERS, Sioux Falls, S. Dak.
Filed February 21, 1924. Serial No. 192,610. PUBLISHED MAY 13, 1924.

186,882. WASHING POWDERS, SOAPS, AND CLEANSING PREPARATIONS. KENDALL MANUFACTURING COMPANY, Providence, R. I.
Filed February 21, 1924. Serial No. 192,626. PUBLISHED MAY 6, 1924.

186,883. LADIES' HATS, SUITS, COATS, FUR COATS, AND FUR SCARFS. KURZMAN, INC., New York, N. Y.
Filed February 21, 1924. Serial No. 192,627. PUBLISHED MAY 6, 1924.

186,884. MIDDY BLOUSES; UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; HOSIERY, MEN'S NEGLIGEE AND WORK SHIRTS, HOUSE DRESSES, CHILDREN'S BLOOMERS, BATH ROBES, OVERALLS, BRASSIÈRES, AND SWEATERS. BENJAMIN BILLOW, New York, N. Y.
Filed February 23, 1924. Serial No. 192,665. PUBLISHED MAY 6, 1924.

186,885. MONTHLY MAGAZINE. PHYSICAL CULTURE PUBLISHING CORPORATION, New York, N. Y.
Filed April 5, 1924. Serial No. 195,071. PUBLISHED MAY 13, 1924.

186,886. MONTHLY PUBLICATIONS. THE BRONSON & TOWNSEND CO., New Haven, Conn.
Filed April 3, 1924. Serial No. 194,904. PUBLISHED MAY 13, 1924.

186,887. PUBLICATION WHICH IS PUBLISHED AT INTERVALS, CONSISTING OF A TRADE JOURNAL. NEW JERSEY OPTICAL CO., Newark, N. J.
Filed March 29, 1924. Serial No. 194,656. PUBLISHED MAY 13, 1924.

186,888. PERIODICALS AT PRESENT PUBLISHED AT LEAST ONCE A YEAR. ANKRUM ADVERTISING AGENCY, Chicago, Ill.
Filed March 24, 1924. Serial No. 194,321. PUBLISHED MAY 13, 1924.

186,889. MAGAZINE OR PERIODICAL PUBLISHED AT STATED INTERVALS. WILLIAM KING & SON, Washington, D. C.
Filed March 22, 1924. Serial No. 194,276. PUBLISHED MAY 13, 1924.

186,890. TITLE FOR PHOTOGRAPHS. THE AIRMAP CORPORATION OF AMERICA, New York, N. Y.
Filed March 22, 1924. Serial No. 194,237. PUBLISHED MAY 13, 1924.

186,891. CANNED VEGETABLES. WM. NUMSEN & SONS, INC., Baltimore, Md.
Filed March 21, 1924. Serial No. 194,207. PUBLISHED MAY 13, 1924.

186,892. MATTRESSES, SPRING BEDS, COUCHES, DAY BEDS, AND BEDSTEADS. C. O. HASSELBARTH, Albany, N. Y.
Filed March 17, 1924. Serial No. 193,921. PUBLISHED MAY 13, 1924.

186,893. MAP RACKS AND MAP CASES. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed March 15, 1924. Serial No. 193,873. PUBLISHED MAY 13, 1924.

186,894. CERTAIN NAMED TOILET ARTICLES. H. RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y.
Filed March 15, 1924. Serial No. 193,860. PUBLISHED MAY 6, 1924.

186,895. PHONOGRAPH, TALKING-MACHINE, AND RADIO CABINETS. MANUFACTURERS PHONOGRAPH CO. INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,845. PUBLISHED MAY 13, 1924.

186,896. TRADING OR DISCOUNT STAMPS AND COUPONS. EAGLE DISCOUNT STAMP CO., St. Louis, Mo.
Filed March 13, 1924. Serial No. 193,700. PUBLISHED MAY 13, 1924.

186,897. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY; GLOVES, KNITTED UNDERWEAR, SILK UNDERWEAR, AND KNITTED OUTER WEAR—NAMELY, SWEATERS, SUITS, COATS, CAPS, MEN'S OVERALLS, DRESS SHIRTS, AND WORK SHIRTS. HOUSER TEXTILE COMPANY, Nashville, Tenn.
Filed March 17, 1924. Serial No. 193,923. PUBLISHED MAY 13, 1924.

186,898. COFFEE. KUZMA DOMINICK JAKOVICH, doing business as Texas Consumers Company, Galveston, Tex.
Filed March 17, 1924. Serial No. 193,925. PUBLISHED MAY 6, 1924.

186,899. MEN'S SUITS AND JACKETS FOR DINNER AND EVENING WEAR. OPPENHEIMER & GROSS, Philadelphia, Pa.
Filed March 21, 1924. Serial No. 194,208. PUBLISHED MAY 13, 1924.

186,900. MACARONI, MACARONI ELBOWS, MACARONI RINGS, SPAGHETTI, PREPARED SPAGHETTI, VERMICELLI, AND NOODLES. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed March 12, 1924. Serial No. 193,651. PUBLISHED MAY 6, 1924.

186,901. DRIED FRUITS, CANNED VEGETABLES, CANNED OLIVES, AND JAMS. SAM SEELIG CO., Los Angeles, Calif.
Filed March 12, 1924. Serial No. 193,684. PUBLISHED MAY 6, 1924.

186,902. TUBE CORD AND BOX-WRAPPING TWINE. MORICE JUTE MILLS, Philadelphia, Pa.
Filed March 13, 1924. Serial No. 193,723. PUBLISHED MAY 6, 1924.

186,903. FRESH CITROUS FRUITS. COCOA FRUIT CO., Cocoa, Fla.
Filed March 17, 1924. Serial No. 193,902. PUBLISHED MAY 6, 1924.

186,904. BUTTER AND HORSE-RADISH. COLUMBIA CHEESE COMPANY, Newark, N. J.
Filed March 17, 1924. Serial No. 193,903. PUBLISHED MAY 6, 1924.

186,905. CANNED VEGETABLES. CLARENCE O. DAWSON, doing buiness as Blair Canning Company, Blair, Nebr.
Filed March 17, 1924. Serial No. 193,906. PUBLISHED MAY 6, 1924.

186,906. MEN'S AND BOYS' SHIRTS, UNDERWEAR, PYJAMAS, AND NIGHTSHIRTS OF TEXTILE FABRIC. ETON SHIRT CO. INC., New York, N. Y.
Filed March 17, 1924. Serial No. 193,910. PUBLISHED MAY 13, 1924.

186,907. SWEATERS. CADET KNITTING COMPANY, Philadelphia, Pa.
Filed February 13, 1923. Serial No. 175,979. PUBLISHED MAY 6, 1924.

186,908. FOLDING TABLES SUITABLE FOR GAMES AND OTHER PURPOSES. FERGUSON BROTHERS MANUFACTURING COMPANY, Hoboken, N. J.
Filed February 15, 1923. Serial No. 176,076. PUBLISHED MAY 6, 1924.

186,909. EXTRACTS OF MEAT AND COMPOUNDS THEREOF. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va.
Filed March 26, 1923. Serial No. 178,077. PUBLISHED MAY 13, 1924.

186,910. EXTRACTS OF MEAT AND COMPOUNDS THEREOF. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va.
Filed March 26, 1923. Serial No. 178,078. PUBLISHED MAY 13, 1924.

186,911. EXTRACTS OF MEAT AND COMPOUNDS THEREOF. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va.
Filed March 26, 1923. Serial No. 178,079. PUBLISHED MAY 13, 1924.

186,912. JELLY POWDERS. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed April 2, 1923. Serial No. 178,470. PUBLISHED MAY 13, 1924.

186,913. JELLY POWDERS. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed April 2, 1923. Serial No. 178,471. PUBLISHED MAY 13, 1924.

186,914. UNDERWEAR, UNION SUITS, SHIRTS, DRAWERS, NOTIONS, AND HOSIERY MADE FROM KNIT GOODS AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. JOSEPH ROSENZWEIG, Troy, N. Y.
Filed April 20, 1923. Serial No. 179,430. PUBLISHED DECEMBER 4, 1923.

186,915. CONCENTRATED TOMATO, TOMATO SAUCE, PEELED TOMATOES, CONCENTRATED GRAPES, PRESERVED FRENCH PEAS, GREEN PEAS AND ARTICHOKES PUT UP IN BOXES, AND RICE, CORN, INDIAN CORN, WHEAT, OATS, RYE, BARLEY, PUT UP IN SACKS. SOCIETÀ ANONIMA BONIFICHE PONTINE, Rome, Italy.
Filed May 7, 1923. Serial No. 180,266. PUBLISHED MAY 6, 1924.

186,916. TRIMMINGS—NAMELY, BRAIDS, TASSELS, AND FRINGES; SASHES, GIRDLES, AND CORDS, SHOE AND CORSET LACES, AND FROGS AND CHAINS MADE OF BRAID. CASTLE BRAID CO., New York, N. Y.
Filed May 7, 1923. Serial No. 180,269. PUBLISHED MAY 6, 1924.

186,917. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, PANTS, AND SHIRTS. L. MICHAELS, INC., Buffalo, N. Y.
Filed March 11, 1924. Serial No. 193,608. PUBLISHED MAY 6, 1924.

186,918. INFANTS' HOSE. ASHE HOSIERY MILLS, Knoxville, Tenn.
Filed March 11, 1924. Serial No. 193,564. PUBLISHED MAY 6, 1924.

186,919. OLEOMARGARINE. SWIFT AND COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,552. PUBLISHED MAY 13, 1924.

186,920. NOTIONS—NAMELY, SAFETY PINS, TOILET PINS, HAIRPINS, AND SNAP FASTENERS. SOPHIA HAIR STORES CO., INC., New York, N. Y.
Filed March 10, 1924. Serial No. 193,547. PUBLISHED MAY 6, 1924.

186,921. SHOE LACES, CORSET LACES, AND MIDDY-BLOUSE LACES. BARTHELS MANUFACTURING COMPANY, Glendale, N. Y.
Filed March 10, 1924. Serial No. 193,497. PUBLISHED MAY 6, 1924.

186,922. SMOKING TOBACCO. THE ZORRO TOBACCO CO., INC., New York, N. Y.
Filed March 8, 1924. Serial No. 193,486. PUBLISHED APRIL 22, 1924.

186,923. CHILDREN'S BLOUSES AND DRESSES. ELEANOR VAN NESS, Baltimore, Md.
Filed March 8, 1924. Serial No. 193,481. PUBLISHED MAY 6, 1924.

186,924. MEN'S OVERCOATS. WM. P. GOLDMAN & BROS. INC., New York, N. Y.
Filed March 8, 1924. Serial No. 193,456. PUBLISHED MAY 6, 1924.

186,925. HOSIERY. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed March 7, 1924. Serial No. 193,399. PUBLISHED MAY 6, 1924.

186,926. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. GLANZROCK LA PENNA CO., New York, N. Y.
Filed March 7, 1924. Serial No. 193,395. PUBLISHED MAY 13, 1924.

186,927. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,294. PUBLISHED MAY 6, 1924.

186,928. CARTOONS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,290. PUBLISHED MAY 6, 1924.

186,929. CARTOONS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,289. PUBLISHED MAY 6, 1924.

186,930. CARTOONS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,288. PUBLISHED MAY 6, 1924.

186,931. CARTOONS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed March 5, 1924. Serial 193,287. PUBLISHED MAY 6, 1924.

186,932. CAST-IRON COOKING UTENSILS. THE FAVORITE STOVE & RANGE CO., Piqua, Ohio.
Filed March 4, 1924. Serial No. 193,220. PUBLISHED MAY 13, 1924.

186,933. CLOTHING WHICH CONSISTS OF COATS, VESTS, TROUSERS, BREECHES, GOLF SUITS CONSISTING OF COATS AND TROUSERS, KNICKERBOCKER PANTS, OVERALLS; UNIFORMS CONSISTING OF COATS, VESTS, AND TROUSERS; MACKINAWS, OVERCOATS, OVERALL JUMPERS, AND MEN'S AND BOYS' OUTER WEARING SHIRTS. SIGMUND EISNER COMPANY, Red Bank, N. J.
Filed March 3, 1924. Serial No. 193,161. PUBLISHED MAY 13, 1924.

186,934. MEN'S AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, VESTS, PANTS, OVERCOATS, RAINCOATS, DUSTERS, MACKINAWS, ULSTERS, SMOKING JACKETS, AUTOMOBILE COATS, BATH WRAPS, AND WOMEN'S AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, BATH WRAPS, AND MACKINAWS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,153. PUBLISHED MAY 13, 1924.

186,935. FILES AND RASPS. ARCADE FILE WORKS, Anderson, Ind.
Filed February 28, 1924. Serial No. 192,953. PUBLISHED MAY 13, 1924.

186,936. POLISHING WHEELS. THE HANSON & VAN WINKLE COMPANY, Newark, N. J.
Filed February 27, 1924. Serial No. 192,913. PUBLISHED APRIL 29, 1924.

186,937. WOMEN'S, MISSES', AND CHILDREN'S HATS. GERALDINE HAT CO., New York, N. Y.
Filed February 26, 1924. Serial No. 192,833. PUBLISHED MAY 6, 1924.

186,938. LYE. BROOKMAN MFG. CO., Chicago, Ill.
Filed February 26, 1924. Serial No. 192,815. PUBLISHED APRIL 29, 1924.

186,939. FACE LOTION. JACOB D. PAUL, Evansville, Ind.
Filed February 25, 1924. Serial No. 192,788. PUBLISHED APRIL 29, 1924.

186,940. DAVENPORTS, SOFAS, CHAIRS, FIRE-PLACE BENCHES, STOOLS, AND ROCKERS. MAYSON OVERSTUFFED INCORPORATED, Portland, Oreg.
Filed February 25, 1924. Serial No. 192,779. PUBLISHED MAY 13, 1924.

186,941. PREPARATION FOR REMOVING CORNS AND CALLI. LEWIS LEWIS, Ward, W. Va.
Filed February 25, 1924. Serial No. 192,775. PUBLISHED APRIL 29, 1924.

186,942. ESSENTIAL OILS AND ESSENCES FOR USE IN PERFUMES, INDUSTRIAL ARTS, AND SYNTHETIC, NATURAL, AND PREPARED PERFUME MATERIALS. E. M. LANING CO., INC., New York, N. Y.
Filed February 25, 1924. Serial No. 192,771. PUBLISHED APRIL 29, 1924.

186,943. DIURETIC ELIXIR. UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 23, 1924. Serial No. 192,744. PUBLISHED APRIL 29, 1924.

186,944. LEATHER SHOES. KANNALLY-WICK CORPORATION, Highland, Ill.
Filed February 23, 1924. Serial No. 192,702. PUBLISHED MAY 6, 1924.

186,945. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING CO., New York, N. Y.
Filed February 21, 1924. Serial No. 192,606. PUBLISHED MAY 13, 1924.

186,946. CORSETS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed February 20, 1924. Serial No. 192,589. PUBLISHED MAY 6, 1924.

186,947. SHOES MADE OF LEATHER, RUBBER, AND FABRIC AND THE COMBINATIONS OF LEATHER AND RUBBER, RUBBER AND FABRIC, LEATHER AND FABRIC, AND LEATHER, RUBBER, AND FABRIC. HURLEY SHOE CO., Rockland, Mass.
Filed February 19, 1924. Serial No. 192,537. PUBLISHED MAY 6, 1924.

186,948. BRASSIÈRES AND CORSETS. ABRAHAM ZWIEBELSON, doing business as Mollie Mayers, New York, N. Y.
Filed February 16, 1924. Serial No. 192,466. PUBLISHED MAY 6, 1924.

186,949. BATHING SHOES AND BATHING CAPS. TYER RUBBER COMPANY, Andover, Mass.
Filed February 16, 1924. Serial No. 192,448. PUBLISHED MAY 6, 1924.

186,950. CANE SIRUP FOR FOOD PURPOSES. WALTER BLAIR RODDENBERY, Cairo, Ga.
Filed February 16, 1924. Serial No. 192,431. PUBLISHED APRIL 29, 1924.

186,951. BRASSIÈRES. NATURES RIVAL CO., Chicago, Ill.
Filed February 16, 1924. Serial No. 192,413. PUBLISHED MAY 6, 1924.

186,952. CHEMICAL PREPARATIONS FOR DESTROYING AMERICAN BLIGHT (WOOLLY APHIS). FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed February 15, 1924. Serial No. 192,322. PUBLISHED APRIL 29, 1924.

186,953. DOUCHE POWDER. SANITIVA LABORATORIES, Portland, Oreg.
Filed February 12, 1924. Serial No. 192,197. PUBLISHED APRIL 15, 1924.

186,954. PREPARATION FOR RESTORING GRAY HAIR TO ITS ORIGINAL COLOR. HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif.
Filed February 2, 1924. Serial No. 191,728. PUBLISHED APRIL 29, 1924.

186,955. LAXATIVE. GUYON L. STEARNS, doing business as Stearns Laboratories, Columbus, Ohio.
Filed February 2, 1924. Serial No. 191,726. PUBLISHED APRIL 29, 1924.

186,956. DENTIFRICES. NEW-MIX PRODUCTS, INC., New York, N. Y.
Filed February 2, 1924. Serial No. 191,714. PUBLISHED APRIL 29, 1924.

186,957. BEAUTY CLAY. GLO-KAMI MFG. & DISTRIBUTING CO., Oakland, Calif.
Filed February 26, 1924. Serial No. 192,835. PUBLISHED APRIL 29, 1924.

186,958. PREPARATIONS FOR TREATING, CORRECTING, AND REMOVING GROWTHS ON THE FEET. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,879. PUBLISHED APRIL 29, 1924.

186,959. CHEMICAL RUST REMOVER. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 27, 1924. Serial No. 192,889. PUBLISHED APRIL 29, 1924.

186,960. FOOT TONIC. HENRY L. ADLER, doing business as Laurel Laboratories, New York, N. Y.
Filed February 28, 1924. Serial No. 192,949. PUBLISHED APRIL 29, 1924.

186,961. MEDICINAL PREPARATION TO INCREASE LACTATION IN DEFICIENT MILK SUPPLY IN THE NURSING MOTHER AND TO AID IN THE POST-PARTUM INVOLUTION OF THE UTERUS. G. W. CARNRICK CO., New York, N. Y.
Filed February 28, 1924. Serial No. 192,958. PUBLISHED APRIL 29, 1924.

186,962. SOLVENT FOR REMOVING CORROSIVE RESIDUES FROM THE BORES OF FIREARMS. WILBERT J. HUFF, Pittsburgh, Pa.
Filed February 28, 1924. Serial No. 192,978. PUBLISHED APRIL 29, 1924.

186,963. SALVE FOR THE TREATMENT OF ECZEMA, SKIN DISEASES, SORES, BOILS, AND BURNS. LUKE PREJEAN, Lafayette, La.
Filed February 28, 1924. Serial No. 193,001. PUBLISHED APRIL 29, 1924.

186,964. TITLE OF NEWSPAPER COLUMNS PUBLISHED RECURRENTLY. EDWARD G. MCCANDLISH, Takoma Park, Md.
Filed February 29, 1924. Serial No. 193,058. PUBLISHED MAY 13, 1924.

186,965. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET POWDER, LOTION FOR THE FACE AND HANDS, EAU DE COLOGNE, COLD CREAM, ROUGE, BRILLIANTINE, AND DENTIFRICES. MARIE MARTHE RICHARD VVE. GRENOVILLE, doing business as Parfumerie Grenoville, Asnieres, France.
Filed March 1, 1924. Serial No. 193,108. PUBLISHED APRIL 29, 1924.

186,966. DOMESTIC CLEANSER, DEODORIZER, AND DISINFECTANT. CHARLES EDWARD HILDRETH, Los Angeles, Calif.
Filed March 1, 1924. Serial No. 193,110. PUBLISHED APRIL 29, 1924.

186,967. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,295. PUBLISHED MAY 13, 1924.

186,968. MEN'S AND YOUNG MEN'S OUTER SUITS AND OVERCOATS. A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa.
Filed March 7, 1924. Serial No. 193,403. PUBLISHED MAY 6, 1924.

186,969. TITLE OF A NEWSPAPER. THE CLEVELAND SHOPPING NEWS COMPANY, Cleveland, Ohio.
Filed March 10, 1924. Serial No. 193,503. PUBLISHED MAY 13, 1924.

186,970. SALT. THE CAREY SALT COMPANY, Hutchinson, Kans.
Filed March 11, 1924. Serial No. 193,571. PUBLISHED MAY 6, 1924.

186,971. FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, AND SACHET POWDERS. J. A. MARCEAU LIMITÉE, doing business as Marceau, Montreal, Quebec, Canada.
Filed March 11, 1924. Serial No. 193,605. PUBLISHED MAY 6, 1924.

186,972. DENTIFRICE. T. ANDREW BUCKLEY, doing business as Buckley Chemical Co., New York, N. Y.
Filed March 12, 1924. Serial No. 193,660. PUBLISHED MAY 6, 1924.

186,973. ANODYNES FOR NERVOUS HEADACHES, CATARRH OF THE NOSE AND THROAT, PAINS OF THE STOMACH, NAUSEA, SEASICKNESS, AND VOMITING. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed March 12, 1924. Serial No. 193,666. PUBLISHED MAY 6, 1924.

186,974. PROPHYLACTIC SOLUTION. PARAMOUNT PRODUCTS COMPANY, Long Island City, N. Y.
Filed March 12, 1924. Serial No. 193,676. PUBLISHED MAY 6, 1924.

186,975. FILING CASES AND CABINETS. A. POMERANTZ & CO., Philadelphia, Pa.
Filed March 12, 1924. Serial No. 193,680. PUBLISHED MAY 13, 1924.

186,976. SHAMPOO. WILCOX & SMITH, Chicago, Ill.
Filed March 12, 1924. Serial No. 193,692. PUBLISHED MAY 6, 1924.

186,977. ADZES, AXES, BUSH HOOKS, GRASS HOOKS, GRUB HOES, HAMMERS, HATCHETS, MACHETES, MATTOCKS, PICKS, AND SCYTHES. KELLY AXE MFG. CO., Charleston, W. Va., and New York, N. Y.
Filed September 24, 1923. Serial No. 186,135. PUBLISHED MAY 13, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

186,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLENGE'S PHARMACY INC., Charleston, S. C. Filed Apr. 1, 1922. Serial No. 161,643.



Particular description of goods.—Insect Exterminator.
Claims use since Jan. 1, 1917.

186,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE BABANI, Paris, France. Filed Feb. 3, 1923. Serial No. 175,457.

BABANI

Particular description of goods.—Rice Powder, Perfume Extracts, Lotions for the Skin and Hair, Toilet Waters, Toilet Powders, Eau de Cologne, Dentifrices, and Rouges.
Claims use since 1920.

186,980. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CORDLEY & HAYES, New York, N. Y. Filed Feb. 15, 1923. Serial No. 176,073.

EZY-KLEEN

Particular description of goods.—Faucets.
Claims use since Dec. 2, 1922.

186,981. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGE HAISS MANUFACTURING COMPANY, INCORPORATED, Bronx and New York, N. Y. Filed Mar. 24, 1923. Serial No. 177,968.

PATH DIGGING LOADER

Particular description of goods.—Wagon Loaders.
Claims use since about June, 1920.

186,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAINES-CARPENTER COMPANY, St. Louis, Mo. Filed June 21, 1923. Serial No. 182,303.

Adwater

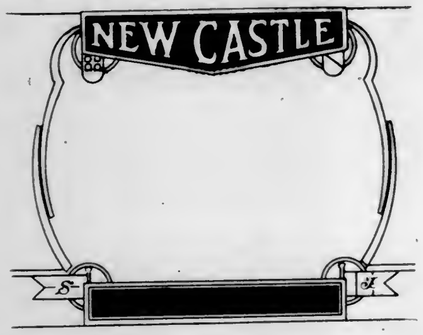
Particular description of goods.—Disinfectant, Deodorizer, and Sterilizer.
Claims use since Apr. 17, 1923.

186,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE THOMPSON-BARLOW CO., INC., New York, N. Y. Filed July 10, 1923. Serial No. 183,046.

INSTANT-EASE

Particular description of goods.—Foot Powder.
Claims use since June 1, 1923.

186,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH-JACKSON COMPANY, Newcastle, Ind. Filed Apr. 9, 1924. Serial No. 195,240.



Particular description of goods.—Canned Goods—Namely, Tomatoes, Pork and Beans, String Beans, Red Kidney Beans, Red Beans, Peas, Sauerkraut, Pumpkin, Hominy, and Sugar Corn.
Claims use since Jan. 1, 1920.

186,985. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOWELL SPECIALTY COMPANY, Lowell, Mich. Filed May 9, 1924. Serial No. 196,816.

LOWELL

Particular description of goods.—Sprayers.
Claims use since 1900.

186,986. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed May 19, 1924. Serial No. 197,242.

QUICK SET

Particular description of goods.—Putty.
Claims use since Jan. 1, 1923.

186,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLLANDER BROS. DRUG CO., Braddock, Pa. Filed May 19, 1924. Serial No. 197,275.

HOLLANDER'S

Particular description of goods.—Hair Pomade, Stomach Drops, Heart Drops, Mixed Drops, Cramp Drops, Healing Balsam, Carbolic Salve, Pain Expeller, Toothache Drops, Mother Drops, Wind Drops, Colic Drops, Cough Balsam, Headache Tablets, Arnica Salve, Corn Remover, and Worm Tablets.
Claims use since 1906.

186,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENORA SHAW, Memphis, Tenn. Filed May 22, 1924. Serial No. 197,453.

Mme. Shaw's
IDEAL HAIR GROWER

Particular description of goods.—Hair Oils.
Claims use since Mar. 1, 1921.

186,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SCHOLL & BRO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,778.



Particular description of goods.—Eggs.
Claims use since January, 1897.

186,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SCHOLL & BRO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,779.

DELAWARE BRAND



Particular description of goods.—Butter.
Claims use since January, 1897.

186,991. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MARKS LISSBERGER & SON, INC., Long Island City, N. Y. Filed June 4, 1924. Serial No. 198,077.

NEW PROCESS

Particular description of goods.—Solder.
Claims use since June, 1903.

186,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD S. WARREN, doing business as Warren-Teed Products Co., Columbus, Ohio. Filed Feb. 19, 1923. Serial No. 176,302.



Particular description of goods.—A Healing Ointment in Paste Form.
Claims use for not less than one year.

186,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. THE SWISS LABORATORIES COMPANY, Pueblo, Colo. Filed Mar. 15, 1923. Serial No. 177,527.



Particular description of goods.—A Medicinal Preparation for the Treatment of Rheumatism, Lumbago, and Kindred Diseases.
Claims use since Feb. 9, 1923.

186,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MADERIGHT M'F'G CO., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,482.

Particular description of goods.—Pillowcases, Sheets, Towels, and Decorative Linens.
Claims use since Sept. 1, 1914.

186,995. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD N. MONROE, Quincy, Ill. Filed Oct. 16, 1923. Serial No. 187,064.

Cara-Cura
Antiseptic
SHAVING STONE

Particular description of goods.—An Antiseptic Preparation for the Treatment of the Skin.
Claims use since May 8, 1923.

186,996. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATRICK J. JOYCE, doing business under the name of P. J. Joyce External Remedy Company, Cleveland, Ohio. Filed Jan. 14, 1924. Serial No. 190,790.

JOYCE

Particular description of goods.—A Medicinal Salve for the Treatment of Hay Fever, Cuts, Burns, Itch, Sore Nose, Chapped Hands, Piles, Poison Ivy, Cracked Lips, Boils, Pimples, and Cold Sores.
Claims use since May 1, 1908.

186,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR M. YESSLER, Woodstock, Ill. Filed Apr. 19, 1924. Serial No. 195,849.

Sta White

Particular description of goods.—Tooth Paste.
Claims use since October, 1908.

186,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN WAGENEN AND SCHICKHAUS COMPANY, Newark, N. J. Filed May 5, 1924. Serial No. 196,633.

SCHICKHAUS

Particular description of goods.—Sausage.
Claims use since Apr. 1, 1874.

186,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARDING CREAM COMPANY, Omaha, Nebr. Filed May 9, 1924. Serial No. 196,806.

Harding's

Particular description of goods.—Butter, Eggs, Condensed and Evaporated Buttermilk, Evaporated Milk, and Ice Cream.
Claims use since 1904.

187,000. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DU QUOIN BOTTLING CO., Duquoin, Ill. Filed May 28, 1924. Serial No. 197,727.

PURITY

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since June 1, 1921.

187,001. (CLASS 39. CLOTHING.) SOUTHERN SUSPENDER COMPANY, Edwards, Miss. Filed Mar. 28, 1924. Serial No. 194,625.

The Walton
BRAND

Particular description of goods.—Suspenders, Garters, Neckwear, Arm Bands; Leather, Rubber, and Fabric Belts for Personal Wear; Aprons, and Children's Waists.
Claims use since Mar. 1, 1921.

187,002. (CLASS 7. CORDAGE.) SCHERMERHORN BROS. CO., Chicago, Ill. Filed Apr. 8, 1924. Serial No. 195,196.

PERFECTION

Particular description of goods.—Twine, Rope, String, and Cordage Made of Vegetable Fiber.
Claims use since 1907.

187,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN LOAN & COMPANY, New York, N. Y. Filed Apr. 14, 1924. Serial No. 195,558.

VAN LOAN & COMPANY

Particular description of goods.—Spices.
Claims use since January, 1897.

187,004. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WAG'S CHEMICAL CO., INC., Knoxville, Tenn. Filed Mar. 5, 1921. Serial No. 144,365.

Wag's
"CHIEF OF THEM ALL"

Particular description of goods.—Soap.
Claims use since June 1, 1910.

187,005. (CLASS 39. CLOTHING.) LOUIS BOTHA, doing business as The Panty-Coat Company, New York, N. Y. Filed Feb. 8, 1922. Serial No. 159,006.

PANTY-COAT

Particular description of goods.—Overcoats and Convertible Combination Coat and Breeches for Men and Women.
Claims use since Aug. 1, 1920.

187,006. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ILLINOIS POWDER MFG. CO., St. Louis, Mo. Filed Nov. 16, 1922. Serial No. 172,095.

BLACK DIAMOND

Particular description of goods.—Dynamite.
Claims use since May 23, 1912.

187,007. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HARTMANN TRUNK COMPANY, Racine, Wis. Filed Jan. 25, 1923. Serial No. 175,081.

CUSHION TOP

Particular description of goods.—Trunks.
Claims use since Feb. 24, 1914.

187,008. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANTOINE CHIRIS COMPANY, New York, N. Y. Filed Feb. 7, 1923. Serial No. 175,646.

FLAVORBASE

Particular description of goods.—Flavors for Soft Drinks and Soda-Fountain Sirups.
Claims use since Jan. 20, 1923.

187,009. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 13, 1923. Serial No. 177,350.

Rosemary

Particular description of goods.—Soap and Soap Products.
Claims use since about Oct. 20, 1922.

187,010. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 179,328.

THIN WITH 3 PTS. JAPAN SPIRITS PER GAL. FLATKOTE DOUBLKOTE THIN WITH 3 PTS. LINSEED OIL PER GAL.

Particular description of goods.—Paste Paint.
Claims use since Dec. 1, 1920.

187,011. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE BISHOP & BABCOCK COMPANY, Cleveland, Ohio. Filed May 21, 1923. Serial No. 180,919.

BERRIADE

Particular description of goods.—Nonalcoholic, Maltless Fruit-Juice Flavorings for Soft Drinks.
Claims use since about Jan. 1, 1914.

187,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL A. THOMAS, doing business as The Thomas' Hair Growing Specialists, Chicago, Ill. Filed Oct. 16, 1923. Serial No. 187,071.

WE
GROW HAIR

Particular description of goods.—Scalp Ointment.
Claims use since September, 1921.

187,013. (CLASS 39. CLOTHING.) THE MORRIS ISAAC & SONS COMPANY, Cincinnati, Ohio. Filed Nov. 16, 1923. Serial No. 188,417.

KOOL-KLOTH
DE LUXE

Particular description of goods.—Ladies' and Gentlemen's Underwear of Textile Fabric.
Claims use since May 1, 1923.

187,014. (CLASS 37. PAPER AND STATIONERY.) J. A. RITCHIE & COMPANY INC., Albany, N. Y. Filed Nov. 22, 1923. Serial No. 188,705.

"SECURITY SERVICE"

Particular description of goods.—Loose-Leaf Binders.
Claims use since May 1, 1923.

187,015. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed Jan. 15, 1924. Serial No. 190,834.

KRAFT
FEATHERWEIGHT

Particular description of goods.—Wrapping Paper.
Claims use since the year 1913.

187,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MASSANUTTEN FARMS HATCHERY, INC., Harrisonburg, Va. Filed Mar. 5, 1924. Serial No. 193,300.

SHENANDOAH VALLEY

Particular description of goods.—Live Poultry.
Claims use since January, 1923.

187,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HASTINGS POTATO GROWERS ASSN., Hastings, Fla. Filed Mar. 14, 1924. Serial No. 195,771.

HASTINGS · POTATO · GROWERS · ASS'N
SUPERIOR BRAND NEW POTATOES
HASTINGS · FLA ·

Particular description of goods. Potatoes in Their Natural State.
Claims use since Mar. 22, 1923.

187,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Mar. 17, 1924. Serial No. 193,934.

REAL GOOD

Particular description of goods.—Oleomargarine.
Claims use since Nov. 20, 1922.

187,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM D. ADDISON, Manning, Iowa. Filed Mar. 27, 1924. Serial No. 194,505.

CHICKEN SOLUTION

Particular description of goods.—A Liquid Solution for Roup, Chicken Cholera, Chicken Pox, Hemorrhagic Septicæmia, and Bowel Troubles of the Young; Also Blackhead of Turkeys.
Claims use since Oct. 1, 1913.

187,020. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 27, 1924. Serial No. 194,554.

NEWMARKET

Particular description of goods.—Leather and Silk Gloves.
Claims use since Jan. 1, 1917.

187,021. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAINS & GREBENSTEIN, INC., New York, N. Y. Filed May 29, 1924. Serial No. 197,824.

Sportscloth

Particular description of goods.—Cotton Piece Goods.
Claims use since January, 1923.

187,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOVELL & COVEL CO., Boston, Mass. Filed May 21, 1924. Serial No. 197,382.

FRUIT POPS

Particular description of goods.—Candy.
Claims use since Mar. 1, 1920.

187,023. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 15, 1924. Serial No. 197,113.



IRISH
BACON

Particular description of goods.—Bacon.
Claims use since 1899.

187,024. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 15, 1924. Serial No. 197,112.



IRISH
HAM

Particular description of goods.—Ham.
Claims use since 1899.

187,025. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924. Serial No. 197,098.

BELMONT

Particular description of goods.—Men's and Boys' Riding or Service Breeches.
Claims use since Mar. 1, 1918.

187,026. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924. Serial No. 197,097.

LINWOOD

Particular description of goods.—Men's, Youths', and Boys' Knickerbockers.
Claims use since Apr. 10, 1920.

187,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa. Filed May 13, 1924. Serial No. 196,967.

ALLERTON BRAND

Particular description of goods.—Bacon.
Claims use since 1919.

187,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM ZINGER, Philadelphia, Pa. Filed May 10, 1924. Serial No. 196,894.

ZINGER'S
HANDY
SURE



LIQUID

Particular description of goods.—Insecticide.
Claims use since on or about Feb. 1, 1923.

187,029. (CLASS 32. FURNITURE AND UPHOLSTERY.) SAGINAW FURNITURE SHOPS, Saginaw, Mich., and Chicago, Ill. Filed May 8, 1924. Serial No. 196,765.



Particular description of goods.—Bedroom Furniture.
Claims use since Mar. 1, 1923.

187,030. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROME METALLIC BEDSTEAD COMPANY, Rome, N. Y. Filed May 5, 1924. Serial No. 196,623.

ROME
FOR RELAXATION AND SLEEP

Particular description of goods.—Couches, Day Beds, Bed Springs, and Couch Hammocks.
Claims use since Apr. 15, 1924.

187,031. (CLASS 37. PAPER AND STATIONERY.) COY, HUNT AND COMPANY, New York, N. Y. Filed May 1, 1924. Serial No. 196,366.

WATERWHITE

Particular description of goods.—Lithograph, Coated, and Printing Papers and Cardboard.
Claims use since Mar. 10, 1922.

187,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. PRIDE & Co., Bellingham, Wash. Filed Apr. 18, 1924. Serial No. 195,101.

JUICY FRUIT

Particular description of goods.—Fruit Preserves, Jams, Jellies, Canned Fruits, and Canned Vegetables.
Claims use since July 1, 1920.

187,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK MARIENFELDE, G. M. B. H., Berlin-Marienfelde, Germany. Filed May 12, 1922. Serial No. 163,736.

Sulfoliquid

Particular description of goods.—External Remedy for Skin Diseases.
Claims use since Feb. 24, 1921.

187,034. (CLASS 39. CLOTHING.) GREENSTEIN-SIEGEL CO., INC., New York, N. Y. Filed Jan. 22, 1923. Serial No. 174,899.

FENWAY CLOTHES

Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since July 15, 1921.

187,035. (CLASS 39. CLOTHING.) L. BAMBERGER & CO., Newark, N. J. Filed Mar. 3, 1923. Serial No. 176,870.

Twickenham

Particular description of goods.—Sport Garments for Women and Misses—Namely, Tailored Coats and Suits.
Claims use since Jan. 1, 1923.

187,036. (CLASS 39. CLOTHING.) THOMAS A. FARRELL, doing business as Standard Rubber Co., Carlstadt, N. J. Filed Mar. 29, 1923. Serial No. 178,242.

Standard

Particular description of goods.—Rubber Heels.
Claims use since Dec. 4, 1922.

187,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL HEYMANN, doing business under the name of De Marcy, Lilas, (Seine), France. Filed July 25, 1923. Serial No. 183,652.

DE MARCY

Particular description of goods.—Perfume, Eau de Cologne, Rouge, Beauty Cream, Face Powder, Talcum Powder, Dentifrices.
Claims use since Aug. 30, 1921.

187,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALEXANDER & STEIN, INC., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,398.

Chesterfield Cords

Particular description of goods.—Handkerchiefs.
Claims use since May 1, 1923.

187,039. (CLASS 39. CLOTHING.) BOSTON STORE OF CHICAGO, INC., Wilmington, Del., and Chicago, Ill. Filed Sept. 19, 1923. Serial No. 185,914.

DEVONSHIRE

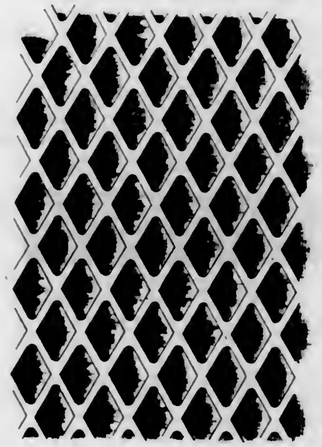
Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since April, 1923.

187,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL A. THOMAS, doing business as The Thomas' Hair Growing Specialists, Chicago, Ill. Filed Oct. 20, 1923. Serial No. 187,271.

THE THOMAS' ORIGINAL DISCOVERY FOR BALDNESS "WE GROW HAIR"

Particular description of goods.—Hair Tonic and Shampoo.
Claims use since September, 1921.

187,041. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PERFECTION HEATER & MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 28, 1924. Serial No. 193,000.



Particular description of goods.—Exhaust-Gas Motor-Car Heaters.
Claims use since about Sept. 12, 1910.

187,042. (CLASS 39. CLOTHING.) SHAW SHIRT CORPORATION, New York, N. Y. Filed Mar. 1, 1924. Serial No. 193,135.

MARK OF Shaw REPUTATION

Particular description of goods.—Men's Shirts, Negligee and Work.
Claims use for not less than one year.

187,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HESTER HELT, doing business as Mustard Cerate Mfg. Co., Trinidad, Colo. Filed Mar. 3, 1924. Serial No. 193,172.

MUSTARD CERATE WILL NOT BLISTER

Particular description of goods.—Mustard Cerate.
Claims use since Sept. 27, 1921.

187,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER MEDICAL COMPANY, Kansas City, Mo. Filed Mar. 3, 1924. Serial No. 193,185.

MILLER'S Painease LINIMENT

Particular description of goods.—Liniment.
Claims use since Jan. 15, 1912.

187,045. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) CHARLES STEIN, New York, N. Y. Filed Mar. 21, 1924. Serial No. 194,222.

KANTRUST

Particular description of goods.—Umbrellas and Parasols.
Claims use for not less than one year.

187,046. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Mar. 10, 1924. Serial No. 193,530.

BETTY BARR

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Combination Thereof.
Claims use since Oct. 10, 1922.

187,047. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WEST MICHIGAN FRUIT PRODUCTS COMPANY, Frankfort, Mich. Filed Mar. 11, 1924. Serial No. 193,644.

CRYSTAL

Particular description of goods.—Apple Cider.
Claims use since 1921.

187,048. (CLASS 39. CLOTHING.) NEW YORK CLOAK & SUIT HOUSE OF LOS ANGELES, Los Angeles, Calif. Filed Mar. 24, 1924. Serial No. 194,367.

New York

Particular description of goods.—Women's, Misses', and Girls' Clothing and Undergarments—Namely, Slippers and Mules of Leather, Rubber, Fabric, or Combinations Thereof; Puttees, Leggings, Boas, Mufflers, Scarfs, and Neckwear—Namely, Neckties, Stocks, Jabots, Collars; Underwear, Night Clothes, Underwaists; Robes, Bath, Night, Dressing, and Lounging; Jackets, Dress and Negligee Shirts, Skirts, Vests, Trousers, Breeches, Knickerbockers, Capes, Raincoats, Coats and Overcoats, Cloaks, Bathing Suits, Blouses, Sweaters, Jerseys, Smocks, Hosiery; Handwear—Namely, Gloves and Mittens; Cuffs, Guimpes, Chemisettes and Chemise, Ruffs, Shawls; Millinery and Headwear—Namely, Hats, Bonnets, and Caps; Habits, Suits, Gowns, Dresses, Costumes, Uniforms, Waists, Corsets, Brassières, Corset Waists, Corset Covers, Bloomers, Tights, Slips, Petticoats, Bodices.

Claims use since 1905.

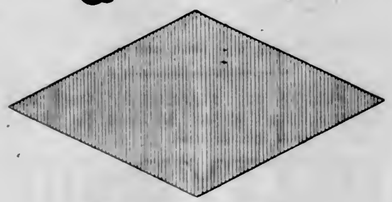
187,049. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KNAPP ELECTRIC CORPORATION, New York, N. Y. Filed May 3, 1924. Serial No. 196,526.

KNAPP

Particular description of goods.—Electrical Toys.
Claims use since about 1905.

187,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD RAY, doing business as Emerson Medicine Company, Kansas City, Mo. Filed Mar. 28, 1924. Serial No. 194,618.

QUALITY



PURITY

The drawing is lined to represent the color red.

Particular description of goods.—Boric Acid, Benzoic Acid, Citric Acid, Oxalic Acid, Salicylic Acid, Tannic Acid, Tartaric Acid, Alum, Cinnamon Bark, Elm Bark, Sassafras Bark, Soap Bark, Blue Vitriol, Borax, Calomel, Prepared Chalk, Powdered Licorice, Copperas Crystals, Cream Tartar, Flake White, Flaxseed Meal, Whole Flaxseed, German Camomile Flowers, Gum Arabic, Horehound, Insect Powder, Sugar of Lead, Senna Leaves, Henna Leaves, Chlorinated Lime, Magnesia Sulphate, Moth Balls, Mustard Plaster, Potassium Permanganate, Potassium Chlorate, Quinine Sulphate, Roach and Water Bug Killer, Orris Root, Sage Herb, Epsom Salts, Bath Salt, Rochelle Salt, Saltpeter, Caraway Seeds, Celery Seed, Cardamom Seeds, Fennel Seeds, Hemp Seed, Mustard Seed, Seidlitz Powders, Sodium Bicarbonate, Sodium Phosphate, Sugar of Milk, Sulphur Sublimate, Aspirin Tablets, Turmeric, Yellow Ocher, Zinc Stearate, Acetic Acid, Carbolic Acid, Denatured Alcohol, Rubbing Alcohol, Aromatic Spirits of Ammonia, Aromatic Cascara, Cascara Sagrada, Bay Rum, Chloroform, Collodion, Formaldehyde, Glycerin, Hydrogen Peroxide, Lime Water, Blue Ointment, Zinc-Oxide Ointment, Castor Oil, Camphorated Oil, Citronella Oil, Coconut Oil for Medicinal Purposes, Cod-Liver Oil, Goose Oil, Russian Mineral Oil, Fish Oil, Skunk Oil, Sweet Oil, Paragoric, Petrolatum, Green Soap, Liquid Cresolis Compounds, Camphor Spirits, Spirits of Niter, Tincture of Arnica, Tincture of Iodine, Tincture Chloride of Iron, Tincture of Jamaica Ginger, Sirup of White Pine, and Witch Hazel.

Claims use since May 1, 1922.

187,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK A. GUTZMANN, Pittsburgh, Pa. Filed Apr. 30, 1924. Serial No. 196,340.

Dr. Gutzmann's Peerless

Particular description of goods.—Hair Tonics and Healing Creams.
Claims use since Dec. 1, 1919.

187,052. (CLASS 39. CLOTHING.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Apr. 30, 1924. Serial No. 196,347.

EAGLE SHIRT
OF
MILLER SHIRTINGS

Particular description of goods.—Men's Outer Dress and Negligee Shirts of Silk, Linen, Cotton, Mixtures of Silk and Linen and of Silk and Cotton.
Claims use since Apr. 23, 1923.

187,053. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN FLANGE FROG AND RAILWAY IMPROVEMENT COMPANY, St. Louis, Mo. Filed May 21, 1924. Serial No. 197,350.

GRAHAM FLANGE FROG

Particular description of goods.—Railway Frogs.
Claims use since January, 1921.

187,054. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAEGER-BIGELOW CO., INC., Boston, Mass. Filed May 15, 1924. Serial No. 197,080.

KIT TUBES

Particular description of goods.—Emergency Sutures.
Claims use since May 1, 1922.

187,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE KAUFFMAN METAL PRODUCTS CO., Bellefontaine, Ohio. Filed Apr. 23, 1924. Serial No. 196,022.

LOGANGEAR

Particular description of goods.—Machine Gears.
Claims use since June 1, 1921.

187,056. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ROUTER MANUFACTURING CO., Oshkosh, Wis. Filed Mar. 14, 1924. Serial No. 193,783.

CASEY
ELECTRIC
HAND SAW

Particular description of goods.—Electric Handsaws and Parts Thereof.
Claims use since about Apr. 8, 1918.

187,057. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ROUTER MANUFACTURING CO., Oshkosh, Wis. Filed Mar. 14, 1924. Serial No. 193,782.

CASEY

Particular description of goods.—Electric Handsaws and Parts Thereof.
Claims use since about Apr. 8, 1918.

187,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY CO-OPERATIVE ASSOCIATION, Paterson, N. J. Filed Feb. 21, 1924. Serial No. 192,641.



Particular description of goods.—Bread.
Claims use since Jan. 1, 1923.

187,059. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WM. WALTKE & CO., St. Louis, Mo. Filed Jan. 24, 1924. Serial No. 191,243.

BUY SOAP
NOT WRAPPERS

Particular description of goods.—Soaps.
Claims use since about 1912.

187,060. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRED PABST COMPANY, Milwaukee, Wis. Filed Nov. 20, 1923. Serial No. 188,604.

PABST

Particular description of goods.—Metal Pipe Nipples.
Claims use since May 4, 1923.

187,061. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Oct. 12, 1923. Serial No. 186,863.

JACKSON

Particular description of goods.—Agricultural Hand Implements for Hoeing, Digging, and Cultivating—Namely, Forks, Hooks, Rakes, Hoes, Turf Edgers, Thistle, Dock, and other Weed Cutters; Garden Trowels, Weeders, Spades, and Shovels.
Claims use since August, 1902.

187,062. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MANN MANUFACTURING COMPANY, San Francisco, Calif. Filed June 18, 1923. Serial No. 182,162.

"BUILT STRONGER TO WEAR LONGER"
MANN
PRECISION
WRIST PINS

Particular description of goods.—Automobile Wrist Pins.
Claims use since Oct. 1, 1919.

187,063. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MARVIN A. SIMONS, Eureka, Calif. Filed May 19, 1923. Serial No. 180,898.

PINEAPPLE CRUSH

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage Sold as a Soft Drink.
Claims use since May 1, 1923.

187,064. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES. COOK LABORATORIES, INC., Chicago, Ill. Filed Dec. 21, 1922. Serial No. 173,623.

Carpule
COOK

Particular description of goods.—Applicators Such as Hypodermic Syringes for Using Ampuls or Carpules Containing Medicaments.
Claims use since Oct. 11, 1922.

187,065. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SYLVESTER J. SCHENK, doing business as Puritas Springs Poultry Farm, Avon Lake, Ohio. Filed Dec. 15, 1921. Serial No. 156,762.



The Puritas Springs Poultry Farm

Particular description of goods. Fresh Eggs.
Claims use since Jan. 2, 1914.

187,066. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACKECHNIE BREAD COMPANY, Los Angeles, Calif. Filed Nov. 30, 1921. Serial No. 156,096.

CREAMY-WHEAT

Particular description of goods.—Bread.
Claims use since June 15, 1916.

187,067. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHEFFIELD PHARMACAL COMPANY, Chicago, Ill. Filed July 16, 1923. Serial No. 183,321.

CALIFORNIA
CREAM of LEMON
CITRIFIED

Particular description of goods.—Cream Used for Cleansing and Bleaching the Skin.
Claims use since June 5, 1923.

187,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WAG'S CHEMICAL CO., INC., Knoxville, Tenn. Filed Mar. 5, 1921. Serial No. 144,366.

Wag's
"CHIEF OF THEM ALL"

Particular description of goods.—Salve for Influenza, Itching Piles, Whooping Cough, Sore Throat, Pneumonia, Catarrh, Colds, Croup, Boils, Itching Humors, Insect Stings, Rheumatism, Tonsillitis, Bruises, Sprains, Sunburns, and Eczema, Liver Stimulator, Novo-Quinine, and a Hair-Dressing Preparation for Dandruff, Falling Hair, Eczema, and Skin and Scalp Troubles.
Claims use since June 1, 1910.

TRADE-MARK REGISTRATIONS RENEWED

23,870. LAGER BEER. Registered November 28, 1893. ROBERT PORTNER BREWING COMPANY. Renewed November 28, 1923, to The Robert Portner Corporation, Alexandria, Va., assignee.

24,036. MUSLIN, KNIT, AND WOVEN UNDERWEAR. Registered January 9, 1894. CONRADI & FRIEDEMANN. Renewed January 9, 1924, to Conradi & Friedemann-A. G. Limbach Sa., Limbach, Germany, successors.

24,865. PILLS. Registered June 12, 1894. C. I. HOOD & Co., Lowell, Mass. Renewed June 12, 1924, to C. I. Hood Company, New York, N. Y., a Corporation of Maine, assignee.

24,941. DENTAL GUM OR RUBBER. Registered July 3, 1894. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.; New York and Brooklyn, N. Y.; Boston, Mass.; Chicago, Ill.; and Atlanta, Ga. Renewed July 3, 1924.

24,946. HARNESS AND SADDLERY LEATHER. Registered July 3, 1894. W. W. MOONEY & SONS. Renewed July 3, 1924, to W. W. Mooney & Sons, Incorporated, Columbus, Ind., successors.

25,041. COLLAR AND CUFF BUTTONS. Registered July 24, 1894. READ BENEDICT. Renewed July 24, 1924, to Benedict Brothers, New York, N. Y., assignee.

25,097. MEDICINAL TABLETS COMPOSED OF ANTIKAMNIA AND QUININE. Registered August 7, 1894. THE ANTIKAMNIA CHEMICAL COMPANY. Renewed August 7, 1924, to The Antikamnia Remedy Company, St. Louis, Mo., successors.

25,098. MEDICINAL TABLETS COMPOSED OF ANTIKAMNIA AND SALOL. Registered August 7, 1894. THE ANTIKAMNIA CHEMICAL COMPANY. Renewed August 7, 1924, to The Antikamnia Remedy Company, St. Louis, Mo., successors.

25,099. MEDICINAL TABLETS COMPOSED OF ANTIKAMNIA AND CODEINE. Registered August 7, 1894. THE ANTIKAMNIA CHEMICAL COMPANY. Renewed August 7, 1924, to The Antikamnia Remedy Company, St. Louis, Mo., successors.

25,119. TYPEWRITER RIBBONS. Registered August 14, 1894. THE AMERICAN WRITING MACHINE COMPANY. Renewed August 14, 1924, to American Writing Machine Company, Hartford, Conn., successors.

25,242. COTTON SAIL TWINE. Registered September 18, 1894. AMERICAN NET & TWINE CO., Boston, Mass., and New York, N. Y. Renewed September 18, 1924.

25,455. CERTAIN NAMED REMEDIES. Registered November 6, 1894. DR. KILMER & CO., Binghamton, N. Y. Renewed November 6, 1924.

25,477. NAILS. Registered November 6, 1894. CHARLES F. BAKER & CO. Renewed November 6, 1924, to Charles F. Baker & Co. Inc., Boston, Mass., assignee.

25,493. OINTMENTS. Registered November 13, 1894. DR. KILMER & CO., Binghamton, N. Y. Renewed November 13, 1924.

25,494. CERTAIN NAMED REMEDIES. Registered November 13, 1894. DR. KILMER & CO., Binghamton, N. Y. Renewed November 13, 1924.

25,501. LOZENGES OR TABLETS FOR DYSPEPSIA AND DISORDERS OF DIGESTION. Registered November 13, 1894. FRANK ALFRED STUART, Marshall, Mich. Renewed November 13, 1924.

25,569. CLOCKS. Registered December 4, 1894. WM. L. GILBERT CLOCK COMPANY, Winsted, Conn.; Chicago, Ill.; and New York, N. Y. Renewed December 4, 1924.

25,587. LAGER BEER. Registered December 4, 1894. JOSEPH FALLERT BREWING COMPANY LIMITED, Brooklyn, N. Y. Renewed December 4, 1924.

25,637. CERTAIN NAMED REMEDIES. Registered December 11, 1894. DR. KILMER & CO., Binghamton, N. Y. Renewed December 11, 1924.

25,643. TOILET SOAP. Registered December 11, 1894. GRAHAM BROS. & CO. Renewed December 11, 1924, to Graham Brothers Soap Company, Chicago, Ill., a Corporation of Illinois, assignee.

25,648. GINGER-ALE. Registered December 11, 1894. THE PENNSYLVANIA BOTTLING AND SUPPLY CO., Philadelphia, Pa. Renewed December 11, 1924.

LABELS

REGISTERED JULY 22, 1924.

27,621.—*Title:* HANDY PACKET. For Confectionery. ALLEN-QUALLEY COMPANY, St. Paul, Minn. Published April 30, 1924.

27,622.—*Title:* AUT-O-GLO. For Automobile Enamel. AUT-O-GLO PRODUCTS CO., Murphysboro, Ill. Published May 20, 1924.

27,623.—*Title:* EVER-GLOSS. For Hair Oil. EDWARD R. EAGLESTON, doing business as Ever-Gloss Co., Wichita, Kans. Published May 14, 1924.

27,624.—*Title:* SANDURA. For Floor Coverings. FELTCRAFT COMPANY, INC., Paulsboro, N. J. Published May 23, 1924.

27,625.—*Title:* RADIOKLEEN GRIT SOAP. For Detergent Materials, Including Soap. B. M. FERGUSON & CO. (NOT INC.), ———— ————. Published April 25, 1922.

27,626.—*Title:* SPEZIA. For Canned Tonno Fish. FRANCO-ITALIAN PACKING CO., INC., East San Pedro, Calif. Published January 7, 1924.

27,627.—*Title:* PYRAMID. For Canned Tuna Fish. FRANCO-ITALIAN PACKING CO., INC., East San Pedro, Calif. Published January 7, 1924.

27,628.—*Title:* WILLSON DUSTITE RESPIRATOR. For Respirators. WILLSON GOGGLES, INC., Reading, Pa. Published June 9, 1924.

27,629.—*Title:* JACK'S MENTOLYPTINE. For a Liniment. JOHN J. HEALY, Reno, Nev. Published March 25, 1924.

27,630.—*Title:* HOVDEN. For Canned Cherries. K. HOVDEN CO., Monterey, Calif. Published March 11, 1924.

27,631.—*Title:* SKEEZIX—SCHOOL SAYS PAL IS NOT FOR ME. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,632.—*Title:* SKEEZIX—NOW, SKEEZIX, YOU'RE TO START AND LEARN. For Writing Tablets. FRANK O. KING, Chicago, Ill. Published December 27, 1923.

27,633.—*Title:* COOL SPRING (WITH SPRING AND TREE BRANCHES). For Canned Golden Bantam Corn. LAKE MILLS CANNING CO., Lake Mills, Iowa. Published January 1, 1924.

27,634.—*Title:* LEADER (WITH KNIGHT ON HORSE). For Canned Country Gentleman Corn. LAKE MILLS CANNING CO., Lake Mills, Iowa. Published January 1, 1924.

27,635.—*Title:* SAPPHO. For Cigarettes. JAMES MOUHTOURIS, doing business as J. Mouhtouris, Lynn, Mass. Published June 4, 1924.

27,636.—*Title:* O'KEEFE'S GINGER ALE. For Ginger Ale. O'KEEFE'S BEVERAGE LIMITED, Buffalo, N. Y., and Canton, Conn. Published May 10, 1924.

27,637.—*Title:* PABST EXTRA DRY. For Ginger Ale. PABST CORPORATION, Milwaukee, Wis. Published June 1, 1924.

27,638.—*Title:* MATIAS PALACIO. For Cigars. MATIAS PALACIO, San Francisco, Calif. Published April 25, 1924.

27,639.—*Title:* PENDLETON. For Clothing. PENDLETON WOOLEN MILLS, Pendleton, Oreg. Published April 1, 1921.

27,640.—*Title:* PEP. For Rolled Oats. PORTAGE WHOLESALE GROCERY COMPANY, Portage, Wis. Published April 18, 1924.

27,641.—*Title:* SCHAFFER LOCK-COVER SANITARY GARBAGE CAN. For Garbage Receptacles. THE SCHAFFER TINWARE MFG. CO., Brooklyn, N. Y. Published March 31, 1924.

27,642.—*Title:* PEACOCK. For Melons. J. H. SMITH, Turlock, Calif. Published January 10, 1924.

27,643.—*Title:* MARSHALL NEY. For Cigars. WILLIAM S. TEALL, Tampa, Fla. Published May 21, 1923.

27,644.—*Title:* KANTARK. For Nonrenewable Fuses, Renewable Fuses, Plug Fuses, Electric Receptacles, and Electric Connectors. TRICO FUSE MFG. CO., Milwaukee, Wis. Published April 1, 1924.

27,645.—*Title:* PULVITE. For a Cleaning Powder. PAUL TUMP, doing business as Milwaukee Lubricants Co., Milwaukee, Wis. Published January 19, 1924.

27,646.—*Title:* SILVRY-SLEET TINSEL. For Christmas Decorations. UNITED STATES FOIL CO., INC., Louisville, Ky. Published January 2, 1924.

27,647.—*Title:* MARATHON. For Canned Peas. WEST BEND CANNERY, West Bend, Wis. Published May 15, 1924.

27,648.—*Title:* FLO-IDA GRAPEFRUIT CRYSTALIZED WITH PURE SUGAR. For Crystallized Grapefruit. ETHEL S. WRIGHT, Jacksonville, Fla. Published June 2, 1924.

PRINTS

REGISTERED JULY 22, 1924.

7,488.—*Title:* THE LARGEST SELLING QUALITY PENCIL IN THE WORLD. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published May 23, 1924.

7,489.—*Title:* BAFFLE BAR BILLY. For Candy. CARDINET CANDY CO., Oakland, Calif. Published March 10, 1924.

7,490.—*Title:* THIRST KNOWS NO SEASON. For Soft Drinks. THE COCA-COLA COMPANY, Atlanta, Ga. Published May 15, 1924.

7,491.—*Title:* GREATEST SALES RACK EVER INVENTED. For Sales Racks. CONGOLEUM COMPANY, INC., Philadelphia, Pa. Published April 21, 1924.

7,492.—*Title:* PARFUM "PARIS" DE COTY. For Eau de Toilette, Face Powder, Compact, and Talc. COTY, INC., Wilmington, Del., and New York, N. Y. Published June 19, 1924.

7,493.—*Title:* LE TALC DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published June 1, 1924.

7,494.—*Title:* YOU WOULDN'T DISCUSS YOUR PERSONAL AFFAIRS BEFORE SERVANTS. For Eaton's Highland Linen and Crane's Writing Papers. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published May 1, 1924.

7,495.—*Title:* YOU WOULDN'T ACKNOWLEDGE WEDDING GIFTS BY TELEPHONE. For Eaton's Highland Linen and Crane's Writing Papers. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published February 1, 1924.

7,496.—*Title:* IS YOUR LETTER PAPER EVIDENCE FOR THE PROSECUTION? For Eaton's Highland Linen and Crane's Writing Papers. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published June 1, 1924.

7,497.—*Title:* HARTMANN CUSHION TOP WARDROBE TRUNKS. For Wardrobe Trunks. HARTMANN TRUNK COMPANY, Racine, Wis. Published January 2, 1924.

7,498.—*Title:* FIVE MODELS TO FIT FIVE FIGURES. For Underwear. HENDERSON & ERVIN, New York, N. Y., and Norwalk, Conn. Published May 15, 1924.

7,499.—*Title:* ROCINCHAIR GOLF-TENNIS SHIRT SUIT. For Golf-Tennis Shirt Suits. HENDERSON & ERVIN, New York, N. Y., and Norwalk, Conn. Published May 15, 1924.

7,500.—*Title:* OSHKOSH B'GOSH OVERALLS. For Overalls. OSHKOSH OVERALL COMPANY, Oshkosh, Wis. Published May 28, 1924.

7,501.—*Title:* YOU MEN ARE ALIKE. For Palmolive Shaving Cream. THE PALMOLIVE COMPANY, Chicago, Ill. Published June 21, 1924.

7,502.—*Title:* SILOX. For a Prophylactic Antiseptic Dusting Powder Which is Highly Absorbent and Deodorizing. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Published June 3, 1924.

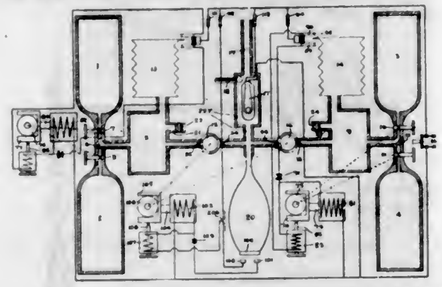
7,503.—*Title:* GAINSBOROUGH HAIR NET. For Hair Nets. WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill. Published June 5, 1924.

7,504.—*Title:* WILLIAMS AQUA VELVA (CUTOUT). For Face Lotion. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 20, 1924.

REISSUES

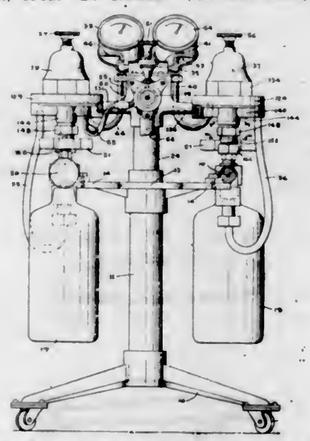
JULY 22, 1924.

15,873. ANÆSTHETIC APPARATUS. JAY A. HEIDBRINK, Minneapolis, Minn. Filed May 2, 1924. Serial No. 710,661. Original No. 1,309,686, dated July 15, 1919, Serial No. 662,066, filed Nov. 23, 1911. 11 Claims. (Cl. 128—203.)



1. An anæsthetic administering apparatus comprising means including delivery valves for producing a mixture of gases of a predetermined proportion, an expansible member for receiving the mixture as the same is delivered from the valves, and a system of solenoids controlled by movement of said expansible member for controlling the valves.

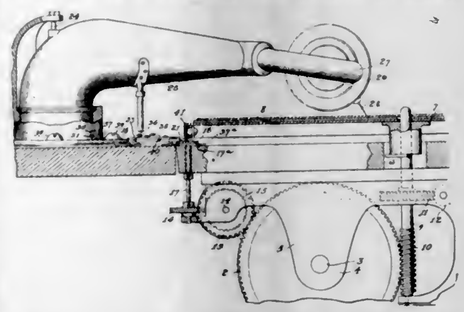
15,874. APPARATUS FOR DELIVERING A MIXTURE OF GASES. JAY A. HEIDBRINK, Minneapolis, Minn. Filed May 2, 1924. Serial No. 710,662. Original No. 1,265,910, dated May 14, 1918, Serial No. 722,455, filed Sept. 26, 1912. 20 Claims. (Cl. 128—203.)



1. A gas administering machine comprising a plurality of sources of fluid supply, a mixing chamber, means for causing each of said gases to be delivered into the mixing chamber at a definite rate of flow so as to produce a mixture of said gases of predetermined proportions, and means for simultaneously changing the rate of flow of each of said gases into the mixing chamber in the same proportional amount.

15,875. PHONOGRAPH. ALDEN L. HOWARD, Ann Arbor, Mich. Filed Nov. 4, 1921. Serial No. 512,923. Original No. 1,369,280, dated Feb. 22, 1921, Serial No. 375,686, filed Apr. 22, 1920. 8 Claims. (Cl. 192—118.)

1. In an automatic starting and stopping device for phonographs, the combination with a rotating disc and reproducing mechanism adapted to progress horizontally across substantially one half of the disc during its rotating period, of an automatically actuated arc adapted



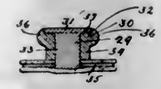
to frictionally contact the disc, operative connections between the reproducing mechanism and the arc for automatically starting and stopping the rotation of the disc.

15,876. OVERHEAD ELECTRICAL CONDUCTOR SYSTEM. HENRY B. P. WRENN and ALOYSIUS S. O'DONOGHUE, Cleveland, Ohio. Filed June 4, 1924. Serial No. 717,912. Original No. 1,459,174, dated June 19, 1923, Serial No. 600,458, filed Nov. 11, 1922. 7 Claims. (Cl. 191—41.)



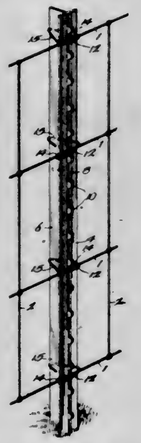
1. An electrical system of the character set forth comprising a feeder wire, a plurality of contact wires positively and independently connected to said feeder wire to form a positive electrical connection therewith thereby to permit the transfer of electrical energy from such feeder wire to said contact wires without arcing or sparking, said contact wires being arranged in a series of freely suspended overlapping loops whereby a shearing action between said contact wires will be effected at substantially all points along said wires as a current collecting device moves therealong.

15,877. HOSE-SUPPORTER BUTTON. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 2, 1923. Serial No. 649,175. Original No. 1,432,694, dated Oct. 17, 1922, Serial No. 543,061, filed Mar. 11, 1922. 10 Claims. (Cl. 24—245.)



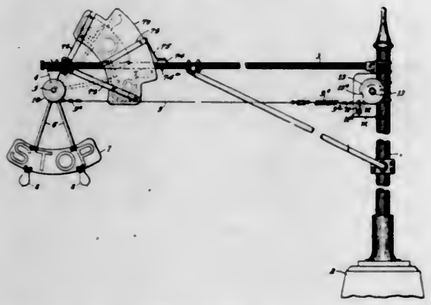
8. In a hose supporter the combination of a collet provided with a shank and an elongated head, a base plate and a staple for securing the collet to the base plate, said staple being provided with an elongated head extending lengthwise of the elongated head of the collet.

15,878. FENCE. JACOB STEFAN, Jr., Chicago Heights, Ill., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1924. Serial No. 718,180. Original No. 1,452,766, dated Apr. 24, 1923, Serial No. 542,101, filed Mar. 8, 1922. 4 Claims. (Cl. 256—48.)



1. A fastener for the wires of fences in which there is a T bar fence post and a horizontal fence wire passing across its front face, the fastener having a hook at one end for engaging one of the front flanges of the post, a mid portion to extend across the front of the post and engage the wire and a third portion extending rearward in substantially the same plane as the book and of sufficient length to pass around the rear edge of the rear flange of the post for engaging it.

15,879. SIGNAL. FRANK T. VANATTA, Mill Valley, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1918. Serial No. 229,866. Original No. 1,255,959, dated Feb. 12, 1918, Serial No. 84,532, filed Mar. 15, 1916. 37 Claims. (Cl. 177—339.)



9. A railway crossing signal comprising a warning member mounted to oscillate, electromagnetic means for causing said member to swing to and fro continuously to give a danger indication, and electromagnetic means for holding said member in a position to indicate safety.

DESIGNS

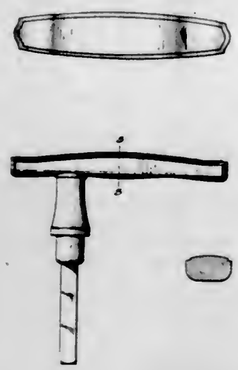
JULY 22, 1924.

65,213. INDIVIDUAL FRYING PAN. SAMUEL COURTIER ABBEY, New York, N. Y., assignor of one-third to Edward Reilly and one-third to William J. Reynolds, both of New York, N. Y. Filed Mar. 6, 1924. Serial No. 8,861. Term of patent 3½ years.



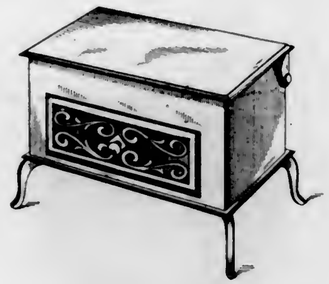
The ornamental design for an individual frying pan, as shown.

65,214. AUTOMOBILE DOOR HANDLE. FREDERICK H. AULD, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio, a Corporation of Ohio. Filed May 28, 1924. Serial No. 9,727. Term of patent 7 years.



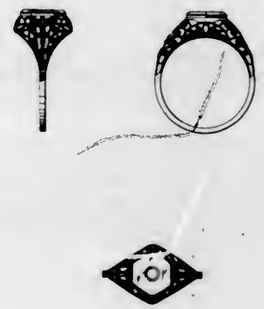
The ornamental design for an automobile door handle, as shown.

65,215. JEWELRY CABINET. WILLIAM S. BECHTOLD, Newark, N. J. Filed Sept. 15, 1922. Serial No. 3,734. Term of patent 7 years.



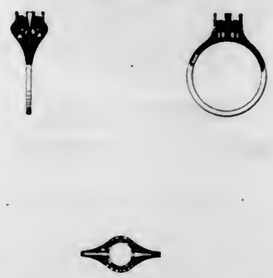
The ornamental design for a jewelry cabinet.

65,216. FINGER RING. DAVID BELAIS, New York, N. Y. Filed May 15, 1924. Serial No. 9,598. Term of patent 3½ years.



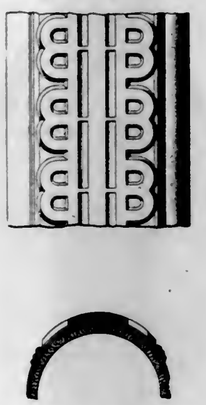
The ornamental design for a finger ring, as shown.

65,217. FINGER RING. DAVID BELAIS, New York, N. Y. Filed May 15, 1924. Serial No. 9,599. Term of patent 3½ years.



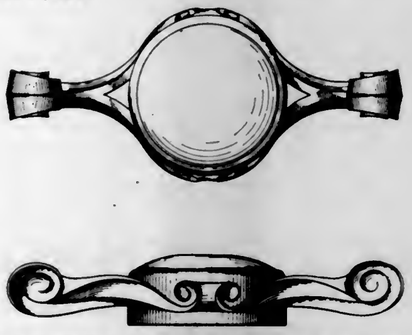
The ornamental design for a finger ring as shown.

65,218. AUTOMOBILE TIRE. WALTER PHILIP BRAENDER, Montclair, N. J. Filed Jan. 31, 1921. Serial No. 441,488. Term of patent 3½ years.



The ornamental design for an automobile tire, as shown.

65,219. AUTOMOBILE RADIATOR CAP. STANLEY G. BROOKS, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio, a Corporation of Ohio. Filed May 28, 1924. Serial No. 9,729. Term of patent 7 years.



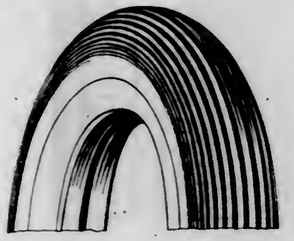
The ornamental design for an automobile radiator cap, as shown.

65,220. BADGE. IRVING L. BROWN, Chicago, Ill., assignor to American Homes Bureau, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1924. Serial No. 9,344. Term of patent 3½ years.



The ornamental design for a badge, as shown.

65,221. PNEUMATIC RUBBER TIRE. LZ ADAM BROWN, Alto, Mich. Filed June 5, 1924. Serial No. 9,802. Term of patent 14 years.

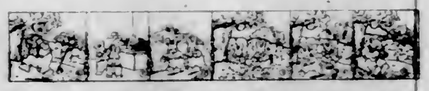




The ornamental design for a pneumatic rubber tire substantially as shown.

65,222. BOX OR SIMILAR ARTICLE OF MANUFACTURE. HARRISON CADY, Brooklyn, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 5, 1922. Serial No. 1,559. Term of patent 7 years.





The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,223. MUSICAL INSTRUMENT. SAMUEL CONGER, Indianapolis, Ind. Filed Feb. 7, 1924. Serial No. 8,571. Term of patent 14 years.



The ornamental design for a musical instrument, as shown.

65,224. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,141. Term of patent 7 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,225. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,142. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,226. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,143. Term of patent 7 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,227. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,144. Term of patent 7 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,228. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,145. Term of patent 7 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,229. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,146. Term of patent 7 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,230. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,147. Term of patent 7 years.



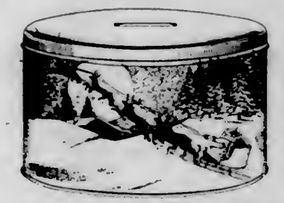
The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,231. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,148. Term of patent 7 years.



The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,232. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 515,149. Term of patent 7 years.



The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,233. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,874. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,234. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,875. Term of patent 14 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,235. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,876. Term of patent 3½ years.



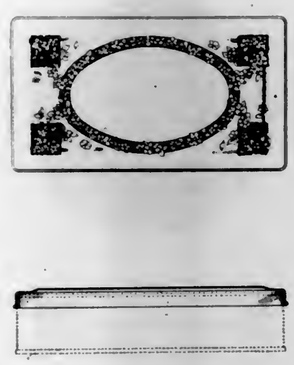
The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,236. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,877. Term of patent 3½ years.



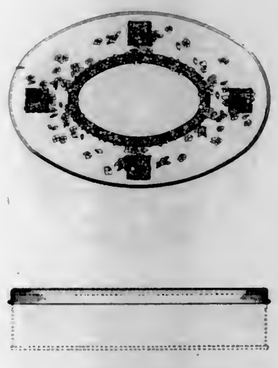
The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,237. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,878. Term of patent 3½ years.



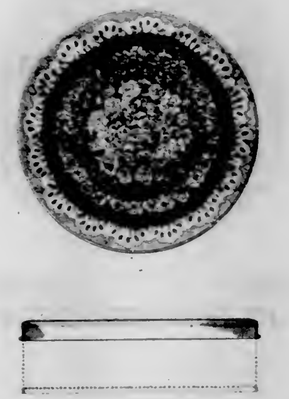
The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,238. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,879. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,239. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 21, 1921. Serial No. 516,880. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,240. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,697. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,241. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,698. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,242. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,699. Term of patent 3½ years.



The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,243. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Dec. 15, 1921. Serial No. 522,708. Term of patent 14 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,244. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Dec. 15, 1921. Serial No. 522,709. Term of patent 14 years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,245. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Mar. 16, 1922. Serial No. 1,200. Term of patent 3½ years.



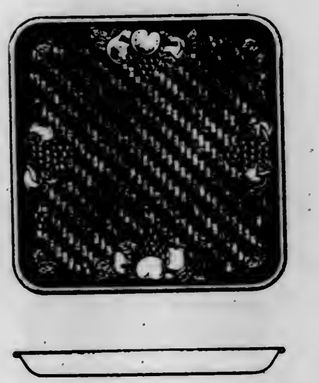
The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,246. BOX COVER OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Mar. 16, 1922. Serial No. 1,201. Term of patent 3½ years.



The ornamental design for a box cover or similar article of manufacture substantially as shown and described.

65,247. TRAY OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Mar. 16, 1922. Serial No. 1,202. Term of patent 7 years.



The ornamental design for a tray or similar article of manufacture substantially as shown and described.

65,248. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 13, 1922. Serial No. 1,739. Term of patent 7 years.



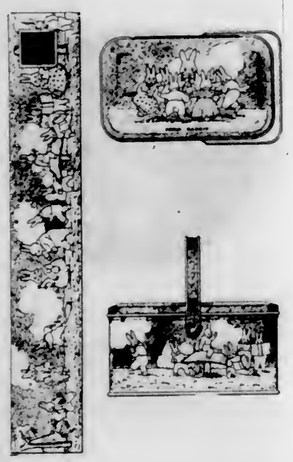
The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,249. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 20, 1922. Serial No. 1,897. Term of patent 3½ years.



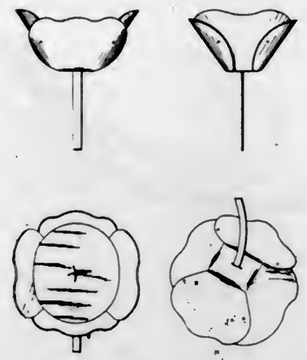
The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,250. BOX OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 20, 1922. Serial No. 1,898. Term of patent 3½ years.



The ornamental design for a box or similar article of manufacture substantially as shown and described.

65,251. FRUIT BASKET. WILLARD C. COOK, Clovis, Calif. Filed May 15, 1924. Serial No. 9,600. Term of patent 7 years.



The ornamental design for a fruit basket, as shown.

65,252. BOX. ERNEST DALTROFF, Paris, France, assignor to Caron Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1924. Serial No. 8,493. Term of patent 14 years.



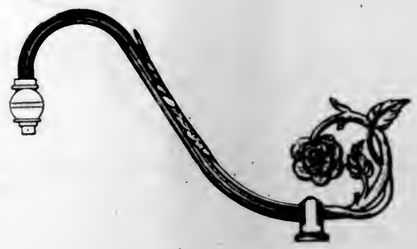
The ornamental design for a box substantially as shown.

65,253. ARM FOR LIGHTING FIXTURES. ARTHUR L. DEDI, Oak Park, Ill. Filed Feb. 26, 1923. Serial No. 5,293. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures substantially as shown.

65,254. ARM FOR LIGHTING FIXTURES. ARTHUR L. DEDI, Oak Park Ill. Filed Feb. 26, 1923. Serial No. 5,294. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures substantially as shown.

65,255. FINGER RING. HARRY DINHOFER, New York, N. Y. Filed May 28, 1924. Serial No. 9,724. Term of patent 7 years.

The ornamental design for a finger ring, as shown.

65,256. STATUETTE. EDWARD W. DODGE, Portland, Me. Filed Sept. 25, 1923. Serial No. 7,310. Term of patent 7 years.



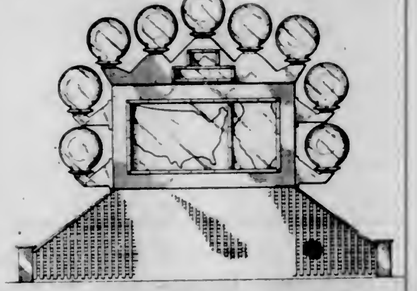
The ornamental design for statuette as shown.

65,257. LANTERN. WILLIAM C. EMBURY, Warsaw, N. Y., assignor to Embury Manufacturing Company, Warsaw, N. Y., a Corporation of New York. Filed Aug. 24, 1922. Serial No. 3,541. Term of patent 7 years.



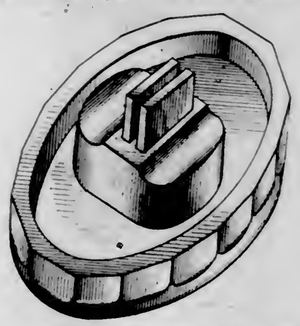
The ornamental design for a lantern, as shown.

65,258. ADVERTISING SIGN. ALBERT C. FORD, Chicago, Ill. Filed June 5, 1924. Serial No. 9,799. Term of patent 7 years.



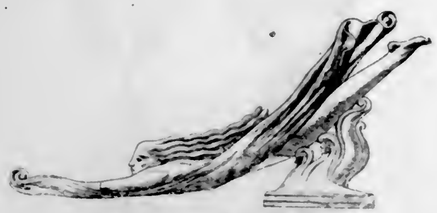
The ornamental design for an advertising sign, as shown.

65,259. COMBINATION MATCH AND ASH TRAY. DAVID FISHER, Paden City, W. Va. Filed May 12, 1924. Serial No. 9,557. Term of patent 7 years.



The ornamental design for combination match and ash tray as shown.

65,260. STATUETTE. HARRIET W. FRISHMUTH, New York, N. Y. Filed Oct. 15, 1923. Serial No. 7,503. Term of patent 7 years.



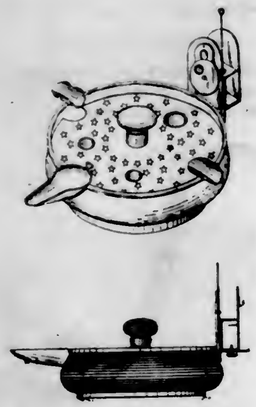
The ornamental design for a statuette, as shown.

65,261. ASH TRAY OR SIMILAR ARTICLE. BENJAMIN F. FREEBLE, Jamaica, N. Y., assignor to Sewickley Electric Manufacturing Company, Sewickley, Pa., a Corporation of Delaware. Filed Nov. 30, 1923. Serial No. 7,914. Term of patent 3½ years.



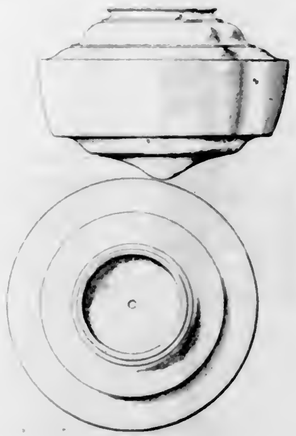
The ornamental design for an ash tray or similar article, as shown.

65,262. ASH TRAY. CHARLES F. GAUNT, Birmingham, England. Filed Oct. 5, 1922. Serial No. 3,885. Term of patent 14 years.



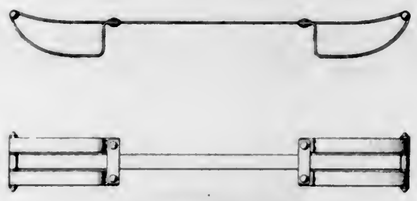
The ornamental design for an ash tray as shown.

65,263. LIGHTING GLOBE. EDWIN BENNETT GILLINDER, Port Jervis, N. Y., assignor to Gillinder Brothers, Port Jervis, N. Y., a Copartnership composed of William T. Gillinder and James Gillinder. Filed May 5, 1922. Serial No. 2,097. Term of patent 7 years.



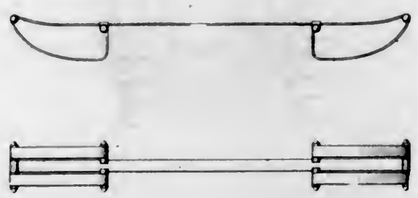
The ornamental design for a lighting globe, as shown.

65,264. AUTOMOBILE BUMPER. CHRISTIAN GIRL and WAYNE E. DUNSTON, Detroit, Mich., assignors to The C. G. Spring Company, Detroit, Mich., a Corporation of Delaware. Filed Dec. 6, 1923. Serial No. 7,957. Term of patent 14 years.



The ornamental design for an automobile bumper, as shown.

65,265. AUTOMOBILE BUMPER. CHRISTIAN GIRL and WAYNE E. DUNSTON, Detroit, Mich., assignors to The C. G. Spring Company, Detroit, Mich., a Corporation of Delaware. Filed Dec. 15, 1923. Serial No. 8,041. Term of patent 14 years.



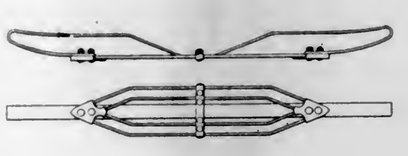
The ornamental design for an automobile bumper, as shown.

65,266. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich. Filed Mar. 17, 1924. Serial No. 8,961. Term of patent 14 years.



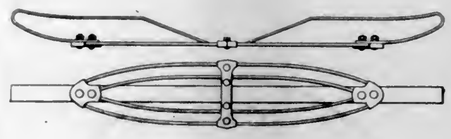
The ornamental design for an automobile bumper, as shown.

65,267. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich. Filed Mar. 17, 1924. Serial No. 8,962. Term of patent 14 years.



The ornamental design for an automobile bumper, as shown.

65,268. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich. Filed Mar. 17, 1924. Serial No. 8,963. Term of patent 14 years.



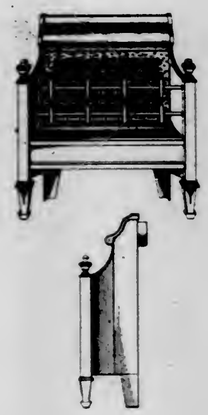
The ornamental design for an automobile bumper, as shown.

65,269. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich. Filed Mar. 17, 1924. Serial No. 8,964. Term of patent 14 years.



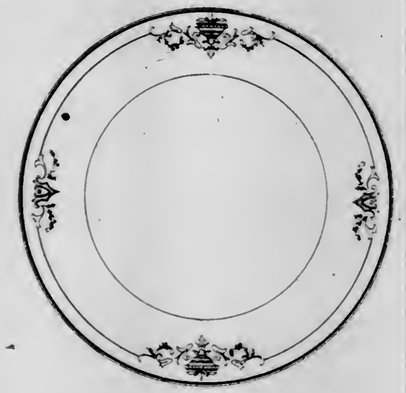
The ornamental design for an automobile bumper, as shown.

65,270. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio, assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio, a Corporation of Ohio. Filed May 7, 1924. Serial No. 9,516. Term of patent 14 years.



The ornamental design for a gas heater, as shown.

65,271. PLATE OR SIMILAR ARTICLE. HANS GUENTHERMANN, Mount Vernon, N. Y., assignor, by direct and mesne assignments, to Butler Bros., New York, N. Y., a Corporation of Illinois. Filed Oct. 18, 1922. Serial No. 4,013. Term of patent 7 years.



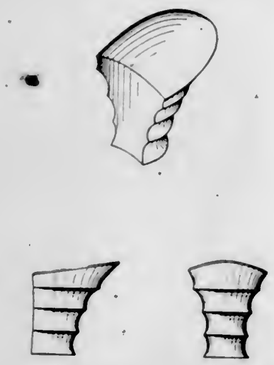
The ornamental design for a plate or similar article, as shown.

65,272. CASING FOR A COMBINED WEIGHING AND ADVERTISING MACHINE. ALBERT HEIMANN, New York, N. Y. Filed Apr. 17, 1924. Serial No. 9,303. Term of patent 14 years.



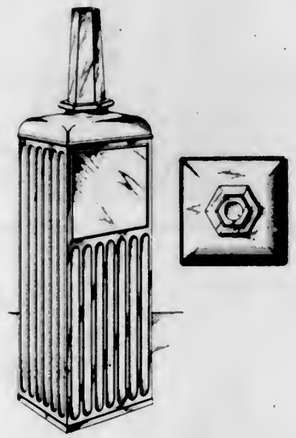
The ornamental design for a casing for a combined weighing and advertising machine, as shown.

65,273. HEEL FOR BOOTS AND SHOES. DAVID HILL, Leicester, England. Filed Aug. 3, 1921. Serial No. 489,649. Term of patent 7 years.



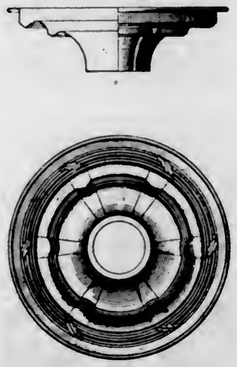
The ornamental design for a heel for boots and shoes as shown.

65,274. OIL CAN. FRANK A. HOWARD and ALMEDA BARR HOWARD, Elizabeth, N. J., assignors to Standard Development Company, a Corporation of Delaware. Filed May 1, 1924. Serial No. 9,457. Term of patent 14 years.



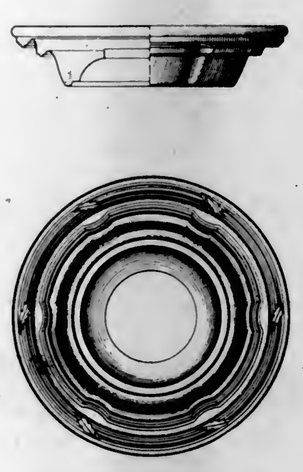
The ornamental design for an oil can as shown.

65,275. CEILING FIXTURE FOR LIGHTING FIXTURES. HAMILTON T. HOWELL, New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 30, 1921. Serial No. 457,075. Term of patent 7 years.



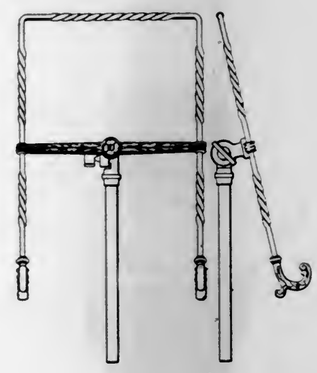
The ornamental design for a ceiling fixture for lighting fixtures, as shown.

65,276. COLLAR-RING HUSK. HAMILTON T. HOWELL, New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 30, 1921. Serial No. 457,073. Term of patent 7 years.



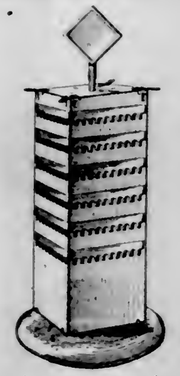
The ornamental design for a collar ring husk, as shown.

65,277. DISPLAY FIXTURE. WILLIAM EVANS KEHOE, San Francisco, Calif. Filed Apr. 2, 1923. Serial No 5,665. Term of patent 7 years.



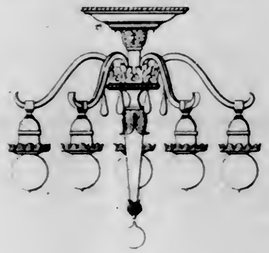
The ornamental design for a display fixture, as shown.

65,278. SALES RACK. WILLIAM WILLARD KELLY, Cleveland, Ohio. Filed Feb. 20, 1924. Serial No. 8,685. Term of patent 14 years.



The ornamental design for a sales rack, substantially as shown.

65,279. CEILING LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 8,418. Term of patent 7 years.



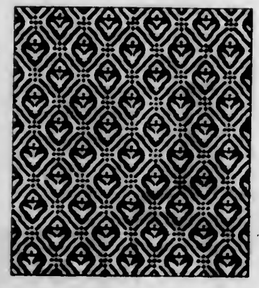
The ornamental design for a ceiling lighting fixture as shown.

65,280. TOY BEAR. THEODORE F. KOTTER, Hollis, N. Y. Filed Mar. 30, 1923. Serial No. 5,647. Term of patent 3½ years.



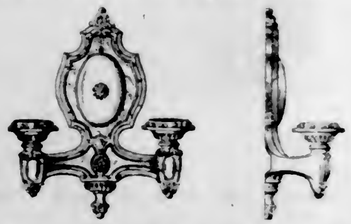
The ornamental design for a toy bear as shown and described.

65,281. PILE FABRIC. CLARENCE V. KOZLAY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 24, 1923. Serial No. 7,869. Term of patent 7 years.



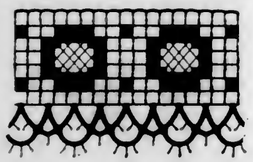
The ornamental design for a pile fabric substantially as shown.

65,282. WALL BRACKET. SAMUEL KRAMER and ABRAHAM KRAMER, Brooklyn, N. Y. Filed May 19, 1924. Serial No. 9,655. Term of patent 3½ years.



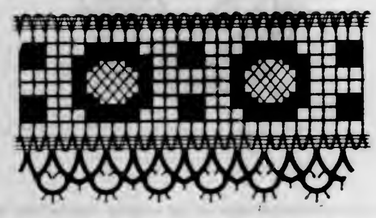
The ornamental design for a wall bracket, as shown.

65,283. LACE. HANS LEPPERHOFF, Reading, Pa., assignor to The Narrow Fabric Co., West Reading, Pa., a Corporation of Pennsylvania. Filed June 2, 1924. Serial No. 9,776. Term of patent 3½ years.



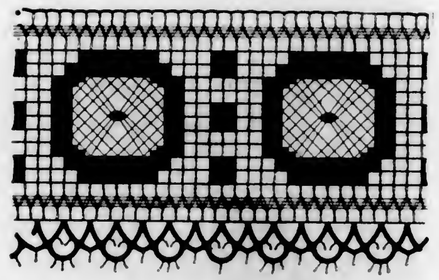
The ornamental design for lace, as shown.

65,284. LACE. HANS LEPPERHOFF, Reading, Pa., assignor to The Narrow Fabric Co., West Reading, Pa., a Corporation of Pennsylvania. Filed June 2, 1924. Serial No. 9,777. Term of patent 3½ years.



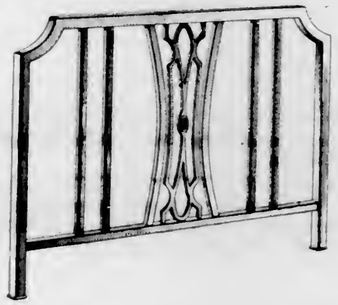
The ornamental design for lace, as shown.

65,285. LACE. HANS LEPPERHOFF, Reading, Pa., assignor to The Narrow Fabric Co., West Reading, Pa., a Corporation of Pennsylvania. Filed June 2, 1924. Serial No. 9,778. Term of patent 3½ years.



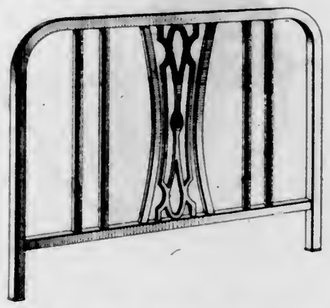
The ornamental design for lace as shown.

65,286. END-FRAME FOR A BEDSTEAD. WILLIAM LIES, Brooklyn, N. Y., assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y., a Firm composed of David Frank, John Trounstine, and William Lies. Filed June 7, 1921. Serial No. 475,737. Term of patent 3½ years.



The ornamental design for an end frame for a bedstead, as shown.

65,287. END FRAME FOR A BEDSTEAD. WILLIAM LIES, Brooklyn, N. Y., assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y., a Firm composed of David Frank, John Trounstine, and William Lies. Filed June 7, 1921. Serial No. 475,739. Term of patent 3½ years.



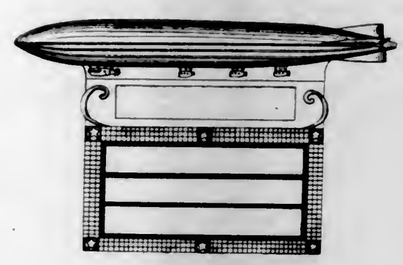
The ornamental design for an end frame for a bedstead, as shown.

65,288. LAMP STAND OR SIMILAR ARTICLE. NORMAN LIPSKY, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc., a Corporation of New York. Filed May 16, 1924. Serial No. 9,627. Term of patent 3½ years.



The ornamental design for a lamp stand, or similar article substantially as shown.

65,289. ADVERTISING SIGN. ARTHUR R. LUNDQUIST, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 7,894. Term of patent 3½ years.



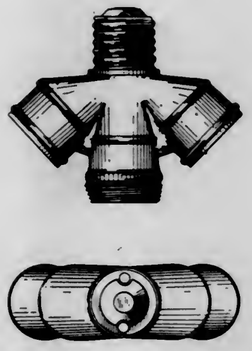
The ornamental design for an advertising sign as shown.

65,290. CASING FOR A DENTAL FLOSS HOLDER. FREDERICK L. MACDONALD, Waltham, Mass., assignor to Flostik Company, Waltham, Mass., a Corporation of Massachusetts. Filed Feb. 28, 1922. Serial No. 937. Term of patent 14 years.



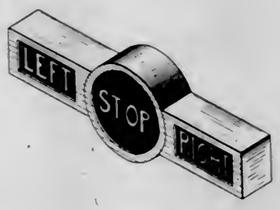
The ornamental design for a casing for a dental floss holder as shown.

65,291. COMBINED LAMP SOCKET CLUSTER AND CONNECTION PLUG. BENJAMIN P. MCKINLEY, Brooklyn, N. Y. Filed Feb. 9, 1922. Serial No. 626. Term of patent 14 years.



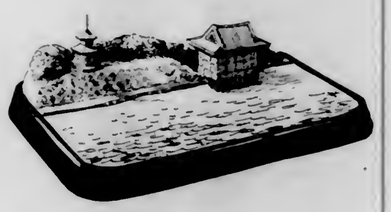
The ornamental design for a combined lamp socket cluster and connection plug, as shown.

65,292. VEHICLE SIGNAL-LAMP CASING. LOUIS A. MEYER, St. Louis, Mo. Filed Apr. 15, 1922. Serial No. 1,784. Term of patent 7 years.



The ornamental design for a vehicle signal-lamp casing as shown.

65,293. INCENSE BURNER. SHIGEO MORITA, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 7,510. Term of patent 3½ years.



The ornamental design for an incense burner substantially as shown.

65,294. PLATE FOR LIGHTING FIXTURES. BARNET NEWLAND, New York, N. Y. Filed Mar. 29, 1924. Serial No. 9,113. Term of patent 3½ years.



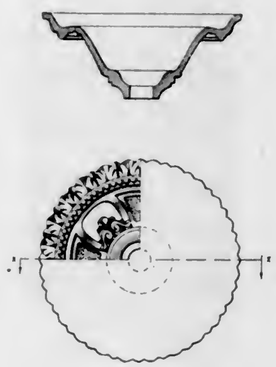
The ornamental design for a plate for lighting fixtures as shown.

65,295. PLATE FOR LIGHTING FIXTURES. BARNET NEWLAND, New York, N. Y. Filed Apr. 5, 1924. Serial No. 9,168. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures as shown.

65,296. CANDLE CUP FOR LIGHTING FIXTURES. BARNET NEWLAND, New York, N. Y. Filed Apr. 5, 1924. Serial No. 9,169. Term of patent 3½ years.



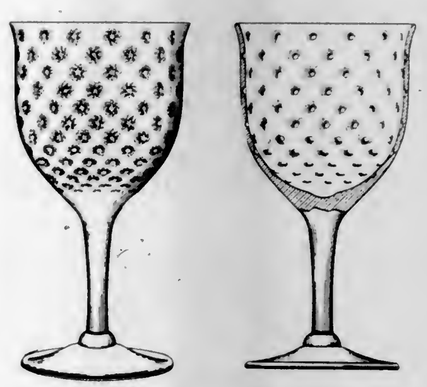
The ornamental design for a candle cup for lighting fixtures as shown.

65,297. TIRE. PHILIP H. OBER, Mansfield, Ohio, assignor to Mansfield Tire and Rubber Company, Mansfield, Ohio, a Corporation of Ohio. Filed Apr. 30, 1924. Serial No. 9,442. Term of patent 14 years.



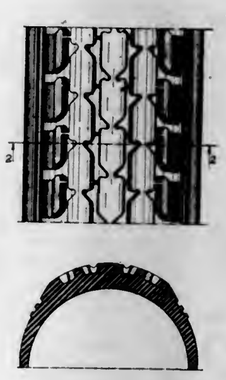
The ornamental design for a tire, as shown.

65,298. GOBLET OR SIMILAR ARTICLE. CHARLES H. PHILLIPS, Jr., Richmond Hill, N. Y., assignor to Seneca Glass Co., Morgantown, W. Va., a Corporation of West Virginia. Filed Feb. 25, 1924. Serial No. 8,733. Term of patent 7 years.



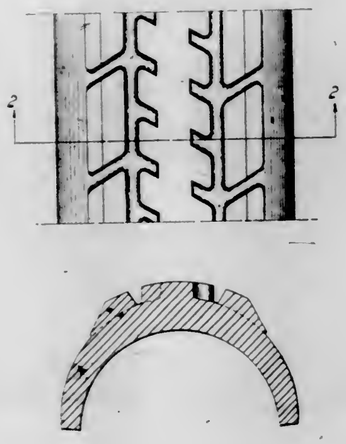
The ornamental design for a goblet or similar article, as shown.

65,299. TIRE. BENJAMIN H. PRATT, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 31, 1924. Serial No. 9,754. Term of patent 14 years.



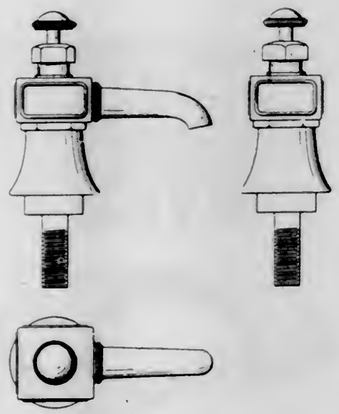
The ornamental design for a tire substantially as shown.

65,300. RESILIENT TIRE. HAROLD D. REICHARD, Akron, Ohio. Filed May 15, 1924. Serial No. 9,597. Term of patent 14 years.



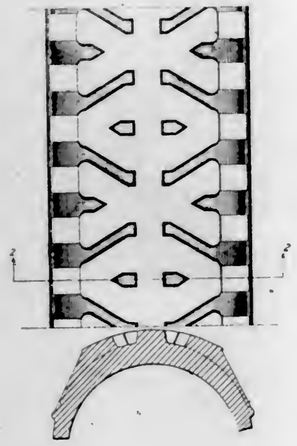
The ornamental design for a resilient tire, as shown.

65,301. FAUCET. JAMES C. ROSS, Seattle, Wash. Filed May 21, 1924. Serial No. 9,673. Term of patent 3½ years.



The ornamental design for a faucet, as shown.

65,302. RESILIENT TIRE. HARRY RUDGINSKY, Boston, Mass. Filed May 9, 1924. Serial No. 9,534. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

65,303. HOUSE-NUMBER BOX. GEORGE T. SHEARER, Atlanta, Ga., assignor of one-half to Eugene Bart, Atlanta, Ga. Filed Mar. 7, 1924. Serial No. 8,864. Term of patent 3½ years.



The ornamental design for a house number box as shown.

65,304. UNITARY COMBINATION TRAY AND CONDIMENT HOLDER. FRANCIS SCHENKER, Wallingford, Conn., assignor to Dowd Rodgers Company, Wallingford, Conn., a Corporation of Connecticut. Filed Mar. 22, 1924. Serial No. 9,040. Term of patent 3½ years.



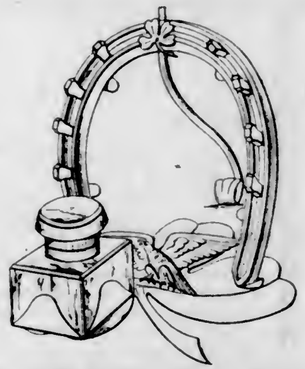
The ornamental design for a unitary combination tray and condiment holders, as shown.

65,305. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed June 5, 1923. Serial No. 6,389. Term of patent 7 years.



The ornamental design for a goblet or similar article substantially as shown.

65,306. INKWELL. FRANK ADAM SILAJ, Chicago, Ill. Filed Oct. 22, 1923. Serial No. 7,571. Term of patent 3½ years.



The ornamental design for an inkwell as shown.

65,307. METAL BORDER STRIP FOR A DISH OR SIMILAR ARTICLE. WINFIELD D. SMITH, Deal, N. J., assignor to Knickerbocker Silver Company, Port Jervis, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 6,365. Term of patent 3½ years.



The ornamental design for a metal border strip for a dish or similar article, as shown.

65,308. WRIST-WATCH CASE. LEOPOLD STRASSER, New York, N. Y. Filed Apr. 21, 1924. Serial No. 9,350. Term of patent 7 years.



The ornamental design for a wrist watch case as shown.

65,309. WRIST-WATCH CASE. LEOPOLD STRASSER, New York, N. Y. Filed Apr. 21, 1924. Serial No. 9,351. Term of patent 7 years.



The ornamental design for a wrist watch case as shown.

65,310. WRIST-WATCH CASE. LEOPOLD STRASSER, New York, N. Y. Filed Apr. 25, 1924. Serial No. 9,395. Term of patent 7 years.



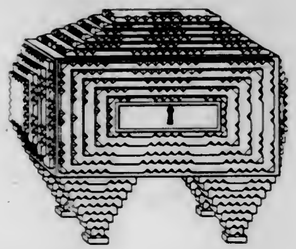
The ornamental design for a wrist watch case as shown.

65,311. WRIST-WATCH CASE. LEOPOLD STRASSER, New York, N. Y. Filed Apr. 25, 1924. Serial No. 9,396. Term of patent 7 years.



The ornamental design for a wrist watch case as shown.

65,312. TOY BANK. JOHN TESTA, St. Paul, Minn. Filed Oct. 12, 1922. Serial No. 3,957. Term of patent 7 years.



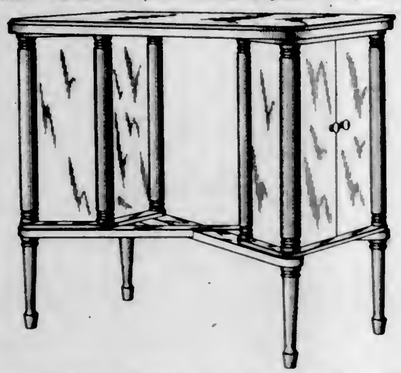
The ornamental design for a toy bank, as shown.

65,313. BADGE OR SIMILAR ARTICLE. HATTIE HULL TROUPE, deceased, late of Relay, Md., by Calvin F. Troupe, executor, Relay, Md., assignor to Service Star Legion, Incorporated, Baltimore, Md., a Corporation of Maryland. Filed Apr. 25, 1924. Serial No. 9,405. Term of patent 7 years.



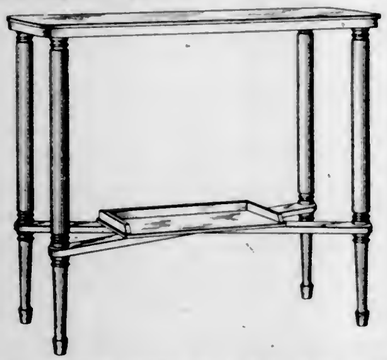
The ornamental design for a badge or similar article substantially as shown.

65,314. COMBINED TABLE AND RADIO CABINET. DAVID C. WILLIAMS, Medfield, Mass. Filed May 20, 1924. Serial No. 9,663. Term of patent 14 years.



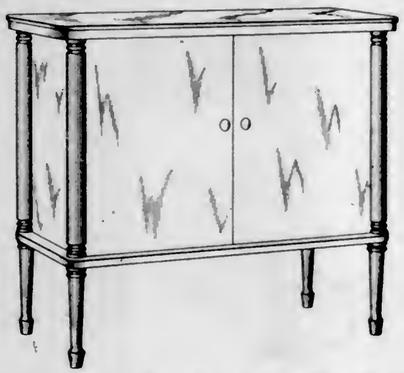
The ornamental design for a combined table and radio cabinet, as shown.

65,315. RADIO TABLE. DAVID C. WILLIAMS, Medfield, Mass. Filed May 20, 1924. Serial No. 9,664. Term of patent 14 years.



The ornamental design for a radio table, as shown.

65,316. RADIO CABINET. DAVID C. WILLIAMS, Medfield, Mass. Filed May 20, 1924. Serial No. 9,665. Term of patent 14 years.

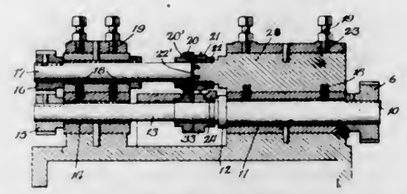


The ornamental design for a radio cabinet, as shown.

PATENTS

GRANTED JULY 22, 1924.

1,501,893. MACHINE FOR SCORING CAN BODIES. SAMUEL E. ALLERTON, Chicago, Ill. Filed Dec. 20, 1922. Serial No. 607,950. 9 Claims. (Cl. 113—15.)



1. In a machine of the class described, a rotatable shaft, a stationary support in axial alinement therewith, a cutter rotatably mounted on said support, and means for driving said cutter from said shaft.

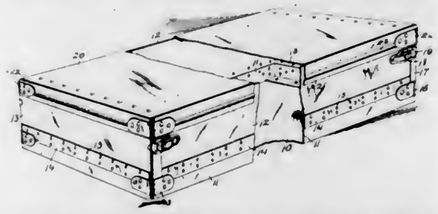
1,501,894. COMPOUND HAVING A TRYPANOCIDAL ACTION. ROGER ADAMS and JOHN RAVEN JOHNSON, Urbana, Ill. Filed Dec. 27, 1921. Serial No. 525,159. 4 Claims. (Cl. 260—14.)

3. As a new article of manufacture, the compound derived by the action of arsanilic acid upon pyruvic acid and benzaldehyde, which is a cream colored solid melting with decomposition at 186–7° (Cor.) and which upon dissolving in alkalies gives a solution having a trypanocidal action.

1,501,895. COMPOSITION FOR FIREPROOFING AND OTHER PURPOSES. LAUNCELOT W. ANDREWS, Chicago, and LEWIS D. MATHIAS, Chicago Heights, Ill. Filed July 5, 1919. Serial No. 308,781. 10 Claims. (Cl. 23—5.)

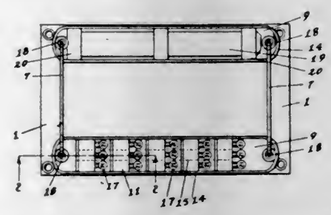
9. A fireproofing composition comprising alkali metal phosphate and a borate in proportions to form an aqueous solution non-crystallizing on exposure to ordinary atmospheric conditions.

1,501,896. FOLDING BOX. WILLIAM BAL, Newark, N. J. Filed Aug. 30, 1922. Serial No. 585,132. 3 Claims. (Cl. 229—41.)



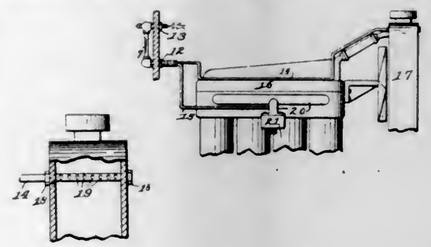
1. A folding box comprising a tray-like bottom, side and end-flaps hinged to the top edges of the tray and adapted to fold inwardly, catches on the outside of the flaps to secure the corners thereof when extended, the end flaps having flanges to embrace the sides of the tray when folded, and a cover having means to engage the catch members on the end flaps to secure the cover and the folded bottom portion together.

1,501,897. MARKING-PIN HOLDER. CHARLES L. BRALEY, Chicago, Ill., assignor of one-half to Charles F. Noftzger, Chicago, Ill. Filed Apr. 16, 1920. Serial No. 374,394. 3 Claims. (Cl. 211—34.)



1. A marking pin holder comprising a flexible pocket member, pocket strips disposed transversely of said pocket member, bindings for the edges of said pocket member embracing the ends of the pocket strips, there being rows of stitches longitudinally of said pocket member and through said pocket strips providing rows of pockets, support engaging grommets at the ends of said pocket member, stiffening strip supporting straps disposed on the rear side of said pocket member, and a stiffening strip disposed under said straps.

1,501,898. MOTOR METER. JAMES M. BRENNAN, Los Angeles, Calif. Filed Apr. 26, 1923. Serial No. 634,922. 3 Claims. (Cl. 73—52.)



1. A motormeter comprising a casing; a bulb having a transparent stem connected thereto; a temperature element in said bulb; means to mount said bulb and stem upon the dash of an automobile; said mounting means having a chamber therein surrounding said bulb; a pipe opening into said chamber and adapted to be connected to the radiator of an automobile engine above the water line; a pipe opening into said chamber and adapted to be connected to the intake pipe leading from the carburetor to the cylinders of an automobile engine.

1,501,899. STRUT FOR RAILWAY BRAKE BEAMS. SETH A. CRONE, East Orange, N. J. Filed Oct. 11, 1922. Serial No. 593,667. 6 Claims. (Cl. 188—231.)

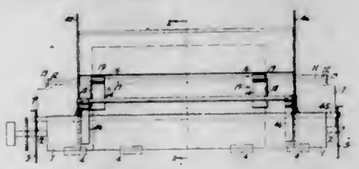
1. A strut to be interposed between the compression and tension members of a trussed brake-beam and formed from a single integral bar of forged metal of uniform width and thickness, said bar being folded on a U-bend at the forward end of the strut and

forming parallel angularly set spaced-apart sides connected together by said forward fold, and the forward end of the strut at said fold being concavely inset on a line horizontally crossing the said angularly set



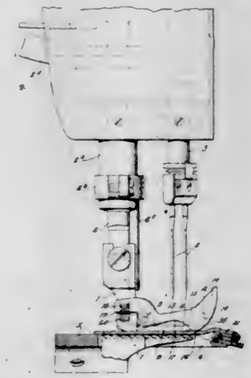
sides and offset forwardly at the end portions of said fold, thereby to form a concave seat for the truss rod and upper and lower forwardly extending projections serving to deepen the seat and engage upper and lower portions of said rod.

1,501,900. TYPEWRITING MACHINE. JOHN E. BOODY, Toronto, Ontario, Canada, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 25, 1920. Serial No. 412,756. 20 Claims. (Cl. 197—127.)



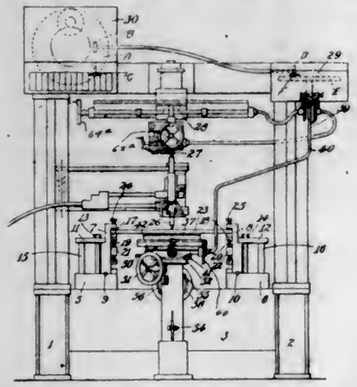
1. In a typewriting machine, the combination with a cylindrical platen, of means at the introductory side of the platen for guiding thereto a wide sheet and a narrow sheet to pass around the platen outside of the wide sheet, said guiding means comprising a paper-table, side gages adjustable thereacross to correspond to the width and position of the narrow sheet and forming with the paper-table a narrow chute, and a wide chute, to guide the wide sheet over said narrow chute and the sheet therein, comprising side walls of greater height than the side gages and having their forward ends resting on said paper-table to form therewith the front portion of the wide chute, and a floor connecting the rear portions of said side walls and serving as an extension of the paper-table.

1,501,901. PRESSER FOOT FOR SEWING MACHINES. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 28, 1922. Serial No. 563,864. 7 Claims. (Cl. 112—235.)



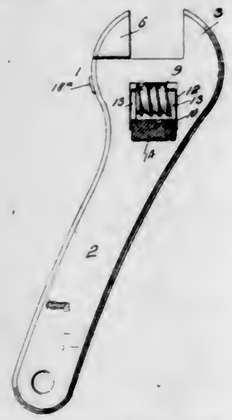
1. A presser-foot for sewing machines having, in combination, a shank, a main sole-piece directly pivoted to said shank and having a limited tilting movement, a stripper-foot pivoted to said shank and having at its forward end a downwardly extending projection, said stripper-foot being recessed intermediate its pivot and said projection to permit the latter to engage a thin portion of the work while said sole-piece rests upon a thicker portion of work.

1,501,902. JET-CUTTING MACHINE. ALFRED GODFREY, Wood Green, London, England. Filed Jan. 27, 1921. Serial No. 440,544. 8 Claims. (Cl. 266—23.)



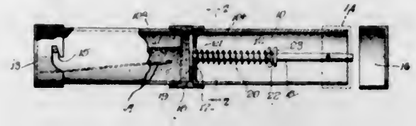
1. In a cutting machine the combination of a cutting jet movable freely in one plane, a magnetic chuck for holding a workpiece in position to be cut by the jet, and means for rotating the chuck, and means to position the jet over the workpiece in accordance with a predetermined closed contour.

1,501,903. WRENCH. WILLIAM GORDON, Union, N. J. Filed June 9, 1922. Serial No. 566,933. 3 Claims. (Cl. 81—157.)



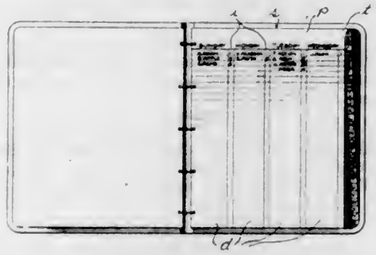
1. In a wrench, a suitable handle, jaws, one of which is movable relatively to the other, a rack on said movable jaw, a carrier mounted adjacent to the rack and movable away from said rack at substantially a right angle thereto; a screw rotatably mounted in said carrier, a spring for forcing said screw into contact with the rack, and a spring for automatically moving said jaw to full open position upon a releasing movement of said carrier and screw, and also applying pressure on the jaw to force the teeth of the rack into engagement with the threads of the screw.

1,501,904. APPARATUS FOR DEVELOPING PHOTOGRAPHS. BARNETT WALTER HARRIS, Chicago, Ill., assignor to Utilities Development Corporation, Chicago Ill., a Corporation of Virginia. Filed June 10, 1920. Serial No. 387,919. 19 Claims. (Cl. 95—90.)



1. A device of the character described comprising, in combination, a plurality of communicating chambers, means for interrupting the communication between said chambers, and means for rendering said first mentioned means operative only when one of said chambers is open to the admission of light.

1,501,905. ACCOUNT BOOK AND THE LIKE. MAX HOMOVITZ, Woodridge, N. Y. Filed July 12, 1923. Serial No. 650,990. 8 Claims. (Cl. 283—36.)



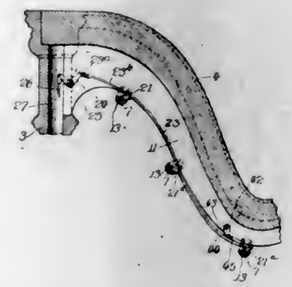
1. A book of account such as a ledger for hotels, boarding houses and the like, comprising an alphabetic index page or pages provided with seven day columns corresponding to the seven days of the week.

1,501,906. NICKEL ALLOY. NOAK VICTOR HYBINETTE, New York, N. Y., assignor to National Trust Company Limited, Toronto, Canada. Filed Aug. 1, 1921. Serial No. 489,096. 4 Claims. (Cl. 75—1.)

1. Carbonized nickel which is practically free from silicon.

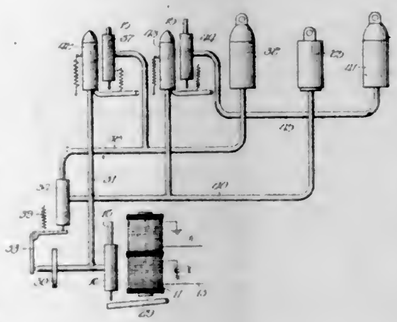
1,501,907. HARP. WALTER I. KIRK, Chicago, Ill. Filed Aug. 19, 1921. Serial No. 493,626. 1 Claim. (Cl. 84—264.)

In a harp the combination of a damper comprising a rod or bar arranged crosswise and close to the upper ends of the strings, supporting brackets for said rod or bar, said brackets being secured to the neck of the harp, threaded bolts in said brackets and the bolts being connected with the damper, threaded sleeves surrounding the threaded portions of said bolts, crank arms on said sleeves, a single link connected with all of said arms and extending cross-wise of the harp strings substantially the entire length of said damper, whereby a longitudinal movement of said link will cause a corresponding axial rotary movement on the part of all of said eccentric arms so as to adjust said damper toward and away from the strings evenly throughout its entire length, a bell crank on the harp neck near the upper end of the column, said bell crank having a sliding pivotal connection with the adjacent end of said sliding rod or bar, a link arranged in said column and having its upper end connected with the other end of the said bell crank and its lower end extended down to the base of the column, a foot lever connected with the lower end of said last mentioned link for actuating the same by foot power, and a hand lever mounted on the harp neck on one side of the same, said lever being pivoted between its ends and one of its ends being formed in the shape



of a handle for manual operation and the other end having a pin having a sliding connection with a supplemental link whose other end is pivotally connected with one of said eccentric arms, whereby said longitudinally adjustable link may be actuated by said hand lever and also whereby the actuation of said link by foot will not interfere with hand operation and vice versa.

1,501,908. MOTOR CONTROL FOR SWITCHING MECHANISMS. FRANK A. LUNDQUIST, Chicago, Ill., assignor, by mesne assignments, to Henry S. Conrad, trustee. Filed Oct. 2, 1919. Serial No. 328,078. 15 Claims. (Cl. 179—16.)

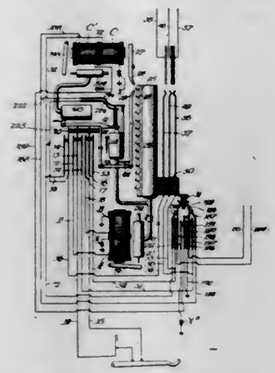


1. The combination with a magnet provided with electrical connections to a distant station, and two air valves, of means by which upon impulses flowing thru said magnet one of said valves will be opened and closed alternately and means controlled by the operation of said first valve for alternately closing and opening the second valve, said parts being so arranged that when one valve is opened the other is closed.

1,501,909. AUTOMATIC TELEPHONE EXCHANGE. FRANK A. LUNDQUIST, Chicago, Ill., assignor, by mesne assignments, to Henry S. Conrad, trustee. Filed Jan. 22, 1920. Serial No. 353,235. Renewed Apr. 11, 1924. 11 Claims. (Cl. 178—18.)

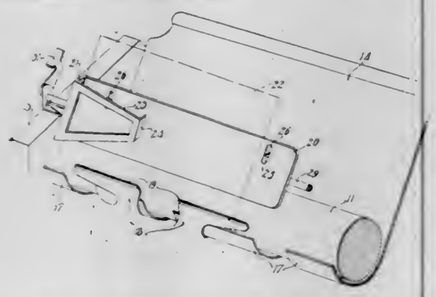
3. The combination with a switching mechanism, and lines leading thereto, of pneumatic power devices for

operating the mechanism to connect said lines to other lines, magnetic devices for transmitting impulses of com-



pressed air for controlling the power devices, and means for disconnecting all such devices at the mechanism when said mechanism completes an operation.

1,501,910. TYPEWRITING MACHINE. HARRY T. MCBAIEN, Cleveland, Ohio, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 28, 1921. Serial No. 480,964. 9 Claims. (Cl. 197—140.)



1. In a front-strike typewriting machine, in combination, a platen, and a card-controlling device mounted above the platen comprising a plate extending longitudinally of the platen, a side-edge gage extending upwardly therefrom, and an arm extending from said side-edge gage parallel to the plate and having a finger extending toward the plate but spaced therefrom to permit ready insertion of the card while engaging the front face thereof to hold the same against the platen at the printing line.

1,501,911. FIRE-RESISTING OR FLAMEPROOF STARCHING COMPOSITION. LEWIS D. MATHIAS, Chicago Heights, Ill., assignor to Victor Chemical Works, Chicago, Ill., a Corporation. Filed Dec. 27, 1921. Serial No. 524,922. 9 Claims. (Cl. 23—5.)

9. A fireproofing and starching composition comprising an alkali metal phosphate and borate, in proportions to form an aqueous solution non-crystallizing under ordinary atmospheric conditions, and starch.

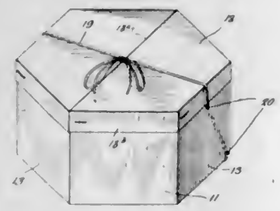
1,501,912. DANCING DOLL. FLORENCE B. MEEHAN, Highland Park, Ill. Filed June 21, 1920. Serial No. 390,534. 5 Claims. (Cl. 46—40.)

5. In a toy figure, an upwardly extending rod having a handle portion at the lower end thereof, a head supported upon the upper end of said rod, a body portion adjacent said handle and below said head and adapted



to be rotated and moved up and down in respect to both said head and handle, and a pair of limbs supported on said body portion.

1,501,913. COLLAPSIBLE BOX. EDWARD K. MORRIS, Baltimore, Md. Filed Feb. 20, 1923. Serial No. 620,170. 6 Claims. (Cl. 229—41.)



1. A collapsible box comprising side walls which are flexibly connected at the corners of the box, a bottom which is foldable inwardly between the side walls on a median line, a pair of diametrically opposite side walls having tongues at the bottom and the box bottom having slits into which the tongues are removably insertible, and a tie-string threaded at its ends through opposite side walls and passing intermediate its ends over the bottom corners of the box and across the box-bottom, said intermediate portion of the tie-string being also threaded through the slits of the box bottom, said tie string further extending longitudinally over the tongues on the outside thereof whereby to draw said tongues securely into position and prevent their disengagement from the slits.

1,501,914. FERTILIZER AND PROCESS OF MAKING THE SAME. YASUJURO NIKAIDO, Bay City, Mich., assignor to Michigan Chemical Company, a Corporation of Michigan. Filed June 7, 1922. Serial No. 566,586. 4 Claims. (Cl. 71—6.)

1. The process of making a fertilizer in solid form which consists in treating concentrated beet sugar residue with sulphuric acid, heating the mass and then treating with lime.

1,501,915. PROCESS OF MAKING FERTILIZERS. YASUJURO NIKAIDO, Bay City, Mich., assignor to Michigan Chemical Company, a Corporation of Michigan. Filed Aug. 28, 1922. Serial No. 584,865. 3 Claims. (Cl. 71—9.)

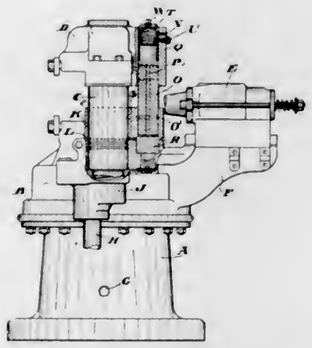
1. The process of making a fertilizer in solid form, which consists in treating concentrated beet sugar residue with sulphuric acid and heating at a temperature upwards of 200° C., mixing with acid phosphate and then drying the product.

1,501,916. FERTILIZER AND PROCESS OF MAKING THE SAME. YASUJURO NIKAIDO, Bay City, Mich., assignor to Michigan Chemical Company, a Corporation of Michigan. Filed Oct. 9, 1922. Serial No. 593,444. 8 Claims. (Cl. 71—6.)

1. A fertilizer in the form of a permanently dry solid produced by treating beet sugar residue with acid and heating at a temperature upwards of 200° C.

2. A process of producing a fertilizer which consists in treating concentrated beet sugar residue with an acid and heating at a temperature of upwards of 200° C. until the mass when subsequently cooled forms a permanently dry solid.

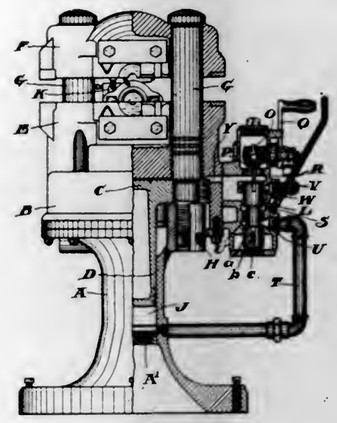
1,501,917. OILING DEVICE FOR DRILL SHARPENERS. ARTHUR E. PETERS, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 21, 1923. Serial No. 664,006. 4 Claims. (Cl. 76—5.)



2. In a drill sharpener, the combination of a guide, a cross head rod in said guide, a cross head on said rod, and means for supplying oil to said rod and guide, including a hollow stationary plunger forming a guide for said cross head and having a well at the lower end communicating with said rod guide, and a cylinder for said plunger in said cross head and having a compression space above said plunger and a relief hole to relieve the greater part of the pressure in said cylinder caused by reciprocation thereof.

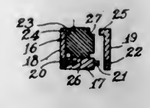
1,501,918. SHARPENER FOR DRILL STEELS. ARTHUR E. PETERS and MORTIMER S. PARKHILL, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 14, 1923. Serial No. 680,688. 7 Claims. (Cl. 76—5.)

1. In a drill sharpening device, a clamping cylinder, a raising cylinder and a dolly cylinder, a valve having three consecutive operating positions and adapted to connect a supply of motive fluid with said raising cylinder in the first position and to exhaust the clamping cylinder to atmosphere; to associate said motive fluid supply with said clamping cylinder in the second position and to bleed said raising cylinder; and in the third position to



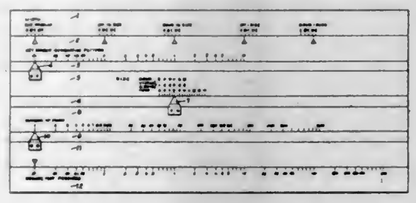
associate said clamping cylinder and said dolly cylinder with said motive fluid supply and to continue to bleed said raising cylinder.

1,501,919. RUBBER HOLDER FOR CYLINDERS. JOHN PETERS, Huntington, N. Y. Filed Jan. 23, 1922. Serial No. 531,301. 3 Claims. (Cl. 164—66.)



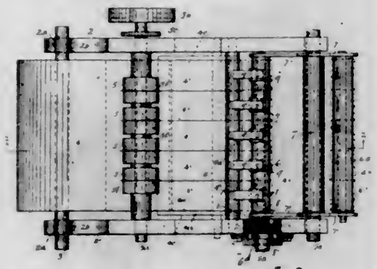
1. A holder for a resilient strip which is rectangular in form in cross section and the corner portions of which are cut out to form rabbet grooves, said holder being approximately of channel formation and being provided with flanges adapted to enter two of the rabbet grooves of said strip for holding said strip against displacement in said holder.

1,501,920. LEATHER-ESTIMATING SLIDE RULE. MARTIN H. REYMOND, Binghamton, N. Y. Filed May 18, 1922. Serial No. 562,017. 4 Claims. (Cl. 235—70.)



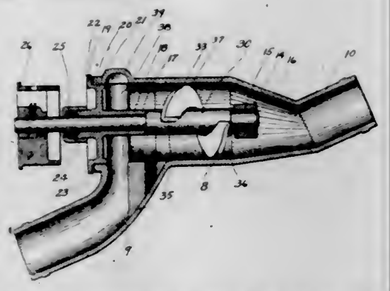
1. A logarithmically graduated multiple slide rule comprising in respective order: a stationary scale on the body of the rule; an adjacent slide containing a marker cooperating with said scale, and a second scale; a second slide containing a marker cooperating with said second scale, and a third scale; a third slide containing a marker cooperating with said third scale, and a fourth scale; and finally a fifth scale on the body of the rule cooperating with said fourth scale.

1,501,921. MACHINE FOR WINDING CORES. LINO SCUSA, Phoenix, N. Y. Filed Feb. 2, 1922. Serial No. 533,504. 8 Claims. (Cl. 93—81.)



1. In a machine for making hollow cores from a continuous web of stock, a pair of feed rollers for the web, means for slitting said web while it is passing between said rollers for providing a number of similar strips, a table for supporting said strips in a common plane while the strips are being moved towards the core winding position, a mandrel having a longitudinal groove disposed in the path of the forwardly moving strips, means for cutting said strips transversely into elongated sheets simultaneously with the entry of the forward ends of the strips into the groove of the mandrel, means for rotating said mandrel for winding said sheets into hollow cores, and means for repeating the cutting operation once during each revolution of the feed rolls.

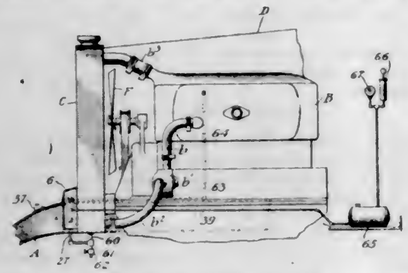
1,501,922. PUMP. HENRY N. SCHOFIELD, Kansas City, Mo. Filed Apr. 24, 1922. Serial No. 556,202. 4 Claims. (Cl. 103—89.)



1. A pump comprising a casing having an intermediate, cylindrical portion, a circumferential recess at one end forming a whorl chamber, an inlet tube adjacent to the recessed portion, a tubular outlet at the opposite end, a partition across the chamber near the upper end thereof, a spider within the casing comprising flat blades, the sides of which are arranged longitudinally of the casing, a cap closing the end of the casing distant from the outlet, a bearing in the cap, a shaft projecting through the bearing so that one end extends within the casing and the other outside the casing, a pulley on the end of the shaft outside the casing, and an impeller on the shaft inside the casing, the impeller comprising a spiral blade extending 360 degrees around the shaft so that there will be an open unimpeded space between the ends of the blade to permit water to pass through when the blade is still, and a bearing on the spider for supporting one end of the shaft.

1,501,923. HEATER. HENRY C. SEIPP, Pittsburgh, Pa. Filed Jan. 20, 1922. Serial No. 530,648. 7 Claims. (Cl. 123—174.)

1. The combination with an automobile having a water cooled engine, of a circulation system therefor including a radiator, pipes for conducting water to and from the engine to and from the radiator, a heater for maintaining the water in the cooling system at an elevated temperature comprising a casing having a



burner and water heating means therein, a pipe leading from the bottom of the radiator to the heater, a riser pipe leading from the heater to the engine, and means for conducting heated gases from the burner to the radiator.

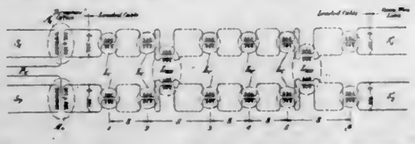
1,501,924. PROCESS OF OBTAINING FIBERS FROM BAGASSE. JOHN K. SHAW, Minneapolis, Minn. Filed Oct. 23, 1920. Serial No. 419,046. Renewed Jan. 20, 1923. 2 Claims. (Cl. 92—7.)

1. The process of treating bagasse and analogous fibers which consists in cooking said fibers with their natural pith sufficiently to loosen their encrusting casings but insufficiently to dissolve a substantial portion of said pith; subjecting said fibers to the action of a beating engine; separating out a portion of the long fibers from the short fibers present after leaving said engine; and subjecting said portion of long fibers to a second cooking action to produce a paper making pulp, substantially as described.

1,501,925. BAGASSE FIBER AND PROCESS OF PRODUCING THE SAME. JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Mar. 26, 1920. Serial No. 368,993. 6 Claims. (Cl. 92—14.)

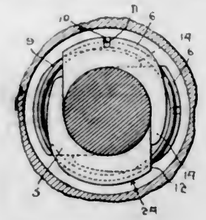
1. The process of producing flexible and strong bagasse fibers provided with pith like protuberances which consists in cooking the same while associated with their natural pith for a time and at a temperature insufficient for paper making purposes, and in a solution containing a weight of alkali not exceeding 20% of the bone dry weight of the fibers until the strength of said alkali is practically exhausted; and recovering the fibers thus treated, substantially as described.

1,501,926. LOADED TRANSMISSION CIRCUIT. THOMAS SHAW, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 30, 1922. Serial No. 571,849. 14 Claims. (Cl. 178—45.)



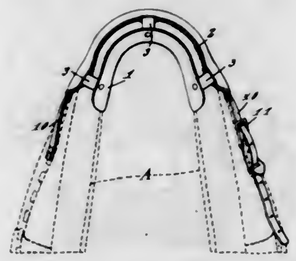
1. A transmission system including a phantomed group of conductors, the phantom circuit being loaded to transmit one limited range of frequencies and the side circuits being loaded to transmit another limited range of frequencies, one of said ranges being considerably wider than the other.

1,501,927. ROD PACKING. JOHN W. SHEPARD, Tucson, Ariz. Filed July 23, 1920. Serial No. 398,514. 2 Claims. (Cl. 288—3.)



1. A packing ring comprising a pair of relatively movable overlapping complemental segments, each of said segments formed with a relatively thick peripherally grooved body having a flat bearing surface at one end and an inwardly directed laterally disposed tapered finger at the opposite end, the lateral finger of one segment having slidable contact with the bearing surface of the other segment, a circular contractile split spring encircling said segments and mounted in the grooves thereof and spaced radially from said fingers, one of said segments provided with a slot extending at right-angles with respect to its groove, and one of the ends of said spring formed with an extension disposed at right-angles with respect to the plane of the spring and positioned in said slot to prevent circumferential shifting of the spring with respect to the segments.

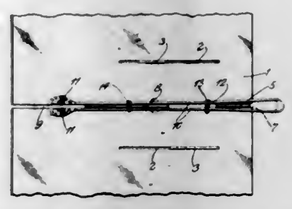
1,501,928. HORSE COLLAR. ROBERT M. SWINDLER, Ottawa, and GEORGE L. BRADSHAW, Topeka, Kans. Filed Dec. 29, 1923. Serial No. 683,394. 3 Claims. (Cl. 54—19.)



2. An attachment for horse collars including upper and lower pads for the reception of a portion of a collar therebetween, connections between the front and back of the pads, said upper pad including superposed layers of material fastened together at their edges and longitudinally at an intermediate point, a filling strip interposed between the layers to provide an outstanding retaining rib, and the portion of the pad back of the retaining rib constituting a strap receiving casing open at its ends.

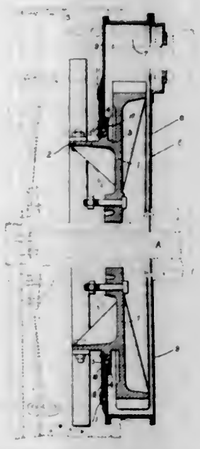
1,501,929. GRAIN BINDER. WILLIAM TRIPPE, Holstein, Mo. Filed Oct. 9, 1922. Serial No. 593,247. 3 Claims. (Cl. 56—433.)

3. In a grain binder the combination with a binder deck having a slot therein, a needle arranged to operate through said slot, and an arm supported near the lower end of the deck and arranged to swing to and from a position above the deck below said needle, of a bifurcated member having its connected ends below said arm and having its detached ends pivoted to said deck above said needle, one of said arms of said bifurcated member being at each side of said needle and said first named arm, a spacer between the arms of said bifurcated member above said first named arm and below said needle, a bolt passing through said arms of said



bifurcated member and through said spacer and clamping said parts together, and an element supported by said needle arranged to engage both of the arms of said bifurcated member to raise said member as an incident to operation of the needle in a tying operation.

1,501,930. DRIVING GEAR FOR TRACTORS AND THE LIKE. JUAN BAUTISTA VERGÉS, Buenos Aires, Argentina. Filed Dec. 15, 1923. Serial No. 681,018. 5 Claims. (Cl. 74—7.)

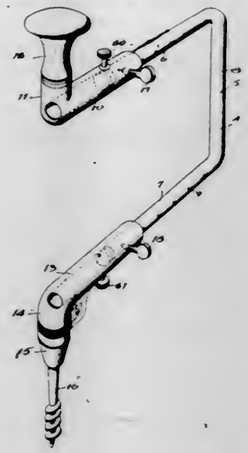


1. In combination with a driving wheel for tractors, a driving gear comprising a flanged disk integral with said gear; a case surrounding said gear; a retaining disk secured to said case; a cover disk secured to said flanged disk of the gear; a joint protector secured to said retaining disk and overlapping the free edge of said cover disk; and means for obtaining a tight joint between said retaining disk and the flanged disk on one side and the cover disk on the other side, said flanged disk and the driving gear forming a channel for the passage of oil.

1,501,931. ADJUSTABLE BRACE. CALEB S. WEDDLE, Casper, Wyo. Filed Mar. 2, 1923. Serial No. 622,393. 1 Claim. (Cl. 145—66.)

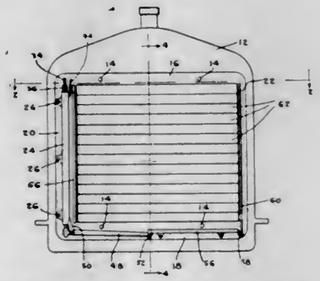
As a new article of manufacture, a hand brace comprising a U-shaped hand crank including a pair of arms having equidistantly spaced sockets therein and annular grooves adjacent to the outer ends thereof, a hand rest portion including a laterally extending sleeve, one of said arms being rotatably and slidably mounted in said sleeve, a bit socket portion including a laterally extending sleeve for slidably and rotably receiving the other

arm, spring pressed dogs carried by the sleeves of the hand rest and socket portions for engaging in said grooves when the hand crank is pulled out to its fullest



extent to prevent the accidental displacement of said hand crank from said sleeves, and set screws carried by said sleeves for engaging in said sockets to hold the hand crank in an adjusted position in said sleeves.

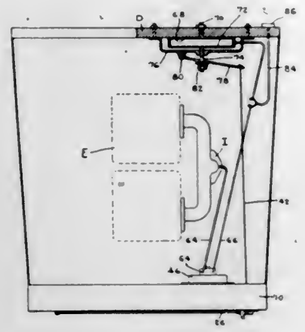
1,501,932. DEVICE FOR AUTOMATICALLY CONTROLLING THE TEMPERATURE OF AUTOMOBILE RADIATORS. ALBERT A. WILSON, Minneapolis, Minn. Filed May 28, 1921, Serial No. 473,278. Renewed May 14, 1924. 4 Claims. (Cl. 236—35.)



1. A device for automatically controlling the temperature of automobile radiators comprising a thermostatic tube mounted at the front of the radiator, an auxiliary thermostat mounted on the back of the radiator, connections between said auxiliary thermostat and said thermostatic tube whereby the action of the latter is supplemented, shutters mounted in front of the radiator and connections between said shutters and said thermostatic tube for causing said shutters to open and close.

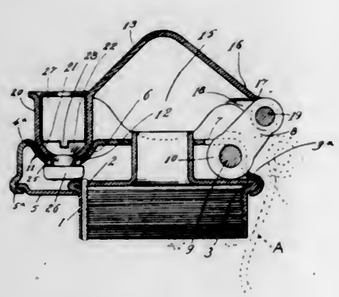
1,501,933. DEVICE FOR AUTOMATICALLY CONTROLLING THE TEMPERATURE OF COOLING SYSTEMS OF INTERNAL-COMBUSTION ENGINES. ALBERT A. WILSON, Minneapolis, Minn. Filed Dec. 31, 1921, Serial No. 526,364. Renewed May 26, 1924. 2 Claims. (Cl. 123—174.)

1. A device for automatically controlling the temperature of cooling systems of internal combustion engines of motor vehicles comprising a casing secured to the dash of the motor vehicle, one of the walls of said casing constituting a diaphragm, a closure device mounted in front of the radiator, connections between said diaphragm and said closure device whereby inward movement of said diaphragm will open said closure device, a pipe connection between the chamber of said casing and the intake of the



engine, a thermostat secured to the back of the radiator, and a movable member operated by said thermostat, said member normally closing the passageway through said pipe connection and causing said passageway to be opened when said thermostat expands a predetermined amount.

1,501,934. STEERING-WHEEL LOCK. SOLOMON WISE, Cincinnati, Ohio. Filed July 19, 1922. Serial No. 575,925. 14 Claims. (Cl. 70—129.)

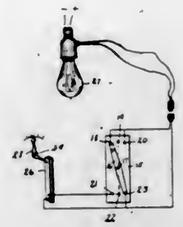


8. In a steering wheel lock, a gear case cover, means on the said cover comprising a hinge, and a lock part, a lock plate secured to said hinge, said lock plate having a complementary lock part, said lock plate hinge and lock parts so located that the lock plate will swing up and over the hub of a steering wheel and be locked in place in such position.

1,501,935. ALARM CLOCK. HARRY WONG, Duluth, Minn. Filed Apr. 3, 1923. Serial No. 629,680. 2 Claims. (Cl. 58—19.)

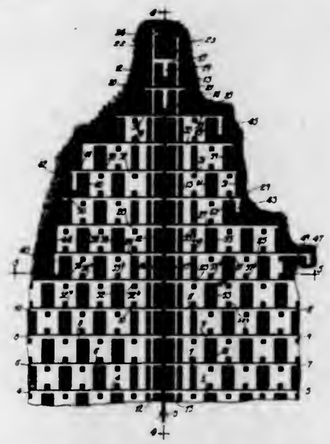
1. The combination with an alarm clock having a sound producing alarm thereupon and an electric light and circuit therefor cooperatively connected therewith, and a manually controlled switch comprising a plurality of selective terminals whereby the light may be caused to function independently of the alarm, with the alarm, or neither, of means within the electric light circuit for

regulating the duration thereof comprising two normally parallel spaced resilient terminals, the action of one of which towards the other is governed by the clock



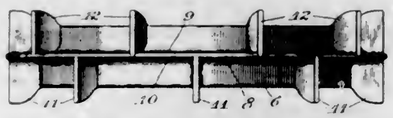
mechanism, and means for manually adjusting the other to determine the spaced relation thereof for the purpose described.

1,501,936. METHOD OF MINING. EDWIN BALL, Birmingham, and CLARENCE E. ABBOTT, Bessemer, Ala. Filed May 12, 1922. Serial No. 560,394. 10 Claims. Cl. 262—1.)



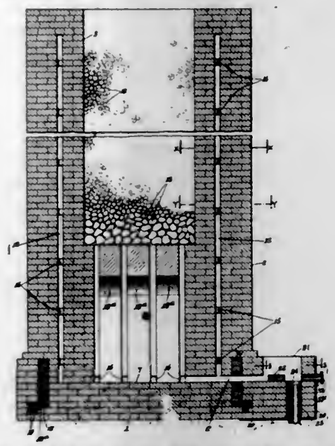
1. The method of mining which consists in driving a main slope beneath an inclined seam or deposit, turning levels laterally from the slop in the deposit, driving manways in advance of the main slope and substantially parallel to the center line thereof, connecting the manways by levels in advance of the slope and raising the slope from said levels.

1,501,937. TRACTION WHEEL. BERT R. BENJAMIN, Oak Park, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed May 26, 1922. Serial No. 563,962. 4 Claims. (Cl. 301—41.)



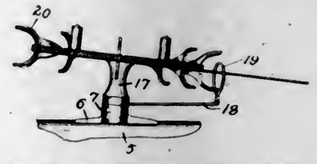
4. As an article of manufacture, a traction wheel having a rim, a centrally disposed rib of gradually decreasing thickness extending radially outward therefrom, the sides of the rib merging into the outer face of the rim, radial traction lugs of the same height as the rib secured to opposite sides thereof and to the rim and extending laterally beyond the rim.

1,501,938. MASONRY CONSTRUCTION FOR CHEMICAL APPARATUS. VERN K. BOYNTON, New York, and PAUL W. WEBSTER, Pelham Manor, N. Y., assignors to Perry & Webster Incorporated, Elizabeth, N. J., a Corporation of New Jersey. Filed July 13, 1918. Serial No. 244,825. 21 Claims. (Cl. 25—1.)



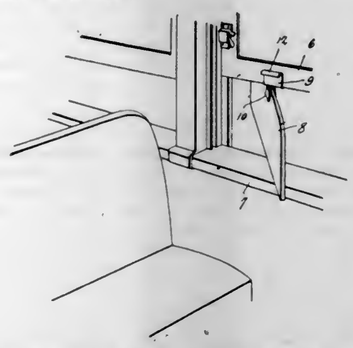
1. In an apparatus of the class described, the combination of a flat base, an outer enclosure and an inner enclosure, the latter consisting of a plurality of walls loosely mounted on said base.

1,501,939. FISHING-REEL ATTACHMENT. WALTER BRINTZENHOFE, Bluffton, Ind. Filed Aug. 30, 1922. Serial No. 585,223. 4 Claims. (Cl. 242—84.5.)



1. In a fishing reel, a brake, spring means normally holding the brake in operative braking position with the reel, and means for releasing the brake through the movement of the reel during the reeling in of the line.

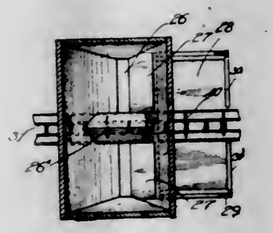
1,501,940. VENTILATOR. EDWARD A. BROWN, Fort Worth, Tex. Filed May 3, 1923. Serial No. 636,454. 3 Claims. Cl. 98—22.)



1. The combination with a window sash; of a ventilator including a relatively rigid shield extending in the direction of the length of said sash beyond one rail thereof,

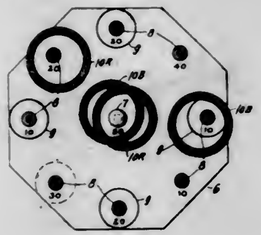
a sash attaching means for said shield comprising sash and shield engaging members, and a pivotal connection between said members extending in the direction of the length of said sash.

1,501,941. FEEDING MECHANISM FOR POTATO PLANTERS. NORMAN E. BUNTING, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 19, 1919. Serial No. 346,181. 9 Claims. (Cl. 198—56.)



1. In potato feeding mechanism, the combination of a hopper, spaced outlets at the bottom of its rear wall, a table extending rearwardly below each outlet and a conveyor between the tables and extending beneath the hopper.

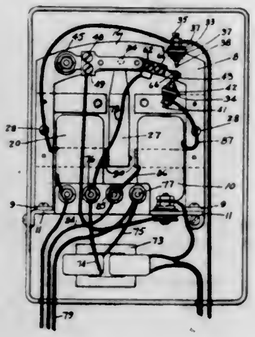
1,501,942. GAME. DENSLAY L. CARMAN, Selby, S. Dak. Filed Apr. 27, 1923. Serial No. 635,108. 1 Claim. (Cl. 46—59.)



A game comprising a base plate, a plurality of vertically disposed, spaced pins secured in said plate and having a designating number on the base adjacent each pin, and rings adapted to be tossed or thrown in a manner to each engage one of said pins and means for varying the designation of one or more of the pins; said means for varying the numerical designation of the pins comprising washers adapted to beplaced on any of said pins and to rest on the base to cover the numerical designation of the pin.

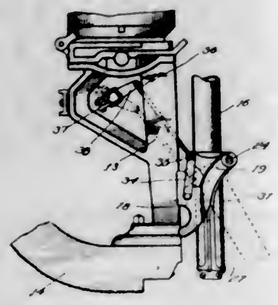
1,501,943. SWITCH MECHANISM. FREDERICK S. DENISON, Minneapolis, Minn., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Aug. 7, 1922. Serial No. 580,559. 4 Claims. (Cl. 200—98.)

4. An electric switch mechanism including a frame, electromagnets on the frame, an armature pivoted on the frame between the electromagnets to be selectively shifted in reverse directions thereby, a rock shaft on the frame, a connection between said armature and shaft to oscillate the shaft, a pair of spaced arms insulatedly mounted on said shaft, a contact member pivotally mounted between said spaced arms, contacts on opposite sides of said contact member, spaced contacts on said frame opposite said contacts on said contact member, and a coiled spring arranged between said spaced arms and connecting the rear end of the latter with said contact member, said



spring being constructed and arranged to hold said contact member into shifted position on opposite sides of the pivot connecting said contact arm to said spaced arms.

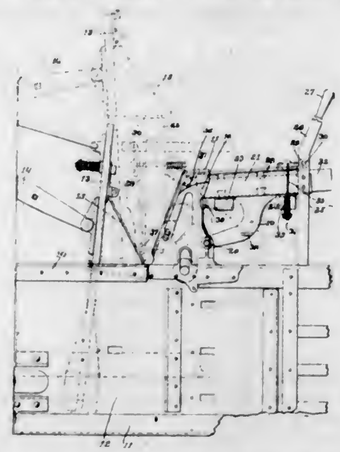
1,501,944. FERTILIZER ATTACHMENT FOR PLANTERS. RALPH L. FORD, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 19, 1919. Serial No. 346,182. 5 Claims. (Cl. 111—51.)



1. The combination of seed discharging and fertilizer discharging devices, means for causing both devices to discharge intermittently including means for varying the distance between the points at which the seed and fertilizer are discharged comprising a movably supported spout on the fertilizer discharging device, a movably supported closure for the spout, operating means therefor, means for connecting the operating means either to the spout or to the closure, and means for immovably locking the non-operating element.

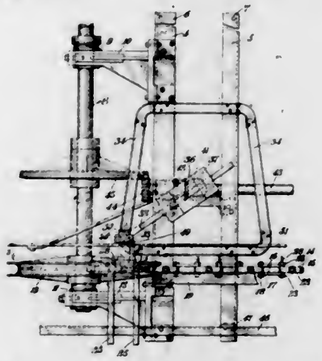
1,501,945. BLOCK-SETTING MECHANISM FOR BALING PRESSES. ALBERT GRIEVES, Springfield, Ohio, assignor to International Harvester Company, a Corporation of New Jersey. Filed June 23, 1919. Serial No. 305,993. 10 Claims. (Cl. 100—24.)

1. In a baling press, a frame, a block setter pivotally mounted thereon, resilient means carried by the block setter for yieldingly retaining a block in the setter when in discharging position, and means engaging the resilient



means when the setter is in block receiving position to positively limit insertion of a block.

1,501,946. ELECTROPLATING APPARATUS. WESLEY F. HALL, Matawan, N. J., assignor to A. P. Munning & Co., New York, N. Y., a Corporation of New Jersey. Filed Apr. 28, 1922. Serial No. 557,116. 18 Claims. (Cl. 204—11.)



1. An electroplating apparatus comprising a work holder for articles to be plated, a conveying mechanism adapted to move said work holder continuously along a tank, and means engaging said work holder at the delivery end of the tank for disconnecting such work holder from said conveying mechanism, and raising the work holder above the tank.

1,501,947. PRINTER'S GAUGE. FREDERICK M. HILLMAN, Indianapolis, Ind. Filed Apr. 25, 1923. Serial No. 634,630. 1 Claim. (Cl. 33—143.)



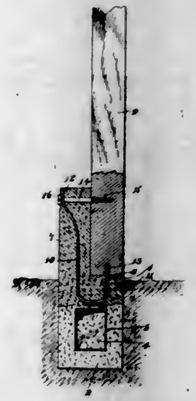
A printer's gauge comprising a bar having graduations thereon and a projection at one end thereof with the inner face of said projection at right angles to said bar, an adjustable slide formed with an opening to fit about said bar and mounted thereon, said slide having a projecting inner face in opposed parallel relation to the inner face of the projection on the end of the bar, and having a perforation in one wall of the opening and registering with a depression in the opposite wall of the opening, said bar having transversely extending openings therethrough adapted to be brought into registry with the perforation and depression in the slide, and a securing member adapted to extend through said perforation and engage any opening in the bar and the depression in the slide, substantially as set forth.

1,501,948. CUTTING TOOL. GEORGE E. HILL, Pittsburgh, and RAYMOND R. WILLIAMS, Glenshaw, Pa. Filed Sept. 23, 1922. Serial No. 590,128. 5 Claims. (Cl. 30—9.)



1. In a cutting tool, a blade holder comprising a pair of opposed leaves, each having an elongated bolt hole therethrough adapted to permit the slidable operation of a bolt therein, a cutting blade between the leaves having an indentation formed in each end thereof, and means passing through the cutting blade indentations and the holder leaves, for securing the said cutting blade in operative position.

1,501,949. FENCEPOST BASE. FRANK HOBART, Marseilles, Ill. Filed July 23, 1923. Serial No. 653,219. 8 Claims. (Cl. 72—84.)

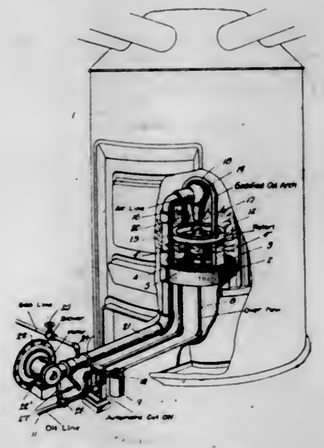


4. A concrete base for fence posts comprising a body portion having its top provided with a vertical extension, a combined reinforcing and coupling member embedded in the extension and body portion and further projecting through the top of said body portion to provide a fence post securing means, and a fence post securing element extending transversely of and projecting from the inner side of said extension.

1,501,950. OIL BURNER. WALTER S. HUMPHREY, Kansas City, Mo. Filed June 11, 1923. Serial No. 644,618. 4 Claims. (Cl. 158—66.)

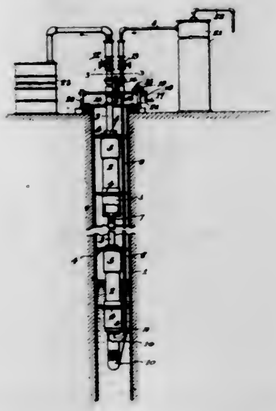
1. In an oil burner, a base comprising a ring-shaped member filled with loose material to admit air through the member, an oil pan within the ring, a centrally lo-

cated refractory member above the pan, a support for said member, a ring-shaped retort above the base and about the refractory member, a hollow arch communicat-



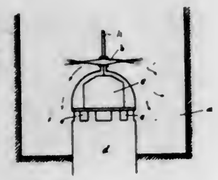
ing with the retort, and a spherical mixing chamber communicating with the hollow arch and having a nozzle in line with the refractory member.

1,501,951. AIR PUMP FOR WELLS. JAMES B. KENNEDY, Bainbridge, Ga., assignor of one-half to H. G. Bell, Bainbridge, Ga. Filed Oct. 31, 1922. Serial No. 598,143. 3 Claims. (Cl. 103—232.)



1. In an air pump water conducting element, a lower terminal casing comprising a body portion having a closed bottom and one of its sides perpendicular and slotted, said body portion further including a top formed with an opening and an upstanding peripherally threaded annular flange for coupling the casing with the body portion of the conducting element flush with said opening, said top further having an opening positioned between the lower end of the flange and one end of the top for connecting an air supply pipe to the casing, and said top projecting laterally from the upper end of the body portion throughout to provide a flat ledge extending entirely around said flange.

1,501,952. PROCESS OF AND APPARATUS FOR EVAPORATING LIQUIDS. GEORG ALEXANDER KRAUSE, Munich, Bavaria, Germany, assignor, by mesne assignments, to American Lurgi Corporation, New York, N. Y., a Corporation of New York. Filed June 19, 1920. Serial No. 390,302. 6 Claims. (Cl. 159—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



5. In apparatus for evaporating liquids, an atomizer including a vessel having discharge orifices for forming a substantially horizontal stratum of mist, means disposed below the atomizer for supplying a drying medium and means for minimizing the formation of a zone of reduced pressure adjacent the discharge orifices, said means consisting of means for positively deflecting at least a part of the drying medium into the region in which the zone of reduced pressure would normally be formed.

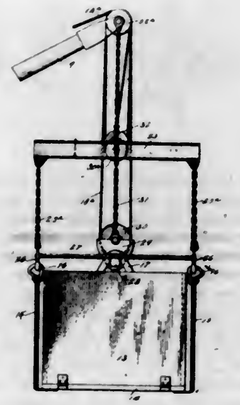
1,501,953. FISHING LEADER. ELMER LESLIE, Medford, Oreg. Filed Dec. 13, 1922. Serial No. 606,675. 1 Claim. (Cl. 43—28.)



A fishing leader including a leader member of wire for connecting a hook with a fishing line, and a coating of silver solder covering the wire and tending to render the leader invisible when in the water.

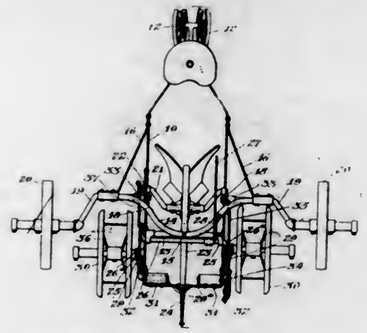
1,501,954. BATCH-BOX APPARATUS. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed June 6, 1922. Serial No. 566,362. 11 Claims. (Cl. 212—41.)

1. Batch box handling apparatus comprising a hoisting cable, a batch box comprising dumping doors and operative connections intermediate the doors of the batch box and the said cable and intermediate the said cable and the batch box body together with means to act on one of said connections whereby on proper move-



ment of the cable relative movements may be imparted to the batch box body and its doors to open the same for dumping action.

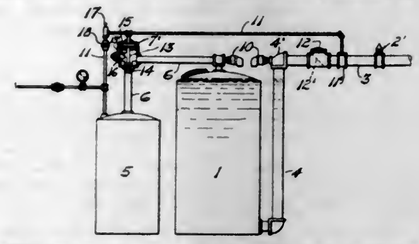
1,501,955. LISTER PLOW. ALEXUS C. LINDGREN, Evanston, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,508. 11 Claims. (Cl. 97—84.)



1. In a furrow forming machine, the combination of a furrow forming tool, a frame on which the tool is mounted, supporting means on the frame adapted to engage the ground at either of two definite distances on each side of the tool with the point of support on one side of the tool substantially twice as distant from the tool as the point of support on the other side, and means for shifting from one supporting position to the other thereby reversing the respective locations of the points of support with reference to the tool.

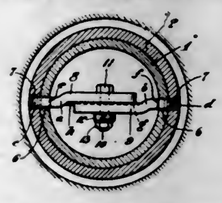
1,501,956. DRY-PIPE SYSTEM. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 554,911. 7 Claims. (Cl. 169—9.)

1. A dry pipe system comprising a distributing pipe, means open to atmosphere for holding a supply of liquid therefor, whose location and connections afford free passage for the liquid into the distribution pipe, and yet normally hold it back therefrom, as by gravity; means having a supply of compressed air adapted when released to flow into said holder; means actuated by in-



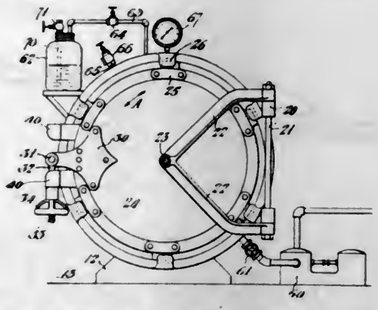
rush of air for closing said holder to atmosphere whereby said air forces said liquid into said pipe; and temperature controlled means for releasing said air.

1,501,957. DISK OR RETAINING MEANS FOR WELL PACKERS. PATRICK H. MACK, Bradford, Pa., assignor to Oil Well Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 28, 1919. Serial No. 341,175. 2 Claims. (Cl. 166—10.)



1. A retaining device for use in connection with well packers or the like consisting of a pair of longitudinally arranged overlapping bridge members each having a socket engaging terminal, one member being provided with an inner transversely concave face and the other with an inner transversely convex face respectively, of a common radius in continuous normal bearing contact one with the other, and a middle transverse connecting bolt and resilient washer, whereby to resiliently hold the members together and effect cumulative friction between said contacting faces upon deflection.

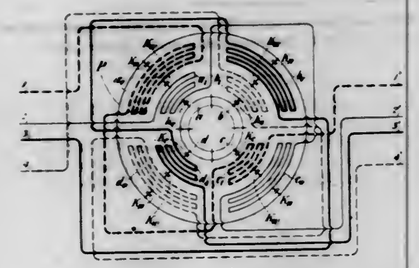
1,501,958. APPARATUS FOR DESTROYING ANIMAL LIFE. DAVID B. MACKIE, Los Angeles, Calif. Filed Jan. 8, 1921. Serial No. 435,892. 5 Claims. (Cl. 292—300.)



1. In a container the combination of a shell; a cover fitting tightly over one end of said shell; a support for said cover; means for pivoting said support on said shell; means for pivoting said cover on said support; a series of lugs on said shell; a series of lugs on said cover engaging said lugs on said shell, one of said series

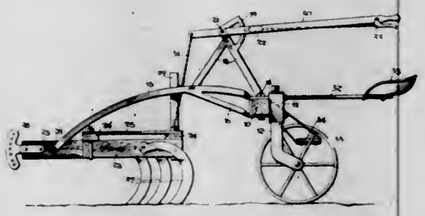
being so formed that said cover is forced against said shell when said cover is rotated; a projection on said cover; a pin turning in said projection; a bolt secured to said pin; a hand wheel threaded on said bolt; and ears on said shell above and below said projection, said ears being so formed that either may be engaged by said hand wheel by turning said bolt.

1,501,959. LOADED TRANSMISSION CIRCUITS. WILLIAM H. MARTIN, New York, N. Y., and THOMAS SHAW, Hackensack, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed June 30, 1922, Serial No. 571,893. Renewed Nov. 22, 1923. 11 Claims. (Cl. 178—45.)



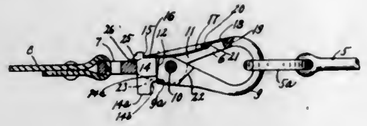
1. In a transmission system comprising a phantomed group of conductors, the side circuits of which are loaded by coils spaced at intervals such as to give satisfactory transmission for a range of frequencies higher than that transmitted over the phantom and the phantom circuit of which is loaded by coils spaced at greater intervals than the side circuits, a loading unit to be included in the phantomed group of conductors at the phantom loading points, said loading unit comprising a phantom loading coil and side circuit loading coils, the inductance of the side circuit loading coils being less than that of the side circuit loading coils at non-phantom loading points by an amount equal to the leakage inductance introduced into the side circuit at the phantom loading point by the phantom loading coil.

1,501,960. PLOW-OPERATING APPARATUS. CHARLTON S. MATTHEWS, Little Mountain, S. C. Filed Aug. 9, 1923. Serial No. 656,617. 2 Claims. (Cl. 97—100.)



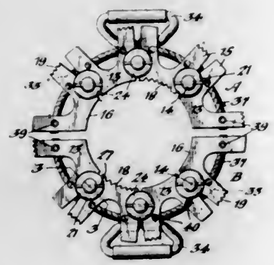
1. An apparatus of the class described, comprising a rear support mounted for movement over the ground, a carrier frame including spaced side members extending forwadly of the support, a frame carrying plow elements and connected to swing at its forward end to the forward ends of said carrier frame side members, guide devices rising from said plow frame and slidably engaged by said carrier frame side members, and means attached to said plow frame for swinging the same on its pivotal connection to the carrier frame.

1,501,961. SNAP HOOK. JOHN P. MATTSON, Minneapolis, Minn. Filed Nov. 8, 1923. Serial No. 673,618. 6 Claims. (Cl. 24—233.)



1. A snap hook comprising a body member having an eye for securing it in place of service, said member having a longitudinal slot, a second member having a flat and angular end pivoted in the slot in spaced relation to the terminal of the slot nearest said eye, the other end of the second member being hook shaped and arranged to close with its point against the free end of the body member, a key fitted to slide tansversely in the slot snugly between the terminal thereof and the angular end of the pivoted hook member, whereby the latter is normally held in closed position, a spring arranged to normally hold the key with the hook closed, said key having its rear end protruding through the slot to give a chance to push it endways when the hook is to be opened, said key having a clearance allowing the hook to be swung open when the key is sufficiently pushed against the resistance of its spring.

1,501,962. CASING SLIP FOR DRILLING APPARATUS. GUSTAVUS A. MONTGOMERY, Titusville, Pa., assignor to Titusville Forge Co., Titusville, Pa., a Corporation of Maryland. Filed Apr. 10, 1923. Serial No. 631,236. 18 Claims. (Cl. 24—263.)

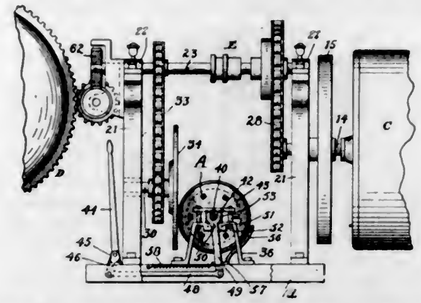


1. A casing slip of the character described, comprising a plurality of separate slip units, each unit including a plurality of sectors, and means for hingedly connecting the sector of each unit to one another and limiting them to pivotal movement about the axes of said hinge means.

1,501,963. HOIST. JAMES B. MCQUEEN, Preston, Idaho. Filed April 11, 1921. Serial No. 460,331. 2 Claims. (Cl. 254—186.)

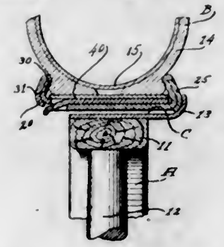
1. A hoisting mechanism comprising a supporting frame, a bracket carried by said supporting frame having a slot therein, a member connected to said bracket providing a slot therein in aligning relation with the slot of said bracket, a shaft having one end thereof provided with an opening therethrough, a bolt connected through said shaft opening and extending through the aligning slots of said bracket and member, a nut for clamping said bolt in a determined relation along the aligning slots whereby the shaft may be pivotally

connected between the bracket and the member, a driving mechanism including a drive wheel, a drum rotatably



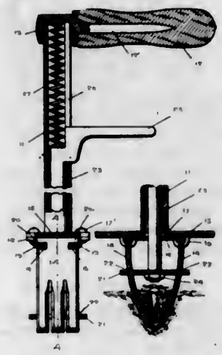
carried by the shaft remote from its pivotal connection, a driven wheel affixed to said drum, and means for moving the shaft upon its pivot whereby the driven wheel may be moved into engagement with the drive wheel.

1,501,964. DEMOUNTABLE RIM. JOHN N. MCQUEEN, Preston, Idaho. Filed Dec. 19, 1921. Serial No. 523,477. 5 Claims. (Cl. 301—35.)



1. A wheel rim for vehicle tires comprising band sections telescopically connected together, locking seats formed in one of the sections adjacept to the outer edge thereof, and rigid locking tongues carried by the other section, adjacent to the outer edge thereof for engaging in said seats when the sections are disposed in their assembled operative tire engaging position.

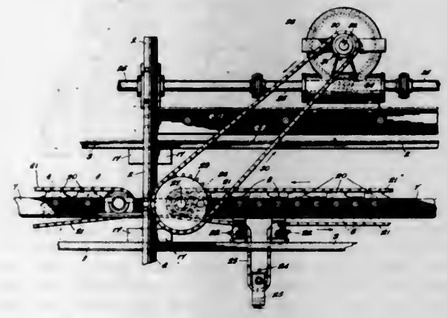
1,501,965. WEED EXTRACTOR. WALTER C. MOORS, Owensboro, Ky. Filed Sept. 10, 1923. Serial No. 661,858. 4 Claims. (Cl. 55—68.)



1. An extractor comprising a shank, a pair of superposed plates secured to the shank, jaws having their upper ends abutting the upper plate and having hinge portions, the lower plate having portions receiving said hinge portions and holding them between the plates, and operating means connected to the jaws.

4. An extractor comprising a tubular shank, a pair of plates, one of the plates being fitted on the end of the shank and the other plate abutting the end of the shank, to secure the plates to the shank, jaws having hinge portions, said plates having portions receiving and holding said hinge portions between them, and operating means connected to the jaws and including a rod slidable in said shank and secondnamed plate.

1,501,966. DRYING APPARATUS. TREADWAY B. MUNROE, New Orleans, La., assignor to C. F. Dahlberg, New Orleans, La. Filed Dec. 3, 1921. Serial No. 519,748. 13 Claims. (Cl. 34—12.)



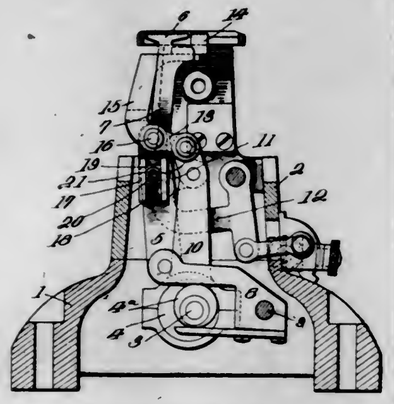
1. In a drier for heat insulating fiber boards, the combination of a frame work; a plurality of sets of conveyer rollers mounted for rotation in said frame work; a separate driving means for each set of rollers comprising a driving and a driven sprocket chain; a power shaft for driving a plurality of said driving chains; a plurality of sets of steam coils associated with said conveyer rollers; and means to admit high pressure or low pressure steam at will into each set of coils, substantially as described.

1,501,967. DISH AND PLATE LIFTER. ROBERT NADEAU, Fort Kent, Me. Filed May 24, 1922. Serial No. 563,328. 1 Claim. (Cl. 294—30.)



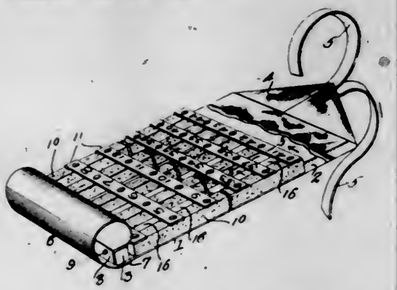
In a device of the class described, a flat handle member having centrally positioned spaced apertures therethrough, a rigid U-shaped jaw member extending at right angles from said handle and parallel with the under surface thereof, each leg of said jaw member having a loop at a point removed from the inner end and further extended through said aperture and looped around one side edge of said handle and further extended against the lower face of the handle and around the other side edge and onto the top thereof whereby said jaw will be firmly fixed to the handle and an auxiliary jaw member loosely linked with the loops on the legs of the other jaw.

1,501,968. FEEDING MECHANISM FOR SEWING MACHINES. LANSING ONDERDONK and AUGUST J. WOHLPART, New York, N. Y., assignors to Union Special Machine Company, Chicago Ill., a Corporation of Illinois. Filed Apr. 8, 1922. Serial No. 550,883. 8 Claims. (Cl. 112—209.)



1. A sewing machine including in combination, a supporting frame, a work supporting post extending vertically therefrom, a main feed dog, a feed bar extending vertically of the work supporting post on which said main feed dog is mounted, means for raising and lowering said main feed bar and for oscillating the feed bar imparting to the feed dog its movements, an auxiliary feed dog, and devices actuated from the main feed bar for imparting movements to said auxiliary feed dog.

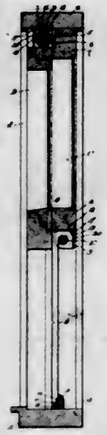
1,501,969. CORN TESTER. JOHN WILLIAM PAULS, Bundy, Mont. Filed Jan. 31, 1922. Serial No. 533,118. 7 Claims. (Cl. 47—15.)



2. In an apparatus of the class described, the combination of a sheet, a transverse strip on said sheet, a coiled cylinder forming strip extending transversely of the sheet and having one end fastened to the sheet and its other end to said strip, and means on the sheet forming seed-retaining compartments when the sheet is rolled around the cylinder.

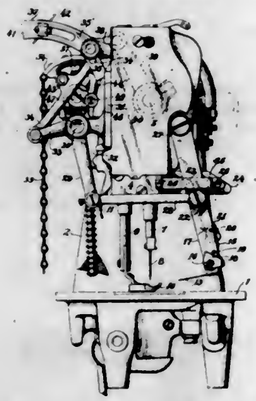
1,501,970. WINDOW SCREEN. SAM REEL, Evansville Ind., assignor of one-half to Emma Rick, Marion, Ill. Filed Oct. 10, 1922. Serial No. 593,555. 1 Claim. (Cl. 156—39.)

A window screen fixture comprising a housing of sheet metal having rectangularly disposed side sections and end sections lying in planes at right angles to the length of the housing, a screen roller journaled in the end sections, one of the side sections being provided at its outer edge portion with recesses leading in from the edge thereof and disposed at right angles to the said edge, the other side section being provided with apertures located in the vicinity of the inner edges of



both side sections and pins having angularly disposed end portions, one end portion of each pin adapted to engage in a support and the other end portion of each pin adapted to engage the inner surface of the recessed side section when the housing is applied.

1,501,971. SEWING MACHINE. JOHN C. RINGE, Stratford, Conn., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed July 8, 1919. Serial No. 309,378. 12 Claims. (Cl. 112—136.)

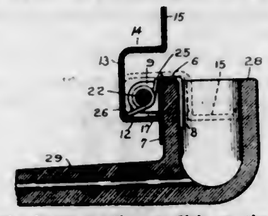


1. In a ruffling mechanism for sewing machines, in combination, a driving shaft, a ruffling-blade, connections between the driving shaft and said ruffling-blade for imparting operative movements to the latter, and treadle controlled means constructed and arranged to impart to said ruffling-blade during the operation of the machine a movement of greater amplitude than the normal range to throw said ruffling-blade into an inoperative position in alinement with but beyond its normal path of operating movement.

1,501,972. FINGER GUARD FOR SMOKING PIPES. ARAM SHENHAN, Providence, R. I. Filed Mar. 7, 1923. Serial No. 623,365. 3 Claims. (Cl. 131—12.)

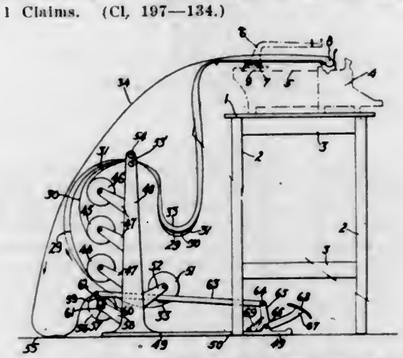
1. In a guard for a smoking pipe, a clamping member comprising a base, and resilient fingers depending from the base, lateral lugs on one of the fingers, an operating

arm comprising an intermediate portion, a horizontally disposed lower portion, an upper portion disposed in the



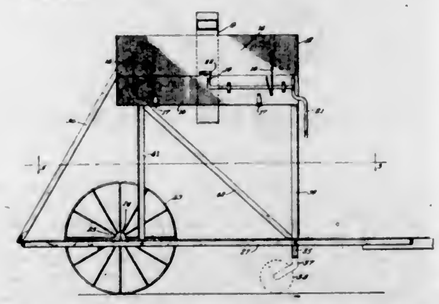
direction of the lower portion, a disk on the upper portion, ears on the lower portion, and a pintle mounted in the lugs and ears.

1,501,973. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 11, 1922. Serial No. 560,031. 11 Claims. (Cl. 197—134.)



1. The combination with a typewriting machine and stand therefor; of a web-holder; means for feeding the web from the holder to the platen; a pick-up roll for the typewritten portion of the web, mounted near the floor and at a sufficient distance below the typewriting machine to permit relative travel of the machine-carriage and the pick-up roll without fouling the web; and a foot-controlled device for intermittently and at will rotating the pick-up roll.

1,501,974. HOPPER ATTACHMENT FOR HARVESTERS. MILTON D. STOCKING, Lindenwood, Ill. Filed Dec. 19, 1922. Serial No. 607,823. 8 Claims. (Cl. 214—65.)

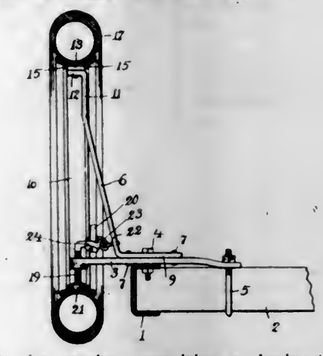


1. In combination with a harvester having an elevator, a hopper adapted to receive the material discharged by the elevator, a supplemental wheel-supported frame carrying the hopper, draft means for said supplemental frame, and means operative between the harvester and supplemental frame for maintaining the hopper in operative relation to the elevator, said means including a transverse bar fixed to the supplemental frame and pivotally attached to the harvester at the side thereof remote from its elevator discharge end whereby said discharge end and the hopper will swing laterally substantially in unison when passing over uneven ground.

1,501,975. BUILDING MATERIAL AND METHOD OF MANUFACTURING THE SAME. ROBERT W. STREHLENERT, Nol, Sweden. Filed Sept. 18, 1923. Serial No. 663,474. 2 Claims. (Cl. 106—39.)

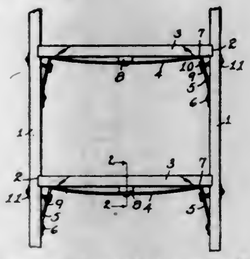
1. A method of manufacturing building stones of a mixture of clay, wood cuttings and waste sulphite liquor, characterized thereby, that these substances are mixed together with so small a quantity of water that the mass will be of a granular consistency, whereafter the mass under pressure is pressed in moulds to stones and then during a short period subjected to a rapid heating to about 200° C. or therenbove in order that the waste sulphite liquor may be partially decomposed and the stone hard and not hygroscopical.

1,501,976. TIRE CARRIER. STANLEY F. WALDEN, West Newton, Mass. Filed May 9, 1923. Serial No. 637,666. 3 Claims. (Cl. 224—29.)



1. A tire carrier comprising a horizontal member adapted to be attached to the frame of a truck and the like, a member rising from said horizontal member and attached thereto at an intermediate point and inclined to present its upper end in substantially the same vertical line with the outer end of the horizontal member, a head attached to the upper end of the inclined member, and a bolt having a crank arm turning in the outer part of the horizontal member, said head and bolt being disposed for engaging diametrically opposite points of a tire-rim.

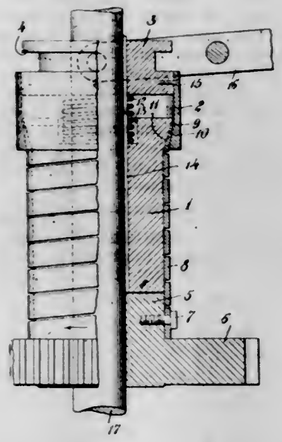
1,501,977. LADDER. EARL L. WEAVER, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind. Filed Sept. 14, 1923. Serial No. 662,633. 3 Claims. (Cl. 228—58.)



3. A ladder comprising risers, a step, a truss member having arms at the ends thereof disposed beneath said step to engage the same adjacent the ends thereof, a truss

block between said step and truss member, and tension members connecting the arms of said truss members to said risers.

1,501,978. FRICTION CLUTCH. ERNEST H. WEBB, New Brunswick, N. J., assignor to The Webb Wire Works, New Brunswick, N. J., a Corporation of New Jersey. Filed Feb. 4, 1922. Serial No. 534,077. 12 Claims. (Cl. 192—81.)



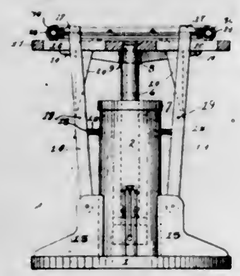
11. In friction clutches, a clutch drum, a cooperating clutch member having secured thereto a resilient helical clutching coil provided with a continuous conical actuating collar and an actuating member adapted to cooperate with the actuating collar on said clutching coil to cause frictional clutching engagement between the turns of the clutching coil and the drum.

1,501,979. OPTICAL INSTRUMENT. ROBERT W. WILLSON, Cambridge, Mass.; Arthur H. Brooks administrator of said Robert W. Willson, deceased. Filed Nov. 23, 1921. Serial No. 517,176. 13 Claims. (Cl. 88—28.)



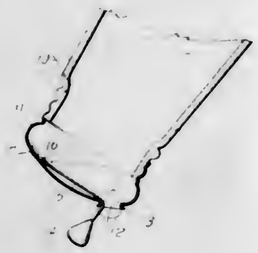
1. An optical instrument, comprising a tube containing cross wires, and an optical element mounted at the outer end of the tube and formed to deflect parallel rays from a circular object so as to produce in the plane of the cross wires a circular image with a spot at its center having a different degree of illumination from the rest of the image.

1,501,980. RIM-ATTACHING TABLE. CARL G. ANDERSON, Akron, Ohio. Filed Mar. 4, 1920. Serial No. 363,186. 8 Claims. (Cl. 18—2.)



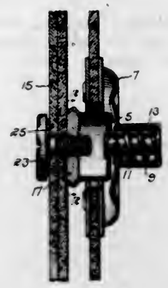
1. In a device of the class described, a suitable base, a body extending upwardly therefrom, said body provided with a vertical bore, a piston operatively mounted in said bore, a piston shaft extending upwardly therefrom, a table mounted on said shaft, arms pivotally mounted on said body and extending upwardly through slots in said table, a claw extending outwardly from the free end of each arm, means to introduce fluid under pressure under said piston and automatic means to move the free ends of said arms outwardly in said slots as the piston is forced upwardly in said cylinder.

1,501,981. JAR FOR SUGAR AND THE LIKE. CHARLES S. BARON, Tiffin, Ohio. Filed Feb. 24, 1921. Serial No. 447,513. 2 Claims. (Cl. 221—13.)



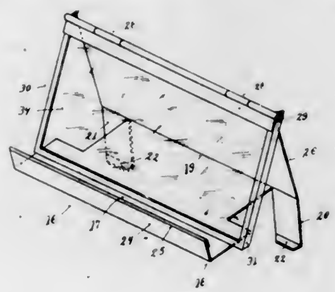
2. An article of the class described having a pouring hole in its top, a stopper for such hole located on the exterior of the top, and means pivotally supporting the stopper from within the cap and playing through the hole, the stopper and the portion of such means playing through the hole being in a position to one side of the hole when the stopper uncovers the hole, such means comprising an L-shape arm reaching from the stopper to the point of pivotal connection within the top, the stopper itself having sufficient weight to cause the gravitation thereof toward and from the hole.

1,501,982. TURNBUTTON FASTENER. DAVID BOURQUE, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1921. Serial No. 515,402. 3 Claims. (Cl. 24—221.)



1. A turnbutton fastener of the type having the spring in the head or button and having a hollow base, a nut in the base and a screw tapping into the nut from the rear to provide means for securing the fastener to a support.

1,501,983. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio. Filed Nov. 18, 1922. Serial No. 601,855. 3 Claims. (Cl. 211—28.)



1. A display and vending apparatus comprising a sheet metal supporting structure having front, bottom, and rear sections bent at substantially right angles to one another and open at its ends, legs formed as cutout portions of said structure to support said structure in an inclined position, and a transparent lid hinged to the upper edge of the rear section and adapted to rest upon the open mouth of an original package resting upon the bottom section of said structure.

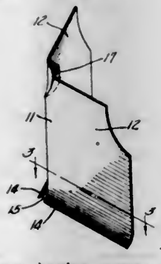
1,501,984. SCREEN FOR DUST COLLECTORS. MICHAEL A. EIBEN, Cleveland, Ohio. Filed Sept. 27, 1923. Serial No. 665,176. 2 Claims. (Cl. 183—44.)

1. In a dust collector, the combination with a housing having an air inlet and outlet, and supports arranged upon opposite walls of the housing; of a set of dust and air separator screens, each screen comprising a pair of vertical end studs, a pair of horizontally spaced head beams connecting the studs and secured to opposite faces and at the upper ends of said studs, said head beams having their ends extended to take over the supports, a bottom beam connecting the lower ends of the end studs and having a set of longitudinally spaced alined openings, a packing strip covering the lower side of said beam, a channel member arranged over the packing, a set of bolts



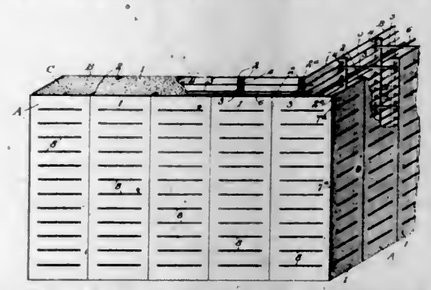
extended through the beam between the openings and securing the packing and channel member in position and a fabric covering for the screen.

1,501,985. METAL BUILDING CORNER. EVAN EVANS, Los Angeles, Calif. Filed Apr. 24, 1923. Serial No. 634,291. 5 Claims. (Cl. 20—5.)



1. A building corner having rearwardly bent flanges separated by a notch and adapted to fit the contour of the siding members with which they are employed, and a filler portion oppositely disposed from said flanges and arranged to fill the notch existing between the inner ends of said flanges of a successive building corner.

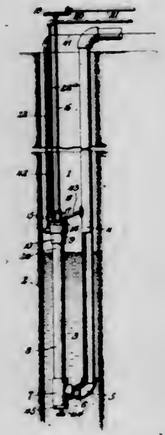
1,501,986. BUILDING CONSTRUCTION. WILLIAM LEWIS EVANS, Jr., Washington, Ind. Filed July 27, 1921. Serial No. 487,919. 14 Claims. (Cl. 72—30.)



1. In building construction, the combination of elongated sheet-metal trough-like elements having longitudinal angle flanges at the edges meeting face to face, fastening means securing the flanges of the elements together, where meeting, to form a continuous wall-

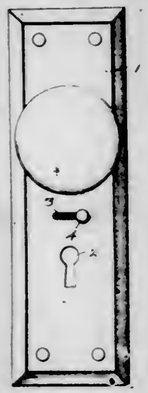
facing, with said flanges having matching perforations in alignment, and reinforcing rods smaller in diameter than the perforations and traversing said perforations, said elements being adapted to receive a filling-in-material, embedding the rods and flanges and passing through the perforations and filling the spaces between said flanges.

1,501,987. PUMP. CHARLES H. FOX, Bakersfield, Calif. Filed July 30, 1920. Serial No. 400,106. 20 Claims. (Cl. 103—250.)



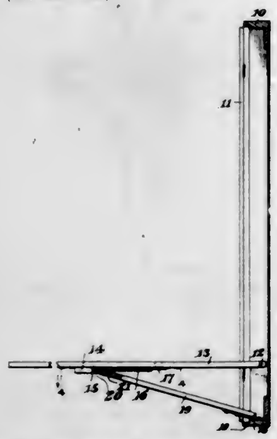
1. The method of propelling liquids from a supply thereof to a point of utilization, which consists in igniting an explosive mixture in contact with a guided body of liquid to thereby propel the liquid in a determined direction to a point of discharge, and causing the momentum of the propelled liquid to create vacuum conditions so as to draw in a new supply of liquid and at the same time utilizing the incoming liquid, as well as the momentum of the propelled liquid, to extract the spent gases of explosion and carry them along with the discharging liquid.

1,501,988. ATTACHMENT FOR DOOR-LOCK ESCUTCHEONS. ERNEST W. FREDRICKSON, Kinbrae, Minn. Filed April 10, 1923. Serial No. 631,155. Renewed June 2, 1924. 1 Claim. (Cl. 70—7.)



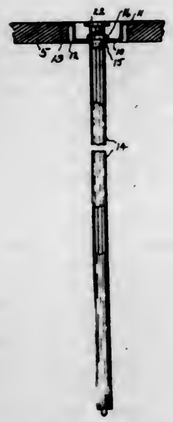
In combination, an escutcheon including a key hole, a slot, a pin projected through the slot, a plate mounted on the pin and provided with a key hole and a slot projecting therefrom, said pin being movable to actuate the plate so that its key hole may be placed in and out of registry with the key hole of the escutcheon, a resilient plate carried by the pin, a guide bar fastened to the escutcheon, said resilient plate adapted to bear on said bar so as to brake the movement of the first mentioned plate whereby accidental movement thereof will be prevented.

1,501,989. IRONING BOARD. HENRY GIESE, Ames, Iowa. Filed Feb. 20, 1922. Serial No. 537,926. 1 Claim. (Cl. 68—10.)



In a device of the class described, a supporting structure, an ironing board pivoted at one end to the supporting structure above the bottom thereof, a cleat attached transversely to the underface of the ironing board intermediate the ends thereof, a guide rod connected at one end to the cleat and at the other end to the board, a brace member swingingly coupled at one end to the support and spaced below the pivoted point of the same, and a plate perforated to movably engage said guide rod and attached to said brace.

1,501,990. OIL-LEVEL-INDICATING ATTACHMENT FOR CRANK CASES. ALEXIS F. GILLET, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr., a Corporation of Nebraska. Filed Mar. 25, 1921. Serial No. 455,416. 1 Claim. (Cl. 73—120.)



In an oil indicating attachment for the crank case of a vehicle having a floor provided with an aperture, a pipe coupling threaded in the crank case, an apertured cup provided with a flange and adapted to be disposed in the aperture of the floor, a tubular container including a horizontal part communicating with the pipe coupling and a vertical part adapted to loosely engage in the aperture of the cup and connecting with said horizontal part and having a collar adapted to bear upon the upper surface of the bottom of said cup for a support of said tubular container, and an indicating rod provided with a handle and adapted to be inserted in the vertical part of the tubular container with its handle normally disposed in the cup in line with the flange thereof.

1,501,991. FIRE ESCAPE. FRANK GIUDICE, New York, N. Y. Filed Feb. 27, 1924. Serial No. 695,505. 1 Claim. (Cl. 227—12.)



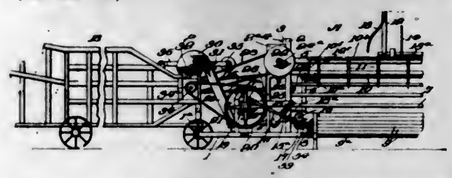
In a fire escape a vertically shiftable cage consisting of a pair of rods of substantial length, a curved side bar having its ends secured to the ends of each of said rods and projecting outwardly therefrom, spaced bracing means integral with each side bar and respective rod, a series of transversely extending bars forming the front of the cage and fixedly secured to said side bars, a transversely extending bar arranged at the bottom of the front of the cage and pivotally connected to one of said side bars and removably engaging in the other of said side bars, means carried by one of said side bars and engaging with said pivoted bar for detachably securing it in closed position, a support having said rods slidably mounted therein, and means connected with the support and cage for vertically shifting the latter.

1,501,992. DENTAL BRIDGE. ERNEST H. GOEBING, Duluth, Minn. Filed Mar. 5, 1923. Serial No. 622,723. 2 Claims. (Cl. 32—12.)



1. The combination with a dental bridge having a metal tooth receiving cup, of an inwardly projecting inclined continuous ridge within said cup adjacent the base thereof, and an artificial tooth having an inclined recess about the inside wall thereof for cooperative engagement with the ridge within the cup and a stepped portion above the recess for overlapping engagement with the upper portion of the cup.

1,501,993. FEEDER FOR THRASHING MACHINES AND THE LIKE. DAVID M. GRAHAM, Juanita, N. Dak., assignor of one-half to Angus Ferguson and Andrew H. Wentland, Borduiac, N. Dak. Filed May 5, 1916, Serial No. 95,694. Renewed Dec. 15, 1923. 33 Claims. (Cl. 214—1.)



1. The combination of an engine, thrashing machinery, a stack holder having walls and having an opening in a vertical wall of the same adapted to have an entire stack of grain, in the form in which such grain is stacked in the field after cutting, inserted therein through said opening by sliding on its bottom, and means for removing grain from said stack when in the stack holder and feeding the same to said thrashing machinery.

1,501,994. DRILL OR GRIEF STEM FOR ROTARY DRILLING MACHINES. EDGAR E. GREVE, Bellevue, Pa. Filed Aug. 2, 1919. Serial No. 314,919. 2 Claims. (Cl. 255—28.)

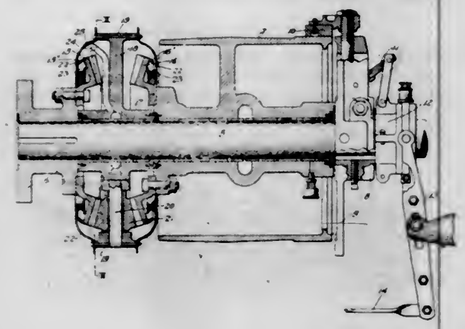


1. A grief stem for rotary drilling operations comprising an integral member having its intermediate portion of non-circular cross section, a threaded extension at one end of the member of less diameter than the greater transverse dimension of the noncircular portion, a threaded circular extension on the other end of the member of greater diameter than the non-circular portion, whereby an annular shoulder is provided between the circular extension and non-circular portion, said circular extension having substantially the same diameter throughout its length and having a portion only of its length threaded, an intervening smooth surface being provided between the annular shoulder and the threaded portion.

1,501,995. LUBRICATING DEVICE FOR REVERSING CLUTCH MECHANISM. EDGAR E. GREVE, Bellevue, Pa. Filed Dec. 20, 1921. Serial No. 523,611. 8 Claims. (Cl. 74—34.)

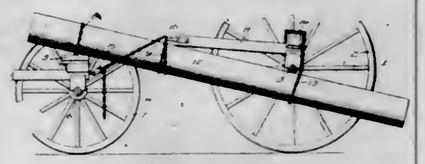
1. The combination with a reversing gear having opposed gear members with interposed planetary gearing.

of a revoluble casing surrounding the gear, which casing has annular side flanges thereon, said flanges having



reversely formed inwardly extending annular channels thereon within the periphery of the opposed gear members.

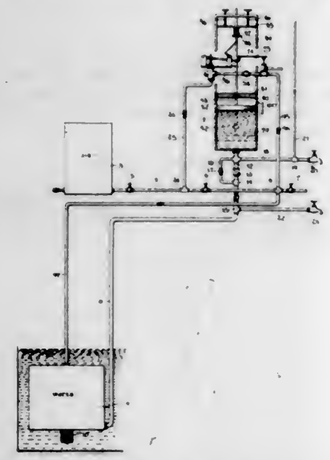
1,501,996. VEHICLE FOR TRANSPORTING POLES. GEORGE F. GROOMS, Sabinal, Tex. Filed Jan. 22, 1923. Serial No. 614,196. 1 Claim. (Cl. 214—3.)



The method of trucking stems or poles, consisting in disconnecting the rear reach of a four wheeled vehicle from the front truck, and positioning the rear truck over the pole to be transported, between the center and front end thereof, then swinging the reach and rear bolster upon the rear axle as a center of rotation, to lower the bolster between the axle and pole, securing the pole to the bolster, then swinging the reach and bolster back to normal position to raise the front end of the pole, then moving the front truck to position its bolster beneath the raised end of the pole, then securing the front bolster and overlying pole together, then again swinging the reach and rear bolster over as in the first movement, disconnecting the rear bolster from the log, then moving the rear truck back to the rear end of the log, and securing the still lowered rear bolster thereto, then swinging the reach and rear bolster back to normal position to raise and suspend the rear end of the pole beneath the axle of the rear truck, and then securing together the free end of the reach, the pole and the bolster of the front truck.

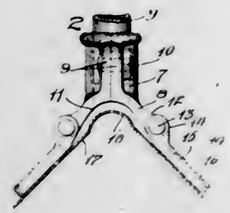
1,501,997. WATER-SUPPLY SYSTEM. JAMES G. HAMPTON, Lafontaine, Kans. Filed May 19, 1923. Serial No. 640,177. 1 Claim. (Cl. 103—245.)

A water supply system comprising a compressed air receptacle, a water collecting vessel, a compressed air conduit leading from the receptacle to said vessel, a water receiving tank, a vertically movable spring controlled fluid operated element within and extending from said tank, a water conduit leading from the vessel to the tank, a pair of spaced valve mechanisms interposed in the air conduit for closing the latter to said vessel and opening it to the atmosphere, a support mounted on one of mechanisms, a pair of lever arms linked together and each seating on one of said mechanisms, one of said arms pivoted to said support, and a spring controlled cam pivotally mounted on said support and connected to said element for simultaneously actuating said arms when



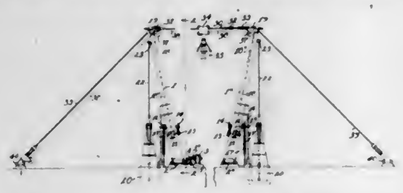
said element is shifted by fluid pressure whereby said valve mechanisms are synchronously operated to close the air conduit to said vessel and to open it to the atmosphere.

1,501,998. RADIO MAST SEAT. HARRY C. HANFORD and MARTIN H. LANG, Minneapolis, Minn. Filed Mar. 12, 1923. Serial No. 624,390. 2 Claims. (Cl. 248—37.)



1. A mast seat comprising an approximately semi-cylindrical body adapted to clear a ridge roll, said semi-cylindrical body at its intermediate portion having an upstanding socket and having anchoring flanges directly hinged to its opposite edges.

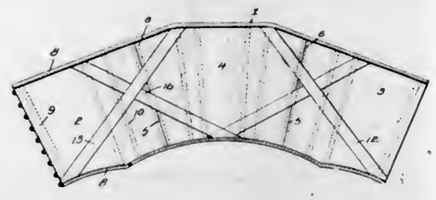
1,501,999. LOADING AND UNLOADING APPARATUS. NORMAN T. HARRINGTON, Cleveland, Ohio. Filed May 6, 1920. Serial No. 379,377. 19 Claims. (Cl. 212—76.)



1. The combination, with a pair of angularly moving towers, a cableway extending between and supported by said towers and a load handling device on said cableway, of means including a drum for rocking one of said towers, a drum in the other tower, cables connecting said drums,

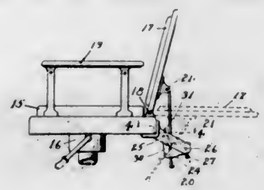
a shaft, means for driving the same, connections between said shaft and the drum of the first mentioned tower, a brake for each drum, means operated by the rocking of each tower for applying the brake to its drum when such tower shall have been rocked to a predetermined extent from a vertical position, means operative by the breaking of either of said cables for applying said brakes to said drums, and means operated by the rocking of the towers and by the breaking of either of said cables for making the driving connections between said shaft and the first mentioned drum inoperative.

1,502,000. BRASSIÈRE. UNA B. HERRICK, Bozeman, Mont. Filed June 11, 1921. Serial No. 476,863. 1 Claim. (Cl. 2—42.)



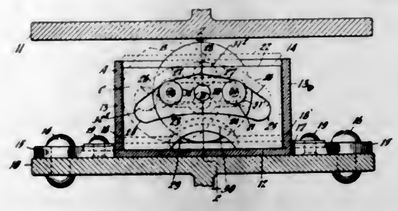
A brassière shaped to conform to the figure of the wearer and having reinforcing strips along the top and bottom edges thereof, elastic fabric straps connected at one end to the front lower portion of the garment and extended diagonally in opposite directions and secured at the opposite end to the upper rear portion of the garment, and other elastic fabric straps, the end of one strap overlapping the end of the other, and the overlapping ends secured to the center of the back at the lower edge of the garment, each strap extending diagonally toward the front and secured at its other end to the upper portion thereof.

1,502,001. ADJUSTING AND LOCKING APPARATUS. FREDERICK KOENIGKRAMER, Cincinnati, Ohio. Filed Dec. 14, 1922. Serial No. 606,781. 7 Claims. (Cl. 155—162.)



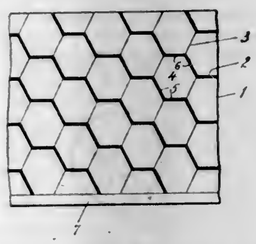
1. In combination a rigidly positioned member, a movable member, an adjusting bar pivotally attached at one end to the rear of the movable member, a bracket extending rearwardly from the rigidly positioned member, a latch member pivotally supported upon said bracket and provided with a latching perforation through which the free end of said bar projects, and a lever pivotally attached to said latch-member and having a limited movement relative to said latch member, said lever serving as an adjustable wedge movable into and out of engagement between said bar and a projection on said latch member at one side of said perforation to exert a frictional tension on the movement of said bar relative to said latch member.

1,502,002. SIDE BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,207. 10 Claims. (Cl. 64—64.)



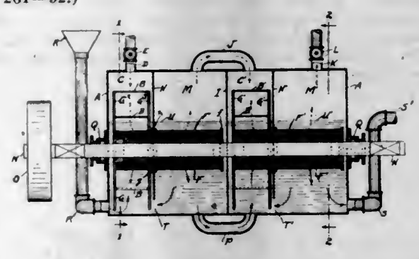
8. In a side bearing, the combination with a casing; of a counter-weighted roller mounted therein; and a vertically sliding weight coacting with said roller to effect return of the latter to normal position.

1,502,003. DECORATIVE ROOFING. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,039. 3 Claims. (Cl. 91—67.9.)



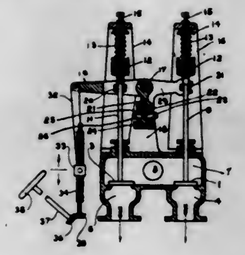
1. A decorative roofing sheet having a surface ornamentation composed of a series of heavy parallel lines extending obliquely of the sheet and connected at regular intervals to form uniform symmetrical figures.

1,502,004. GAS AND LIQUID CONTACT DEVICE. RANDALL PORTER AKINS, JOHN WILLIAM BUCHER, and FREDERICK DANIEL GROSS, Denver, Colo. Filed June 19, 1920. Serial No. 390,204. 2 Claims. (Cl. 261—92.)



1. Liquid and gaseous contact apparatus comprising a tank having a pair of adjoining compartments, means for maintaining liquid in said compartments, a rotor mounted in one of said compartments on a horizontal axis and partly submerged in the liquid, said rotor having a tubular central portion and passages leading from the periphery to said tubular portion arranged to entrap liquid and gas and convey it to said portion, said tubular portion projecting into the other compartment beneath the liquid level therein.

1,502,005. MANEUVERING VALVE. ROBERT C. ALLEN, Esslogton, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 16, 1920. Serial No. 374,451. 11 Claims. (Cl. 137—158.)



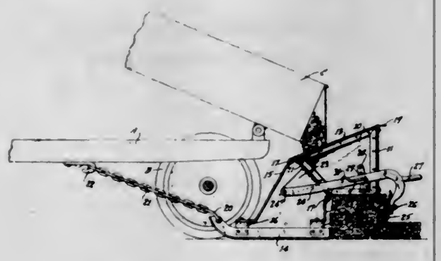
1. A valve mechanism comprising in combination three separately operative valves, means for actuating one of the valves, and a selecting means for alternatively operatively connecting either one of the remaining valves with the said valve actuating means.

1,502,006. EDUCATIONAL ARTICLE. CHARLES CLINTON ALVORD, Worcester, Mass. Filed Sept. 4, 1923. Serial No. 660,751. 13 Claims. (Cl. 35—12.)



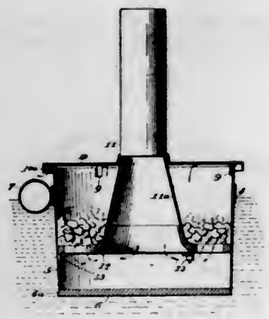
1. An educational device composed of a soluble body partially covering a relatively insoluble substance which bears an educational feature, a portion only of said feature normally being concealed by said body.

1,502,007. STONE DISTRIBUTOR AND LEVELER. FRANKLIN E. ARNDT, Gallon, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Nov. 20, 1922. Serial No. 602,122. 11 Claims. (Cl. 94—44.)



1. A distributor for road material comprising a hopper having side and end walls and being open at the bottom thereof, road engaging supports for the hopper, and a striking off blade disposed rearward of the lower end of the hopper and normally extending below the level of the bottom of the hopper, members supporting said blade and pivoted for vertical adjustment, and means engaging said members and adapted to hold the blade in any vertically adjusted position.

1,502,008. TANK HEATER. FRED A. BAGLEY, Cedar Rapids, Iowa. Filed Apr. 13, 1922. Serial No. 552,336. 1 Claim. (Cl. 126—367.)



In a heating device for tanks having a centrally apertured marginal grate carried by a supporting receptacle and provided with an upwardly and inwardly inclined annular flange surrounding said aperture, a flue carried by the grate and arranged centrally of the receptacle, the wall of the supported end of the flue being uniformly, downwardly and outwardly flared and adapted to be seated upon the annular flange surrounding the aperture in the grate whereby to form a fire box above the grate having a gradually decreasing width from the top of the receptacle to the grate, and a flue passage having a gradually decreasing diameter from the grate to the top of the receptacle.

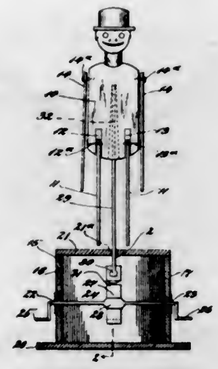
1,502,009. NONSKID CHAIN ATTACHMENT FOR MOTOR VEHICLES. CHARLES F. BALL, Peoria, Ill., assignor to Research Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 4, 1920. Serial No. 356,168. 16 Claims. (Cl. 305—3.)



1. The combination with a traction wheel of a vehicle, of an endless tread, an idler member co-operating with the wheel to maintain the tread in operative position on the latter, means for supporting the idler from the vehicle and means revolubly mounted upon said supporting means, having rolling contact with a portion of the wheel.

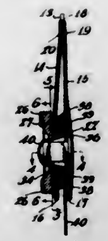
1,502,010. TOY. ALFONSO A. BANKS, New York, N. Y. Filed July 13, 1920. Serial No. 396,038. 1 Claim. (Cl. 46—40.)

In a toy, a figure representation of an animate object, comprising a body and swingingly mounted limbs, said body having a conical recess extending vertically and centrally therein, a pedestal for the toy, a vertical standard reciprocally held in the pedestal and having its upper end bearing against the apex of said conical recess



whereby the body may oscillate and rotate on said standard, and be moved upwardly thereby, and a manually operable cam-means for lifting said standard.

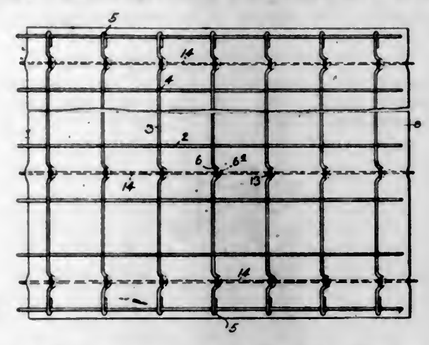
1,502,011. GARTER CLASP. JOSEPH P. BAUMGARTNER, Philadelphia, Pa., Filed Aug. 26, 1922. Serial No. 584,474. 6 Claims. (Cl. 24—245.)



4. In a garter clasp, depending inner and outer straps, an outwardly projecting button fixed to the inner strap and having an undercut oval head, a bearing member fixed to the outer strap larger in internal diameter than and in registry with the button, a turnable button-hole member upon the bearing member having an oval hole adapted to fit over the oval head and to interlock therewith by turning upon its axis from the position of registry, a shank upon the buttonhole member extending through the bearing member and outer strap, and circumferentially grooved at the inner side of the outer strap, and a detachable resilient washer having separate resilient inwardly-directed portions adapted to be sprung over the shank and snapped into the groove to detachably hold the button-hole member in place upon the bearing member.

1,502,012. WIRE FABRIC. EDWARD L. BENEDICT, Sewickley, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 15, 1921. Serial No. 484,924. 7 Claims. (Cl. 72—119.)

7. A wire fabric composed of strand-wires and stay-wires connected at their points of intersection, bends formed in said wires between the points of intersection off set from the plane of the fabric, a backing sheet



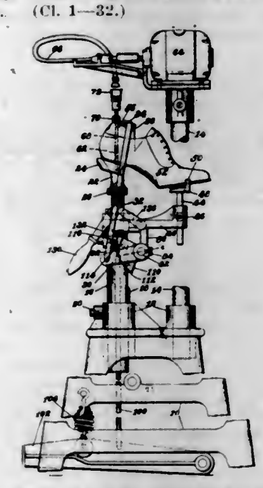
spaced from the plane of the fabric, and means for attaching said backing sheet to said fabric.

1,502,013. ORNAMENTAL BOX. EDOUARD P. BENOIS, Paris, France, assignor to Coty, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 28, 1923. Serial No. 635,195. 8 Claims. (Cl. 206—37.)



1. A method of attaching an insert to a metal box so as to fill up an opening in said box which consists in holding said insert in position in the said opening by means of a holding metal disc having a contour corresponding to the contour of the portion of said box adjacent said opening and then expanding the said disc so as to cause it to firmly grip the portion of said box adjacent said opening.

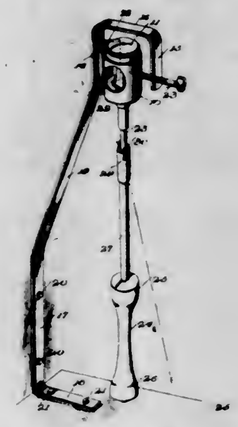
1,502,014. HEEL-CLAMPING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 9, 1920. Serial No. 402,281. 43 Claims. (Cl. 1—32.)



1. In a machine of the class described, a support for a heel and for a shoe on a last, a member engaging the front part of the cone of the last and leaving the rear portion of the last unobstructed, and means to move said

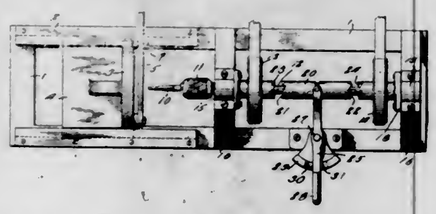
member toward the support to clamp the shoe and last against the heel to receive a fastening, said means being constructed and arranged to enable said member to swing relatively to said support to facilitate the removal of the shoe.

1,502,015. VALVE-GRINDING DEVICE. MARION SAMUEL BISHIR, Canyon, Tex. Filed Mar. 22, 1923. Serial No. 626,809. 1 Claim. (Cl. 51—217.)



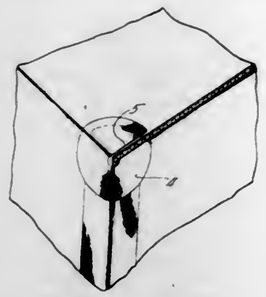
In a valve grinding device, a support for a valve cage and its valve including a body formed of a bar having a lower upright portion and an angular extension at the lower end of the upright portion and having an inclined portion at the upper end of the said upright portion and a downwardly opening U-shaped head at the upper end of said inclined portion thus offset by the inclined portion from the lower upright portion, said head having a V-shaped valve cage seat at the inner portion of one side theerof, and a clamping screw working through the opposite side thereof and located at approximately the center of the said seat as described.

1,502,016. TAPPING MACHINE. JOHN E. BYRNE, Platteville, Wis. Filed Aug. 12, 1921. Serial No. 491,713. 1 Claim. (Cl. 10—136.)



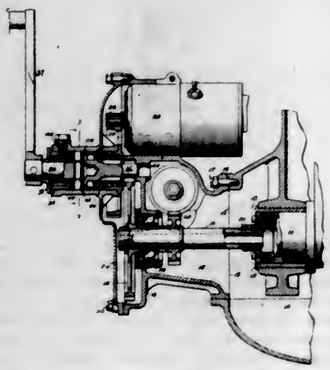
A tapping machine of the character described, comprising a base, a shoe support slidably mounted on the base, means carried by said support for maintaining a shoe in position, comprising a swinging lever for holding a shoe between said lever and said support, a keeper into which said lever is positioned, tapping mechanism comprising a rotating tap, a shaft for rotating said tap, driving pulleys loosely mounted upon said shaft, a detachable face clutch interposed between said pulleys and splined to the shaft, means for shifting the said clutch so as to engage either of the pulleys to rotate the shaft in a forward or reverse direction, said shifting means comprising a lever engaging the clutch, a handle therefor, a segment over which said handle travels, and means formed in the segment for locking the handle in adjusted positions.

1,502,017. REENFORCING CORNERS FOR BOXES. ROBERT C. CARLSON, Chicago, Ill. Filed Sept. 18, 1922. Serial No. 588,777. 3 Claims. (Cl. 229—49.)



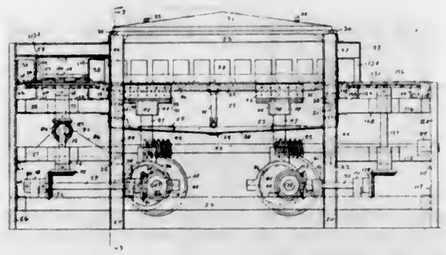
1. In combination with a box having a rectangular corner formed by side walls and superposed flaps, a corner reenforcing member of textile fabric having an open ended slot and adhering to the side walls and flaps, those portions of the reenforcing member adjacent the open end of said slot adhering to the flaps and lying in superposed relation, said reenforcing member being folded over the side wall junction and the junctions between the side walls and flaps along lines substantially at 45° to both the warp and the weft of the fabric, whereby said warp and weft strands substantially equally resist disruption of the reenforcing member along the lines of the folds.

1,502,018. INTERNAL-COMBUSTION-ENGINE STARTER. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane and Motor Company, a Corporation of New York. Filed May 19, 1921. Serial No. 471,002. 24 Claims. (Cl. 74—7.)



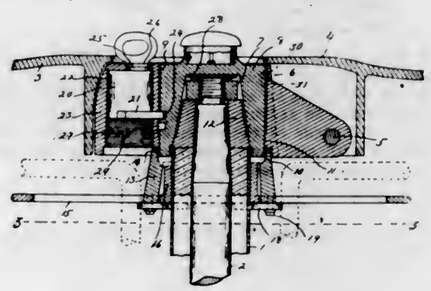
1. In an engine starter, the combination with a casing provided with means at one end for securing the same to the engine to be started, said casing including a pair of parallel walls defining its opposite end, a driving shaft journalled adjacent one end in one of said walls and having its other end projecting from the casing and fashioned to engage a movable element of the engine, a motor carried by the casing as a part thereof, and a reducing gear train contained within the casing and operatively connecting the motor and the driven shaft, said train disposed between the parallel walls and including a sliding gear element journalled at two spaced apart points in both walls.

1,502,019. EXHAUST BOX. CHARLES J. CLEAR and GEORGE M. WEBBER, Portland, Oreg. Filed Sept. 21, 1922. Serial No. 589,709. 9 Claims. (Cl. 126—272.)



1. An exhaust box for canned goods having straight channels passing through a heated compartment adapted to hold cans vertically for exhaust purposes, in combination with horizontal shifter bars in the central portion of each of said channels, upwardly and rearwardly inclined lugs along each side of each shifter bar, said bars being adapted to raise said cans from the floors of said channels, move same forward and then set said cans upon the floors of said channels repeatedly until said cans have traversed the length of said channels.

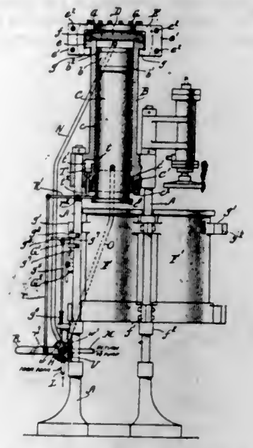
1,502,020. STEERING WHEEL. JACOB CARL DANZIGER, Detroit, Mich., assignor to Detroit Motor Castings Company, Detroit, Mich., a Corporation of Michigan. Filed July 3, 1922. Serial No. 572,682. 7 Claims. (Cl. 70—129.)



2. The combination with a steering wheel post and rotatable shaft, and a steering wheel secured to said shaft, of a longitudinally movable locking member non-rotatably secured to said steering wheel, means upon said post with which said locking member is engageable upon adjustment in one direction for holding said locking member from rotation, means shiftable at an angle to the axis of said shaft for locking said locking member when in engagement with said means, and means for automatically moving said locking member in the opposite direction to disengage the same from said holding means upon releasing said locking means, said locking means also locking said locking member when disengaged from said holding means.

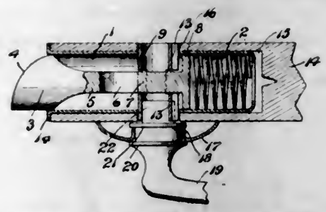
1,502,021. MACARONI PRESS. JOSEPH DE FRANCISCI, Brooklyn, N. Y. Filed Dec. 1, 1921. Serial No. 519,108. 18 Claims. (Cl. 138—16.)

1. In an apparatus of the class described, the combination with a plunger cylinder, and means for feeding a motive fluid thereto, of a controlling valve positioned in the line of flow of the motive fluid, and arranged for its movable part to be held to a seat by the pressure of said



motive fluid, and plunger operated means for relieving said moving valve part from the pressure of the motive fluid.

1,502,022. LATCH CONSTRUCTION. LUCIEN A. DEXTER, Grand Rapids, Mich. Filed Jan. 3, 1922. Serial No. 526,465. 6 Claims. (Cl. 292—169.)

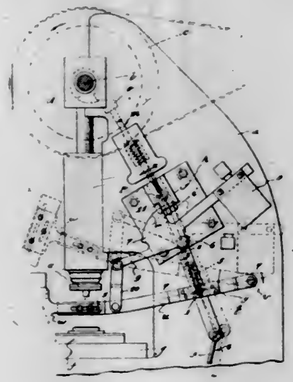


1. In a latch construction, an elongated housing open at one end, a spring located within the housing adjacent the opposite end, a latch bolt slidably mounted within the housing and formed with an outer end cylindrical head at its end formed with a cam surface from which a flat bar extends inwardly and terminates in an inner end disk bearing against said spring, said bar having an opening therethrough into the rear portion of which a lug having inclined sides projects, a cylindrical operating member passing through opposite sides of the housing and the opening in said bar portion of the bolt, said operating member having openings in opposed sides between its ends and said lug extending thereinto, an inwardly pressed rib on the operating member, and a handle member provided with two spaced apart lugs for entering an end of the operating member, one at each side of the rib, whereby said operating member may be turned to retract the bolt, substantially as described.

1,502,023. PUNCH-PRESS GUARD. FRANK M. EDGAR, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 30, 1923. Serial No. 677,650. 4 Claims. (Cl. 74—105.)

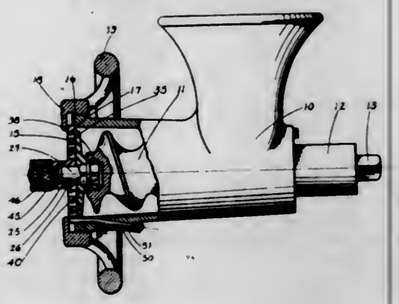
1. In a guard for a punch press or similar machine, the combination of operating mechanism, means for controlling the operating mechanism and provided with a tripping mechanism having a slidable member, a draft member having a lost motion connection with the tripping

mechanism, a stop in the form of a sector which is swung in the path of said slidable member which is part of said tripping mechanism for preventing the same from being actuated, and a guard yieldably connected to said draft member and positively connected to the stop, whereby the



operating mechanism is held in an inoperative position until the guard is lowered to a position in front of the work thereby retracting the stop to allow the draft member to actuate the tripping mechanism and preventing the operator from inserting his hands while the machine is in operation.

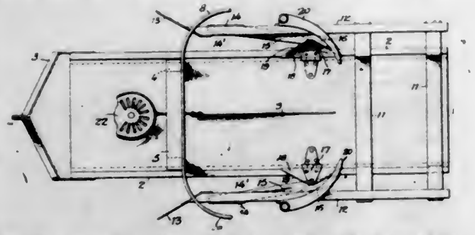
1,502,024. GRINDING APPARATUS. BERNARD M. ELY, Troy, Ohio. Filed May 3, 1923. Serial No. 636,405. 5 Claims. (Cl. 146—189.)



1. In a grinding device of the character described, a chopper cylinder; a worm therein; a flat perforated plate positioned at one end of said cylinder, having an opening therein; a stud mounted in said opening, a knife removably mounted on one end of said stud, and means carried by said stud and independent of said worm for varying the positioning of the plate and knife relative to each other.

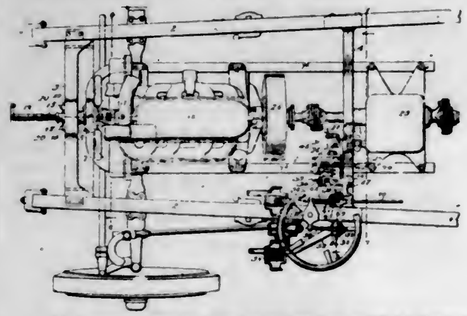
1,502,025. CORN HARVESTER. ISAAC N. FICKES, York, Pa. Filed Oct. 20, 1923. Serial No. 669,785. 3 Claims. (Cl. 56—99.)

1. A corn-harvester comprising a platform, side arms carried thereby, outwardly extending guides on said side arms, yieldable plates on said side arms, cutter arms carried by said plates, cutting blades on said cutter arms, hinged shields overlying said blades and adapted to be raised by engagement with a corn stalk and to be lowered by their own weight, adjustable collector arms associated with said carriage near the forward end thereof, and



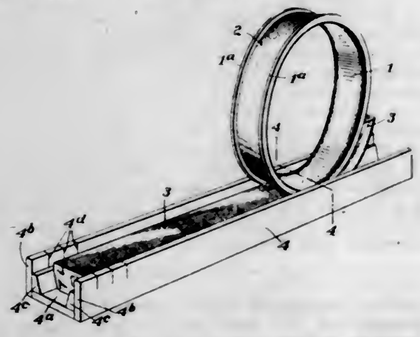
spring actuated pressure fingers on said side arms adapted to throw severed corn stalks upon said carriage and into said collector arms.

1,502,026. MOTOR VEHICLE. REUBEN E. FIELDER, New York, N. Y. Filed June 17, 1922. Serial No. 569,122. 12 Claims. (Cl. 180—64.)



1. In a motor vehicle, the combination with a chassis frame provided with a cross member, of a gear shift control box supported by said cross member, a gear shift lever journaled in and supported by said box and extending to the outside of the same, and means operatively connected with said lever and adapted to be connected with the gear shift mechanism for actuating it.

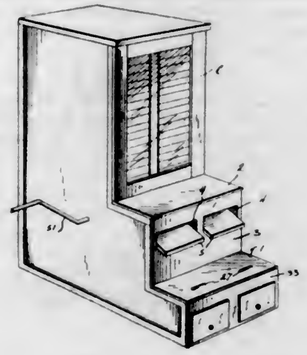
1,502,027. METHOD OF MANUFACTURING CUSHION TIRES. FRED D. FOWLER, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1923. Serial No. 672,607. 7 Claims. (Cl. 154—12.)



2. The method of making cushion tires, which consists in depositing a strip of rubber of given weight in a guide trough and subjecting said strip to force exerted in an endwise direction to cause its end to properly align with

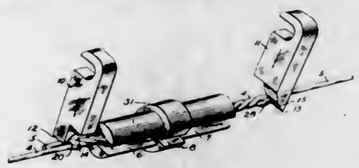
a suitable designated indication on the trough, thereafter rolling the rim over the cushion portion to cause the said portion to adhere to the rim, and subsequently vulcanizing.

1,502,028. DISPENSING APPARATUS. FELIX R. FUQUAY, Durham, N. C. Filed Sept. 15, 1923. Serial No. 662,870. 3 Claims. (Cl. 194—58.)



1. In a check controlled apparatus, a sliding member supported for sliding movement, a second member supported for swinging movement and positioned adjacent the sliding member, a check chute carried by the sliding member and disposed toward the swinging member, a runway carried by the swinging member and underlying the chute during a portion of the movement of the sliding member, said runway oprating to limit the passage of a coin through the chute, means for normally maintaining the swinging member in one position, coacting means carried by both of the members for holding the sliding member against movement when the swinging member is in its normal position, said swinging member being provided with means for coaction with a check wit in the chute for moving said swinging member into a position to release the sliding member.

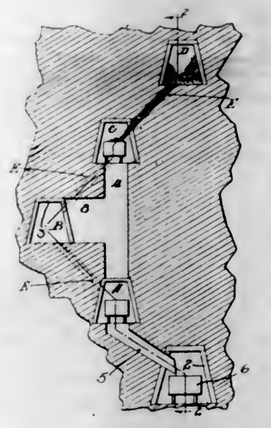
1,502,029. TWISTED KNOT FOR SECURING SHIPPING PACKAGES. ALEC J. GERRARD and PARVIN WRIGHT, Chicago, Ill. Filed Mar. 29, 1923. Serial No. 628,592. 3 Claims. (Cl. 24—27.)



1. A knot adapted to be formed by a wire tying machine composed of a pair of bights of a wire twisted together and when in position on a package having the extreme ends of the twisted strands severed at the extremities of the twisted knot and said severed ends bent down and permanently set below the top surfaces of the untwisted strands.

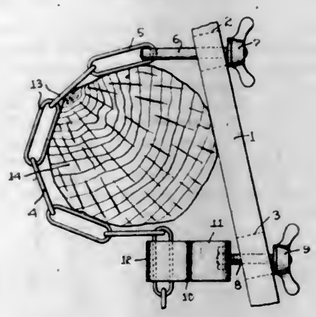
1,502,030. PROCESS OF MINING SOFT ORE. SAMUEL JOHN GOODNEY, Crystal Falls, Mich. Filed July 1, 1922. Serial No. 572,249. 5 Claims. (Cl. 262—1.)

1. The herein described steps in a process of mining soft ore which consists in sinking a shaft in the vein of ore, extending a cross-cut from the bottom of the shaft digging a substantially vertical raise which communicates with the cross-cut, constructing a sub-level that communicates with said raise at one point, and constructing a second similar sub-level at a different elevation from



the first sub-level and out of alinement with the first named sub-level, thus relieving the portion of the ore adjacent to the sub-levels from too great a strain.

1,502,031. CROSS ARM. ROBERT E. GRAY, Snoqualmie Falls, Wash. Filed Dec. 17, 1923. Serial No. 681,274. 3 Claims. (Cl. 304—41.)

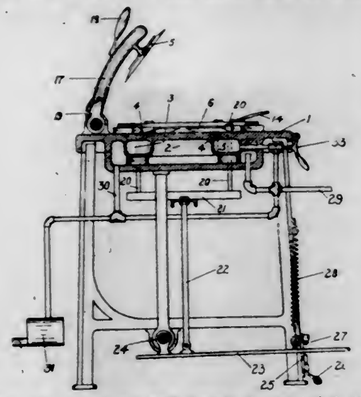


1. A means for securing a cross arm to a mast or the like, consisting in forming said cross arm with elongated apertures, providing bolts to be passed loosely through said apertures, a chain member connected to one of said bolts, a relatively broad link connected to the other of said bolts and having an opening therethrough formed in part of a size to freely permit the passage of the chain links therethrough and in part of a size to permit the edgewise passage of the chain links therethrough, and means for drawing the bolts through the cross arm.

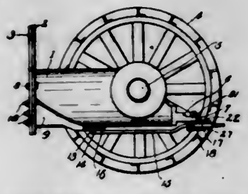
1,502,032. PROCESS AND MACHINE FOR CREASING. CLAUDE H. HALL and GEORGE KNUDSEN, Baltimore, Md. Filed Jan. 30, 1922. Serial No. 532,820. 10 Claims. (Cl. 223—15.)

1. The process of creasing consisting of, turning the edge of a fabric and pressing the same, maintaining

said fabric at a predetermined temperature above operating room temperature and while being so pressed admitting steam on to said fabric for a brief period of time.

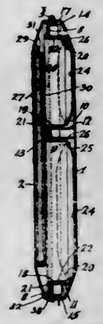


1,502,033. DRAWBAR ATTACHMENT FOR FORDSON TRACTORS. OLE E. HANSON, Poulsbo, Wash. Filed June 2, 1923. Serial No. 643,947. 1 Claim. (Cl. 280—33.12.)



A drawbar attachment for tractors, comprising a connecting plate having a round and slotted opening in the free end thereof, with an extension drawbar held by pivotal means through the slot at one end and the other end of the bar extending beyond the rear end of the tractor, guide plates attached to the rear of the tractor above and below the extending bar, and means for holding the rear end of the bar at a predetermined position between the guide plates, notches across the back edges of the guides and a pin through the bar for seating in the notches.

1,502,034. VANITY CASE. MILO O. HART, Euclid, Ohio, assignor to The Pompeian Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 9, 1923. Serial No. 644,302. 4 Claims. (Cl. 132—83.)

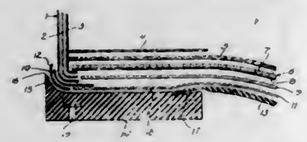


4. In a vanity box, having a bottom and a cover, a flanged plate secured in the under side of the cover, a reflecting surface positioned in the plate, a locking member for holding the mirror in position comprising a plate having a flange against which the mirror may bear, and a holding flange frictionally engaging with the flange of the first named plate.

1,502,035. PROCESS FOR PREPARING CRYSTALS OF CHROME ALUM. PETER HASENCLEVER, Hamburg-Billwarder, Germany. Filed Nov. 11, 1922. Serial No. 600,451. 2 Claims. (Cl. 23—13.)

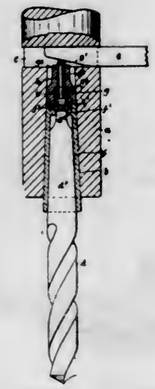
1. The process for preparing crystals of chrome alum which consists in adding potassium dichromate, sulphuric acid and sulphurous acid to solutions of chrome alum and crystallizing.

1,502,036. HEEL CONSTRUCTION FOR FOOTWEAR. EUGENE C. HEILHECKER, Bristol, R. I., assignor to National India Rubber Company, a Corporation of Rhode Island. Filed Jan. 14, 1921. Serial No. 437,159. 8 Claims. (Cl. 36—35.)



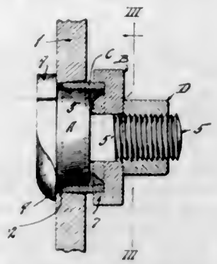
1. An article of footwear comprising an upper, a sole, and a heel of vulcanized material united to said upper by a thin layer of vulcanized rubber, said heel having a substantially vertical upstanding flange curved on its inner side to conform to the heel portion of the upper, said flange terminating in a thin truncated edge.

1,502,037. TOOL HOLDER. GIUSEPPE IVALDI, Paterson, N. J. Filed Apr. 20, 1923. Serial No. 633,459. 2 Claims. (Cl. 279—103.)



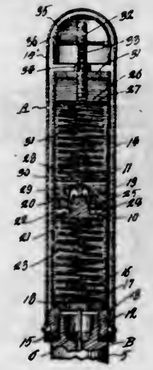
1. In combination, a tool holder having a socket and a drift-hole arranged transversely of and communicating with the socket, a container in the socket, the socket and container having their respective interior and exterior surfaces tapered from the mouth of the socket in conformity with, and thereby gripping, each other and the container being divided transversely through its tapered portion into two sections separably screwed together, and an ejector arranged in and removable from the container on separating the said sections and movable longitudinally of the socket and adapted, when a tool is entered into the holder, to be displaced by the tool so as to project into the drift-hole.

1,502,038. BOILER PLUG. FREDERICK E. KEY, St. Louis, Mo., assignor to Key Boiler Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 1, 1920. Serial No. 370,540. 2 Claims. (Cl. 220—25.)



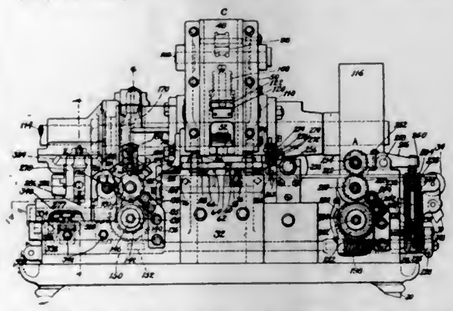
1. In a closure for tapered holes in boiler walls, a tapered spreader comprising a head having a tapered portion located within the hole to be closed, the largest diameter of said tapered portion being smaller than the diameter of the hole, said spreader also having flanges adapted to pass through the hole and engage the inner face of the boiler wall to prevent outward displacement of the spreader, the spreader taper being at an angle to the tapered face of the hole so as to provide the converging faces, a sealing ring having its inner margin entirely within the hole to be closed, said inner margin being interposed between and in contact with said converging faces of the hole and spreader, the outer margin of said sealing ring being extended from the wall of the boiler, a thrust member seated on the outer edge of said sealing ring and provided with an annular reinforcing flange overlapping and closely fitted to the extended outer margin of the sealing ring, a screw threaded stud formed integral with and extending outwardly from said spreader, the periphery of said spreader being so small that the spreader can be tilted and inserted through the hole without displacing the screw threaded stud relative to the spreader, said stud having a non-circular portion and said thrust member being slidably mounted thereon to prevent independent rotation of said thrust member and spreader, and a nut on said stud, said thrust member being movable toward the wall of the boiler in response to rotation of the nut so as to force said inner margin of the sealing ring into firm contact with said converging faces.

1,502,039. TIRE ALARM. WILLIAM KNUTSON, Fort Shaw, Mont. Filed May 21, 1923. Serial No. 640,614. 1 Claim. (Cl. 116—34.)



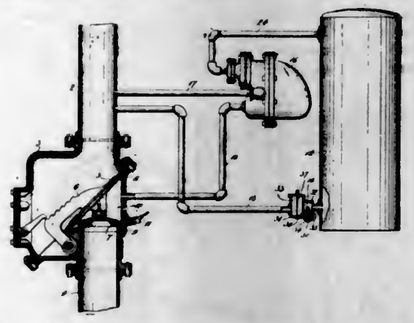
The combination with an ordinary tire air filling valve including a body and a valve stem, of an attachment therefor, including a body arranged to receive the outer end of the air valve filling body, a valve seat adjustably carried by the body of the attachment, a normally closed valve carried by the body of the attachment for fitting upon the seat, an adjustable plate threaded into the body of the attachment opposite of said valve seat, a spring engaging said adjustable plate for unseating the valve when the pressure in the air filling tire valve falls below a predetermined value, means for indicating the position of said adjustable plate, and a whistle carried by said means adapted to be sounded by the escape of air through said valve body.

1,502,040. FORMING MACHINE. ALBERT LATHAM, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Feb. 16, 1920. Serial No. 358,962. 97 Claims. (Cl. 164—15.)



1. In a machine for forming a mounting-strip having a series of fastener-receiving perforations, a plurality of operating instrumentalities spaced from one another longitudinally of the strip and arranged to act successively thereon to produce each fastener-receiving perforation, and means for feeding the strip step by step to present a series of receiving areas to the operating instrumentalities for the production of the completed mounting-strip.

1,502,041. AUTOMATIC SPRINKLER SYSTEM. ALBERT J. LOEPSINGER, Edgewood, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed May 19, 1917. Serial No. 169,653. 15 Claims. (Cl. 169—22.)

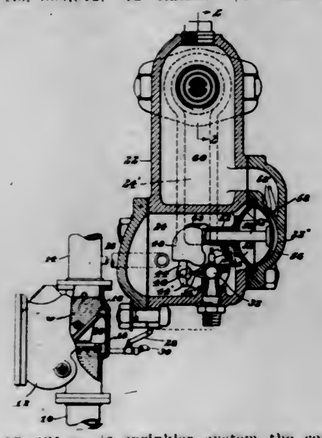


1. In an automatic sprinkler system, the combination of a dry-pipe valve normally held closed by fluid pressure in the system, and means rendered operative by a quick reduction but not by a slow reduction of the system pressure, for subjecting the valve to an opening force acting in opposition to said pressure.

14. An attachment for automatic sprinkler systems, comprising a fluid pressure receptacle, means for connecting it to a sprinkler pipe system and permitting a restricted flow of fluid under pressure from the system to the receptacle, a supplementary receptacle adapted to be connected to a supply of fluid under pressure, pipe connections leading from the latter receptacle, a valve normally closing said pipe connections, a movable member located in the supplementary receptacle and oper-

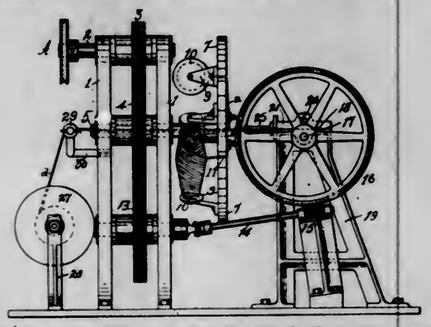
able by a difference in pressures between the sprinkler pipe system and the first-mentioned receptacle, and means operated by said movable member for opening said valve.

1,502,042. AUTOMATIC SPRINKLER SYSTEM. ALBERT J. LOEBSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 554,912. 12 Claims. (Cl. 169—22.)



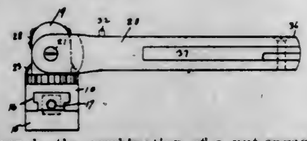
1. In an automatic sprinkler system the combination with a dry pipe valve of a passage from the air system to the intermediate chamber, comprising in part a casing; a valve in the casing closing said passage; said passage being so ample that it is quickly sensitive to changes of pressure in the air system; and a motor and pressure storage means, also in said casing, the storage means being slowly responsive to changes of pressure in the air system and arranged to operate the motor; and said motor being operatively exposed to said sensitive passage, responsive to a quick rate of fall of pressure therein: the motor being arranged to actuate the valve therein.

1,502,043. ELECTRIC HEATING-CORD MACHINE. CHARLES L. MCBRIDE, Jr., Toledo, Ohio, assignor to The C. L. McBride Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 25, 1921. Serial No. 464,416. 11 Claims. (Cl. 117—34.)



1. In a machine of the described character, a rotary member having therethrough a central opening, means for drawing a strand of yarn as a core through said central opening, a retarding device opposing the drawing means for holding the core therebetween taut, a series of spools carried by said rotary member, devices for guiding other strands from said spools to spaced intervals along said core mechanism for pulling the strands taut independently of disturbing the straight line of the taut core, and devices for actuating said rotary member and said feeding means in harmony, whereby the strands from the spools are wound about said core.

1,502,044. WRENCH. JAMES T. MCCANN, Glen Ellen, Calif. Filed July 15, 1922. Serial No. 575,394. 1 Claim. (Cl. 81—63.)



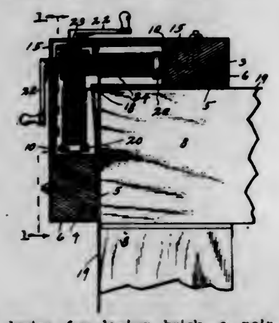
In a wrench, the combination of a nut-engaging means consisting of a rotatable body member having its under side dove-tailed and having one end of said dove-tailed portion closed by a projecting jaw, a sliding jaw in said dove-tailed member, a clamp screw passing through said fixed and sliding jaws, a ratchet wheel formed on the top of said body member, a grooved shank rising from the center of said ratchet, a flat shank-receiving wrist plate rotatably attached to said shank by screws passing through said wrist plate, a slotted lever hinged to said wrist plate on said screws, a slidable pin within said slotted lever adapted to lock said lever in relation to said wrist plate, and pawls on said wrist plate adapted to engage said ratchet in opposite directions.

1,502,045. OIL BURNER. WILLIAM H. MCCARRY, Pittsfield, Mass. Filed Dec. 12, 1923. Serial No. 680,202. 1 Claim. (Cl. 158—91.)



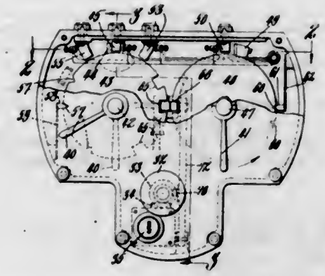
In a device of the class described, the combination of a body provided with a bottom and upstanding walls, one of the walls having its inner surface provided with horizontally extending grooves positioned one above another, said bottom provided with a guarded air inlet opening and between the opening and grooved wall provided with a thickened boss having an opening therein, a distributor pipe in said body and having its lower end extending into the opening in said boss and its upper end portion curved and terminating above the upper groove for depositing oil therein, and a supply pipe having its inner end extending into said boss for supplying oil to said distributor pipe.

1,502,046. BRICKLAYING DEVICE. OSCAR F. MANN, Indianapolis, Ind. Filed Apr. 10, 1922. Serial No. 551,040. 4 Claims. (Cl. 33—85.)



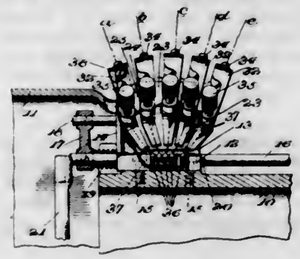
1. In a device for laying brick, a pair of vertical frame members spaced apart on opposite sides of a corner of a wall, metal straps securing the members together, and an angular gauge-box slidingly supported by hand between said frame members.

1,502,047. AUTOMOBILE SWITCH LOCK. EDGAR J. MARTEL, Laconia, N. H. Original application filed July 1, 1921, Serial No. 481,769. Divided and this application filed Nov. 11, 1922. Serial No. 600,320. 4 Claims. (Cl. 200—44.)



1. In an automobile, an ignition switch, a lighting switch, each of said switches including a pivoted disk, said ignition switch disk having a peripheral notch therein, and said lighting switch having a plurality of such notches therein, a bolt projectable through the notch in said ignition switch disk and any one of said notches in said lighting switch disk to lock said ignition switch and said lighting switch in any of a plurality of positions, and a cam member carried by said ignition switch disk and engageable by said plunger when said switch is in "on" position to move it to "off" position as the bolt is projected.

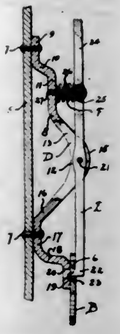
1,502,048. THREAD-TENSIONING MEANS FOR SEWING MACHINES. ARTHUR A. MERRITT, Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a Corporation of New York. Filed Feb. 10, 1921. Serial No. 443,932. 11 Claims. (Cl. 112—238.)



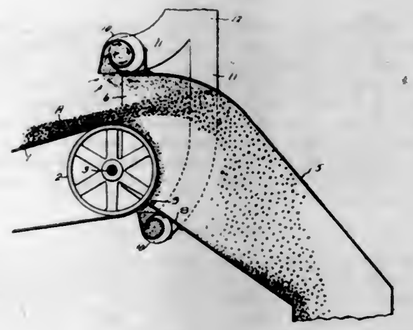
1. In thread-tensioning means for sewing machines, the combination of a presser plate or anvil member, a plurality of tension springs for directly engaging and separately pressing threads into direct contact with the surface of said anvil member to tension said threads, adjusting means for separately determining the degree of pressure to be exerted by each spring upon its thread, and means operable to effect movement of the anvil member out of and into active position with relation to the tension springs to simultaneously release or impose tension upon all of the threads.

1,502,049. CHECK HANGER FOR MINE CARS. JOHN MERVIN, Johnstown, Pa. Filed July 19, 1923. Serial No. 652,625. 4 Claims. (Cl. 40—13.)

1. A check hanger comprising a bracket including an intermediate portion and end portions, one end of said bracket being bent to extend outwardly beneath the intermediate portion and having an extension forming a foot, said foot being provided with a perforation, an arm pivoted to said intermediate portion having a hook at one end thereof, said hook adapted to project into said perforation in said foot for extending through a perforated article to be engaged by said hook, and into the perforation of the foot and means for yieldably holding said arm in a normal position with the hook extending into the perforation of the foot.



1,502,050. VENTILATING MEANS FOR THE RECEIVERS OF BELT CONVEYERS. RAYMOND H. MOORE, Chicago, Ill. Filed July 29, 1921. Serial No. 488,381. 12 Claims. (Cl. 130—17.)

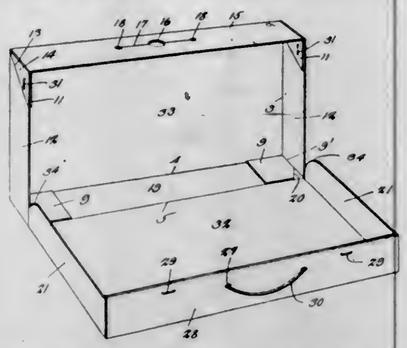


2. In combination with a belt conveyer, a receiver into which the belt discharges its load, and a pair of suction hoods situated adjacent the mouth of the receiver, one above and one below the plane at which the load is discharged, said hoods being adapted to have communicative connection with a suction system.

1,502,051. COLLAPSIBLE FOLDING BOX. EDWARD K. MORRIS, Baltimore, Md., assignor to Fiber Specialty Company, Incorporated, Baltimore, Md., a Corporation of Maryland. Filed July 16, 1923. Serial No. 651,720. 2 Claims. (Cl. 229—52.)

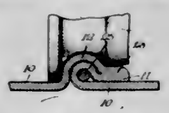
1. A paper box having a bottom and a top each provided with a front side, the front side of the top overlapping the front side of the bottom and being provided intermediate its ends with a longitudinal slit, and having a large central finger opening and end openings wherewith the slit communicates, the front side of the

bottom being provided with a string handle secured at each end to said front side at points opposite the said



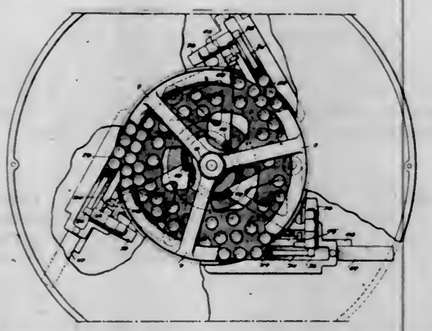
end openings, said large central opening affording means wherethrough the string handle may be grasped to pull the same into operative position.

1,502,052. SPIRALLY-WOUND PIPE AND THE METHOD OF MAKING IT. CARL G. NAYLOR, Chicago, Ill., assignor to Naylor-Robertson Company, a Corporation of Delaware. Filed Feb. 10, 1921. Serial No. 443,983. 8 Claims. (Cl. 113—35.)



1. The method of making seams in spiral pipe which consists in bending the longitudinal edges of the strip, of which the pipe is made, to form an angular flange at each edge; forming the strip into a spiral and bringing the flanges into face to face contact so that the longitudinal edges may be welded; curving the strip flanges about the axis of the pipe; welding the longitudinal edges of adjacent flanges together; then bending the joined-together flanges toward the axis of the pipe to complete the seam.

1,502,053. ARTICLE-FEEDING HOPPER. ELOF NORDSTROM, East Orange, N. J., assignor to American Dan Bottle Seal Corporation, Dover, Del., a Corporation of Delaware. Filed Sept. 19, 1922. Serial No. 589,154. 9 Claims. (Cl. 226—2.)

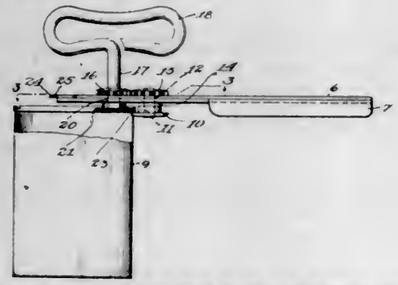


1. In an article feeding mechanism the combination of a hopper and an article selecting means located at the base of the hopper and consisting of a rotating member having two parts spaced rigidly with respect to each other with a space between them that will admit but one layer of the article.

4. An article feeding machine comprising a feeding hopper, a rotating distributor in the bottom of the hopper and an agitator for alining the articles at their point of exit from the hopper, the said agitator having a reciprocating motion from a point just outside to a point just inside of the perimeter of the distributor.

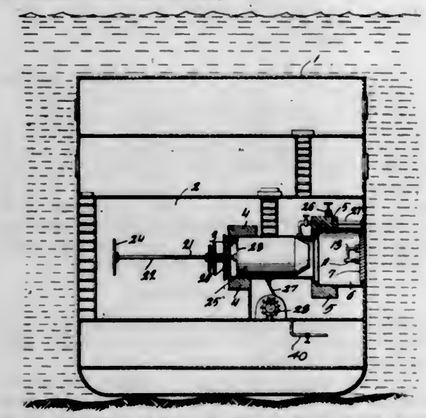
7. An article feeding mechanism comprising a hopper, a rotating distributor in the bottom of the hopper, a vertical shaft carrying said distributor, an agitator for alining the articles, means for depressing the articles into a receptacle and means articulately connecting said shaft with said agitator and depressing means.

1,502,054. CAN OPENER. ELON A. ORMSBY, Centerville, Calif. Filed Mar. 21, 1924. Serial No. 700,828. 3 Claims. (Cl. 30—3.)



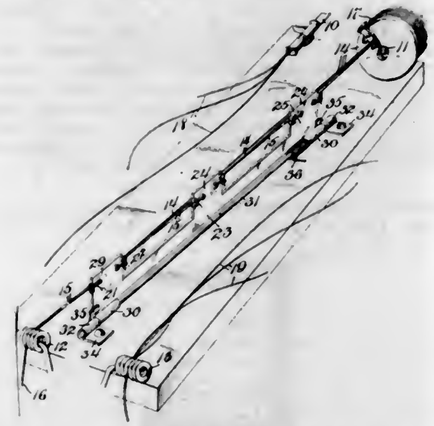
1. A can opener comprising a pair of pivoted handles each having an arcuate slot concentric with the pivot, a rotary cutter having a shaft mounted in a bearing in one handle and extending thru one of said slots, a crank shaft mounted in a bearing in the other handle and extending thru the other arcuate slot, a knurled wheel on the crank shaft, said cutter and wheel being disposed opposite to each other and movable toward and from each other by closing and opening the handles, and pinions mounted on the cutter shaft and the crank shaft and adapted to mesh with each other when the handles are closed.

1,502,055. MARINE DISASTER SIGNAL. ATHANASIOS PAPANASTASIOU, East Pittsburgh, Pa. Filed Sept. 14, 1921, Serial No. 500,526. Renewed June 9, 1924. 1 Claim. (Cl. 114—16.5.)



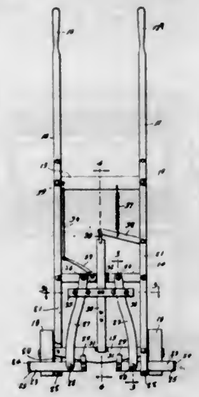
In combination, a boat having a signal buoy, a compartment in the boat leading to the exterior thereof for holding the signal buoy, a door on the exterior of said compartment, and a second door on the interior of said compartment, a socket disposed on the exterior of the compartment and provided with a slot, said compartment provided with a slot registering with the socket, a ball situated in the socket and formed integral with a crank wheel having a threaded bore extending therethrough, a threaded rod engaged with said threaded bore and with the first mentioned door, means for opening and closing the second door from the interior of the boat, and means for pushing said signal buoy from the compartment.

1,502,056. MACHINE FOR SPLICING CORDS. WILLIAM H. PEARSON, Passaic, N. J. Filed May 5, 1923. Serial No. 636,798. 8 Claims. (Cl. 112—6.)



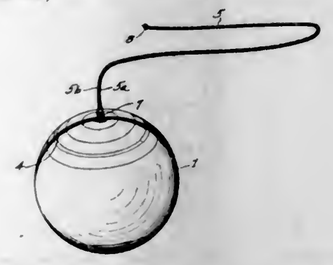
1. A machine for splicing cord comprising rotatable arbors, holding means, said arbors being adapted to untwist cords held by their respective holding means, and clamps for holding the ends of lightly twisted overlapping ends of strands in said untwisted cords and adapted to permit the release of said ends under a normal twisting strain.

1,502,057. HAND TRUCK. ALONZO S. PIPER, Riverside, Calif., assignor to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed June 14, 1922. Serial No. 568,175. 10 Claims. (Cl. 214—65.5.)



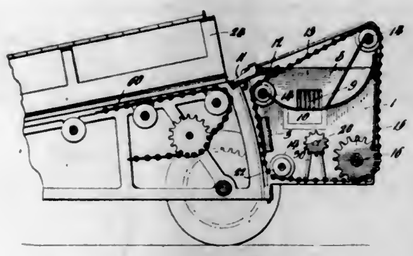
1. In a hand-truck, a frame, load gripping members mounted to slide transversely on the frame towards and away from each other, oppositely curved cam links each pivoted to the frame and to one of said members, and a manually operated slide bar having means cooperating with said links with a cam action to separate said members during a movement of the bar in one direction and to force said members towards each other during a reverse movement of the bar to grip a load to be transported.

1,502,058. BALL. CHARLES W. QUIN, Centralia, Wash. Filed July 17, 1922. Serial No. 575,688. 2 Claims. (Cl. 46—4.)



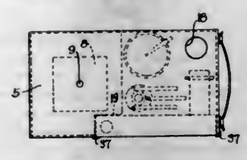
1. A ball having a diametrical opening and a circumferential groove in its outer surface passing through the ends of said opening and a cord doubled at its center with the looped end thereof extended through said opening and having its opposite ends extended about the ball within said groove and through the loop.

1,502,059. AGRICULTURAL ASSORTING MACHINE. CLIFFORD B. ROWLAND, Trenton, N. J. Filed Jan. 19, 1922. Serial No. 530,343. 3 Claims. (Cl. 130—32.)



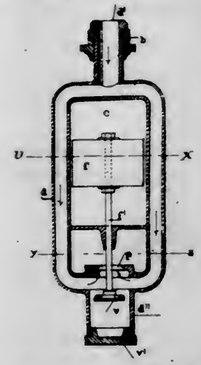
1. An agricultural assorting machine of the class described including a hopper of V-shaped sectional formation having an opening in one side, a cleaning device at the top of the hopper, and a rotary separator mounted adjacent to the opening in the side of the hopper, said rotary separator being disposed with its sides in parallelism with said side of the hopper so as to be inclined.

1,502,060. PORTABLE PHONOGRAPH. SOLOMON SACHS, New York, N. Y. Filed Mar. 3, 1924. Serial No. 696,446. 2 Claims. (Cl. 274—2.)



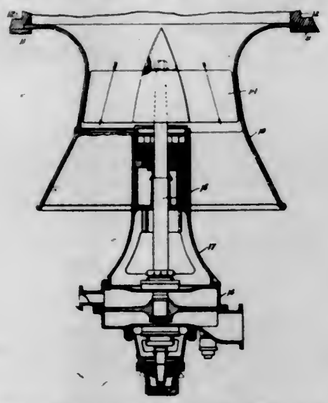
1. A portable phonograph comprising a flat camera-like casing, a sound amplifying chamber in said casing having an open mouth, a tone arm for said phonograph, said tone arm when not in use being adapted to serve as a closure for the mouth of said chamber.

1,502,061. AUTOMATIC WATER CONTROLLER SUITABLE FOR BATHTUBS AND SUCH LIKE RESERVOIRS. MEYER SAMPSON, Chicago, Ill. Filed Jan. 31, 1922. Serial No. 533,010. 2 Claims. (Cl. 137—104.)



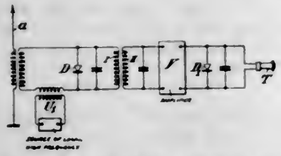
1. In a water controller for bath tubs, the combination of a float receptacle, a pipe surrounding said receptacle and disposed in a vertical plane, the upper portion of said pipe having an inlet, and the lower portion of said pipe having an outlet port, a valve chamber communicating with the lower portion of said pipe and disposed opposite said outlet port, a float within said float receptacle, a valve rod suspended from the float and passing through said outlet port, a valve mounted on said rod and movable in said chamber, the said valve being upwardly seated to close said outlet port whenever the float ascends to its highest position in the float receptacle substantially as shown and described.

1,502,062. VERTICAL DESTROYER TYPE BLOWER. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 29, 1920. Serial No. 420,469. 8 Claims. (Cl. 230—11.)



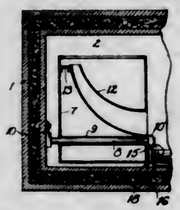
1. A blower comprising a converging-diverging member having a flange adapted to be fitted in a compartment wall, fastening means adapted to secure the flange portion to the compartment wall, a propeller within the converging-diverging member, driving means for the propeller including a casing element, said casing element and converging-diverging member forming a symmetrical air passage, means for supporting the casing element from the converging diverging member, and a frusto-conoidal member contiguous to the discharge side of the propeller for providing a divergent stream line passage of annular cross section for the discharge of air.

1,502,063. ELECTRIC-WAVE RECEIVER. WALTER SCHOTTKY, Wurzburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Grman Corporation. Filed Nov. 6, 1920. Serial No. 422,339. 2 Claims. (Cl. 250—20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



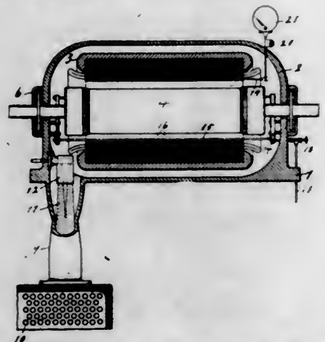
1. A receiving system for high frequency electric waves comprising in combination a local source for superimposing on the received frequency a local frequency different from that received and adapted to produce a beat frequency current above the limit of audibility, a rectifier adapted to rectify said beat frequency current, means tuned to said beat frequency for transforming said rectified current into alternating current, an amplifier tube for amplifying said current, and means for rectifying said amplified current to produce an audible signal.

1,502,064. REFRIGERATOR. JOHN SCHULDE, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 610,195. 1 Claim. (Cl. 62—69.)



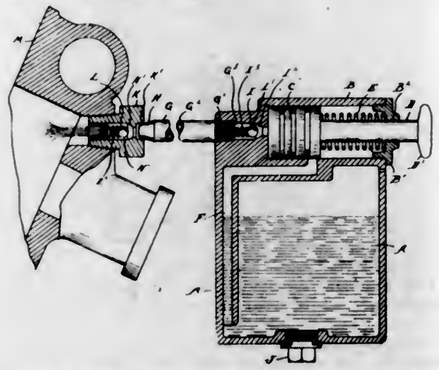
A refrigerator having a cooling compartment and a storage compartment, a refrigerant tank mounted in said cooling compartment, a horn disposed within said tank and spaced from the sides thereof, said horn having an inlet near the top of the tank for receiving the warm air from the top of the storage compartment, and an outlet near the bottom of the tank leading into the storage compartment near the bottom thereof, said horn gradually increasing in cross-sectional area from the intake to the outlet thereof.

1,502,065. TURBOGENERATOR. ALBERT W. SMITH, Los Angeles, Calif. Filed Dec. 24, 1923. Serial No. 682,591. 3 Claims. (Cl. 171—252.)



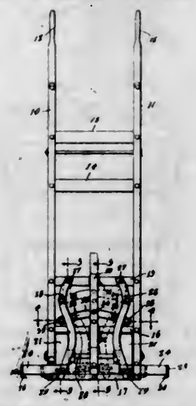
2. The combination with a turbogenerator, of one or more spray pipes therein connected with a source of superheated water supply, for forming a water mist at the temperature of the boiling point in the generator, to absorb the heat losses by radiation at a temperature above that of said boiling point therefrom, and a valve in said supply pipe for admitting the superheated water to the generator at the rate required to maintain said superboiling point temperature therein.

1,502,066. OILER FOR PNEUMATIC TOOLS. WILLIAM A. SMITH, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 5, 1922. Serial No. 586,292. 1 Claim. (Cl. 221—78.)



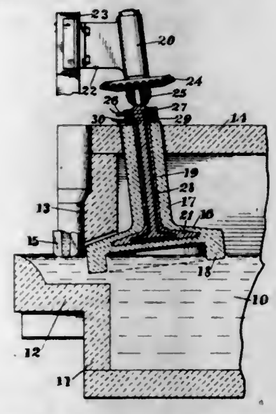
An oiler for pneumatic tools comprising a lubricant container adapted to be carried in the operator's pocket, a nozzle secured thereto having its outer end adapted to seat in a fitting, a cylinder, a manually operable plunger in said cylinder, a check valve between said cylinder and nozzle, a valveless inlet port in said cylinder overrun by said piston and communicating with said container, resilient means for normally holding said plunger in a position to seal said inlet port, and a handle for reciprocating said plunger to eject the lubricant, the nozzle forming a seal with the fitting by the pressure exerted upon said plunger during its ejecting stroke, the cross-sectional areas of the piston and the nozzle being so proportioned as to provide for the ejection of the lubricant through the nozzle with sufficient force to overcome the fluid or line pressure of the tool.

1,502,067. HAND TRUCK. FRED STEBLER, Riverside, Calif., assignor to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed June 14, 1922. Serial No. 568,205. 4 Claims. (Cl. 214—65.5.)



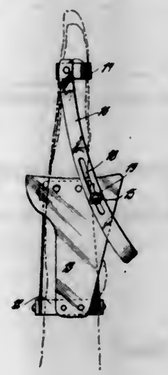
1. In a hand-truck, a frame having relatively spaced side-rails, opposed transversely movable gripper members slidable on the frame towards and from each other and extending beyond the side-rails, opposed cam links extending in a general direction longitudinal of the frame with their upper ends pivoted on the frame adjacent the respective side-rails, said links being each curved downwardly and inwardly with their lower ends pivotally connected to the inner ends of the respective gripper members, and a longitudinally movable slide bar having a cam engagement with said links and manually operable to effect an opening or closing of the gripper members.

1,502,068. GLASS-CIRCULATING MECHANISM. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 2, 1922. Serial No. 591,751. 9 Claims. (Cl. 49—54.)



1. The combination of a tank to contain molten glass, said tank comprising a main portion and a forehearth projecting beyond a wall of the tank to expose a surface of the glass, a glass circulating device within said main portion of the tank behind said wall, and means to actuate said device and thereby maintain a continuous circulation of the glass forming said surface.

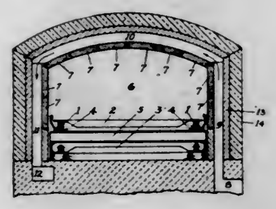
1,502,069. CORNCUTTER. WILLIAM SVEJKOVSKY, Oklahoma City, Okla. Filed May 24, 1921. Serial No. 472,299. 1 Claim. (Cl. 30—9.)



A corn cutter comprising, in combination, a metallic guard substantially U shaped when viewed in cross section, adapted to fit the hand of the operator, a pair of retaining straps, one of which straps is adapted to fit to the palm of the hand while the other encircles the wrist, a metallic blade connected to the guard and arranged to lie along one side of the palm of the hand

and at right angles to the general extent whereby it will assume a vertical position when the hand is held in a horizontal position, a projecting pin provided adjacent the forward end of the said metallic blade and spaced from the edges of the latter, a knife blade provided intermediate its ends with an elongated slot to receive the projecting pin of the said metallic blade, means engaging the pin for holding the knife blade in place, and a securing strap having adjustment to one end of the said knife blade and being adapted to encircle the fingers of the hand.

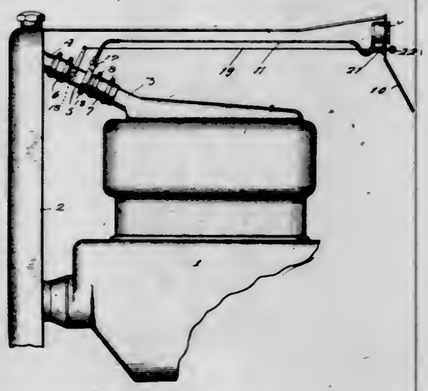
1,502,070. OVEN OR FURNACE. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed July 6, 1922. Serial No. 573,151. 6 Claims. (Cl. 49—47.)



1. A muffle flue for furnaces, composed on three sides of clay tile and on the heat radiating side of silicon carbide, substantially as described.

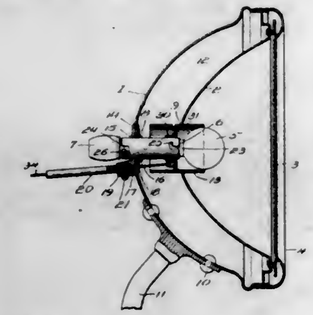
2. A muffle lehr having an article-receiving chamber and flues having portions thereof forming parts of the chamber wall and formed of material having relatively high heat conductivity, the flues having other portions of material having relatively low heat conductivity, and means for passing combustion products through said flues, substantially as described.

1,502,071. TEMPERATURE INDICATING AND REGULATING MEANS FOR ENGINE-COOLING SYSTEMS. GEORGE H. TOWNSEND, Bronxville, N. Y. Filed Feb. 14, 1920. Serial No. 358,683. 3 Claims. (Cl. 123—170.)



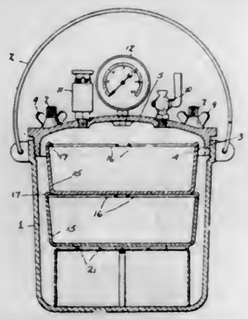
1. In combination with an internal combustion engine having a water cooling system including a radiator, a fitting adapted to be inserted in the water cooling system between the engine and the radiator, comprising a hollow body portion, a tubular extension at each side thereof adapted to receive a hose, said body portion having an opening therein adapted to receive a temperature responsive element which will be influenced by the temperature of the cooling water, a valve located in said hollow body portion and adapted to control the flow of water therethru, and means operable from the outside of said fitting for controlling the position of said valve.

1,502,072. HEADLIGHT ATTACHMENT. HOMER H. TRAVIS, Columbus, Ohio. Filed Apr. 21, 1923. Serial No. 633,682. 3 Claims. (Cl. 240—44.)



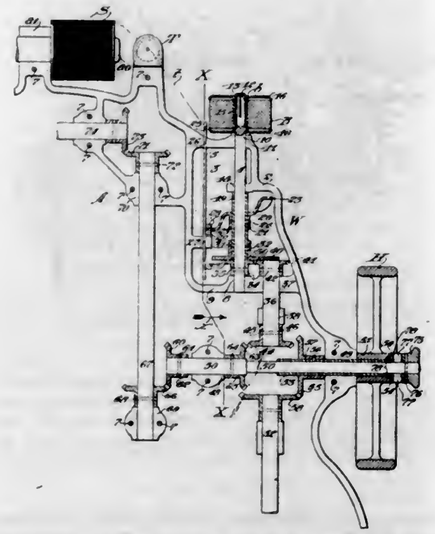
1. A headlight attachment for the purpose set forth comprising a sleeve adapted to be secured intermediate its end to the reflector of a headlight centrally thereof, a combined guide and supporting member adapted to be secured to the rear of the headlight casing and formed of a forwardly extending collar extended into said casing, a shiftable carrier having means for connecting an illuminating element and a connecting ping respectively with the front and rear ends thereof, said carrier supported by said collar and extending into said sleeve and projecting rearwardly from the collar, a hub mounted on said carrier and provided with means arranged within and engaging said sleeve to constitute a combined guide and support for the forward end of the carrier, and means extending through said member below the collar and connected with said hub for shifting the carrier to move said element forwardly and rearwardly, with respect to the reflector to provide for the increasing and diminishing of the glare of the light rays from the illuminating element.

1,502,073. COOKING UTENSIL. BERNARD P. WAGNER, Sidney, Ohio, assignor to The Wagner Manufacturing Company, Sidney, Ohio, a Corporation of Ohio. Filed Dec. 21, 1922. Serial No. 608,313. 5 Claims. (Cl. 53—2.)



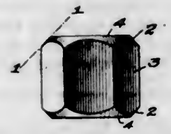
1. In a cooking utensil, the combination with a pot-like vessel provided with a sealing cover; of a plurality of pans adapted to fit in superposed relation within said vessel, said pans being provided with balls pivotally mounted on the pan and being supported by the edge of said pan, when in a substantially horizontal, inwardly extending position, whereby one pan may be thus supported on the other.

1,502,074. BOBBIN WINDER. SIMON W. WARDWELL, Providence, R. I.; Carl V. J. Christensen, Edwin C. Smith, Arthur A. Armington, and Willard W. Bardsley executors of said Simon W. Wardwell, deceased. Filed Apr. 30, 1919. Serial No. 293,589. 11 Claims. (Cl. 242—18.)



1. In a bobbin-winder for sewing-machines, the combination with the hollow arm of the machine head, of a winding-spindle projecting from bearings in the arm, a thread-guide consisting of a single bar mounted to slide in bearings in the arm and projecting outwardly therefrom in opposite parallel relation to the winding-spindle, a traverse-cam mounted free to turn on the spindle within the arm and engaging directly with the guide to reciprocate the latter, and means within the arm for driving the spindle and cam at different speeds.

1,502,075. GAUGE-BLOCK FORM. FLOYD C. WEAVER, Washington, D. C. Filed Nov. 28, 1922. Serial No. 603,800. 5 Claims. (Cl. 33—168.)

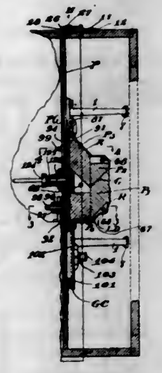


1. A block of the class described comprising a body provided with non-measuring side surfaces and with accurately lapped upper and lower measuring surfaces, and bevelled faces intersecting the accurately lapped measuring surfaces, said bevelled surfaces extending continuously about said block and each forming a frustrum of a cone.

1,502,076. METHOD OF REVIVIFYING CARBONACEOUS FILTERING MEDIUMS. MORIZ WEINRICH, New York, N. Y.; Dorothea Josephine Elizabeth Weinrich executrix of said Moriz Weinrich, deceased. Filed Nov. 29, 1920. Serial No. 427,139. 1 Claim. (Cl. 252—3.)

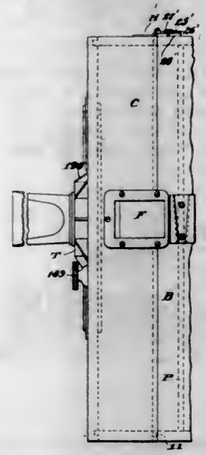
The method of revivifying vegetable carbon after it has been kept in contact with solutions to be purified and thereafter run into filter presses, and while it remains in the presses, which consists in first washing the carbon cakes with hot water until the escaping water is colorless, then washing the cakes with a hot ammonia solution thereby freeing the remaining color and impurities from the cakes, then again washing the cakes with hot water to remove the remaining ammonia solution from the cakes, then subjecting the cakes to compressed air to partly dry the same, and finally discharging the revivified carbon from the presses.

1,502,077. CINEMATOGRAPHIC MACHINE. WILLIAM BURTON WESCOTT, Wellesley, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Original application filed Sept. 11, 1916, Serial No. 119,377. Divided and this application filed Apr. 25, 1921, Serial No. 464,205. 12 Claims. (Cl. 88—16.4.)



1. Optical apparatus comprising a film gate, a film gate cover having a plurality of spaced exposure apertures therein, light dividing means mounted on said cover to divide a beam of light into a plurality of similar beams and means to project the divided parts of the beam through said apertures respectively.

1,502,078. LENS SYSTEM. WILLIAM BURTON WESCOTT, Wellesley, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Original application filed Sept. 11, 1916, Serial No. 119,377. Divided and this application filed Apr. 25, 1921. Serial No. 464,206. 4 Claims. (Cl. 95—42.)



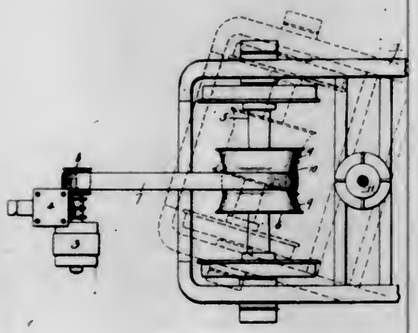
1. Photographic apparatus comprising a light-tight casing having a plurality of optical paths therewithin, said paths having respectively parallel portions adjacent

each other and in line with an opening in the casing, a rotatable member mounted in said opening in light-tight engagement with said casing, and a lens mounted on said member and movable on rotation of the latter into alignment with each of said optical paths.

1,502,079. PROCESS OF MAKING LEAD NITRATE AND HYDRATED MANGANESE DIOXIDE. ERIC HJALMAR WESTLING, Redwood City, Calif., assignor to Emory Winship, San Francisco, Calif. Filed Oct. 4, 1923. Serial No. 666,444. 6 Claims. (Cl. 23—13.)

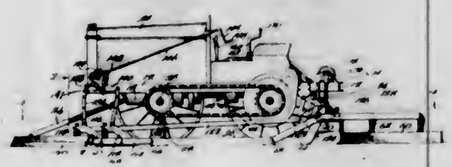
1. The process of producing hydrated manganese dioxide and lead nitrate which comprises reacting manganese nitrate with lead peroxide.

1,502,080. AXLE PULLEY FOR CAR LIGHTING. DON C. WILSON, East Orange, N. J. Filed Apr. 18, 1923. Serial No. 632,881. 2 Claims. (Cl. 105—101.)



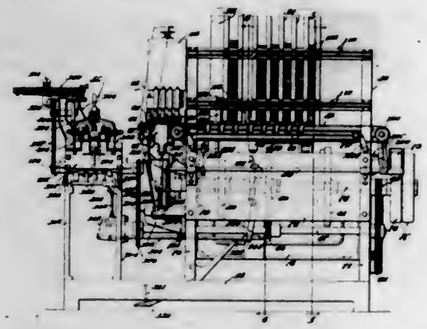
1. In a belt drive, the combination of a pulley turning on a fixed axis, a pulley turning on a swivelling axis and a belt connecting the two pulleys, the swivelling pulley being characterized by a central crown portion on which the belt normally runs and flaring side portions, upon which the belt runs when the pulleys are out of parallelism for maintaining constant belt length.

1,502,081. HIGHWAY-MAINTENANCE MACHINE. FRED D. WILSON and LEONARD S. BURNS, Harvey, Ill., assignors to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed July 6, 1923. Serial No. 649,832. 42 Claims. (Cl. 37—176.)



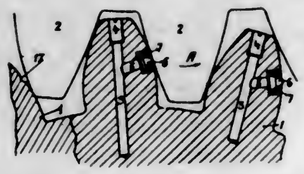
1. In combination with a power driven vehicle, a vertically movable cutting blade in front of the vehicle, power operated means for raising and lowering said blade, and manually controlled means for independently vertically positioning an end of the blade.

1,502,082. HEEL-BUILDING MACHINE. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 20, 1919. Serial No. 283,693. 127 Claims. (Cl. 12—5.)



1. A heel building machine having, in combination, a plurality of lift magazines, means for producing therefrom a series of lifts in a row, means for operating upon the lifts, and an endless conveyer for conveying the lifts so produced in succession to said operating means.

1,502,083. LUBRICATING DEVICE FOR TOOTHED GEARINGS. HEINRICH ZOELLY, Zurich, Switzerland. Filed Oct. 23, 1922. Serial No. 596,445. 8 Claims. (Cl. 74—41.)



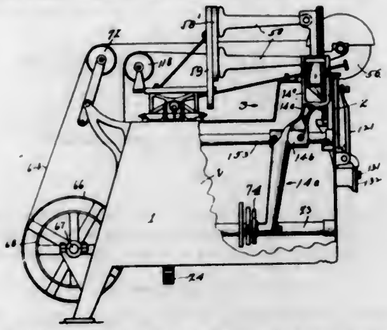
1. Co-acting gear wheels having at least one channel in a tooth of a pair of co-acting teeth, and means controlled by the other tooth to effect the discharge of lubricant from said channel when the teeth co-act.

1,502,084. AIRSHIP. MARION W. ADKINS, Kansas City, Mo. Filed May 1, 1922. Serial No. 557,620. 1 Claim. (Cl. 244—29.)



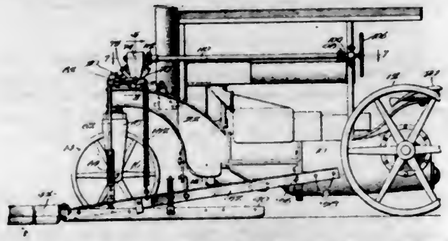
In an airship, a frame including a longitudinal supporting plane at the top thereof, and including two parallel vertical longitudinal trusses, the upper ends of which are attached to the under side of the plane at points spaced apart from the lateral edges of the plane respectively, braces connecting said lateral edges with said trusses respectively, and braces respectively secured to said trusses and attached to the under side of the plane at the inner sides of said braces, substantially as set forth.

1,502,085. SAW-SHARPENING MACHINE. EDWARD P. ARMSTRONG, Portland, Oreg. Filed Apr. 6, 1922. Serial No. 550,007. 24 Claims. (Cl. 76—40.)



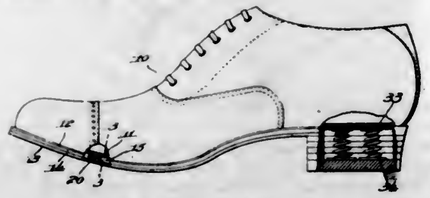
1. In a saw sharpening machine, a rocker-arm, a saw-feeding arm pivoted to one end of said rocker arm, a housing through which said end of said rocker-arm projects, and a supporting surface located under and covered by said housing, said saw-feeding arm having a piece extending under said housing and sliding on said supporting surface.

1,502,086. DOUBLE CONTROL FOR ROAD-ROLLER SCRAPER ATTACHMENTS. WILLIAM T. BEATTY, Flossmoor, FRANK S. DAVIS, Homewood, and FRED D. WILSON, Harvey, Ill.; said Davis and said Wilson assignors to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1923. Serial No. 670,494. 20 Claims. (Cl. 37—146.)



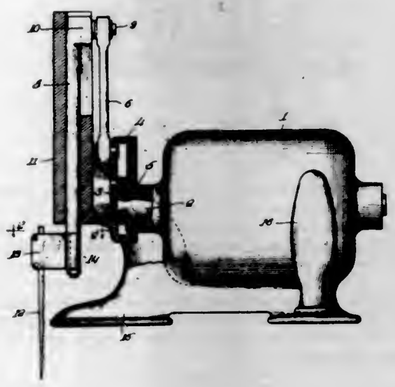
20. In mechanism of the class described, in combination with a traveling roller, a maintainer to be controlled thereby, a pair of pivoted lever arms (68 and 72) equipped with mechanism for pressing the maintainer on the ground, means for so actuating said lever arms, an oppositely extending arm projecting from each of said first arms and a spring (150 or 152) connecting said arm and the maintainer.

1,502,087. BOOT OR SHOE. JULIUS BUNNS, Malden, Mass. Filed Feb. 8, 1924. Serial No. 691,491. 3 Claims. (Cl. 36—28.)



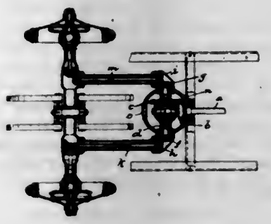
3. A shoe having an inner and outer sole and a welt; a member interposed between said welt and said outer sole and arranged to provide a chamber between said soles; a plurality of spring metal frames each adapted to support and be reinforced by a plurality of other springs; and a plurality of springs carried by each of said frames and adapted to coact with said frames to form a resilient foot tread in a shoe.

1,502,088. CUTTING AND SAWING DEVICE. VINCENT V. COLBY, Chicago, Ill., assignor to Charles A. Brown, Hinsdale, Ill. Filed Feb. 14, 1921. Serial No. 444,966. 5 Claims. (Cl. 143—72.)



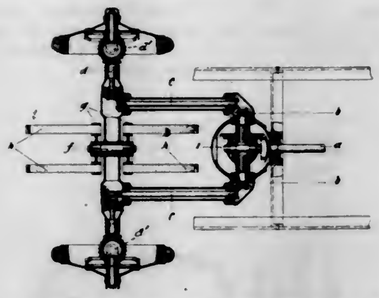
1. In a device of the class described, a reciprocating member, a support carried by said member and mounted thereon to rotate about an axis parallel to the reciprocation of said member, a free-ended saw with teeth in substantially a straight line mounted on said support with the line of its teeth parallel to and distanced from said axis, a table and a disk mounted flush with said table and rotatable on said axis and having a slot therein through which said saw extends, said disc being free to rotate by said saw turning with said rotatable support.

1,502,089. TOOTHED WHEEL-DRIVING MECHANISM FOR MOTOR VEHICLES. PAUL DAIMLER, Cannstatt, Germany, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany, a Corporation of Germany. Filed May 27, 1919. Serial No. 300,222. 3 Claims. (Cl. 180—73.)



1. In a toothed wheel driving mechanism for motor vehicles, the combination of a hollow ball joint, one member of which is adapted to be connected with a chassis, sleeves connected with the other member of said ball joint, driving shafts located in said sleeves and a differential gear located within and enclosed by said ball joint and having its central point coincident with the spherical centre of said ball joint.

1,502,090. RUNNING GEAR FOR MOTOR CARS. PAUL DAIMLER, Cannstatt, Germany, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Filed Aug. 7, 1920. Serial No. 402,059. 4 Claims. (Cl. 180—70.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a motor vehicle, the combination of a frame, a housing, a pivot on said housing extending in the longitudinal direction of the vehicle, vehicle springs, spring supports carrying said vehicle springs and mounted upon said pivot so as to rock in vertical planes transversely to the axis of said pivot, steerable wheels, means whereby said wheels are pivotally mounted upon said housing, and longitudinal driving shafts operatively connected with said wheels and located close to both sides of said spring supports.

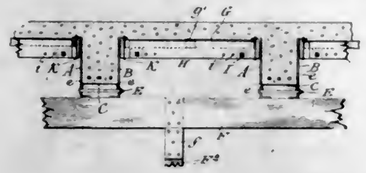
1,502,091. METALLIC DOOR. ROGER W. DISBRO, Cleveland Heights, Ohio, assignor to The W. S. Tyler Co., Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1921. Serial No. 464,437. 2 Claims. (Cl. 189—46.)



1. A metallic door comprising parallel side members and transverse end members constructed of metallic tubular stock, the ends of said transverse members being abutted against the adjacent faces of said side members and integrally united therewith.

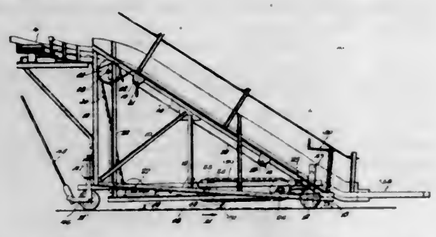
1,502,092. CONCRETE FORM. JAMES H. DUNCAN and SYDNEY ROGOW, New York, N. Y. Filed July 13, 1922. Serial No. 574,616. 15 Claims. (Cl. 25—131.5.)

2. A concrete form of the class described embodying a plurality of joist molding members positioned in side by side relation, each joist molding member being a continuous plate substantially Z shaped in cross section a soffit member of channeled cross section, said soffit member being free from direct attachment to the joist molding members and positioned intermediate said members, bolts passing through said joist molding members and upon which bolts are imposed the flanged edges of



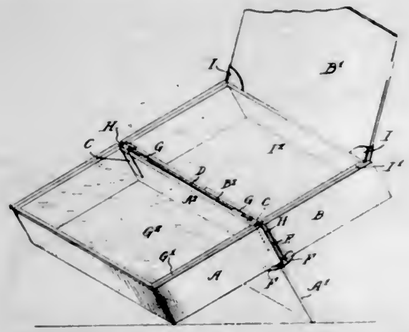
said channelled soffit member, and slab molding members carried by the joist molding members independently of the shoring for supporting the joist molding members.

1,502,093. PORTABLE ATTACHMENT FOR CONVEYERS. GRADY E. FAIRCLOTH and WILLIAM M. MOSELEY, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Nov. 28, 1919. Serial No. 341,145. 20 Claims. (Cl. 198—203.)



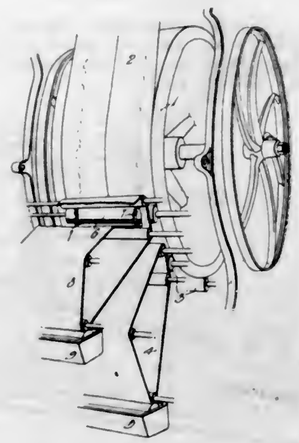
12. A conveyer attachment comprising a frame, a plurality of fixed gravity chutes mounted thereon, an inclined chute movably mounted on said frame, and means for actuating said chute to produce a lateral movement thereof to co-operate with one of said gravity chutes.

1,502,094. CIGAR-DISPLAY DEVICE AND CLAMP FOR ASSEMBLING THE SAME. DANIEL A. GALLAGHER, Cleveland Heights, Ohio. Filed Dec. 12, 1922. Serial No. 606,391. 4 Claims. (Cl. 206—44.)



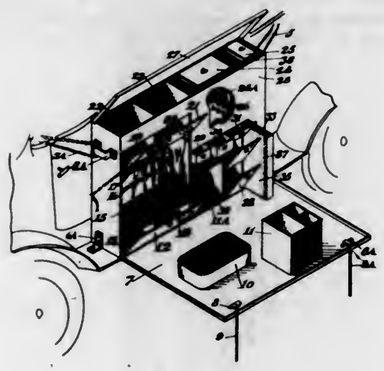
1. A clamp for securing two cigar boxes together in aligned relation consisting of U shaped clamping means adapted to extend over the edges of abutted boxes in combination with an arm secured to said movable clamping means and having clamping fingers at its other end adapted to extend under the bottoms of the boxes and hold them in aligned position.

1,502,095. MACHINE FOR TRIMMING SHEET MATERIAL. JOHN E. GARTSIDE, York, Pa. Filed May 4, 1923. Serial No. 636,655. 4 Claims. (Cl. 101—178.)



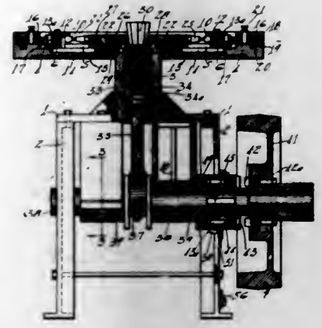
1. The combination with a printing machine having means for printing a design on a sheet; of means for printing a line with acid along the edge of the design to weaken the sheet and permit its edge to be easily torn off.

1,502,096. TOURIST'S KITCHENETTE OR CABINET. LOU SHIELDS GILMORE, El Reno, Okla. Filed Sept. 16, 1922. Serial No. 588,596. 1 Claim. (Cl. 190—12.)



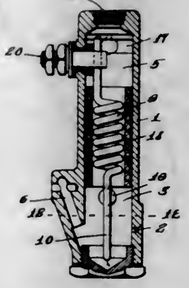
A device of the character stated comprising a casing, a closure at the front, a multiplicity of compartments accessible when said closure is open, a hinged top and compartments accessible when said top is opened, said compartments including an ice receptacle and a juxtaposed drinking-water container, a series of compartments intermediate the front and top compartments, and an independent closure therefor, said last-named closure being in position to be concealed by the first-named closure when closed.

1,502,097. RIM-PUNCHING MACHINE. EMANUEL J. GRACE, Erie Pa. Filed July 12, 1922. Serial No. 574,478. 4 Claims. (Cl. 164—90.)



1. In a rim punching machine, the combination of a plurality of radially and inwardly extending dies; a plurality of radially and outwardly movable punches operating in punching relation with said dies; an adjusting ring arranged outside of the dies; and means actuated by the rotation of said ring for simultaneously adjusting said dies.

1,502,098. PRIMER CONSTRUCTION. CHARLES P. GRIMES, Syracuse, N. Y. Filed July 31, 1923. Serial No. 654,957. 5 Claims. (Cl. 123—180.)

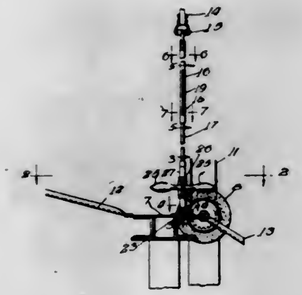


3. A primer for internal combustion engines, comprising a casing, confining an upright chamber, the chamber being formed with a laterally extending portion in its upper portion formed with an auxiliary air passage therein, an outlet leading from the upper portion of the chamber out of alignment with the auxiliary air inlet, a primary air inlet opening into the lower portion of the chamber, a fuel inlet opening into the lower portion of the chamber, a heating element extending lengthwise of the chamber and having a portion extending into the lower end of the chamber in which the liquid fuel is located, and a portion located in the upper part of the chamber above the liquid fuel, and a suction operated valve normally closing the auxiliary air intake.

1,502,099. RING-GRINDING MACHINE. GEORGE H. HIGGINS, Rockford, Ill., assignor to Burd High Compression Ring Company, Rockford Ill., a Corporation of Illinois. Filed Feb. 1, 1921. Serial No. 441,616. 12 Claims. (Cl. 51—129.)

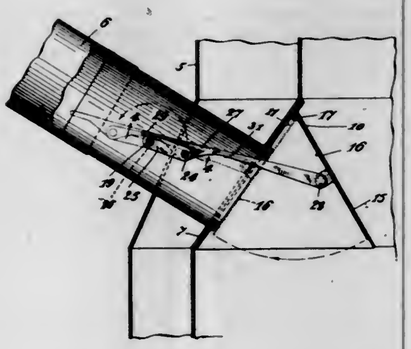
1. The combination with a grinding wheel and a table upon which a ring is adapted to rest and be moved into

and out of peripheral contact with the grinding wheel, of a device for internally gripping a ring on said table, said device being driven from overhead for revolving the ring and having a handle above the ring adapted to be manip-



ulated for freely moving the ring on the table and for bringing said device into and out of operative relation to the ring.

1,502,100. HOT-AIR DAMPER. CYRUS S. HOOD, Corning, N. Y. Filed June 1, 1922. Serial No. 565,149. 5 Claims. (Cl. 126—285.)

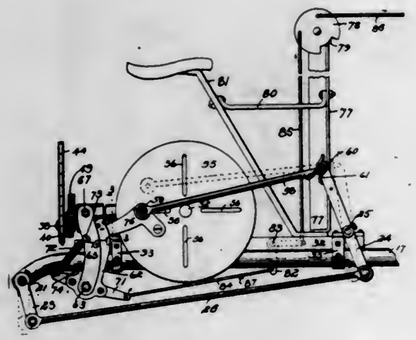


1. A hot air furnace having an inwardly inclined or conical top and a tap pipe extending therefrom, in combination with an inverted V-shaped open-bottom hood having one of the V-faces shaped to fit said furnace top around the tap pipe exit and the opposite face projecting into the draft and formed with a large vent opening; and a flap valve hinged in the apex of said hood; and toggle means for operating it to close either one of said openings, said toggle means being proportioned and arranged so that the toggle elements approach dead center relations as the valve approaches each of its closed positions.

1,502,101. PROCESS OF MANUFACTURING VISCOSE. CHARLES A. HUTTINGER, Lakewood, Ohio, assignor to The Acme Artificial Silk Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 28, 1922. Serial No. 571,567. 3 Claims. (Cl. 106—40.)

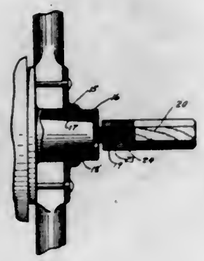
1. In processes of manufacturing viscose, the steps which consist, in saturating wood pulp with a water solution of sodium hydroxide of substantially a specific gravity of 1.17, and subjecting the mixture of said wood pulp and said solution to great pressure so that the resultant alkali cellulose will equal substantially three times the amount of wood pulp utilized, and of which the cellulose will comprise substantially 27 per cent; adding carbon bisulphide to the alkali cellulose of substantially one-third the amount of the original wood pulp utilized; adding a comparatively large amount of water; and filtering.

1,502,102. CARRIER-OPERATING MECHANISM FOR BINDERS. LAURITS KRISTIAN OLESEN BAKKE, Emmetsburg, Iowa. Filed Jan. 29, 1921. Serial No. 441,036. 6 Claims. (Cl. 56—475.)



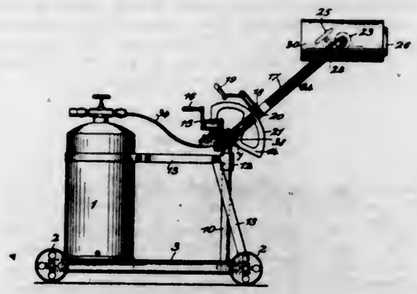
1. The combination of a binder having a bundle carrier capable of moving from carrying to discharging position and back, with a carrier operating mechanism arranged to be operated from a moving part of the binder, means for moving said carrier operating mechanism to position for such operation, and means for varying the position of the carrier operating mechanism relative to the bundle carrier whereby the amount of movement of the bundle carrier may be varied.

1,502,103. WHEEL PULLER. DANIEL S. LAMBERT and CRANSTON B. RADER, Denver, Colo. Filed Feb. 23, 1922. Serial No. 538,633. 2 Claims. (Cl. 29—85.)



1. A wheel removing tool, comprising a hard metal body provided with a socket, that is adapted to encompass the threaded end of an axle arm extending through the hub of its wheel, which socket is of a depth substantially less than the length of said axle arm's threaded end, being threaded for a portion of its length and terminating at its rear end in an annular chamber, that is peripherally unobstructed from said threaded portion to its rear wall, with means projected from the rear thereof to engage the end face of the thread end of an axle arm when extended therein.

1,502,104. LIQUID-FUEL BURNER. JEAN LIEBER, Lausanne, Switzerland. Filed Mar. 24, 1921. Serial No. 455,373. 6 Claims. (Cl. 158—73.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



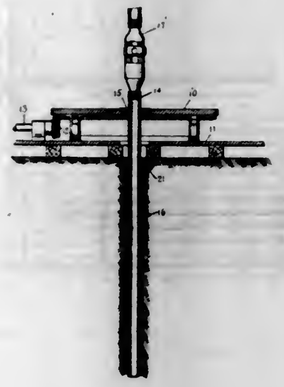
1. In a liquid fuel torch, a nozzle, a cover having an outwardly flared rear end through which atmospheric air is admitted in the longitudinal direction of the torch, a member arranged inside said cover adapted to support said cover and said nozzle, trunnion pins on said member to permit of a swingable mounting of said torch, and means to supply fuel to said nozzle through a central bore in one of the trunnion pins.

1,502,105. TOOL FOR REMOVING CASING FROM WELLS. JAMES W. LOY, Burnett, Calif., assignor of one-half to F. M. Fishback, Long Beach, Calif. Filed Feb. 12, 1923. Serial No. 618,699. 8 Claims. (Cl. 255—35.)



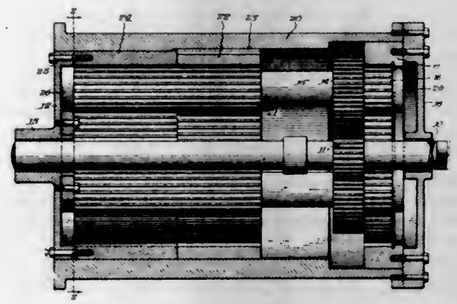
1. In a tool of the character referred to, a part adapted to be turned in one direction, a part adapted to be turned relative to said first part, reversal transmission mechanism between said parts adapted when said first part is turned in one direction to turn the other part in the opposite direction, said second part being open to receive an object inserted therein, and gripping means in said second part adapted to be closed upon said object to turn it therewith.

1,502,106. DEVICE FOR OIL AND GAS WELLS. WILLIAM H. LYNE, Houston, Tex. Filed June 10, 1922. Serial No. 567,382. 6 Claims. (Cl. 166—15.)



1. In hydraulic well drilling apparatus, a well casing, a pipe connection adapted to be attached to a hollow drill stem and having an external periphery of greater diameter than that of the well casing, and a valve positioned within said connection.

1,502,107. SPEED-REDUCING DEVICE. EARL E. MCCOLLUM, Downers Grove, Ill. Filed Sept. 28, 1922. Serial No. 591,041. 2 Claims. (Cl. 74—34.)

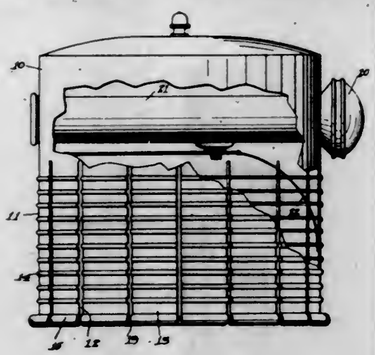


1. In a speed reducing mechanism, the combination of a casing, a drive shaft having a pinion, a pair of internal gear rings of the same pitch diameter and of a different number of teeth, shafts mounted for planetary movement about said drive shaft, pinions on said shafts, each pinion engaging said gear rings whereby to effect relative movement thereof, and a gear of larger diameter than said last named pinions, said gears being fixed to said planetary shafts and engaging said drive pinion whereby to reduce the speed of said planetary shafts.

1,502,108. MARINE HAT. JAMES E. MCWILLIAM, North Oxford, Mass. Filed Mar. 7, 1923. Serial No. 623,373. 4 Claims. (Cl. 240—8.4.)

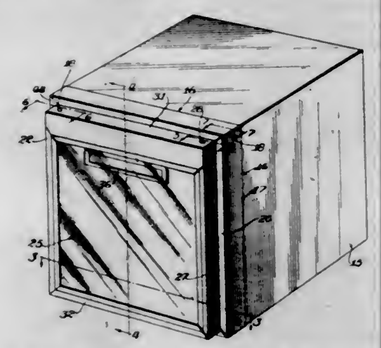
1. As an article of manufacture, a hat formed of sheet metal having a continuous crown and a lower por-

tion formed of a plurality of independent yielding tongues of sheet aluminum integral with the crown and



free from each other at the bottom to permit adjustment of the size of the hat.

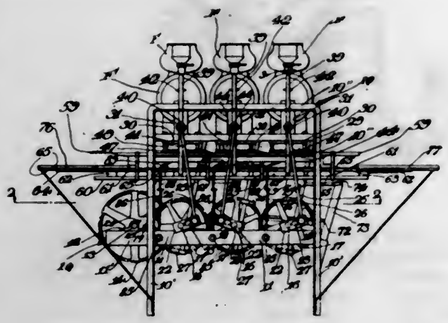
1,502,109. FOOD-DISPLAY COVER. MYER METZGER, Chicago, Ill. Filed Sept. 21, 1922. Serial No. 589,609. 12 Claims. (Cl. 220—82.)



1. A food display cover embodying a receptacle engaging frame, a supplemental frame swingingly connected with the first recited frame, a transparent element forming a covering for the opening in the said supplemental frame, one of the peripheral walls of the supplemental frame being separate from the remaining walls, and means detachably securing the said separate wall to the remaining walls.

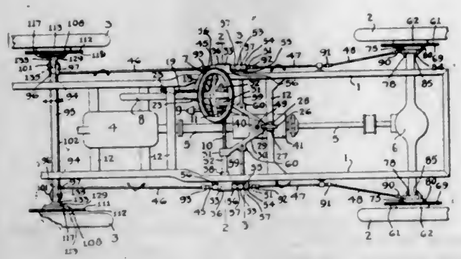
1,502,110. ICE-CREAM-BRICKING MACHINE. JULIUS JOHN MOJONNIER and HARLEY R. PHILLIPS, Oak Park, and HENRI B. WARREN, deceased, late of Oak Park, Ill., by Lewis W. Warren, administrator, Oak Park, Ill., assignors to Mojonnier Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed July 3, 1922. Serial No. 572,653. 11 Claims. (Cl. 226—99.)

1. The combination with an upper plate having a supply opening and a cylinder opening therein, of a cylinder mounted in said cylinder opening, a plunger mounted for reciprocation in said cylinder, a lower plate disposed parallel to said upper plate and having discharge openings therein, pins interposed between and operating through said plates, means mounted on said pins for forcing said plates toward one another, a valve mounted for reciprocation between said plates having a pocket therein with discharge openings in the bottom and a block at one end thereof, the valve at one end of its path of movement being positioned with the discharge openings thereof in registration with the discharge openings of the lower plate and the block sealing the supply opening in the upper plate and at the opposite end of its path of movement being positioned with the discharge openings thereof out of registration with the like openings of the lower plate and the pocket thereof connecting the aforesaid supply opening with said cylinder, a valve stem fixed to said valve, having an oblique slot therein, an oscillatory rod for operating said valve, and an arm secured to the rod aforesaid and in the oblique slot of the valve stem.



9. A machine of the class described including a carrier for advancing containers step by step through the machine; a series of filling units spaced according to said steps, to which each container is moved in succession to be filled in part at each unit, each unit comprising a fixed cylinder, a piston movable therein and valve means for connecting the cylinder for loading upon one movement of the piston and for discharging upon the opposite movement of said piston; means for operating said units by actuating said pistons and valve means, one operating means being provided for each piston and valve means; and means under the control of the containers for controlling said operating means, one such control means being provided for each operating means and being responsive to the positioning of a container at the corresponding filling unit to set the operating means of that unit into operation.

1,502,111. BRAKE MECHANISM FOR ROAD VEHICLES. GEORGE E. MOLYNEUX, Bayonne, N. J., assignor of one-half to John F. Alvord, New York, N. Y. Filed Mar. 10, 1921. Serial No. 451,131. 43 Claims. (Cl. 188—106.)



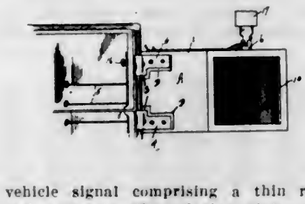
1. A brake mechanism for road vehicles comprising a plurality of flat friction producing members of large area arranged in pairs and operable upon all four wheels of the vehicle, and means for controlling the operation of the said members including a service device, the said members being mounted so that one of each pair shall have bodily movement in a right line relatively to the other, and the members of the pairs shall have simultaneous frictional contact throughout their functional surfaces.

1,502,112. METAL RECEPTACLE. CHARLES L. MOORMAN, Chicago, Ill. Filed Sept. 18, 1922. Serial No. 588,767. 10 Claims. (Cl. 220—75.)



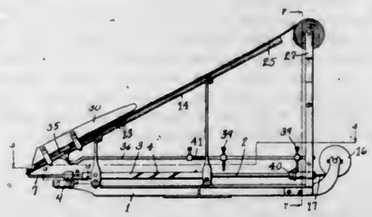
1. A sheet metal receptacle having an interlocking seam further secured by distortions at intervals in one side only of said seam.

1,502,113. VEHICLE SIGNAL. WILLIAM R. MUDD, Evanston, Wyo. Filed June 20, 1921. Serial No. 478,974. 2 Claims. (Cl. 116—53.)



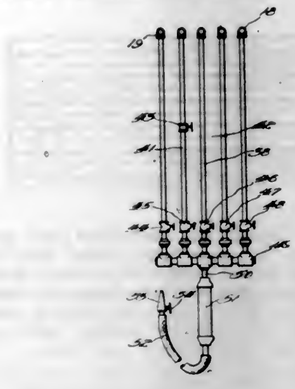
1. A vehicle signal comprising a thin rectangularly shaped casing; a plurality of sign plates operable entirely within said casing and spaced from each other by guide strips; a lock positioned centrally on said casing whereby any one of said sign plates may be fastened in display position to indicate the vehicle is being operated contrary to the sign displayed; a light shade on said casing to direct rays of light on said sign plates when exposed to sight; a light globe mounted on said casing to be electrically illuminated; and connecting rods fastened on the respective sign plates and protruding through one end of said casing to move said sign plates as desired.

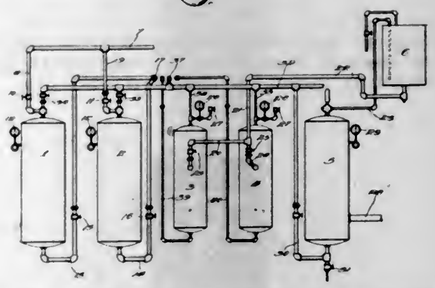
1,502,114. BAG-TYING MACHINE. LEWIS D. NELSON, Coldwater, Mich. Filed Sept. 11, 1922. Serial No. 587,615. 11 Claims. (Cl. 140—93.)



1. In a machine for tying bag ties, the combination of a spindle mounted for longitudinal and rotative movement, means for rotating said spindle comprising a tubular member having a spiral slot therein with a longitudinal extension at the rear end of the slot, tie engaging hooks pivotally mounted on said spindle, a pin at the forward end of said spindle, and positioning means coacting with said pin and comprising a pair of plates spaced to provide a guiding groove, one of said plates having a forwardly projecting curved finger.

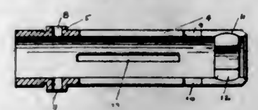
1,502,115. APPARATUS FOR CLEANING MOTOR VEHICLES. JACOB P. NICHOLSON, Chicago, Ill., assignor to Klean Rite Auto Laundry, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1922. Serial No. 594,662. 3 Claims. (Cl. 299—84.)





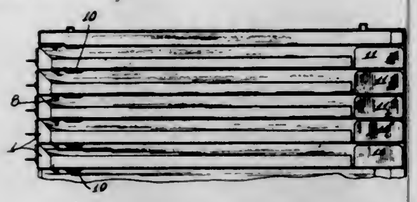
1. In a vehicle cleaning apparatus, the combination with a vehicle support, of a plurality of independent vessels adjacent said support for containing water, a detergent and a grease solvent, a mixing chamber in communication with certain of the vessels, a compressed air line in communication with said mixing chamber, means for introducing substances to each of said vessels, discharge lines from said vessels, independent valves in each discharge line, a common header in communication with each of said discharge lines, and a turbulator adjacent said header for receiving materials passing therethrough whereby predetermined mixtures of the various substances of the turbulator are thoroughly intermixed and placed in a vaporous form, and a discharge nozzle leading from said turbulator.

1,502,116. FEED CHUCK. JAMES R. O'CONNELL, Rochester, N. Y., assignor of one-half to John O. Bennett, Rochester, N. Y. Filed Oct. 19, 1923. Serial No. 669,485. 3 Claims. (Cl. 29—62.)



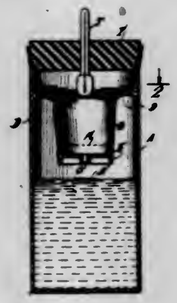
1. In a feed chuck, the combination of a tubular body member, a pair of spring fingers formed at one end of said tubular body section, a radial channel formed on the inside of said spring fingers, a pair of gripping members adapted to be inserted between said spring fingers, said gripping members having a spherical perimeter corresponding to the inside diameter and outline of said radial channel, said radial channel being adapted to engage and hold said gripping members against endwise movement within said spring fingers.

1,502,117. CABINET SUCH AS USED FOR VISIBLE INDEX. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, a Corporation of New Jersey. Filed Dec. 5, 1921. Serial No. 520,192. 5 Claims. (Cl. 45—96.)



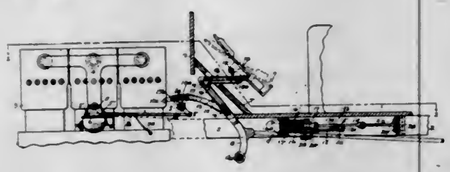
2. In a filing cabinet, the combination with upper and lower ledges, the upper ledge having stops and resilient frictional braking surfaces at the rear of said stops, a tray slidable upon said lower ledges, an anchor hinged to the rear of said tray and having a raised abutment adapted for yieldingly passing under said braking surfaces and be arrested by said stops.

1,502,118. VISCOSITY-TESTING DEVICE. WILLIAM F. OSBORNE, Westwood, N. J. Filed Dec. 11, 1919. Serial No. 344,002. 19 Claims. (Cl. 265—11.)



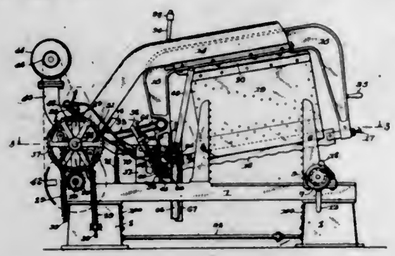
1. In a viscosity testing device, the combination of an outer receptacle for holding the liquid to be tested and an inner measuring receptacle having an opening in the bottom through which the liquid to be tested will flow, and having upper openings connecting the inner and outer receptacles permitting the liquid to flow freely from one to the other.

1,502,119. FOOT ACCELERATOR FOR AUTOMOBILES. GEORGE A. PURDY, Watertown, N. Y. Filed Oct. 3, 1923. Serial No. 666,324. 3 Claims. (Cl. 74—81.)



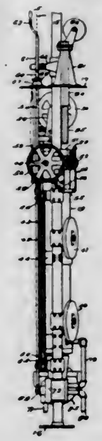
1. In combination with a throttle and a brake pedal of an automobile, a foot rest pivoted on the brake pedal, the latter having a transverse slot, a lever pivoted in said slot, means connecting one end of the lever to the foot rest, and a play connection between the opposite end of the lever and the throttle.

1,502,120. MACHINE FOR CUTTING RUBBER AND THE LIKE. CHARLES RASMUSSEN, Racine, Wis., assignor of one-half to Ralph T. Ingalls, Racine, Wis. Filed Apr. 5, 1920. Serial No. 371,437. 20 Claims. (Cl. 164—48.)



1. In a machine for cutting rubber and the like, the combination of a cutting blade and means for continuously conducting under confinement a lubricating liquid and delivering it to the blade adjacent its cutting edge within a cut.

1,502,121. HYDRAULIC HOIST. CHARLES DE LOS RICE, West Hartford, Conn. Filed Feb. 15, 1923. Serial No. 619,245. 19 Claims. (Cl. 254—189.)

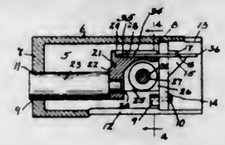


1. A hydraulic hoist having co-operating stationary and traveling pulleys for paying out and drawing up cable, a hoisting cable passing around said pulleys, means for causing said pulleys to approach and recede with relation to each other, and auxiliary means adapted to grip the hoisting cable for paying out cable, operated in conjunction with the movements of the means for causing the approach of the traveling pulleys.

1,502,122. STOKER RAM. GILBERT WAYNE RUGGLES, Youngstown, Ohio. Filed Nov. 26, 1920. Serial No. 426,341. 12 Claims. (Cl. 198—226.)

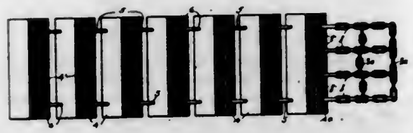
1. In an apparatus for feeding material, the combination of two ram members having contiguous faces adapted to engage with and push the material to be fed, means for reciprocating one of said members, and means interconnecting said members so as to render same conjointly operable, said means permitting one of said members to become inoperative under abnormal conditions.

4. In an apparatus for feeding material, the combination of two ram members having contiguous faces adapted to engage with and push the material to be fed, means directly connected with one of said members for reciprocating the same, and a frangible element operatively interconnecting said members so as to render the same normally conjointly operable, said element being arranged and constructed so as to be under tension during the feeding movement of said members.



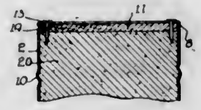
11. In an apparatus for feeding material, the combination of a ram member, a reciprocatory cross-head within said member, said cross-head being adapted directly to engage with said member to retract same; and a frangible element interconnecting said member and cross-head, said element being arranged so as to be under tension during the feeding movement of said member and constructed to break under a predetermined strain.

1,502,123. TRACTION MAT. SAM SALL, Syracuse, N. Y. Filed Apr. 10, 1924. Serial No. 705,487. 3 Claims. (Cl. 238—14.)



1. A traction mat comprising a plurality of parallel transversely disposed angle irons, single links connecting the opposite ends of the adjacent edges of the said irons and evenly spacing the same, and a woven chain section projecting from one end of the angle-iron body adapted to provide initial traction for a mired vehicle wheel.

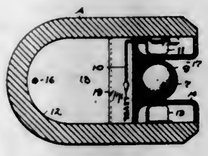
1,502,124. METHOD OF MAKING PACKAGES. WILLIAM A. L. SCHAEFER, Chicago, Ill., assignor to Jointless Fire Brick Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,270. 1 Claim. (Cl. 220—55.)



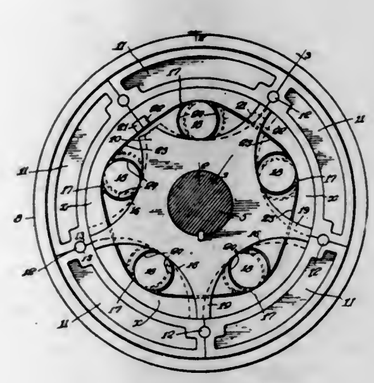
The method of making a package comprising filling an open top closed bottom container with loose material to a level near the top thereof, supporting a cover on said material within the margin of said container above said level, bending the top peripheral margin of said container inwardly over said cover, and driving fastening means through said margin into said cover, utilizing said material to support said cover while said fastening means are being so driven in.

1,502,125. LIQUID-LEVEL INDICATOR. DUDLEY H. SCOTT, Cleveland, Ohio. Filed Feb. 24, 1921. Serial No. 447,467. 6 Claims. (Cl. 73—82.)

1. A liquid level indicator for ammonia receivers and other apparatus, comprising a non-magnetic gauge column containing a movable magnetic element adapted to settle within the liquid in the column, and a magnetic device slidably engageable with the exterior of said column and carrying an armature adapted to be deflected by said magnetic element in raising or lowering said device longitudinally of said column.



1,502,126. DIFFERENTIAL CLUTCH FOR POWER-DRIVEN VEHICLES, ETC. BERNHARD SETTERGREN, Chicago, Ill. Filed May 20, 1920. Serial No. 382,704. 15 Claims. (Cl. 192—50.)

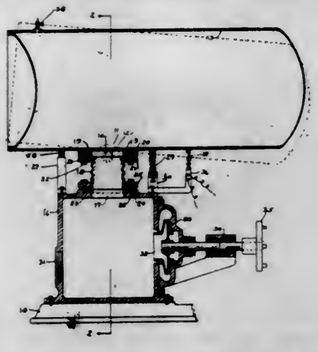


1. In a clutch of the kind specified the combination with a drive axle, of a hollow casing loosely mounted thereon whose inner circumference is concentric to said axle, an inner clutch member securely mounted upon said axle within said casing, an outer expansible clutch member whose outer circumference has a slipping engagement with the inner circumference of the casing and a cylindrical rolling element interposed between said clutch members and movable circumferentially independently thereof which when said inner member revolves engages and causes said outer member to expand and engage the inner circumference of and transmit the motion of the axle to said casing.

1,502,127. TANK OR LIQUID RECEIVER. BENJAMIN SKIDMORE, Jr., Chicago, Ill. Filed July 20, 1922. Serial No. 576,201. 10 Claims. (Cl. 103—25.)

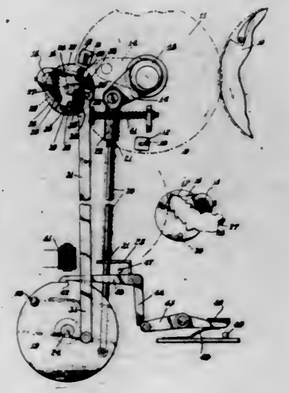
1. In combination, a tilting receiving chamber controlled in its movement by the accumulation of liquid therein, a combined inlet and outlet for liquid adjacent

but separate from the pivot of the chamber, and means connecting said inlet and outlet with the return line



of a steam heating system, the said means embodying a flexible pipe section.

1,502,128. NUMBERING MACHINE. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed June 16, 1922. Serial No. 568,733. 15 Claims. (Cl. 101—77.)

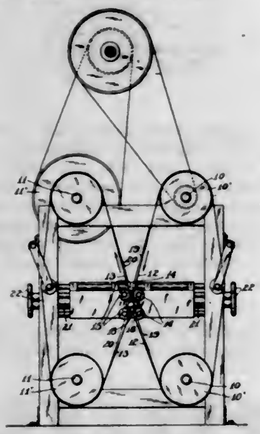


1. A numbering machine embodying therein an impression cylinder, a numbering head cylinder, a numbering head carried by said numbering head cylinder, a movable striker member adapted to be brought into or out of the path of movement of said numbering head, means adapted to operate upon said last named member, an eccentric bushing operative upon a bearing for said numbering head cylinder, an oscillatory member, operative connections between said oscillatory member and said eccentric bushing, and said means for imparting movement to said striker member, and means whereby said oscillatory member may be actuated by the operator of the machine.

1,502,129. PROCESS OF MELTING SCRAP METAL AND RECOVERING BY-PRODUCTS THEREFROM. GEORGE H. STARMANN and HENRY LINDENBERGER, Chicago, Ill., assignors to U. S. Reduction Co., a Corporation of Illinois. Filed Dec. 18, 1919. Serial No. 345,780. 5 Claims. (Cl. 75—17.)

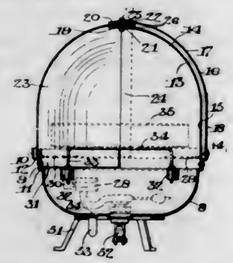
1. A method of obtaining ammonia from scrap aluminum including melting the scrap aluminum beneath a fused layer of a soluble salt, the subsequent leaching of the salt with water to dissolve the salt and simultaneously convert the aluminum nitride collected by the salt during the melting operation into aluminum hydroxide and ammonia and separating the ammonia so formed from the other materials.

1,502,130. SANDING MACHINE. JOHN A. ST. CLAIR, Indianapolis, Ind. Filed Dec. 7, 1922. Serial No. 605,335. 4 Claims. (Cl. 51—140.)



1. A sanding machine comprising an abrading belt and cooperating feed belt, means for driving said two belts at different speeds and in opposite directions at adjacent portions, and an article guide leading to and from a point between adjacent portions of said belts at an angle, other than right angle, to the direction of travel of one of said belts.

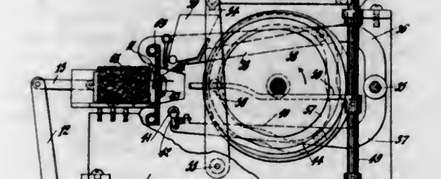
1,502,131. DISHWASHER. JOHN VAUDREUIL, Milwaukee, Wis. Filed Feb. 15, 1922. Serial No. 536,627. 4 Claims. (Cl. 141—9.)



1. In a dish-washing machine, the combination of a fixed casing provided with an opening, and a movable door completing said casing and pivotally connected to the top thereof, a part of the casing having a double wall receiving the door when said door is moved to open position, the edges of the door projecting into the space between said double walls when in closed position.

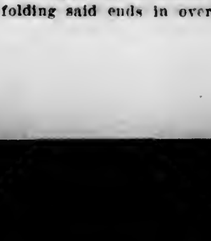
1,502,132. CASEMENT-WINDOW OPERATOR. ROLAND B. WORTHINGTON, Miami, Fla., assignor to Miami Manufacturing Company, Miami, Fla., a Corporation of Florida. Filed Dec. 26, 1922. Serial No. 609,047. 8 Claims. (Cl. 268—15.)

1. A casement window operator comprising a relatively long and narrow horizontally disposed casing adapted to be secured upon a window sill within a rectangular notch in the lower end of a window screen, opposite sides of the casing having slots, a window operating arm extending through said slots, and a spring-



pressed plunger disposed longitudinally in said casing and engaging said arm to effect holding of the latter in adjusted position.

1,502,133. PROCESS OF FORMING TURNBUCKLES. CARL E. ANDERSON, Grand Haven, Mich., assignor to Bolling Manufacturing Company, Grand Haven, Mich., a Corporation of Michigan. Filed Oct. 5, 1921. Serial No. 505,630. 3 Claims. (Cl. 29—175.)

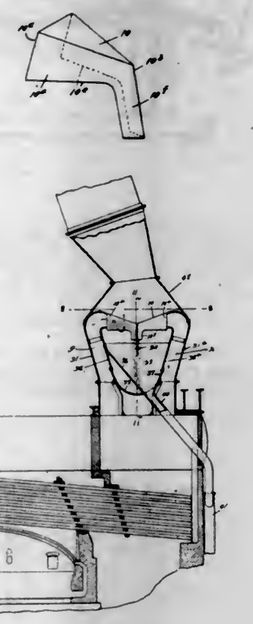


1. The process of forming a turnbuckle, which comprises the operations of cutting a sheet metal blank to form a member having parallel transverse parts connected by parallel arms, and bending said transverse parts to form two cylinders and to bring said arms into parallel planes connecting said cylinders.

1,502,134. TUBULAR-BAND-MAKING MACHINE. MAX OTTO CLAUSS, New York, N. Y. Filed May 25, 1921. Serial No. 472,533. Renewed Oct. 20, 1923. 11 Claims. (Cl. 93—81.)

1. In a mechanism for forming paper bands, a magazine, means movable towards and from the magazine for successively receiving single paper blanks therefrom, means movable with respect to said blank receiving means and with which the latter is adapted to coact to fold the ends of the blanks in parallel relation to each other, additional means for applying an adhesive to one end of the blank and folding said ends in overlapping relation to adhesively connect the same, individual actuating cams for the several blank folding means to operate the same in timed relation to each other, and a common operating shaft for the several actuating means.

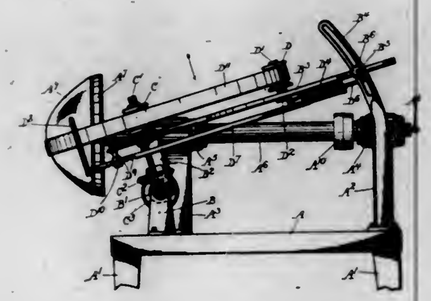
1,502,135. APPARATUS FOR SEPARATING SOLID PARTICLES FROM A GAS STREAM CONTAINING THEM. MAURICE W. CARTY, Boston, Mass. Filed June 28, 1920. Serial No. 392,390. 32 Claims. (Cl. 183—109.)



6. A cinder separator having a top-wall and downwardly extended side-walls having substantially horizontal bottom edges, said side walls inwardly inclined and contiguous at one end whereby to form a V-shaped compartment which has its length extended in the direction of gas entrance, and which has an open end, a closed end opposite the open end, and an open bottom extended in the direction of gas entrance, said compartment arranged to receive the cinder-laden gas stream through its open end and deflect it downwardly to cause it to pass through the open bottom under the bottom edges of the side-walls upwardly out of the separator, whereby cinders will be projected from the gas stream into the apex of the V-shaped compartment and fall out of the separator beyond the gas stream, and also out of the gas stream as it passes under the bottom edges of the side-walls of the separator.

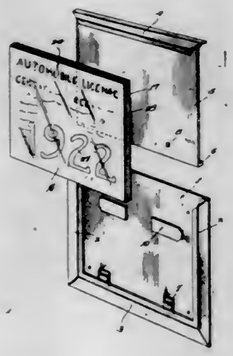
32. The combination of a boiler uptake, a dust hopper arranged to enclose a dead gas space disposed in said uptake to divide it in two opposed, substantially vertical passages, said passages having opposed gas outlets at the top disposed in substantially free and unobstructed communication with said dust pocket, said gas outlets arranged to direct opposed gas streams into said receptacle substantially horizontally over the dead gas space in said hopper, said passages having horizontally long and vertically thin opposed gas outlets at the top arranged to direct vertically thin opposed gas streams substantially horizontally into said uptake over the dead gas space in said hopper, and said passages and uptake arranged to cooperate to change the direction of motion of the opposed gas streams abruptly upward.

1,502,136. GLASS-POLISHING MACHINE. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 2, 1922. Serial No. 591,783. 9 Claims. (Cl. 51—145.)



1. In a polishing machine, means for rotating the work, a polishing belt adapted to be looped about the work, and means for driving it across the face of the work in a plane inclined to the axis of rotation thereof.

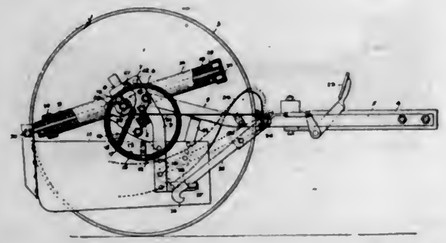
1,502,137. IDENTIFICATION TAG. EARL J. W. DE FOREEST and FREDRICK W. BAILEY, Tulsa, Okla. Filed Nov. 7, 1922. Serial No. 599,527. 7 Claims. (Cl. 40—15.)



1. The combination with a holder for an identification medium and which holder is open at its front and adapted to be sealed against intact removal of the said medium, of a transparent pane in said holder exposed at the open front thereof, a protective plate within the holder in rear of the pane, and an identification medium having a portion disposed between the pane and plate and another portion disposed in rear of the plate and protected thereby.

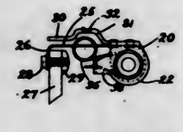
1,502,138. LAND LEVELER AND GRADER. FELIX E. DUNN and JULIUS E. PATTERSON, Klamath Falls, Oreg. Filed Apr. 16, 1923. Serial No. 632,225. 10 Claims. (Cl. 37—132.)

1. Land leveling and grading apparatus comprising an axle having a crank portion, wheels mounted for free rotation on extremities of the axle, a draw bar, means for pivotally connecting the draw bar with the crank portion of the axle, clutch means associated with the wheels and axle for locking the wheels to and causing movement of the axle upon movement of the wheels, a scoop, members rigidly connected with the scoop and pivotally connected with the crank portion of the axle and spring devices connected with the crank portion of the axle



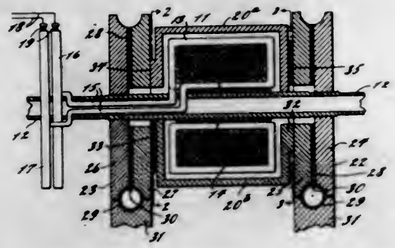
and with the rear portion of the scoop, which spring devices are placed under tension when the scoop is moved into and maintained in scooping position.

1,502,139. BRUSH HOLDER. ROBERT W. ELLIOTT, WARREN A. JOHNSTON, and LEWIS J. BUERKLE, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 13, 1921. Serial No. 484,426. 11 Claims. (Cl. 171—324.)



1. In a dynamo electric machine the combination with the commutator thereof and a brush for engaging the commutator; of means for holding said brush in engagement with the commutator so that different portions thereof will engage said commutator under varying speeds.

1,502,140. WELDING APPARATUS. THOMAS M. HUNTER, Newark, N. J., assignor, by mesne assignments, to Newark Tube Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 24, 1922. Serial No. 546,336. 16 Claims. (Cl. 219—3.)

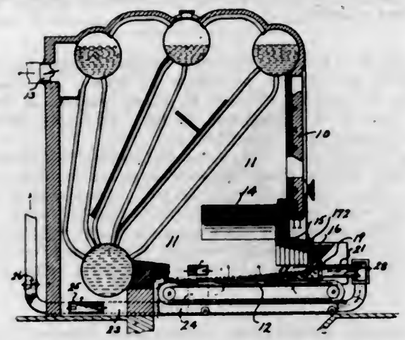


1. A transformer for heating and the like, comprising a single rotatable primary and a compound rotatable secondary having a plurality of insulated sections.

1,502,141. FUEL-COMBUSTION APPARATUS. DAVID J. IRISH, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Sept. 21, 1921. Serial No. 502,221. 24 Claims. (Cl. 110—24.)

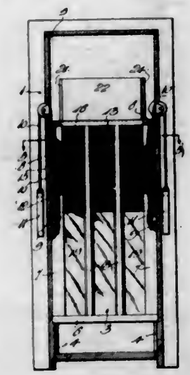
1. In a fuel combustion apparatus, a fuel hopper, a grate, a perforated ignition plate between the hopper and

the grate over which the fuel passes to the grate, and means to draw gases from above the grate first through



the fuel on the ignition plate and then through said perforations and return them to the gases from the fuel on the grate.

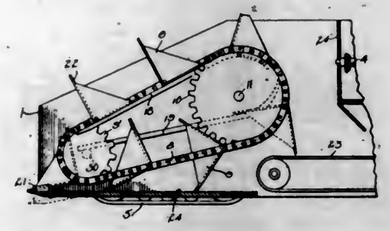
1,502,142. WINDOW. CARL JOHAN JACKSON, Superior, Wis. Filed July 19, 1923. Serial No. 652,564. 2 Claims. (Cl. 20—52.1.)



1. A window structure comprising a frame having a downwardly opening pocket in its upper end, a sealing strip at one side of said pocket, said strip having its ends rabbeted and spaced from the adjacent sides of the window frame, upper and lower slidable sashes in said frame, said upper sash comprising a lower rail, a pair of vertical side rails rabbeted on their inner edges for firm sliding engagement with the rabbeted ends of said sealing strip and having sash cord grooves on their outer edges, a vertical saw-cut opening through their upper ends and inner and outer edges, a screen stretched between said vertical side rails and having its edge portions passed through said saw-cuts, bent laterally and secured in said grooves, and an upper rail to which said screen is secured said upper rail having its ends rabbeted into the upper ends of said side rails.

1,502,143. COMBINED SHOVELING AND LOADING DEVICE. ERNEST THOMAS KELL, Benton, Ill. Filed June 5, 1922. Serial No. 566,096. 4 Claims. (Cl. 198—8.)

1. A device of the type described comprising a movable frame, an endless bucket conveyor disposed adjacent to one end of said frame and being adapted to convey a pile of loose material into said frame, said conveyor comprising chains, buckets pivotally carried by said chains, said buckets having laterally extending projections, guide members carried by said frame and being disposed so as to engage with the projections of said buckets during the

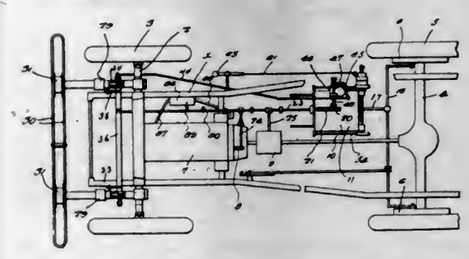


digging operation of said buckets, whereby said buckets are held in the same plane during a part of their movement and means for moving the guide members with respect to the frame.

1,502,144. COMPOUND FOR BRAZING AND WELDING. ARTHUR J. KNOWLES, Wilmington, Del. Filed Jan. 3, 1923. Serial No. 610,517. 3 Claims. (Cl. 148—24.)

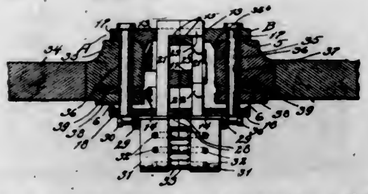
1. A compound of the character described containing calcium hydroxide, alumina, aluminum, borax and potassium chlorate.

1,502,145. BUMPER-OPERATED BRAKE AND CLUTCH MECHANISM. ANGELOS KURTIS, Jacksonville, Fla. Filed Jan. 15, 1924. Serial No. 686,352. 8 Claims. (Cl. 180—83.)



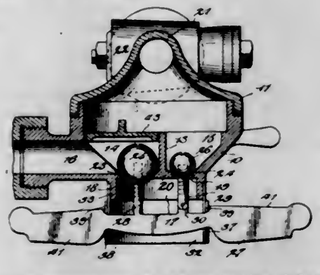
1. A device of the class described including an operating mechanism, connections between said mechanism and and the drive connection between the power unit and the rear axle of the vehicle and a brake operating mechanism for disconnecting the drive connections and applying the brakes when the mechanism is released for operation, releasable means for holding the operating mechanism set for operation, and bumper controlled means for releasing the last mentioned means having a pair of brackets mounted on the front axle of the vehicle formed with spaced parallel bearings, a pair of spaced parallel bumper bars connected at the end portions extending transversely of the vehicle and forwardly thereof, the forward bar having rod projections in line with the bearings of the brackets, the rear bar having sleeves slidably mounted therein and in the bearings and extending around the rod projections, the resilient means between the sleeves and the front bar for permitting relative movement between the sleeves and the front bar for permitting a relative movement between the sleeves and the rods when the bumper engages an object, connections between the rods and the releasable means adapted to operate said means in the operation of the rod to release said operating means, and connections between said sleeves and the operating means whereby the operations of said mechanism will retract the bumper from the object during the operation thereof and will project the bumper to its forward position in the resetting thereof.

1,502,146. CAR COUPLER. ONESIME H. LE COMPTE, St. Louis, Mo., assignor to Le Compte Standard Automatic Drawbar and Connector Company, Denver, Colo., a Common Law Trust. Filed Feb. 16, 1921. Serial No. 445,471. 9 Claims. (Cl. 213—88.)



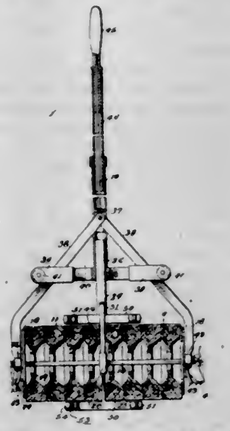
1. In a coupling construction, a draw bar, a shell like coupling head provided with an integral stationary knuckle and carried pivotally and vertically movable by said draw bar, a gravity actuated locking pin passing completely through the coupling head, and means for automatically elevating the locking pin by the knuckle of a companion coupler during coupling engagement.

1,502,147. FAUCET. BENJAMIN H. MCDUFFIE, Brooklyn, N. Y. Filed Mar. 28, 1921. Serial No. 456,356. 8 Claims. (Cl. 277—20.)



1. A faucet comprising a casing having inlets and an outlet, and valve-means between the inlets and the outlet, said valve-means including seats and gravitate members which coact with the seats, and a manipulator connected to and suspending from said gravitate members.

1,502,148. FLOOR-SCRUBBING MACHINE. SILVIO MAGATON, New York, N. Y. Filed Sept. 10, 1921. Serial No. 499,732. 5 Claims. (Cl. 15—98.)



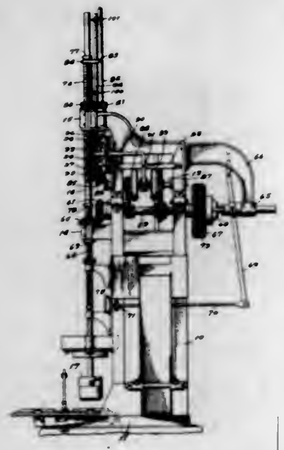
1. A scrubbing implement including a support, an absorbent scrubbing element carried thereby for rotation, means to lock the element to the support against rotation, a handle, a pair of members mounted thereon to engage said element between them to expel the water from the element by compressing the same when the members are moved together.

1,502,149. PURIFYING AND DEODORIZING ISOPROPYL ALCOHOL. MATTHEW D. MANN, Jr., Roselle, N. J., assignor to Seth B. Hunt, trustee, of Mount Kisco, N. Y. Filed Sept. 8, 1921. Serial No. 499,234. 9 Claims. (Cl. 260—156.)

1. The method of purifying and deodorizing isopropyl alcohol derived from hydrocarbon gases containing olefins which comprises treating the alcohol with a relatively small proportion of active halogen material.

8. The method of deodorizing isopropyl alcohol prepared from hydrocarbon material which comprises treating it with chlorine and active decolorizing carbon.

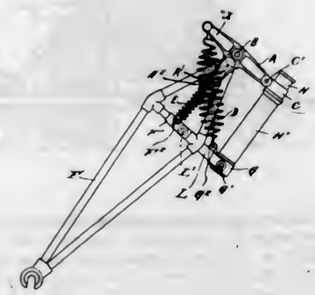
1,502,150. REVERSING MECHANISM. GEORGE CUSHING MARTIN, Los Angeles, Calif. Original application filed July 31, 1920, Serial No. 400,525. Divided and this application filed Apr. 18, 1922. Serial No. 555,482. 7 Claims. (Cl. 74—14.)



1. In combination with a shaft journaled in bearings, said shaft being adapted for rotary and endwise movement in said bearings; means operated at each end of the path of movement of said shaft for reversing the direction of said shaft; said means comprising a rod, a sleeve slidable on said rod; a lever attached by one arm to the sleeve; a drive shaft; a countershaft; driving connections between the drive shaft and countershaft; said driving connections being adapted to be alternately brought into action to drive the countershaft in opposite directions; means for bringing the driving connectons alternately into action comprising clutch devices associated respectively with each of the drive connections, and a wedge device reciprocated by said lever to bring the clutches into action; and means operable by the lever for locking the wedge in operative position.

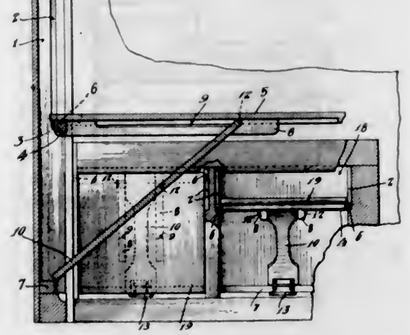
1,502,151. MOTOR-CYCLE SPRING FORK. FREDERICK WILLIAM MEREDITH, South Farnborough, England. Filed Aug. 21, 1923. Serial No. 658,525. 2 Claims. (Cl. 208—97.)

2. A spring fork mechanism for vehicles comprising, a steering post, a fork member, a lever member connecting the fork member to the post, a main spring connecting the lever member and the post and so arranged that the effective leverage at the point of connection on the lever member decreases as the tension of the spring increases, a restoring spring connecting the lever member



and fork member, said restoring spring being normally inoperative but operative when the main spring is under tension, the effective leverage at the point of connection of the restoring spring to the lever member increasing as the first mentioned effective leverage decreases.

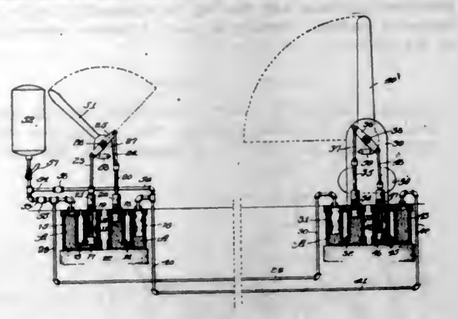
1,502,152. COLLAPSIBLE SUPPORT. JOHN I. MILLETT, Los Angeles, Calif., assignor of three-fourths to Carl J. Ike, Los Angeles, Calif. Filed Mar. 10, 1923. Serial No. 624,166. 4 Claims. (Cl. 45—51.)



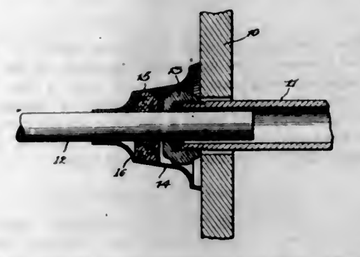
1. In a collapsible support, the combination of a cantalever member having projections extending from below its rear end, means forming slideways engaging said projections and permitting the rear of the cantalever member to slide upwardly during a collapsing movement, a brace, and means pivotally mounting the brace, said cantalever member having a groove arranged to engage the brace and support the member on the brace in a horizontal movement and to permit the brace to slide during the collapsing movement of the cantalever member so that such member may completely cover said brace.

1,502,153. REMOTE CONTROL DEVICE. FRANK W MILLS, Chicago, Ill. Filed Nov. 7, 1921. Serial No 513,616. 3 Claims. (Cl. 138—23.)

1. In combination, two pairs of cylinders, the cylinders of each pair being connected by a pipe line, a piston in each cylinder, gas in said lines, a liquid between said gas and said pistons and means for simultaneously moving the pistons of one pair in opposite directions to cause the other pistons of said pairs to be moved correspondingly.

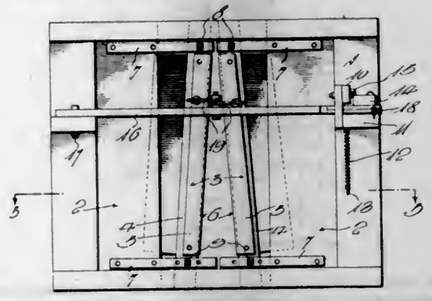


1,502,154. NOSLIP FLANGE. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed May 25, 1923. Serial No. 641,425. 8 Claims. (Cl. 137—111.)



1. A no-slip flange comprising a hollow escutcheon having a flaring base and a reduced tip, and a friction ring of cork inserted in the bore of said escutcheon under compression to frictionally lock it to the wall thereof and constrict its pipe engaging orifice.

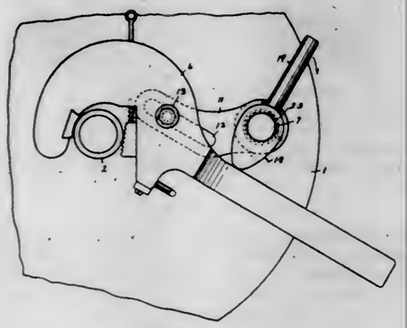
1,502,155. HOG TRAP. JOSEPH A. O'BRIEN, Brookston, Ind., assignor of one-half to James N. Kirkpatrick, La Fayette, Ind. Filed Dec. 9, 1921. Serial No. 521,236. 14 Claims. (Cl. 119—98.)



1. A device of the class described comprising a pair of animal engaging devices normally positioned in alinement and adapted to assume divergent relations when operative, a separate pivotally mounted rack bar, said bar being independently operable with respect to said devices, and means for rendering said bar operative, said means being controlled by said devices, being nor-

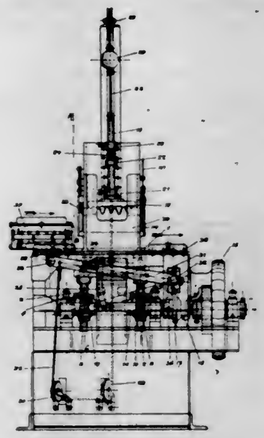
mally disconnected from said bar, but being engaged with the teeth thereof when the devices assume predetermined divergent positions and the bar is released to move to operative position, whereby to prevent further movement of the devices in one direction.

1,502,156. BACK-UP POST. LOUIS M. PEARCE and ROLLAND H. NEWTON, Houston, Tex. Filed Oct. 30, 1922. Serial No. 597,779. 3 Claims. (Cl. 255—35.)



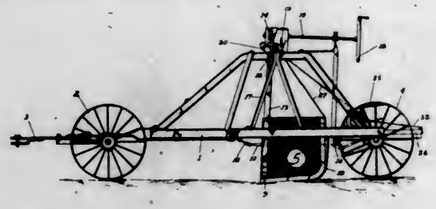
3. The combination with a rotary table, of a post mounted thereon, a swinging arm mounted on the post, a pipe engaging tong carried by said arm, a cam shaped head pivotally mounted on said post, a manipulating handle carried by said head, a yieldable member connected to the head and normally holding said head in position to engage against the handle of said tong.

1,502,157. MANUFACTURE OF MOLDED ARTICLES. EMILE VICTOR PRÉUSS, Kelles, near Brussels, Belgium. Filed June 26, 1922. Serial No. 571,045. 24 Claims. (Cl. 25—41.)



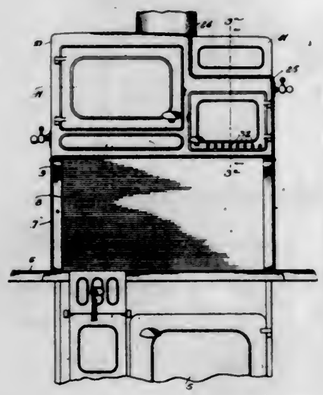
1. The herein-described process of manufacturing molded articles from material in a state of division in a mould, comprising the steps of supporting a rammer upon the surface of the material in the mould; and then imparting automatically to the support whereon the mould rests a succession of abrupt vertical movements, thereby to effect successively, after each such movement, the fall of the mould upon its support and the fall of the rammer upon the material.

1,502,158. LAND LEVELER. ALBERT PURVIANCE, Linden, Calif. Filed May 14, 1923. Serial No. 638,804 14 Claims. (Cl. 37—126.)



1. A land leveler comprising a wheel-supported frame, a bowl arranged in connection therewith and having a cutting blade at its lower forward end, means for raising and lowering the blade end of the bowl at will, means normally supporting the rear end of the bowl independently of the forward end and means whereby when the blade is moved into engagement with the ground the bowl may upset forwardly with the forward movement of the frame and means whereby the bowl may be then righted while still suspended and be lowered to the ground by gravity.

1,502,159. STOVE. MAURUS C. RECK, Rochester, N. Y., assignor to Sill Stove Works, Rochester, N. Y., a Corporation of New York. Filed Sept. 2, 1922. Serial No 585,869. 4 Claims. (Cl. 126—39.)



1. The combination with a cooking stove, of a standard extending upwardly thereabove, a baking oven carried by the standard at a substantial distance above the top of the stove, a broiling oven carried by the standard at one side and adjacent the bottom of said baking oven with its top located at a substantial distance below the top of said baking oven to provide on the top of said broiling oven a warming shelf within easy reach of the attendant, and gas burner means for each of said oven.

1,502,160. WINTER OR STORM CAP. SOL REINTHAL, Cleveland, Ohio, assignor to The Bamberger Reinthal Company, Cleveland, Ohio, a Corporation. Filed Aug. 3, 1922. Serial No. 579,321. 2 Claims. (Cl. 2—201.)

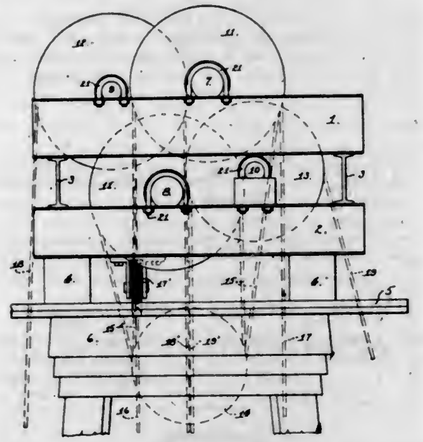
2. A convertible cap, comprising a knitted tube having rounded end edges and doubled back within itself with said end edges in register and sewed together and forming a crown seam extending from front to rear of said

cap, and a flat knitted tube of smaller dimensions and finer yarn than said first tube sewed at its opposite



extremities on lines parallel to the middle seam to opposite sides of said first tube a substantial distance back from the bottom folded edge thereof.

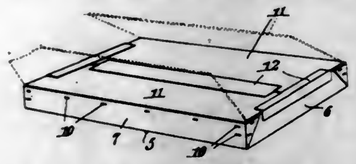
1,502,161. CROWN BLOCK FOR WELL-DRILLING APPARATUS. CHARLES C. SCHARPENBERG, Bakersfield, and LEROY G. GATES, Whittier, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Nov. 2, 1923. Serial No. 672,408. 4 Claims. (Cl. 254—100.)



1. A crown-block for well-drilling apparatus, comprising a supporting frame; a pair of substantially parallel shafts carried by said frame in different planes both horizontally and vertically; and a plurality of casing sheaves supported by and apportioned between said shafts, the sheaves of one shaft overlapping those of the other shaft.

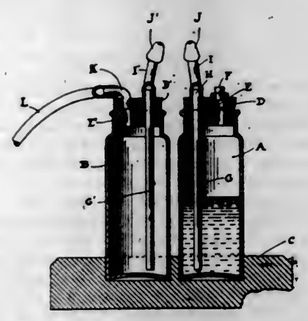
1,502,162. SHIPPING BOX. HARRY L. SHULMAN, New York, N. Y., assignor to Levy Shulman & Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1923. Serial No. 631,847. 1 Claim. (Cl. 229—43.)

In a device of the class described, a box tray having the usual upstanding side and end walls, a pair of supplemental cover members, a wall portion hingedly carried by each member, the said wall portions being of equal breadth and length with the side walls of the tray, means for securing the said wall portions to the said side walls of the tray, the said cover members adapted to overlap



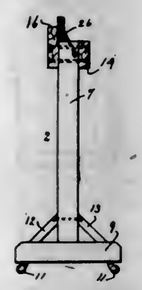
each other when lowered and to cover the tray, adhesive members connecting the free ends of the cover members and with the end walls of the tray, and a main cover to telescope over the said tray.

1,502,163. NASAL DOUCHE. WILLIAM P. SPRAGUE, San Anselmo, Calif. Filed Dec. 19, 1922. Serial No. 607,825. 10 Claims. (Cl. 128—250.)



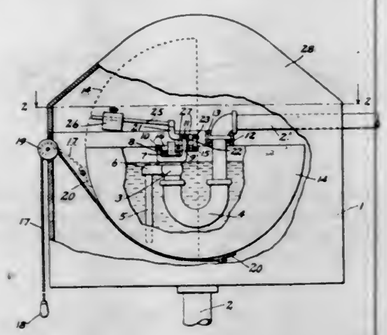
10. In a nasal douche of the class described, a pair of receptacles, a separate communication in each receptacle for connecting with a nostril of a patient's nose, a hollow, elastic bulb connected to one of the receptacles and a manually manipulated stopper controlled opening in the other receptacle.

1,502,164. BAG HOLDER. ALBERT J. STRAUB, Fresno, Calif. Filed Apr. 23, 1923. Serial No. 634,015. 4 Claims. (Cl. 211—2.)



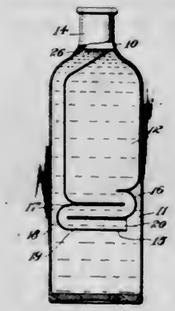
1. A rack for holding bags comprising a pair of spaced vertically extending end members, a bag supporting rail connecting the upper ends of said end members at the rear edges thereof; a bar connecting the upper ends of said end members opposite said bag supporting rail; a plurality of bag holding members mounted on the inner face of said bar adapted to engage and hold bags against said bag supporting rail.

1,502,165. FLUSHING APPARATUS. CHARLES LEWIS STURGES, Claremont, Calif. Filed June 17, 1922. Serial No. 569,153. 2 Claims. (Cl. 4—32.)



1. A flush tank comprising an outer box having a drain, an inlet pipe leading into the top of the box and extending downwardly, a return bend secured to the inlet pipe, a fitting extending upwardly from the return bend, a discharging pipe extending downwardly from the fitting, a vertically movable valve in the fitting and provided with upstanding arms, one arm being longer than the other, a lever pivoted to the short arm for operating the valve, a long pivot rod extending through the movable end of the lever, a secondary receptacle connected to the ends of the pivot rod and supported thereby, means for tilting the secondary receptacle to empty the receptacle, a link connected to the pivot rod, a second lever pivotally mounted upon the long arm and connected to the link, a rod extending from the second lever, and a weight adjustably mounted upon the rod so that when the secondary receptacle is empty the weight will open the valve and so that when the secondary receptacle is sufficiently filled the weight of the receptacle and water will counterbalance the adjustable weight and close the valve.

1,502,166. CONTAINER. AQUASIE E. WEITKAMP, New York, N. Y. Filed Feb. 12, 1921, Serial No. 444,368. Renewed May 20, 1924. 5 Claims. (Cl. 215—61.)



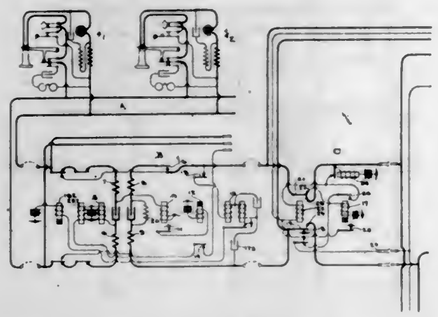
1. A vessel for dispensing units of fluid comprising a dispensing compartment, a containing compartment, and a communication between said dispensing and containing compartments serving normally to prevent access of liquid from said dispensing compartment into said containing compartment, said communication being adapted to permit the flow of a measured quantity of fluid from said containing compartment into said dispensing compartment for dispensing through said dispensing compartment.

1,502,167. LAMINATED SPRING. FREDERICK THOMAS WESTON, London, England. Filed Oct. 22, 1923. Serial No. 670,082. 10 Claims. (Cl. 267—49.)



1. An improved anti-friction device for laminated springs comprising two flexible perforated blades co-extensive with the leaves of the springs and fastened flat against each other with the perforations in register and anti-friction devices retained in and protruding through the said perforations forming a self-contained structure free to partake of the flexure of the springs, substantially as set forth.

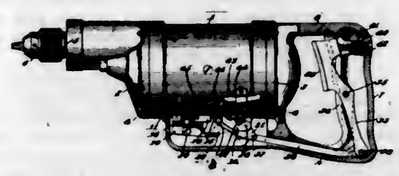
1,502,168. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1919. Serial No. 300,924. 50 Claims. (Cl. 179—17.)



1. In a telephone system, a subscriber's line, a repeater for said line, means for connecting with said line and for projecting ringing current thereover, and means responsive to said ringing current for disconnecting said repeater from the line.

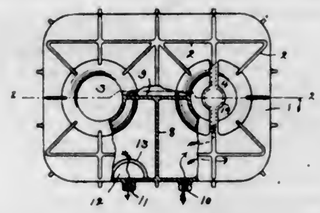
12. The combination of a ring back in a telephone system and an instantaneous ring cut off connector for extending connection to said ring back, and means associated with said ring back for transmitting signalling current from the ring back back through the connector to the calling line from which the connector has been operated to extend connection to the ring back, said connector including means for automatically signalling a called subscriber's line independent of said ring back.

1,502,169. ELECTRIC TOOL. CHARLES B. BENNETT, Louisville, Ky., assignor to James Clark, Jr. Electric Company, Louisville, Ky., a Corporation of Kentucky. Filed Nov. 5, 1921. Serial No. 513,037. 10 Claims. (Cl. 172—36.)



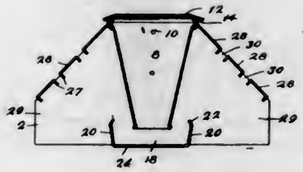
1. An electric tool comprising a motor casing, a tool spindle projecting at one end of the casing, a removable handle for the casing, an electric switch for starting and stopping the motor and mounted upoh the motor casing, and located in front of the handle, and a hand-operated switch-actuating means carried by the removable handle and detachably associated with the switch.

1,502,170. WATER-HEATING GAS PLATE. JOHN ALBIN BERGQUIST, Duluth, Minn. Filed Sept. 22, 1923. Serial No. 664,161. 2 Claims. (Cl. 126—53.)



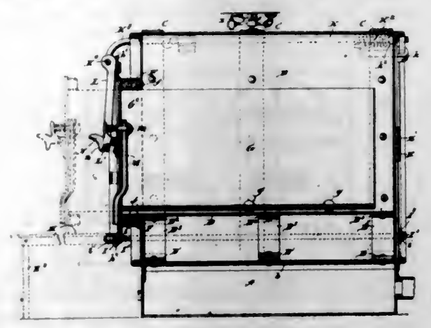
1. The combination with a gas plate of the character described having two spaced burner holes therein, of a water chamber within the plate about the holes, a vertical division wall within the chamber extending horizontally between the holes, a second division wall extending from the center of the last mentioned division wall to one side of the plate, and water entrance and discharge openings through the outer wall of the plate one upon either side of the last mentioned division wall, substantially as and for the purpose described.

1,502,171. POULTRY FEEDER. JESSE BOOTH, Blythedale, Mo. Filed Aug. 21, 1922. Serial No. 583,116. 2 Claims. (Cl. 119—52.)



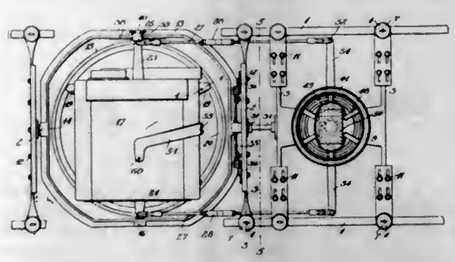
1. A self-feeder consisting of two end plates having sloping sides and upper and lower flanges, a lid slidable on said flanges, a hopper arranged beneath said lid and fixed to the end plates, a trough beneath said hopper and provided with end flanges engaging over the lower flanges on the end plates, and spaced guards secured to the sloping sides of the end plates.

1,502,172. STEAM COOKING APPARATUS. JAMES L. CARBERY, Rock Hill, S. C. Filed Jan. 2, 1918. Serial No. 209,922. 14 Claims. (Cl. 126—20.)



1. A steam cooker comprising a sheet metal casing, reinforcing bands extending across the top and sides of the casing at the exterior thereof, and brace members located interiorly of the casing and connected at opposite ends with said reinforcing bands and opposite sides of the casing.

1,502,173. AERIAL CAMERA. BENJAMIN DAY CHAMBERLIN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 16, 1922. Serial No. 537,099. 13 Claims. (Cl. 95—12.5.)



1. In an aerial photographic apparatus, the combination with a horizontal frame and a universally movable camera mounted therein with the axis of its lens vertically disposed, said camera being adapted to rock in two vertical planes normal to each other, of a vertically disposed controlling device therefor similarly mounted in the frame and connections between the controlling device and camera for communicating the movements of the former to the latter.

1,502,174. FUMIGANT. ROYAL NORTON CHAPMAN, St. Paul, Minn. Filed Dec. 15, 1923. Serial No. 681,009. 2 Claims. (Cl. 167—6.)

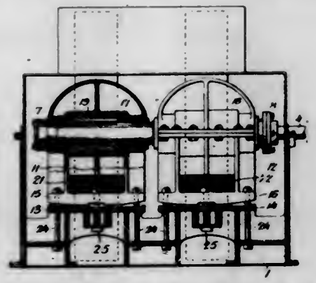
1. A fumigant comprising carbontetrachloride and chloropicrin.

2. A fumigant comprising carbontetrachloride and chloropicrin in equal parts by volume.

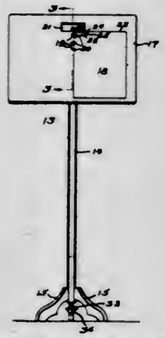
1,502,175. HIGH-SPEED REDUCTION GEARING. CHARLES F. CLAPHAM, Newport News, Va. Filed Nov. 9, 1920. Serial No. 422,802. 6 Claims. (Cl. 74—7.)

1. In transmission gearing, the combination of a rigid frame having bearings, a shaft with gear wheels adapted to rotate in the bearings, movable frames adapted to rock on the rigid frame, bolts adapted to prevent

lateral displacement of the movable frames, bolts adapted to resiliently restrain movement of the lateral frame, bearings on each movable frame, hollow pinions meshing with the gear wheel and mounted in the bearings of the movable frames, and the shaft extending through the pinions and connected thereto.

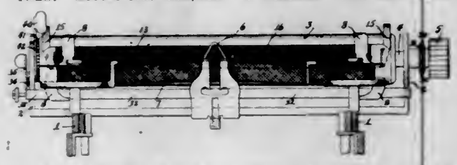


1,502,176. SHEET-TURNING DEVICE. JOHN D. CONTI, Philadelphia, Pa. Filed Feb. 23, 1921. Serial No. 447,026. 8 Claims. (Cl. 84—517.)



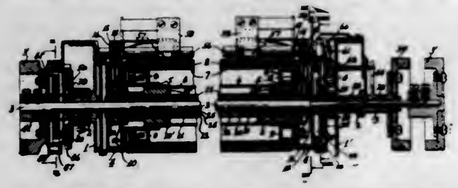
1. A sheet turning device including a desk; a shaft mounted on the desk; an auxiliary arm pivotally mounted on the shaft; a carrier pivotally connected with the auxiliary arm and having abutting and supporting blades adapted to engage a sheet; a swingable arm carried by the shaft and engaging with the carrier, and means for imparting longitudinal and rotary movement to the shaft to cause the blades to engage and turn a sheet.

1,502,177. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. MALCOLM L. COSSITT, Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Aug. 21, 1923. Serial No. 658,640. 7 Claims. (Cl. 197—126.)



1. A manifolding attachment for typewriters comprising a rotatable member mounted on the machine; a plurality of independently movable pairs of spaced arms; a manifolding member carried by each pair of arms and adapted by the movement of said arms to be placed in and removed from functional position in the line of type impact; an arm-operating member fitted upon said rotatable member for rotation therewith and for linear movement thereon; means for controlling the linear movement of said arm-operating member; and coacting devices on said arm-operating member and said arms for independently selectively moving each pair of arms about their pivotal centers by the rotation of the rotatable member, consisting of lugs of graduated length on the arms, an independently controllable pawl carried by said arm-operating member, and a cam on said member to selectively determine the contact of said pawl with said length-gradnated arm-lugs.

1,502,178. MANIFOLDING PLATEN FOR TYPEWRITERS. MALCOLM L. COSSITT, Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Sept. 26, 1923. Serial No. 664,814. 17 Claims. (Cl. 197—126.)



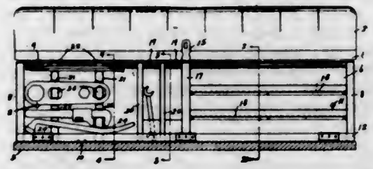
1. A manifolding platen comprising a rotatable platen member; a connected pair of peripherally slotted housings one at each end of and independent of the platen member; an arm pivotally connected to and within each of said housings and thence extending through and adapted to play in the slotted periphery thereof; a manifolding member carried by and between the outer extremities of said pair of arms and adapted by their movement to be placed in and removed from functional position in the line of type impact; and means for linearly shifting said pair of housings to reciprocate the manifolding members lengthwise of the line of type impact.

1,502,179. APPARATUS FOR AND METHOD OF CEMENTING OIL-WELL CASINGS. ERD V. CROWELL, Tulsa, Okla. Filed June 15, 1920. Serial No. 389,151. 4 Claims. (Cl. 166—1.)



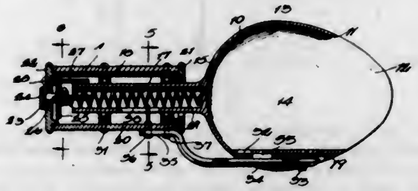
1. Means for sealing a well before opening the bore into a productive stratum, comprising a well casing adapted to rest on the formation seat of the bore, with a plurality of valved ports; and tubing let down in the casing, with packing means for securing a joint therebetween and the casing, having perforations through which sealing material is ejected to fill the casing up to the packing means, and then escape through said ports to fill the surrounding bore.

1,502,180. TOOL HOLDER FOR AUTOMOBILES. WALTER H. DEVER, Jr., Houston, Tex. Filed June 4, 1923. Serial No. 643,296. 3 Claims. (Cl. 224—295.)



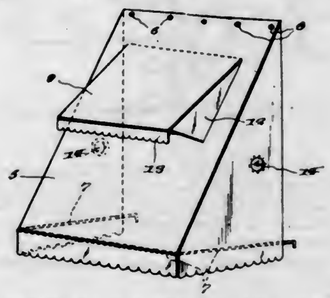
1. A tool holder formed with a back, a top, and bottom and end walls, a retaining strip across the front of the holder at the bottom, front wall hinged to said strip at its lower edge, and forming a door, means for locking said door in closed position, shelves in said holder spaced apart, one above the other, and whose forward edges are upturned, said door resting against said upturned edges when it is in closed position.

1,502,181. SELF-WEIGHING SCOOP. HARRY FINE, Hartford, Conn. Filed Aug. 20, 1923. Serial No. 658,438. 3 Claims. (Cl. 265—66.)



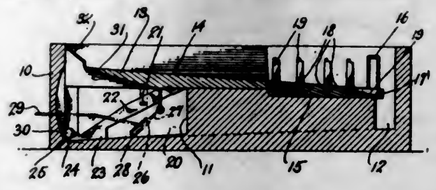
1. In a self-weighing scoop, a scoop body for receiving the material to be dispensed, a hollow shank formed on the scoop body, a hollow handle for slidably receiving the shank, an expansion spring engaging the scoop body at one end and the handle at its opposite end, the shank having a scale plate for cooperation with the inner end of the handle, and an escape opening formed in the body portion of the scoop, and a gate carried by the handle for closing said opening when the desired amount of material has been placed in said scoop body.

1,502,182. AWNING. ROLLAND FORREST, Philadelphia, Pa. Filed Dec. 1, 1922. Serial No. 604,339. 2 Claims. (Cl. 156—15.)



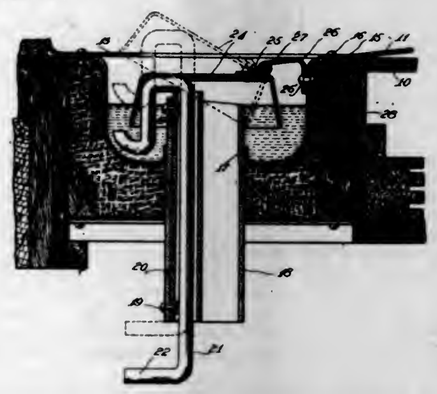
1. An awning having a main roof and triangular side walls, said main roof being provided with an opening, a supplemental awning overhanging said opening and having side walls and a roof, said last-named walls terminating below the opening and secured at their inner edges to said main roof, and a metallic loop having an outer side engaged with the lower edge of the roof of the supplemental awning and having an inner side connected to the lower wall of the opening, said loop comprising end members connecting said side members and having their inner portions bent and extended upwardly and secured flatly in engagement with said main roof whereby said supplemental awning is held in position over said opening.

1,502,183. GAME. EDWARD E. FRANCE, Racine, Wis. Filed Nov. 5, 1923. Serial No. 672,937. 5 Claims. (Cl. 46—61.)



1. A game device of the character described comprising a box like casing having the bottom inclined downwardly toward its forward end, an alley member mounted in the top of the casing and inclined in the opposite direction, a table mounted within the other end of the casing and carrying a plurality of pivotally mounted pins, and a lever actuated treadle device mounted at the forward end of the casing for lifting a ball up onto the alley member.

1,502,184. DRAIN TRAP. WILLIAM R. GILLIES, Chicago, Ill., assignor to The Equipment Specialties Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 6, 1923. Serial No. 655,922. 4 Claims. (Cl. 182—8.)

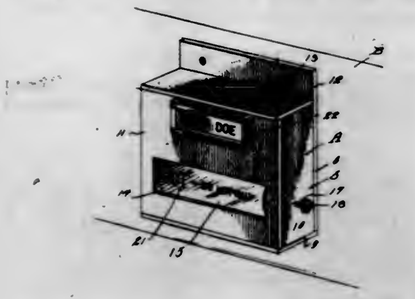


1. In a drain trap, a bowl, a drain pipe, a hingedly mounted drain pipe cap and a combined agitator and lifter extending through said drain pipe, said combined agitator and lifter being capable of longitudinal movement to lift said cap and being capable of rotary movement to agitate solid and semi-solid matter accumulated in said bowl.

1,502,185. VISITOR'S INFORMATION BUREAU. HAROLD GRAY, Newark, N. J. Filed July 18, 1923. Serial No. 652,419. 1 Claim. (Cl. 40—68.)

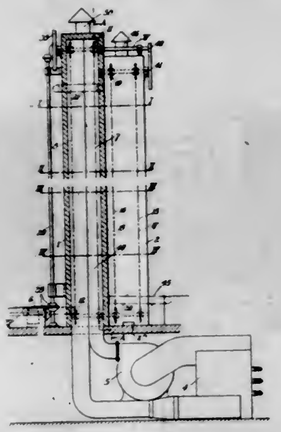
As a new article of manufacture, a silent visitor's information bureau comprising a casing including front and rear walls, top and bottom walls, and end walls, the rear wall being extended above the top wall defining an attaching flange, fastening elements extending through the attaching flange for engaging a supporting device, the front wall having a sight slot therein, a shaft extending horizontally through the casing jour-

nailed in the side walls, an operating handle carried by one end of the shaft, a roller secured to the shaft and arranged directly in rear of the sight slot, a strip bear-



ing different indicia carried by the periphery of the roller, a name plate holder secured to the outer surface of the front wall above the slot, and a name plate in said holder.

1,502,186. APPARATUS FOR BAKING OR DRYING SUBSTANCES AT HIGH TEMPERATURES AND FOR SUBSEQUENTLY COOLING SAME. ROWLAND GREENWOOD, Carlisle, England, assignor of one-half to Carr & Company Limited, Carlisle, England, a British Company. Filed Dec. 6, 1921. Serial No. 520,377. 26 Claims. (Cl. 197—57.)

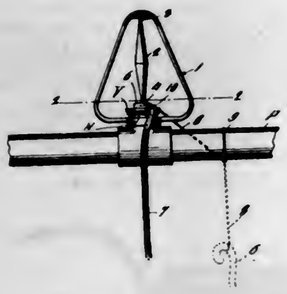


2. A baking apparatus comprising an oven, an air heater, a plurality of inlets for heated air in said oven, means rendering said inlets independently controllable, means for conveying substances upwards through said oven, a cooling tower, means for automatically transferring baked substances from the oven to said cooling tower, and means in the base of said tower for introducing cooling air.

11. A baking apparatus comprising an oven, an air heater, air inlet trunks and air exhaust trunks to said oven, communications between all of said trunks and the air heater, a plurality of openings in said inlet trunks, independently operable baffles controlling said openings, conveying means maintaining continuous movement within said oven of the substances being baked, a plurality of deflectors disposed adjacent each hot air inlet, independently operable means controlling each set of deflectors, a cooling chamber, conveying means maintaining continuous movement therethrough of substances baked in said oven, and means for causing a continuous movement of cooling air through said chamber.

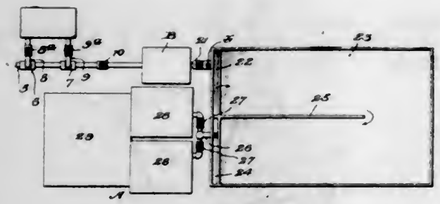
21. A baking apparatus comprising an oven, a casing connected to said oven, a plurality of heated conduits disposed within said casing, a plurality of heat distributing devices projecting from the top of each conduit, means causing air to be heated to pass across the tops of said conduits, means for causing a continuous circulation of air through said oven and casing, a cooling tower adjacent said oven and means causing substances under treatment to ascend through said oven and to descend through said cooling tower.

1,502,187. SPRINKLER HEAD. JOHN W. GRONROS, Bronx, N. Y. Filed Mar. 31, 1920. Serial No. 370,112. 4 Claims. (Cl. 169—38.)



1. The combination with a fusible locking element; of a slow burning element associated with said lock with a readily inflammable member connected with said element, and a non-fusible member fastened to said slow burning element to provide for the removal of said element when necessary.

1,502,188. PROCESS FOR SOFTENING WATER. FRANK E. HARTMAN and HARRY BEXTON HARTMAN, Scottdale, Pa., assignors to Electric Water Sterilizer & Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1922. Serial No. 545,508. 1 Claim. (Cl. 204—25.)

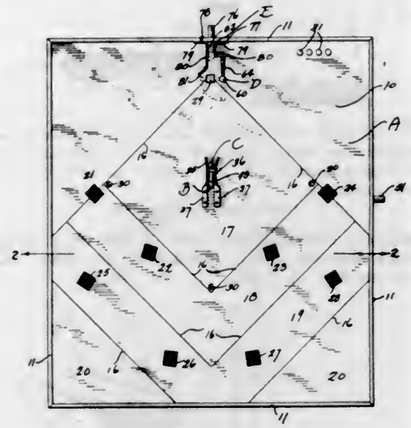


A process for aiding the chemical softening of water, which consists in injecting a softening reagent under pressure into the feed line, next predisposing the water under pressure to rapid reaction by electrolysis, and subsequently conducting the chemically and electrically treated water through a relatively capacious sedimentation basin.

1,502,189. GAME APPARATUS. ALBERT E. HATCH, Wakonda, S. Dak. Filed June 2, 1921. Serial No. 474,474. 3 Claims. (Cl. 46—61.)

1. A game apparatus, comprising in combination a playing support simulating a base ball field, a ball, mechanical means for pitching said ball, mechanical batting means, and catching means mounted to the rear

of the abutment means and including vibratory gripping arms extending towards the batting means in spaced relation to each other and adapted to be vibrated

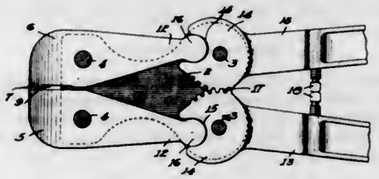


towards and away from each other through being struck by the batting means whereby the ball may be buffeted between said arms when caught.

1,502,190. INSECTICIDE. WALTER HEERDT, Frankfort-on-the-Main, Germany. Filed June 9, 1923. Serial No. 644,519. 4 Claims. (Cl. 23—11.)

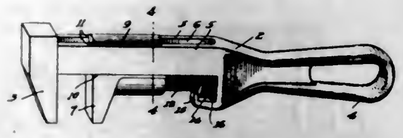
1. A composition of matter for use as insecticide consisting of a porous body and fluid hydrocyanic acid filling the pores of said body.

1,502,191. METAL-PRESSING TOOL. JOHN HELWIG, St. Paul, Minn. Filed Mar. 23, 1916, Serial No. 86,167. Renewed Nov. 18, 1921. Serial No. 516,244. 3 Claims. (Cl. 81—15.)



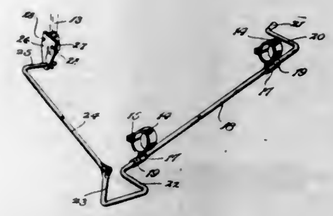
1. A tool of the class described comprising a head composed of plates and bolts passing therethrough for holding said plates in parallel relation, spaced from each other, a pair of levers mounted on a corresponding number of said bolts at the outer ends of said plates, the outer ends of said levers projecting beyond the corresponding ends of said plates and laterally turned with respect thereto, one of said projecting ends having a socket therein and a male die fitting within said socket and provided with a rounded outer end, the projecting end of the other lever having a concave depression therein to register with the rounded end of said male die and form a female die therefor, said projecting ends being adapted to clamp the interlocking edges of sheet metal together and form a boss on one side thereof and a corresponding depression on the other side for securing said edges together, and operating levers having hand grips mounted on bolts at the other end of said plates for simultaneous movement and having means for engaging and actuating said first named levers.

1,502,192. WRENCH AND PROCESS OF MANUFACTURING THE SAME. JOHN HELWIG, St. Paul, Minn. Filed Mar. 1, 1917, Serial No. 151,670. Renewed Oct. 20, 1921. Serial No. 509,202. 4 Claims. (Cl. 76—114.)



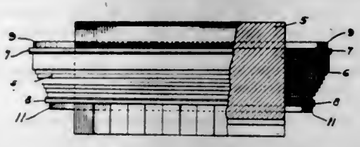
1. A process of manufacturing a monkey wrench which consists in first forming a longitudinal opening in the wrench shank, bowing the side bars of the shank outwardly to widen said opening and then inserting the web and head of the movable jaw into said opening and finally pressing said side bars toward one another to form guides for said head and web thereon.

1,502,193. HEADLIGHT-SWITCH-OPERATING DEVICE FOR MOTOR VEHICLES. WILLIAM C. HERSHEY and REX J. HANCHETTE, McAlester, Okla. Filed Sept. 11, 1922. Serial No. 587,630. 2 Claims. (Cl. 74—39.)



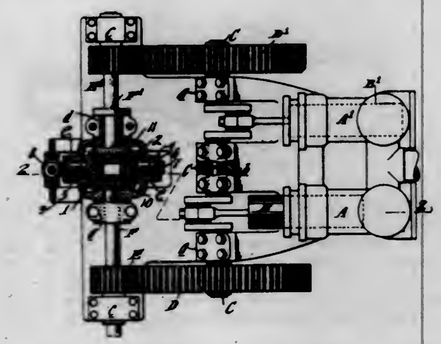
1. The combination with a motor vehicle including a steering post, instrument board and headlight switch, of a manually operable switch operating rod rotatably mounted on the steering post and having its lower end offset and terminating in an upstanding arm, a clamp engaging the headlight switch lever, and a pitman rod lying behind the plane of the lower edge of the instrument board and having one end thereof pivotally connected to the upstanding arm of the operating rod and its other end provided with a laterally directed terminal pivotally connected with the lower end of said clamp.

1,502,194. COIL SUPPORT. CHARLES TRUMAN HIBBARD, Minneapolis, Minn., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 2, 1922. Serial No. 591,853. 4 Claims. (Cl. 171—252.)



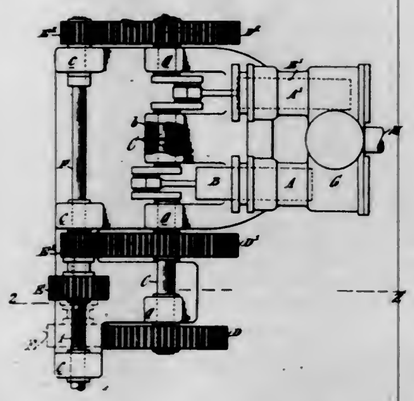
2. A pole body having apertures in its upper and lower portions substantially U-shaped coil supports having ends fitting snugly into said apertures, and a field coil supported between said coil supports.

1,502,195. PUMP. GEORGE C. HICKS, Jr., St. Louis, Mo., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 7, 1922. Serial No. 566,486. 8 Claims. (Cl. 103—37.)



1. A variable capacity pump, comprising a plurality of plungers, a plunger chamber common to said plungers, a plurality of longitudinally alined plunger driving shafts, a power shaft and separate driving connections between said power shaft and each of said plunger shafts, and means for changing the timed relation of the plunger strokes.

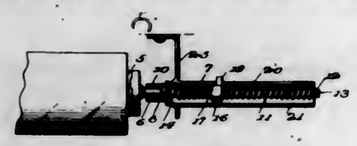
1,502,196. PUMP. GEORGE C. HICKS, Jr., St. Louis, Mo., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 7, 1922. Serial No. 566,487. 5 Claims. (Cl. 103—37.)



1. A variable capacity pump, comprising a plurality of plungers, a plunger chamber common to said plungers, a plunger-actuating shaft divided into a plurality of parts, a power shaft, driving connections between said power shaft and each of said plunger-actuating shaft parts, and means for throwing one of said driving connections out of operation to permit the relative timing of the plunger strokes to be varied.

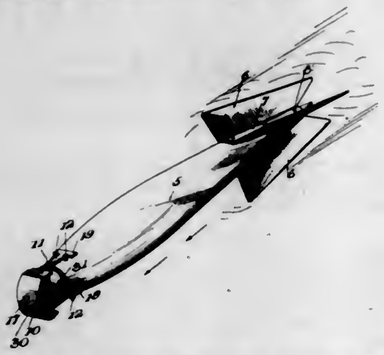
1,502,197. SHADE, CURTAIN, OR AWNING ROLLER STOP. GEORGE D. HILL, Norfolk, Va. Filed Apr. 17, 1922. Serial No. 553,657. 12 Claims. (Cl. 156—29.)

1. The combination with a roller having a socket, of a spindle received in said socket, a convolute spring secured on said spindle and having one end free and formed with a return bend, a collar mounted on said spring having lugs engaging the convolutions of the convolute spring, and a housing arranged in said roller



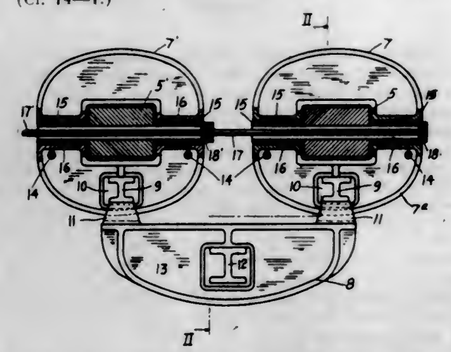
and receiving said spindle and said convolute body, said housing being provided with a longitudinal slot receiving a portion of said collar to hold the collar against turning.

1,502,198. DETONATING TOY. HARRY WALLACE HILL, West Hanover, Mass. Filed Dec. 26, 1923. Serial No. 682,814. 3 Claims. (Cl. 46—46.)



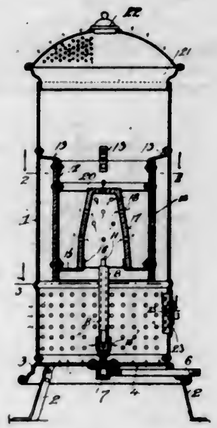
1. A toy of the character specified comprising a body having its forward end provided with pairs of oppositely projecting pins, a head having attaching arms recessed along their edges to receive said pins, the ends of the recesses in said arms constituting shoulders to limit the sliding movement of the arms, a weight positioned in said head, said head being formed from a single blank of metal having portions bent into parallel relation to define side walls engaging the sides of said weight.

1,502,199. FLOATING FRAME. FRANCIS HODGKINSON, Edgewood, Pa., assignor to Westinghouse Gear & Dynamometer Company, a Corporation of Pennsylvania. Filed July 19, 1919. Serial No. 311,971. 13 Claims. (Cl. 74—7.)



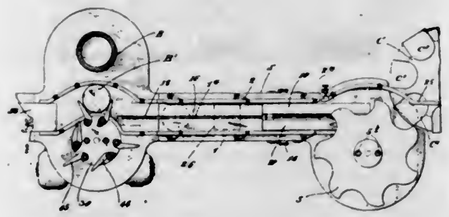
11. In gearing of the character described, coacting gears, each of said gears including a pair of sections having gear teeth, the gear teeth of the sections of one of said gears meshing with the gear teeth of the other of said gears, the separate sections of one of said gears being hollow and flexibly connected, a separate bearing for each of said hollow sections, a rocking frame carrying each of said bearings, and separate means for resiliently resisting rocking movement of each of said frames.

1,502,200. GAS STOVE. WILLIAM T. HOWLETT and HENRY O. SMITH, New York, N. Y. Filed Jan. 14, 1922. Serial No. 529,127. 2 Claims. (Cl. 126—85.)



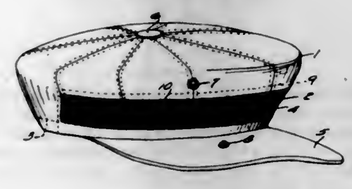
1. In a gas heater, an outer shell having a perforated lower area and an unperforated upper area, a perforated bottom for said outer shell, an inner shell supported from said outer shell in spaced relation therefrom, said inner shell extending from said perforated area and terminating in said unperforated area to thereby provide a free air inlet area below said inner shell and a large heat mixing chamber above said inner shell, a radiator supported in spaced relation within the inner shell, and a burner extending into said radiator.

1,502,201. PACKAGE-TRANSFERRING MACHINE. MAX JAEGER, Long Island City, N. Y., assignor to Anchor Cap & Closure Corporation, New York, N. Y., a Corporation of New York. Filed May 26, 1920. Serial No. 384,305. 18 Claims. (Cl. 198—22.)



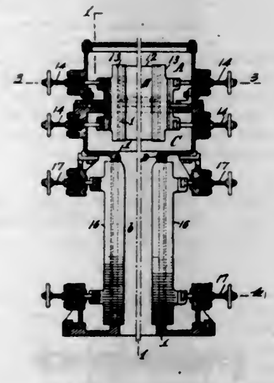
1. In a machine of the class described, the combination of an accelerating device effective upon successive packages to move them progressively at accelerating speed, spacing means cooperating with the accelerating device for placing the packages at definite space intervals and effective to move them in a substantially straight line at a constant speed, and positioning mechanism operable to take successive packages from the spacing means while in motion and move them severally at a constant speed to a definite position of rest.

1,502,202. CAP. ABRAHAM JOSEPHS, New York, N. Y., assignor to The Crofut & Knapp Company, New York, N. Y. Filed Jan. 15, 1924. Serial No. 686,259. 1 Claim. (Cl. 2—176.)



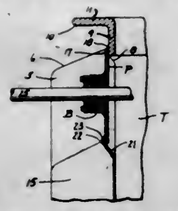
A ventilated cap comprising a circumferential supporting tape, a plurality of sectors secured thereto, a peak, a plurality of radial tapes located at the edges of said sectors and extending to and connected with the said supporting tape, certain of the sectors at the forward part of the cap being of less length than the rear sectors, and having a tape supporting their lower ends and attached to the radial tapes, and openwork fabric ventilating material mounted upon and supported by said tapes and filling the space between the short sectors and the rim of the cap, said space extending on either side beyond the outer edges of the peak of the cap so that when the forward part of the cap is held down upon the peak, the sides of the ventilating fabric are still exposed to provide ventilation within the cap.

1,502,203. EJECTOR AND NOZZLE THEREFOR. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 1, 1923. Serial No. 622,027. 12 Claims. (Cl. 230—13.)



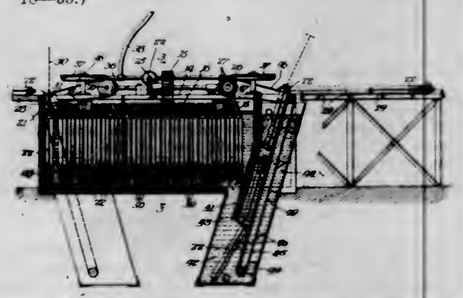
2. An ejector having an operating fluid nozzle and a diffuser or combining tube, each formed with at least two opposite sides parallel to each other in cross-section, the expansion or contraction of the operating fluid nozzle and combining tube being in the same planes, and means for adjusting the length of the space between the two parallel opposite sides of the operating fluid nozzle to vary its capacity.

1,502,204. TANK FOR TRANSFORMERS AND THE LIKE. LEWIS G. MCCLINTOCK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Sept. 26, 1923. Serial No. 664,948. 6 Claims. (Cl. 220—85.)



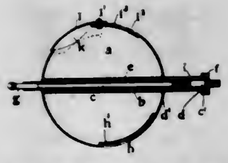
1. The combination in a tank for transformers and the like, of a sheet steel tank body formed with corrugations having a portion cut away, a plate steel member fitted in said cut away portion and welded to the adjacent edges of the tank body, and a pipe connection carried by said plate.

1,502,205. VULCANIZING PROCESS AND APPARATUS. LEE R. MCGUIRE, Chicago, Ill., assignor to Morgan & Wright, a Corporation of Michigan. Filed May 27, 1922. Serial No. 564,004. 38 Claims. (Cl. 18—53.)



10. The vulcanizing process comprising the steps of subjecting the mold having an article of raw material therein to a liquid which solidifies at ordinary temperatures but which melts at a temperature below that employed for vulcanization, permitting the mold to remain in such liquid at a vulcanizing temperature for a sufficient period of time to produce vulcanization, and transferring the mold from said vulcanizing liquid to a cooling liquid having a boiling point below the vulcanizing temperature employed so that when said mold enters said liquid the boiling of the liquid will be produced to clear the mold of the material used for heating the same during vulcanization.

1,502,206. MATCH HOLDER AND BOX. DOWNES ELAND NORTON, Hampton Hill, London, England. Filed May 28, 1921. Serial No. 473,390. 6 Claims. (Cl. 206—33.)



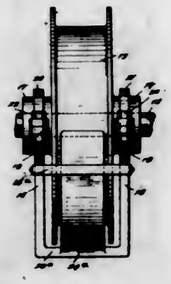
1. A match box, means upon said match box for the reception of a match holder in position transversely through the box, and in combination a match holder and means respectively upon the match holder and the match box by which the match holder may be secured in its position therein, substantially as described.

1,502,207. PROCESS FOR PREPARING CONFECTIONS COATED WITH FONDANT. HOWARD S. PAINE, Chevy Chase, Md., and JOHN HAMILTON, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Mar. 4, 1924. Serial No. 696,886. 8 Claims. (Cl. 99—16.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

4. A procedure for preparing a fondant-coated confection, wherein invertase is added to the fondant coating and the confection is warmed to a temperature of 80° to 120° F., with addition of water vapor to increase the humidity of the atmosphere during heating.

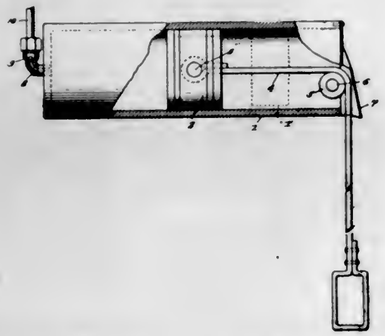
5. A confection with a center and fondant coating, both of which contain invertase.

1,502,208. CABLE GUARD FOR GROOVED PULLEYS. MICHAEL PASTORE, Bridgeport, Conn. Filed Oct. 3, 1923. Serial No. 666,278. 2 Claims. (Cl. 254—190.)



1. In combination with a grooved pulley, a guard device comprising a pair of side arms at each side of the pulley and adapted to extend vertically downwardly, split eyes loosely engaging the axis of the pulley whereby said arms are adapted to hang free, each split eye including a semi-circular portion integral with an arm and a semi-circular portion secured to the portion first mentioned by means of a bolt, a transverse portion extending between the lower ends of and connecting the arms, and an integral arcuate portion upon said transverse portion extending into the groove of the pulley and projecting at each side from said transverse portion, the arcuate portion with transverse portion enveloping the pulley for approximately one-half of its circumference.

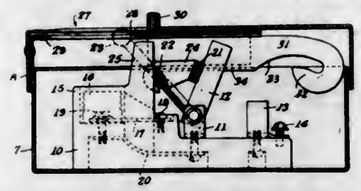
1,502,209. SHOCK ABSORBER. WALTER S. PETERSON, Denver, Colo. Filed May 25, 1922. Serial No. 563,682. 4 Claims. (Cl. 267—65.)



1. A shock absorbing device for automobiles comprising a cylinder closed at one end and open to the atmosphere at the other, a piston therein, means extending out of the open end for connecting the piston to the running

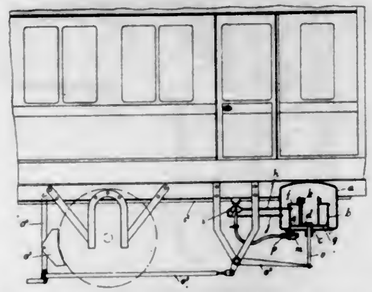
gear, and means including an outwardly opening check valve for connecting the closed end of the cylinder with an air exhausting means associated with the power plant of the vehicle.

1,502,210. INCLOSED ELECTRIC SWITCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed Feb. 3, 1923. Serial No. 616,656. 10 Claims. (Cl. 200—50.)



1. In an inclosed switch, a box having an opening, a shutter for said opening, a switch mounted in said box including fuse plug sockets accessible through said opening and movable blades in the other end of said box, an operating member for said blades and an interlocking bar carried by said shutter having a hook engaging said operating member to prevent the operation of said shutter except the switch is fully open and having a portion for engaging said member to prevent movement of said operating member except said shutter is closed.

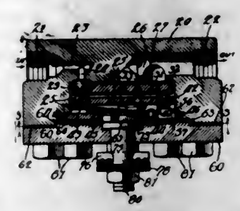
1,502,211. FLUID-PRESSURE BRAKING APPARATUS. EDWARD CECIL POULTNEY, Llandudno, Wales. Filed Dec. 28, 1921. Serial No. 525,405. 8 Claims. (Cl. 303—23.)



1. Fluid pressure braking apparatus for railway trains, comprising a brake cylinder on each vehicle, differential compartments within the said cylinder and corresponding piston faces acted upon by pressure admitted to the cylinder, mechanical connections from the pistons to the brake blocks, and means for admitting fluid pressure to the different compartments of the brake cylinder to apply at will a selected resultant braking pressure to the brake blocks of any vehicle of the train.

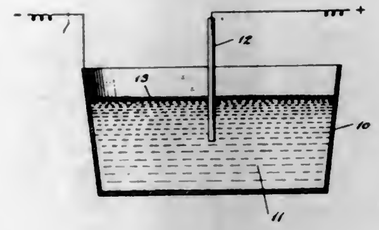
1,502,212. PRESSURE-REDUCING VALVE. WALTER W. ROBINSON, Beloit, Wis., assignor of one-half to Benjamin F. Lyons, Beloit, Wis. Filed July 18, 1921. Serial No. 485,783. 5 Claims. (Cl. 50—25.)

1. In a pressure-reducing valve, the combination of an integral casing part having a main inner chamber in the form of a recess from one side of the casing part, there being an inlet port and an outlet port in communication with said chamber, a removable closure for the main chamber, a valve for opening and closing the passage-way, from the inlet port to said chamber, spring means arranged to operate in a direction against the pressure from said inlet port for normally maintaining said valve closed against the pressure from said inlet port, a diaphragm between said casing part and said closure, spring means for forcing the diaphragm inwardly against the low pressure normally within said chamber, and operative connections including a pair of levers providing a compound movement



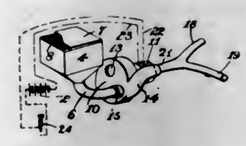
between said diaphragm and said valve for opening the valve a relatively great amount against its spring pressure in response to spring pressure moving the diaphragm a relatively small amount.

1,502,213. ELECTROLYTIC PROCESS FOR THE PRODUCTION OF SULPHIDES. RICHARD RODRIAN, New York, N. Y., assignor to Rodrian Electro-Metallurgical Co., Incorporated, New York, N. Y., a Corporation of Delaware. Filed Apr. 26, 1922. Serial No. 556,720. 6 Claims. (Cl. 204—9.)



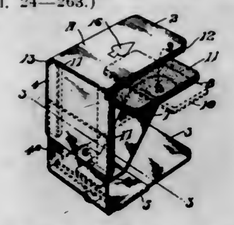
1. The process of producing sulphides, which consists in passing an electric current through a solution of a hydrate of an alkali or through a solution of a hydrate of an alkaline earth, spreading comminuted sulfur on top of said solution, and continuing the passage of such current until the sulfur forms a sulphide.

1,502,214. SAND BLOWER FOR AUTOMOBILES. REIDAR T. SHERWIN, New York, N. Y. Filed Nov. 26, 1923. Serial No. 676,964. 1 Claim. (Cl. 291—3.)



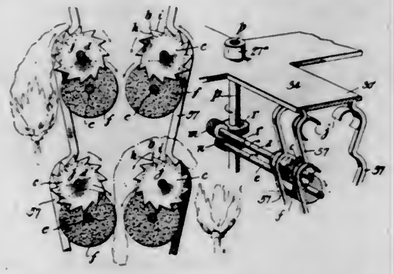
A sanding device for vehicles comprising a sand receptacle, a substantially drum shaped blower casing having its lower part below the level of the receptacle bottom and provided with an air inlet, a blade rotatable in the casing, means for operating the fan, a peripheral delivery extension on said casing extending outwardly and upwardly therefrom and provided with a lateral tubular terminal portion, a delivery pipe leading from the bottom of the receptacle to the casing and opening through a side wall thereof adjacent the lower end of the peripheral extension, and a tubular means extending from the tubular terminal to deliver sand to desired points, the blade fan having its blades arranged to intersect the path of sand flowing into the casing from the receptacle.

1,502,215. CLAMP. MARTIN A. SOHST, San Francisco, Calif. Filed Nov. 1, 1922. Serial No. 598,241. 3 Claims. (Cl. 24—263.)



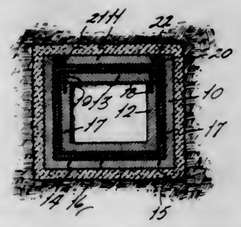
1. In a clamp of the character described, an upper and a lower leg, means permitting vertical adjustment of said legs, a right-angular extension on each leg, a clip slidably mounted on the extension of the lower leg, a leaf-spring secured to said clip, a clamping plate carried by said leaf-spring and resiliently supported thereby, said clamping plate cooperating with the right-angular extension of the upper leg to form a clamp, and means permitting turning movement of the clamping plate with relation to the leaf-spring.

1,502,216. MACHINE FOR PICKING COTTON. WILMER THREADGILL, Laredo, Tex. Filed June 11, 1920. Serial No. 388,279. 15 Claims. (Cl. 56—44.)



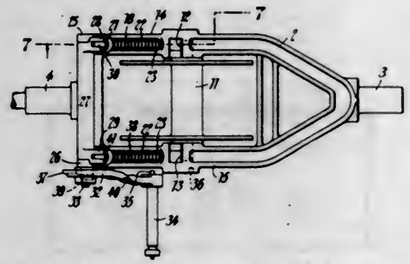
7. In a cotton-picking machine, a pair of laterally spaced rotary picker elements, and a pair of cylinders positioned on opposite sides of each picker element and having their ends which face said elements provided with doffing means, the respective pairs of cylinders being parallel and rotatable in opposite directions to receive therebetween and convey the material doffed from the picker elements, said cylinders rotating in the same direction as and at a higher speed than the picker elements.

1,502,217. BURIAL VAULT. ARMSTEAD E. TRIPLETT, Dallas, Tex. Filed June 29, 1923. Serial No. 648,467. 3 Claims. (Cl. 72—7.)



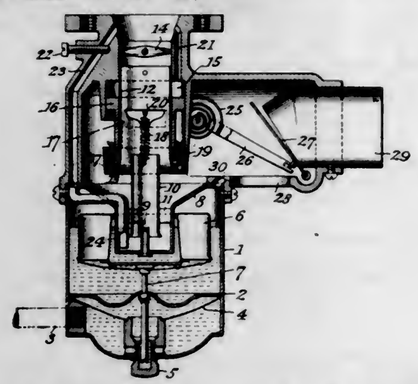
1. A burial vault composed of an outer container, an inner concentric container, a core wall between the containers poured in a liquid state, and space blocks between the containers composed of material fusing with the core material when the latter congeals, the core wall and block being formed into an integral and continuous core impervious to moisture.

1,502,218. LOCKING DEVICE FOR SPOOLS. CHARLES F. VAN HOOK, Paterson, N. J., assignor to The Watson Machine Company, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 17, 1923. Serial No. 657,840. 12 Claims. (Cl. 64—10.)



1. In a device of the character specified the combination of a member having a trunnion, a member having a pocket bearing for said trunnion, a rock sleeve pivotally mounted on said bearing member, an arm upstanding on said sleeve, a bolt pivotally connected at one end thereof with said arm, the other end of said bolt being adapted for entering said bearing, means for urging said bolt toward said bearing, and hand operated means for withdrawing said bolt.

1,502,219. CARBURETOR. CHARLES F. WALLACE, Westfield, N. J. Filed June 26, 1920. Serial No. 392,134. 6 Claims. (Cl. 261—63.)

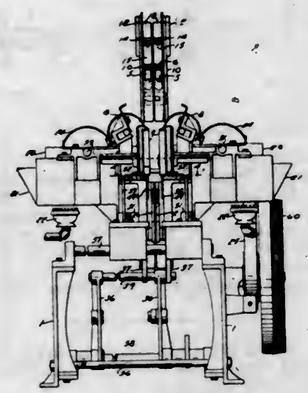


1. In a carburetor, the combination with means for mixing fuel and air of a valve to regulate the mixture controlled by the vacuum above the throttle and an opposing resistance, the position of the valve varying in such manner that the mixture is rich at maximum vacuum gradually leaned as the vacuum decreases to a predetermined value and again enriched on a further decrease in vacuum.

4. In a carburetor, the combination with a means for delivering fuel, of a tube surrounding said means, a port in said tube to admit air to the mixture, a piston valve surrounding said tube and connected with the space beyond the throttle, and controlling the area of said port in accordance with the degree of vacuum beyond the throttle, and springs of different force connected with said piston valve.

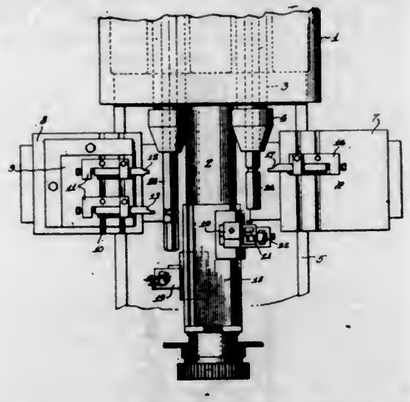
6. In a carburetor, the combination with means for mixing fuel and air of means for regulating the fuel content of the mixture, controlled by a vacuum above the throttle and a varying opposing force which produces a rich mixture at maximum vacuum a leaner mixture as the vacuum deceases to a predetermined value and a richer mixture on a further decrease of vacuum and thermostatic means for controlling the temperature of the air in the mixture.

1,502,220. PAPER-BOX MACHINERY. ISAAC ALLEN WATROUS, Bridgeport, Conn., assignor to Union Paper Company, New York, N. Y., a Corporation of New York. Filed Nov. 16, 1923. Serial No. 675,097. 16 Claims. (Cl. 93—55.)



1. A machine for applying caps to the ends of paper boxes comprising means for propelling the box body in a direction at right-angles to its longitudinal axis; means for feeding caps in a direction substantially at right-angles to the plane of travel of said axis, into the path of travel of the box, said means arranged to deliver the caps at an angle to the axis of the box to permit of the box passing the rearward portion of the flange of the cap and engaging the forward portion thereof; cam surfaces between which said box is advanced, adapted to press the caps upon the ends of the box; and spring plate means for pressing the caps home.

1,502,221. METHOD OF MAKING BOLT BLANKS. CHARLES F. WHITMAN, Detroit, Mich. Filed May 24, 1923. Serial No. 641,080. 4 Claims. (Cl. 10—27.)

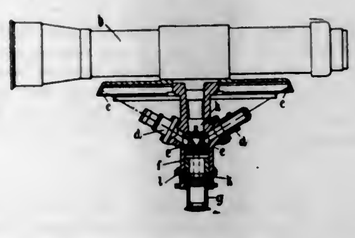


1. A method of forming bolt blanks in a four stage multiple spindle automatic machine, which method consists in turning down and chamfering a blank at the first stage; cutting off and chambering a blank at the second stage; turning down a chamfered blank at the third stage, and cutting off a chamfered and turned down blank at the fourth stage, said operations being carried on in sequence and synchronously so eight blanks are produced in one cycle of the machine.

1,502,222. PROCESS FOR PREPARING CAFFEINE-FREE COFFEE BEANS. KARL HEINRICH WIMMER, Bremen, Germany, assignor to Coffee Products Corporation, New York, N. Y. Filed Oct. 30, 1923. Serial No. 671,757. 4 Claims. (Cl. 99—11.)

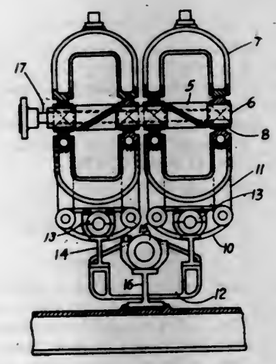
1. A process of preparing caffeine-free coffee which comprises extracting the caffeine from coffee with a normally liquid halogenated hydrocarbon derivative having a boiling point lower than 45° C.

1,502,223. THEODOLITE, SPECTROSCOPE, AND THE LIKE. ROBERT M. ABRAHAM, Westminster, London, England. Filed May 12, 1923. Serial No. 638,530. 4 Claims. (Cl. 88—2.6.)



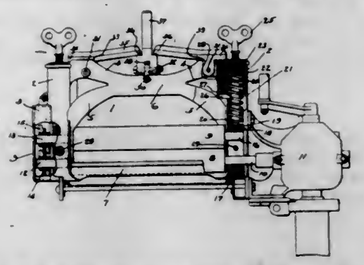
1. In a theodolite, the combination of a frame; a telescope mounted to turn about a horizontal axis in a part of said frame forming bearings for said telescope, a vertical conical scale fixed to said telescope to turn therewith and an optical system carried by one of said bearings and comprising microscope tubes directed towards two portions of said scale and at right angles to its surface and thus inclined to said horizontal axis to direct rays of light from the scale to a point within said bearing, means for reflecting the rays of light axially through said bearing and means for viewing the portions of said scale side by side.

1,502,224. GEARING. ROBERT C. ALLEN, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Sept. 29, 1920. Serial No. 413,640. 11 Claims. (Cl. 74—7.)



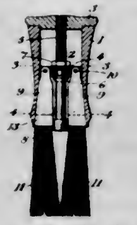
1. In a gear set, the combination of a support, a floating frame, a flexible member carried by the support, and a pivotal connection between the floating frame and the flexible member.

1,502,225. WRINGER. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Apr. 23, 1923. Serial No. 634,149. 9 Claims. (Cl. 68—32.)



1. In a wringer, in combination, a frame having upstanding barrels at each end, wringer rolls journaled in said frame, springs in said barrels coacting with said rolls, means in the barrels to compress said springs, mean to release the compressing means and cushion springs in the barrels adapted to act upon the release of said compressing means.

1,502,226. SHAVING BRUSH. DUNCAN MACKENZIE ANDERSON, Toronto, Ontario, Canada. Filed Jan. 25, 1923. Serial No. 614,799. 6 Claims. (Cl. 15—201.)



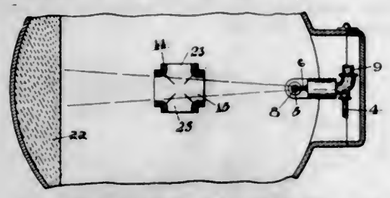
1. The combination, in a brush, of a handle, a carrier, a plurality of bristle holders each movably secured at one end to the carrier and provided at its other end with a bunch of bristles projecting in line with the body of the holder, a shank arranged centrally through the carrier and provided with a free end for the bodies of the holders to abut against, and means on the handle cooperating with said shank for detachably attaching the carrier to the handle with the bristle holders parallel with each other.

1,502,227. PANELWORK FOR LIGHT STRUCTURES. KARL ARNSTEIN, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,485. 2 Claims. (Cl. 189—37.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



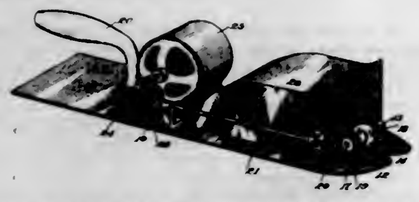
1. A structural member having a high moment of elasticity and a low degree of permanent set under repeated strains for use in aircraft construction, comprising two strips of bands of thin sheet metal each bent into channel form with rounded corners and of a substantially uniform thickness throughout its cross section, said strips extending substantially parallel to one another with their middle webs facing one another and a plurality of transverse strips spaced apart from each other and extending across the channels and fixed to the flanges thereof on both sides of said channels.

1,502,228. OIL BURNER. MICHAEL A. ATTALLAH, Toronto, Ontario, Canada. Filed Mar. 27, 1923. Serial No. 628,107. 1 Claim. (Cl. 158—76.)



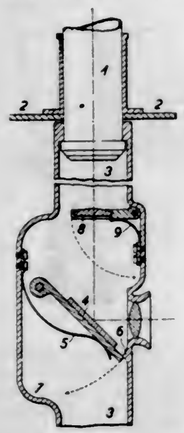
In oil burning apparatus, the combination of an upwardly directed fuel nozzle having its sides flattened and formed with a narrow slit like aperture parallel to the sides; and an air nozzle substantially at right angles to and directed across the fuel nozzle, the said flattened sides of the fuel nozzle extending parallel to the axis of the air nozzle whereby oil dripping down the sides of the fuel nozzle is swept off by the air current from the air nozzle.

1,502,229. TACK PULLER. HANS B. BEETZ, San Francisco, Calif. Filed Sept. 22, 1923. Serial No. 664,220. 5 Claims. (Cl. 254—18.)



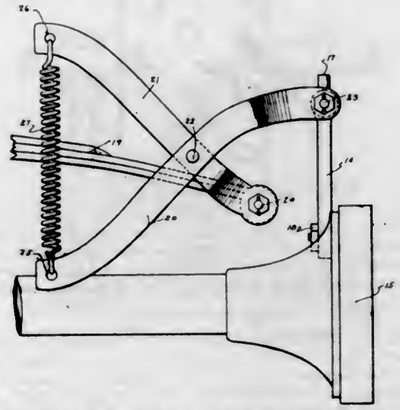
1. A portable tack puller comprising a flat base having a recess formed therein for engaging tacks, a revoluble extracting member carried by the base above said recess and adapted to engage and extract tacks, and means carried by the base and operatively connected to the extracting member for revolving the same.

1,502,230. PERISCOPE. ULRICH BLUM, Kiel, Germany. Filed Aug. 29, 1921. Serial No. 496,735. 3 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a periscope a stationary part, containing an ocular, a sliding tube containing optical elements and admitting of the rays of light emerging in a downward direction, the sliding tube being movable in the direction of its axis, the stationary part being adapted to allow the sliding tube on descending to pass through the stationary part, and the sliding tube being adapted to remove the optical parts situated within the stationary part in the path of the sliding tube out of the operative position of them.

1,502,231. SHOCK ABSORBER. ANDREW J. BOCKWITZ, Twin Falls, Idaho. Filed Oct. 21, 1921. Serial No. 509,413. 1 Claim. (Cl. 267—17.)



In combination with a spring, axle housing and spring perch, a shock absorber having pivotally connected cross arms of unequal lengths between points where said arms pivotally connect together and where they pivotally connect with the spring perch and pivotally connect to the main vehicle spring, a tension coil spring connecting the opposite ends of said pivoted arms, said constructon absorbing and preventing any abrupt upward motion of the main spring and vehicle body.

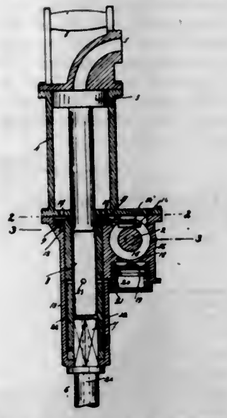
1,502,232. SPRING HOLDER FOR ATTACHING DUST CAPS. JUNIUS A. BOWDEN, Los Angeles, Calif., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 3, 1920, Serial No. 356,054. Renewed Aug. 16, 1922. Serial No. 582,644. 5 Claims. (Cl. 152—12.)



1. A new article of manufacture formed entirely of sheet metal for mounting a quick detachable cap upon a tire valve stem, comprising a spring collar having means integral therewith adapted to detachably secure the collar directly to the exterior of said stem, said collar having a spring portion integral therewith adapted to frictionally hold a dust cap in engagement with said spring collar.

1,502,233. PNEUMATIC HAMMER. ERNESTO CURTI, Milan, Italy. Filed Aug. 11, 1920. Serial No. 402,763. 1 Claim. (Cl. 255—42.)

In a pneumatic hammer, a cylinder provided at one end with an air passageway adapted to be connected with a pulsator, a hammer slidably mounted in said cylinder and provided with a stem, a cylinder extension connected to one end of the cylinder and provided with a rotatable bushing in which said stem is slidably mounted, a tool rotated by said bushing, a second cylinder carrying reciprocating piston and provided with an air passageway adapted to communicate with a pulsator, and a ratchet and pawl mechanism adapted to rotate said bushing and actuated by said piston, a chamber, a pressure actuated valve controlling the passage of air from the interior of the second cylinder to the chamber, a duct arranged in said tool, air conduits placing the interior of said chamber in communication with said duct and with the interior of said bushing, and ports placing the interior of the first mentioned cylinder in communication with the interior of the second cylinder.

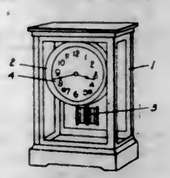


1,502,234. OIL AND WATER CIRCULATING SYSTEM FOR EXPLOSIVE ENGINES. GLEN L. DAVIS, San Francisco, Calif. Filed Jan. 23, 1922. Serial No. 531,018. 6 Claims. (Cl. 103—4.)



1. An oil and water circulating unit for explosive engines, comprising a relatively long approximately horizontal tubular housing, a single continuous relatively long horizontal shaft the major portion of which is confined within the tubular housing and extended slightly beyond the front end thereof and provided at its extension with a belt receiving pulley; and oil and water pumps contained in the tubular housing and directly actuated by the said shaft for circulating oil and water.

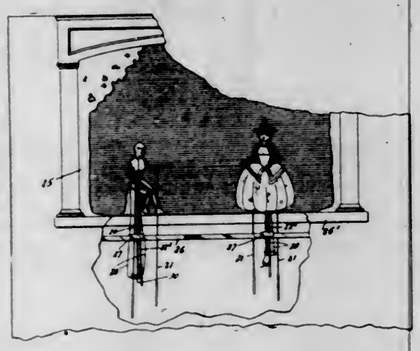
1,502,235. WATCH AND CLOCK. SIEBREN G. DE VRIES, Grand Rapids, Mich. Filed Oct. 14, 1921. Serial No. 507,667. 2 Claims. (Cl. 58—125.)



1. In a double-faced clock, the combination of oppositely facing dials, a main shaft or arbor, driving means therefor, a minute hand mounted on one end of said

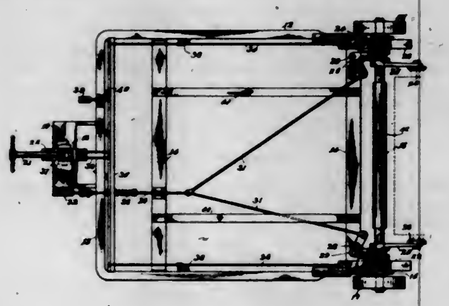
arbor to rotate therewith, an hour hand provided with a sleeve rotatably mounted at such end, a train of driving gears connecting said sleeve to said arbor, a driving gear mounted on and having frictional engagement with the opposite end of said arbor, a minute hand sleeve rotatably mounted on said arbor and provided with a gear disposed adjacent to said fixed gear thereon, a minute hand mounted on said sleeve, driving connections for said fixed gear to said gear on said minute hand sleeve, whereby the said sleeve is driven at the same speed as said arbor but in an opposite direction, an hour hand gear provided with a sleeve mounted upon said minute hand sleeve, and a reducing train of gears connecting said minute hand gear with said hour hand gear, all coacting for the purpose specified.

1,502,236. MARIONETTE. MATHURIN M. DONDO, New York, N. Y. Filed July 1, 1922. Serial No. 572,318. 8 Claims. (Cl. 46—40.)



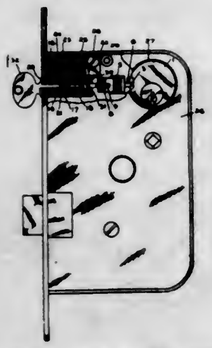
1. The combination with a stage, of a guide, a marionette or figure and means for movably supporting the latter on said guide, including a slide and a member carrying said figure and rotatably borne and vertically adjustable in said slide.

1,502,237. TRUCK. MAX GUSTAV DRESCHER, San Francisco, Calif. Filed Feb. 26, 1923. Serial No. 621,160. 8 Claims. (Cl. 214—65.)



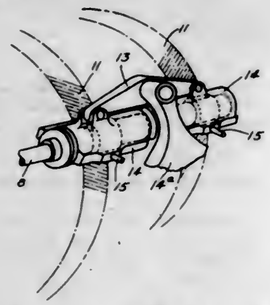
1. A truck comprising a frame having a running gear, a pair of gripper members arranged on the frame, operative means for moving said members toward and away from each other whereby they may be caused to grip the opposite sides of an object, and other means for swinging said arms whereby they may be caused to shift an object gripped onto or off the frame.

1,502,238. LOCK. JOSEPH ANTONIO DUFRESNE, Montreal, Quebec, Canada. Filed Apr. 24, 1923. Serial No. 634,380. 9 Claims. (Cl. 70—46.)



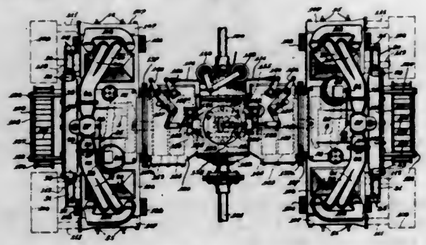
1. In a lock, a lock casing and a removable member projecting into said casing and fastened therewithin, and an auxiliary lock forming an operating member for securing and releasing the fastening of said removable member.

1,502,239. REDUCTION GEARING. RAYMOND N. EHRHART, Jeannette, Pa., assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Sept. 18, 1918. Serial No. 254,664. Renewed Jan. 16, 1924. 17 Claims. (Cl. 74—7.)



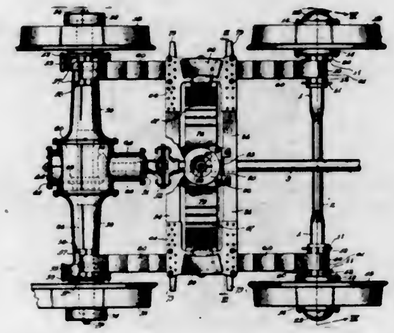
1. In a reduction gearing, two large gears having oppositely inclined teeth formed thereon, two pinions each having gear teeth meshing with the teeth of one of said gears, an independent movably mounted bearing for each of said pinions, and a shaft connecting the pinions together.

1,502,240. LOCOMOTIVE POWER PLANT. HENRY FORD, Dearborn, Mich. Filed Jan. 3, 1922. Serial No. 526,539. 2 Claims. (Cl. 74—7.)



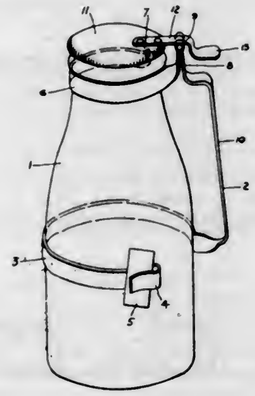
1. A railway car power plant consisting in the combination of a horizontally extending transmission gear system embodying a pair of opposed transmission units arranged one at either end of the system, a shaft arranged between and transversely of said units, a bevel gear driving connection interposed between said shaft and transmission units, and a pair of horizontally disposed motors arranged one at either end of said gear system.

1,502,241. RAILWAY-CAR TRUCK. HENRY FORD, Dearborn, Mich. Filed July 8, 1922. Serial No. 573,624. 17 Claims. (Cl. 105—197.)



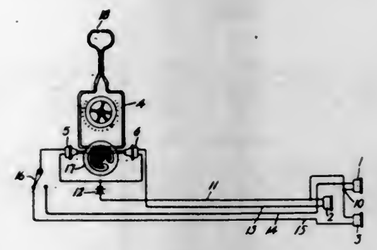
1. A railway car truck comprising axle assemblies, means disposed in parallelism and connecting said axle assemblies so that one of said axle assemblies may move to and from the other axle assembly, and means transmitting power to one of said axle assemblies, one of said axle assemblies including an axle having a depressed portion providing clearance for said power transmitting means.

1,502,242. HOLDER FOR MILK BOTTLES AND THE LIKE AND METHOD OF MAKING SAME. EARL FRENCH, Vancouver, British Columbia, Canada. Filed Dec. 9, 1922. Serial No. 605,917. 1 Claim. (Cl. 215—100.)



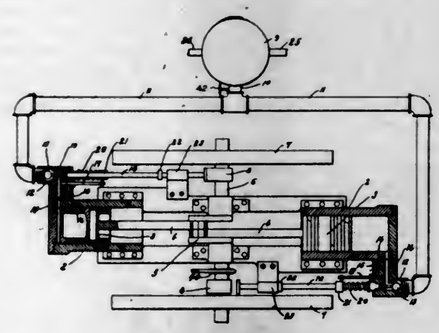
A bottle holder comprising a single strip of metal bent to provide a handle member having its lower end turned substantially at right angles and curved to provide a bottle embracing clip of circular formation, the end of said clip being bent upon itself to provide a ticket holder, the upper end of said handle being bent upon itself to provide a vertical supporting standard and a curved clip extending therefrom and a lever pivoted to said standard and carrying a cap at one end.

1,502,243. SYSTEM FOR DETERMINING THE DIRECTION OF PROPAGATION OF WAVE ENERGY. THORNTON C. FRY, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 13, 1920. Serial No. 423,922. 5 Claims. (Cl. 181—26.)



4. In a system for determining the direction of propagation of wave energy, the combination of a plurality of detectors including diaphragms and supports therefor of identical configuration and dimensions, means for supporting said detectors with the diaphragms in vertical planes and facing the same direction, and means for binaurally comparing the response of the detectors.

1,502,244. ENGINE. ROBERT J. K. GORE, Detroit, Mich., assignor of one-half to William J. Grandchamp, Detroit, Mich. Filed May 8, 1920. Serial No. 379,926. 1 Claim. (Cl. 121—167.)

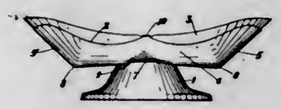


The combination with a crank shaft, a cylinder and a piston mounted for reciprocation in the cylinder and connected to the crank shaft, of an inlet port and an exhaust port in communication with one end of the cylinder, means for directing fluid under pressure to the inlet port, a ball valve for closing the inlet port, a slide valve for closing the exhaust port, a plunger mounted for reciprocation by the crank shaft, a pin actuated thereby for unseating the ball valve, a connection between the slide valve and the plunger, yielding means for holding the plunger at one extreme position with the pin out of contact with the ball valve and with the slide valve in open position, said plunger being shiftable to simultaneously unseat the ball valve and close the exhaust port.

1,502,245. HOLDER. WILLIAM A. GREEN, Toronto, Ontario, Canada. Filed Nov. 6, 1919. Serial No. 336,222. 12 Claims. (Cl. 65—61.)

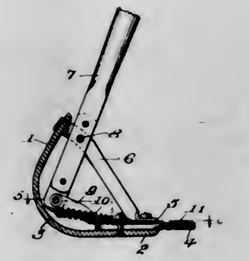
1. In a device of the character described, a holder including an elongated concavity the end walls of which curve transversely of the holder, the side walls having

inwardly extending stops, in combination with a resilient paper dish lining seated in said concavity with its edges



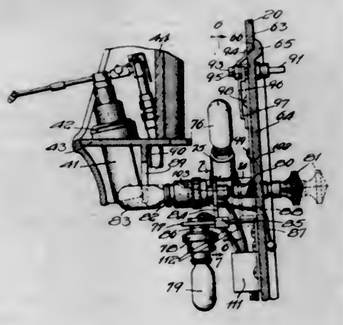
beneath said stops, said dish lining comprising free overlapping contiguous portions lying against the end walls and held in position by engagement therewith.

1,502,246. PLANT PULLER. SIMON HAGOPIAN, Petaluma, Calif. Filed Mar. 12, 1923. Serial No. 624,530. 2 Claims. (Cl. 254—132.)



2. A device of the class described comprising a base having a flat front part and an upwardly curved rear part, a pair of jaw members pivoted to the front part, a brace connecting the upper end of the base with the front end thereof, a handle pivoted to the base, links connecting the handle with the inner ends of the jaw members and a spring for holding the jaw members in closed position.

1,502,247. DENTAL APPLIANCE. JOHN V. HANBERG, Chicago, Ill., assignor to A. C. Clark & Company, Chicago, Ill., a Corporation of Illinois. Filed July 16, 1921. Serial No. 485,390. 23 Claims. (Cl. 32—5.)



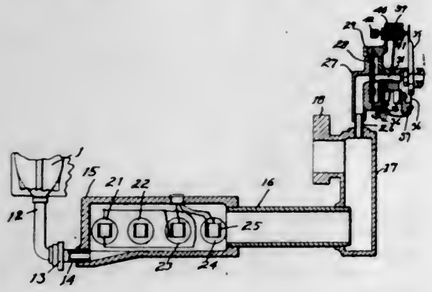
2. In a dental unit, the combination with a hollow pedestal, of a socket extending through a wall thereof and adapted to receive a holder for liquids, an incandescent lamp within the pedestal adjacent the socket, a support for the lamp extending through the pedestal movable to vary the position of the lamp relative to the socket, and means extending through the pedestal for controlling the lamp operable in any position of the support.

1,502,248. CARD-DISPLAY STAND. ERNEST P. HAWLEY, Nashville, Tenn. Filed Dec. 18, 1923. Serial No. 681,419. 5 Claims. (Cl. 40—7.)



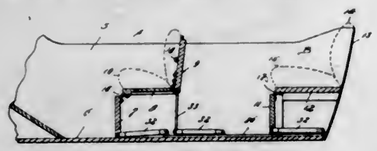
1. A display box provided with a compartment and a display easel hingedly connected to the box and normally contained in said compartment in collapsed condition.

1,502,249. ELECTRIC STEAM RADIATOR. ANSEL C. HULBERT, San Carlos, Calif. Filed Sept. 8, 1921. Serial No. 499,290. 2 Claims. (Cl. 219—38.)



1. An electric steam radiator, comprising a plurality of connected radiator sections, legs to support the radiator sections above the floor level, and means for regulating the current supplied to the heating elements whereby the danger of exceeding a safe pressure within the radiator is avoided one of said elements being unregulated to keep the radiator warmer than the atmosphere when connected.

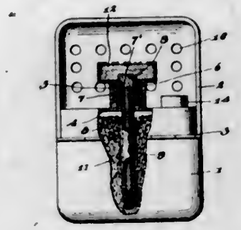
1,502,250. AUTOMOBILE SEATING ARRANGEMENT. CARL HURST, Glenwood, Iowa. Filed Apr. 13, 1923. Serial No. 631,779. 1 Claim. (Cl. 155—7.)



A convertible automobile seat structure comprising a front and a rear seat, fixed in spaced relation in the body of the automobile, bars mounted for sliding movement upon the floor of the body, and disposed longitudinally of the seats, heel boards hingedly connected with the forward portions of the front and rear seats, links pivotally connected at one end with the free edge portions of the heel boards and pivotally connected at their other ends with the end portions of the bars, a back hingedly mounted at the rear edge of the front seat, arms fixed in

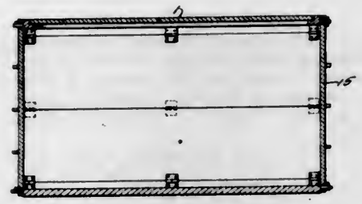
relation to the said hinged back, and having end portions disposed at the opposite side of the hinge from that side at which the back is located, and links pivotally connected at one end with the free ends of the arm, and pivotally connected at their other ends with intermediate portions of the bars and means carried by the hinged back for locking the same in a position at an angle to the level of the front seat, the upper end of said back being adapted to abut the lower edge of the rear heel board to form a bed, when the back is lowered, and the rear heel board raised into the plane of the seat.

1,502,251. POCKET STOVE. SABANOSUKE KANAZAWA, Tokyo, Japan. Filed June 28, 1923. Serial No. 648,372. 2 Claims. (Cl. 126—38.)



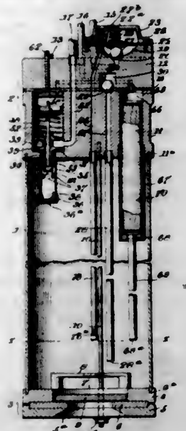
1. A pocket-stove consisting of a receptacle for volatile liquid fuel provided with a top plate having a central opening, an outer sleeve secured to the said top plate and concentric with said central opening, an inner sleeve formed with a plurality of longitudinal channels on its periphery and also formed with an inwardly projecting lug or lugs, and a wick passed into said inner sleeve and held in its position by said lug or lugs, the arrangement being such that the vapor produced in the receptacle rises through the channels formed on the periphery of the inner sleeve.

1,502,252. FOLDING CRATE. JOHN R. KLUG, Munday, Tex. Filed July 17, 1923. Serial No. 652,096. 2 Claims. (Cl. 217—47.)



1. A collapsible shipping crate having a top, bottom, side and end walls, a top frame comprising longitudinal retaining bars and transverse retaining bars forming a rectangular frame, the top wall being hingedly mounted in the frame, the said side walls being of sectional construction and consisting of upper and lower sections hingedly connected at their meeting edges for inward folding movement of the said side walls, the remote edges of the said side wall sections being hingedly connected to the said longitudinal retaining bars in the said frame, the end edges of the said top frame, side walls, and bottom wall being provided with outwardly projecting pins, the end walls having their marginal edges equipped with openings to receive the said pins whereby the end walls may be attached to the said end edges of the other walls, and latch hooks to retain the said end walls in position on the said pins.

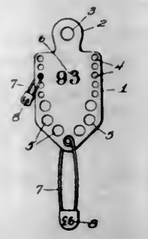
1,502,253. PNEUMATIC PUMP. JOHN L. LATTA, Hickory, N. C. Filed Oct. 13, 1922. Serial No. 594,282. 48 Claims. (Cl. 103—246.)



1. A pneumatic pump comprising a vertical cylinder, a head member therefor comprising upper and lower separable sections, and provided with ports for the inlet and exhaust of motive fluid, and inlet and exhaust valves controlling said ports and carried respectively wholly by said upper and lower sections.

45. A pneumatic pump comprising a vertical cylinder, a check valve at the lower end and a head structure closing the upper end thereof, a liquid discharge pipe carried wholly by said head and extending down into said cylinder, an air admission valve, an air exhaust valve, an exhaust valve operating motor, and a float for controlling said motor, all of said parts being carried and supported entirely by said cylinder head structure and either within the same or wholly inside the cylinder.

1,502,254. PIN CARRIER. DAVID LEGGOTT, Battle Creek, Mich., assignor to The Keyes-Davis Company, Inc., Battle Creek, Mich., a Corporation of Michigan. Filed May 31, 1923. Serial No. 642,576. 1 Claim. (Cl. 40—19.5.)

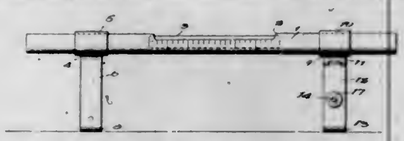


A laundry marking unit comprising, in combination, a plate having openings of different sizes in its marginal portions and a plurality of laundry pins of different sizes, pins of one size being insertable through the openings of one size, the larger pins being insertable through the larger openings and vice versa, the plate and all of the pins having similar identifying indicia.

1,502,255. LEVEL ATTACHMENT. DARIE LEMIEUX, Leeds, N. Dak. Filed June 14, 1922. Serial No. 568,209. 3 Claims. (Cl. 33—207.)

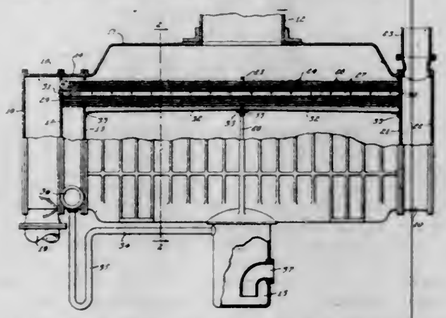
1. A device of the class described including an elongated body member provided with an intermediately dis-

posed cavity, a spirit level in said cavity, a pair of supporting devices one at each end of the body and adjustable longitudinally thereon, each of said supporting



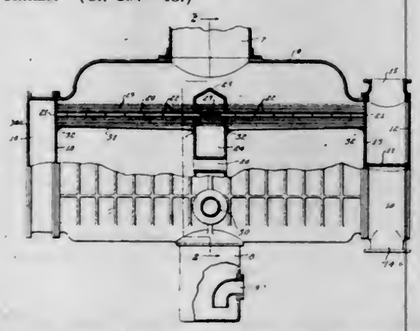
devices being provided with diverging legs and means provided upon one of said supporting devices for adjusting the angle between its diverging legs.

1,502,256. CONDENSER. WILLIAM LONSDALE, Roselle Park, N. J., assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Filed Oct. 3, 1922. Serial No. 592,174. 9 Claims. (Cl. 257—43.)



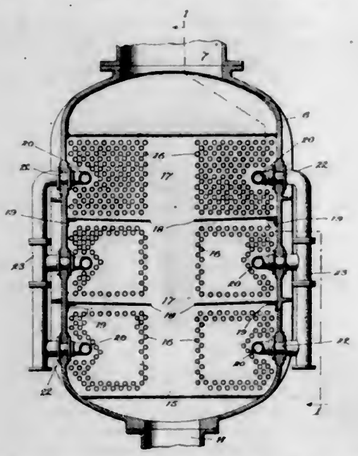
1. A surface condenser of the water tube type comprising in combination a shell, water tubes arranged in a plurality of clusters within said shell and spaced therefrom and from each other to permit the entrance of gases and vapors from all sides of the various clusters; a plurality of offtakes for non-condensible gases, said offtakes being surrounded by and positioned centrally among the tubes of corresponding clusters, and having inlet ports at points substantially throughout the length of said water tubes; and a manifold for said offtakes mounted within said condenser shell and arranged to be cooled by said tubes.

1,502,257. CONDENSER. WILLIAM LONSDALE, Roselle Park, N. J., assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Filed Oct. 3, 1922. Serial No. 592,175. Renewed June 16, 1924. 7 Claims. (Cl. 257—43.)



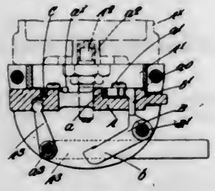
1. The combination with a surface condenser having a shell and a plurality of water tubes mounted therein; of a smaller shell enclosing a vacuum chamber, said smaller shell being mounted in the condenser shell so as to be traversed by and give support to said water tubes at or near the mid-length thereof; a suction connection leading from said vacuum chamber; and vacuum tubes interspersed among said water tubes and serving to conduct air from a plurality of points within the condenser shell to the vacuum chamber.

1,502,258. CONDENSER. WILLIAM LONSDALE, Roselle Park, N. J., assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Filed Oct. 3, 1922. Serial No. 592,176. 4 Claims. (Cl. 257—43.)



1. In a condenser, the combination of a shell having an exhaust steam inlet; water tubes mounted in said shell and arranged in two main groups spaced apart to provide a substantially vertical steam lane to which said steam inlet leads; condensate deflecting plates extending substantially from the walls of said shell to the margin of said steam lane and serving to divide each main group of water tubes into a plurality of subgroups; conduits for the withdrawal of non-condensible gases mounted among the water tubes of the various subgroups; and vacuum pump connections for said conduits.

1,502,259. PERCUSSIVE FIRING MECHANISM FOR BREECH-LOADING GUNS. OWEN DAVID LUCAS, Bayswater, London, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Mar. 5, 1923. Serial No. 622,765. 4 Claims. (Cl. 89—27.)

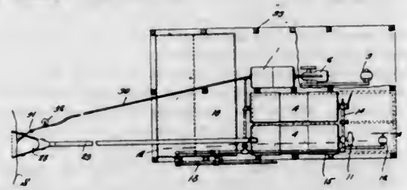


1. Percussive firing mechanism comprising a firing pin, a pivoted hammer adapted when actuated to strike the firing pin, a firing member mounted to slide transversely of the firing pin, a firing spring operatively interposed between the firing member and a part of the pivoted hammer, a sear for normally holding the hammer in its inoperative position, means to actuate the sliding firing member, and means operative during the sliding movement of the firing member to disengage the sear from the hammer to permit the latter to be actuated by said spring.

1,502,260. PREPARATION OF CATALYTIC BODIES. OWEN DAVID LUCAS, Westminster, London, England, assignor to V. L. C. Processes, Limited, Westminster, London, England. Filed Oct. 23, 1923. Serial No. 670,240. 6 Claims. (Cl. 23—28.)

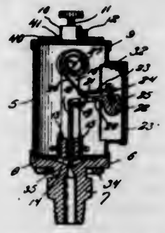
1. A process for the production of a catalytic body of the kind set forth, by reduction of a mixture of a metallic oxide and an organic metal compound, which consists in manufacturing the catalytic body in two distinct stages, in the first of which partial reduction of the metallic oxide is effected by the aid of a carbonaceous reducing agent mixed therewith, whereupon the partially reduced material is ground, mixed with a second portion of reducing agent and heated in the second stage to a higher temperature than in the first stage, so as to sinter but not to melt the reduced metal.

1,502,261. METHOD OF AND APPARATUS FOR TREATING OIL SAND. WILLIAM MCARTHUR, Seattle, Wash. Filed Apr. 27, 1923. Serial No. 635,066. 4 Claims. (Cl. 262—2.)



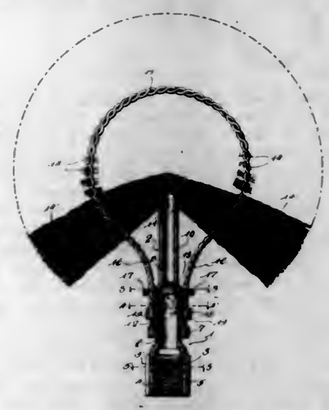
1. The herein described method of treating oil sand which consists in subjecting the same to the action of an oil solvent directed thereagainst under pressure, subsequently agitating the sand and solvent in a container, allowing the mixture to settle, draining the liquid from the mixture, and finally subjecting the sand to the action of a chemical cleansing agent.

1,502,262. OIL CUP. ROBERT HARRY MCCOY, Conda, Idaho, assignor of one-third to Joseph B. Bell, Evanston, Wyo. Filed Apr. 4, 1923. Serial No. 629,771. 3 Claims. (Cl. 184—78.)



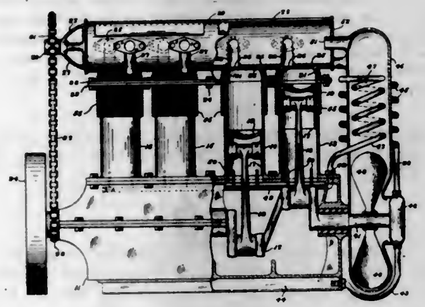
2. An oil cup for attachment to movable members, including an oil receiving casing having an oil outlet, and unit carried means having a supporting member formed with a threaded sleeve for co-operation with a threaded projection in the casing, and a pair of arms extending from said sleeves in spaced parallel relation, a lever pivotally mounted intermediate its ends in and between said arms, carrying a rod at one end thereof formed with a valve at the lower end for co-operation with the oil outlet to close the same and weighted at the opposite end, a winding shaft rotatable transversely between the upper ends of said arms, a hair spring mounted on said shaft having the free end extending and connected to said lever for normally operating the same to close the valve and outlet opening, means for rotating the shaft for adjusting the tension of said hair spring, means for normally holding said shaft in adjusted position, a bifurcated projection on said arm extending outwardly over the weighted end of the lever and an adjustable member mounted in the lever extending through the bifurcation of said projection and co-operating therewith for limiting the movement of the lever and thereby the opening of the valve, for governing the oil outlet of the casing.

1,502,263. FOUNTAIN BRUSH. GEORGE A. MEISNER, Oak Park, Ill. Filed Sept. 6, 1923. Serial No. 661,287. 1 Claim. (Cl. 15—128.)



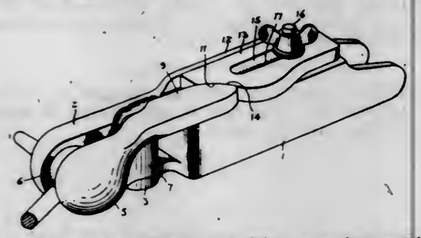
A fountain brush comprising a brush head composed of bristles and a looped twisted wire core constituting a retainer for said bristles, the free ends of said core being extended inwardly beyond said head, a fluid supply nozzle having an elongated distributor disposed for discharging fluid into the center of said head, said nozzle being equipped with substantially diametrically opposed apertured ears, the free ends of said core passing through and inwardly beyond said ears, and a clamping band encircling said nozzle and having diametrically opposed outwardly bent portions forming pockets for reception of the extremities of said free ends.

1,502,264. INTERNAL-COMBUSTION ENGINE. HARRY G. MOORE, Philadelphia, Pa. Filed Dec. 10, 1921. Serial No. 521,490. Renewed June 9, 1924. 5 Claims. (Cl. 123—59.)



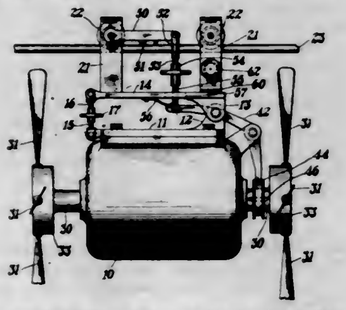
2. In an internal combustion engine having a multiplicity of cylinders, an enclosed crank case and a rotary cylindric valve, the combination of a blower casing, a fan in said casing driven by the engine crank shaft, an extension on said casing having an outlet nozzle directed into the aforesaid rotary valve, a ram's-horn manifold from said extension having outlets directed about the cylinder heads whereby said cylinder heads and the rotary valve are cooled, and means for circulating the lubricating oil constantly about the blower casing.

1,502,265. QUICK-RELEASE PITMAN. WILLIAM PATERSON, Toronto, Ontario, Canada, assignor to David Paterson, Lindsay, Ontario, Canada. Filed June 10, 1921. Serial No. 476,627. 1 Claim. (Cl. 287—89.)



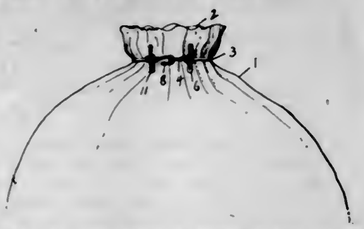
A quick release pitman, comprising, a socket member adapted to receive the pitman and having a ball socket extension, a socket member pivotally secured to the aforesaid member and having a lug extending over the pitman socket, a rib formed on the upper side of the pitman socket, toothed projections formed on the face of the rigid member adjacent to said rib, a cam plate slidably engaging said rib and having a toothed under surface and a curved end surface to engage the projecting lug on the pivotal socket member, said cam plate having a longitudinal slot therein, and a bolt extending through the pitman socket and the slot in the cam plate.

1,502,266. TRAVELING ELECTRIC FAN. STEVEN RADIMAK, New York, N. Y., assignor of one-half to David Schiffer, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,114. 4 Claims. (Cl. 230—1.)



1. In combination, a motor, a fan having helical blades driven by said motor and adapted to propel the latter along a track, a brake for retarding the travel of the motor along the track, and a unitary means for adjusting said brake and varying the pitch of the fan blades.

1,502,267. BAG TIER. FREDERICK H. RASCHER, Arlington Heights, Ill. Filed Mar. 16, 1923. Serial No. 625,668. 1 Claim. (Cl. 24—30.5.)



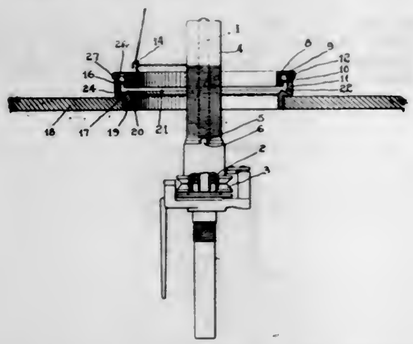
A bag tier comprising a single strand of wire having an eye formed at one end thereof, said wire being given a complete turn at this point around the strand and passed downwardly and upwardly to provide a finger grip adjacent the rear end of the eye, a hook provided at the opposite end of the wire and being doubly reinforced by overlapping the back of the strand upon itself, said strand being given a second complete turn at this point to provide loops on opposite sides thereof which act in the capacity of a finger grip at the rear end of the first mentioned hook.

1,502,268. AUTOMOBILE FENDER BRACE. ALBERT A. RIBLETT, Burkburnett, Tex. Filed Aug. 14, 1923. Serial No. 657,338. 1 Claim. (Cl. 280—152.)



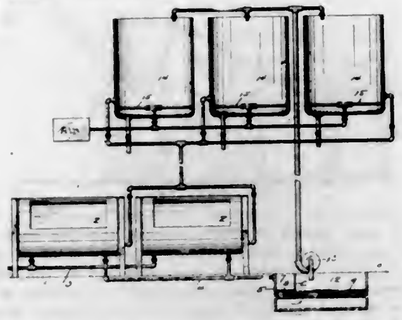
A bracing device for the front fenders of an automobile, said bracing device comprising a horizontally disposed brace structure having its outer end portions provided with fender engaging means, and a pair of depending supporting legs connected with the brace structure and each having its lower free end provided with a depending finger for engaging the front face of a permanent portion of the automobile, the lower end of the supporting legs being further provided with a rearwardly extending arm for resting upon the upper face of the permanent portion of the automobile and terminating in a depending finger for engaging the rear face of the said permanent portion of the automobile.

1,502,269. TRAVELER GUIDE FOR SPINNING, TWISTING, ETC. ELWIN HOLBROOK ROONEY, Providence, R. I. Filed Mar. 23, 1921. Serial No. 454,659. 3 Claims. (Cl. 118—56.)



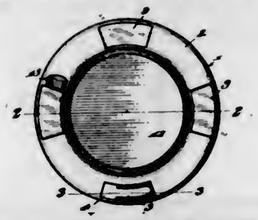
1. A rotary traveler guide adapted for cooperation with a spindle for the spinning or twisting of yarn comprising a supporting and bearing member adapted to be secured to a supporting rail and provided with an annular race-way and formed with an annular grooved shoulder portion underlying the race way and having outlet openings for the drainage of the groove, a rotary guide ring provided with an annular race-way related to the race-way of the supporting member to provide a ball race, rotatable bearing members or balls fitted within the ball race so formed and providing roller bearings for the rotary guide ring and a protective covering extension provided on the guide ring member and positioned to overlie the upper opening of the race-way in close proximity thereto and a thread guide or eyelet carried by the ring, substantially as described.

1,502,270. PROCESS OF RECOVERING LAUNDRY MATERIAL. FRANK L. ROSENAU, San Francisco, Calif. Filed Mar. 16, 1920. Serial No. 366,308. 2 Claims. (Cl. 210—26.)



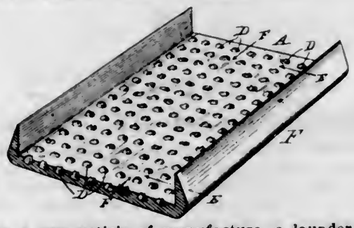
1. The process of recovering soap, water-softening material and water for re-use in washing operations, which comprises flowing the second suds and subsequent rinses used in washing into a settling tank, treating the mixture to increase the specific gravity of the impurities, whereby the impurities are caused to settle and withdrawing the supernatant liquid for re-use.

1,502,271. PROTECTOR FOR PIPE CONNECTIONS. ERNEST J. SALLENBACH, Joliet, Ill. Filed Sept. 14, 1922. Serial No. 588,207. 2 Claims. (Cl. 137—99.)



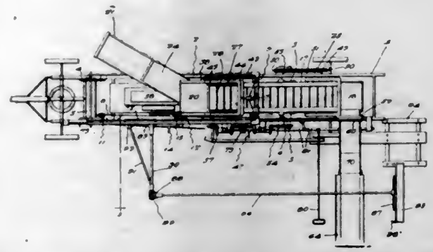
1. The combination with a waste pipe connection, having a laterally extending flange with bolt receiving openings therein, boxes arranged below said openings and having bendable tongues, a disk-like cover having slits for the reception of said tongues which are designed to be bent into clamping engagement with said cover to retain it in operative position.

1,502,272. LAUNDER TROUGH. WILLIAM H. SAYRE, Glen Ridge, N. J.; William Heysham Sayre, William M. Beard, and Elizabeth Bartholomew Sayre, executors of said William H. Sayre, deceased, assignors to American Abrasive Metals Company, a Corporation of New York. Filed Feb. 14, 1920, Serial No. 358,700. Renewed May 17, 1924. 7 Claims. (Cl. 137—75.)



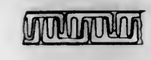
7. As a new article of manufacture, a launder trough section composed of a metal body having a bottom and uprising edge flanges, and a series of inserts of a material harder than the metal of the body embedded in the bottom of the trough.

1,502,273. ELEVATOR. FRED SCHULTZ, Decatur, Ill. Filed July 15, 1922. Serial No. 575,200. 8 Claims. (Cl. 214—44.)



1. An apparatus of the class described comprising a wheeled frame, an elevator mounted therein, a chute for delivering the material into the lower end of the elevator, a reciprocating member for dragging the material from a wagon body into the chute, and means for agitating the material in the chute.

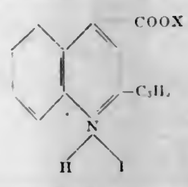
1,502,274. CLOTHESPEG. ROBERT D. SCOTT, Powell River, British Columbia, Canada. Filed June 28, 1923. Serial No. 648,293. 1 Claim. (Cl. 24—137.)



The method of making a clothes peg which consists of striking a single blank having a bar portion at the end of one side of which a pair of prongs extend to define an intervening recess, a tongue extending from the side of the bar at the opposite end between which and the inner of the pair of prongs is defined a further intervening recess equal in width to the pair of prongs, their intervening recess and the tongue.

1,502,275. HYDRIODIDE OF THE ESTER OF 2-PHENYL QUINOLINE 4-CARBOXYLIC ACID. HORACE A. SHONLE and ASHER MOMENT, Indianapolis, Ind., assignors to The Eli Lilly & Company, Indianapolis, Ind., a Corporation of Indiana. Filed July 18, 1921. Serial No. 485,639. 3 Claims. (Cl. 260—39.)

1. The hydriodide of an ester of 2-phenyl quinoline 4-carboxylic acid, represented by the following structural formula:

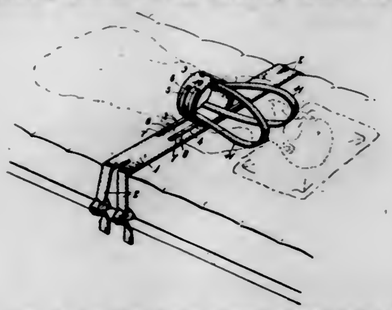


in which X represents any hydrocarbon radicle which combines with 2-phenyl quinoline 4-carboxylic acid to produce an ester thereof.

1,502,276. BABY HARNESS. ANNA G. SIEBERT, Reno, Nev. Filed Feb. 23, 1923. Serial No. 620,760. 2 Claims. (Cl. 128—134.)

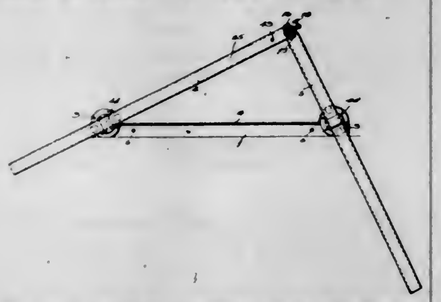
1. In a baby harness, the combination with a fastening band adapted to be secured to a bed, of a flexible body band, and means for connecting said body band to said fastening band to permit a relative movement thereof laterally in either direction, said means comprising a pair of separated rolling tapes adapted to occupy paral-

lel planes, the opposite ends of adjacent tapes being permanently secured to said fastening band, with the



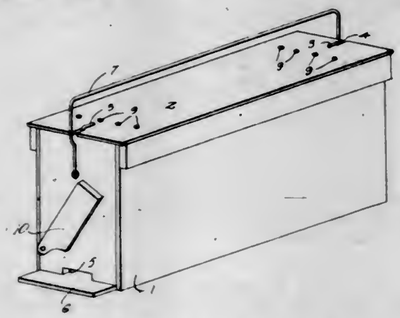
other end of each tape being secured to said body band to permit a substantial lateral movement of said body band relative to said fastening band.

1,502,277. UNIVERSAL CIRCULAR ARC TEMPLATE. THEODORE SPEIDEN, Chicago, Ill. Filed June 29, 1923. Serial No. 648,585. 12 Claims. (Cl. 33—27.)



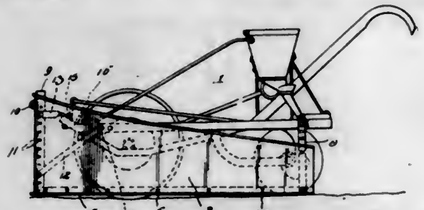
1. An arc template comprising a base member adapted to be secured to a fixed support, legs pivotally and slidably mounted intermediate their ends at the ends of the base member, means for removably locking the ends of the legs to form a predetermined angle, means for pivotally supporting an arc describing element at the vertex of the angle formed by the connected legs, and cooperating means for adjusting the arc describing element through an arc of a circle.

1,502,278. BEE TRAP. WILLIAM L. STEVENS, Elgin, Nebr. Filed Apr. 12, 1923. Serial No. 631,627. 2 Claims. (Cl. 6—7.)



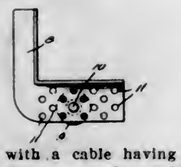
1. A bee trap comprising a box having an entrance for the bees, a cover detachably fitted to the top of the box and adapted to fit a hive and standard size hive frames detachably connected to the cover and held suspended in the box thereby whereby said top and frames may be unitarily moved from the trap and transferred to the hive and the cover thereafter detached from the frames.

1,502,279. CORN-TURNER ATTACHMENT FOR GRAIN DRILLS. ALONZO L. STEWART, Rushville, Ind. Filed Nov. 1, 1921. Serial No. 512,126. 1 Claim. (Cl. 97—192.)



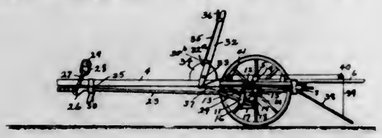
A corn turner attachment for drills including a U-shaped body formed of sheet material, the free ends of which are directed rearwardly at opposite sides of the drill, a bracket mounted on each free end of the body and adapted for adjustable connection to a portion of a drill, a vertical standard mounted on the forward inner side of the body, upper draw bars adjustably mounted on the upper end portion of the standard and extending rearwardly in a substantially horizontal plane for attachment to the drill, and lower draw bars adjustably mounted at the lower end of the standard and extending upwardly and rearwardly in inclined relation for attachment to the drill, whereby torsional strains on the U-shaped body are distributed through the upper and lower draw bars and the brackets to the drill, the draw bars and brackets cooperating in this distribution of stress, for preventing distortion of the body.

1,502,280. BRACKET. WILLIAM A. TASKER, Vindex, Md. Filed Feb. 13, 1922. Serial No. 536,238. 1 Claim. (Cl. 254—190.)



The combination with a cable having manually controlled means secured to one end and its opposite end associated with an actuated means, of a fixed integrally constructed angle shaped bracket including securing plates formed on each angle portion, a pair of spaced outwardly extending flattened members arranged on the plates and following the angle thereof, a guiding pulley adjustably associated with a portion of the members through the medium of a plurality of aligned openings staggeredly arranged thereon and the said pulley receiving the cable therein in a manner whereby the ends thereof are angularly disposed with respect to each other.

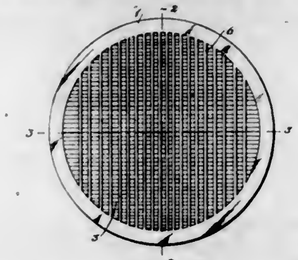
1,502,281. DRAWN VEHICLE. GEORGE TURNER, Union Township, Crawford County, Pa. Filed Aug. 11, 1919. Serial No. 316,786. 1 Claim. (Cl. 188—117.)



In a drawn vehicle, the combination of an axle; wheels on the axle; a draft and guiding bar extending from the axle; a frame on the axle; a brake comprising a beam mounted on the frame operating on said wheels; vertical levers mounted on the axle; links extending from one end of the levers to the brake; a hold-back device carried by the draft and guiding bar; a connection between the hold-back device and the opposite ends of said levers; a hand lever mounted on the guiding bar; means for locking the lever; a connection between the lever and

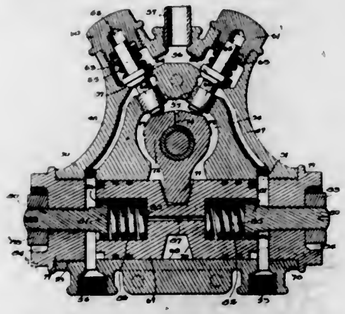
the hold-back device for locking out the bracket; a hold-back strut; a connection between the hold-back strut and the hand lever whereby when the brake is locked out the strut is locked out.

1,502,282. SCREEN FOR AUTOMOBILE HEADLIGHTS. ORAS T. UMBENHOWER, Garrett, Ind. Filed Feb. 8, 1923. Serial No. 617,817. 3 Claims. (Cl. 240—48.4.)



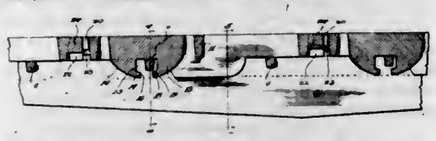
1. A screen device for headlights comprising a lens, a series of parallel faced integral panels extending vertically from the inner face of the lens, said panels reflecting rays of light impinging thereon but preventing their passage therethrough.

1,502,283. LOCOMOTIVE DRIFTING VALVE. EUGENE B. WHELAN, Omaha, Nebr. Filed Apr. 27, 1923. Serial No. 635,153. 5 Claims. (Cl. 121—137.)



4. A saturated steam supply valve having a steam intake chamber and spaced steam outlet channels, valve members normally controlling communication between said chamber and said channels, a lengthwise shiftable pressure actuated piston whose ends are exposed within said channels, and a cam-oscillatable by movements of said piston and having means to unseat one of said valve members upon oscillation thereof in either direction.

1,502,284. SECTIONAL GRATE BAR. JAMES S. WILSON, Scranton, Pa. Filed Oct. 17, 1922. Serial No. 595,102. 7 Claims. (Cl. 126—179.)

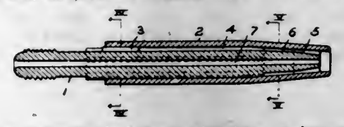


7. In a stationary grate, in combination, a bearing bar, a plurality of grate sections disposed thereon, coacting locking means upon the bearing bar and one end portion of each section for preventing upward displacement of the said end of the section, means on the sections to prevent upward displacement of the ends thereof remote from said coacting locking means, and means on the ends of the sections to maintain them in spaced relation and permit limited endwise movement thereof whereby each section may be removed independently of all the other sections.

1,502,285. METHOD OF PRECIPITATING AN INSOLUBLE SULPHIDE FROM A SOLUBLE SULPHOSALT. NORMAN R. WILSON, Belleville, N. J., assignor to David A. Shirk, Glen Ridge, N. J. Filed July 19, 1921. Serial No. 485,922. 15 Claims. (Cl. 23—13.)

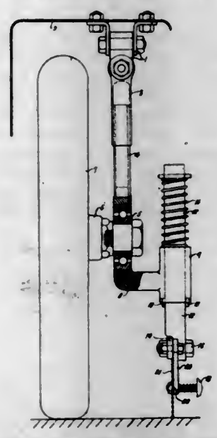
1. The process that comprises treating a solid water-soluble sulpho-salt with an acid capable of decomposing the said salt and precipitating a sulphide therefrom.

1,502,286. GAS BURNER. JAMES B. ANDERSON, Shaler Township, Allegheny County, Pa. Filed Aug. 18, 1923. Serial No. 658,026. 3 Claims. (Cl. 158—27.4.)



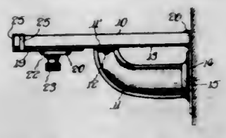
1. In a blow-torch burner structure a burner body provided with an oxygen passageway and with a plurality of gas passageways concentrically arranged about the axis of the said oxygen passageway and converging toward their exit, the said gas passageways individually flaring to their exit.

1,502,287. SPLASH PREVENTER. CHARLES ANDERSON, New York, N. Y. Filed Feb. 29, 1924. Serial No. 695,988. 1 Claim. (Cl. 280—156.)



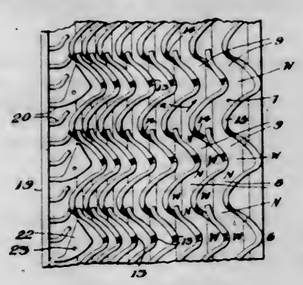
In a splash preventing device for motor vehicles in combination with a hub member, a support attached to said hub member, a socket sustained by said support, said socket having spaced featherways separated by notched stoppers, a rod having feathers engaging said socket, a spring acting on said rod and serving normally to maintain said feathers in engagement with said stoppers, a splash guard proper adjustably carried on said rod, resilient pads fitted to said guard, said pads so disposed relatively to the axis of the rod that, when the pads engage an obstacle, the rod is rocked on its axis to cause the feathers to vacate the notches in the stoppers and to enter featherways in said socket permitting the spring to force the rod and therewith the guard to move upwardly clear of the obstacle.

1,502,288. SHELF SUPPORT. JAMES H. BOYE, Chicago, Ill. Filed Sept. 16, 1922. Serial No. 588,602. 5 Claims. (Cl. 248—19.)



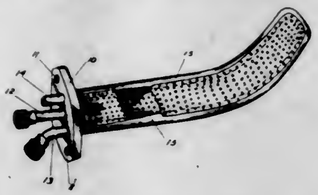
1. A shelf-supporting bracket comprising, in combination, a flat horizontal plate on which the shelf rests, supporting means for said plate adapted for attachment to a wall, and an arm attached to said plate with capacity for both endwise adjustment and angular adjustment in a horizontal plane, said arm having at its forward end a pair of upstanding hooks adapted to engage respectively with the front and a side edge of the shelf adjacent to a corner of the latter.

1,502,289. FLUID-JET MOTOR. ORAM A. BOYER, Chester, Pa. Filed Feb. 28, 1923. Serial No. 621,850. 8 Claims. (Cl. 253—65.)



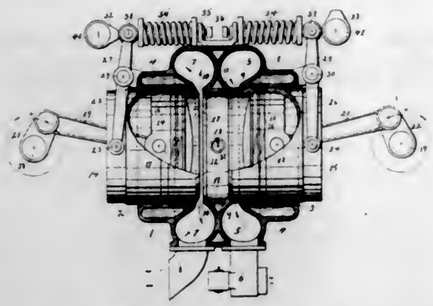
1. A direct action fluid jet motor including a cylinder, a rotor revoluble therein and provided with a plurality of circumferentially extending endless steam channels of sinuous form with each channel providing a communicating series of obliquely extending chamber portions, alternate chamber portions extending in opposite directions, said chamber portions tapering smaller in the direction of rotation of the rotor certain of said chamber portions of each of said channels being in communication with the chamber portions of the next succeeding channel

1,502,290. OIL-STRAINER HEATER. CLYDE W. COLEMAN, Lincoln, Nebr. Filed Feb. 19, 1924. Serial No. 693,944. 4 Claims. (Cl. 123—196.)



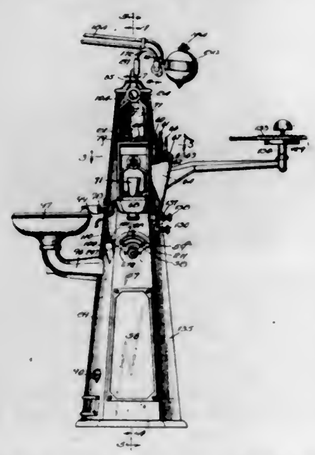
1. A combined heater and oil strainer which is adapted to be used on the crank case of an internal combustion engine, said combined heater and oil strainer comprising an elongated strainer, a tubular coil within said strainer, said coil being provided with intake and outlet ends positioned outside said strainer, and a tubular by-pass which is adapted to be connected with the exhaust of the engine and with the intake end of the said coil.

1,502,291. VALVE FOR MOTORS. GEORGE E. CONWAY, Tenafly, N. J. Filed Sept. 7, 1920. Serial No. 408,411. 3 Claims. (Cl. 123—51.)



1. A casing having a continuous bore therethrough, with a partition and annular inlet and exhaust passages and annular inlet and exhaust ports communicating therewith, the opposite faces of said partition serving as valve seats, reciprocatory valves one upon each side of said partition and controlling said ports respectively and fitted to said bore, a reciprocatory piston in each of said valves, and means for actuating said valves independently for controlling the inlet and exhaust through said ports for both pistons.

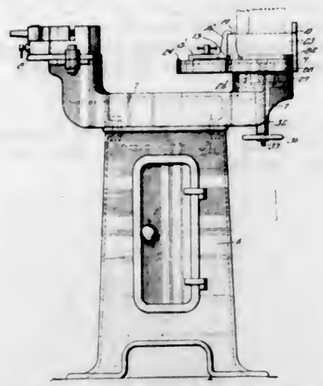
1,502,292. DENTAL APPLIANCE. ROBERT G. CRANE, Chicago, Ill., assignor to A. C. Clark & Company, Chicago, Ill., a Corporation of Illinois. Filed July 16, 1921. Serial No. 485,167. 43 Claims. (Cl. 32—5.)



1. In a dental unit, the combination with a hollow pedestal extending vertically upward from the bottom thereof, of a spittoon bowl at one side thereof, a hollow bracket from the pedestal to the bowl, a motor mounted on the top of the pedestal, an arm extending from the pedestal on the side opposite the bowl, a Bunsen burner at the end of the arm, and valves carried by the pedestal for controlling the water supply to the bowl and gas to the Bunsen burner.

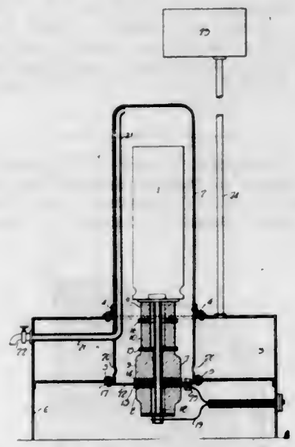
1,502,293. MOTOR STAND. FRANK DANIELSON, Chicago, Ill. Filed June 17, 1920. Serial No. 389,655. 14 Claims. (Cl. 29—89.)

13. A device of the character described comprising a bed, projections on said bed for supporting an engine cylinder block thereon, and a member for clamping said cylinder block on said bed comprising a body portion and a



holding jaw having cylinder block engaging faces extending substantially at right angles to each other.

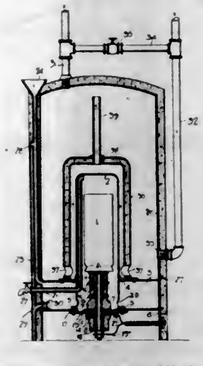
1,502,294. METHOD OF REGULATION OF HEAT GENERATED BY ELECTRICITY. LOUIS G. DE KERMOR, Edmonton, Alberta, Canada, assignor to De Kermor Electric Heating Company Limited, Edmonton, Province of Alberta, Canada. Filed Dec. 2, 1921. Serial No. 519,425. 2 Claims. (Cl. 219—40.)



1. In an electrical heater of the type described, a casing closed at the top, a second casing enclosing the first casing positioned at the lower end thereof, means to establish communication between said casings, means to completely fill the said casings, means to take up the expansion displacement in said casings, means to completely remove the air at the top of the first casing, and means to insulatingly support an electrode in said first casing.

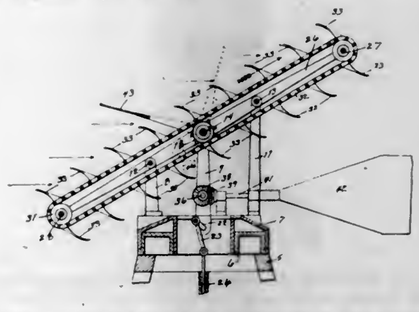
1,502,295. SELF-REGULATING WATER HEATER. LOUIS G. DE KERMOR, Edmonton, Alberta, Canada, assignor to De Kermor Electric Heating Company, Limited, Edmonton, Province of Alberta, Canada. Filed Dec. 2, 1921. Serial No. 519,427. 2 Claims. (Cl. 219—40.)

1. In a self-regulating water heater, a casing closed at the bottom, a water heating casing of smaller capacity mounted therein, a supplementary tank forming part of the main casing positioned above the closed bottom thereof, communication ports between said supplementary tank and the water heating casing, an electrode support mounted through the bottom of the supplementary tank



and insulated therefrom, means to fill the tank with water, and means inside of the water heating casing to completely remove the air therefrom.

1,502,296. FLUID-CURRENT MOTOR. JAMES S. DOAK, Glenn, Calif. Filed May 2, 1923. Serial No. 636,191. 2 Claims. (Cl. 170—6.)

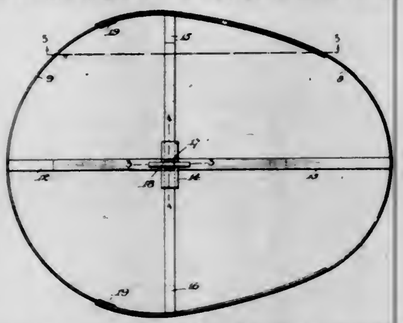


1. In a device of the character described, a support, a turn-table mounted on said support, a plurality of upwardly extending supports mounted on said turn-table, said last mentioned supports being of varying length, a spreader extending between said supports and extending beyond the same, pulleys carried upon the ends of said spreader, chains passing over said pulleys, a plurality of impellers secured to said chain, means for imparting motion from said chains to a remote point, a shaft positioned between said chains, a freely rotatable sprocket mounted on said shaft, a controlling vane rotatable on said shaft and secured to said sprocket, a vane secured to said turn-table and adapted to normally maintain said impellers toward the direction of travel of the wind, a second vane positioned at right angles to said first mentioned vane and adapted to normally have its edge presented toward the direction of travel of the wind, gears connecting said vanes so as to produce simultaneous rotation of said vanes, a sprocket connected to one of said vanes and a chain extending between said freely rotatable sprocket and said last mentioned sprocket for the purpose specified.

1,502,297. HAT TREE. GEORGE E. DOUGHTY, New York, N. Y. Filed Jan. 17, 1922. Serial No. 529,870. 6 Claims. (Cl. 223—33.)

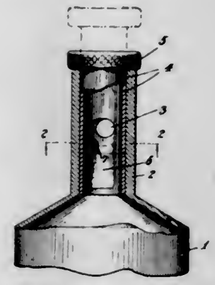
1. A device of the character described, comprising an endless band formed of a pair of opposed flexible, arched members, the open end of one member engaging within the open end of the other member, means for preventing separation of the members, said means permitting

movement of the members toward and away from each other, a frame comprising two elements crossing each other at right angles and resting one upon the other, the



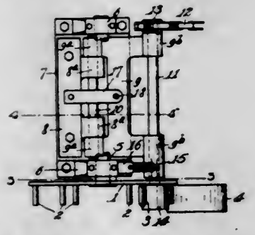
ends of the elements being secured to the band, means for varying the lengths of the elements, and means engaging the elements one with the other for securing the same together.

1,502,298. MEASURING DEVICE FOR COLLAPSIBLE TUBES. FRANK L. DYER, Montclair, N. J. Filed Sept. 28, 1921. Serial No. 503,718. 9 Claims. (Cl. 221—60.)



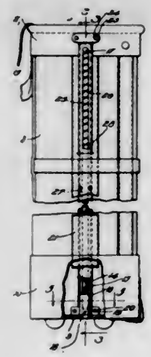
1. A collapsible tube formed with an integral tubular body having a discharge opening therein, means for uncovering and closing said opening including a plunger movable slidably and rotatably with respect to said tubular body, whereby material forced from the tube by collapsing the latter will move the plunger outwards and a reverse movement of the plunger will eject a measured quantity of material through said opening, substantially as set forth.

1,502,299. DEVICE FOR REMOVING DEFORMITIES IN COLLAPSIBLE METAL TUBES. ALONZO L. EDWARDS, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 4, 1922. Serial No. 579,605. 2 Claims. (Cl. 153—32.)



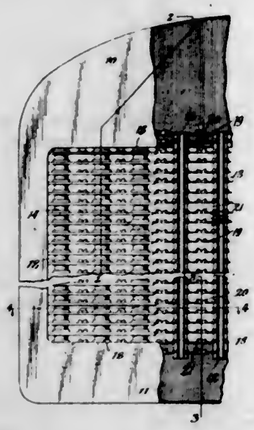
1. In a collapsible-tube coating mechanism, the combination with a base, supports carried by said base, a shaft journaled on said supports, and a carrier-disk carried by an end of said shaft, said disk having tube-carrying spindles on a face thereof, of shaft-bearings having hinged connection with said base, a shaft journaled in said bearings, a roller carried by said shaft, and yielding means normally supporting said bearings in a position in which a portion of the periphery of said roller is presented in the path of travel of tubes borne by said spindles.

1,502,300. GOLF BAG. WALTER H. FAIRCHILD, Chicago, Ill. Filed July 11, 1922. Serial No. 574,280. 4 Claims. (Cl. 150—1.5.)



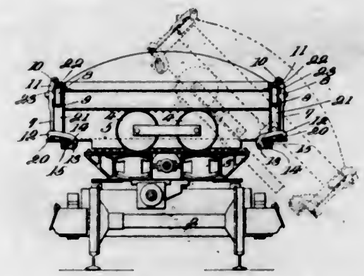
1. The combination with a golf bag, of a stake movably mounted thereon and adapted to extend beyond the bottom of the bag and into the ground to hold the bag in an upright position, and means for positively locking the stake in its extended and operative position, both when it is in and out of the ground.

1,502,301. RADIATOR. JOHN M. FEDDERS, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,520. 1 Claim. (Cl. 257—129.)



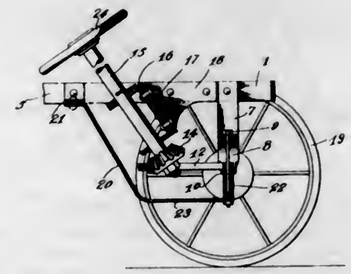
A radiator comprising a plurality of tubes, and radiating fins having a plurality of tube openings in which said tubes are fitted and a plurality of air openings between said tube openings, each of which is of almond shape with the major axis arranged fore and aft of the radiator, and a flange arranged around each of said air openings and consisting of the metal displaced from the fin by the formation of said air opening and having an irregular edge.

1,502,302. DUMP CAR. HENRY FORT FLOWERS, Findlay, Ohio. Filed June 2, 1923. Serial No. 643,110. 8 Claims. (Cl. 105—276.)



7. In a dump car, a body portion having a floor and ends and side doors, swinging brackets pivotally mounted on said body portion at points adjacent the floor of the body portion, said brackets being adapted to extend upwardly to a position above the side doors when said side doors are raised and closed, locking means for holding said brackets in raised position, brackets rigidly secured to the door and hinged to said swinging brackets at their upper ends whereby said side doors may swing about said brackets when in raised position, and means for rigidly holding said brackets and said side doors when in lowered position.

1,502,303. STEERING DEVICE FOR PEDACYCLES. JOHN S. GANKE, Wilmington, Del. Filed June 5, 1923. Serial No. 643,539. 6 Claims. (Cl. 208—114.)



1. A steering device including a frame; an axle pivoted to the frame; a gear rack fixed to the axle; a bracket fixed to the frame and having an inclined part; bearings fixed to the inclined part; a steering post journaled in the bearings, and a gear carried by the post and meshing with the gear rack.

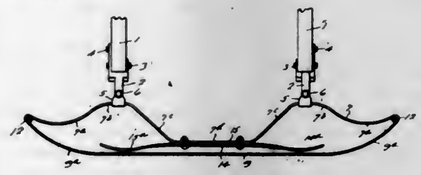
1,502,304. ART STAND LAMP. JOHN T. GAINES, Indianapolis, Ind. Filed June 12, 1922. Serial No. 567,791. 4 Claims. (Cl. 240—81.)

1. An art stand lamp including a base, a tapered column upon the base, a cap secured to the top of the column, a hollow stem secured to the cap, a hollow head secured to the stem to support a lamp, a tube extending through the base and the column and also into the stem



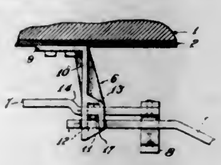
and nearly to the top of the stem, and rods arranged in the column and extending into the base and also upward nearly to the cap.

1,502,305. BUMPER. CHRISTIAN GIRL, Kalamazoo, and JOHN G. UTZ, Detroit, Mich., assignors, by direct and mesne assignments, to the C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Sept. 28, 1921. Serial No. 503,941. 18 Claims. (Cl. 293—55.)



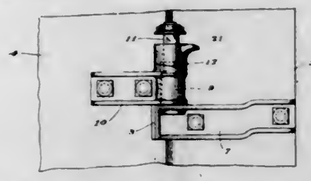
2. In a bumper, the combination of an impact section comprising a plurality of spaced yieldable members and a rear yieldable member having a portion spaced rearwardly from such members, and yieldable means carried by such portion of the said rear member and positioned to engage the corresponding portions of the front members as the latter are deflected rearwardly.

1,502,306. RELEASE RIGGING. THEODORE H. GOODNOW, Oak Park, and WILLIAM S. SCHROEDER, Chicago, Ill. Filed July 21, 1920. Serial No. 397,841. 12 Claims. (Cl. 213—164.)



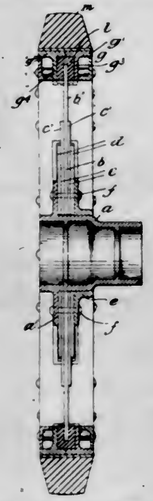
1. In a release rigging, the combination with the hand and pin levers of a lever bracket adapted to be secured to the car, the adjacent ends of said levers passing through the bracket and fulcrumed thereon, and means upon each lever co-acting with the bracket for limiting longitudinal movement of the levers.

1,502,307. DOORSTOP FOR END-DOOR AUTOMOBILE FREIGHT CARS. CHARLES HARTER, St. Louis, Mo. Filed Oct. 3, 1921. Serial No. 504,865. 2 Claims. (Cl. 16—144.)



1. A door stop for end door automobile freight cars comprising hinge members on the door and door frame positioned in different horizontal planes rotatable on a hinge pin carried by one member in line with the door hinges, and a member on the door frame hinge member adapted to be engaged by the door and limit its outward movement, and means upon the hinge pin for engaging the door hinge member in its outermost position to lock the door to the door frame member when the door engages that member, said means comprising a sleeve vertically and non-rotatably mounted on the hinge pin having a shoulder thereon and a stationary shoulder on the door frame member adapted to be engaged thereby in the open position of the door to prevent the closing of the door.

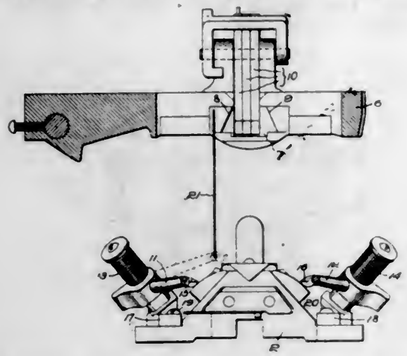
1,502,308. STEEL WHEEL. EDWARD R. HEWITT, Midvale, N. J., and AUGUST H. LEIPERT, College Point, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 4, 1923. Serial No. 610,546. 7 Claims. (Cl. 152—28.)



1. A wheel having a web built up to a plurality of juxtaposed metal sections secured together and to the hub, one of the sections extending out to the felly and the other sections being of less diameter and resilient non-metallic connecting means interposed between said first mentioned section and the felloe.

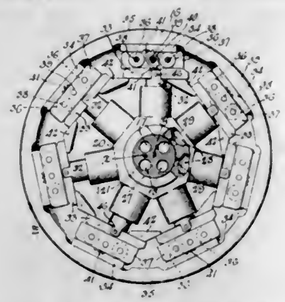
1,502,309. PICKER MOUNTING FOR CIRCULAR-KNITTING MACHINES. FRANK E. JONES, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Jan. 18, 1922. Serial No. 530,047. 7 Claims. (Cl. 66—124.)

1. In a small diameter, latch needle, circular, hosiery, knitting machine having a needle cylinder and a cam carrier the diameter of the former of which does not exceed substantially two and a quarter inches, a cam block on said cam carrier having knitting cams and a pair of narrowing pickers at opposite sides of said knitting cams, and subsidiary supporting blocks carrying said narrowing pickers for the purpose set forth, a latch



ring having a throat with bevelled edges, one or more movable yarn guides adapted to be positioned in said throat opening, the blocks for the narrowing pickers being supported in such relative position to the opening in the latch ring that each narrowing picker functions to elevate needles to the inactive level before such needles can enter the throat of the latch ring.

1,502,310. PUMP OR MOTOR. WILLIAM E. MAGIE, Beloit, and WALTER FERRIS, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Mar. 25, 1918, Serial No. 224,503. Divided and this application filed Nov. 14, 1923. Serial No. 674,640. 20 Claims. (Cl. 103—161.)



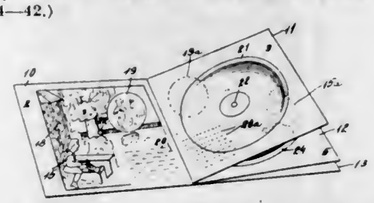
1. In a pump or motor the combination of a pintle, a radial series of piston and cylinder assemblies grouped about said pintle, a reaction member, and separate load transmitting means between said member and each of said assemblies producing a thrust upon the associated assembly substantially coincident with the axis of reciprocation thereof and thereby substantially eliminating side thrusts between the piston and cylinder of each assembly, said means comprising a reaction face on said member extending substantially normal to the axis of reciprocation of each assembly, a crosshead connected with each assembly and reciprocable substantially parallel to the associated reaction face, a set of roller elements between each crosshead and face freely movable with respect to and upon said face and crosshead during reciprocation thereof, each element of a set producing a thrust on the associated crosshead in a direction parallel to the axis of reciprocation of the associated assembly, a positioning cage for each set of elements freely movable therewith, and means for controlling the movement of said cage.

20. In a pump or motor the combination of a cylinder barrel having a radial series of cylinder bores and a central bore communicating therewith, a piston reciprocable in each cylinder bore, a crosshead associated with each piston, a reaction member, and a separate set of load transmitting roller elements between said member and crosshead operable to prevent relative rotation between said cylinder barrel and reaction member.

1,502,311. PROCESS OF TREATING LUMBER. WILLIAM H. MASON, Laurel, Miss. Filed Dec. 17, 1920. Serial No. 431,474. 8 Claims. (Cl. 99—12.)

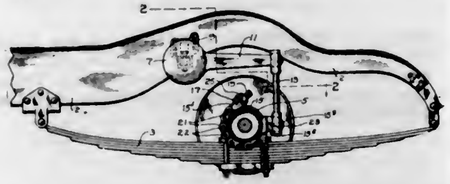
8. In the process of preserving resinous sawn lumber and producing by-products therefrom, the steps which include subjecting the lumber to heat and moisture, passing the hot softened lumber through pressure rolls whereby it is compressed to substantially less than its original thickness, subjecting it to heat and moisture whereby it is permitted to expand to substantially its original thickness, drying the expanded lumber, and collecting and saving the resinous matter separated from the lumber in the various steps of treatment.

1,502,312. MOUNTING MEANS FOR PHONOGRAPH RECORDS. RALPH MAYHEW, New York, N. Y. Filed May 3, 1917. Serial No. 166,080. 3 Claims. (Cl. 274—42.)



1. An article comprising folding leaves or sections having one or more of the same provided with a sound record disk, each leaf being provided with a perforation registering with the perforation in the sound record disk and with each other.

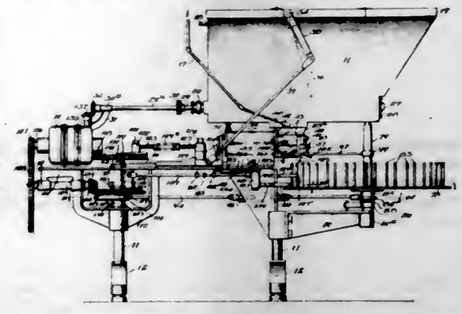
1,502,313. SHOCK-ABSORBER AXLE BRACKET. CHARLES W. MEGGENHOFEN, Indianapolis, Ind., assignor to Robert H. Hassler, Indianapolis, Ind. Filed Oct. 16, 1922. Serial No. 594,951. 6 Claims. (Cl. 267—9.)



1. An axle-attaching means for shock absorbers comprising a bracket, said bracket having a base portion adapted to partially encircle the axle, a flexible axle-clamping member adjustably attached to said base portion, and means for tightening said clamping member for holding said base portion in rigid contact with the axle.

1,502,314. ICE-CREAM-PACKAGING MACHINE. JULIUS JOHN MOJONNIER and HARLEY RAY PHILLIPS, Oak Park, and HENRI B. WARREN, deceased, late of Oak Park, Ill., by Lewis W. Warren, administrator, Oak Park, Ill., assignors to Mojonnier Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed July 13, 1922. Serial No. 574,642. 29 Claims. (Cl. 226—100.)

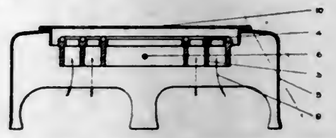
13. In apparatus of the class described, means whereby a carton may be supported and advanced to a definite position, flap controlling means for bending and holding a flap of the carton against a wall of the carton body as the carton is being advanced to said position, and auxiliary means for bearing against the same carton wall to prevent its bulging due to lateral pressure resulting from the placing of material in the carton.



17. In apparatus of the class described, the combination of a hopper, partitions dividing said hopper into compartments, said compartments having openings in their bottoms side by side, cooperating valves arranged side by side beneath said openings in position to deliver simultaneously into a single carton therebeneath, one valve being provided for each opening, similarly arranged fixed cylinders cooperating each with one of said valves, pistons reciprocable in said cylinders, said valves in one position providing communication between said compartments and cylinders and in another position between said cylinders and outlet ports above said carton, and means for simultaneously operating said valves to move them alternately into said positions.

20. In apparatus of the class described, the combination of means for advancing containers in a substantially horizontal direction to a filling point, substantially horizontal cylinders and cooperating pistons positioned above said advancing means and serving as measuring units, cooperating rotary valve means outside of said cylinders extending horizontally in the same direction as said cylinders and serving to guide the substance under distribution to and from the same, and means for operating said advancing means, pistons and valve means in definite relation to each other.

1,502,315. ELECTRICAL HEATING UTENSIL. FREDERIK JOHAN MÖLLER, Copenhagen, Denmark. Filed Mar. 20, 1922. Serial No. 545,194. 2 Claims. (Cl. 219—37.)



1. In an electric heater, a supporting structure for cooking utensils having a vertical opening therethrough to permit the passage of air, and a plurality of electrical heating elements supported in said supporting structure below the upper surface thereof and spaced one from the other whereby to permit of the passage of air therethrough.

1,502,316. GARMENT FASTENER. CHARLES A. MOSGROVE, Watertown, Conn., assignor to The Autoyre Company, Inc., a Corporation of Connecticut. Filed Feb. 6, 1924. Serial No. 690,918. 4 Claims. (Cl. 24—197.)

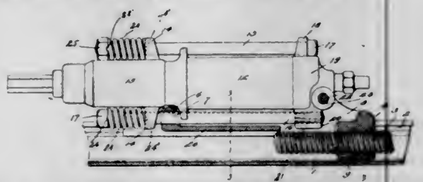
4. A garment fastener or strap comprising the combination of a slide buckle consisting of a strap loop, a button-receiving loop, and a pair of cross bars formed

integrally with the loops and lying between them, each cross bar in turn comprising a pair of opposed loops of unequal length having their proximate ends in spaced relation, the sides of the loops being spaced apart a



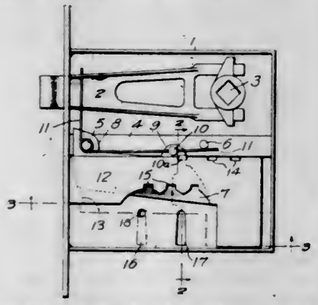
substantial distance and the positions of the loops in the two cross bars being in reversed relation, and a strap terminating in an open loop passed through the strap loop, to one side of one cross bar and around the other to enclose the latter.

1,502,317. DRILL MOUNTING. GUSTAVE M. NELL, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Filed Jan. 8, 1923. Serial No. 611,291. 2 Claims. (Cl. 255—41.)



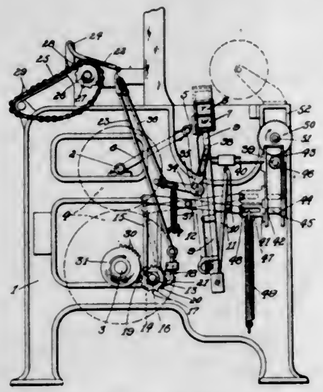
2. The combination with a drill having side rods provided with threaded ends and adapted to be applied to the drill from opposite directions to locate the threaded end of the rods, respectively, adjacent the front and rear ends of the drill, of a guide shell, a slide frame slidable thereon and having a head, said drill having a lug for alinement with said head, one of said side rods being engaged in the head and having its threaded end engaged in the lug.

1,502,318. LOCK. GEORGE RACONOVICH, Sacramento, Calif., assignor of fifteen per cent to O. G. Hopkins, Sacramento, Calif. Filed June 20, 1921. Serial No. 478,819. 1 Claim. (Cl. 70—75.)



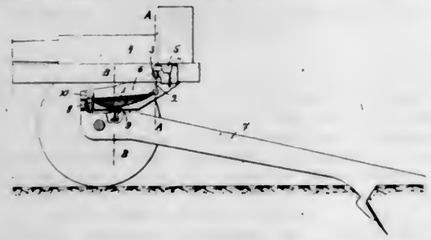
In a lock, a casing having oppositely placed key-holes, a slidable bolt, said bolt having a series of three equally spaced notches on its under side and adapted to be engaged by a key inserted through either keyhole, the keyhole in one side of the casing being offset with respect to that on the opposite side, said notched portion of the tumbler being so arranged with respect to said keyholes that when inserted through one keyhole it is adapted to engage two of said notches in succession, and when inserted through the other to engage only one of said notches, thereby throwing the bolt a greater distance when locked from one side of the door than when locked from the opposite side, the said bolt having a guard portion adapted to cover an exterior keyhole when the bolt is moved to its extreme locking position, the bolt having also notches on its upper face, three in number, a tumbler having a lug adapted to engage one of said notches in each of the three positions of the bolt, a pin carried by the tumbler, a pin fixed above the tumbler, and a spring secured at one end and passing through the tumbler pin and having its free end resting under the fixed pin.

1,502,319. WEFT-REPLENISHING LOOM. WILLIAM H. RANKIN, Waltham, and HENRY R. MARSH, Canton, Mass., assignors to Randolph Crompton, Worcester, Mass. Filed Sept. 21, 1920. Serial No. 411,788. 9 Claims. (Cl. 139—232.)



1. In a loom, the combination with a lay provided with shifting shuttle-boxes, a set of shuttles having filling-carriers with different kinds of filling, and a filling-feeder holding a plurality of filling-carriers with different kinds of filling, of means dependent upon each shifting of said shuttle boxes for turning said filling-feeder successively in the same direcetion of rotation, whereby the said feeder is always in position for the transfer therefrom of a filling-carrier having filling corresponding with that in the active shuttle.

1,502,320. EQUILIBRATING DEVICE. EMILE RIMAILHO, Paris, France, assignor to Compagnie des Forges & Acieries de la Marine & d'Homecourt, Paris, France. Filed Aug. 14, 1923. Serial No. 657,446. 4 Claims. (Cl. 89—37.)

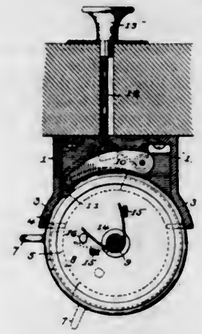


1. Piece of ordnance comprising a carriage, a cradle, a barrel placed in this crade, trunnions placed upon this cradle at the rear of the center of gravity of the whole constituting the gun-cradle, a support for these trunnions upon the said carriage, and a leaf spring maintained upon the carriage at one of its ends and connected at the other end with the cradle in order to maintain the balance of the whole about the trunnions.

1,502,321. BEARING METAL ALLOY. KARL MÜLLER and WILHELM SANDER, Essen, Germany. Filed Aug. 29, 1921. Serial No. 496,632. 3 Claims. (Cl. 75—1.)

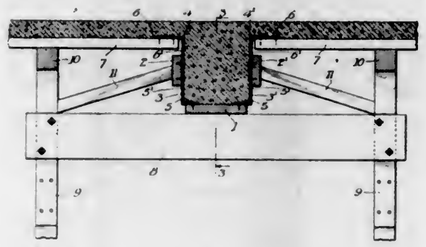
1. A bearing metal alloy comprising approximately eighty per cent of lead, the balance including antimony and tin in amounts not less than ten per cent and five per cent respectively, and approximately 0.5 per cent of phosphorus.

1,502,322. MILK-BOTTLE HOLDER. JAMES G. WELCH, North Chicago, Ill., assignor to Welch Brothers Company, North Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1923. Serial No. 668,067. 8 Claims. (Cl. 232—41.)



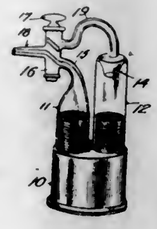
1. In a bottle holder, the combination of a fixed open front shell having a closed top web and bottom web formed with a receiving recess at front, a semi-rotary member pivoted to the top web of the aforesaid fixed shell and having a depending semi-circular wall carrying at its lower end an inturned flange, and means within said fixed shell for locking the semi-rotary member in a bottle engaging condition.

1,502,323. ADJUSTABLE MOLD FORM FOR CONCRETE BEAMS. ALBERT H. ACHER, Lake Forest, Ill. Filed Aug. 20, 1923. Serial No. 658,347. 2 Claims. (Cl. 25—131.5.)



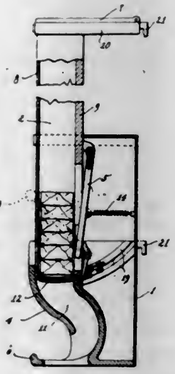
1. A mold form for casting concrete floor beams comprising bottom and side boards, and two sets of angle bars, flanges of all of which are adapted to be secured to the side boards of the mold form and to define the sides thereof, the other flanges of said sets of angle bars, respectively, being adapted to be secured to the bottom board of the mold form and to extend over and be secured to the decking on which the floor is to be laid.

1,502,324. APPARATUS FOR USE IN SAMPLING GAS FOR ANALYSIS. CAMERON VERNON BAILEY, New York, N. Y. Filed Aug. 20, 1921. Serial No. 493,941. 5 Claims. (Cl. 23—3.)



1. In an apparatus for collecting and drawing off samples of gas for analyzing or other purposes, a gas container and a reservoir communicating with each other, said reservoir having a mouth and being open to the atmosphere at one end thereof, and the gas container terminating at one end in a capillary tube, in combination with a socket having a nozzle, and means controlling communication between said nozzle and capillary tube and means to deliver from said control means to said mouth of the reservoir.

1,502,325. SANDWICH DISPENSER. GRANT ABNER BANNISTER, Bridgeport, Conn., assignor of one-half to Mary Emma Dentler, Bridgeport, Conn. Filed Feb. 20, 1922. Serial No. 537,725. 9 Claims. (Cl. 211—8.)

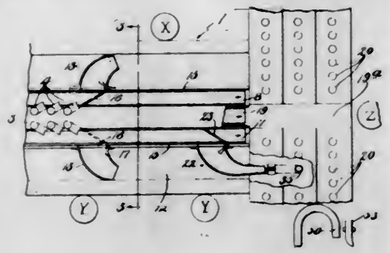


1. In a machine for dispensing compressible units, a magazine for receiving a supply of said units, suitable mechanism incorporated in said machine for dispensing one unit at a time, a member provided with a surface adapted to engage two or more units above the unit to be dispensed, said member arranged to be moved to engage the units and to slightly press them against another part of said machine to hold them and the units thereabove within said magazine while the one unit is being dispensed.

1,502,326. CARRIER DISPATCH SYSTEM. JOHN A. BAUER, Boston, Mass., assignor to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 10, 1922. Serial No. 580,883. 19 Claims. (Cl. 243—1.)

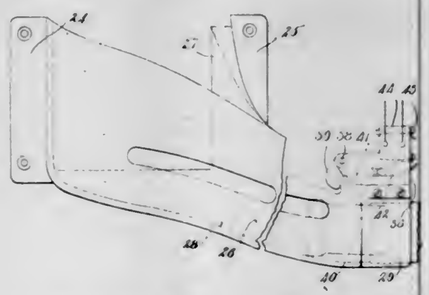
1. A carrier dispatch system comprising a central station having a bank of delivery terminals and an operator's station, means for causing all carriers discharged

from said terminals to move along a predetermined path past the operator's station, and means for conveying all carriers not previously removed from said path at said



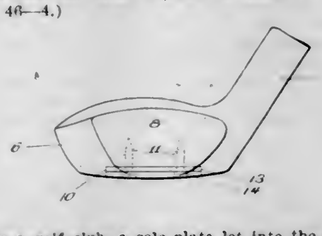
operator's station and irrespective of their respective points of origin from said path to a point remote from said station.

1,502,327. SIGNAL-ACTUATING DEVICE FOR DISPATCH SYSTEMS. JOHN A. BAUER, Boston, Mass., assignor to The Lamson Company, Syracuse, N. Y., a corporation. Original application filed Aug. 10, 1922, Serial No. 580,883. Divided and this application filed Feb. 3, 1923. Serial No. 616,766. 8 Claims. (Cl. 243—37.)



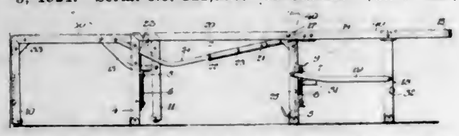
1. A carrier dispatch system having a central station comprising a trough along which carriers may move, said trough having sides gradually merging into a tubular sleeve at its delivery end, a conveyer tube secured to the delivery end of the trough for receiving carriers therefrom, and signal means adjacent to the tubular delivery end of the trough for indicating the clogging of the delivery end of the trough with carriers.

1,502,328. GOLF CLUB. WILLIAM N. BEAT, Cicero, Ill. Filed Jan. 22, 1923. Serial No. 614,176. 2 Claims. (Cl. 46—4.)



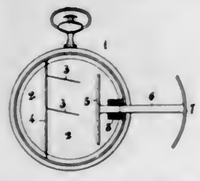
1. In a golf club, a sole plate let into the sole of the head and secured thereto, the edge portion of the plate adjacent the driving face of the head, being rabbeted, and a heavier metal strip, fitting in, and secured in said rabbeted portion of said plate.

1,502,329. BEDIVAN. PERCIVAL P. BEBRY, Brooklyn, N. Y., assignor to The Englander Spring Bed Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 5, 1921. Serial No. 512,997. 13 Claims. (Cl. 5—41.)



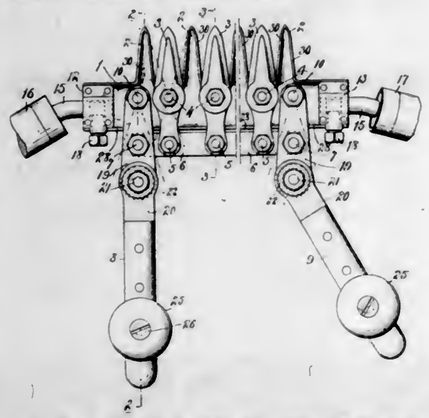
9. A bedivan comprising a main section, a sliding section, a swinging back section hinged to said main section and provided with a forwardly extending bar, means connecting said bar with the sliding section whereby the latter is shifted by the swinging back section, automatically operative locking means in position to engage said bar thereby to maintain the back in its upright position, and means for releasing said locking means from said bar.

1,502,330. ELECTROSCOPIC APPARATUS FOR TESTING THE GENUINENESS OF WOOLEN AND SILK MATERIALS. ARCIERO BERNINI, Genoa, Italy. Filed Sept. 20, 1922. Serial No. 589,385. 2 Claims. (Cl. 175—183.)



1. An apparatus for testing the genuineness of woolen and silk materials, comprising a metal case provided with two outside walls of transparent and insulating material and having the shape and size of a watch, electroscopic leaves inside said case, means for supporting said leaves, and means insulated from the said supporting means and adapted to be electrified from the outside of said case and to transmit an electric charge to the said electroscopic leaves, the said supporting means and the said other means being adjustable relative to each other.

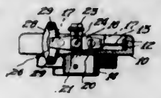
1,502,331. SHRUBBERY CLIPPER. ALFRED F. BISHOP, Audubon, N. J. Filed Aug. 3, 1922. Serial No. 579,377. 3 Claims. (Cl. 30—11.)



1. A clipper having a base bar, fixed blades upon the base bar, said blades having double cutting edges thereon, movable blades loosely pivoted upon the base bar having double cutting edges adapted to co-act with two adja-

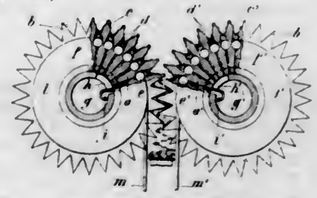
cent fixed blades, a rib upon the base bar forming a bearing surface for the movable blades tending to press the cutting edge of the movable blades against the cutting edge of the fixed blades during the cutting action, a connecting bar to which the movable blades are operably associated, and a part for reciprocating the connecting bar.

1,502,332. REPRODUCER FOR TALKING MACHINES. STUART BERTRAM BOOTY, Dulwich Hill, near Sydney, New South Wales, Australia. Filed June 7, 1922. Serial No. 566,462. 1 Claim. (Cl. 274—35.)



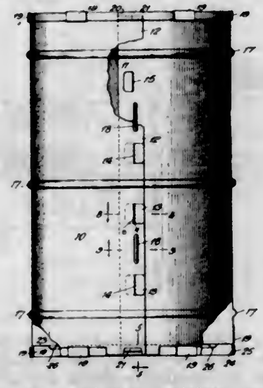
In a sound-reproducing device, a casing, a stylus bar, a platform carried by said bar, bearing members between said platform and casing, yielding means for holding one end of said platform against one of said bearing members, a spring extending transversely of and in contact with the other end of said platform for holding it against the other bearing member, and means for adjustably supporting the ends of said spring on said casing.

1,502,333. DEVICE FOR INTERFOLDING SHEETS OF PAPER. ROGER BRAUNSTEIN, Paris, France. Filed June 19, 1922. Serial No. 569,540. 3 Claims. (Cl. 270—39.)



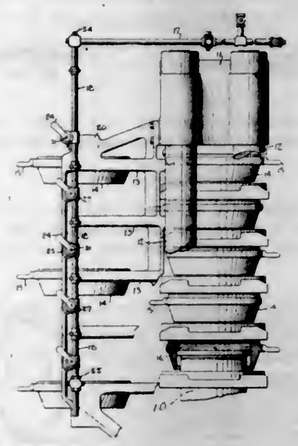
1. A machine for interfolding sheets of paper, comprising, two toothed wheels, a hollow portion in each wheel, which hollow portions are in communication with a source of vacuum, the teeth on the wheels being of V-shape to receive a sheet of paper previously folded in V form, and means connecting the peripheries of the wheels with the hollow portions.

1,502,334. KNOCKDOWN SHIPPING CONTAINER. JOHN J. CAIN, Bayonne, N. J. Filed Jan. 23, 1923. Serial No. 614,396. 7 Claims. (Cl. 220—4.)



1. A knock-down shipping container, consisting of a body portion and two head pieces having peripheral upturned flanges reversely folded to form annular channels, adapted to receive the ends of the body when set up ready for use and tongues at the ends of the body adapted to fold against the outer side wall over the upper part of and downwardly against the inner wall of the flanges of the heads to secure them to the body.

1,502,335. FILLING APPARATUS FOR PRESSES. FRED S. CARVER, East Orange, N. J. Filed Mar. 16, 1920. Serial No. 366,364. 14 Claims. (Cl. 100—50.)



1. In a press the combination of press pots movable into filling and pressing positions, and valved means for simultaneously supplying fluent material to such pots while in filling position.

9. In a press, centrally located pressing means, runways extending out on opposite sides of said pressing means, press pots adapted to be run in on said runways to pressing position and out thereon to filling position, a conduit for supplying material under pressure for filling said pots, lateral branches of said conduit extending over the pots when in filling position and provided thereat with discharge openings, valves for controlling the discharge openings, and handles for manipulating the valves extending outwardly beyond the runways.

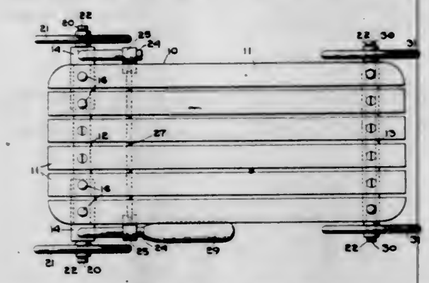
1,502,336. METHOD OF MAKING CATALYST. LUIGI CASALE, Rome, Italy, assignor to Casale Ammonia Company, Lugano, Switzerland. Filed Aug. 22, 1923. Serial No. 658,828. 4 Claims. (Cl. 23—28.)

1. A catalyst-preparing process wherein, as a purifying step, the impure mixture of oxides is subjected to a temperature so far exceeding the melting point of the mixture as to vaporize not only a considerable proportion of the useful oxides but also all elements in the nature of poisons, capable, if remaining in the ultimate product, of exercising a detrimental effect on its catalytic properties.

1,502,337. COASTER WAGON. CLARENCE E. HASS and WILLIAM R. JAMES, Chicago, Ill. Filed Dec. 18, 1920. Serial No. 431,564. 7 Claims. (Cl. 280—87.5.)

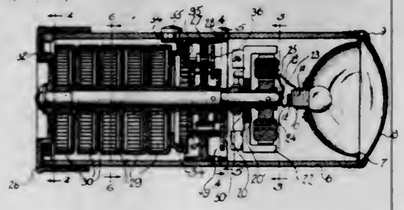
1. In a coaster, the combination with a wagon body portion, and wheels for supporting the same, of a steering mechanism including two stub axles, means for pivoting each of said axles about a separate vertical axis, means to control simultaneously and equally the movement of said axles about their pivoting axes, and a steer-

ing handle positioned adjacent one side of the wagon body portion and normally parallel thereto, said handle



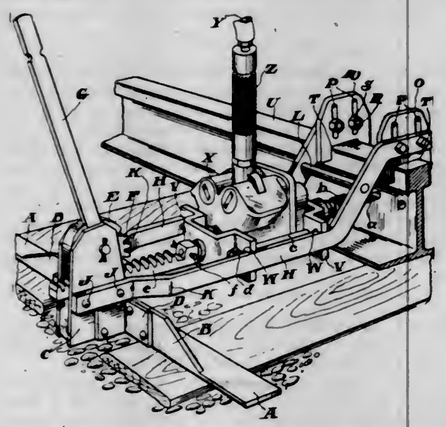
being in a lower plane than the body portion, whereby to swing beneath the latter when moved in the direction thereof.

1,502,338. PORTABLE ELECTRIC LAMP. JOHN HOLL and GALLUS E. BOETTCHER, Richardson, N. Dak. Filed Aug. 14, 1922. Serial No. 581,862. 14 Claims. (Cl. 240—8.5.)



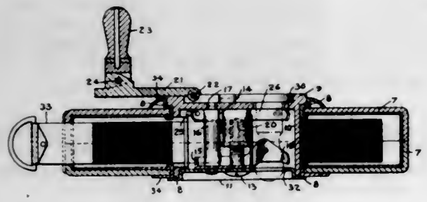
1. In a portable lamp, the combination of a case, a generator in said case, an electric lamp connected to be actuated by current from said generator, a mechanical motor for driving said generator, and a stationary shaft disposed in the case and on which the generator and mechanical motor are mounted.

1,502,339. BONDING DRILL. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 17, 1923. Serial No. 663,062. 2 Claims. (Cl. 77—8.)



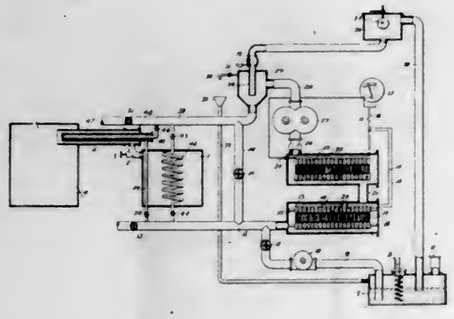
1. As an article of manufacture, a bonding drill comprising base members, a bracket connected to the base members, a sector pivoted to the bracket and provided with a plurality of gear teeth, a handle for actuating the sector, side straps connected to the bracket, adjustable plates adapted to engage a rail mounted on the outer ends of said straps for adjusting said straps vertically relative to said rail, a rotary drill slidably mounted on the side straps and a rack meshing with the teeth on the sector for moving the drill horizontally on the side straps to and from the rail.

1,502,340. TAPE REEL. WILLIE U. E. KEUFFEL, Weehawken Township, Hudson County, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a Corporation of New Jersey. Original application filed May 2, 1922, Serial No. 558,038. Divided and this application filed Apr. 14, 1923. Serial No. 632,013. 3 Claims. (Cl. 242—84.8.)



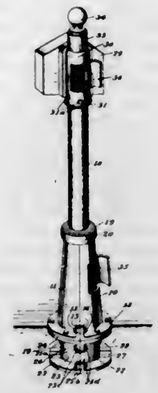
1. In a tape reel the combination with a tape case of a top and bottom plate, a tape drum rigidly secured to said plates between the same, suitable bearings in said case adapted to receive said plates for rotation, and means for retarding the rotation of said tape drum consisting of a shoe mounted under constant spring pressure in said drum and adapted to contact with one of said bearings.

1,502,341. HEATING SYSTEM. EVARTS G. LOOMIS, Newark, N. J. Filed Feb. 28, 1922. Serial No. 539,860. 14 Claims. (Cl. 219—38.)



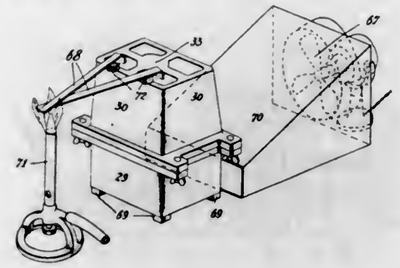
1. A heating system comprising a fluid medium circulating means, means for heating said medium, a heated supply tank for the circulating means, and an expansion reservoir connected to the system, the expansion reservoir being connected by an overflow pipe to the supply tank.

1,502,342. PEDESTAL FOR FIRE-ALARM BOXES. WILLIAM C. LUCAS, Meriden, Conn. Filed June 26, 1923. Serial No. 647,884. 8 Claims. (Cl. 189—38.)



1. In a pedestal for fire-alarm boxes, police boxes, or the like, a pair of channel members adapted to be bolted together at their bottom portions and adapted to form a closed tube, and an upwardly detachable ring for clamping the top portions of said hollow members together.

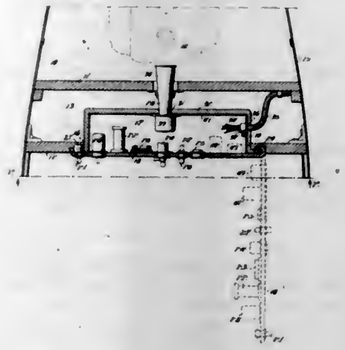
1,502,343. PROCESS AND APPARATUS FOR MAKING ELECTRICAL CONDENSERS. BYRON MACPHERSON, Roxbury, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed May 26, 1920. Serial No. 384,501. 15 Claims. (Cl. 250—41.)



1. That improvement in the process of enclosing a sheet condenser in a body of wax which consists in placing it in a receptacle substantially higher than the condenser, filling the receptacle with melted wax to a point substantially above the top of the condenser, supplying heat by means independent of the receptacle to the upper part of said body of wax, and cooling the receptacle to cause the wax to harden gradually from the bottom upwardly.

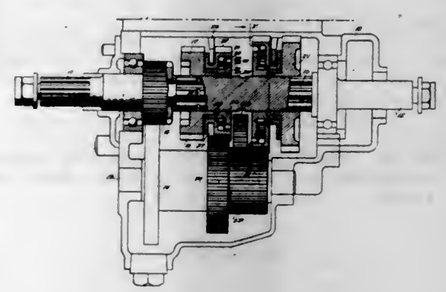
1,502,344. INSTRUMENT SAFE FOR AUTOMOTIVE VEHICLES. HOWARD J. MURRAY, New York, N. Y. Filed Jan. 12, 1921. Serial No. 436,802. 8 Claims. (Cl. 180—90.)

5. A safe adapted to be mounted on a vehicle, constituting a space-enclosing-box provided with a lockable door which when opened permits access to the interior of the safe, a vehicle instrument mounted on the inner side of the door, having its contained mechanism housed within the outlines of the safe and protected ther by from burglarous attempts to affect the same when the door is closed and locked, said door having an opening extending therethrough and said instrument including a part extending through said opening, said extending part having a functional utility in connection with the



instrument and provided with means tending to defeat attempts to gain access through the hole to the interior of the safe or to the mechanism in the instrument, said extending part being functionally accessible from the outside of the closed safe.

1,502,345. GEAR SYNCHRONIZER. HOWARD J. MURRAY, New York, N. Y. Filed Aug. 16, 1922. Serial No. 582,168. 15 Claims. (Cl. 74—58.)

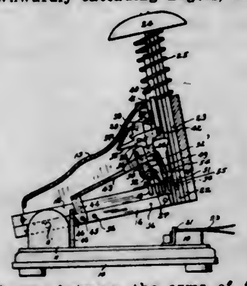


1. In a device of the class described, the combination of a pair of gears adapted to be shifted into a driving relation, one of said gears provided with a pinion constituting an element of a tooth clutch, a coacting clutch element carried by said gear provided with a gear meshing with the other of said pair of gears and provided with a coacting pinion adapted to be moved into mesh with said first named pinion and control means including a shift lever movable in one direction for causing in sequence a meshing of the pinions and then a meshing of said pair of gears.

1,502,346. STAPLE-DRIVING MACHINE. JOHN MUTH, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Nov. 10, 1921. Serial No. 514,281. 8 Claims. (Cl. 1—23.)

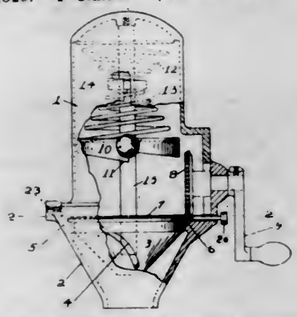
1. In a stapling machine, in combination, a staple strip carrying bar, a staple strip feeding means, a pivoted

staple straightening device above the staple strip provided with downwardly extending fingers, and means for



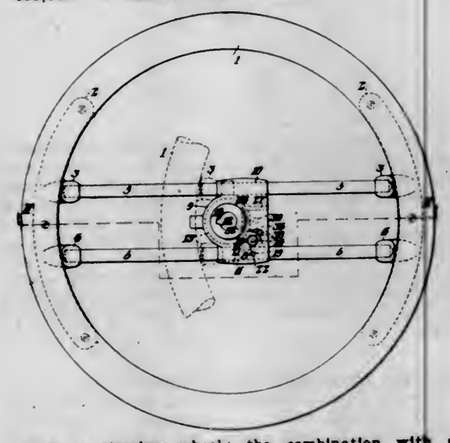
forcing said fingers between the arms of two adjacent staples to straighten the same on the strip.

1,502,347. SOAP-DISPENSING MACHINE. IVAN J. NELSON, Saginaw, Mich. Filed Sept. 24, 1923. Serial No. 664,529. 4 Claims. (Cl. 146—61.)



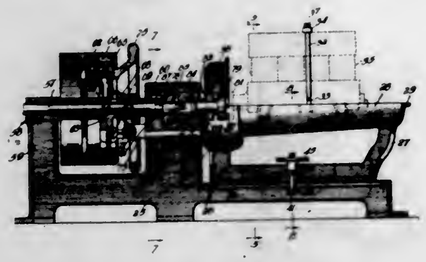
1. In a soap dispensing machine, the combination of a receptacle for the soap to be dispensed, a revolvable dished cutter receiving the soap, means for revolving said cutter and a movable latch carried by said receptacle and engaging said cutter at each revolution and means for manually releasing said latch.

1,502,348. STEERING WHEEL. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Aug. 19, 1921. Serial No. 493,631. 8 Claims. (Cl. 74—33.)



1. In a steering wheel; the combination with an annular rim; of two similar brackets mounted on said rim at diametrically opposite sides thereof; each of said brackets having, in unitary relation therewith, two cylindrical sockets; said sockets being parallel with each other in each bracket and said sockets in each bracket being in axial alinement with the sockets in the other bracket; a pair of cylindrical rods having their opposite ends respectively engaged in said brackets and extending in parallel relation with each other from side to side of said rim; one of said rods having a locking bolt recess; a hub member, having a pair of cylindrical bores extending therethrough in parallel relation with each other and respectively engaging said rods in slidable relation; said hub member having an axial bore, at right angles to the plane of said rim and arranged for presentation in coaxial relation with said rim; said hub member having means arranged to retain a steering shaft in said bore in operative relation with said hub member; said hub member having two locking plunger bores, in parallel relation with said axial bore, and a J-shaped locking plunger, arranged to reciprocate in said plunger bores, and including a locking bolt arranged to engage said locking bolt recess when the axial bore of said hub member is in concentric relation with the axis of said rim; said locking plunger having a push cap nut, normally extending above said hub member, and adapted to reciprocate in one of said plunger bores; and a helical spring encircling said plunger, within that plunger bore of said hub member, beneath said cap nut; whereby said locking plunger is normally spring pressed to engage said locking bolt recess in said rod and retain said wheel rim in concentric relation with said hub member.

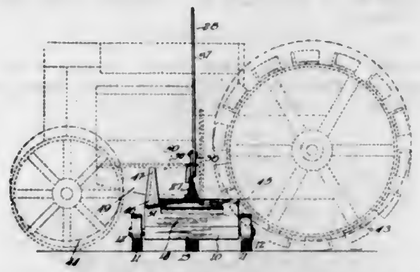
1,502,349. APPARATUS FOR USE IN ASSEMBLING, REPAIRING, AND LIMBERING GAS ENGINES OF VARIOUS TYPES. HARRY E. PATRICK, Evanston, and ANDREW J. PETERSON and JOHN W. BERMES, Chicago, Ill., assignors, by mesne assignments, to Dearborn Equipment Company, Kalamazoo, Mich., a Corporation of Michigan. Filed Mar. 5, 1919. Serial No. 280,740. 10 Claims. (Cl. 29—89.5.)



1. Apparatus of the character described comprising a base having a low work-supporting table with a longitudinally open top, a machine head on the base at one end of the table, a power-delivering shaft at an elevated position in said head and equipped for rotative union with the crank shaft of a motor, a holder for the latter removably mounted upon the table, and clamping means for securing the holder to the table at differing longitudinal adjustments as permitted by the aforesaid opening in the top of the table.

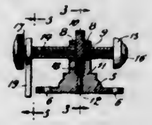
1,502,350. TRUCK JACK. HARRY E. PATRICK, Evanston, and ANDREW J. PETERSON and JOHN W. BERMES, Chicago, Ill., assignors, by mesne assignments, to Dearborn Equipment Company, Kalamazoo, Mich., a Corporation of Michigan. Filed Oct. 27, 1919. Serial No. 333,682. 6 Claims. (Cl. 254—5.)

1. An apparatus of the character described comprising truck base, a table mounted thereon with provisions for elevating it through relative movement between it and the truck base, a holder resting upon and



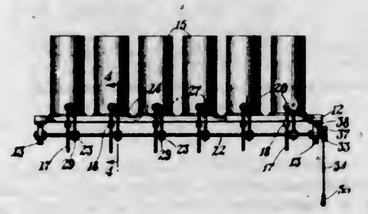
straddling said table, and operating means for effecting the aforesaid relative movement between the table and the truck base.

1,502,351. SASH FASTENER. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 31, 1922. Serial No. 532,907. 17 Claims. (Cl. 292—251.)



1. In a device of the character described, the combination with a base secured to a member, of a rotatable bolt associated with said base and adapted to engage a second member and a clutch member for locking said bolt against movement.

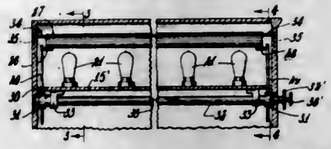
1,502,352. SHAMPOO LIQUID FOUNTAIN FOR HAIRDRESSING PARLORS. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,286. 3 Claims. (Cl. 221—67.)



2. An apparatus of the type described comprising a number of containers, pipe lengths projecting therefrom and having valves thereon, and a unitary means for controlling said valves, said means including a rock shaft formed with sockets and short longitudinal slots angularly spaced from said sockets, collars freely surrounding said shaft, arms on said collars, arms on said valves having a slot and pin connection with the first arms, and screws in said collars adapted to engage either in said sockets or in said longitudinal slots.

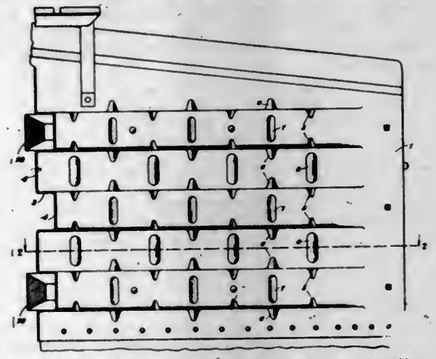
1,502,353. MEANS FOR ILLUMINATING BOOTHS. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,287. 3 Claims. (Cl. 240—4.)

1. In a device of the class described, a pair of booths, a partition separating said booths, a lamp on said partition, and a reflector adapted to be adjusted to either reflect the light equally into both booths, or mainly



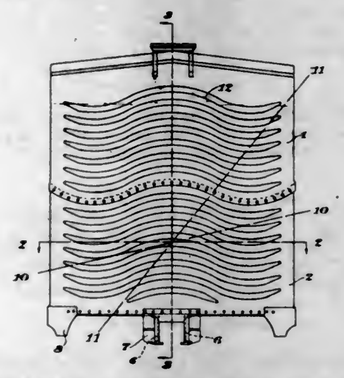
into one booth, said reflector comprising a pair of members hinged together at one side, and engaging guide elements at their opposed sides.

1,502,354. CORRUGATED METAL END STRUCTURE FOR CARS. VINTON E. SISSON, Chicago, Ill., assignor to Walter P. Murphy, Chicago, Ill. Filed Oct. 1, 1920. Serial No. 414,058. 9 Claims. (Cl. 105—410.)



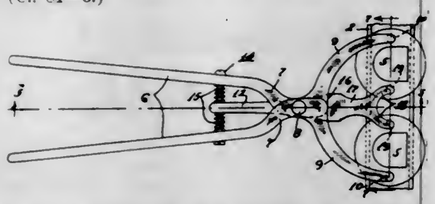
1. A metal panel for car ends having a plurality of reinforcing corrugations formed therein, said corrugations formed with wall members and wall connecting portions, and substantially triangular reinforcing ribs connecting said wall members and wall connecting portions.

1,502,355. CORRUGATED WALL PLATE. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 9, 1922. Serial No. 605,931. 6 Claims. (Cl. 105—410.)



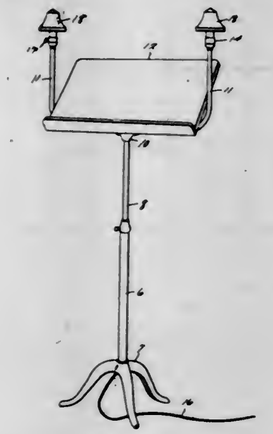
1. In a wall for railway cars, a metallic plate having a plurality of corrugations formed therein extending from opposite edges of the plate, said corrugations deflected from a straight line whereby any straight line drawn across the plate crosses one corrugation at least twice or crosses at least two corrugations.

1,502,356. TONGS. AUGUST J. SMITH, Chicago, Ill. Filed Feb. 27, 1922. Serial No. 539,795. 8 Claims. (Cl. 81—3.)



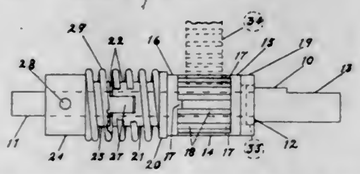
2. Tongs comprising three pivotally mounted clamping members disposed in substantially the same plane, and gripping pins formed on each of said members.

1,502,357. MUSIC STAND AND LIGHT SUPPORT. EDWARD J. SMITH, Cleveland, Ohio, assignor to Mrs. Mary E. Smith, Cleveland, Ohio. Filed Sept. 1, 1921, Serial No. 497,584. Renewed June 9, 1924. 4 Claims. (Cl. 240—4.)



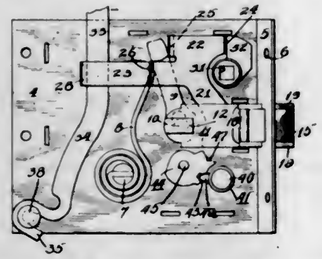
1. The combination with a music stand, of means to illuminate the same by direct and indirect rays, comprising lamps at opposite sides of the head of the stand, each of said lamps being provided with a shade having an inner reflecting surface and a bottom having an opening located in the line of direct rays from the lamp to the middle portion of the head of the stand.

1,502,358. AUTOMATIC SAFETY CLUTCH. OSCAR E. STOKES, Streator, Ill. Filed Jan. 4, 1923. Serial No. 610,734. 8 Claims. (Cl. 64—106.)



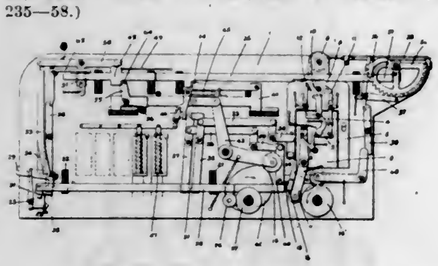
1. The combination with a shaft, a collar mounted on the shaft, a pin passing through the shaft and securing the collar against rotation, spaced apart collars rotatably mounted on the shaft, a gear intermediate the rotatable collars, studs carried by the rotatable collars and lying between the teeth of the gear, a sleeve clutch comprising coacting portions, flanges integral with the sleeve clutch portions, one of the sleeve clutch portions being adapted to have longitudinal movement on the shaft, and a spring supported by the sleeve clutch and adapted to force one of the flanges into engagement with one of the collars.

1,502,359. VEHICLE DOOR LOCK. BAYARD E. TAYLOR, Oak Park, Ill. Filed May 18, 1921. Serial No. 470,643. 11 Claims. (Cl. 292—173.)



1. A vehicle door lock comprising a latch bolt, a wedge member, an arm pivotally mounted on said wedge member and engaging said latch bolt, a spring engaging said arm for impelling said latch bolt and said wedge member outwardly into latching position, a handle for retracting the latch bolt and wedge member against the action of said spring, and a lever adapted to be removably inserted into said lock when the latch bolt is retracted to afford a means for operating the latch bolt and said wedge independently of said handle.

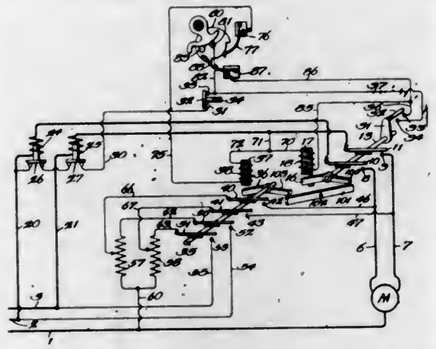
1,502,360. PRINTING TABULATING MACHINE. HEINRICH TOLLE, Villingen, Baden, Germany, assignor to Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin, Germany, a German Corporation. Filed May 18, 1923. Serial No. 639,832. 8 Claims. (Cl. 235—58.)



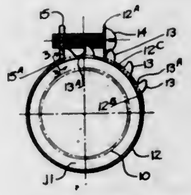
1. A tabulating machine provided with reciprocating racks, adding mechanism, and printing devices, and including in combination a plurality of actuating devices for the racks, one of said devices including reciprocating latches which are adapted to be coupled with the racks for a particular setting, another of said devices including pusher bars which actuate the racks only when the said racks are disengaged from the reciprocating latches.

1,502,361. MOTOR STARTER. HERMON L. VAN VALKENBURG and FRANCIS W. MAGIN, Milwaukee, Wis., assignors to Industrial Controller Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 5, 1920. Serial No. 349,576. 2 Claims. (Cl. 172—289.)

1. A motor starter having a starting switch for energizing the motor during the starting period, a running switch, said switches being biased toward open position and having electromagnetic coils for closing them, and a time controlled element for controlling said coils, said time controlled element having a rotating disc adapted to make a complete rotation each time the device is operated, said disc having a long contact extending over a considerable number of degrees, and a momentary contact, the long contact being adapted to close the circuit through the coil of the starting switch, and a maintaining switch adapted to maintain the circuit through the coil of the running switch, the momentary contact being adapted to energize the coil of the running switch to close it, and the maintaining switch being mechanically connected to the running switch to be closed by it at the same time that the running switch is closed.



1,502,362. CLAMP. MARIE VITEK, Maywood, Ill. Filed Sept. 6, 1921. Serial No. 498,809. 3 Claims. (Cl. 24—19.)



1. A clamp comprising a flexible band having a tightening member at one end thereof, a nut for said tightening member, a plurality of pairs of separated prongs on the other end of said band and so constructed and arranged to receive between them and guide the end carrying the tightening member, said nut adapted to engage said pairs of prongs for locking engagement therewith.

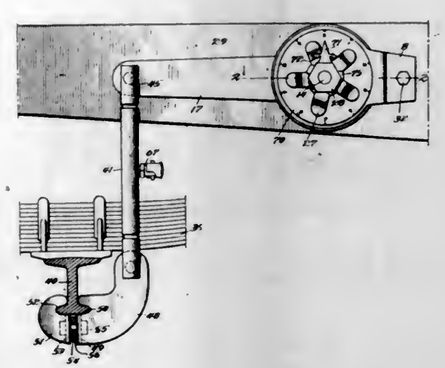
1,502,363. VALVE SPRING. JOHANN HEINRICH HERMANN VOSS, New York, N. Y. Filed Feb. 17, 1922. Serial No. 537,346. 1 Claim. (Cl. 251—144.)



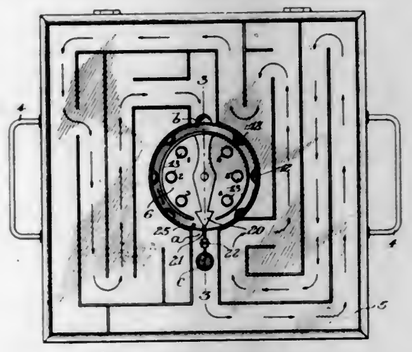
As a new article of manufacture, an undulated valve spring formed of a straight wire coil.

1,502,364. SHOCK ABSORBER. ARTHUR WATERMAN, East Orange, N. J., assignor to Edward V. Hartford, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 7, 1922. Serial No. 534,679. 12 Claims. (Cl. 188—130.)

1. A shock absorber for vehicles having spring supporting means, comprising inner and outer superposed discs, the outer discs being relatively non-rotatable, a member formed to be rigidly secured to a part of the vehicle and provided with a portion adapted to pass through said discs to maintain the same in axial alinement, means for rendering said outer discs non-rotatable relative to said vehicle part, a tensioning device for maintaining all of said discs in frictional contact, and means of connection between an inner disc and another part of the vehicle whereby the relative movement of the vehicle parts will be controlled by said device.



1,502,365. GAME OF SKILL. BERTRAM E. WILSON, Rochester, N. Y., assignor of one-half to John R. Haupenthal, Rochester, N. Y. Filed Jan. 20, 1923. Serial No. 613,955. 18 Claims. (Cl. 161—17.)

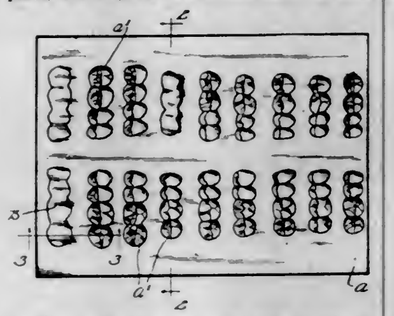


1. A game comprising a board having starting and finishing points, an object movable over the board from the starting to the finishing points, and means operating automatically to indicate the time required for the object to travel from the starting to the finishing point.

1,502,366. DIE PLATE FOR DENTAL BRIDGEWORK. JAMES A. WRIGHT, Chicago, Ill. Filed Feb. 9, 1922. Serial No. 535,185. 1 Claim. (Cl. 32—6.)

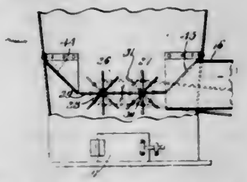
As a new article of manufacture, a die for dental work comprising a die plate, the upper surface of which is formed into a plurality of apertures, said apertures each conforming to the shape of a plurality of adjacent molars positioned substantially as in the human jaw, the die

plate being formed with a plurality of such apertures graduated as to size, said apertures being aligned along said plate, the impressions of the teeth on one side of



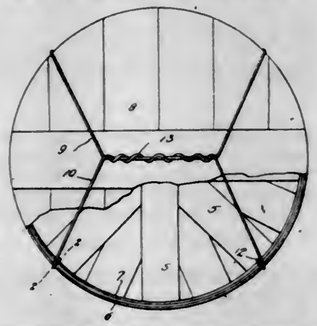
the jaw being aligned along one side of the plate and those of the other side of the jaw being aligned along the other side of the plate.

1,502,367. MATTRESS-FILLING MACHINE WITH DOUBLE ROTARY BEATER. PHILLIP BAKER, Malden, Mass. Filed July 28, 1922. Serial No. 578,218. 1 Claim. (Cl. 226—43.)



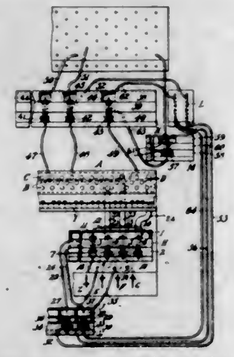
A machine for filling mattresses and the like having, in combination, a receptacle for filling material, a circulating fan, intake and return pipes connecting said fan to said receptacle and a pair of rotary beater elements, each of said beater elements comprising a rotary shaft and a plurality of radial arms thereon, said shafts lying in approximately the same horizontal plane, and a pair of oppositely disposed downwardly inclined chutes positioned on opposite sides respectively of said receptacle and terminating at their lower ends adjacent the outer ends of said rotary beater elements and approximately in said horizontal plane.

1,502,368. BASKET-COVER FASTENER. ARTHUR D. BIGGS, South Bend, Ind. Filed Sept. 27, 1923. Serial No. 665,055. 4 Claims. (Cl. 217—122.)



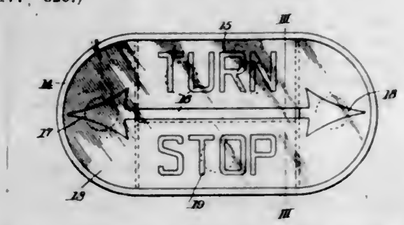
1. In combination with a basket having inner and outer hoops at the upper portion thereof and a cover disposed upon the hoops with the edge of the cover flush with the outer surface of the outer hoop, means for fastening the cover in place comprising a pair of substantially complemental U-shaped wire members having their central portions twisted together at the center of the cover and arranged with the legs thereof extending outwardly, the free ends of the legs of said members being interlocked with said hoops beneath the margin of the cover.

1,502,369. WIND MUSICAL INSTRUMENT. CHARLES F. BRINDLEY, Sheffield, England. Filed Aug. 15, 1921. Serial No. 492,452. 4 Claims. (Cl. 84—344.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



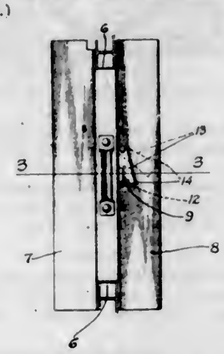
4. A wind instrument comprising a clavier, a plurality of tone departments, a stop knob for the individual members of the tone departments, a plurality of transition controllers, means between the tone departments and one of the transition controllers whereby when the latter is operated the operation of a stop for one tone department will put out of operation the previously operated tone department and connections to the other transition controllers whereby when one of the latter controllers is operated, all other tone departments are rendered inoperative and all of the individual members of its corresponding department, whose stops are operated, are rendered operative.

1,502,370. TRAFFIC-MOVEMENT INDICATOR FOR VEHICLES. EDWIN E. BULLARD, Fresno, Calif. Filed Feb. 7, 1922. Serial No. 534,668. 4 Claims. (Cl. 177—329.)



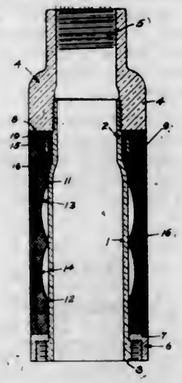
4. The combination with a signal box having a plurality of compartments, of a face plate covering said compartments and bearing a double headed arrow and the word "Turn," the heads of said arrow pointing in opposite directions and overlying different compartments, the stem of the arrow and the word "Turn" both overlying another compartment, an electric lamp in each of the compartments which the heads of the arrow overlie, two electric lamps in the compartment which the word "Turn" and the stem of the arrow overlie, a switch arm, an electric circuit including said switch arm, one of the lamps in the compartment which the word "Turn" and the stem of the arrow overlie, and the lamp in the compartment which one of the arrow heads overlies, a contact in said circuit to be engaged by said switch arm when the latter is swung in one direction for simultaneously illuminating one of the lamps in the compartment which the word "Turn" and the stem of the arrow overlie and the lamp in the compartment which one of the arrow heads overlies, another electric circuit including the switch arm, the other one of the lamps in the compartment which the word "Turn" and the stem of the arrow overlie, and the lamp in the compartment which the other one of the arrow heads overlies, and a contact in the latter circuit to be engaged by said switch arm when the latter is swung in the opposite direction for simultaneously illuminating said other lamp in the compartment which the word "Turn" and the stem of the arrow overlie and said lamp in the compartment which the other arrow head overlies.

1,502,371. MASON'S TOOL. OTTO W. L. BUSS, Minneapolis, Minn., assignor to Buss Metal Window Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 15, 1923. Serial No. 680,891. 5 Claims. (Cl. 25—131.)



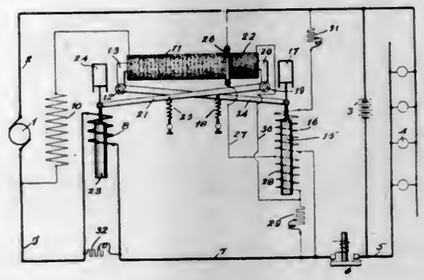
5. A mason's tool having a recess to receive a frame member and providing surfaces extending from each side of the recess to act as a form for emplacement of the frame member in masonry whereby a predetermined portion of the frame member may be embedded, one of said tool surfaces having an aperture therethrough to receive a projection of a frame member, and a locking device mounted on the tool and adapted releasably to lock said projection in said aperture.

1,502,372. PACKER. JAMES T. CALLANAN, Jr., Parkersburg, W. Va., assignor to Parkersburg Machine Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed July 10, 1922. Serial No. 574,063. 4 Claims. (Cl. 166—10.)



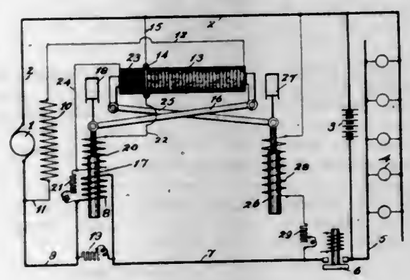
1. In a well packer, relatively movable members and a sleeve of expansible material confined between said members having a fabric reinforcement capable of circumferential expansion and but slight elongation.

1,502,373. ELECTRIC REGULATION. JOHN L. CREVELING, White Plains, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Nov. 1, 1916, Serial No. 128,825. Renewed May 12, 1924. 17 Claims. (Cl. 171—229.)



1. The combination with a generator and a regulating element by manipulation of which the generator may be regulated, of means for operating said element to regulate the generator to compensate for speed changes responsive to voltage fluctuations, and means comprising a shunt coil magnetically cooperating with the voltage responsive means to operate said element to regulate the generator to compensate for speed changes independently of the voltage fluctuations.

1,502,374. ELECTRIC REGULATION. JOHN L. CREVELING, Tucson, Ariz., assignor to Gould Coupler Company, a Corporation of New York. Filed July 29, 1919, Serial No. 313,991. Renewed May 12, 1924. 11 Claims. (Cl. 171—229.)

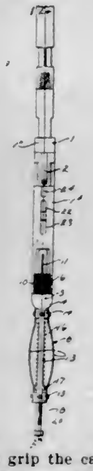


1. Means for regulating a generator comprehending a regulating element, means for affecting said element in response to current fluctuations, means for usurping the function of the current responsive means, and voltage responsive means for controlling said usurping means and regulating the generator.

1,502,375. CASING PERFORATOR. ROLAND R. CRUM, Whittier, Calif. Filed Feb. 14, 1923. Serial No. 618,919. 13 Claims. (Cl. 81—195.)

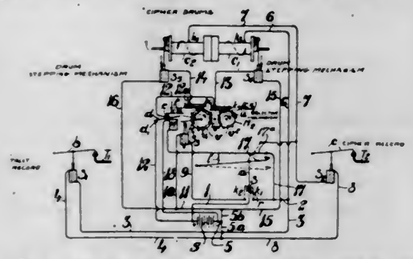
1. In a casing perforator, the combination of a body, a perforator tool carried thereby, said body comprising two relatively movable members, a holding device carried by the body and operating to support itself within the casing, anchoring means for one of said relatively movable members controlled through the agency of the hold-

ing device, said relatively movable members constructed so as to cooperate when given a down jar to actuate



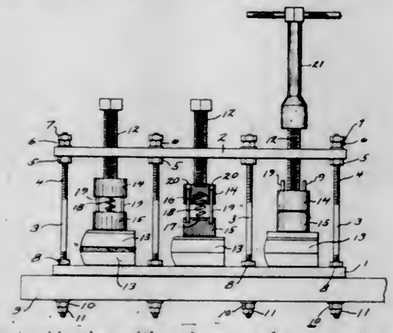
the anchoring means to grip the casing, and means operating by the relative movement of said body members to each other to actuate the perforator tool.

1,502,376. PRODUCTION OF CIPHERS. ARVID GERHARD DAMM, Ronninge, Sweden. Filed Apr. 2, 1920. Serial No. 370,708. 11 Claims. (Cl. 35—13.)



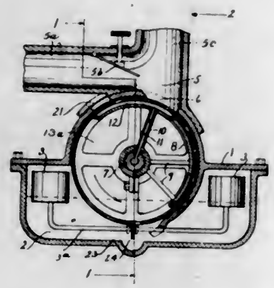
1. In a machine for producing cipher, means corresponding to two series of contacts arranged opposite to one another, means to cause the stepwise movement of said contacts relatively to one another, mechanism to cause the interruption of the stepwise movement of either or both of said series of contacts.

1,502,377. DENTAL FLASK PRESS. FRANK P. DAVIES, Rock Island, Ill. Filed Mar. 12, 1923. Serial No. 624,480. 1 Claim. (Cl. 18—33.)



In combination with a frame, and compression screw therein, a tension device, adapted to be interposed between said screw and a flask contained in said frame, comprising a pair of spaced blocks and extensible spring centrally thereof, one of said blocks being fitted with guide-ways and the other block with pins slidable therein.

1,502,378. CARBURETOR. HERMAN C. DREIS, near San Jose, Calif. Filed July 5, 1921. Serial No. 482,538. 4 Claims. (Cl. 261—92.)



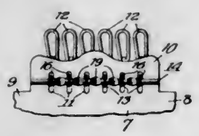
1. In a carburetor, a revoluble two-part drum provided with interlocking fingers, means for changing the relative position of the two parts to form pockets between said fingers, means for filling said pockets with fuel, and means for retaining the fuel in said pockets during a portion of the revolution of said drum.

1,502,379. MANUFACTURE OF CELLULOSE DERIVATIVES. HENRY DREYFUS, London, England. Filed Apr. 25, 1921. Serial No. 464,387. 11 Claims. (Cl. 260—152.)

1. Process for the manufacture of cellulosic derivatives characterized by the introduction into the cellulosic molecule of at least one group derived from halogen substitution products of polyhydric alcohols.

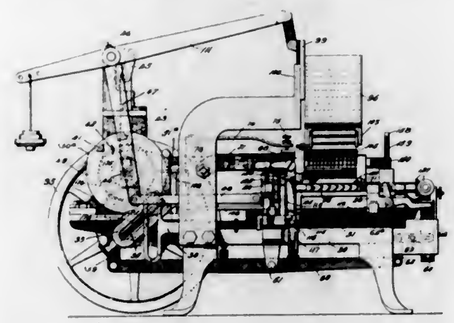
8. Process for the manufacture of cellulosic derivatives according to claim 1, characterized in that cellulosic bodies are treated in presence of alkali with halogen substitution products of polyhydric alcohols, for the purpose of forming corresponding cellulose ethers by combination of hydroxyl hydrogen of the cellulosic body with halogen of the halogen substitution product, the total amount of water employed in the etherification, disregarding water formed in the reaction itself, being not greater than from about the natural humidity content of the cellulosic body up to about four times the weight of the dry cellulosic body, and the total amount of alkali employed in etherification being a total quantity which would represent an aqueous solution of between 50 and about 95 per cent. if it were dissolved in said total quantity of water, the etherifying reaction being performed in presence of an organic diluent not liable to undergo etherification.

1,502,380. KEY CASE. NATHAN EISEMAN, Chicago, Ill., assignor to Eiseman, Kaye Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1923. Serial No. 666,003. 3 Claims. (Cl. 150—40.)



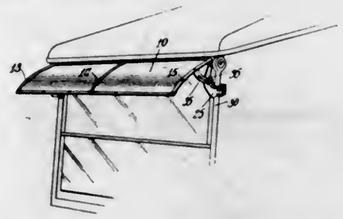
1. A key-case of the character described provided with a key-carrying flap-extension provided with slots at intervals and folded upon and secured to the inner face of the case-back, a pintle extending through and confined in said folded flap, and hooks having on their stems rings surrounding the pintle and projecting through said slots, said stems having flexible-joint connections with the rings, rendering the hooks rotatable on their own axes.

1,502,381. ENGRAVING MACHINE. CHARLES H. FIELD, Providence, R. I. Filed June 23, 1921. Serial No. 479,903. 36 Claims. (Cl. 29—24.3.)



29. In an engraving machine, a work-support, an engraving tool, means for producing a relative longitudinal movement of said tool and work, a series of pattern bars for obtaining a lateral movement of the tool relative to the work, independent means for producing a vertical movement of the tool during its movement across the face of the work whereby different figures may be produced at intervals along the length of the work, and means for automatically varying the longitudinal position of the bar to vary the relative position of the figures.

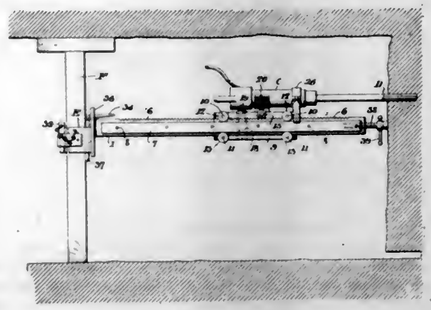
1,502,382. WEATHER SHIELD AND GLARE VISOR. OWEN E. GRIGSBY, Park Ridge, Ill., assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1922. Serial No. 600,701. 5 Claims. (Cl. 296—95.)



1. A weather shield and glare visor for automobiles comprising a visor member, a bracket at each end of the visor for attachment to wind shield uprights, each bracket comprising an upright member having an attaching clamp at its lower end, a horizontal shaft reversibly secured to the upper end of the bracket, and pivotal supports for the shaft attached to the visor to permit adjustable insertion of the shaft with the bracket either beneath the visor or beyond the outer end thereof.

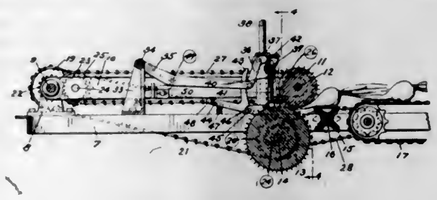
1,502,383. SUPPORT FOR DRILLS. PIETRO GUERRINI and LUIGI ZACCARIA, Nokomis, Ill. Filed Apr. 19, 1923. Serial No. 633,185. 7 Claims. (Cl. 255—51.)

1. A drill support comprising an open rectangular member, track rails on the outer sides of said member, rack teeth on one edge of each of the sides of said member, a carriage fitting within said member and travelling longitudinally thereof, upper and lower sets of wheels



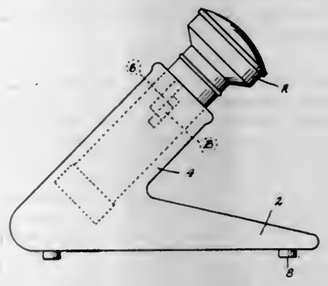
supported by the carriage and running on both edges of the track rails, and pinions supported by said carriage and engaging said rack teeth.

1,502,384. BEET-TOPPING MACHINE. OLE C. HANSON, Hopkins, Minn. Filed May 11, 1923. Serial No. 638,211. 15 Claims. (Cl. 146—85.)



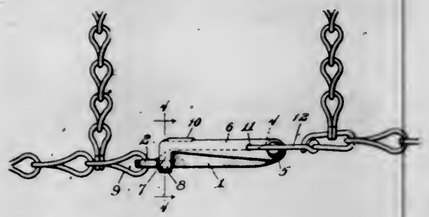
1. The combination in a topping machine, of a main frame, an auxiliary frame pivotally mounted at one end to the main frame, a roller at the other end of the auxiliary frame, a second roller mounted in the main frame for engagement with the first mentioned roller, a knife movable to and from the second roller, means operative by the auxiliary frame for raising the knife, and means for dropping the knife upon lowering of the auxiliary frame.

1,502,385. FLASH-LIGHT SUPPORT. JOHN HAUENSTEIN, Kansas City, Mo. Filed Aug. 25, 1923. Serial No. 659,242. 1 Claim. (Cl. 240—52.)



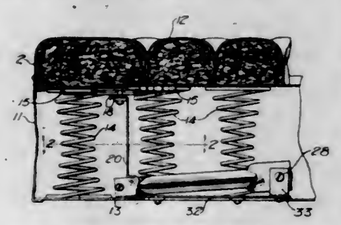
In a device of the character described a base, a socket extending obliquely from said base and adapted to support a flash-light, and an L-shaped slot within the socket to receive and coact with the flash light switch in holding the flash-light in the socket.

1,502,386. CHAIN FASTENER. ELMER L. HILL, Rapelje, Mont. Filed June 14, 1923. Serial No. 645,400. 3 Claims. (Cl. 24—242.)



1. A fastener of the class described comprising an elongated member provided with an inwardly facing hook at one end, a lever pivotally engaged with the opposite end to engage one of the members to be connected to the member and of a length to closely approach the hook when the lever is in substantially overlying relation with respect to the member, the second member being substantially permanently connected direct with the lever at a point outwardly of the pivotal connection between the lever and member, the outer end portion of the lever being provided with a laterally disposed arm terminating in an inwardly facing hook, said hook of the arm straddling or bridging a marginal portion of the member when the lever and member are substantially in over-lying relation, the opposite marginal portion of the member being provided with a cam surface with which the hook member of the arm engages to permit said hook of the arm to pass over the member.

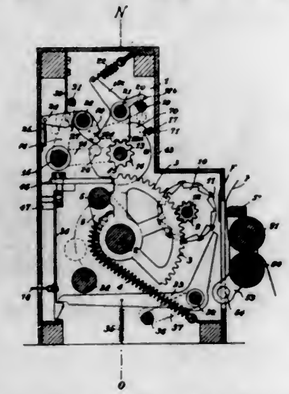
1,502,387. CUSHION. JOSEPH N. KELMAN and JOHN H. KELMAN, Los Angeles, Calif. Filed Jan. 16, 1922. Serial No. 529,471. 14 Claims. (Cl. 267—9.)



1. A shock absorber for use within a cushion and comprising: parallel members in the form of side bars wholly within said cushion; a friction block sliding in said members; and elastic means for causing said members to engage said block to increase the friction as said block travels from one end of said members to the other end of said members.

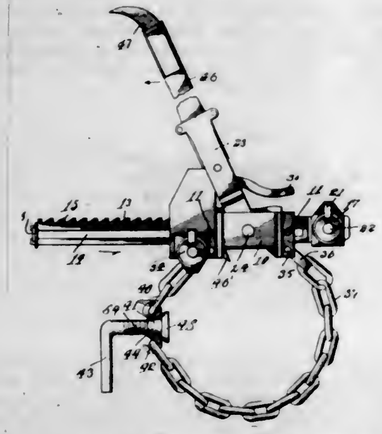
1,502,388. ADDING MACHINE. MARTIN LEBEIS, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Filed Mar. 19, 1923. Serial No. 626,171. 3 Claims. (Cl. 235—58.)

2. A machine for adding items expressed by perforations made in a card, comprising a series of spring-pressed setting sectors, a series of type wheels provided with eleven spaces of which one is empty, said type wheels being geared to the sectors so as to be set thereby and so that the empty space is normally in the printing position, a bar supporting the sectors so as to prevent them normally from moving, means for retracting the bar so as to allow the sectors to move forwards, means for returning the bar and the sectors to the initial position, card-controlled means for arresting the movement of the sectors and of the type wheels in accordance with the number to be set up, card-controlled means for preventing all movement of sectors and type wheels in front of the first significant figure, a totalizing counter comprising a series of numeral wheels, means for gearing said numeral wheels to the sectors during the return movement so as to perform the addition, means for transferring the tens, means for gearing the numeral wheels to the sectors during the



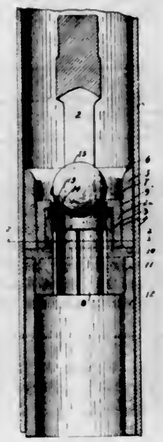
forward movement when the total is to be printed so as to receive motion therefrom in the reverse direction, means for stopping the backward motion of the numeral wheels when they arrive in the zero position so that the type wheels will be set for printing the total, and means for taking prints from the type wheels after each setting.

1,502,389. WIRE STRETCHER. GEORGE A. LOVATT, Boulder, Wyo. Filed Aug. 17, 1922. Serial No. 582,448. 1 Claim. (Cl. 254—71.)



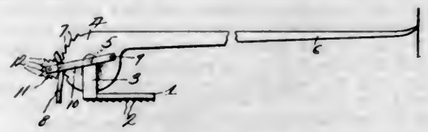
A tool comprising a body including a pair of spaced parallel sections, a pair of spaced parallel guide plates disposed in the body, an operating lever including an inner yoke shaped end fitted between the sections of the body and the guide plates, means pivotally securing the lever to the plates and the sections of the body, transversely extending guide pins arranged across the body connecting the sections thereof together, a rack bar slidably mounted in the body between the guide plates having a longitudinally extending slot therein for receiving the guide pins, means carried by the lever for moving the rack bar in a step-by-step movement in the body, and wire clamping means carried respectively by the body and rack bar.

1,502,390. PUMP. GEORGE E. MCCRACKEN, San Jose, Calif. Filed Jan. 19, 1924. Serial No. 687,242. 1 Claim. (Cl. 103—225.)



A structure of the character indicated, comprising a cage having an annular exteriorly and interiorly threaded portion, a nut having a ball valve arranged thereon and carrying an outwardly extending annular flange threaded into said cage portion, a sleeve threaded on to said cage portion and having substantially the same outer diameter as said flange, and a sleeve threaded on to said nut in alignment with said first mentioned sleeve.

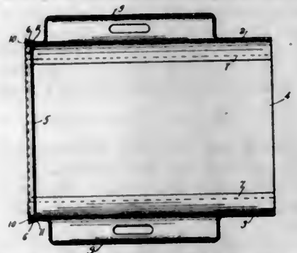
1,502,391. SPIKE PULLER. JOHN O. MCPHERSON, Renton, Wash. Filed Dec. 21, 1923. Serial No. 682,015. 3 Claims. (Cl. 254—22.)



1. A spike pulling device comprising a base, upwardly extending spaced arms at the forward end of said base, a disc pivotally mounted between the arms, a tangential handle member carried by said disc, a plurality of concentrically arranged teeth carried by the periphery of the disc at its forward side, arms pivoted to the disc at opposite sides thereof and rearwardly of the pivotal point of the disc and disposed outside of the upwardly extending spaced arm, said pivoted arms extending forwardly of the disc, and a toothed wheel pivotally mounted between the pivoted arms forwardly of the disc.

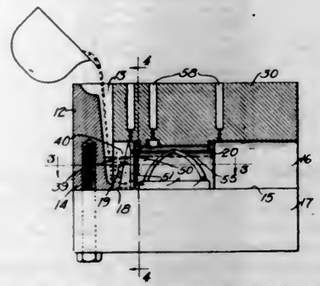
1,502,392. OVEN FOR ELECTRIC RANGES. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Mar. 24, 1924. Serial No. 701,405. 1 Claim. (Cl. 126—19.)

In an oven for electric ranges, top and bottom sheets having rounded lateral ends, lateral sheets connecting the top and bottom sheets by having offset upper and lower edges overlapping the edges of the rounded lateral ends of the top and bottom sheets, the said rounded ends and lateral sheets being upon a common plane and thus providing an even inner surface to the side walls of the oven, said top and bottom sheets having offset rear edges and said lateral sheets having offset rear edges, a rear frame structure inserted between the offset ends of the top and bottom sheets and the offset ends of the lateral sheets and provided with a peripherical flange at the outer edge



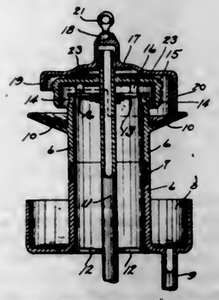
thereof abutting against said ends of the top, bottom and lateral sheets, and a rear sheet provided with an outwardly directed peripherical flange inserted within said frame structure, substantially as described.

1,502,393. DIE FOR CASTING BEARING LINERS. JOHN L. MORRIS, Los Angeles, Calif. Filed Sept. 7, 1921, Serial No. 498,078. Renewed May 5, 1924. 1 Claim. (Cl. 22—134.)



A die for forming hollow semi-cylindrical objects comprising walls forming a cavity having the shape of the desired object, the axial plane defining the edges of the semi-cylindrical object being substantially horizontal; and walls forming a vertical channel extending from said plane upwardly through the top of the mould, the substance of the mould being cut away to provide an open communication between said vertical column and the end of said cavity, the openings between said channel and said cavity extending from a point in said plane to a point at or near the highest point of said cavity.

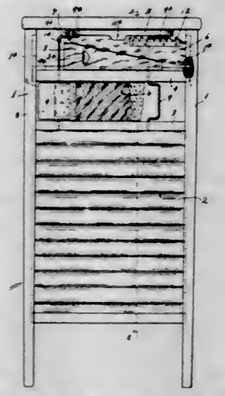
1,502,394. HYDROCARBON BURNER. MORRIS B. MOSER, Wells, Minn. Filed Dec. 11, 1922. Serial No. 606,092. 2 Claims. (Cl. 158—53.)



1. A hydro-carbon burner comprising an air intake stack, a stack cap spaced above and surrounding the upper end of said stack, of a deflecting cap located above said

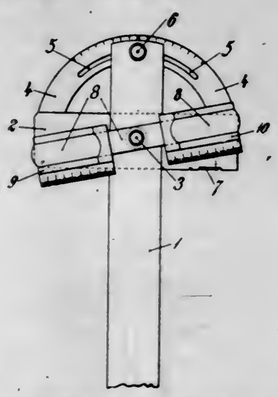
stack cap, and a fuel feed pipe extended upward through said stack and stack cap and delivering into the deflecting cap, said stack below said cap having an outstanding deflecting flange and said deflecting cap having a depending flange which, throughout a portion of a circle, terminates high above the deflecting flange of said stack and which throughout the remaining portion of the circle extends downward substantially to said deflecting flange.

1,502,395. SOAP HOLDER FOR WASHBOARDS. MARY J. MURPHY, St. Paul, and OLIVE SANDBANK and WILLIAM SANDBANK, New York Mills, Minn. Filed Apr. 17, 1922. Serial No. 554,068. 7 Claims. (Cl. 68—29.)



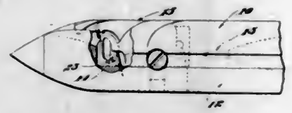
4. A washboard having a rubbing surface and a soap receptacle, a movable bottom in said receptacle, a pair of spaced movable members supporting said bottom rotatable about axes extending longitudinally of said board and a locking means for said members for holding the same and said bottom member in various adjusted positions.

1,502,396. T-SQUARE. JAN NEUMANN, Kromeriz, Czechoslovakia. Filed Aug. 20, 1923. Serial No. 658,469. 1 Claim. (Cl. 33—99.)



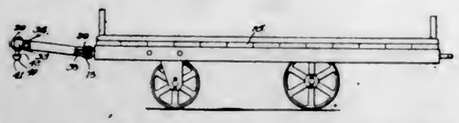
A T square comprising a head and a principal blade, a screw holding the two elements together so that they can be set at different angles relative to one another, a supplementary blade, and two graduated slides fitted on said supplementary blade so that they can be used for guiding the latter along the principal blade and maintaining the supplementary blade at right angles thereto, the principal blade being formed with an aperture whereby it can be normally connected to said screw.

1,502,397. SELF-THREADING SHUTTLE. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1919. Serial No. 333,879. 2 Claims. (Cl. 139—223.)



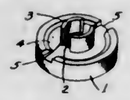
1. A self-threading shuttle having, in combination, a body portion provided with a delivery eye, a thread block having a depending horn and a thickened beak adjacent to the horn and provided with a short depending thickened tip, the beak and horn being constructed and arranged to engage the thread on the first pick of the shuttle and to retain it against upward motion.

1,502,398. VEHICLE. FRANK J. REICHMANN, Chicago, Ill. Filed Jan. 28, 1921. Serial No. 440,627. 14 Claims. (Cl. 280—33.2.)



1. In a vehicle, the combination of its body and draft-rigging thereon comprising a rod extending lengthwise of the vehicle for connection at one end, adjacent one end of the vehicle, with another vehicle and movable lengthwise thereof, a plurality of rods spaced apart and extending lengthwise of the vehicle and movable lengthwise thereof, said last-referred-to rods being provided for connection adjacent the other end of the vehicle carrying them, with another vehicle, a cross-piece connected with said last-referred-to rods and through which said first-referred-to rod extends a yoke-shaped bar connected at its end portions with the structure formed of said plurality of rods and said cross-piece and through which said first-referred-to rod extends, and a spring through the medium of which draft on said plurality of rods is communicated to the body of the vehicle.

1,502,399. RIVETABLE NUT. HAROLD G. RENNER, Detroit, Mich. Filed May 14, 1923. Serial No. 638,714. 5 Claims. (Cl. 151—21.)

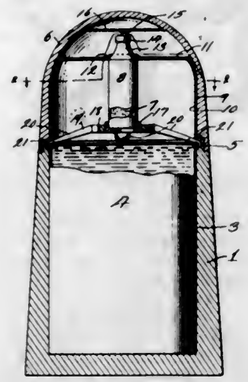


1. The combination with a member formed of sheet material and having an opening, of a nut having a threaded bore and having integral projections from one of its end faces at opposite sides of said bore, passing through said opening and bent to overlap the margin of said opening, and means restraining said nut from rotation relative to said material.

1,502,400. INFLAMMABLE SHELL. HENRY SAFFORD, Little Rock, Ark. Filed Jan. 25, 1924. Serial No. 688,487. 3 Claims. (Cl. 102—29.)

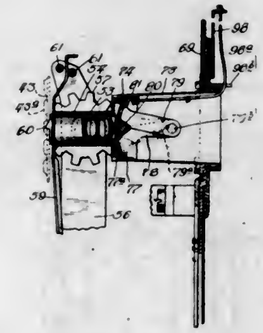
1. An inflammable shell comprising a base having a chamber therein, a cap threaded on said base, a liquid container disposed within the chamber of the base, a spider adjacent the forward end of the liquid container

and having diverging radial arms, the outer ends of said arms being disposed in recesses in the wall of the chamber of the base, an adjustable bushing axially disposed in the spider, a bursting charge container having its inner end mounted in the adjustable bushing,



the outer end of the bursting charge container being tapered and mounted in a tapered opening of a support, a cap carried by the outer end of the bursting charge container and a firing pin carried by the threaded cap in registration with the bursting charge container cap.

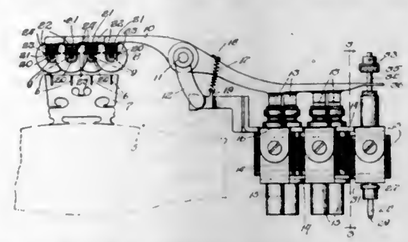
1,502,401. MOTION-PICTURE CAMERA. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 10, 1921, Serial No. 491,156. Divided and this application filed July 14, 1922. Serial No. 574,910. 15 Claims. (Cl. 88—16.8.)



1. In a moving picture machine, in combination, a lens cell, a weighted shutter intercepting the lens and movably secured thereto, and means for reciprocating the lens cell whereby the inertia of the shutter causes it to move with relation to the lens.

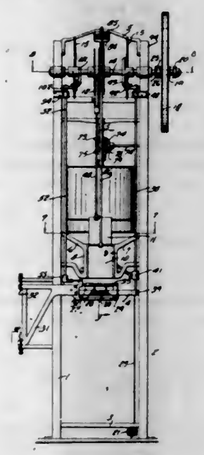
1,502,402. SELF-PLAYING MUSICAL INSTRUMENT. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,195. 3 Claims. (Cl. 84—11.)

1. In a self-playing musical instrument of the viol class, a plurality of rotating sounders corresponding with the strings of the instrument, a lever for bringing each of said sounders into engagement with its string, an electromagnetic device for actuating each of said



levers to effect such engagement, and an electromagnetic device operative to retract said levers to effect complete disengagement of the sounders from their strings.

1,502,403. CIGAR-BUNCH MACHINE. JOHN SEGEDY, Brooklyn, N. Y., assignor to Morris Kraus, New York, N. Y. Filed May 21, 1923. Serial No. 640,426. 9 Claims. (Cl. 131—42.)

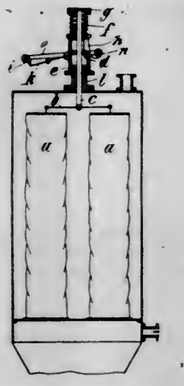


9. A cigar bunch machine comprising a rotatably mounted shaft, a double sector, provided with gear teeth, rigidly mounted on said shaft, a vertical shaft, a sector provided with gear teeth, rigidly mounted on the upper end of said shaft, with said gear teeth in the path of movement of the gear teeth on said double sector, and said double sector arranged to move the gear teeth thereon successively into engagement with the gear teeth on said sector on said vertical shaft, and means to return said vertical shaft to and yieldingly maintain it in its initial position, in combination with a plurality of cam members rigidly mounted on said shaft, a funnel, a pivoted arm, a connection between said funnel and said arm, and a projection on said connection positioned in the path of movement of said plurality of cam members, all arranged so that the movements of said vertical shaft and said funnel are in timed relation.

1,502,404. ARRANGEMENT FOR CLEANING FILTERS OF FABRIC. GOTTHILF SEITZ, Frankfort-on-the-Main, Germany. Filed Mar. 13, 1924. Serial No. 698,990. 4 Claims. (Cl. 183—44.)

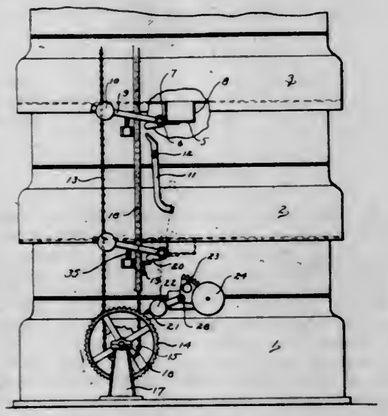
4. In combination with a fabric filter, a cleaning device comprising a rod secured at one end to a plurality of filter bags; an abutment fixed on said rod; a sleeve

slidably mounted on said rod; a spring provided on the free end of said rod and adapted to abut at one end on said sleeve; a pawl on said sleeve adapted to abut on said abutment on the rod to secure said sleeve in



a locked position; and means operative to raise said sleeve against the force of said spring into said locked position, and then to release said sleeve to allow said filter bags to drop whereby said bags will be raised by the action of the spring.

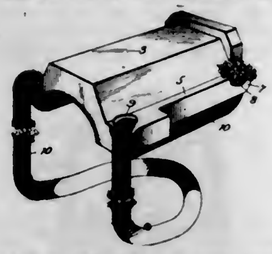
1,502,405. PROCESS AND APPARATUS FOR CHARGING COOKERS. ORLANDO SHEPPARD, Jr., Atlanta, Ga., and RUSSELL A. TRACE, Dayton, Ohio, assignors to Buckeye Iron & Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 28, 1921. Serial No. 456,454. 8 Claims. (Cl. 87—6.)



1. In a cooker, means for cooking oil bearing material, means for loading and unloading said cooker, an alarm and means actuated by said loading and unloading means for operating said alarm at predetermined intervals of time of its operation to indicate the unloading of the cooker.

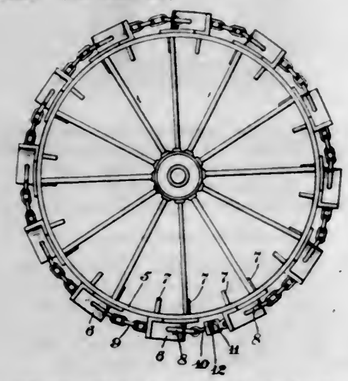
1,502,406. LUBRICATOR. GEORGE P. SIMMONS, Herkimer, N. Y., assignor to Horrocks Desk Company, Herkimer, N. Y., a Corporation of New York. Filed May 23, 1921. Serial No. 471,699. 3 Claims. (Cl. 64—24.)

1. A brass for use in car journal boxes having on opposite sides and near its ends, brackets or holders adapted to receive and hold a wick but to leave the same fully exposed on its outer side in the space be-



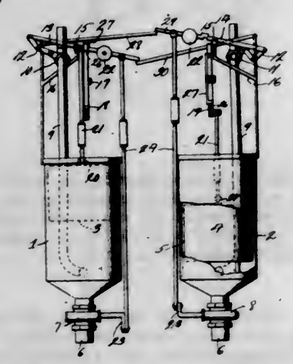
tween the brackets, said brackets being formed integral with the brass.

1,502,407. TRACTION DEVICE. WAYNE L. SMITH, Columbus, Ohio. Filed Dec. 4, 1923. Serial No. 678,376. 4 Claims. (Cl. 301—44.)



2. A traction device for the wheel of a tractor, comprising, in combination, a series of cleats each having a pin for engaging the wheel rim and a chain upon which said cleats are strung composed of elongated eyebolts slidingly engaged with the cleats, and links connecting the eyebolts.

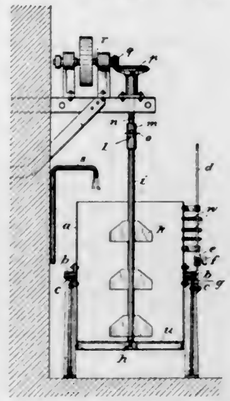
1,502,408. LIQUID MEASURER AND CAN FILLER. WILLIAM ELIAS SORENSEN, New Orleans, La. Filed Aug. 21, 1923. Serial No. 658,574. 2 Claims. (Cl. 73—28.)



1. A liquid dispensing device comprising adjacent receptacles, floats disposed within said receptacles, intake and discharge valves in connection with the receptacles, and float controlled mechanism in connection with each

receptacle and cooperating whereby fluid will be intermittently taken in and discharged from the receptacles, said means comprising rotatable discs and levers controlled by the discs and cooperating with each other.

1,502,409. DEVICE FOR NEUTRALIZING PICKLED NOURISHMENTS AND FODDER. ROBERT SPEIDEL, Calmbach, Wildbad, Germany. Filed May 15, 1922. Serial No. 561,075. 8 Claims. (Cl. 99—2.)



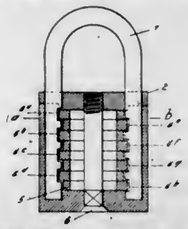
1. An apparatus for neutralizing pickled nutriments and fodder, consisting of a cylindrical vessel, an agitating device arranged therein, means for supplying fresh water at the top of the vessel, a water outlet in the bottom of the vessel, a sieve above the main bottom of the vessel, means for swinging said vessel about a horizontal axis, and means for driving the agitating device.

1,502,410. AUXILIARY AIR-INTAKE MECHANISM. HARRY TEEGAN, Des Moines, Iowa. Filed May 23, 1921. Serial No. 471,828. 2 Claims. (Cl. 251—87.)



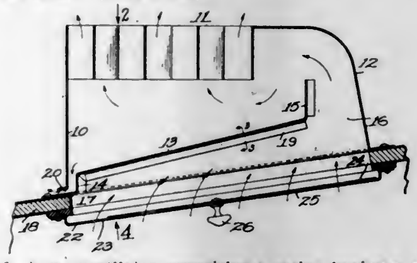
1. In a device of the class described, a valve chamber formed with three ports, one of said ports being adapted to admit atmospheric air and the other to admit a liquid to said chamber, the third of said ports being connected to an air supply pipe, and a rotary valve member formed with an arcuate channel adapted to form communicating means selectively between said third port and the other two.

1,502,411. COMBINATION LOCK. ERNEST TOBLER, Braunschweig, Germany. Filed Nov. 2, 1922. Serial No. 598,648. 1 Claim. (Cl. 70—113.)



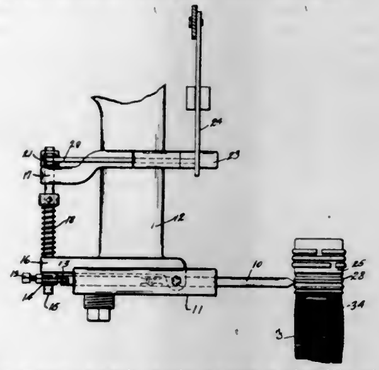
A combination padlock of the character described, comprising a U-shaped shackle having notched limbs, the notches of one limb being staggered relative to those of the other limb, a casing having bores in which to receive the limbs of the shackle, and a plurality of superposed rings arranged rotatably in said casing so as to encroach on the bores and engage the notches of the shackle limbs, each ring having an elongated notch which registers with the full portion of one limb so as to allow a partial rotation of the ring through the notch in the opposite shackle limb, the ring having also a notch which, in one end position of the ring, registers with said latter limb so as to allow the shackle to move.

1,502,412. CAR VENTILATOR. CHARLES H. TURNER, Worcester, Mass., assignor to Osgood Bradley Car Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1921. Serial No. 492,044. 4 Claims. (Cl. 98—22.)



1. A car ventilator comprising a casing having a grid-like portion and an imperforate portion in its outer face and having an opening in the inner face in part aligned with said grid-like portion, a baffle plate between said grid-like portion and said opening providing an air passage around one end of said plate from the inner to the outer parts of said casing at the imperforate portion and means to control the flow of air through said opening.

1,502,413. WEFT-DETECTING MECHANISM. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1922. Serial No. 556,618. 9 Claims. (Cl. 139—269.)

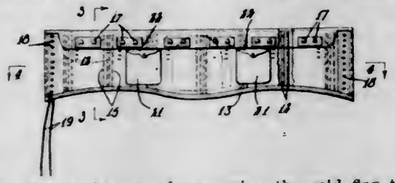


1. In a loom, a weft carrier having a plurality of axially movable elements mounted thereon, such movement being restrained by a sufficient supply of weft on the weft carrier, and a weft detector engaging said elements and effective to indicate weft exhaustion upon axial concentric separation of said elements in the path of said detector.

1,502,414. CONCEALED TROUSER-SUPPORTING BELT. JOHN WASHUK, Detroit, Mich. Filed Apr. 15, 1922, Serial No. 552,953. Renewed May 5, 1924. 5 Claims. (Cl. 241—9.)

1. A concealed trouser supporting belt comprising a fabric formed with pockets, stays in said pockets adjust-

able in length, a flap extending along the upper edge of said fabric and adapted to be folded over the tops of the



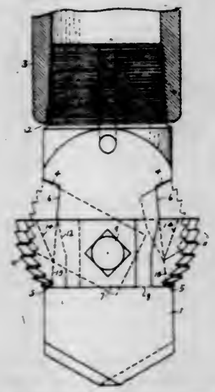
said stays, and means for securing the said flap to the body of the fabric in vertically adjusted positions, for the purpose specified.

1,502,415. ARTIFICIAL LEG. CHESTER B. WINN, Buffalo, N. Y. Filed Jan. 5, 1924. Serial No. 684,530. 5 Claims. (Cl. 3—11.)



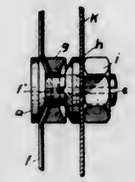
1. An artificial leg, comprising a thigh section, a lower leg section, a knee journal pivotally connecting said sections, said leg section having a guide adjacent to its rear side, a suspender, and a controlling member connected to the suspender and looped around said guide and said knee-journal to slide freely thereon.

1,502,416. FISHING TOOL. JAMES S. ABERCROMBIE, Houston, Tex. Filed Jan. 28, 1921. Serial No. 440,764. 5 Claims. (Cl. 294—95.)



1. A fishing tool including a supporting member, pipe engaging dogs pivoted thereto and projecting in opposite directions beyond said member, said projecting ends having overturned flanges formed with grooves which receive the edges of said member.

1,502,417. WIRE AND ROPE CLAMP. KARL ARNSTEIN, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Filed Oct. 23, 1922. Serial No. 596,488. 5 Claims. (Cl. 24—135.)



1. A clamping device for wires, and the like, comprising a member having a surface of convex spherical curvature adapted to have a wire or the like pass over it in any direction; a second member having a surface of concave spherical curvature adapted to press said wire or the like against said first member; and means for forcing said members and surfaces toward each other, the said surfaces thereby deflecting and clamping said wire or the like.

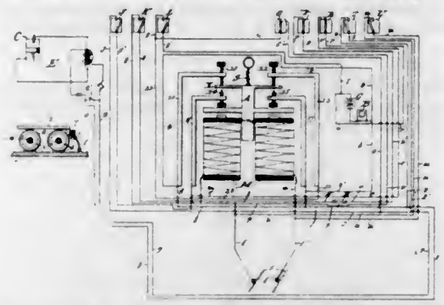
1,502,418. WIRE AND ROPE CLAMPING DEVICE. KARL ARNSTEIN, Friedrichshafen-on-the-Bodensee, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Original application filed Oct. 23, 1922, Serial No. 596,488. Divided and this application filed Apr. 16, 1924. Serial No. 706,856. 2 Claims. (Cl. 24—135.)

1. Clamping and coupling device for wires, ropes and the like, comprising in combination, two substantially disc-shaped coupling members, convex surfaces on each disc with two oppositely disposed concave recesses, the convex portions of each disc fitting in the concave recesses of the other disc, a central gap between the convex portions of each disc and means for clamping said discs together.

1,502,419. SIGNAL SYSTEM FOR RAILWAY CARS. AVERY E. BLAYLOCK, Little Rock, Ark. Filed May 13, 1921. Serial No. 469,379. 2 Claims. (Cl. 246—66.)

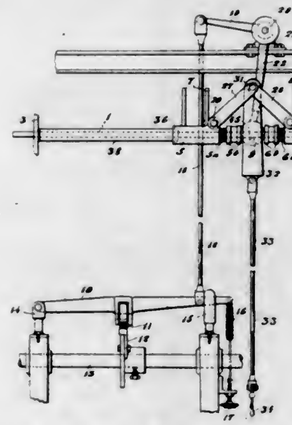
1. In association with an electrical block rail system, the combination of a motor driven vehicle having a motor circuit, the wheels of said vehicle that contact one rail being insulated from the wheels that contact the other rail, and a safety device comprising an electrical alarm

and a control device, said control device being operated by the short circuiting of the rails and comprising cir-



cuit making and breaking elements adapted to close the alarm circuit and open the motor circuit upon said short circuiting of the rails.

1,502,420. CHANGE-SPEED BELT GEARING. GEORGE HIGHFIELD BROWN, Market Harborough, England. Filed Oct. 12, 1923. Serial No. 668,210. 5 Claims. (Cl. 64—4.)



1. Change speed belt gearing, comprising, in combination, two sets of fast and loose pulleys on a countershaft or equivalent member, and arranged to give different speeds thereto, a movable belt fork for controlling the driving belt of each set, means yieldingly connecting the belt forks so that they form a unit, and can be moved simultaneously to change the drive from one fast pulley to the other, a device operable from a cam to move said units in pre-arranged manner to automatically determine which fast pulley is to be driven, and means common to both felt forks and operable at will whereby the fork controlling the belt from which the drive is at the time being taken can be moved relatively to the other fork for the purpose of stopping and starting the countershaft or member.

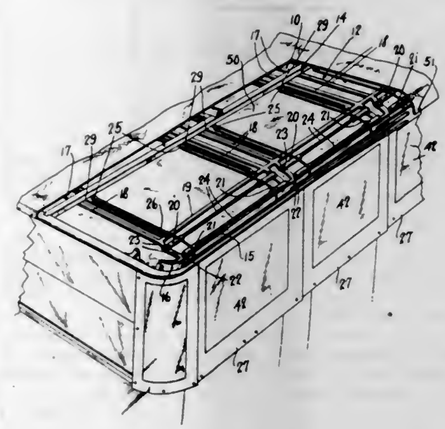
1,502,421. ENAMEL OPACIFYING COMPOSITION AND PROCESS OF MAKING THE SAME. HUGH SPENCER COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed Mar. 29, 1921. Serial No. 456,742. 7 Claims. (Cl. 106—36.2.)

1. Process of treating naturally occurring zirconium silicate to produce an enamel opacifier, which comprises wet-milling the material to a condition of extreme fineness, treating the milled material with an acid and then washing, drying, and strongly igniting the material.

1,502,422. ZIRCONIUM CONTAINING COMPOSITION AND PROCESS OF MAKING THE SAME. HUGH S. COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed Aug. 10, 1921. Serial No. 491,300. 18 Claims. (Cl. 106—36.2.)

1. Process of treating zirconium silicate, which comprises wet-milling the silicate to a condition of extreme fineness, reacting upon the milled material with concentrated sulphuric acid, and removing residual acid and substances rendered soluble thereby.

1,502,423. AUTOMOBILE CURTAIN AND TOP. BENJAMIN H. COZINE, Louisville, Ky. Filed Dec. 19, 1919. Serial No. 345,923. 6 Claims. (Cl. 296—140.)



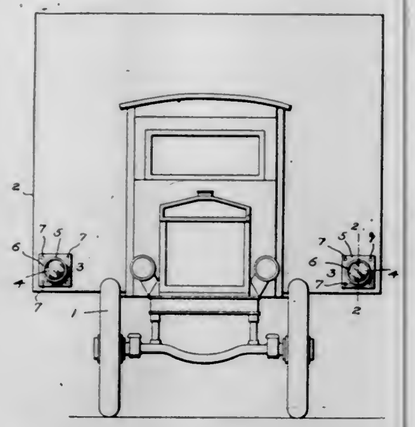
2. In a device of the class described, a curtain including a flexible transparent element, and a roller substantially co-extensive in length with the width of the curtain and over which the curtain is movable, said roller having end portions of enlarged diameter for bearing against the side portions of the curtain beyond the flexible transparent element thereby relieving pressure on the flexible transparent element.

6. The combination with a vehicle top, of a unitary frame and curtain structure removably mounted in the vehicle top and including a frame substantially co-extensive with the vehicle top, a series of curtains disposed upon the frame in substantially flat condition, with their transverse edges in over-lapping relation, elastic elements connecting the curtains with the frame, the curtains being otherwise free and unrestrained, and guiding means carried by the frame over which the elastic elements operate, the sides of the frame being spaced from the longitudinal sides of the vehicle top to provide a free uninterrupted space through which the curtains may be drawn.

1,502,424. AUTOMOBILE LIGHTING SYSTEM. HENRY P. J. EARNSHAW, Berlin, Mass. Filed Dec. 13, 1920. Serial No. 430,110. 1 Claim. (Cl. 88—1.)

The combination with a vehicle having a body considerably wider than the wheels, of reflector holders secured to the front of the vehicle closely adjacent the outer edge of said body or the load thereon, each holder having a reflector-receiving recess surrounded by a protecting wall or flange, and a convex reflector in each recess constructed

so that the light from the headlights from an automobile coming at an angle to the vehicle carrying the reflectors



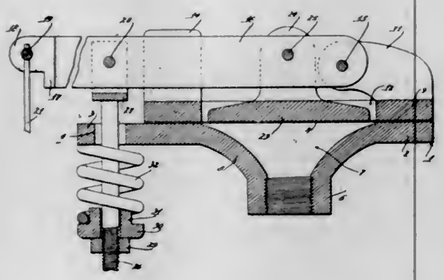
will be reflected back towards the driver of the automobile, said flange projecting beyond the reflector and protecting the same from injury.

1,502,425. HARDENING ALLOY FOR BEARING METALS AND PROCESS OF USING SAME. ROBERT HUGHES EVANS, Detroit, Mich. Filed Nov. 13, 1922. Serial No. 600,681. 2 Claims. (Cl. 75—1.)

1. As a distinct composition of matter a hardening alloy for bearing metals consisting of the following ingredients mixed in substantially the proportions by weight here indicated, to wit:

	Parts.
Antimony	70
Tin	25
Copper	3
Bismuth	2

1,502,426. STEAM-DIAPHRAGM REGULATOR. ALEXANDER T. GARDEN, Augusta, Kans. Filed Dec. 15, 1922. Serial No. 607,161. 1 Claim. (Cl. 236—26.)



In a device of the class described, a base having an opening, a diaphragm extended across the opening, an annular cap on the diaphragm and having a support which overhangs the opening, the cap being provided with a guide disposed opposite to the support, means for securing the cap to the base, a lever slidable in the guide and pivoted to the support at a point closely adjacent to the inner end of the support, a foot pivoted to the lever and engaging the diaphragm within the cap, a plunger slidable freely in the base and pivoted at one end to the lever, an adjusting device on the other end of the plunger, and a compression spring surrounding a portion of the plunger, and engaging the base and the adjusting device.

1,502,427. WELL TOOL. FRED I. GETTY, Jennings, La. Filed Apr. 21, 1922. Serial No. 555,895. 9 Claims. (Cl. 255—73.)



1. A well tool comprising a rod, a plurality of metal cutting milling cutters longitudinally spaced upon said rod.

1,502,428. WHIPSTOCK FOR WELLS. FRED I. GETTY, Jennings, La. Filed Oct. 1, 1923. Serial No. 665,827. 9 Claims. (Cl. 255—1.)



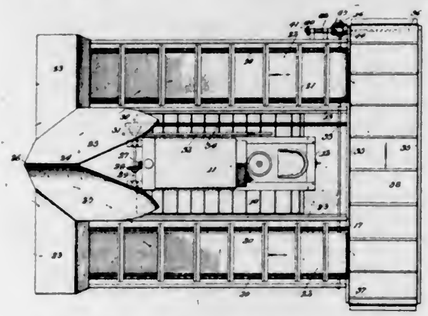
1. A whipstock comprising an elongated body having a taper extending throughout a major portion thereof providing a wedging face, a portion tapered oppositely from the angle of said wedge extending from a point adjacent to the lower end of said wedge to the lower end of the body, means to press the portion of the body between said tapered portions against the interior of a well casing, whereby to cause the upper end of the body to hug the opposite surface of the well casing.

1,502,429. SHOE TONGUE. CLIFFORD M. HADDOX, Charleston, W. Va. Filed Feb. 27, 1924. Serial No. 695,504. 2 Claims. (Cl. 24—117.)



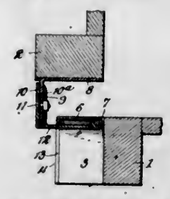
1. The combination with the tongue of a lace shoe of a strip of pliable material secured at one end to a lateral edge portion of said tongue adjacent to the upper end of the tongue, said strip having an eyelet adjacent to its other end, said eyelet being adapted to permit of the threading of the lace of the shoe therethrough.

1,502,430. SNOWPLOW. FAY C. HAYES, Altamont, N. Y. Filed July 30, 1921. Serial No. 488,655. 2 Claims. (Cl. 37—45.)



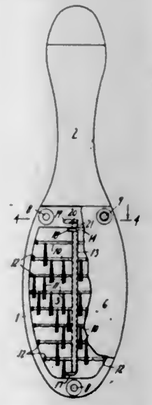
1. In combination, a tractor, a main frame supported by the tractor, vertical struts and inclined elevators supported by the main frame, on each side of the tractor, a dividing plow carried at the front end of the main frame, a scoop on each side of the plow and at the lower ends of the respective elevators, means for driving said elevators, by the tractor, a horizontal conveyor supported by the struts and disposed at the upper end of the elevators, means for operating the conveyor and gear shifting mechanism pivotally connected to the struts whereby the material may be deposited on either side of the elevators.

1,502,431. HINGE. RICHARD W. HUBBARD, Ashtabula, Ohio. Filed Nov. 16, 1922, Serial No. 601,338. Renewed June 10, 1924. 2 Claims. (Cl. 18—135.)



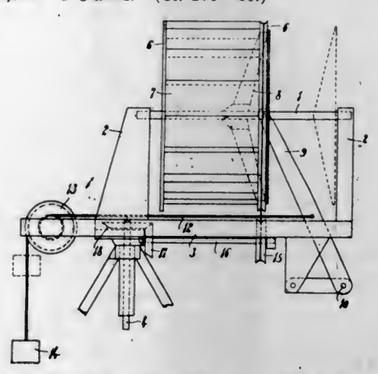
2. In a hinge the combination of a member having an internal portion formed at right angles thereto and an aperture in said portion, a second member having an integral portion formed at right angles thereto and having pintle receiving means and a plate having walls arranged at right angles to each other; one of said walls adapted to register with that of the first integral portion whereby fastening means may removably secure the plate to the first member and the other angular wall having pintle receiving means whereby a pintle may removably secure the plate to the second member.

1,502,432. FOLDING BRUSH. STANLEY A. JAROSKI, Holyoke, Mass., assignor to Jaroski and Klocko, a Copartnership composed of said Jaroski and Matthew Klocko, Hatfield, Mass. Original application filed May 16, 1923, Serial No. 639,349. Divided and this application filed Nov. 10, 1923. Serial No. 674,062. 4 Claims. (Cl. 15—203.)



1. The combination, in a folding brush, a body having a recess therein, and a plurality of rods pivotally mounted in said recess and provided with bristles adapted to be projected above the body, a tubular member pivotally connected with said rods, and a rod extending through said tubular member and having its opposite terminals formed respectively into a handle and a lug beyond but contiguous with the ends of said tubular member, retaining means provided on said body adapted to cooperate with said lug, when said last-named rod and said tubular member are moved into position to erect said bristles, for the purpose of locking the member in place.

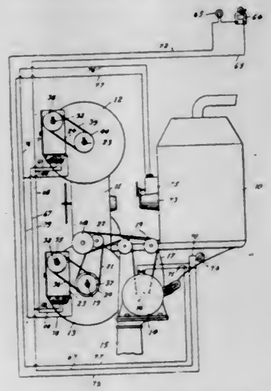
1,502,433. WINDMILL. JOHAN ALFRED JOHANSON, Stockholm, Sweden. Filed Mar. 16, 1923. Serial No. 625,548. 3 Claims. (Cl. 170—40.)



1. A wind mill, comprising in combination a horizontal shaft an open ended cylindrical cage on said shaft, the periphery of said cage being formed by vanes to be operated by the wind, a loosely mounted bottom to close

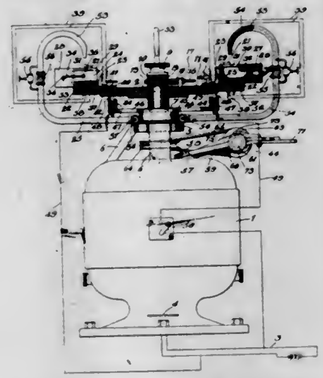
one end of said cage, and means to operate said bottom so as to maintain same in closed position during a light wind but opening same more or less during a stronger wind to allow the excess pressure to escape without operating the vanes.

1,502,434. AUTOMATIC SIGNAL AND SAFETY DEVICE FOR MOTION-PICTURE MACHINES. CARL F. LICK, St. Paul, Minn. Filed Feb. 23, 1921, Serial No. 447,108. Renewed May 15, 1924. 17 Claims. (Cl. 88—17.)



1. In combination with a reel shaft of a motion picture projecting machine, a shutter adapted to cut off the light through the projecting machine, and means operated from said reel shaft adapted to actuate said shutter.

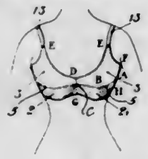
1,502,435. ELECTRICAL DENTAL MACHINE. NUMA ERVIN MORGAN, Atlanta, Ga. Filed Dec. 8, 1920. Serial No. 429,222. 5 Claims. (Cl. 22—65.)



1. A dental machine comprising an electric motor having a vertically extending shaft, a turn-table mounted thereon, a clutch positioned between said shaft and turn-table, a plurality of molds carried by said turn-table, and alternate means whereby gas or electricity may be used to heat said molds.

1,502,436. BUST SUPPORT. TERESINA MARIA NEGRI. Paris, France. Filed Jan. 23, 1921. Serial No. 439,835. 1 Claim. (Cl. 2—42.)

A breast-supporter comprising on the one hand, two breast pockets each of which is formed by the combination of two front fabric pieces extending from the middle of the chest to the armpit; a lower front piece having a bottom edge cut straight and two upper edges cut upon the bias and an upper front piece having a bottom edge cut straight and sewn to the one of said two upper edges of the lower front piece which is remote from the middle of the chest and a side edge cut upon the bias and sewn to the other of said two upper edges of the lower front piece, and on the other hand two back fabric pieces, each



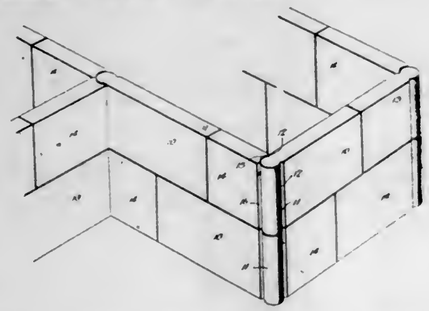
extending from the armpit to the middle of the back, each having a bottom edge cut straight, a side edge under the armpit sewn to the adjacent side edges of the two said front pieces and another side edge at the back provided with fastening means, and two shoulder straps fixed each at the top of one of the back pieces and of the corresponding upper front piece.

1,502,437. MEANS FOR PROTECTING GASOLINE OR OTHER TANKS. JACQUES POBEREJSKY, Paris, France. Filed Oct. 12, 1922. Serial No. 594,157. 2 Claims. (Cl. 244—31.)



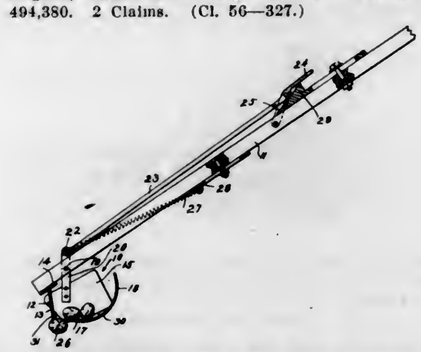
1. A protective armor for gasoline or other tanks, comprising a plurality of lattice-work layers arranged one over another, with the component members of adjacent layers disposed out of registration; said armor adapted to completely enclose the tank and to be secured to the walls thereof.

1,502,438. BUILDING ELEMENT. HENRY M. PRICE. Washington, D. C. Filed May 10, 1923. Serial No. 638,032. 3 Claims. (Cl. 72—38.)



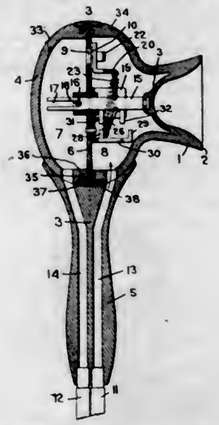
1. In a bonded building construction, the combination of a pair of complementary building elements of different sizes to present a break joint wall, said elements having interengaging and cooperating bead and groove construction whereby they may be united together by cementitious material in any angular position relative to said wall which is comprehended within an arc of substantially 180°.

1,502,439. PICKING DEVICE. LON B. RECTOR, Los Angeles, Calif. Filed Aug. 22, 1921. Serial No. 494,380. 2 Claims. (Cl. 56—327.)



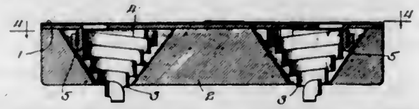
1. In a nut picking apparatus, a handle member provided with a jaw member, a receptacle pivotally secured to said handle adjacent the jaw member, means to normally maintain said receptacle in yielding contact with said jaw member, and means to adjust said receptacle away from said jaw member to form an opening of a desired width therebetween.

1,502,440. MASSAGING IMPLEMENT. HERBERT F. ROBERT, Malden, Mass. Filed June 10, 1922. Serial No. 567,274. 11 Claims. (Cl. 128—39.)



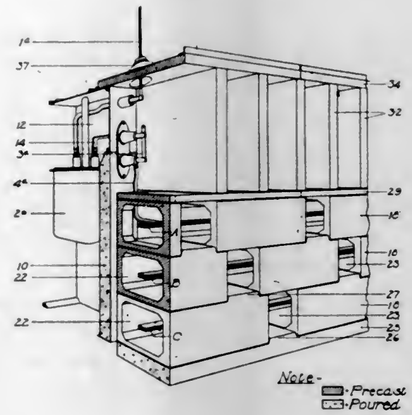
1. In a massaging implement, the combination with a flexible cup-shaped member having a rim adapted to be placed against the body, of means connected to said member for developing suction and pressure alternately within said member.

1,502,441. HOOF PAD. SAMUEL H. ROBERTS, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,635. 3 Claims. (Cl. 168—28.)



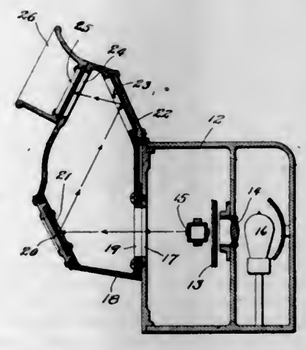
1. A hoof-pad having an aperture therein adapted to house a calk, in combination with a resilient metal spiral calk set in said aperture and adapted to positively engage the ground to prevent slipping, said calk having its main axis disposed perpendicularly to the plane of the pad.

1,502,442. BUS STRUCTURE. ALLEN M. ROSSMAN and JOHN C. SANDERSON, Chicago, Ill., assignors to Sargent & Lundy, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1920. Serial No. 380,861. 39 Claims. (Cl. 175—298.)



17. In combination, a plurality of tiers of individual blocks laid in a wall, the blocks of each tier being spaced apart longitudinally to form transverse openings, each of the blocks having an opening therethrough longitudinally of the wall, said longitudinal openings being in alignment to form a longitudinal passageway of each tier, conductors mounted in the longitudinal openings of each tier, insulating means supporting said conductors and removable means closing the transverse openings.

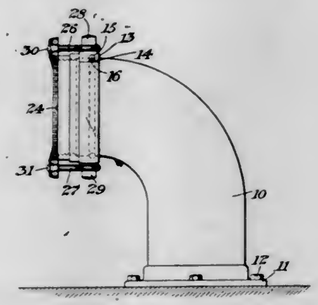
1,502,443. AUTOMATIC SCALE. HENRY C. SCHAPER. St. Louis, Mo., assignor to The General Automatic Scale Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 12, 1918. Serial No. 253,670. 6 Claims. (Cl. 88—24.)



1. The combination with a weight indicator for scales including a housing provided with an opening in one of its side walls, a source of light in said housing, projecting means spaced from said source of light, a transparent member provided with weight indicia and movable in vertical plane between said source of light and said projecting means, of a casing arranged on one of the side walls of said housing and provided with an opening which registers with the opening in said housing, a reflecting member arranged in the lower portion of said casing in the path of travel of the light rays from said projecting means and adapted to reflect said light rays upwardly, a reflecting member arranged in the upper

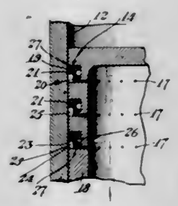
portion of the casing and oppositely disposed relative to the lower reflecting member and in the path of travel of the reflected light rays, and a translucent screen arranged in the upper portion of said casing forwardly of said upper reflecting member.

1,502,444. STANDPIPE CAP. JOHN H. STILLWAGGON, Richmond Hill, N. Y. Filed Apr. 18, 1922. Serial No. 554,688. 3 Claims. (Cl. 137—13.)



3. In a stand pipe and in combination with the swivel end connection thereof, a plate of relatively thin material, the said plate having a plurality of transversely placed grooves in its inner face, a plurality of pins extending from the inner face of the plate for centering the same in the swivel connection, lugs in oppositely disposed positions on the said plate, each lug having a hole therethrough and a groove therein, and cotter pins adapted to fit over the trunnions of the swivel connection and to pass through the holes in the said lugs and to be turned down in the grooves therein to secure the plate in place.

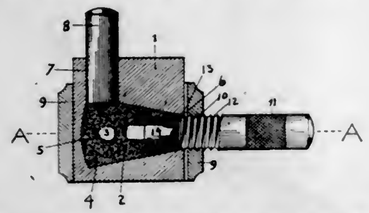
1,502,445. PISTON RING. CHARLES DELBERT STROMGREN, Los Angeles, Calif. Filed Aug. 11, 1919. Serial No. 316,889. 6 Claims. (Cl. 74—109.)



1. A piston ring for internal combustion engines comprising a ring having a body portion arranged to slidably engage the opposite walls of a groove in the piston, and a flange formed on the upper end of said body portion extending outwardly therefrom arranged to engage the wall of the cylinder, said body portion having perforations directly under the flange extending through the body portion to a point on the inside of the ring above the lower face of the ring.

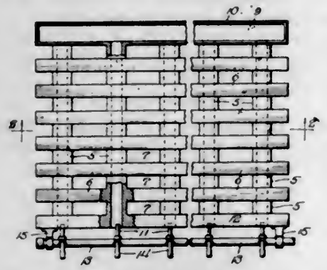
1,502,446. DENTAL SWAGING DEVICE. SAMUEL JAMES SYMMONS, San Francisco, Calif. Filed Sept. 16, 1922. Serial No. 588,647. 2 Claims. (Cl. 113—39.)

1. In a swaging device comprising a cylindrical matrix block with a frusto-conical die chamber and having an opening on the side wall of said block, the said opening being of sufficient size to permit the insertion, and removal of a die, a mass of mouldine contained in said chamber, a longitudinal off-center bore extending from said chamber, a solid compression plunger slidable in said bore and projecting into said die chamber, a ring



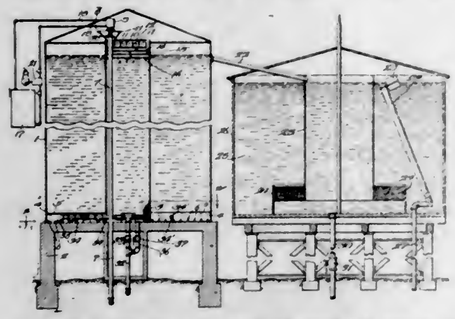
slidable on said block, a handle threaded into said ring and of a diameter to snugly fit into the opening of said die chamber.

1,502,447. GRID FOR GAS-BURNING BROILERS. JACOB L. SHROYER, Oak Park, Ill. Filed Aug. 18, 1923. Serial No. 658,150. 3 Claims. (Cl. 126—41.)



1. A broiling grid and burners comprising a series of inverted, parallel, open channel members; a flue with which the openings in all the channels communicate; a series of transversely-extending bars connecting the channels and providing a broiling surface and a burner for each channel arranged to project a flame directly into each channel.

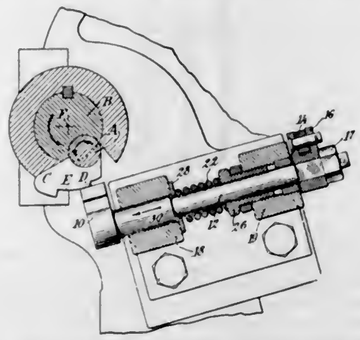
1,502,448. LIQUID-TREATING APPARATUS. INOS R. TANNER, Chicago, Ill., assignor to Jos. E. Nelson & Sons, Chicago, Ill., a Copartnership. Filed July 23, 1921. Serial No. 487,121. 3 Claims. (Cl. 210—21.)



1. Liquid treating apparatus including a source of liquid furnishing liquid under pressure to be treated; a pipe communicating with said source; a valve in said pipe operated by the liquid, the pipe having a port closed by said valve and also opened to varying extents by the valve according to the pressure exerted upon the valve by the liquid; a settling chamber into which the liquid to be treated is discharged through said port; a chemical tank having a port through which chemical

is discharged into the settling chamber; and a valve adapted to open and close the port in the chemical tank to varying extents and actuated by the other valve, said valves and ports being interrelated to cause the proportion of the chemical and liquid supplied to the settling chamber to be substantially constant with varying rates of flow of the liquid and chemical.

1,502,449. CLUTCH. WALTER THOMA, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Feb. 14, 1924. Serial No. 692,675. 4 Claims. (Cl. 192—29.)



1. Clutch-operating mechanism comprising a part adapted to make contact with a part of a clutch-key or pin, a spring for cushioning the shock of contact between said operating part and clutch part, and means for relieving said operating part of shock on the reaction of said spring.

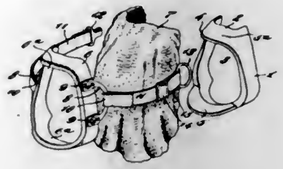
1,502,450. RESPIRATOR. WILLIAM H. WOOD, South Euclid, Ohio. Filed June 30, 1919. Serial No. 307,497. 8 Claims. (Cl. 128—146.)



1. A respirator comprising a base member adapted to conform to the face of the wearer, said member having an outwardly inclined surface, an open-work supporting frame projecting outwardly from said member, a clamping member adapted to be applied to the inclined outer surface of the first mentioned member, a pliable strainer element adapted to be inserted between said members and to be supported upon said frame, and means connected with the clamping member for supporting the respirator in operative relation to the face of the wearer.

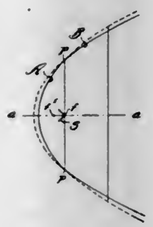
1,502,451. RESPIRATOR. WILLIAM H. WOOD, South Euclid, Ohio. Filed Mar. 1, 1920. Serial No. 362,195. 4 Claims. (Cl. 128—146.)

1. A respirator comprising a rigid open base member shaped to conform t the face of the wearer, an open clamping member, and a strainer member of yielding material interposed between the first two members and projecting inwardly beyond the inner edge of the base member, the base member having an extended outer bearing surface, the said surface and the inner surface



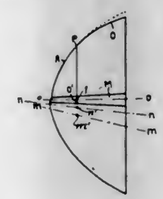
of the clamping member being shaped to permit the clamping member to be adjusted to various positions upon the base member and to cause the edge of the strainer member to engage the face of the wearer.

1,502,452. LAMP. WILLIAM H. WOOD, South Euclid, Ohio. Filed Oct. 18, 1920, Serial No. 417,736. Renewed Oct. 28, 1921. Serial No. 511,147. 6 Claims. (Cl. 240—44.)



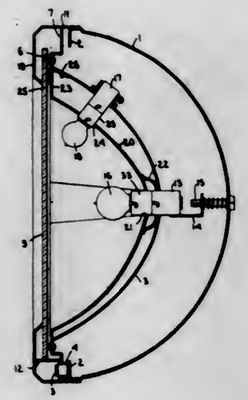
1. An automobile headlight comprising, in combination, a one piece reflector whose vertical section exhibits two approximately parabolic portions arranged one in front of the other, the focal point of the foremost portion being located rearwardly of that of the rearmost portion and the surfaces of the two portions merging together substantially opposite said focal points, having a V shaped light source in said reflector symmetrically arranged relatively to said axis and having its apex presented toward the open face of said reflector.

1,502,453. HEADLIGHT. WILLIAM H. WOOD, South Euclid, Ohio. Filed May 11, 1921. Serial No. 468,639. 3 Claims. (Cl. 240—41.)



1. A one piece, sheet metal reflector for headlights, comprising, in combination a semi-paraboloid heel portion terminating substantially at its parameter, the portion of the reflector on the opposite side of the axis being located outside the imaginary surface defined by said first portion and the remaining portion of the reflector which lies upon the same side of the axis being located inside such imaginary surface.

1,502,454. LAMP. WILLIAM H. WOOD, South Euclid, Ohio. Filed Apr. 25, 1921. Serial No. 464,361. 9 Claims. (Cl. 240—41.)

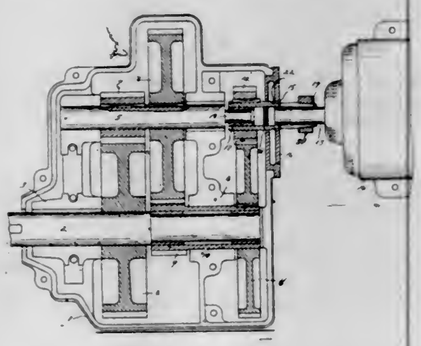


1. A reflector for headlights having a flange at its open end, a metal spring carried by the forward face of said flange adapted to engage the glass of the headlight in which it is placed and a plurality of laterally projecting metal centering devices spaced around such open end.

1,502,455. STORAGE BATTERY. WILLIAM H. WOOD, South Euclid, Ohio. Filed July 1, 1921. Serial No. 481,981. 9 Claims. (Cl. 204—29.)

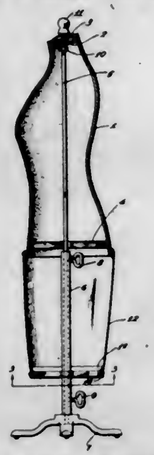
5. An acid-resistant, electrolytic diaphragm consisting of a supporting structure of impervious insoluble material, having apertures therein which are filled with organized porous keratin.

1,502,456. REDUCTION GEARING. WILLIAM E. BEE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 15, 1923. Serial No. 612,732. 4 Claims. (Cl. 74—7.)



1. The combination with a gear casing, of a drive shaft outside said gear casing, a coupling sleeve having an outer flexible portion surrounding and clamped at its end upon said drive shaft, a bearing within said casing for the inner end of said coupling sleeve, and gearing within said casing including a gear member secured upon the inner end of said coupling sleeve and surrounding a portion of said bearing.

1,502,457. COMBINED BUST AND SKIRT FORM. MAX BRECKER, Brooklyn, N. Y. Filed July 18, 1921. Serial No. 485,609. 1 Claim. (Cl. 223—18.)



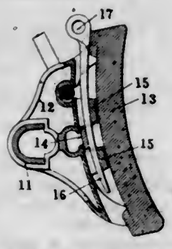
A combined bust and skirt form embodying a rigid permanently shaped bust portion provided with an open bottom chamber at its base, a skirt portion permanently secured to the bust portion and adapted to normally hang therefrom, said skirt portion being a fabric whereby it may be raised and collapsed into concealed position within the chamber in the bust portion, and a distending member permanently attached to the lower edge of the skirt portion for maintaining said portion in proper shape when the skirt portion is lowered and adapted to be forced into the chamber in the bust portion when the skirt portion is collapsed with said chamber, for maintaining the skirt portion in collapsed position within the chamber of the bust portion when the skirt portion is raised.

1,502,458. OPEN-FACE SLEEVE SEAL. EDWARD J. BROOKS, East Orange, N. J. Filed Mar. 13, 1924. Serial No. 698,937. 1 Claim. (Cl. 24—23.)



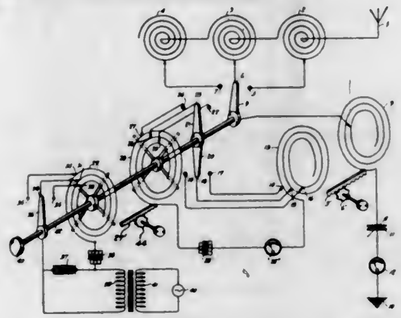
An open face sheet metal seal comprising: a main portion provided with an upstanding wing at each side, both of said wings extending in the same direction and the main portion forming a concavo-convex bridge between the wings, the convexity of said main portion extending in the same direction as the upstanding wings.

1,502,459. BRAKE-SHOE KEY. STERLING H. CAMPBELL, St. Louis, Mo. Filed Aug. 4, 1923. Serial No. 655,568. 4 Claims. (Cl. 188—243.)



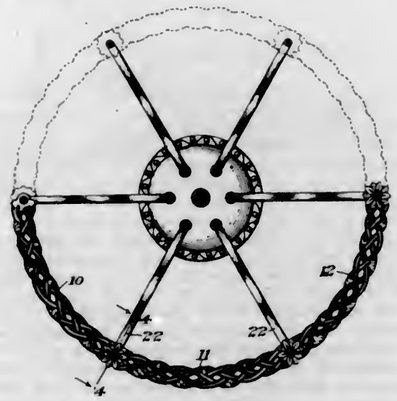
1. In a device of the class described, the combination with a brake head, of a brake shoe, and a key extending alternately through lugs on both parts for securing said parts together, said key being provided at its upper end with a laterally opening aperture adapted to engage with a key removing tool inserted from the side of the brake.

1,502,460. RADIO SIGNALING APPARATUS. GEORGE H. CLARK, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Apr. 26, 1921. Serial No. 464,556. 6 Claims. (Cl. 250—17.)



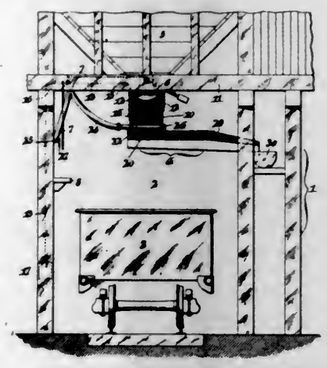
1. In apparatus for transmitting signals, the combination of an antenna circuit, a primary circuit containing a quenched spark gap, a source of power for supplying energy to the spark gap, means for transferring said energy from the primary to the antenna in increments whereby the effect of shock excitation is eliminated, each of said circuits and said last mentioned means having means for adjusting for different wave lengths and means for operating said last mentioned means in unison.

1,502,461. LIGHTING-FIXTURE RING. ABRAHAM COOPER, Brooklyn, N. Y. Filed Feb. 24, 1923. Serial No. 620,875. 4 Claims. (Cl. 240—78.)



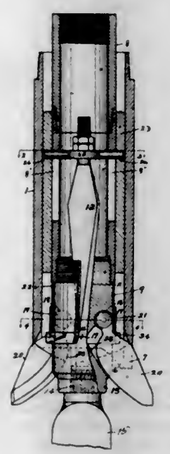
1. In a lighting fixture, a plurality of arms, a ring divided into a plurality of sections, with one end of each ring section adapted to inter-engage with the end of the next adjacent section, a device attached to and extending beyond one end of each of the ring sections and adapted to conceal the joint between the same and the interengaging end of the next adjacent section, and means acting through the said device and with the inter-engaging end of the next adjacent section for simultaneously connecting these ends of the sections to one another and to an arm of the fixture.

1,502,462. APPARATUS FOR CLEANING GRAVEL AND THE LIKE. HARRY F. CURTIS, Philadelphia, Pa. Filed Oct. 6, 1923. Serial No. 666,926. 2 Claims. (Cl. 83—56.)



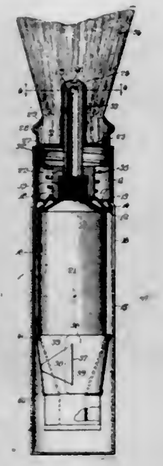
1. In apparatus for cleaning gravel and the like the combination of an all sheet metal chute having a foraminated bottom over which the gravel is conducted, said chute being pivotally suspended for angular adjustment, an underlying attached trough aligned with the chute for collecting the spent cleaning fluid, a gutter extending transversely at the discharge end of said trough and chute and rigidly secured thereto, a perforated pipe extending transversely of the chute for directing a fluid spray in opposition to the movement of the material being cleaned, a flexible tube interposed between said pipe and the source of cleaning fluid supply, and means whereby the angular inclination of the chute may be varied and counterbalanced.

1,502,463. DRILL BIT. GEORGE W. DUNSWORTH, Houston, Tex. Filed Dec. 26, 1922. Serial No. 609,150. 11 Claims (Cl. 255—76.)



1. A device of the character described including a tubular stem, a bit adapted to be passed through said stem and attached to, or detached from, the lower end thereof, said bit including a central boring tool, and lateral reamers, said stem and bit having co-operating,, spiralled abutting parts, which interlock when the stem is rotated.

1,502,464. FOUNTAIN LATHER BRUSH. GEORGE G. FLOYD, Riverside, Ill. Filed Mar. 2, 1921. Serial No. 448,984. 2 Claims. (Cl. 15—135.)



1. In a fountain-brush, the combination of a shell, a brush including bristles and a hollow brush-head slidable with relation to said shell, an internally-threaded member in said shell adapted to receive the threaded neck of a collapsible supply tube, a pipe with a valve-port connected to said member and extending through the hollow of the brush for the passage of the contents of the tube to the bristles, a valve sleeve in said brush-head encasing and slidable on said pipe and adapted by its reciprocations to open and close said valve-port, and a spring acting on said brush-head tending to shift the latter to valve-port closing position.

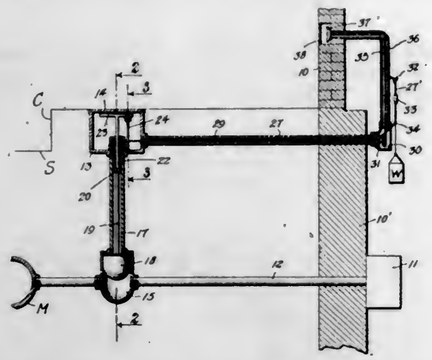
1,502,465. CAN OPENER. SAMUEL H. GARRETT, Philadelphia, Pa. Filed July 29, 1922. Serial No. 578,327. 5 Claims. (Cl. 30—3).



1. A can opener comprising a semi-circular knife member, said knife member terminating in a point and having sharpened edges diverging from said point to the side margins of the knife member, and a member extending across between the upper limits of the sharpened edges of the knife member forming a shoulder in conjunction therewith, said shoulder being adapted to engage and bend inwardly the material of the can top cut by the edges of the knife member.

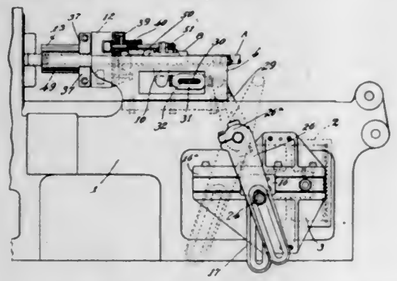
1,502,466. COMBINED CURB BOX AND AUTOMATIC GAS CUT-OFF. JOSEPH GILLEN, Flushing, N. Y. Filed Feb. 5, 1923. Serial No. 616,998. 6 Claims. (Cl. 137—162.)

1. The combination with a gas supply pipe, a cut off valve therein, and a curb box remote from the outside of the building inclosing valve actuating means normally held in inoperative position, of means operatable from



the inside of the building to release the valve actuating means to effect the closing of the valve in the cut off.

1,502,467. AUTOMATIC SCREW MACHINE. FREDERICK P. GLOSH, Cincinnati, Ohio, assignor to The Cincinnati Planer Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 28, 1921. Serial No. 448,366. 22 Claims. (Cl. 29—37.)



1. In an automatic screw machine, the combination with a frame, an end tool slide or the like, a rock shaft supported by the frame and extending across beneath the path of the slide, a lever on the shaft, and a turn buckle serving as a link between the lever and the slide, said lever being on substantially the center line of the slide.

12. In a machine of the character described, the combination of a tool slide, tool holders in the tool slide, a shaft over which the slide moves in a path to and from the work, connections from the shaft to the tool holders to revolve them, and means for locking the tool holders against movement, and dis-connecting them from the said shaft, whereby fixed tools may be held in said holders, and means on the slide for providing a rest to fixed tools mounted in said holders, said means comprising a projection from the forward end of the slide, having tool engaging grooves therein, and having a cylindrical conformation, said means having a clearance space for the said shaft.

1,502,468. WINDOW-CONTROL MEANS. WILLIAM C. GROB, Toledo, Ohio, assignor of one-half to George B. Storer, jr., Toledo, Ohio. Filed Feb. 13, 1922. Serial No. 536,062. 3 Claims. (Cl. 292—175.)

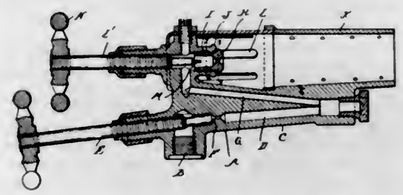
1. In combination, means forming a window casing, a window mounted for vertical reciprocatory movements in the casing, a hollow guide bar secured to a side of the casing lengthwise thereof and having a longitudinal

opening in its outer side and a plurality of bolt receiving openings in its inner side spaced longitudinally of the bar, a block mounted in the guide bar for reciprocatory movements longitudinally thereof, a bolt carried by the block for reciprocatory movements transversely of the guide bar and adapted to have its inner end engage a registering opening in the inner side of the guide bar,



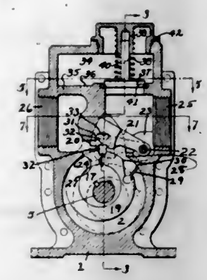
the outer end of the bolt extending through the outer opening of the guide bar and forming a handle, a spring carried by the block and acting on the bolt to normally hold it in engagement with a registering opening, and a rod extending down from the block through the guide bar and fixedly attached to the lower edge of the window to cause the window and block to have movements in unison.

1,502,469. OIL BURNER. OTTO J. GROEHN, Detroit, Mich., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 6, 1919. Serial No. 328,835. 1 Claim. (Cl. 158—33.)



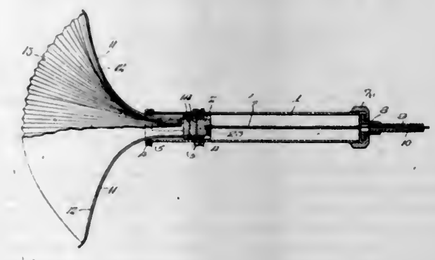
In a blow pipe torch for developing intense heat, a flame tube having an open forward end and air passages into the tube in the rear of said forward end, a vapor discharge nozzle at the rear end of the tube and substantially in alignment with the axis thereof, said nozzle having a discharge port, a stem in alignment with the axis of said discharge port and adjustable toward and from said discharge port, a support for said stem, a cleanout member carried by said stem and adjustable through said discharge port, said stem and cleanout member being adapted to be withdrawn entirely from said support, said stem remaining in alignment with the axis of said discharge port during the withdrawal thereof, a vaporizing passage leading from a source of supply of fuel to the port of said discharge nozzle, and a valve for controlling the supply of fuel to said vaporizing passage located at a position remote from said discharge nozzle, said valve having a stem provided with a screw-threaded adjustment for positively forcing the valve to its closed position independent of said stem which is adjustable in relation to the port of the discharge nozzle.

1,502,470. PUMP. IRA B. HART, St. Louis, Mo., assignor, by mesne assignments, to St. Louis Pump and Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 6, 1920. Serial No. 422,140. 5 Claims. (Cl. 103—132.)



1. In apparatus of the class described, in combination, a cylinder member having a plurality of compartments; a steel shaft therethrough; each compartment having in it an eccentric fixed upon and rotatable with the shaft, a piston rotatably mounted upon the eccentric bosses upon the cylinder member, a pin mounted therein, a bronze rocker-arm pivotally mounted on said pin a tie-block upon the piston, a steel boss or piston-support on said tie-block and bolts securing said piston-support and tie-block upon the piston, the piston-support fitting in a recess in the rocker-arm to form a pivotal connection between piston and rocker-arm.

1,502,471. DISAPPEARING DIMMER. EMIL HLAVACEK, Two Rivers, Wis. Filed Feb. 5, 1924. Serial No. 690,768. 1 Claim. (Cl. 240—45.)

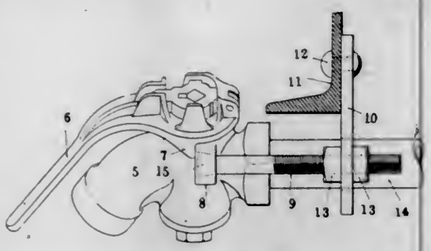


In a vehicle light, a dimmer comprising an accordion pleated fan spread by two specially shaped strips of flat spring steel and having two other wider flat spring guides riveted to grooved block operating on a guide rod in a tube to which is fastened a half-union and piping enclosing a continuous wire attached to block at one end and at other end to a movable angle held in place by a stamped plate having a slot to permit angle ends to be moved up or down from top side of the dashboard of the vehicle.

1,502,472. ANGLE-COCK HOLDER. LOUIS A. HOERR, St. Louis, Mo., assignor to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 15, 1923. Serial No. 668,472. 5 Claims. (Cl. 248—30.)

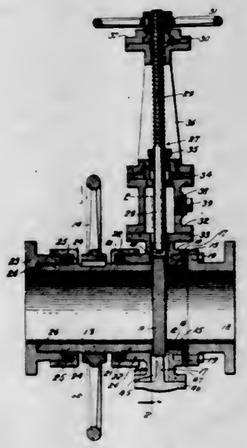
1. In a device of the class described, the combination with an angle cock provided with a lug, of a bolt ex-

tending rearwardly from said lug, a supporting member through which said bolt passes and means for adjusting



said bolt longitudinally whereby the distance between the support and angle cock may be varied.

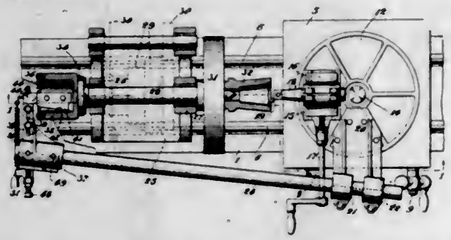
1,502,473. VALVE. JOSEPH JOULE, Belleville, N. J., assignor to Eastwood Wire Manufacturing Company, Belleville, N. J., a Corporation of New Jersey. Filed Apr. 13, 1922. Serial No. 552,165. 6 Claims. (Cl. 251—55.)



1. A valve-structure of the character described comprising a body-casing containing a through passage and having a transverse guide-way for a gate-valve therefor, a plate gate-valve in said guide-way, means for operating the valve comprising a threaded stem articulated to the upper end of the plate and means for effecting vertical movement of the stem, a ring valve-seat at one side of said gate-valve and a tubular pipe section at the other side of said gate-valve and having a threaded connection with said body-casing and having exterior thereto an exposed surface to which manually operative means are applied for rotating said pipe section, said pipe section being extended laterally beyond said body-casing.

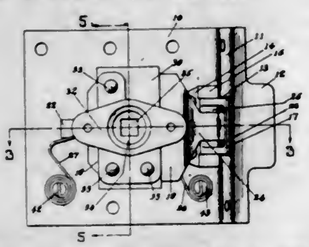
1,502,474. DEVICE FOR MAKING FLUTED GLASS MOLDS OR THE LIKE. PETER KUCERA, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed Mar. 14, 1921. Serial No. 452,373. 20 Claims. (Cl. 82—14.)

1. A device for manufacturing fluted molds for glass machines and the like comprising a main shaft, means for mounting a mold body on said main shaft, a pattern member also mounted on said main shaft, a turntable, a forming tool mounted on said turntable and adapted to operate upon said mold body, and an actuating device cooperating with said pattern to oscillate said turntable and said tool to produce a predetermined configuration on said mold.



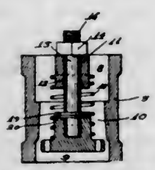
10. A device of the character described comprising a main shaft, work supporting means on one end of said main shaft, a pattern member on the other end of said main shaft, a forming tool adapted for rotation relatively to said main shaft, means to feed said tool longitudinally of the work, an actuating device carrying the templet and being adapted to oscillate said tool to cause same to follow a predetermined path, a templet adapted to engage said pattern, and stop means adapted to determine when said oscillation shall begin relatively to the feed of the tool.

1,502,475. LATCH MECHANISM. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1921. Serial No. 496,042. 15 Claims. (Cl. 292—222.)



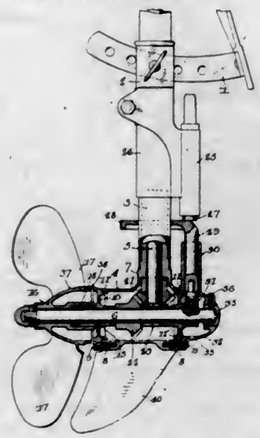
1. A latch mechanism comprising a base plate, a swinging latch bolt mounted thereon, a bolt-operating member slidably mounted on said base plate and provided with a lug sliding in a slot therein, the body portion of said member being spaced from the base plate, said member being connected to said latch bolt, a rotatable roll-back engaging said bolt-operating member to actuate the same, and means for rotating said roll-back.

1,502,476. GAS-ENGINE GOVERNOR. BENJAMIN T. MCCANNA and EMIL R. KLEMM, Chicago, Ill. Filed Nov. 15, 1920. Serial No. 424,323. 2 Claims. (Cl. 137—152.)



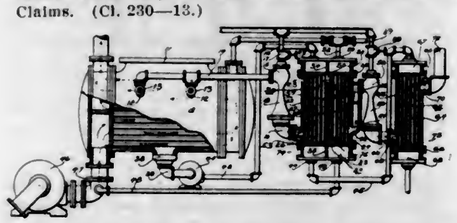
1. A governor device, comprising a casing, a tapered chamber therein, a chamber at the intake end of said casing of larger diameter than said tapered chamber and connected thereto by a shoulder, and a governor valve normally below said shoulder and movable in said casing past said shoulder, the diameter of said valve being substantially the same as that of the lower larger end of said tapered chamber.

1,502,477. MARINE PROPULSION DEVICE. CHRISTOPHER J. MEYER, Milwaukee, Wis., assignor to Evinrude Motor Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 12, 1921. Serial No. 507,225. 7 Claims. (Cl. 115—18.)



1. In a marine propulsion device provided with a substantially vertical power shaft and a sleeve concentric therewith, the combination of a casing supported from said sleeve and dirigible therewith, closures for the end of said casing provided with bearings, a shaft rotatably mounted in said bearings, power transmitting mechanism within said casing adapted to drive said last named shaft from said power shaft, a propeller upon the driven shaft, a cam upon the driven shaft exterior to the casing, a housing for said cam, and a plunger operatively associated with said cam within the housing, said housing being ported, whereby to relieve it of pressure.

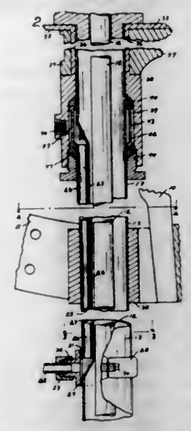
1,502,478. AIR EJECTOR. DAVID W. R. MORGAN, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 25, 1923. Serial No. 653,783. 13 Claims. (Cl. 230—13.)



1. In combination with a high vacuum condenser provided with two pumps connected in series for withdrawing air and vapor therefrom, the first of said pumps being a steam-operated ejector pump, a condensing device for absorbing the heat of the steam utilized in the ejector and a cooling device for subsequently reducing the temperature and specific volume of the air and vapor prior to their delivery to the second pump.

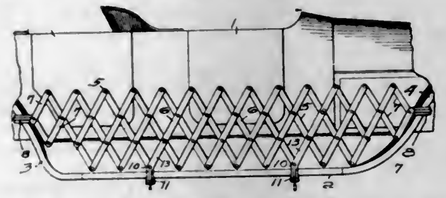
1,502,479. WATER-SUPPLY CONNECTION. JAMES A. MOULD, Milwaukee, Wis., assignor to Evinrude Motor Company, Milwaukee, Wis. Filed Jan. 7, 1924. Serial No. 684,720. 9 Claims. (Cl. 115—18.)

1. In a device of the character described, the combination with a support for the submerged parts of an outboard motor mounted for rotation and provided with a central cavity, of a bearing block disposed at an intermediate portion of said support, said support being formed with an arcuate bearing surface adapted for operative bearing contact with said block, and a water



supply pipe extending along said support externally of the cavity therein wholly at one side of the cavity and within the radius of said bearing surface.

1,502,480. AUTOMOBILE LUGGAGE RACK. ALBERT H. NEUKOM, Toledo, Ohio. Filed Dec. 20, 1920. Serial No. 431,840. 1 Claim. (Cl. 224—292.)

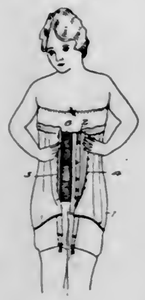


In an automobile luggage rack, a plurality of bars connected together by a double "lazy tong" construction and formed by two sets of parallel bars, the bars of one set being located at an angle to the bars of the other set and pivotally connected to the bars of the other set, screw hand clamping members having integral bar portions extending at an angle to the clamping members and forming certain of the bars of one set secured to bars of the other of the sets, and for clamping the "lazy tong" construction to the running board of an automobile and located at right angles to the running board, while the bar portions of the clamps extend at an angle to the running board, and clamps connected to the ends of the "lazy tong" construction for connecting the ends of the construction to the fenders of the automobile.

1,502,481. CORSET. SAMUEL J. NEWMAN and RAYMOND E. DODGE, New Haven, Conn., assignors, by mesne assignments, to I. Newman & Sons, Inc., New Haven, Conn., a Corporation of Connecticut. Filed Apr. 12, 1922. Serial No. 551,780. 3 Claims. (Cl. 2—38.)

1. In a front lace corset, a vest structure adapted to extend across the front edges of the corset, said vest structure comprising a single elastic section secured at one edge to the corset between the front edge of the corset and the side and extending across the opening in the front of the corset beyond the edge of the corset to which it is secured, said vest structure also including an inelastic section which is inelastic throughout its full width, said inelastic section being secured to said

corset an appreciable distance from the front edge of the corset toward the side with the free edge thereof lying between its line of connection with the corset and the edge of the corset section to which it is secured,



and disengageable fastening means carried by the free edge, said elastic section and by the inelastic section whereby said sections are disengageably connected together at a point at one side of the front edge of the corset.

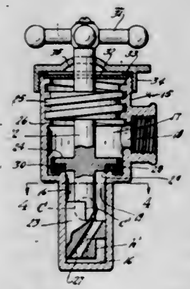
1,502,482. DULL OR ROUGHENED PHOTOGRAPHIC FILM AND PROCESS OF MAKING SAME. RUDOLF OERTEL, Lichterfelde, near Berlin, and FRIEDRICH DREYER, Zehlendorf, near Berlin, Germany, assignors to the Firm Goerz Photochemische Werke G. m. b. H., Zehlendorf, near Berlin, Germany. Filed Dec. 26, 1923. Serial No. 682,827. 10 Claims. (Cl. 91—69.)

1. The process of dulling photographic sheets, which consists in treating the surface thereof with a spray of a varnishing composition.

6. The process of dulling photographic picture sheets, which consists in mixing nitro-cellulose with about one per cent of chloride of calcium, mixing about one per cent of said mixture with equal quantities of ether and alcohol, and dusting said mixture upon the surface to be treated.

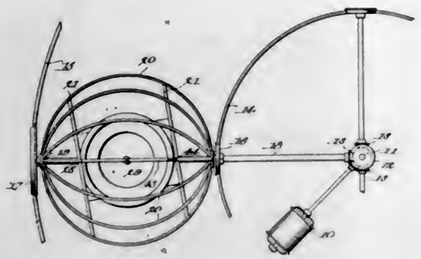
8. As a new article of manufacture a photographic picture sheet, carrying a dull coating of most finely divided grains of a cellulose compound.

1,502,483. MIXING VALVE. LEO F. O'FLAHERTY and WILLIAM L. KIRKPATRICK, Elgin, Ill. Original application filed Oct. 23, 1922. Serial No. 596,219. Divided and this application filed Nov. 5, 1923. Serial No. 672,726. 7 Claims. (Cl. 251—106.)



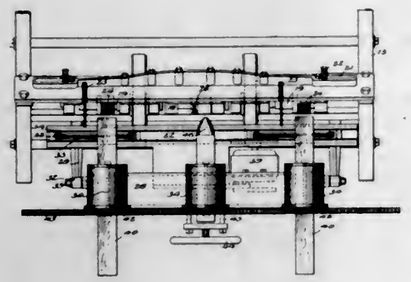
1. A mixing valve comprising a casing having a plurality of inlets and an outlet, a valve stem with a solid integral core, peripheral pockets on said core registerable with said inlets, and a small bore through said core providing communication between said pockets.

1,502,484. ROUNDABOUT. OSCAR F. OLSON, Bethlehem, Pa. Filed Feb. 11, 1922. Serial No. 535,841. 9 Claims. (Cl. 46—27.)



1. An amusement device comprising a circular track, a globular cage mounted for rotation over said track, means for rotating said globular cage, an endless track mounted interiorly of said cage at an angle to the axis of rotation of said cage, the angle being less than ninety degrees, a car mounted for backward and forward movement over said track and in the path of said circular track upon rotation of said globular cage.

1,502,485. SHOE-TREE-FORMING MACHINE. OSCAR OLSON, Brooklyn, N. Y. Filed Aug. 3, 1922. Serial No. 579,518. 9 Claims. (Cl. 144—145.)

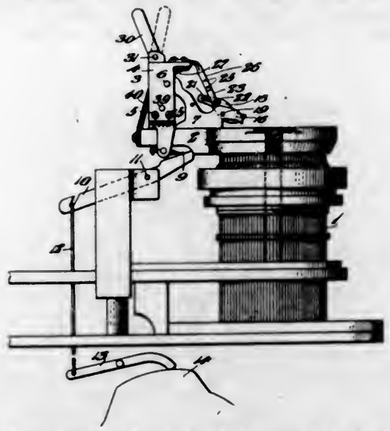


1. In a machine for making shoe tree parts, a frame, a second frame movably connected to said first named frame, a shaft rotatably carried by said first named frame, groups of cutting wheels and saws carried by said shaft, article retaining units carried by said second frame and corresponding in number to the number of groups aforementioned, cutting devices carried by said second frame adjacent to said units, and means for operating and projecting said last named cutting devices, whereby to bring the same into engagement and to transversely sever the articles carried by said units.

1,502,486. YARN-CHANGE BINDER FOR CIRCULAR-KNITTING MACHINES. FRANK W. ROBINSON, Reading, Pa., assignor to Schuylkill Hosiery Mills, Inc., Reading, Pa., a Corporation of Pennsylvania. Filed May 1, 1923. Serial No. 635,839. 7 Claims. (Cl. 66—12.)

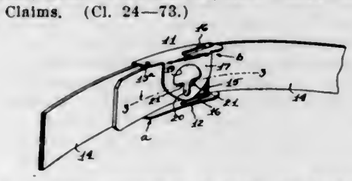
1. A yarn change binder, comprising a book suspended over the yarn which is out of knitting action,

a plurality of yarn fingers and their actuating means, said yarn fingers controlling the movement of said hooks,



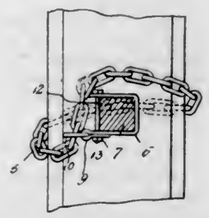
and automatically actuated yarn binding and cutting mechanism.

1,502,487. BELT BUCKLE. PAUL M. SABLE, Minneapolis, Minn. Filed Mar. 13, 1923. Serial No. 624,780. 2 Claims. (Cl. 24—73.)



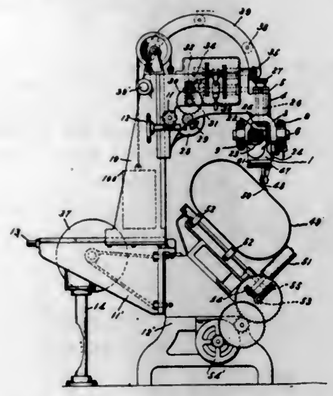
1. A buckle comprising a body for attachment to opposite ends of a belt, a flange reaching back from said body and a hanger plate depending from said flange, said hanger plate having a button hole therein to receive a button attached to a garment, said button hole including a half-round opening communicating medially at its flat side with a downwardly reaching slot, lips comprising those opposed portions of the hanger plate at the junction of said opening and slot, said lips being flared back to facilitate the application of the button to said hanger plate and to form anti-slipping lugs for engagement with the garment near the root of the button, said hanger plate being adapted normally to guide the button against said flange and thereby limit movement between the buckle and garment.

1,502,488. ANTISKID DEVICE FOR VEHICLE WHEELS. ANGELO SERAFINI, Erie, Pa. Filed Aug. 30, 1923. Serial No. 660,088. 2 Claims. (Cl. 152—14.)



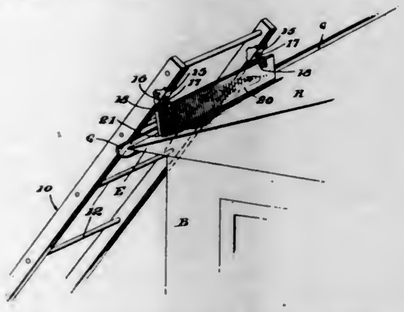
1. In an anti-skid device for vehicle wheels, a clamp element adapted to be secured to one of the spokes of the wheel and including a link element and a hook element, a chain section having one of its end links engaged over said hook element said chain section adapted to engage around the wheel and adapted to have its opposite end passed through said link element and to have its opposite end link also engaged over the hook element of said clamp.

1,502,489. APPARATUS FOR AUTOMATIC ARC WELDING. CHRISTIAN STEENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 2, 1920. Serial No. 348,937. 10 Claims. (Cl. 219—8.)



1. An arc welding apparatus comprising a welding head arranged continuously to feed a welding electrode to the work, conveyer mechanism for guiding and feeding articles to be welded into operative relation with the welding head and tracker means for guiding and positioning the welding head with respect to the articles to be welded.

1,502,490. LADDER ATTACHMENT. WILLIAM G. TACK, Garrettsville, Ohio. Filed Jan. 16, 1923. Serial No. 612,966. 8 Claims. (Cl. 22S—60.)

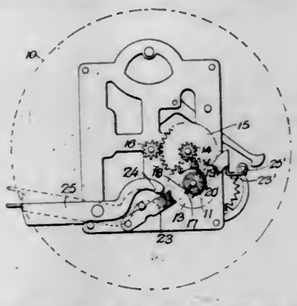


1. In a ladder attachment, a clamp adapted to be secured to a ladder, an arm extending outwardly from and inclined with respect to said clamp, a second clamp at the outer end of said arm, and a supporting member mounted in said outer clamp and inclined with respect to said ladder clamp.

1,502,491. ALARM-CLOCK MECHANISM, ARON S. TREGER, Independence, Kans. Filed Dec. 20, 1923. Serial No. 681,724. 8 Claims. (Cl. 58—22.)

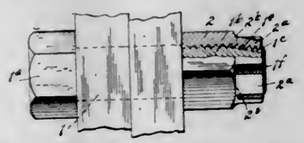
1. In alarm clock mechanism, the combination of a hand carrying arbor having a lateral pin, a disc loosely

carried by the arbor and engaged by the pin, a gear wheel connected with the clock mechanism, a spring



adapted to hold the gear wheel and disc in engagement, and a lever adapted to nullify the action of the spring.

1,502,492. LOCK NUT. FREDERICK C. WARNE, Mansfield, Ohio. Filed Apr. 20, 1922. Serial No. 555,776. 6 Claims. (Cl. 151—21.)



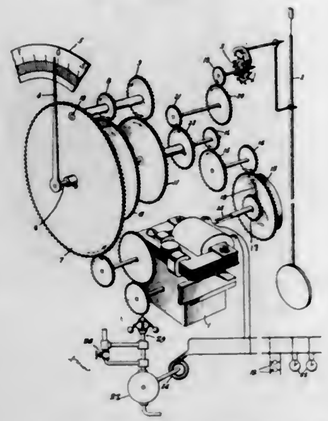
1. A lock-nut having an interiorally threaded cylindrical section divided into a plurality of regularly spaced longitudinally tapered wedge shaped locking fingers.

1,502,493. TIME-INDICATING APPARATUS. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, Ashland, Mass., a Corporation of Maine. Filed Apr. 15, 1918. Serial No. 228,633. 4 Claims. (Cl. 58—26.)



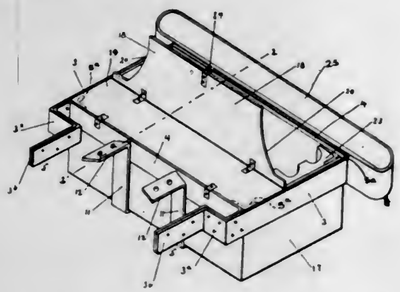
1. In an instrument of the character described, a standard clock, a synchronous motor, two hands mounted concentrically, connections between one hand and the standard clock and between the other hand and the synchronous motor, so proportioned that both hands revolve normally at the same rate, and connections between the synchronous motor and the driving mechanism of the standard clock whereby the spring of the latter is kept constantly wound.

1,502,494. TIME-INDICATING APPARATUS. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Apr. 2, 1920. Serial No. 370,787. 12 Claims. (Cl. 58—24.)



1. In an instrument of the class described, a synchronous motor, a gear driven thereby, two planet gears of unlike size connected together carried by said first mentioned gear and free to rotate about their support, a clock movement, a gear controlled thereby, one of said planet gears meshing with said last mentioned gear, an indicator, a gear adapted to rotate the same, the other of said planet gears being operatively connected with said indicator rotating gear, whereby variations in the relative speeds of the motor driven gear and the clock-controlled gear may be observed by the movement of said indicator.

1,502,495. AUTOMOBILE FENDER. CHARLES WEINBERG, Brooklyn, N. Y. Filed Sept. 1, 1921. Serial No. 497,566. 5 Claims. (Cl. 293—55.)



4. In an attachment for automobiles, a frame and means for fastening the same to the rearward end of an automobile chassis, a box carried by said frame, and means for clamping extra tires within said box, and a transversely extended resilient protective fender located rearwardly of said box.

1,502,496. SHAVING-STICK CONTAINER. PHILIP K. WILLIAMS, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a Corporation of Connecticut. Filed July 20, 1922. Serial No. 576,315. 6 Claims. (Cl. 206—56.)

1. A package comprising a cylindrical soap stick and a container therefor, including two caps and a split ring, said caps and said ring having screw threaded connections, said ring being adapted to slide on said soap stick when said caps are disengaged from said ring, and said



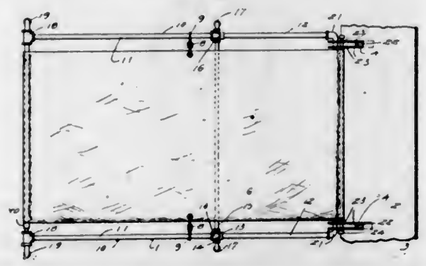
caps and ring being so proportioned and dimensioned that the threading of either of said caps on said ring binds the ring in place against said soap stick.

1,502,497. KITCHEN IMPLEMENT. CHARLES P. COX, Toledo, Ohio. Filed Mar. 10, 1923. Serial No. 624,174. 5 Claims. (Cl. 254—2.)



1. A kitchen implement of the character specified, comprising a blade, a frame attached to an end portion of the blade and projecting longitudinally therefrom to provide a lifter, and a second frame having pivotal connection with the first mentioned frame and constituting a bake pan and pastry tin lifter, and coacting means between the second frame and blade to hold the parts in determinate position.

1,502,498. FOLDING BED FOR AUTOMOBILES. CHARLES E. DAVIS, Bend, Oreg., assignor to Handy Auto Bed Company, Inc., Bend, Oreg., a Corporation of Oregon. Filed Feb. 2, 1922. Serial No. 583,560. 7 Claims. (Cl. 5—119.)



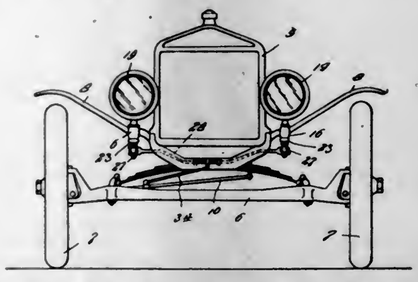
1. A device of the class described comprising a frame having a section adapted to assume either a substantially horizontal or an upstanding position, means for connection of said section to a running board, extension means for the frame utile in a substantially horizontal position when said section is substantially horizontal and in said position adapted to cooperate with said section to provide a bed frame, the extension means having its component parts foldable into compact relation to the said section whereby the said section in an upstanding position may form a luggage carrier, and a bed forming element including means normally maintaining the component parts of said extension means in bed forming relation.

1,502,499. TOY ARROW. THEODORE J. DECK, Baltimore, Md. Filed June 9, 1922. Serial No. 567,133. 1 Claim. (Cl. 102—26.)



An arrow having a tapered end, a tack having its head engaging the flat extremity of the tapered end, a removable paper cap fitting over the tapered end and having a hole therein through which the pointed end of the tack passes and wings upon the cap.

1,502,500. DIRIGIBLE HEADLIGHT CONSTRUCTION FOR MOTOR VEHICLES. NATHANIEL GRUENEICH, Long Lake, S. Dak. Filed Apr. 13, 1923. Serial No. 631,780. 1 Claim. (Cl. 240—62.)



In combination with an automobile machine having pivoted steering knuckles and a steering rod connected with the knuckles and bridging the space between them, a dirigible headlight mechanism comprising lamp posts pivotally mounted upon a portion of the machine which is superimposed with relation to the knuckles and which may have vertical movement with relation to the knuckles, a cross rod connected with the lamp post and disposed approximately parallel with said steering rod, collars mounted upon the cross rod at spaced intervals, a third collar slidably mounted upon the cross rod between the first mentioned collars, springs coiled about the cross rod and bearing at their inner ends against the opposite sides of the slidable collar and at their other ends against the first mentioned collars, and a rod pivotally connected with the slidable collar and disposed between the cross rod and the steering rod with its longitudinal dimension disposed at an acute angle to both of said rods, the last mentioned rod having an angularly disposed extension also pivotally connected with the slidable collar, and means pivotally connecting the last mentioned rod with the steering rod at a point to one side of all of the collars.

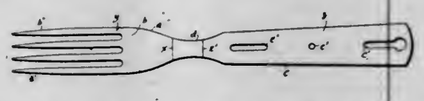
1,502,501. WATERPROOF BRICK. ANTONI GUMOWSKI, Camden, N. J. Filed Aug. 1, 1922. Serial No. 579,058. 1 Claim. (Cl. 91—68.)

As an article of manufacture, a brick having at least one of its faces waterproof, such face having a shellac coating thereon with the shellac coating partially permeating the brick at such face to produce the waterproof characteristic.

1,502,502. METHOD OF MAKING TABLE CUTLERY. AUSTIN W. HAWES, Greenfield, Mass., assignor to John Russell Cutlery Company, Turners Falls, Mass., a Corporation of Massachusetts. Filed Mar. 26, 1921. Serial No. 455,865. 5 Claims. (Cl. 76—105.)

1. The hereindescribed method of making table cutlery which comprises cold rolling a bar of wrought iron or steel to impart to the surfaces thereof a hardened and

polished finish, cutting blanks for the articles from said strip, and shaping and finishing the blanks to form the



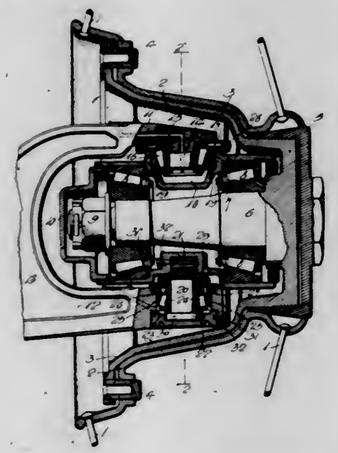
completed articles whereby the original surfaces of the blanks become, without change, the finished surfaces of the completed articles.

1,502,503. CATAMENIAL APPLIANCE. JOSEPH HOLLRIGL, Manchester, N. H. Filed Feb. 28, 1922. Serial No. 540,024. 3 Claims. (Cl. 128—285.)



1. A device of the character described comprising a cup member, a hollow stem carried thereby and having a perforated head, and a flexible bag connected with said cup member, said cup member having its upper surface concaved and formed with a plurality of perforations.

1,502,504. AUTOMOBILE STEERING KNUCKLE AND AXLE. WILLIAM MARTIN JONES, Jr., Rochester, N. Y. Filed Apr. 21, 1921, Serial No. 463,114. Renewed Dec. 26, 1923. 6 Claims. (Cl. 280—96.3.)



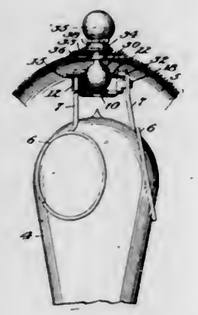
1. In combination, a wheel supported hub shell, an axle having upper and lower fork arms in close proximity to the upper and lower sides of said hub shell, and means for holding said arms and shell against relative vertical movement and for pivoting said shell between said arms, comprising upper and lower weight supporting bearings associated with the upper and lower fork arms and equally distributing the entire load upon both of said arms.

1,502,505. CUT-OFF OR NAIL-CHECKING ATTACHMENT FOR NAILING MACHINES. JOSEPH KARSKY and HERMAN MEYER, Eau Claire, Wis. Filed June 12, 1922. Serial No. 567,711. 2 Claims. (Cl. 1—6.)



2. In a nailing machine, a supporting plate formed with a guide and having an opening communicating with a nail tube, an angular bracket secured to the plate and formed with a bifurcation, bars arranged in spaced relation and secured upon said angular plate to constitute a nail chute leading to said opening, a slide mounted for reciprocation upon the support and having an opening adapted to register with the chute and the tube, and a pair of plates secured upon the slide and having their corners most remote from the chute diagonally cut away to be in non-obstructing relation to the opening in the slide and to define a point and a cam edge on one plate, said point being out of alignment with the corresponding point of the other plate to act as a check for holding back the nails in the chute, said inclined edge camming the nails into said opening in the slide.

1,502,506. LAMP-SHADE SUPPORT. WILMAR F. LENT and GEORGE L. HINMAN. New Haven, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 21, 1921. Serial No. 454,289. 2 Claims. (Cl. 240—138.)

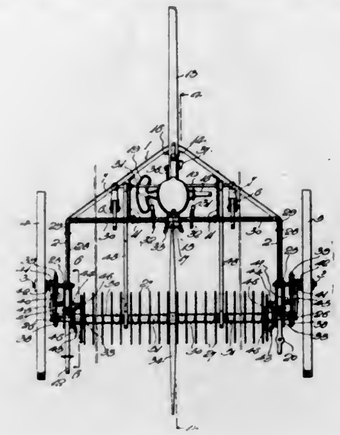


1. In a device of the class described, the combination with a plurality of wire coils for embracing a lamp bulb, a cage having laterally bent parts to receive the stems of said coils, a ball in said cage, clamping means for securing the wires to said cage and for retaining the ball therein, and a lamp shade connected with said ball.

1,502,507. FIELD IMPLEMENT. LEWIS LINK, Cottonwood Falls, Kans. Filed Aug. 6, 1923. Serial No. 656,073. 6 Claims. (Cl. 56—385.)

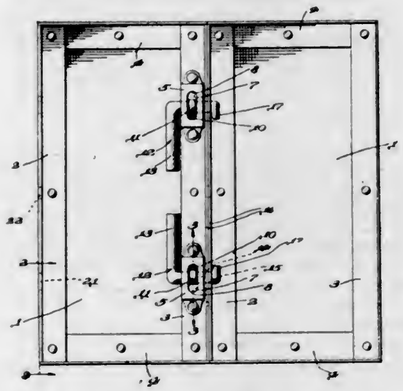
1. An implement comprising a frame having a pair of spindles and supporting wheels removably mounted thereon, a normally idle spindle carried by said frame at right angles to the aforesaid spindles and adapted for mounting one of said wheels when the implement is to be drawn

idly from one place to another, a tongue detachably connected to the frame and having a normally idle laterally extending spindle, and means for connecting said tongue



temporarily with the frame in a position at right angles to its normal operative position, the spindle of said tongue being then adapted for mounting the other wheel.

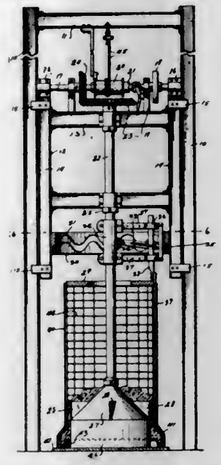
1,502,508. SECTIONAL STEEL FORMS FOR CONCRETE CONSTRUCTIONS. LESTER A. LONGLEY, Oconto Falls, Wis. Filed Dec. 31, 1921. Serial No. 526,223. 5 Claims. (Cl. 25—131.)



3. In a device as set forth, a plate provided with tie rod receiving openings, tie rods, brackets carried by said plate and provided with openings registering with said first named openings, locking levers carried by said brackets, cams on said locking levers for engagement with said tie rods and forcing them into gripping engagement with said brackets, said locking levers provided with transverse projections adapted for engagement with a second plate to maintain the plates in proper connected relation.

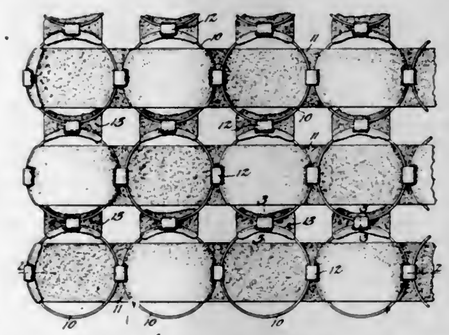
1,502,509. CONCRETE-PIPE-FORMING MACHINE. SAMUEL G. MACTARNAGHAN, Nunda, N. Y. Filed Oct. 3, 1923. Serial No. 666,381. 12 Claims. (Cl. 25—37.)

1. A pipe forming machine of the character described comprising an outer form having a height equal to the pipe section to be formed and having a diameter equal to the external diameter of a section, means for centering the cylindrical reinforcing web within the form, and means operating on the inside of said form and inward



of the web acting to force plastic material uniformly outward from the center toward the form and acting to smooth the inside of the pipe.

1,502,510. COVERED SPRING STRUCTURE. SAMUEL S. MARCUS and SAMUEL KRAKAUER, New York, N. Y. Filed Aug. 16, 1922. Serial No. 582,228. 4 Claims. (Cl. 5—353.)

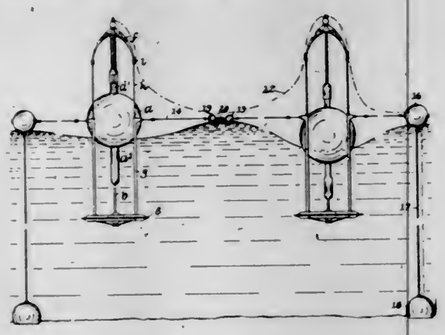


1. In combination, a covered spring structure embodying a plurality of rows of contiguous spring sections, and a common means for holding the same under partial compression and for insulating the convolutions thereof from each other, comprising a strip of flexible material connected at one extremity to one of the end convolutions of an end spring section and passed alternately under and over the spring sections of each row, and means for securing the strips at diametrically opposite points to the end convolutions.

4. In combination, a covered spring structure embodying a plurality of rows of contiguous spring sections and a common means for holding the same under partial compression and for insulating the convolutions thereof from each other, comprising a strip of flexible material connected at its opposite ends respectively to an end convolution of the end spring and alternately passed under and over the intermediate spring sections of each row, means for securing the intermediate portions of the strip to the end convolutions respectively at its points of contact therewith, and means for connecting the contiguous points of the end convolutions of the spring sections of

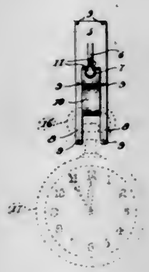
the adjacent rows and for insulating the convolutions thereof comprising a single vertical strip of a length approximately equal to the height of a spring section and passing between adjacent spring sections, the upper end of said strip being connected to adjacent parts of the contiguous upper convolutions and the lower end being connected to adjacent parts of the lower contiguous convolutions.

1,502,511. WAVE MOTOR. FREDERICK B. MARVIN, Port Jervis, N. Y. Filed Aug. 11, 1922. Serial No. 581,047. 13 Claims. (Cl. 253—5.)



4. A wave motor including a constant-level stator member, a surface-floating member operatively associated with the stator member to move up and down relatively thereto, the latter member including a submerged resistance member having a chamber for fluid under pressure, and means, carried by one of said members and actuated by the other on movement of the floating member relatively to the stator member, to deliver fluid into said chamber.

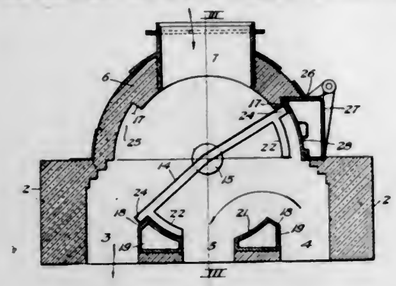
1,502,512. CLASP. GEORGE MEZEI, Clinchco, Va. Filed Mar. 13, 1924. Serial No. 698,940. 1 Claim. (Cl. 24—3.)



In an article of the type described, a body portion formed of relatively thin material, an S-shaped hook stamped therefrom and formed by an upward bending of the portion cut from said body portion, and a latch member cut from said body portion and bent outwardly therefrom for the purpose of yieldably engaging the outer transverse edge of the hook member.

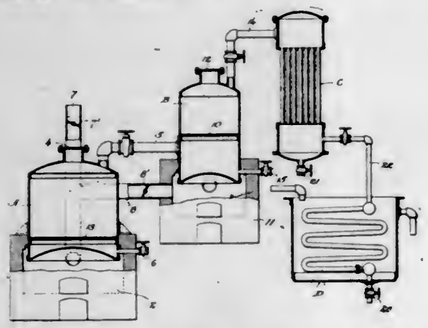
1,502,513. REVERSING VALVE. RUSSELL G. MILLER, Pittsburgh, Pa. Filed Dec. 15, 1921. Serial No. 522,673. 8 Claims. (Cl. 137—148.)

1. A reversing valve comprising a casing having an inlet port, a middle outlet port, and outer circulation ports, and a pivotally mounted water cooled valve extending transversely across within the casing adapted to alternately open and close each circulation port with relation to the inlet and outlet ports respectively, and having



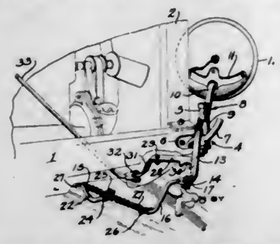
water cooled lateral extensions adapted to be located alternately between the outlet port and either circulation port.

1,502,514. MANUFACTURE OF WATERPROOF PAINT. DAVID B. MITCHELL and GEORGE J. MITCHELL, Louisville, Ky. Filed May 28, 1923. Serial No. 641,944. 14 Claims. (Cl. 134—17.)



10. The process of producing a base and vehicle constituents of waterproof paint which consists in contacting the vapor of heated rosin with commercial tire rubber having fabric vulcanized therein to render said rubber fluent, condensing the vapor from the rosin which passes through the rubber to form the paint vehicle, draining the fluent rubber from the fabric, crushing and grinding the fabric, and then mixing the crushed and ground fabric with the previously drained fluent rubber to form the paint base.

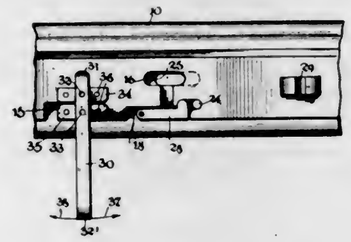
1,502,515. DIRIGIBLE HEADLIGHT. GIDEON MORRIS, Grand Saline, Tex., assignor of one-half to Willis H. Roberson, Grand Saline, Tex. Filed June 15, 1923. Serial No. 645,602. 2 Claims. (Cl. 240—62.)



1. In a dirigible headlight, opposite lamp supports having posts and secured to the opposite sides of the car, lamp brackets pivoted on the posts and carrying lamps and having rearwardly directed arms, a transverse rod

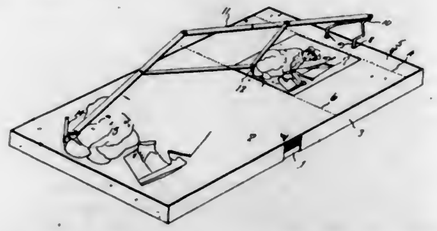
pivotally connected to the rear ends of said arms and passing beneath the chassis of the car, and a pitman having one end bifurcated to span the rod with a pin connected to the bifurcation to hold it to the rod, and pivotally connected at the other end to the steering crank arm for transmitting motion to the lamps to move the same in unison with the steering wheels, said transverse rod having adjustable stops secured thereon in spaced relation to the slidable connection of the pitman, and coiled springs surrounding the rod between the bifurcated end of the pitman and the stops to cushion the force imparted by the pitman to the transverse rod.

1,502,516. DEMOUNTABLE RIM. JOHN STANLEY MULTER, Portsmouth, Ohio. Filed July 9, 1923. Serial No. 650,514. 3 Claims. (Cl. 301—11.)



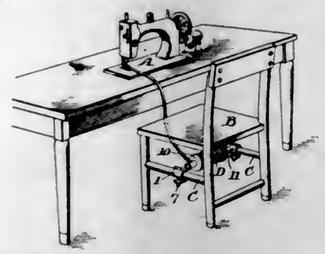
1. A demountable rim formed of a pair of telescopic sections, each of said sections consisting of a continuous clencher flange and an inwardly extending band, each of said bands projecting inwardly from the base of the flange, one of said bands having its inner portion inset with respect to its remaining portion, thereby providing a shoulder against which the other band abuts when the sections are in telescopic position, said inset portion provided with a plurality of bayonet slots, a semi-circular notch, a rectangular recess, an oval-shaped slot, a cut-out portion and an opening leading from said slot to said cut-out portion and further provided with a plurality of openings in proximity to said rectangular recess, the other of said bands provided with a plurality of lugs engageable in said bayonet slots and further having an oval gageable in said bayonet slots and further having an oval-shaped slot adapted to register with the oval-shaped slot in the inset portion, said last mentioned band provided with a plate seating in said rectangular recess and with a latch engageable in said semi-circular notch.

1,502,517. DRAWING PAD. JOHN C. MURRAY, Lakewood, Ohio. Filed Oct. 22, 1921. Serial No. 509,684. 4 Claims. (Cl. 283—45.)



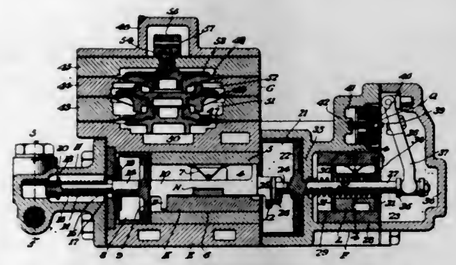
1. A pad comprising a plurality of sheets each having a stub end connected thereto by a severing line and each having a severing line spaced from the first mentioned severing line and a picture interposed between said lines, and means carried by the stub end of the pad for supporting a pantograph.

1,502,518. REEL SUPPORT. DOMINICK NASTA, Brooklyn, N. Y. Filed Jan. 23, 1924. Serial No. 687,958. 6 Claims. (Cl. 242—85.)



1. A reel support comprising two clamps adapted to be attached to the rungs of a chair or the like, upwardly projecting arms carried by said clamps, a rod, guide plates carried by said rod and members carried by the ends of said rod and provided with openings to fit said arms.

1,502,519. AIR-BRAKE APPARATUS. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed May 2, 1923. Serial No. 636,095. 22 Claims. (Cl. 303—27.)

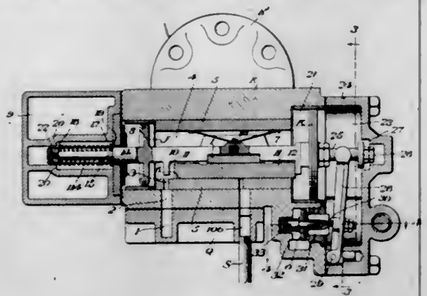


1. A triple valve for air brake apparatus formed with a main brake pipe chamber provided with a brake pipe connection and having aligned cylindrical extensions of different diameters at its opposite ends, a service piston in the smaller extension of said chamber, a larger release and emergency piston in the larger extension of said chamber, a supplemental brake pipe chamber on the opposite side of the service piston from the main brake pipe chamber, an emergency valve chamber on the opposite side of the emergency and release piston from the main brake pipe chamber, a main slide valve in the main brake pipe chamber, a graduating valve in said chamber, means operatively connecting said valves to the service piston, an emergency valve in the emergency valve chamber, means affording a lost motion connection between the emergency piston and the emergency valve, means affording a lost motion connection between the emergency piston and the service piston, the main and graduating valves being formed with ports and passages to control the admission and relense of brake cylinder pressure, and the emergency valve in emergency position operating to vent the brake pipe to atmosphere in emergency applications of the brakes.

1,502,520. AIR-BRAKE APPARATUS. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed July 13, 1923. Serial No. 651,313. Renewed May 29, 1924. 28 Claims. (Cl. 303—27).

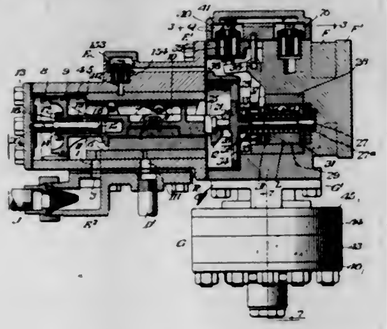
1. A triple valve for an air brake apparatus comprising a main slide valve, a graduating valve, a piston operatively connected to said valves and operating in response to a reduction in brake pipe pressure to move the

said valves to service application position to admit air to a brake cylinder and operating in response to an increase in brake pipe pressure to move the said valves into position to exhaust air from the brake cylinder, and a detachable restriction plate secured to the triple valve



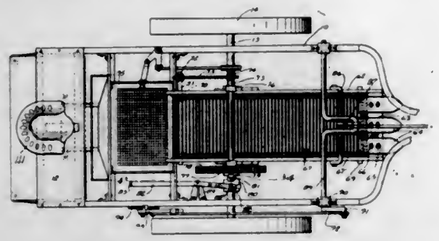
body and provided with passages adapted to form parts of the brake cylinder supply passage and the brake cylinder exhaust passage, whereby air flowing to the brake cylinder for an application of the brakes and from the brake cylinder for a release of the brakes must pass through the said passages in the restriction plate.

1,502,521. AIR-BRAKE APPARATUS. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 27, 1923. Serial No. 671,220. 8 Claims. (Cl. 303—27.)



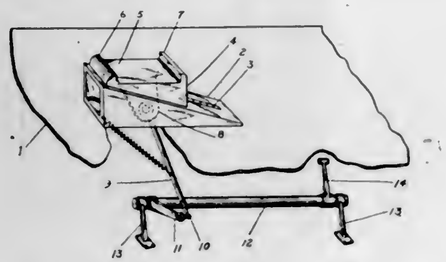
1. A triple valve for air brake apparatus formed with a main brake pipe chamber provided with a brake pipe connection and having aligned cylindrical extensions of different diameters at its opposite ends, a service piston in the smaller extension of said chamber, a larger release and emergency piston in the larger extension of said chamber, a supplemental brake pipe chamber on the opposite side of the service piston from the main brake pipe chamber, an emergency valve chamber on the opposite side of the emergency and release piston from the main brake pipe chamber, a main slide valve in the main brake pipe chamber, a graduating valve in said chamber, means operatively connecting said valves to the service piston, an emergency valve in the emergency valve chamber, means affording a connection between the emergency piston and the emergency valve, and means affording a connection between the emergency piston and the service piston, the main and graduating valves being formed with ports and passages to control the admission and release of brake cylinder pressure and the emergency slide valve in emergency position operating to vent the brake pipe to atmosphere in emergency application of the brakes.

1,502,522. VEGETABLE HARVESTER. HENRY C. NIEMEYER, Chicago, Ill. Filed Mar. 17, 1921. Serial No. 453,046. 5 Claims. (Cl. 55—9.)



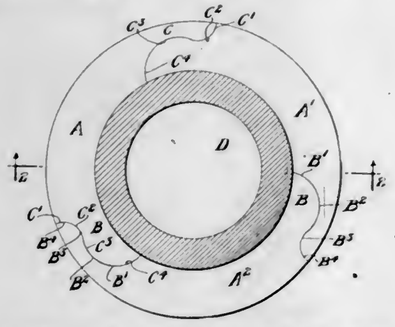
2. A harvester of the class described comprising a rear axle, a conveyor frame mounted thereon, an endless conveyor mounted in said frame, a plurality of plows mounted at the front end of said frame, and means for adjustably mounting said plows to dig a separate row of vegetables with each plow.

1,502,523. FOOT ACCELERATOR. NORMAN W. PEEK, Milwaukee, Wis. Filed Oct. 7, 1922. Serial No. 593,044. 3 Claims. (Cl. 74—81.)



1. In a device of the class described, a foot operated member for operating a part to be controlled, adapted to be moved by a foot of the operator, and means for guiding and supporting said member so that the same moves in a laterally inclined plane.

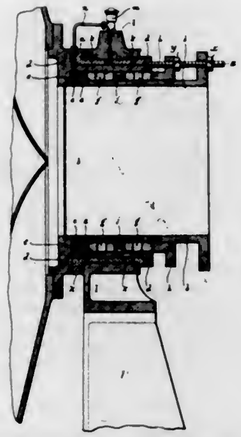
1,502,524. PISTON-ROD PACKING. JOSEPH W. PRICE, Jr., Philadelphia, Pa. Filed Oct. 25, 1919. Serial No. 333,395. 1 Claim. (Cl. 288—3.)



A metallic packing ring made up of two or more similar segments, each having an outwardly facing bulb shaped hook at one end and an inwardly facing bulb shaped hook at its other end, both of said hook ends having tapered ends to facilitate slip on each other in

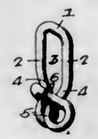
taking up wear, the contact of faces of said hooks being formed of merging reversed curves and said hooks being complementary to each other, so that said inner and outer hooks will interengage and fit together when assembled on a piston rod, and said hooked ends being so formed that the segments when assembled as a ring on a rod are locked against lateral displacement from each other and the rod and against angular displacement from each other.

1,502,525. STEAM CONDENSER. DAVID MCNAB RAMSAY, Glasgow, Scotland. Filed May 24, 1921. Serial No. 472,133. 1 Claim. (Cl. 286—8.)



In a steam condenser, a stationary trunnion-like steam admission pipe, a rotatory header-carrying member having a sleeve surrounding said pipe, a collar at the inner end of the steam admission pipe, a co-acting shoulder on the header-carrying member, a thrust bearing between said collar and shoulder at one side of the plane of the collar, and a gland packing between the pipe and sleeve on the opposite side of the plane of the collar on the steam admission pipe.

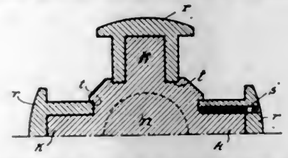
1,502,526. CHAIN LINK. MARTIN O. REHFUSS, Philadelphia, Pa., assignor to United States Chain and Forging Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 18, 1921. Serial No. 478,561. 6 Claims. (Cl. 59—92.)



1. A chain link consisting of a rod bent to form an open body and coils lying adjacent each other at one end of said body, the ends of the rod being respectively bent over the coils on one side of the body and terminating adjacent each other outside of the body on the same side thereof as that over which they are bent.

1,502,527. ROTARY FIELD MAGNET. WALTER REICHEL, Berlin-Lankwitz, and WILHELM GSCHEIDLEN, Berlin-Schmargendorf, Germany, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Nov. 6, 1920. Serial No. 422,359. 2 Claims. (Cl. 171—252.)

1. In a rotating field magnet system for electrical machines, a plurality of pole cores of substantially rectangular cross-section, all having a common hub integral therewith, and saddle-shaped pole hoods arranged there-



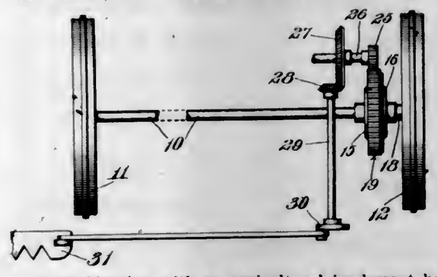
on, the shanks of said polehoods extending to said hub and only on the sides of the cores parallel to the rotor axis.

1,502,528. EXTENSIBLE TOOL HOLDER. LOUIS REULBACH, Cleveland, Ohio. Filed Oct. 15, 1921. Serial No. 507,918. 2 Claims. (Cl. 279—103.)



1. An extensible tool holder comprising the combination of a pair of members telescopically fitted together so as to be capable of endwise adjustment, the outer one of said members being fashioned with longitudinally spaced pairs of registering cross openings, the inner one of said members being provided with a crosswise extending bore adapted to register with either pair of said cross openings, a part yieldingly carried by said inner member so as normally to project into said bore and a pin selectively insertible through either pair of said cross openings and into said bore, said pin being fashioned with a groove adapted to be engaged by said part when the latter is in its inserted position.

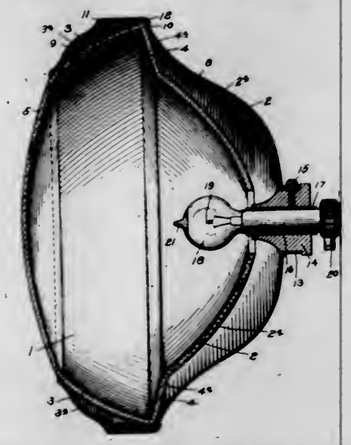
1,502,529. AGRICULTURAL IMPLEMENT. LOUIS A. RIEDESEL, Wheatland, Iowa. Filed June 5, 1924. Serial No. 718,115. 4 Claims. (Cl. 74—99.)



1. In combination with an agricultural implement having a member to be driven, an axle and a pair of supporting wheels on the axle, one of the wheels being fixed to the axle, the other of the wheels being rotatable upon the axle, opposed gear wheels mounted upon the axle and one secured to the axle and the other to the first

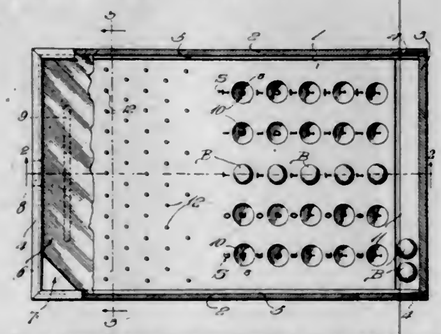
named wheel, a spider rotatably mounted upon the axle between said gear wheels and bearing pinions meshing with both of said gear wheels, an annulus mounted upon the periphery of the spider, means connecting the annulus to the spider during rotation of the spider in one direction and disconnecting the same during rotation of the spider in the opposite direction, and a connection between the annulus and the member to be driven.

1,502,530. LIGHT PROJECTOR. JOSEPH T. ROFFY, Pittsburgh, Pa., assignor to The Standard Corporation, a Corporation of West Virginia. Filed Nov. 17, 1920. Serial No. 424,641. 1 Claim. (Cl. 240—41.)



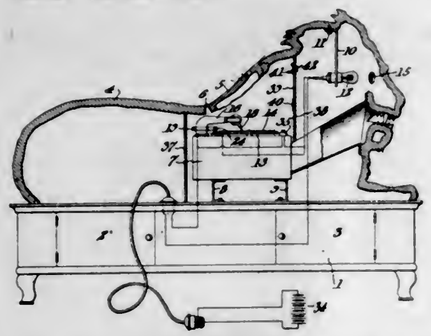
In a light projector, a blown glass unit comprising a reflector portion and a forwardly bulging portion serving as a cover and joining said reflector portion at the point of the unit's greatest circumference, a shell or casing comprising a rear portion spaced from the reflector portion of the glass unit except at its greatest circumference where the shell or casing is provided with a seat against which the glass unit rests and an annular casing closing member overlapping the front portion of the shell or casing and extending forwardly of the casing unit and out of contact therewith to a point where the circumference of the glass unit is materially less than its greatest circumference.

1,502,531. GAME BOARD. CHARLES A. ROSENTHAL, New Orleans, La. Filed Sept. 22, 1923. Serial No. 664,289. 1 Claim. (Cl. 46—41.)



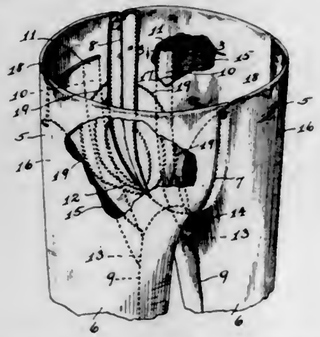
In a game board, the combination of a casing having a base and side and end boards, an aperture formed in one end board, a cover arranged on the casing and having an opening, a plate formed on the base in rear of the opening of the end portion, pins arranged on the base in rear of the plate, recesses arranged on the base in rear of the pins, a gutter formed in rear of the recesses, said recesses being provided with symbols and other symbols arranged outside the recesses, substantially as and for the purpose set forth.

1,502,532. PHONOGRAPH. CHARLES S. TOBIN, Miami, Fla. Filed Sept. 25, 1922. Serial No. 590,349. 4 Claims. (Cl. 192—121.)



1. In combination with a phonograph having a rotary platen and a swingingly mounted tone arm, means to simultaneously effect braking of the platen and display of a light, said light constituting a signal and a platen illuminating means, and an element carried by the tone arm and swinging therewith to engage the first mentioned means and effect operation thereof.

1,502,533. TROUSERS. SAMUEL B. WAXMAN, Baltimore, Md., assignor to L. Greif & Bro. Incorporated, Baltimore, Md., a Corporation of Maryland. Filed June 6, 1922. Serial No. 566,316. 2 Claims. (Cl. 2—126.)

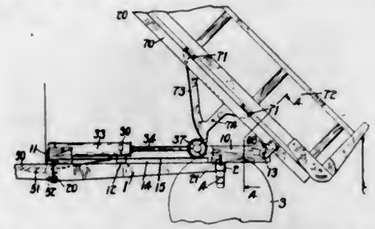


1. A trouser garment having a body and leg-parts and provided with the usual inseams in the legs, said trouser having narrow fabric stay strips whose upper ends are stitched to the inner side of the trousers about the waistline and which extend down along the inner side of the seat and project forwardly into the legs below the crotch the lower forward ends of said narrow fabric stay-strips being stitched in the inseams of the legs below the crotch of the garment.

1,502,534. VEHICLE-BODY DUMPING APPARATUS. LOGAN T. WOOD, Milwaukee, Wis. Filed May 11, 1921. Serial No. 468,655. 9 Claims. (Cl. 298—22.)

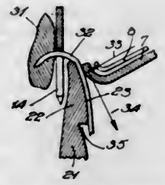
1. Means for tilting a vehicle body about a fixed axis and in respect to a chassis whereby said body is carried, said means comprising spaced relatively inclined sets of

tracks carried respectively by the body and by the chassis, each set including a plurality of tracks, and wedge means movable substantially horizontally along



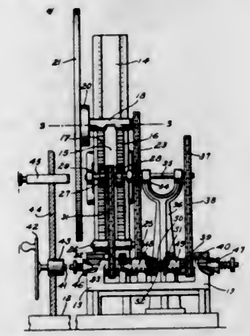
between said tracks, and constructed and arranged to cause equal angular movements of the members of the set of tracks carried by the body, whereby warping of the body is avoided.

1,502,535. METHOD OF AND MEANS FOR PICKING FOWL AND THE LIKE. VALEDO M. YOUNG, Chicago, Ill. Filed Apr. 16, 1923. Serial No. 632,257. 23 Claims. (Cl. 17—11.)



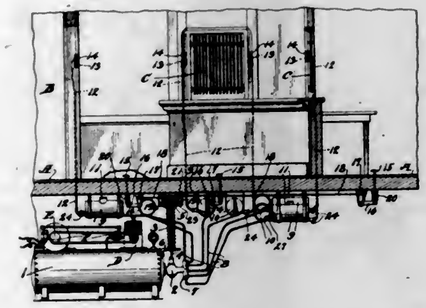
23. The method of pulling feathers which comprises training the feather over a smooth pressure surface, pressing a friction striker against the feather to grip the same between the striker and the smooth surface and sliding the striker and the feather along said surface to pull the feather.

1,502,536. MAP MOUNTING AND MEANS FOR OPERATING IT. HARRY FRANK AMMIDOWN, Southbridge, Mass. Filed July 2, 1923. Serial No. 649,132. 2 Claims. (Cl. 35—6.)



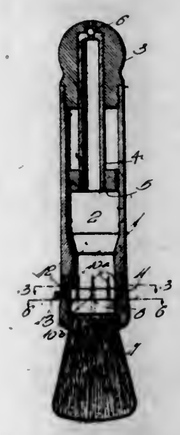
1. A map mounting or support which includes a frame vertically disposed, a carriage slidable with respect to said frame, a disk mounted on said carriage for rotation, mechanical gearing means connected to said carriage to move it in a vertical plane, gear elements connected to said disk for rotation of it on the carrier, a manually operable shaft, and means disposed adjacent the shaft and adapted to connect it to the respective sets of gearing elements as the shaft is selectively moved in one direction or another for a separate and independent movement of the carriage and the disk thereon.

1,502,537. HOLDUP-PREVENTING DEVICE. ARTHUR E. ANAKIN, Long Beach, Calif., assignor to Anakin Specialty Manufacturing Company, Long Beach, Calif., a Corporation of Delaware. Filed Apr. 18, 1922. Serial No. 555,521. 10 Claims. (Cl. 20—1.01.)



3. A holdup preventing device for institutions having windows and an entrance, conduits leading to each side of said windows and entrance, breakable seals for said conduits, chemical discharge means under pressure and associated with the conduits, means for releasing said pressure to break said seal.

1,502,538. FOUNTAIN LATHER BRUSH. ARTHUR J. ANDERSON, Binford, N. Dak. Filed May 15, 1923. Serial No. 639,132. 2 Claims. (Cl. 15—138.)

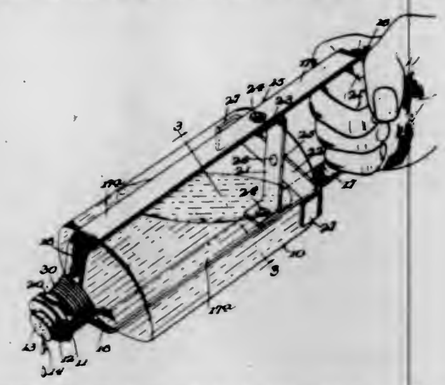


1. In a device of the class described, the combination with a casing, of a cap detachably mounted on said casing, a hollow plunger attached to said cap, a head on said plunger, said cap and plunger provided with valve means, and a brush supported upon said casing.

1,502,539. POISON APPLIER. FLETCHER GLADSTONE ASBILL, Ridge Springs, S. C. Filed Aug. 23, 1923. Serial No. 659,025. 5 Claims. (Cl. 215—100.)

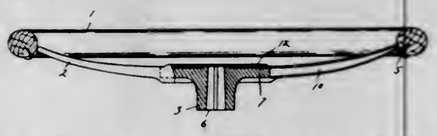
1. In a poison applier, a container for the poison comprising a bottle and a holder for the bottle comprising a U-shaped frame having a body portion and side bars, the side bars extending longitudinally of the bottle and engaging the outer periphery thereof at diametrically opposite points, means for clamping the side bars into engagement with the periphery of the bottle, a spider secured to the side bars and engageable with the base

of the bottle, the side bars of the frame extending beyond the base of the bottle and the body portion thereof



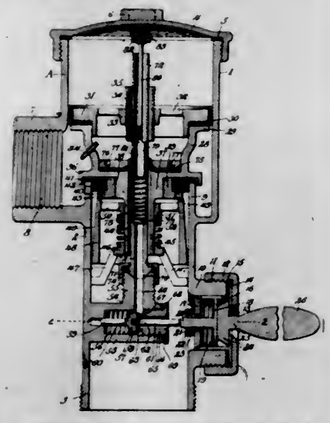
connecting the side bars at a point spaced from the base of the bottle and from the spider, and a block carried by the body portion to provide a handle.

1,502,540. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 21, 1923. Serial No. 640,588. 11 Claims. (Cl. 74—33.)



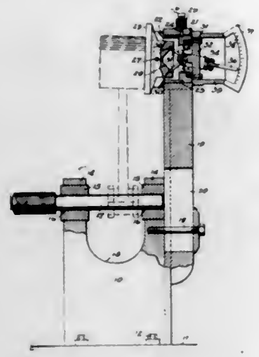
1. A steering wheel comprising a hub piece having integral radially extending projections, radially extending arms resting upon said projections and having flanges crimped over projections upon said hub piece, and a rim carried by said arms.

1,502,541. FLUSHOMETER. THOMAS ROBERT BEGGS, Hartford, Conn. Filed May 31, 1922. Serial No. 564,823. 28 Claims. (Cl. 137—93.)



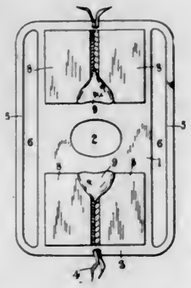
1. In a flushometer, a casing having means for connecting the interior thereof to a source of water supply under pressure, an outlet for connection to a bowl to be flushed, and means for retaining a predetermined pressure of water in the casing during the flushing operation.

1,502,542. ALIGNING JIG. NORMAN A. BEST, Midland, Mich. Filed Feb. 16, 1923. Serial No. 619,509. 3 Claims. (Cl. 33—180.)



1. A piston aligning jig comprising a base, means for supporting a connecting rod and piston therefrom, a column projecting vertically from said base, a pivoted face plate carried by said column, a pivoted yoke carried by said column, means for operating the pivoted yoke by the pivotal movement of said pivoted face plate, means carried by said pivoted yoke and movable therewith, and a stationary scale on said column over which said last-mentioned means is movable for indicating the pivotal movement of said yoke and said face plate.

1,502,543. MARINE LIFE-SAVING APPLIANCE. MARLETT DAWES BODDY, London, England. Filed June 26, 1923. Serial No. 647,871. 5 Claims. (Cl. 9—17.)

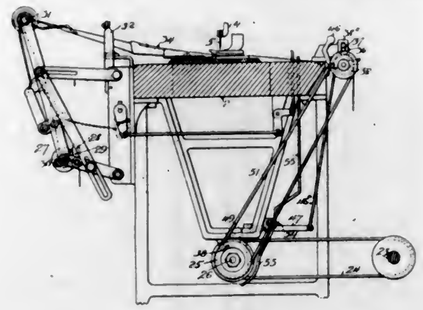


1. A marine life-saving appliance of the kind set forth comprising in combination a buoyant compartment formed of solid cork, a recess in the edge of said compartment which lies nearest the head of the wearer, and means of a soft nature associated with said recess for preventing the chin of the wearer from entering therein.

1,502,544. STRIP-FEEDING MECHANISM FOR SEWING MACHINES. JOHN BOSTON, Newark, N. J., assignor, by mesne assignments, to Thomas Harden Carter. Filed Sept. 4, 1918. Serial No. 252,527. 18 Claims. (Cl. 112—203.)

1. The combination of a sewing machine adapted to stitch a strip of fabric and means for winding up the

strip of fabric, including a roller, a slip clutch for operating said roller and a brake controlled by the strip



of fabric for resisting the operation of said roller by its operating means to change the speed of operation of the roller for the purpose set forth.

1,502,545. STRAINER FOR GASOLINE TANKS. NELSON M. BOWES, Saybrook, Conn. Filed Nov. 15, 1923. Serial No. 674,933. 2 Claims. (Cl. 210—169.)



2. A strainer for the gasoline tank of an automobile comprising a straining tube adapted to be inserted into the filling neck of the tank and having a continuous flange at its upper end to be clamped on top of said neck by the cap therefor, said flange and the contiguous portion of the tube having notches formed therein to receive neck-engaging retaining fingers on the cap.

1,502,546. COMBINED STEAM AND INTERNAL-COMBUSTION LOCOMOTIVE. JACOB BUCHLI, Baden, Switzerland. Filed Sept. 25, 1923. Serial No. 664,687. 2 Claims. (Cl. 105—62.)



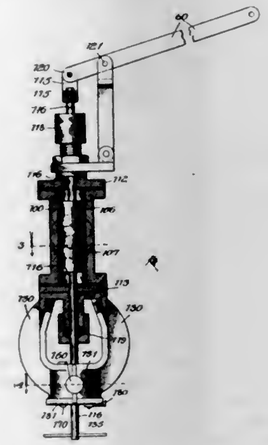
1. In a combined steam and internal combustion engine locomotive, the combination of at least two power units or groups coupled together for operating independently of each other, each group being formed by at least one vehicle, and one group being propelled by steam and the other by internal combustion engines, one of said power units carrying the fuel and water for both groups.

1,502,547. DIATOMACEOUS EARTH PRODUCT AND PROCESS OF MAKING THE SAME. ROBERT CALVERT, KARL L. DERN, and GORDON A. ALLES, Lompoc, Calif. Filed Nov. 6, 1922. Serial No. 599,434. 26 Claims. (Cl. 252—2.)

1. The process which consists in mixing finely divided diatomaceous earth with a material adapted to lower the sintering point thereof and then calcining at a temperature sufficient to sinter the siliceous dust in the material but not sufficient to sinter the mass.

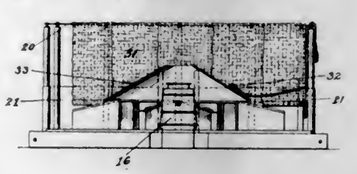
22. A new article of manufacture consisting of a calcined finely divided mixture of diatomaceous earth and a halide of an alkali forming metal.

1,502,548. AUTOMATIC CONTROL DEVICE. GERALD S. CARRICK, Chicago, Ill. Filed Jan. 26, 1921. Serial No. 439,992. 3 Claims. (Cl. 251—75.)



3. In an automatic control device, a valve with a constant stroke controlled by fluctuations in a variable through a constant range, said valve comprising a cylinder with diametrically arranged ports in its side, a piston adapted for vertical movement in the cylinder and having a port adapted to register with the ports in the cylinder, and means for rotating the piston, so as to vary the maximum opening through the valve.

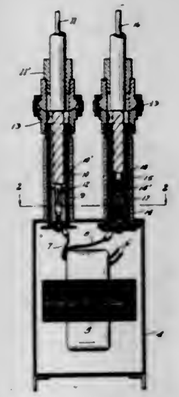
1,502,549. BROODER. VALENTINO CASAZZA, Vineland, N. J. Filed Sept. 10, 1923. Serial No. 661,902. 5 Claims. (Cl. 119—32.)



1. In a brooder platform, a pair of semi-cylindrical floor sections adapted to be secured together to provide a circular floor, posts extending upwardly from each of said sections about the periphery thereof, and a wall

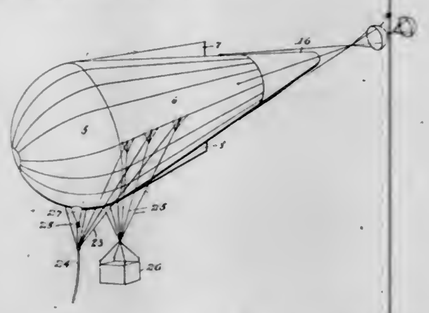
detachably secured to said posts and enclosing the circular floor, the end posts of each of said sections being spaced from the meeting edges of the sections whereby to form spaces in said walls, and drinking fountains having restricted portions engageable between said posts and completing the wall.

1,502,550. ELECTRICAL CONNECTION. GEORGE L. CHAMBERLAIN, Chicago, Ill. Filed Aug. 14, 1922. Serial No. 581,622. 6 Claims. (Cl. 173—363.)



6. The combination of a metallic casing; an electrical transformer mounted in said casing; two tubes leading into said casing and provided with insulating linings; a metallic socket mounted at the inner end of the lining in one tube; a complementary pin mounted at the inner end of the lining of the other tube; wires leading from said socket and pin to the primary winding of said transformer; a lead insertable in one of said tubes and provided with a pin insertable in the socket therein; and another lead provided with a socket insertable in the other tube and engageable with the pin therein or with the pin on said other lead, substantially as described.

1,502,551. CAPTIVE BALLOON. MATT Q. CORBETT, WILLIAM E. HUFFMAN, and CLARENCE F. ADAMS, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,023. 7 Claims. (Cl. 244—4.)



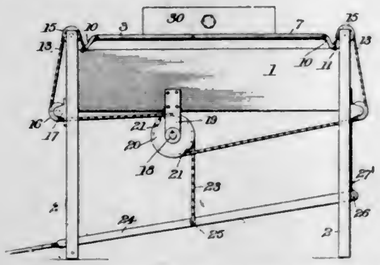
1. A captive balloon embodying a variable capacity aerostat having a hemispherical nose portion, a conoidal after portion, and internal elastic stays attached to the rear part of said after portion and serving to flex said rear part inwardly to vary the cubical internal capacity.

1,502,552. PUMP SCREEN. MARTIN ROBERT DONNALLAN, Long Beach, Calif. Filed July 23, 1923. Serial No. 653,394. 6 Claims. (Cl. 210—170.)



1. A pump screen comprising a collar having its inner edge formed with an annular seat against which is adapted to be positioned the edge of the inlet end of the main shaft of the pump, said collar overlapping and extended from said end, a hollow foraminous element integral with and extended from the lower face of said collar and controlling the entrance of material to the inlet end of a pump shaft, and means connected with said collar for detachably connecting it to the main shaft of the pump.

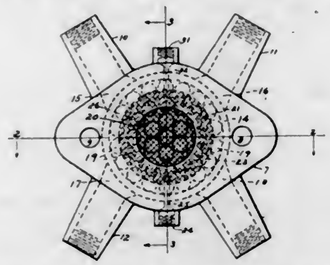
1,502,553. APPARATUS FOR TESTING AND REPAIRING RADIATORS. JOE FRANK DOZIER, Nashville, Tenn., assignor of one-half to J. T. Jolley, Nashville, Tenn. Filed June 8, 1922. Serial No. 566,821. 8 Claims. (Cl. 73—51.)



1. In an apparatus of the character described, a tank, a horizontal frame within said tank, flexible members attached at one end to the frame at separated points for suspending the same, revoluble members over which the flexible members pass, and means connected to all of the flexible members at the other end thereof and operable to pull each of the flexible members vertically the same distance, so as to raise the frame while maintaining its horizontal position.

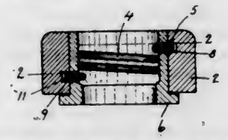
1,502,554. VAPORIZER. CHARLES W. DUCKWORTH, Jacksonville, Fla. Filed Sept. 4, 1923. Serial No. 660,769. 2 Claims. (Cl. 48—180.)

1. In a vaporizer of the class described, an inner part having a chamber with one or more inlets and outlets through which the exhaust from the engine flows; a plurality of tubes placed in said chamber and heated by the exhaust; a fuel inlet part having a conical opening communicating with the said tubes; an air inlet in said fuel inlet part; a screen interposed in said conical opening;



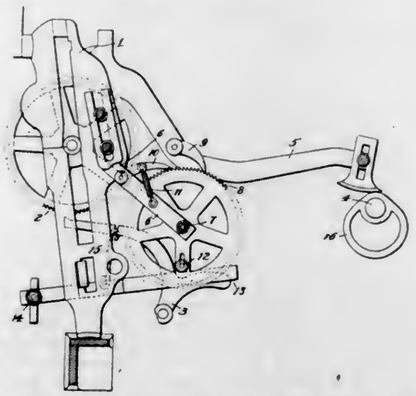
a fuel outlet part for guiding the vaporized fuel into the engine; an air inlet in said fuel outlet part; and means for attaching the vaporizer.

1,502,555. LOCKING DEVICE. OSKAR ARVID EKLUND, Stockholm, Sweden. Filed July 6, 1923. Serial No. 649,971. 1 Claim. (Cl. 151—14.)



A locking device comprising a nut, a spiral spring engaging the threads of a screw, and a sleeve mounted in the nut, one end of the spring extending through a hole in the sleeve and projecting into a slot in the nut the other end of the spring extending through a slot in the sleeve and projecting into a slot in the nut.

1,502,556. CLOTH-FEED INTERRUPTER FOR AUTOMATIC LOOMS. GEORGE AVERY FRANKLIN, Augusta, Ga. Filed Sept. 21, 1921. Serial No. 502,287. 2 Claims. (Cl. 139—24.)



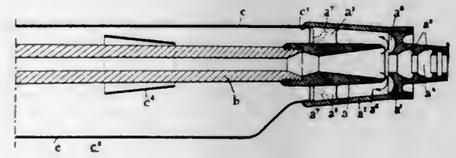
1. In a take up interrupting attachment for looms, the combination with a pick wheel and an actuating pawl therefor, a rotating member, means actuated in the operation of the loom for intermittently rotating said member, an arm pivoted to the loom, a stud radially adjustable on the rotating member for displacing the arm from its normal position, and an operative connection between the arm and pawl whereby when the former is displaced the latter will be withdrawn from engagemene with the pick wheel and the take up interrupted for a predetermined period.

1,502,557. MOUNTING-BOARD SHAKING BOX AND BEARING THEREFOR. PETER C. CHRISTIAN FRIDRICHSEN, Independence, Mo. Filed June 19, 1922. Serial No. 569,204. 6 Claims. (Cl. 154—1.)



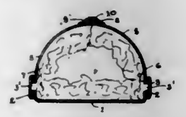
5. A mounting board shaking box comprising a receptacle for the reception of the removable mounting board for supporting tiles, a rectangular frame arranged below said receptacle and formed with longitudinal and transverse strips to provide a plurality of rectangular openings, portable ball bearings confined within said openings and supporting said receptacle and providing means to admit of the imparting to the receptacle the desired shaking or vibrating movements, and said receptacle being of greater height than the height of the mounting board.

1,502,558. RECOIL-ABSORBING MEANS FOR FIREARMS. NORBERT JULES ANDRÉ GALLIOT, Vaucresson, France, assignor of one-half to Georges Henri Louis Gaston Bory, Paris, France. Filed Nov. 1, 1921. Serial No. 512,078. 8 Claims. (Cl. 89—42.)



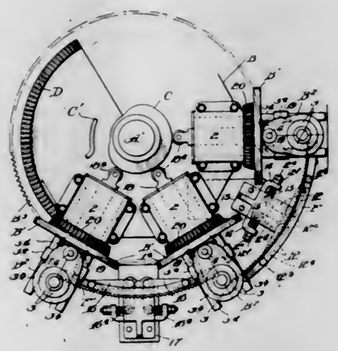
1. In a fire-arm, the combination of a barrel and of a recoil absorber mounted at the end of said barrel coaxially therewith and rejecting the gases of combustion in a backward direction, said recoil absorber comprising a nozzle coaxial with the gun muzzle and arranged in extension thereof; said nozzle being of divergent shape toward its outer end to afford an expansion chamber, an end closure for the nozzle having a central opening for the passage of the projectile therethrough, and a single annular gas escape passage, opening from the interior to the exterior of the nozzle, said passage being of increasing cross section toward its discharge end to accelerate the escape of gases therethrough, together with means arranged behind said recoil absorber for collecting substantially the whole of the gases escaping from said recoil absorber and being of sufficient size to permit substantially complete expansion of said gases, and means for allowing said gases after substantially complete expansion to escape into the atmosphere in a direction non-injurious to the personnel.

1,502,559. FOOTWEAR. PATRICK J. GIBLIN, La Crosse, Wis. Filed Mar. 16, 1922. Serial No. 544,330. 5 Claims. (Cl. 36—12.)



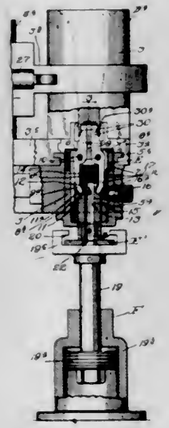
1. In a bedroom slipper or the like, an upper, a sole portion and a welt strip interposed between said upper and sole portion and connected thereto by substantially horizontally disposed stitching.

1,502,560. MACHINE FOR MAKING BOTTLES, ETC. WARREN E. GLASPEY, Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y., a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,596. 16 Claims. (Cl. 49—9.)



16. In a machine of the character set forth, the combination of a mold-carrier, a series of molds carried thereby, nuts carried with said molds, threaded mandrels working through said nuts, frictionally-held gears mounted on the lower ends of the mandrels, yieldingly-mounted racks disposed on opposite sides of the path of said gears, one of said racks being adapted to turn the gears in a direction to elevate the mandrels and the other of said racks being adapted to turn the gears in the direction to lower the mandrels, and stops serving to limit the raising and lowering of the mandrels.

1,502,561. MACHINE FOR MAKING BOTTLES, ETC. WARREN E. GLASPEY, Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y., a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,597. 15 Claims. (Cl. 49—9.)



1. In a machine of the character set forth, the combination of a mold-carrier, a series of molds carried thereby, a non-rotating mandrel associated with each mold and equipped with a sheathable lug-forming member, and means for raising and lowering the mandrels.

1,502,562. THERMOPILE AND METHOD OF ITS MANUFACTURE. HERBERT HAUSRATH, Durlach, near Karlsruhe, Germany, assignor to the Firm of Schott & Gen., Jena, Germany. Filed Aug. 15, 1922. Serial No. 582,030. 5 Claims. (Cl. 171—73.)

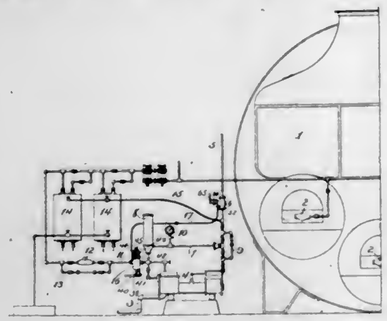


3. Method of making thermo-piles, consisting in connecting two foils of different metal along a line, dividing out of this pair of foils a number of strips side by side and substantially parallel to each other in such a direction that each strip crosses the said line and connected with each other on both ends by a coherent margin, superposing a plurality of such pairs of foils, and fixing them upon each other in such a way that of two strips, consisting of different metals, only two ends each are in electric contact with each other, and then removing the said coherent margins.

1,502,563. PROCESS OF BREAD MAKING. WILFRID PAUL HEATH, Chicago, Ill. Filed Apr. 29, 1922. Serial No. 557,379. 7 Claims. (Cl. 99—10.)

1. In the manufacture of bread, the process of controlling the atmospheric bubble content thereof, consisting in agitating the bread materials in an atmosphere of carbon dioxide, and thereafter producing with yeast, in the same materials, a fermentation process, thereby forming a bread or bakery product having a homogeneous atmosphere in all its bubbles.

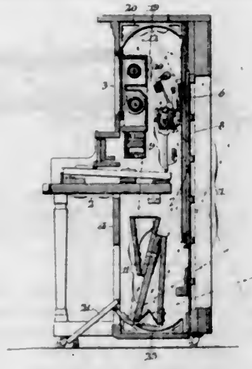
1,502,564. STEAM-BOILER PLANT. FREDERICK HEATH, Bellingham, Wash. Filed Jan. 26, 1923. Serial No. 615,122. 4 Claims. (Cl. 103—13.)



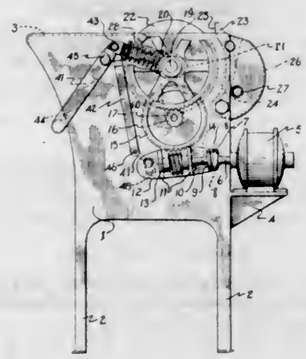
4. The combination of an oil burner, a pump, an oil line leading from the pump to the burner whereby fuel may be delivered under pressure to the burner, a valve interposed in the oil line to control the flow therethrough and arranged to cut off the flow upon reduction of pressure in the oil line between itself and the burner, a valve controlling the flow of steam to the pump and in communication with the oil line to be normally held open by the pressure in the oil line, and means for closing said valve upon reduction in said pressure.

1,502,565. MUSICAL INSTRUMENT. FLORENCE J. HEPPE, Philadelphia, Pa. Filed Dec. 18, 1919. Serial No. 345,786. 2 Claims. (Cl. 84—189.)

1. In a piano the combination with a casing, a string frame therein, and a sounding-board to the rear of said string frame, of a plurality of concave reflectors of minimum vibratory character disposed around the sides, top and bottom of the casing, said reflectors having their reflecting surfaces directed toward the string frame for reflecting sound waves back toward the sounding board.

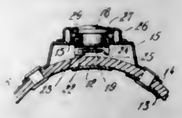


1,502,566. IRONING MACHINE. EDGAR R. HILL, Oak Park, Ill. Filed Jan. 12, 1922. Serial No. 528,622. 8 Claims. (Cl. 68—9.)



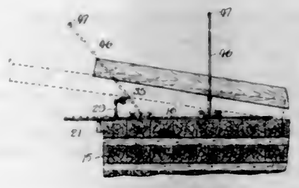
1. In an ironing machine, a frame, an ironing shoe extending between the ends of the frame, means for heating the ironing shoe, a pivoted arm at each end of the frame, a feed roll rotatably mounted in the ends of the said arms, a lever pivotally mounted on each end of the frame, yieldable means connecting the end of each lever with the shaft of the feed roll, a driving mechanism for rotating the feed roll comprising a worm and gear, means for rotating the worm, a plate pivotally mounted at one end of the frame and rotatably supporting the worm, the said plate being provided with a recess, a cam rotatably mounted in the recess and provided with a spring arm, a bar pivotally connecting the end of one lever with the spring arm of the cam, the arrangement being such that upon upward movement of the levers to move the feed roll toward the ironing shoe the worm is moved into mesh with the worm gear and upon downward movement of the levers to withdraw the feed roll from the ironing shoe the worm is moved out of mesh with the worm gear.

1,502,567. HANDLAMP SWITCH. FREDERICK L. HUMESTON, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed Feb. 24, 1923. Serial No. 620,919. 14 Claims. (Cl. 200—60.)



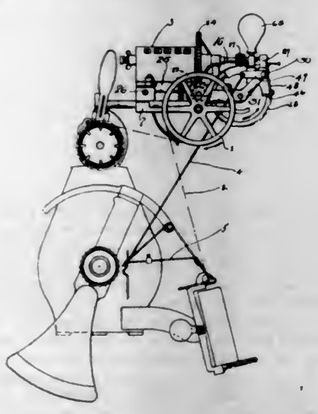
1. A contact device for battery hand lamps comprising a contact member for closing the lamp circuit and a rotatable element adapted to cooperate with said contact member to lock said member positively, in open circuit position whereby all movement of said member is prevented.

1,502,568. APPARATUS FOR HANDLING RAILWAY TIES. ROBERT S. HURLEY, Toledo, Ohio. Filed June 18, 1923. Serial No. 645,947. 20 Claims. (Cl. 214—1.)



1. In an apparatus for unloading ties from ricks, the combination of a track insertible between the topmost and next underlying horizontal rows of ties, and a transversely disposed teetering bar on the forward end of said track.

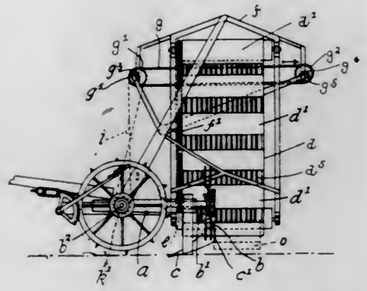
1,502,569. MEASURING APPARATUS. CHARLEY F. HUSSEY, Milwaukee, Wis., assignor to Precision Machine Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 2, 1921. Serial No. 466,355. 15 Claims. (Cl. 33—132.)



1. A device for measuring the length of yarn comprising a driving wheel over which said yarn passes, counting mechanism operatively associated with said driving wheel to register the length of yarn which passes over said driv-

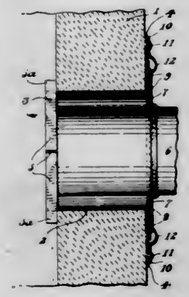
ing wheel, and a cam operated catch for disconnecting said counting mechanism from said driving wheel when a predetermined length of yarn has passed over said driving wheel.

1,502,570. POTATO DIGGER. WILLIAM JOHNSTON, Ballykilbeg, Ireland. Filed July 1, 1918. Serial No. 242,722. 1 Claim. (Cl. 130—32.)



In a potato digger, a flexible, endless riddle to receive and separate the potatoes, haulms and soil discharged thereupon, means for actuating said riddle, an inclined screen for receiving the potatoes from said riddle, and having its lower discharge terminal at an angle in the same direction as the main portion and of a resilient nature in order to cause the potatoes to jump beyond the end of the angular position, and means to agitate said screen laterally.

1,502,571. STOVEPIPE MOUNTING. ANTON KATRINA, Yukon, Pa. Filed July 5, 1923. Serial No. 649,707. 1 Claim. (Cl. 126—314.)



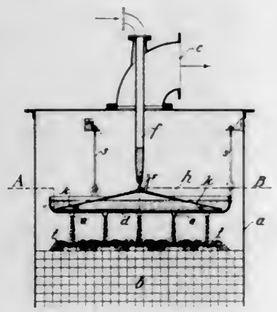
In a stove pipe mounting, a wall sleeve positioned in a chimney wall and having a relatively wide annular end flange forming a face plate for the inner side of the chimney wall, a pair of crossed bars embedded in the outer end edge of said wall sleeve and projecting from the periphery thereof for engaging the face of the chimney for retaining the sleeve in the wall, a centrally apertured disk plate of greater diameter than the bore of said sleeve, an annular bead formed in said disk plate adjacent its peripheral edge, pivotal cleats carried by the end flange of said wall sleeve and adapted to engage the bead formed in said disk plate for clamping the latter against the outer face of said end flange and for retaining the aperture of said disk plate in axial alinement with the bore of said wall sleeve, and a stove pipe having its outlet end projecting into said wall sleeve through the aperture in said disk plate.

1,502,572. BUCKLE FOR STRAPS AND BELTS. ALLEN H. KERNGOOD, Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Sept. 25, 1923. Serial No. 664,757. 6 Claims. (Cl. 24—194.)



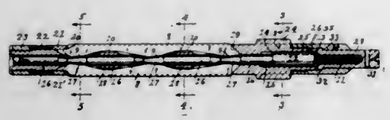
1. A buckle having a frame provided with channel side bars and a slide having side flanges and accurately mounted and slidable in said channel side bars.

1,502,573. SPRINKLING DEVICE FOR GAS SCRUBBERS, COOLING TOWERS, AND THE LIKE. ARTHUR KUHN, Recklinghausen, Germany, assignor to Firm: Carl Still, Recklinghausen, Germany. Filed May 3, 1922. Serial No. 558,280. 8 Claims. (Cl. 299—58.)



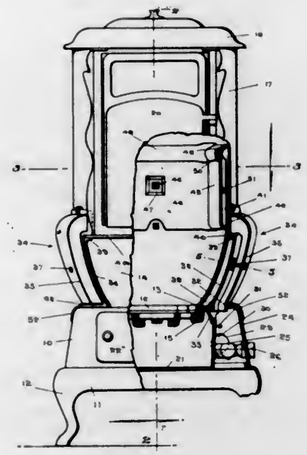
7. A sprinkling device for gas scrubbers and the like comprising a tray having equally distributed outlets throughout its base and means for maintaining a coherent layer of practically undisturbed liquid above all outlets.

1,502,574. ADJUSTABLE REAMER. OSKAR KYLIN, Elkhart, Ind. Filed Jan. 3, 1921. Serial No. 434,496. 2 Claims. (Cl. 77—76.)



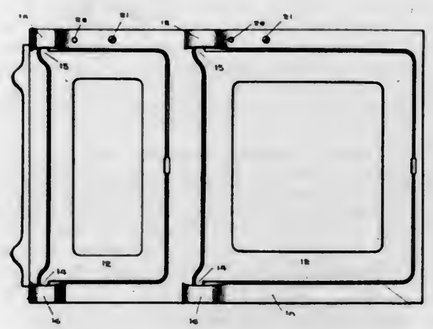
1. In an adjustable reamer, the combination of a body having a central bore, and a plurality of longitudinal blade slots, a plurality of outwardly and inwardly movable blades formed with cam seats on their ends and cam surfaces on their inner edges, a longitudinally movable spindle mounted in said central bore having a plurality of cams engaging the cam surfaces on said blades, a collar sleeved on said body formed with an internally beveled end facing said spindle cams and clampingly engaging one end of said blades, fixed cams on said body engaged with the other end of said blades, and a spring backing said collar and adapted to be compressed by the longitudinal movement of said spindle and blades in the same direction after the reamer has been inserted in a hole and its blades expanded into contact with the wall of the latter, said spring and spindle operating to feed said blades outwardly when reaming after said spring has been thus compressed.

1,502,575. COMBINATION COAL AND GAS HEATER. HENRY LANGE, Quincy, Ill. Filed July 13, 1923. Serial No. 651,321. 15 Claims. (Cl. 126—58.)



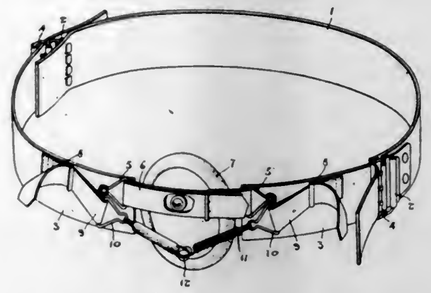
1. A combination heater comprising a base shell having a top, a side wall and a chamber therein adjacent to said wall under said top, a firepot on the top of the shell, and a fluid fuel burner within said chamber under the top and behind the wall of the shell.

1,502,576. STOVE HINGE. HENRY LANGE, Quincy, Ill. Filed Jan. 21, 1924. Serial No. 687,606. 17 Claims. (Cl. 126—194.)



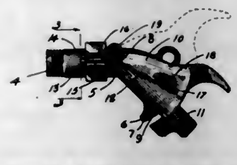
1. A structure of the character described comprising a wall having a hinge portion and an opening behind said hinge portion, an outwardly opening door at the outer side of said wall having a pintle inserted from the inner side of said wall outwardly through said opening into said hinge portion, and means for retaining said pintle in said hinge portion.

1,502,577. TRUSS. THOMAS J. LE CRAS, Toronto, Ontario, Canada. Filed Mar. 27, 1922. Serial No. 547,347. 2 Claims. (Cl. 128—111.)



1. In a truss, a belt, a pad flexibly supported at a point above its centre from the belt, and a pair of elastic members connected to the pad below its centre and extending angularly outward and upward therefrom adjustably connected to the belt at points either side of the pad.

1,502,578. ATTACHMENT FOR MOLASSES GATES. HARRY T. LEISENRING, Denver, Colo. Filed Aug. 25, 1922. Serial No. 584,238. 2 Claims. (Cl. 251—125.)



1. An attachment adapted to be applied to a molasses gate for the purpose of causing the same to close, comprising, in combination, a pair of springs, a clamping member having means for securing it to a cylindrical member, and means for clamping the ends of said springs.

1,502,579. PANEL-BOARD SWITCH. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Sept. 16, 1922. Serial No. 588,576. 9 Claims. (Cl. 200—168.)

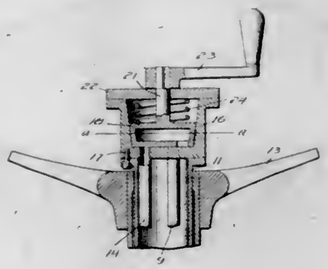


1. In a panel-board switch, a support, an adjusting plate, a face plate having an opening for part of the adjusting plate, and a cover plate secured to said support to cover the joint between the adjusting plate and the face plate.

1,502,580. PRESSURE BRAKE FOR AUTOS. CLYDE J. MCNERNY, San Francisco, Calif. Filed Feb. 28, 1920. Serial No. 362,041. 2 Claims. (Cl. 188—154.)

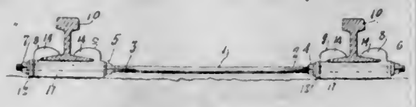
1. In an apparatus of the class described a tubular support, a valve casing attached to said support over one end, a plurality of conductors extending through said support and communicating respectively with said valve

casing, one of said conductors adapted to be connected to a source of supply of liquid under pressure, another of said conductors adapted to be connected to an operating



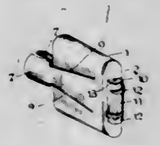
mechanism, and another of said conductors leading to the open air, a hollow valve within said casing and having spaced ports adapted to register alternately with said conductors, and means for actuating said valve.

1,502,581. RAIL BRACE. JOHN G. MUELLER, Dayton, Ohio. Filed Oct. 9, 1922. Serial No. 593,235. 10 Claims. (Cl. 238—53.)



3. A new article of manufacture consisting of a strip of plate metal having a rectangular body portion and a hook projecting from one of its longitudinal edges and having its ends bent at right angles to said body in the same direction.

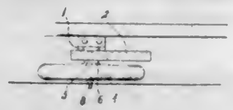
1,502,582. COVER FOR ELECTRIC SWITCH KEYS. CLAUDE E. NEIDIG, Camp Hill, Pa. Filed Oct. 21, 1922. Serial No. 596,019. 1 Claim. (Cl. 240—1.)



A cover comprising a hollow body open at its one end and closed at its other end and being adapted to fit over the handle portion of an electric switch key, said body having a seat in the closed end portion thereof, said seat being substantially semi-circular in cross sectional contour, a cylindrical holder adapted to be partially received in the seat and being formed of a transparent material, said holder being adapted to hold a luminous substance in the bore thereof and fingers integral with the body and adapted to be bent at will to embrace the holder to hold the latter against displacement from the seat or to release the holder.

1,502,583. CARRIER. LEONCE G. PEPIN, Augusta, Me. Filed May 9, 1923. Serial No. 637,817. 2 Claims. (Cl. 224—29.)

2. A carrier of the class described comprising a standard, a slotted casing connected with the upper end of the standard and extending at right angles therefrom, a block slidably mounted in the casing and having a part extending through the slot, a disc connected with



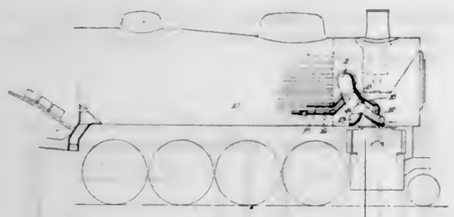
said part and a locking bolt passing through the disc and the block and arranged to engage the slotted hole at the front end of the casing.

1,502,584. ATTACHMENT FOR KNITTING OR CROCHET NEEDLES. HANNAH O. PERRY, Darien Center, N. Y. Filed July 10, 1923. Serial No. 650,677. 6 Claims. (Cl. 66—17.)



6. An attachment for knitting and crochet needles, consisting of an elongated comparatively narrow strip of leather of suitable thickness with successive corrugations of similar dimensions provided with a plurality of openings disposed in longitudinal alinement through opposite portions of the corrugations.

1,502,585. SMOKE CONSUMER. WILLIAM PETERSEN and CHARLES D. MILLER, Chicago, Ill., assignors of one-fourth to Emil Anderson and one-fourth to Emil Johnson, both of Chicago, Ill. Filed Oct. 14, 1921. Serial No. 507,615. 2 Claims. (Cl. 110—50.)



1. In a smoke consumer construction, the combination of a locomotive boiler having a fire box and a smoke box and flues connecting said boxes, an air-intake pipe arranged alongside and exteriorly of the smoke box and connected at one end with the interior thereof and having at its opposite and intake end branch pipes extending forwardly and rearwardly, respectively, and open at their ends, and means for supplying fluid under pressure to the interior of the air-intake pipe between the intake end thereof and the smoke box.

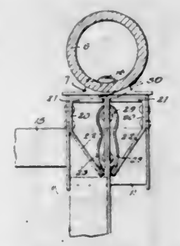
1,502,586. OPERATING MEANS FOR CURTAINS. JOHN PILNY, New Brighton, and WILLIAM KUEHN, Elmhurst, N. Y. Filed Apr. 7, 1923. Serial No. 630,555. 4 Claims. (Cl. 156—20.)

4. The combination with a frame; of brackets secured to the sides of said frame and provided with aligned slots, a trackway having its ends mounted in said brackets and provided with an open top and a longitudinal slot in the bottom registering with the slots in said brackets, a plurality of carriers movable in said trackway and insertable thereinto through said open top, a



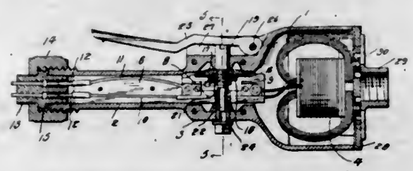
hanger connected to each carrier and projecting through the slot in said trackway, a curtain supported by said hangers, and means connected to one of said carriers for moving said carriers in said trackway to adjust said curtain to open and closing positions.

1,502,587. FRAME FOR BEDS. LEON JOSEPH PRIEBATSCH, Brookhaven, Miss. Filed May 12, 1923. Serial No. 638,558. 5 Claims. (Cl. 5—288.)



1. In a frame for beds, a corner post, a housing carried thereby and including a web and side plates extending from said web, cooperating retaining elements each of which has an intermediate portion secured to one of said side plates and an end portion extending laterally from said side plate in spaced relation to said web, the other end portions of said retaining elements being arranged in converging relation, and a rail having a portion extending between the converging end portions of said retaining elements and also having other portions engageable between the first named end portions of said retaining elements and said web.

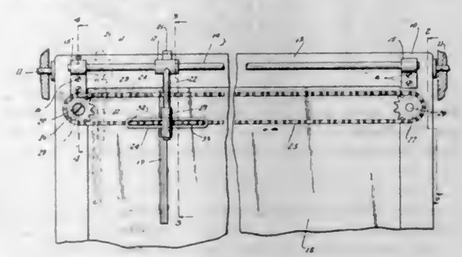
1,502,588. ELECTRIC ENAMELING TOOL. WILLIAM G. PROBST, Louisville, Ky. Filed Jan. 28, 1922. Serial No. 532,523. 1 Claim. (Cl. 172—36.)



An enameling tool consisting of a one-piece casing, said casing having a hollow tubular handle, a conductor-means securing nut externally threaded on one end of said handle, the casing being increased in thickness at

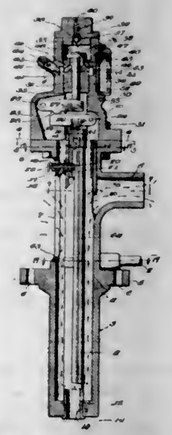
the other end of the handle to provide an outwardly disposed shoulder and to form a neck, said nut and shoulder providing abutments for the hand, said neck having an exterior longitudinally extending recess, a switch carried by said neck having an operating member disposed in said recess and extending rearwardly and having its gripping portion disposed intermediate said nut and shoulder so that it is engageable and operable by the same hand which grasps the handle, a hollow head integral with and of greater diameter than the neck extending from the neck, a vibrating mechanism in the head, the outer end of said head being open, and a sleeve-mounting plate closing said end.

1,502,589. WINDSHIELD WIPER. MARTIN J. RAFFERTY, Chicago, Ill. Filed Dec. 30, 1922. Serial No. 610,066. 4 Claims. (Cl. 74—14.)



1. Operating mechanism of the class described including a member adapted to be mounted for continuous movement in one direction, means adapted to support a carriage for a reciprocatory movement, a carriage on the support, means arranged and adapted to have slidable relation with the carriage and provided with a portion having an elongated slot formed therein, and means carried by the said first named member engaged in said slot and adapted at the completion of each stroke of the carriage to shift the means having slidable relation with the carriage to reverse the direction of movement of the carriage.

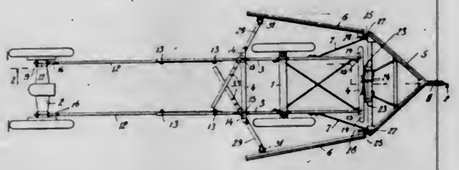
1,502,590. LOW-WATER SAFETY TELLTALE. GEORGE A. SAGER, Albany, N. Y. Filed Mar. 4, 1920. Serial No. 363,206. 14 Claims. (Cl. 122—504.2.)



1. In a thermally operated tell-tale, a valve including a seat, a casing supporting said valve and seat, a thermally expansible valve operating element carried by said

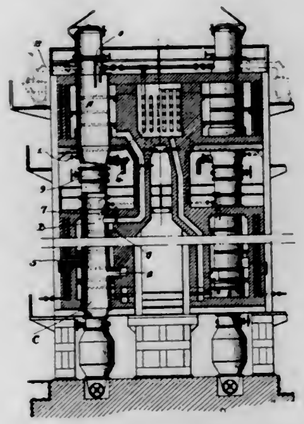
casing for expansion and contraction to control the opening and closing of said valve, and means rendered operative by the opening of said valve for assisting contraction of said thermal element.

1,502,591. TRUCK SNOWPLOW. DON A. SARGENT, Bangor, Me., assignor to Northern Trailer Company, Bangor, Me., a Corporation of Maine. Filed Aug. 21, 1923. Serial No. 658,484. 11 Claims. (Cl. 37—44.)



1. A snow plow comprising the combination of a frame, a nose connected thereto, and means for securing the frame to both axles of a motor truck, said frame being adjustable longitudinally and laterally.

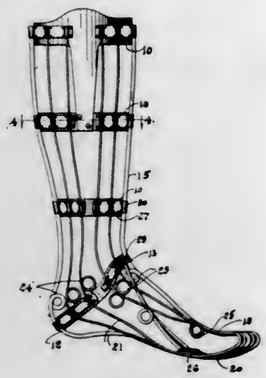
1,502,592. PROCESS FOR PREPARING DECOLORIZING CARBON. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed Mar. 26, 1923. Serial No. 627,757. 16 Claims. (Cl. 252—3.)



1. A process of producing decolorizing carbon which comprises subjecting solid carbonaceous raw material to destructive distillation and subjecting the heated material while moving as a stream, to the action of a counter current of gases which have not more than a slight oxidizing character, and thereafter subjecting the product of such treatment to the action of activating substances.

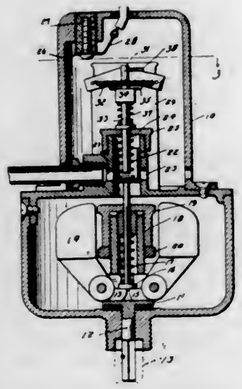
1,502,593. ARTIFICIAL LIMB. GEORGE HAMILTON SHRODES, Porterville, Calif. Filed Nov. 9, 1923. Serial No. 673,757. 4 Claims. (Cl. 3—3.)

1. An artificial lower limb comprising in combination a plurality of wires forming the lower limb construction and foot, and a plurality of bands engaging said wires and attached thereto to maintain said wires in proper spaced relation, one of said bands being positioned to represent the transcrucial ligament, said wires each having its forward portion provided with a spring coil



immediately beneath the last mentioned band, and its rearward portion provided with a similar coil immediately above the last mentioned band.

1,502,594. SPEED CONTROL. GILES F. SPIVA, Spokane, Wash., assignor, by direct and mesne assignments, to Ideal Speed Control, Inc., Spokane, Wash., a Corporation. Filed Jan. 20, 1922. Serial No. 530,584. 5 Claims. (Cl. 123—118.)

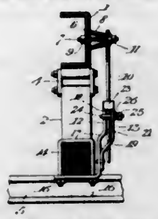


1. A speed control for motor vehicles having a centrifugal governor, a circuit breaker movable to ground the ignition circuit, a plunger operable by the governor to operate the circuit breaker, and means operable by the plunger having a limited movement relatively to the circuit breaker to admit air to the engine fuel line.

1,502,595. COMBINED STABILIZER AND SHOCK ABSORBER. FRANK N. SPRAGUE, Holyoke, Colo. Filed Apr. 14, 1923. Serial No. 632,023. 6 Claims. (Cl. 188—129.)

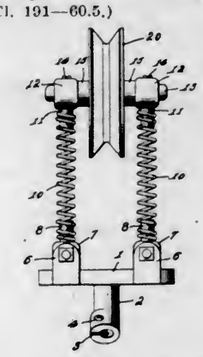
1. In a device of the character described, the combination with an automobile frame and axle, of a depending blade-like member secured at its upper end to said frame, parallel plates secured to said axle and adapted to receive between them the lower portion of

said blade, a U-shaped bolt the members of which pass around one of said plates and through the other plate, nuts on said bolt members, and coil springs interposed



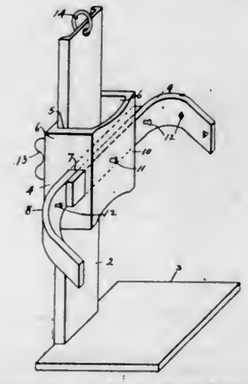
between said nuts and the adjacent plate, whereby the said plates are caused to engage the said blade with a resilient pressure.

1,502,596. TROLLEY. MERLE D. STALDER, Lincoln, Nebr. Filed Sept. 14, 1923. Serial No. 662,725. 3 Claims. (Cl. 191—60.5.)



1. A trolley comprising a base frame, members mounted on said base frame to rock in the direction of the width of the trolley and having upstanding studs, coiled springs surrounding and supported by and extending upwardly by the said studs, members having pendent studs disposed in the upper convolutions of the springs, and a trolley wheel mounted between the last-named members.

1,502,597. BAG HOLDER. HARRY E. TAYLOR, Holland, Pa. Filed Feb. 8, 1923. Serial No. 617,690. 2 Claims. (Cl. 83—26.)

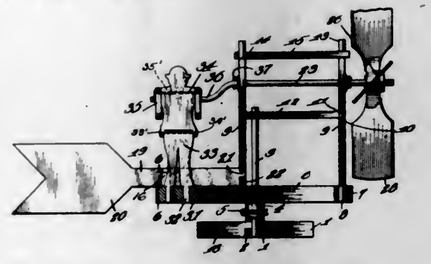


1. A bag holder comprising an upright, a slide vertically adjustable on said upright, arms horizontally adjustable in the slide relative to each other, and a single means for holding the slide and arms in their different adjusted positions.

1,502,598. WATERPROOFING FOR CLOTH. NATHANIEL A. THOMPSON, Kansas City, Kans. Filed Mar. 8, 1923. Serial No. 623,725. 6 Claims. (Cl. 134—17.)

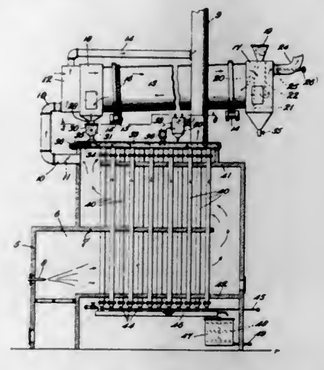
1. A water-proofing composition composed of a viscid vegetable oil, approximately 40 to 50 per cent, rubber 5 to 10 per cent, asphalt 5 to 10 per cent, and a filler of 30 to 50 per cent.

1,502,599. KNOCKDOWN TOY. SAMUEL E. TIMMONS, Lawton, Okla. Filed Oct. 26, 1922. Serial No. 597,050. 2 Claims. (Cl. 46—14.)



1. A knockdown toy including a pivot pin, a bottom strip mounted to rotate thereon, a standard detachably mounted on the bottom strip and having an opening therein, a slotted dowel detachably engaging the bottom strip, a vane having a shank extending through the slotted dowel, a projection on the shank detachably seated in the opening in the standard, a crank shaft journaled in the standard, a wind wheel on the shaft and a jointed figure detachably connected to the bottom strip and pivotally connected to the crank of the shaft.

1,502,600. CARBONIZING AND REVIVIFYING RETORT. RAFAEL VACHIER, Baton Rouge, La. Filed Dec. 17, 1923. Serial No. 681,251. 5 Claims. (Cl. 202—12.)

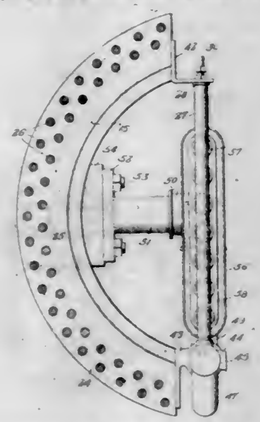


1. In an apparatus of the class described, a combustion chamber; a plurality of retort tubes in said combustion chamber; a predrying chamber comprising an inclined rotatable drum; means for feeding carbon material into said predrying chamber; means for producing a flow of air through said predrying chamber; means for heating said air; and means for feeding the carbon material from said predrying chamber to said retort tubes.

1,502,601. HEATER. GEORGE VAN BALLEGOOIJEN, Zion, Ill. Filed Sept. 15, 1923. Serial No. 662,943. 3 Claims. (Cl. 158—65.)

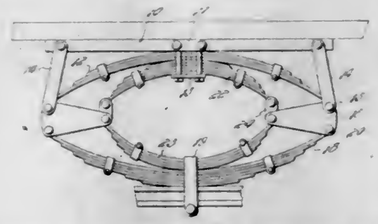
3. A liquid fuel burner comprising in combination, an arc shaped shell, a conduit communicating with said

shell adjacent the central portion of its concave side, a retort supported from the ends of said shell and subtending the arc, a retort heating burner comprising a shell underlying said retort and having burner openings



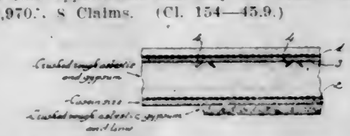
and a communication with said conduit, a mixing chamber at the end of said conduit, said mixing chamber having an inlet for air and an opening receiving the jet from said retort, said arcuate shell having burner openings.

1,502,602. VEHICLE SPRING. JOHN BATTISTA VIDACK, Chicago, Ill. Filed May 16, 1923. Serial No. 639,292. 1 Claim. (Cl. 267—36.)



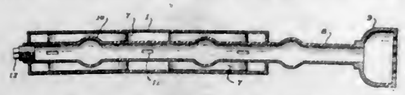
A device of the class described, comprising upper and lower main leaf springs, reversely arranged, shackles pivoted to the ends of one of the springs, plates pivoted to the shackles and to the other spring and extending inwardly from the point of connection, supplementary leaf springs positioned between those first named, shackles pivoted to the innermost ends of the plates, and to the adjacent ends of the supplementary springs and devices connecting the central portions of the supplementary springs, respectively with one of the main springs.

1,502,603. COMPOSITION BOARD. CURRY ORA WALKER, Detroit, Mich., assignor, by direct and mesne assignments, to Standard Plastering System, Detroit, Mich., a Corporation of Michigan. Original application filed Aug. 20, 1921, Serial No. 493,921. Divided and this application filed July 24, 1922. Serial No. 576,970. 8 Claims. (Cl. 154—45.9.)



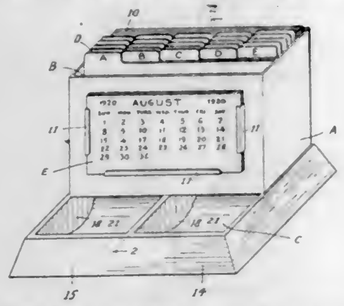
8. A wall board comprising a plastic composition containing crushed rough asbestic, calcined gypsum and metal.

1,502,604. GAS BURNER. CHARLES WEISS, Lansdale, Pa., assignor to Central Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 4, 1923. Serial No. 655,612. 2 Claims. (Cl. 158—99.)



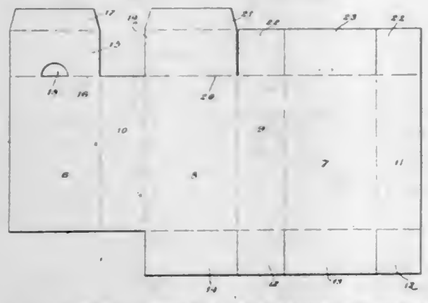
1. In a burner of the character described, a casing having its top wall perforated, a fuel supply pipe extending through the casing and provided with bulbous enlargements spaced apart longitudinally of the pipe, said pipe being further provided with outlet openings positioned within the casing and between the enlargements, and air tubes extending through the casing from the top to the bottom thereof and open at both ends.

1,502,605. DESK FILE AND TRAY. PAUL H. WELCKER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Sept. 17, 1920. Serial No. 410,849. 6 Claims. (Cl. 120—1.)



1. A device of the class described comprising a base portion stamped from sheet material, downwardly extending lips adapted to form side walls for compartments, a separate bottom portion for the compartments, tongues in said base portion adapted to support said bottom, a card index compartment adapted to be supported by said base formed from sheet material and tongues projecting from said base adapted to engage and support said card index compartment.

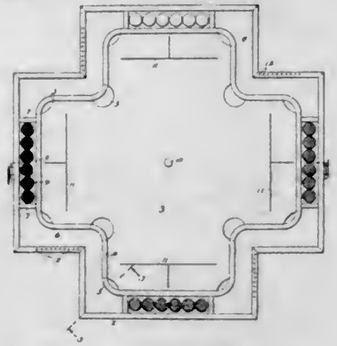
1,502,606. CARTON. FRANK J. WHELAN, Brooklyn, N. Y. Filed Dec. 20, 1922. Serial No. 607,995. 3 Claims. (Cl. 229—17.)



1. A receptacle including a body having an open end, inner and outer auxiliary closure flaps for said open end, the inner flap having a discharge opening normally closed by the outer flap, and other closure flaps positioned adjacent said outer flap when the package is sealed and adapted to be severed from the body to expose said outer auxiliary flap.

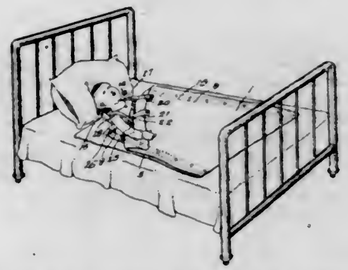
2. A receptacle including a body having inner and outer front wall sections, side sections and an open end, a closure flap for said open end carried by one of said front wall sections and having a discharge opening, a second closure flap cooperating with the first-named flap and having a portion thereof interposed between said front wall sections when the second flap is in closing position, and flaps carried by said side sections and one of said front wall sections foldable over said closure flaps when the receptacle is sealed and capable of being severed from the latter sections to expose said second closure flap.

1,502,607. GAME. GEORGE WRIGHT, Aurora, Colo. Filed Feb. 21, 1922. Serial No. 538,371. 1 Claim. (Cl. 46—61.)



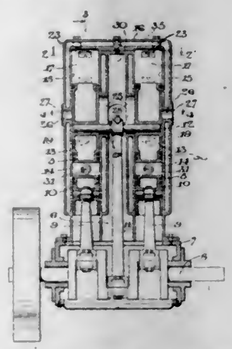
A game board including a playing field, spaced outer and inner walls surrounding said field, the inner wall having a plurality of corners each of which is provided with an opening, and transverse partitions extending between said outer and inner walls and defining a plurality of compartments certain of which are segregated from the playing field for receiving tokens not in play, the other compartments each communicating with said playing field through one of said openings to receive a token from said field which has been put in play.

1,502,608. BABY-BLANKET HARNESS. HELEN B. YOUNG, New York, N. Y. Filed Apr. 25, 1923. Serial No. 634,531. 3 Claims. (Cl. 5—336.)



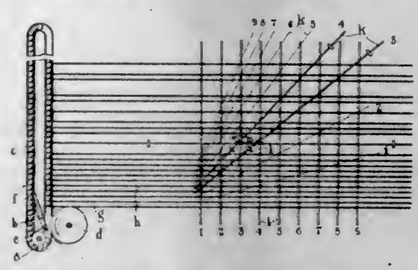
1. A combined blanket and harness, comprising a blanket body adapted to be folded centrally, strips connected to said body along each edge, said strips being provided with snap fasteners, a pair of straps connected to said strips near one end, a single strip, connected to the first mentioned strips near the opposite end, one of said straps and said last mentioned strip being formed with snap fasteners, and a plurality of auxiliary straps co-acting with the first mentioned straps for presenting shoulder straps.

1,502,609. INTERNAL-COMBUSTION ENGINES. HUGO J. ASCHERIN and RAYMOND W. LOOMIS, East Troy, Wis. Filed May 17, 1922. Serial No. 561,748. 3 Claims. (Cl. 123—51.)



1. In an internal combustion engine, the combination of a pair of cylinders, of two pistons working in each of said cylinders in opposite directions and forming combustion chambers therewith, a wrist-pin connecting together the pistons working in one direction in said cylinders, pump chambers in which the back ends of said last named pistons work, a three-throw crank shaft, a connecting rod connecting said wrist-pin with one of the cranks, the other two cranks being disposed opposite to the first mentioned crank, connecting rods respectively connecting the last mentioned cranks with the other pistons, inlet ports at one end of the combustion chambers and exhaust ports at the other end of said chambers uncovered by each set of pistons near the end of the power stroke, inlet ports to said pump chambers controlled by the pistons working therein, and means for transferring the working agent from said pump chamber to the inlet ports for the combustion chambers.

1,502,610. CALCULATING MACHINE. JAMES MARK MCGINNIS BARR, London, England. Filed July 9, 1923. Serial No. 650,501. 13 Claims. (Cl. 235—61.)

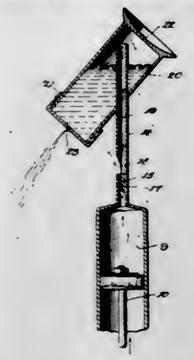


1. A calculating machine of the kind referred to, comprising a plurality of counting mechanisms corresponding to the various denominations occurring in the maximum result obtainable in the machine, each of which is associated with means whereby the counter may have delivered to it for counting a number of members representing any of the partial products corresponding to its denomination that may occur in any calculation within the limits of the machine.

1,502,611. WHEELED SOUNDING TOY. HARRY E. BOEDECKER, Benham, Ky. Filed Sept. 25, 1922. Serial No. 590,453. 5 Claims. (Cl. 46—47.)

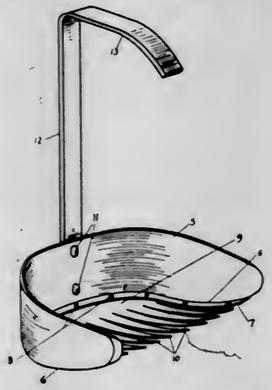
1. In a wheeled sounding toy, a standard, a ground wheel mounted thereon, a cylinder, a piston working in

the cylinder and having operative connection with the said wheel, a sounding reed leading upwardly from the



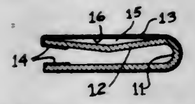
upper end of the cylinder, and a water reservoir into which the end of the said reed projects, the reed having a vent exterior to said reservoir.

1,502,612. PLANT PICKER. ROBERT L. WELLS and FRANK BUCKNER, Chicago, Ill. Filed June 22, 1922. Serial No. 570,240. 4 Claims. (Cl. 56—330.)



3. A device for severing and collecting the heads of plants, such device including a scoop having a curved wall open at the front and an inwardly turned flange on the lower edge of said wall; a metallic plate secured to said flange, said plate having teeth formed therein spaced at their outer ends and converging toward their inner ends, and handle means fastened to the rear wall of said scoop for swinging said scoop, such means overhanging said teeth.

1,502,613. WORKHOLDER. CHARLES C. CASEY, Detroit, Mich. Filed July 1, 1921. Serial No. 481,807. 5 Claims. (Cl. 40—23.)



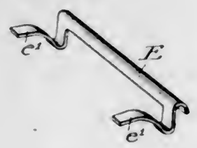
1. A combined finger piece and card holder for a leaf comprising a member having configuration affording a restricted passage into which the leaf may extend and be frictionally held by said member, a card on said member, and means cooperating with the configuration of said member in engaging the longitudinal edges of the card and retaining the card on said member.

1,502,614. GARMENT. ROBERT W. CELLARS, Delaware, Ohio. Filed Mar. 29, 1923. Serial No. 628,506. 1 Claim. (Cl. 2—70.)



In an article of apparel, upper and lower garments, a portion of one overlapping part of the other, a series of loops of fixed form spaced around the underneath part of the one garment, a belt encircling said underneath part and passing through said loops, said belt being secured to said part at the sides of said loops, thereby pivotally attaching said loops to said part, the overlapping portion of said other garment being formed with slits through which said loops may extend, and a removable outer belt passing serially through said loops outside of said overlapping portion.

1,502,615. SKIN SMOOTHING AND STRETCHING DEVICE FOR SAFETY RAZORS. RUSS J. CHRISTY, Fremont, Ohio. Filed June 16, 1921. Serial No. 478,148. 2 Claims. (Cl. 30—12.)

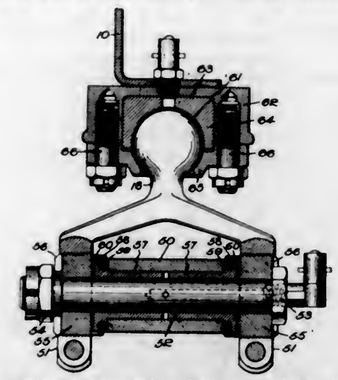


1. In a safety razor, the combination with a blade holder and a guard rigid therewith, of a skin stretching and smoothing device secured to said holder and movable independently of said guard, said device consisting of a strip of sheet metal bent into U-shape in cross section and located in front of and immediately adjacent to and parallel with the guard, spring arms secured to said strip and extending rearwardly thereof and secured to said holder, and said strip operating to stretch and smooth the skin in advance of the cutting edge of the blade.

1,502,616. VEHICLE SPRING SUSPENSION. HAROLD D. CHURCH, Fairfield, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y., a Corporation of New York. Filed July 22, 1920. Serial No. 398,171. 2 Claims. (Cl. 267—54.)

1. In a vehicle spring suspension, the combination of two pivotally connected parts one of which supports the other, and one of which parts carries abutments between which the other part is received, a pivot about whose axis said parts turn one on the other, bushings having

sleeve portions interposed between said pivot and said other part, and collar portions interposed between said abutments and said other part, fibrous washers interposed endwise between said collar portions and said other part, and annular shields carried by said abutments and encircling said washers.

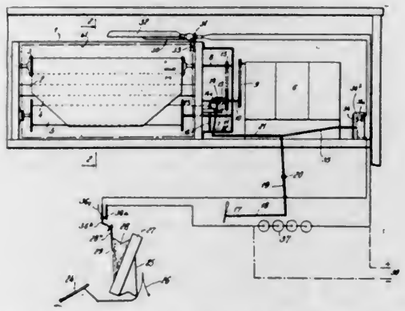


1,502,617. REFLECTOR. WILLIAM CLINE, Lancaster, Pa. Filed Sept. 2, 1922. Serial No. 585,962. 1 Claim. (Cl. 240—104.)



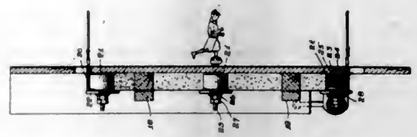
A reflector produced from flat sheet metal to form, by bending, a fluted cone-shaped body and a center portion integral therewith, all of uniform thickness, said center portion being slit radially to provide without stretching the metal, a plurality of tapering, gripping members bent upwardly parallel to the axis of the body and terminating with inwardly bent tapered fingers adapted to engage the exterior surface of a bulb.

1,502,618. PLAYER PIANO AND THE LIKE. JOSEPH HUNTER DICKINSON, Larchmont, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed June 8, 1920. Serial No. 387,307. 10 Claims. (Cl. 84—115.)



7. In an automatic player embodying pneumatic means for actuating it and music roll means for supporting a music sheet in playing position, a lamp positioned to illuminate a music sheet in playing position, and means controlled according to the presence or absence of pneumatic operating conditions in said pneumatic means for lighting and extinguishing said lamp.

1,502,619. BASEBALL GAME BOARD. MORK MENASHA DOOB, New York, N. Y. Filed Feb. 8, 1921. Serial No. 443,393. 1 Claim. (Cl. 46—63.)



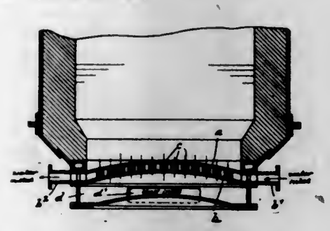
A game-board having a base-ball diamond thereon and player figures adapted to be disposed at will about the board, a movable belt on the board, said belt having sockets at intervals adapted to receive the player figures, said sockets comprising tubes disposed in the belt, and pins on said player figures adapted to be inserted in the sockets.

1,502,620. POISON INDICATOR. HENRY FLEISHER, Gambrills, Md. Filed June 16, 1922. Serial No. 568,749. 1 Claim. (Cl. 215—9.)



A device of the class described comprising a plate made in the form of a skull and cross bones, eara at the bottom of the plate, a pointed member pivoted between said ears, ears at the top of the plate and a corkscrew pivoted between said eara.

1,502,621. CONVERTER. HAYO FOLKERTS, Aachen, Germany. Filed Feb. 16, 1924. Serial No. 693,363. 5 Claims. (Cl. 266—35.)

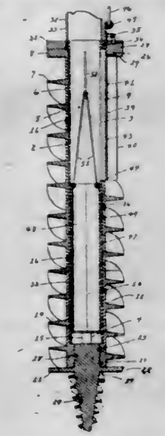


1. In a converter, a nozzle-carrying converter-bottom consisting of a plate of non-oxidable steel.

1,502,622. PROSPECTING OR WELL-DRILLING DEVICE. WILLIAM H. FORSYTH, Philadelphia, Pa. Filed Aug. 10, 1923. Serial No. 656,728. 5 Claims. (Cl. 255—67.)

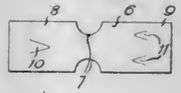
1. In a device of the character stated, a drill member comprising a tubular barrel open at both ends and having

a slot adjacent its upper end, a sectional auger removably mounted upon said barrel, a portion of said auger having



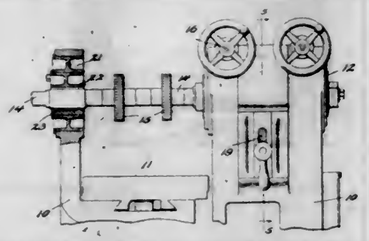
an opening therethrough to coincide with the opening in the barrel, and a combined bit and cutter detachably mounted in the lower end of the auger member.

1,502,623. PAPER CLIP. JOHN FRITZ, New Bedford, Mass. Filed Mar. 16, 1923. Serial No. 625,356. 1 Claim. (Cl. 24—153.)



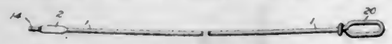
A paper clip formed from an elongated strip of resilient material having oppositely disposed notches dividing said strip into end portions, one of said end portions having a single prong struck therefrom and capable of being projected entirely through a sheet of paper and extended in one direction, and the other portion of said strip having a pair of prongs struck therefrom of less length than the first-named prong and also capable of being projected entirely through said sheet and extended in a direction directly opposite to that of the first-named prong.

1,502,624. ADJUSTABLE ARBOR SUPPORT FOR MILLING MACHINES. CARL GABRIELSON, Syracuse, N. Y., assignor, by mesne assignments, to Meldrum-Gabrielson Corporation, Syracuse, N. Y., a Corporation of New York. Original application filed June 10, 1920, Serial No. 388,014. Divided and this application filed Jan. 3, 1922. Serial No. 526,694. 11 Claims. (Cl. 90—16.)



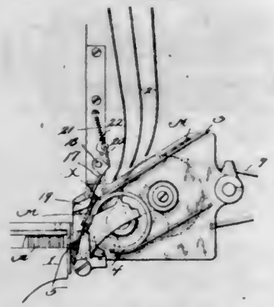
1. In a machine of the kind described, a frame, a table, an arbor adjustable toward and from the table, means for supporting the free end of the arbor comprising a cylinder bushing rotatably mounted in said frame, the free end of said arbor being eccentrically journaled in said bushing, and means for locking said bushing in the desired position.

1,502,625. WIRE BALE TIE. ALEC JOHN GERRARD and PARVIN WRIGHT, Chicago, Ill. Filed Jan. 16, 1923. Serial No. 613,058. 4 Claims. (Cl. 24—27.)



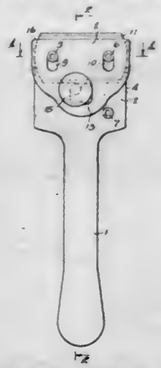
1. A bale tie comprising a wire having a flattened deformed portion on one of its ends, and a loop portion on the other of its ends.

1,502,626. TYPOGRAPHICAL MACHINE. EDMUND M. GOODROPY, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed June 21, 1922. Serial No. 569,778. 2 Claims. (Cl. 199—28.)



1. In a typographical machine of the class wherein matrices are delivered from a magazine and assembled in a line, the combination of assembling means in which the matrices are assembled in a line, a revoluble toothed member for stacking the matrices in a line, a matrix delivery belt inclined downwardly toward the assembling point and arranged to receive the matrices delivered from the magazine, a pulley over which said belt passes, said pulley being located immediately, adjacent to said toothed member, and a chute plate having a toe located opposite to the portion of the travelling belt beyond the point at which the belt first bends over said pulley and operative to divert the leading ends of the matrices from the inclined position which they occupied while travelling with the belt toward and upright position and tensioned to press the matrices while passing the toe into contact with the travelling surface of the belt opposite to the toe.

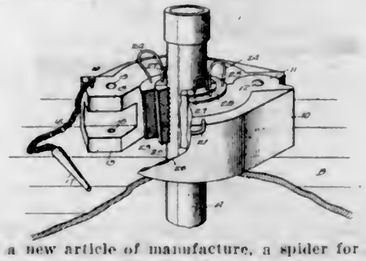
1,502,627. BLADE HOLDER. EDWARD WHEELER HAMMOND, New York, N. Y. Filed Mar. 23, 1923. Serial No. 627,159. 2 Claims. (Cl. 30—9.)



1. A blade holder, which includes a head plate having a front and a lateral edge, three studs formed integrally thereon, two of said studs being disposed parallel to one edge and the third stud being disposed with one of the first-mentioned studs parallel to the lateral edge, a razor blade having apertures therein to be disposed along either

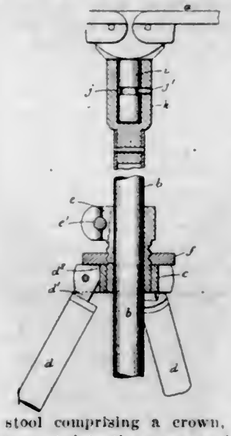
edge in coincidence with the studs, a slidable clamping plate to be disposed against the head plate and the blade to hold the blade in position, and means for clamping the plate against the head plate and the blade, said clamping plate being slotted to permit it being slid forward so that its edge projects beyond the edge of the blade.

1,502,628. HINGED SPIDER. FRANK LEE HANNA, Wichita, Kans., assignor of forty-five one-hundredths to Frank L. Hanna, forty one-hundredths to Frederick E. Mallonee, and fifteen one-hundredths to Thomas R. Ermey, all of Wichita, Kans. Filed Sept. 7, 1923. Serial No. 661,477. 1 Claim. (Cl. 24—263.)



As a new article of manufacture, a spider for application to well casings, said spider comprising a body composed of hinge sections jointly presenting a bore, a separate sectional liner in the bore of said body, and a sectional gripper fitting the bore of said liner and adapted to bind on the well casing, said body sections, said liner sections and said gripper sections having handles thereon at the top.

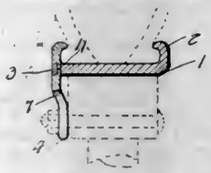
1,502,629. PORTABLE STOOL. LAURENCE ROBERT HARDY, Alnwick, England, assignor to Hardy Brothers (Alnwick) Limited, Alnwick, England. Filed May 1, 1922. Serial No. 557,718. 1 Claim. (Cl. 155—137.)



A portable stool comprising a crown, a plurality of legs pivotally connected to the crown and each having a flat shoulder on its upper extremity, a split collar carried by the crown and having a threaded portion above said legs, a seat pillar slidably fitted through the split collar, contracting means for the split collar to bind the same on the pillar, and a retaining nut on said threaded portion of the split collar and adapted to be turned down against said flat shoulders on the upper extremities of the legs for holding said legs in open position.

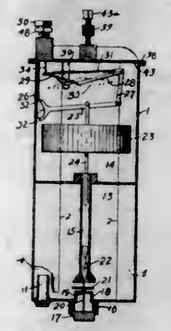
1-502,630. DEMOUNTABLE RIM. ALLEN C. HARGRAVE, Anna, Ill., assignor of one-tenth to Ed. Samson, Anna, Ill. Filed May 9, 1922. Serial No. 559,532. 3 Claims. (Cl. 301—35.)

1. A demountable rim structure including a rim, a tire-retaining ring at one side thereof, interengaging means on said rim and ring to engage and disengage through the rotation of one of said parts relatively to the other part, means on the inner surface of the rim



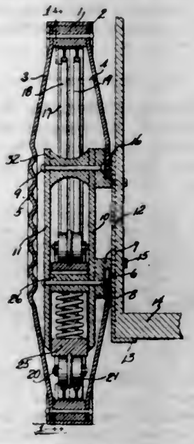
engageable by a tool to effect the said movement and the ring having an opening through which the tool may extend and fulcrum to impart said movement.

1,502,631. VACUUM FUEL FEED TANK. WILLIAM E. HART, near San Jose, Calif. Filed May 15, 1923. Serial No. 639,143. 4 Claims. (Cl. 103—236.)



1. A tank of the character indicated comprising a shell having at least three corners partitioned off to form conduits, tubular elements arranged in the upper ends of said three conduits, one of said three conduits having communication with the interior of said shell at its lower end and having a discharge passage arranged therein, and the other two of the said three conduits being closed off from the interior of the shell but communicating with the exterior thereof at their lower ends, and a partition arranged in the shell to divide the same into upper and lower chambers, and a conduit connecting said chambers.

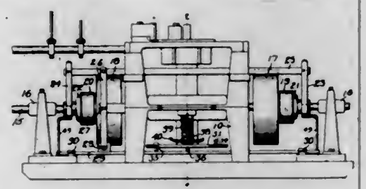
1,502,632. WHEEL. THOMAS R. HASLEY, Menominee, Mich. Filed Dec. 2, 1921. Serial No. 519,490. 4 Claims. (Cl. 180—10.)



1. In a wheel of the character described, a separate traction member, a frame arranged in said traction member, anti-friction means carried by the frame and resting on said traction member, spring means carried by said

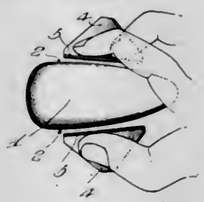
frame, a load carrying member extending into said frame and resting on said spring means, said load carrying member being formed with means for laterally guiding said frame and further means for guiding the traction member.

1,502,633. STOP MECHANISM FOR BENDING MACHINES. JULIUS HERMAN HOLMGREEN, San Antonio, Tex. Original application filed Aug. 4, 1919, Serial No. 315,154. Divided and this application filed Nov. 6, 1922. Serial No. 599,408. 11 Claims. (Cl. 192—139.)



1. Indexing means for bending machines comprising a plate, having a series of holes in a face thereof, a stop member adapted to be inserted in one of said holes comprising a shank and a head, yielding means on said shank for retaining said stop member in retracted position on said plate, and means for pressing the stop member downward.

1,502,634. GLIDING TORPEDO. REUBEN C. INGEBRITSON, Camp Kearny, Calif., assignor, by court decree, to Marie Ingebritson, widow. Filed Sept. 28, 1923. Serial No. 665,420. 4 Claims. (Cl. 124—1.)



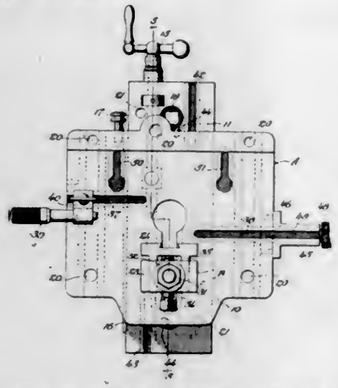
1. A toy comprising an elongated rearwardly tapered smooth-sided body adapted to rest on a smooth flat surface, a pair of bases adapted to rest on said surface at opposite sides of said body, and a pair of smooth walls rising from said bases and adapted to be forced by finger pressure against the rearwardly converging sides of said body to project the latter.

1,502,635. PACKAGE-HANDLING MACHINE. MAX JAEGER, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 27, 1920. Serial No. 354,416. 28 Claims. (Cl. 226—80.)



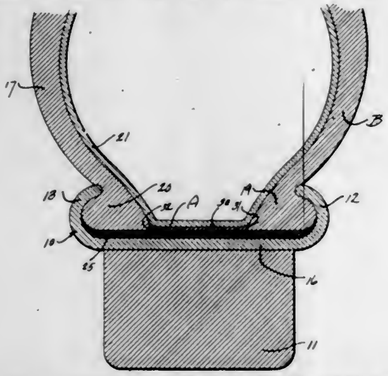
2. In a packaging apparatus, the combination with an intermittently operating mechanism of a continuously operating supply mechanism effective to advance vessels continuously in succession at a constant speed along a substantially straight path, and a positioning mechanism effective to engage vessels during their movement by the supply mechanism and advance them at the same speed into position for the action of the operating mechanism.

1,502,636. ADJUSTABLE CHUCK. ALFRED JULIUS JOHNSON, Fairfield, and CHESTER SLIWONIK, Bridgeport, Conn. Filed Nov. 8, 1922. Serial No. 799,704. 5 Claims. (Cl. 82—40.)



2. A chuck of the kind described comprising a base structure consisting of a pair of connected members the first of which is adapted to be fixed to a support and the second of which is adjustable with respect to the first, work clamping means on said adjustable member, and a work positioning stop device interchangeably engageable with said members, said device when engaged with one of said members being adapted to contact with the other member to determine the position of the work with respect to the first member, and when engaged with the second member being adapted to contact with the work to determine the position of the work with respect to said second member.

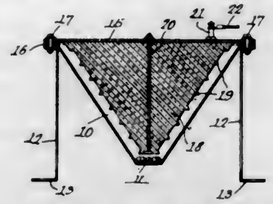
1,502,637. PROTECTOR FOR PNEUMATIC TIRES. STEVE S. KONIECZKI, Stevens Point, Wis. Filed Aug. 5, 1922. Serial No. 579,879. 1 Claim. (Cl. 152—20.)



A tire protector comprising a flexible base portion including water proof inner and outer layers of substantially the same width having a series of intermediate layers therebetween successively of less width from the outer layer toward the inner layer, said intermediate layers being uniformly disposed with respect to the longitudinal center of the flexible base portion to gradually reduce said base portion toward the side edges thereof, and a narrow flexible strip mounted on the outer layer of said flexible base portion.

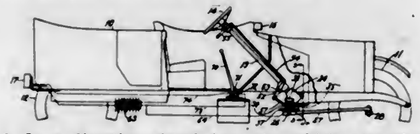
1,502,638. CIRCUIT-CLOSING DEVICE. WILLIAM A. LEE, Roselawn, Ind. Filed June 19, 1923. Serial No. 646,408. 2 Claims. (Cl. 200—52.)

1. A device for use in connection with an internal combustion engine for short circuiting the ignition circuit of the same when the engine inclines beyond a predetermined limit, comprising an upstanding tapered metal shell decreasing in diameter downwardly, a metal cover for the shell insulated therefrom, a tapered obstructing member arranged within the shell and decreasing in diameter downwardly and spaced from said shell, said member



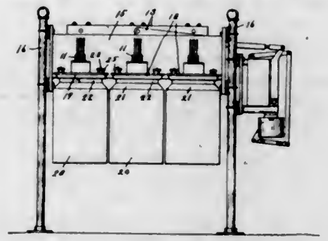
having vertically spaced obstructing elements formed thereon, movable circuit closing means mounted within the shell and adapted to electrically connect said shell and cover, a binding post secured to the cover, and an electrical connection secured to the shell.

1,502,639. AUTOMOBILE SIGNAL. FRANK J. MAY, St. Paul, Minn., assignor of one-fourth to Ervie W. Olson, St. Paul, Minn. Filed Aug. 31, 1922. Serial No. 585,338. 2 Claims. (Cl. 200—59.)



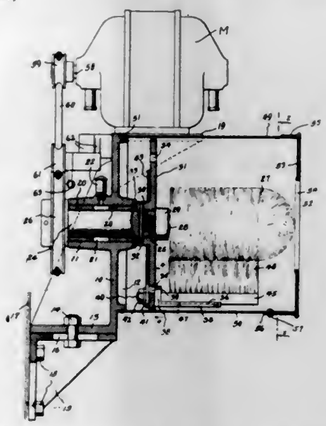
1. In a direction signal for auto vehicles, an electric switch comprising, a base, an insulated block fixed on the base, a switch-lever fulcrumed on the block to swing in plane with the base, operative connection between one arm of said lever, a finger operated lever mounted near the steering wheel; the other or second arm of the lever having springs holding it normally idle between the terminal points of its swinging movement, two switch members fixed on the base in normally spaced relation to the second arm, one at each side thereof; a leaf spring secured at its middle to the base below said second arm and being curved segmentally with its ends upward from the base and being each provided with a catch arranged to engage the arm of the lever and hold it in contact with either one of the fixed switch members, a roller arranged to move back and forth above the leaf spring and adapted to depress either end of the spring so as to disengage the catches from the switch lever when it is to be returned to normal position, and a swinging arm carrying said roller and having operative connection with the steering shaft of the vehicle.

1,502,640. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Oct. 19, 1920. Serial No. 417,902. 3 Claims. (Cl. 200—150.)



2. The combination of supporting means, a plurality of substantially contiguous switch frames carried by said supporting means, said switch frames having depending peripheral aprons, and a plurality of substantially contiguous oil receptacles having reduced neck portions received within the depending peripheral aprons and supported from said switch frame.

1,502,641. CLEANER FOR TUMBLERS OR THE LIKE. JOHN L. DAHL, Teaneck, and ROBERT H. FRECH, Bogota, N. J., assignors to the Electrisan Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 12, 1921. Serial No. 521,721. 5 Claims. (Cl. 15—75.)

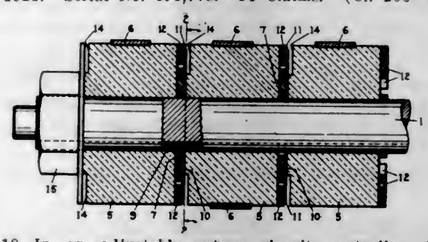


1. In a tumbler brushing machine, the combination with a brush unit and means to cause rotation thereof at high speed, of a hood embracing the brush unit and comprising an expansible cylindrical shell split along its bottom forming a slot, the shell being arranged coaxially of the unit, a flexible guard of contractile material stretched upon the front end of the shell, and means to hold the shell expanded after the guard is applied thereto, and whereby the guard is held in place.

1,502,642. METHOD OF MAKING MANGANESE STEEL. RICHARD D. JORDAN and JOHN H. HALL, High Bridge, N. J., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,141. 14 Claims. (Cl. 75—45.)

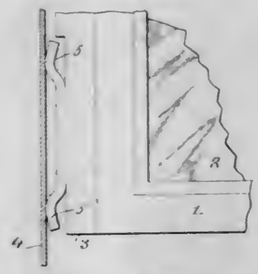
1. The method of making manganese steel in the electric furnace, which consists in establishing a charge including the necessary make-up of ferro-manganese and an agent capable under the influence of heat of establishing a substantially non-oxidizing environment, and rapidly melting the charge.

1,502,643. ADJUSTABLE ROTARY CIRCUIT CONTROLLER. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Aug. 12, 1921. Serial No. 491,779. 14 Claims. (Cl. 200—8.)



10. In an adjustable rotary circuit controller, the combination with a shaft and drum thereon, of means automatically tending to establish a locking connection between the drum and shaft in any one of a plurality of different positions.

1,502,644. SLIDABLE WINDOW SASH. HARRY E. CAMPBELL, New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Nov. 30, 1921. Serial No. 518,758. 1 Claim. (Cl. 189—76.)



In a window of the type in which the jamb is provided with openings in its inner face, the combination of a jamb member adapted to stand behind the plane of the inner jamb wall, a sash having plates substantially the height of the sash adapted to extend into each jamb, slots near the edges of the plates and contact portions of the plates partially separated from the plates by such slots bent out to contact with said jamb member, said contact portions being of such thickness as to permit of bending by a manual operation to give a transverse adjustment to the sash, and at the same time to be stiff enough to form an elastic contact between the sash and the jamb member.

1,502,645. COMPOSITION FLOORS. FRANTS DJÖRUP, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,493. 1 Claim. (Cl. 106—29.)

A composition flooring material or the like, consisting of calcined magnesite, sixty parts, kieselguhr, thirty parts, silica, five parts, flint, five parts, and magnesium chloride, sixty parts.

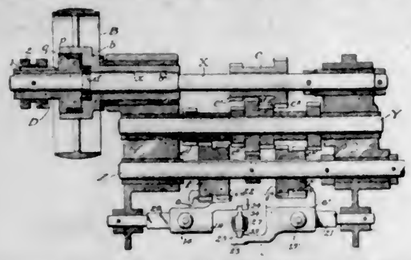
1,502,646. DYNAMITE CARTRIDGE. ERLING A. HEDIN, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 9, 1923. Serial No. 644,497. 3 Claims. (Cl. 102—6.)

1923. Serial No. 644,497. 3 Claims. (Cl. 102—6.)

1. A dynamite cartridge comprising dynamite enclosed in carbonaceous coated paper containing an oxidation agent adapted to furnish oxygen for the complete combustion of the paper and coating without interfering with the appropriate combustion of the dynamite.

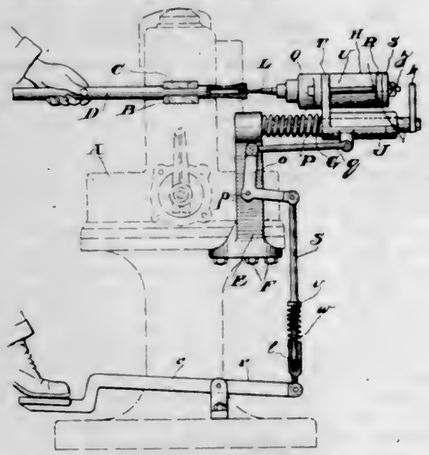
1,502,647. CHANGE GEAR. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Original application filed Aug. 25, 1920. Serial No. 406,009. Divided and this application filed Jan. 3, 1924. Serial No. 684,155. 4 Claims. (Cl. 74—38.)

1. A speed-change mechanism combining only five gears keyed to an intermediate shaft; two gears on a power shaft, the one being adapted to be engaged with one of said five gears, and the other with another of said five gears, four gears splined on a delivery shaft, two of said gears being engageable with two of the five gears on the intermediate shaft not engaged by either of the gears on the power shaft, and the



remaining two of the gears on the delivery shaft being respectively engageable with one or another of the remaining gears of the intermediate shaft; and hand-controlled means for effecting said engagement.

1,502,648. SHANK AND BIT PUNCH. WILLIAM A. SMITH, Detroit, Mich., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Apr. 24, 1920. Serial No. 376,306. Patent No. 1,395,747, dated Nov. 1, 1921. Divided and this application filed Oct. 3, 1921. Serial No. 505,135. 1 Claim. (Cl. 76—5.)



In a machine for re-opening the bits and shanks of hollow drill steels and similar tools, the combination of means for holding the drill steel, punching mechanism in the form of a guide bar and a cylinder slidably mounted thereon, an anvil block having limited longitudinal movement in said cylinder, a pin removably held by said anvil block, a fluid actuated piston adapted to reciprocate in said cylinder for hammering the pin into the drill steel, a spring tending normally to hold said cylinder in a direction away from said steel, manually actuated levers for sliding the cylinder forwardly along said guide bar for forward feeding and for returning the cylinder to its initial position.

Patents Nos. 1,502,649 to 1,503,460.

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Reissues	3—No.	15,880 to No.	15,882, inclusive.
Designs	47—No.	66,317 to No.	66,363, inclusive.
Patents	812—No.	1,502,949 to No.	1,503,190, inclusive.
Total	1,119		

Interference Notices.

U. S. PATENT OFFICE, *Washington, July 16, 1924.*

John H. Coyle, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of the Medico-Dental Specialty Co., 238 Broadway, San Diego, Calif., for registration of a trade-mark and trade-mark registered July 22, 1902, No. 38,645, to John H. Coyle, Thomasville, Ga. The Office having been unable to secure service upon said Coyle, notice is hereby given that unless said Coyle, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, July 17, 1924.*

William P. Dunham, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kaufmann Bros. & Bondy, 33 East Seventeenth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered January 21, 1919, No. 124,192, to William P. Dunham, 501 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said William P. Dunham at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said William P. Dunham, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, July 21, 1924.*

The Vim Medicine Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between J. P. Miller, Box 50, Port Gibson, Miss., for registration of a trade-mark and trade-mark registered February 28, 1905, No. 44,242, to The Vim Medicine Co., 510 National Union Building, Toledo, Ohio, and a notice of such declaration sent by registered mail to The Vim Medicine Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Vim Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, July 21, 1924.*

American Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Waverly Oil Works Company, Fifty-fourth Street and Allegheny Valley Railroad, Pittsburgh, Pa., for registration of a trade-mark and trade-mark registered August 6, 1895, No. 26,907, to the American Chemical Co., Minneapolis, Minn., and a notice of such declaration sent by registered mail to the American Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless the American Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. III.) The Desjauriers patents, for means for forming concrete ceiling and supporting columns, No. 942,169, claims 3 and 4 *Held* invalid; No. 944,543, claim 1 *Held* invalid; No. 1,143,107, claim 1 *Held* invalid. *Guardian Savings & Trust Co.* v. *George W. Johnson Column Form Co.*, 298 Fed. Rep. 251.

(Dist. Col.) The Rowley patent, No. 961,165, for artificial-limb suspender and back check, claims 2, 3, 6, 8, 9, 11, and 12 *Held* valid and infringed. *J. E. Hanger, Inc.*, v. *J. F. Rowley Co.*, 298 Fed. Rep. 350.

(D. C. Del.) The Feldt patent, No. 1,109,670, for method of preparing steel for painting, *Held* valid and infringed. *American Chemical Paint Co.* v. *C. R. Wilson Body Co.*, 298 Fed. Rep. 310.

Condition of Applications Under Examination at Close of Business July 18, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,752; Trade-Mark Division, 1,749. Oldest new case, Nov. 12, 1923; oldest amended, Nov 14, 1923. The dates given are 1923 except where * indicates 1924.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences, Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 31	Dec. 28	950
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 19	Dec. 19	931
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 23	*Feb. 29	1,053
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	*Jan. 12	*Jan. 23	1,075
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 21	Dec. 1	1,472
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Nov. 16	Nov. 14	1,751
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Jan. 21	*Jan. 23	1,694
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 8	*Mar. 6	1,806
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 12	*May 7	636
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Feb. 1	*Feb. 6	1,360
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Mar. 5	*Feb. 7	730
322	12. PIERCE, P. P., Machine Elements	*Feb. 1	*Jan. 17	1,098
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 17	Dec. 27	1,278
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 12	*May 19	957
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Dec. 13	Dec. 28	1,989
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Dec. 24	Dec. 27	2,663
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	*Jan. 7	*Apr. 9	1,252
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 19	Nov. 19	2,086
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Feb. 14	*Apr. 26	956
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	*Feb. 1	*Jan. 18	1,335
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Dec. 21	*May 23	716
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 24	Dec. 14	1,286
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Nov. 23	*Feb. 6	539
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 18	*Jan. 16	995
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Apr. 9	*Apr. 16	633
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 26	Nov. 26	892
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	*Jan. 4	*Jan. 16	1,142
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 26	*Feb. 15	1,097
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 11	*Jan. 7	1,128
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Feb. 19	*Mar. 3	1,044
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	*Jan. 2	*Jan. 2	1,159
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	*Jan. 2	*Jan. 2	980
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 18	*Feb. 18	1,279
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 22	*Jan. 19	829
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Apr. 7	*May 12	733
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 14	*Feb. 11	1,669
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	*Jan. 18	*Jan. 24	1,470
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Jan. 28	*Feb. 8	1,443
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Feb. 2	*Mar. 1	684
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 24	*Mar. 24	1,893
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilent Tires and Wheels	*Jan. 19	*Jan. 23	678
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 12	Nov. 22	1,949
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan. 12	*Jan. 10	1,554
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 18	*Mar. 4	1,289
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	*Jan. 2	*Jan. 21	1,532
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Jan. 19	*Feb. 7	1,052
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Feb. 25	*Mar. 18	775
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Dec. 4	Dec. 3	2,207
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Feb. 7	*Feb. 21	444
102	DESIGNS: C. O. MARKHAM (Acting)	*June 2	*June 7	589
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*June 16	*June 20	1,679
	{Labels and Prints	*July 7	*July 12	70

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

AMERICAN STEEL FOUNDRIES *v.* ROBERTSON, COMMISSIONER OF PATENTS, AND SIMPLEX ELECTRIC HEATING COMPANY.

Appeal from the District Court of the United States for the Northern District of Illinois.

Decided May 21, 1923.

1. TRADE-MARKS—BILL IN EQUITY UNDER SECTION 4915, REVISED STATUTES.

Under section 9 of the Trade-Mark Act, which provides that an applicant for registration of a trade-mark, if dissatisfied with the decision of the Commissioner of Patents, may appeal to the Court of Appeals of the District of Columbia, on complying with the conditions required in case of an appeal from the decision of the Commissioner by an applicant for a patent, and that "the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable," a party whose application for registration of trade-mark has been rejected by the Commissioner and the court of appeals, has the remedy by bill in equity granted to unsuccessful applicants for patent by Revised Statutes, section 4915.

2. SAME—SAME—JURISDICTION OF COURT.

Held that the District Court for the Northern District of Illinois had jurisdiction of this suit, against the Commissioner of Patents and an intervening party, to determine the plaintiff's right to have a trade-mark registered.

APPEAL from a decree of the district court dismissing a bill for registration of trade-mark, for lack of jurisdiction.

Mr. George L. Wilkinson, with whom *Mr. Henry M. Huxley* was on the brief, for appellant.

Mr. Solicitor General Beck and *Mr. Assistant Attorney General Lovett* submitted the case without brief or argument on behalf of the Commissioner of Patents, appellee.

Mr. Nathan Hcard for Simplex Electric Heating Company, appellee.

Mr. Chief Justice TAFT delivered the opinion of the Court.

This is a direct appeal under section 238 of the Judicial Code from a decree of the District Court of the United States for the Northern District of Illinois dismissing a bill in equity. The district judge certifies that the motion to dismiss the bill was sustained solely for lack of jurisdiction.

The bill was filed by the appellant, the American Steel Foundries, against the Commissioner of Patents to secure an adjudication that the appellant is entitled to have its trade-mark "Simplex" registered and authorizing the Commissioner of Patents to register the same. The Commissioner appeared as defendant and by stipulation the Simplex Electric Heating Company was allowed to intervene as the real party in interest. The bill averred that the American Steel Foundries had duly filed an application in the Patent Office for the registration, that the Examiner of Trade-Marks had refused the application, that the Commissioner of Patents had affirmed this refusal, and that, on appeal, the Court of Appeals of the District of Columbia had affirmed the action of the Commissioner, that a petition for certiorari had been filed in this Court and granted, and that thereafter the cause was dismissed by this Court for lack of jurisdiction, on the ground that the decree of the court of appeals was not a final one.

The appellant then filed this bill under section 9 of the Trade-Mark Act of February 20, 1905, c. 592, 33 Stat. 724, and section 4915, Rev. Stats. The intervener based its motion to dismiss on the lack of jurisdiction "over the subject matter or alleged cause of action," and the motion was granted without opinion.

Section 9 of the Trade-Mark Act reads as follows:

Sec. 9. That if an applicant for registration of a trade-mark, or a party to an interference as to a trade-mark, or a party who has filed opposition to the registration of a trade-mark, or party to an application for the cancellation of the registration of a trade-mark, is dissatisfied with the decision of the Commissioner of Patents, he may appeal to the Court of Appeals of the District of Columbia, on complying with the conditions required in case of an appeal from the decision of the Commissioner by an applicant for a patent, or a party to an interference as to an invention, and the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable.

Section 4915 of the Revised Statutes reads as follows:

Sec. 4915. [Patents obtainable by bill in equity.] Whenever a patent on application is refused, either by the Commissioner of Patents or by the Supreme Court of the District of Columbia upon appeal from the Commissioner, the applicant may have remedy by bill in equity; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to law, to receive a patent for his invention, as specified in his claim, or for any part thereof, as the facts in the case may appear. And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent on the applicant filing in the Patent Office a copy of the adjudication, and otherwise complying with the requirements of law. In all cases, where there is no opposing party, a copy of the bill shall be served on the Commissioner; and all the expenses of the proceeding shall be paid by the applicant, whether the final decision is in his favor or not.

The question in this case is whether the closing words of section 9—

and the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable,

are broad enough in their scope to include the "remedy by bill in equity" granted to unsuccessful applicants for a patent in section 4915.

In *Gandy* v. *Marble*, 122 U. S. 432; 39 O. G., 1423, an unsuccessful applicant for a patent who had carried his application by appeal to the Supreme Court of the District, which was dismissed on its merits January 30, 1880, on May 3, 1883, filed a bill in equity in the District Supreme Court under section 4915 against the Commissioner of Patents. That court dismissed the bill on the ground that the applicant had failed to prosecute his application within two years after the dismissal of his

appeal from the Commissioner by the Supreme Court of the District, basing it on section 4894 of the Revised Statutes, reading as follows:

Sec. 4894. All applications for patents shall be completed and prepared for examination within two years after the filing of the application, and in default thereof, or upon failure of the applicant to prosecute the same within two years after any action therein, of which notice shall have been given to the applicant, they shall be regarded as abandoned by the parties thereto, unless it be shown to the satisfaction of the Commissioner of Patents that such delay was unavoidable.

This section applies to proceedings in the Patent Office and before the Commissioner, and it was pressed upon this Court that it could not apply to such an independent proceeding as the bill in equity provided for in section 4915. But this Court held that section 4894 did apply. Mr. Justice Blatchford, speaking for the Court, admitted (p. 439), following *Butterworth* v. *Hoe*, 112 U. S. 50, 61; 27 O. G. 519, that the proceeding by bill in equity, under section 4915—

intends a suit according to the ordinary course of equity practice and procedure, and is not a technical appeal from the Patent Office, nor confined to the case as made in the record of that Office, but is prepared and heard upon all competent evidence adduced and upon the whole merits,

but continued—

yet the proceeding is, in fact and necessarily, a part of the application for the patent.

He summed up the conclusion of the Court as follows (p. 440):

The presumption of abandonment, under section 4894, unless it is shown that the delay in prosecuting the application for two years and more after the last prior action, of which notice was given to the applicant, was unavoidable, exists as fully in regard to that branch of the application involved in the remedy by bill in equity as in regard to any other part of the application, whether so much of it as is strictly within the Patent Office, or so much of it as consists of an appeal to the Supreme Court of the District of Columbia under section 4911. The decision of the court on a bill in equity becomes, equally with the judgment of the Supreme Court of the District of Columbia on a direct appeal under section 4911, the decision of the Patent Office, and is to govern the action of the Commissioner. It is, therefore, clearly a branch of the application for the patent, and to be governed by the rule as to laches and delay declared by section 4894 to be attendant upon the application.

[1] This view of the intimate relation of the bill in equity allowed in section 4915 to the application for a patent and the practice and procedure provided in due course thereof is of much assistance in giving proper scope to the words of section 9 of the Trade-Mark Act. After making provision for an appeal to the District Court of Appeals from a simple refusal of registration, and from decisions of the Patent Office in three different kinds of adversary proceedings therein in respect of such registration, on complying with the conditions required in case of an appeal from refusal of a patent or a decision in a patent interference proceeding, the words are—

and the same rules of practice and procedure shall govern in every stage of such proceedings, as far as the same may be applicable.

If the bill in equity of section 4915 is only a part of the proceeding for an application for a patent as held in *Gandy* v. *Marble*, it is no straining of the language to make these words include a bill in equity for the registration of a trade-mark. This Court has taken exactly this view in *Atkins & Co.* v. *Moore*, 212 U. S. 285; 142 O. G. 571. In that case it was held that a decision of the Court of Appeals of the District of Columbia affirming the decision of the Commissioner of Patents refusing registration of a trade-mark on an appeal under section 9 of the Trade-Mark Act was not a final judgment of the court of appeals which could be appealed to this Court, and in the argument to show that it was not, Chief Justice Fuller, who spoke for the Court, said (p. 291):

Under section 4914 of the Revised Statutes no opinion or decision of the court of appeals on appeal from the Commissioner precludes "any person interested from the right to contest the validity of such patent in any court wherein the same may be called in question," and by section 4915 a remedy by bill in equity is given where a patent is refused, and we regard these provisions as applicable in trade-mark cases under section 9 of the act of February 20, 1905.

This language is quoted with approval in the opinion of this Court in *Baldwin Co.* v. *Howard Co.*, 256 U. S. 35; 286 O. G. 865, in which it was held that there could be no review in this Court, by appeal or certiorari, of a decision of the District Court of Appeals in respect to the registration of a trade-mark under section 9 of the Trade-Mark Act.

It is pressed upon us, however, that this language in *Atkins & Co.* v. *Moore* and in *Baldwin Co.* v. *Howard Company*, was not necessary to the conclusion in those cases and is to be regarded as obiter dictum. It was used in arguendo and was the unanimous expression of the Court in both cases. It may be that the conclusion that the decision of the court of appeals was not final and appealable to this Court could have been reached without this argument; but, however, this may be, the construction put by the Court on section 9 is most persuasive and follows so clearly from the decision in *Gandy* v. *Marble*, that we find no reason to question its correctness.

An argument has been made to us against giving such an effect to section 9 based on the intrinsic differences between the nature of the patent right, and that in a trade mark. We do not regard such differences as important in interpreting section 9 when it is obvious from that section and the whole of the Trade-Mark Act that Congress intended to produce a parallelism in the mode of securing these two kinds of Government monopoly from the Patent Office.

[2] The decree of the district court is reversed and the case is remanded for further proceedings.

Court of Appeals of the District of Columbia.

POSTUM CEREAL CO., INC., *v.* CALIFORNIA FIG NUT CO.

No. 1,821. Decided Apr. 7, 1924.

TRADE-MARKS—ACT OF MARCH 19, 1920—JURISDICTION OF THE COURT OF APPEALS OF THE DISTRICT OF COLUMBIA.

The Trade-Mark Act of March 19, 1920, contains no provision for appeal to the Court of Appeals of the District of Columbia.

[For Commissioner's decision see 313 O. G. 454.]

Mr. E. S. Rogers for Postum Cereal Co., Inc.

Mr. A. E. Wallace for California Fig Nut Co.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appellee secured registration of the mark "Fig-Nuts" under the provisions of the Trade-Mark Act of March 19, 1920, 41 Stat. 533, and in this proceeding, based upon section 2 of that act, it is sought to cancel the registration. [See 313 O. G. 454.]

In *U. S. Compression Inner Tube Co.* v. *Climax Rubber Co.*, 53 App. D. C. 370; 290 Fed. 345; 312 O. G. 400, we ruled that the act in question contains no provision for appeal to this court, and hence that we are without jurisdiction to consider one.

It results that this appeal must be and is dismissed for want of jurisdiction.

Dismissed.

Court of Appeals of the District of Columbia.

DE FOREST *v.* MEISSNER, LANGMUIR, AND ARMSTRONG. LANGMUIR *v.* ARMSTRONG, MEISSNER, AND DE FOREST. MEISSNER *v.* DE FOREST, LANGMUIR, AND ARMSTRONG. DE FOREST *v.* MEISSNER AND LANGMUIR. DE FOREST *v.* LANGMUIR.

Nos. 1,638, 1,639, 1,640, 1,641, 1,642. Decided May 5, 1924.

INTERFERENCE—PRIORITY—CONCEPTION OF INVENTION—REDUCTION TO PRACTICE.

Where the work of De Forest culminated in a complete disclosure of the invention in August, 1912, before any of his rivals conceived the invention, and the facts relative to the activity of De Forest following his discovery conclusively answer the charge of lack of diligence up to the time he manufactured and sold the invention and filed his application, *Held* that it matters little whether the case be disposed of upon the theory that what was done in August, 1912, amounted to reduction to practice or merely conception of the invention.

Mr. C. M. Thomas, Mr. F. D. Thomas, Mr. S. E. Darby, Mr. S. E. Darby, jr., Mr. W. H. Davis, Mr. A. D. Lunt, Mr. H. E. Dunham, Mr. Melville Church, and *Mr. Willis H. Taylor, jr.*, for De Forest.

Mr. A. D. Lunt, Mr. H. E. Dunham, Mr. O. Knight, Mr. W. H. Davis, Mr. Thomas Ewing, and *Mr. Willis H. Taylor, jr.*, for Meissner.

Mr. A. D. Lunt and *Mr. H. E. Dunham* for Langmuir.

Mr. O. Knight, Mr. F. D. Thomas, Mr. S. E. Darby, jr., Mr. C. M. Thomas, Mr. S. E. Darby, Mr. W. H. Davis, Mr. Melville Church, and *Mr. Willis H. Taylor, jr.*, for Armstrong et al.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.:*

This interference [41,790] comes here on appeal by the parties Langmuir, De Forest, and Meissner, from the decision of the Commissioner of Patents awarding priority to Armstrong, also appeals by De Forest against Meissner and Langmuir jointly [41,224], and against Langmuir, individually [41,225], for the invention set forth in the following counts:

1. Means for producing sustained electrical oscillations comprising an oscillatory circuit having two electrodes in an exhausted receptacle and a second circuit coupled thereto having a conducting body interposed between said electrodes.

2. Means for producing sustained electrical oscillations comprising an oscillatory circuit having two electrodes, a second circuit coupled thereto having a conducting body interposed between said electrodes, and means for varying the frequency of the produced oscillations.

3. The method of producing electrical alternating currents which consists in causing current to flow in one of two coupled circuits and varying the flow of current in the first circuit by impressing the potential induced in the second circuit upon a conducting body interposed between two electrodes in the first circuit.

The invention set forth in each of the applications is concisely described in the opinion of the Commissioner as follows:

All the counts of all the issues involve the setting up of small current variations in one circuit, creating thereby corresponding variations in a second circuit, and feeding back these second circuit variations inductively into the first circuit to add their effect to the initial variations, which latter, thus reenforced, create and form greater variations in the second circuit, and these are, in turn, also inductively fed back to the first circuit to still further amplify the variations in such first circuit, and these still further amplify those in the second circuit, and so on. The energy of the variations of each circuit reacts upon and increases that in the other circuit until a maximum sustained alternating current is finally produced, whose frequency can be controlled by varying the electric constants of the associated circuits.

The whole case, as here presented, turns upon the question of priority to be determined solely as a question of fact. The Commissioner of Patents, affirming a decision by the Board of Examiners in Chief, awarded priority to the party Armstrong. It may be stated at the outset, that the voluminous record in this case is exceptionally free from contradiction or attempted impeachment of witnesses. Indeed, the whole record may be accepted as embracing a true statement of the facts involved in each case.

Especially are we impressed by the party Armstrong and his witnesses. We have no doubt but what he produced the invention at the time alleged, and did all the things attributed to him by the testimony, as set forth in this record. His earliest claim to a conception of this invention is October 1912, followed by a witnessed sketch on January 31, 1913. This date antedates any time claimed by or available to either the party Meissner or Langmuir. These parties, therefore, are eliminated from further consideration.

This narrows the case to De Forest and Armstrong. It is clearly shown that De Forest was developing the idea involved in this invention in the early part of 1912, and it is claimed that the work culminated in a complete disclosure of the invention in August of that year. If this claim is sustained De Forest must prevail.

Coming, therefore, to De Forest's case, the Examiner of Interferences found that in the experiment of August 6, 1912, the repeating circuit used as an amplifier of telephonic currents was modified by a connection between the plate-filament circuit and the grid-filament circuit. This resulted in the production of "a beautiful clear tone."

This, the witnesses have testified, was due to the audion generating oscillations or alternating current due to the feed-back action and was understood by them at the time of the experiment. This, it is believed, establishes the fact that De Forest had a conception of the invention at that time, August 6, 1912, and that it was disclosed to others.

The Board of Examiners in Chief after reviewing the testimony held that they were—

not fully satisfied that De Forest really had a conception of his invention in August 1912

The Assistant Commissioner reviewing the De Forest case, and the experiments made in August 1912, held that—

> It must be conceded this circuit diagram of August 6, 1912 shows such an arrangement, that if the constants were proper, sustained alternating currents of oscillations would be produced. It is believed, further, the making of the diagram and the production of the "beautiful clear tone" by the apparatus connected up according to such diagram have been fairly proved by the evidence, and that, therefore, such apparatus embodied the issue of this interference. The authenticity of the notebooks and diagrams and the proofs as to their dates, as well as the production of the beautiful clear tone at the time alleged, have not been seriously controverted. Clearly the production of the tone was accidental, but this is not of moment. Did De Forest understand what was done, that the tone was due to the feed-back coupling relation, and could he reproduce the tone at will? De Forest states that he understood what was taking place and both Logwood and Van Etten corroborate him, but he has introduced no record to support this oral testimony given many years afterwards.

He then holds that the failure of De Forest to proceed after August 6, 1912, with the feed-back circuit until after Armstrong had reduced to practice; entitled Armstrong to priority.

It will be observed that the Assistant Commissioner in effect holds that what De Forest did in August 1912, amounted to a reduction to practice, but that after reducing the invention to practice he abandoned it. In patent law abandonment after reduction to practice is a proposition somewhat difficult of demonstration. At best, however, abandonment under such circumstances is a matter of proof and not of assumption. We think De Forest's record will neither sustain the charge of abandonment nor lack of diligence. The Assistant Commissioner attempts to support his conclusion on the theory that while De Forest unquestionably made this important discovery he did not recognize how the effect was obtained nor did he possess knowledge of how to reproduce it, and that such knowledge, accompanied by simultaneous or subsequent utilization of it in a manner essential to carry out its intended function, is necessary to take the production or discovery out of the class of abandoned experiments.

De Forest was the inventor of the epoch-marking invention the audion which he patented both as an amplifier and as a detector. Prior to 1912 he had devoted much of his time to experiments on the audion and to the various uses to which it might be put. At the time he discovered the oscillating audion he was investigating telegraphone recording; the telephone two-way repeater, and the amplifier for wireless work. It appears from his notebook records that the first discovery of the feed-back circuit for producing oscillations occurred in connection with his work on the amplifier for wireless and telephone two-way repeater work. There is some testimony, principally from memory, by De Forest and his corroborating witnesses, Van Etten and Logwood, that prior to August 1912 the oscillating properties of the audion were discovered. It is unnecessary, however, to go behind the written records, of August 6, 1912. This record, with the accompanying drawing, which was made by Van Etten, who was working under the direction of De Forest, clearly shows a feed-back circuit. It also discloses that when connected up it produced oscillations evidenced by "a beautiful clear tone."

The notes and diagrams made by Van Etten on August 6, 1912, were not copied into the De Forest record book, but it was followed by more complete demonstrations on August 29, 1912 of which a full and complete record was made by Van Etten in the De Forest record book. The notes indicate that the circuit was tested for amplification with successful results. It is also noted, that reversing the connections to the secondary winding coil, all sorts of musical notes were produced in the Brandes phones, and that when the connections are reversed the musical notes, whistle, etc., disappear, and the ticks come through as before. There is no question, both from the disclosure and the testimony of the witnesses, that the circuit produced oscillations of audio frequencies, evidenced by the tones in the receiver, the pitch of which could be varied by small changes in the constants of the circuit. While some question is raised as to whether the oscillations were produced by coupling of the circuits of the audion or by means not covered by the issue, we think there can be no question from the evidence supporting the disclosure that the oscillations were produced by coupling of the audion circuits.

We think the drawings and notes made by Van Etten in August 1912, clearly disclose the invention as well as the results obtained. The notes trace from the diagram the successful results culminating in the production of the alternating currents. This is not the character of invention where one skilled in the art can draw a diagram and from mere observation theorize a result. No one could even guess how the audion would act in the circuit. It contained an undisclosed secret, an undiscovered phenomena, which could only be revealed through an actual test. We think the notes contained a complete record of the invention in issue as well as the results obtained. This marvelous invention was not such a thing as would likely be forgotten by those who witnessed its discovery. Nor does the testimony of the witnesses support either the conclusion that it was cast aside and forgotten, or that their understanding of it was too meager to permit of its reproduction.

Indeed, it is conceded, by the opposing parties, that the circuit arrangement, as shown in the record of August 6, 1912, is a feed-back circuit. It is further clearly shown that oscillations were produced and that the oscillations were produced because of the feed-back circuit. Van Etten testified that the purpose was—

> to demonstrate that the audion would amplify minute currents and would be useful primarily in wireless work.

He further testified that the experiment with the audion as an amplifier was deliberately made—

> with the expectation and intention of making the audion sing or produce various musical notes and alternating currents.

He also testified that the work was done under the general direction of De Forest, and "that he was acquainted with the progress of the work." Speaking of the notebook record Van Etten said:

> The write-up indicated that in the course of an experiment with the audion as an amplifier, I deliberately turned aside to determine what might be done with the equipment and circuit then available, to produce musical tones and alternating currents.

De Forest testifies that in August 1912—

> the first arrangement was used and disclosed for producing alternating currents suitable for the production of musical tone. The principles involved were discussed and explained; the circuits were clearly understood and recorded, and many observations were made covering the arrangements or changes whereby the pitch and quality of the musical notes thus produced could be controlled.

It is generally conceded, indeed as it must be, not only by the Examiner and Commissioner, but by the parties to this action, that the diagram made in August 1912, as well as the accompanying notes, not only disclosed the invention but disclosed it in a clear workable manner. So clearly was this fixed in the mind of De Forest that in October 1912 he returned to New York and there met the witness Stone at the Arts Club. He told Stone of his discovery. Stone procured a piece of paper on which De Forest reproduced the drawing showing the invention, as it appeared in the disclosure made in August. So perfectly did this demonstrate the invention, that Stone, years afterward, when testifying in this case, took a piece of paper and reproduced the drawing while on the witness stand, purely from his recollection of what he had seen in the Arts Club in New York.

In February 1913, De Forest returned to California, and on April 17th following, put into actual practice the oscillating audion. In May of the same year he returned to New York, and in June, filed an application for a patent for the amplifier and relay, in the hope of raising sufficient funds to commercialize the present invention. He succeeded in September 1913 in selling to the telephone company the invention for which he filed in June, and immediately wired Logwood in California to join him for the purpose of commercializing the oscillating audion invention. Logwood came to New York, and in October started work toward commercializing the invention. March 12, 1914, application was filed by De Forest and Logwood for the oscillating audion invention, and about the same time apparatus was manufactured and sold embodying the invention. The present application was filed by De Forest individually, September 23, 1915. The subject matter here in issue was the sole invention of De Forest, but it was disclosed in the original joint application of De Forest and Logwood. The facts relative to the activity of De Forest following the discovery of August 1912, are not only well proven, but they stand undisputed in this record, and we think completely negative any thought of abandonment. They likewise conclusively answer the charge of lack of diligence. If it be assumed that the disclosure of August 1912 amounted to nothing more than a conception of the invention.

In this view of the case, it matters little whether the case be disposed of upon the theory that what was done in August 1912 amounted to reduction to practice or merely conception of the invention. In either event De Forest must prevail. While we think the work then accomplished amounted to reduction to practice, the case can be as readily disposed of upon the ground that De Forest clearly had at that time a conception of the invention and made a disclosure of it to others, since there is nothing to show, under the circumstances disclosed in this record, that he was lacking in diligence.

Attention has been directed to our decision in the case of *De Forest* v. *Miller*, 50 App. D. C. 202; 285 O. G. 189, where it is urged that we passed upon the sufficiency of De Forest's disclosure of August 6, 1912. The issue in that case involved a system for producing musical sounds, whereby the pitch and intensity could be so controlled as to produce any note of the musical scale at will, thereby obtaining a musical instrument which produced beautiful clear and sweet musical notes. The claim was very different from the claim here in issue which calls for "means for producing sustained electrical oscillations." The development of the musical instrument did not occur until 1915 when the interference arose between the applications of De Forest and Miller. It was not denied by the Patent Office in that case, that the disclosure of De Forest of August 6, 1912 amounted to a conception of the invention, but assuming that to be true, it was properly held by the tribunals that there was a total lack of diligence on his part in developing the particular invention there in issue. Hence that case has no bearing upon the present litigation.

It is insisted, however, that the question of priority between De Forest and Armstrong was disposed of by the United States District Court for the Southern District of New York in *Armstrong* v. *De Forest Radio Telephone & Telegraph Co.*, 279 Fed. 445. That case involved an infringement, and the question of priority, so far as the present interference is concerned, was not there involved. The Armstrong patent there in suit involved a radio signaling system and every claim called for a radio signaling system, and in no respect contemplated the production of "sustained electrical oscillations." We are not here concerned with the question of whether the production of electrical oscillations be of radio or audio frequencies, or to what particular use they are put. So remote are the present issues from the claims before the New York court, that if De Forest had been accorded August 6, 1912 for reduction to practice in that case, it would not necessarily have anticipated the terms of the claims of the Armstrong patent. Hence the discussion of the New York court, as to what De Forest did in August 1912, is merely pursuasive.

The decisions of the Commissioner are reversed, and priority awarded De Forest.

This case was decided prior to the death of the late Chief Justice.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

684,662, G. V. Ahara, Feeder for explosive engines, appeal filed Dec. 13, 1923, C. C. A. (7th Cir.), Doc. 3370, *Zenith Carburetor Co.* v. *Stromberg Motor Devices Co.*

703,602, Laas & Sponenburg, Railway-rail stay, appeal filed May 28, 1923, C. C. A. (7th Cir.), Doc. 3296, *O. R. Barnett* v. *Anchor Co. et al.* Decree of district court affirmed Mar. 13, 1924.

735,133, 828,421, E. L. McKinnon, Cheese press, appeal filed Dec. 14, 1922, C. C. A. (7th Cir.), Doc. 3234, *Damrow Bros. Co.* v. *Stoelting Bros. Co.* Decree of district court affirmed as to Patent 735,133 and reversed with directions to district court to enter decree holding Patent 828,421 invalid Jan. 5, 1924.

809,582, H. Robinson, Machine for peeling vegetables; 942,932, same, Vegetable-paring machine, appeal filed Jan. 12, 1924, C. C. A. (7th Cir.), Doc. 3379, *A. Pick & Co.* v. *Imperial Machine & Foundry Co.*

823,710, W. G. Stockham, Sand mixer, appeal filed Jan. 23, 1923, C. C. A. (7th Cir.), Doc. 3253, *L. J. Mueller Furnace Co.* v. *American Foundry & Equipment Co.* Decree of district court reversed with directions to dismiss bill July 18, 1923.

828,421. (See 735,133.)

829,498, C. Wright, Hood for automobiles, appeal filed Jan. 19, 1924, C. C. A. (7th Cir.), Doc. 3382, *Moline Pressed Steel Co.* v. *Charlotte Wright.*

849,383, J. L. Fruin, Sanitary T, appeal filed Jan. 2, 1924, C. C. A. (7th Cir.), Doc. 3376, *Stringer Bros. Co.* v. *Fruin & Walker Co. et al.*

878,225, J. C. Miller, Pasteurizer; 945,570, same, Ice-cream freezer, appeal filed Feb. 1, 1924, C. C. A. (7th Cir.), Doc. 3390–91, *The Creamery Package Mfg. Co.* v. *H. H. Miller Industries Co. et al.*

894,239, J. B. Strauss, Bascule bridge, appeal filed Jan. 8, 1923, C. C. A. (7th Cir.), Doc. 3243, *Strauss Bascule Bridge Co.* v. *Scherzer Rolling Lift Bridge Co.* Appeal dismissed Sept. 10, 1923.

942,169, Deslauriers & Deslauriers, Means for constructing concrete columns; 944,543, same, Means for forming a concrete ceiling and supporting columns; 1,143,107, same, Column mold; 1,122,822, W. M. Venable, Column top mold, appeal filed Feb. 21, 1923, C. C. A. (7th Cir.), Doc. 3263, *The Guardian*

Savings & Trust Co. v. *G. W. Johnson Column Form Co.* Decree of district court affirmed Mar. 19, 1924.

942,932. (See 809,582.)

944,543. (See 942,169.)

945,570. (See 878,225.)

947,196, A. J. Cropp, Mixing machine, appeal filed Sept. 21, 1923, C. C. A. (7th Cir.), Doc. 3337, *Standard Scale & Supply Co.* v. *Cropp Concrete Machinery Co. et al.*

955,173, W. Klocke, Drawing press, final consent decree for plaintiff holding patent valid and infringed as to claims 4, 5, 6, and 7, D. C., N. D. Ohio (W. Div.), Doc. 319, *E. W. Bliss Co.* v. *The Toledo Machine & Tool Co.* Same, suit filed July 31, 1921, D. C., N. D. Ohio (W. Div.), Doc. 250. *E. W. Bliss Co.* v. *The Toledo Machine & Tool Co.* Final decree for plaintiff same as interlocutory decree entered Dec. 1, 1921, except as to direction of accountings of profits and damages which have been agreed upon. (Notice dated May 26, 1924.)

964,756, 1,135,766, E. Cheshire, Sheet-register device; 1,135,767, same, Driving-motor support; 1,145,403, 1,194,327, same, Sheet separating and moving device; 1,145,404, same, Table-elevating mechanism; 1,145,405, same, Paper feeding and handling device; 1,194,328, same, Sheet stacker, appeal filed Sept. 10, 1923, C. C. A. (7th Cir.), Doc. 3331-2, *Muller Saw Trimmer Co.* v. *E. Cheshire et al.*

983,675, W. F. Bruggman, Printer's register hook, appeal filed Feb. 5, 1924, C. C. A. (7th Cir.), Doc. 3395, *Printing Utilities Co.* v. *International Harvester Co.*

984,236, J. F. O'Connor, Roller side bearing, appeal filed Sept. 30, 1922, C. C. A. (7th Cir.), Doc. 3203, *E. S. Woods & Co. et al* v. *W. H. Miner*. Decree of district court affirmed June 29, 1923.

988,561, H. L. Ferris, Animal stall, appeal filed Aug. 17, 1923, C. C. A. (7th Cir.), Doc. 3320, *Hunt, Helm, Ferris & Co.* v. *G. A. Elbert et al.*

1,036,290, S. May, Sausage casing: 1,036,291, same, Method of making sausage casings; 1,063,713, 1,063,714, same, Sausage casing and method of making same, appeal filed Jan. 29, 1924, C. C. A. (7th Cir.), Doc. 3385, *Wolf, Sayer & Heller* v. *Patent Casing Co.*

1,036,291. (See 1,036,290.)

1,063,713. (See 1,036,290.)

1,063,714. (See 1,036,290.)

1,113,149, E. H. Armstrong, Wireless receiving system, appeal filed Nov. 10, 1923, C. C. A. (7th Cir.), Doc. 3357, *Klitzen Radio Mfg. Co.* v. *Westinghouse Electric & Mfg. Co.* Same, Bill of complaint dismissed May 3, 1924, D. C., S. D. Iowa (Davenport Div.), Doc. 4052, *Westinghouse Electric & Mfg. Co.* v. *Tri-City Radio Electric Supply Co. et al.*

1,122,822. (See 942,169.)

1,135,766. (See 964,756.)

1,135,767. (See 964,756.)

1,143,107. (See 942,169.)

1,145,403. (See 964,756.)

1,145,404. (See 964,756.)

1,145,405. (See 964,756.)

1,160,666, W. Stuebing, jr., Truck, appeal filed Oct. 4, 1922, C. C. A. (7th Cir.), Doc. 3207, *The Stuebing Truck Co.* v. *C. A. Olson*. Decree of district court affirmed June 23, 1923.

1,177,079, P. Agrillo, Chain, appeal filed Nov. 14, 1922, C. C. A. (7th Cir.), Doc. 3222, *Victory Bell Co.* v. *Marshall-Field & Co.*

1,191,153, V. J. Burry, Vehicle body bearing; 1,396,687, 1,396,688, E. A. Laughlin, same, appeal filed May 15, 1923, C. C. A. (7th Cir.), Doc. 3294, *Burry Railway Supply Co.* v. *E. A. Laughlin et al.* Decree of district court reversed Jan. 5, 1924.

1,194,327. (See 964,756.)

1,194,328. (See 964,756.)

1,212,805, M. Newman, Reenforced garment, appeal filed Oct. 20, 1922, C. C. A. (7th Cir.), Doc. 3214, *E. A. Shehan et al.* v. *J. Mayer et al.* Decree of district court affirmed Apr. 18, 1923.

1,221,059, C. E. Jones, Hanger for light-reflecting bowls, appeal filed Oct. 9, 1923, C. C. A. (7th Cir.), Doc. 3342, *Dallas Brass & Copper Co. et al.* v. *Farris Mfg. Co.*

1,226,600, R. C. Schemmel, Finishing welt, appeal filed Feb. 12, 1923, C. C. A. (7th Cir.), Doc. 3261, *The Backstay Machine & Leather Co.* v. *Zenith Metal Co.* Decree of district court reversed July 19, 1923.

1,235,657, W. H. Coles, Pipe coupling for irrigating systems, suit filed May 22, 1924, D. C., W. D. Mich. (S. Div.), Doc. 2011, *Skinner Irrigation Co.* v. *March Automatic Irrigation Co.*

1,235,697, J. Kelling, Fleshing machine; 1,382,126, Schroedter & Kelling, same, appeal filed July 24, 1923, C. C. A. (7th Cir.), Doc. 3311-12, *J. Laskin et al.* v. *Monarch Fleshing Machine*. Decree of district court modified by finding claims 9, 10, 11, and 12 not infringed instead of invalid, and as modified said decree affirmed Mar. 1, 1924.

1,243,959, R. F. McGowan, Furnace, suit filed May 22, 1924, D. C., S. D. Ohio (E. Div.), Doc. 295, *W. E. Pierson* v. *R. F. McGowan.*

1,251,150, A. J. Widmer, Ceiling ties, appeal filed Jan. 29, 1924, C. C. A. (7th Cir.), Doc. 3384, *P. J. Kalman Co. et al.* v. *The Goldsmith Metal Lath Co.*

1,265,735, A. P. Brush, Internal-combustion engine, appeal filed Feb. 29, 1924, C. C. A. (7th Cir.), Doc. 3404, *A. P. Brush et al.* v. *Lexington Chicago Co.*

1,279,454, 1,342,873, D. H. Schweyer, Train-controlling apparatus; 1,389,602, same, Automatic train-control system, suit filed Dec. 20, 1923, D. C., S. D. N. Y., Doc. E 28/194, *Schweyer Electric & Mfg. Co. et al.* v. *Regan Safety Devices Co., Inc., et al.* Final decree sustaining patents, adjudging infringement by defendants Regan Safety Devices Co., Inc., and J. B. Regan, and granting injunction filed May 21, 1924.

1,342,873. (See 1,279,454.)

1,382,126. (See 1,235,697.)

1,389,602. (See 1,279,454.)

1,396,687. (See 1,191,153.)

1,396,688. (See 1,191,153.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,315,735, A. G. M. Michell, Bearing element, decided June 7, 1924, claims 2, 4, and 6.

Pat. 1,377,555, C. C. Bradbury, Telephone system, decided June 17, 1924, claims 1, 2, 3, and 6.

Pat. 1,437,016, E. A. Riotte, Internal-combustion engine, decided June 10, 1924, claims 1 and 2.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 29, 1924.

[VOL. 324. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 116,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM S. LOUGEE, doing business as V. L. Company, Cleveland, Ohio. Filed Feb. 26, 1919.



Portrait of C. A. Valentine.

Particular description of goods.—Veterinary Liniment.

Claims use since Feb. 22, 1916.

Ser. No. 146,864. (CLASS 2. RECEPTACLES.) SAMUEL BUCHSBAUM, doing business as S. Buchsbaum & Co., Chicago, Ill. Filed Apr. 28, 1921.

4-FOLD

Particular description of goods.—Jewelry Cases.

Claims use since Mar. 18, 1921.

Ser. No. 167,240. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISCHER MEAT CO., St. Louis, Mo. Filed July 22, 1922.



No claim is made to the word "Ham."

Particular description of goods.—Ham, Bacon, Corned Beef, Boiled Ham, Chipped Beef, California Ham, and Fresh Beef and Pork.

Claims use since about July 10, 1922.

Ser. No. 168,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GREGORY A. PAVICH, Washington, D. C. Filed Aug. 12, 1922.



No claim is made to the words "Sweet Laxative Bitters" apart from the mark as shown in the drawing.

Particular description of goods.—Medical Liquor Useful in the Treatment of the Following—to wit, Pneu-

monia, Inflammation of the Lungs, Catarrhal Affections, Kidney Trouble, Cholera, Colic, Diarrhea, Stomach Cramps, Urinary Catarrh, Bladder Trouble, Hemorrhoids, Throat Catarrh, Throat Itching, Hoarseness, Trachea Troubles, Bronchial Catarrh, Colds, Headaches, Dizziness, Womb Troubles, Vaginal Catarrh, Influenza, and General Cleaner and Tonic for the Blood System, Male and Female Sexual Tonic, Nerve, Vein, and Artery Tonic, and Especially Useful in the Treatment of Male and Female Impotence.

Claims use since Feb. 5, 1922.

Ser. No. 168,885. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM F. GRAWEY, doing business as Peoria Auto Parts Co., Peoria, Ill. Filed Aug. 30, 1922.

PEORIA AUTO PARTS CO.

Particular description of goods.—Connecting-Rod and Main Motor Bearings, Ring Gears and Pinions, Axle Shafts, Differential Cases, and Silent Timing Gears.

Claims use since Sept. 1, 1920.

Ser. No. 171,234. (CLASS 39. CLOTHING.) ROBITSCHER & DAUM, New York, N. Y. Filed Oct. 26, 1922.

RADIO

Particular description of goods.—Men's, Women's, and Children's Knit Underwear.

Claims use since Apr. 1, 1922.

Ser. No. 171,372. (CLASS 39. CLOTHING.) SAMUEL N. MAGILL, INC., Philadelphia, Pa. Filed Oct. 30, 1922.

Her Majesty

Particular description of goods.—Woven Silk Underwear.

Claims use since Aug. 24, 1922.

Ser. No. 173,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN J. M. CARAMETOS, doing business as E. B. Candy Co., Chicago, Ill. Filed Dec. 15, 1922.

Peanut Dandy

No claim is made to the words "Peanut Dandy" apart from the other features of the mark shown.

Particular description of goods.—Chocolate-Coated Peanut-Candy Cake.

Claims use since Nov. 2, 1922.

Ser. No. 176,018. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FAIR, Chicago, Ill. Filed Feb. 14, 1923.

"PROTEX"

Particular description of goods.—Sanitary Belts, Sanitary Aprons, Sanitary Bloomers, Rubber Hot-Water Bottles, and Rubber Fountain Syringes.

Claims use since Dec. 1, 1922.

Ser. No. 176,601. (CLASS 12. CONSTRUCTION MATERIALS.) CARTHAGE MARBLE AND WHITE LIME COMPANY, Carthage, Mo. Filed Feb. 26, 1923.

CARTHAGE MARBLE & WHITE LIME CO. IMPERIAL

No claim is made, however, to the words "Gray Marble."

Particular description of goods.—Marble and Limestone Finished for Construction Purposes.

Claims use since about May 1, 1919.

Ser. No. 177,441. (CLASS 37. PAPER AND STATIONERY.) ALFRED H. KEAST, San Francisco, Calif. Filed Mar. 14, 1923.

BINDING UNIVERSAL MACHINE

No claim is made to the exclusive use of the words "Binding Machine" apart from the mark as shown in the drawing.

Particular description of goods.—Sticker Tape and Moistening Machines.

Claims use since Dec. 1, 1922.

Ser. No. 178,155. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILSON SEED AND FLORAL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

"Honor Bright"

Particular description of goods.—Ornithological Preparations—Namely, Insect and Parasite Destroying Preparations and Tonics Employed in the Treatment of Bird Disorders and Maintenance.

Claims use since Jan. 1, 1913.

Ser. No. 179,431. (CLASS 39. CLOTHING.) SAMUEL SPITZ & SONS, INC., Chicago, Ill. Filed Apr. 20, 1923.

WOOLWEAR TOMBOY Chicago

No claim is made to the right to the exclusive use of the names "Woolwear" and "Chicago" apart from the mark shown on the drawing.

Particular description of goods.—Boys' Coats and Girls' Coats.

Claims use since Nov. 1, 1922.

Ser. No. 180,008. (CLASS 39. CLOTHING.) HOFFMAN HOSIERY COMPANY, Philadelphia, Pa. Filed May 1, 1923.

Amity

Particular description of goods.—Hosiery and Underwear Manufactured From Knitted and Textile Fabrics for Men, Women, and Children.

Claims use since Jan. 1, 1922.

Ser. No. 180,775. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POMONA PRODUCTS COMPANY, Griffin, Ga. Filed May 14, 1923.

GEORGIA BELLE

Particular description of goods.—Canned Pimiento Peppers.

Claims use since Feb. 26, 1923.

Ser. No. 180,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS POHAJDA, Chicago, Ill. Filed May 19, 1923.

PILSNER

The shading of the letters of the trade-mark as shown on the drawing indicate the color red.

Particular description of goods.—Malt Extract for Food Purposes Only.

Claims use since Mar. 15, 1921.

Ser. No. 181,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. M. P. FITZGERALD, Houston, Tex. Filed June 4, 1923.



Particular description of goods.—Shampoo Preparation.

Claims use since Dec. 15, 1921.

Ser. No. 181,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed June 7, 1923.

CANOE

Particular description of goods.—Wheat Flour, Particularly Self-rising Flour.
Claims use since about Apr. 18, 1923.

Ser. No. 181,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed June 7, 1923.



Particular description of goods.—Wheat Flour, and Particularly Self-Rising Flour.
Claims use since about Apr. 18, 1923.

Ser. No. 181,668. (CLASS 39. CLOTHING.) BERKLEY KNITTING COMPANY, Philadelphia, Pa. Filed June 8, 1923.



The representation of the necktie is not applicant's trade-mark apart from the mark shown in the drawing.
Particular description of goods.—Neckties and Cravats.
Claims use since Apr. 7, 1923.

Ser. No. 181,985. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANKEL BROS., New York, N. Y. Filed June 14, 1923.



Particular description of goods.—Golf Balls, Golf Clubs, and Golf Bags.
Claims use since May 28, 1923.

Ser. No. 182,022. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed June 14, 1923.

B

Trade-mark consists of the letter "B."
Particular description of goods.—Nails Used in the Manufacture of Boots and Shoes.
Claims use since April, 1914.

Ser. No. 182,023. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed June 14, 1923.

F

Trade-mark consists of the letter "F."
Particular description of goods.—Nails Used in the Manufacture of Boots and Shoes.
Claims use since April, 1914.

Ser. No. 182,072. (CLASS 37. PAPER AND STATIONERY.) STRAUBEL MACHINE COMPANY, Green Bay, Wis. Filed June 15, 1923.



Particular description of goods.—Toilet Paper, Paper Towels, and Paper Napkins.
Claims use since May 24, 1923.

Ser. No. 182,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARCIA & MAGGINI CO., San Francisco, Calif. Filed June 21, 1923.

OCEAN BREEZE

Particular description of goods. Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since May 31, 1923.

Ser. No. 182,773. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD MOTOR PRODUCTS CO., San Francisco, Calif. Filed July 3, 1923.

MASTER

Particular description of goods. Cast Bearings and Bushings.
Claims use since Nov. 15, 1922.

Ser. No. 183,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CITY CANNING CO., Iowa City, Iowa. Filed July 26, 1923.

HOLSUM



No claim is made to the word "Holsum" (wholesome).
Particular description of goods.—Canned Corn.
Claims use since 1912.

Ser. No. 183,796. (CLASS 39. CLOTHING.) D. W. KAATZE CO., INC., New York and Brooklyn, N. Y. Filed July 28, 1923.

"LITTLE BO-PEEP"

Particular description of goods.—Children's Underpetticoats, Princess Slips, Kimonos, Nightgowns, Sackets, Bloomers and Combinations, Drawers, Drawerwaists, and Pyjamas for Girls and Boys.
Claims use since about July 15, 1923.

Ser. No. 183,849. (CLASS 5. ADHESIVES.) THE OILESS CORE BINDER COMPANY, Cleveland, Ohio. Filed July 30, 1923.



No claim is made to the word "Oiless" apart from the mark shown in the drawings or except in the arrangement there shown.
Particular description of goods.—Oilless Core Binder.
Claims use since June 21, 1923.

Ser. No. 183,996. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Aug. 2, 1923.

RÊVE DE CHINE

Particular description of goods.—Toilet Water, Sachet, Tooth Powder, Tooth Paste, Nail Polish, Nail Paste, Nail Powder, Nail Enamel, Mouth Wash, Lip Stick, Eyebrow Pencil, Liquid Rouge, Rouge Compact, Liquid Powder, Hair Tonic, Shampoo Powder, Liquid Shampoo, Dusting Powder, Bath Powder, Bath Salts, Astringents, Powder Compact, Vegetale's Lotions, Eau de Cologne, Cold Cream, Vanishing Cream, Skin Tonic, Depilatory, Face Lotions, Brilliantine, Face Pack.
Claims use since Oct. 25, 1921

Ser. No. 184,016. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARTHUR JOHN BANKS, St. Lambert, Quebec, Canada. Filed Aug. 3, 1923.

BANX

Particular description of goods.—Fermentation Meters.
Claims use since May 1, 1923.

Ser. No. 184,187. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ENRICO SCAVINI, Turin, Italy. Filed Aug. 7, 1923.

Lenci

Particular description of goods.—Dolls, Manikin Dolls, Figure Dolls Representing Animals, Human Figures, and Grotesque Characters, Favors, and Wheeled Toys.
Claims use since Feb. 27, 1920.

Ser. No. 184,445. (CLASS 37. PAPER AND STATIONERY.) GRAFO PENCIL COMPANY, LTD., Ceske Budejovice, Czechoslovakia. Filed Aug. 14, 1923.

CON-QUE-ROR

Particular description of goods—Lead and Copying Pencils.
Claims use since Apr. 1, 1922.

Ser. No. 185,733. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Sept. 12, 1923.

VITA

Particular description of goods.—Bread and Cake.
Claims use since Aug. 29, 1923.

Ser. No. 186,967. (CLASS 39. CLOTHING.) SHULMAN BROTHERS & KARBER, INCORPORATED, Detroit, Mich. Filed Oct. 13, 1923.

FELT-TEX

Particular description of goods.—Men's Felt, Straw, Cloth, and Silk Hats and Caps.
Claims use since Feb. 15, 1923.

Ser. No. 187,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE F. SCOTT, Bath, N. Y. Filed Oct. 15, 1923.

George F. Scott

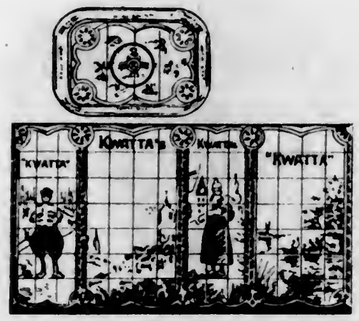
The mark illustrated in the accompanying drawing is the facsimile of applicant's signature.
Particular description of goods.—Preparation for Cramps.
Claims use since on or about July 1, 1922.

Ser. No. 187,074. (CLASS 39. CLOTHING.) JOSEPH W. WEIN, doing business as National Chain Stores, Spokane, Wash. Filed Oct. 16, 1923.

BETTER VALUES NATIONAL CHAIN STORES SERVICE

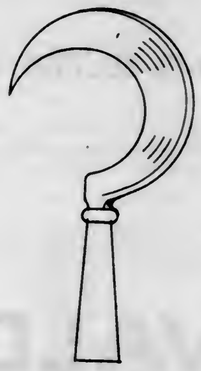
No claim is made for the words "Better Values, Service" apart from the mark shown by the drawing.
Particular description of goods.—Men's and Boys' Outer Garments—Namely, Coats, Vests, Overcoats, Raincoats; Trousers of All Lengths (Regular, Knee, Lace, or Button Bottom); Suits in One, Two, Three, and Four Piece Garments; Overalls, Jumpers, Dress Shirts, Sport Shirts, Negligee Shirts, Collars, Neckwear, Hats, Caps; Leather, Fabric, and Knitted Gloves; Mufflers, Bathing Suits, Knitted Toques, Sweaters; Shoes of Leather, and Combinations of Rubber and Leather, or Leather and Fabric, or Fabric and Rubber; Undergarments—Namely, Knitted and Textile Underwear; Hosiery, Pyjamas, Nightshirts, Smoking Jackets, House Coats, Bath Robes, Bedroom Slippers; and Women's, Misses', Children's, and Infants' Outer Garments—Namely, Suits, Cloaks, Capes, Dresses, Skirts, Waists, Shoes of Leather and Combinations of Leather and Fabric, Hats, Knitted Toques, Scarfs, Bathing Suits, Sweaters; Leather, Fabric, or Knitted Gloves; Undergarments—Namely, Vests, Corset Covers, Brassières, Bloomers, Union Suits, Bath Robes, Nightgowns, Pyjamas, Kimonos, Buntings, Hosiery.
Claims use since June 15, 1923.

Ser. No. 187,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. V. STOOM CHOCOLADE & CACAOFABRIEK "KWATTA", Breda, Netherlands. Filed Oct. 30, 1923.



The trade-mark is shown in Delft blue, this color being an essential feature of the mark.
Particular description of goods.—Cocoa.
Claims use since Mar. 9, 1914.

Ser. No. 187,962. (CLASS 37. PAPER AND STATIONERY.) SICHEL-BLEISTIFTFABRIK A. G. VORM. M. MEINETSBERGER & Co., Nuremberg, Germany. Filed Nov. 3, 1923.



Particular description of goods.—Typewriter Paper, Copying Paper, Scribbling Paper, All Sorts of Mailing Envelopes, Draftsmen's Papers, Writing Pads, Marking Pads, Notebooks, Blank Books, Wax Paper, Marking Labels Unprinted, Paper Tags, Erasers, Rubbers, Paper Clamps, Paper Fasteners, Penholders, Lead Pencils, Copying Pencils, Ink Pencils, Color Pencils, Pocket Pencils for the Insertion of Leads and Colored Leads, All Kinds of Crayons, Insertion Leads for Writing Pencils and for Drafting Pencils, Lead-Pencil Holders, Lead Holders, Slate Pencils, All Kinds of Leads and Writing-Pencil Cores, Fountain Pens, Chalk, Draftsmen's Chalk, Billiard Chalk, Rulers, Blotters, Blotting Paper, Pencil Sharpeners, Tissue Paper, Copying Books, Indelible Pencils, Rubber Stamps, and Pads.
Claims use since May, 1921.

Ser. No. 188,331. (CLASS 39. CLOTHING.) SMITH BEIR & GORMLY, Rochester, N. Y. Filed Nov. 14, 1923.

TUF-TEX

Particular description of goods.—Play Suits, Hosiery; Underwear Made of Knitted and Textile Fabric and Used for Men, Women, and Children; Boys' Blouses and Overalls; and Dress, Negligee, and Work Shirts.
Claims use since Jan. 15, 1920.

Ser. No. 188,757. (CLASS 15. OILS AND GREASES.) ANDERSON W. KELLEY, executor for Joseph K. Nye estate, doing business as William F. Nye, New Bedford, Mass. Filed Nov. 23, 1923.



Particular description of goods.—Lubricating Oil.
Claims use since 1890.

Ser. No. 189,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUST CHARLES HERTING, doing business as X L Pharmacal Co., Merchantville, N. J. Filed Dec. 6, 1923.

X.L.

Particular description of goods.—Medicines for the Treatment of Asthma, Acne, Coughs, Colds, Grippe, Catarrh, Cholera, Diarrhea, Chapped Skin, Indigestion, Dandruff, Female Diseases, Eczema, Eye Troubles, Earache; Kidney, Bladder, Liver, and Bowel Troubles; Headache, Mange, Corns, Piles, Poison-Ivy and Poison-Oak Poisoning, Rheumatism, Sore Throat, Hoarseness, Toothache, Foot Powders; Creams, Balms, Lotions, and Powder for the Skin and Complexion; Mouth Washes, Dentifrices, Depilatories, Blood Medicines; General Tonics, Laxatives, and Purgatives; Disinfectants, Shampoos, Hair Tonics and Dressings, Nerve Medicines, Insecti-

cides and Insect Repellents, Vermin-Exterminating Compounds, Teething Lotions, Healing and Drawing Salves and Rubbing Ointments for Pulmonary Troubles, Liquid Court Plaster, Antipain Tablets, Apiol-Ergot Capsules, Castor-Oil Preparations, Cream Camphor Liniment, Green Liniment, Penetrating Liniment, Haarlem Oil, Haarlem-Oil Capsules, Soothing Sirup, and Mustard Plasters.

Claims use since about August, 1913.

Ser. No. 189,348. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUREOLA LABORATORIES, INC., New York, N. Y. Filed Dec. 7, 1923.

Pelo-Lisina

PELO-LISINA

Particular description of goods.—Pomade for Straightening the Hair.

Claims use since July 1, 1913.

Ser. No. 189,913. (CLASS 17. TOBACCO PRODUCTS.) PEOPLES DRUG STORES, INC., Washington, D. C. Filed Dec. 19, 1923.

PEOPLES

Particular description of goods.—Cigars, Cigarettes, and Smoking and Chewing Tobacco.

Claims use since 1905.

Ser. No. 190,877. (CLASS 39. CLOTHING.) L. B. EVANS' SON COMPANY, Wakefield, Mass. Filed Jan. 16, 1924.

-HOLLYWOOD-

Trade-mark "Hollywood."

Particular description of goods.—Footwear Made Wholly or in Part of Leather.

Claims use since Nov. 1, 1922.

Ser. No. 191,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT BUTTER & EGG CO., Detroit, Mich. Filed Jan. 28, 1924.



No claim is made to the word "Pure" or to the phrase "Packed Exclusively by Detroit Butter and Egg Co. Inc., Detroit, Mich., U. S. A." apart from the mark as shown in the accompanying drawing or to the word "Candegs" except as distinctively displayed.

Particular description of goods.—Broken Eggs in Cases.

Claims use since Dec. 1, 1923.

Ser. No. 191,531. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, Pa. Filed Jan. 31, 1924.

BAND-O-SILVER HOSE

The word "Hose" forms no part of the mark.

Particular description of goods.—Hosiery.

Claims use since Jan. 7, 1924.

Ser. No. 191,555. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

AVALON

Particular description of goods.—Toilet Tissue Paper.

Claims use since May 18, 1923.

Ser. No. 191,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS PHILIPPE, New York, N. Y. Filed Jan. 31, 1924.

OLIVO-POWDER

No claim of exclusive right to the use of the word "Powder" being made.

Particular description of goods.—Face Powder.

Claims use since December, 1923.

Ser. No. 191,715. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARK & TILFORD, New York, N. Y. Filed Feb. 2, 1924.

Savon
COLD-CREAM
N° 1531
Georges Salomon
PARIS (FRANCE)

No claim of exclusive right to the use of any of the words appearing on the drawing excepting the words "Georges Salomon" being made apart from the mark as shown in the accompanying drawing.

Particular description of goods.—Soap.

Claims use since May 21, 1921.

Ser. No. 191,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASSIMILIANO VICENZI, New York, N. Y. Filed Feb. 5, 1924.

NEUROPILLS

The exclusive right to the word "Neuro" and the word "Pills" apart from the particular arrangement shown is hereby disclaimed, but no common-law rights are waived.

Particular description of goods.—Preparation for the Treatment of Nervous Diseases.

Claims use since Sept. 1, 1923.

Ser. No. 191,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEACOCK PRODUCTS, NOT INC., Moline, Ill. Filed Feb. 6, 1924.



Particular description of goods.—Certain Toilet Preparations—viz, Facial Clay, Cold Cream, and Vanishing Cream.

Claims use since about Oct. 18, 1923.

Ser. No. 191,987. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOLF ERNST STAHLBAUM, San Francisco, Calif. Filed Feb. 7, 1924.

STEEL TREE

Particular description of goods.—Canned Fruit—Namely, Canned Peaches, Canned Plums, Canned Apricots, Canned Pineapple; Dried Fruit—Namely, Dried Apples, Peaches, Prunes, Raisins, Apricots, Figs, and Dates.

Claims use since Oct. 1, 1923.

Ser. No. 192,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENNANT BAKING COMPANY, Cincinnati, Ohio. Filed Feb. 11, 1924.

PENNANTS

Particular description of goods.—Cake.

Claims use since Feb. 1, 1921.

Ser. No. 192,190. (CLASS 39. CLOTHING.) MERCHANTS TEXTILE SYNDICATE, Bay City, Mich. Filed Feb. 12, 1924.



No claim is made to the word "Special" apart from the mark shown on the drawing; but applicant waives none of its common-law rights in said mark or any part thereof.

Particular description of goods.—Hosiery and Underwear Made of Knitted and Textile Fabric for Men, Women, and Children.

Claims use since Aug. 16, 1923.

Ser. No. 192,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SECURITY MILLS, Knoxville, Tenn. Filed Feb. 13, 1924.

SECURITY

Particular description of goods.—Horse Feed, Dairy Feed, and Scratch Feed.
Claims use since January, 1917.

Ser. No. 192,526. (CLASS 10. FERTILIZERS.) FOUR SEASONS FERTILIZER CO. INC., New York, N. Y. Filed Feb. 19, 1924.

4 SEASONS FERTILIZER

No claim is made to the exclusive use of the word Fertilizer."
Particular description of goods.—Fertilizer.
Claims use since Feb. 7, 1924.

Ser. No. 193,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT E. BUENGER, doing business as E. M. Pharmacal Co., Denver, Colo. Filed Mar. 3, 1924.

BUENGER'S RELIABLE PRODUCTS

The words "Reliable Products" are disclaimed apart from the mark shown.
Particular description of goods.—Medicinal Preparation and Tonic for the Treatment of Diseases of the Stomach.
Claims use since Oct. 5, 1923.

Ser. No. 193,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. W. WILLIAMSON, Newmarket, Va. Filed Mar. 3, 1924.

SHEN-AN-DOAH FARMS NEW MARKET VA

No claim is made to the words "New Market, Va." apart from the mark shown.
Particular description of goods.—Farm Products Including Livestock and Poultry, and Particularly Shorthorn Cattle, Berkshire Hogs, Shropshire Sheep, Live and Dressed Barred Rock and Black Langhorn Chickens, Live and Dressed Turkeys, and Pork Sausage.
Claims use since 1908.

Ser. No. 193,431. (CLASS 33. GLASSWARE.) WM. URBACH, doing business as Clover Leaf Cut Glass Co., Chicago, Ill. Filed Mar. 7, 1924.

CLOVER LEAF CUT GLASS 33

Particular description of goods.—Cut and Engraved Glassware.
Claims use since Jan. 1, 1922.

Ser. No. 193,475. (CLASS 39. CLOTHING. SCORE'S BALACLAVA LIMITED, Toronto, Canada. Filed Mar. 8, 1924.

'Balaclava'

Particular description of goods.—Men's Overcoats.
Claims use since October, 1914.

Ser. No. 193,598. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RUSSELL RICHARD JOURDAN, doing business as Electra-Pura Water Company, Dallas, Tex. Filed Mar. 11, 1924.

ELECTRA-PURA

Particular description of goods.—Drinking Waters Purified by Electrolysis, Filtration, and Oxidation by Oxygen and Ozone.
Claims use since Mar. 30, 1923.

Ser. No. 193,639. (CLASS 39. CLOTHING.) EDWARD C. TILL, Owego, N. Y. Filed Mar. 11, 1924.



Mother McChree

The portrait used in drawing is merely fanciful.
Particular description of goods.—Shoes Made of Combinations of Leather, Rubber, and Fabric.
Claims use since Mar. 1, 1923.

Ser. No. 193,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE A. DEATEL, doing business as The Holland Maide Company, Baltimore, Md. Filed Mar. 18, 1924.

Holland Maide

Particular description of goods.—Candy.
Claims use since Apr. 4, 1923.

Ser. No. 194,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD S. TEBBUTT, doing business as Tebbutt & Co., Brooklyn, N. Y. Filed Mar. 18, 1924.



Tebbutt & Co.

Particular description of goods.—Mincemeat, Lemon Butter, Pork Pies, Stilton Cheese, Currant Pudding, Fig Pudding, Fruit Pudding, and Plum Pudding.
Claims use since June 15, 1922.

Ser. No. 194,032. (CLASS 39. CLOTHING.) THOMSON & KELLY CO., INC., Boston, Mass. Filed Mar. 18, 1924.

TEE-KAY

Particular description of goods.—Leather Jackets.
Claims use since Jan. 1, 1924.

Ser. No. 194,216. (CLASS 39. CLOTHING.) PORTAGE UNDERWEAR MANUFACTURING COMPANY, Portage, Wis. Filed Mar. 21, 1924.

Vivette

Particular description of goods.—Women's Knitted Underwear.
Claims use since Apr. 2, 1923.

Ser. No. 194,266. (CLASS 39. CLOTHING.) FRANKLIN KNITTING MILLS, INC., New York, N. Y. Filed Mar. 22, 1924.

RIB KNIT

The words "Rib" and "Knit" are disclaimed apart from the combination shown in the drawing.
Particular description of goods.—Knitted Neckties and Mufflers.
Claims use since about Jan. 1, 1924.

Ser. No. 194,344. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ANTHONY R. FIORITA, doing business as Old Yellow Label Dist. Co., Moberly, Mo. Filed Mar. 24, 1924.

Old Yellow Label Whiskey

No claim is made to the word "Whiskey" apart from the mark shown by the drawing or to a yellow-colored label.
Particular description of goods.—Whisky.
Claims use since Jan. 1, 1924.

Ser. No. 194,543. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE KEYSTONE MANUFACTURING CO., Buffalo, N. Y. Filed Mar. 27, 1924.

SOCKIT

Particular description of goods.—Kits of Socket Wrenches.
Claims use since about Feb. 16, 1924.

Ser. No. 194,739. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SILBERMAN BROS., INC., Jersey City, N. J. Filed Mar. 31, 1924.

Silver Brand

The word "Brand" has been disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Cheese.
Claims use since September, 1922.

Ser. No. 194,816. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FOR NOVELTY CO., New York, N. Y. Filed Apr. 1, 1924.

Prohibition Pill

Particular description of goods.—Box Games Played with a Rolling Object.
Claims use since Mar. 28, 1924.

Ser. No. 194,874. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EUGENE LEVAY, doing business as Le Vay Studio, New York, N. Y. Filed Apr. 2, 1924.

MA CHI

The words "Ma Chi" are entirely fanciful and coined expressions and have no meaning in Chinese.
Particular description of goods.—Games and Toys Particularly a Fortune-Telling Game Played with Blades, Dice Cubes, and a Fortune-Telling Chart.
Claims use since Mar. 20, 1924.

Ser. No. 194,940. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NORTHERN INDIANA BRASS COMPANY, Elkhart, Ind. Filed Apr. 3, 1924.

NIB-CO

Particular description of goods.—Ball Cocks and Trip Levers for Ball Cocks.
Claims use since Oct. 15, 1922.

Ser. No. 195,111. (CLASS 39. CLOTHING.) B. KUPPENHEIMER & CO., INC., Chicago, Ill. Filed Apr. 7, 1924.

Crushed Blue

Particular description of goods.—Men's and Boys' Ready-Made or Ready-to-Wear Clothing.
Claims use since Mar. 29, 1924.

Ser. No. 195,229. (CLASS 11. INKS AND INKING MATERIALS.) INTERNATIONAL INTAGLIO CORPORATION, New York, N. Y. Filed Apr. 9, 1924.

IIC Multigravure

The drawing is lined merely for the purpose of shading and not to indicate color.
Particular description of goods.—Printing Inks.
Claims use since June 16, 1923.

Ser. No. 195,306. (CLASS 39. CLOTHING.) SIGNAL SHIRT COMPANY, Racine, Wis. Filed Apr. 10, 1924.

Signal

No claim is made for the words "Superlative Quality" apart from the mark shown by the drawing.
Particular description of goods.—Work Shirts, Dress Shirts, Flannel Shirts, Work Coats, and Overalls.
Claims use since Jan. 1, 1924.

Ser. No. 195,321. (CLASS 39. CLOTHING.) WYANT WAY OF NEW YORK, INCORPORATED, Dover, Del., and Minneapolis, Minn. Filed Apr. 10, 1924.

Wyant Way

Particular description of goods.—Women's Lingerie, Knitted Underwear, and Scarfs and Skirts.
Claims use since Mar. 17, 1924.

Ser. No. 195,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HONOLULU FRUIT COMPANY, LTD., Honolulu, Hawaii. Filed Apr. 11, 1924.

CEREUS

Particular description of goods.—Canned Pineapple.
Claims use since July 1, 1921.

Ser. No. 195,399. (CLASS 39. CLOTHING.) IVORY GARTER COMPANY, New Orleans, La. Filed Apr. 11, 1924.

Ivory

Particular description of goods.—Suspenders and Garters.
Claims use since Mar. 11, 1924.

Ser. No. 195,474. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ALBERT ACKERMANN, Chicago, Ill. Filed Apr. 14, 1924.

Albert Ackermann

The trade-mark is a facsimile of the signature of applicant.
Particular description of goods.—Headache and Neuralgia Wafers.
Claims use since March, 1899.

Ser. No. 195,503. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HELEN KOCH DE SHERBININ, Buffalo, N. Y. Filed Apr. 14, 1924.

Paragon DISH WASHER

No claim is made to the exclusive use of the words "Utility," "Facility," and "Durability" and "Dish Washer."
Particular description of goods.—Dishwashing Machines.
Claims use since April, 1923.

Ser. No. 195,541. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY H. SCHNEIDER, New York, N. Y. Filed Apr. 14, 1924.

SCHNEIDER'S STAR LIGHT

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since January, 1924.

Ser. No. 195,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN LOAN & COMPANY, New York, N. Y. Filed Apr. 14, 1924.

Arrow Mills

Particular description of goods.—Spices.
Claims use since January, 1897.

Ser. No. 195,578. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN C. GROSS, Pearl River, N. Y. Filed Apr. 15, 1924.

MATCHLESS

Trade-mark consists of the word "Matchless."
Particular description of goods.—Advertising Folders.
Claims use since Aug. 23, 1923.

Ser. No. 195,662. (CLASS 39. CLOTHING.) STYLEPARK HATS, INC., Philadelphia, Pa. Filed Apr. 16, 1924.

Stylepark HATS "Crowns for Americas Elite" Philadelphia

Applicant hereby disclaims any exclusive right to the words "Hats" and "Philadelphia."
Particular description of goods.—Men's Felt Hats.
Claims use since March, 1924.

Ser. No. 195,674. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Apr. 17, 1924.

CHIC CHEKS

No claim is made herein for registration of the word "Cheks" by itself, it being understood, however, that no claim for any rights which applicant may have in such word is waived hereby.

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Nightrobes, Underwear, and Shirts, Including Dress, Negligee, and Work Shirts.

Claims use since Mar. 1, 1924.

Ser. No. 195,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Filed Apr. 22, 1924.

CHOCOLATE LOGS

Particular description of goods.—Eating Chocolate.

Claims use since Sept. 15, 1923.

Ser. No. 195,997. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK STREET FLAX SPINNING CO. INC., New York, N. Y. Filed Apr. 22, 1924.

"NOSEGAY"

Trade-mark consists of the word "Nosegay."

Particular description of goods.—Handkerchiefs.

Claims use since Apr. 1, 1924.

Ser. No. 196,007. (CLASS 39. CLOTHING.) NELLIE G. COALTER, Fort Wayne, Ind. Filed Apr. 23, 1924.



No claim is made to the use of the words "Clean Cut Cloth Cap" except in connection with the balance of the mark.

Particular description of goods.—Cloth Caps for Men.

Claims use since Apr. 7, 1924.

Ser. No. 196,034. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN T. STANLEY CO. INC., New York, N. Y. Filed Apr. 23, 1924.

RAINBOW

Particular description of goods.—Bluing.

Claims use since April, 1923.

Ser. No. 196,067. (CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed Apr. 24, 1924.

CUP-FORM

Particular description of goods.—Brassières.

Claims use since Apr. 9, 1924.

Ser. No. 196,101. (CLASS 38. PRINTS AND PUBLICATIONS.) FREDERICK J. BROWN, Brooklyn, N. Y. Filed Apr. 25, 1924.

The Flatbush News

Particular description of goods.—Weekly Periodical Devoted to General News.

Claims use since Apr. 12, 1924.

Ser. No. 196,167. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LYNCH-MEAD MANUFACTURING CO., Turlock, Calif. Filed Apr. 26, 1924.

MASTERENCH

Particular description of goods.—Wrenches.

Claims use since Mar. 1, 1924.

Ser. No. 196,183. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NATIONAL ACME COMPANY, Cleveland, Ohio. Filed Apr. 26, 1924.



Particular description of goods.—Metal-Working Machines and Tools—Namely, Screw Machines, Lathes, Nut and Bolt Machines, Thread-Cutting Tools, Drills and Drilling Tools, Box Tools, Shaving Tools, Knurling Tools, Cutting Tools, Forming Tools, Cutting-Off Tools, and Shaping Tools.

Claims use since October, 1923.

Ser. No. 196,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Filed Apr. 26, 1924.

ARBOR

Particular description of goods.—Fresh Citrous Fruit, Fresh Deciduous Fruit, Nuts Candied, Salted, and in Their Natural State.

Claims use since Jan. 26, 1924.

Ser. No. 196,188. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Filed Apr. 26, 1924.

ARMISTICE

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, and Nuts in Their Natural State.

Claims use since Jan. 26, 1924.

Ser. No. 196,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Filed Apr. 26, 1924.

THANKSGIVING

Particular description of goods.—Fresh Citrous Fruits and Fresh Deciduous Fruits and Nuts Candied, Salted, and in Their Natural State and Fresh Cantaloupes.

Claims use since Jan. 26, 1924.

Ser. No. 196,194. (CLASS 39. CLOTHING.) LESTER REIS & CO., New York, N. Y. Filed Apr. 26, 1924.

LESTER REIS & CO.
LESNEY

Particular description of goods.—Knitted Underwear and Textile-Fabric Underwear for Men, Women, and Children and Hosiery, Sweaters, and Sweater Vests.

Claims use since Feb. 1, 1924.

Ser. No. 196,196. (CLASS 39. CLOTHING.) ROYAL-ASCOT KNITTING MILLS COMPANY, Philadelphia, Pa. Filed Apr. 26, 1924.

"LAYOR"

Particular description of goods.—Knitted Sport Suits and Knitted Dresses for Women; Sweaters for Men, Women, and Boys; Capes, Scarfs, Neckties, Cravats, and Golf Hose.

Claims use since Nov. 12, 1923.

Ser. No. 196,213. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NICHOLAS THEODORE, doing business as Nicholas Peppo Co., Cleveland, Ohio. Filed Apr. 26, 1924.



Trade-mark includes the fanciful panel having an atlas thereon. The horizontal lines in panel indicate a blue background. The lines on the border indicate an orange color. The applicant disclaims the use of the words "Above All" and "Strength" apart from the mark shown.

Particular description of goods.—Nonalcoholic, Nonceareal, Maltless Beverages Sold as Soft Drinks.

Claims use since Mar. 31, 1924.

Ser. No. 196,217. (CLASS 39. CLOTHING.) THE UNION COMPANY, Columbus, Ohio. Filed Apr. 26, 1924.

The STADIUM



MADE EXPRESSLY FOR
THE UNION
COLUMBUS

No claim is made for the words "Made Expressly for the Union" and "Columbus" appearing in the drawing. No common-law right in the mark or any feature thereof is waived by this disclaimer.

Particular description of goods.—Hats and Caps for Men and Boys, Including Both Straw and Felt Hats.

Claims use since January, 1920.

Ser. No. 196,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGGINS MANUFACTURING COMPANY, Providence, R. I. Filed Apr. 29, 1924.

NUT-Z-ALL

Particular description of goods.—Solid Cooking or Shortening Compound Composed of Vegetable or Nut Oil.

Claims use since January, 1924.

Ser. No. 196,320. (CLASS 39. CLOTHING.) THE L. D. STICKLES SHOE CO., Red Wing, Minn. Filed Apr. 29, 1924.



Particular description of goods.—Boots and Shoes of Leather, Fabric, and Leather and Fabric.

Claims use since October, 1917.

Ser. No. 196,387. (CLASS 39. CLOTHING.) HIGHLAND SHAKER SWEATER CO., Camden, N. J. Filed May 1, 1924.

HIGHLAND
SHAKER-KNIT

For the purpose of this registration and without waiving any common-law rights thereto no claim is made to the term "Shaker-Knit" apart from the mark shown in the drawing.

Particular description of goods.—Knitted Sweaters, Caps, and Scarfs; Women's Knitted Suits and Dresses, Men's Knitted Suits, Knitted Breeches, Wristlets, and Golf Gloves.

Claims use since July 27, 1922.

Ser. No. 196,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASH GROVE LIME AND PORTLAND CEMENT COMPANY, Kansas City, Mo., and Portland, Me. Filed May 2, 1924.

KEMILIME

Particular description of goods.—High Calcium Hydrated Lime for General Industrial and Chemical Uses.

Claims use since Mar. 1, 1924.

Ser. No. 196,516. (CLASS 39. CLOTHING.) WALTER DREIGINAS, Baltimore, Md. Filed May 3, 1924.



Particular description of goods.—Inside Patches for Covering Garment Pockets and Coats and Overcoats Having Pockets Covered by Inside Patches.

Claims use since Mar. 19, 1924.

Ser. No. 196,518. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FLOOR WAXER & POLISHER CORPORATION, New York, N. Y. Filed May 3, 1924.



Lining of trade-mark drawing expresses the color red.

Particular description of goods.—Mechanical Floor Waxers and Polishers and Parts Thereof, Including Repair Parts.

Claims use since Mar. 29, 1924.

Ser. No. 196,528. (CLASS 39. CLOTHING.) D. T. LANGROCK, INC., New Haven, Conn. Filed May 3, 1924.



Particular description of goods.—Men's Sack Coats, Cutaway Coats, Full-Dress Suits, Tuxedo Suits, Prince Albert Suits, and Golf Suits; Men's and Boys' Ulsters, Topcoats, Overcoats, Trousers, Knickerbockers, Vests, Suits, Neckties, Cravats, Scarfs, Collars, Hard and Soft Felt Hats, Straw Hats, Caps, Dress Shirts, Sport Shirts, Negligee Shirts, Work Shirts, Sweaters, Hosiery, and Knitted and Textile Fabric Underwear, and Women's Suits, Coats, Dresses, Hosiery, Sweaters, Scarfs, Collars, and Neckties.

Claims use since 1896.

Ser. No. 196,553. (CLASS 31. FILTERS AND REFRIGERATORS.) SUCHAR PROCESS CORPORATION, Dover, Del. Filed May 3, 1924.

AUTO

Particular description of goods.—Filters.

Claims use since about May 27, 1922.

Ser. No. 196,555. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLARENCE A. TILESTON, doing business as Scientific Equipment Company, Ridgewood, N. J. Filed May 3, 1924.

AUDIOTRAN

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Apr. 17, 1924.

Ser. No. 196,575. (CLASS 37. PAPER AND STATIONERY.) BROWN & BIGELOW, St. Paul, Minn. Filed May 5, 1924.



Particular description of goods.—Blotters and Booklets.

Claims use since about May, 1921.

Ser. No. 196,618. (CLASS 39. CLOTHING.) PEERLESS SWEATER MILLS, INC., New York, N. Y. Filed May 5, 1924.

"KID BOOTS"

Particular description of goods.—Knitted Dresses, Sweaters, and Suits.

Claims use since Feb. 1, 1924.

Ser. No. 196,663. (CLASS 37. PAPER AND STATIONERY.) MILTON C. JOHNSON CO., New York, N. Y. Filed May 6, 1924.

LOXCHEX

Particular description of goods.—Flat Writing Bindings.

Claims use since Mar. 25, 1924.

Ser. No. 196,684. (CLASS 39. CLOTHING.) JOSEPH P. VOORHEES, New York, N. Y. Filed May 6, 1924.

A-MAY-ZING

Particular description of goods.—Hosiery.

Claims use since Apr. 29, 1924.

Ser. No. 196,687. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEAVER MACHINE & TOOL CO., INC., Newark, N. J. Filed May 7, 1924.

SUITZ-ALL

Particular description of goods.—Electrical Plugs, Attachment Plugs, and Switch Plugs.
Claims use since Jan. 1, 1924.

Ser. No. 196,694. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed May 7, 1924.



No claim is made to the exclusive use of the wording "Trade Mark" and the words "The Fabric of Style & Comfort" appearing on the drawing separate and apart from the other features of the mark.
Particular description of goods.—Men's and Children's Overcoats.
Claims use since Apr. 7, 1924.

Ser. No. 196,710. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LINK & HEMRICK, INC., New York, N. Y. Filed May 7, 1924.

MONARCH

Particular description of goods.—Storage Batteries.
Claims use since Apr. 29, 1924.

Ser. No. 196,737. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN NUGGET SWEETS, San Francisco, Calif. Filed May 8, 1924.

Log Ends

Particular description of goods.—Candy and Confectionery Consisting of Fudge, Nugget, and Caramel.
Claims use since December, 1923.

Ser. No. 196,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL RHINE, doing business as Oelwein Chemical Company, Oelwein, Iowa. Filed May 8, 1924.



Particular description of goods.—Medicinal Mineralized Feed.
Claims use since on or about Nov. 1, 1923.

Ser. No. 196,775. (CLASS 12. CONSTRUCTION MATERIALS.) ARMEN H. TASHJIAN, Cleveland, Ohio. Filed May 8, 1924.

Condu Base

No claim is made to the word "Base" apart from the mark as shown in the drawing, applicant reserving, however, all common-law rights to the mark shown.
Particular description of goods.—Building Elements in the Nature of Baseboards, Chair Rails, Cornices, Etc., Adapted for Carrying Electric Wires.
Claims use since about May 16, 1923.

Ser. No. 196,781. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GUSTAVE WEISSMANN, Paris, France. Filed May 8, 1924.

VOLTAFLORE

Particular description of goods.—Electric Lamps Useful as Perfume Burners.
Claims use since Mar. 1, 1924.

Ser. No. 196,784. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARACOMA DRAPERY FABRICS, INCORPORATED, New York, N. Y. Filed May 9, 1924.

HAZELGLOW

Particular description of goods.—Draperies in the Piece Made of Silk, Silk and Cotton, Cotton, Artificial Wool and Silk, Wool and Artificial Silk, and All Cotton in Combinations of Mixtures and Plain.
Claims use since Mar. 31, 1924.

Ser. No. 196,785. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARACOMA DRAPERY FABRICS, INCORPORATED, New York, N. Y. Filed May 9, 1924.

ARACOMA

Particular description of goods.—Draperies in the Piece Made of Silk, Silk and Cotton, Cotton, Artificial Wool and Silk, Wool and Artificial Silk, and All Cotton in Combinations of Mixtures and Plain.
Claims use since Mar. 31, 1924.

Ser. No. 196,814. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAX KOSSMANN, doing business as Radio Sales Co., New York, N. Y. Filed May 9, 1924.

RIT-ONE

Particular description of goods.—Radio Accessories—viz, Radio Sockets, Dials, Crystal Detectors, Panels, Binding Posts, Switch Levers, Contact Points, Socket Brackets, Knobs, and Vernier Controls.
Claims use since about Jan. 1, 1924.

Ser. No. 196,820. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREDERICK J. NAYLOR, Brooklyn, N. Y. Filed May 9, 1924.

LORNAY

Particular description of goods.—Radio Receiving Sets.
Claims use since Apr. 10, 1924.

Ser. No. 196,826. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY B. SCHILLER, Philadelphia, Pa. Filed May 9, 1924.

Magna-Lion

Particular description of goods.—Crystal Detectors and Parts Thereof for Radio Receiving Apparatus.
Claims use since on or about May 6, 1924.

Ser. No. 196,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED W. SIMPSON, Chicago, Ill. Filed May 9, 1924.

Honey Dew

Particular description of goods.—Cereal Stock and Poultry Feed and Mineralized Stock and Poultry Feed.
Claims use since Mar. 15, 1924.

Ser. No. 196,879. (CLASS 39. CLOTHING.) THE PALAIS ROYAL INC., Washington, D. C. Filed May 10, 1924.

Slendigrace

Particular description of goods.—Women's Coats, Suits, Dresses, Corsets, Hosiery, Blouses, Skirts, Knit Underwear, and Muslin Underwear.
Claims use since Apr. 25, 1924.

Ser. No. 196,926. (CLASS 6. (CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed May 12, 1924.

RADIOL

Particular description of goods.—Photographic Developer.
Claims use since Apr. 1, 1923.

Ser. No. 196,936. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE SOLENBERGER PISTON RING COMPANY, Cleveland, Ohio. Filed May 12, 1924.

SIMPLEX

Particular description of goods.—Piston Rings.
Claims use since Jan. 17, 1924.

Ser. No. 196,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 13, 1924.

D

Particular description of goods.—Golf Balls.
Claims use since Feb. 29, 1924.

Ser. No. 196,964. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE NATIONAL TIRE & RUBBER COMPANY, East Palestine, Ohio. Filed May 13, 1924.

CRITERION

Particular description of goods.—Pneumatic Tires and Inner Tubes for Pneumatic Tires.
Claims use since Feb. 26, 1924.

Ser. No. 196,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOREN C. SORENSEN, doing business as Nu Gloss Shampoo Co., Oakland, Calif. Filed May 13, 1924.



The portrait shown in the drawing is fanciful.
Particular description of goods. Shampoo.
Claims use since Mar. 10, 1924.

Ser. No. 197,066. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE D. A. EBINGER SANITARY MFG. CO., Columbus, Ohio. Filed May 15, 1924.

EBCO

The lining of trade-mark expresses the color red.
Particular description of goods.—Urinals, Closets, Ventilated Closets, Drinking Fountains, Lavatories, Wash Sinks, Showers, Shower Compartments, Steel Closets, Kitchen Sinks, Water Coolers, Closet Seats, Closet Bowls, Laundry Trays, and Closet Flush Valves.
Claims use since 1916.

Ser. No. 197,124. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WITHERUP CORK PACKING CO., Beaumont, Tex. Filed May 15, 1924.

WITHERUP

Particular description of goods.—Cork Pump and Engine Packing.
Claims use since about Feb. 15, 1924.

Ser. No. 197,129. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y. Filed May 16, 1924.

ADAMITE

Particular description of goods.—Abrasive Papers and Cloths.
Claims use since 1904.

Ser. No. 197,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL G. BURTON, Wheeling, W. Va. Filed May 16, 1924.

OVERBROOK

Particular description of goods.—Butter and Eggs.
Claims use since Jan. 1, 1915.

Ser. No. 197,159. (CLASS 39. CLOTHING.) DAVE LEVINE, doing business as Dave Levine & Co., New York, N. Y. Filed May 16, 1924.



Without waiving any common-law rights and for the purpose of this registration only applicant hereby disclaims the exclusive use of the words "Clothes for Young Men" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Young Men's Topcoats, Overcoats, Coats, Vests, and Trousers.
Claims use since Mar. 15, 1924.

Ser. No. 197,213. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEWARK NOVELOID CO., Newark, N. J. Filed May 17, 1924.



No claim is made to the words "Line," "Newark," and "New Jersey" apart from the mark shown on the drawing.
Particular description of goods.—Optical Celluloid Temples and Celluloid Fronts, Optical Metal Hinges, Metal Screws, and Metal Rivets.
Claims use since 1917.

Ser. No. 197,233. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed May 17, 1924.

UNCLE WIGGILY

Particular description of goods.—Umbrellas and Parasols.
Claims use since Nov. 15, 1923.

Ser. No. 197,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN & HENDRICKSON PACKING CO., INC., Portland, Oreg. Filed May 19, 1924.

PRIDE of OREGON

Particular description of goods.—Canned Vegetables—Namely, Beans, Canned Blackberries; and Canned Fish—Namely, Salmon.
Claims use since May 1, 1920.

Ser. No. 197,239. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed May 19, 1924.

"LESS"

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Belts for Personal Wear, Diaphragm Confiners, Hose Supporters, Combinations of Corsets and Brassières, Ladies' and Children's Textile-Fabric Underwear, Camisoles, Ladies' Vests, Chemises, Bloomers, Step-Ins, Petticoats, Ladies' Dresses, Shirt Waists, Blouses; Sleeping Garments—Namely, Nightgowns and Pyjamas.
Claims use since Apr. 1, 1924.

Ser. No. 197,284. (CLASS 39. CLOTHING.) LA MODE GARMENT CO., Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Woven Fabric Undergarments for Children.
Claims use since Apr. 15, 1924.

Ser. No. 197,286. (CLASS 39. CLOTHING.) MARIE LOUIS, doing business as La Parisienne, Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Ladies' and Children's Wearing Apparel, Being That of Underwear—Namely, That of Bloomers, Step-Ins, Vests, Pyjamas, Gowns, Petticoats; and Ladies' Athletic and Novelty Undergarments of Textile Fabric.
Claims use since May 1, 1924.

Ser. No. 197,303. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAB-U-NEED COMPANY, Pulaski, Tenn. Filed May 19, 1924.



Particular description of goods.—Purgatives.
Claims use since August, 1923.

Ser. No. 197,323. (CLASS 39. CLOTHING.) CARLETON DRY GOODS CO., St. Louis, Mo. Filed May 20, 1924.

OPTIMO

Trade-mark consists of the word "Optimo."
Particular description of goods.—Dress Shirts, Gowns, and Pyjamas.
Claims use since April, 1924.

Ser. No. 197,341. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PETERSON-KINTNER COMPANY, Pittsburgh, Pa. Filed May 20, 1924.

PASTE GLOVE

Particular description of goods.—Compound for Covering the Hands to Protect Them from Contact with Dirt, Oily and Greasy Materials.
Claims use since Nov. 30, 1923.

Ser. No. 197,345. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) VETERANS OF FOREIGN WARS OF THE UNITED STATES, Kansas City, Kans. Filed May 20, 1924.

BUDDY

Particular description of goods.—Artificial Flowers.
Claims use since about Feb. 1, 1924.

Ser. No. 197,353. (CLASS 39. CLOTHING.) I. H. BARNETT & BROTHER, New York, N. Y. Filed May 21, 1924.



Particular description of goods.—Men's Flannel Negligee Shirts.
Claims use since Sept. 8, 1914.

Ser. No. 197,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIG FOUR CANNING CO., Stanley, Wis. Filed May 21, 1924.

POLAR

Particular description of goods.—Canned Peas and Sauerkraut.
Claims use since July 8, 1889.

Ser. No. 197,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOS. B. FUNKE COMPANY, also doing business as The Jos. B. Funke Co., and Funke's, La Crosse, Wis. Filed May 21, 1924.

HAPPY BOY

Particular description of goods.—Candy.
Claims use since Dec. 27, 1900.

Ser. No. 197,375. (CLASS 39. CLOTHING.) HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Filed May 21, 1924.



Particular description of goods.—Work Clothing for Men, Particularly Work Shirts.
Claims use since Feb. 6, 1923.

Ser. No. 197,392. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRETZ STICKS BAKING COMPANY, Myerstown, Pa. Filed May 21, 1924.



The representation of the goods apart from the mark shown is disclaimed.
Particular description of goods.—Bakery Products of a Pretzellike Nature.
Claims use since Apr. 25, 1922.

Ser. No. 197,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed May 21, 1924.

WEST

Particular description of goods.—Shampoos.
Claims use since Oct. 17, 1921.

Ser. No. 197,403. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed May 21, 1924.

WEST ELECTRIC

Particular description of goods.—Hair Nets.
Claims use since Oct. 17, 1921.

Ser. No. 197,405. (CLASS 32. FURNITURE AND UPHOLSTERY.) R. H. WHITE COMPANY, Boston, Mass. Filed May 21, 1924.

SUN-FLOSS

No claim is made of exclusive right in the word "Floss" apart from the mark shown in the drawing; but applicant waives none of its common-law rights in said mark or any element thereof. The lining in the drawing is merely for the purpose of shading.
Particular description of goods.—Mattresses, Pillows, Cushions, and Pads.
Claims use since April, 1922.

Ser. No. 197,414. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BURGER, INC., New York, N. Y. Filed May 22, 1924.

LU-LU

Particular description of goods.—Canned Fish, Specifically Canned Sardines.
Claims use since Jan. 12, 1923.

Ser. No. 197,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BURGER, INC., New York, N. Y. Filed May 22, 1924.

ALTO

Particular description of goods.—Canned Fish, Specifically Canned Sardines.
Claims use since Jan. 30, 1924.

Ser. No. 197,417. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CORDUROY TIRE COMPANY, Grand Rapids, Mich. Filed May 22, 1924.

Corduroy

Particular description of goods.—Pneumatic Rubber Tires Including Tire Casings and Inner Tubes Therefor.
Claims use since July 2, 1921.

Ser. No. 197,424. (CLASS 39. CLOTHING.) DRIESEN, MEYER & ORONSKY, New York, N. Y. Filed May 22, 1924.

Raingard

Particular description of goods.—Outer Suits and Overcoats for Males.
Claims use since Apr. 9, 1924.

Ser. No. 197,438. (CLASS 39. CLOTHING.) MENDEL LAZOW, New York, N. Y. Filed May 22, 1924.

LAZOFOX

Particular description of goods.—Furs.
Claims use since Apr. 5, 1924.

Ser. No. 197,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSKAR PISCHINGER, INC., New York, N. Y. Filed May 22, 1924.



The lining shown in the drawing indicates shading and not any particular color scheme.
Particular description of goods.—Cakes, Chocolates, Candies, and Pastry.
Claims use since January, 1924.

Ser. No. 197,543. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JESTA LABORATORIES, New York, N. Y. Filed May 24, 1924.

JESTA

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Sachet Powders, and Foot Powders.
Claims use since Oct. 4, 1923.

Ser. No. 197,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn. Filed May 24, 1924.



Particular description of goods.—Candy Bars.
Claims use since about Jan. 1, 1923.

Ser. No. 197,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn. Filed May 24, 1924.



Particular description of goods.—Candy Bars.
Claims use since May 1, 1924.

Ser. No. 197,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn. Filed May 24, 1924.

Marti's

Particular description of goods.—Candy and Confections.
Claims use since May 1, 1924.

Ser. No. 197,560. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KARL W. P. REECE, Boston, Mass. Filed May 24, 1924.

UNIVERSAL

Particular description of goods.—Rubber Jar Rings.
Claims use since May 8, 1924.

Ser. No. 197,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed May 24, 1924.

Lilactime

Particular description of goods.—Vegetal.
Claims use since January, 1924.

Ser. No. 197,573. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WASHEE PRODUCTS CORPORATION, Brooklyn, N. Y. Filed May 24, 1924.

MILLION DOLLAR
WASHEE

Particular description of goods.—Laundry and Toilet Soap.
Claims use since Mar. 10, 1924.

Ser. No. 197,599. (CLASS 39. CLOTHING.) HOLYOKE SILK HOSIERY COMPANY, Holyoke, Mass. Filed May 26, 1924.

GAUZETTE.

Particular description of goods.—Hosiery.
Claims use since Apr. 28, 1924.

Ser. No. 197,601. (CLASS 39. CLOTHING.) DAVID JACOBS CORPORATION, New York, N. Y. Filed May 26, 1924.

MAN-O-WAR

Particular description of goods.—Ladies', Men's, and Children's Hosiery.
Claims use since May 1, 1922.

Ser. No. 197,602. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KEROSOPE COMPANY, Los Angeles, Calif. Filed May 26, 1924.

KEROSOPE

Particular description of goods.—Soap.
Claims use since Apr. 2, 1920.

Ser. No. 197,603. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed May 26, 1924.

He-fes'-to-lith

Particular description of goods.—Fire Brick in a Plastic Form.
Claims use since May 15, 1924.

Ser. No. 197,617. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed May 26, 1924.

GELCAPS

Particular description of goods.—Bottle Caps.
Claims use since April, 1924.

Ser. No. 197,623. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) R. S. SEARLS, doing business as Shinmor Product Company, Sulphur Springs, Tex. Filed May 26, 1924.

SHINMOR

Particular description of goods.—Shoe Polish.
Claims use since Jan. 1, 1924.

Ser. No. 197,630. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THOMPSON GERMICIDAL STERILIZER CO. INC., Los Angeles, Calif. Filed May 26, 1924.

STERAL

Particular description of goods.—Toothbrush Sterilizers.
Claims use since January, 1920.

Ser. No. 197,635. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y. Filed May 26, 1924.

UKEMCO

Particular description of goods.—Shaving Cream in the Form of Soap Cream.
Claims use since April, 1921.

Ser. No. 197,650. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. W. BARBER, doing business as The Barber Products Company, Nashville, Tenn. Filed May 27, 1924.



The words "Fly Spray, Keeps Kows Kontented, Kwick Killing Kompound" not being claimed apart from the other features of the mark.
Particular description of goods.—Preparation for Killing and Repelling Flies and Designed Especially to be Sprayed Upon Cattle.
Claims use since May 17, 1924.

Ser. No. 197,651. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE BEE CELL CO., Buffalo, N. Y. Filed May 27, 1924.

BEE-CELL

Particular description of goods.—Pessary.
Claims use since about Jan. 1, 1900.

Ser. No. 197,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. B. LEONARDI & CO. INC., New Rochelle, N. Y. Filed May 27, 1924.

RENO'S

New Health



Particular description of goods.—Preparation for the Treatment of Diseases Peculiar to Women.
Claims use since Oct. 1, 1894.

Ser. No. 197,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NISER ICE CREAM COMPANY, Cincinnati, Ohio. Filed May 27, 1924.

NISER

Particular description of goods.—Ice Cream.
Claims use since about Mar. 15, 1924.

Ser. No. 197,687. (CLASS 12. CONSTRUCTION MATERIALS.) SEABOARD REFRACTORIES COMPANY, Valentines, N. J. Filed May 27, 1924.

PLASTI-FRAX

Particular description of goods.—Refractory Materials Adapted for Use in the Building, Lining, and Patching of Furnace Walls and Analogous Purposes.
Claims use since on or about Apr. 28, 1924.

Ser. No. 197,695. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN FIELD PUBLISHING CO., Chicago, Ill. Filed May 28, 1924.

THE
AMERICAN FIELD

Trade-mark "American Field."
Particular description of goods.—Weekly Magazine.
Claims use since July 2, 1881.

Ser. No. 197,702. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BUOB AND SCHEU, Cincinnati, Ohio. Filed May 28, 1924.

"WE TOP 'EM ALL"

Particular description of goods.—Automobile Tops and Curtains.
Claims use since Mar. 1, 1920.

Ser. No. 197,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REBECCA DAWIDOFF, New York, N. Y. Filed May 28, 1924.

MAAZ

Particular description of goods.—Remedy for Perspiring and Aching Feet.
Claims use since January, 1904.

Ser. No. 197,739. (CLASS 12. CONSTRUCTION MATERIALS.) BENJAMIN FOSTER COMPANY, Philadelphia, Pa. Filed May 28, 1924.

BITU-TOP

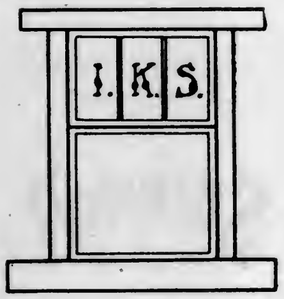
Particular description of goods.—Petroleum Products for Road Surfacing.
Claims use since May 7, 1924.

Ser. No. 197,759. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES B. JOHNES, Newark, N. J. Filed May 28, 1924.

Secretex

Particular description of goods.—Piece Goods Made Partly of Rubber.
Claims use since May 17, 1924.

Ser. No. 197,777. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IDA K. SCHALL, Columbus, Ohio. Filed May 28, 1924.



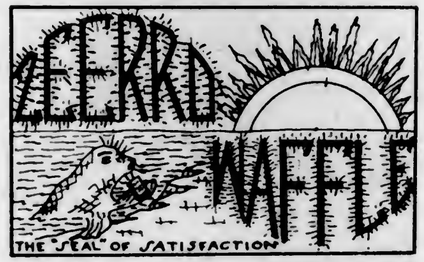
Particular description of goods.—Window Cleaner.
Claims use since Apr. 1, 1924.

Ser. No. 197,782. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed May 28, 1924.

RED TOP

Particular description of goods.—Stemless Rubber Bladders Used in Footballs, Striking Bags, Basket Balls, Volley or Soccer Balls.
Claims use since Feb. 2, 1924.

Ser. No. 197,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZEERO WAFFLE COMPANY, Washington, D. C. Filed May 28, 1924.



Particular description of goods.—Special Moisture-proof Preformed and Prebaked Two-Piece Easily-Frangible Edible Containers for Ice Cream or Other Frozen Ices or Other Congealed Edible Substances.
Claims use since Dec. 24, 1923.

Ser. No. 197,792. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AGUA IMPERIAL, SOCIEDAD ANONIMA, Barcelona, Spain. Filed May 29, 1924.

IMPERIAL

Particular description of goods.—Mineral Waters; Gases, Powders, and Salts for Mineral Waters; and Condensates of Said Salts.
Claims use since April, 1913.

Ser. No. 197,794. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK ANFINGER, Braddock, Pa. Filed May 29, 1924.

Anfinger's

MEDICINE

The surname is a facsimile of applicant's signature, and no claim is made to the word "Medicine" apart from the mark shown.
Particular description of goods.—Liquid Medicine for Coughs, Catarrh of the Stomach, Asthma, Catarrh of the Intestines, and Difficulty in Breathing.
Claims use since May 15, 1924.

Ser. No. 197,796. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. W. BAKER LINEN COMPANY, New York, N. Y. Filed May 29, 1924.

DRY-TEX

Particular description of goods.—Turkish Towels.
Claims use since about May 21, 1924.

Ser. No. 197,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BONNIE-B CO., INC., New York, N. Y. Filed May 29, 1924.

Lustra

Trade-mark consists of the word "Lustra."
Particular description of goods.—Hair Nets.
Claims use since July 11, 1922.

Ser. No. 197,801. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CHAMBERLAIN COMPANY, Pittsburgh, Pa. Filed May 29, 1924.

Tubola

Particular description of goods.—Cleaning Powder.
Claims use since Apr. 15, 1924.

Ser. No. 197,819. (CLASS 37. PAPER AND STATIONERY.) KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed May 29, 1924.

Albanene

Particular description of goods.—Transparent (Tracing) Cloth.
Claims use since 1911.

Ser. No. 197,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABERDEEN CREAMERY COMPANY, Aberdeen, Miss. Filed May 31, 1924.

BOSSIE'S BEST
4 B's



Particular description of goods.—Butter.
Claims use since about Mar. 25, 1924.

Ser. No. 197,864. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE CHAMPION RUBBER CO., Kent, Ohio. Filed May 31, 1924.

MUSKETEER

Particular description of goods.—Rubber Tires and Tubes.
Claims use since about June, 1922.

Ser. No. 197,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALVATORE ESPOSITO & BROS., New York, N. Y. Filed May 31, 1924.

"DELIZIA"

Particular description of goods.—Olive Oil.
Claims use since Apr. 15, 1924.

Ser. No. 197,884. (CLASS 39. CLOTHING.) KOPS BROS. INC., New York, N. Y. Filed May 31, 1924.

Nemolastik

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since May 1, 1924.

Ser. No. 197,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD R. LUKERT, doing business as Duxhome Poultry Farm, Moriches, N. Y. Filed May 31, 1924.



No claim is made to the representation of the ducks appearing in the drawing except as associated with the mark shown; but applicant does not waive any common-law rights which may have accrued or which may hereafter accrue in the use of the trade-mark as shown.
Particular description of goods.—Live and Dressed Poultry.
Claims use since Jan. 1, 1924.

Ser. No. 197,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE S. MANDICH, doing business as G. S. M. Puro-Septic Co., Cleveland, Ohio. Filed May 31, 1924.

G. S. M.
PURO
SEPTIC



Particular description of goods.—Mouth Disinfectant.
Claims use since Apr. 1, 1924.

Ser. No. 197,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILO COFFEE CO. INC., San Francisco, Calif. Filed May 31, 1924.

VENUS DE
MILO

Particular description of goods.—Coffee, Teas, Spices.
Claims use since Jan. 10, 1916.

Ser. No. 197,907. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX A. REX, doing business as California Sea Food Co., Los Angeles, Calif. Filed May 31, 1924.

South Sea

Particular description of goods.—Canned Fish—Namely, Canned Tunny and Canned Sardines.
Claims use since Jan. 2, 1923.

Ser. No. 197,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS J. TRAUDT, doing business as Dr. Hoffman Medicine Company, St. Louis, Mo. Filed May 31, 1924.

St. Martin



Particular description of goods.—Vegetable Compound for the Relief of Diseases of the Liver and Kidneys.
Claims use since October, 1893.

Ser. No. 197,915. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IDA S. VAN DORIN, doing business as Herbetta Manufacturing Company, Indianapolis, Ind. Filed May 31, 1924.

"HERBETTA CURINE"

Particular description of goods.—Remedy for the Treatment of Epilepsy.
Claims use since about March, 1894.

Ser. No. 197,916. (CLASS 39. CLOTHING.) JOHN P. WALKER, doing business as Silknit Hosiery Company, Chicago, Ill. Filed May 31, 1924.

Silknit

Particular description of goods.—Hosiery.
Claims use since May 15, 1924.

Ser. No. 197,924. (CLASS 39. CLOTHING.) BERKS KNITTING COMPANY, INC., Reading, Pa. Filed June 2, 1924.

PUTUNDA

Particular description of goods.—Ladies' Hosiery.
Claims use since April, 1924.

Ser. No. 197,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER OLIVER CLAYTON, Grand Island, Nebr. Filed June 2, 1924.

YELLOW APPLE

Particular description of goods.—Liver Pills.
Claims use since Apr. 2, 1924.

Ser. No. 197,928. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed June 2, 1924.

LAROMA

Particular description of goods.—Toilet Paper, Towels, and Napkins Made of Paper.
Claims use since Mar. 7, 1924.

Ser. No. 197,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY G. GARDNER, doing business as Aunt Marys Pie Crust Company (Not Incorporated), Evanston, Ill. Filed June 2, 1924.

AUNT MARY'S

Particular description of goods.—Pie-Crust Composition.
Claims use since Jan. 25, 1924.

Ser. No. 197,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUMBOLDT MILLING COMPANY, Humboldt, Tenn. Filed June 2, 1924.

Government Bond

Particular description of goods.—Wheat Flour.
Claims use since 1920.

Ser. No. 197,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KLEINSCHMIDT LABORATORIES, INC., Newark, N. J. Filed June 2, 1924.

THREE STAR

Particular description of goods.—Citrate of Magnesia.
Claims use since about May 26, 1924.

Ser. No. 197,952. (CLASS 39. CLOTHING.) O'CALLAGHAN & FEDDEN, INC., New York, N. Y. Filed June 2, 1924.

Sunlight

Particular description of goods.—Hosiery.
Claims use since May 1, 1924.

Ser. No. 197,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif. Filed June 2, 1924.

CALEDONIA

Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1906.

Ser. No. 197,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif. Filed June 2, 1924.

ALBION

Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1906.

Ser. No. 197,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif. Filed June 2, 1924.

SHAMROCK

Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1906.

Ser. No. 197,959. (CLASS 39. CLOTHING.) THE ROEPER, HANSON & NEUMAN CO., Cincinnati, Ohio. Filed June 2, 1924.

CARNATION

HOSIERY

The word "Hosiery" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since June 1, 1923.

Ser. No. 197,963. (CLASS 39. CLOTHING.) SCHOTT BROS., New York, N. Y. Filed June 2, 1924.

Right-Make

Particular description of goods.—Men's, Youths', and Boys' Dress Shirts, Fancy Shirts, and Flannel Shirts.
Claims use since Mar. 17, 1924.

Ser. No. 197,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS-DAGGETT COMPANY, Grand Rapids, Mich. Filed June 2, 1924.

CHICKY

Particular description of goods.—Chocolate-Covered Wafer.
Claims use since Jan. 10, 1924.

Ser. No. 197,976. (CLASS 39. CLOTHING.) Y & B HOSIERY MILLS, Reading, Pa. Filed June 2, 1924.

Popular

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Jan. 10, 1924.

Ser. No. 197,977. (CLASS 39. CLOTHING.) J. ZINSMEISTER & SONS, Louisville, Ky. Filed June 2, 1924.

STARTLER

Particular description of goods.—Men's, Women's, and Children's Hose.
Claims use since Feb. 16, 1920.

Ser. No. 197,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. ZORN'S JUNIOR CLUB SANDWICHES, Richmond, Va. Filed June 2, 1924.

JUNIOR - CLUB.

Particular description of goods.—Sandwiches.
Claims use since June 14, 1922.

Ser. No. 197,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH DE PRIEST, doing business as W. D. De Priest, Kingston, Pa. Filed June 3, 1924.

Kalletheira

Particular description of goods.—Hair Tonic.
Claims use since Jan. 1, 1924.

Ser. No. 198,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MATHIESON ALKALI WORKS, New York, N. Y. Filed June 3, 1924.

EAGLE-THISTLE

Particular description of goods.—Ammonia.
Claims use since May 9, 1924.

Ser. No. 198,021. (CLASS 39. CLOTHING.) WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn. Filed June 3, 1924.

AJAX

Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since Jan. 1, 1910.

Ser. No. 198,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMANUEL BICKMAN, doing business as Bickman Chemical Company, Baltimore, Md. Filed June 4, 1924.

PROOF

Particular description of goods.—Hair Tonic.
Claims use since on or about Jan. 1, 1924.

Ser. No. 198,069. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KENNEY MANUFACTURING COMPANY, Cranston, R. I. Filed June 4, 1924.

KENECO

Particular description of goods.—Curtain Rods, Drapery Hardware, and Window-Shade Hardware.
Claims use since Mar. 1, 1923.

Ser. No. 198,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE WALDRON, Okeechobee, Fla. Filed June 4, 1924.



Particular description of goods.—Preparation for the Treatment of Yellow Thrush, White Thrush, or Other Diseases of the Mouth.
Claims use since 1914.

Ser. No. 198,111. (CLASS 37. PAPER AND STATIONERY.) CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed June 5, 1924. Under 10-year proviso.

LENOX BOND

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes.
Claims use since July 17, 1891.

Ser. No. 198,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed June 5, 1924.

KODOL

Particular description of goods.—Photographic Developer.
Claims use since Apr. 5, 1924.

Ser. No. 198,137. (CLASS 17. TOBACCO PRODUCTS.) JACOB HOLDEN, doing business as Holden & Earle, Worcester, Mass. Filed June 5, 1924.



Particular description of goods.—Cigars.
Claims use since Dec. 10, 1887.

Ser. No. 198,148. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CON MANOS, doing business as E-X-L Hydrometer Works, Cicero, Ill. Filed June 5, 1924.



Particular description of goods.—Hydrometer Syringes
Claims use since Mar. 20, 1924.

Ser. No. 198,157. (CLASS 17. TOBACCO PRODUCTS.) SOCIÉTÉ ANONYME ED. LAURENS—"LE KHÉDIVE"—EXTENSION SUISSE, Geneva, Switzerland. Filed June 5, 1924. Under ten-year proviso.

LAURENS

Particular description of goods.—Cigarettes.
Claims use since January, 1890.

Ser. No. 198,161. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STRATHMORE ORANGE GROVES CO. INC., Porterville, Calif. Filed June 5, 1924.

SUNNY VALLEY

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Jan. 1, 1922.

Ser. No. 198,172. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE BORGFELDT & CO., New York, N. Y. Filed June 6, 1924.

FELIX

Particular description of goods.—Dolls and Toys. The Particular Dolls and Toys upon Which Applicant Has Used the Trade-Mark are Toy Figures of Wood, Rubber, Textile Fabrics, and Other Materials, Mechanical Toys, Holiday and Party Favors, Building Blocks, Toy Slates, and Toy Drums.
Claims use since Mar. 10, 1924.

Ser. No. 198,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL FREUND, INC., New Orleans, La. Filed June 6, 1924.

Amorita

Particular description of goods.—Candy.
Claims use since Apr. 16, 1920.

Ser. No. 198,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLEBEAS IMPORTATION CO., New York, N. Y. Filed June 6, 1924.

Maid of the Mist

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Sachet Powders, and Bath Salts.
Claims use since Jan. 17, 1922.

Ser. No. 198,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLEBEAS IMPORTATION CO., New York, N. Y. Filed June 6, 1924.

Glebeas
ROSETONE

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Sachet Powders, and Bath Salts.
Claims use since Jan. 17, 1922.

Ser. No. 198,195. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORTEN MILLING COMPANY, Dallas, Tex. Filed June 6, 1924.



Particular description of goods.—Wheat Flour.
Claims use since 1901.

Ser. No. 198,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

AMCO

Particular description of goods.—Sizing, Finishing, and Detergent Preparation for the Treatment of Textile Fabrics.
Claims use since January, 1923.

Ser. No. 198,208. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

AMOLLINE

Particular description of goods.—Preparation for Boiling Cotton Fabrics.
Claims use since Feb. 20, 1924.

Ser. No. 198,222. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRYAN-KEEFE & Co., Tampa, Fla. Filed June 7, 1924.

DeLuxe

Particular description of goods.—Mayonnaise.
Claims use since May 16, 1924.

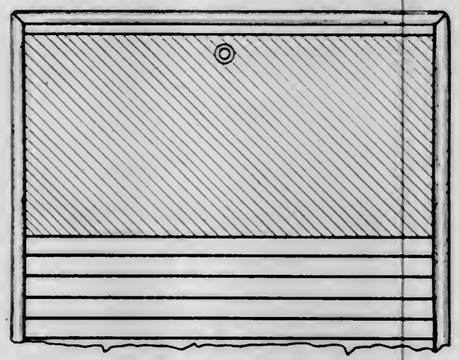
Ser. No. 198,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. B. NOWLIN, doing business as Killant Chemical Company, Fort Worth, Tex. Filed June 7, 1924.



KILLANT

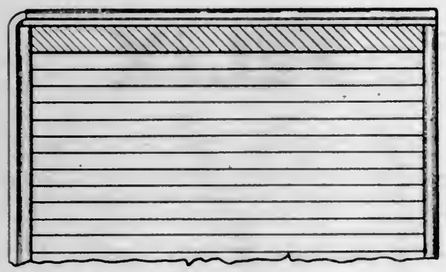
Particular description of goods.—Chemical Composition for Destroying Insects.
Claims use since Mar. 1, 1924.

Ser. No. 198,251. (CLASS 37. PAPER AND STATIONERY.) RAND COMPANY, INC., North Tonawanda, N. Y. Filed June 7, 1924.



No claim is made to the exclusive use of the representation of an index apart from the mark shown on the drawing. The mark consists of a green band displayed at the top of the index. The lining on the drawing indicates the color green.
Particular description of goods.—Indexes.
Claims use since about Jan. 1, 1916.

Ser. No. 198,252. (CLASS 37. PAPER AND STATIONERY.) RAND COMPANY, INC., North Tonawanda, N. Y. Filed June 7, 1924.



No claim is made to the exclusive use of the representation of an index apart from the mark shown in the drawing. The mark consists of a green band displayed at the top of the index. The lining on the drawing indicates the color green.
Particular description of goods.—Indexes.
Claims use since about Jan. 1, 1916.

Ser. No. 198,271. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGARET J. VIDAL, doing business as Dr. Rewalt Med. Co., Madison, S. Dak. Filed June 7, 1924.

R.Q.R.

Particular description of goods.—Remedy for Constipation, Sour Stomach, Diarrhea, Worms, Convulsions, Feverishness, and Loss of Sleep.
Claims use since February, 1900.

Ser. No. 198,282. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BICKMORE COMPANY, Old Town, Me. Filed June 9, 1924.

Pom-Gloss

Particular description of goods.—Ointment for Use on the Scalp and Hair.
Claims use since November, 1923.

Ser. No. 198,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed June 9, 1924.

TEES

Particular description of goods.—Chocolate.
Claims use since May 16, 1924.

Ser. No. 198,302. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRAHAME CHEMICAL COMPANY, Trenton, N. J. Filed June 9, 1924.

GEROXIDE

Particular description of goods.—Solutions Containing Germanium Oxide and Compounds Containing Same.
Claims use since Nov. 1, 1923.

Ser. No. 198,312. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. S. KITCHELL COMPANY, INC., New York, N. Y. Filed June 9, 1924. Under ten-year proviso.

Pullman

Particular description of goods.—Eggs and Butter.
Claims use since January, 1841.

Ser. No. 198,326. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed June 9, 1924.

Polly Prim

Particular description of goods.—Dolls.
Claims use since May 23, 1924.

Ser. No. 198,383. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEO. A. SCHMIDT & Co., Chicago, Ill. Filed June 10, 1924.

MARVELATHER

Particular description of goods.—Shaving Creams and Soaps.
Claims use since May, 1924.

Ser. No. 198,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. F. THIBODEAU COMPANY, INC., Detroit, Mich. Filed June 12, 1924.

FLOSSMOOR

Particular description of goods.—Butter.
Claims use since May 1, 1924.

Ser. No. 198,496. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 13, 1924.

BLENDWEL

Particular description of goods.—Crayons—Namely, Toy Wax Crayons.
Claims use since 1907.

Ser. No. 198,574. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mrs. C. GUNBY, Galveston, Tex. Filed June 14, 1924.

"Radiex"

Particular description of goods.—Scale and Rust Solvents for Radiators, Steam Boilers, and the Like.
Claims use since April, 1923.

Ser. No. 198,623. (CLASS 17. TOBACCO PRODUCTS.) CUESTA, REY & COMPANY, Tampa, Fla. Filed June 16, 1924.



The words "Gold Medal Awarded Panama-Pacific Exposition 1915" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since Apr. 30, 1896.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 29, 1924.

187,069. BLEACHED, PIECE-DYED, AND PRINTED COTTON AND SILK AND COTTON TEXTILES. CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y.
Filed March 26, 1924. Serial No. 194,497. PUBLISHED MAY 13, 1924.

187,070. COTTON PIECE GOODS. TILTON & KEELER INC., New York, N. Y.
Filed March 26, 1924. Serial No. 194,494. PUBLISHED MAY 13, 1924.

187,071. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed March 26, 1924. Serial No. 194,484. PUBLISHED MAY 13, 1924.

187,072. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed March 26, 1924. Serial No. 194,483. PUBLISHED MAY 13, 1924.

187,073. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed March 26, 1924. Serial No. 194,482. PUBLISHED MAY 13, 1924.

187,074. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed March 26, 1924. Serial No. 194,481. PUBLISHED MAY 13, 1924.

187,075. SILK PIECE GOODS. L. & E. STIRN, New York, N. Y.
Filed March 25, 1924. Serial No. 194,420. PUBLISHED MAY 13, 1924.

187,076. SILK PIECE GOODS. L. & E. STIRN, New York, N. Y.
Filed March 25, 1924. Serial No. 194,419. PUBLISHED MAY 20, 1924.

187,077. COTTON PIECE GOODS. HUNTER MFG. & COMMISSION CO., New York, N. Y.
Filed March 24, 1924. Serial No. 194,351. PUBLISHED MAY 13, 1924.

187,078. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed March 22, 1924. Serial No. 194,302. PUBLISHED MAY 13, 1924.

187,079. NONALCOHOLIC CONCENTRATED SIRUPS AND BEVERAGES, INCLUDING GRAPE JUICE. GORDON, SEWALL & CO., INC., Houston, Galveston and Port Arthur, Tex.
Filed March 22, 1924. Serial No. 194,269. PUBLISHED MAY 20, 1924.

187,080. ARTIFICIAL GRAPE EXTRACT USED AS A FLAVOR FOR SODA-WATER BEVERAGES. LADWIG-SCHLUETER CO., Milwaukee, Wis.
Filed March 21, 1924. Serial No. 194,198. PUBLISHED MAY 20, 1924.

187,081. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed March 21, 1924. Serial No. 194,164. PUBLISHED MAY 13, 1924.

187,082. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed March 21, 1924. Serial No. 194,163. PUBLISHED MAY 13, 1924.

187,083. BLEACHED COTTON PIECE GOODS—NAMELY, MUSLIN, CAMBRIC, AND NAINSOOK. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed March 20, 1924. Serial No. 194,107. PUBLISHED MAY 13, 1924.

187,084. HANDKERCHIEFS. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y.
Filed March 19, 1924. Serial No. 194,064. PUBLISHED MAY 13, 1924.

187,085. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed March 18, 1924. Serial No. 194,003. PUBLISHED MAY 13, 1924.

187,086. HANDKERCHIEFS. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y.
Filed March 19, 1924. Serial No. 194,063. PUBLISHED MAY 13, 1924.

187,087. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed March 18, 1924. Serial No. 194,005. PUBLISHED MAY 13, 1924.

187,088. COLD CREAM AND VANISHING CREAM. GORDON WILLIAMS, doing business as Gordon, New York, N. Y.
Filed February 4, 1924. Serial No. 191,800. PUBLISHED APRIL 29, 1924.

187,089. TOILET PREPARATION SPECIFICALLY KNOWN AS VANISHING CREAM. BELLE MOSES, doing business as Sesmo Manufacturing Company, New York, N. Y.
Filed February 4, 1924. Serial No. 191,779. PUBLISHED APRIL 29, 1924.

187,090. BAGS, HAND BAGS, VANITY BAGS, VANITY CASES. MORRIS, MANN & REILLY, INC., Chicago, Ill.
Filed February 4, 1924. Serial No. 191,778. PUBLISHED MAY 6, 1924.

187,091. VANITY BOXES. HARRIET HUBBARD AYER, New York, N. Y.
Filed January 31, 1924. Serial No. 191,517. PUBLISHED APRIL 29, 1924.

187,092. CRAVATS AND NECKTIES. THE KEYSTONE KNITTING COMPANY OF PHILADELPHIA, Philadelphia, Pa.
Filed January 28, 1924. Serial No. 191,382. PUBLISHED MAY 13, 1924.

187,093. COTTON PIECE GOODS. BRUNE POTTBERG & CO., New York, N. Y.
Filed January 25, 1924. Serial No. 191,254. PUBLISHED MAY 20, 1924.

187,094. PAPER PRODUCTS—NAMELY, PAPER NAPKINS AND TOILET PAPER. CONTINENTAL PAPER & BAG MILLS, New York, N. Y., assignor to Continental Paper & Bag Mills Corporation, New York, N. Y., a Corporation of Delaware.
Filed January 23, 1924. Serial No. 191,168. PUBLISHED MAY 13, 1924.

187,095. GERMICIDES. CLARENCE E. MANGE, doing business as Chlorine Products Company, St. Louis, Mo.
Filed January 19, 1924. Serial No. 191,027. PUBLISHED APRIL 29, 1924.

187,096. RULED, PRINTED, AND BOUND BOOKS, LOOSE-LEAF SHEETS, ETC. THE WORKMAN MANUFACTURING COMPANY, Chicago, Ill.
Filed January 14, 1924. Serial No. 190,824. PUBLISHED MAY 6, 1924.

187,097. WRITING PAPERS, BOOK PAPERS, AND PRINTING PAPERS. (REESE & REESE, Baltimore, Md.
Filed January 5, 1924. Serial No. 190,468. PUBLISHED MAY 6, 1924.

187,098. FACE POWDERS, TALCUM POWDERS, PERFUMES, TOILET WATERS, ROUGE, LIP STICKS, SACHET POWDERS, BATH SALTS, FACIAL CREAMS, AND SKIN AND HAIR LOTIONS. SPOONER INC., New York, N. Y.
Filed January 10, 1924. Serial No. 190,658. PUBLISHED MAY 6, 1924.

187,099. MILK CABINETS. ROBERT J. BELL, doing business as New York Mfg. Corp., Richmond, Va.
Filed January 14, 1924. Serial No. 190,755. PUBLISHED APRIL 29, 1924.

187,100. WOOL-VELOUR COATING PIECE GOODS. C. BAUMSEN & CO., INC., New York, N. Y.
Filed January 3, 1924. Serial No. 190,371. PUBLISHED MAY 13, 1924.

187,101. TRACING PAPER AND DRAWING PAPER. ALBERT BERTSCH, Gundershoffen, France.
Filed December 27, 1923. Serial No. 190,146. PUBLISHED MAY 6, 1924.

187,102. PENCIL CLIP AND KNIFE COMBINATION. PENCILNIFE CORPORATION, New York, N. Y.
Filed December 11, 1923. Serial No. 189,515. PUBLISHED MAY 13, 1924.

187,103. HEAT-RESISTING AND HEAT-ENDURING ALLOYS. THE CALORIZING COMPANY, Pittsburgh, Pa.
Filed December 4, 1923. Serial No. 189,184. PUBLISHED MAY 20, 1924.

187,104. BEDSPREADS. JOHN W. FILLMAN COMPANY, Philadelphia, Pa.
Filed November 12, 1923. Serial No. 188,236. PUBLISHED MAY 13, 1924.

187,105. MEN'S, YOUNG MEN'S, AND BOYS' SUITS IN ONE, TWO, AND THREE PIECE ITEMS. CHAS. DOUGLIS MACK CO., New York, N. Y.
Filed November 6, 1923. Serial No. 188,052. PUBLISHED MAY 13, 1924.

187,106. BIRDSEED AND SONG RESTORER. J. P. LEINDORF, New York, N. Y.
Filed November 3, 1923. Serial No. 187,946. PUBLISHED MAY 13, 1924.

187,107. FILTERING PAPER. DAVID KLEIN, New York, N. Y.
Filed October 15, 1923. Serial No. 187,006. PUBLISHED APRIL 29, 1924.

187,108. COLD CREAM, CAMPHOR CREAM, WITCH-HAZEL CREAM, MENTHOLATED CREAM, LEMON VANISHING CREAM, AND LEMON COLD CREAM. AMENDOLA BROTHERS, also doing business as The Amendola Laboratories, New Haven, Conn.
Filed January 30, 1924. Serial No. 191,463. PUBLISHED MAY 6, 1924.

187,109. WHITE AND COLORED BUNTING IN THE PIECE. NARWOOD BROS., Bronklyn, N. Y.
Filed February 23, 1924. Serial No. 192,726. PUBLISHED MAY 20, 1924.

187,110. LIP STICKS AND ROUGE. LOUIS PHILIPPE, New York, N. Y.
Filed February 23, 1924. Serial No. 192,730. PUBLISHED MAY 13, 1924.

187,111. WHEAT FLOUR. SUSUKI AND COMPANY, LIMITED, Kobe, Japan, and Portland, Oreg.
Filed February 27, 1924. Serial No. 192,939. PUBLISHED MAY 13, 1924.

187,112. KNITTED FABRIC MADE FROM COMBINATIONS OF COTTON, MOHAIR, AND WOOL. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,155. PUBLISHED MAY 20, 1924.

187,113. LEATHER SHOES. HAGERSTOWN SHOE & LEGGING CO. INC., Hagerstown, Md.
Filed March 3, 1924. Serial No. 193,168. PUBLISHED MAY 13, 1924.

187,114. CHILD'S AERIAL PLAY CAR. STEWART J. APPLE, Lakewood, Ohio.
Filed October 1, 1923. Serial No. 186,405. PUBLISHED MAY 20, 1924.

187,115. WORK SHIRTS. GEORGE SALTZMAN CO., New York, N. Y.
Filed September 22, 1923. Serial No. 186,086. PUBLISHED MAY 13, 1924.

187,116. ANTISEPTIC HAND LOTION. WILLIAM HOLMES CHAMBERS BARTLETT, doing business as We 3 Company, Mobridge, S. Dak.
Filed Sept. 13, 1923. Serial No. 185,739. PUBLISHED APRIL 29, 1924.

187,117. MILKY SHAMPOO. CHARLES VERSER, Sunnyvale, Calif.
Filed September 1, 1923. Serial No. 185,270. PUBLISHED APRIL 29, 1924.

187,118. BURIAL CASES. EMBALMING BURIAL CASE COMPANY, Burlington, Iowa.
Filed July 10, 1923. Serial No. 183,025. PUBLISHED MAY 6, 1924.

187,119. SILK PIECE GOODS. TOOHEY SILK MILLS, INCORPORATED, New York, N. Y.
Filed July 5, 1923. Serial No. 182,841. PUBLISHED MAY 20, 1924.

187,120. CHECKS, NOTES, BILLS, DRAFTS, PROCESSED OR TREATED PAPERS FOR PROTECTION AGAINST FORGERY, ERASURE OR OTHER ALTERATION, AND ALL PAPERS USED IN COMMERCIAL, FINANCIAL, AND LEGAL TRANSACTIONS. HARRY D. HARKNESS, Chicago, Ill.
Filed June 16, 1923. Serial No. 182,095. PUBLISHED APRIL 29, 1924.

187,121. CANNED STRING BEANS, CANNED WAX BEANS, CANNED CORN, CANNED TOMATOES, CANNED PEAS, AND BOTTLED OLIVES. HAYES & CO., INC., Boston, Mass.
Filed May 26, 1923. Serial No. 181,188. PUBLISHED MAY 6, 1924.

187,122. INFANTS' BANDS, UNDERSHIRTS, UNION SUITS, COMBINATIONS, BRASSIÈRES, PANTS, CORSET COVERS, CAMISOLES, IN KNITTED OR WOVEN FABRICS. DAISY W. MELL, Athens, Ga.
Filed May 16, 1923. Serial No. 180,712. PUBLISHED MAY 13, 1924.

187,123. FANCIFUL LACE CURTAINS. NOVELTY CURTAIN MANUFACTURING CO., Chicago, Ill.
Filed May 5, 1923. Serial No. 180,256. PUBLISHED MAY 20, 1924.

187,124. SATEEN GOODS IN THE PIECE. TITUS BLATTER & COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,249. PUBLISHED MAY 20, 1924.

187,125. SATEEN GOODS IN THE PIECE. TITUS BLATTER & COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,248. PUBLISHED MAY 20, 1924.

187,126. COATED LABEL PAPER. MCLAURIN-JONES CO., Brookfield, Mass.
Filed March 2, 1923. Serial No. 176,845. PUBLISHED APRIL 29, 1924.

187,127. CLASPS AND METAL ORNAMENTS FOR USE ON POCKETBOOKS AND BAGS. THE RIKER COMPANY, Newark, N. J.
Filed February 3, 1923. Serial No. 175,521. PUBLISHED APRIL 29, 1924.

187,128. PAPER AND CARDBOARD BOXES. F. J. SCHLEICHER PAPER BOX COMPPANY, St. Louis, Mo.
Filed January 16, 1923. Serial No. 174,674. PUBLISHED APRIL 29, 1924.

187,129. PRINTED FORMS. FOREST PRODUCTS ENGINEERING CO., Chicago, Ill.
Filed December 30, 1922. Serial No. 174,005. PUBLISHED MAY 13, 1924.

187,130. OLIVE OIL. ITALIAN STORES, INC., New York, N. Y.
Filed December 26, 1922. Serial No. 173,832. PUBLISHED MAY 13, 1924.

187,131. CONTAINERS FILLED WITH ADHESIVE OR GUMMED TAPE. CASTERLINE & BRIEN, San Francisco, Calif., assignor to The Adhesive Paper Products Corporation, San Francisco, Calif., a Corporation of California.
Filed October 19, 1922. Serial No. 170,925. PUBLISHED MAY 13, 1924.

187,132. APRONS, CAPS, SACKS, AND PORCH DRESSES. MYRA B. PETTIT, doing business as M. B. Pettit & Company, Brooklyn, N. Y.
Filed March 9, 1922. Serial No. 160,430. PUBLISHED MAY 13, 1924.

187,133. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, KNITTED OR CROCHETED UNDERWEAR. ATHLETIC KNITTING MILLS, Chicago, Ill.
Filed November 5, 1921. Serial No. 155,042. PUBLISHED MAY 13, 1924.

187,134. ARTIFICIAL-SILK KNITTED FABRIC. NATHAN MALPERIN, doing business as Halperin Mills, Brooklyn, N. Y.
Filed December 19, 1923. Serial No. 189,893. PUBLISHED MAY 13, 1924.

187,135. MEDICAL COMPOUNDS TO BE USED PARTICULARLY FOR THE LIVER, KIDNEYS, STOMACH, BOWELS, CONSTIPATION, INDIGESTION, AND BLADDER TROUBLES. JOSEPH CHARNES, Chicago, Ill.
Filed December 17, 1923. Serial No. 189,757. PUBLISHED MAY 6, 1924.

187,136. CERTAIN MACHINERY AND PARTS THEREOF, BUT NOT INCLUDING TEXTILE MACHINERY OR SPECIAL PARTS SPECIFICALLY INTENDED FOR USE THEREWITH. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y.
Filed December 24, 1923. Serial No. 190,049. PUBLISHED MAY 13, 1924.

187,137. LEATHER SHOES. CHIGIRL SHOE CO., Chicago, Ill.
Filed January 14, 1924. Serial No. 190,770. PUBLISHED MAY 13, 1924.

187,138. CERTAIN GLASSWARE. RUSSELL B. CRESSMAN, New York, N. Y.
Filed January 15, 1924. Serial No. 190,832. PUBLISHED MAY 20, 1924.

187,139. CIGARS. ROIG & LANDSDORF, INC., Philadelphia, Pa.
Filed January 24, 1924. Serial No. 191,239. PUBLISHED MAY 20, 1924.

187,140. COTTON PIECE GOODS. BRUNE POTTBERG & Co., New York, N. Y.
Filed January 25, 1924. Serial No. 191,256. PUBLISHED MAY 20, 1924.

187,141. CERTAIN NAMED PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed January 26, 1924. Serial No. 191,295. PUBLISHED MAY 20, 1924.

187,142. WATCH GLASSES. ALBERT BERGER & Co., New York, N. Y., doing business as La Societe Albert Berger et Cie., Goetzenbruck, France.
Filed February 9, 1924. Serial No. 192,059. PUBLISHED MAY 20, 1924.

187,143. TEXTILE CARPETS AND RUGS. HARDWICK & MAGEE COMPANY, Philadelphia, Pa.
Filed February 11, 1924. Serial No. 192,118. PUBLISHED MAY 20, 1924.

187,144. CERTAIN NAMED PIECE GOODS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed February 16, 1924. Serial No. 192,371. PUBLISHED MAY 20, 1924.

187,145. CANDY. THE ROBT. F. MACKENZIE CO., Cleveland, Ohio.
Filed February 16, 1924. Serial No. 192,403. PUBLISHED MAY 20, 1924.

187,146. COFFEE. SOUTH BEND WHOLESALE GROCERY COMPANY, South Bend, Ind.
Filed February 16, 1924. Serial No. 192,438. PUBLISHED MAY 20, 1924.

187,147. RUBBER BANDS. TYER RUBBER COMPANY, Andover, Mass.
Filed February 16, 1924. Serial No. 192,447. PUBLISHED MAY 6, 1924.

187,148. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed March 18, 1924. Serial No. 194,006. PUBLISHED MAY 13, 1924.

187,149. GAMES OF CHANCE UTILIZING MANIKINS TO SIMULATE THE ACROBATIC STUNTS OF CLOWNS RACING TOWARD A GOAL. EARL T. WHITE, Atlantic City, N. J.
Filed December 6, 1923. Serial No. 189,342. PUBLISHED MAY 20, 1924.

187,150. WOMEN'S SANITARY NAPKINS. R. H. MACY & Co., INC., New York, N. Y.
Filed December 11, 1923. Serial No. 189,495. PUBLISHED MAY 20, 1924.

187,151. WHEAT AND RYE FLOUR. PETER M. LEAVITT, Boston, Mass.
Filed July 5, 1923. Serial No. 182,825. PUBLISHED MAY 20, 1924.

187,152. WHEAT AND RYE FLOUR. PETER M. LEAVITT, Boston, Mass.
Filed July 5, 1923. Serial No. 182,826. PUBLISHED MAY 20, 1924.

187,153. CANNED SHRIMP. SEA ISLAND CANNING CO., Sapelon Island, Ga.
Filed July 14, 1923. Serial No. 183,235. PUBLISHED MAY 20, 1924.

187,154. CATTLE, CHICKEN, AND PIGEON FEEDS. SUNNY SOUTH GRAIN COMPANY, Birmingham, Ala.
Filed August 1, 1923. Serial No. 183,949. PUBLISHED JANUARY 15, 1924.

187,155. CANDY. COTTON BELT CANDY COMPANY, Charlotte, N. C.
Filed December 14, 1923. Serial No. 189,661. PUBLISHED MAY 20, 1924.

187,156. PUMPS AND COMPRESSORS. THE GARDNER GOVERNOR COMPANY, Quincy, Ill.
Filed December 12, 1923. Serial No. 189,562. PUBLISHED MAY 20, 1924.

187,157. MILK PREPARATIONS TO BE USED AS BEVERAGES. FRANK WEMLINGER, doing business as Re-Nu Co. (not Inc.), Chicago, Ill.
Filed December 21, 1923. Serial No. 189,995. PUBLISHED MAY 13, 1924.

187,158. TABLE GRAPES IN THEIR NATURAL STATE. THE RUMPF-WETMORE COMPANY, Stockton, Calif.
Filed December 24, 1923. Serial No. 190,065. PUBLISHED MAY 6, 1924.

187,159. MONTHLY MAGAZINE. NEW METROPOLITAN FICTION, INC., New York, N. Y.
Filed April 5, 1924. Serial No. 195,068. PUBLISHED MAY 13, 1924.

187,160. CARTOONS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed April 4, 1924. Serial No. 194,998. PUBLISHED MAY 13, 1924.

187,161. WRITING PAPER AND ENVELOPES. BERMINGHAM & PROSSER COMPANY, Kalamazoo, Mich.
Filed March 27, 1924. Serial No. 194,514. PUBLISHED MAY 13, 1924.

187,162. WRITING PAPER AND ENVELOPES. BERMINGHAM & PROSSER COMPANY, Kalamazoo, Mich.
Filed March 27, 1924. Serial No. 194,513. PUBLISHED MAY 13, 1924.

187,163. TITLE FOR A MONTHLY PUBLICATION. THE WHITEHEAD & HOAG CO., Newark, N. J., and New York, N. Y.
Filed March 25, 1924. Serial No. 194,426. PUBLISHED MAY 13, 1924.

187,164. PREPARED FEED FOR LIVESTOCK. ARCADY FARMS MILLING COMPANY, Chicago, Ill.
Filed March 25, 1924. Serial No. 194,389. PUBLISHED MAY 13, 1924.

187,165. CANDY BAR. ANDERSON CARAMEL CO., Bridgeport, Ohio.
Filed March 25, 1924. Serial No. 194,385. PUBLISHED MAY 13, 1924.

187,166. HOSIERY OF SILK, COTTON, WOOL, AND COMBINATIONS THEREOF. HAYWARD HOSIERY COMPANY, Ipswich, Mass.
Filed March 21, 1924. Serial No. 194,189. PUBLISHED MAY 13, 1924.

187,167. WRAPPING PAPER. BRINN & JENSEN CO., Omaha, Nebr.
Filed March 21, 1924. Serial No. 194,159. PUBLISHED MAY 13, 1924.

187,168. SILK PIECE GOODS—NAMELY, SATINS. BLEYER & WEINBERG, New York, N. Y.
Filed March 18, 1924. Serial No. 193,986. PUBLISHED MAY 13, 1924.

187,169. GIFT BOXES. YORK-BRADFORD COMPANY, INC., San Francisco, Calif.
Filed March 15, 1924. Serial No. 193,878. PUBLISHED APRIL 29, 1924.

187,170. ERASERS AND CRAYONS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed March 15, 1924. Serial No. 193,874. PUBLISHED MAY 13, 1924.

187,171. PREPARATION TO PROMOTE THE GROWTH OF HAIR. CRISCENZO GRANUCCI, Little Neck, N. Y.
Filed March 13, 1924. Serial No. 193,706. PUBLISHED MAY 6, 1924.

187,172. COMBINATION AUTOMOBILE GASOLINE-TANK CAP AND RESERVE-GASOLINE CONTAINER. CAMEL MANUFACTURING CO., Louisville, Ky.
Filed March 13, 1924. Serial No. 193,696. PUBLISHED APRIL 29, 1924.

187,173. OLEOMARGARINE. SWIFT AND COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,551. PUBLISHED MAY 13, 1924.

187,174. PREPARATION FOR THE TREATMENT OF DISEASES OF THE GUMS. GLYP, INC., Denver, Colo.
Filed March 10, 1924. Serial No. 193,518. PUBLISHED MAY 6, 1924.

187,175. LOTION FOR EXTERNAL USE IN THE TREATMENT OF ECZEMA, BOILS, URTICARIA, VARICOSE ULCERS, IVY POISONING, INSECT BITES, STINGS, AND SKIN DISEASES, SORES, AND SIMILAR AFFECTIONS. VEAZY P. RUPE, Indianapolis, Ind.
Filed March 8, 1924. Serial No. 193,474. PUBLISHED MAY 6, 1924.

187,176. COFFEE. GRIGGS, COOPER AND COMPANY, St. Paul, Minn.
Filed April 7, 1924. Serial No. 195,106. PUBLISHED MAY 20, 1924.

187,177. CANDY. GREEK CANDY KITCHEN, Clinton, Ind.
Filed April 7, 1924. Serial No. 195,104. PUBLISHED MAY 20, 1924.

187,178. EVAPORATED MILK. DETROIT COMMERCE COMPANY, Detroit, Mich.
Filed April 5, 1924. Serial No. 195,055. PUBLISHED MAY 20, 1924.

187,179. SPAGHETTI AND MACARONI. THE OHIO MACARONI COMPANY, Cleveland, Ohio.
Filed April 3, 1924. Serial No. 194,941. PUBLISHED MAY 20, 1924.

187,180. INDICATING INSTRUMENTS, NAMELY THERMOMETERS. THE MOTO METER COMPANY, INC., Long Island City, N. Y.
Filed April 3, 1924. Serial No. 194,934. PUBLISHED MAY 20, 1924.

187,181. CANDY. BLACK ROCK CANDY CO., Dover, N. J.
Filed April 3, 1924. Serial No. 194,901. PUBLISHED MAY 20, 1924.

187,182. ICE CREAM AND BUTTER. SOUTHERN ICE & UTILITIES CO., doing business as Sapulpa Creamery, Sapulpa, Okla.
Filed April 2, 1924. Serial No. 194,883. PUBLISHED MAY 20, 1924.

187,183. PEPPERMINTS. MELCO CANDY CO., Sherman, Calif.
Filed April 2, 1924. Serial No. 194,877. PUBLISHED MAY 20, 1924.

187,184. SELF-RISING FLOUR. THE COLORADO MILLING & ELEVATOR COMPANY, Denver, Colo., also doing business at The Fort Collins Flour Mills, Fort Collins, Colo.
Filed April 2, 1924. Serial No. 194,852. PUBLISHED MAY 20, 1924.

187,185. WHEAT FLOUR. THE COLORADO MILLING & ELEVAROR COMPANY, Denver Colo., also doing business as The La Junta Flour Mills, La Junta, Colo.
Filed April 2, 1924. Serial No. 194,851. PUBLISHED MAY 20, 1924.

187,186. HAIR BRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,831. PUBLISHED MAY 20, 1924.

187,187. FRESH PEARS. WILL B. WESTON, Santa Clara, Calif.
Filed March 29, 1924. Serial No. 194,684. PUBLISHED MAY 20, 1924.

187,188. TEMPERATURE REGULATORS, RECORDING THERMOMETERS, AND INDICATING THERMOMETERS. SARCO COMPANY, INC., New York, N. Y.
Filed March 29, 1924. Serial No. 194,669. PUBLISHED MAY 20, 1924.

187,189. BROOMCORN HOUSE BROOMS. SAMUEL H. HILL, Paxton, Ill.
Filed March 27, 1924. Serial No. 194,540. PUBLISHED MAY 20, 1924.

187,190. [WITHDRAWN.]

187,191. WHEAT FLOUR. CLEVELAND MILLING COMPANY, Cleveland, Tenn.
Filed March 26, 1924. Serial No. 194,434. PUBLISHED MAY 20, 1924.

187,192. CHOCOLATE-FUDGE SAUCE AND WELSH RAREBIT. BUNNY FOOD PRODUCTS COMPANY, Cambridge, Mass.
Filed March 22, 1924. Serial No. 194,254. PUBLISHED MAY 13, 1924.

187,193. COCOA, PEANUT BUTTER, TABLE SIRUP, SPICES, FOOD-FLAVORING EXTRACTS, PREPARED MUSTARD, AND OLIVES. TINDALL, KOLBE & MCDOWELL CO., Milwaukee, Wis.
Filed March 21, 1924. Serial No. 194,224. PUBLISHED MAY 13, 1924.

187,194. DRIED RED PEPPERS. THE FRANK TEA & SPICE CO., Cincinnati, Ohio.
Filed March 21, 1924. Serial No. 194,180. PUBLISHED MAY 13, 1924.

187,195. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed March 10, 1924. Serial No. 194,083. PUBLISHED MAY 20, 1924.

187,196. RULERS AND YARDSTICKS. SHULMAN & SONS, New York, N. Y.
Filed March 17, 1924. Serial No. 193,966. PUBLISHED MAY 20, 1924.

187,197. MOTOR ACCESSORIES—NAMELY, COMBINED HEAT-INDICATING DEVICES AND RADIO CAPS FOR AUTOMOBILE RADIATORS. THE MOTO METER COMPANY, INC., Long Island City, N. Y.
Filed March 17, 1924. Serial No. 193,942. PUBLISHED MAY 20, 1924.

187,198. FOOD-FLAVORING EXTRACTS. LUVERNE EXTRACT COMPANY, Los Angeles, Calif.
Filed March 17, 1924. Serial No. 193,937. PUBLISHED MAY 13, 1924.

187,199. MACARONI, SPAGHETTI, ELBOW MACARONI, ELBOW SPAGHETTI, EGG NOODLES, PLAIN NOODLES. THE FOULDS MILLING COMPANY, doing business as The National Macaroni Company, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,917. PUBLISHED MAY 13, 1924.

187,200. DRAFTING INSTRUMENTS HAVING IN COMBINATION THE ESSENTIAL ELEMENTS OF THE 45-DEGREE TRIANGLE AND THE PROTRACTOR. EDWIN Z. LESH, Dayton, Ohio.
Filed August 23, 1920. Serial No. 136,377. PUBLISHED APRIL 24, 1923.

187,201. VINEGARS. DUFFY-MOTT COMPANY, INC., New York, N. Y.
Filed June 6, 1922. Serial No. 165,070. PUBLISHED JANUARY 9, 1923.

187,202. CANDY. CACTUS CRYSTAL COMPANY, Dover, Del., and Fort Worth, Tex.
Filed November 1, 1922. Serial No. 171,449. PUBLISHED MARCH 27, 1923.

187,203. CORN-POPPING MACHINES, POP-CORN-VENDING MACHINES, AND PARTS THEREOF. WILLIAM H. KRIETE, doing business as The Iowa Light Company, Des Moines, Iowa.
Filed November 18, 1922. Serial No. 172,231. PUBLISHED MAY 20, 1924.

187,204. WARP SATEENS. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed May 3, 1923. Serial No. 180,147. PUBLISHED NOVEMBER 6, 1923.

187,205. POTATOES IN THEIR NATURAL STATE. JOHN J. KELLY, Grand Forks, N. Dak.
Filed February 16, 1924. Serial No. 192,396. PUBLISHED MAY 20, 1924.

187,206. INFANTS' DIAPERS. TWENTIETH CENTURY MFG. CO., Dover, Del.
Filed February 21, 1924. Serial No. 192,651. PUBLISHED MAY 6, 1924.

187,207. TIME STAMPS AND ELAPSED-TIME MACHINES. INTERNATIONAL TIME RECORDING COMPANY OF NEW YORK, New York, N. Y.
Filed February 23, 1924. Serial No. 192,700. PUBLISHED MAY 20, 1924.

187,208. CANDY. SCHAPIRA BROTHERS, INC., New York, N. Y.
Filed February 25, 1924. Serial No. 192,796. PUBLISHED MAY 20, 1924.

187,209. CANNED TOMATOES, HOMINY, SAUERKRAUT, PUMPKIN, AND PEAS; CANNED PORK AND BEANS, TOMATO PURÉE, TOMATO SOUP, TOMATO CATCHUP. THE UTAH CANNING COMPANY, Ogden, Utah.
Filed February 26, 1924. Serial No. 192,867. PUBLISHED MAY 13, 1924.

187,210. FRESH CITROUS FRUITS. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif.
Filed February 27, 1924. Serial No. 192,908. PUBLISHED MAY 20, 1924.

187,211. WHEAT FLOUR. RANDOLPH MILLING COMPANY, Baldwin, Ill.
Filed February 29, 1924. Serial No. 193,069. PUBLISHED MAY 20, 1924.

187,212. CHILD'S TWO-WHEELED VEHICLE KNOWN AS A SCOOTER OR COASTER. THE COLSON COMPANY, Elyria, Ohio.
Filed March 5, 1924. Serial No. 193,273. PUBLISHED MAY 20, 1924.

187,213. CANDY—NAMELY, CHOCOLATE CANDY IN BAR FORM, HARD CANDY, AND CHOCOLATE-COATED CREAM CANDY. MATRIX CANDY CORPORATION, New York, N. Y.
Filed March 7, 1924. Serial No. 193,409. PUBLISHED MAY 20, 1924.

187,214. ICE-CREAM CUPS. THESE ICE-CREAM CUPS ARE EDIBLE, BEING MADE OF A BATTER CONTAINING EGGS, FLOUR, AND BAKING POWDER. CONE COMPANY OF AMERICA, Long Island City, N. Y.
Filed March 8, 1924. Serial No. 193,448. PUBLISHED MAY 13, 1924.

187,215. MARMALADE. JAMES KEILLER & SON, LIMITED, Dundee, Scotland.
Filed March 11, 1924. Serial No. 193,599. PUBLISHED MAY 20, 1924.

187,216. CANDY—NAMELY, LOLLIPOPS. E. ROSEN COMPANY, Providence, R. I.
Filed March 12, 1924. Serial No. 193,683. PUBLISHED MAY 20, 1924.

187,217. OPHTHALMIC LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed March 15, 1924. Serial No. 193,796. PUBLISHED MAY 20, 1924.

187,218. OPHTHALMIC LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed March 15, 1924. Serial No. 193,797. PUBLISHED MAY 20, 1924.

187,219. OPHTHALMIC LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed March 15, 1924. Serial No. 193,798. PUBLISHED MAY 20, 1924.

187,220. CAKES, COOKIES, CRACKERS, AND BREAD. BECKER'S BAKERY, Spartanburg, S. C.
Filed March 15, 1924. Serial No. 193,790. PUBLISHED MAY 20, 1924.

187,221. INSECTICIDES, DISINFECTANTS, AND DEODORANTS. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed February 11, 1924. Serial No. 192,144. PUBLISHED APRIL 29, 1924.

187,222. INSECTICIDES AND FUNGICIDES. RICHES, PIVER & CO., New York, N. Y.
Filed February 11, 1924. Serial No. 192,150. PUBLISHED APRIL 29, 1924.

187,223. PREPARATION FOR CATARRH. STEVENS MEDICINE COMPANY, New York, N. Y.
Filed February 15, 1924. Serial No. 192,340. PUBLISHED MAY 6, 1924.

187,224. MEDICATED TABLE AND KITCHEN SALT CONTAINING AN IODINE COMPOUND. J. A. WILLIAMS, doing business as Twee Chemical Company, Fort Wayne, Ind.
Filed February 15, 1924. Serial No. 192,347. PUBLISHED MAY 6, 1924.

187,225. STENCIL PAPER, STENCILS, AND STENCIL BACKING SHEETS. A. B. DICK COMPANY, Chicago, Ill.
Filed February 16, 1924. Serial No. 192,368. PUBLISHED APRIL 29, 1924.

187,226. SEWING-MACHINE FURNITURE IN THE FORM OF COVERS OF SEWING-MACHINE CABINETS, TABLES, AND STANDS AND FOR PORTABLE CARRYING CASES FOR SEWING MACHINES. THE SINGER MANUFACTURING COMPANY, New York, N. Y., and Elizabeth, N. J.
Filed February 16, 1924. Serial No. 192,437. PUBLISHED APRIL 15, 1924.

187,227. ENVELOPES. EAGER & HART, New York, N. Y.
Filed February 21, 1924. Serial No. 192,608. PUBLISHED MAY 6, 1924.

187,228. CANDY. DOMINIC ZONI SALERNO, doing business as D. Zoni Salerno, Chicago, Ill., assignor to Lucky Bite Candy Company, Chicago, Ill., a Partnership composed of Dominic Zoni Salerno and William G. Sedlock.
Filed February 21, 1924. Serial No. 192,646. PUBLISHED MAY 13, 1924.

187,229. COMPOUND FOR THE REDUCTION OF SUPERFLUOUS FLESH. ABRAHAM WAGNER, doing business as Wagner Laboratories, Brooklyn, N. Y.
Filed February 21, 1924. Serial No. 192,653. PUBLISHED APRIL 29, 1924.

187,230. INSECTICIDES. WILLIAM CRAWFORD ADAMS, doing business as Adams Drug Company, Panama City, Fla.
Filed February 23, 1924. Serial No. 192,658. PUBLISHED APRIL 29, 1924.

187,231. MEDICINE FOR TREATMENT OF STOMACH DISORDERS. C. W. BORLAND, doing business as C. W. Borland Stomocease Company, Columbus, Ohio.
Filed February 23, 1924. Serial No. 192,672. PUBLISHED MAY 6, 1924.

187,232. MEDICINAL TABLETS USED AS A REMEDY FOR HYSTERIA, DIZZINESS, NERVOUS PROSTRATION, NERVOUS DEBILITY, AND WEAKNESS. RISDEN BENNETT NAPIER, doing business as The Bennett Remedy Co., Rockingham, N. C.
Filed February 23, 1924. Serial No. 192,722. PUBLISHED MAY 6, 1924.

187,233. FITTED AND UNFITTED HAND BAGS AND CASES, OVERNIGHT BAGS AND CASES, WEEK-END BAGS AND CASES, POCKETBOOKS, MOTOR BAGS AND CASES, AND SHOPPING BAGS. M. PUNCH, INC., New York, N. Y.
Filed February 23, 1924. Serial No. 192,732. PUBLISHED APRIL 29, 1924.

187,234. SALVE FOR EXTERNAL APPLICATION IN THE TREATMENT OF CONGESTION OR INFLAMMATION. CLYDE SMITH, Walnut Grove, Mo.
Filed February 25, 1924. Serial No. 192,798. PUBLISHED MAY 6, 1924.

187,235. MEDICINAL PREPARATION—NAMELY, SALINE LAXATIVE AND CHOLAGOGUE PURGATIVE AND A PANCREATIC, DIURETIC, AND ANTIACID STIMULANT. DR. WM. JAMES KNIGHT, Newport News, Va.
Filed February 26, 1924. Serial No. 192,845. PUBLISHED MAY 6, 1924.

187,236. KNITTED FABRIC MADE FROM COMBINATIONS OF COTTON, MOHAIR, AND WOOL. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,154. PUBLISHED MAY 13, 1924.

187,237. MEN'S SUITS, TOPCOATS, TROUSERS, MEN'S WORKING COATS AND TROUSERS, AND MEN'S GOLF AND OUTING SUITS AND TROUSERS. GENERAL SERVICE CLOTHING CO., Chicago, Ill.
Filed March 3, 1924. Serial No. 193,165. PUBLISHED MAY 13, 1924.

187,238. COMBINATION FILE AND BLOTTER BOOK. MICHAEL FRANCIS MCALEER, Washington, D. C.
Filed March 5, 1924. Serial No. 193,301. PUBLISHED APRIL 29, 1924.

187,239. FOUNTAIN PENS. JOHN LEHN, doing business as Ajax Pen Company, Philadelphia, Pa.
Filed March 6, 1924. Serial No. 193,342. PUBLISHED APRIL 29, 1924.

187,240. PREPARATION FOR THE RELIEF OF SEA-SICKNESS. ISAAC KARPE, doing business as Karpe Bros., New York, N. Y.
Filed March 7, 1924. Serial No. 193,402. PUBLISHED MAY 6, 1924.

187,241. ROOT BEER. JOSEPH LOUIS REED, Waco, Tex.
Filed April 8, 1924. Serial No. 195,190. PUBLISHED MAY 20, 1924.

187,242. MATCHES AND SAFETY MATCHES. OTTO EISENLOHR & BROS., INCORPORATED, Philadelphia, Pa.
Filed April 4, 1924. Serial No. 194,985. PUBLISHED MAY 13, 1924.

187,243. NONALCOHOLIC FRUIT-JUICE BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND DRY POWDERS FOR MAKING THE SAME. CHARLES BENKESER, New York, N. Y.
Filed March 31, 1924. Serial No. 194,688. PUBLISHED MAY 20, 1924.

187,244. SANDWICHES. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed March 29, 1924. Serial No. 194,659. PUBLISHED MAY 13, 1924.

187,245. TEXTILE RUGS. KENT-COSTIKYAN TRADING COMPANY, INC., New York, N. Y.
Filed March 29, 1924. Serial No. 194,648. PUBLISHED MAY 13, 1924.

187,246. STOCK AND POULTRY FEED. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed March 28, 1924. Serial No. 194,635. PUBLISHED MAY 13, 1924.

187,247. COTTON PIECE GOODS. E. J. WILE & CO., New York, N. Y.
Filed March 26, 1924. Serial No. 194,498. PUBLISHED MAY 13, 1924.

187,248. CANDY. THE METRO CHOCOLATE CO., INC., Brooklyn, N. Y.
Filed April 7, 1924. Serial No. 195,117. PUBLISHED MAY 20, 1924.

187,249. BUTTER. ERNEST A. TIMM, Denver, Colo.
Filed April 7, 1924. Serial No. 195,141. PUBLISHED MAY 20, 1924.

187,250. CANNED VEGETABLES. GREENMOUNT CANNING COMPANY, Greenmount, Md.
Filed April 8, 1924. Serial No. 195,168. PUBLISHED MAY 20, 1924.

187,251. SALAD OIL. RAFFAELE MARTORELLI, New York, N. Y.
Filed April 8, 1924. Serial No. 195,176. PUBLISHED MAY 20, 1924.

187,252. CHEESE. UNITED CHEESE IMPORTERS, INC., New York, N. Y.
Filed April 8, 1924. Serial No. 195,202. PUBLISHED MAY 20, 1924.

187,253. BRUSHES. GEO. S. LEINER & CO., New York, N. Y.
Filed April 9, 1924. Serial No. 195,231. PUBLISHED MAY 20, 1924.

187,254. CORNSTARCH. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 11, 1924. Serial No. 195,334. PUBLISHED MAY 20, 1924.

187,255. PREPARED FLOUR FOR BISCUITS OR SHORTCAKE. FLAKO PRODUCTS CORPORATION, New Brunswick, N. J.
Filed April 11, 1924. Serial No. 195,340. PUBLISHED MAY 20, 1924.

187,256. COFFEE. FREY-WEAVER CO., Lancaster, Pa.
Filed April 12, 1924. Serial No. 195,442. PUBLISHED MAY 20, 1924.

187,257. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed March 18, 1924. Serial No. 194,001. PUBLISHED MAY 13, 1924.

187,258. SILK PIECE GOODS. BLEYER & WEINBERG, New York, N. Y.
Filed March 18, 1924. Serial No. 193,987. PUBLISHED MAY 13, 1924.

187,259. TOOTHBRUSHES, TOILET BRUSHES, HAIRBRUSHES, CLOTHES BRUSHES, NAILBRUSHES, AND MILITARY BRUSHES. E. J. MCWHIRTER & CO. INC., Seattle, Wash.
Filed March 17, 1924. Serial No. 193,939. PUBLISHED MAY 20, 1924.

187,260. MALT CEREAL BEVERAGE. THE FLORIDA BREWING CO., doing business as La Tropical Beverage Co., Tampa, Fla.
Filed March 17, 1924. Serial No. 193,916. PUBLISHED MAY 20, 1924.

187,261. SALT. SAGINAW SALT PRODUCTS COMPANY, Saginaw, Mich.
Filed March 15, 1924. Serial No. 193,862. PUBLISHED MAY 6, 1924.

187,262. HAIR-REMOVING COMPOSITION AND COMPOUNDS. LILLIAN M. MURPHY, doing business as Marie Cecil, New York, N. Y.
Filed March 15, 1924. Serial No. 193,848. PUBLISHED MAY 6, 1924.

187,263. MALT TONIC. FREDERICK BROTHERS, Chicago, Ill.
Filed March 15, 1924. Serial No. 193,825. PUBLISHED MAY 20, 1924.

187,264. LINIMENT FOR SPRAINS, SWELLINGS, RHEUMATISM, AND STIFF JOINTS. RUSH CRANDALL, Masonville, N. Y.
Filed March 15, 1924. Serial No. 193,807. PUBLISHED MAY 6, 1924.

187,265. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. AUGUST BLUMENTHAL, St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,800. PUBLISHED MAY 6, 1924.

187,266. LADIES' HATS. RITE HAT WORKS, INC., New York, N. Y.
Filed March 12, 1924. Serial No. 193,682. PUBLISHED MAY 13, 1924.

187,267. SILK PIECE GOODS. ROBINS SILK MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 11, 1924. Serial No. 193,627. PUBLISHED APRIL 29, 1924.

187,268. HAIR NETS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed March 10, 1924. Serial No. 193,531. PUBLISHED MAY 13, 1924.

187,269. PREPARATION FOR PILES. MRS. ANNA MARGARET OLSEN SKINNER, Sykesville, Md.
Filed March 8, 1924. Serial No. 193,478. PUBLISHED MAY 6, 1924.

187,270. LADIES' HATS. IDEAL HAT CO., New York, N. Y.
Filed March 8, 1924. Serial No. 193,462. PUBLISHED MAY 13, 1924.

187,271. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed March 8, 1924. Serial No. 193,444. PUBLISHED MAY 20, 1924.

187,272. CERTAIN TOOLS OF PRECISION. THE STANLEY WORKS, New Britain, Conn.
Filed March 7, 1924. Serial No. 193,428. PUBLISHED MAY 13, 1924.

187,273. TABLE LINENS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 6, 1924. Serial No. 193,359. PUBLISHED MAY 20, 1924.

187,274. SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed March 6, 1924. Serial No. 193,322. PUBLISHED MAY 13, 1924.

187,275. JEWELRY BOXES. L. HELLER & SON, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,284. PUBLISHED MAY 13, 1924.

187,276. FILES AND RASPS. NICHOLSON FILE COMPANY, Providence, R. I.
Filed March 3, 1924. Serial No. 193,187. PUBLISHED MAY 20, 1924.

187,277. KEROSENE. GILMORE PETROLEUM COMPANY, Los Angeles, Calif.
Filed July 7, 1922. Serial No. 166,559. PUBLISHED MAY 6, 1924.

187,278. GASOLINE, FUEL AND LUBRICATING OILS. FEDERAL OIL CO., Des Moines, Iowa.
Filed March 31, 1923. Serial No. 178,379. PUBLISHED MAY 6, 1924.

187,279. GASOLINE. JAMES W. JAMESON, doing business as Jameson Oil Company, Los Angeles, Calif.
Filed June 14, 1923. Serial No. 181,995. PUBLISHED OCTOBER 2, 1923.

187,280. GASOLINE. ELCO PETROLEUM COMPANY, St. Louis, Mo.
Filed June 25, 1923. Serial No. 182,406. PUBLISHED MAY 6, 1924.

187,281. LUBRICATING OILS AND GREASES. THE LISCO COMPANY, Atlanta, Ga.
Filed January 26, 1924. Serial No. 191,332. PUBLISHED APRIL 29, 1924.

187,282. MOTOR FUELS HAVING AN ALCOHOL BASE. PIERRE ARMAND BRANGIER, Paris, France.
Filed November 19, 1923. Serial No. 188,525. PUBLISHED APRIL 29, 1924.

187,283. SOAPS IN CAKE FORM, SOAP PASTE, AND SOAP POWDERS. PARFUMERIE ROGER ET GALLET, Paris, France.
Filed August 29, 1923. Serial No. 185,142. PUBLISHED FEBRUARY 19, 1924.

187,284. LUBRICANT. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J.
Filed March 7, 1924. Serial No. 193,425. PUBLISHED APRIL 29, 1924.

187,285. GASOLINE. CRESCENT OIL COMPANY, Minneapolis, Minn.
Filed March 14, 1924. Serial No. 193,757. PUBLISHED APRIL 29, 1924.

187,286. LUBRICATING OILS AND GREASES. PENNSYLVANIA PETROLEUM COMPANY, North Kansas City, Mo.
Filed March 17, 1924. Serial No. 193,957. PUBLISHED APRIL 29, 1924.

187,287. CHEESE, CHEESE PRODUCTS, AND MILK PRODUCTS. SCHWEIZERKÄSE-KONSERVEN AKTIEN-GESELLSCHAFT, Schindellegi, Switzerland.
Filed January 15, 1924. Serial No. 190,856. PUBLISHED MAY 20, 1924.

187,288. CANDY. THE LOOMIS-WOODWARD CO., also doing business as Loomis-Woodward, Fort Dodge, Iowa.
Filed February 2, 1924. Serial No. 191,710. PUBLISHED MAY 20, 1924.

187,289. TABLE SIRUP. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed February 4, 1924. Serial No. 191,749. PUBLISHED MAY 13, 1924.

187,290. CANNED VEGETABLES. SCHWABACHER BROS. & CO. INCORPORATED, Seattle, Wash.
Filed February 5, 1924. Serial No. 191,843. PUBLISHED MAY 20, 1924.

187,291. CANDY AND CHOCOLATES IN BOXES AND BULK. ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co., Los Angeles, Calif.
Filed February 6, 1924. Serial No. 191,882. PUBLISHED MAY 20, 1924.

187,292. PAPER CONTAINERS FOR CANDIES. MANSELL, HUNT, CATTY & CO. LTD., London, England, and New York, N. Y.
Filed May 28, 1921. Serial No. 148,523. PUBLISHED MAY 13, 1924.

187,293. PICTURES ON FILMS AND LANTERN SLIDES. WILLARD C. BRINTON, New York, N. Y.
Filed September 8, 1921. Serial No. 152,694. PUBLISHED MAY 13, 1924.

187,294. ICE CREAM. PEOPLE'S FUEL & SUPPLY CO., Chicago, Ill.
Filed February 10, 1922. Serial No. 159,176. PUBLISHED JUNE 26, 1923.

187,295. BOND PAPER FOR PRINTING, WRITING, AND WRAPPING PURPOSES. BLAKE, MCFALL COMPANY, Portland, Oreg.
Filed March 27, 1922. Serial No. 161,295. PUBLISHED AUGUST 22, 1922.

187,296. CIGARS: SIMON REESE, Sioux City, Iowa, assignor to P. Lorillard Co. Inc., New York, N. Y., a Corporation of New Jersey.
Filed May 16, 1922. Serial No. 163,947. PUBLISHED JULY 25, 1922.

187,297. POULTRY FOODS. THOS. SOUTHARD POULTRY SUPPLY CO., Kansas City, Mo.
Filed July 24, 1922. Serial No. 167,335. PUBLISHED MAY 13, 1924.

187,298. CANDIES AND CHEWING GUMS. MINT PRODUCTS CO. INC., Port Chester, N. Y., now by change of name Life Savers, Inc., a Corporation of New York.
Filed August 5, 1922. Serial No. 167,848. PUBLISHED MAY 13, 1924.

187,299. LIQUID-SOAP-DISPENSING SYSTEMS. WEST DISINFECTING COMPANY, New York, N. Y.
Filed December 12, 1922. Serial No. 173,264. PUBLISHED APRIL 24, 1923.

187,300. BISCUITS. TELFER BISCUIT CO. LIMITED, Toronto, Ontario, Canada.
Filed December 15, 1922. Serial No. 173,372. PUBLISHED MAY 13, 1924.

187,301. CERTAIN KNITTED, NETTED, AND TEXTILE FABRICS. LANSBURGH & BRO., INC., Washington, D. C.
Filed December 27, 1922. Serial No. 173,899. PUBLISHED MAY 13, 1924.

187,302. FACE POWDERS AND ROUGES. LIONEL TRADING CO. INC., New York, N. Y.
Filed January 2, 1923. Serial No. 174,084. PUBLISHED MAY 6, 1924.

187,303. INSECT DESTROYER OR DISINFECTANT. HILL'S MIXTURE CORPORATION, Augusta, Ga.
Filed January 4, 1923. Serial No. 174,170. PUBLISHED MAY 6, 1924.

187,304. LIQUID ABSORBENT TO PREVENT PROFUSE PERSPIRATION. WILLARD R. BATES, doing business as Smith & Bates, Owensboro, Ky.
Filed January 25, 1923. Serial No. 175,055. PUBLISHED MAY 6, 1924.

187,305. SHOES OF LEATHER AND OF LEATHER AND TEXTILE MATERIAL. NATHAN D. DODGE SHOE CO., Newburyport, Mass.
Filed February 14, 1923. Serial No. 176,014. PUBLISHED MAY 13, 1924.

187,306. SATINE GOODS IN THE PIECE. TITUS BLATTER & COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,247. PUBLISHED MAY 13, 1924.

187,307. SATINE GOODS IN THE PIECE. TITUS BLATTER & COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,250. PUBLISHED MAY 13, 1924.

187,308. PENS, PENCILS, PAPER, ETC. MACLEAN DRUG COMPANY, Chicago, Ill.
Filed April 7, 1923. Serial No. 178,758. PUBLISHED NOVEMBER 13, 1923.

187,309. CANDY. JOHN JAFFAS, Clinton, Iowa.
Filed April 11, 1923. Serial No. 179,004. PUBLISHED APRIL 8, 1924.

187,310. CERTAIN NAMED PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed April 14, 1923. Serial No. 179,176. PUBLISHED JUNE 12, 1923.

187,311. BRASS TUBES, COPPER TUBES, LOW-BRASS SEAMLESS TUBES, COPPER SEAMLESS TUBES, CONDENSER TUBES, BRAZED BRASS AND COPPER TUBES, AND NICKEL-SILVER SEAMLESS TUBES AND PHOSPHOR-BRONZE TUBES. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed May 16, 1923. Serial No. 180,681. PUBLISHED MAY 20, 1924.

187,312. NONFERROUS METALS AND ALLOYS IN CERTAIN FORMS. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed May 16, 1923. Serial No. 180,683. PUBLISHED MAY 20, 1924.

187,313. BOYS' SUITS FOR OUTER WEAR. HILLMAN'S, Chicago, Ill.
Filed June 6, 1923. Serial No. 181,597. PUBLISHED MAY 13, 1924.

187,314. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 8, 1923. Serial No. 181,679. PUBLISHED MAY 13, 1924.

187,315. FOOT REMEDY. JULIA E. WHITTIER, Seattle, Wash.
Filed June 13, 1923. Serial No. 181,968. PUBLISHED MAY 6, 1924.

187,316. CANNED TOMATOES. JOHN DE SCHIPPER, doing business as De Schipper Canning Company, Carthage, Ind.
Filed June 18, 1923. Serial No. 182,139. PUBLISHED MAY 20, 1924.

187,317. FOODS—NAMELY, BISCUITS. JOHN GERRIE NEIL, Dunedin, New Zealand.
Filed July 3, 1923. Serial No. 182,765. PUBLISHED MAY 13, 1924.

187,318. WATERPROOF GARMENTS—NAMELY, SPATS, BLOUSES, AND SHIRTS FOR SPORT AND ATHLETIC PURPOSES. THE DOMESTIC PRODUCTS CO., Dayton, Ohio.
Filed July 10, 1923. Serial No. 183,024. PUBLISHED MAY 13, 1924.

187,319. COFFEE. REPUBLIC COFFEE COMPANY, El Paso, Tex.
Filed July 11, 1923. Serial No. 183,086. PUBLISHED MAY 6, 1924.

187,320. NECKWEAR SUCH AS NECKTIES AND CRAVATS. DAVID PORTNER, doing business as Portner Knitting Mills, Philadelphia, Pa.
Filed July 14, 1923. Serial No. 183,228. PUBLISHED MAY 13, 1924.

187,321. HOSIERY. PECK & PECK, New York, N. Y. Filed July 18, 1923. Serial No. 183,404. PUBLISHED MAY 13, 1924.

187,322. SILK, ARTIFICIAL-SILK, AND WOOLEN PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 27, 1923. Serial No. 183,739. PUBLISHED MAY 13, 1924.

187,323. COMPLEXION BAGS, SHAMPOO, COLD CREAM, AND LOTION. KELNORE COMPANY, San Francisco, Calif. Filed July 31, 1923. Serial No. 183,882. PUBLISHED FEBRUARY 26, 1924.

187,324. BLOOMERS AND CORSETS. MINNIE SULLIVAN, doing business as Mary Brown Sidley & Co., Chicago, Ill. Filed August 29, 1923. Serial No. 185,160. PUBLISHED MAY 13, 1924.

187,325. STAPLING MACHINES, STAPLES, AND PARTS, AND ACCESSORIES FOR SUCH ARTICLES. THE COMPO CORPORATION, Westport, Conn. Filed September 28, 1923. Serial No. 186,316. PUBLISHED MAY 13, 1924.

187,326. FACIAL COLD CREAM. NICHOLAS MELONAS, Detroit, Mich. Filed October 10, 1923. Serial No. 186,798. PUBLISHED MAY 6, 1924.

187,327. CUTLERY, PARTICULARLY SAFETY RAZORS, SAFETY-RAZOR BLADES, MECHANICAL STROPPING DEVICE FOR RAZOR AND CORN-CUTTER BLADES, AND HAIR-CUTTING MACHINES. OTTO ROTH AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed November 5, 1923. Serial No. 188,024. PUBLISHED MAY 20, 1924.

187,328. SEWING MACHINES. H. GROSSMANN, Dresden, Germany. Filed November 19, 1923. Serial No. 188,549. PUBLISHED MAY 20, 1924.

187,329. HAIR TONIC, SHAMPOO CREAM, BEAUTY CLAY, AND OINTMENT, SAID OINTMENT USED FOR CUTS, SORES, BURNS, BRUISES, CHAPPED HANDS, PIMPLES, BOILS, ULCERS, AND SCROFULA. EUGENE H. WALLER, doing business as Akawalla Laboratories, Pittsburgh, Pa. Filed November 21, 1923. Serial No. 188,648. PUBLISHED MAY 6, 1924.

187,330. TOBACCO PIPES. ALFRED ORLIK, New York, N. Y. Filed November 30, 1923. Serial No. 189,067. PUBLISHED MAY 20, 1924.

187,331. HATS AND HAT LININGS FOR LADIES' AND MISSES' HATS. KAUFMANN & COMPANY, INC., Richmond, Va. Filed December 15, 1923. Serial No. 189,723. PUBLISHED MAY 13, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

187,332. (CLASS 12. CONSTRUCTION MATERIALS.) THE CELOTEX COMPANY, Chicago, Ill. Filed Mar. 5, 1924. Serial No. 193,270.

CELOTEX
INSULATING LUMBER

Particular description of goods.—Wall Boards and Similar Building Materials.
Claims use since Jan. 17, 1923.

187,333. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ULTRO CHEMICAL CORPORATION, New York, N. Y. Filed May 29, 1924. Serial No. 197,845.

Fire Red Toner

Particular description of goods.—Dry Color.
Claims use since January, 1922.

187,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed May 24, 1924. Serial No. 197,538.

$1000.00
GUARANTEED
OZO
WASTE PIPE
OPENER



Particular description of goods.—Waste Pipe, Drain Pipe, and Sink Opener and Cleaner.
Claims use since Aug. 18, 1910.

187,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS PHILIPPE, INC., New York, N. Y. Filed May 22, 1924. Serial No. 197,447.

ROUGE INCARNAT

Particular description of goods.—Rouges.
Claims use since 1912.

187,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAENGER DRUG COMPANY, INC., Shreveport, La. Filed Apr. 25, 1924. Serial No. 196,137.

SAENGER'S
ANTISEPTIC ECZEMA LOTION

Particular description of goods.—Preparation for Pimples, Dandruff, Ringworm, Tetter, Hives, Rash, Itch, and Mosquito Bites.
Claims use since Jan. 1, 1920.

187,337. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FORSTER AUTOMATIC POULTRY SEPARATOR CO., Berkeley, Calif. Filed Apr. 19, 1924. Serial No. 195,812.

AUTOMATIC
POULTRY
FORSTER
SEPARATOR

Particular description of goods. Automatic Poultry Separator.
Claims use since Mar. 1, 1923.

187,338. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FLOWER WASTE & PACKING COMPANY, Bayonne, N. J. Filed Apr. 19, 1924. Serial No. 195,811.

FLOWER JOURNAL PACKING
RESILIENT

Particular description of goods.—Journal-Box Packing.
Claims use since October, 1901.

187,339. (CLASS 12. CONSTRUCTION MATERIALS.) SAVAGE MOUNTAIN FIRE BRICK COMPANY, Frostburg, Md. Filed Jan. 23, 1924. Serial No. 191,588.

SAVAGE
MOUNTAIN

Particular description of goods.—Fire Brick.
Claims use since 1903.

187,340. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) C. TRAUTMAN & COMPANY, Cincinnati, Ohio. Filed Sept. 27, 1923. Serial No. 186,392.

COLUMBIA

Particular description of goods.—Leather.
Claims use since June 7, 1897.

187,341. (CLASS 12. CONSTRUCTION MATERIALS.) WHITESELLE BRICK & LUMBER COMPANY, Corsicana, Tex. Filed Sept. 13, 1923. Serial No. 185,772.

WHITESELLE
CHERRY REDS

Particular description of goods.—Brick.
Claims use since about 1915.

187,342. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Aug. 8, 1923. Serial No. 184,315.

MORTARMIX

Particular description of goods.—Cement for Mortar Especially Adapted for Use in Laying Refractory Brick and Tile.
Claims use since May 2, 1923.

187,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STRONG, CORB & COMPANY, Cleveland, Ohio. Filed July 14, 1923. Serial No. 183,239.

NoburN

Particular description of goods.—Preparations for Preventing Sunburn and Insect Bites.
Claims use since June 1, 1923.

187,344. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE EDDYSTONE MANUFACTURING COMPANY, Eddystone, Pa. Filed June 11, 1923. Serial No. 181,824.

STANDFAST

Particular description of goods.—Dyes.
Claims use since June 1, 1923.

187,345. (CLASS 30. MERCHANDISE NOT OTHERWISE CLASSIFIED.) U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Apr. 3, 1923. Serial No. 178,535.

STERLING

Particular description of goods.—Fly Swatters.
Claims use since on or about Jan. 1, 1923.

187,346. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HERBERT E. SKINNER, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 160,977.

PEERLESS

Particular description of goods.—Combined Hot-Water Heaters and Boilers.
Claims use since June, 1904.

187,347. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y., assignor to Voss & Stern, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1922. Serial No. 160,320.

La France Voile

Particular description of goods—Cotton Piece Goods.
Claims use since Feb. 14, 1921.

187,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y., assignor to Voss & Stern, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1922. Serial No. 160,317.

WEAR PROOF

Particular description of goods.—Silk Piece Goods.
Claims use since Feb. 14, 1921.

187,349. (CLASS 43. THREAD AND YARN.) MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Feb. 6, 1922. Serial No. 158,937.

GLENWOOD

Particular description of goods.—Threads.
Claims use since October, 1919.

187,350. (CLASS 43. THREAD AND YARN.) MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Feb. 6, 1922. Serial No. 158,935.

DURANT

Particular description of goods.—Threads.
Claims use since November, 1919.

187,351. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PEERLESS BELTING COMPANY, Gardenville, N. Y. Filed Feb. 20, 1922. Serial No. 159,608.



The lining on the border indicates the color red, and the lining on the figures indicates the color tan.
Particular description of goods.—Leather and Cotton Belting.
Claims use since Feb. 1, 1921.

187,352. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. J. F. TRUE & CO. INC., Auburn, Me. Filed Feb. 7, 1924. Serial No. 191,992.

THE TRUE FAMILY LAXATIVE
AND WORM EXPELLER

Particular description of goods.—Vermifuge and Remedies for Indigestion, Biliousness, Headache, Colds, and Diseases of the Stomach and Liver.
Claims use since Sept. 15, 1921.

187,353. (CLASS 15. OILS AND GREASES.) THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924. Serial No. 196,448.

KLEANMOTOR

Particular description of goods.—Lubricating Oils.
Claims use since June 1, 1919.

187,354. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STUART PRODUCTS CO. INC., New York, N. Y., and Jersey City, N. J. Filed Apr. 21, 1924. Serial No. 195,919.

STUART'S
STA-BLACK

Particular description of goods.—Stove Blacking.
Claims use since Jan. 10, 1920.

187,355. (CLASS 45. BEVERAGES, NONALCOHOLIC.) O'KEEFE'S BEVERAGES, LIMITED, Buffalo, and New York, N. Y., and Canton, Conn. Filed Mar. 17, 1924. Serial No. 193,951.

O'KEEFE'S

Particular description of goods.—Ginger Ale.
Claims use since about 1893.

187,356. (CLASS 15. OILS AND GREASES.) WAITE PHILLIPS COMPANY, Tulsa, Okla. Filed Jan. 14, 1924. Serial No. 190,821.



Particular description of goods.—Gasoline, Naphtha, Casing-Head Gasoline, Gas Oil, Fuel Oil, Furnace Distillate, Lubricating Oil and Greases.
Claims use since May 1, 1922.

187,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRANT ORCHARDS FRUIT GROWERS CO., Grant Orchards, Wash. Filed Oct. 10, 1923. Serial No. 186,785.

Columbia Basin

Particular description of goods.—Fresh Apples.
Claims use since June 1, 1923.

187,358. (CLASS 15. OILS AND GREASES.) WILLIAM H. MOULTON, doing business as Carbonite Manufacturing Co., Belleville, N. J. Filed Aug. 9, 1923. Serial No. 184,253.

RUSTOIL

Particular description of goods.—Lubricant for Automobile Springs.
Claims use since June 1, 1923.

187,359. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHOSPHO FOOD CO. INC., Los Angeles, Calif. Filed Aug. 4, 1923. Serial No. 184,097.

Barnes
Toasted
Wheat

Particular description of goods.—Cereal Breakfast Food.
Claims use since June 1, 1923.

187,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REYNOLDS PACKING COMPANY, Union City, Tenn. Filed June 9, 1923. Serial No. 181,777.

REELFOOT

Particular description of goods.—Sausages, Lard, Hams, and Breakfast Bacon.
Claims use since January, 1922.

187,361. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ESSEX COUNTY ICE CREAM & CONFECTIONERY COMPANY, INC., Port Henry, N. Y. Filed Feb. 7, 1923. Serial No. 175,655.

THE ESSEX COUNTY ICE CREAM & CONFECTIONERY CO., INC.
PREMIUM
PORT HENRY, NEW YORK.

Particular description of goods.—Butter and Ice Cream.
Claims use since Dec. 1, 1922.

187,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROMAN MEAL COMPANY, Tacoma, Wash., and North Tonawanda, N. Y. Filed Dec. 22, 1922. Serial No. 173,726.

ROMAN MEAL

Particular description of goods.—Bread, Biscuits, and Crackers.
Claims use since about fall of 1913.

187,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARRÉ & CIA., Buenos Aires, Argentina. Filed May 29, 1924. Serial No. 197,826.

SORRENTO
SORRENTO

Particular description of goods.—Butter and Cheese.
Claims use since Jan. 31, 1914.

187,364. (CLASS 39. CLOTHING.) SIGNAL SHIRT COMPANY, Racine, Wis. Filed May 26, 1924. Serial No. 197,625.

Tub TesT

Particular description of goods. Work Shirts and Overalls.
Claims use since November, 1918.

187,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIPPMAN BAKING COMPANY, Springfield, Mo. Filed May 19, 1924. Serial No. 197,285.

BEST-YET

Particular description of goods.—Bread and Cake.
Claims use since Mar. 1, 1923.

187,366. (CLASS 15. OILS AND GREASES.) THE FACTORY OIL COMPANY, Akron, Ohio. Filed May 2, 1924. Serial No. 196,449.

MORE POWER

Particular description of goods.—Gasoline.
Claims use since June 1, 1919.

LABELS

REGISTERED JULY 29, 1924.

27,649.—*Title:* FERNANDO GUARNERI EXCLUSIVO. For a Disk Record. FERNANDO GUARNERI, New York, N. Y. Published June 24, 1924.

27,650.—*Title:* HARRIS OILS AND GREASES—AMERICA'S LEADING LUBRICANTS. For Lubricating Oils and Greases. A. W. HARRIS OIL CO., Providence, R. I. Published May 19, 1924.

27,651.—*Title:* FRAPINE. For a Preparation for Use in Malted-Milk Drinks. B. HELLER & COMPANY, Chicago, Ill. Published June 16, 1924.

27,652.—*Title:* HU-TAN ELASTIC-ARCH SHOE. For Shoes. HUGHES & TANSEY INC., Boston, Mass. Published June 25, 1924.

27,653.—*Title:* LILY OF THE VALLEY. For Toilet Water. ALFRED J KRANK, St. Paul, Minn. Published May 19, 1924.

27,654.—*Title:* SKIN-HEALTH SOAP. For Toilet Soap. ALFRED J. KRANK, St. Paul, Minn. Published May 20, 1924.

27,655.—*Title:* PINE-TONIC. For a Shampoo. ALFRED J. KRANK, St. Paul, Minn. Published May 20, 1924.

27,656.—*Title:* HOME MADE CANDIES. For Candies. LOFT, INCORPORATED, New York, N. Y. Published June 23, 1924.

27,657.—*Title:* THANKSGIVING. For Oranges. ORANGE THORPE CITRUS ASSOCIATION, Fullerton, Calif. Published April 2, 1924.

27,658.—*Title:* CELEBRATION. For Oranges. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Published April 2, 1924.

27,659.—*Title:* ARBOR. For Oranges. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif. Published April 2, 1924.

27,660.—*Title:* ARMISTICE. For Oranges. ORANGETHORPE CITRUS ASSOCIATION, Fullerton Calif. Published April 2, 1924.

27,661.—*Title:* MAPLE LEAF SUGAR BUTTER. For Sugar Butter. E. E. POST CO. INC., Utica, N. Y. Published April 1, 1924.

27,662.—*Title:* PRATTLOW. For Canned Peaches. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published June 9, 1924.

27,663.—*Title:* PRATTLOW. For Canned Vegetables for Salad. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published June 10, 1924.

27,664.—*Title:* PANOMALT. For Pure Barley-Malt Extract. THE WANDER COMPANY, Chicago, Ill. Published May 10, 1924.

27,665.—*Title:* SWALLOWS. For Candy Boxes. CHAS. WEINHAGEN & Co., St. Paul, Minn. Published August 1, 1923.

27,666.—*Title:* DISCOVERY. For Candy Boxes. CHAS. WEINHAGEN & Co., St. Paul, Minn. Published August 1, 1923.

27,667. *Title:* WEST DOUBLE MESH HAIR NET. For Hair Nets. WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Published January 4, 1920.

27,668.—*Title:* WICKS' ALL AROUND RELIEF SALVE. For Jars Containing Medicinal Salve. WICKS PHARMACAL CO., Sparrows Point, Md. Published June 12, 1924.

27,669. *Title:* WICKS' ALL AROUND RELIEF SALVE. For Boxes Containing Jars of Medicinal Salve. WICKS PHARMACAL CO., Sparrows Point, Md. Published June 12, 1924.

PRINTS

REGISTERED JULY 29, 1924.

7,505.—*Title:* THE SPIRIT OF 1924. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 18, 1924.

7,506.—*Title:* DAINTY NEW DESSERTS THAT DO NOT TAX DIGESTION. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 20, 1924.

7,507.—*Title:* JOHNNY GINGER SAYS: DRINK EMERSON'S GINGER-MINT JULEP. For Beverages. EMERSON DRUG COMPANY, Baltimore, Md. Published May 31, 1924.

7,508.—*Title:* AT THE THEATER. For Estey Pipe Organs. THE ESTEY ORGAN COMPANY, Brattleboro, Vt. Published June 15, 1924.

7,509.—*Title:* K (WITH A REPRESENTATION OF THE KING OF DIAMONDS). For Diamonds. HELFER BROS. CO., Pittsburgh, Pa. Published May 15, 1924.

7,510.—*Title:* A WESTERN INSTITUTION—THAT CUP OF WONDERFUL COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 13, 1924.

7,511.—*Title:* A DISTINGUISHED COFFEE MEETS MANY DISTINGUISHED PEOPLE. For Coffee. HILLS BROS., San Francisco, Calif. Published June 6, 1924.

7,512.—*Title:* THE GLORIOUS WEST LOVES HER GLORIOUS COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published April 4, 1924.

7,513.—*Title:* HILLS BROS. COFFEE GREW UP WITH THE WEST. For Coffee. HILLS BROS., San Francisco, Calif. Published March 28, 1924.

7,514.—*Title:* "IN ALL THE WORLD, NO COFFEE LIKE THIS!" For Coffee. HILLS BROS., San Francisco, Calif. Published June 10, 1924.

7,515.—*Title:* THE SUN RISES IN THE WEST UPON A CUP OF COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 30, 1924.

7,516.—*Title:* WHY SHOULDN'T THE WEST BE PROUD OF ITS COFFEE? For Coffee. HILLS BROS., San Francisco, Calif. Published April 8, 1924.

7,517.—*Title:* THE SPIRIT OF THE WEST IS IN EVERY STEAMING CUP. For Coffee. HILLS BROS., San Francisco, Calif. Published March 11, 1924.

7,518.—*Title:* 29 YEARS AFTER THE GOLD RUSH CAME HILLS BROS. RED CAN COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 25, 1924.

7,519.—*Title:* THIS FRAGRANT NUT-BROWN BREW THE WEST CLAIMS AS ITS OWN. For Coffee. HILLS BROS., San Francisco, Calif. Published May 18, 1924.

7,520.—*Title:* EVERY STEAMING CUP IS AN INSISTENT INVITATION. For Coffee. HILLS BROS., San Francisco, Calif. Published March 21, 1924.

7,521.—*Title:* FROM FAR-OFF OLD WORLD CAPITALS COME CALLS FOR THIS COFFEE OF THE WEST! For Coffee. HILLS BROS., San Francisco, Calif. Published May 15, 1924.

7,522.—*Title:* AMONG THE GLORIES OF THE WEST, NOT THE LEAST IS SUPERB COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 7, 1924.

7,523.—*Title:* THERE'S A HEARTY WESTERN WELCOME IN THAT CUP OF HILLS BROS. COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 27, 1924.

7,524.—*Title:* WHEN EAST MEETS WEST, IT REMEMBERS THE COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 20, 1924.

7,525.—*Title:* BACK EAST THEY TELL OF SCENIC GRANDEUR AND "WONDERFUL WESTERN COFFEE!" For Coffee. HILLS BROS., San Francisco, Calif. Published March 2, 1924.

7,526.—*Title:* FROM THE WEST'S HOMES OF WEALTH AND DISCRIMINATION COMES A TRADITION OF WONDERFUL COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published May 4, 1924.

7,527.—*Title:* DRINK HILLS BROS RED CAN COFFEE, AND THE WHOLE COFFEE-LOVING WEST DRINKS WITH YOU! For Coffee. HILLS BROS., San Francisco, Calif. Published March 5, 1924.

7,528.—*Title:* WHEN WESTERN HOSPITALITY FIRST BECAME A TRADITION. For Coffee. HILLS BROS., San Francisco, Calif. Published May 8, 1924.

7,529.—*Title:* WHIPPED JELL-O. For a Dessert Preparation. THE JELL-O COMPANY, INC., Leroy, N. Y. Published June 25, 1924.

7,530.—*Title:* ALPHABETS. For Crackers. NATIONAL BISCUIT COMPANY, New York, N. Y. Published June 10, 1924.

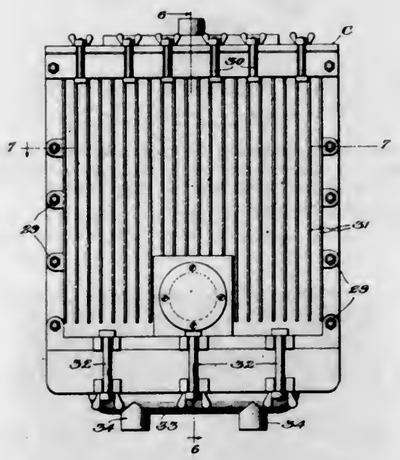
7,531.—*Title:* YOU'LL HAVE BETTER LUCK WITH HORSESHOES. For Tires. THE RACINE HORSESHOE TIRE COMPANY, Racine, Wis. Published June 20, 1924.

7,532.—*Title:* TOLHURST EXTRACTORS. For Centrifugal Extractors. TOLHURST MACHINE WORKS, Troy, N. Y. Published January 10, 1924.

REISSUES

JULY 29, 1924.

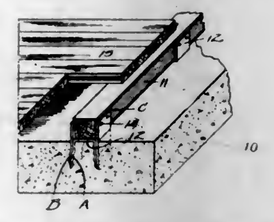
15,880. OZONE GENERATOR. HARRY BUXTON HARTMAN, Scottdale, Pa., assignor to Electric Water Sterilizer & Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed June 1, 1923. Serial No. 642,879. Original No. 1,436,251, dated Nov. 21, 1922, Serial No. 507,039, filed Oct. 11, 1921. 26 Claims. (Cl. 204—32.)



1. The combination with a casing having an air inlet and an ozone outlet, of an ozone generating unit consisting of a pair of dielectric members and intermediate electrode arranged in spaced relation and supported in said casing to provide a straight flow of air from said inlet to said generating unit and for providing a continued straight flow of the resultant ozone to said outlet.

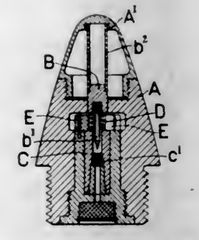
15,881. CONCRETE AND WOOD FLOOR CONSTRUCTION DEVICE. CLYDE W. PRICKETT, Winterset, Iowa. Filed Sept. 23, 1922. Serial No. 589,990. Original No. 1,381,740, dated June 14, 1921, Serial No. 421,020, filed Nov. 1, 1920. 6 Claims. (Cl. 72—101.)

4. A clip comprising a body portion adapted to rest upon the surface of a concrete bed, downwardly extending prongs for insertion into the concrete and oppositely



disposed, permanently attached extensions for embracing a sleeper.

15,882. PERCUSSION FUSE. VALENTIN SCHLÄFER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 9, 1921. Serial No. 443,705. Original No. 1,366,499, dated Jan. 25, 1921, Serial No. 408,405, filed Sept. 4, 1920. 5 Claims. (Cl. 102—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

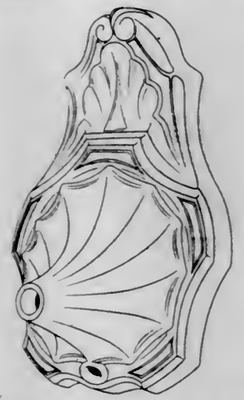


3. A fuse for projectiles comprising a body, a rammer, two firing parts, one of which is carried by the rammer, a compressible cap rigidly attached to said body and permanently covering said rammer, and a safety device having locking means normally extending between said firing parts for preventing accidental firing movement of the rammer and adapted to automatically release the rammer after firing; the rammer, when released from said locking means, being so easily movable in the direction of firing, that it remains in position during flight only when covered by said compressible cap against air pressure.

DESIGNS

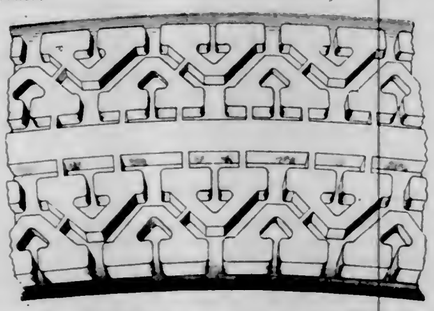
JULY 29, 1924.

65,317. BASE FOR LAMPS OR THE LIKE. FRANK ADAMAC, Laurelton, N. Y., assignor to Rudolph Felix, New York, N. Y., doing business as The Ovalite Company. Filed May 16, 1924. Serial No. 9,628. Term of patent 3½ years.



The ornamental design for a base for lamps or the like substantially as shown.

65,318. PNEUMATIC-TIRE TREAD. HARRY S. BERLIN, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 23, 1923. Serial No. 5,917. Term of patent 14 years.



The ornamental design for a pneumatic tire tread as shown.

65,319. TOY AUTO CIRCUS CALLIOPE. LEWIS SHARPS BIXLER, Kenton, Ohio, assignor to Kenton Hardware Co., Kenton, Ohio, a Corporation of Ohio. Filed Mar. 25, 1924. Serial No. 9,065. Term of patent 14 years.



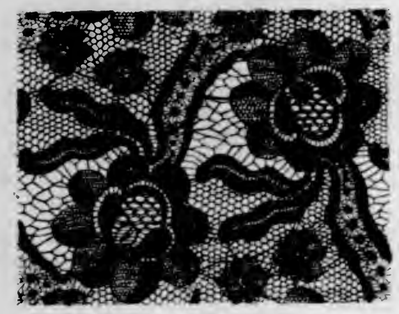
The ornamental design for a toy auto circus calliope, as shown.

65,320. TOY AUTO CIRCUS ANIMAL CAGE. LEWIS SHARPS BIXLER, Kenton, Ohio, assignor to Kenton Hardware Co., Kenton, Ohio, a Corporation of Ohio. Filed Mar. 25, 1924. Serial No. 9,066. Term of patent 14 years.



The ornamental design for a toy auto circus animal cage, as shown.

65,321. LACE. BERNARD W. BLORE, Norwalk, Conn., assignor to Connecticut Lace Works, Inc., a Corporation of Connecticut. Filed May 28, 1924. Serial No. 9,725. Term of patent 7 years.



The ornamental design for lace as shown.

65,322. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,734. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,323. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,736. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,324. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 5,760. Term of patent 14 years.



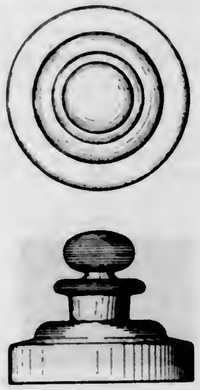
The ornamental design for a textile fabric, as shown.

65,325. CHARM. ABRAHAM J. BROWN, Reading, Pa. Filed Oct. 8, 1923. Serial No. 7,430. Term of patent 7 years.



The ornamental design for a charm, as shown.

65,326. INKSTAND. DANIEL C. CAHALANE, Hillsdale, N. J. Filed July 21, 1923. Serial No. 6,816. Term of patent 14 years.



The ornamental design for an inkstand, as shown and described.

65,327. COSMETIC JAR. GEORGE R. COLLINS, Chicago, Ill. Filed May 19, 1924. Serial No. 9,652. Term of patent 14 years.



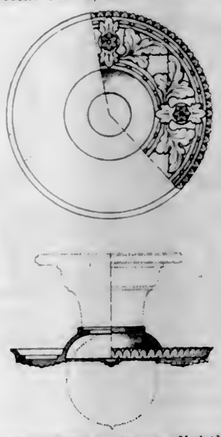
The ornamental design for a cosmetic jar as shown.

65,328. LIGHTING-FIXTURE PART. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Rogers Silver Plate Co., a Corporation of Connecticut. Filed Mar. 24, 1924. Serial No. 9,050. Term of patent 7 years.



The ornamental design for a lighting fixture part substantially as shown.

65,329. LIGHTING-FIXTURE PART. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Rogers Silver Plate Co., a Corporation of Connecticut. Filed Mar. 24, 1924. Serial No. 9,051. Term of patent 7 years.



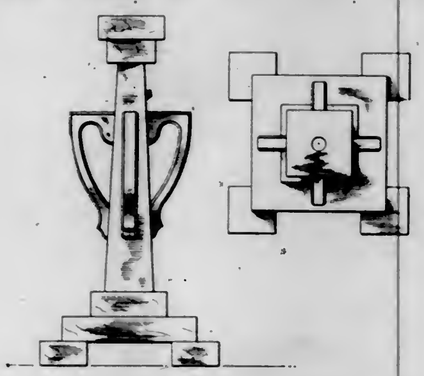
The ornamental design for a lighting fixture part substantially as shown.

65,330. RING. CHARLES J. DIEGES, New York, N. Y., assignor to Dieges & Clust, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1924. Serial No. 9,070. Term of patent 3½ years.



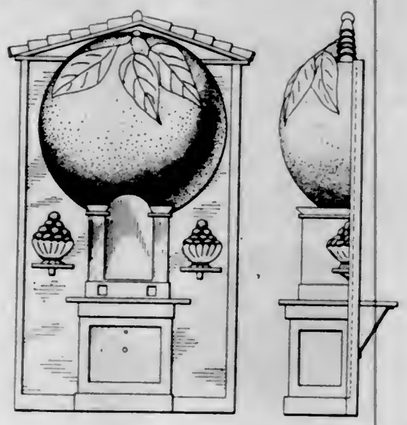
The ornamental design for a ring, as shown.

65,331. LAMP PEDESTAL. WILLIAM H. ERROCK, Alton Bay, N. H. Filed Mar. 12, 1924. Serial No. 8,905. Term of patent 7 years.



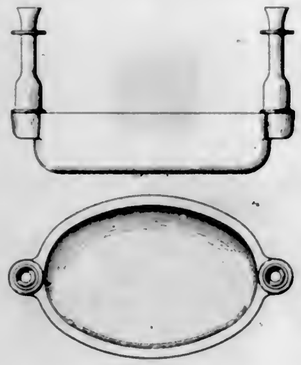
The ornamental design for a lamp pedestal, as shown.

65,332. DISPLAY STAND. JAMES FAZIO, Venice, Calif. Filed Jan. 2, 1924. Serial No. 8,222. Term of patent 7 years.



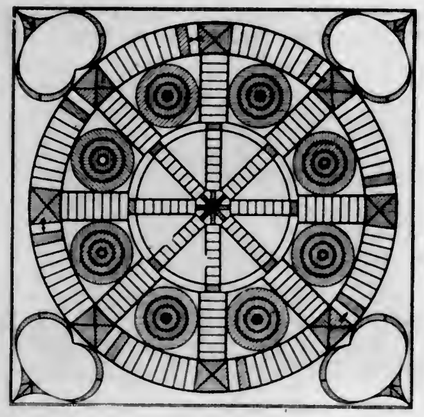
The ornamental design for a display stand, as shown.

65,333. CONSOLE SET. ALBERT B. FISCHER, Atco, N. J. Filed Feb. 19, 1924. Serial No. 8,678. Term of patent 7 years.



The ornamental design for a console set, as shown.

65,334. GAME BOARD. JACK GERBERHOLTZ, Brooklyn, N. Y. Filed Nov. 1, 1923. Serial No. 7,641. Term of patent 3½ years.



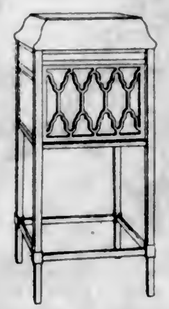
The ornamental design for a game board, as shown.

65,335. LACE TRIMMING. HENRY F. GOLDSMITH, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 6, 1924. Serial No. 9,494. Term of patent 7 years.



The ornamental design for lace trimming, as shown and described.

65,336. PHONOGRAPH CABINET. OTTO J. HAARLANDER, South Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Oct. 25, 1922. Serial No. 4,094. Term of patent 14 years.



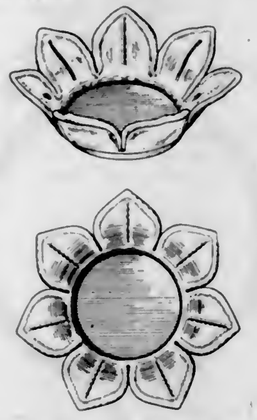
The ornamental design for a phonograph cabinet as shown.

65,337. PHONOGRAPH CABINET. OTTO J. HAARLANDER, South Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Oct. 25, 1922. Serial No. 4,095. Term of patent 14 years.



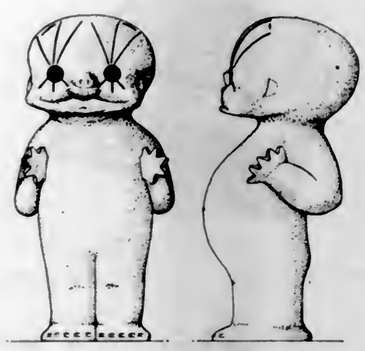
The ornamental design for a phonograph cabinet as shown.

65,338. BOWL OR SIMILAR ARTICLE. GUSTAV A. HORN, Jeannette, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed May 8, 1924. Serial No. 9,524. Term of patent 3½ years.



The ornamental design for a bowl or similar article, as shown.

65,339. DOLL STATUETTE. MARGUERITE HUGHES, Johnson City, Tenn. Filed Mar. 10, 1924. Serial No. 8,895. Term of patent 3½ years.



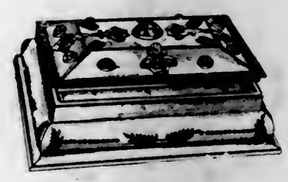
The ornamental design for a doll statuette, as shown.

65,340. CONFECTIONERY BOX. ALVIN P. JOHNSON, Swampscott, Mass. Filed May 21, 1924. Serial No. 9,676. Term of patent 14 years.



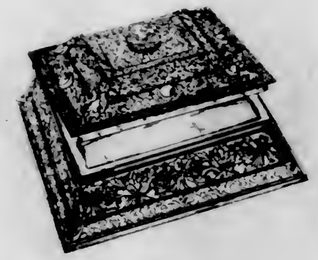
The ornamental design for a confectionery box as shown and described.

65,341. JEWELRY BOX. MAURICE J. KARPELES, Providence, R. I. Filed June 18, 1924. Serial No. 9,895. Term of patent 14 years.



The ornamental design for a jewelry box, as shown.

65,342. JEWELRY BOX. MAURICE J. KARPELES, Providence, R. I. Filed June 17, 1924. Serial No. 9,887. Term of patent 14 years.



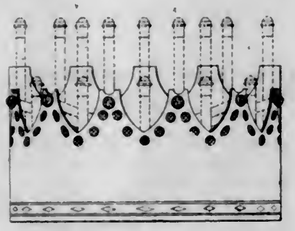
The ornamental design for a jewelry box, as shown.

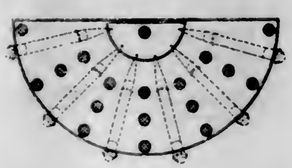
65,343. BADGE OR SIMILAR ARTICLE. LUCIUS L. KINNER, Ocean Park, Calif. Filed Mar. 1, 1923. Serial No. 5,336. Term of patent 14 years.



The ornamental design for a badge or similar article, as shown.

65,344. DISPLAY STAND FOR PENCILS. ERWIN C. KUBLER, Springfield, N. Y., assignor to American Lead Pencil Company, a Corporation of New York. Filed Nov. 27, 1922. Serial No. 4,407. Term of patent 3½ years.





The ornamental design for a display stand for pencils, as shown.

65,345. RAG DOLL. ELSIE DINSMORE LANDFEAR, Jersey City, N. J. Filed May 24, 1924. Serial No. 9,703. Term of patent 3½ years.



The ornamental design for a rag doll as shown.

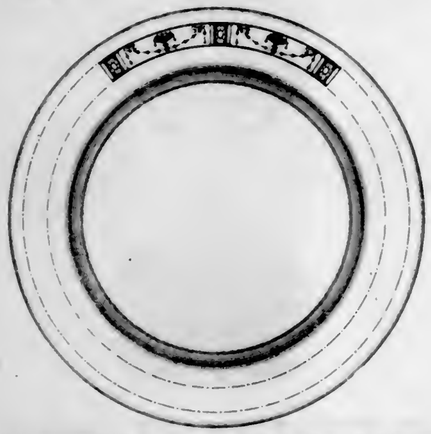
65,346. FINGER RING. LUCIEN E. LIVSEY, Brooklyn, N. Y., assignor to Barnett Esh, operating under the name of Kaspar & Esh, New York, N. Y. Filed May 27, 1924. Seral No. 9,715. Term of patent 3½ years.





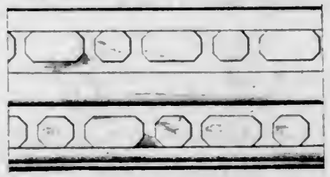
The ornamental design for finger ring, as shown.

65,347. PLATE OR SIMILAR ARTICLE. RANDOLPH E. LUKENS, Syracuse, N. Y., assignor to Iroquois China Company, Syracuse, N. Y., a Corporation of New York. Filed May 13, 1924. Serial No. 9,579. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

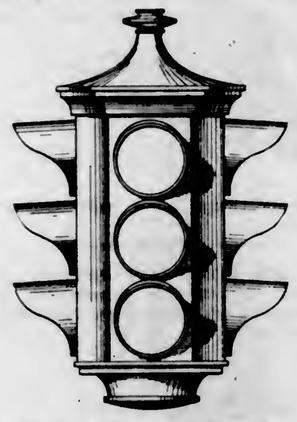
65,348. NONSKID TIRE. HARRY MCCREARY, Indiana, Pa. Filed Feb. 20, 1923. Serial No. 5,228. Term of patent 3½ years.





The ornamental design for a non-skid tire, as shown.

65,349. TRAFFIC LIGHT. LOREN W. MCOMBER, Peoria, Ill. Filed Dec. 12, 1923. Serial No. 8,001. Term of patent 14 years.



The ornamental design for a traffic light, as shown.

65,350. PLAYING CARD. HENRY READ, Denver, Colo., assignor to Barnwell S. Stuart, Denver, Colo. Filed Mar. 28, 1924. Serial No. 9,094. Term of patent 14 years.



The ornamental design for a playing card, as shown.

65,351. WATCHCASE. JAMES REICHENBERG, London, England. Filed May 28, 1924. Serial No. 9,732. Term of patent 7 years.



Front View.



Side View.

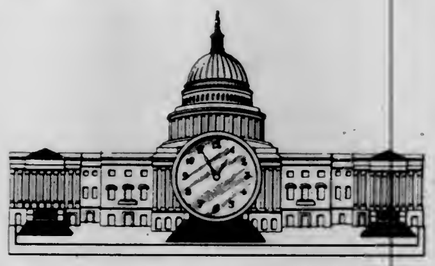
The ornamental design for a watchcase, as shown.

65,352. PENCIL. JESSE E. ROACH, Los Angeles, Calif. Filed Apr. 25, 1923. Serial No. 5,939. Term of patent 14 years.



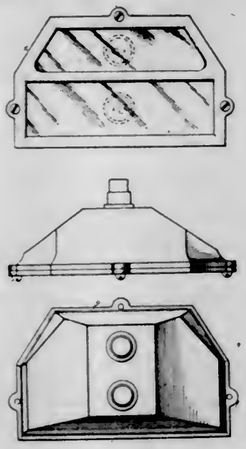
The ornamental design for a pencil as shown.

65,353. CLOCK CASE. MORRIS SALINGER, Brooklyn, N. Y., assignor, by mesne assignments, to Pauline Salinger, New York, N. Y. Filed Mar. 10, 1921. Serial No. 451,302. Term of patent 14 years.



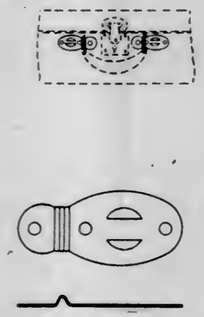
The ornamental design for a clock case as shown.

65,354. SIGNAL-LIGHT CASING. WALTER E. SHETTLEMORE, Chicago, Ill. Filed June 6, 1924. Serial No. 9,811. Term of patent 14 years.



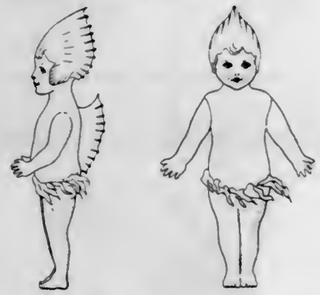
The ornamental design for a signal light casing, as shown.

65,355. ATTACHING PLATE FOR SUITCASES OR SIMILAR ARTICLES. MAURICE B. SHWAYDER, Denver, Colo. Filed May 27, 1921. Serial No. 473,151. Term of patent 7 years.



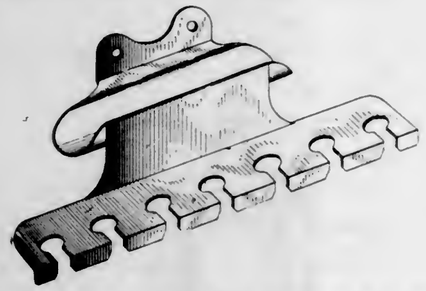
The ornamental design of an attaching plate for suitcases or similar articles as shown.

65,356. DOLL. MILDRED K. SMITH, Mount Vernon, N. Y., assignor of one-half to Lillian Wilhelm Robertson, Scottsdale, Ariz. Filed Apr. 11, 1923. Serial No. 5,779. Term of patent 14 years.



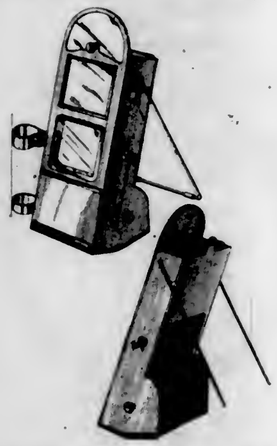
The ornamental design for doll, substantially as shown.

65,357. TOOTHBRUSH AND PASTE HOLDER. LOUIS G. STRNAD, Chicago, Ill. Filed May 21, 1924. Serial No. 9,672. Term of patent 14 years.



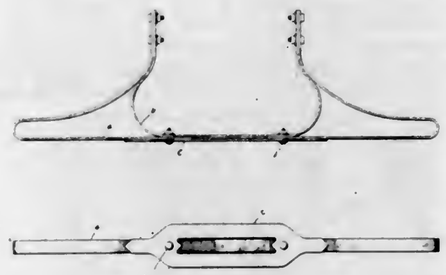
The ornamental design for a toothbrush and paste holder, as shown.

65,358. TELEPHONE ATTACHMENT CASING. GEORGE TOLK and ALVIN H. ROSENBAUM, Brooklyn, N. Y. Filed Jan. 18, 1924. Serial No. 8,342. Term of patent 3½ years.



The ornamental design for a telephone attachment casing as shown.

65,359. AUTOMOBILE BUMPER. FRANK TOMASEK, Chicago, Ill. Filed Aug. 18, 1922. Serial No. 3,437. Term of patent 14 years.



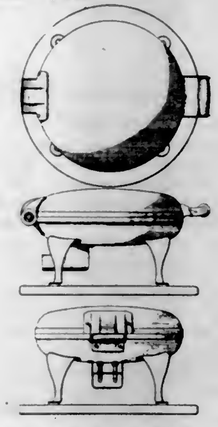
The ornamental design for an automobile bumper as shown and described.

65,360. LANTERN. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., Newark, N. J., a Copartnership composed of William Goldberg and Abe Goldberg. Filed Mar. 19, 1924. Serial No. 8,998. Term of patent 7 years.



The ornamental design for a lantern, as shown.

65,361. WAFFLE IRON. GEORGE F. WELLS, San Francisco, Calif. Filed Feb. 27, 1922. Serial No. 921. Term of patent 7 years.



The ornamental design for a waffle iron, substantially as shown.

65,362. MONOGRAM MEDALLION RING. CHARLES T. WITTSTEIN and FRANCIS H. WITTSTEIN, Newark, N. J. Filed May 29, 1924. Serial No. 9,749. Term of patent 14 years.



The ornamental design for a monogram medallion ring, as shown.

65,363. COMBINATION WASHCLOTH AND DOLL. MABEL WYNN, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 8,623. Term of patent 3½ years.



The ornamental design for a combination washcloth and doll, as shown.

PATENTS

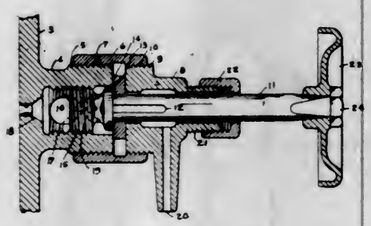
GRANTED JULY 29, 1924.

1,502,649. SPRING COVER FOR AUTOMOBILES. OSCAR F. ANDERSON, Somerville, Mass., assignor to Anderson Manufacturing Company, Everett, Mass., a Corporation of Massachusetts. Filed Nov. 17, 1923. Serial No. 675,305. 4 Claims. (Cl. 267—37.)



1. A cover for an automobile spring comprising a top section for covering the top of the spring, two side sections secured to the opposite edges of said top section and adapted to cover the opposite sides of the spring, said sections being made of relatively non-elastic sheet material and the joined longitudinal edges of said top and side sections being shaped to form a lateral enlargement in the cover to fit over the rebound clip of the spring, and fastening means for holding said cover on a spring.

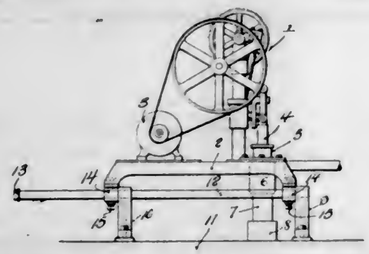
1,502,650. GAUGE COCK. WILLIAM OLIVER ASHE, Yonkers, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a Corporation of New York. Original application filed June 16, 1921, Serial No. 477,872. Divided and this application filed Sept. 12, 1922. Serial No. 587,830. 7 Claims. (Cl. 251—22.)



4. In a gauge cock having a body and a spindle the combination of a service valve carried by the spindle and a seat for said valve on the inner side of the body, a tapered valve seat in a water column, and an emergency valve comprising a ball shaped member on the inner end of the spindle adapted to seat in said tapered valve seat in said water column.

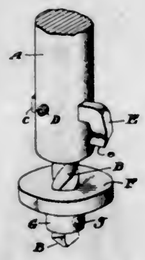
1,502,651. MOUNTING FOR DEEP-WELL-PUMP HEADS. JOHN I. ASTROM, Fort Wayne, Ind., assignor to Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. Filed Sept. 6, 1922. Serial No. 586,548. 2 Claims. (Cl. 103—218.)

1. The combination of a mounting comprising stationary supporting members, a pair of parallel elongated slide ways carried thereby, a bed plate carried by said slide ways, a pump head rigidly attached to said bed plate, a water head having a flange adapted to overlap



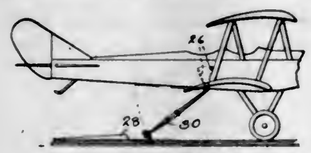
said bed plate when such bed plate is in one position of adjustment, and means for temporarily rigidly locking said flange to said bed plate.

1,502,652. METAL-BORING TOOL. FLETCHER F. BABCOCK, Parsons, Kans. Filed Jan. 25, 1923. Serial No. 614,780. 1 Claim. (Cl. 77—69.)



A tool adapted to be used interchangeably for reaming a previously formed hole or for boring a hole and a groove surrounding the hole comprising a tool holder carrying a centrally arranged boring bit, an adjustable L-shaped cutter carried by the tool holder adapted to cut a groove around the bit, a removable pilot ring loosely mounted on the bit and a collar detachably connected with the bit below the ring and which is adjustable vertically thereon to hold the ring at the desired elevation.

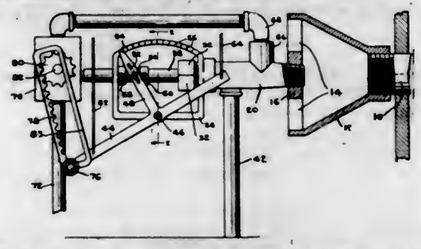
1,502,653. AIRCRAFT-ARRESTING DEVICE. ROBERT E. BASSLER, Brooklyn, N. Y. Filed Jan. 30, 1923. Serial No. 615,853. 22 Claims. (Cl. 244—2.)



22. In an apparatus of the character described, in combination, a platform provided with longitudinal slots, devices mounted in said slots, a portion of each device

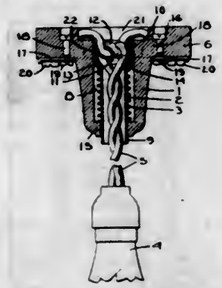
projecting from the slots to engage an aircraft on landing, said devices being normally free to move along said slot with the aircraft, and means for applying a friction force opposing the movement of said devices.

1,502,654. DEVICE FOR CONTROLLING THE FLOW OF GASES. THOMAS R. BLANCHARD, Minneapolis, Minn., assignor, by mesne assignments, to The Airgas Burner Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 20, 1923. Serial No. 681,754. 6 Claims. (Cl. 158—119.)



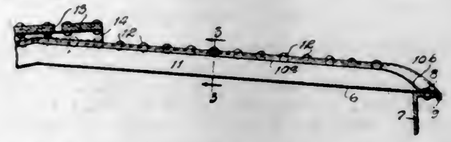
1. A device for controlling the flow of gases comprising a tubular member containing a chamber and a tapered bore leading from the front of said chamber, a gas supply pipe leading into said chamber, a tapered plunger valve in said bore, a frame member to which the rear end of said tubular member is secured, a rod to which said valve is attached in axial alinement therewith, said rod extending slidably through said frame member and through the rear end of said tubular member, a lever pivoted to said frame member, an arm extending from said lever and operatively connected to said rod, and operating cables attached to said lever.

1,502,655. CEILING ROSETTE. WRIGHT BOLTON, Jr., New Bedford, and NORMAN M. PAULL, Fairhaven, Mass. Filed Nov. 12, 1923. Serial No. 674,122. 1 Claim. (Cl. 240—90.)



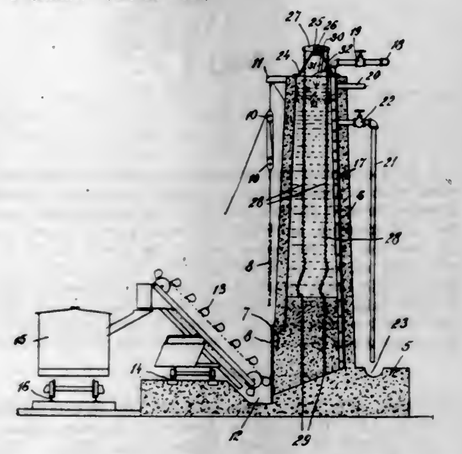
In an electric light fixture, the combination with an electric lamp of a ceiling rosette comprising a depending apertured boss, a flange projecting inwardly from the wall of the aperture near the lower end of the boss forming a reduced orifice, an insulating sleeve within the aperture having an elongated shell formed of light material and of uniform diameter to permit its passing through said orifice and an enlarged head forming a part of the shell and adapted to fit and move within the aperture, said head having a chamber communicating with the interior of the shell and presenting a shoulder on its lower side, a coiled spring surrounding said shell and bearing at one end against the flange and at the other end against the shoulder resiliently to support the sleeve, and conducting wires for conveying electric current to the lamp, said wires being fastened to the lamp to support the lamp and twisted to form a knot of a size to lie and be retained within the chamber of the head whereby the lamp is resiliently supported by the wires.

1,502,656. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1922. Serial No. 598,325. 8 Claims. (Cl. 108—54.)



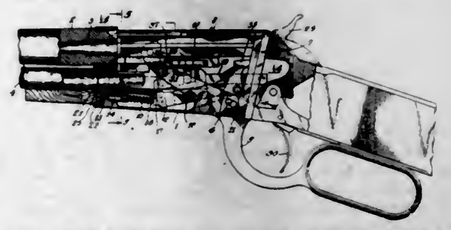
6. A car roof comprising a plurality of roof sheets whose side marginal portions are connected by seams of substantially L-shaped section at the ridge and of substantially channel-shaped section adjacent to the eaves.

1,502,657. APPARATUS FOR TREATING PULPS. WALTER O. BORCHERDT, Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Original application filed June 4, 1919, Serial No. 301,833. Divided and this application filed Jan. 27, 1923. Serial No. 615,245. 8 Claims. (Cl. 83—82.)



1. An apparatus for the treatment of pulps comprising a tank relatively deep as compared with its other dimensions, and adapted to contain a pulp, movable means longitudinally disposed within the tank and extending throughout substantially its entire depth for effecting a gentle disturbance throughout the entire depth of pulp in the tank, and means permitting the separate removal from the tank of the settled solid particles and the supernatant liquor.

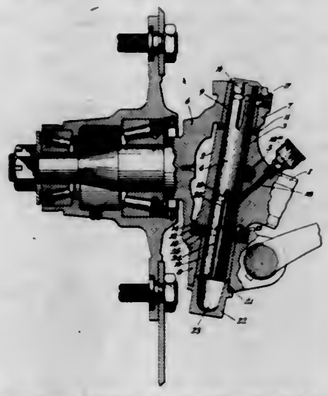
1,502,658. FIREARM. JOHN M. BROWNING, Ogden, Utah. Filed May 21, 1920. Serial No. 383,063. 17 Claims. (Cl. 42—17.)



1. In firearm adapted to be used with cartridges of different calibers, a receiver provided with a loading-opening through which the firearm is charged with cartridges, a loading-trap in said opening for maintain-

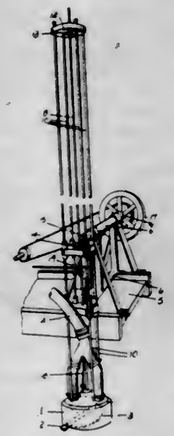
ing the loading-opening closed when the firearm is in operation, a stop for limiting rearward movement of a cartridge of one caliber when the action is locked, and an auxiliary stop for positively limiting the rearward movement of a cartridge of different caliber.

1,502,659. LUBRICATION OF AUTOMOTIVE VEHICLE KNUCKLES. GUSTAV W. CARLSON, Cleveland, Ohio, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 11, 1923. Serial No. 679,907. 7 Claims. (Cl. 64—27.)



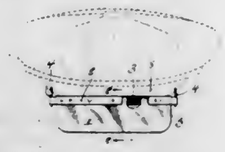
1. In a device of the character described, an axle provided with a steering knuckle pivot, a steering knuckle mounted on said pivot, a thrust washer between said axle and said knuckle, said knuckle being provided with an oil reservoir at the lower end of the pivot, means for supplying oil to the reservoir from a point above the level of said thrust washer, and means of communication between said reservoir and said thrust washer such that said thrust washer may be lubricated from said reservoir by splash when the oil level is below said thrust washer.

1,502,660. MACHINE FOR MINING OR RECOVERING MARL AND THE LIKE. JOSEPH F. CARNES, Ceresco, and JOSEPH F. HALDER, Battle Creek, Mich. Filed Oct. 8, 1921. Serial No. 506,431. 6 Claims. (Cl. 37—67.)



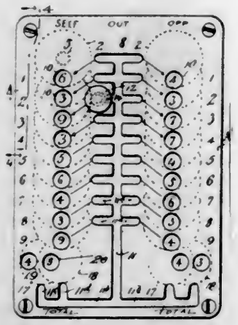
1. In a structure of the class described, the combination of a head provided with an impeller, an impeller shaft, a bed member, a supporting frame mounted on said bed member and provided with laterally projecting horizontally spaced plate-like brackets, bearing members in which said shaft is longitudinally slidable carried by said brackets, supporting rods on which said head is mounted, said brackets being provided with slide bearings for said rods, a spider connecting the upper ends of said supporting rods, said spider carrying a bearing in which the shaft is longitudinally slidable, a beveled driven gear mounted above the upper bracket and having splined driving engagement with said shaft, a jack shaft on said frame provided with a gear meshing with said gear on said impeller shaft, a pulley on said frame, and a cable connected to said head and arranged over said pulley whereby the head may be raised and lowered.

1,502,661. EYESHIELD. PAUL A. FIEBER, Baraboo, Wis. Filed Sept. 30, 1922. Serial No. 591,515. 2 Claims. (Cl. 2—10.)



1. An eye-shield adapted to be attached to the visor of a cap comprising a transparent member having a reinforcing upper edge terminating in loops, and attaching clips adapted to grip the visor and having a vertical portion passing through said loops to form a hinged joint therewith, whereby said clips may be folded flat against said transparent member.

1,502,662. GAME-SCORE REGISTER. DE WITT FOX, New York, N. Y. Filed Jan. 6, 1923. Serial No. 610,991. 14 Claims. (Cl. 235—113.)

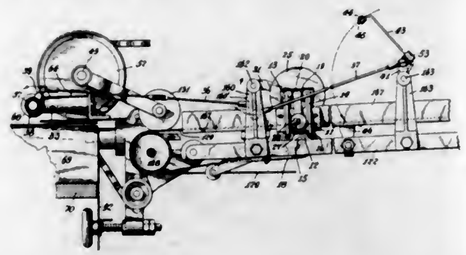


1. A register comprising a series of longitudinally disposed number indicators, a manually rotative member movable independently of said indicators, said indicators and member having cooperative means for actuating each of the former independently by the latter, and means to guide said member longitudinally along and laterally to said indicators.

1,502,663. FEED-INTERRUPTING MECHANISM FOR PAPER-FEEDING MACHINES. LEONARD JOSEPH FROHN, Lynbrook, N. Y. Filed Oct. 6, 1921. Serial No. 505,727. 25 Claims. (Cl. 271—47.)

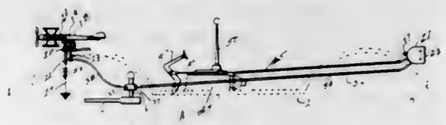
1. In a paper-feeder, a paper support, a suction feeding device to successively withdraw the top sheet only from the support, means for advancing the withdrawn

sheets, and means to cut off the suction from said feeding device and to check the delivery of sheets independ-



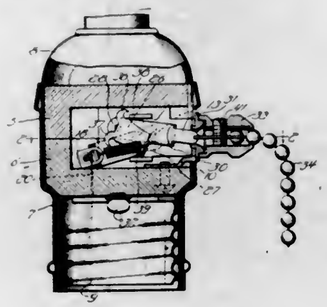
ently of the movement of said advancing means when two or more sheets are withdrawn and advanced in superposed or overlapping relationship.

1,502,664. DIRECTION SIGNAL. CHARLES A. FRUITT, Walla Walla, Wash. Filed June 2, 1923. Serial No. 642,905. 3 Claims. (Cl. 116—36.)



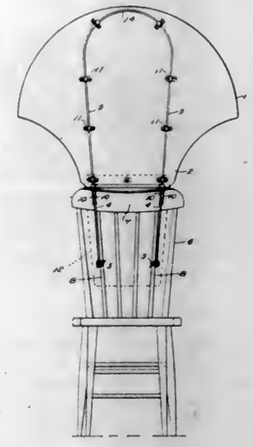
1. In a direction signal, a case, a reflector positioned in the back of said case, and provided with an illuminating means, a pair of indicating cylinders positioned parallel to each other, and rotatably mounted in said case, each of said cylinders being provided with a plurality of transparent indicating characters, and means for rotating each cylinder independent of the other.

1,502,665. SWITCH. DAVID D. GORDON, Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Sept. 19, 1919. Serial No. 324,821. 6 Claims. (Cl. 173—354.)



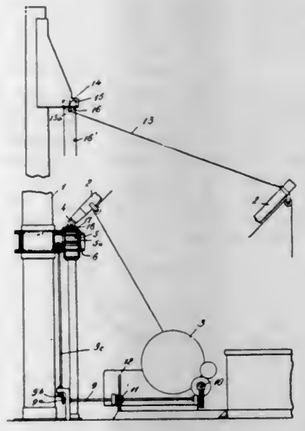
6. A switch mechanism including an oscillating contact member comprising a pair of arms having insulated forked pivotal ends and a connecting portion, a pivot stud, a contact member, means carrying said contact member extending through said connecting portion, and a spring connected with said means for operating the arm, holding the forked end and pivot stud in cooperative relation and yieldingly supporting said contact member.

1,502,666. SOUNDING BOARD. BARTHOLOMEW E. GRADY, Jr., Somerville, Mass. Filed Feb. 16, 1923. Serial No. 619,534. 3 Claims. (Cl. 181—0.5.)



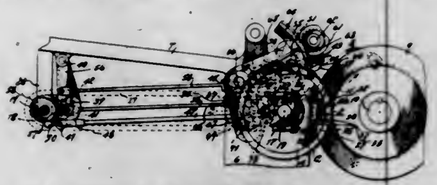
2. A sounding board having connected therewith means for fastening the sounding board on the top of a chair back in such manner that the sounding board is readily attachable to and detachable from the chair, and a panel having its upper end flexibly secured to the lower part of the front face of the sounding board, the panel being adapted to overlie the said fastening means and the front of the chair back.

1,502,667. DERRICK OR CRANE. ARTHUR GERALD GRAY, London, England. Filed Feb. 1, 1922. Serial No. 533,340. 12 Claims. (Cl. 212—66.)



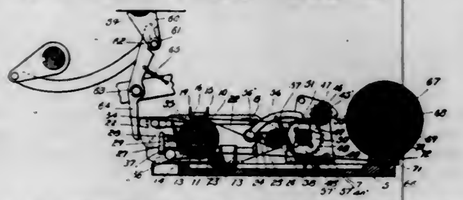
1. A derrick comprising a mast and a jib, a support for one end of said jib disposed adajacent the base of said mast, a support for the other end of said jib disposed adjacent the upper end of said mast, a winch and a crank and connecting rod mechanism interposed between one of said supports and said winch for imparting a translatory movement of varying velocity to said support with respect to said mast, substantially as and for the purpose set forth.

1,502,668. PRINTING PRESS AND OTHER LIKE MACHINE. CHARLES W. HARROLD, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 10, 1921. Serial No. 506,558. 18 Claims. (Cl. 271—53.)



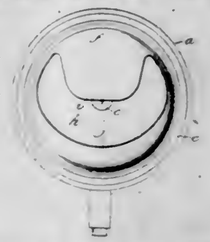
1. In a printing-press or like machine, separate sheet-feeding and positioning devices, means for separately actuating each of said devices from the press, and means for collectively varying the timing of said devices with relation to said press without shifting any of said actuating means.

1,502,669. PRINTER TABLE FOR REGISTERS OR LIKE MACHINES. BENJAMIN P. HAYES, Kansas City, Mo., assignor, by mesne assignments, to International Accounting Machine Co., New York, N. Y., a Corporation of Delaware. Filed Feb. 5, 1921. Serial No. 442,716. 4 Claims. (Cl. 242—55.)



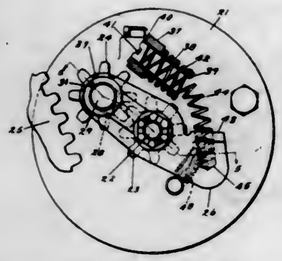
2. In combination with a printing mechanism, a pair of independently rotatable rewind rollers, a pinion on each rewind roller, a friction gear wheel operably connected with each pinion, a slide bar, a pawl on the slide bar engaging one of the friction gear wheels, intermediate gearing connected with the other friction gear wheel, and a pawl on the slide bar operating the intermediate gearing whereby both of the rewind rollers are actuated upon reciprocation of the bar.

1,502,670. HEADLIGHT OF MOTOR CARS AND LIKE ROAD VEHICLES. GEORGE FREDERICK HILL, Middle Brighton, Victoria, Australia. Filed Feb. 2, 1924. Serial No. 690,138. 2 Claims. (Cl. 240—48.4.)



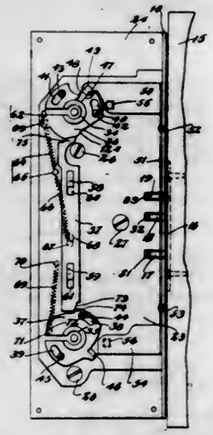
1. In head lamps of motor cars and the like having parabolic reflectors, a forwardly projecting hood extending over the lamp lens but having a crescent-shaped opening, the upper central edge of which passes through the axis of the lamp, and the lower edge is approximately midway between the upper edge and the bottom of the hood, these edges limiting the direct and reflected rays in front of the lamp, the opening extending rearwardly and upwardly at the sides and being cut away at the extremities to enable light from the lamp to directly illuminate the sides of the roadway.

1,502,671. ENGINE-STARTER GEARING. MAX L. HILLMER and LESLIE O. PARKER, Anderson, Ind., assignors to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed June 28, 1921. Serial No. 481,142. 8 Claims. (Cl. 74—7.)



1. In automatic gearing for engine starters, the combination with an engine spur gear, a motor having a shaft and a pinion carried by said shaft; of an idle spur gear meshing with the pinion; and means for supporting said idle gear from said shaft and guiding said idle gear into mesh with said engine gear while permitting said idle gear to center itself with respect to said pinion and said engine gear.

1,502,672. COMBINATION LOCK. ADOLF HOFFMAN, Lackawanna, N. Y. Filed May 18, 1923. Serial No. 639,821. 7 Claims. (Cl. 70—74.)

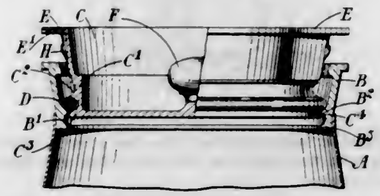


2. A lock comprising a pair of sliding bolts and a locking hook between both bolts, means for operating and locking said hook independently of said sliding bolts, means for normally locking said sliding bolts against displacement, and a leaf spring carrying said locking means, a pair of rotatable key sockets, means for normally locking said sockets against movement, and means for releasing said last named locking means and sockets by a key for releasing the locking means to allow the operation of the lock by a key.

1,502,673. CLOSURE MEANS FOR MILK CHURNS. SIDNEY HOLE, Hassocks, England. Filed June 21, 1922. Serial No. 569,850. 4 Claims. (Cl. 220—46.)

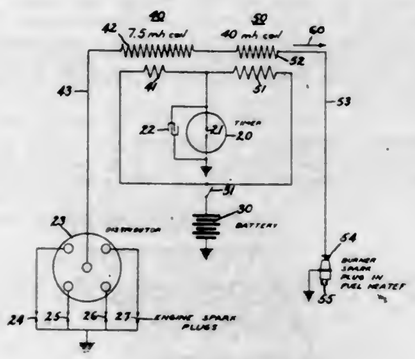
1. In a milk churn of the character described, the combination of a body portion in the form of a can, a lid having a cylindrical wall adapted to enter with play into the mouth of the body portion, and having two parallel circumferential grooves separated by a rib, whereof the first groove is nearer to and the second groove is more remote from the entering-end of the lid,

the said mouth of the can having an internal peripheral groove arranged to register with the said second groove when the lid is in its closed position, and an elastic closure ring seated in the first groove in the lid prior to applying the lid and movable over said rib into the second groove and adapted to enter, in the closed position of the lid, said internal groove, the said ring and grooves being of such dimensions that when the lid is



forced into its closed position, the ring will roll from the first groove in the lid into the second where it will engage said internal groove and serve to key the lid in its closed position, said lid further having below the first groove a flange of a diameter substantially larger than that of said rib, which flange serves to prevent displacement of the closure ring from off the bottom of the lid when the can is being opened and when the lid is off.

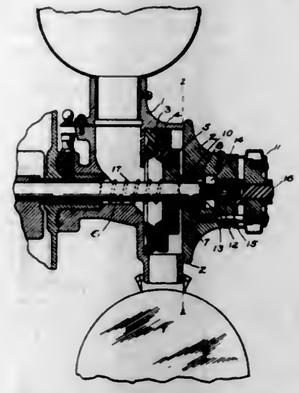
1,502,674. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 18, 1920. Serial No. 424,836. 8 Claims. (Cl. 123—148.)



1. In an ignition system for internal-combustion engines, the combination with a current source and an ignition coil having a primary winding of relatively low inductance and a secondary winding; of a booster coil having a secondary winding in series with the secondary winding of said ignition coil, and a primary winding of relatvely high inductance; and engine operated make and break means for connecting the primary windings with the current source.

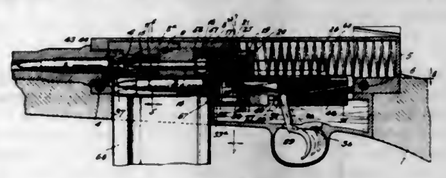
1,502,675. GRINDER FOR COFFEE AND THE LIKE. HERBERT L. JOHNSTON, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed Jan. 10, 1923. Serial No. 611,900. 5 Claims. (Cl. 287—53.)

1. In a machine of the character specified, a rotatable member, a driving shaft projecting beyond the member with a slot in the projecting portion, and means for releasably securing the rotatable member to the driving shaft, comprising a key of comparatively soft metal of disk shape, seated in the shaft slot, and in connection



with the rotatable member, whereby when sheared the disk may be readily accessible and can be turned to furnish a new key.

1,502,676. AUTOMATIC RIFLE. JOHN T. KEWISH, New York, N. Y. Filed Sept. 14, 1920. Serial No. 410,083. 36 Claims. (Cl. 42—3.)



1. A gun of the class described comprising in combination, an automatically operable breech mechanism including a traversing weight carrying a bolt and firing pin which receives power by direct contact with the primer at the time of discharge.

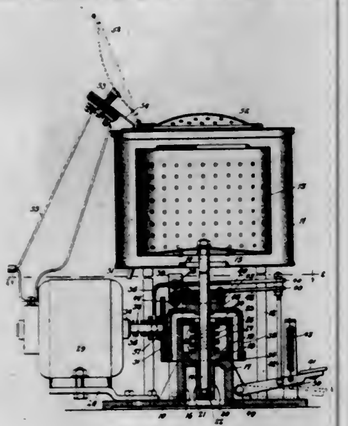
29. In a gun of the class described, an actuator, a firing pin mounted on said actuator, a detaining means in the path of said pin, comprising a pair of members yieldingly pressed together, and trigger means whereby said members may be separated to release said pin.

32. In a gun in combination, a releasable block, a trigger mounted thereon, and means affording a fulcrum for said trigger said trigger having a finger portion which acts as a lever in releasing said block.

1,502,677. CENTRIFUGAL DRIER. HARRY C. LAW, Hastings upon Hudson, N. Y. Filed Mar. 26, 1921. Serial No. 456,001. 1 Claim. (Cl. 210—71.)

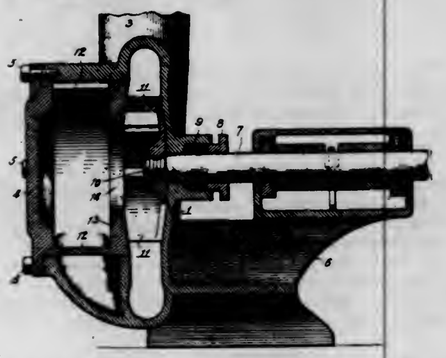
A machine of the class described comprising an upright shaft adapted to support a drum or tub thereon, a journal member rotatably receiving said shaft therein and provided with a thrust bearing support therefor, a housing, said housing and said journal member provided with a ball and socket joint for the support of the journal member, resilient means impinging upon the journal member and forcing it to seat upon the ball and socket joint provided therefor in said housing, an inverted cup-shaped member carried by said shaft extending over the said housing and protecting the same, the lower periphery of the inverted cup-shaped member acting as a horizontally disposed friction wheel, the upper extremity of said cup-shaped member provided with a conical braking surface, a shaft mounted at right angles

to the first-mentioned shaft, a friction wheel carried thereby, means for resiliently forcing the second friction wheel against the friction wheel of the first-mentioned shaft, a brake member adapted to engage the conical braking surface carried by the first-mentioned shaft, and means operably engaging said brake member and the



second-mentioned friction wheel and adapted to apply the brake member to the brake surface and simultaneously move the friction wheels apart, said means further adapted to release the brake member with respect to said brake surface and to simultaneously bring the said friction wheels together.

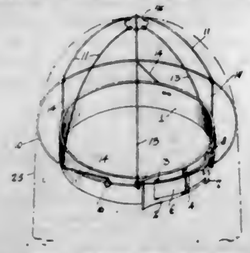
1,502,678. PUMP. HERBERT E. MERSELES, Bronxville, N. Y. Filed Jan. 22, 1921. Serial No. 439,094. 11 Claims. (Cl. 103—103.)



1. In a pump, a pump casing having an impeller chamber provided with a fluid inlet and a fluid outlet, said chamber being also provided with a removable wall, said wall having an opening which places said impeller chamber in communication with the fluid outlet, and supporting means for said removable wall secured to the pump casing, whereby said wall may be removed without disturbing the other pump parts.

1,502,679. PROTECTIVE HOOD. BUELL W. NUTT, Cleveland, Ohio, assignor to The Safety Equipment Service Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 23, 1921. Serial No. 471,575. 2 Claims. (Cl. 2—202.)

1. In a device of the character described, the combination of a rigid frame of substantially hemispherical shape, a split head band having its ends adjustably connected together, and supporting arms attached to said frame and extending to said head band and lying substantially tangent thereto, said arms being attached to



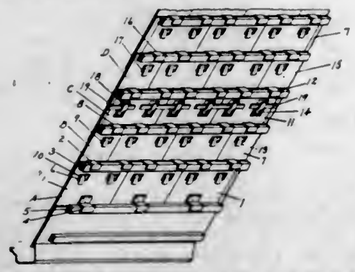
said band at points spaced from the split in said band to minimize movement of said arms during adjustment of said band.

1,502,680. MANIFOLDING DEVICE. WALTER E. OLIVER, Hoboken, N. J., assignor to Autographic Register Co., Hoboken, N. J., a Corporation of New Jersey. Filed Feb. 5, 1921. Serial No. 442,633. 8 Claims. (Cl. 282—16.)



2. In mechanism for feeding a strip of fabric having a series of spaced holes arranged longitudinally thereof; in combination a writing bed; a pair of feed rollers for advancing the strip over the writing bed; means for separating said rolls to permit of strip adjustment and for gripping the strip after adjustment; and manually operated means for permitting the feed rolls to again grip the strip whereby it may be advanced over the writing bed.

1,502,681. SHINGLE CONSTRUCTION. JOHN POMMERSHEIM, East Pittsburgh, Pa. Filed Dec. 20, 1923. Serial No. 681,783. 6 Claims. (Cl. 108—17.)

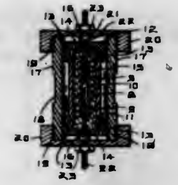


1. A metallic shingle having lath engaging hooks on the rear face thereof and provided with apertures for the reception of engaging means on another shingle, and resilient clips on the rear face of the shingle arranged to pass through apertures in a similar shingle and bear against the rear face thereof.

1,502,682. IGNITION DEVICE. JOHN H. REED, Maumee, Ohio, assignor of one-half to Albert Swartz, Toledo, Ohio. Filed Nov. 3, 1921. Serial No. 512,594. 3 Claims. (Cl. 123—148.)

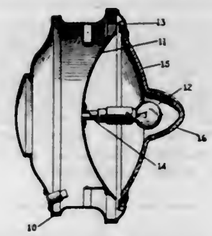
3. An ignition intensifier including a vacuum tube, a pair of leads extending from the tube and providing a spark gap within the tube, an insulation cylinder

housing the tube, insulation filler packing the tube in the cylinder with concentric terminally protruding conductor leads, conductor caps for the cylinder having central openings, said leads from the tube as protrud-



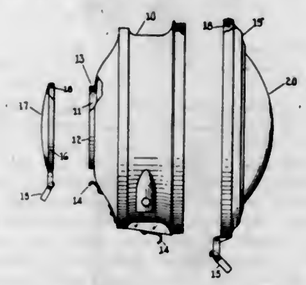
ing from the packing being short of protruding from said openings, and conductor providing sealing means for the openings anchoring said leads in conductor communication with said caps.

1,502,683. HEADLIGHT. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed July 24, 1922. Serial No. 576,911. 1 Claim. (Cl. 240—48.4.)



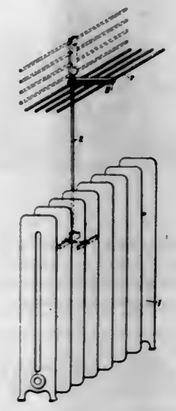
A headlight comprising a housing; a reflector mounted in the housing; a light source protruding beyond the housing; a glass front secured to the housing and bulging outwardly to inclose the light source, its central portion protruding outwardly from the plane of the outer surface; the positioning of the light source being such that it extends into the protruding portion of the lens, the upper surface of said protruding portion being provided with retracting means to redirect light rays impinging thereon, outwardly and downwardly.

1,502,684. HOUSING FOR HEADLIGHTS. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed July 24, 1922. Serial No. 576,913. 2 Claims. (Cl. 240—41.)



1. A headlight housing comprising a body portion open at its rear and its front, and flanges surrounding each of said openings and an orifice in each flange; a closure door for each opening with a lug to engage the orifice in its respective flange; a lock lug on the body portion for each closure door; a lock lever pivotally mounted to an arm which is itself pivotally mounted to a lug on each of said doors, said lock levers being designed to engage their respective lock lugs and lock their respective closure doors to the body portion.

1,502,685. DRYING RACK. MORTON PETER SARFATY, New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,447. 3 Claims. (Cl. 126—341.)



1. A radiator drying rack for use on radiators of the type employed in heating dwellings, comprising an upright supporting standard of a height less than the height of the radiator to which it is adapted to be attached, a member hingedly secured to the top portion of the supporting standard, a plurality of elements secured to said member and forming a drying rack, said drying rack being adapted to be maintained in a substantially horizontal position when in operative position and adapted to be swung about the hinge connection to be brought into an inoperative position in substantially the same vertical plane as the supporting standard, a clamp for securing the supporting standard to the rear coils of the radiator and means whereby the position of the clamp on the radiator coils may be adjusted so that the supporting standard and the rack may be lowered into a position of concealment behind the radiator.

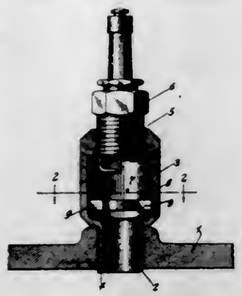
1,502,686. MANUFACTURE OF PAPER AND OTHER FIBROUS COMPOSITIONS. PHILIP SCHIDROWITZ, London, England, assignor to Vultex Limited, St. Helier, Jersey, Channel Islands, a Jersey Company. Filed Sept. 25, 1923. Serial No. 664,767. 12 Claims. (Cl. 92—21.)

1. The process of manufacture of rubberized fibrous compositions which comprises compounding together unwoven fibrous material and aqueous vulcanized rubber and producing a deposit of the vulcanized rubber in situ upon the fibres of said material.

1,502,687. IGNITION DEVICE. MAX HANS SENDIG, St. Louis, Mo., assignor of one-third to Rudolf Emil Sendig and one-third to Charles Max Kruger, both of St. Louis, Mo. Filed Mar. 13, 1922. Serial No. 543,305. 2 Claims. (Cl. 123—169.)

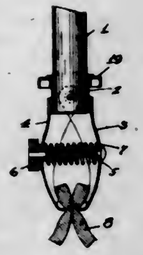
1. A device of the character described, comprising a tubular portion adapted to be secured into the usual spark plug opening of an engine cylinder, a casing in connection with and opening into said tubular portion and being of relatively much greater diameter than said tubular portion, a baffle plate supported within the casing relatively a short distance away from the open-

ing into said tubular portion and having a diameter approximately equal to the diameter of said tubular portion, and a spark plug screwed into the end of said



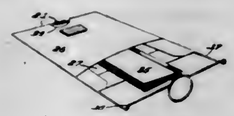
casing opposite from said tubular portion, and supporting a pair of spark points a greater distance from said baffle plate than the distance between said baffle plate and the opening into said tubular portion.

1,502,688. MOP. WILLIAM SEVERNS, Chicago, Ill. Filed July 15, 1922. Serial No. 575,322. 2 Claims. (Cl. 15—120.)



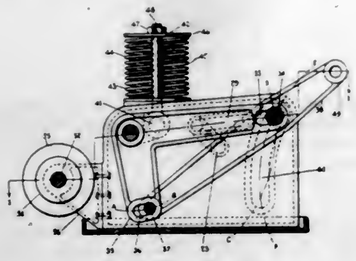
1. In a mop, a handle, a bushing secured on the lower end of said handle, a pair of clamping members pivoted to the lower end of said handle upon said bushing, a screw element on one of said members, an elongated nut extending through the other member and engaging said element, and a spring surrounding said nut and screw element and confined between said clamping members.

1,502,689. METHOD AND MEANS OF MERCHANDISING PIECE GOODS. EDWARD SEYFARTH, Dixon, Ill. Filed Dec. 31, 1921. Serial No. 526,434. 4 Claims. (Cl. 206—50.)



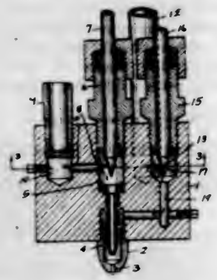
1. A label holder comprising a wire frame shaped to provide a label-carrying portion and longitudinal sides, the former of which is adapted to peripherally engage a label, and the latter to be inserted in the end of a bolt of piece goods for supporting said label-carrying portion in a display position, and a sample pocket body consisting of a top and a bottom portion having marginal edges folded over said sides for securing the body portion and said frame together, said body providing a pocket for the reception of samples.

1,502,690. OIL-WELL PUMPER. FREDERICK H. SIBLEY, Reno, Nev., assignor to Maximum Power Co., Wilmington, Del., a Corporation of Delaware. Filed Aug. 5, 1922. Serial No. 579,867. 6 Claims. (Cl. 74—14.)



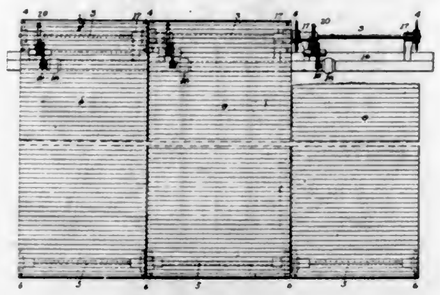
1. In an oil pumper a gear driven shaft, a crank on said shaft carrying a crank pin, a pair of bell cranks, a gudgeon pin about whose center said bell cranks oscillate, there being a slot in the arm of one of the bell cranks in which the crank pin slides, a pump beam, a pin in one end thereof which slides in a slot in the lower end of the bell cranks, a pin in the beam which passes through a slot formed in the end of the upper arm of the bell cranks, a pair of main brackets having arcuate slots therein in which said last named pin slides.

1,502,691. OIL BURNER. LOUIE F. SMITH, South Houston, Tex., assignor of one-half to George D. Collins, Houston, Tex., and three-eighths to James A. Henson, and one-eighth to Myron Collins, both of Harris County, Tex. Filed Dec. 30, 1922. Serial No. 609,969. 3 Claims. (Cl. 158—75.)



1. An oil burner including a discharge nozzle through which fuel is discharged into a combustion chamber; a blast nozzle within said discharge nozzle and spaced therefrom forming a chamber around said blast nozzle; fuel and steam lines entering said respective nozzles, and through which fuel and steam under pressure are supplied thereto; valve seats in said respective lines; valves arranged to cooperate with said seats, and controlling the passage of fuel and steam, respectively, therethrough; a member connecting said valves rigidly together; an actuating rod fastened to said connecting member, a casing having an internal chamber; a flexible diaphragm spanning said chamber and fastened to said actuating rod; a yieldable member on one side of said diaphragm, and arranged to operate against said actuating rod to normally hold said valves open; and a fluid pressure line entering said chamber on the other side of said diaphragm.

1,502,692. LEER CONVEYER. WALTER R. STERRETT, Carnegie, Pa., assignor to H. L. Dixon Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 2, 1921. Serial No. 466,192. 3 Claims. (Cl. 198—76.)



1. In combination, a leer, a plurality of separate conveyers extending through the leer from end to end and arranged in parallel relation, and means for driving the different conveyers at different speeds, substantially as described.

1,502,693. REWIRABLE METAL SCREEN. FREDERICK A. STICKLE, Cincinnati, Ohio, assignor, by mesne assignments, to The Lunkenheimer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 25, 1921. Serial No. 487,512. 5 Claims. (Cl. 156—14.)



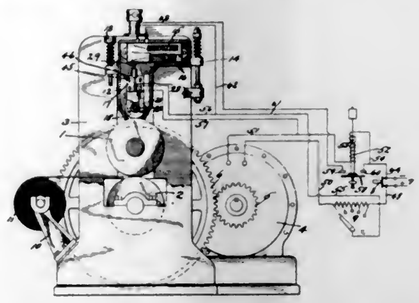
2. A rewirable screen frame, comprising frame pieces of nontubular construction formed into a plurality of channels, one channel facing inwardly of the completed screen for use in mounting the wire, one channel facing outwardly, and another channel facing inwardly at the edge of the frame, corner irons adapted to fit the two channels other than that for the wire, said frame pieces being mitred at the corners and set together, and the irons securely mounted and fixed in the corners.

1,502,694. TRANSPARENCY AND PROCESS OF MAKING THE SAME. AARON P. STORRS, Owego, N. Y., assignor to Storrs Mica Company, Owego, N. Y., a Corporation of New York. Filed July 6, 1922. Serial No. 573,182. 9 Claims. (Cl. 41—21.)



1. The process of making a light transmitting body from a natural light transmitting product having unsymmetrical discolorations, which comprises separating the natural product into sheets, each of said sheets being approximately identical, reversing the sheets whereby the discoloration will appear in different portions of the sheets, and superposing one sheet over another to form a laminated structure showing the discolorations of all of the sheets in a more or less symmetrical design.

1,502,695. INDICATOR FOR MILLS. AUGUST SUNDH, Hastings upon Hudson, N. Y., and WILLIAM WESTERMAN, Detroit, Mich. Filed Oct. 8, 1920. Serial No. 415,512. 10 Claims. (Cl. 33—141.)



1. In combination, a mill, means for indicating the amount of material passed through said mill, an electric motor for driving the mill, a clutch for connecting the mill to the indicator, and means whereby said clutch is electrically connected to said motor to be controlled by the current passing through said motor.

7. In combination with a mill, an indicator for indicating the travel of a moving part of said mill, an indicator for indicating the amount of material passed through said mill, a magnetizable member permanently operatively connected to the first-named indicator and operatively connected to said mill to cause the first-mentioned indicator to function, and an electrically operated clutch for connecting the second-named indicator to the mill to cause the second-named indicator to function.

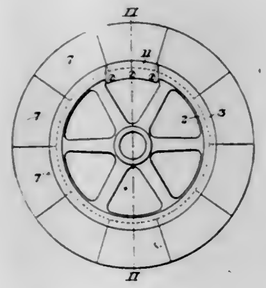
1,502,696. WASH-PIPE VALVE. ALEXANDER THOMSON, Sourlake, Tex. Filed Aug. 3, 1922, Serial No. 579,432. Renewed Feb. 23, 1924. 8 Claims. (Cl. 166—20.)



1. The combination with a set pipe, of a seat within said pipe a wash pipe within the set pipe, a cage like valve on the upper end of the wash pipe, said valve being

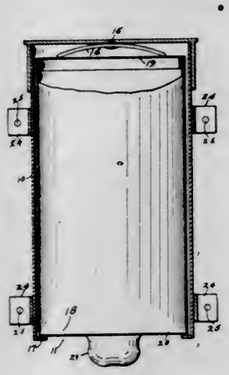
provided with a port in the side thereof, and a restricted water passageway, extending lengthwise therethrough, and an external projection on said valve adapted to rest on said seat.

1,502,697. SECTIONAL GRINDING WHEEL. FRANK J. TONE, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,823. 8 Claims. (Cl. 51—207.)



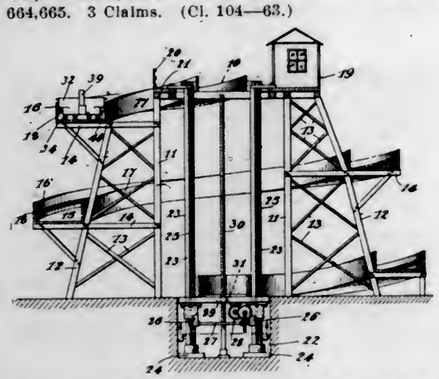
1. A grinding wheel including a supporting drum, segmental blocks of grinding material arranged in a plurality of circumferential rows, and means common to adjacent rows and extending circumferentially of the drum for retaining the segments thereon.

1,502,698. POWDER DISPENSER. EDWIN H. TOOLEY, Oshawa, Ontario; Canada, assignor to A. L. Honeker, Wallace, Idaho. Filed Apr. 21, 1921. Serial No. 463,157. 2 Claims. (Cl. 221—61.)



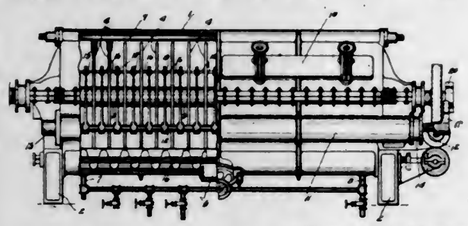
2. A powder dispenser comprising a container slidably mounted in a guide, an externally projecting perforated head to the container, a spring within the guide bearing against one end of the container, the same being the end opposite the end having the perforated head, an inwardly extending flange on the guide for engaging the end of the container having the perforated head, and means for securing the guide in a rigid position, whereby, by a manual thrust upon the said externally projecting perforated head, the said container is forced against said spring and when released, the spring forces the container against said flange and the impact forces a portion of the contents of the container out through the said perforated head.

1,502,699. AMUSEMENT RAILWAY. HENRY J. TRAUBEL, Cresskill, N. J. Filed Sept. 25, 1923. Serial No. 664,665. 3 Claims. (Cl. 104—63.)



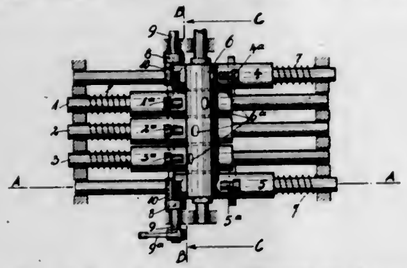
1. The combination with a gravity railway and a car adapted to travel thereon and having swiveled wheels, of an elevator adapted to carry said car, and means connected to the car to cause the latter to rotate when raised by the elevator.

1,502,700. CAKE CUTTER FOR FILTER PRESSES. HENRY A. VALLEZ, Bay City, Mich. Filed Sept. 30, 1921. Serial No. 504,461. 4 Claims. (Cl. 210—193.)



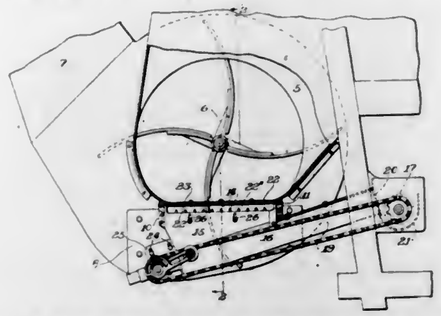
1. In a device of the class described, a casing horizontally disposed, filter elements rotatably mounted therein and spaced from each other, a longitudinally extending shaft adjacent said filter elements, and means mounted on the shaft adapted when actuated to remove the cake formed on the face of the filter elements.

1,502,701. CHANGE-SPEED GEAR. GRAF ALFRED VON SODEN-FRAUNHOFEN, Friedrichshafen, Germany, assignor, by mesne assignments, to Zahnradfabrik Gesellschaft, Friedrichshafen, Germany. Filed Jan. 25, 1922. Serial No. 531,810. 6 Claims. (Cl. 74—39.)



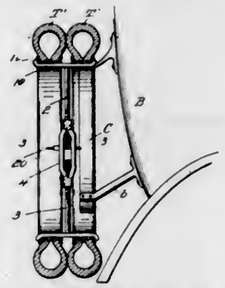
1. In a change speed gear in combination, a plurality of sliding wheels, striker rods in operative connection with said wheels, means for moving said rods into and out of operative position and a common locking member for all said rods, the locking motion of part of said rods being effected in a direction opposite to that of the other rods.

1,502,702. GRAIN-SAVING DEVICE FOR THRASHING MACHINES. LOUIS H. WAGNER, Indianapolis, Ind., assignor to The Indiana Manufacturing Company, Indianapolis, Ind., a Corporation of West Virginia. Filed Oct. 20, 1923. Serial No. 669,721. 4 Claims. (Cl. 130—17.)



1. A grain saving device for thrashing machines comprising an attaching plate embodying an air retainer adapted to be secured to a fan drum, a hopper, grain tapping grates above said hopper, a conveyer adjustably secured to said plate, and means for actuating said conveyer.

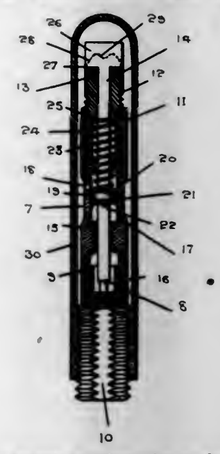
1,502,703. AUXILIARY TIRE CARRIER. JOSEPH M. WALLING, Houston, Tex. Filed Sept. 13, 1921. Serial No. 500,320. 2 Claims. (Cl. 224—29.)



1. A tire carrier comprising a pair of oppositely extending tire engaging members each of a length to span transversely the inner faces of the rims of a pair of opposed tires and having out-turned terminal portions overlapping the opposed rims for connecting them to a fixed support in opposed relation, each of said members provided centrally with a polygonal-shaped opening, a pair of spaced lengthwise aligning oppositely movable rods for clamping said members against the rims, each of said rods having a reduced polygonal-shaped outer terminal portion engaging in one of said openings and further having its inner terminal portion peripherally threaded, a revolvable shifting element for and common to said rods for synchronously shifting them, said element having its ends mounted on and threadedly engaging with the threaded terminal portions of the rods, thereby providing for the shifting of the rods when said element is revolved.

1,502,704. SAFETY TIRE VALVE. HIRAM N. WILSON, Omaha, Nebr., assignor to Henry M. Wilson, Omaha, Nebr. Filed Apr. 12, 1923. Serial No. 631,537. 3 Claims. (Cl. 152—11.5.)

1. A safety-tire valve including a barrel for attachment to a valve stem of a tire, a rod slidably mounted in said barrel for holding open a valve member in said stem, said barrel having an air escape port, a valve member in the barrel movable outwardly for the escape of air through said port, spring means for resisting the outward movement of the secondnamed valve member and for moving said secondnamed valve member inwardly, a stop carried by said rod for the contact of the secondnamed valve member when moved inwardly

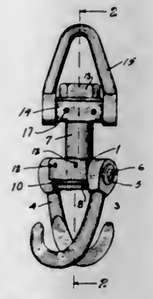


by said spring means so that the spring means yieldingly moves said rod inwardly to open the firstnamed valve member, and means for holding said rod in outwardly retracted position when slid outwardly away from the firstnamed valve member with the secondnamed valve member moved outwardly by said stop against said spring means.

1,502,705. METHOD OF DIE ROLLING. WILLIAM P. WITHEROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Neville Island, Pa., a Corporation of Pennsylvania. Filed Sept. 9, 1922. Serial No. 587,080. 4 Claims. (Cl. 80—60.)

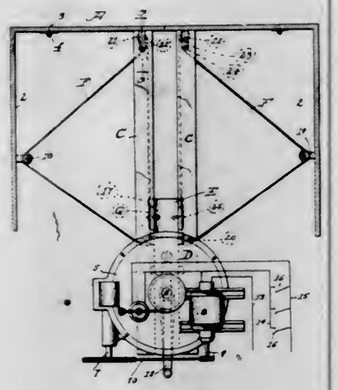
1. The method of die-rolling blanks of predetermined length from leaders, comprising the step of passing a heated leader at a given temperature through a die-roll pass, and then die-rolling similar blanks from successive leaders by delivering such leaders to the die-rolls at a reduced temperature if longer blanks are desired.

1,502,706. HOOK. SAMUEL A. AGGERS, Denver, Colo. Filed May 31, 1923. Serial No. 642,537. 1 Claim. (Cl. 24—242.)



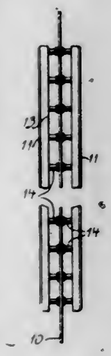
A hook comprising, in combination, a ring-shaped yoke piece having a circular central opening; a cylindrical stem in said opening and rotatably connected thereto; a pair of outwardly projecting lugs on opposite sides of said yoke; a hook pivotally connected to each stud, said hooks being substantially identical and reversely arranged whereby they will cooperate to form with the yoke piece an enclosed space adapted to receive the device to which it is connected.

1,502,707. INWARDLY-OPERATING DOOR-CONTROL MECHANISM. HARRY G. AINSWORTH, Kentland, Ind. Filed July 17, 1922. Serial No. 575,518. 4 Claims. (Cl. 268—9.)



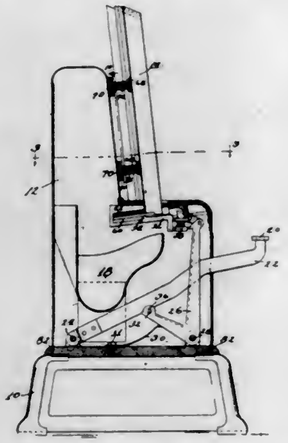
1. The combination with a fixed support having a door opening, a door hinged thereto to open inwardly and a substantially horizontal guide way secured to the support above the door and extending inwardly therefrom, of a pair of aligned sheaves positioned below one of the beams, one sheave being secured to the said support near the door opening and the other to said beam at a considerable distance from the door opening, a cable bracket secured to the door near its top and aligned with said sheaves when the door is closed, a sheave located on a fixed support in the same plane with but out of line with said aligned sheaves and located at a distance from the door, an element movable in the guide way, an endless cable trained over said sheaves and operatively attached to the cable bracket and to said movable element, and means for actuating said movable element to open or close the door, said means including an electrically operated power unit.

1,502,708. ELECTRODE. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor to The Toronto Power Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Feb. 3, 1920. Serial No. 355,989. Renewed July 18, 1922. Serial No. 575,811. 29 Claims. (Cl. 204—4.)



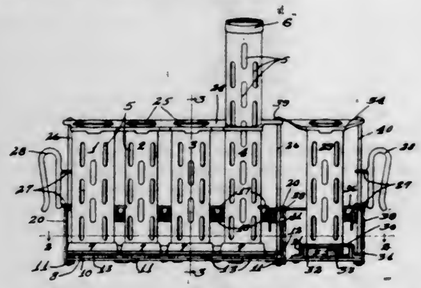
1. The combination with a compressed body of multiply material having holes therein, of supporting means therefor, and devices securing said body to said supporting means, such devices comprising parts expanded in said holes.

1,502,709. CHANGE MAKER. ALBERT BECK, Chicago, Ill., assignor to McGill Metal Products Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1921. Serial No. 435,603. 9 Claims. (Cl. 133—5.)



1. A change maker comprising a coin tube, a spring controlled bell crank, means for operating the same, a projection on said bell crank, a coin retaining member formed on said projection for coaction with the tube, an arm pivoted on the bell crank, a coin ejecting lug integrally formed on said arm, and a spring between said projection and said arm for holding the ejecting lug in an ejecting position.

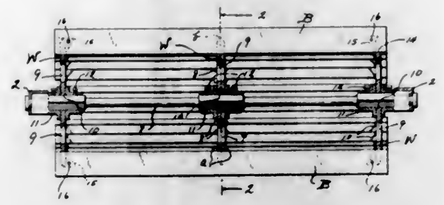
1,502,710. CHANGE CARRIER. ALBERT BECK, Chicago, Ill., assignor to McGill Metal Products Company, a Corporation of Illinois. Filed July 20, 1921. Serial No. 486,106. 7 Claims. (Cl. 133—5.)



1. A change maker comprising a frame, coin tubes supported thereon, coin ejecting mechanisms on said frame for discharging coins from said tubes, bolt members removably engaged in said frame, and hooks rotatably and slidably engaged on said bolt members to permit the change maker to be supported in a position for use.

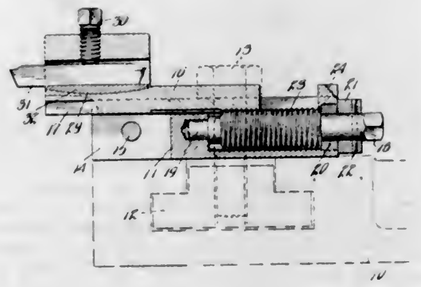
2. The combination with a main portable change maker, of an auxiliary change maker, bolts removably engaged on said main change maker, hooks adjustably engaged on said bolts for supporting the main change maker in position for use, apertured lugs formed on said auxiliary change maker, a bolt removably engaged on said auxiliary change maker, one of said main change maker bolts adapted to be removed and the hook removed therefrom and placed upon said auxiliary change maker bolt, said removed main change maker bolt adapted to engage said apertured lugs to hold the auxiliary change maker removably attached to said main change maker.

1,502,711. GROUNDWORKING MEMBER. JAMES G. CAGLE, Marion, Ill. Original application filed Mar. 22, 1922, Serial No. 545,724. Divided and this application filed Aug. 25, 1923. Serial No. 659,337. 1 Claim. (Cl. 97—215.)



A device of the class described comprising an axle, said axle adjacent its ends at its central portion being angular in cross section, wheels mounted upon said angular portions of the axle, collars slidably mounted on each of said angular portions at opposite sides of the wheel thereon, means carried by the collars and engaging the axle for holding the collars in contact with said wheel, blades substantially radially disposed with respect to the axle and engaged with the peripheral portions of the wheels, the intermediate wheel comprising two over-lying sections, each of said sections being radially divided into two parts with the straight edges of the parts of one section being angularly related to the straight edges of the parts of the second section, and removable means disposed through the over-lying sections of the wheel and arranged at opposite sides of the straight edges of the parts of the sections.

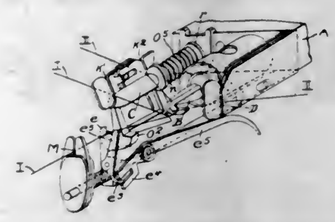
1,502,712. MULTIPLE-PURPOSE TOOL HOLDER. LODGE Y. CHARD, Newcastle, Ind. Filed Apr. 4, 1923. Serial No. 629,930. 12 Claims. (Cl. 82—24.)



1. In a lathe, a tool holder comprising a laterally adjustable base and a tool carrier in dovetailed engagement with said base and adjustable longitudinally thereof, means for clamping the same in adjusted position, intersecting diagonal tool-receiving openings at the forward end of the tool slide, and means at the intersection of said openings for clamping a tool in either opening, substantially as set forth.

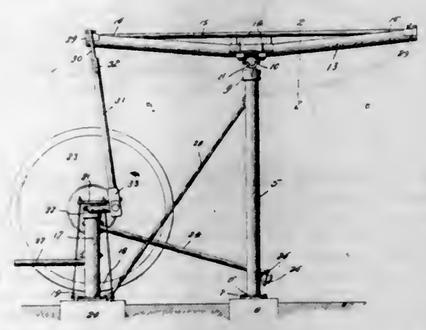
12. In a lathe a laterally adjustable tool holder comprising a base and a longitudinally adjustable tool carrier, said carrier having a tool receiving opening with an arcuate slot in its face, a filler block in said slot for adjusting the angle of the tool, and means for clamping the tool in position in said opening, a guide on said tool carrier, a guideway on said base for cooperation with said guide said guideway having one end slotted for a portion of its length, means for clamping said guide and guideway in predetermined position, segmental threads on said tool carrier, and a threaded shaft swiveled in the base and in engagement with said segmental threads for moving the tool carrier and tool toward and away from the work, substantially as set forth.

1,502,713. KNOT-TYING APPARATUS. JOHN WILLIAM COOK, Manchester, and THOMAS COLLINS, Hale, near Manchester, England, assignors to Cook & Co. Manchester Limited, Manchester, England, a Company organized under the laws of the United Kingdom of Great Britain. Filed Sept. 18, 1919. Serial No. 324,541. 10 Claims. (Cl. 289—3.)



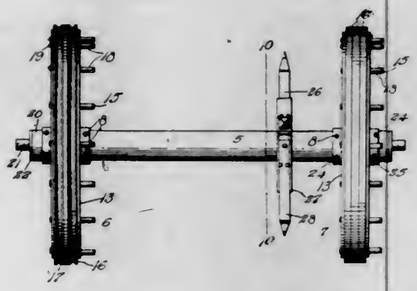
9. In a weaver's knotter, the combination with a rotary knotting-bill and a rotary drawing-off member, of spindles carrying the said bill and drawing-off member respectively, a helical pinion on each of the said spindles, quadrants each having helical teeth adapted to gear with and to transmit rotary motion to the spindles, and means adapted to lock the said quadrants positively together during a portion of the motion of the bill-operating quadrant.

1,502,714. PUMPING RIG. JAMES A. CRUMLEY, Charleston, W. Va., assignor of one-third to Elvyn L. Keller, Charleston, W. Va. Filed June 27, 1923. Serial No. 647,960. 4 Claims. (Cl. 74—14.)



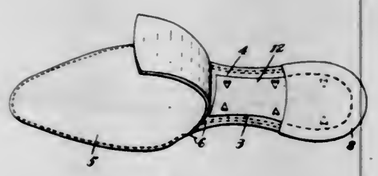
1. In a pumping rig for oil wells, the combination with the horizontal sill at the lower portion of a derrick, of a flanged base fixed at one side of and below said sill, a post mounted in said base, a saddle box fixed upon the upper end of said post and including spaced clamps having a shaft fixed therein and extending therebetween, a saddle journaled upon said shaft, a walking beam, U-shaped bolts engaging the walking beam and the saddle for clamping the latter together, a pair of spaced relatively short posts mounted adjacent the first named post, in spaced relation, and having bearing caps on the upper end thereof, a crank shaft rotatable in said bearing caps, a pitman connected to the crank of said shaft and having a stirrup thereon, and a pair of cooperating stirrup boxes upon the end of the walking beam above the second named posts for reception of the stirrup of said pitman adapted to connect the crank shaft with the walking beam.

1,502,715. BULL WHEEL AND MOUNTING THEREFOR. JAMES A. CRUMLEY, Charleston, W. Va., assignor of one-third to Elvyn L. Keller, Charleston, W. Va. Filed Sept. 20, 1923. Serial No. 663,934. 9 Claims. (Cl. 242—117.)



1. In a bull wheel, a pipe section having gudgeons secured in the ends thereof, split hubs detachably bolted upon the ends of said pipe section, said hubs being provided with pairs of spaced parallel circumferential annular flanges, discs disposed upon the end portions of the hubs and detachably and rigidly secured against the outer surfaces of said annular flanges, and cants bolted between the outer margins of said discs.

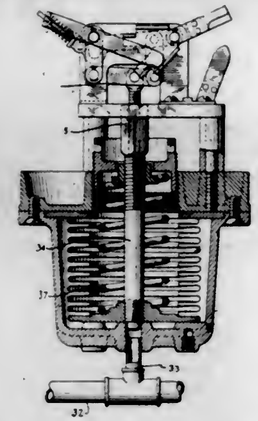
1,502,716. SHOE. JOHN JOSEPH DALY, Newton Center, Mass. Filed Aug. 17, 1923. Serial No. 657,988. 7 Claims. (Cl. 36—17.)



6. In a shoe, an outer sole and an intermediate sole secured to the upper by independent lines of stitching, said outer sole having a slot thereacross adjacent the breast of the heel and terminating inside of the lines of stitching to permit said sole to be readily severed from the intermediate soles, and a blade deflecting element interposed between the outer and intermediate soles and underlying said slot, and comprising a metallic plate having attaching prongs adapted to be driven into one of said soles.

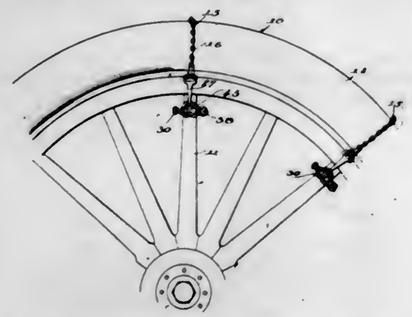
1,502,717. ELECTRIC SWITCH. JAMES H. DENNEDY, Detroit, Mich. Filed June 29, 1922. Serial No. 571,681. 10 Claims. (Cl. 200—67.)

1. In an electric switch, a base of insulating material, a pair of spring contacts mounted on the base, a pair of frame members mounted on the base, a pair of contact members pivotally mounted at one end of the frame members and adapted to engage the spring contacts, the said contact members being each provided with outturned flanges arranged in substantially V shaped form, a U shaped actuator member pivoted at the opposite end of the frame member, the legs of the U shaped actuator extending between the flanges of the respective contact member, a pair of outturned lugs on each contact member, the legs of the U shaped actuator during movement from one position to the other being adapted to first engage the respective lug intermediate the end and the



pivot point of the respective leg and then engage the flange near the pivot point of the contact member, and means for actuating the said actuator.

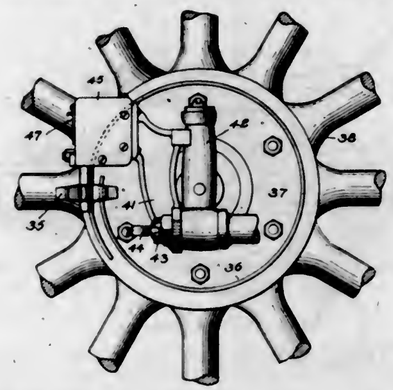
1,502,718. ANTISLIPPING DEVICE. JOHN J. EHMEN, Clayton, Ill., assignor of one-third to John J. Emminga, Golden, Ill. Filed Feb. 17, 1923. Serial No. 619,733. 3 Claims. (Cl. 152—14.)



1. In an anti-slipping device of the character described, a chain, means for securing the chain to a spoke including a spoke connector comprising a pair of clamping sections, each section being made up of a single piece of wire looped to form upper and lower arms, the portions of said sections adjacent the bights of the loops being offset to provide seats and the terminals of the wire making up each loop being formed to provide apertured ears, a hinge pin coacting with the apertured ears for pivotally connecting the sections together, a bolt and nut coacting with the seats for moving the sections into clamping engagement with the spoke, and a chain engaging loop carried by each of said clamping sections.

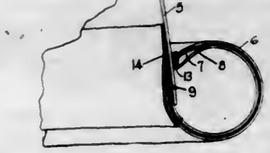
1,502,719. ODOMETER. WILLIAM EISENSCHMID, Etna, Pa., assignor to Pittsburgh Taximeter Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 15, 1921. Serial No. 515,312. 1 Claim. (Cl. 235—91.)

In a device of the character described, counters mounted in a bracket adapted to be secured to a steering knuckle adjacent a vehicle wheel, a worm for driving said counters, a ratchet on the worm shaft, a pawl pivoted to said bracket for operating said ratchet and having a cam surface, a star wheel engaging said cam surface and means driven by the vehicle wheel for driving



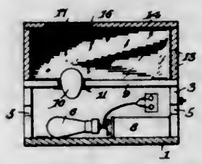
said star wheel for advancing said counters the same definite amount irrespective of the direction of rotation of the vehicle wheel.

1,502,720. HAT. ROBERT FINKELSTEIN, Brooklyn, N. Y., assignor to Hirschberg & Company, New York, N. Y., a Corporation of New York. Filed Feb. 21, 1924. Serial No. 694,242. 3 Claims. (Cl. 2—175.)



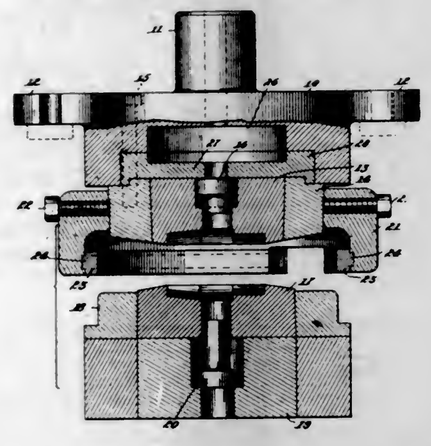
1. A hat having an unblocked brim of tubular formation comprising a plurality of exposed layers of material and a concealed layer of stiffening material, one of said exposed layers being narrower than the other of said exposed layers to cause all of said layers to assume and retain a tubular formation.

1,502,721. EGG TESTER. THOMAS GRAVES, Memphis, Tenn. Filed Oct. 7, 1921. Serial No. 506,049. 2 Claims. (Cl. 99—6.)



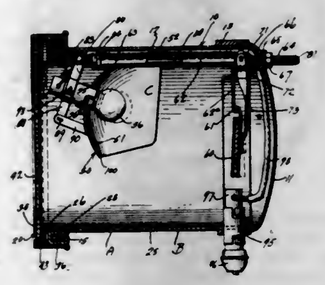
1. An egg tester of the class described comprising an illuminated compartment including a base panel, a pair of side panels, one side panel hinged to each longitudinal side edge of the base panel, four end plates one fixed perpendicularly at each end of each side panel so as to form end panels for the compartment, a pair of top plates one fixed perpendicularly to the free longitudinal edge of each side panel to form a top panel, said top panel provided with an opening; and a darkened compartment including side panels hinged to the top plates of the illuminated compartment, end panels fixed to one side panel of the darkened compartment and a hinged cover panel provided with an opening and engaged on one side panel of the darkened compartment.

1,502,722. DIE-GUIDING MEANS FOR FORGING PRESSES. CHARLES A. HILL, Port Huron, Mich., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 3, 1922. Serial No. 526,692. 25 Claims. (Cl. 78—60.)



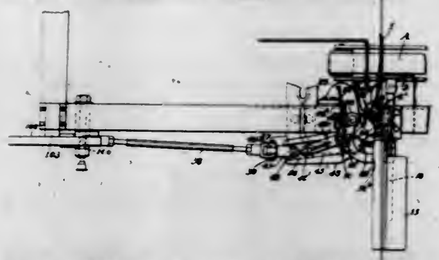
1. In apparatus of the class described, the combination of relatively movable dies, a carrier on one of said dies, a guide member removably mounted on said carrier, and a member on the opposing die adapted to engage said guide member.

1,502,723. ANTIGLARE HEADLIGHT. WILLIAM H. HOLLANDER, FREDERICK W. HOLLANDER, and GUS HOLLANDER, Port Arthur, Tex. Filed May 31, 1923. Serial No. 642,620. 6 Claims. (Cl. 240—41.)



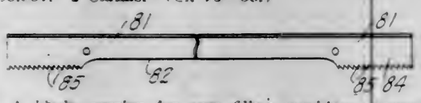
1. A headlight comprising a casing, a forward reflector within the casing, a lamp reciprocably mounted within the forward reflector so that the rays of light therefrom may not pass directly through the casing, a shaft rotatable upon the casing having a screw threaded end, a nut upon said screw threaded end, a rocker arm carried by said reflector and by said nut engaging said lamp whereby upon rotation of the shaft the nut may be fed thereaolong for moving said lamp inwardly and outwardly with respect to said reflector, and reflecting means to the rear within said casing adapted to receive rays of light from said lamp thereagainst for reflection from the casing indirectly.

1,502,724. PACKAGE STOP MECHANISM. STANLEY R. HOWARD, East Milton, Mass., assignor, by mesne assignments, to State Street Trust Company, trustee, a Corporation of Massachusetts. Filed Oct. 5, 1921. Serial No. 505,632. 18 Claims. (Cl. 93—2.)



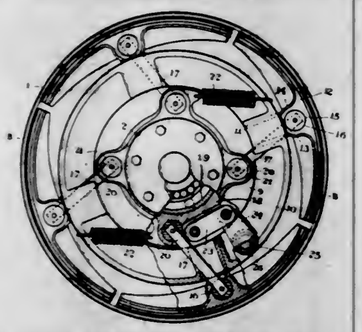
1. In combination, a toggle, an actuating member therefor, a pivoted guide for the toggle joint alignable with said actuating member, and means for releasably holding said guide in alignment with said actuating member.

1,502,725. ATTACHMENT FOR SAW FILING AND SETTING MACHINES. FRANK JOSEPH KEPPELER, Milwaukee, Wis. Filed Aug. 6, 1923. Serial No. 655,937. 2 Claims. (Cl. 76—35.)



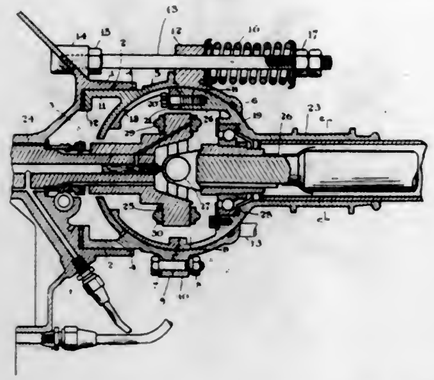
2. A blade carrier for saw filing machines, comprising a thin, narrow strip of metal curved inwardly along one edge and having teeth cut at one end thereof adapted to register with the teeth of the saw; and means for securing the saw blade thereto.

1,502,726. VEHICLE BRAKE. ALPHONSE JOSEPH LAVOIE, Montreal, Quebec, Canada. Filed Nov. 30, 1921. Serial No. 518,747. 1 Claim. (Cl. 188—78.)



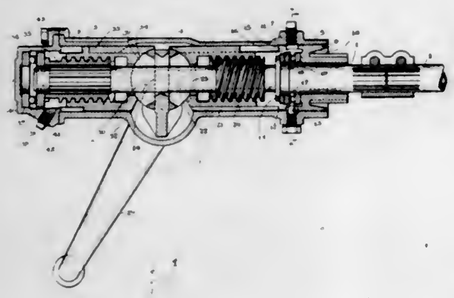
In a vehicle brake, the combination with a rotating axle and housing therefor and a wheel mounted thereon, of a brake drum rigidly secured to the wheel hub, and rotating therewith, a frame fixedly secured to said housing and forming a closure for the inner side of said drum and having a crank pin bearing, an operating ring rotatably mounted on said housing and having lugs and journal orifices brake shoes adapted to engage said drum and having inner central extension operating in radial slideways from said frame and journal orifices in said extension, rollers in said journal orifices in said lugs and extensions and having pivot pins extending therefrom, connecting bars pivotally mounted on said pins from said ring to said shoes, a crank pin mounted in said crank pin bearing, a link joining the crank of said pins to said operating ring and spring from said frame to said operating ring and normally maintaining said shoes in an inoperative position.

1,502,727. TRANSMISSION JOINT AND SHOCK ABSORBER. ALPHONSE JOSEPH LAVOIE, Montreal, Quebec, Canada. Filed Jan. 4, 1922. Serial No. 526,956. 5 Claims. (Cl. 64—89.)



1. In a device of the class described, a ball casing and a socket therefor, a compression member holding said casing to said socket, a ball member in said casing and a torsion tube forming the connecting piece from said ball member.

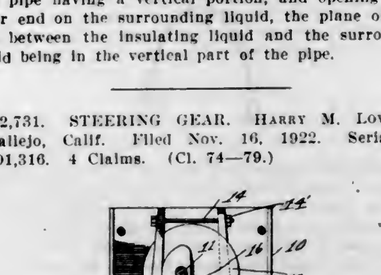
1,502,728. STEERING MECHANISM. ALPHONSE JOSEPH LAVOIE, Montreal, Quebec, Canada. Filed Jan. 21, 1922. Serial No. 530,878. Renewed June 3, 1924. 6 Claims. (Cl. 74—79.)



1. In a steering mechanism, a housing permanently capped at one end and forming a case adapted to receive the operating parts from the open end, shaft bearings in said cap, a shaft journalled in said shaft bearings and having a shoulder towards the outer end of said case, shaft bearings having one member supported on said shoulder, a fixed screw and a sliding screw on said shaft, upper and lower nuts driven by said screws, a crank lever suitably operated by and between the ends of said nuts, and an adjusting nut screwed into said case at the outer end and engaging the other member of the outer bearings and suitably locked.

1,502,729. METHOD OF ASSEMBLING RADIATOR CAPS. ALOYSIUS C. LIPPERT, Kenosha, Wis., and JOHN A. SINKO, Chicago, Ill., assignors to Advance Products Corporation, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 3, 1923, Serial No. 655,406. Divided and this application filed Oct. 17, 1923. Serial No. 669,020. 4 Claims. (Cl. 29—84.)

1. A method of assembling radiator caps formed with an inner and outer collar, which consists in positioning the inner collar within an outer grooved collar, positioning an expansible die within the inner collar, and

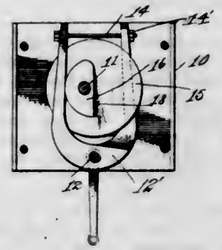


exerting expanding pressure upon said die to project portions of the inner collar into the groove of said outer collar.

1,502,730. MEANS FOR LUBRICATING AND COOLING A SUBMERGED AND INSULATED ELECTRIC MOTOR. RENÉ LONGUE, Pantin, France. Filed Mar. 7, 1921. Serial No. 450,361. 4 Claims. (Cl. 172—36.)

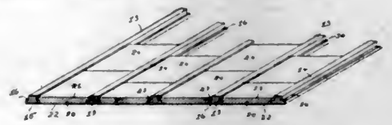
1. In a submersible electric motor, a casing adapted to contain a motor and filled with an insulating liquid, a surrounding liquid a conducting pipe terminating at one of its ends at the upper part of the casing, the said pipe having a vertical portion, and opening at its other end on the surrounding liquid, the plane of junction between the insulating liquid and the surrounding liquid being in the vertical part of the pipe.

1,502,731. STEERING GEAR. HARRY M. LOVELACE, Vallejo, Calif. Filed Nov. 16, 1922. Serial No. 601,316. 4 Claims. (Cl. 74—79.)



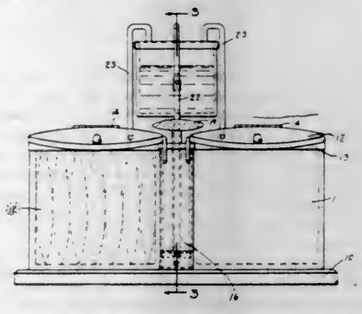
1. A steering gear including a driving shaft, a driven shaft, a yoke fixed on the driven shaft and having its arms offset in parallel planes, a disk carried by the drive shaft and rotatable in a plane between the planes of the arms, and means on the disk engaging the arms for rocking movement of the yoke.

1,502,732. WALL AND CEILING STRUCTURE. TIMOTHY LYDON, Baltimore, Md. Filed Jan. 19, 1922. Serial No. 530,325. 2 Claims. (Cl. 72—19.)



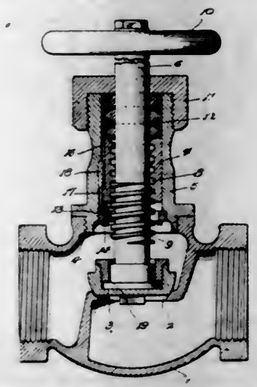
2. The combination with spaced apart supporting means, of flanged rails secured to said supporting means and extending crosswise of the latter, separate slabs each having side flanges which engage and are sustained by the rail-flanges and said slabs also having an underlapping flange at one end and an overlapping flange at the opposite end whereby the adjacent ends of the several slabs may be lapped and supported at the end one by the other.

1,502,733. HUMIDOR. ALBERT R. MCCOMB, Indianapolis, Ind. Filed June 29, 1923. Serial No. 648,480. 7 Claims. (Cl. 131—30.)



1. In a device of the class described a substantially air-tight compartment having a closure therefor, a liquid containing vessel, and means controlled by the movement of said closure for causing air to pass through the liquid in said vessel into said compartment.

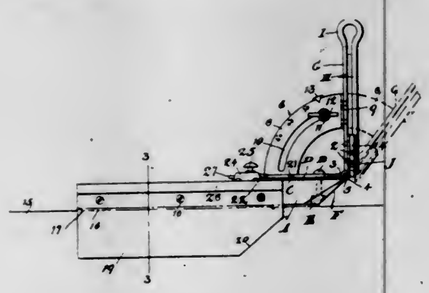
1,502,734. VALVE. TREVILLIE OWEN MARTIN, Jackson, Tenn., assignor of one-half to William T. Young, Indianapolis, Ind., and one-half to William H. Timmons, Jackson, Tenn. Filed June 22, 1923. Serial No. 647,067. 2 Claims. (Cl. 251—50.)



1. In a cut-off valve, the combination of a bonnet, a floating nut therein, packing supported by the nut, a stop collar at the lower end of the bonnet, means to

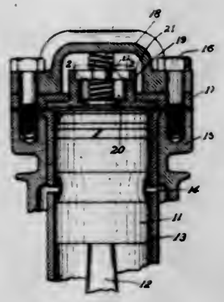
limit upward movement of the nut, and a valve stem passing axially through the nut and the bonnet and operatively engaged with the nut.

1,502,735. CARPENTER'S MITER. JAMES MATHIESON, Toronto, Ontario, Canada, assignor of one-half to Robert Morton Hilditch, Toronto, Ontario, Canada. Filed Aug. 5, 1922. Serial No. 579,812. 1 Claim. (Cl. 143—88.)



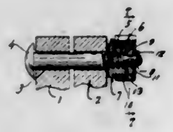
A tool of the class described comprising a body-portion adapted to be placed upon the wooden member to be cut; a quadrant horizontally pivoted to one end of said body-portion; a saw-guide; a pair of plates associated with said saw guide and between which a saw blade is designed to operate, the inner of said plates having a hinge connection with the forward edge of said quadrant; a vertically-disposed segmental plate or quadrant associated with said saw guide to permit said guide to be moved into any angular position out of the vertical; means co-acting with said segmental plate or quadrant and said body-portion to permit the former to function, and a plate provided at its upper portion with an inverted U-shaped channel laterally carried by said body-portion and extending longitudinally thereof and depending therebelow.

1,502,736. VALVE MECHANISM. WILLIAM D. MERCER, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 11, 1923. Serial No. 631,483. 4 Claims. (Cl. 252—146.)



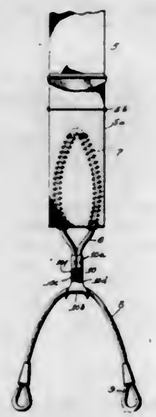
1. Valve mechanism comprising a valve housing, a valve mounting movably supported therein, biased toward valve closing position, and provided centrally with a tubular guide, a valve, having its stem mounted in said guide and arranged to form with said guide a chamber cushioning the movement of said valve in at least one direction, biased to closed position, forming with said mounting means to limit the opening movement of said valve relative to said mounting, and having its stem provided with grooves adapted to collect and retain liquid to increasingly seal said cushioning chamber.

1,502,737. AUTOMATIC BOLT ADJUSTMENT FOR BEARINGS. GUSTAVE L. MILLER, Geneseo, Ill. Filed Dec. 22, 1921. Serial No. 524,095. 3 Claims. (Cl 85—32.)



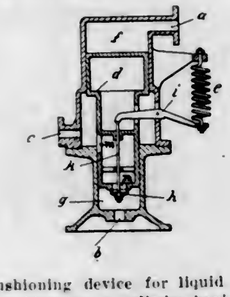
1. A device of the class described, comprising a bolt having a threaded portion near one of its ends, and a squared extension beyond the same, provided with notches in its corners; a nut operable on said thread; a collar capable of being positioned on the squared end of said bolt, in engagement with the notches therein; and a coiled spring uniting said nut and collar.

1,502,738. SUSPENDER CONSTRUCTION. OLLIE E. MOTT, Adrian, Mich. Filed Mar. 7, 1921. Serial No. 450,184. 1 Claim. (Cl. 241—19.)



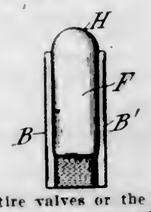
In suspender construction, wherein the webbing carries a pocket to receive a loop portion with its ends projected from the pocket and with the loop portion movable relative to a wall of the pocket in use to vary the projected length of the ends of the loop portion, a buttoning element, and means for operatively and detachably connecting the loop portion and the buttoning element, said means comprising a rigid one-piece member having a portion formed to receive and embracingly clamp the projecting ends of the loop portion to place them in secured permanently-positioned parallel relation in the direction of loop projection, said member carrying a face for supporting the buttoning element, said face being positioned to locate the buttoning element portion which contacts therewith to lie in the plane of such secured ends of the loop portion, whereby the strains of use will maintain the ends of the loop portion in the general plane of such loop portion and free from material transverse movement out of such plane and permit freedom of movement of the loop portion relative to the wall of the pocket through which it extends.

1,502,739. CUSHIONING DEVICE FOR LIQUID CONVEYED UNDER PRESSURE. FRIEDRICH MÜNZINGER, Berlin, Germany, assignor to the Firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Filed Sept. 3, 1921. Serial No. 498,525. 4 Claims. (Cl. 137—53.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



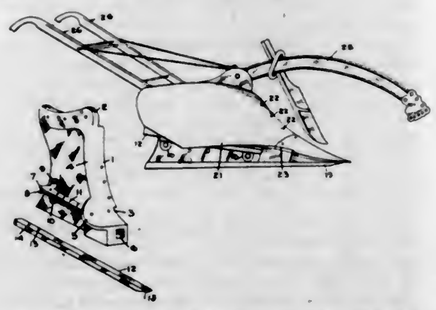
1. In a cushioning device for liquid conveyed under pressure in combination, a cylinder having an inlet near either end, a piston movable in said cylinder and permanently separating said inlets and an overflow in the cylinder wall capable of being covered and uncovered by said piston and of being set in communication with only one of said inlets.

1,502,740. DUST CAP FOR TIRE VALVES. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 12, 1919. Serial No. 289,659. 1 Claim. (Cl. 152—12.)



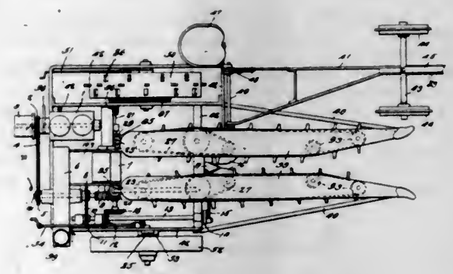
A dust cap for tire valves or the like formed from a single sheet metal blank by a series of bending operations, said cap having a closed end free from projections of any kind and a body portion having a plurality of outwardly directed longitudinally extending ribs formed by the overlapping and interengagement of the longitudinal edges of the blank, and the cap having means for connection to a tire valve or the like.

1,502,741. PLOWSHARE. DAVID ALEXANDER NICOL, Huntingdon, Quebec, Canada. Filed June 8, 1923. Serial No. 644,149. 1 Claim. (Cl. 97—125.)



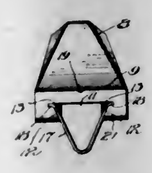
A plowshare comprising a landside plate having a reduced upper end and a reduced lower end and a pierced boss at the lower front end forming a feather base; said plate tapering in longitudinal section from rear to front, a slotted feather secured to said base, a mould board, a running plate tapered in thickness from rear to front and removably secured to said reduced lower end, parallel brackets secured to the inner surface of said landside plate and inclined longitudinally and forming a bar slide in longitudinal alignment with said pierced lug and a digging bar adjustably secured in said slide and pierced bag.

1,502,742. ENSILAGE CUTTER. EDWARD OSCAR O'DELL, Aroya, Colo. Filed Aug. 3, 1921. Serial No. 489,519. 4 Claims. (Cl. 56—16.)



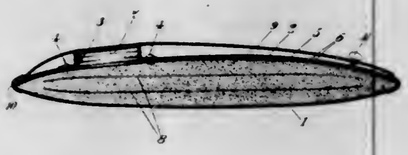
1. In a device of the class described, a frame; guides carried by the frame; first shafts journaled in the guides; gathering chains traversing the guides and driven by the first shafts; a horizontal shaft journaled on the frame and disposed transversely thereof; beveled pinions connecting the horizontal shaft with the first shafts; a ground wheel journaled on the frame; means for connecting the ground wheel with the horizontal shaft; a third shaft journaled on the frame and disposed parallel to the line of advance; beveled pinions connecting the third shaft with the horizontal shaft; a cutter cooperating with the guides; means for connecting the cutter operatively with the main shaft; an ensilage cutter on the frame and located to the rear of the guides, the ensilage cutter including a shaft; an engine on the frame; means for connecting the engine with the shaft of the ensilage cutter; means for connecting the shaft of the ensilage cutter with the third shaft; feed rolls journaled on the frame and located between the gathering chains and the ensilage cutter; and means for driving one of the rolls from the shaft of the ensilage cutter.

1,502,743. CUTTING TOOL. CLARENCE PAGE, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 27, 1921. Serial No. 525,129. 25 Claims. (Cl. 30—9.)



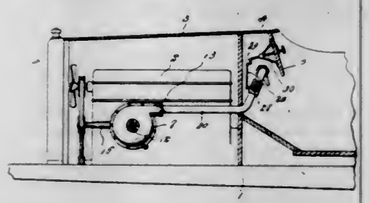
1. In a device of the class described, the combination of a holder, having grooves, and a cutting element having edges retained in said grooves by the resiliency of the cutting element and its intermediate portion suspended out of contact with the holder.

1,502,744. COMPOSITION FOR CHEMICAL HEATERS. OSCAR L. PERRAULT, Albany, N. Y., assignor to Constant Heat Pack Corporation, Albany, N. Y., a Corporation of New York. Filed June 30, 1922. Serial No. 571,981. 8 Claims. (Cl. 44—3.)



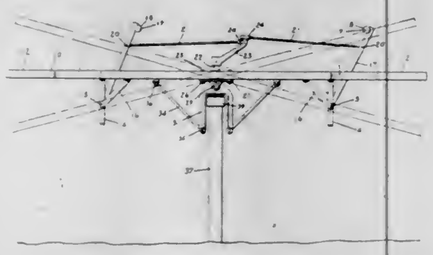
1. A composition for chemical heaters comprising iron, ammonium chlorid, and a reagent adapted to counteract the giving off of ammonia gas by chemical reaction between the iron and ammonium chlorid.

1,502,745. COOLING APPARATUS FOR MOTOR VEHICLES. GEORGE W. PRICE, Leaksville, N. C. Filed Aug. 28, 1922. Serial No. 584,623. 2 Claims. (Cl. 98—23.)



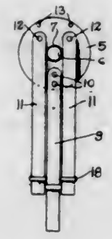
1. In an occupant cooling apparatus for motor vehicles, the combination with a transverse distributing nozzle arranged in an elevated horizontal position directly beneath the cowl of the vehicle, an air pipe leading to said nozzle, an air blower connected to said air pipe, driving connections between said blower and the engine of the vehicle, means whereby said nozzle may be rotated from the driver's seat to direct the air in the desired direction, a valve in said air pipe whereby the supply of air to the nozzle may be controlled or cut off, and means on the instrument board of the vehicle for operating said valve.

1,502,746. TEETERING ROUNDABOUT. HAROLD C. ROEMPKE, Indianapolis, Ind. Filed Feb. 24, 1922. Serial No. 538,858. 5 Claims. (Cl. 46—27.)



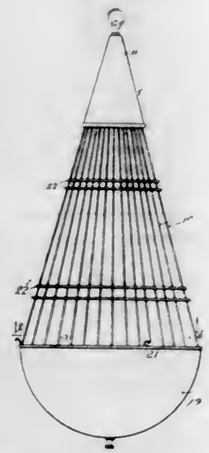
1. A teetering roundabout comprising a board having a slot intermediate its ends, a stationary pivot extending through said slot for rotatably supporting the board, a second pivot for teeteringly supporting said board upon an axis at right angles to said first pivot and rotatably supported by said first pivot, and a reversible board rotating construction associated with the stationary pivot, including a pair of handles each pivotally supported near each end of the board, and an eccentric connected to both handles and to the stationary pivot.

1,502,747. FOLDABLE TURNTABLE FOR TALKING MACHINES. SOLOMON SACHS, New York, N. Y. Filed Feb. 26, 1924. Serial No. 695,279. 1 Claim. (Cl. 274—39.)



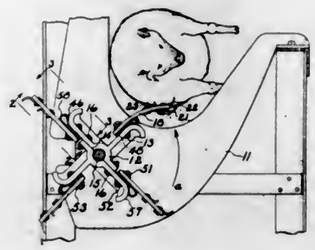
1. A turn table comprising a disk member, an arm fixedly connected to said disk member, and a plurality of arms pivotally mounted on said disk member and adapted to move in a plane parallel thereto, said movable arms being adapted to fold parallel to and against said fixed arm.

1,502,748. BIRD CAGE. WILLIAM FREDERICK SCHLEICH, New York, N. Y., assignor to Schleich Studios, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 2, 1922. Serial No. 604,481. 1 Claim. (Cl. 119—17.)



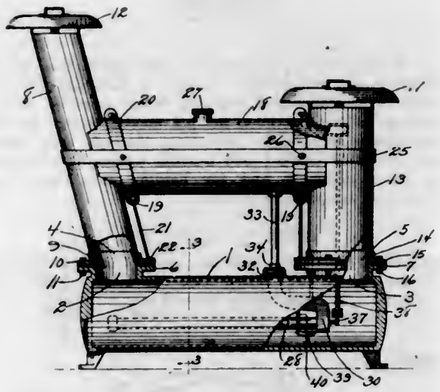
A bird cage construction, comprising a conical shield, an opaque hemispherical shield, bars radiating from said conical shield and extending into said hemispherical shield, said bars being attached to said conical shield, and terminating in set-off portions within said hemispherical shield, receptacles on said off-set portions, and means for holding said hemispherical shield releasably over the said off-set portions.

1,502,749. SCRAPING MEANS FOR CARCASS-DEHAIRING MACHINES. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 14, 1923. Serial No. 638,729. 8 Claims. (Cl. 17—18.)



1. A carcass scraper comprising a support, a resilient arm thereon provided with a slit at its outer end to form a plurality of supplemental arms side by side at said outer end, scraper-blades on said respective supplemental arms, and a scraper-blade at the base of said slit.

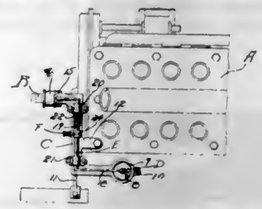
1,502,750. HEATER. GEORGE R. SECREST, McRae, Mont., assignor of one-half to John H. Kifer, Hardin, Mont. Filed Feb. 1, 1924. Serial No. 690,022. 5 Claims. (Cl. 126—360.)



1. A device of the class described including a body tank, a burner in the body tank, a pair of collars rising from the ends of the body tank communicating therewith, a draft pipe engaged with one collar, a casing engaged with the other collar, each collar provided with a flange, rings engageable with the flanges for holding the pipe and the casing in place, a supply tank disposed between the pipe and the casing, a pair of straps about the supply tank, rods depending from said straps and terminating in arcuate feet resting on the rings and bolted to the flanges of the collars and means within the casing for controlling the burner.

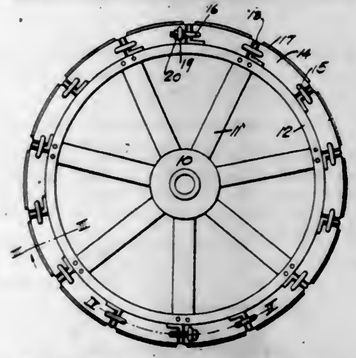
1,502,751. AIR COMPRESSOR FOR MOTOR VEHICLES. WALTER A. SHALLENBERG, Salem, Ohio. Filed Apr. 28, 1923. Serial No. 635,325. 3 Claims. (Cl. 230—27.)

1. In an air compressor, the combination with a cylinder and piston, of an operating cam, operating means connecting said cam with said piston comprising a reciprocating rod, a plurality of levers, a connecting shaft between said levers, support for the operating means



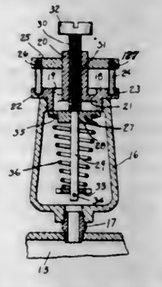
having bearings for said shaft, and a spring coiled about the connecting shaft with one of its ends rigidly held thereby and the other engaging the support.

1,502,752. TRACTOR-WHEEL TREAD. EMMETT THOMAS CRAIG and CLARENCE FREDRICK SILLS, Memphis, Tenn. Filed Jan. 13, 1922. Serial No. 529,084. 6 Claims. (Cl. 301—39.)



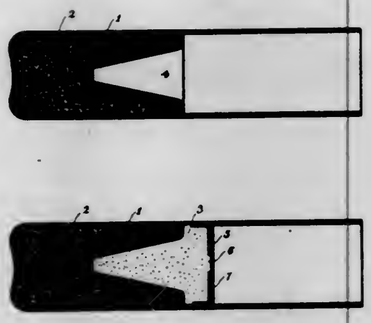
3. In a vehicle wheel, the combination with the rim thereof and transverse flanges projecting from said rim, of a temporary tread member comprising two series of sections adapted to be detachably engaged directly with said rim and disposed between said flanges, each series comprising metal retainers, resilient treads secured by and projecting beyond said metal retainers, U bolts hinging said retainers together, and L shaped bolts detachably connecting the end retainers of the two series.

1,502,753. RELIEF VALVE FOR INTERNAL-COMBUSTION ENGINES. LEONARD SLIGER, Indianapolis, Ind. Filed Apr. 12, 1923. Serial No. 631,648. 4 Claims. (Cl. 277—65.)



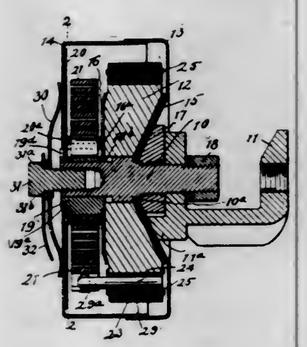
1. An air relief valve for an internal combustion engine, including a valve body in communication with the engine intake, and having an opening therein, a valve normally closing said opening and subject to the suction of the engine, and a cap for closing said opening, and seatable by said suction.

1,502,754. DETONATING OR BLASTING CAP. JOHN B. SMITH, East Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Feb. 10, 1923. Serial No. 618,243. 21 Claims. (Cl. 52—4.)



1. A detonating or blasting cap containing as a combined charge a sensitive explosive mixed with a less sensitive aromatic nitro-compound.

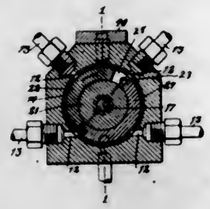
1,502,755. REBOUND CONTROLLER. JACOB R. SNYDER, Cleveland, Ohio, assignor to The Star Rebound Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1922. Serial No. 548,923. 29 Claims. (Cl. 267—10.)



1. A rebound controller for relatively movable bodies, said controller adapted to be supported on one of the latter and comprising a drum rotatable in opposite directions, a belt wound on the drum and adapted to be connected to the other body and serving to rotate the drum in one direction and to unwind from the drum as the bodies recede from each other, a spring associated with the drum and serving to rotate the drum in the opposite direction and to cause the belt to be wound onto the drum when the bodies approach each other, and friction means engaging the drum and imposing a predetermined uniform frictional resistance to rotation of the drum in both directions.

1,502,756. COMBINED PUMP AND DISTRIBUTOR. ARTHUR W. THOMPSON, Ottawa, Ontario, Canada. Filed Apr. 14, 1922. Serial No. 552,744. 25 Claims. (Cl. 103—129.)

1. A pump including a pair of rotatable relatively movable members cooperating to form a chamber of varying capacity, driving means for one of said members, yielding connections between said members tending to maintain the chamber at one limit of capacity and means for overcoming the action of said yielding means and



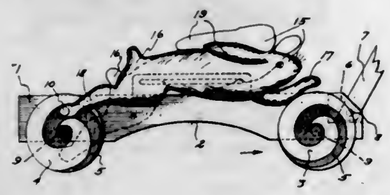
effecting a relative movement of said members and a change in the capacity of said chamber at a predetermined point in the revolution of said members.

1,502,757. LOOSE-LEAF CHECK BOOK AND FLEXIBLE BINDER THEREFOR. ABRAHAM VAN NOSTRAND, Sea Cliff, N. Y. Filed June 2, 1923. Serial No. 642,885. 4 Claims. (Cl. 129—23.)



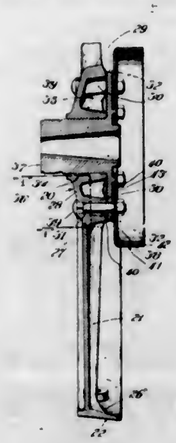
1. In a loose leaf check book, the combination with a plurality of independent leaves, a backing for said leaves, said leaves and backing being provided with a plurality of perforations, flexible elastic means in said perforations and keys projecting through said means near the ends thereof and bearing against the backing for quick assembly and for holding said leaves and backing in assembled position.

1,502,758. FIGURE WHEEL TOY. JOSEPH VILLANI, Brooklyn, N. Y. Filed Oct. 3, 1922. Serial No. 592,001. 1 Claim. (Cl. 46—45.)



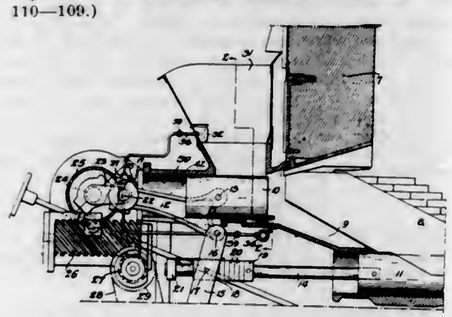
A figure wheel toy comprising a longitudinal body, front and rear wheels supporting said body, a plate rigidly secured to said body intermediate its length, side walls on said body formed by bending said plate parallel to its longitudinal edges, horizontal slots in said side walls, a crank pin in each rear wheel positioned diametrically opposite each other, animal figures, pins projecting from the rear face of said figure, said pins being located intermediate the length of said figures, the pins being slidably secured in the slots of the side walls, the hind legs of said figures being secured to the crank pins of the rear wheels, said rear wheels when rotated being adapted to tilt both ends of the figures alternately.

1,502,759. METAL WHEEL. CHARLES E. WADE, Detroit, Mich., assignor to Jefferson Forge Products Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 7, 1921. Serial No. 506,032. 8 Claims. (Cl. 301—65.)



5. In a forged wheel, a unitary structure comprising spokes and a center-body into which the roots of said spokes merge, said center-body providing a disk portion, a collar portion, and laterally projecting strengthening posts on the disk portion terminating at the inner plane of the center-structure.

1,502,760. JET AGITATOR FOR FUEL-FEEDING DEVICES. JOHN A. BARNARD, Philadelphia, Pa. Filed Sept. 13, 1920. Serial No. 410,079. 17 Claims. (Cl. 110—109.)

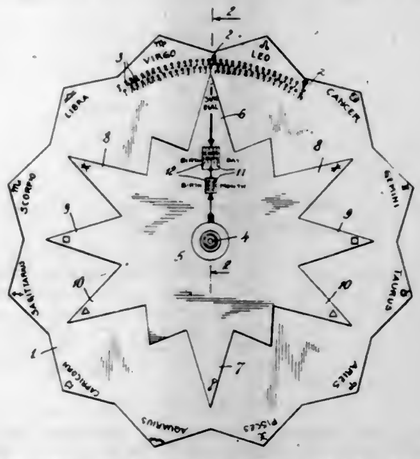


11. In a nozzle for use in breaking down arches of fuel in lines of fuel flow, an upwardly directed nozzle located in the line of flow of the fuel and a protecting cover for the said nozzle extending diagonally upwardly and outwardly further into the line of flow from the orifice of said nozzle, in combination with walls forming a gravity fuel passage for the fuel flow.

16. The method of breaking up arches of fuel in a gravity feeding system for a plunger conveyor which consists in directing a fluid jet upon the arch at intervals and timing the intervals to correspond with retracted positions of the plunger.

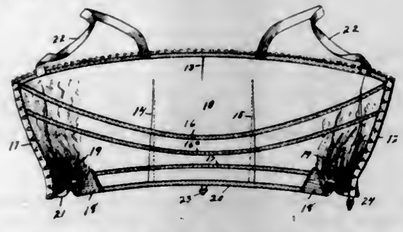
1,502,761. ASTROLOGICAL CHART. BELLE BART, New York, N. Y. Filed Dec. 22, 1922. Serial No. 608,400. 4 Claims. (Cl. 35—3.)

1. Apparatus for casting horoscopes comprising a chart representing the zodiac bearing characters denoting the several signs thereof, said chart bearing additional characters denoting the days of the months which latter characters are so arranged that the one designating the approximate day in which the sun enters any sign is substantially in radial alignment with the beginning of that sign, a plurality of markers each representing a planet and adapted to be placed in the signs



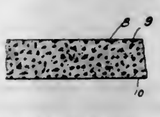
of the zodiac, and a revoluble member provided with a series of indicators constituting a system of angles of which one indicator forms the base and the others are spaced substantially 60, 90, 120, and 180 degrees therefrom.

1,502,762. BRASSIÈRE. SAMUEL BARUCH, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,930. 4 Claims. (Cl. 2—42.)



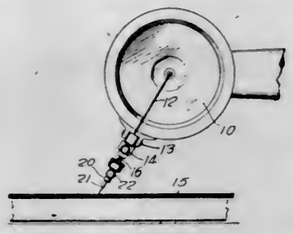
1. A brassière including a fabric body portion of substantially inelastic material having a pair of reinforcing strips extending transversely across the front in vertically spaced relationship, the upper strip being disposed above the waist line but below the bust, and thence upwardly and rearwardly to the center line of the back, and the lower strip substantially following the waist line and terminating at the hips, and elastic means for holding said second mentioned strip substantially taut and maintaining any fullness of the body portion at the back.

1,502,763. PENCIL AND PROCESS OF MAKING THE SAME. LUCIAN W. BUGBEE, Indianapolis, Ind. Filed Jan. 18, 1924. Serial No. 687,032. 6 Claims. (Cl. 18—47.5.)



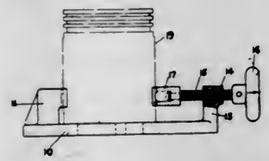
1. The process of making a pencil, which process includes forming a lead of clay and carbonaceous material intermixed, second in heating said lead so as to oxidize the carbonaceous material and leave a lead formed of hard honeycombed clay, and afterwards filling said lead with colored pigment.

1,502,764. TONE MODIFIERS FOR PHONOGRAPHS. EDWIN COULSON CLARK, Canton, and ARTHUR T. BROWER, Cleveland, Ohio. Filed Nov. 20, 1922. Serial No. 602,045. 3 Claims. (Cl. 274—37.)



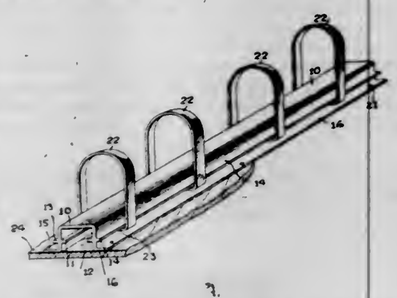
3. A tone modifier for phonographs, comprising a socket member embodying a stylus socket and a chamber filled with compressible cushioning material, a spindle extending into the chamber and having a head embedded in cushioning material, and a closure for the chamber adapted to exert varying degrees of compression on the cushioning material.

1,502,765. METHOD OF FITTING PISTONS. MARTIN B. COVERT, Indianapolis, Ind. Filed Apr. 30, 1923. Serial No. 635,480. 7 Claims. (Cl. 29—156.5.)



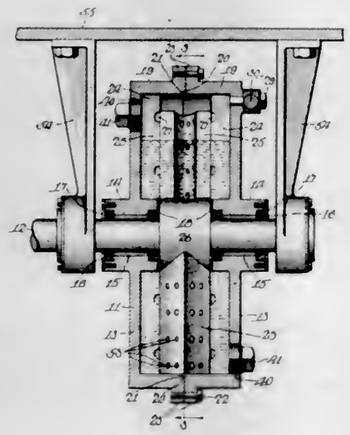
1. The method of fitting a piston to a cylinder which comprises forming diametrically disposed slots through the piston between the head and skirt, and applying force to the piston skirt along a diameter thereof to lengthen the diameter at substantially right angles thereto.

1,502,766. INSERT FOR CONCRETE CONSTRUCTION. JAMES F. CURLEY, Yonkers, N. Y., assignor to Concrete Steel Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 5, 1921. Serial No. 442,670. 2 Claims. (Cl. 72—105.)



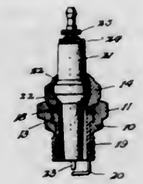
1. An insert for concrete construction of the character described comprising a channel having parallel side walls with opposed ledges projecting respectively outwardly and inwardly from each side wall in a plane spaced from the top and bottom of said channel, the inwardly projecting ledges being arranged to receive and retain a bolt head and being recessed at opposite points to permit the insertion and removal of a bolt head, and the outwardly projecting ledges being arranged to be anchored in the concrete; and a flange parallel to the opposed ledges projecting from the outer edge of each side wall and arranged to be secured against a form, substantially as described.

1,502,767. POWER TRANSMITTER. WILLIAM DAVIS, Chicago, Ill. Filed Nov. 15, 1922. Serial No. 601,028. 5 Claims. (Cl. 188—162.)



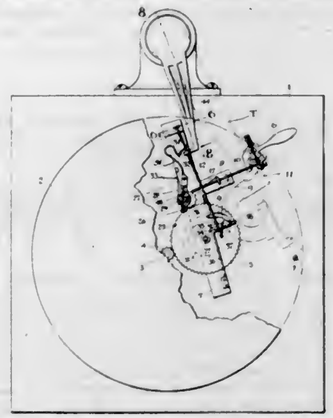
1. In a mechanism of the class described, the combination with a driven shaft, of a wheel mounted on said shaft to rotate therewith, a plurality of paddles fixed to said wheel and extended therefrom, a container surrounding said wheel and its paddles and mounted on said shaft for independent oscillatory movement, said container having on at least one side of the paddle wheel within its cavity a plurality of radially disposed webs, a spring actuated sliding valve mounted on one of the walls of the container for inward and outward movement with respect thereto for co-operation with said paddles, and semi-fluid material partially filling said container.

1,502,768. SPARK PLUG. ADOLFO DE CLAIRMONT, Toledo, Ohio. Filed Mar. 29, 1923. Serial No. 628,516. 3 Claims. (Cl. 123—109.)



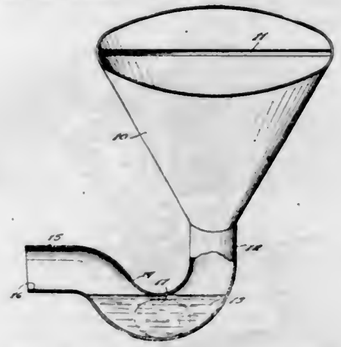
1. A spark plug including a shell, a bushing thereon having a vent passage through its wall normally covered by the shell, the bushing being provided with a depending skirt slidably fitting within the lower end portion of the shell for centering and guiding the bushing, an electrode carried by said skirt, and an electrode insulatingly supported by said bushing to cooperate with said first mentioned electrode forming a spark gap therebetween, the bushing being adjustable upon the shell to uncover said passage without disturbing the gap.

1,502,769. NONSET STOP FOR PHONOGRAPHS. JAMES E. FELTNER, Hancock, Md., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed May 25, 1920. Serial No. 384,087. 38 Claims. (Cl. 192—118.)



1. A phonograph stop, including step-by-step moving safety means adapted to prevent stopping of the turntable through cessation of movement of the tone-arm during a predetermined period.

1,502,770. EGG SEPARATOR. HENRY CHARLES FRENIER, Troy, N. Y. Filed May 14, 1924. Serial No. 713,316. 5 Claims. (Cl. 146—2.)



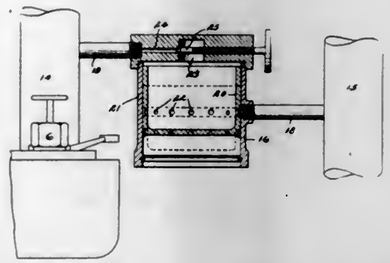
1. A device of the class described comprising a funnel, a neck at the narrow end thereof, said neck having a pocket formed therein, and a nozzle formed at its free end arranged above said pocket.

1,502,771. BELT BUCKLE. NICKETAS C. GOVIS, Seattle, Wash. Filed Oct. 11, 1922. Serial No. 593,754. 6 Claims. (Cl. 24—180.)



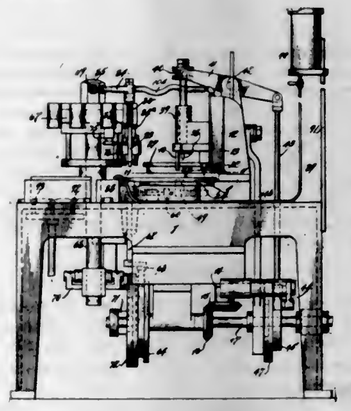
1. A belt buckle embodying a clasp member; a gripping member pivotally mounted upon said clasp member, said gripping member having a projecting thimble; means to releasably secure said gripping member to one end portion of a belt; and a recess in said clasp wherein said thimble may be projected, and releasably secured.

1,502,772. APPARATUS FOR IMPROVING AND INCREASING THE USEFUL RESULTS OBTAINABLE FROM GASOLINE OR OTHER FUEL IN INTERNAL-COMBUSTION ENGINES AND THE LIKE. FREDERICK GRINHAM, St. Louis, Mo., assignor of one-third to Oliver J. Savin, one-sixth to John C. Stiles, and one-sixth to Hugh K. Wagner, all of St. Louis, Mo. Filed Mar. 7, 1921. Serial No. 450,284. 2 Claims. (Cl. 123—119.)



1. In combination, an intake manifold, an exhaust manifold, means affording communication between the intake and exhaust manifolds, a needle valve controlling the passage of fluid through said means, and means controlled by and communicating with the intake manifold for closing communication between said manifolds upon increase of pressure in the intake manifold.

1,502,773. SPOUT-SOLDERING MACHINE. CHARLES GUERITEY, Passaic, N. J., assignor to Passaic Metal Ware Co., Passaic, N. J., a Corporation of New Jersey. Filed Aug. 16, 1922. Serial No. 582,132. 16 Claims. (Cl. 113—59.)

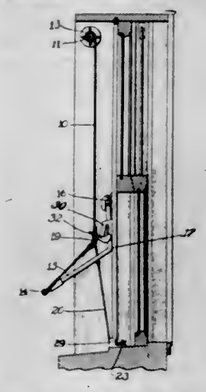


2. The combination of means to support caps, means to puncture the caps, means to support spouts, means to insert the spouts in the punctured caps and means to remove the caps and spouts from the last named means and dip them successively in flux and molten solder.

1,502,774. AWNING. DAVID H. HARNLY, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,725. 21 Claims. (Cl. 156—44.)

8. In an awning, in combination, a spring roller secured in a window frame, an awning canvas carried by said roller, a swinging ball-shaped frame, having its arms bent in vertical planes intermediate their ends, to the cross bar of which the lower end of the awning canvas

is attached, a transverse stiffening rib applied to the awning at a distance from said lower end, the ends of said rib projecting beyond the canvas, fixtures secured to said



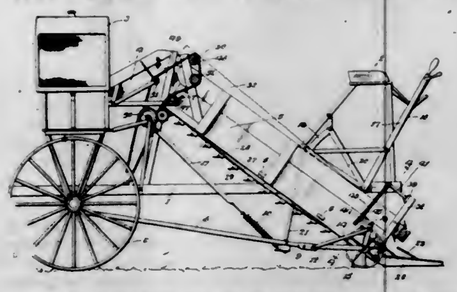
window frame, comprising hooks for engaging said projecting ends and an arm hinged below each of said hooks for lifting said rib clear of said hooks.

1,502,775. SEALING DEVICE FOR RECEPTACLES SUCH AS BOTTLES. WALTER H. HILDICK, East Orange, and HARRY SEMLEAR, Jr., Ridgewood, N. J. Filed May 23, 1923. Serial No. 640,837. 1 Claim. (Cl. 215—73.)



A sealing device comprising a cork adapted to seal a receptacle, said cork having a narrow opening therein, an exposed paper disc adapted to close the said opening and located at the top of the cork, the said disc being adapted to be automatically ruptured when the gas pressure in the said receptacle exceeds a predetermined limit so as to permit the free escape of the gas in the said receptacle, the said opening in the cork being so narrow that any substantial escape of liquid therethrough is prevented by the capillary force exerted by the liquid in the said opening.

1,502,776. VINE PICK-UP. RAYMOND F. HOLSER and JOSEPH V. LOPEZ, Santa Maria, Calif. Filed Jan. 28, 1922. Serial No. 532,398. 2 Claims. (Cl. 198—233.)



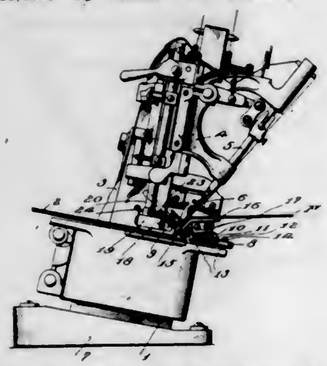
1. In an apparatus for the purpose set forth, the combination of a downwardly and forwardly inclined frame, upper and lower endless conveyers disposed within said frame, the upper conveyer being carried by side bars pivotally hung at their upper ends within the upper end of the frame, a rock shaft mounted upon the frame over the lower end of the upper conveyer, cranks extending rearwardly from said rock shaft, hangers pivoted to and depending from said cranks and secured to said pivoted bars, and adjusting links pivoted at their upper ends to the said cranks and depending therefrom and having their lower portions adjustably secured upon the outer sides of the frame.

1,502,777. DUSTGUARD. FRED HUFNAGEL, St. Louis, Mo. Filed June 4, 1921. Serial No. 475,175. 2 Claims. (Cl. 123—90.)



1. A dustproof box for internal combustion engines comprising a plurality of plates suitably fastened together, said plates consisting of a top plate, a pair of side plates, rear and front plates, the said top plate provided with a flange overlapping the side plates and rear and front plates, said side plates being held in assembled position by angle members and interfitting means engageable with said rear plates, said front plates comprising upper and lower members, said lower member provided with an opening, and a movable plate adapted adjustably to close said opening, and means for securing said lower plates in position.

1,502,778. CONCEALED-STITCH BINDING MACHINE. CHARLES ROBERT HUGHES, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 28, 1921. Serial No. 448,424. 12 Claims. (Cl. 112—2.)

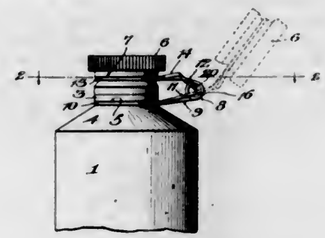


8. In a sewing machine, the combiation of a work support, a feeding mechanism, a needle arranged to reciprocate in a line at an obtuse angle to the work support, a folder for receiving and folding and reversing a binding strip and having means for infolding the upper edge portion of the binding strip about the path of the needle and for directing the inturned portion of the strip across the path of the needle, a support for said folder, and means for attaching said support to the work support of the machine whereby said folder may be adjusted forward and back and laterally for centering the needle in the means for folding the upper edge portion of the binding strip.

1,502,779. COLLAPSIBLE TUBE. WILLIAM C. HUNTOON, East Greenwich, R. I. Filed July 19, 1923. Serial No. 652,549. 2 Claims. (Cl. 221—60.)

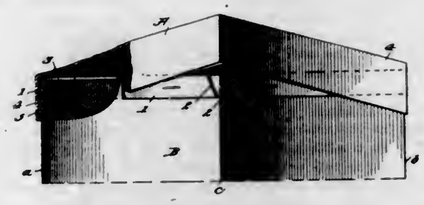
1. In combination with the threaded neck of a collapsible tube having a peripheral groove, a cap threaded over the neck and having a circular peripheral groove, a

single piece of spring wire having a series of coils between its ends, one end of the wire being extended outwardly tangentially to and at the lower arc of the coils and formed into a loop which is engaged in the groove of the neck, said end of the wire being then extended toward the coils and having its free extremity turned at an angle and projecting into one end of the coils, the op-



posite end of the wire being extended outwardly to form an arm tangential to and at the upper arc of the coils and formed into a loop which is loosely received in the groove of the cap and being then extended toward the coils to form a second arm which crosses the first arm and which has its free extremity turned at an angle and projecting into the opposite end of the coils.

1,502,780. BOX. JOSEPH G. HUYE, New Orleans, La. Filed Apr. 25, 1921. Serial No. 464,277. 3 Claims. (Cl. 229—45.)



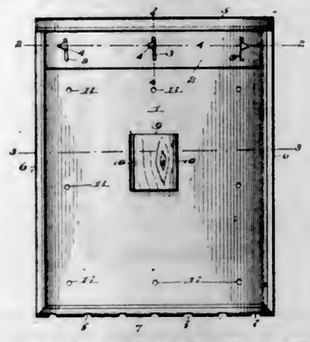
1. A box comprising a body section and a bottom section, the body section being provided with a locking flange adjacent its bottom edge on its exterior face, said locking flange extending around all sides and all but one of the corners of said body section and being cut away at one corner of said body section, and the bottom section being formed with a lip to snugly receive the lower portion of the body section, said lip being provided with a locking flange adapted to engage said locking flange on the body section.

1,502,781. FISHING HOOK. WILLIAM J. JAMISON, Chicago, Ill. Filed Aug. 8, 1923. Serial No. 656,347. 3 Claims. (Cl. 43—27.)



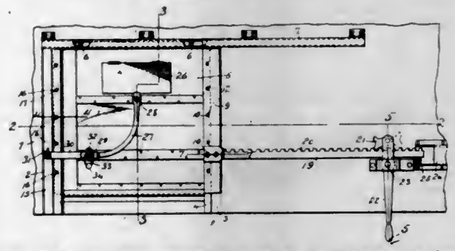
1. A barbless fish hook having a shank and a returned bent end provided with an inwardly directed offset in the plane of the hook, said offset having bevelled sides.

1,502,782. ADVERTISING-CARD HOLDER. RICHARD A. JOHNSTON, New York, N. Y., assignor to Barron G. Collier, Inc., New York, N. Y. Filed Dec. 17, 1923. Serial No. 681,205. 4 Claims. (Cl. 40—64.)



3. In a frame for holding advertising cards, a back plate having means for holding the outer edges of a card carried thereon, a top plate adjustably carried thereon having card-engaging means on its upper edge, and a wooden block removably secured on said back plate intermediate of its vertical and horizontal edges.

1,502,783. CAR-DOOR MECHANISM. CHARLES M. KEMPER, Kansas City, Mo. Filed Apr. 7, 1922. Serial No. 553,418. 2 Claims. (Cl. 20—22.)



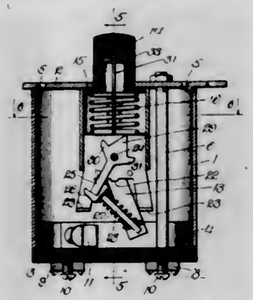
1. In a car door mechanism, a car body having a door jamb, two vertical plates, fixed spacing rings between said plates, the inner plate being attached to said jamb, bolts extending through said plates and respectively through said rings for attaching said plates to said jamb, and a door slidable on said body and having a vertical edge portion adapted to enter and fit snugly between said plates, said edge portion having notches adapted to respectively receive said rings when the door is closed, substantially as set forth.

,502,784. BASEBALL COVER. BERT KENNEDY, Gloversville, N. Y. Filed Oct. 18, 1923. Serial No. 669,346. 2 Claims. (Cl. 46—4.)



1. A cover for baseballs comprising two strips of material of similar form to exactly cover the surface of a sphere with the abutting edges of the strips adapted to be sewed, the portions of the strips at the edges being skived to form bevelled edges.

1,502,785. PUSHBUTTON SWITCH. THOMAS J. KERWIN, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Dec. 2, 1921. Serial No. 519,543. 8 Claims. (Cl. 200—168.)



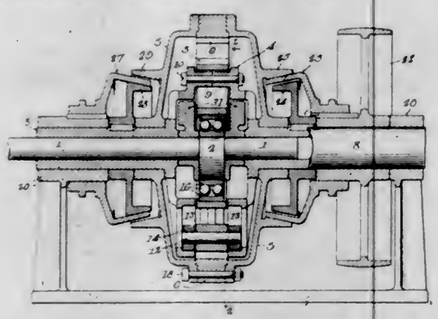
4. A mechanism carrier for a switch in which a pivoted lever is actuated by a slidably mounted push-button, comprising a tubular push-button guide having an integral extension formed for limiting the movement of the said lever in both directions, the push-button guide being laterally contracted to afford an interior abutment for the button retracting spring, the push button guide being laterally contracted to afford an interior abutment for the button retracting spring and having its other end equipped with arms for securing the carrier to the switch casing.

1,502,786. VALVE FOR ATOMIZER BULBS OR THE LIKE. HENRY P. KRAFT, Ridgewood, N. J. Filed Oct. 20, 1921. Serial No. 509,069. 4 Claims. (Cl. 251—127.)



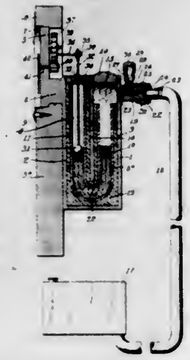
1. A combination of an atomizer bulb or the like and a valve comprising a casing substantially entirely enclosed within the bulb and having a tapered seat, a check valve having a tapered packing adapted to engage said seat and means for holding the valve within the casing.

1,502,787. CHANGE-SPEED GEARING. ALFRED LAUKHUFF, Shorewood, Wis. Filed Mar. 30, 1922. Serial No. 547,997. 6 Claims. (Cl. 74—34.)



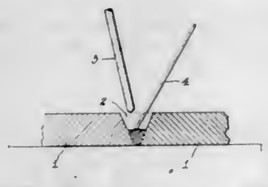
1. In change-speed gearing the combination of a shaft provided with an eccentric, a gyratory gear mounted on the eccentric, an internal gear supported concentrically with said shaft in mesh with the gyratory gear, a guide member composed of sections supported on opposite sides of the gyratory gear concentrically with said shaft and rigidly connected with each other by bolts passing through spacing lugs within openings in and clear of the gyratory gear, and guide pins fastened in one member and extending freely into circular guide openings in the other.

1,502,788. GASOLINE GAUGE. HARRY G. LEE, Boston, Mass., assignor of one-third to Louis D. Covich and two-thirds to David Finklestein, both of Boston, Mass. Filed Mar. 1, 1922. Serial No. 540,284. 2 Claims. (Cl. 73—82.)



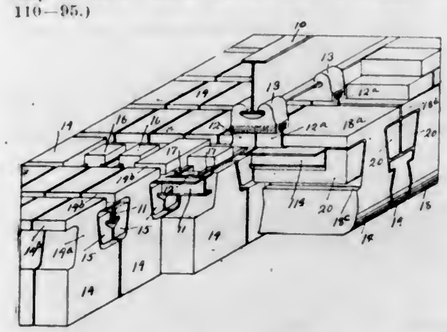
1. A gasoline gauge, including a body consisting of a casting provided at its top with front and rear openings and having an intervening wall or portion terminating short of the lower end of the body and forming two communicating chambers, a mercury tube of U-shape arranged in the said chambers and having its bend or connecting portion located below the said wall, plastic material surrounding the mercury tube and securing the same in position in the said openings, closure plugs secured in the said openings one of the plugs being provided with a slot, a float operating in the front opening and having a rod extending through the slot of the closure plug, a head or member having a pivoted indicating hand or pointer, gearing for transmitting motion from the float to the indicating hand or pointer and for increasing the said motion for causing the hand or pointer to move a greater distance than the float, and a suction or vacuum pipe connecting the gauge with a gasoline tank.

1,502,789. ARC WELDING. JOHN C. LINCOLN, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 22, 1922. Serial No. 562,650. 4 Claims. (Cl. 219—10.)



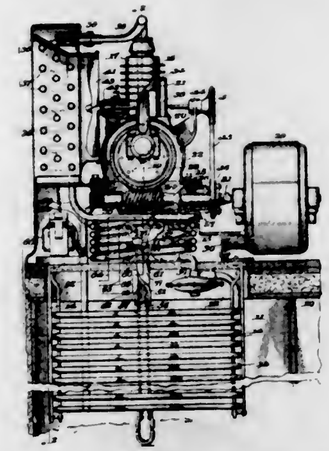
1. In a method of electrically welding together parts composed of a ferrous metal, which consists in striking an electric arc between a suitable electrode and the juxtaposed edges of the parts to be united, and fusing copper by the heat produced in such arc until the space between the parts is filled with such last mentioned metal.

1,502,790. FURNACE ARCH. MICHAEL LIPTAK, St. Paul, Minn., assignor to Liptak Fire Brick Arch Co., Minneapolis, Minn., a Corporation of Minnesota. Filed May 31, 1919. Serial No. 301,024. 9 Claims. (Cl. 110—95.)



1. A fire arch comprising laterally spaced beams, main blocks hung from said beams and forming the under fire exposed surface of the arch, said main blocks having channeled sides, and supplemental blocks located in the channeled side of said main blocks and hung from and protecting the lower portions of said beams independent of said main blocks.

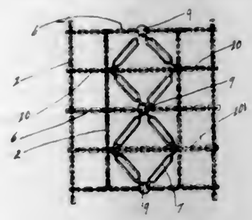
1,502,791. REFRIGERATING APPARATUS. CHARLES L. MCCUEN, Detroit, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 9, 1918. Serial No. 257,437. 11 Claims. (Cl. 62—116.)



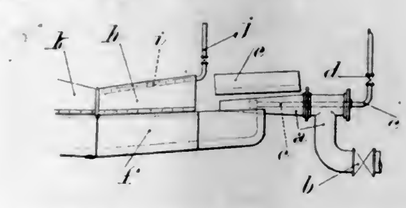
9. In a refrigerating apparatus, in combination, a two-cylinder compressor having a worm wheel and cranks at the sides of the worm wheel, a worm and driving shaft arranged beneath the worm wheel, a fan shaft parallel to the driving shaft above the worm wheel, a motor connected to the driving shaft, and driving connections from the driving to the fan shaft.

1,502,792. TIRE CHAIN. SPANISH MCGEE, Shinnston, W. Va. Filed July 17, 1923. Serial No. 652,075. 2 Claims. (Cl. 152—14.)

1. A tire chain comprising main side chains, transverse chains spanning the side chains, and diamond-shaped tread members consisting of separable links having eyes, and eyes engaging the eyes of the links defining adjacent corners of the tread members and engaged with the transverse chains, and spreader chains connecting the side corners of the tread members with the main side chains.

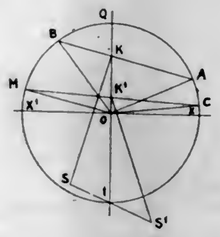


1,502,793. PROCESS FOR REDUCING FUSED SLAG TO GRANULAR FORM. MARTIAL MAGUET, Maxeville, France. Filed Mar. 15, 1920. Serial No. 366,015. 2 Claims. (Cl. 83—91.)



1. Process for granulating by water the highly heated basic calcareous and sulphurous slag from blast furnaces consisting in dividing the jet of slag as it issues from the furnace into small drops by means of an air blast under low pressure equivalent to 20 to 30 centimetres of water whereby the temperature of the slag is initially lowered to about 1300° C. and it loses part of its fluidity without solidifying the said drops being then precipitated direct into water which hardens these drops in fusion and causes them to burst into an infinite number of small vitreous fragments constituting a pozuolanic sand suitable for employment in the manufacture of slag cement.

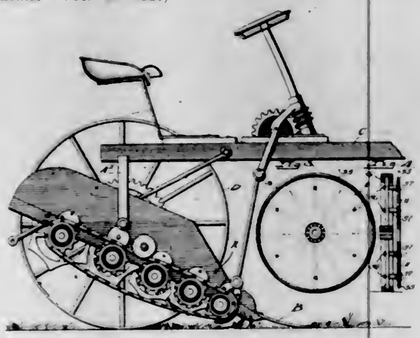
1,502,794. APPARATUS FOR AUTOMATICALLY SOLVING SPHERICAL TRIANGLES. LUCIEN JOSEPH LOUIS MOUREN, Asnieres, France. Filed Aug. 2, 1920. Serial No. 400,825. 4 Claims. (Cl. 235—61.)



1. In an apparatus for automatically resolving a spherical triangle, three elements of which are known, the system comprising in combination: four movable pivots tending to be maintained at the same distance R from the general axis of the apparatus; a slide connecting two of these pivots, another slide connecting the two

others, a pivot fixed at the same distance R from the general axis, a rod rotating about said fixed pivot and having at each side of said pivot a length equal to $\frac{R}{2}$, a guide placed in the plane perpendicular to the general axis which contains the fixed pivot and along the line which joins the fixed pivot to the general axis, and two rods having a length equal to $\frac{3}{2}$ R and one of their ends connected to the ends of the above mentioned rod, the other end of one of these rods being adapted to move at the same time in the first mentioned slide and in the guide, and the other end of the other of these rods being adapted to move at the same time in the second mentioned slide and in the guide.

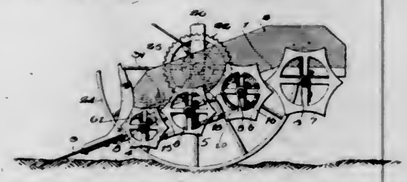
1,502,795. PEANUT DIGGER. JAMES E. PARKER, Norfolk, Va. Filed June 1, 1920. Serial No. 383,596. 7 Claims. (Cl. 55—51.)



1. A peanut digger comprising a chassis, axles secured at the front and rear of the chassis, drive wheels mounted on the rear axle, spaced apart steering wheels mounted on the front axle, cutting discs secured to one side of the steering wheels and of less diameter than said wheels, said discs operable to effect a cutting of the vines within and above the soil, a conveyor at the rear of said discs, and a digging plowpoint mounted to function between said discs and conveyor, said digging point being adapted to penetrate the soil to extricate and elevate the vines to said conveyor.

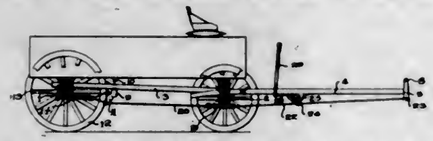
6. The combination in a peanut digger, of a wheel, a circular element having a peripheral cutting edge and being of a diameter less than that of the wheel, and a plurality of spacers for holding the circular element a predetermined distance from the side of the wheel.

1,502,796. CONVEYER FOR PEANUT DIGGERS. JAMES EDWARD PARKER, Norfolk, Va. Original application filed June 1, 1922, Serial No. 383,596. Divided and this application filed July 13, 1922. Serial No. 574,774. 4 Claims. (Cl. 130—32.)



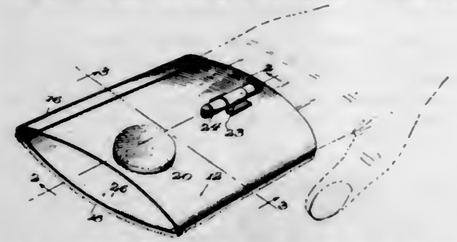
1. In a peanut digger, parallel side rails forming part of a digging frame, bearings carried by said rails in transverse alinement but successively spaced farther apart toward the discharge end of the digger, a shaft journalled in each of the alining bearings, a series of star wheels on each shaft, the wheels of each series being of the same diameter but the wheels of succeeding series being larger than those of the series preceding to afford an overlapping arrangement and avoid spaces between the peripheries of the star wheels, means disposed longitudinally of each of the shafts and associated with the star weels to prevent the vines from wrapping around the shafts, and means for adjusting each of the star wheels independently to enable any desired disposition of the star wheels over the area of the conveyer.

1,502,797. AUTOMATIC WAGON BRAKE. WILLIAM HENRY PERRY, Burdett, Alberta, Canada. Filed Feb. 10, 1923. Serial No. 618,364. 2 Claims. (Cl. 188—115.)



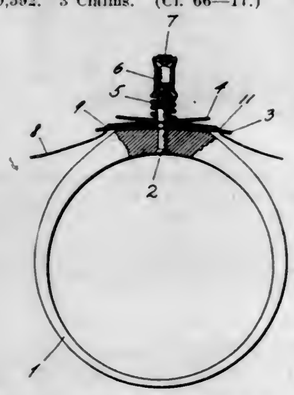
1. In an automatic wagon brake, the combination with the brake actuating rod, of a bracket having an upwardly extending stud thereon, of a link pivotally connected to the rod and straddling the bracket, said link normally held in place on the forward side of the stud and manually operable means for throwing the link to the rear side of the stud.

1,502,798. CLEANING DEVICE. FRANK I. PHOENIX and ALFRED H. BEHRMAN, Reedsburg, Wis. Filed Jan. 27, 1923. Serial No. 615,371. 4 Claims. (Cl. 15—227.)



1. A cleaning article comprising a pair of connected sides forming an open ended body and provided with end flaps turned into the pocket and secured along their side edges to the inner surface of the sides to form finger-receiving pockets, said flaps being gradually increased in width toward their ends whereby the finger-receiving pockets are gradually enlarged toward their inlet ends.

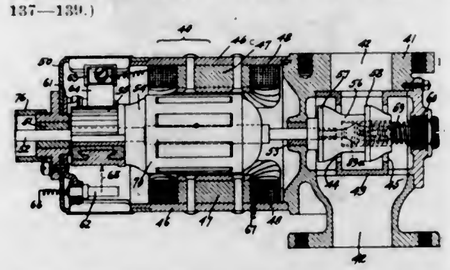
1,502,799. FINGER RING FOR CROCHETING. HELEN R. REES, Portland, Oreg. Filed July 10, 1923. Serial No. 650,592. 3 Claims. (Cl. 66—17.)



3. In a finger ring for crocheting, the combination of a ring, a stud, an ornamental nut on the stud, thread guiding means between ring and nut, said thread guiding

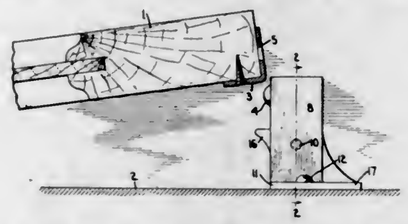
means comprising two convex disks of different diameters, the larger of said disks having oppositely located holes near the periphery, and a compression spring between the disks and the nut.

1,502,800. ELECTRIC THROTTLE GOVERNOR. JAMES B. REPLOGLE, Detroit, Mich., assignor to The Remy Electric Company, a Corporation of Indiana. Filed Nov. 11, 1918. Serial No. 262,010. 16 Claims. (Cl. 137—139.)



1. In a valve controlling mechanism, the combination with a port member; of a rotatable and axially movable shaft; a valve supported by said shaft; and means for moving the shaft endwise to place the valve in various throttling positions and for continuously rotating the shaft, the degree of throttling of said port being unaffected by valve rotation.

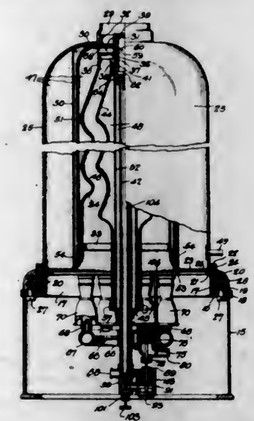
1,502,801. DOOR AND WINDOW CATCH. WALTER G. SCHERER, Cleveland, Ohio. Filed July 30, 1921. Serial No. 488,523. 4 Claims. (Cl. 292—73.)



1. In a device of the character described, the combination, with a hollow, two-part body split along a median line and having a base adapted for attachment to a supporting surface, each part having therein a semi-cylindrical cavity one end of which opens through a wall of such part at a distance from the base, said cavities co-operating to form a recess whose axis is parallel to the base of a spring pressed member located in said recess and movable in a direction substantially parallel thereto, said member having a round nose projecting from said body adapted for engagement with a cooperating movable member.

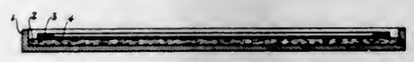
1,502,802. WATER HEATER. JONATHAN P. SMYTHE, Washington, D. C. Filed Oct. 27, 1919. Serial No. 333,767. 5 Claims. (Cl. 236—23.)

1. In a water heater, the combination with a water chamber, a burner or burners for heating water therein, a spring-closed valve for admitting gas to said burner or burners, an outflow tube communicating with said chamber, a normally seated piston valve for preventing outflow of water from said outflow tube, a thermal rod in said outflaw tube, a piston, a cylinder having a chamber in which said piston is movable and which chamber is in communication with the normally closed outflow passage from the heater and which passage opens into said piston chamber at opposite sides of said piston, by suitable ports, so that said piston is normally balanced as to fluid pressure, connections between said gas admission valve and said piston whereby said valve may be opened by said piston when said piston-valve is unseated by expansion of said thermal rod when the fluid pressure at one side of said piston is diminished and the gas admission valve



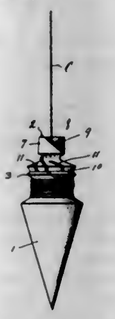
is opened, said piston valve, which closes the dicharge passage from said outflow tube, being arranged to close the communicating port to one side of said piston so that the latter will move to permit the said gas admission valve to be closed by its spring when the temperature of the water rises above a desired point.

1,502,803. MOLD. KENNETH L. WEBER, Augusta, Ga., assignor of one-third to Charles Weber, Cincinnati, Ohio. Filed Oct. 23, 1922. Serial No. 596,180. 2 Claims. (Cl. 18—15.)



1. In a mold, a receptacle, a layer of mercury or quick-silver thereon, an open frame on said mercury or quick-silver and a layer of chemically treated gelatin solution on said mercury within said frame.

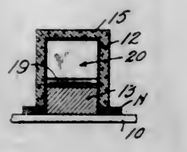
1,502,804. PLUMB BOB. WILLIAM W. WINDHAM, Olympia, Wash. Filed Nov. 3, 1923. Serial No. 672,578. 2 Claims. (Cl. 33—216.)



1. As a new article of manufacture, a plumb bob comprising a body provided with an outstanding post, an outstanding flange carried by the post in spaced relation with respect to the body, the outer end portion

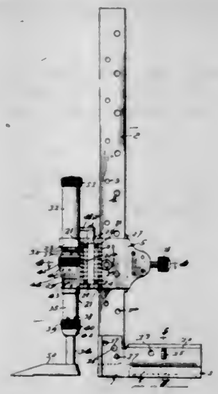
of the post being provided with an eye, there being an open slot in the peripheral surface of the post in communication with said eye, a line being insertible into the eye through the slot, the outer face of the flange being provided with a series of circumferentially spaced grooves, the grooves of the flange extending to a point substantially tangential to the adjacent portion of the post.

1,502,805. DEVICE FOR FORMING HOLLOW ARTICLES OF PLASTIC MATERIAL. JAMES T. WISNER, New York, N. Y. Filed May 8, 1923. Serial No. 637,414. 5 Claims. (Cl. 25—120.)



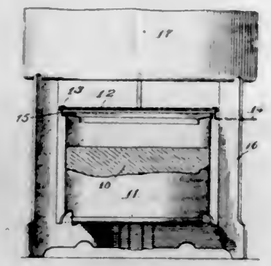
4. In apparatus for forming hollow articles of plastic material, a filler block and a sheet metal shell fitting the external surface of the block and adapted to form the inner surface of the article, a stripper plate provided with a groove to receive and hold the edges of the shell to hold the shell in position in the molded article, said shell having transversely extending strut members attached at their ends to the opposite side walls of the shell, said filler block being provided with slots to receive said rods, and said stripper plate being provided with an opening to provide for removal therethrough of the filler block without removal of the shell.

1,502,806. MICROMETER GAUGE. ALBERT R. BERG, Rochester, N. Y. Filed Oct. 19, 1921. Serial No. 508,661. 12 Claims. (Cl. 33—165.)



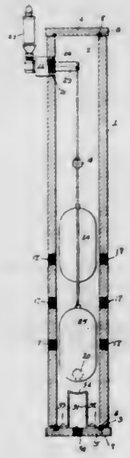
1. In a measuring gauge for the purpose indicated, a base having a blade, a carriage operatively adjustable on the blade and provided with two sets of graduations which progress in opposite directions, a micrometer screw operatively mounted on the carriage parallel to the blade, a gauge implement carried by one end of the micrometer screw for cooperation with the base for making measurements, and means carried by the micrometer screw and arranged between the latter and the blade for cooperating with the graduations on the carriage to indicate various measurements.

1,502,807. CATALYTIC HEATING METHOD AND APPARATUS. CHRISTIAN BERGER, New York, N. Y. Filed May 8, 1922. Serial No. 559,201. 10 Claims. (Cl. 158—113.)



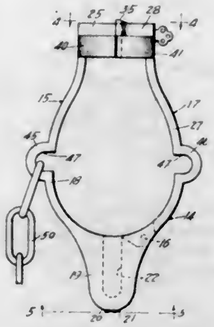
3. A heating apparatus using vaporizable fuel and comprising a wide mouth vessel containing the body of fuel in combination with a catalytic element located at the vessel mouth in position to radiate heat directly to the surface of the body of fuel and induce vaporization of the same and adapted to bring about flameless combustion of vapor from such fuel.

1,502,808. WATER COLUMN. JOHN ROWLAND BROWN, Cleveland, Ohio, assignor to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 25, 1920. Serial No. 412,784. 3 Claims. Claims. (Cl. 137—102.)



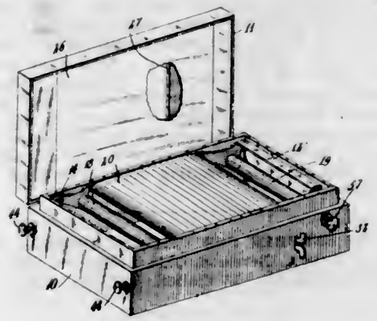
1. A water column adapted to withstand high pressure, comprising a wholly straight cylindrical body portion of tenacious metal, an extension edge at the inner circumference of each of the ends of said body portion, circular end plates of tenacious metal, of substantially the diameter of the body, secured to said body portion, and grooves in said plates to receive said extension edges.

1,502,809. AUTO LOCK. CORNELIUS J. CONNORS, Los Angeles, Calif. Filed Dec. 26, 1919. Serial No. 347,512. 3 Claims. (Cl. 70—90.)



1. An automobile lock of the character described, embodying a body and an arm hingedly secured together and adapted to encircle a tire and felly, means for locking the body and arm in their encircling relation, the body having a ground engaging projection at one end, and the body and arm having a trough-like projection at the side extending outwardly at the side of the encircled tire with the trough facing the tire; the projection forming a ground engaging part to engage the ground if the whole device is rotated around the tire and felly and the trough being adapted for reception of a locking chain or the like.

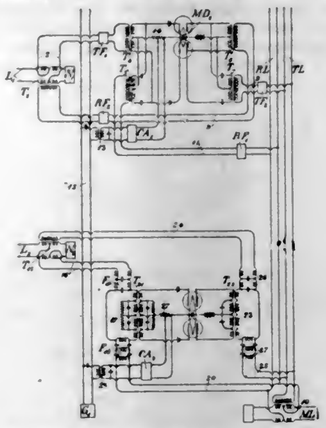
1,502,810. MULTIGRAPHING MACHINE. PIETRO DI COSSIMO, West Pittsburgh, Pa. Filed May 7, 1923. Serial No. 637,166. 6 Claims. (Cl. 101—126.)



1. A device of the class described comprising a box, a cover therfor adapted to receive an impression sheet, a frame hinged in said box to swing vertically, and a backing plate and paper holding rollers carried by said frame.

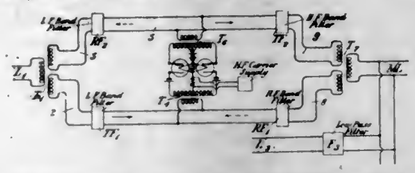
1,502,811. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,500. 13 Claims. (Cl. 178—44.)

2. In a signaling system, the combination with two transmission circuits of a four-wire connecting circuit having a translating circuit connected across the two wire branches of the said four-wire circuit, and con-



tuning means to modulate and demodulate currents impressed thereon.

1,502,812. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,964. 9 Claims. (Cl. 179—15.)



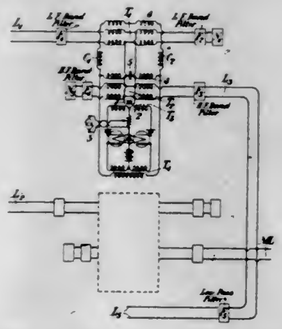
1. In a signaling system the combination with a high-frequency transmission circuit of low frequency signaling circuits, four-wire connecting circuits individual to the said signaling circuits adapted to connect the said transmission circuit with each signaling circuit, each four-wire circuit having a translating circuit connected therewith, one of said translating circuits having means to generate oscillations of carrier frequency and the other translating circuit connected with the corresponding four-wire circuit at the opposite end of the said transmission circuit having means to amplify oscillations of the carrier frequency transmitted over the said transmission circuit from the said first translating circuit.

1,502,813. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,965. 18 Claims. (Cl. 250—9.)



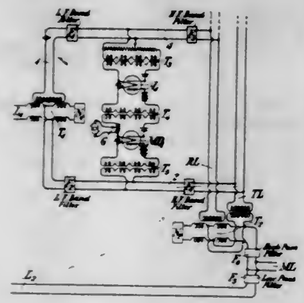
12. In a radio signaling system, the combination with a balanced antenna circuit of a four-wire circuit comprising a modulating-demodulating circuit, and an amplifying circuit for the amplification of currents after modulation and demodulation.

1,502,814. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,966. 14 Claims. (Cl. 179—15.)



11. In a carrier current system, a hybrid coil, a low pass filter and a high pass filter connected to one terminal of the said coil and a high pass filter and a low pass filter connected to the other terminal of the said coil.

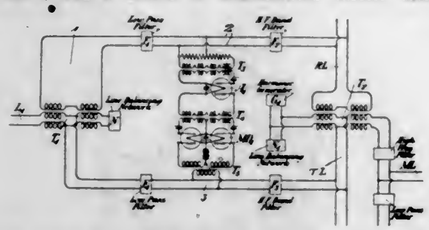
1,502,815. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,967. 10 Claims. (Cl. 179—15.)



10. In a carrier current system, the combination with a high frequency line of a low frequency line, means for modulating currents flowing from said low frequency line to said high frequency line, said means acting also to detect currents flowing from said high frequency line to said low frequency line and an amplifier in series with the said means for amplifying all of said currents.

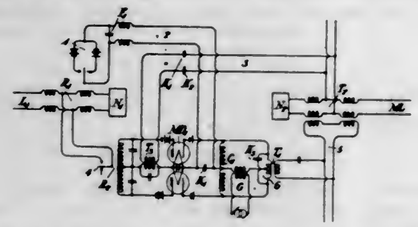
1,502,816. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919. Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,968. 11 Claims. (Cl. 179—15.)

11. In a high frequency signaling system the combination of a main transmission circuit adapted to be connected with a receiving branch circuit and a transmitting branch circuit by a triple winding transformer, a balancing network associated with said transformer adapted to balance said main transmission circuit, a translating circuit having means to impress thereon currents from said receiving and said transmitting branch circuits, and a source of unmodulated carrier oscilla-



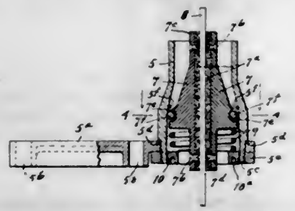
tions connected in parallel with said balancing network, and means connected with the translating circuit for modulating and detecting the transmitted and received currents respectively.

1,502,817. HIGH-FREQUENCY MULTIPLEX SIGNALING SYSTEM. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 30, 1919, Serial No. 327,500. Divided and this application filed Apr. 16, 1921. Serial No. 461,969. 6 Claims. (Cl. 178—51.)



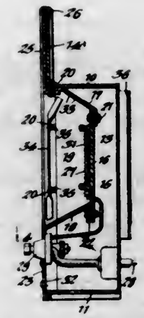
3. In a signaling system, the combination with a low frequency signaling circuit of a high frequency transmission circuit, a four-wire connecting circuit, means responsive to telegraph currents transmitted by the said low frequency circuit to impress corresponding impulses upon the said four-wire circuit, a source of carrier current, means to impress high frequency modulated oscillations upon the said four-wire circuit, and means to modulate the carrier current in accordance with the telegraph currents and demodulate the modulated high frequency oscillations by the carrier current, and to transmit the currents resulting from modulation and demodulation.

1,502,818. SNUBBER FOR VEHICLE SPRINGS. SEAMAN D. FILSON, Cleveland, Ohio. Filed Oct. 16, 1922. Serial No. 594,719. 13 Claims. (Cl. 188—129.)



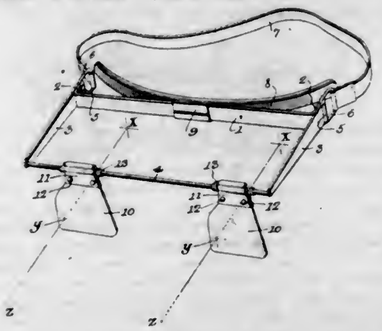
1. A snubber for vehicle springs, comprising a tubular guide block, snubbing members mounted therein and movable vertically and circumferentially thereof, a friction strap between said snubbing members, and means for adjusting said snubbing members in said block relative to said friction strap.

1,502,819. ELECTRIC HEATER. GEORGE N. FROLICK, Buffalo, N. Y., assignor to Frank S. Wendling, Cleveland, Ohio. Filed Sept. 29, 1922. Serial No. 591,217. 4 Claims. (Cl. 219—34.)



1. A heater of the character described, comprising a casing open at its front side, a shell arranged in said casing and spaced from the walls thereof to form an air space the bottom wall of said shell being detachable and in spaced relation to the corresponding bottom wall of the casing and having a depending front portion for closing the space between said walls, and an electric heating element mounted on the rear wall of said shell, the latter being provided at its upper and lower ends with air passages communicating with said air space.

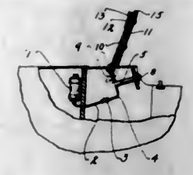
1,502,820. ANTIGLARE GOGGLES. WARREN S. FUNK, Sioux Falls, S. Dak. Filed Oct. 29, 1923. Serial No. 671,451. 4 Claims. (Cl. 2—149.)



2. Anti-glare goggles comprising a supporting frame having a horizontally arranged cross bar, means for supporting said bar on the head of the wearer, two translucent lenses slidably mounted on said cross bar and independently adjustable sidewise on said bar, and means for holding each lens against accidental displacement in any desired position on the bar.

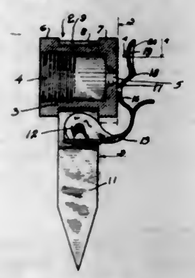
1,502,821. WINDSHIELD SPRAYER. SAMUEL A. HARRINGTON, Portland, Oreg. Filed Nov. 11, 1922. Serial No. 600,449. 1 Claim. (Cl. 20—40.5.)

A device of the character described, comprising in combination, an automobile dashboard, an instrument board, and a wind shield, a container attached to the dash board, manually operable pumping means inserted in the instrument board, said pumping means comprising a cylinder traversing the instrument board at right angles, a flange around the top of the cylinder, said flange being secured to the visible surface of said instrument board, a piston movably mounted in the cylinder, said piston having a handle extending beyond the top of the cylinder, a tube traversing the bottom of the cylinder diametrically, said tube having a lateral opening communicating with the cylinder and being air tight secured in the walls of the cylinder, a one-way valve secured in each end of said tube, clamps attached to



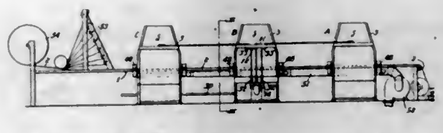
the top of the wind shield, a perforated tube rigidly secured in the clamps, a rigid connecting tube between one of said valves and said container, and a flexible tube between the other of said valves and the perforated tube, whereby said perforated tube is capable of following the relative movements of the wind shield.

1,502,822. SPRAY NOZZLE. CLYDE E. HILL, Fort Logan, Colo. Filed Mar. 13, 1922. Serial No. 543,399. 2 Claims. (Cl. 299—18.)



1. A spray nozzle, comprising in combination, a body member adapted to be secured to the end of a hose and provided with an opening in one end thereof, a deflector plate hingedly secured thereto and extending upwardly in front of said opening, the portion of said plate directly in front of the opening being upwardly and forwardly inclined, the portion directly above said inclined portion being upwardly and rearwardly inclined, and the remaining portion being upwardly and forwardly inclined.

1,502,823. SPRAYING MACHINE. LESLIE E. FROST, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,234. 6 Claims. (Cl. 91—45.)

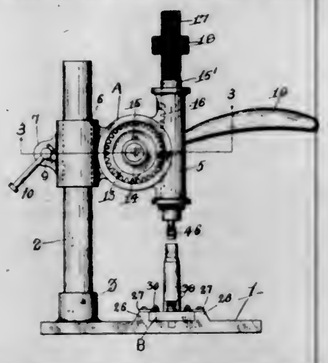


1. A spraying machine having, in combination, a movable spraying device, means for causing material to be sprayed to pass thereunder, and means for causing the spraying device to move laterally across said material.

1,502,824. CARTRIDGE-RELOADING TOOL. LOUIS HAROLD HUETER, San Francisco, Calif. Filed Mar. 24, 1923. Serial No. 627,442. 12 Claims. (Cl. 86—23.)

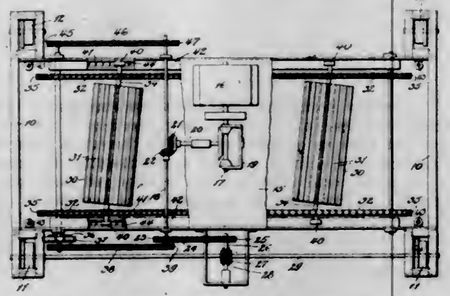
7. A tool of the class described including a base member, a casting arranged above the base and mounted for adjustment toward and away from the base, a bearing

sleeve formed integral with the casting, a plunger mounted within the bearing sleeve, said casting including a housing, a shaft extending into the housing, a gear mounted upon the shaft and arranged within the housing, a handle upon the outer end of the shaft whereby move-



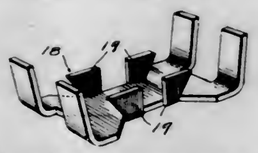
ment of the handle in the arc of a circle will impart a rotary movement to the gear, means carried by the plunger co-operating with the gear to impart reciprocating movement of the plunger upon rotation of the gear, and a tool detachably connected to the lower end of the plunger.

1,502,825. ROAD-SURFACING MACHINE. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 524,876. 5 Claims. (Cl. 94—48.)



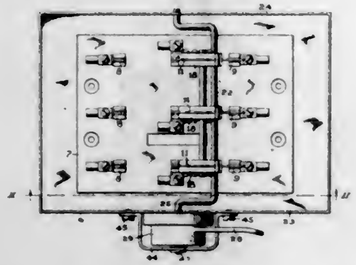
5. In a road surfacing machine a tamping tool having a series of peripheral plane faces; a series of parallel slats grouped in multiples on each of said faces; and means embodying a mutilated gear for rotating said tool and holding said faces, successively in contact with the work.

1,502,826. MALLEABLE SUPPORT BRACKET. WILLIAM JANUS, St. Louis County, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1924. Serial No. 686,167. 12 Claims. (Cl. 188—213.)



5. A support bracket comprising a body portion adapted to receive and support a brake gear support member and having portions extending from said body portion and adapted to partially embrace a car truck member and secure said bracket thereto.

1,502,827. SWITCH MECHANISM. OLIVER S. JENNINGS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,740. 10 Claims. (Cl. 200—70.)



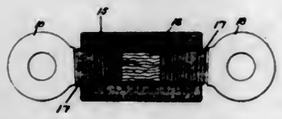
1. Switch mechanism comprising a movable switch member, an operating handle therefor having a lost-motion connection thereto, a spring for connecting the operating handle to the switch mechanism and for moving the switch mechanism in response to movement of the handle, stop members on the switch member, a latch for successively engaging the stop members for retaining the switch member in predetermined positions and cam members on the handle for successively engaging the latch whereby the latch is successively released from the stop members by a progressive movement of the handle in one direction.

1,502,828. OVERHEAD TROLLEY SYSTEM. OSMUND M. JORSTAD, East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,361. 19 Claims. (Cl. 191—41.)



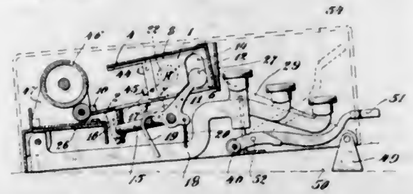
1. In an overhead trolley system, the combination with a plurality of main supporting structures, of a contact conductor, means comprising a messenger conductor for supporting said contact conductor, means for securing said messenger conductor to said structures, and means independent of said structures for taking a portion of the horizontal pull of said messenger conductor.

1,502,829. INSULATED STRAIN ROD. WILLARD H. KEMPTON, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1918. Serial No. 222,195. 2 Claims. (Cl. 173—318.)



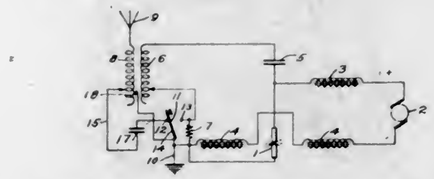
1. A strain insulator including a pair of connector elements, a spacer element interposed between the connector elements, and a sleeve, formed of a sheet of fibrous material impregnated with a phenolic condensation product as a binder wound into tubular form, the sleeve being molded about the spacer element and adjacent ends of the connector elements.

1,502,830. TYPEWRITING MACHINE. WELLINGTON P. KIDDER, Jamaica Plain, Mass., assignor, by mesne assignments, to Rochester Industries, Inc., Rochester, N. Y., a Corporation of New York. Filed July 25, 1919, Serial No. 313,177. Renewed Dec. 24, 1923. 15 Claims. (Cl. 197—25.)



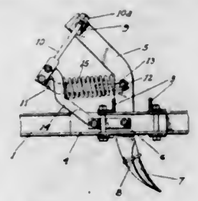
1. In a typewriting machine, the combination of a slidably moving type-bar, an actuating lever for moving the type-bar said actuating lever operating within a space bounded by the planes of the sides of its respective type-bar, a key lever, a link operatively connecting the key lever and the actuating lever, said type-bar, said actuating lever, said key lever, and said link all moving in substantially the same vertical plane.

1,502,831. SYSTEM OF CONTROL. SAMUEL MONTGOMERY KINTNER, Pittsburgh, Pa., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,570. 13 Claims. (Cl. 250—19.)



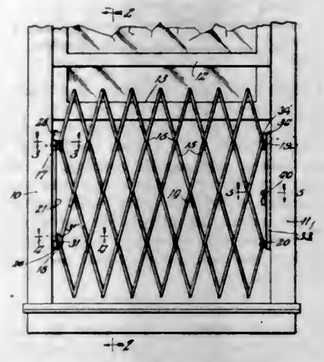
1. In a high-frequency transmission system, an oscillatory circuit adapted to produce high-frequency oscillations of a predetermined frequency, a correspondingly tuned antenna circuit coupled thereto, said oscillatory circuit including an impedance, and means adapted to substantially simultaneously cause said impedance to become effective and said antenna circuit ineffective, and vice versa.

1,502,832. CULTIVATOR TOOTH. CLARENCE D. KIRTLAN, Visalia, Calif. Filed Apr. 4, 1923. Serial No. 629,798. 2 Claims. (Cl. 97—184.)



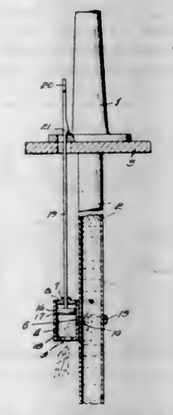
1. A cultivator tooth structure including a supporting frame, a tooth pivoted therein for limited fore and aft swinging movement, straps pivoted on the frame to the rear of the tooth pivot and extending upwardly in spaced relation to the tooth, links between the upper ends of the straps and teeth and pivotally connected to both, and a helical spring between the straps and tooth and arranged for compression when the upper portion of the tooth moves forwardly.

1,502,833. WINDOW GUARD. FRANK KITZELMAN, Chicago, Ill., assignor to Acorn Wire & Iron Works, Chicago, Ill., a Corporation of Illinois. Filed Feb. 12, 1923. Serial No. 618,481. 5 Claims. (Cl. 20—71.)



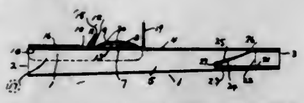
1. A window gate comprising a lazy tongs grille a bracket therefor, said bracket being provided with a retaining screw, a pivotal support on said bracket for one end of said grille, and means carried by said grille for overlying the head of said screw to prevent the removal of the latter when said grille is swung into closed position, said screw being removable when said grille is swung away from such position.

1,502,834. FROST-LINE DRAIN VALVE FOR PUMPS. PHILIP H. KOEBBE, Barnhart, Mo. Filed Feb. 7, 1921. Serial No. 443,003. 1 Claim. (Cl. 137—34.)



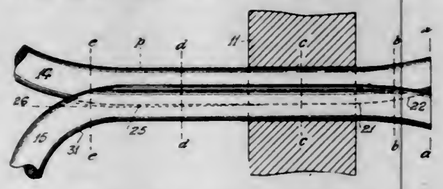
In a device of the class described, a cylindrical tubular body and a semicylindrical body united to form a unit, said semicylindrical body adapted to engage a suction pipe, ears extending from the edges of said semicylindrical body, a U-shaped clamp member adapted to engage said pipe, said U-shaped clamp having its ends screw threaded and passing through said ears, nuts applied to the ends of said U-shaped clamp for holding the U-shaped clamp and said semi-cylindrical body from displacement upon said pipe, said cylindrical tubular body having a laterally directed passage midway its ends adapted to register with an opening in the suction pipe and further provided with a drain passage in the bottom wall thereof, a piston positioned within said cylindrical tubular body, a packing fixed to the lower face thereof and an operating rod fixed to said piston for moving the same up and down in the cylindrical tubular body to open and close the drain passage in the bottom wall of the cylindrical tubular body.

1,502,835. MUSICAL TOY. MICHAEL J. MCINTYRE, Eden, N. Y. Filed Sept. 3, 1921. Serial No. 498,240. 8 Claims. (Cl. 46—46.)



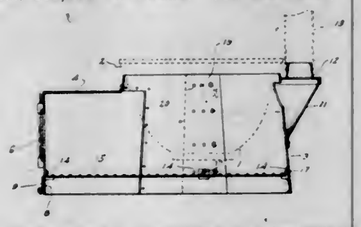
1. In a device of the character described having a longitudinal tubular body with an inlet mouth-piece opening at one end and an opening at the outlet end restricted by a horn and a reed projecting into said ontlet end toward said mouth opening, a side opening in said body covered by a diaphragm and another side opening forming a whistle with said mouth opening, whereby said horn, diaphragm or whistle are each adapted to be operated separately and independently of the others from the mouth end of said body and without removal from the lips.

1,502,836. RAIL BOND. MATTHEW H. LOUGHRIDGE, Bogota, N. J., assignor to Atlas Railway Signal Company, a Corporation of New Jersey. Filed Aug. 9, 1919. Serial No. 316,312. 8 Claims. (Cl. 173—262.)



6. A bond for a rail joint, consisting of a pair of wires, a section formed on a taper in each of said wires near the end to match the complementary end of the other wire, said wires when placed together forming a tapered section of substantially circular cross-section of larger diameter than the individual wires.

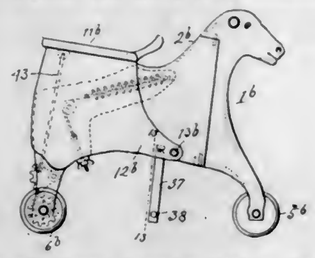
1,502,837. WASH-KETTLE FURNACE. KARTER S. MARTIN, Tarrant City, Ala. Filed Jan. 18, 1923. Serial No. 613,373. 3 Claims. (Cl. 126—345.)



1. A kettle furnace comprising a substantially cylindrical downwardly flaring metal jacket adapted to rest on the ground, a combustion chamber forming an extension at one side of said jacket and opening unobstructedly thereinto, said jacket being free of baffles or obstructions interfering with the products of combustion, a top outlet for said products of combustion at the top of said jacket on the opposite side from the combustion chamber, and a flue having an enlarged base into which said outlet opens.

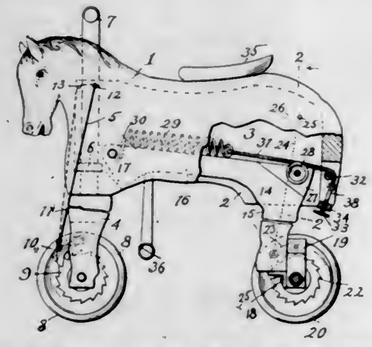
1,502,838. CHILD'S VEHICLE. WILLIAM J. BARBER, East Cleveland, Ohio, assignor to The E. & N. Manufacturing Company, Cleveland, Ohio, a Corporation. Filed Oct. 12, 1922. Serial No. 594,036. 15 Claims. (Cl. 208—42.)

1. In a child's vehicle, the combination with a body having supporting wheels, of a vertically swinging member pivoted at its forward end to the body carrying a seat, a tension spring for normally holding said member in elevated position, said spring being connected to the



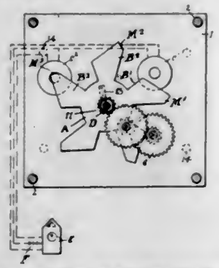
body above the pivotal connection and at its opposite end to the vertically swinging member and means for adjusting the tension of said spring.

1,502,839. CHILD'S VEHICLE. WILLIAM J. BARBER, East Cleveland, Ohio, assignor to The E. & N. Manufacturing Company, Cleveland, Ohio, a Corporation. Filed Dec. 26, 1922. Serial No. 608,877. 13 Claims. (Cl. 208—42.)



L. In a child's vehicle, a body having a supporting wheel mounted thereon adjacent its forward end, a rear support for said body comprising a rear axle with wheels thereon and a rigid leg connected at its rear end to said axle and at its forward end to said body adjacent the forward end thereof by means of a horizontal pivot, said body having a seat portion at the rear of said pivot, a spring coacting with said body and leg for normally holding the seat portion of the body in elevated position and means for preventing backward rotation of the forward supporting wheel.

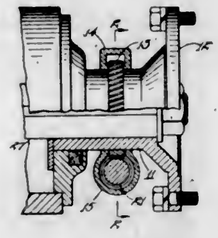
1,502,840. ELECTRIC CLOCK. CHARLES L. BEARD, Chester, Pa. Filed Sept. 30, 1921. Serial No. 504,398. 7 Claims. (Cl. 58—26.)



1. In mechanism of the class described having a master clock provided with a commutator, a suitable source of electric current and a secondary measuring device energized by said source and through said commutator,

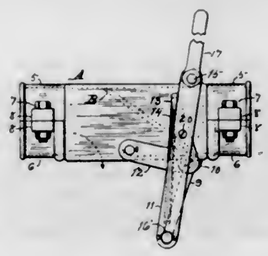
in combination in said secondary measuring device, a pair of electro-magnets adapted to be alternately energized and a rotating armature having a plurality of poles, said combination being characterized by the following cycle of operations: first, the moving of an armature pole by one of said magnets into a position to be exerted upon by a maximum force by said magnet; second, the holding of said position for an interval of time; third, the moving away of said pole from such position by the other magnet, and simultaneously with said third operation, the moving of another pole into a position to be exerted upon by the first of said magnets with a force less than the maximum, said simultaneous operation being caused by the action of the second magnet moving an armature pole from a position in which said second magnet exerts a force on said latter pole to a position in which it exerts a maximum force upon it; fourth, the moving of the second said pole by the first said magnet into a position of maximum force thereon, from which point said magnets continue to act upon said armature poles in the manner of the above cycle.

1,502,841. SPEEDOMETER DRIVE. GUIDO G. BEHN, Detroit, Mich., assignor to Essex Motors, Detroit, Mich., a Corporation of Michigan. Filed Dec. 2, 1921. Serial No. 519,561. 5 Claims. (Cl. 74—7.)



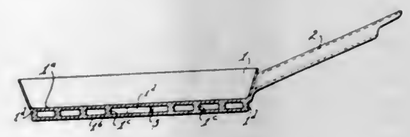
1. A speedometer drive comprising a vehicle shaft, a sectional gear on said shaft, a removable casing enclosing said gear, means in said casing and on said gear for retaining the sections of said gear in an assembled position on said shaft when said casing is in place and a pinion meshing with said gear and supported within said casing.

1,502,842. CUT-OUT FOR EXHAUST PIPES. JACOB C. BEISWENGER, Jackson, Mich. Filed Jan. 3, 1921. Serial No. 434,855. 1 Claim. (Cl. 251—125.)



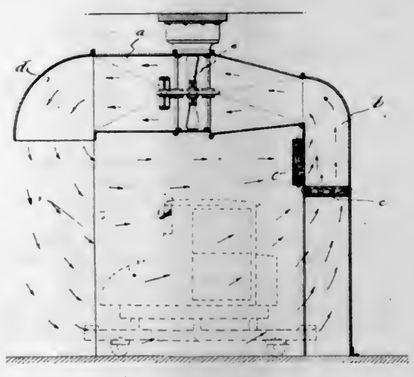
The combination of an open-ended union having a side opening and an oscillatory valve adapted to control said opening and the passage through said union, of a crank journalled to said union and adapted to oscillate said valve, a lever pivoted to said union on the same side with said crank and opposite thereto, said lever extending by said crank and formed with a slot at its free end, said crank at its free end extending through said slot, an arm pivoted to said union above the journal of said crank and to one side thereof, a member pivoted intermediate its length to said lever and also hinged at one end to the free end of said arm to form an elbow in which its joint will coincide with the axis of said crank when said lever is moved, so that said lever crank and member are aligned, and a spring connected at its ends to both the free ends of said member and said crank, substantially as and for the purpose set forth.

1,502,843. COOKING UTENSIL. FRANK BERGER, Stoughton, Wis. Filed Oct. 8, 1923. Serial No. 667,148. 2 Claims. (Cl. 53—7.)



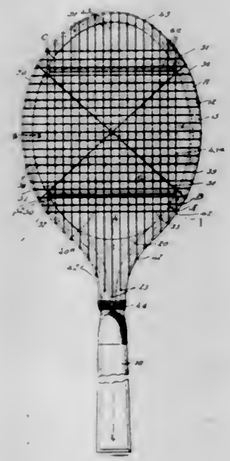
1. A cooking receptacle including spaced cast bottom sections, one of said bottom sections being provided with raised rim portions extending upwardly against the bottom and connected thereto and having a series of regularly spaced heat transmitting stud elements extending to the underside of the other bottom section.

1,502,844. PAINTING BOOTH. FREDERICK P. BINGMAN, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed May 16, 1923. Serial No. 639,285. 8 Claims. (Cl. 183—44.)



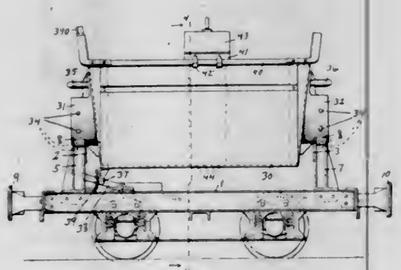
8. In a paint booth, the combination of a shell including a painting chamber, an air duct for taking the air from the upper rear portion of said chamber and conducting it to the front of the chamber and directing the same downwardly on the workman, means for filtering the air, and means for providing a forced re-circulation of the air through the booth and air duct, whereby the air is forced downwardly on the workman and passed laterally through the booth away from the workman.

1,502,845. RACKET. WALTER C. BLACHE, Englewood, N. J. Filed Sept. 30, 1922. Serial No. 591,453. 3 Claims. (Cl. 46—24.)



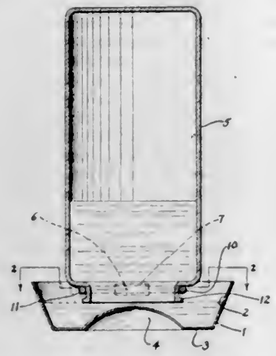
1. A racket having an open frame having a plurality of spaced transverse grooves in its outer edge, the grooves on one side and one end of the frame being perpendicular to the frame, and the grooves at the other side and the other end of the frame being oblique to the frame, and a cord wound about the frame and forming a plurality of spaced transverse loops and a plurality of spaced longitudinal loops positioned by said grooves.

1,502,846. CONSTRUCTION CAR. EDWARD G. CARR, Milwaukee, Wis., assignor to The Lakewood Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 12, 1918. Serial No. 249,562. 1 Claim. (Cl. 105—264.)



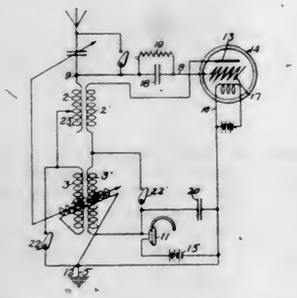
The combination with the body frame of a car, of a receptacle provided with rockers, the body frame being provided with cross members to support the rockers, a latch and a jaw member located under the receptacle for vertical engagement or disengagement with respect to each other, one being secured to the receptacle and the other being secured to the car body frame.

1,502,847. DRINKING FOUNTAIN. WALTER H. COLLINS, Summit, N. J. Filed Mar. 1, 1922. Serial No. 540,192. Renewed June 25, 1924. 9 Claims. (Cl. 119—77.)



1. A reservoir drinking fountain including in combination a pan, and a jar holder comprising a wire resiliently movable to receive and hold the jar neck and having its ends and medial portion permanently engaging the pan wall.

1,502,848. TUNING SYSTEM OF ANTENNÆ. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 7, 1920. Serial No. 394,520. 14 Claims. (Cl. 250—20.)



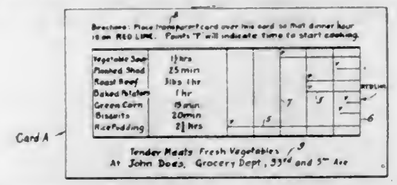
1. An improved method in the art of signalling comprising the step of first adjusting a circuit for resonance to a given frequency and thereafter additively adjusting said circuit for maximum selective response while maintaining said resonant condition substantially undisturbed.

1,502,849. PROCESS FOR THE PRODUCTION OF NITROSO-META-CRESOL AND ITS APPLICATION TO THE SEPARATION OF META-CRESOL AND PARA-CRESOL. JACOB EHRLICH, Belleville, N. J., assignor to Verona Chemical Co., North Newark, N. J., a Corporation of New Jersey. Filed Mar. 11, 1922. Serial No. 542,865. 11 Claims. (Cl. 260—69.)

1. A process for the production of nitroso-meta-cresol which comprises treating meta-cresol and strong sulfuric acid with nitrous acid without causing sulfonation.

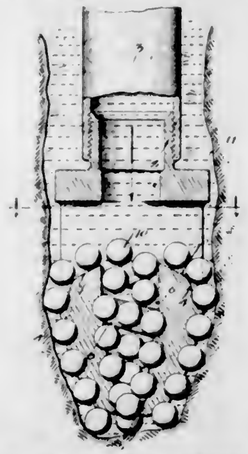
1,502,850. COOKING CHART. MARTIN T. FISHER, New York, N. Y. Filed Apr. 17, 1922. Serial No. 553,896. 6 Claims. (Cl. 235—89.)

1. A cooking chart, comprising a card with a list of foods thereon, a horizontal line opposite each article of food the length of which is proportional to the time it takes that article to cook, and a second card with ver



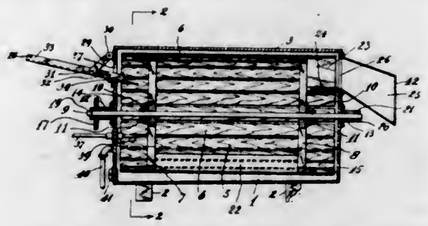
tical lines thereon spaced apart for indicating the periods of time, one of the cards being transparent, superposable on, and relatively movable with respect to, the other card.

1,502,851. MAGAZINE ROTARY DRILL BIT. GEORGE WASHINGTON GALE, Greeley, Colo. Filed Jan. 20, 1922. Serial No. 530,595. 5 Claims. (Cl. 255—61.)



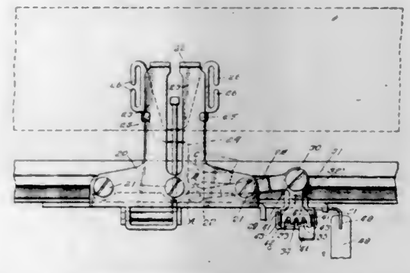
1. A drill bit comprising a body having an axial bore extending from the lower end of the body, said body having a spiral groove in the outer wall thereof and having also a spiral groove in the wall of said bore, said grooves being adapted to be traversed by ball members, and said body having a lateral opening adapted for the passage of the ball members between the axial bore and the groove in the outer wall of the body.

1,502,852. WASHING PROCESS AND MACHINE THEREFOR. RALPH HARVEY, Etna, Pa. Filed Dec. 11, 1923. Serial No. 679,945. 6 Claims. (Cl. 146—194.)



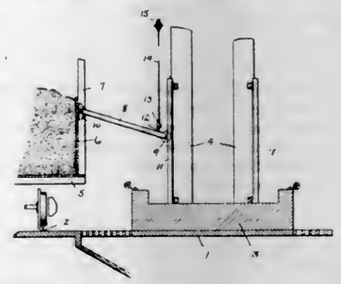
1. The process of washing vegetables which consists in causing them to fall through sheet-like sprays of water disposed substantially at right angles to the path of said falling vegetables and collecting them in a body of water.

1,502,853. RIBBON VIBRATOR FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed May 29, 1920. Serial No. 385,185. 7 Claims. (Cl. 197—157.)



5. In a typewriter having a platen carriage arranged to move into and out of operating position; a ribbon carrier movably mounted on said carriage; an actuating lever for said carrier; a spring for normally holding said actuating lever and carrier in a fixed initial position; a lever for operating said actuating lever; an adjustable connection between said levers to vary the position of said operating lever when said actuating lever is in initial position; and a universal member arranged to cooperate with said operating lever when said platen carriage is in operating position and to move said operating lever to a fixed limiting position to impart different amounts of movement to said actuating lever and said ribbon carrier for the different adjustments of said levers relative to one another.

1,502,854. GRAIN-DOOR REMOVER. THOMAS C. HUTCHINSON, Duluth, Minn. Filed Oct. 22, 1923. Serial No. 669,911. 2 Claims. (Cl. 254—133.)

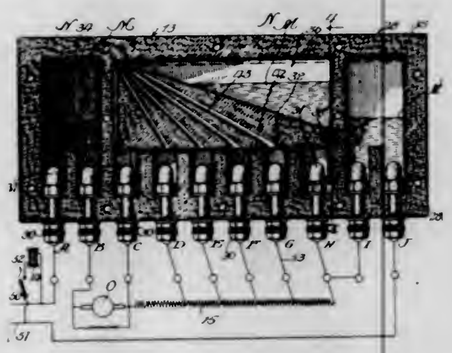


1. A grain car door opening device comprising in combination an upright fixed stanchion spaced from the grain door of a car and independently thereof, a portable beam, having a door engaging shoe pivotally mounted in one end thereof and a stanchion roller at the other end for installation intermediate of the door and the stanchion, and a line suspended from over head for vertically raising the stanchion end of the beam for the purpose described.

1,502,855. ELECTRIC SWITCH. CLARENCE W. JAMESON, Lombard, Ill. Filed Dec. 1, 1920. Serial No. 427,612. 8 Claims. (Cl. 200—112.)

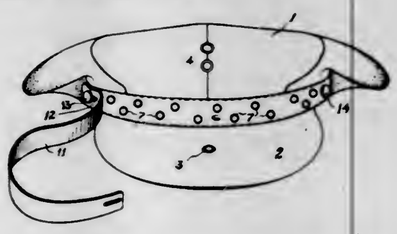
2. A motor-starting switch comprising a body having a chamber, said body having a plurality of wells sequentially connected, the first of said wells being connected with said chamber, a plurality of contacts each located in one of said wells, a quantity of mercury located normally in said chamber and adapted to enter

said wells in succession upon movement of said body to connect said contacts, the connections between said wells being arranged to prevent the flow of mercury



into one well until all of the preceding wells have been filled, and means for effecting a movement of said body to cause the flow of mercury into said wells.

1,502,856. VENTILATED CAP. JACOB KAUFMAN, Toronto, Ontario, Canada. Filed Aug. 29, 1923. Serial No. 660,016. 1 Claim. (Cl. 2—176.)



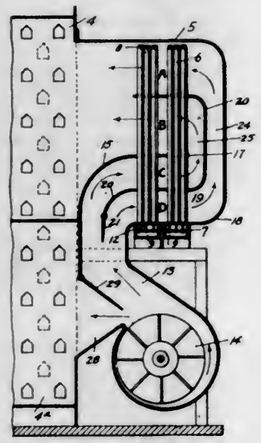
In a cap of the kind referred to, a pliant crown substantially reinforced above its visor, a series of perforations disposed in such crown reinforcement, a strap partially encircling the crown for the purpose of covering said perforations, and means to detachably secure said strap to the crown.

1,502,857. PROCESS OF TREATING COPPER AND THE PRODUCT THEREOF. SUSAN B. LEITER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 2, 1923. Serial No. 616,513. 4 Claims. (Cl. 148—11.)



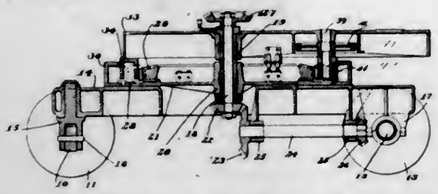
1. The process of rendering copper containing oxygen immune to the embrittling effect of reducing gas, which consists in segregating the oxide located between the boundaries of the grains of said copper into globules distributed throughout the mass thereof.

1,502,858. AIR-HEATING MEANS. PHILIP LITTLE, Jr., Minneapolis, Minn., assignor to The Strong Scott Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 9, 1920. Serial No. 429,566. 7 Claims. (Cl. 257—137.)



1. An air heater, comprising a heating chamber, radiators arranged in said chamber and provided with zones of different temperatures, an air duct through which currents of air are conducted and means for deflecting said air currents first through the coolest part of the radiators and then in an opposite direction through the hottest part of the radiators.

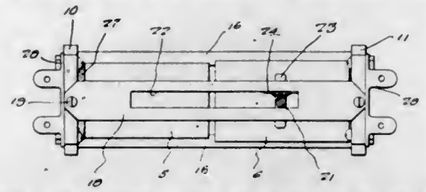
1,502,859. THRUST BEARING. GRAFTON E. LUCE, Chicago, Ill. Filed May 24, 1923. Serial No. 641,249. 4 Claims. (Cl. 64—86.)



1. In an improved bearing, the combination of a plurality of bearing races concentrically arranged with respect to each other, a rotatable member, a shaft mounted thereon, a roller rotatably mounted on said shaft and engaging with one of said races to carry the weight of the rotatable member, a second roller rotatably mounted on said shaft and engaging with the other of said races, whereby lifting of one side of said rotatable member is prevented.

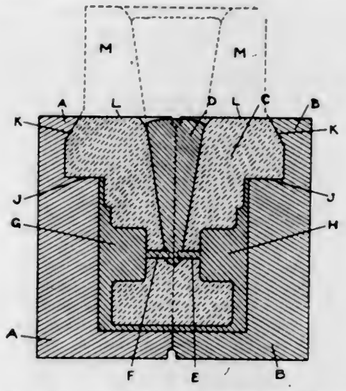
1,502,860. VARIABLE CONDENSER. DOUGLAS S. MCCRUM, Saranac Lake, N. Y. Filed Nov. 24, 1923. Serial No. 676,740. 3 Claims. (Cl. 250—41.)

1. A condenser comprising a pair of end plates connected in spaced relation by means of a rod to form a support, a plurality of cylindrical metallic members of different diameters all having their adjacent ends in electrical connection, said cylindrical members being concentrically arranged one within the other and forming one electrode, means for mounting said one electrode in fixed relation to one of the end plates and said rod, a series of similar cylindrical members concentrically arranged one within the other, and all having their outer ends electrically connected to form a second electrode, the members of said second electrode adapted to be inserted between the members of the first named electrode, means including a handle fixed to and extending laterally from the outermost cylindrical member of the electrode for adjusting the latter axially of each other, and a



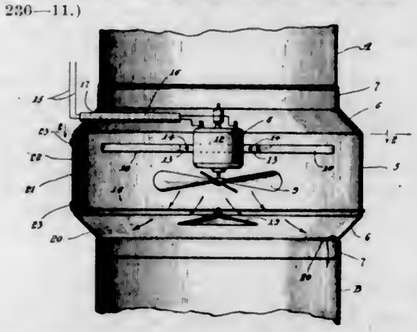
sealed ring mounted upon the outer end of the first named electrode for sealing relation with the adjacent end of the outermost cylindrical member of the second named electrode when said electrodes are adjusted toward each other to maximum capacity position.

1,502,861. METAL MOLD. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Oct. 2, 1922, Serial No. 591,725. Renewed Feb. 23, 1924. 5 Claims. (Cl. 22—126.)



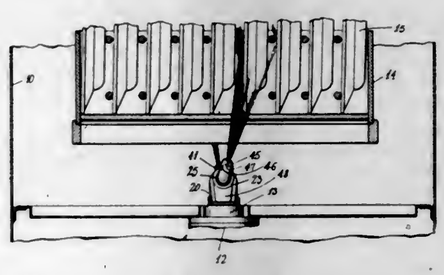
1. In a metal mold adapted to the casting of an internal combustion engine piston, a horizontal shoulder, a re-entrant conical face above said shoulder, a dry sand core resting on said shoulder and prevented from rising by said re-entrant conical face.

1,502,862. AIR CIRCULATOR. RUDOLPH W. MENK, Joliet, Ill., assignor to Excelsior Steel Furnace Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1922. Serial No. 597,436. 4 Claims. (Cl. 230—11.)



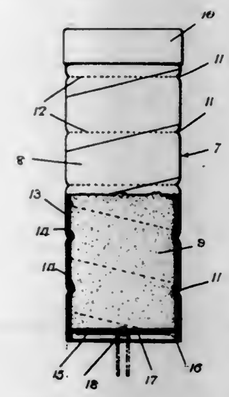
1. A device of the kind described comprising a cylinder, frustum-conical walls at the ends thereof, cylindrical sleeves extending oppositely from said walls for assembly with adjacent ends of an air conduit, oppositely arranged straps secured at their outer ends to said structure and at their adjacent central portions constructed to receive and clamp the casing of a motor, a motor and fan unit mounted in the central portions of said straps, and a shield and deflector positioned in front of said unit.

1,502,863. WASHING MACHINE. HENRY R. MERSELES, Bronxville, N. Y., assignor to Herbert E. Merseles, Bronxville, N. Y. Filed Sept. 16, 1921. Serial No. 501,110. 8 Claims. (Cl. 141—9.)



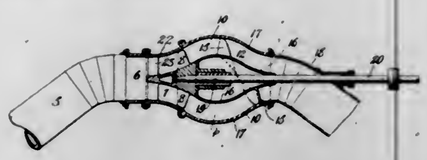
4. In a washing machine, a projector having an inlet opening, means for forcing washing medium into said projector through said inlet opening, means for supporting the articles to be washed at the opposite side of the projector from said inlet opening, the side of the projector adjacent to said support being provided with a plurality of discharge openings formed and arranged to project a sheet of washing medium in a common plane extending diametrically across the projector and across the article support, and means for rotating the projector about an axis lying at an angle to said plane and passing through the article support.

1,502,864. CONFECTION. JOSEPH F. MILLIGAN, Swissvale, Pa. Filed May 20, 1922. Serial No. 562,378. 4 Claims. (Cl. 206—56.)



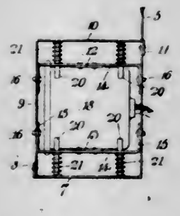
1. A shell for holding an edible filling having a closure at one end, and means carried by said closure and normally disposed flatly thereagainst, and bendable away from said closure to provide a finger piece to be held between the thumb and fingers for supporting the shell, the shell being adapted to be torn away from the opposite end.

1,502,865. HYDRAULIC PUMP. LEWIS FERRY MOODY, Philadelphia, Pa. Filed Aug. 21, 1920. Serial No. 405,185. 23 Claims. (Cl. 103—89.)



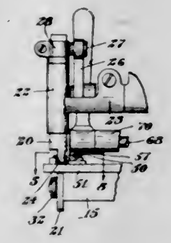
1. In a hydraulic pump the combination with a rotary impeller, of a diffuser receiving the discharge therefrom and comprising an annular vane-free passage followed by a plurality of helical passages, the discharge from each of said helical passages being directed along the axis of the helix.

1,502,866. LAMP SUPPORT. ARTHUR MOORE, Chanute, Kans. Filed May 11, 1923. Serial No. 638,186. 5 Claims. (Cl. 240—90.)



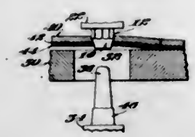
1. In a device of the class described, a bracket comprising spaced parallel forward and rear bars, each bar having upper and lower slots disposed longitudinally of the bar, a frame within said bracket, pins on said frame engaged in said slots, and equalizing springs tending to force said frame to the middle portion of said bracket.

1,502,867. FOLDING MACHINE. LORENZ MUTHER, Newton, Mass. Filed Dec. 1, 1922. Serial No. 604,370. 4 Claims. (Cl. 12—55.)



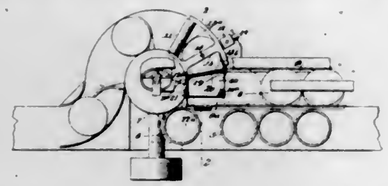
1. In a folding machine, the combination of means for feeding material having a binding attached to one edge thereof, a fixed member having its operative face perpendicular to the body of the material for turning said binding around the edge of said material and into an upright position, a plow for turning said upright binding downwardly toward the body of said material and means for pressing said binding upon the body of said material; said fixed member and said plow being so positioned in relation to each other that said upright binding is delivered by the feeding means from said fixed member to said plow in position to be turned down by the latter without straining the edge thereof.

1,502,868. EYELETING MACHINE. LORENZ MUTHER, Newton Center, Mass. Filed Apr. 14, 1923. Serial No. 632,110. 2 Claims. (Cl. 218—14.1.)



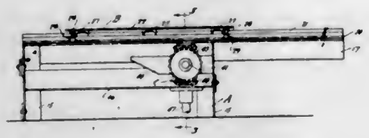
1. In an eyeleting machine, a setting tool having a restricted setting shoulder adapted to pass through a hole in the outer layer of a plurality of layers and set an eyelet upon an inner layer and having that portion above the setting shoulder polygonal in cross section and provided with sides sufficient in number to avoid impairing the function of the setting shoulder and few enough in number to substantially reduce the friction between the outer layer and the tool when the said outer layer is passed above the setting shoulder during the operation of the machine.

1,502,869. CAN-CAPPING MACHINE. MILO V. NEMECEK and RUDOLF STROPPEL, Cedar Rapids, Iowa. Filed Oct. 30, 1922. Serial No. 597,860. 3 Claims. (Cl. 93—55.)



1. In a capping machine having a sweep adapted to advance a can, and an inclined cover-chute adapted to present a cover with the forward portion of its flange in the path of the advancing can, a pair of lateral guide-fingers to prevent lateral expansion of the can while moving into capping position.

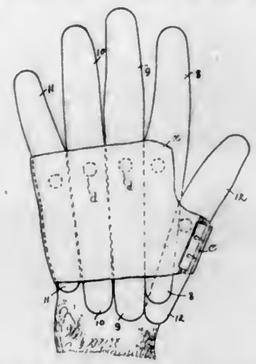
1,502,870. RECIPROCATING MOVEMENT. ORVILLE P. NORMAN, Los Angeles, Calif. Filed July 14, 1923. Serial No. 651,623. 11 Claims. (Cl. 74—98.)



1. A mechanical movement comprising the combination of a frame, a carriage slidably mounted thereon and having a pair of racks secured thereto, a pair of pinions geared to rotate in opposite directions and disposed so that either will mesh with its corresponding rack, and thereby move said carriage, and means operated by said carriage at the ends of its travel to alternately engage one rack with its pinion and then the other whereby to reciprocate the carriage.

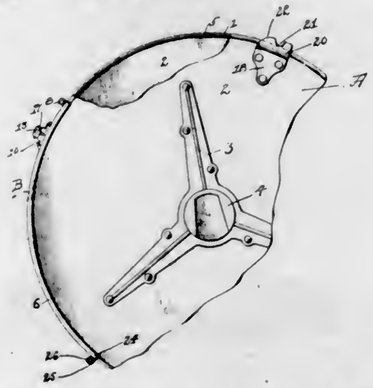
1,502,871. GLOVE. CHARLES H. NOYES, Mondamin, Iowa. Filed Apr. 11, 1923. Serial No. 631,424. 1 Claim. (Cl. 2—161.)

In a glove, a plurality of sheaths closed at their respective ends, each having an aperture midway between its ends and adapted to be disposed with approximately one-half enclosing a thumb or finger and with its remaining half on the back of the



wearer, and a flexible holder removably connected with said sheaths and adapted to surround the hand outwardly of the sheaths.

1,502,872. SLIDING DOOR AND LOCK FOR WASHING-MACHINE CYLINDERS. GUNNARD A. OBERG, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Jamestown, N. Y., a Corporation of New York. Filed Nov. 15, 1922. Serial No. 601,197. 3 Claims. (Cl. 220—41.)



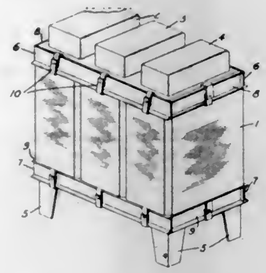
1. A sheet metal cylinder provided with an opening and a circumferential flange on each end, a lid provided with means for embracing and sliding upon said flanges, a stop on the body to limit the movement of the lid, a lock on the body and a bolt on the lid to engage the lock when the lid is in its closed position.

1,502,873. PERFORATED SHEET METAL. GUNNARD A. OBERG, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Jamestown, N. Y., a Corporation of New York. Filed Nov. 15, 1922. Serial No. 601,198. 2 Claims. (Cl. 29—180.)



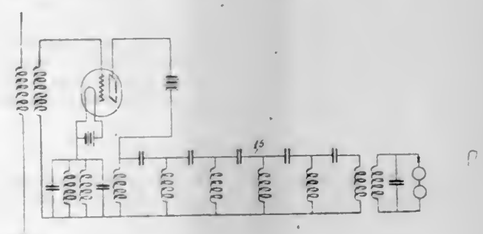
1. The improved perforated sheet metal comprising a bead surrounding and defining the perforation and of a size greater than the thickness of the sheet metal, and an annular ring surrounding the beaded perforation and extending outwardly beyond one surface of the metal, the metal between the ring and the bead being inclined.

1,502,874. TRANSFORMER FRAME. JOHN F. PETERS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 10, 1919. Serial No. 343,971. 10 Claims. (Cl. 175—356.)



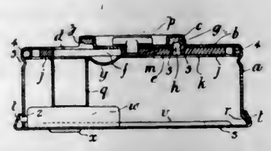
9. In combination with an alternating-current electrical device having a magnetizable portion subject to heating by stray magnetic flux, of a short-circuited band around said portion for substantially preventing the passage of flux therethrough.

1,502,875. TONE-PRODUCING RADIORECEIVER. MICHAEL I. PUPIN, Norfolk, Conn., and EDWIN H. ARMSTRONG, Yonkers, N. Y., assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 10, 1916. Serial No. 77,436. 3 Claims. (Cl. 250—6.)



3. In a radio signaling system, a vacuum-tube device, a translating device and a filter coupling them, said filter including a plurality of like units, each unit comprising two reactances of opposite sign, all the reactances of one sign being connected in series and all those of the other sign in parallel, whereby the units form a chain extending the length of the filter.

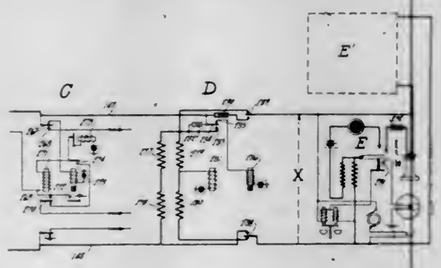
1,502,876. MONEY BOX. JOSEPH EDGERLEY PURSER, Bristol, England. Filed Oct. 24, 1922. Serial No. 596,543. 2 Claims. (Cl. 232—4.)



1. In money boxes wherein a revoluble disc provided with an aperture and constituting a carrier is capable of being devolved between the top of the box and a fixed plate within the box, said top of the box and fixed plate being perforated to allow coins to pass faceways from

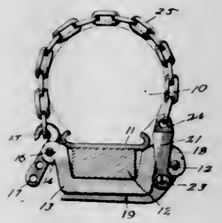
outside of the box to within the box but in which the perforations do not register, an annular groove in the under face of the top of the box, an annular projection on the upper face of the revoluble disc adapted to coact with the said annular groove, an annular recess in the underside of said revoluble plate, a spring finger on the upper side of said fixed plate, said finger lying in the annular groove in the revoluble disc so that no coin can pass from the box through the aperture in the revoluble disc to the aperture in the top of the box.

1,502,877. AUTOMATIC TELEPHONE SYSTEM. ARTHUR J. RAY, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1921. Serial No. 447,011. 5 Claims. (Cl. 179—17.)



1. In a telephone system, a line, a connector switch having access to said line, means for operating said connector to extend a connection to said line, a relay in said connector and a relay individual to said line, said individual relay energized in series with said other relay by direct current, means in said connector for supplying ringing current to said line through the winding of said relay in the connector, and contacts on said individual relay for closing the ringing circuit.

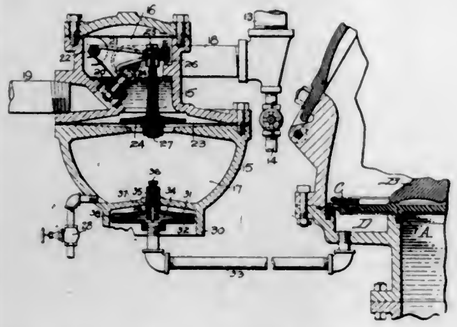
1,502,878. ANTISKID DEVICE. VALENTIN F. REJČEK, Penelope, Tex. Filed Apr. 30, 1923. Serial No. 635,789. 5 Claims. (Cl. 152—14.)



1. An anti-skid device comprising a saddle strap, a hook mounted at one end thereof, a pivoted cam locking lever associated with the other end thereof, a pivoted yoke carried by the locking lever, and a chain connected between the yoke and the hook.

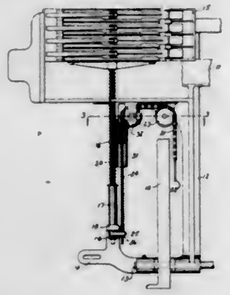
1,502,879. AIR EXHAUSTER FOR DRY-PIPE SPRINKLER SYSTEMS. GEORGE I. ROCKWOOD, Worcester, Mass. Filed Jan. 6, 1921. Serial No. 435,312. 8 Claims. (Cl. 169—17.)

1. An air exhauster for dry pipe sprinkler systems having a dry pipe valve, comprising a restrictedly connected air exhaust chamber and air pressure chamber, said air exhaust chamber being connected to the system and having an exhaust valve, means for operating the



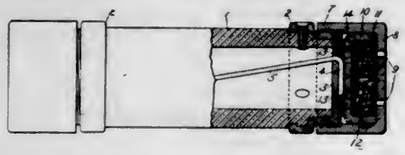
exhaust valve from the air pressure chamber, and means for releasing the air pressure in the air pressure chamber when the dry pipe valve opens.

1,502,880. DROP-BOX MECHANISM FOR LOOMS. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 27, 1923. Serial No. 659,464. 4 Claims. (Cl. 139—182.)



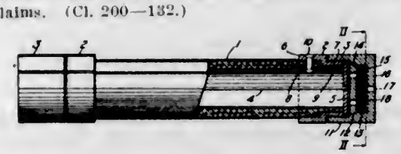
1. In a loom having a plurality of drop boxes, box lifting mechanism comprising a lifting chain, a rod connected thereto, a yielding connection between said rod and boxes, and a spring device encircling said rod and the end portion of said chain and acting to prevent overthrow of said boxes.

1,502,881. FUSE. MAURITS JEROME SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 13, 1918. Serial No. 234,060. 18 Claims. (Cl. 200—120.)



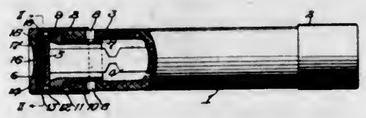
1. A fuse cartridge for a fusible element having a perforated double-walled end member and means disposed between said walls for preventing the escape of flame and the solid combustion products attending the rupture of said element.

1,502,882. REFILLABLE FUSE. MAURITS J. SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1919. Serial No. 308,686. 19 Claims. (Cl. 200—132.)



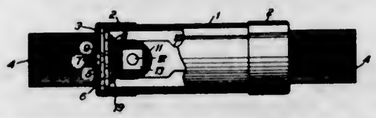
1. A cartridge fuse comprising a member having a groove and a consumable member adjacent said groove to form a gas path, said consumable member to be consumed along a line following said groove to compensate for a filling deposit therein, caused by the operation of said fuse, to maintain a path similar to said first path.

1,502,883. REFILLABLE FUSE. MAURITS J. SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1920, Serial No. 350,947. Renewed Feb. 2, 1924. 10 Claims. (Cl. 200—132.)



1. A cartridge fuse comprising a discoidal member having a radial groove in one of its faces and an opening from face to face thereof communicating with the groove and disposed adjacent the periphery of the member.

1,502,884. REFILLABLE FUSE. MAURITS J. SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1920, Serial No. 350,948. Renewed Feb. 2, 1924. 20 Claims. (Cl. 200—132.)



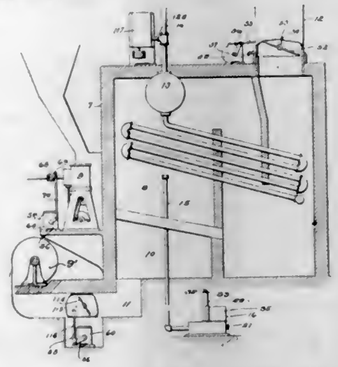
1. A refillable cartridge fuse comprising a casing, an end cap member therefor, and a terminal means movable with respect to said casing and said cap member having spaced co-operating surfaces disposed within the casing and providing a gas cooling chamber therebetween.

1,502,885. REFILLABLE FUSE. MAURITS J. SANDIN, Wilkinsburg, and JOHN B. MACNEILL, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1920. Serial No. 351,000. Renewed Feb. 2, 1924. 11 Claims. (Cl. 200—132.)



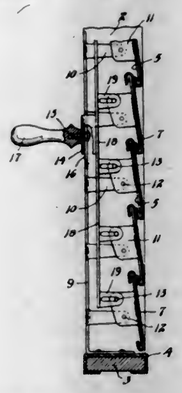
1. A cartridge fuse comprising three members engaging in relatively-broad-surface relation, the central one of which has its perimeter and intermediate portions of different thicknesses to provide a gas-cooling chamber between it and the other members.

1,502,886. FURNACE. WILMER M. SHALLCROSS, Milwaukee, Wis., assignor to Shallcross Control Systems Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 15, 1921. Serial No. 500,896. 5 Claims. (Cl. 236—14.)



1. In a furnace, regulating means therefor including an electric motor, an electric circuit including said motor, means within said circuit for actuating said motor upon a change in the furnace condition from normal, and means within the circuit whereby a strong dynamic braking force is applied to said motor upon the furnace condition returning to normal.

1,502,887. ADJUSTABLE VENTILATOR DEVICE. ABRAHAM SWENSEN, Minneapolis, Minn.; Mary Swensen special administratrix of said Abraham Swensen, deceased. Filed Mar. 10, 1922. Serial No. 542,547. 5 Claims. (Cl. 98—31.)



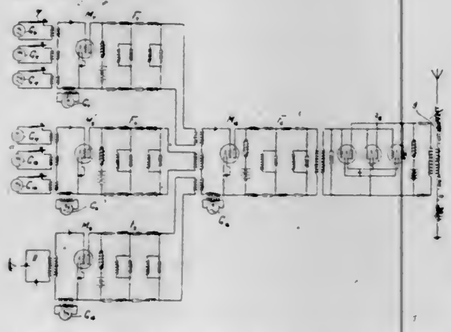
3. A ventilating device having in combination, an extensible frame, a series of telescoping slats pivoted to the end members of said frame, a member extending transversely of said frame intermediate thereof to which said slats are additionally pivoted and means slidably mounted on said member and connected to said slats for swinging the same about their pivots.

1,502,888. PROCESS OF MAKING LEAVENED BREAD. GEORGE S. TITUS and FRANK M. GROUT, Minneapolis, Minn. Filed Jan. 24, 1923. Serial No. 614,677. 6 Claims. (Cl. 99—10.)

2. The method of making leavened bread which consists in mixing from 50% to 90% of the flour to be used with from 50% to 90% of the water to be used, together with from one-tenth of 1% to 2% of suitable

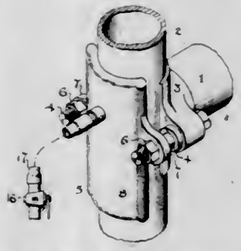
salts characterized by their yeast stimulating properties and then allowing said mixture to stand for a considerable period to mature and toughen the gluten content of the flour, then adding the remainder of the flour and water together with the yeast and other ingredients and fermenting the batch.

1,502,889. METHOD OF AND SYSTEM FOR RADIO-SIGNALING. HENDRIK J. VAN DER BIJL, Pretoria, South Africa, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 8, 1918, Serial No. 210,808. Renewed Nov. 23, 1921. Serial No. 517,382. 45 Claims. 250—6.)



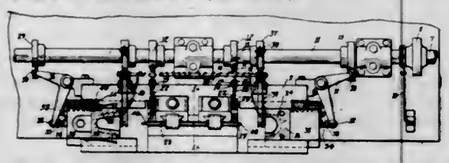
1. The method of signaling which comprises inverting the frequencies of a talking signal so as to produce an unintelligible noise current of audio frequency and modifying oscillations in accordance with said noise current.

1,502,890. CLAMP. JOHN HERBERT VEASEY, Johannesburg, Transvaal, South Africa. Filed June 16, 1923. Serial No. 645,799. 4 Claims. (Cl. 24—243).



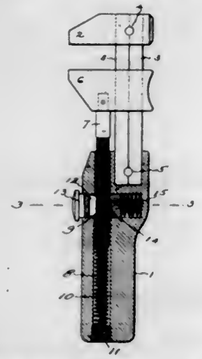
3. In a fluid actuated clamp, a flexible bag having a face to make contact with a part to which the clamp is attached, a clamp member recessed to receive the bag, and, with the said part, to support the bag substantially over its whole area.

1,502,891. MACHINE FOR MAKING SHOE-TREES. LOUIS F. VOISARD, Galion, Ohio, assignor to The Plymouth Stamped Metal Company, Galion, Ohio, a Corporation of Ohio. Filed June 20, 1923. Serial No. 646,697. 23 Claims. (Cl. 1—1.)



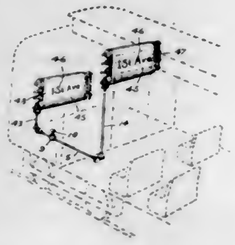
23. In a machine for making shoe-trees, the combination of power means; means for holding a toe portion of a shoe-tree; means for holding a heel portion of a shoe-tree; means for holding a connector adapted to extend between the toe and heel portions of a shoe-tree; means for moving the toe portion and heel portion holding means relative to each other and the connector so as to cause said connector to be inserted in said toe and heel portions; and means adapted to nail said connector to the toe and heel portions of the shoe-tree.

1,502,892. AUTOMATICALLY-CLOSING WRENCH. FREDRICK WALZ, Burnside, Conn. Filed Jan. 3, 1923. Serial No. 610,544. 2 Claims. (Cl. 81—145.)



1. A wrench having a handle with a longitudinally extending bore and a circular socket extending transversely across said bore, a fixed jaw, means connecting the fixed jaw with the handle, a movable jaw sliding on said connecting means, a circular threaded rod extending from the movable jaw in front of said connecting means into and substantially fitting the bore in the handle, a spring arranged in said bore and adapted to thrust the rod outward, a cylindrical plunger located in the transverse socket in the handle, said plunger having a transverse opening through which the threaded rod extends, the inner wall of said opening having teeth, and a spring in the socket thrusting the plunger outward and causing the engagement of the teeth on the wall of the opening through the plunger with the threaded rod.

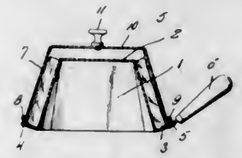
1,502,893. STREET INDICATOR FOR PASSENGER VEHICLES. HARRIS G. WARD, Seattle, Wash. Filed Sept. 23, 1922. Serial No. 590,029. 1 Claim. (Cl. 40—87.)



A street indicator for passenger vehicles comprising a casing adapted for observation by the passengers of said vehicle, a corresponding casing arranged for observation by the operator, spring tension rollers mounted in both of said casings adjacent the central portions thereof, friction rollers revolvably mounted in the upper and lower portions of each of said casings, sprocket means connecting said rollers, a flexible material disposed over said friction rollers and its end portions wound on said tension rollers in each of said casings, said materials having the names of localities designated thereon in

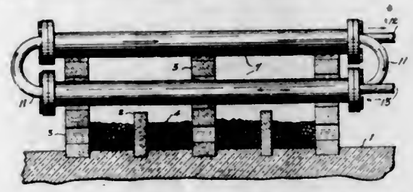
spaced apart relation, gears on the ends of each of said lower friction rollers, vertical shafts in mesh with said gears, a horizontal shaft gearedly connecting said vertical shafts, means for actuating said horizontal shaft to cause said flexible materials in each of said casings to synchronously move a predetermined distance, and means for reversing the movement of said flexible materials.

1,502,894. BREAD TOASTER. JOHN ANSCHUTZ, Washington, D. C. Filed Mar. 10, 1924. Serial No. 698,235. 2 Claims. (Cl. 53—5.)



1. A bread toaster comprising a substantially frusto pyramidal shaped heating body formed of imperforate sheet material having its bottom open and its top closed, a flange formed on the bottom of said heating body and extending entirely around the sides thereof to provide a bread support, said flange being disposed at substantially right angles to the sides of the heating body, and a substantially frusto-pyramidal shaped cover formed of imperforate sheet material movably supported on the outer edges of said base flange and extending entirely over the heating body.

1,502,895. APPARATUS FOR TREATING GASES. OSCAR L. BARNEBEY, Cleveland, Ohio. Filed Oct. 24, 1919. Serial No. 333,115. 2 Claims. (Cl. 75—1.)



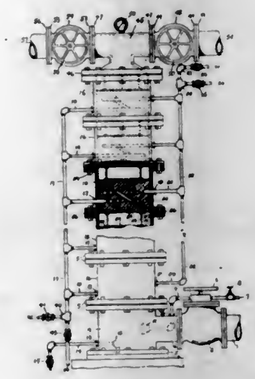
1. An apparatus for highly superheating gases having all of the parts in contact with the superheated gases of iron alloy containing a small quantity of copper and possessing high resistance against corrosion and deterioration by superheated gases under pressure.

1,502,896. PROCESS FOR THE UTILIZATION OF VEGETABLE MATERIALS AND MANUFACTURE OF GAS ADSORBENT AND DECOLORIZING CARBONS. OSCAR L. BARNEBEY, Detroit, Mich. Filed Mar. 23, 1921. Serial No. 454,972. 7 Claims. (Cl. 252—3.)

1. The process of treating vegetable carbonaceous materials to effect the economic utilization of constituents thereof including carbon, which comprises charring said materials, treating the charred materials with hydrofluoric acid and a mineral acid other than hydrofluoric acid to convert the silica thereof into volatile silicon tetra-fluoride and extract the base constituents thereof as soluble salts of mineral acids, and washing and drying the residual carbon.

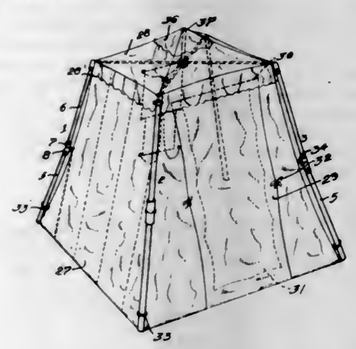
1,502,897. APPARATUS FOR SEPARATING AND RECOVERING GASES. OSCAR L. BARNEBEY, Columbus, Ohio. Original application filed July 20, 1920, Serial No. 397,745. Divided and this application filed July 29, 1922. Serial No. 578,332. 5 Claims. (Cl. 183—4.)

1. In apparatus for separating the constituents of gaseous mixtures by adsorption under pressure, the combination of a plurality of separable metallic container sections comprising end sections and a series of intermediate sections, separated layers of adsorbent material in said intermediate sections, foraminous plates engaging the opposite sides of each layer of adsorbent material to hold it in position against the force of gravity and



the force of gas under pressure, an inlet passage in one of said end sections for the gaseous mixture to be treated, valved outlet passages in the other end section for unadsorbed gas and adsorbed gas, respectively, and means for controlling the temperature of the adsorbent material.

1,502,898. TENT. FREDERICK O. BERG, Spokane, Wash. Filed Jan. 12, 1924. Serial No. 685,757. 4 Claims. (Cl. 135—4.)

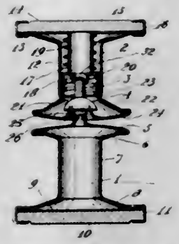


4. The combination with four foldable posts, of a central bushing and an adjustable post therein, pairs of perforated ears on said bushing and angular radiating bars pivoted in said ears, adjustable, telescopic bars forming extensions of the radiating bars, a bracket between each post and its complementary extension, and said bracket having a swivel joint with its post section and a pivoted joint on its complementary extension.

1,502,899. CUFF BUTTON. SAMUEL F. BERNARDINI and PARIS DELLA CASSE, Cuddy, Pa. Filed Mar. 17, 1924. Serial No. 699,649. 2 Claims. (Cl. 24—109.)

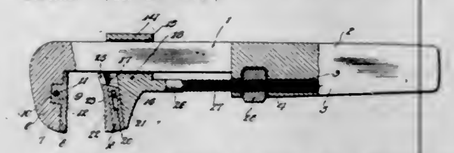
1. In a cuff-button, a male part and a female part; a substantially cruciform retaining member secured to said male part, the longitudinal stem of said retaining member extending considerably beyond the cross-arms thereof; an aperture provided in said female part engaged by said retaining member; rectangularly disposed

notches provided in said female part for engagement by said retaining member; spring operated means to hold said retaining member in said notches against rotation,



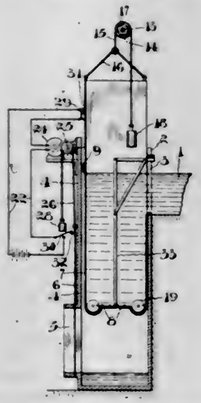
and a sleeve element positioned within the female member and closely engaged by said extension of the retaining member.

1,502,900. WRENCH. LARKIN BRILES, Davis Creek, Calif. Filed July 7, 1922. Serial No. 573,271. 2 Claims. (Cl. 81—179.)



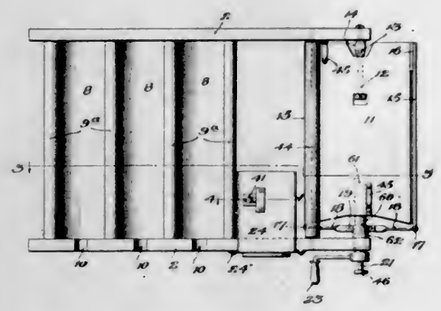
1. A wrench comprising a shank and coacting jaws having opposing faces, one of which is adjustable with relation to the other, working face of the plates mounted upon the jaws, the face plate of one of the jaws being slightly inclined with respect to the longitudinal edge of the shank and the working face of the plate of the other jaw being more pronouncedly inclined with respect to said longitudinal edge, and means including a pin and slot connection for slidably supporting one of said face plates upon the adjacent jaw, the working face of said plate being, when the plate is in position, located in a plane diverging from the plane of the face of the first-mentioned jaw and in the direction of the outer ends of the jaws, the last-mentioned face plate being arranged for conction with the other face plate to grip an object supported therebetween.

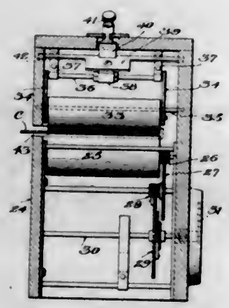
1,502,901. HYDRAULIC POWER DEVICE. BRUCE A. BRISTOW, Toronto, Ontario, Canada. Filed Dec. 1, 1923. Serial No. 678,047. 3 Claims. (Cl. 253—18.)



1. A hydraulic power device comprising a reservoir; a stationary chamber having the upper part of one side open to the reservoir and extending downwardly to provide a suitable fall; a crib vertically movable in said chamber and having an opening in one side adapted to maintain communication with the opening in the side of the stationary chamber as the crib rises and falls; a gate controlled outlet adjacent the bottom of the chamber; and a gate controlled outlet in the bottom of the crib.

1,502,902. CLOTH-MEASURING MACHINE. LEE ROY BROWN, Chickasha, Okla. Filed June 28, 1923. Serial No. 648,239. 9 Claims. (Cl. 33—129.)



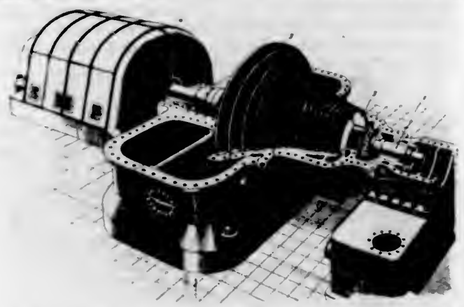


1. In a cloth measuring machine, a casing having transverse partitions, a sheet metal member bent to form roll-receiving pockets having sides engaged with the opposite sides of the partitions and having rounded tops engaged with the partition tops and further having rounded bottoms disposed between the partitions, a case carried by a side of the casing, measuring mechanism in the case, said case being disposed adjacent the innermost pocket and having its ends and inner side slotted at points adjacent the tops of the pockets to receive the cloth through the slots, and a cloth-receiving reel carried by the casing and arranged on the opposite side of the case from the pockets.

1,502,903. STEAM-TURBINE ROTOR AND METHOD OF AVOIDING WAVE PHENOMENA THEREIN. WILFRED CAMPBELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 27, 1923. Serial No. 621,655. 7 Claims. (Cl. 253—39.)

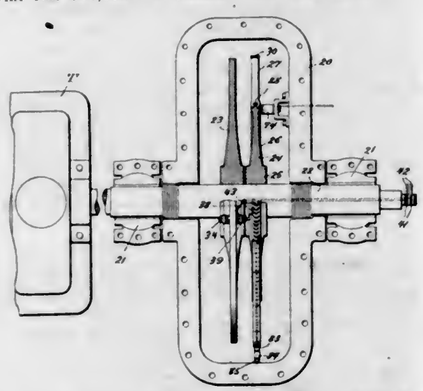
1. A turbine rotor comprising a shaft and a plurality of turbine wheels mounted thereon, at least one of said wheels possessing such stiffness and mass that it has a critical speed in the neighborhood of the normal operating speed of the rotor, the rotor being further

characterized by the fact that all of the wheels on said rotor are so proportioned that no standing waves



of appreciable magnitude are produced in any of said wheels at speeds closer to the normal operating speed than approximately 10% of said operating speed.

1,502,904. ELASTIC-FLUID TURBINE ROTOR AND METHOD OF AVOIDING TANGENTIAL BUCKET VIBRATION THEREIN. WILFRED CAMPBELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 22, 1923. Serial No. 647,193. 8 Claims. (Cl. 253—39.)



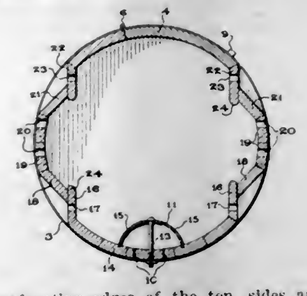
1. In an elastic fluid turbine, a rotor having a row of buckets thereon which buckets have a natural frequency of tangential vibration less than 3.5 times the normal operating speed of the turbine, characterized by the fact that said row of buckets is tuned in advance so that the rotor speeds of which the natural running frequencies of tangential vibration of the row of buckets are multiples are not closer to said normal operating speed than approximately 5% of such normal operating speed.

1,502,905. COMPOUND FOR CURING AND COLORING MEATS. SALADINE EUGENE COLGIN, Dallas, Tex. Filed May 15, 1922. Serial No. 561,023. 6 Claims. (Cl. 99—1.)

1. A compound for curing and coloring meat consisting of pyroligneous acid; sugar browned sufficiently to impart color without detracting from the sweetening properties; and glycerine substantially in the proportions specified.

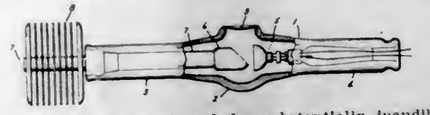
1,502,906. CYLINDER. RICHARD M. COMISKEY, Quincy, Ill. Filed Nov. 25, 1922. Serial No. 603,276. 1 Claim. (Cl. 68—21.)

A clothes containing cylinder adapted for rotation in a washing machine, comprising a top, apertured sides, a bottom having a series of apertures therethrough, and a spray element surrounding said apertures, oppositely inclined strips connected together in pairs and connected



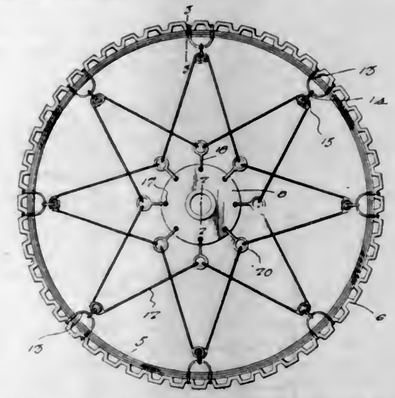
to the confronting edges of the top, sides and bottom, and one of each pair of strips having a central line of apertures therethrough.

1,502,907. X-RAY DEVICE. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 30, 1919. Serial No. 307,814. 5 Claims. (Cl. 250—35.)



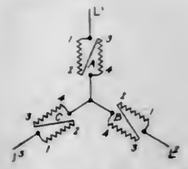
1. An X-ray tube adapted for substantially inaudible operation comprising a cathode adapted to operate at incandescence, an anode and an enclosing evacuated envelope of glass closely surrounding said electrodes having a thickness of the order of about one-fourth inch.

1,502,908. SPRING WHEEL. COMMODORE PERRY COZATT, Danville, Ill. Filed Nov. 14, 1923. Serial No. 674,702. 1 Claim. (Cl. 152—29.)



In a spring wheel of the character described, a resilient deformable rim, a hub disposed within the rim and having end flanges, tangential spokes normally connecting the hub and rim in concentric spaced relation, said spokes having pivotal connection with the hub flanges and the rim for swinging movement relative to the latter in the plane of the wheel and being arranged in pairs with the spokes of each pair arranged in inwardly diverging relation, means to adjust one of the hub flanges longitudinally of the hub toward and away from the other flange, said hub comprising a flanged section having a reduced end with an externally threaded sleeve rotatably disposed upon said reduced end, said adjustable flange having threaded connection with said sleeve.

1,502,909. ASYNCHRONOUS MOTOR. FLEURY DE-FLASSIEUX, Paris, France, assignor to General Electric Company, a Corporation of New York. Filed Sept. 3, 1921. Serial No. 498,446. 2 Claims. (Cl. 172—214.)



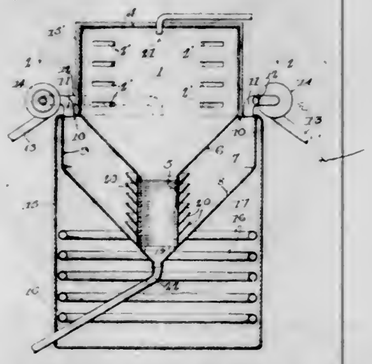
1. The method of starting a squirrel cage polyphase motor having a plurality of sections in each of its stator phases, which consists in first operating the motor with the sections in each phase in series and the phases in star, and then changing, in a plurality of steps to parallel connection of the sections and to delta connection of the phases.

1,502,910. COMBINED CANDY BOX AND RECEPTACLE FILE. HARRY DILAS, Bay City, Mich. Filed Aug. 11, 1922. Serial No. 581,142. 2 Claims. (Cl. 206—62.)



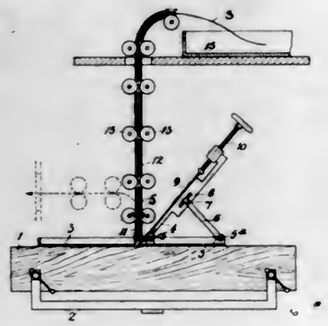
1. A combined confectionery box and record file, comprising a receptacle the upper edges of which are bent inwardly to form individual compartments on the top and bottom respectively, record files or shelves on the interior of the receptacle, and doors hingedly secured thereto to facilitate the inserting or removal of the records.

1,502,911. EVAPORATING APPARATUS. WILLIAM G. DOERN, Milwaukee, Wis. Filed May 17, 1920. Serial No. 381,818. 5 Claims. (Cl. 159—4.)



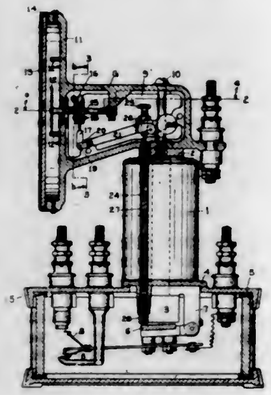
5. In a device of the character described, the combination with a cylindrical receptacle, of a heating coil disposed in the lower portion of said receptacle about the wall thereof, a second receptacle having a downwardly converging bottom wall portion terminating in a port and disposed within the heating influence of said coil, a pipe leading from said port through said coil and outwardly of said first mentioned receptacle, a third receptacle having a major portion above said second receptacle and having a downwardly converging wall portion within said second receptacle and terminating in a port substantially in axial alignment with the port of said second receptacle, a cylindrical screen peripherally connected with said second and third receptacles about said ports, means for withdrawing air from said second receptacle and means for admitting air and liquid to said major portion of said third receptacle.

1,502,912. PROCESS OF AND APPARATUS FOR FORMING BAST-WOOD FIBERS FOR MAKING FABRICS AND WEBS. JOSEF KÜMPFEL, Alt-Ehrenberg, Czechoslovakia. Filed July 10, 1923. Serial No. 650,725. 1 Claim. (Cl. 144—2.)



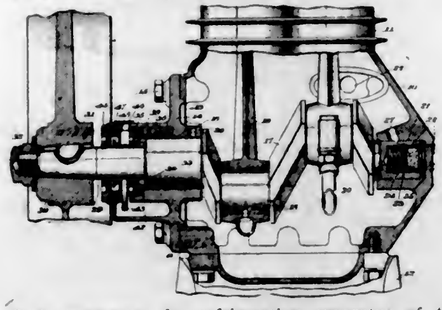
A process of forming bast-wood fibers for making fabrics and webs, consisting in planing-off from a wood piece thin chips of the width of the latter, collecting said chips in superposed fashion in a collector, providing one end of the uppermost chip with glue, joining the single chips into a long strip, splitting the latter into single thin fibers, winding the latter on bobbins, and using the same as warps and wefts, substantially as set forth.

1,502,913. TOWER INDICATOR. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed July 7, 1919. Serial No. 309,208. 15 Claims. (Cl. 177—3.)



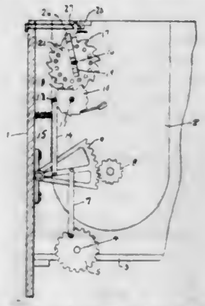
1. In an indicating relay having a movable armature, an up-and-down rod resting upon said armature and raised by the attraction thereof, a biased rocking lever actuated by said rod, and indicating means movable from one indicating position to another in a vertical plane and operatively connected to said rocking lever, said rod being guided by said rocking lever.

1,502,914. COMPRESSOR OR LIKE DEVICE. HENRY B. JOY, Detroit, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 24, 1917. Serial No. 208,627. 9 Claims. (Cl. 286—7.)



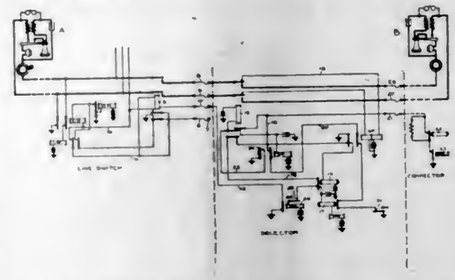
8. A compressor for refrigerating apparatus of the household type comprising a casing having shaft bearings formed therein, a shaft member journaled in said bearings and having a crank integral therewith, one end of said shaft member projecting through the casing wall and provided with an annular shoulder having a bearing surface thereon, the shaft bearing for the projecting end of said shaft member being relatively short, interfitting sealing means between the shoulder and the adjacent wall of the casing so constructed and arranged as to seal the casing during all conditions of alinement or misalinement of the shaft in the bearings, said sealing means including a bearing ring member surrounding the shaft member and having a bearing surface in engagement with said first-mentioned bearing surface and spring means within the casing and interposed between the casing and one end of the shaft member to thrust the entire shaft member endwise and to force said bearing surfaces together.

1,502,915. TIMING DEVICE FOR WASHING MACHINES. PETER NEUWERK, Moline, Ill., assignor to Henry W. Hubers, Davenport, Iowa. Filed Dec. 27, 1920. Serial No. 433,268. 2 Claims. (Cl. 192—142.)



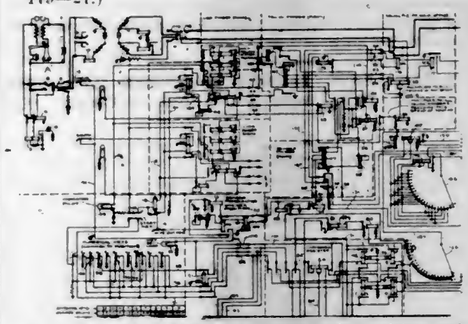
1. In a device of the class described, in combination with the frame of the machine and operating mechanism thereof, a shaft mounted therein so as to be rotatable and also capable of a limited longitudinal movement; a toothed wheel loosely mounted on said shaft; a frame fixed to said shaft and provided with a switch-throwing member; means for compelling a normal engagement of said last-named frame with said toothed wheel; yieldable means for holding said last-named frame and toothed wheel in spaced-apart relations, when disengaged; a movable member in proximity to said toothed wheel, adapted to receive intermittent progressive movements, and provided with means for engagement with said toothed wheel to impart a partial rotation thereto for each cycle of operation of said member; and means for imparting the movement of said operating mechanism to said movable member, to give intermittent action thereto.

1,502,916. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed July 23, 1919. Serial No. 312,824. 12 Claims. (Cl. 179—18.)



1. In a telephone system, an automatic switch, primary and secondary magnets for operating said switch, a primary circuit for said primary magnet, an initial energizing circuit for said secondary magnet local to said switch, and a substitute circuit including the winding of said secondary magnet and completed at a point remote from said switch, and releasing means therefor.

1,502,917. INTEROFFICE TRUNKING SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 4, 1920. Serial No. 428,225. 23 Claims. (Cl. 179—27.)

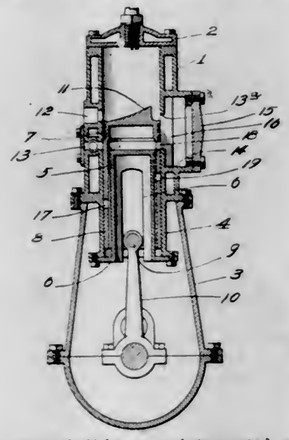


1. In telephone system, an operator's position, telephone lines terminating in said position, a second operator's position, other lines terminating thereat, trunk circuits connecting said positions, a trunk indicating device at said first position, a line indicatng device at said second position, means at said first position whereby an operator receive the designation of wanted lines, means controlled at said position for initiating a connection to a wanted telephone line, means responsive thereto for selecting an idle trunk to said second operator's position and for causing said trunk indicating device to give the trunk indication of the selected trunk line at said first operator's position, a circuit for connecting the calling line and the selected trunk, means controlled at said first position for causing said line indicating device to give the designation of the wanted line, and a manual switch by means of which an operator at said second position connects the selected trunk to the wanted telephone line.

1,502,918. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. LELAND L. SCOTT, Savannah, Mo. Filed July 31, 1922. Serial No. 578,669. 1 Claim. (Cl. 123—50.)

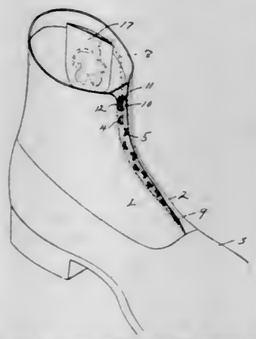
In a two-cycle internal combustion engine, a cylinder having an elongated bore, an internal cylinder head bolted to the extremity of said cylinder and closing the end thereof and being provided with a series of piston

rings, a piston for reciprocation in said cylinder and having its internal face in frictional contact with the rings of said internal head, a combustible mixture supply and an exhaust port in said cylinder, a by-pass chamber having a single port with its lower edge in horizontal alinement with the top of the internal head, a pair of ports in said piston; said by-pass and piston ports being so ar-



ranged that there shall be an uninterrupted compression of the combustible mixture in the by-pass chamber on the back stroke of the piston, one of said piston ports passing beyond the rings of the internal head on the back stroke of the piston, and a supply port in said piston adapted for registration at times with said cylinder supply port and on the back stroke of the piston passing beyond the rings of the internal head.

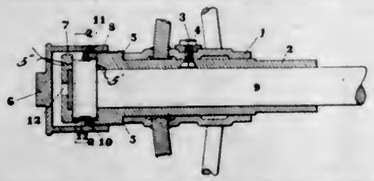
1,502,919. SHOE. FRANK A. SEIB, Detroit, Mich. Filed July 10, 1922. Serial No. 574,039. 5 Claims. (Cl. 24—140.)



1. In a shoe, the combination with upper sections having spaced edges, of eyelets arranged in the space between said edges and alternately secured thereto, a lace extending through said eyelets and having its lower end secured to the shoe, and cleats extending from said edges at the upper ends of said upper sections and around which said lace is looped.

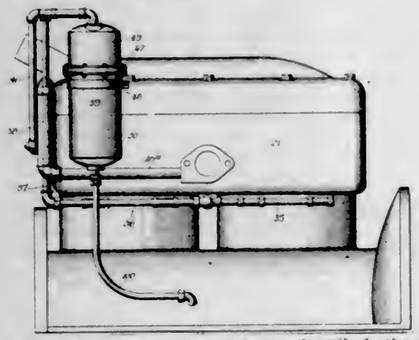
1,502,920. WHEEL HUB. WALTER H. SILVER, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed May 19, 1919. Serial No. 298,231. 7 Claims. (Cl. 301—122.)

7. An axle support comprising a wheel hub, a bearing box extending through the hub and secured thereto, the outer end of said box being of greater diameter than the outer end of the hub, a transverse recess in the outer portion of said box, an opening extending from said recess to the outer surface of the box, a collar insertible in said recess and having diametrically opposed openings, an axle journaled in said box and extending through said collar, an opening transversely of said axle in line with



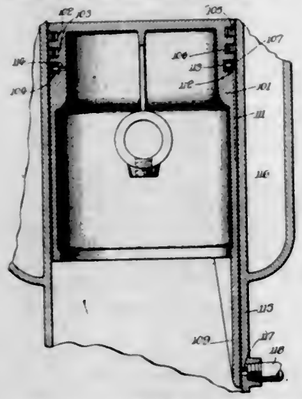
the openings in the collar, and a cotter inserted in the openings in the collar and the shaft to hold the two together, and a cap on the end of the box.

1,502,921. INTERNAL-COMBUSTION-ENGINE OIL AND FUEL APPLIANCE. RALPH L. SKINNER, Sacramento, Calif., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif., a Corporation of California. Filed May 26, 1921. Serial No. 472,746. 45 Claims. (Cl. 123—196.)



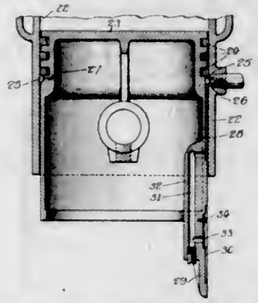
1. In a structure of the character described, the combination of a cylinder of an internal-combustion engine, a reciprocatory piston in said cylinder having a transverse, fluid-collecting channel, means to admit air to said channel, means to lubricate said cylinder and piston, and means to apply suction to said channel to withdraw its contents.

1,502,922. INTERNAL-COMBUSTION-ENGINE CONSTRUCTION. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif., a Corporation of California. Filed July 21, 1922. Serial No. 576,516. 9 Claims. (Cl. 74—108.)



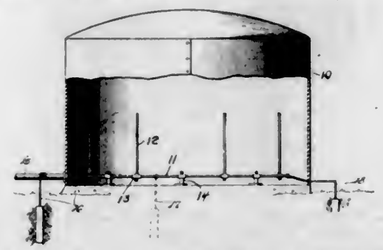
1. The combination of a piston having a piston-ring groove and a piston-ring in said groove, said piston having a groove on its exterior disposed longitudinally of the piston and in communication with said piston-ring groove inwardly of the piston-ring.

1,502,923. PISTON FOR INTERNAL-COMBUSTION ENGINES. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif., a Corporation of California. Original application filed May 26, 1921, Serial No. 472,746. Divided and this application filed Aug. 30, 1922. Serial No. 585,309. 17 Claims. (Cl. 74—108.)



1. An internal-combustion engine piston having an external, transverse channel, an external longitudinal groove communicating with said channel and adapted when opposite a port in the engine cylinder wall to establish connection between such port and channel, and a lengthwise extension at one side of the piston-skirt in register with said longitudinal groove and adapted to co-operate with said cylinder-port.

1,502,924. INDUCTIVE STATIC DRAIN FOR OIL-STORAGE TANKS. CHARLES A. STANLEY, Wichita, Kans. Filed Nov. 21, 1921. Serial No. 516,839. 3 Claims. (Cl. 175—364.)



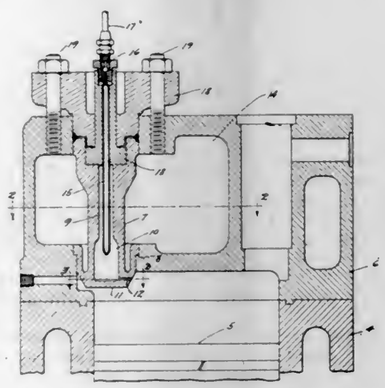
1. A device for continuously draining induced electric charges from conducting particles suspended within the contents of a tank and for conducting said charges to the ground, said device comprising a horizontally positioned base member, a plurality of upright collecting members, and a ground connecting element for said base member, said members being made from short metallic rods, T's joining said rods to form the base and collecting members, and feet attached to said base member, said ground connecting element including a bent rod attached to one of said T's, the lengths of said rods for said members being such that the device may be completely enclosed by the tank.

1,502,925. PROJECTILE. CHARLES W. STONE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 30, 1918. Serial No. 247,393. 8 Claims. (Cl. 102—28.)



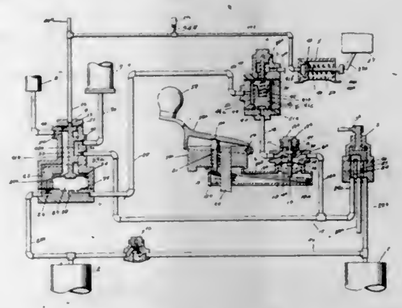
7. An armor piercing projectile comprising a core of wrought tungsten substantially smaller than the bore of the gun with which it is to be used, a jacket of aluminum encasing the nose of said bullet, and a cap of metal harder than aluminum adapted to take the rifling of the gun surrounding the base of the core.

1,502,926. METHOD OF AND MEANS FOR FUEL INJECTION FOR INTERNAL-COMBUSTION MOTORS. JOHN H. SUTER, Los Angeles, Calif. Filed June 7, 1920. Serial No. 387,096. 4 Claims. (Cl. 123—33.)



1. In an internal combustion engine, the combination of the cylinder thereof with a fuel injection means comprising a chamber having an elongated outer end and a bulbous inner end communicating with said cylinder, means to cool substantially all of the walls of said chamber, and means to introduce a charge of fuel into the enlarged end of said chamber.

1,502,927. FLUID-PRESSURE BRAKE. HARRISON S. SWEET, Utica, N. Y. Filed Nov. 10, 1921. Serial No. 514,193. 24 Claims. (Cl. 303—19.)

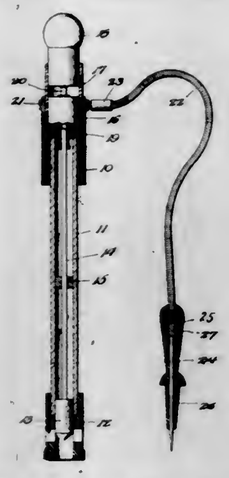


1. In a fluid pressure brake containing an emergency valve, a brake cylinder, pipes for carrying fluid pressure whereby to operate the emergency valve, and means for switching the fluid pressure from the pipes which operate the emergency valve to other pipes carrying fluid pressure and others carrying atmosphere pressure.

1,502,928. STORAGE-BATTERY TESTER. JAMES L. THOMPSON, Greensburg, Pa. Filed July 15, 1920. Serial No. 396,520. 2 Claims. (Cl. 175—183.)

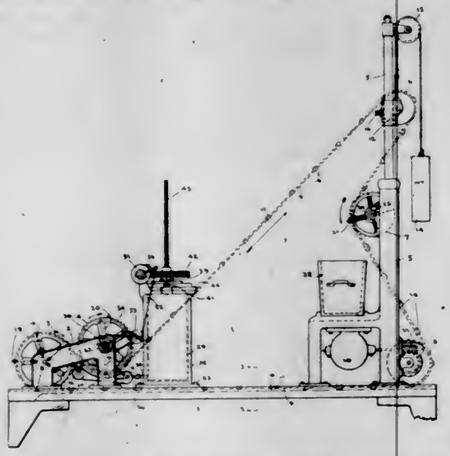
1. A storage battery tester including a shell, a lamp socket carried thereby, an indicating lamp fitted in said socket, an immersible electrode coupled with the shell

and electrically connected with the socket, a collar surrounding the socket in circuit with the lamp, a cable



connected to said collar and provided with means to coact with the socket locking the collar in position, and a contact electrode connected to said cable.

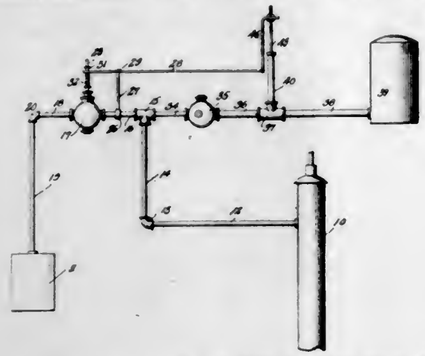
1,502,929. OLIVE-STUFFING MACHINE. JAMES K. TUTTLE, Oakland, Calif. Filed June 26, 1923. Serial No. 647,868. 14 Claims. (Cl. 146—27.)



1. An organized mechanism for stuffing olives, comprising means for centering the olives, means for pitting the olives, and means for filling the pit spaces with a compound comprising an injector nozzle inserted into the pitted olive and withdrawn upon the space being filled.

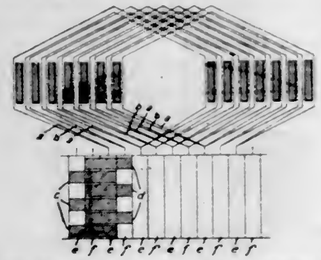
1,502,930. AUTOMATIC WATER CUT-OFF. MACK P. WERHAN, Bennington, Kans. Filed Mar. 21, 1921, Serial No. 453,918. Renewed June 3, 1924. 4 Claims. (Cl. 103—42.)

1. In a device of the character described the combination with a pump and a stock tank connected to the pump to receive water therefrom, of a cut off valve interposed between said pump and said stock tank and normally closing communication between the pump and the stock tank, a pressure tank, a check valve, means connecting said check valve and said pressure tank, means connecting said pump and said cut off valve, means connecting said check valve and said last named means,



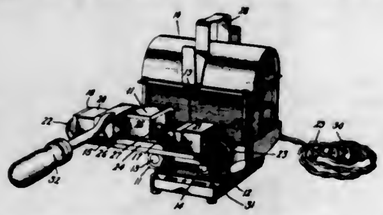
means connecting said cut off valve and said stock tank, and pressure actuated means operable from a point intermediate said pressure tank and said check valve to open said cut off valve upon the accumulation of a predetermined pressure within said pressure tank.

1,502,931. DYNAMO-ELECTRIC MACHINE. FRANK PERCY WHITAKER, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 1, 1920. Serial No. 420,923. 2 Claims. (Cl. 171—206.)



2. A winding, each of the coils of which are formed of two sections, one being under and one over pole pitch, each section being formed of a portion which occupies the bottom of one slot, a portion which occupies the top of another slot and a conductor joining the two portions, the conductors which join the portions of two sections of the single coil crossing each other at the rear of the armature.

1,502,932. ELECTRIC HEATER. WILBUR L. YOUNG, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed June 30, 1921. Serial No. 481,492. 6 Claims. (Cl. 219—23.)



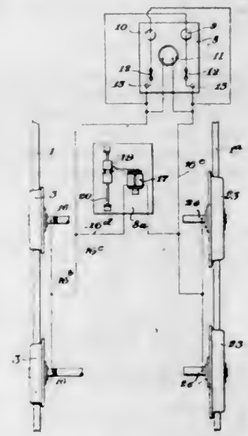
1. In an electric heater, the combination with a workpiece, of a support for said workpiece, and stationary and resiliently yieldable electrodes on said support adapted to engage said workpiece and heat the same.

1,502,933. AUTO LOCK. JOHN M. ALLEN, St. Johnsbury, Vt. Filed Aug. 22, 1923. Serial No. 658,818. 5 Claims. (Cl. 70—90.)



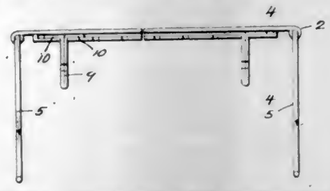
1. A device of the class described comprising a T-plate having a head and a shank, a head-plate slidable on the shank, a slide on the shank to abut the head-plate, said shank having apertures to receive a pad lock.

1,502,934. MEANS FOR TESTING TRACK CIRCUITS. ABRAHAM B. BARNETT, Roanoke, Va. Filed Dec. 10, 1923. Serial No. 679,771. 3 Claims. (Cl. 175—183.)



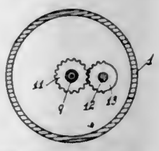
3. Apparatus for testing the continuity of a track circuit having a source of current connected between the rails thereof, comprising a car adapted to run upon the rails and having the wheels on one side insulated from those on the other side, an internal combustion engine for driving said car, an electromagnet on said car having one end of its winding connected with the wheels at one side of the car, and the other end of its winding connected with the wheels at the other side of the car, whereby said winding is included in a series circuit with said source of current through the rails, a battery carried by said car, a circuit for supplying ignition current from said battery to said engine, a switch in said circuit, a lamp also on said car, a circuit for supplying current from said battery to said lamp, said circuit including a switch, means controlled by said electromagnet, when energized, for maintaining said ignition circuit switch closed and said lamp circuit switch open, and means operating automatically, upon deenergization of said electromagnet for simultaneously closing said lamp circuit switch and opening said ignition circuit switch, whereby a signal is given and the car stopped when any break in the continuity of the track circuit is encountered.

1,502,935. SHADE AND CURTAIN BRACKET. AUGUST BOHRER, Jersey City, N. J. Filed May 15, 1922. Serial No. 561,059. 1 Claim. (Cl. 156—23.)



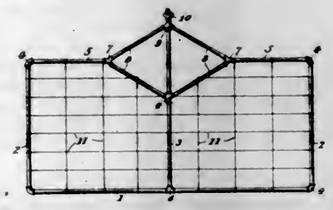
A combined curtain and shade bracket formed from a single sheet of material bent at its longitudinal axis to provide a base plate and a retaining plate, said retaining plate having spaced notches formed thereon adapted to receive means for supporting a shade roller and having its ends bent at right angles toward the base plate to keep said retaining plate spaced parallel from said base plate and the ends of said base plate being rolled to provide cylindrical sleeves adapted to receive curtain supporting elements.

1,502,936. SOAP DISPENSER AND CONTAINER. JOSEPH N. BORROUGHS, Oakland, Calif. Filed Apr. 25, 1921. Serial No. 464,120. 2 Claims. (Cl. 221—79.)



1. A soap dispenser including a soap container, a nozzle extending from one end of said container, a screw journaled longitudinally in said container, a piston slidable on said screw, a clutch on said screw for engaging said piston when the screw is rotated to advance said piston to eject soap through said nozzle, a gear on said screw, a shaft in the upper end of the container extending outside the container, a mutilated gear on said shaft meshing with the gear on said screw, and a thumb wheel on the outer end of said shaft.

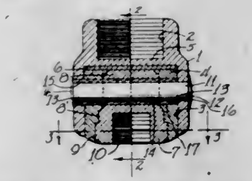
1,502,937. GATE. WESLEY J. BRIGNER, Grano, N. Dak. Filed Feb. 8, 1922. Serial No. 534,920. 1 Claim. (Cl. 256—73.)



A gate structure comprising a main frame including upper and lower horizontal sections, each section comprising a pair of tubular members, vertical sections at the outer ends of said upper and lower horizontal sections, the tubular members forming the lower section being connected at their inner opposed ends by a T shaped coupling, an auxiliary frame substantially dia-

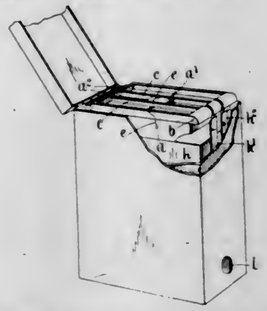
mond-shaped supported at one pair of diametrically opposed apices thereof on the inner opposed ends of the tubular members forming the upper horizontal section, and a central bracing member supported at its lower end in said T shaped coupling and extending vertically through the upper and lower apices of said auxiliary frame.

1,502,938. INSULATED COUPLING FOR ELECTRIC FIXTURES. FRANK LOWELL BUTLER, Chicago, Ill. Filed Jan. 19, 1922. Serial No. 530,397. 1 Claim. (Cl. 173—365.)



An insulated coupling comprising a body portion having an internally threaded recess in one end thereof and a recess in the other end thereof, said recesses being separated by a partition, an insulating disc disposed adjacent to said partition, an insulating sleeve disposed in the recess having the disc, and being adapted to abut said disc, a pipe supporting member disposed in said sleeve, a pin inserted through said body portion and said member, and an insulating sleeve disposed between said pin and said member.

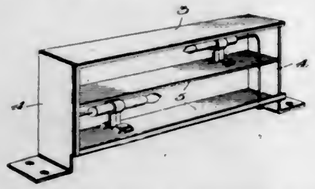
1,502,939. FLASH-LIGHT APPARATUS. EMILE CHASSERAUX, Paris, France. Filed Sept. 24, 1923. Serial No. 664,633. 3 Claims. (Cl. 67—31.)



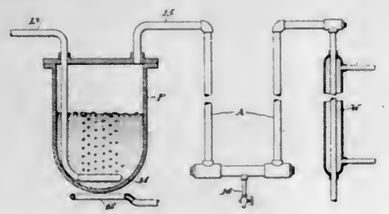
1. A flashlight apparatus comprising in combination a dry battery mounted in a case, a cap formed of insulating material mounted on the said case and adapted to receive on its upper face a charge of flashlight powder, a bobbin supported rotatably by the said cap, a fine fusible wire wound on the said bobbin, and a pair of contact arms pivotally mounted on the said cap and adapted to clamp the free end portion of the said wire upon its upper face, one of the said arms being in electrical contact with one pole of the battery and the other arm being adapted to be connected to the other pole by means of a switch when the wire has been so clamped.

1,502,940. AUTOMOBILE DIRECTION INDICATOR. HERBERT THOMAS COX, Long Beach, Calif. Filed Apr. 8, 1921. Serial No. 459,786. 2 Claims. (Cl. 177—329.)

1. A casing for direction indicators for use on automobiles constructed of a single piece of metal including a back, a top integral with the back and extending at right angles thereto, depending side walls integral with the top, said side walls each having a foot portion provided with apertures to constitute attaching means, the top and one of the side walls being flanged to provide a support, a bottom secured in the casing and having a flange providing a support complementary to the support of the top and side, a signalling panel for the front of the casing, engaged with the supports of the top side and bottom and signalling means within said casing.

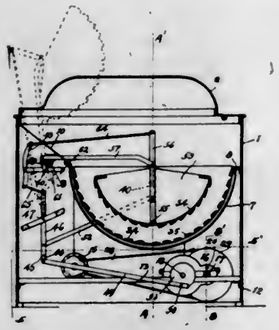


1,502,941. PROCESS OF OXIDIZING DIBENZYL. HENRY R. CURME, Clendenin, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed May 4, 1922. Serial No. 558,533. 4 Claims. (Cl. 260—108.)



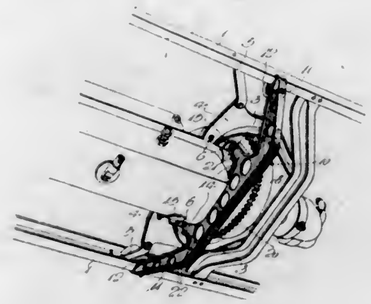
4. Process of oxidizing dibenzyl which comprises bringing molecular oxygen into intimate contact with the dibenzyl at a temperature between 150° C. and 284° C., whereby the oxygen acts directly on the dibenzyl with the formation of oxygenated aromatic compounds; and recovering the oxygenated compounds so formed.

1,502,942. WASHING MACHINE. JOHN DONALD DOWNIE, Winnipeg, Manitoba, Canada. Filed Feb. 27, 1922. Serial No. 539,607. 10 Claims. (Cl. 68—20.)



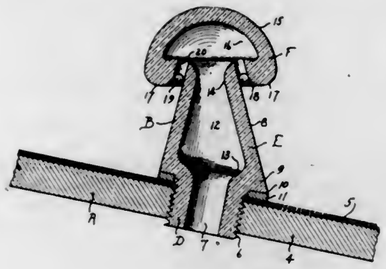
2. In a washing machine of the type embodying upper and lower relatively movable rubbers, the provision of means supporting the upper rubber for displacement from an operative to an inoperative position, with respect to the lower rubber, power driven means for actuating said rubbers and means acting automatically to render said power driven means substantially inoperative with respect to actuation of the upper rubber upon displacement of the latter to an inoperative position.

1,502,943. MOTOR SUPPORT. WILLIAM G. DUNN, Clarinda, Iowa. Filed June 16, 1921. Serial No. 478,086. 6 Claims. (Cl. 180—64.)



1. An automobile chassis having side bars, a motor between said side bars, transmission supporting bracket arms straddling the fly-wheel of the motor and having horizontal plate-like front ends at opposite sides of and secured to the motor crank case, a cross bar having a pair of rigid upstanding arms secured against the lower sides of said plate-like ends of the bracket arms, said cross bar having additional rigid arms projecting outwardly from the lower ends of said upstanding arms, said additional arms having their inner ends spaced downwardly from the upper ends of said upstanding arms to extend under said transmission supporting bracket arms, and means for rigidly securing the free ends of said additional arms to said side bars of the chassis.

1,502,944. VENTILATOR. DAVID S. EARHART, Wauchula, Fla. Filed June 1, 1923. Serial No. 642,811. 2 Claims. (Cl. 98—4.)

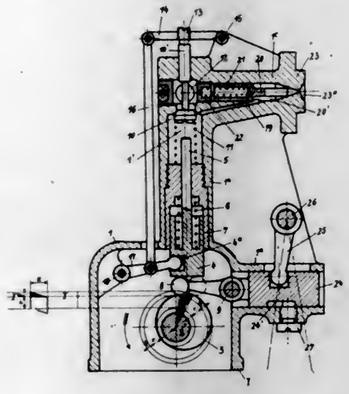


1. A ventilator comprising a hollow frustro conical shaped body portion, a depending nipple for engagement with a solid roof, and a dome shaped head formed on the body portion having an inner chamber therein communicating with said hollow body portion, said dome shaped head having its under surface convex, defining an annular flange and extending into an annular groove provided with port openings leading into the inner chamber of the head.

1,502,945. PROCESS OF MAKING COLLOIDAL BODIES. CARLETON ELLIS, Montclair, N. J. Filed Apr. 3, 1922. Serial No. 549,309. 10 Claims. (Cl. 260—3.)

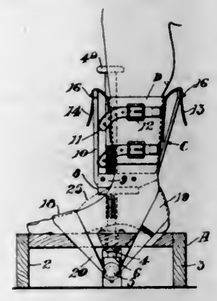
2. The process of making a colloid which comprises reacting on acetone and formaldehyde in the presence of disodium phosphate and caustic soda such reaction being continued to form a white transparent jelly.

1,502,946. FUEL-INJECTION DEVICE FOR DIESEL MOTORS WITHOUT COMPRESSORS. ERNST FREY, Troisdorf, near Cologne-on-the-Rhine, Germany. Filed Mar. 7, 1924. Serial No. 697,653. 4 Claims. (Cl. 123—140.)



1. A fuel injecting device of the character described, comprising a casing, a plunger and a guide member therefor, a cam mounted beneath said guide member, a slide mounted for movement at right angles to said plunger, a regulating arm hinged at one end to said slide with its free end interposed between said guide member and cam, a swingingly-mounted arm loosely engaged in said slide, a suction valve movable in line with the plunger, and means operably connected with said guide and valve for actuating the latter.

1,502,947. ANKLE TENSION BOARD AND ARCH DEVELOPER. FRANK M. FRIESELL, San Francisco, Calif. Filed Nov. 14, 1922. Serial No. 600,793. 5 Claims. (Cl. 128—69.)

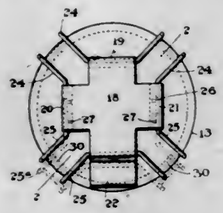


1. A device of the character described comprising a foot support, means for securing the heel and toes of the foot to said support, and means for exerting an upward pull on the leg of the foot at a point above the ankle.

1,502,948. COVER FOR RECEPTACLES. WILLIE GILL, Montreal, Quebec, Canada. Filed Mar. 30, 1923. Serial No. 628,747. 6 Claims. (Cl. 215—86.)

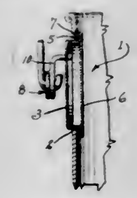
1. In a device of the character decsribed, a receptacle having a ridge formed integral with the neck and positioned on the outside of the receptacle, recesses cut in the underside of the ridge and parallel with the top of the receptacle, a cover adapted to fit over the top of the receptacle, a rubber or like gasket between the cover and

said top, a centre guide, cross-shaped to fit over said cover, a wire fixed to the centre guide by bending the ends of the cross guide over the wire, said wire being bent over the side of the ridge and adapted to engage



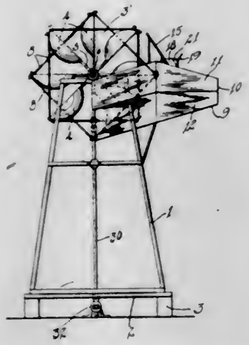
with the recesses, a second wire slidably mounted in said guide and adapted to engage with the remaining recesses in the ridge, and means integral with the guide to lock and unlock said second wire.

1,502,949. SANITARY EAR FOR BUCKETS. PERRY A. GILLIT, Rowden, Tex. Filed Apr. 5, 1923. Serial No. 630,143. 4 Claims. (Cl. 220—91.)



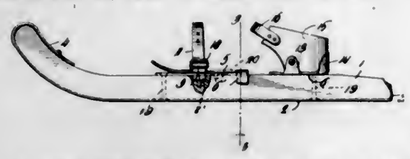
1. A bail ear of the class described comprising a cup-shaped member, a cover therefor, and a bail supporting member formed of wire carried by said cup-shaped member.

1,502,950. WIND MOTOR. HANS C. GREENBROOK, Chicago, Ill. Filed Feb. 5, 1923. Serial No. 617,632. 5 Claims. (Cl. 170—12.)



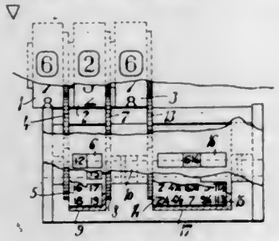
1. A device of the type described comprising a frame, a wind wheel carried by said frame, a wind shield adapted to cover the portion of said wind wheel that is turned against the wind, an auxiliary wind shield movably carried by said first named shield, a curved plate secured to said auxiliary shield, said curved plate being adapted to raise said auxiliary shield to cover a greater portion of the wind wheel when the wind exceeds a predetermined speed, said plate being hinged to said auxiliary shield, whereby it may be swung into inoperative position.

1,502,951. SKATE. JOHN HALVERSON, Madison, Wis., assignor of one-half to Charles E. Friday, Madison, Wis. Filed July 30, 1921. Serial No. 488,650. Renewed Feb. 20, 1924. 1 Claim. (Cl. 46—50.)



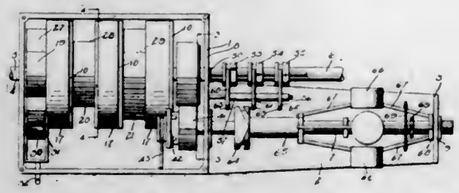
1. A skate comprising an elongated body, a nut embedded in said body, a wear plate covering said nut and having an opening to align with the opening in the nut, a toe plate slidably mounted upon said wear plate and being equipped with a slot, and a screw extending through the slot, wear plate and nut for retaining said toe plate in adjusted position.

1,502,952. CALCULATING MACHINE. HANS HERLITZ, Gothenburg, Sweden. Filed Apr. 9, 1923. Serial No. 630,938. 1 Claim. (Cl. 235—79.)



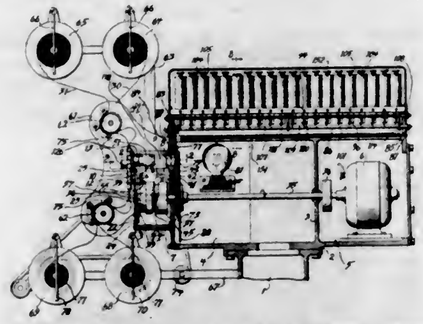
In a calculating machine, based on a definite numerical system, which machine comprises a plurality of counters, each including a plurality of figure wheels, the combination with some of the figure wheels of any of said counters, of figure wheels graduated according to a numerical system other than that upon which the machine is based, others of said first-mentioned figure wheels being connected to drums surrounding said second-mentioned figure wheels graduated according to said other numerical system, said drums being provided with apertures to cause the figures of said second-mentioned figure wheels to appear according to some definite rule.

1,502,953. AUTOMATIC TRANSMISSION FOR MOTOR VEHICLES. HENRY R. HOFFMAN, Chicago, Ill. Filed May 13, 1922. Serial No. 560,597. 3 Claims. (Cl. 74—97.)



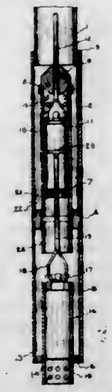
1. In a device of the character described, a sliding cam shaft, and means for intermittently moving said cam shaft longitudinally, said means comprising a plurality of fingers extending laterally of said shaft adjacent one end, a drum having a helical groove in the peripheral wall thereof at a relatively steep pitch, said groove in said drum being arranged to engage said fingers as said drum is moved longitudinally, said drum being mounted for rotation and with its axis in parallel relation to said cam shaft, means for rotating said drum, and means associated with said first named means for moving said drum longitudinally.

1,502,954. AUTOMATIC LIGHT-CONTROL APPARATUS FOR PHOTOGRAPHIC-PRINTING MACHINES. ALBERT S. HOWELL, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed July 25, 1921. Serial No. 487,225. 26 Claims. (Cl. 95—75.)



1. A photographic printing machine including feeding means operating constantly during the printing operation, a control member fed by said feeding means and having irregularities disposed in predeterminately selected arrangement thereon, a source of printing light, means for varying the printing light to predetermined degrees including a plurality of separately actuable adjustment devices, a plurality of electro-magnets for controlling actuation of respective adjustment devices, a plurality of circuit breaker devices, circuit connections whereby said electro-magnets are selectively controlled by said circuit breaker devices, said circuit breaker devices being normally in position to prevent actuation of said adjustment devices and individually controlled, to be caused to move into and out of position to effect actuation of said adjustment devices, by respective irregularities of the control member when it is in respective positions of its travel.

1,502,955. OIL-WELL PUMP. GROVER C. JOHNSON, Wichita Falls, Tex. Filed Jan. 11, 1923. Serial No. 612,129. 1 Claim. (Cl. 103—180.)



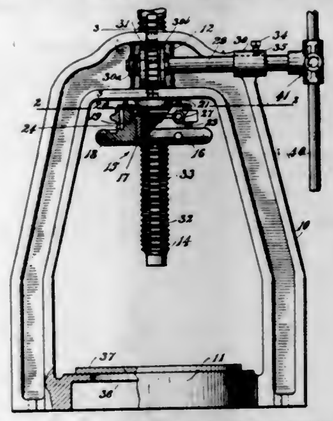
A pair of tubular members connected with a nipple having male and female threads, a reducing nipple in the lower end of the lower tubular member, a perforated tubular member extending downward from said reducing nipple, a tubular member extending upward from said reducing nipple, a tapered seat at the top of the last mentioned tubular member, a tubular member threaded into the first mentioned nipple and extending downward, a perforated tubular member threaded into the first mentioned nipple and extending upward, a close fitting tubular member slidably disposed in the last mentioned perforated tubular member, one of said valves attached to the top of said close fitting tubular member, and one of said valves disposed in the said tapered seat, a tapered ping removably disposed in the top of the last mentioned tubular member.

1,502,956. INSECTICIDE. PAUL R. JONES, Porterville, Calif., assignor to Balfour, Guthrie & Company, San Francisco, Calif., a Copartnership. Filed Apr. 27, 1921. Serial No. 465,012. 6 Claims. (Cl. 167—6.)

1. As a composition of matter, an insecticide comprising sodium naphthenate and a liquid vehicle therefor.

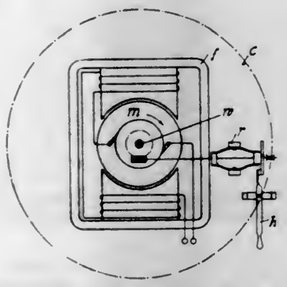
5. An insecticide emulsion comprising sodium naphthenates, cresol soap, a vehicle of mineral oil and an additional quantity of water sufficient to produce a smooth emulsion.

1,502,957. PRESS. LARNED T. KIMMERLE and DANIEL S. KIMMERLE, San Francisco, Calif. Filed May 5, 1923. Serial No. 636,962. 5 Claims. (Cl. 29—85.)



1. A press comprising a frame having a guide formed at one end thereof, an exteriorly threaded ram mounted for movement in said guide toward and from the other end of the frame, a hand wheel threaded on the ram adapted to bear against the inner end of the guide whereby a turning movement of said hand wheel in one direction will force said ram toward the other end of the frame, a rack and pinion feed mechanism for the ram operable independently of said hand wheel, said hand wheel being movable with said ram when said rack and pinion feed mechanism is being operated.

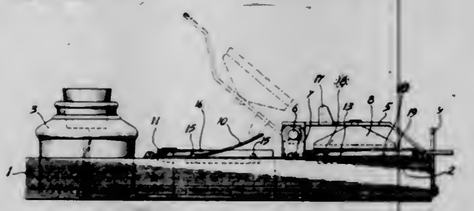
1,502,958. DEVICE FOR DRIVING SHAFTS AT A LOW AND UNIFORM SPEED BY AN ELECTROMOTOR. CARL LOTT, Horgen, Switzerland. Filed June 15, 1922. Serial No. 568,538. 1 Claim. (Cl. 172—36.)



Electric device for direct driving of shafts at low and uniform speeds, comprising an electromotor with its armature mounted upon said shaft and a centrifugal

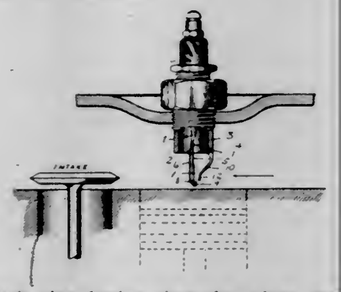
brake governor for said electromotor, and in which the magnetic field of the electromotor is supersaturated to a density of lines of force of 20000 and over per cm.², substantially as and for the purpose set forth.

1,502,959. FILM-SPLICING APPARATUS. JOSEPH H. MCNABB, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1922. Serial No. 538,161. 18 Claims. (Cl. 154—42.)



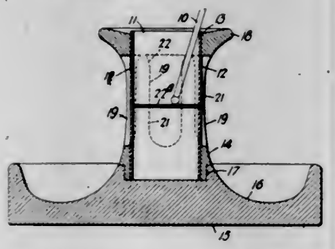
1. A film splicing apparatus including a base, film clamping means on the base comprising a clamp lever pivotally mounted on the base at an intermediate point for clamping overlapping film ends on one side of the lever axis, and film shearing means on said base and disposed on the other side of the lever axis and adapted to be actuated to shear with the movement of the lever in a direction out of its clamping position.

1,502,960. SPARK PLUG. EARL T. MARTIN, Proctor, Minn. Filed Apr. 1, 1922. Serial No. 548,844. 1 Claim. (Cl. 123—169.)



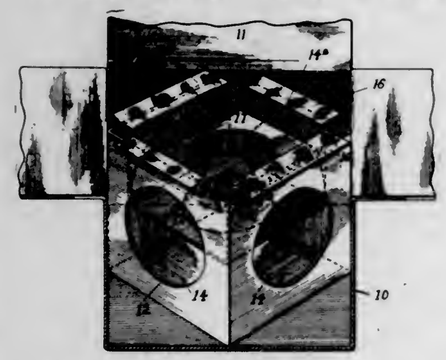
A spark plug having electrodes whose terminl are spaced apart laterally from each other, a resilient member rigidly fixed at one end to one of the electrodes for alternate engagement with the terminl of the electrodes.

1,502,961. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed May 7, 1921. Serial No. 467,726. 3 Claims. (Cl. 206—20.)



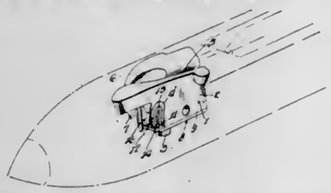
1. The combination of a pedestal having a suitable support and having apertures, and a match-container inserted in said support and comparatively narrow and high to support laterally matches upstanding therein, and having a match-striking surface exposed through the apertures, said match-container being rotatively adjustable to expose different portions thereof through the apertures, and comprising a permanent floor to support matches upstanding thereon within the apertured portion of said support, said apertures on all sides of the support and extending downwardly in a helical direction.

1,502,962. PACKING CRATE FOR HATS. BERTRAM PULVERMAN OSTERMAN, San Francisco, Calif., assignor to National Paper Products Company, San Francisco, Calif., a Corporation of California. Filed Feb. 23, 1924. Serial No. 694,597. 3 Claims. (Cl. 206—9.)



1. A packing crate for hats comprising a box-like container, a square frame arranged diagonally therein, the sides of said frame being formed with openings for the reception of hats, and a pair of removable supports suspended within the frame and extending different distances into the frame and each having an opening to receive a hat.

1,502,963. LOOM-SHUTTLE BLOCK. GEORGE R. PLOTT, Hillsboro, N. C. Filed Jan. 19, 1923. Serial No. 613,678. 6 Claims. (Cl. 139—220.)

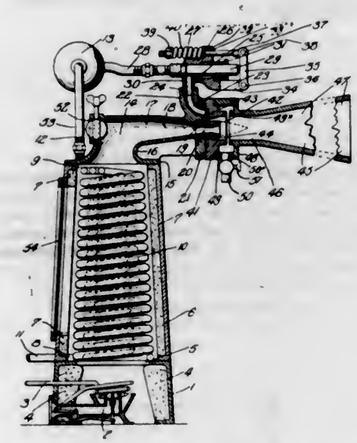


2. The combination with a loom shuttle threading block comprising a body having an anchoring stud upon its under side and provided with a slot for the passage of the filling, of tensioning means for the filling comprising a supporting member having an attaching portion removably fitted to the said stud and having also a tongue portion extending from the attaching portion beside one end of the body and overturned to provide a coacting lip, and a friction element comprising a piece of friction material anchored at one end between the lip and tongue and extending over the junction of the two and engaging at its other end between the said tongue and the said end of the body of the threading block.

1,502,964. FLUID-POWER GENERATOR. WILLIAM JOHN RODGERSON, Toronto, Ontario, Canada. Filed Mar. 23, 1922. Serial No. 546,054. 1 Claim. (Cl. 60—45.)

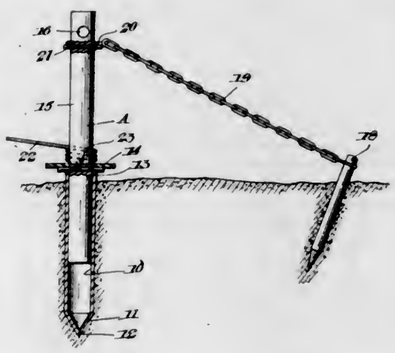
In a power generator, a furnace having a discharge outlet for the products of combustion, a steam boiler coacting therewith, a steam receiver for receiving the steam from the boiler, a nozzled chimney through which

the products of combustion pass, a steam duct leading from the steam receiver to discharge in proximity to the nozzle, an annular member surrounding the nozzle having its interior periphery contracted towards its inner end and having an annular recess formed in its



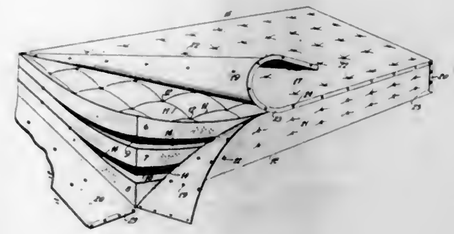
inner face to receive the steam from the steam duct, means for raising the steam pressure within the receiver to a predetermined point, and means for automatically discharging the steam through the steam duct when such predetermined pressure is reached.

1,502,965. STAKE WINDLASS. LESTER JOHN SEYLER, Port Arthur, Ontario, Canada. Filed Aug. 29, 1923. Serial No. 660,015. 1 Claim. (Cl. 254—150.)



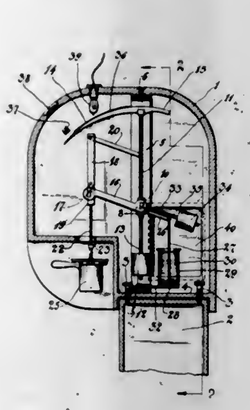
A device of the character described comprising a hollow anchoring stake pointed at one end and open at the other and adapted to be sunk in the ground, a flat top for the open end adapted to engage with a washer, a solid post adapted to fit into and rotate in said stake to form a detachable winding drum, means in the solid post for securing a cable thereto, a ring member loosely mounted on the solid post, a stop member carried by the post to limit the downward travel of said ring, and a retaining chain connecting the ring with a retaining post, an orifice in the solid post adjacent the top between the top and said ring, and a handle adapted to fit into said orifice whereby the solid post is rotated to wind theron a cable.

1,502,966. MATTRESS. HARRY SCHIMMEL, New York, N. Y. Filed June 18, 1923. Serial No. 645,977. 8 Claims. (Cl. 5—359.)



1. A mattress, comprising a pad, means for securing the material of the pad in the desired form, a tick or cover enclosing the pad, and means for securing the tick to the pad securing means.

1,502,967. ICE-CREAM-OVERRUN TESTER. HUGO HENRY SOMMER, Madison, Wis. Filed Nov. 12, 1921. Serial No. 514,705. 4 Claims. (Cl. 265—36.)

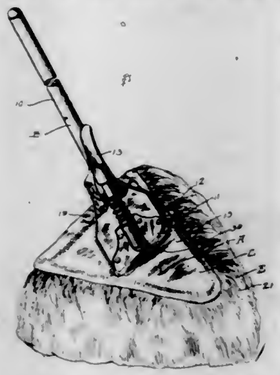


1. A device of the character described comprising a cup for holding ice cream, a pivotally mounted lever for supporting said cup, a weight for counter-balancing said cup and lever, a scale associated with said lever bearing legends designating percentages of overrun from zero to infinity per cent in ice cream, and gravity operated means for resisting the movement of said scale by an amount proportional to the displacement of said cup of ice cream, said weight and said gravity operated means adapted for adjustment to various sizes and weights of cups and various specific gravities of said compound.

1,502,968. POLISH MOP. HENRY T. TUCKER, Fort Smith, Ark. Filed May 8, 1922. Serial No. 559,385. 5 Claims. (Cl. 15—229.)

1. In a mop, a head including a fabric body, a form plate in said body, a flexible handle engaging strip hav-

ing one end connected to one face of the body intermediate the length of the body and at the other end movable



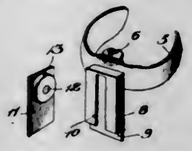
independent of the body, and swab strands carried by the body and arranged to extend from the opposite face of the body.

1,502,969. ANNEALING AND APPARATUS USED THEREIN. FRANK TWYMAN, London, England, assignor to Adam Hilger, Limited, London, England. Filed Dec. 13, 1921. Serial No. 522,038. 9 Claims. (Cl. 73—51.)



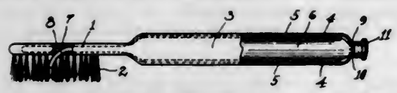
1. The method of ascertaining the time of relaxation of a substance by subjecting a piece of the same substance as that to be annealed to heat, maintaining the piece under conditions such that it is deformed a determined amount and applying stress tending to increase the deformation.

1,502,970. ARTIFICIAL DENTURE. AUGUSTUS S. VAN HOUTEN, Newark, N. J. Filed Aug. 4, 1923. Serial No. 655,702. 2 Claims. (Cl. 32—12.)



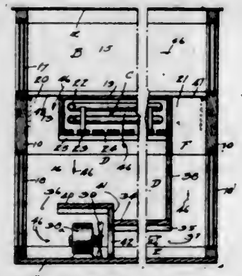
1. An attachment for artificial dentures comprising a hollow part attached to means removably connected with a natural tooth, said part having a slot in the side thereof and a second part attached to a denture body, said part comprising a plate having a circular member attached thereto and separated therefrom, whereby a slidable and pivotal connection is formed between said parts.

1,502,971. TOOTHBRUSH. ABRAHAM WALLACE, Oakland, Calif. Filed Feb. 16, 1922, Serial No. 536,916. Renewed Dec. 27, 1923. 1 Claim. (Cl. 15—136.)



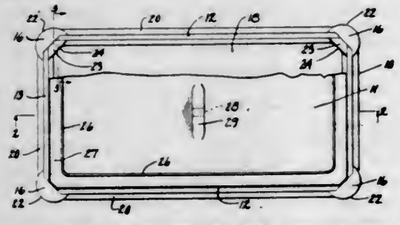
In a fountain brush, a hollow handle, a hollow head formed by an extension of said handle, bristles projecting laterally from said head, said head being formed with an opening located substantially centrally of said bristles, an elastic fountain tube in said handle for containing tooth paste, means on one end of said tube projecting through said opening for guiding tooth paste to the bristles, said handle being provided with elongated slots on opposite sides thereof, a plate on each side of said tube between the handle and the tube, each plate covering one of said slots, an internally and externally screw threaded nipple on the rear end of said fountain tube extending through the rear end of said handle, and a cap detachably secured to the nipple.

1,502,972. COMBINED COOLER DISPLAY CASE AND REFRIGERATOR. GEORGE C. AMEND, Des Moines, Iowa. Filed May 28, 1923. Serial No. 641,897. 6 Claims. (Cl. 62—37.)



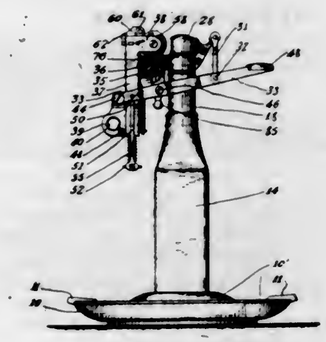
5. A refrigerator show casing having four compartments therein arranged one above another, the two intermediate compartments terminating short of the ends of the show case so as to form a pair of vertical passageways, doors in said case for gaining access into said compartments, said passage ways connecting the upper and lower compartments together, a refrigerating apparatus in one of said compartments, a fan element in the lower compartment for drawing cold air from the refrigerating apparatus through the intermediate compartments and forcing it through the lower compartment, thence upwardly through one of the passageways and into the upper compartment and thence through the other of the pair of passageways whereby the cold air will travel in a complete circuit.

1,502,973. CARBURIZING BOX AND THE LIKE AND PROCESS OF MAKING SAME. PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New Jersey. Filed Dec. 2, 1921. Serial No. 519,495. 15 Claims. (Cl. 263—49.)



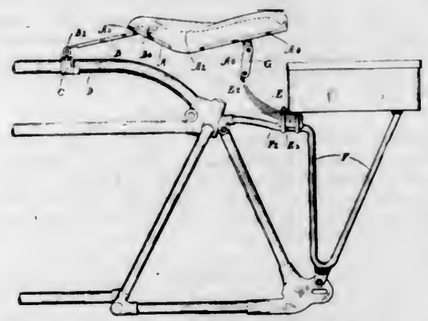
1. A metal box for use at high temperatures made up of plates joined together by castings, said castings extending on both sides of the plates.

1,502,974. CIGAR CLIPPER AND LIGHTER. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 12, 1921. Serial No. 444,442. 3 Claims. (Cl. 131—64.)



3. An apparatus of the class described comprising in combination a heavy circular base, a hollow standard acting as a reservoir rising therefrom, a burner tube carried by said standard, a wick therein, a cap for said tube over said wick, a frame supported on said burner tube, a lever pivoted on said frame, operative connections between said cap and said lever, sparking means adapted to ignite said wick, said sparking means being operated by said lever, means for rendering said sparking means inoperative, means for clipping a cigar by the actuation of said lever, said cigar clipping means comprising a pair of spaced plates containing an aperture for the cigar, a shear plate pivoted to said lever movable between said plate, and means permitting said shear plate to swing outwardly upon its pivot upon depression of the lever and return to normal position upon release.

1,502,975. SADDLE. STEPHEN LESLIE BAILEY, Bristol, England. Filed Sept. 19, 1922. Serial No. 589,055. 3 Claims. (Cl. 208—100.)



1. A saddle for a vehicle comprising in combination with the vehicle frame, a seat, a pan supporting the same, a leaf spring adjustably secured at its one end to the front part of the said pan and at its other end pivotally connected with the said vehicle frame, a laminated spring arm detachably secured to the said vehicle frame and adapted to resiliently support with its free end the rear end of the said pan, and a means for permitting relative movement between the free end of the said spring arm and the said pan.

1,502,976. TROUGHING SUPPORT FOR CONVEYER BELTS. CLARENCE KEMBLE BALDWIN, Chicago, Ill., and MARIUS JULIUS POS, New York, N. Y., assignors to Robins Conveying Belt Company, a Corporation of New Jersey. Filed Feb. 15, 1922. Serial No. 536,686. 11 Claims. (Cl. 198—192.)

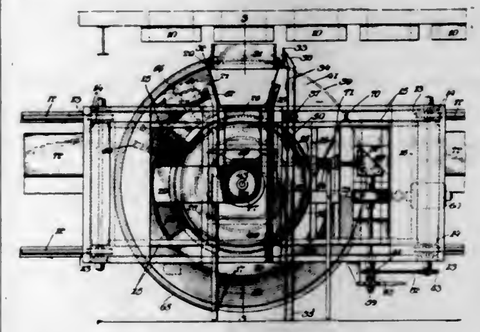


1. In a support for a conveyer belt, a base, a longitudinal alinement bar, a pair of spaced-apart brackets mounted on the base and slidably fitted to the bar, means whereby the brackets are secured to the base to permit of their lateral adjustment, standards on said brackets, and idler pulleys mounted to rotate between the standards.

7. In a conveyer-belt support having standards provided with apertured and threaded head portions, a shaft having threaded ends for engagement with said end portions, a pulley on said shaft, and ball-bearings between the shaft and the pulley, said shaft, with the pulley and bearings assembled thereon, being adapted to be mounted in and between the standards.

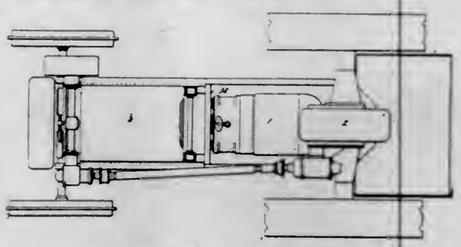
11. In a conveyer-belt support, two hollow idler pulleys each having an end head and a central hub portion, such portion at the open end of each pulley being internally threaded, in combination with a threaded coupling sleeve engaging the threads of the respective hub portions and uniting them in close relation to each other.

1,502,977. APPARATUS FOR QUENCHING COKE. CLARENCE K. BALDWIN, Chicago, Ill., assignor to Robins Conveying Belt Company, a Corporation of New Jersey. Filed Aug. 12, 1922. Serial No. 581,406. 20 Claims. (Cl. 202—11.)



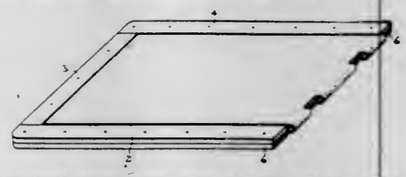
20. In a coke-quenching apparatus, a car structure, a coke-conveying platform rotatably supported on said structure, a coke delivery conduit located at one side of the structure and having at its lower end a lateral outlet overhanging the platform, a hood including a shell extending from the outlet side of the conduit and partially encircling the platform, quenching means arranged within said hood adjacent the outlet side of the conduit, a stack, a pipe connection between the hood and the stack, and means for discharging the coke from the platform in proximity to the opening of the shell.

1,502,978. ENGINE MOUNTING FOR STEAM-PROPELLED VEHICLES. GEORGE ALFRED BRYAN, Peru, Ind., assignor to Bryan Harvester Company, Inc., a Corporation of New Mexico. Filed Feb. 9, 1922. Serial No. 535,167. 6 Claims. (Cl. 180—56.)



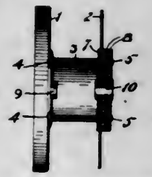
1. In a self propelled vehicle, the combination of a transmission case on the rear axle open at its front end, a unitary engine mechanism including cylinders, crank shaft and connecting rods, two bearings for the crank shaft, tie rods coupling the cylinders and bearings for the crank shaft, a yoke member on the rods removably attached to the front end of the transmission case and supporting the tie rods with the crank shaft within the opening, and means for supporting the front end of the engine.

1,502,979. BOOK COVER. ROBERT J. COPELAND, Toronto, Ontario, Canada. Filed Aug. 22, 1921. Serial No. 494,195. 3 Claims. (Cl. 281—29.)



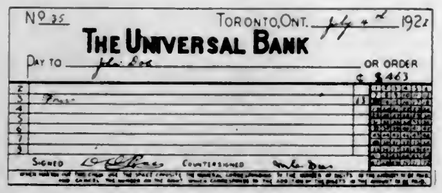
1. A book cover, comprising, a stiff board, a thin strip of reinforcing material covering the outer face of the board at the edge, a strip of a rigid wear-resisting material of lesser width than the aforesaid strip arranged on the outer face of said strip and at the outer edge thereof, said strips and board being rigidly secured together, and a board secured to the aforesaid board and fitting between the outer strips and overlapping the reinforcing strip.

1,502,980. SPOOL CONSTRUCTION. CHARLES H. CUNO, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a Corporation of Connecticut. Filed June 9, 1922. Serial No. 567,050. 3 Claims. (Cl. 173—367.)



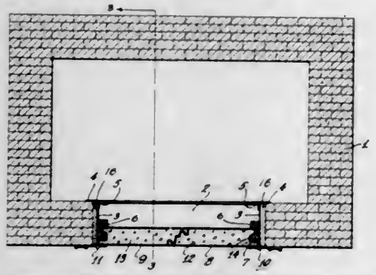
3. A reel or winding drum comprising two oppositely arranged sheet metal discs forming head-pieces, a hollow cylindrical metal hub connecting said head-pieces, with means for insulating said head-pieces from each other, said insulating means being located at one end of said hub and comprising a plurality of washers of insulating material, said hub and one head-piece being interlocked with one of said washers to prevent independent rotation, the adjacent disc being also interlocked with one of said washers to prevent separation of the parts.

1,502,981. SAFETY BANK CHECK. WILLIAM RICHARD DAVIS, Toronto, Ontario, Canada, assignor of one-half to Thomas Tweddle, Toronto, Canada. Filed Mar. 10, 1923. Serial No. 624,152. 3 Claims. (Cl. 283—9.)



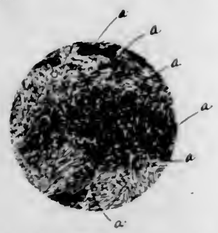
1. A safety bank check having a plurality of spaces for the reception of the written designation of the amount to be paid, such spaces being numbered to indicate the number of figures in the amount to be paid.

1,502,982. VAULT. RALPH H. DICK, Marietta, Ohio, assignor to The Safe-Cabinet Company, Marietta, Ohio, a Corporation of Ohio. Filed July 31, 1923. Serial No. 654,829. 3 Claims. (Cl. 109—2.)



1. In combination with a vault of fireproof construction and having an aperture therein to receive a suitable vestibule and door frame construction, the latter comprising a rectangular frame formed of sheet metal with external and internal flanges and being of a size adapted to enter said aperture in the vault, and means for sealing said vestibule and frame into said aperture in the vault, a door or doors pivotally mounted on said frame and adapted to cooperate therewith, said doors being formed of sheet metal and of hollow construction, a space between the walls thereof filled in with fire resisting material, the frame and doors respectively being provided with interlocking flanges of hollow construction filled with fire resisting material, said flanges cooperating to seal the vault aperture for heat resisting purposes.

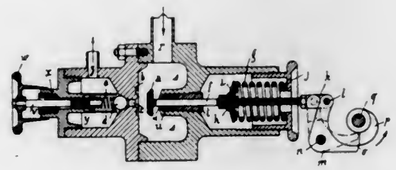
1,502,983. PRODUCTION OF GRAY CAST IRON. PHILIPP AUGUST DIEFENTHÄLER, Heidelberg, Germany, assignor to the Firm Heinrich Lanz, Mannheim, Baden, Germany, a Copartnership. Filed Apr. 2, 1921. Serial No. 458,049. 6 Claims. (Cl. 22—200.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of producing gray cast iron having a uniformly distributed lamellar pearlite structure with moderate veinings of graphite and with little if any free

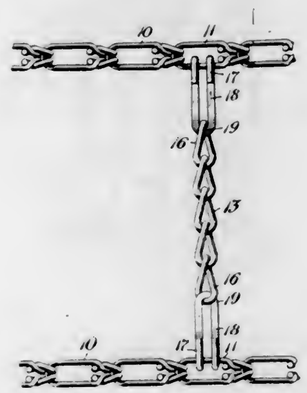
ferrite which consists in making the castings from an iron composition with a low content of carbon and silicon and in heating the mould to a temperature above normal to artificially retard the cooling of the castings therein and permit the pearlite structure to develop.

1,502,984. PERCUSSION PUMP. ROBERT ESNAULT-PELTERIE, Paris, France. Filed Oct. 22, 1923. Serial No. 669,932. 17 Claims. (Cl. 103—154.)



1. A percussion pump comprising a pump body and a striker disposed therein a stationary member having a conduit formed therein, the said striker being adapted to strike against the stationary member, whereby the fluid in the said pump body shall be discharged through the said aperture.

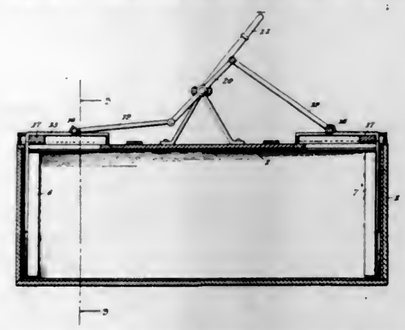
1,502,985. CONNECTER FOR TIRE CHAINS. JOHN H. EVERS, Irvington, N. J. Filed Apr. 11, 1924. Serial No. 705,722. 3 Claims. (Cl. 24—233.)



3. In a tire chain comprising side chains and a tread chain, a connecter comprising a U-shaped shank with hooks at its ends and a U-shaped spring on the shank with its ends under the hooks, the arms of the shank being spaced apart to receive the end link of the tread chain, the connecter being adapted to be snapped into engagement with the side chain and when detached from the side chain being readily detachable from the tread chain by depressing one of the ends of the spring.

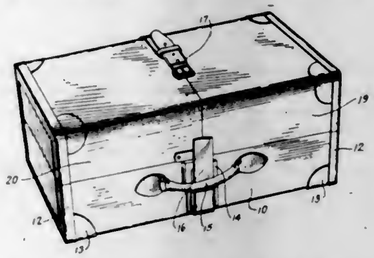
1,502,986. WASHING MACHINE. WALTER GISH and HERBERT L. THOMAS, Palco, Kans. Filed Apr. 17, 1922. Serial No. 553,651. 2 Claims. (Cl. 61—37.)

1. In a washing machine, comprising a tub rectangular in shape, reciprocating plungers positioned in opposite ends of the tub, a rocker arm positioned on top of the tub, means for connecting the opposite ends of the rocker



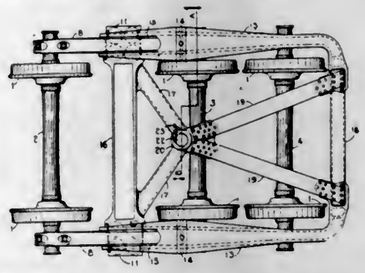
arm to the reciprocating plungers and guide means for the reciprocating plungers positioned on top of the tub at opposite ends of same.

1,502,987. TRAVELING BAG. SAMUEL GLASS and SAMUEL WOHL, Newark, N. J. Filed June 5, 1922. Serial No. 565,892. 2 Claims. (Cl. 190—48.)



1. A traveling bag comprising an elongated rectangular base having raised inner walls, projecting above its outer walls, cover elements hingedly engaged at the ends of said base, said cover elements when closed meeting at approximately the center of the structure, on a line perpendicular to the walls of the bag, the outer walls of said cover elements extending past the inner walls and adapted to make contact with the outer walls of said body, and a single strap so disposed as to cover the joint between said cover elements.

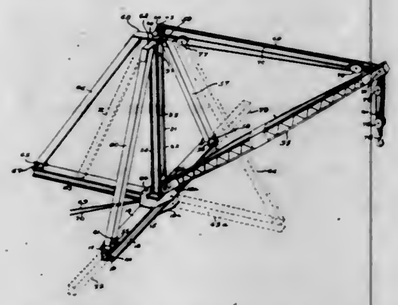
1,502,988. SIX-WHEEL CAR TRUCK. ERNEST G. GOODWIN, New York, N. Y., assignor to John A. Pilcher, Roanoke, Va. Filed June 21, 1921. Serial No. 479,329. 22 Claims. (Cl. 105—195.)



1. In a six-wheel car truck, a pair of side frames disposed without the lines of the truck wheels and resting on the oil boxes of two adjacent axles, a pair of load-receiving equalizing members disposed without the lines

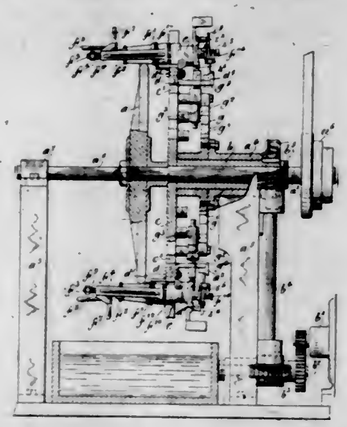
of the truck wheels, one end of said load-receiving equalizing members being supported by said side frames and the other end by the oil boxes of the third axle, all of the superimposed car body loads being transmitted direct to said load receiving equalizing members.

1,502,989. STIFF-LEG DERRICK. AMOS S. HEFFRON, Philadelphia, Pa. Filed June 25, 1921. Serial No. 480,410. 6 Claims. (Cl. 212—58.)



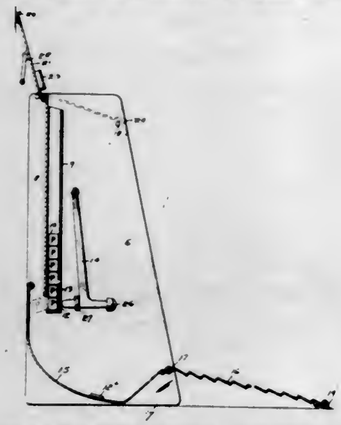
1. A derrick including a transversely extending front sill; a rear sill pivotally connected to the front sill; a mast in pivotal connection with the front sill; a boom pivotally connected to said mast; a stiff leg pivotally connected to said mast and connected to said rear sill and arranged to swing therewith; attaching means for pivoting said rear sill forward of said front sill; and lateral stiff legs pivotally secured with respect to the mast and detachably secured to the front sill at opposite sides of the mast whereby either of said stiff legs can be detached from the front sill and moved into position to permit the boom to swing to the rear of the front sill, and the rear sill to be swung and mounted forward of the front sill; substantially as described.

1,502,990. GLASS-CUTTING MACHINE. EDWARD J. KIEFER, New York, N. Y. Filed Feb. 1, 1923. Serial No. 616,268. 19 Claims. (Cl. 51—107.)



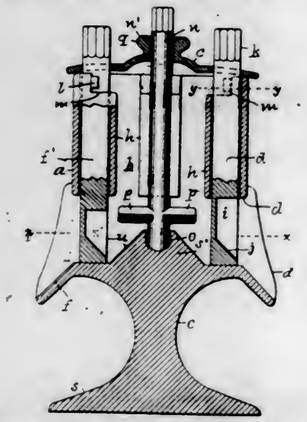
1. In a machine of the character described, the combination of a grinder, a rotatable carrier concentric with the grinder, a holder for the article to be treated mounted movably on the carrier, means for moving the holder so as to move the article to be treated into and out of contact with the grinder, and means to rotate the holder, step by step, on its axis when the article to be treated is out of contact with the grinder.

1,502,991. CHILD'S EDUCATIONAL APPLIANCE. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr. Filed Dec. 26, 1923. Serial No. 682,733. 4 Claims. (Cl. 35—9.)



1. A child's education appliance comprising a bank of magazines adapted to receive letter bearing blocks and open laterally at their lower ends and a common ejecting mechanism for all of said magazines shiftable to operative position with respect to each of them.

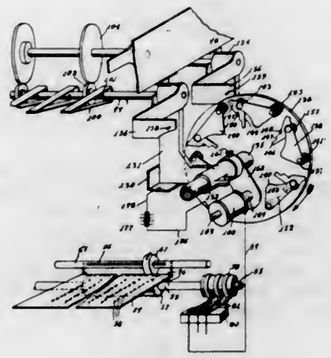
1,502,992. SANITARY DISPENSING MEASURE. CLIVE W. LANPHERE, Brooklyn, N. Y. Filed July 1, 1922. Serial No. 572,120. 13 Claims. (Cl. 221—106.)



1. A dispenser for granular materials comprising a magazine having a top and a bottom, a cylindrical socket disposed between the top and bottom and at one side of said magazine, said socket having inlet and outlet openings, a measuring spindle within said socket and having a measuring pocket cooperating with said openings, upon rotation of said spindle, to receive and deliver granular material, and means for limiting the rotation of said spindle.

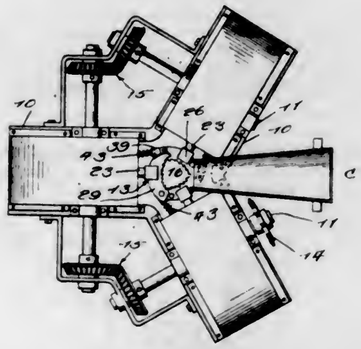
1,502,993. ROTARY SWITCH ELECTRICAL TIMED SORTER. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1919. Serial No. 346,121. 20 Claims. (Cl. 83—92.)

1. In combination, a rotary card analyzing member comprising insulated contact members adapted to register with the index point locations of a card; a pressure member adapted to press against and contact said contact members; sorting stations adapted to receive cards from said members; an electrically operated means electrically



connected with the contact member corresponding to the perforation of the card destined for such compartment, for causing the cards to enter the stations.

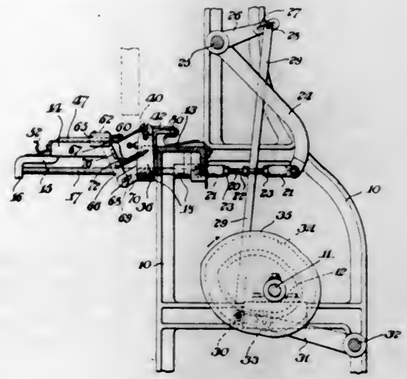
1,502,994. CORN-HUSKING APPARATUS. FRANK LEE, Clearwater, Nebr. Filed June 27, 1923. Serial No. 648,027. 28 Claims. (Cl. 130—5.)



1. In corn husking apparatus, gripping means adapted to grip the husks of an ear of corn introduced therebetween at points spaced about the periphery thereof, and means for moving said gripping means in divergent relation from the point of engagement with the husks to thereby strip the husks from the ear and eject the ear, said gripping means including pairs of jaws operated by the engagement thereof with an ear of corn to grip the husks of the corn therebetween and to thereby draw the husks from the ear and strip the ear during such divergent movement.

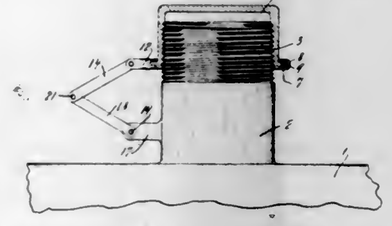
1,502,995. CIGAR-BUNCHING MACHINE. BERNARD LIBERMAN, LEON LIBERMAN, and WILLIAM M. REICHART, Philadelphia, Pa.; said Leon Liberman and said Reichart assignors to said Bernard Liberman. Filed Aug. 2, 1919. Serial No. 315,000. 5 Claims. (Cl. 131—42.)

5. In a cigar bunching machine, in combination with the usual bunch rolling table, apron, cooperating roller and reciprocating roller support, a brush for cooperating with the apron, brush-supporting arms having pin and upwardly inclined slot connection with the reciprocating support and spring controlled, a stop on the stationary table and an adjustable stop on the reciprocating support



for engaging a brush supporting arm, one stop effective in certain positions of the reciprocating support and the other stop effective in other positions of said support.

1,502,996. HINGED CAP. MARTIN B. LOETSCHER, Hollywood, Calif. Filed Dec. 4, 1922. Serial No. 604,951. 5 Claims. (Cl. 220—32.)



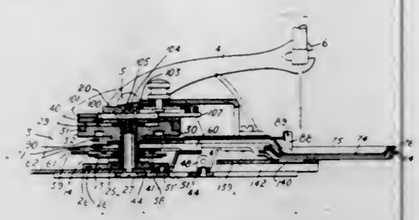
1. Fastening means for a cap engaging a port member in an axial direction, comprising a ring loosely fitting on the cap, a tongue and groove engagement between the cap and the ring, and flexible means for securing the ring to the port member, comprising links pivotally engaging the cap and the port member, and a pivotal engagement between the links.

1,502,997. AERIAL TRANSPORTER. HARRY HERBERT BLAKEMORE MARRIAN and ERNEST EDWARD CARVER, Vancouver, British Columbia, Canada. Filed Dec. 23, 1922. Serial No. 608,783. 9 Claims. (Cl. 212—24.)



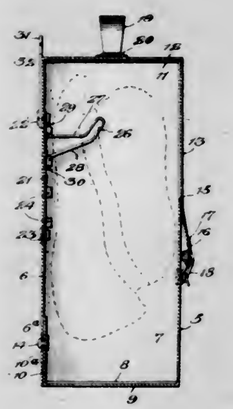
1. The combination with a series of corner supports of cable means extending between the corner supports, a transversely arranged strut carried by said cables, said cable means having load carrying portions thereof extending horizontally between opposite ends of the strut.

1,502,998. ATTACHMENT FOR SEWING MACHINES. ALBERTUS B. MATTINGLY, New York, N. Y. Filed Dec. 20, 1919. Serial No. 346,235. 11 Claims. (Cl. 112—77.)



1. In apparatus of the character stated, the combination of a base plate having stud projection receiving holes therein, a tubular stud having projections for engaging said holes, to prevent rotary movement of the stud, said stud having a head provided with laterally disposed springs, a lower cam having a slotted hub rotatably mounted upon said stud, an upper cam having a recessed top and a depending sleeve provided with ears rotatably mounted upon said stud, the ears of said sleeve engaging with the slots of said hub and the springs of said head engaging the walls of said recessed portion and means passing through said base plate, stud and head for locking said cams in rotative relation.

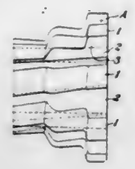
1,502,999. HATBOX. PEARL E. MILLER, Nescopeck, Pa. Filed Mar. 9, 1923. Serial No. 623,979. 2 Claims. (Cl. 206—8.)



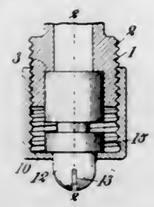
1. A hat box comprising a collapsible body adapted to be opened from its flat condition to form a cubical receptacle, a metal stay fixed to the inside rear wall of the receptacle, a hat supporting hook connected to said stay, a hanger on the outside of said wall and also secured to said stay through the back wall of the receptacle.

1,503,000. MILLING CUTTER. FRIEDERICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 24, 1921. Serial No. 524,586. 9 Claims. (Cl. 29—103.)

1. A milling cutter for cutting a predetermined contour other than a straight line, comprising a plurality of generally longitudinal but inclined teeth each having a cutting face provided with a contour different from the predetermined contour but adapted to cut the predetermined contour as the cutter is rotated, the outer surface of each tooth behind the front cutting face being relieved along lines extending backward, inward, and to the right or left from the front cutting edge.

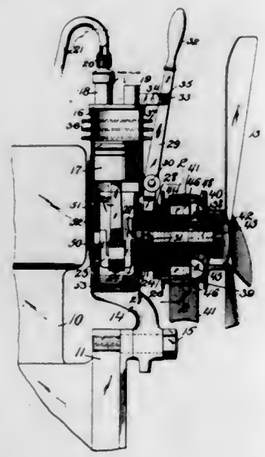


1,503,001. NOZZLE TIP. JOHN D. MURRAY, San Francisco, Calif. Filed Nov. 19, 1923. Serial No. 675,511. 6 Claims. (Cl. 91—45.)



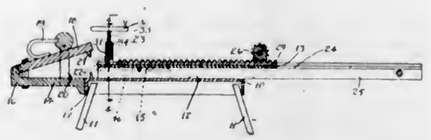
1. A discharge nozzle comprising a body provided with cylindrical axially aligned inlet and discharge bores having parallel walls, the discharge bore being of greater diameter than the inlet bore, and a spherical member loosely held within said discharge bore at a point inwardly from the discharge end of the discharge bore for breaking up the stream flow passing therethrough.

1,503,002. PUMP FOR INTERNAL-COMBUSTION ENGINES. STEPHEN NAGY, Irvington, N. J., assignor of one-half to Nikolas Viehmann, Newark, N. J. Filed Apr. 11, 1923. Serial No. 631,470. 4 Claims. (Cl. 230—27.)



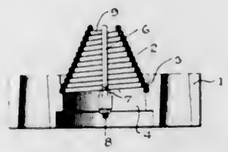
1. A pump having its casing provided with a bearing for supporting a fan shaft, a fan pulley, a clutch for engaging the pulley with the shaft, all of said associated parts being supported by the pump casing.

1,503,003. DEVICE FOR REMOVING RIND FROM BACON. ALFRED J. NEHRING, Cincinnati, Ohio, assignor to The H. H. Meyer Packing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 15, 1924. Serial No. 706,780. 4 Claims. (Cl. 146—130.)



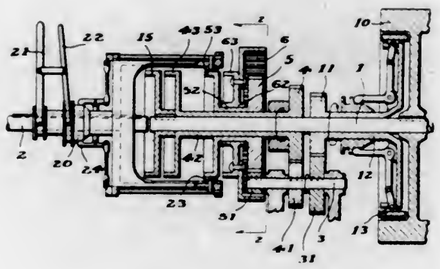
1. A device of the class described comprising a pair of relatively movable tables, an independent means on each of the tables for fixedly securing different parts of a separable objects, and means for moving the tables relatively to one another for separating the different parts of the object.

1,503,004. VAPORIZER. JOHN J. PARKER, Paterson, N. J. Filed Apr. 8, 1922. Serial No. 550,583. 2 Claims. (Cl. 48—180.)



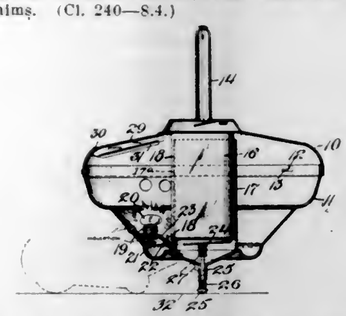
1. In a device of the kind described, a base, a spiral spring wound in the form of a truncated cone, the base of which cone is supported by the aforementioned base, the end of the spring remote from its base being extended axially through the cone and adjustably attached to the base.

1,503,005. VARIABLE-SPEED TRANSMISSION MECHANISM. ORSON M. POPE, Seattle, Wash. Filed Mar. 14, 1923. Serial No. 625,104. 5 Claims. (Cl. 74—59.)



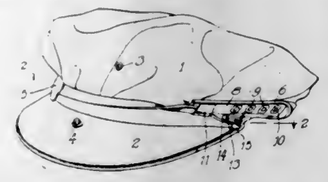
1. In combination with a driving shaft and a driven shaft, power transmission mechanism connecting said shafts including a reverse gear and a forward gear adjacent thereto, a driving pinion in mesh with each of said gears, concentric sleeves surrounding said driving shaft and operatively connected each with one of said gears, and selective means for connecting either said forward or said reverse gear sleeve to the driven shaft.

1,503,006. ILLUMINATED TOP. PAUL J. RAUSE, South Orange, N. J. Filed Nov. 21, 1923. Serial No. 675,980. 6 Claims. (Cl. 240—8.4.)



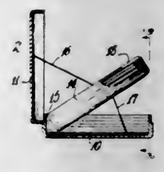
2. A top having an illuminating device therein operated by an electric circuit said circuit including a make and break device operated to complete the circuit when the weight of the top rests on the peg.

1,503,007. ADJUSTABLE CAP. JULIUS ROSENZWEIG, New York, N. Y. Filed Nov. 26, 1923. Serial No. 677,053. 1 Claim. (Cl. 2—197.)



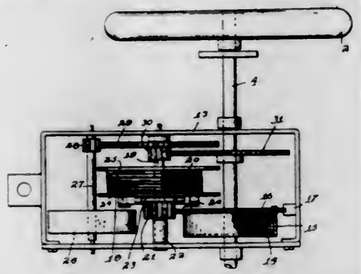
A cap having a crown, a visor and separated skirt portions independent of the sweat band, reinforcing members secured to the skirt portions and having a series of holes, loops on the underside of said skirt portions, a strap guided at it ends in said loops with its ends fastened to opposite edges of the visor, and pivoted hooks on the ends of said strap and engageable in the holes of said reinforcing members.

1,503,008. CIGARETTE AND MATCH BOX. ANTONINA RYBICKY, New London, Conn. Filed Oct. 26, 1922. Serial No. 597,023. 1 Claim. (Cl. 206—48.)



A package of cigarettes and matches including a main box, a cover hinged thereto, a relatively small match receptacle extending along one wall of the box, thereby leaving a cigarette compartment to one side thereof, said match receptacle being hinged at one end to the side of the box to which the cover is hinged and having its opposite end in close proximity to te opposite side of the box and open for the removal of matches, the top wall of said receptacle at its open end being formed with a finger notch, and a pair of tapes connected at one end to the top and bottom faces respectively of said match receptacle and at opposite ends respectively to the cover and the bottom of the box, whereby upon raising the lid, the matches are raised to an accessible position, while the cigarettes remain undisturbed in their compartment.

1,503,009. TOY VEHICLE. EDWARD S. SAVAGE, Rochester, N. Y. Filed May 21, 1921. Serial No. 471,402. 7 Claims. (Cl. 208—38.)



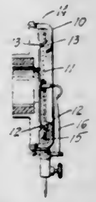
1. A wheeled toy vehicle comprising a steering mechanism, a propelling mechanism, and a cable connected with the propelling mechanism for effecting the propelling of the vehicle through a longitudinal movement of the cable and connected with the steering mechanism between its ends to cause the latter to shift when the cable is moved laterally from a point beyond the connection with the steering mechanism.

1,503,010. INDICATING SIGNAL FOR VEHICLES. ARTHUR C. SCHROEDER, Syracuse, N. Y. Filed Dec. 28, 1920. Serial No. 433,574. 1 Claim. (Cl. 177—329.)



An indicating signal for vehicles including a casing having longitudinal and transverse partitions dividing the casing into end chambers and front and rear middle chambers, the transverse partition having a light transmitting "stop" symbol, a front plate having light transmitting "right" and "left" direction symbols in front of the end chambers, and a light transmitting "warning" symbol in front of the front middle chamber in alinement with the "stop" symbol and arranged to coact with either of the direction symbols, and means for illuminating a symbol or symbols.

1,503,011. BALANCED DIAPHRAGM FOR SOUND TRANSMITTERS. DAVID A. SEALEY, New York, N. Y. Filed July 8, 1922. Serial No. 573,613. 2 Claims. (Cl. 181—31.)



1. In a sound transmitting apparatus, a diaphragm, clamping means for the diaphragm rigidly engaging the opposite faces of the diaphragm inward of its periphery and disposed concentric to the center of the diaphragm whereby the perimeter of the diaphragm may flex, means located adjacent the center of the diaphragm whereby force may be applied thereto to vibrate it, and means engaging the diaphragm adjacent its perimeter for approximately counter-balancing said force.

1,503,012. AUTOMOBILE WHEEL CHAIN MECHANISM. ANGELO SERAFINI, Erie, Pa. Filed Jan. 17, 1924. Serial No. 686,753. 3 Claims. (Cl. 152—14.)



2. In an automobile wheel chain mechanism, the combination of a spoke attaching means comprising side plates, one of the ends of the plates having a hook; a chain secured to the similar end of the other plate and arranged on the hook, the opposite ends of the plates having a chain loop securing means comprising a hook on one plate and a ring on the other plate; and a chain having a link arranged over the hook with the opposite end of the chain extending through the ring over the hook.

1,503,013. PROCESS OF MAKING SODIUM SULPHIDE. EARL BURNARD ALVORD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1922. Serial No. 561,020. 3 Claims. (Cl. 23—13.)

1. Process of purifying solutions of sodium sulphide containing sodium sulfate which comprises treating such solutions with lime and hydrogen sulphide in quantity sufficient to convert the sodium sulfate to sodium sulphide.

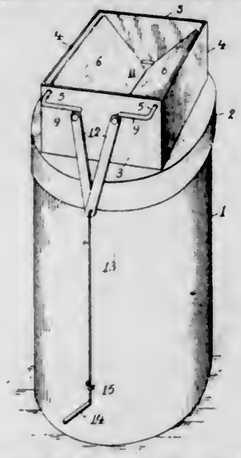
1,503,014. BACK FOR BRUSHES. HANSEL S. BAIRD, Denver, Colo. Filed May 31, 1922. Serial No. 564,779. 2 Claims. (Cl. 15—176.)



1. The combination with a brush comprising a handle and looped bristle-supporting member having its ends secured in one end of the handle, bristles radiating from said member, of a back on one side of the brush, means securing the back to the brush comprising hooks projecting from either end of the back, one of said hooks engaging the bristle-supporting member at the loop thereof and the other hook extending partially around the body of the handle.

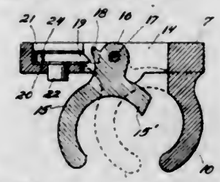
1,503,015. RECEPTACLE COVER. SIDNEY G. BARNSTEAD, Cambridge, Mass. Filed Feb. 1, 1923. Serial No. 616,273. 2 Claims. (Cl. 220—36.)

1. A receptacle cover comprising a member for the open top of the receptacle having a rectangular opening through it, four walls rising from the edges of said opening, two trap doors hinged close to opposite walls, resilient means connected with said doors to urge their free edges together, the width of said doors being in



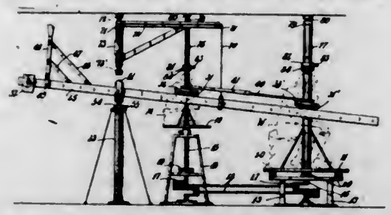
excess of the distance between their hinges to render them angularly disposed relative to each other, and means operated by the foot for separating said edges.

1,503,016. BOTTLE HOLDER. GEORGE A. BARTON, Kansas City, Mo. Filed Apr. 9, 1923. Serial No. 630,828. 1 Claim. (Cl. 232—41.)



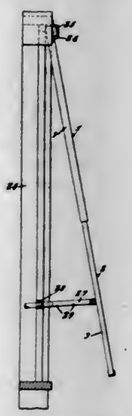
A bottle holding device comprising a main plate portion, a curved retaining finger rigid with said main portion and projecting outwardly therefrom, a curved movable bottle maintaining finger pivoted intermediate its ends to said main plate portion and provided with a lock shoulder adjacent its pivotal point, one end portion of said movable finger being adapted for receiving engagement with the neck of a bottle in cooperation with said rigid finger, the other end portion of said movable finger being operated by the insertion of a bottle between said fingers to swing said movable finger into bottle retaining position, and a spring locking device housed within said main body portion and adapted to spring automatically into locking engagement with the shoulder of said movable finger to hold the latter in bottle retaining position.

1,503,017. POINTING MACHINE. ANTON BASKY, New York, N. Y. Filed Nov. 10, 1922. Serial No. 600,175. Renewed June 4, 1924. 5 Claims. (Cl. 33—174.)



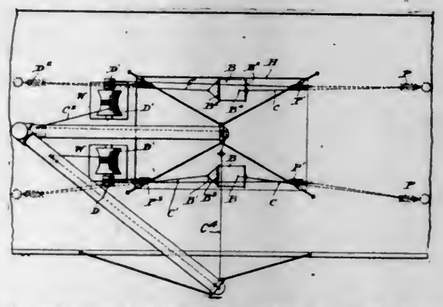
1. A machine of the type set forth comprising a pair of turntables vertical cranked shafts on which said turntables are mounted, connecting rods extending between said shafts whereby the latter may be caused to rotate in unison a work beam, a universal joint mounting for said work beam, a pair of pointers mounted on said work beam, and means for adjusting said pointers in unison along the work beam while maintaining their proportionate distances from the fulcrum point of the latter.

1,503,018. SCREEN AND STORM WINDOW. ARTHUR J. BEECHLER and GEORGE L. MCKAY, Detroit, Mich. Filed Oct. 17, 1921. Serial No. 508,160. 2 Claims. (Cl. 189—76.)



1. A window sash comprising an L-shaped member including a tubular body having flanges, the body being cut at a forty-five degree bevel, and the flanges being cut at right angles to the axis of the body, said member being folded to give it the aforesaid L-shape to bring the edges of the forty-five degree cut together, and to bring into overlapped relation the ends of the flanges formed by said rectangular cut.

1,503,019. UNLOADING APPARATUS. JOHN BOMBARDI, Rosebank, N. Y. Filed Sept. 19, 1922. Serial No. 589,211. 1 Claim. (Cl. 214—12.)



An unloading apparatus for vessels including in combination with the hold having a hatchway, an unloading receptacle having a bail at one end and a door constituting a dumping bottom at the other end, a cable anchoring member on one side of the receptacle, a draw cable attached to the bail, fixed pulleys located in remote portions of the hold and having the draw and drag cables passing thereover, a reversible winch adjacent the hatchway adapted to be alternately connected with the draw and drag cables, and a hoisting cable positioned above the hatchway and adapted to be ttached to the bail of the receptacle when the draw and drag cables have been detached therefrom to life the receptacle out of the hold.

1,503,020. BUCKLE BASE. ARNOLD V. BROWN, Worcester, Mass., assignor to American Narrow Fabric Company, a Corporation of Massachusetts. Filed July 22, 1922. Serial No. 576,783. 1 Claim. (Cl. 24—191.)

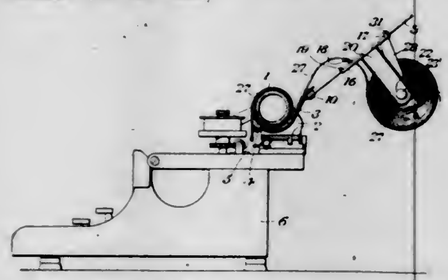
As an article of manufacture, a blank for a buckle base plate comprising a flat plate of sheet metal furnish-

ing a broad surface for receiving and supporting a tape thereon in flat condition, having diverging ends and provided with two opposite flat arms projecting in the same plane, from the edges of said ends, at a distance from each edge of said plate, said arms extending at right angles therefrom and then extending inwardly toward each other to form two pivot ends in alignment with



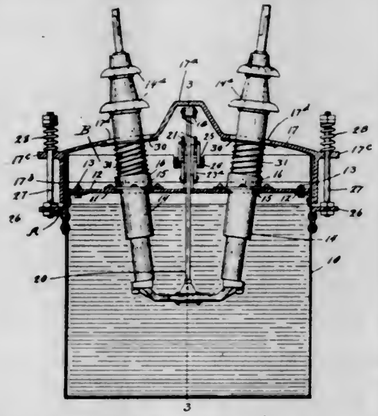
each other at a distance from the point at which the arms are connected with the plate, whereby said arms are located largely in the space left by the shaping of the ends of the plate to diverge from each other, and whereby said arms can be bent away from the plate at any desired angle, leaving their ends in alignment with each other and at a distance from the plate to constitute pivots for a clamping plate.

1,503,021. TYPEWRITING MACHINE. HAROLD MCD. BROWN, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed May 13, 1922. Serial No. 560,758. 19 Claims. (Cl. 197—133.)



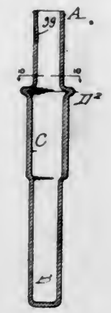
1. The combination with a typewriting machine having a traveling carriage, of a paper roll supporting shaft, end and intermediate shaft-carrying members movable in unison with the carriage, and means whereby said intermediate and end members exert pressure on the shaft transversely of said shaft.

1,503,022. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed June 27, 1921. Serial No. 480,559. 9 Claims. (Cl. 200—150.)



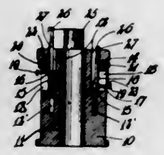
1. An electric switch having a casing, stationary and movable switch members and operating mechanism disposed within and carried by said casing, and a movable cover free from said switch members and operating mechanism yieldingly supported on said casing.

1,503,023. METHOD OF MAKING ARTICLES OF PRESSED METAL. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1922. Serial No. 607,195. 7 Claims. (Cl. 29—148.2.)



1. The method of making a long hollow article of pressed metal having a central portion with reduced ends, which consists in drawing out a blank of sheet metal to a general cylindrical cup-shape having a closed end and an open end, reducing the diameter and the thickness of metal of the open end by a series of steps, reducing the diameter and thickness of the extreme closed end thereof, leaving an intermediate portion between the open and closed ends of the cup, and then further drawing out the extreme ends without materially modifying the thickness of the intermediate portion.

1,503,024. AUTOMATIC HAND KNITTING MACHINE. JULIA CHAPATTE, Tuxedo Park, N. Y. Filed Apr. 15, 1922. Serial No. 553,052. Renewed Dec. 6, 1923. 3 Claims. (Cl. 66—21.)

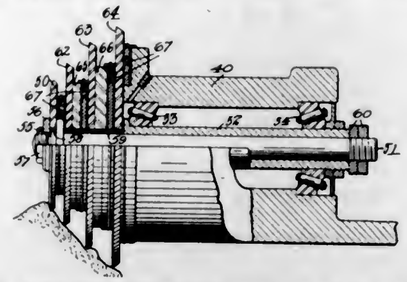


1. A device of the class described comprising a cylindrical body, a series of needles spaced around the axis of said body and projecting from one end thereof and being located in sockets formed in said body, said needles being parallel to the axis of the said body and movable longitudinally of themselves thereon, hooks and latches on said needle, said latches being adapted to be closed on said hooks on inward movement of said needles in said body, pins on said needles projecting radially outward through slots in said body said slots leading from the said sockets, a ring rotatable on said body, a pair of cam projections on said ring adapted to engage said pins to depress said needles, springs coiled around the inner ends of said needles and urging the same outward

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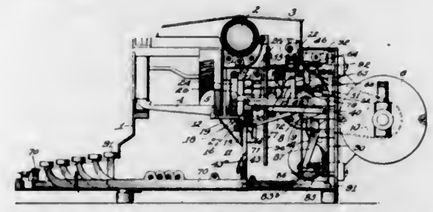
1,503,025. [WITHDRAWN.]

1,503,026. GRANITE-WORKING TOOL. ELROY ALBERT CHASE, Northfield, Vt. Original application filed Feb. 11, 1921, Serial No. 444,221. Divided and this application filed May 29, 1923. Serial No. 642,363. 6 Claims. (Cl. 125—37.)



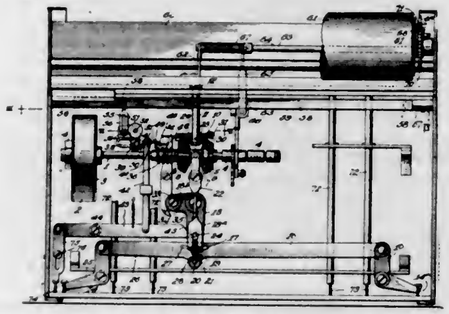
1. A granite working tool comprising a shaft, a supporting bearing in which said shaft is rotatably mounted, a work engaging disc mounted in fixed angular relation on said shaft, and additional discs mounted for free and independent rotation on said shaft.

1,503,027. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1917, Serial No. 188,770. Renewed Dec. 3, 1921. Serial No. 519,804. 30 Claims. (Cl. 197—82.)



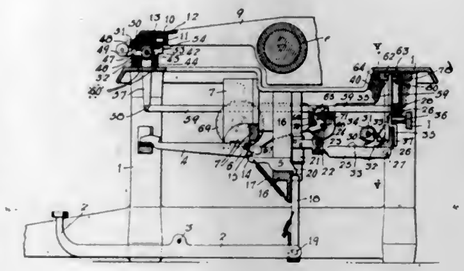
1. In a typewriting machine, a power-driven type-bar actuator, means for moving the carriage letter-spacing from said actuator, means for locking the carriage against movement also operated by said actuator, and independent motor means for restoring the actuator to retracted position and unlocking the carriage-locking device.

1,503,028. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1917, Serial No. 188,772. Renewed Oct. 2, 1922. Serial No. 591,989. 13 Claims. (Cl. 197—82.)



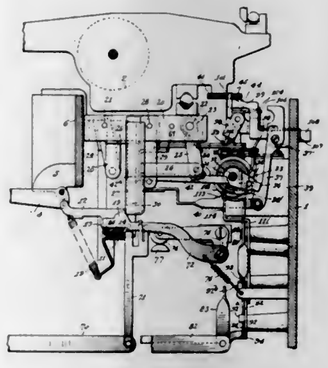
1. In a typewriting machine, a key-controlled power-driven line-spacing mechanism embodying toothed gearing held constantly in mesh, said gearing including a rack-bar actuated by the power, a gear driven thereby, another gear driven by the aforesaid gear, and another rack-bar actuated from this latter gear.

1,503,029. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Apr. 8, 1918, Serial No. 227,259. Renewed Jan. 29, 1924. 15 Claims. (Cl. 197—108.)



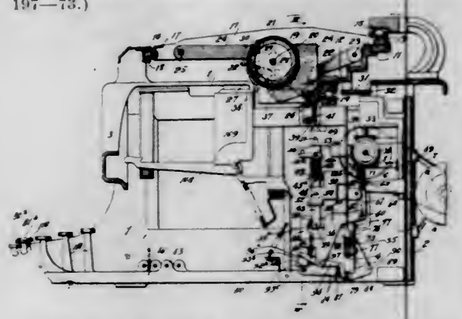
1. In a typewriting machine having a source of power and a universal power-operated type-bar actuating device, the combination of type-bar selecting means, a latch normally locking the type-bar actuating device against movement, means for releasing said latch upon the selection of a type-bar by the type-bar selecting means, a traveling platen carriage, a stop member, and mechanism operable automatically upon movement of the carriage to a predetermined point to shift said stop member into engagement with said latch to prevent release of the latch by said latch-releasing means.

1,503,030. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 25, 1919, Serial No. 284,968. Renewed Jan. 11, 1924. 38 Claims. (Cl. 197—16.)



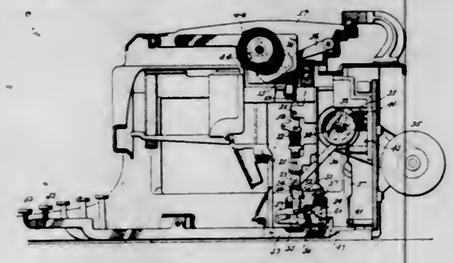
1. In a typewriting machine, a power-driven type-actuator, a carriage-feeding mechanism actuated from said type-actuator and embodying means whereby the direction of feed of the carriage may be controlled at will, said means embodying two reversed positively-acting feed-pawls, each arranged to feed the carriage in a different direction, and a device for throwing one or the other into position for action when the feed is subsequently actuated from the keyboard.

1,503,031. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed June 11, 1919, Serial No. 303,422. Renewed July 31, 1922. Serial No. 578,848. 16 Claims. (Cl. 197—73.)



1. Case shift mechanism for a typewriting machine comprising a main frame, a shift frame, means for shifting said frame, a source of power for actuating said shifting means, means for operatively connecting said shifting means with the source of power, means on the main frame for locking said shift frame in lower case position, independent means on the main frame for locking said shift frame in upper case position, and means operable by a single key for releasing the lower case locking means and actuating said connecting means when the key is depressed and for releasing the upper case locking means when the key is released.

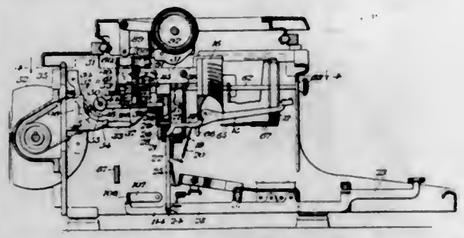
1,503,032. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 11, 1919, Serial No. 316,649. Renewed Jan. 23, 1924. 19 Claims. (Cl. 197—73.)



12. In a case-shift mechanism, a key, a shift frame, a constantly running motor for actuating the shift frame, a clutch for connecting the motor with the shift frame, clutch-shifting means operable by the key, and means operable by power from the motor for disconnecting the clutch-shifting means from the key upon movement of the shift frame by the motor into upper case position independently of the release of manual pressure on the key.

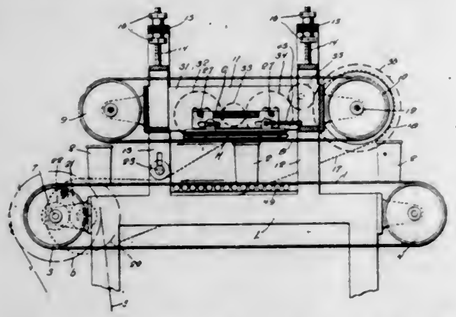
1,503,033. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 30, 1922. Serial No. 609,877. 44 Claims. (Cl. 197—73.)

1. In a typewriting machine the combination of a plurality of type carriers each having upper and lower case characters, an actuator common to all of said type carriers, power mechanism for moving the actuator, means for locking the actuator out of operation, key actuated selecting devices for operatively connecting the actuator with the type carriers, means common to all of the selecting devices and operable thereby for



releasing the power mechanism when a type carrier is operatively connected with the actuator, a case shift mechanism, and means for increasing the power of the actuator when printing the upper case characters.

1,503,034. CAPPING MACHINE. FRANK M. DALRYMPLE, Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company, a Corporation of Ohio. Filed Feb. 4, 1921. Serial No. 442,392. 9 Claims. (Cl. 226—80.)

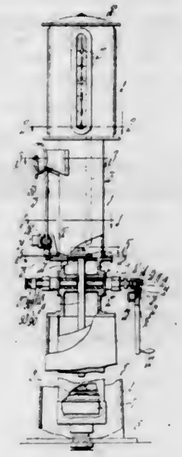


1. A receptacle capping machine comprising a conveyer adapted to transport receptacles at a uniform rate of travel, and a plunger device supported above said conveyer movable toward and away from the conveyer for forcing closure elements on to the passing receptacles, said plunger device comprising a body element movable toward and away from said conveyer and a pressure element slidably connected with the body element to move with the receptacle during the pressure period.

1,503,035. LIQUID-DISPENSING APPARATUS. JOHN B. DAVIS, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1920. Serial No. 401,968. 11 Claims. (Cl. 221—100.)

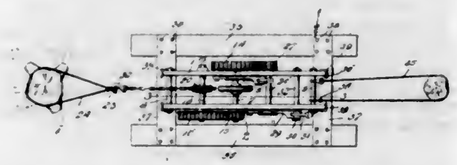
1. In a liquid-measuring apparatus, a reservoir, a passage continuously filled with liquid when the apparatus is in operative condition for supplying liquid to said reservoir, an overflow pipe connected with the interior of said reservoir adapted to withdraw liquid therefrom above a fixed and predetermined level, a discharge pipe, and a multiple port valve having tubes of different heights connected with the several ports, and movable to close off communication between said pipe and reservoir or to bring any one of said ports into registry therewith.

2. In a liquid-measuring apparatus, a reservoir, a passage continuously filled with liquid when the apparatus is in operative condition for supplying liquid to said reservoir, an overflow pipe in said reservoir adapted to maintain the liquid therein at a fixed and predetermined level, a discharge pipe, a multiple ported valve cooperating with said discharge pipe, and means carried by



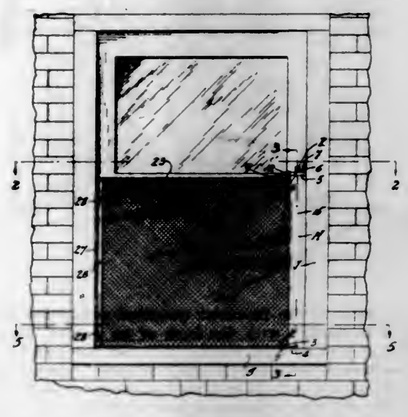
said valve adapted to permit the withdrawal of fixed and measured quantities of liquid from the reservoir upon registry of said ports with said discharge pipe.

1,503,036. STUMP PULLER. ANTON DEPALM, Cambria, Ill. Filed Jan. 22, 1923. Serial No. 614,076. 1 Claim. (Cl. 254—176.)



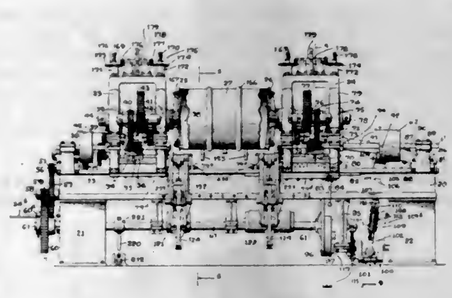
A stump puller comprising a rectangular frame having an open center, a cable connected with one end of the frame and adapted to be passed around the stump, a power shaft journaled at the intermediate portion of the frame and bridging the space between the sides thereof, ratchet and lever mechanism for rotating said shaft in one direction, means for holding the said shaft against rotation in an opposite direction, a second shaft journaled in the frame and bridging the space between the sides thereof, intermeshing gear wheels operatively connecting the power shaft with the second mentioned shaft, a sprocket wheel mounted upon the second mentioned shaft and located between the sides of the frame, a chain arranged to wind upon the sprocket wheel and adapted to be connected with the stump, a third shaft journaled in the frame at the opposite side of the power shaft from that side at which the second mentioned shaft is located, intermeshing gear wheels operatively connecting the third mentioned shaft with the power shaft, a lever and ratchet mechanism for rotating the third mentioned shaft in one direction, means for holding the third mentioned shaft against rotation in an opposite direction, the first mentioned lever and ratchet mechanism being located adjacent one side of the frame and the second mentioned lever and ratchet mechanism being located adjacent the opposite side of the frame and a skid having brackets adapted to receive the frame between them.

1,503,037. WINDOW SCREEN. MATTHIAS A. DIETRICK, Patton, Pa. Filed June 14, 1922. Serial No. 568,286. 2 Claims. (Cl. 156—39.)



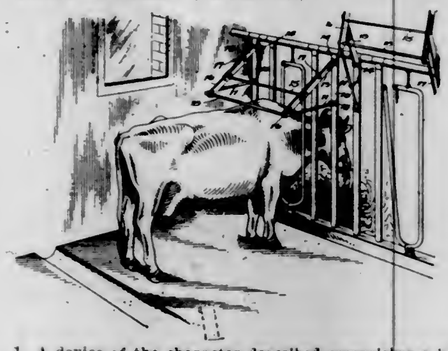
1. A screen structure for windows comprising a casing containing a roller having a screen wound thereon, the casing having a slot through which the screen may be drawn to be extended across the window opening, and means for mounting said casing on the window frame, said means comprising an ear at the upper end of the casing pivotally mounted upon one side of the window frame, a plate secured upon the window sill and formed with an upstanding flange arranged in spaced parallel relation to the adjacent side of the window frame, and an upwardly extending spring tongue on said plate engageable by one side of said casing for maintaining the casing in vertical position against the side of the window frame.

1,503,038. STEEL-BARREL MAKING. CHARLES T. DRAPER, Cleveland, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 13, 1920. Serial No. 409,992. 129 Claims. (Cl. 113—24.)



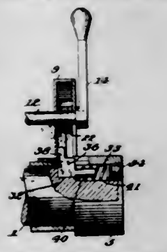
1. In apparatus for making steel barrels and the like, in combination, a rotary member adapted to engage one end of a barrel, a rotary member adapted to engage the opposite end of said barrel, a driving shaft, and a series of members adapted when arranged successively to be operated by said driving shaft to move one of said rotary members toward the other to grip a barrel therebetween, one of said series of members being operatively controlled by said driving shaft and adapted thereby to be placed in operative relation to the remaining members to effect a movement of said rotary member.

1,503,039. CLEAN-COW BAR. EDWIN J. FRANKLIN, Kellogg, Idaho. Filed July 18, 1922. Serial No. 575,910. 3 Claims. (Cl. 119—27.)



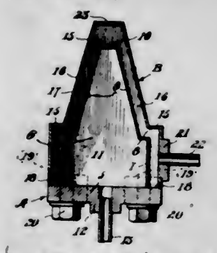
1. A device of the character described comprising a bar adapted to contact with the back of an animal, parallel arms extending at right angles from said bar and having their ends secured to a stall, a pair of spaced parallel arms mounted at one end on said bar and their opposite ends provided with lugs, a second pair of spaced parallel arms having their one end secured to the stall and their opposite ends provided with a series of openings, similar openings intermediate the ends of the first mentioned spaced parallel arms and a rod insertable thru each of said arms as and for the purposes set forth.

1,503,040. SIGNAL-OPERATING MEANS. HARRY L. FURR, Harrisonburg, Va. Filed Apr. 10, 1924. Serial No. 705,460. 6 Claims. (Cl. 116—36.)



1. In a signal operating device for motor vehicles, the combination of means manually controlled for setting a signal, connections, including two movable members, and a device carried by the steering mechanism and arranged to engage one of said members to restore the signal to neutral position when said mechanism is moved in a direction to cause the vehicle to proceed straight ahead.

1,503,041. FUEL-OIL BURNER. JAMES N. GALBRAITH, Mexico, Mexico. Filed July 18, 1923. Serial No. 652,347. 2 Claims. (Cl. 158—75.)



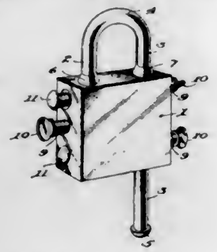
1. In a burner of the type described, a heating chamber, a mixing chamber surrounding said heating chamber, inlets for said chambers, said chambers each having a plurality of walls extending at right angles to its axis, said heating chamber having a discharge in each of said walls, and said mixing chamber having a discharge in one of said walls only.

1,503,042. BURNER. WILLY GÖSMANN, Hannover, Germany. Filed Aug. 17, 1921. Serial No. 493,073. 2 Claims. (Cl. 158—118.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a device of the kind described in combination, a burner tube, a closely wound wire spiral forming a truncated cone and a handle extending in parallel to the axis from the base thereof.

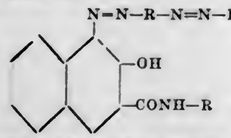
1,503,043. LOCK. BENJAMIN J. GREER, Poynor, Tex. Filed Dec. 14, 1921. Serial No. 522,242. 5 Claims. (Cl. 70—113.)



1. A lock including a body and a slidable shackle, the shackle being provided with a groove, and a locking screw adapted to engage said groove, said locking screw also being provided with a groove, whereby the shackle is released when the groove on the locking screw is aligned with the shackle.

1,503,044. NEW AZODYESTUFFS. JOSEF HALLER, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. Filed Sept. 26, 1922. Serial No. 590,721. 2 Claims. (Cl. 260—84.)

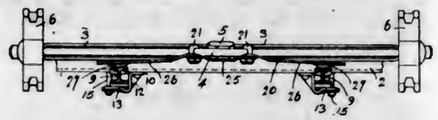
1. As new articles of manufacture the dyestuffs having most probably the formula:



wherein A means an alkylamino group, R_1 an aromatic residue containing a negative group, R an aromatic residue, which dyestuffs, when reduced give an alkylized diamin containing a negative group which may be changed by reduction, a diamin and an arylid of 1-amino-2-oxynaphthoic acid, substantially as described.

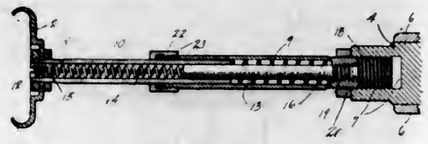
1,503,045. FOUR-POINT FLEXIBLE SUPPORT AND SAFETY DEVICE FOR RAILWAY BRAKES. SOREN HANSSON, Butler, Pa., assignor of one-half to Harry T. Anderson, Butler, Pa. Filed Apr. 26, 1923. Serial No. 634,875. 8 Claims. (Cl. 188—213.)

5. In a car truck, the combination of a trussed brake beam having a compression member and a tension member, two fixed bars extending beneath said brake beam on opposite sides of its center, and a spring member carried



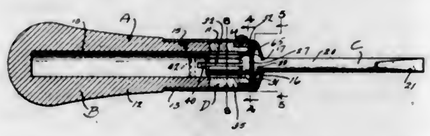
by the tension member of said brake beam and having its ends provided with members resting slidably on said bars.

1,503,046. VEHICLE WHEEL. DAVID R. HELSER, Olympia, Wash. Filed Aug. 31, 1923. Serial No. 660,421. 2 Claims. (Cl. 301—48.)



1. A vehicle wheel comprising a resilient tire supporting rim, a hub ring having threaded sockets therein and a plurality of spokes each of which comprises an inner tubular section that is threaded within a socket of the hub ring, an outer tubular section that is fixed to the rim and is telescopically slidable within the inner section, plungers for the spokes having head portions threaded into the sockets and against which the spoke ends abut with the rods extending within the inner spoke section and slidable into the outer, a plug threaded through the outer end of the outer section, a spring disposed within the outer section to bear against the plug and outer end of the plunger and a spring mounted within the inner section about the plunger and bearing at its end against the inner end of the outer spoke section and against the base end of the inner section.

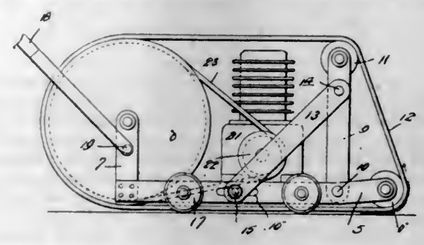
1,503,047. TOOL CONSTRUCTION. ELI HENDRICKSON, Seattle, Wash. Filed Dec. 19, 1923. Serial No. 681,626. 4 Claims. (Cl. 145—75.)



1. A tool of the class described comprising a handle defining a compartment therein, a bit adapted to be inoperably disposed in the compartment, latch means for holding the bit extended from the handle, ratchet means cooperatively supported by the handle and bit to permit intermittent movement of the bit in a selected direction upon oscillative movement of said handle, and common means for moving the latch means to an inoperative position and for controlling operation of said ratchet means.

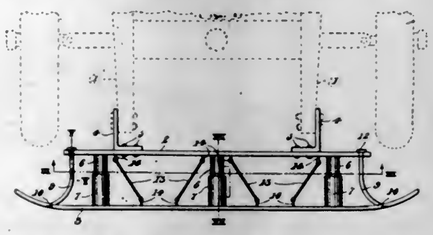
1,503,048. FLOOR-POLISHING MACHINE. BERNARD HUBER, Oakland, Calif. Filed July 16, 1923. Serial No. 651,824. 2 Claims. (Cl. 15—99.)

1. In a floor polishing machine of the class described, a pair of parallel spaced side frame bars, a roller having a shaft with its ends journaled in the forward ends of the side frame bars, upstanding frame members rigid with the rear end of said frame bars, a second relatively large roller having a shaft with the ends of the same journaled in the upper ends of said frame members, a pair of upstanding arms having their lower ends pivoted to the forward portion of the side frame bars directly rearwardly of the first named roller, for movement longitudinally of the machine, a roller having a shaft with its ends journaled in the upper ends of said arms, a motor, a platform upon which said motor is mounted rigidly connecting the intermediate portions of the side frame bars, a



polishing belt passing around the rollers above and below said motor, means operatively connecting the second named roller and the motor for driving said polishing belt, means associated with said pivoted arms and with the side frame bars for adjusting said arms in any desired swung position for maintaining the polishing belt tight, and relative small supporting wheels carried by said side frame bars.

1,503,049. AUTOMOBILE BUMPER. ANTON JEŽEK, Hopkins, Minn. Filed Mar. 27, 1924. Serial No. 702,336. 1 Claim. (Cl. 293—55.)



In a bumper for automobiles, a rear and a forward bumper bar, telescoping tubular members respectively carried by the bars, springs enclosed in the tubular members, means for limiting the separating movement of said bumper bars, said means including flexible cables attached at their opposite ends to the bumper bars, and curved rods anchored at their outer ends to the forward bumper bar and slidably associated with the rear bumper bar.

1,503,050. ROTARY TOOTHBRUSH. AUGUST H. JURK and PAUL SYRACUSE, Buffalo, N. Y. Filed Feb. 1, 1922. Serial No. 533,351. 2 Claims. (Cl. 15—23.)



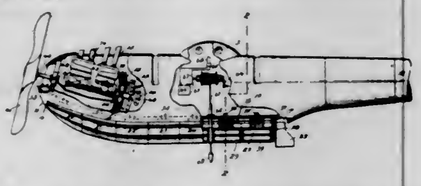
1. A rotary tooth brush having a first brush and a second brush to simultaneously engage the teeth at opposite surfaces thereof, a shaft carrying one of said brushes, a casing tapering inwardly away from the brushes and carrying said shaft, a handle extending from the smaller end of the casing in line with said shaft, and a shaft diverging from the first shaft carrying the other brush and geared to the first shaft in said casing.

1,503,051. SNAP FASTENER. MAX KIESSLING, Waterbury, Conn. Filed Feb. 15, 1923. Serial No. 619,162. 2 Claims. (Cl. 24—208.)



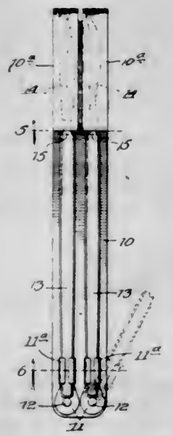
1. A fastener adapted to be attached to an article by a sewing machine, this fastener having a continuous peripheral rim of greater thickness than the main body of the fastener, a plurality of sewing eyes disposed adjacent this rim, and a plurality of centering surfaces formed in diametrical pairs in the rim in predetermined relation to the sewing eyes, the radius of the portions of the rim between adjacent centering surfaces being greater than the diametrical distance between the opposed centering surfaces.

1,503,052. FLYING-BOAT FUSELAGE. HENRY E. KRAMMER, New York, N. Y. Filed July 6, 1918, Serial No. 243,565. Renewed Dec. 27, 1923. 8 Claims. (Cl. 244—2.)



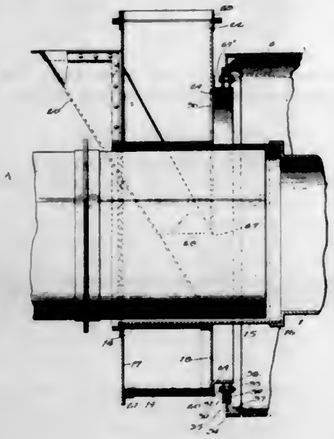
1. A craft having a hull portion provided with a longitudinal base groove, and a keel composed of separate, longitudinally abutting sections, each provided with upper, groove engaging means, characterized by having interlocking relation with the groove to prevent vertical displacement of the keel sections from the hull.

1,503,053. KNIFE AND SHIELD. LOUIS R. KRATZMUELLER, Chicago, Ill. Filed Dec. 17, 1920. Serial No. 431,359. 6 Claims. (Cl. 206—16.)



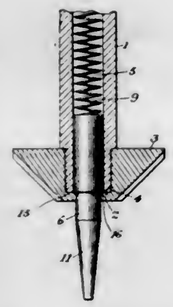
1. In combination, a knife having a rigid handle and blade, and a metal shield detachably secured to the free end of said handle and having a portion bent back over said blade, said portion being bent along a line substantially at right angles to the length of said shield.

1,503,054. ROTARY DRIER. WILLIAM JACOB KUNTZ, York, Pa., assignor to McGann Manufacturing Company, Incorporated, York, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1923. Serial No. 623,273. 6 Claims. (Cl. 34—6.)



1. In a device of the character described, the combination with a rotating shell and a stationary wall positioned adjacent to one end of the shell, of a ring carried by the wall and extending into the rotating shell in spaced concentric relation to the latter, an inwardly extending annular member carried by the shell in spaced concentric relation to the first ring, and imperforate annular members disposed on the first ring and extending at opposite sides of the inwardly extending annular member beyond the inner edge of the latter.

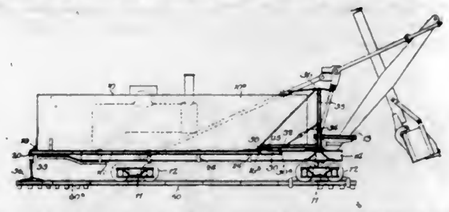
1,503,055. VALVE-SEAT REAMER. JOHN J. MCGUCKIN, Brooklyn, N. Y. Filed Nov. 26, 1921. Serial No. 517,944. 3 Claims. (Cl. 90—12.5.)



1. In a valve-seat reamer, the combination of a shank, a cutter, an adjustable pilot housed within the cutter, and means for yieldably projecting the pilot.

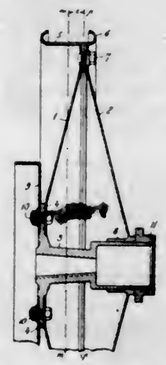
1,503,056. MOBILE POWER MECHANISM. CHARLES B. MAGRATH, Chicago, Ill. Filed Apr. 11, 1923. Serial No. 631,307. 12 Claims. (Cl. 104—4.)

3. In structure of the class described, a rail, a swinging beam, a rail section carried thereby and alinable with said rail, means to lock said rail and rail section in alined position, said means comprising a fin carried by



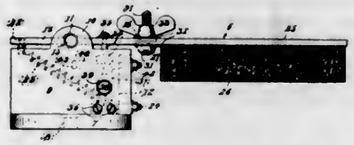
one of said members and a pivoted latch engageable with said fin and carried by the other of said members.

1,503,057. WHEEL. GUILLERMO LUIS MARTIN, La Plata, Argentina. Filed Oct. 22, 1920. Serial No. 418,743. 1 Claim. (Cl. 301—63.)



In a vehicle wheel having a hub, and a body portion fixed upon the hub, the combination of a rim, an inwardly extending annular flange on the rim situated to one side of the median plane of the rim, and means for removably clamping the rim flange to the peripheral face of the wheel body, the relation of the parts being such that the median plane of the rim can be shifted within the limits of the hub.

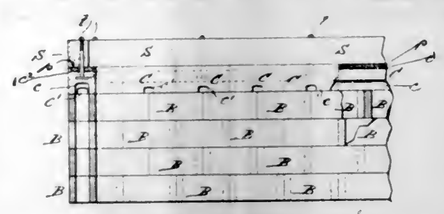
1,503,058. PHONOGRAPH-RECORD-CLEANING BRUSH. JOHN L. MIKOVITS and FRANK PETERSELL, East Pittsburgh, Pa. Filed Nov. 15, 1923. Serial No. 674,854. 2 Claims. (Cl. 274—1.)



1. In a phonograph record cleaning brush of the type described, a support, a brush carrying arm pivotally connected to said support, means for retaining said brush carrying arm in a horizontally extending position, and means for swinging said arm into a vertically extending position when the arm is released by the aforesaid holding means.

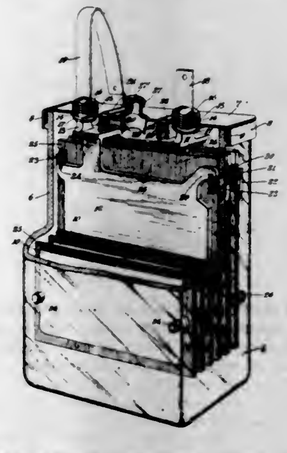
1,503,059. CONCRETE CAP AND SILL BLOCK FOR BUILDING PURPOSES. STEPHEN O. MOROSO, Closter, N. J. Filed Mar. 6, 1924. Serial No. 697,261. 2 Claims. (Cl. 72—86.)

1. A cap block of the character designated, formed on its underside with a longitudinal air space, and with a lateral opening on the inner side of the block communicating with said longitudinal air space, said cap block



being also formed on its upper side with a longitudinal trough for the reception of plastic cement, substantially in the manner and for the purpose set forth.

1,503,060. STORAGE BATTERY. WILLARD B. OSBORNE, Elma, N. Y., assignor to Gould Storage Battery Company, a Corporation of New York. Filed Nov. 22, 1920, Serial No. 425,603. Renewed Feb. 19, 1924. 3 Claims. (Cl. 204—29.)

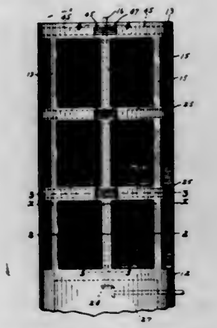


2. A storage battery having in combination a suitable container, an antimony lead cover therefor, a set of positive plates and a set of negative plates supported in the container from said cover, said cover having reinforcing means depending from the bottom side thereof to reduce the sagging of the cover due to the weight of the plates supported thereby, said reinforcing means comprising a plurality of acid resisting members, U-shaped in cross-section, secured to and extending across the underneath side of the cover.

1,503,061. MOTOR. FREDERICK W. PENDERGAST, Cambridge, Mass.; Grace T. Pendergast administratrix of said Frederick W. Pendergast, deceased. Filed May 18, 1923. Serial No. 639,785. 8 Claims. (Cl. 170—14.)

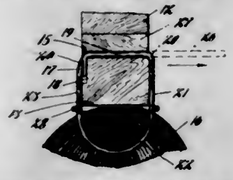
1. In a wind motor, in combination, a fixed tower exposed on all sides to wind, and having a central vertical wheel-receiving space, and a plurality of tapering wind-conducting and concentrating tangential passages extending from the exterior of the tower to the space, a wind wheel located in said receiving space and rotatable on a substantially vertical axis by wind entering the tower at the windward side thereof, the said passages being formed and arranged to direct concentrated wind currents against the wind-wheel blades in directions causing a undirectional rotation of the wheel, vertical shafts in and extending below said passages and provided with-

in the passages with governing shutters extending in opposite radial directions from the shafts, and means for simultaneously turning said shafts and shutters, said means including pulleys fixed to the lower ends of said



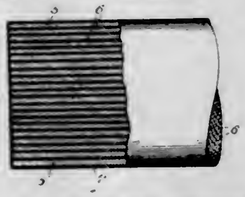
shafts, a cable engaged with and connecting said pulleys, a worm gear fixed to one of said shafts, and a manually rotatable worm meshing with said gear, means being provided to transmit power from the wind wheel.

1,503,062. MOP. FREDERICK W. PENDERGAST, Cambridge, Mass.; Grace T. Pendergast administratrix of said Frederick W. Pendergast, deceased. Filed May 31, 1923. Serial No. 642,497. 6 Claims. (Cl. 15—147.)



1. A mop comprising a handle having a notched inner end and a transverse orifice spaced above said end; a mop body composed of a bunch of mop threads, the central portions of which are laid across the notched end of the handle; and mop-body confining means including a flexible wire rod having a hooked reinforcing head formed from one end of the wire and bearing on one side of the handle, two inner neck portions extending through the orifice, and a loop composed of two side portions extending beside the handle and an outer neck portion connecting the side portions and extending across the notched end of the handle, to confine the threads against said notched end, one of said side portions bearing on said reinforcing head, the looped portion being maintained under tension, and the head reinforcing the handle at one end of said orifice, and supporting the pressure of a portion of said rod.

1,503,063. DENTAL APPLIANCE. GEORGE ELLIOT PERRY, Chicago, Ill. Filed Feb. 26, 1921. Serial No. 448,222. 4 Claims. (Cl. 32—5.)



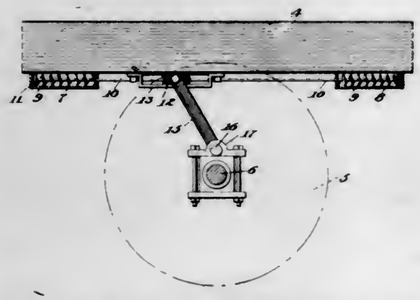
1. An article of manufacture comprising a porous stick with the natural pores thereof filled with a powdered dentifrice, and a sanitary jacket enclosing and hermetically sealing the stick.

1,503,064. TYPEWRITING MACHINE. GEORGE W. RENZ, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 16, 1923. Serial No. 645,720. 17 Claims. (Cl. 197—126.)



1. In a typewriting machine having a platen, in combination with feed-roll mechanism to feed a plurality of superposed packs of work-sheets interleaved with carbons successively or alternately around said platen, a carbon-carrier provided with a plurality of carbon-holding means, each of which in turn is provided with a plurality of carbon-holding blades, said carbon-holding means being mounted one above another and so positioned as to permit some of said work-sheets or packs of work-sheets to remain interleaved with their respective carbons and partially threaded into said machine while one work-sheet or pack of work-sheets is being fed through the machine to be typed upon.

1,503,065. VEHICLE BODY SUSPENSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Mar. 11, 1920. Serial No. 365,037. 2 Claims. (Cl. 267—20.)

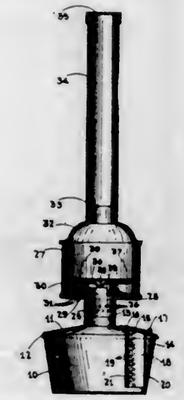


1. In a resilient suspension for vehicle bodies, the combination with a chassis or frame, a wheel support, and a wheel journaled thereon, of oppositely acting springs operable longitudinally of the chassis, a bracket interposed between said springs and beneath the chassis, a member longitudinally reciprocable in said bracket, reach rods connecting said springs with the reciprocable member, and an arm fulcrumed on the wheel support having supporting connection with said reciprocable member, substantially as set forth.

1,503,066. ORCHARD HEATER. FRED ROBERT SHIKORA and THOMAS RUSSELL LEWERS, Kelowna, British Columbia, Canada. Filed June 14, 1922. Serial No. 568,349. 7 Claims. (Cl. 158—91.)

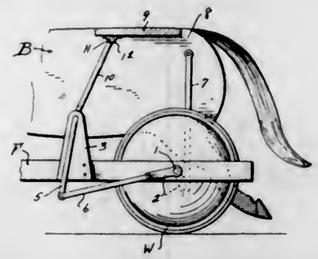
1. A heater comprising a body; a primary combustion chamber mounted on said body; a final combustion chamber mounted on said primary combustion chamber; said body having an air inlet opening; means adjustable over said air opening to control the air draft through said body and through the primary and final combustion chambers; said primary and final combustion chambers having air openings provided therein; a vertical perforated grate plate within said body and suspended therein with its bottom above the bottom of said body for causing capillary attraction of the liquid fuel contents

of the body toward the air inlet opening of said body for ignition of the liquid fuel and conversion of the liquid fuel into a gaseous fuel whereby the gaseous fuel may mix with air entering the heater to produce a combustible mixture for complete consumption within said



primary and final combustion chamber; said primary and final combustion chambers having air inlet openings; and a spreader member spaced from the upper end of the primary combustion chamber within said final combustion chamber to deflect and spread the combustible gases entering said final combustion chamber.

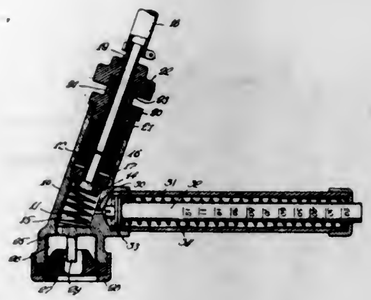
1,503,067. CHILD'S VEHICLE. ERNEST S. SHOWERS, Michigamme, Mich. Filed Dec. 18, 1922. Serial No. 607,654. 4 Claims. (Cl. 208—42.)



1. A device of the class described comprising, in combination, a frame, a shaft carried by the frame, a ground engaging wheel mounted on the shaft, angularly related cranks carried by the shaft, a rock shaft mounted upon the frame, a body, a rock arm carried by the second shaft and pivotally engaged with the body, a second rock arm depending from the second named shaft, an operative connection between the last named rock arm and one of the crank arms of the first named shaft, and a pitman operatively connected with the second crank of the first named shaft and the body.

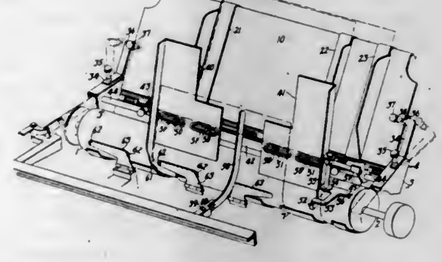
1,503,068. INFLATING NOZZLE AND TIRE GAUGE. LOUIS J. SLADEK, Sycamore, Ill. Filed Mar. 4, 1920. Serial No. 363,177. 8 Claims. (Cl. 284—17.)

1. In a hose connection for a tire valve, a casing adapted to be connected to a tire valve, a hollow plunger adapted to have its outer end secured to an air supply hose, and a spring resisted valve operable by the plunger whereby upon movement of the plunger relatively to the



casing air is admitted to the casing and may pass to the tire valve, the valve adapted to be closed without unfastening the hose.

1,503,069. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 22, 1920. Serial No. 432,376. 12 Claims. (Cl. 197—125.)

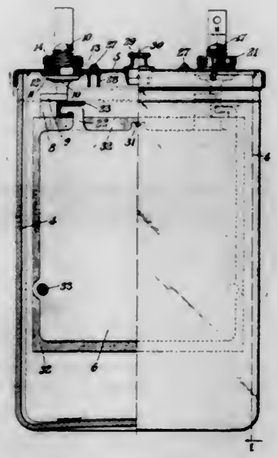


1. In a typewriting machine, the combination with a cylindrical platen, of means for guiding wide and narrow work-sheets to the platen in predetermined superposed relation, comprising wide and narrow paper-chutes, one within the other, the wide chute comprising a pair of high side gages, and the narrow chute comprising one of said high side gages and a relatively low side gage between the high side gages, all three of said side gages being adjustable, the arrangement being such that the widths of both chutes may be adjusted simultaneously by the adjustment of their common side gage, and the width of either chute may be adjusted independently of the other by the adjustment of its individual side gage.

1,503,070. STORAGE BATTERY. ALMOND H. SNYDER, Lancaster, N. Y., assignor to Gould Storage Battery Company, a Corporation of New York. Filed Nov. 22, 1920. Serial No. 425,629. 13 Claims. (Cl. 204—29.)

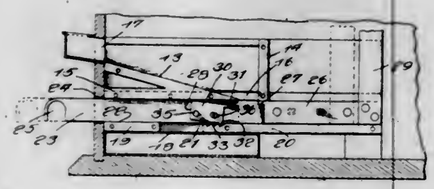
1. A storage battery having in combination a container, a cover therefor, a set of storage battery negative and

positive plates in the container and supported by said cover, said cover being composed of antimony-lead whereby the usual shocks and blows to which the battery is



subjected in shipment and handling are prevented from substantially injuring the battery by reason of the weight of the plates supported thereby.

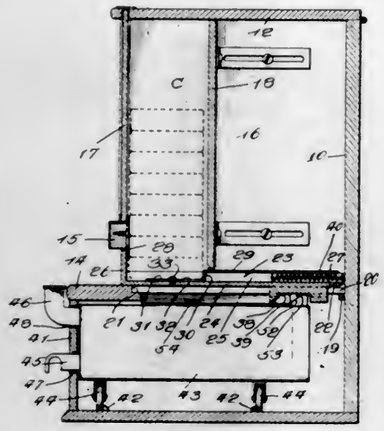
1,503,071. COIN-CONTROL LOCK FOR VENDING MACHINES. LEE ROY SPOONER and PAUL L. GRAY, Watertown, S. Dak. Filed Mar. 21, 1923. Serial No. 626,606. 5 Claims. (Cl. 194—55.)



1. In check control apparatus, a mounting having a channel, a plunger reciprocable within the channel and having an abutment on one side face thereof, a lock slidable between said side face of the plunger and the opposed wall of the channel and normally having engagement with a wall of the channel preventing this movement when engaged by the abutment of the plunger, said lock including a rearward extension engaged and shifted by a coin preceding the plunger and by its shifting releasing the engagement of the lock with said channel wall.

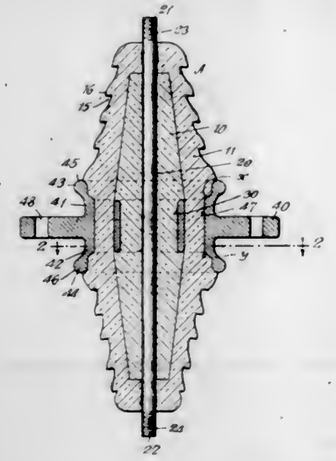
1,503,072. VENDING MACHINE. LEE ROY SPOONER and PAUL L. GRAY, Watertown, S. Dak. Filed Apr. 28, 1923. Serial No. 635,252. 9 Claims. (Cl. 194—2.)

1. In a vending machine, the combination with a casing formed to provide a plurality of compartments arranged in a row, each compartment having a shiftable article ejector and a shiftable coin controlled mechanism alignable with any of said compartments and having a plunger for shifting the article ejector of the compartment with which it is aligned, said plunger being locked when fully retracted, of means carried by the casing preventing shift-



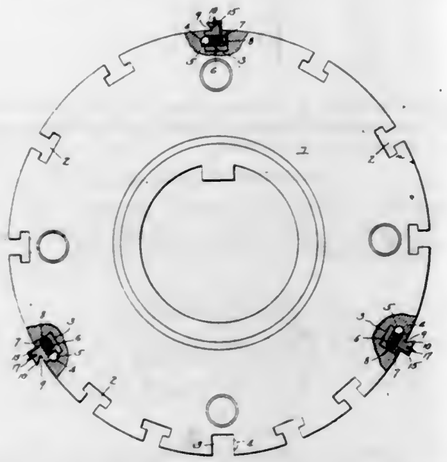
ing of said coin controlled mechanism from the compartment with which it is aligned until the plunger thereof is fully retracted.

1,503,073. INSULATED CONNECTER. LOUIS STEINBERGER, Brooklyn, N. Y. Filed May 5, 1919. Serial No. 294,704. 5 Claims. (Cl. 173—311.)



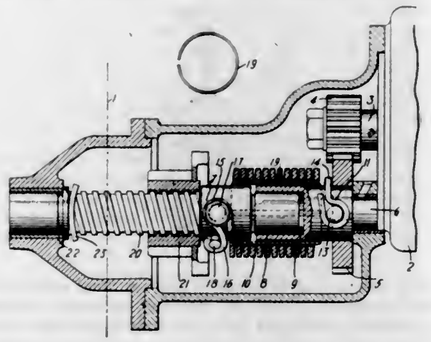
1. In a device of the class described, a solid core of insulating material having a conductor extending axially therethrough, a conductor ring surrounding and spaced apart from the conductor at the central portion of the insulator body, an outer layer of insulating material surrounding said core, and molded to the projecting ends of said conductor to hermetically seal said core, and a supporting ring for said outer layer of insulating material, said ring being formed with a cylindrical portion of substantially the same length as said conductor ring and adapted to distribute the electrical stresses set up within the insulator over a large area.

1,503,074. PLATE CLAMP AND HEADLINE MARKER FOR PRINTING PRESSES. GEORGE W. SWIFT, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a Corporation of New Jersey. Filed July 6, 1923. Serial No. 649,861. 16 Claims (Cl. 101—375.)



1. In a headline marker for printing presses, the combination with a supporting bar, of a marker provided with resilient portions yieldably engaging said supporting bar and having headline marking portions projecting therefrom.

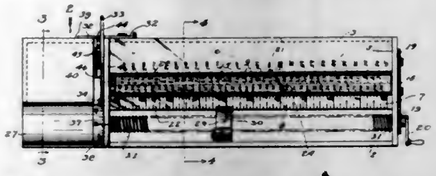
1,503,075. STARTING MECHANISM FOR GAS ENGINES. LESTER M. TAYLOR, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 29, 1915. Serial No. 24,750. 8 Claims. (Cl. 74—7.)



1. In a starting mechanism, the combination with a motor-driven shaft, and a shaft in axial alinement therewith, of a spring for connecting said shafts, and a resilient member between said shafts and said spring.

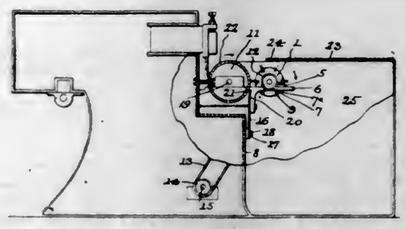
1,503,076. CALCULATING MACHINE. FERDINAND J. TILLMAN, St. Louis, Mo., assignor to Yard-O-Meter Corporation, St. Louis, Mo. Filed Feb. 12, 1920. Serial No. 358,164. 1 Claim. (Cl. 235—86.)

A calculating machine, comprising a casing having a longitudinal slot through one side thereof, a column of multiplicand numbers on the casing adjacent to one side of the slot, a column of multiplier numbers on the casing adjacent to the opposite side of the slot, a sheet operatively supported in the casing, a series of columns of products on the sheet, means for operating the sheet transversely of and adjacent to the slot to different positions to selectively display the columns of products through said slot, and a diagonal line on said sheet ar-



ranged to indicate the respective multiplicand numbers in calculation in which the column of products visible through said slot are the products of the multiplicand number so indicated by said line multiplied by the various multiplier numbers in said column of multiplier numbers.

1,503,077. ATTACHMENT FOR ROLLER COTTON GINS. JAMES S. TOWNSEND, Charleston, S. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Nov. 1, 1923. Serial No. 672,214. 1 Claim. (Cl. 19—48.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

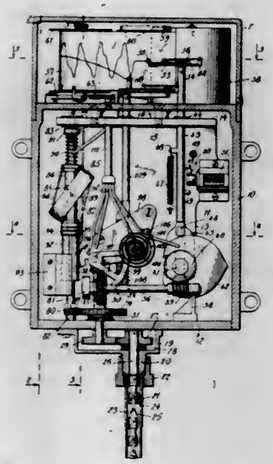


An attachment for roller cotton gins, comprising a rotatable flapper roller positioned on a horizontal line with the gin roller, flaps attached to said flapper roller, means for rotating said flapper roller thereby causing said flaps to strike against cotton conveyed over the cotton gin roller and together with the current of air provided by said rotating flapper roller to throw the cotton in an upward direction, a box positioned below said flapper roller to receive the cotton thrown from said cotton gin roller, a screen superimposed over said flapper roller and adapted to receive waste matter in the cotton thrown from the cotton gin roller, and an air baffle affixed to the cotton gin below the gin roller adapted to prevent the passage of air currents created by the rotating flapper roller, beneath the gin roller.

1,503,078. SPEED INDICATOR AND RECORDER. ANTHONY F. WALLBILLICH, Newark, N. J., assignor, by mesne assignments, to Distance Speed Recording Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1918. Serial No. 222,847. 8 Claims. (Cl. 284—31.)

1. The combination of a shaft adapted to be driven at variable speed, a centrifugal member connected to said shaft, a collar on the shaft connected to said centrifugal member and adapted to be moved along the shaft in accordance with the displacement of the centrifugal member, a sleeve slidably mounted on the shaft and prevented from rotating thereon, a rack on the sleeve, a gear engaging the rack on the sleeve, a second gear associated with the first gear, a second shaft, a pinion on the second shaft engaging the second gear, an index on the end of the second shaft, and a spring connected to said second shaft and adapted through said pinion and gears to hold said sleeve in contact

with said collar so that displacements of the centrifugal member will be communicated to the index through said rack, gears and pinion.



2. The combination of a shaft adapted to be driven at variable speed, a centrifugal member connected to said shaft, a collar on the shaft connected to said centrifugal member and adapted to be moved along the shaft in accordance with the displacement of the centrifugal member, a sleeve slidably mounted on the shaft and prevented from rotating thereon, a rack on the sleeve, a gear engaging the rack, a second gear associated with the first gear, a second shaft, a pinion on the second shaft engaging the second gear, an index on the end of the second shaft, a second pinion on the second shaft, a rack engaging the second pinion, a marker associated with the rack, a travelling tape supported in coaction with the marker, and a spring connected to said second shaft and adapted through said pinion and gears to hold said sleeve in contact with said collar so that displacements of the centrifugal member will be communicated to the index and marker through said racks, gears and pinions.

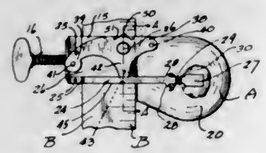
6. The combination of a casing, a housing attached to the bottom of the casing and provided with a depending portion, a shaft rotatably mounted in the depending portion, a tubular member, a collar for attaching the said tubular member to the depending portion of the housing, a flexible driving connection in the tubular member connected to the lower end of the shaft and adapted to be driven at variable speed, a gear on the upper end of said shaft, a ball bearing within the housing and surrounding the shaft and upon which the gear, shaft and driving connection are carried, a second shaft, a gear on said second shaft mesbing with the gear on the first-named shaft, a centrifugal device driven from said second shaft, an index and marker actuated by the centrifugal device and a travelling tape supported in coaction with the marker.

1,503,079. NONSKID ATTACHMENT FOR VEHICLE WHEELS. JOHN P. WALSH, Cambridge, Mass., assignor to Henry J. Walsh, Syracuse, N. Y. Filed June 13, 1922. Serial No. 567,960. 2 Claims. (Cl. 152—14.)

1. In a non-skid attachment for vehicle wheels, the combination with two annular radially-inflexible members adapted to overlie the sides of a vehicle tire, of non-skid elements overlying the tread of the tire and connected to the annular members, the central portions of said non-skid elements being relatively inflexible and the end portions that are secured to the annular members being made of sections hinged together to provide for the necessary yielding movement as the wheel passes over inequalities in the road.

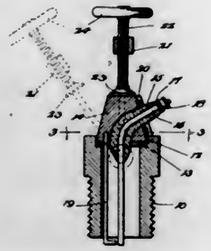


1,503,080. GARMENT-MARKING DEVICE. GUY R. WILLIAMS, Attleboro, Mass. Filed July 29, 1921. Serial No. 488,383. 13 Claims. (Cl. 33—10.)



1. A garment marking device comprising a supporting frame having an aperture therein, a resilient arm mounted upon said supporting frame at a point remote from said aperture and whereby the free end of said resilient arm extends over said aperture, a marking element on the free end of said spring arm, and means for flexing said spring arm whereby said marking element may register delineations through the aperture in said supporting frame.

1,503,081. SPARK PLUG. DONALD W. WILLIS, Canton, Ohio. Filed Oct. 19, 1921. Serial No. 508,802. 3 Claims. (Cl. 123—169.)

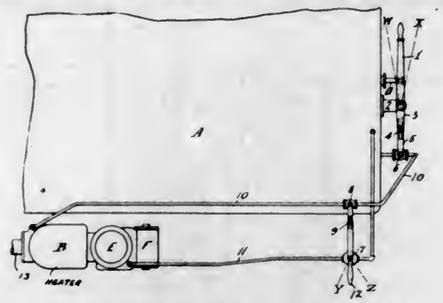


1. A spark plug including a shell, a block closing the shell at its upper end, an insulator extending through the block to project at its upper end at one side of the block, a main electrode extending through said insulator within the shell, a ground electrode upon the block to cooperate with the main electrode, reinforcing ribs upon the block at opposite sides of the projecting upper end of said insulator, and means coacting with the upper end of the block clamping the block upon the shell.

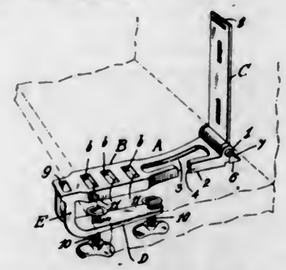
1,503,082. FEED-WATER-HEATING SYSTEM. GEORGE P. ABORN, Brookline, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 30, 1920. Serial No. 433,979. 2 Claims. (Cl. 122—441.)

1. The combination with a boiler and its feedwater heater and supply pump therefor, of a valve controlled

live steam connection to said heater, connections between said valve and the engine throttle for controlling admission of live steam to the feedwater heater, and means cooperating with the supply pump steam valve for controlling the live steam supply to the heater.

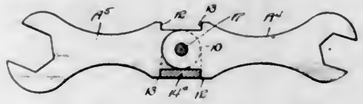


1,503,083. LUGGAGE CARRIER. JOHN AMEY, Long Island City, N. Y., and FREDERICK W. BECKER, Rutherford, N. J. Filed Oct. 5, 1921. Serial No. 505,629. 4 Claims. (Cl. 222—29.)



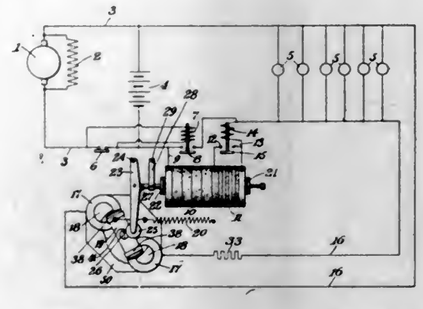
1. A luggage carrier comprising a base member adapted to be secured transversely to the top of a running board; a strap eye provided towards the outer end of said base member; a back strut for the inner end of said base member provided with a strap eye at its free end; and an elbow hinge hinging said strut member to said base member at approximately the inner end of said base member, permitting said strut to fold down upon said base member but preventing its swinging back substantially beyond a right-angular position relatively to said base member, all whereby a piece of luggage may be secured through the medium of a strap engaging said eyes upon said base member and is positively prevented by said elbow hinged strut from contacting with the side of the vehicle extending up from said running board.

1,503,084. WRENCH. FOREE BAIN, La Grange, Ill. Filed Oct. 13, 1922. Serial No. 594,259. 7 Claims. (Cl. 81—119.)



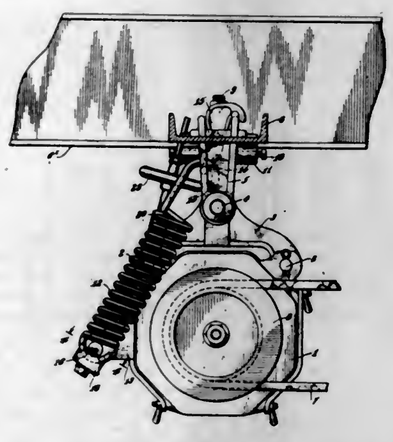
1. In a foldable tool a pair of wrenches each having an operative head and a shank, the latter perforated near its end and providing a transversely extending abrupt shoulder by reduction in section near said perforation and a U-shape clip pivoted to said shanks and rotatable about the pivot arranged to abut both shoulders and to be included therebetween when one wrench is extended.

1,503,085. REGULATOR. ELI J. BLAKE, Buffalo, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Oct. 9, 1920. Serial No. 415,800. 21 Claims. (Cl. 171—229.)



1. In a regulator the combination of a carbon pile, two electro-magnets having parallel cores, an armature, pivoted on an axis between said cores and parallel thereto, pole faces formed on said cores substantially concentric with the axis of said armature, a lever for operating said pile, and a roller operatively interposed between the armature and said lever whereby movement of the armature operates the lever to vary the resistance of said pile.

1,503,086. GENERATOR SUSPENSION. ELI J. BLAKE, Buffalo, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Oct. 29, 1921. Serial No. 511,373. 11 Claims. (Cl. 105—106.)

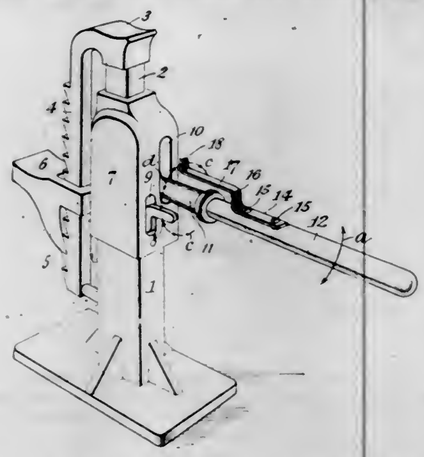


1. In a generator suspension, the combination of a car body, a generator adapted to be belt-driven from the car axle, a pivotal support for the generator beneath the car body, and a spring connected to said generator and car body, so arranged as to tend to swing the generator around its pivotal point away from the car axle, and so that its tension is in a substantial degree opposed to the weight of the generator.

1,503,087. LIFTING JACK. ARTHUR J. BROWN, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,742. 9 Claims. (Cl. 254—110.)

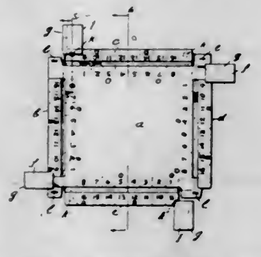
1. In a lifting jack, the combination with a socket member, and a reversing pawl mechanism, of a handle bar engageable detachably with the socket member, and

a finger carried by the handle bar and positioned exteriorly of the socket member, said handle bar being



rotatable at will relatively to the socket member and said finger being engageable on the rotative movement of the handle bar with the reversing pawl mechanism.

1,503,088. CARD-TABLE COVER. HARRIET CRANE BRYANT, Potsdam, N. Y. Filed June 1, 1922. Serial No. 565,152. 4 Claims. (Cl. 46—55.)

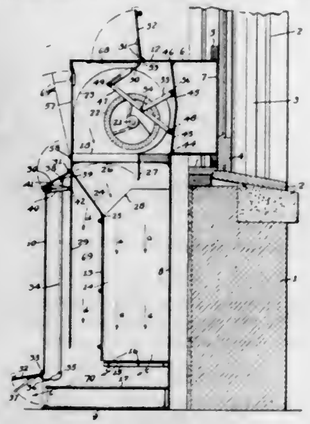


1. A table cover comprising a main body portion of flexible material, and a plurality of edge portion pendent therefrom and also made of flexible material, said main body portion being provided with a number of pockets for carrying hands of cards or the like, and further provided with indicating marks disposed adjacent said edge portions, each of said pendent edge portions being provided with pockets for carrying hands of cards or the like, the pockets carried by said edge portions being paired in mating relation to the pockets carried by the main body portion, said pendant edge portions being further provided with indicating marks relating to the indicating marks of said main body portion.

1,503,089. VENTILATING UNIT. MICHAEL J. CALLAHAN, New York, N. Y. Filed June 2, 1919. Serial No. 301,190. 32 Claims. (Cl. 98—27.)

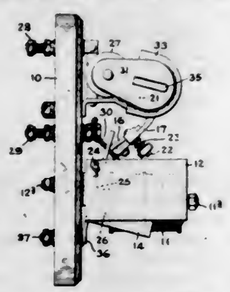
2. A ventilating unit comprising an inclosing casing divided into a plurality of chambers, two being arranged in parallelism and one of the latter having two discharge openings arranged one above the other; a third chamber above the other two and a blower therein; a heating element in one of the parallel chambers; a passage between the blower and heater chambers; dampers arranged in cooperative relation to the discharge openings; and means for actuating the dampers whereby the heated air may be driven from the casing through either one of the discharge openings.

16. A ventilating unit comprising a casing having a chamber at its top; a fan or blower located in said chamber; an air inlet to said chamber in rear of the



fan; an air inlet at the top of said chamber; means for controlling the air inlet at the top of said chamber and connected for simultaneously controlling the air inlet at the rear of said chamber.

1,503,090. ELECTROMAGNET. EUGENE R. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 27, 1920. Serial No. 361,694. 19 Claims. (Cl. 175—336.)

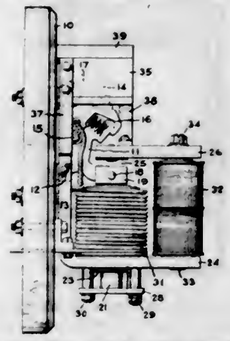


1. An electromagnet comprising a magnet winding, and a magnetic structure therefor including two similarly shaped telescoping members, one of which is movable into and out of a position of alignment with reference to the other under the control of the magnet winding.

12. The combination in an electromagnet of a magnet frame to which one end of the core of the electromagnet is secured, a support for the said frame to which the frame is secured with the axis of the electromagnet disposed at an angle to the support, and a pivotally mounted armature in the space between the support and the other end of the core of the electromagnet, the pivotal support for the armature being disposed with respect to the frame so that the armature is biased away from the said other end of the electromagnet by gravity and the armature is movable about its pivot away from the support toward the said other end of the electromagnet.

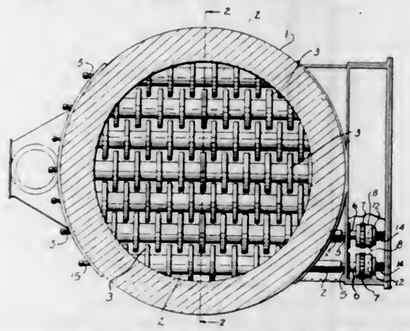
1,503,091. MAGNETIC BLOW-OUT DEVICE. EUGENE R. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 2, 1920. Serial No. 421,212. 10 Claims. (Cl. 200—102.)

1. An electromagnetic switch comprising an operating electromagnet having a magnetic structure with an air gap across which there is a difference of magnetic potential while the switch is opening, a pair of relatively movable switch contacts, and a pair of magnetic members each of which has one end connected to the magnetic structure and the other end disposed adjacent the switch contacts, forming a path for the magnetic flux of the magnetic structure shunting the said air gap through which the magnetic flux of the electromagnet is caused to pass at right angles to the plane of movement of the switch contacts.



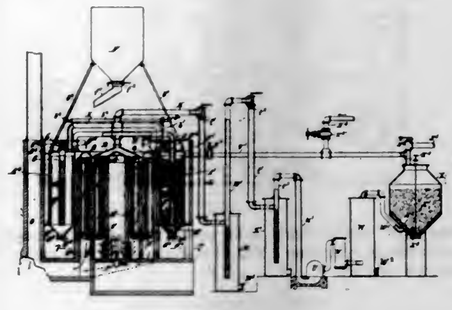
10. The combination in an electromagnetic switch of the lock-out type having a magnetic structure with a variable current winding and a constant current winding disposed thereon, a magnetic movable element under the control of said windings, a pair of relatively movable cooperating switch contacts magnetically held by the said magnetic element in the open position when the current in the variable current winding is above a predetermined value, magnetically operated to the closed position when the current in the variable current winding drops to said value, and magnetically operated to the open position when the current in the variable current winding reverses in direction, of a magnetic blow-out device comprising a plurality of members of magnetic material connected to the magnetic structure to be energized by the said constant current winding and arranged to have corresponding ends thereof adjacent the switch contacts so that the magnetic flux through the members is caused to be at substantially right angles to the plane of movement of the switch contacts when the said contacts open due to the reversal of the current through the said variable current winding.

1,503,092. METHOD OF AND APPARATUS FOR AUTOMATIC CLEANING AND AUTOMATIC CONTROL OF MECHANICAL GRATES. ROBERT A. CARTER, Jr., Bay Ridge, Brooklyn, N. Y. Filed June 12, 1923. Serial No. 644,880. 19 Claims. (Cl. 126—181.)



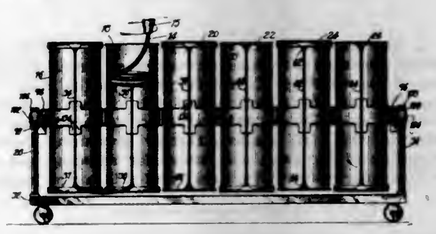
1. The method of automatically cleaning a fire bed, consisting in removing the ash and clinker, and employing the heat of the fire bed to itself directly control the rate of removal of the ash and clinker from said fire bed.

1,503,093. SHALE-DISTILLATION APPARATUS. ROBERT M. CATLIN, Franklin, N. J., assignor to Catlin Shale Products Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 4, 1920. Serial No. 401,130. 6 Claims. (Cl. 202—14.)



1. In a shale distilling plant the combination, with a receptacle for the shale charge, said receptacle having a perforated inner lining spaced from the outer wall of the receptacle to form an annular space for the escape of gas, and having a shale-charging opening and discharging opening for solid products, of means for closing said openings, means for conducting away gas from the annular space, means for heating said gas, a perforated pipe arranged to discharge said heated gas along the interior of the shale charge so that the gas may travel radially through the charge to the perforated lining, and means for drawing off the liquid products of distillation.

1,503,094. WARP CONDENSER. STUART W. CRAMER, Jr., Philadelphia, Pa., assignor to Cramerton Mills, Incorporated, a Corporation of North Carolina. Filed Sept. 15, 1923. Serial No. 662,829. 19 Claims. (Cl. 28—27.)

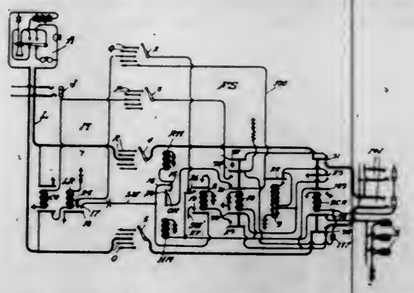


2. A method of handling warp which comprises, coiling warp upwardly in a can, continuing said warp from the upper part of said can to the upper part of an adjacent can, inverting said cans, coiling said warp in said second can in the opposite direction from that of said first can and drawing the warp from adjacent cans from the portions connecting the upper parts of said coils.

1,503,095. TELEPHONE SYSTEM. HIRAM D. CURRIER, Chicago, and GEORGE R. EATON, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1919. Serial No. 278,745. Renewed Sept. 17, 1923. 63 Claims. (Cl. 179—27.)

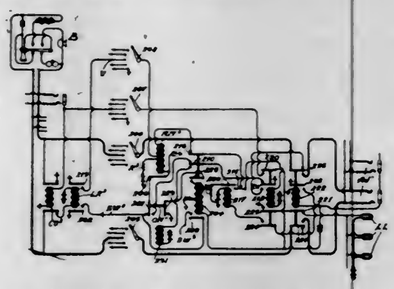
1. A telephone system including subscribers' telephone lines, connection circuits less in number than said telephone lines, automatic means for connecting a calling subscriber's line and an idle one of said connection circuits, a link circuit having a manually operated con-

nection plug for use in extending connection from said connection circuit, and subscriber-controlled means individual to said link circuit for operatively disassociating



said link circuit from said connection circuit whereby said calling subscriber's line is disconnected from said connection circuit.

1,503,096. CALL-DISTRIBUTING SYSTEM. HIRAM D. CURRIER, Chicago, and GEORGE R. EATON, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1919, Serial No. 306,042. Renewed July 18, 1923. 38 Claims. (Cl. 179—27.)



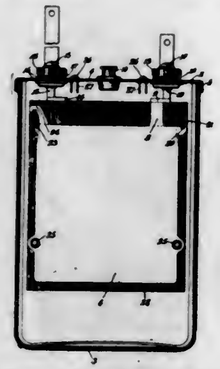
1. An automatic switch provided with a double-wound motor magnet, means for closing a circuit through one of the windings of said motor magnet to cause the operation of the same, means for closing a circuit through the other of said windings to neutralize the effect of the first winding, thereby preventing further operation of the same and means for releasing and restoring said switch independently of said motor magnet.

1,503,097. BRACELET WATCH. JOSEPH DAVING, Brooklyn, N. Y. Filed Apr. 30, 1923. Serial No. 635,505. 2 Claims. (Cl. 58—88.)



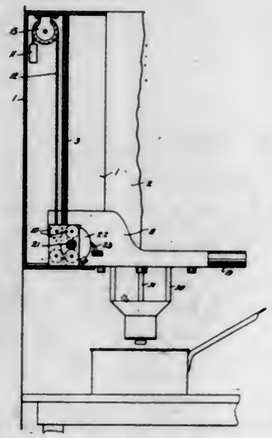
1. As an article of manufacture, a bracelet-watch encasement of the character designated, comprising a basic watch-works holding section formed with bracelet-attaching means, a bezel section mounted thereon, a combined crystal and dust plate interposed between said bezel section and the watch-works holding section, and a retractile illusory cover plate mounted on said bezel section, substantially in the manner and for the purpose set forth.

1,503,098. STORAGE BATTERY. THEODORE B. ENTZ, New York, N. Y., assignor to Gould Storage Battery Company, a Corporation of New York. Filed Dec. 28, 1920, Serial No. 433,609. Renewed Feb. 19, 1924. 2 Claims. (Cl. 204—29.)



1. A storage battery having in combination a plurality of negative plates, a container for the plates, a cover for the container, means whereby the two sets of plates are suspended and supported from the cover, a member of insulating material extending transversely of the plates and having a part extending into notches in the terminal end of the upper edge of the positive plates, the negative plates being provided at their free ends with hook shaped arms extending upwardly from their upper edges and engaging over the upper edge of said insulating material member to be supported thereby, and another member of insulating material extending transversely of the plates and having a part extending into notches in the terminal end of the upper edge of the negative plates, the positive plates being provided at their free ends with hooked shaped arms extending upwardly from their upper edges and engaging over the upper edge of said second insulating material member, said insulating material members passing through cut away portions in the side edges of the separators adjacent the top thereof whereby the separators are supported by the plates through said insulating material members.

1,503,099. COMBINATION MOUNTING FOR MOTORS AND FITTINGS. ELMER A. GRIFFITTS, Calgary, Alberta, Canada. Filed Mar. 3, 1923. Serial No. 622,703. 2 Claims. (Cl. 74—7.)



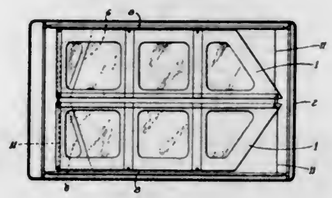
1. An article of the class described comprising a driving motor and a train of gears driven thereby, a base plate mounting for the said motor, means for holding accessories upon the said base plate in relation to and driven by any member of the gear train, brackets upon which the said base plate is pivoted, supporting rods upon which the brackets are movable and a cabinet interiorly of which the said rods are mounted.

1,503,100. TYPEWRITER CARRIAGE. DE WITT CLINTON HARRIS, Pineland, Fla. Filed Sept. 1, 1921. Serial No. 497,648. 10 Claims. (Cl. 197—138.)



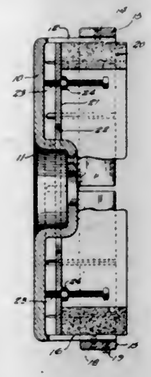
1. A typewriter having, in combination, a carriage frame, a platen journaled therein, a bracket rigidly mounted in said frame beneath said platen and having a plurality of alined pairs of upstanding ears along its forward edge and a plurality of alined upstanding ears positioned rearwardly from the first mentioned ears, a plurality of forward feed rolls, means for mounting each of said feed rolls comprising a carrier having two spaced parallel sides and a connecting cross piece, said sides having upwardly opening notches in opposite ends, a shaft journaled in a pair of said forward ears, one pair of said notches engaging said shaft from beneath, another shaft journaled in the other pair of said notches and having one of said feed rolls mounted thereon, a rock shaft journaled in said frame rearward from the forward ears and having a plurality of laterally projecting keys thereon, a rear feed roll carrier comprising spaced sides and a connecting cross piece, said sides having notches at their opposite ends, the forward pair of notches engaging beneath the said rock shaft, a shaft mounted in the rear pair of said notches, a plurality of rear feed rolls mounted on the last mentioned shaft, springs associated with said forward and rear feed-roll-carriers and tending to hold the rolls against the platen, a lug on each of said carriers overlapping one of said keys on said rock shaft, said keys being arranged to engage said lugs and swing said feed roll carriers away from the platen when said rock shaft is rocked, and means for rocking said rock shaft.

1,503,101. VEHICLE CURTAIN. EDWARD ACKERMAN, New York, N. Y. Filed July 10, 1923. Serial No. 650,643. 8 Claims. (Cl. 296—140.)



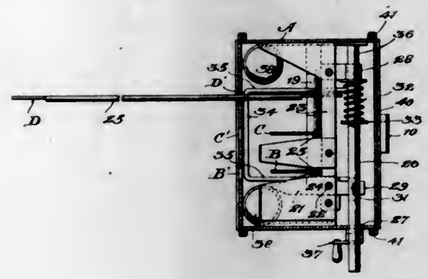
1. In combination with a vehicle top, a rod having a hollow portion and detachably secured longitudinally of the top, a spring arranged entirely within the hollow portion of said rod, said spring being fixedly secured intermediate its ends and having its ends freely movable, a curtain, and means for connecting said curtain with the free ends of the spring.

1,503,102. RING-WHEEL CHUCK. EDWARD P. ALSTED, Truesdell, Wis. Filed May 24, 1923. Serial No. 641,277. 6 Claims. (Cl. 51—209.)



1. In a ring wheel chuck a shell body formed with peripheral slots providing a plurality of leaves, a retaining ring recessed adjacent said leaves and means for moving said leaves into said recesses for releasing a ring wheel adapted to be secured thereby.

1,503,103. AUTOMOBILE SIGNAL. JOHN F. ARCHER, Trinidad, Colo. Filed Sept. 10, 1923. Serial No. 661,980. 7 Claims. (Cl. 115—53.)

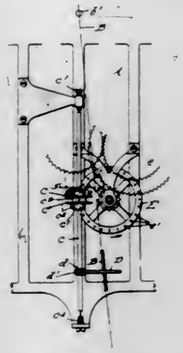


1. An automobile signal comprising a plurality of independent signal arms pivoted off center, and capable of gravitating from an upright inoperative position into a displayed position, selective holding means for maintaining each arm in an upright position, each holding means including a latch member and a push device controlling the latch member, and a single means common to the several signal arms for returning them from their operative positions into engagement with the respective holding means.

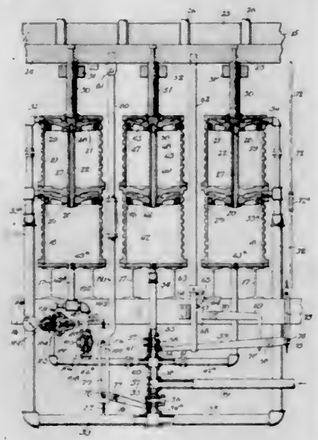
1,503,104. CLOCK ESCAPEMENT. JAMES P. ARMSTRONG and JOSEPH V. ARMSTRONG, Lancaster, N. Y. Filed June 29, 1922. Serial No. 571,587. 14 Claims. (Cl. 58—116.)

1. In an escapement mechanism, the combination of a pivoted oscillatory member, means for imparting power to said member at intervals to cause the same to turn in

opposite directions, an oscillatory weighted member which moves about a different pivot than said first-mentioned oscillatory member, and a connection between said oscillatory members, whereby each member imparts movement to and is moved by the other member.



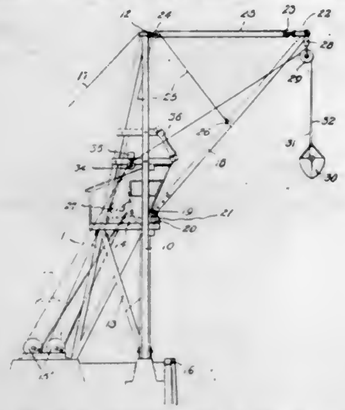
1,503,105. PRESSURE PAD. MARTIN BALCKER, Chicago, Ill., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1922. Serial No. 534,296. 29 Claims. (Cl. 113—46.)



1. A pressure pad for sheet metal presses, said pad being operable as a blank holding means during a portion of the cycle of operation of the press, and means for causing the pad to drop beyond the bottom of the operative stroke of the press during another portion of the same cycle of operation of the press.

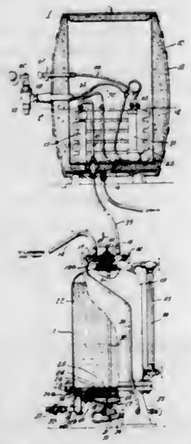
1,503,106. TRIPLE-MAST COAL HOIST. OTTO E. BARENE, Brooklyn, N. Y. Filed June 16, 1921. Serial No. 478,069. 3 Claims. (Cl. 212—66.)

1. In a hoisting device, the combination of an upright support whose front lies substantially in a vertical plane, a gaff pivoted at one end upon said support close in front of said plane and movable up and down as well as laterally in either direction with respect to its pivotal support, connections between the top of the support and the remote end of the gaff for holding it at a predetermined elevation and for permitting it to swing laterally as aforesaid, a load carrying member, a pair of guide members on said support, located above the point of pivotal support for the gaff and at the rear of the aforesaid vertical plane of the support front, a pair of independently controllable power cables operating over said guide members and connected to said load carrying member, and a fulcrum member journaled upon said upright wholly in front of said support plane and in a



vertical plane perpendicular to the front plane aforesaid and above said guide members and having its axis inclined at an oblique angle to the plane of the support front, said fulcrum member being located to co-operate with one of said cables for returning the load carrying member to filling position after having been swung laterally for dumping.

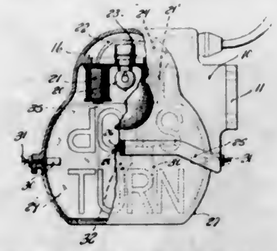
1,503,107. DISPENSING APPARATUS. CHARLES L. BASTIAN, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 17, 1923. Serial No. 663,052. 15 Claims. (Cl. 225—21.)



1. In dispensing apparatus, a plurality of coolers arranged seriatim, means for supplying beverage under pressure to one of the coolers, means for drawing the beverage after it has passed through only one of the coolers, and means for drawing the beverage after it has passed through the plurality of coolers.

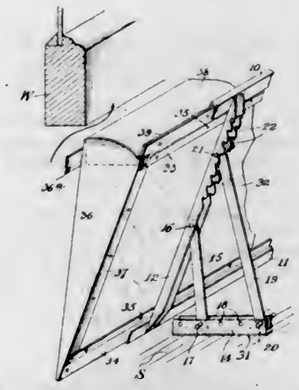
15. In dispensing apparatus, a cooler, means for supplying a carbonated beverage to the cooler, a faucet, means connecting the discharge end of the cooler with the faucet, and a second means connecting the discharge end of the cooler with the faucet including friction means for gradually reducing the pressure of the carbonated beverage.

1,503,108. AUTOMOBILE SIGNAL. FREDERICK BAUER, Milwaukee, Wis. Filed Jan. 27, 1922. Serial No. 532,151. 1 Claim. (Cl. 177—327.)



In an automobile signal, a casing, a lens carried thereby and adapted for use as a tail light, a glass bowl supported by said casing and suspended beneath the casing, a plate extending across the casing and glass bowl, pivots carried in said casing for revolubly supporting said plate, a pair of arcuate members rigid with said plate and formed of magnetic material, said arcuate members being of different curvature through their extent, a weight rigid with said plate and adapted to maintain it normally in a horizontal position, a lamp carried within said casing above said plate and adapted to illuminate said lens and said plate, a pair of electromagnets each positioned above an arcuate member, means for supporting said lamp and said magnets, said plate having signalling indicia upon opposite sides thereof, whereby said plate normally extends horizontally across the apparatus and shields said bowl from said light and upon energization of one of said magnets rocks into a vertical position to display one side thereof and the corresponding signalling indicia carried thereon.

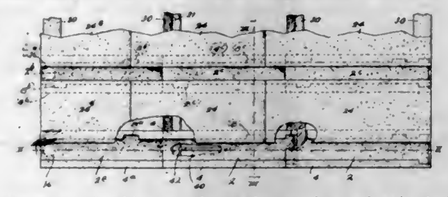
1,503,109. WINDOW VENTILATOR. JOHN BELLOCCHIO, New York, N. Y. Filed Jan. 15, 1924. Serial No. 686,321. 5 Claims. (Cl. 98—31.)



1. In a window ventilator, the combination of a frame comprising upper and lower channel rails, means including upright stays attached to the rails and serving to hold them in fixed spaced parallel relation to each other, brace means for the frame, and windshield means carried by the rails, said brace means including adjustable members pivotally connected to the stays.

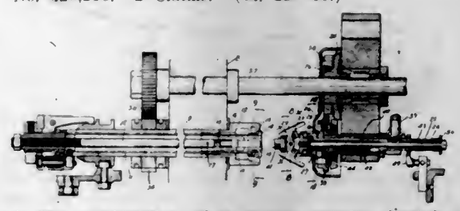
1,503,110. SECTIONAL ROOF. WALTER C. BROUGHTON, Kansas City, Mo. Filed Oct. 27, 1922. Serial No. 597,299. 2 Claims. (Cl. 108—10.)

1. In a roof structure, a gutter slab consisting of a body portion having a transverse lip at its upper surface at one end and a longitudinal slot at its underside, a panel adapted to fit into said longitudinal slot, and a



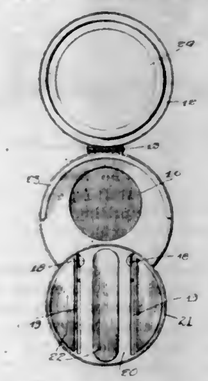
transverse shoulder at the under surface of said body portion at its end opposite the end containing said transverse lip.

1,503,111. METAL-WORKING MACHINE. ROBERT S. BROWN, New Britain, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 20, 1923. Serial No. 620,210. 2 Claims. (Cl. 29—60.)



1. The combination of a rotary spindle, having a work-holder, of a second spindle having work-carrying means, driving and driven discs, the driving discs being constantly rotative, means to present work to the work-carrying means, means for endwise moving the second spindle to present the work carried thereby to the work-holder and means for driving the second spindle at a speed approximately agreeing with that of the rotary spindle at the time the work carried by the rotary spindle is presented to the work-holder.

1,503,112. VANITY CASE. CHRISTIAN A. BUSCHAM, Irvington, N. J., assignor to C. A. Buscham Mfg. Co., Irvington, N. J. Filed Sept. 10, 1923. Serial No. 661,925. 4 Claims. (Cl. 132—83.)

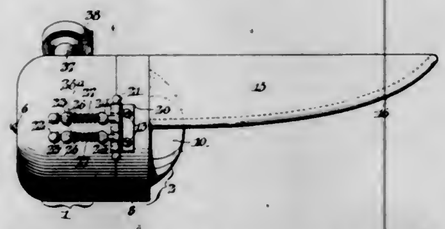


1. A vanity case including a case bottom having a hollow top hinged thereto at one side, a well in said case bottom for the reception of a cosmetic, a cosmetic receptacle fitted on top of the case bottom and having rectilinear sliding connection with said bottom, said receptacle forming a cover for said well when slid inwardly and being housed in the top upon closing of the latter on the case bottom, and an arcuate stop fixed on said case bottom to limit the movement of said receptacle.

1,503,113. PROCESS FOR VULCANIZING RUBBER WITH CONDENSATION PRODUCTS OF AMMONIA AND ALDEHYDES AS ACCELERATORS. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed May 15, 1922. Serial No. 561,021. 12 Claims. (Cl. 18—53.)

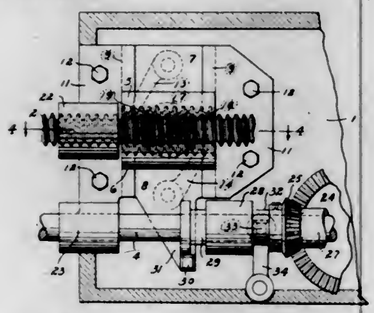
8. A vulcanized rubber derived from rubber combined with a vulcanizing agent and a reaction product of an aldehyde having seven carbon atoms in a straight hydrocarbon chain and ammonia.

1,503,114. VEHICLE LAMP. DANIEL CAMPBELL, Philadelphia, Pa. Filed Dec. 18, 1922. Serial No. 607,541. 9 Claims. (Cl. 240—7.)



1. The combination in a motor vehicle of spaced signals, means shading against observation from either side of the vehicle of more than one signal at a time, and automatically extensible hinge connections therefor with the pintles supported for independent shifting and subject to yielding means.

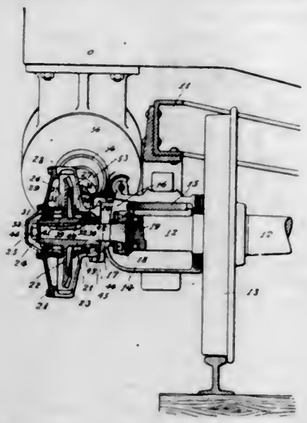
1,503,115. LATHE. LIONEL A. CARTER, St. Louis, Mo. Filed Dec. 3, 1920. Serial No. 428,056. 3 Claims. (Cl. 82—22.)



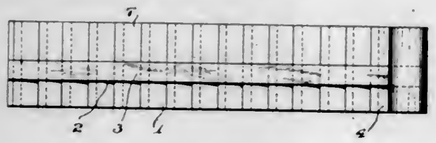
1. In combination with the feed-screw and the feed-rod of a lathe, and a gear-shifting sleeve slidable on said feed-rod, of a feed-nut comprising a pair of half-sections adapted to be closed upon said feed-screw and to be released therefrom, one of the half-sections of said feed-nut having a portion that projects beyond said feed-rod and has a lateral extension that overlaps said sleeve and lies close to the surface thereof in one position of said sleeve so as to be obstructed thereby but is unobstructed by said sleeve in its opposite position, whereby simultaneous operation of said feed-screw and said feed-rod is prevented.

1,503,116. POWER TRANSMISSION FOR ELECTRIC-CURRENT GENERATORS. KURT H. CONLEY, Bridgeport, Conn. Filed Feb. 14, 1923. Serial No. 618,895. 7 Claims. (Cl. 105—118.)

1. In combination with a wheeled vehicle including a body, an axle, and a truck carrying said axle, a power-using device mounted on the car body, an extension on said axle, an attachable and removable casing supported entirely on said extension, means to prevent rotation of said casing, gearing carried within said casing and adapted to be driven by said shaft extension, and transmission means connecting said gearing to said power-using device.

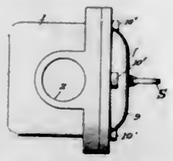


1,503,117. BIB. EARL A. CRAWFORD and GEORGE P. LA MERE, Hudson Falls, N. Y. Filed Nov. 5, 1923. Serial No. 672,737. 6 Claims. (Cl. 2—50.)



1. A strip of suitable material, pleated transversely of its length, said pleats being secured in pleated form longitudinally of said strip and intermediate the edges thereof, said device being adapted to be used as a bib.

1,503,118. SINK TRAP. ADOLPH L. DE LEEUW, Plainfield, N. J. Filed July 14, 1923. Serial No. 651,565. 6 Claims. (Cl. 182—23.)

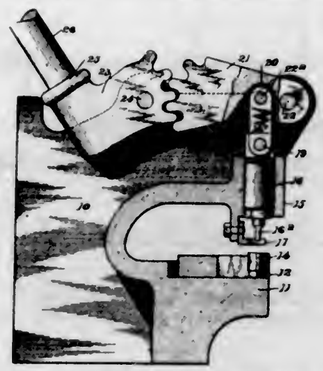


1. A sink-trap comprising a casing provided with inlet and outlet openings; transverse walls within said casing affording a water-pocket, a chamber formed within said casing adjacent said inlet; and a cylindrical cup removably secured within said chamber.

1,503,119. PUNCH PRESS. EDWARD J. DREIS, San Francisco, Calif. Filed Aug. 13, 1923. Serial No. 657,151. 3 Claims. (Cl. 164—96.)

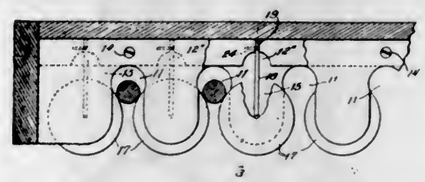
1. A punch press comprising a frame formed with an anvil, a ram guide carried by the frame above the anvil, a ram reciprocably mounted in the guide to operate against the anvil, an eccentrically mounted gear segment carried by the frame, a link pivotally connected

to the gear segment and to the ram forming a connection therebetween whereby oscillation of the gear segment will reciprocate the ram, an eccentrically mounted



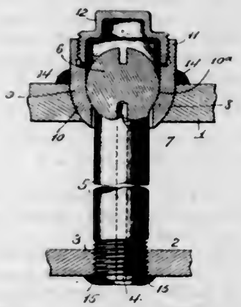
pinion carried by the frame and in mesh with the gear segment, the relative positions of the gear segment and pinion being such that the greatest ratio therebetween will occur at the beginning of the punching operation.

1,503,120. CUE RACK. THOMAS DROST, Elmhurst, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 15, 1920. Serial No. 424,022. 12 Claims. (Cl. 46—6.)



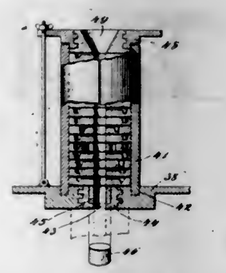
1. A cue rack comprising a holder having a plurality of spaced recesses to receive the cues, and a cue engaging means yieldingly mounted in said holder between and projecting into each pair of said recesses to coact with the corresponding means on either side thereof to hold the cues in the recesses and bodily movable laterally to permit the insertion and removal of the cues.

1,503,121. STAY-BOLT STRUCTURE. JOHN ROGERS FLANNERY and ETHAN I. DODDS, Pittsburgh, Pa., assignors to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed July 2, 1919. Serial No. 308,121. 1 Claim. (Cl. 85—1.5.)



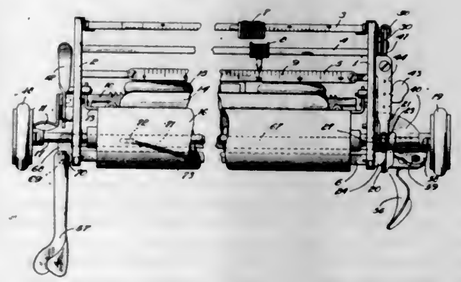
In a staybolt structure, the combination with inner and outer boiler sheets having openings, of a bearing member having initial universally movable mounting at the opening in one boiler sheet, a staybolt having a head at one end movably mounted in said bearing member, said staybolt having its other end passing through the opening in the other boiler sheet, and means including a weld for uniting the last-mentioned end of the staybolt with the boiler sheet through which it passes.

1,503,122. MACHINE FOR MAKING MULTIPLE MOLDS AND CASTINGS. HARRY S. FRANK, St. Louis, Mo. Filed Aug. 29, 1918. Serial No. 251,966. 10 Claims. (Cl. 22—65.)



1. The combination in a set of molding and casting devices for making multiple molds and castings, of a cylindrical and rotatable mold holder, consisting of a divided shell enclosing a pile of molds preparatory to pouring, a base or mold rest, and a head or mold cover, both interlocking with said shell, and means for permitting a quick assembling and demounting of all said parts.

1,503,123. LINE-SPACE MECHANISM. DE WITT CLINTON HARRIS, Pineland, Fla. Filed Sept. 1, 1921. Serial No. 497,649. 11 Claims. (Cl. 197—114.)

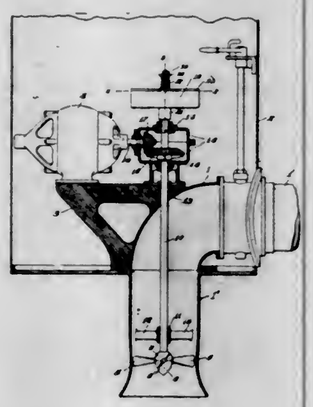


1. In a mechanism of the class described, an actuator having a fixed pivotal support, a pair of studs fixed on said actuator, a pivoted lever having an arcuate slot to receive one of said studs, a bar having an arcuate slot to receive the other of said studs, said studs being normally positioned at one end respectively of said slots for operative engagement by said lever and said bar, and being arranged to pass through said slots as when either of said latter members remain inoperative.

1,503,124. HYDROELECTRIC POWER PLANT. JOHN J. HOPPES, Springfield, Ohio. Filed May 23, 1923. Serial No. 640,972. 11 Claims. (Cl. 253—97.)

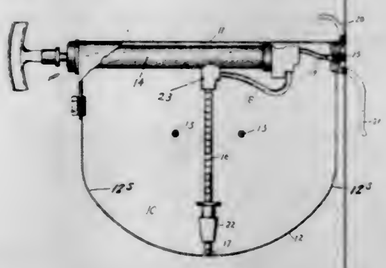
1. In a power plant of the character described, a water wheel comprising a series of blades of the propeller type

each rotatable upon its axis, and a governing mechanism rotatable with said wheel and connected with said



blades to change the pitch of the faces thereof to maintain a uniform speed of said wheel.

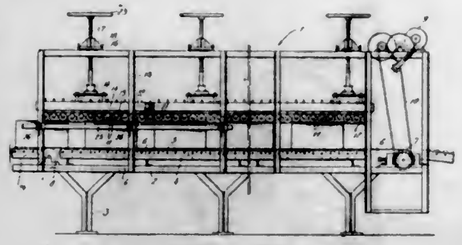
1,503,125. FIRE EXTINGUISHER WITH A SINGLE DELIVERY TUBE. ROSCOE C. IDDINGS, Dayton, Ohio, assignor to The Fyr-Fyter Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 10, 1919, Serial No. 288,931. Renewed Dec. 31, 1923. 3 Claims. (Cl. 299—98.)



2. A fire extinguisher comprising a fluid container of flat and approximately segmental form, in combination with a pump, a flexible tube connected to said pump and suspended from a point in the container which approximates the axis of the segment and around which said tube is adapted to oscillate as a center, and means for compelling the tube to oscillate around a point of smaller radius when the inclination of said container exceeds a certain angle, the perimeter of the container being of such form that the mouth of the tube will be substantially the same distance from it whether the tube is hanging free from its support or is under the control of one of said centers of smaller radius.

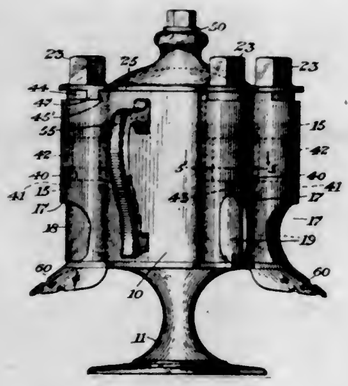
1,503,126. SEALING MACHINE FOR FILLED CARTONS. WALLACE D. KIMBALL and ARTHUR E. RIDEOUT, New York, N. Y., assignors to Standard Sealing Equipment Corporation, New York, N. Y., a Corporation of New York. Filed July 15, 1920. Serial No. 396,362. 10 claims. (Cl. 93—6.)

1. In a carton-closing machine, the combination of means to advance the cartons with the flaps gummed and folded, and means for applying pressure to the flaps comprising a presser member of less width than the



width of the carton, the contacting surface of said member being stationary relative to the carton.

1,503,127. DISPENSING DEVICE FOR GRANULAR MATERIALS. CLIVE W. LANPHERE, New York, N. Y. Filed June 27, 1923. Serial No. 648,026. 22 Claims. (Cl. 221—106.)

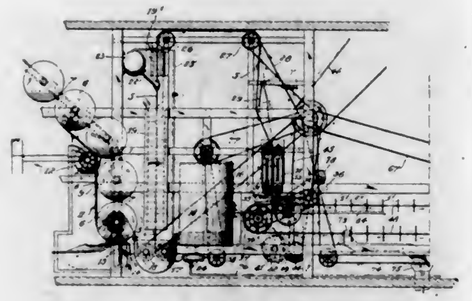


1. A dispensing device for granular materials, comprising a magazine having an outlet opening in its side wall and a bearing post on its bottom wall provided with an undercut annular shoulder, a cover for the magazine having an opening, and a rotatable stirring spindle resting at its lower end on the bearing post and having its upper end projecting through the opening in the cover as a means whereby it may be operated, the said spindle being provided with a locking finger loosely engaging the annular shoulder on the bearing post to lock the spindle against withdrawal from the magazine when the cover is in place.

1,503,128. PROCESS AND APPARATUS FOR COATING CORSET STEELS. HOYT HARRISON LELAND, East Orange, N. J., and GUSTAVUS A. NEW, New York, N. Y., assignors to L. S. & N. Corporation, a Corporation of New York. Filed Apr. 17, 1922. Serial No. 554,600. 23 Claims. (Cl. 91—68.)

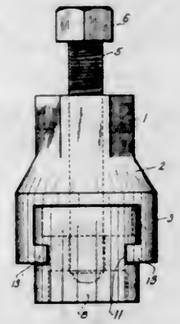
1. The process of coating strip material with a liquid coating composition comprising applying a primary coating to the strip of material, drying the primary coating, then applying an edging to the strip of material.

6. An apparatus for making corset bones or similar articles, comprising means for coating a strip of material with a liquid coating composition, means for cutting the material into appropriate lengths and means for dipping the ends of the cut lengths into a coating bath for rounding off such ends.



16. In a machine of the character described, the combination of means for applying a primary coating to a strip of material, means for cutting the strip into appropriate lengths, and means for applying a protecting bud to the ends of the pieces thus cut.

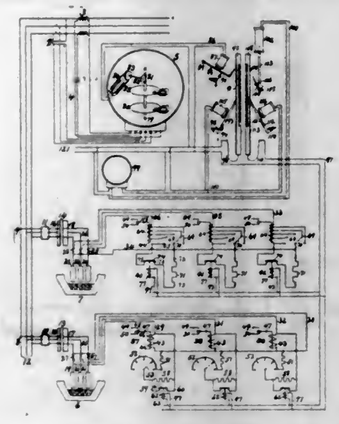
1,503,129. WHEEL PULLER. CHARLES H. MILES, Jr., Birmingham, Ala. Filed May 1, 1923. Serial No. 635,830. 5 Claims. (Cl. 29—85.)



1. A wheel puller comprising a chuck having a laterally opening recess, a screw working longitudinally through said chuck and recess, a socket member removably mounted in said recess, means to interlock said socket with the chuck against relative longitudinal movement, and means on the socket to engage a wheel hub, there being a central aperture in the socket for the passage of said screw.

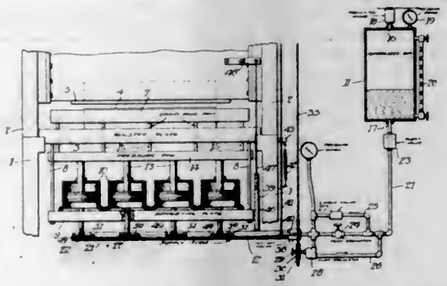
1,503,130. ELECTRICAL APPARATUS FOR AUTOMATICALLY CONTROLLING PEAK DEMANDS. EDWARD TALCOTT MOORE, Syracuse, N. Y. Filed Feb. 14, 1920. Serial No. 358,748. 10 Claims. (Cl. 171—312.)

1. The combination with an electric working circuit including therein an electric meter, of automatic means for controlling the peak demands in said circuit, comprising normally spaced cooperative contacts movable one in relation to the other, electrically operated means controlled by said meter for gradually moving one of the contacts toward the other at a rate of speed proportionate to the speed of the meter and electrically operated means



controlled by said contacts for causing a reduction of the power demands in said circuit in case the contacts should be closed during a predetermined interval of time.

1,503,131. POWER PRESS. JOHN NELSON, Chicago, Ill., assignor to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1922. Serial No. 529,494. 14 Claims. (Cl. 113—46.)

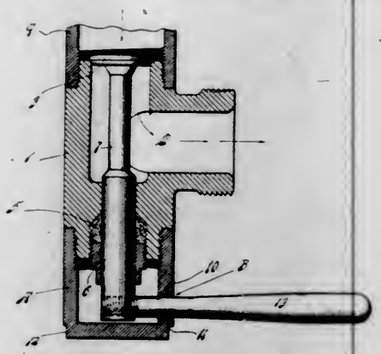


1. In a die press, the combination of a fluid pressure control system including a pressure pad, a controlling valve, means for causing a fluid pressure to be exerted upon said pad, and means for automatically increasing said pressure during the movement of said pad.

1,503,132. VALVE. ERNEST P. PRATOR, Leeper, Mo., assignor of one-third to John T. Fredricks, Leeper, Mo., and one-third to John R. Stephens, St. Louis, Mo. Filed Dec. 12, 1921. Serial No. 521,691. 4 Claims. (Cl. 251—131.)

4. A quick-closing pressure-actuated valve device comprising a valve housing having an angular passageway provided with an annular valve seat at one of its ends, a stuffing box co-axial with said valve seat, a pressure-actuated valve adapted to be closed and held on said seat in response to fluid pressure, a valve stem fixed to said valve and extending through said stuffing box, a tubular member screwed onto said valve housing and surrounding the outer end of said stem, said tubular member having an angular cam slot comprising a horizontal portion and a portion provided with an inclined cam face and a notch in said face, and a valve-opening handle extending through said slot and removably fixed to said valve stem, said handle being movable along said cam face to open the

valve and a portion of said handle being adapted to enter said notch to retain the valve in its open position, said handle being separated from said cam face and free to



oscillate in said horizontal portion of the slot when the valve is held on said seat, so as to grind the valve on the seat.

1,503,133. PROCESS FOR THE PRODUCTION OF A FILTRATION ACCELERATOR. CHARLES F. RITCHIE, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Mar. 26, 1923. Serial No. 627,713. 41 Claims. (Cl. 252—2.)

1. The process of producing a filter-aid which consists in subjecting kieselguhr to repeated calcinations, before using the same as a filter-aid.

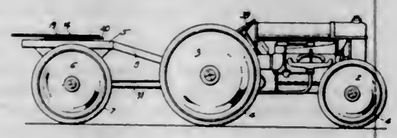
37. As an article of manufacture a filter-aid consisting of kieselguhr which has been repeatedly calcined before use as a filter-aid.

1,503,134. SANITARY HOUSING FOR TOOTH-BRUSHES. THOMAS A. RYAN, Yonkers, N. Y. Filed May 18, 1920. Serial No. 382,269. 1 Claim. (Cl. 266—15.1.)



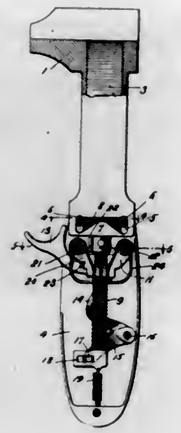
The combination with a tooth brush of a complete housing adapted to swing to and from and encase the brush end of said tooth brush, said housing comprising a casing having an arm pivoted to a clamp adapted to attach to the handle of said brush, an opening formed in the top of one end to receive the handle, and the casing side adjacent to said opening adapted to open and close to enable said casing to swing to and from said brush end.

1,503,135. TRUCK-HAULING ATTACHMENT FOR TRACTORS. WILLIAM H. SARGENT, Clayton, Mo., assignor of one-third to George Rixmann and one-third to Julius Seidel, both of St. Louis, Mo. Filed Jan. 13, 1923. Serial No. 612,546. 7 Claims. (Cl. 280—33.)



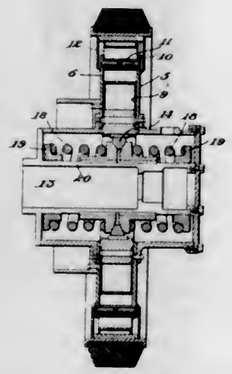
1. In combination with a tractor, an auxiliary two-wheeled body connected thereto, and means on said body adapting it for detachable connection with a semi-trailer.

1,503,136. WRENCH. LOUIS W. SCHAAFF, Hoboken, N. J. Filed May 18, 1921. Serial No. 470,645. 13 Claims. (Cl. 81—129.)



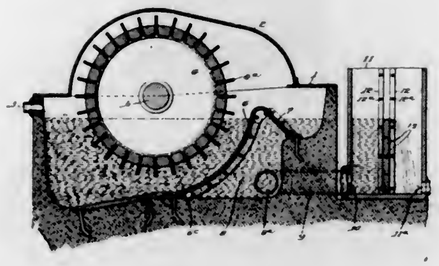
1. A wrench comprising jaws one of which is movable relative to the other, shafts connected with the jaws and having portions co-acting to maintain alignment therebetween, manually-actuated means for imparting relative longitudinal movement to one shaft in one direction, said shaft being so movable to the full extent of its range of movement, spring-actuated means for imparting movement thereto in the other direction, and spring-actuated means operable upon adjustment of the jaws to the object to be turned to lock the jaws against separation.

1,503,137. RESILIENT TRANSMISSION AND BEARING. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Sept. 9, 1919. Serial No. 322,628. 2 Claims. (Cl. 152—45.)



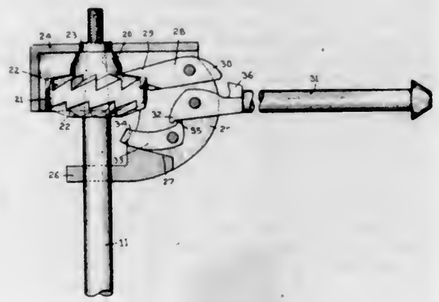
1. In a combined resilient bearing and drive for vehicle wheels, the combination of a hub member, a wheel rim mounted to have limited radial movement thereon, said rim having a plurality of centrally disposed pyramidal shaped members, a pair of sleeves mounted to have axial movement on said hub member, said sleeves having portions provided with relatively angular surfaces cooperable with the angular surfaces of said pyramidal members, and springs normally holding said cooperable angular surfaces in contact to provide the bearing and drive, substantially as set forth.

1,503,138. PROCESS OF PRODUCING PAPER PULP AND APPARATUS THEREFOR. CHARLES W. SHARTLE, Middletown, Ohio, assignor to The Shartle Brothers Machine Company, Middletown, Ohio, a Corporation of Ohio. Filed Oct. 1, 1923. Serial No. 665,756. 5 Claims. (Cl. 92—23.)



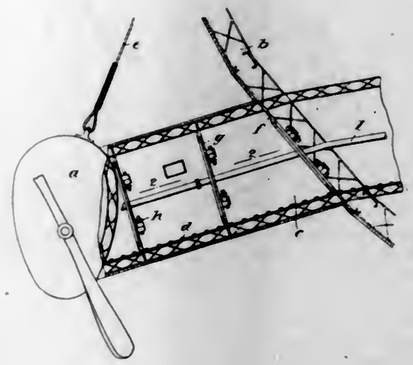
1. In a pulp-making system, the method described of reducing continuously supplied raw stock to a predetermined degree of fineness and drawing off the same as the reduction proceeds, which consists in subjecting it to the action of a breaker which includes a screened discharge chamber arranged to cause a gravity discharge of the reduced stock to and through a receiving vessel which includes in itself adjustable means to automatically maintain the water and raw stock in the breaker at a level with said means so adjusted.

1,503,139. SAFETY REVERSE RATCHET BRAKE. BURL SOOTS, JOHN KLANCHER, HOMER A. MAGRATH, and GEORGE C. VAN BRIMER, Pueblo, Colo. Filed Nov. 22, 1923. Serial No. 676,376. 6 Claims. (Cl. 74—116.)



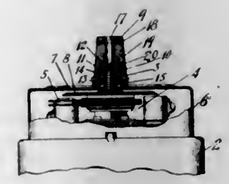
1. In a mechanism for the purpose specified, a rotatable shaft, a bracket rotatably mounted on said shaft, a lever pivoted to the bracket to swing from a position substantially parallel to the shaft into acute angled relation to the shaft, and a pawl and ratchet mechanism associated with the shaft and bracket and operable under the influence of the varying positions of the lever to effect intermittent rotation of the shaft in one direction or the other.

1,503,140. AIRSHIP GONDOLA. KARL STAHL, Friedrichshafen, Germany, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Oct. 26, 1921. Serial No. 510,582. 2 Claims. (Cl. 244—6.)



1. In an airship in combination, an airship body, a gondola projecting and suspended from said body, a passageway or shaft connecting said gondola with said body and bulkheads subdividing said shaft into several compartments.

1,503,141. ELECTRIC SWITCH. CLARENCE C. STIRLING, Hartford, Conn. Filed Jan. 5, 1921. Serial No. 435,061. 1 Claim. (Cl. 200—172.)

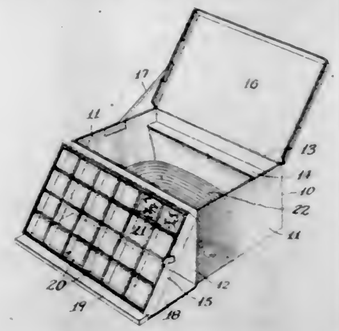


A button for the spindle of an electric switch, provided with a clutch portion in the form of a fin to engage the slot on the switch spindle, and a coiled spring around the spindle acting to yieldingly lock the fin into the slot to prevent backward motion of the button when it is operatively connected with the spindle, said spring acting to permit the button to be freed from the spindle by the retraction and the backward motion of the button.

1,503,142. DISPLAY DEVICE. ABRAHAM SUSSELES, Brooklyn, N. Y. Filed May 24, 1923. Serial No. 641,142. 3 Claims. (Cl. 206—44.)

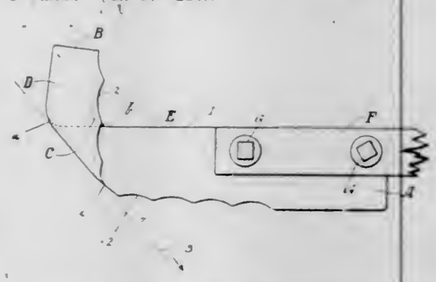
2. A display device of the class described comprising a box-shaped container composed of side and end walls, a supplemental wall forming part of the container and

movable relatively to one of the first named walls of the container, and a tray adapted to be normally contained



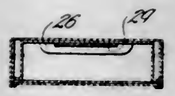
within said container and to be supported in an inclined position with reference to the container by said supplemental wall.

1,503,143. LAWN EDGER. CHARLES A. UPTON, St. Paul, Minn. Filed Oct. 2, 1920. Serial No. 414,264. 1 Claim. (Cl. 97—227.)



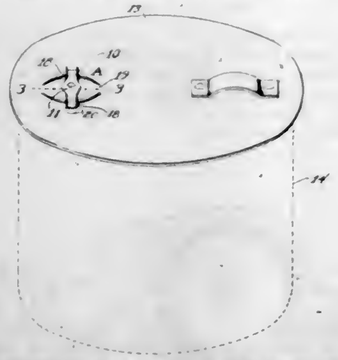
A device of the class described comprising a handle, a flat blade extending endwise from said handle and in line therewith, the free end of said blade at some distance beyond the handle being bent substantially at right angles to extend across and beyond the blade, the inner edge of said bent portion and the continuing straight edge of the straight portion of the blade being formed with regular wave-like serrations to form a cutting edge for the bent portion and to form an opposed cutting edge for the straight portion between the bent portion and handle, the serrations of the bent portion being beveled inwardly toward the handle and the serrations of the straight portion beveled downwardly, and the latter serrations extending in one direction beneath the handle and in the opposite direction merging into the serrations of the bent portion in a transverse and upwardly inclined direction.

1,503,144. DISPENSING CARDCASE. ROGERS M. WARWICK, Eastlake, Fla., assignor of one-half to Dudley W. Lester, Wilmette, Ill. Filed July 13, 1921. Serial No. 484,351. 8 Claims. (Cl. 206—40.)



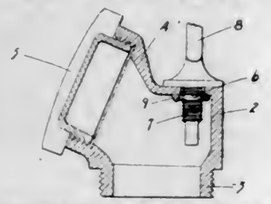
1. In a card case a receptacle open at the top, a card holding receptacle having an open side arranged within said first named receptacle in inverted position, and flanges extending laterally from said card holding receptacle into engagement with said first named receptacle.

1,503,145. VALVE. ROBERT H. WENTORF, West Bend, Wis., assignor to West Bend Aluminum Company, a Corporation of Wisconsin. Filed Aug. 8, 1921. Serial No. 490,748. 9 Claims. (Cl. 251—131.)



1. In combination with the cover of a boiler, having a port therethrough, a bar, a pin carried by said bar and passing through said port, a head carried by said pin, a washer carried by said pin, and cams formed integrally with said cover and in operative relation to said bar.

1,503,146. MOTOR-METER MOUNTING. CARL A. WITT, Los Angeles, Calif. Filed Sept. 15, 1922. Serial No. 588,342. 2 Claims. (Cl. 220—24.)



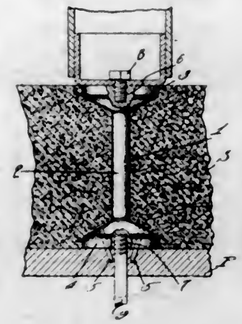
1. A hollow radiator cap member having an externally threaded bottom flange and being provided with an upwardly extending annular mount internally threaded to receive the cap, the said member having behind and below the upper part of the mouth a plane top portion apertured to receive a motor meter.

1,503,147. PAD FOR LAUNDRY AND OTHER MACHINES. WILLIAM A. ZEIDLER, New York, N. Y., assignor to Zeidler Economy Spring Pad Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 18, 1922. Serial No. 544,735. 2 Claims. (Cl. 68—9.)



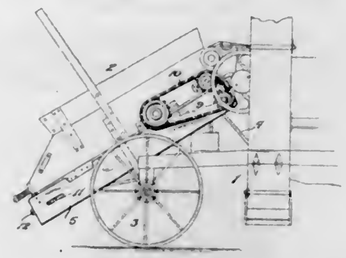
1. In a body for laundry machine pads, a plurality of layers of corrugated wire mesh, the corrugations of adjacent layers crossing each other at an angle and means for securing the layers together.

1,503,148. COMBINED REENFORCE AND LEVELER. HARRY WILLIAM BERNSTROM, Edgewood, R. I. Filed May 3, 1922. Serial No. 558,162. 1 Claim. (Cl. 72—101.)



A combined leveler and reenforce and hanger for concrete structures comprising a shank threaded at its ends and having flat faced heads facing in opposite directions and provided with centrally disposed internally threaded bores extending therethrough, and having threaded engagement with said shank, said bores operating as attaching means for adjustable connection with the shank and to receive anchoring elements.

1,503,149. ATTACHMENT FOR CORN SHELLERS. HARRY B. BINGMAN, Robinson, Kans. Filed June 4, 1923. Serial No. 643,315. 1 Claim. (Cl. 130—7.)

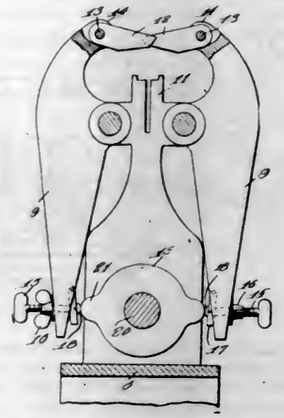


An attachment for corn shellers consisting of a pair of side rails adapted to be supported in an inclined position by the frame of the sheller with their upper edges abutting the lower edges of the feeder of the sheller, shafts mounted transversely in the rails adjacent the ends thereof, the shaft at the upper ends of the rails being extended laterally beyond one rail and equipped with a gear element, operative connections between said element and the driving gearing of the feeder, rollers carried by said shafts adjacent the ends thereof, the lower shaft and rollers being below the lower end of the feeder, belts trained around said rollers, and an endless apron carried by said belts and delivering into the receiving chute of the sheller.

1,503,150. REFRACTORY ARTICLE AND METHOD OF MAKING THE SAME. CLARENCE J. BROCKBANK, Philadelphia, Pa., assignor to Ross-Tacony Crucible Company, a Corporation of Pennsylvania. Filed July 24, 1923. Serial No. 653,570. 5 Claims. (Cl. 25—157.)

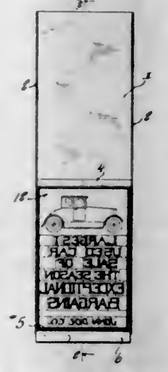
1. A refractory article of graphite and clay vitrified in an atmosphere of hydrocarbon gas and characterized by relatively increased hardness at high temperature and relatively increased refractory properties.

1,503,151. TWO-TOOTH SETTER. LAWRENCE PETER CHRISTIANSEN, Iron Mountain, Mich. Filed June 11, 1923. Serial No. 644,702. 1 Claim. (Cl. 76—62.)



In a saw set, a base, supports extending upwardly from the base, a pair of pivoted arms mounted on the supports, adjustable setting dogs mounted at the upper ends of the arms, adjusting screws disposed at the lower ends of the arms, pivoted roller supports adapted to be engaged by the adjusting screws, and adjusted towards and away from the arms, and a double ended cam engaging the pivoted roller supports to move the arms with respect to each other.

1,503,152. PRINTER'S GALLEY AND METHOD OF ASSEMBLING PRINTERS' MATERIAL. EDMUND PAUL EHRLINGER, Janesville, Wis. Filed July 18, 1923. Serial No. 652,238. 2 Claims. (Cl. 276—40.)

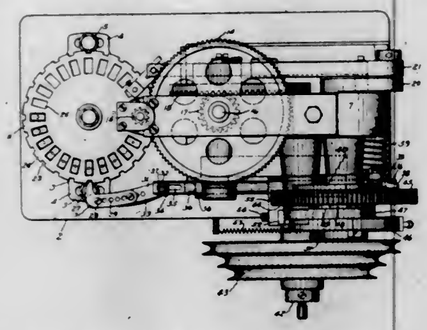


1. A compound printer's galley comprising an outer galley having a bottom, an end and sides, and an inner galley having a bottom and an end, said inner galley being normally slidably mounted within said outer galley.

1,503,153. METAL-WORKING MACHINE. URI D. FOSTER, Hartford, Conn., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 13, 1922. Serial No. 528,926. 9 Claims. (Cl. 10—129.)

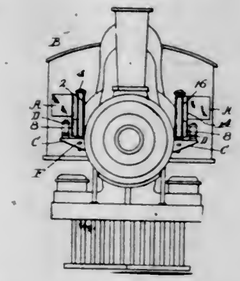
2. A machine of the class described comprising a power-driving member, a driven member to co-operate with the driving member, a work-carrier, a clutching member between the driving and the driven members

and acting normally to automatically couple the same, a work carrier, a reciprocatory actuator operable by the driven member, a latch to engage the clutching member,



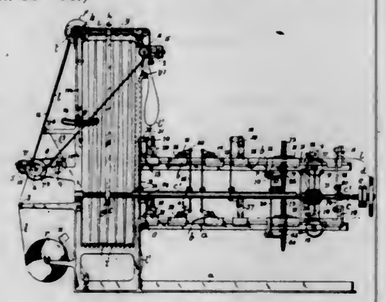
and means associated with the actuator for tripping the latch on each complete movement of the actuator to thus permit the clutching member to couple the driving and the driven members on each said complete movement.

1,503,154. LOCOMOTIVE FLAGSTAFF AND CONTAINER. WILLIAM L. GIBSON, Trenton, Mo. Filed May 3, 1923. Serial No. 636,483. 6 Claims. (Cl. 246—488.)



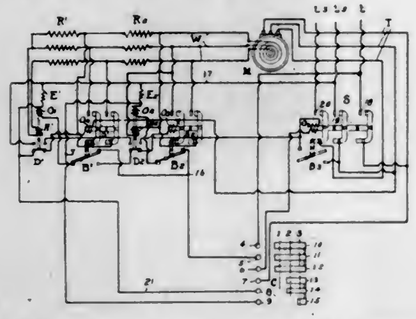
2. In a device of the character described a container adapted to hold one or more flags and their staffs, a lid to said container, and an exterior support on said container for holding a staff in position to display its flag.

1,503,155. MACHINE FOR THE MANUFACTURE OF ENVELOPES. ADRIAN HAAS, Hounslow, England. Filed May 9, 1921. Serial No. 467,882. 10 Claims. (Cl. 93—64.)



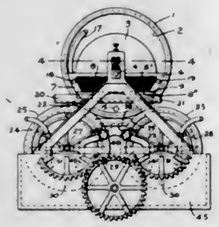
1. In a machine of the character described, means for continuously feeding a web of paper during certain operations in the course of making envelopes, means for intermittently feeding the paper during subsequent operations, and severing devices for dividing the web into strips between the two sets of operations and during continuous movement of the web, substantially as set forth.

1,503,156. MOTOR-CONTROL SYSTEM. JAY H. HALL, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 574,747. 16 Claims. (Cl. 172—179.)



1. In an electric system containing a current-controlling resistance, a circuit containing the resistance, an electromagnetic switch for cutting out the resistance from the circuit, a relay for controlling the switch, a winding independent of said circuit for operating the relay and rendering said switch ineffective, a winding for holding the relay in its operated position, and means for shunting the operating winding to make the said switch effective.

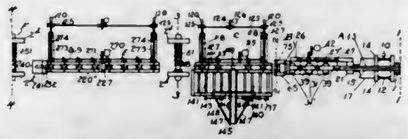
1,503,157. CRUSHER FOR MINERAL ORES. ALEXANDER HALLIDAY, Prince Rupert, British Columbia, Canada. Filed May 31, 1922. Serial No. 564,874. 13 Claims. (Cl. 83—85.)



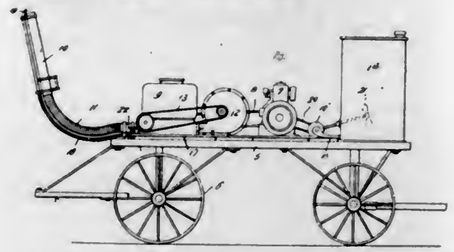
1. In a mineral separator, a pair of rotatably mounted parallel closely-adjacent recovery cylinders, a crushing cylinder mounted between the aforesaid cylinders and having rolling contact therewith to form a second ore crushing means, means within the crushing cylinder for primarily crushing the ore, and means for feeding the ore crushed within the crushing cylinder to between such cylinder and the parallel cylinders.

1,503,158. APPARATUS FOR THE MANUFACTURE OF SEAMLESS STEEL TUBES. JAMES J. HARKINS, Pittsburgh, and OTTO F. ORMAN, McKeesport, Pa., assignors of four-fifths to said Harkins and one-fifth to said Orman. Filed Dec. 2, 1919. Serial No. 341,931. 28 Claims. (Cl. 80—11.)

7. A rolling mill for the production of seamless tubes from pierced shells comprising a series of rolls arranged in tandem, said rolls being provided with grooves of graduated sizes therein for the production of tubes of different diameters, a receiving table for receiving the shells from a piercing mill, a feed table between the receiving table and the first roll of the series, and normally in alinement with the receiving table, means for moving the feed table transversely to the rolls and receiving table to selectively feed the shell into any desired groove in said rolls, means on said feed table for receiving shells when the feed table is moved transversely out of alinement with the receiving table, means between the rolls for receiving the shell from any groove in the preceding roll and feeding it into the corresponding groove of the following one and a run-out table after the last roll of the series.

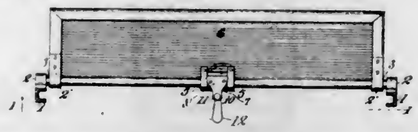


1,503,159. SPRAYING MACHINE. CHARLES E. HAYWOOD, Larkins, Fla. Filed July 30, 1923. Serial No. 654,542. 1 Claim. (Cl. 43—148.)



In a spraying machine, a relatively large air discharge nozzle, means for supplying a large volume of air under low pressure and high velocity through said nozzle, a relatively small liquid discharge nozzle associated with the outlet end of said air nozzle and opening in the path of the air, means for supplying spraying liquid through the second-mentioned nozzle under low pressure, manually controlled means for supplying dust to the air before the latter passes to said nozzle, and manually operable means to render the liquid supplying means operative or inoperative.

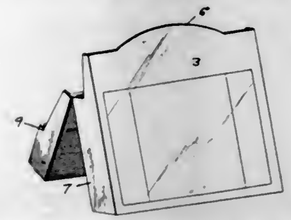
1,503,160. LEVER-OPERATED ADJUSTING MECHANISM. GEORGE N. HEIN, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,181. 5 Claims. (Cl. 296—95.)



1. In combination with a pivotally mounted sunshade, a lever fulcrumed to swing on a vertical axis and provided with a slotted end, and a pin associated with the sunshade and extending angularly therefrom adjacent its line of fulcrum and received within said slot to provide an operating connection between the sunshade and lever.

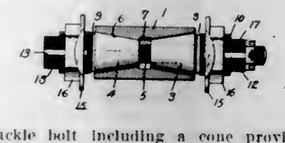
1,503,161. BOX. GEORGE HORNECKER, Elmhurst, N. Y., assignor to L. R. Conwell, Elmhurst, N. Y. Filed Jan. 14, 1924. Serial No. 686,059. 2 Claims. (Cl. 206—44.)

1. A box comprising a body adapted to form a box structure, a score line across one face of the box, cuts extending from such score line across the sides of the box and across the other face, whereby the box may be bent at said score line, and a locking device for holding the portions of the box after folding, in proper relative angular position, the front of the box when the box is in folded angular position being higher than the back scored surface to thereby protect the goods within the box, the front of the box being adapted for advertising



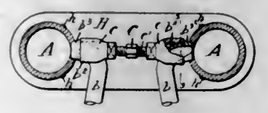
indicia, the goods within the two portions of the box when folded being protected against removal through the front of the box, the front of the box having an opening smaller in size than the units of merchandise within the box, whereby said units are directly displayed to the purchaser but cannot be removed through the front of the box.

1,503,162. SHACKLE BOLT. FRANCIS F. JAMES, Philadelphia, Pa. Filed Dec. 28, 1923. Serial No. 683,158. 3 Claims. (Cl. 64—7.)



1. A shackle bolt including a cone provided at the inner end with an integral threaded shank and cone sleeve interiorly threaded and arranged on the shank, said cone and cone sleeve being provided with exterior annular grooves, means for securing the cone and cone sleeve in their relative adjustment and a cone bushing having opposite inwardly tapered bearing portions receiving the cone and cone sleeve, said bushing having its ends located at the said annular grooves and being provided with an interior centrally arranged groove of greater diameter than the inner ends of its bearing portions, said grooves cooperating to permit free adjustment of the cone sleeve, cone and bushing, by preventing the formation of shoulders.

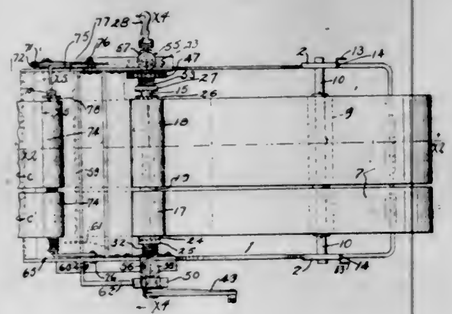
1,503,163. STEAM SUPERHEATER. ALBERT JEAVONS, Wolverhampton, England, assignor to John Thompson (Wolverhampton) Limited, Wolverhampton, England. Original application filed July 7, 1920. Serial No. 394,543. Divided and this application filed Oct. 2, 1923. Serial No. 666,203. 1 Claim. (Cl. 122—460.)



In a superheater the combination with a pair of high pressure and high temperature headers having openings arranged in pairs with the openings of each pair in axial alinement, said openings being acutely tapered; of a superheater section having oppositely disposed outwardly extending terminal portions arranged in axial alinement and tapered to correspond with the header openings, said tapered portions terminating inwardly with a shoulder, a pair of tubular members each having a lateral opening whereby the one end of each member is U-shaped in cross section, said members fitting over the terminal portions of the superheater section and bearing against

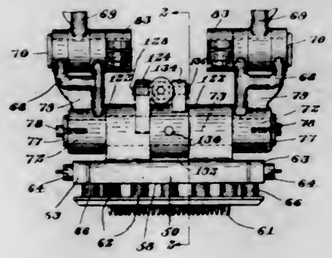
the shoulders thereof, one of said members having a right hand internal thread and the other having a left hand internal thread, a double ended screw having engagement with said internal threads, and turning tool engaging means located centrally of the screw.

1,503,164. TAPE FEEDER, MOISTENER, AND CUTTING APPLIANCE. ADOLPH KEDLER and HENRY ROSENTHAL, Los Angeles, Calif. Filed Feb. 4, 1922. Serial No. 534,094. 7 Claims. (Cl. 91—14.5.)



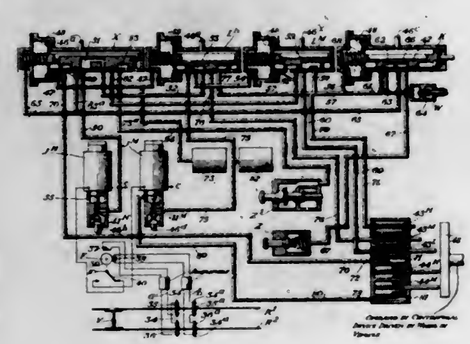
1. The tape appliance set forth comprising a frame; shafts in said frame; a tape cutter in said frame; a long pair of rollers on said shafts for feeding a wide tape toward said cutter; a short pair of rollers on said shafts for feeding a narrow tape toward said cutter, said pairs of rollers loosely mounted on said shafts; and selective means for clutching one or the other of said pairs of rollers into driving engagement with said shafts.

1,503,165. MICROMETRIC CONNECTION. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1922. Serial No. 604,317. 4 Claims. (Cl. 164—106.)



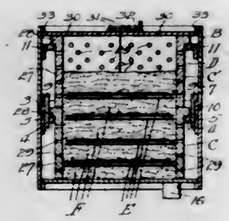
1. In a perforating machine, the combination of a die-carrying plunger, means for operating said plunger, and means for adjusting the relation between said plunger and said operating means; said means comprising a shaft having a main portion and an eccentric portion, said plunger being mounted on one of said portions and said operating means being connected to the other of said portions, an arm fixed to the main portion of said shaft and carrying a threaded member, and an adjusting screw mounted on a fixed part of said plunger and threaded through said threaded member.

1,503,166. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Sept. 11, 1919, Serial No. 323,168. Patent No. 1,419,869, dated June 13, 1922. Divided and this application filed Dec. 16, 1920, Serial No. 431,116. Renewed Nov. 6, 1922. Serial No. 599,443. 9 Claims. (Cl. 246—38.)



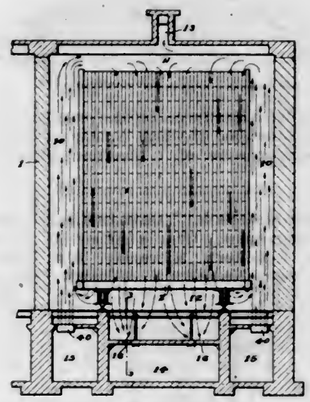
5. Railway traffic controlling apparatus comprising a medium speed valve and a high speed valve carried by the vehicle, means for reversing the medium speed valve upon a change from a more favorable to a less favorable traffic condition, a suppressed application valve also carried by the vehicle and normally occupying an inactive position, manually controllable means on the vehicle for reversing said suppressed application valve, means controlled by said suppressed application valve when in reversed position for preventing reversal of the medium speed valve and causing reversal of the high speed valve when said change of traffic conditions occurs, and means controlled by the two first-mentioned valves for causing certain speed restrictions when the medium speed valve is reversed and less severe speed restrictions when the high speed valve is reversed and the medium speed valve is in normal position.

1,503,167. HOGSHEAD FOR REDRYING, RECURING, AND RESWEATING TOBACCO. JOHN H. MILLS, St. Louis, Mo. Filed Nov. 25, 1921. Serial No. 517,827. 8 Claims. (Cl. 131—6.)



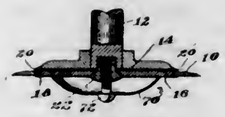
1. A hogshead for redrying, recuring and resweating leaf tobacco comprising a lower hogshead section consisting of two halves hingedly united on one side, an upper hogshead section consisting of two halves hingedly united on one side, a separable perforated tubular lining disposed within the hogshead sections for receiving leaf tobacco to be packed in layers, a perforated spacer between each layer of tobacco, a bottom for the hogshead, a top therefor and means for locking the hogshead in its closed position when treating the tobacco packed therein.

1,503,168. METHOD OF AND APPARATUS FOR KILN-DRYING LUMBER. MORITZ L. MUELLER, Seattle, Wash., assignor to Northwest Blower Kiln Company, Seattle, Wash., a Corporation of Washington. Filed Apr. 21, 1923. Serial No. 633,688. 4 Claims. (Cl. 34—19.)



4. A lumber drying kiln comprising a chamber having a trackway extending lengthwise thereof and adapted to receive lumber carrying trucks, an air-withdrawing flue located between the rails, an air discharging flue at each side of the track, said flues having openings close to the side walls of the kiln for discharging air upwardly, air reheating means and means for withdrawing air from the kiln through said central flue, passing it through the reheating means and discharging it upwards into the kiln from the side flues.

1,503,169. SKIVING MACHINE. CHARLES Q. REYNOLDS, St. Louis, Mo., assignor to Lorenz Muther, Newton, Mass. Filed May 22, 1922. Serial No. 562,624. 3 Claims. (Cl. 69—16.)



1. A skiving machine having, in combination, a cutting disk, means located below said disk for feeding the material to be skived against the cutting edge of said disk and then underneath said disk and a bell-guard mounted on the under side of said disk for deflecting the skived material downwardly and away from the cutting edge of said disk.

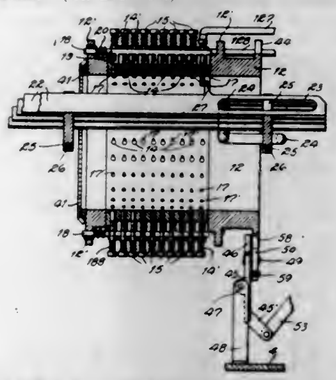
1,503,170. PROPELLER BLADE. JOHN W. SMITH, Philadelphia, Pa. Filed Mar. 16, 1918. Serial No. 222,932. 3 Claims. (Cl. 170—159.)

1. A hollow metallic propeller blade of gradually diminishing thickness from the base to its tip, said blade being longitudinally curved with relation to a plane radial to its axis of rotation and having the metal of its wall at successive cross sections symmetrically disposed to afford a continuously symmetrical median line of gravity which departs angularly from a plane radial to the axis of rotation, the direction of departure being similar to that in which the axial air thrust is exerted, and the extent of departure being such that at a predetermined



normal rate of rotation, the axial component of centrifugal force shall substantially counterbalance the axial air thrust.

1,503,171. ADDING MACHINE. HAROLD S. STINSON, St. Louis, Mo. Filed Nov. 6, 1922. Serial No. 599,414. 25 Claims. (Cl. 235—63.)



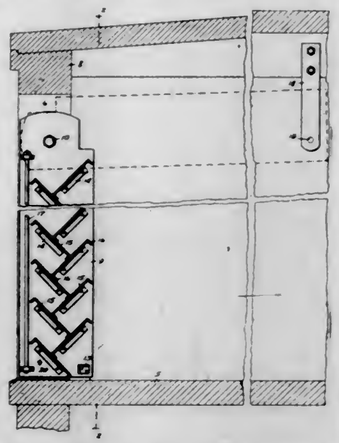
1. A calculating-machine having a revoluble cylindrical stop-carriage and means in said carriage to visibly indicate the value of the set stops before any record is made.

1,503,172. INTERMEDIATE PRODUCT AND PROCESS FOR THE MANUFACTURE OF THE SAME. FRITZ STRAUB, Basel, and HERMANN SCHNEIDER, Riehen, near Basel, Switzerland, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 18, 1923. Serial No. 669,403. 4 Claims. (Cl. 260—158.)

3. The herein described process for the manufacture of 1-oxynaphthalene-8-sulfamide, consisting in causing ammonia in a concentrated form to react for a long time on 1.8-naphthsultone, avoiding higher temperatures, and then separating the 1-oxynaphthalene-8-sulfamide from the reaction mixture due to its solubility in alkalies and acids.

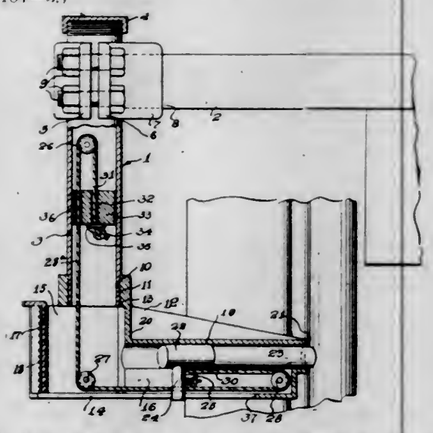
4. As a new product the herein described new intermediate product, the 1-oxynaphthalene-8-sulfamide, forming a nearly colorless powder which in contrast with 1.8-naphthsultone is easily soluble in dilute caustic soda solution and in concentrated aqueous ammonia, which is precipitated from such solutions by action of dilute acid, and which is somewhat sparingly soluble in organic solvents like acetone, ethyl alcohol, and methyl alcohol, melting, when crystallized from the last-named solvents, at 222° C. with decomposition.

1,503,173. GRAIN-CAR DOOR. PHILIP EPHREIN TUFTS, Delisle, Saskatchewan, Canada, assignor to George Alexander Ferguson, Saskatoon, Saskatchewan, Canada. Filed Jan. 31, 1923. Serial No. 616,141. 10 Claims. (Cl. 20—27.)



1. In a door for grain cars, a frame, and a plurality of separable sections forming the body of the door supported in said frame, the intermediate portion of each of said sections forming a support for a next adjacent section.

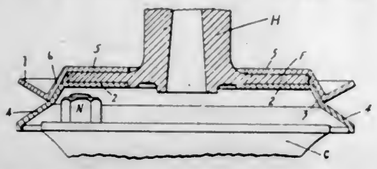
1,503,174. FLANGE LUBRICATOR. LOUIS N. VINCENT, Seattle, Wash., assignor to Imperial Steam Appliance Company, Seattle, Wash., a Corporation. Filed Dec. 13, 1922. Serial No. 606,719. 8 Claims. (Cl. 184—3.)



2. In a flange lubricator for wheels, a casing provided with a chamber, a tube, and a second chamber between said first mentioned chamber and tube, a lubricant stick carrier slidably mounted in the mentioned chamber and provided with a lug and a lubricant stick, a weight slidably mounted in said tube and means operatively connecting said weight with said lug whereby the said lubricant stick carrier and weight are caused to move simultaneously.

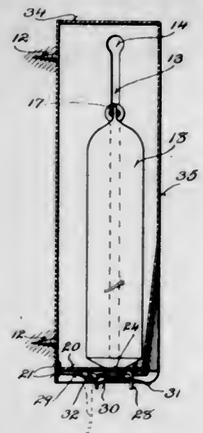
1,503,175. BRAKE DRUM OR THE LIKE. HERBERT A. WALKER, Fullerton, Calif., assignor to Frederick W. Smith, Whittier, Calif. Filed Sept. 8, 1922. Serial No. 586,854. 5 Claims. (Cl. 188—218.)

3. A braking drum device adapted for attachment to given types of standard wheel hubs having flanges, comprising a pair of rigidly united divergent braking rims forming a substantially V-shaped brake shoe groove, and means extending inwardly from said rims whereby the device may be securely attached to the said hub flange,



the rims having laterally deflected overlapping shoulder portions, the inner one of which is adapted to clear contiguous fastening nuts of a machine when mounted thereon.

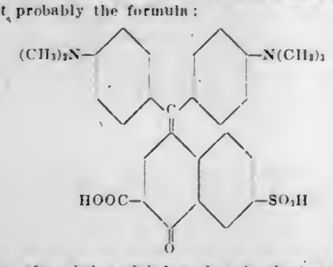
1,503,176. COLLAPSIBLE-TUBE HOLDER. JAMES H. WARING, Milwaukee, Wis., assignor of one-half to George E. Zirkelbach, Milwaukee, Wis. Filed Sept. 18, 1922. Serial No. 588,915. 2 Claims. (Cl. 220—1.)



1. In a device of the class described, the combination of a casing having a rear wall and side walls rigid with said rear wall, and a bottom, said casing being provided with a plurality of pairs of ears retaining said bottom slidably in position.

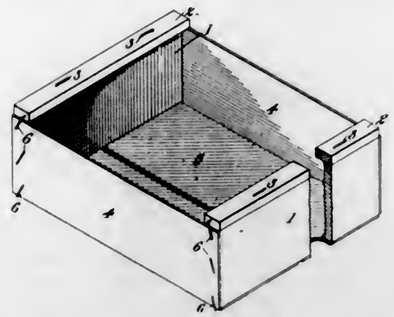
1,503,177. TRIARYLMETHANE DYE. MAX WEILER, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Mar. 19, 1924. Serial No. 700,368. 2 Claims. (Cl. 200—68.)

2. The herein described new triarylmethane dye having most probably the formula:



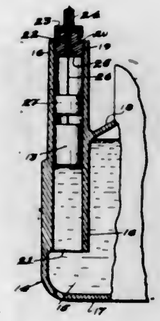
which is after being dried and pulverized a greenish crystalline powder difficultly soluble in water and easily soluble in caustic soda lye and sodium carbonate with a blue coloration, dyeing wool from acid bath and wool chromed or aftertreated with chrome a pure bluish-red shade, substantially as described.

1,503,178. LOCK-JOINT RECEPTACLE. GEORGE X. WENDLING, San Francisco, Calif. Filed Mar. 27, 1923. Serial No. 628,009. 1 Claim. (Cl. 217—171.)



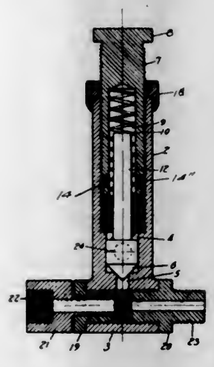
1. A lug box, including a pair of ends of relatively thick material, side and bottom walls of substantially thin veneer material, lugs mounted on the upper edges of the ends and having overhanging portions extending inwardly of the box, and staples securing said side and bottom walls to said ends having the bridles arranged in inclined relation with respect to the ends of the box to position the ends of said staples out of line with the grain of the wood to prevent splitting of said ends, certain of said staples having one leg embedded in the box end, the bridles extending beyond the free upper edges of the sides in inclined relation to said ends and the other legs embedded in the overhanging portions of said lugs, for preventing splitting of the box ends and the upper free edges of the sides and for reenforcing the connection of the lugs with the box ends.

1,503,179. OIL GAUGE FOR CRANK CASES. LINCOLN L. WHITSON, Van Nuys, Calif., assignor of one-fourth to Hazel L. Harding and George A. Harding, both of Van Nuys, Calif. Filed Oct. 11, 1920. Serial No. 415,959. 1 Claim. (Cl. 73—82.)



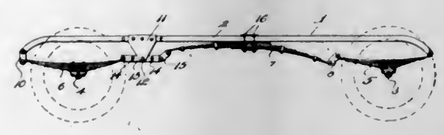
An oil gauge for crank cases comprising the combination with an engine crank case and an instrument board, of a vertical casing forming a float chamber communicating with the bottom of the chamber of the crank case, a plug closing the upper end of the casing and having a bore, a tube connected to the plug, a housing mounted upon the instrument board and connected to the tube, a main float and a reserve float in the float chamber, a wire connected to the main float and passing upwardly through the reserve float and connected to the reserve float and passing through the tube, an indicator wheel rotatably mounted in the housing and adjustably connected to the wire, and a spring connected to the indicator wheel to wind up the connection when the floats go up under the influence of oil in the crank case and adapted to yield under the weight of the floats when the oil goes down in the crank case.

1,503,180. SAFETY PRESSURE DEVICE. FRED WINDISH, Hartford, Conn., assignor of one-half to Martin Rudzik, Hartford, Conn. Filed Dec. 4, 1923. Serial No. 678,414. 1 Claim. (Cl. 152—11.5.)



A body portion having a longitudinally extending bore and also having a lateral outlet furnished with a threaded bushing, a plug in the body portion, a valve in the bore, for controlling the outlet and having a stem extending into said bore, a spring around the stem bearing at its ends against the valve and against the plug, the body having a longitudinal slot, a scale on the body extending longitudinally of the slot, the plug having an annular groove at its end, and an annular member fitted in the annular groove and furnished with an extension projecting through said slot, the body having a scale and the extension having a pointer to traverse said scale.

1,503,181. AUTOMOBILE SPRING. THOMAS N. WINTER, Delaware, Ohio. Filed Sept. 25, 1922. Serial No. 590,397. 3 Claims. (Cl. 267—46.)

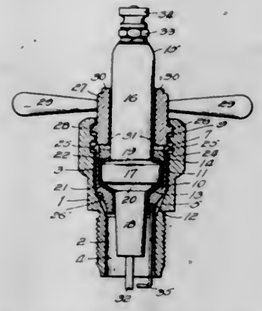


1. The combination with a vehicle frame and its associated front and rear axles, of springs supported upon the axles and having their outer ends pivotally connected with the sills of the frame, central springs fixed to the frames, the leaves of the central springs being overlapped capable of relative adjustment longitudinally, said central springs being pivotally connected with the adjacent ends of the axle supported springs.

1,503,182. SPARK PLUG. ROLAND T. WRIGHT, St. Louis, Mo., assignor to Wright-Buncher Mfg. Co., St. Louis, Mo., a Common Law Trust. Filed Aug. 30, 1923. Serial No. 660,086. 3 Claims. (Cl. 123—169.)

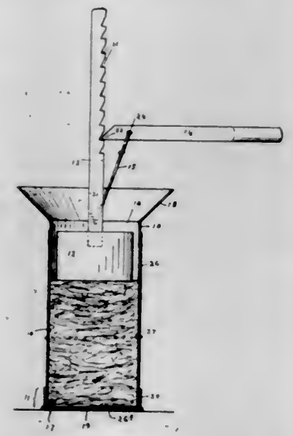
1. In a spark plug construction, an outer shell having an internal shoulder provided with a ground surface, said shell having an internal groove and a pair of opposed inclined lock grooves, an inner shell having a ground curved circumferential shoulder for contact with

the ground surface of the internal shoulder of the outer shell, an insulator carried by the inner shell, an electrode carried by the



inner shell and means for locking the inner shell within the outer shell for forming a tight joint between the inner shell and the outer shell.

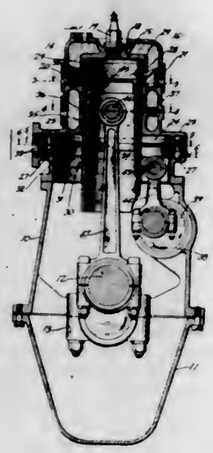
1,503,183. BALER. PRENTISS BAILEY, New Hartford, N. Y. Filed Nov. 14, 1918. Serial No. 262,451. 3 Claims. (Cl. 100—4.)



1. In a portable hand-operated device for baling waste paper and enclosing the same within a wrapper formed from a plain sheet of paper, the combination of a tubular receptacle open above to receive the loose paper to be baled and open below for the full size of the receptacle to remove the compressed material therethrough, said receptacle being adapted to have a sheet of paper wrapped thereabout with the lower part of the paper turned in across the bottom of the receptacle, a plunger having an upstanding handle for compressing the paper and means connected to said receptacle and adapted to engage said plunger handle and force the baled paper together with its wrapper downwardly free from said receptacle.

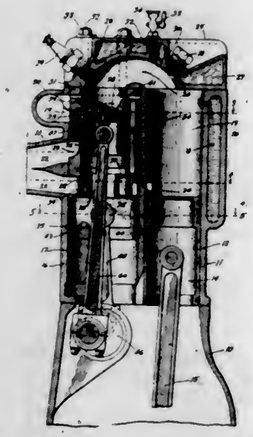
1,503,184. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Apr. 11, 1921. Serial No. 460,308. 2 Claims. (Cl. 123—75.)

1. In an internal combustion engine, a cylinder of two diameters having a combustion chamber and a compression chamber, exhaust ports formed in the combustion chamber, intake ports formed in the compression chamber, a valve sleeve slidable in the combustion chamber and controlling said exhaust ports, a piston fixed to the valve sleeve between the ends of the latter and working



within the compression chamber to control the intake ports, said valve sleeve being formed with ports for effecting communication between the combustion chamber and the compression chamber, and a piston working within the valve sleeve.

1,503,185. PISTON-VALVE STRUCTURE FOR INTERNAL-COMBUSTION ENGINES. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 3, 1922. Serial No. 533,852. 1 Claim. (Cl. 123—188.)



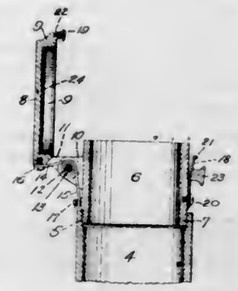
In an internal combustion engine, a manifold selector having upper and lower portions of different internal diameters, a pair of horizontal partitions spaced apart to form an annular chamber, and arcuate passageways extending from the outer wall of the manifold selector upwardly to the inner wall thereof.

1,503,186. ROTARY KILN. JOHAN S. FASTING, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 8, 1923. Serial No. 661,620. 1 Claim. (Cl. 222—7.)



A rotary kiln formed of a series of tubular sections of successively reduced diameters with the section of maximum diameter between the ends of the kiln and the successive sections toward each end of the kiln of successively reduced diameters and secured within the next adjacent section at one side.

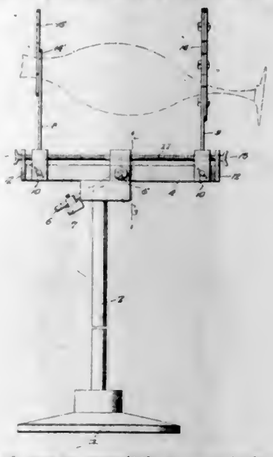
1,503,187. RADIATOR CAP FOR WATER-COOLED AUTOMOBILE ENGINES. FRANK FITCHETT, Cincinnati, Ohio. Filed July 30, 1921. Serial No. 488,725. 1 Claim. (Cl. 220—55.)



A radiator closure-cap for the inlet-orifice of water-cooled automobile engines, such cap comprising an outwardly-extending tubular or cylindrical member adapted to be directly held or secured in said orifice, a pair of hinge-lugs provided on said tubular-member, a resilient catch-member having a push-button thereon and mounted on said tubular-member diametrically opposite the position of said hinge-lugs, an inwardly-flanged lid or closure-proper having a pair of hinge-lugs mounted on its periphery and registering with the said hinge-lugs on the tubular-member, a horizontal pin pivotally-connecting the said registering sets of hinge-lugs, a spiral spring mounted on the said horizontal pin and with its opposite ends in contact with the lid flange and the face of the said tubular-member, respectively, and adapted to automatically cause the outward opening or raising of said lid from closing or seating engagement with the upper edge of said tubular-member, a gasket within the lid, and an adjustable screw engaging said lid flange at a point diametrically opposite said hinge-lugs thereof and adapted to hold the lid in locked and releasable engagement with the said catch-member on the said tubular-member, substantially as shown and described.

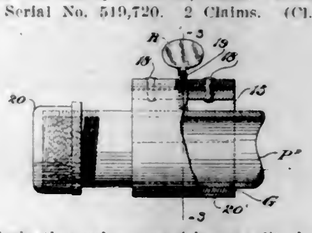
1,503,188. CATCHING-OFF MACHINE. PIERRE HOROUX, Rochester, Pa. Filed June 20, 1923. Serial No. 646,690. 2 Claims. (Cl. 49—14.)

1. A device of the class described comprising a supporting stand, a frame tiltably supported thereon, an adjustable weight for balancing the frame in a horizontal position, a pair of holders adjustably arranged on



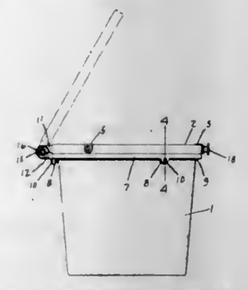
the frame and means permitting one of the holders to be opened to admit the top of the goblet.

1,503,189. VALVE FOR IRRIGATING APPARATUS. CHARLES H. KAUP, Whittier, Calif. Filed Dec. 3, 1921. Serial No. 519,720. 2 Claims. (Cl. 251—8.)



2. An irrigating valve comprising a split sleeve whose ends are interlockingly folded above and secured to a bar and which is adapted to slide on a pipe to control a port therein, a gasket carried by the sleeve and movable therewith, and a set screw extending through said bar and adapted for securing the sleeve against movement on the pipe and forcing the gasket into tight engagement with the pipe to effect a non-leakable closing of said port.

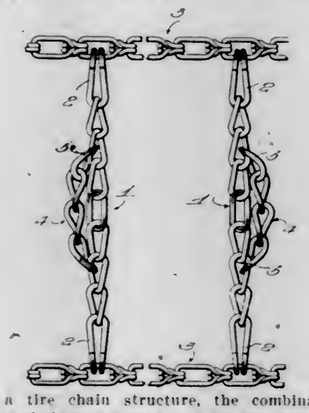
1,503,190. SANITARY COVER. JULIUS KIM, Pittsburgh, Pa., assignor, by direct and mesne assignments, to Inland Manufacturing Company, Inc., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 6, 1922. Serial No. 550,115. 4 Claims. (Cl. 220—32.)



1. In a cover device for receptacles, a frame, a cover fitting over said frame, ears attached to said frame and cover, means for pivotally connecting the ears together,

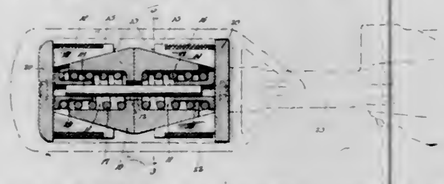
and means for setting up continuing frictional engagement between said ears while the cover is being raised to open position.

1,503,191. AUTOMOBILE TREAD CHAIN. HALMER C. KITTELSON, Fargo, N. Dak., assignor to Standard Chain Company, Inc., of the State of Minnesota. Filed Apr. 9, 1923. Serial No. 630,937. 2 Claims. (Cl. 152—14.)



1. In a tire chain structure, the combination of a main cross chain to extend across the tread of a tire, and a relatively short and slack supplemental cross chain disposed alongside the intermediate portion of said main chain and having its ends directly connected to links of said main chain in spaced relation to the ends thereof, said supplemental chain being adapted to lap under said main chain and offer double resistance to wheel spinning in soft earth, snow, etc.

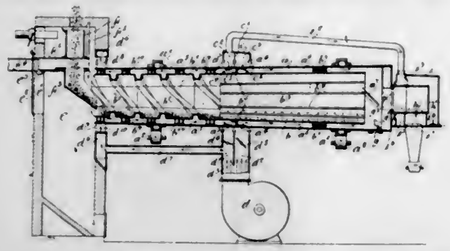
1,503,192. DRAFT GEAR. GEORGE H. LANGTON, Princeton, W. Va. Filed Oct. 31, 1921. Serial No. 511,577. 2 Claims. (Cl. 213—22.)



1. A draft gear for car couplings comprising a pair of conic frustums mounted with their bases together and provided with central sockets and registering central apertures through their bases, a buffer rod of a length slightly greater than the added length of the conic frustums, thimbles having axial bores, said rod being slidably mounted in said bores and said apertures, compression springs in said sockets surrounding said thimbles and abutting with their ends against the same and said bases respectively, a follower for each thimble contacting with the outer face of the thimble, a series of shoes surrounding the tapering surfaces of each conic frustum and provided with shoulders at their inner ends, springs surrounding each series of shoes tending to press the shoes tightly against the conic frustums, said springs being confined between said shoulders and said followers and engaging the external surfaces of the shoes.

1,503,193. ROTARY COOLER FOR CEMENT CLINKERS, ETC. POUL T. LINDHARD, Brooklyn, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Jan. 6, 1923. Serial No. 610,996. 13 Claims. (Cl. 34—6.)

1. In a rotary cooler, the combination of an outer supporting shell, an inner shell separated therefrom by an annular space, and supported thereby, the inner shell being free at its discharge end from the outer shell, means to discharge the cooled material from the outer

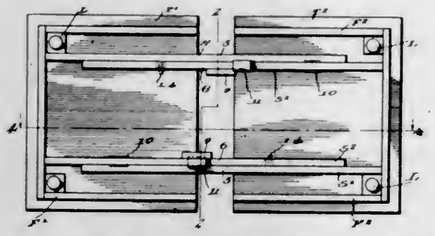


shell, and means to supply cooling air to the annular space between the inner shell and the outer shell at the end opposite the discharge end.

1,503,194. MORDANT DYESTUFFS AND PROCESS OF MAKING SAME. THÉODORE LOMBARD, Basel, Switzerland, assignor to the Firm, Durand & Huguenin S. A., Basel, Switzerland. Filed May 7, 1923. Serial No. 637,353. 10 Claims. (Cl. 260—56.)

9. As new articles of manufacture, the herein described mordant dyestuffs resulting from the condensation, in concentrated sulfuric acid, of a quinone-dianilido-compound obtained from chlorinated benzoquinone and an amino-salicylic acid body and dyeing the fibre of very fast, dark violet-blue tints, having their tinctorial properties intensified by introduction of nitro groups and being soluble in water in form of alkali salts.

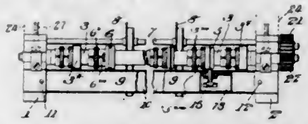
1,503,195. TABLE. CLIFFORD O. LOWE, Sweetgrass County, Mont. Filed Dec. 29, 1922. Serial No. 609,693. 1 Claim. (Cl. 45—115.)



An extension table comprising a top consisting of two complementary sections movably supported to lie in the same horizontal plane, and a plurality of sets of cooperative slide elements connecting the two top sections, each set comprising a slide bar having a portion thereof secured in underlying relation to one of the top sections so that the remaining portion thereof extends beyond the said one top section and a cooperative slide bar having a portion secured in underlying relation to the second top section and an extending portion adapted to slide in contact with the first slide bar, one of said slide bars having a longitudinal slot therein in open communication at its outer end with a relatively large opening and the other slide bar having a substantially U-shaped guiding and retaining member arranged with one arm and the web portion thereof extending laterally of the second slide bar adjacent to the end of the extending portion of the latter and in position to be moved through the opening at the end of the slot in the first slide bar into position to slide along the slot in engagement with the more remote of the side walls of the first slide bar, and an inverted U-shaped guiding and retaining member carried by the second slide bar at an appreciable distance from the end of the extending portion thereof and in position to slidingly embrace the lower edge portion of

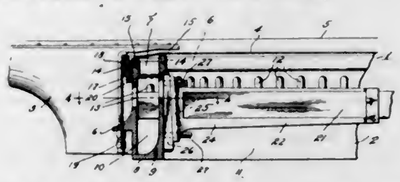
the first slide bar, and a cleat connecting the portions of the first slide which respectively extend above and below the slot, said cleat having a portion of the inner wall thereof cut away to afford clearance for the proximate portions of said guiding and retaining members.

1,503,196. RULING MACHINE. GEORGE F. MCADAMS, Brooklyn, N. Y. Filed Jan. 13, 1922. Serial No. 528,950. 6 Claims. (Cl. 33—37.)



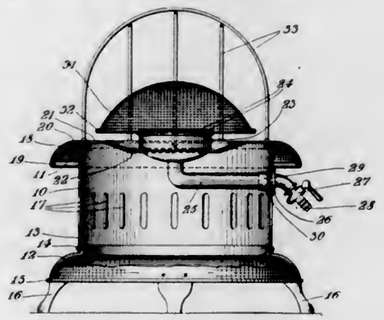
1. In a ruling machine, the main ruling head, and an auxiliary ruling head comprising upper and lower shafts, said auxiliary ruling head being operatively connected with the main ruling head, ruling discs and their impression rollers mounted on said shafts and adjustable laterally with respect to the main head ruling discs to bring the additional lines into the required positions relative to the main ruled lines.

1,503,197. MUSICAL INSTRUMENT. CLARENCE MCDANIEL, Columbus, Ohio. Filed June 10, 1921. Serial No. 476,614. 2 Claims. (Cl. 84—269.)



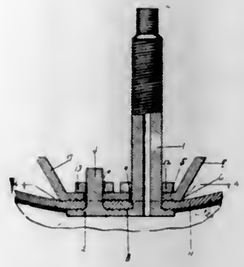
2. A musical instrument comprising a body portion, composed of a pair of concentrically disposed inner and outer rings, a flange uniting the lower edges of said rings, a second flange projecting from said outer ring, a head arranged to be tautly connected with each of said rings, fastening devices cooperative with said flanges for stretching said head, and a bridge device situated between said heads.

1,503,198. GAS STOVE. OTHMAR MAJCEN, New York, N. Y. Filed Nov. 28, 1923. Serial No. 677,359. 2 Claims. (Cl. 126—85.)



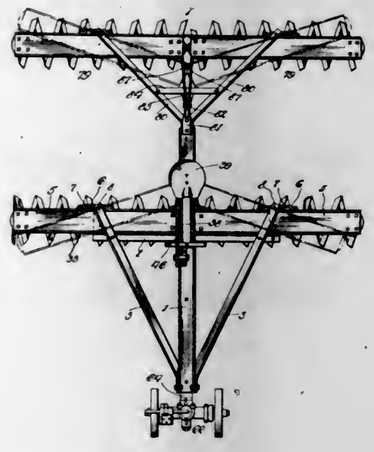
1. A gas heater comprising a casing open at the bottom and sides to the atmosphere, a cover extended over said casing, a burner head projecting through said cover, said head having a plurality of raised nipples, a feed pipe for said head, said pipe having a valve, controllable means for the inlet of air to said feed pipe, a foraminous hood disposed over said head, and a guard device fixed to said cover over said hood.

1,503,199. MEANS FOR REMOVABLY CLAMPING VALVES TO PNEUMATIC TUBES OR THE LIKE. ROYAL E. MARTIN, Mansfield, Ohio. Filed Nov. 7, 1923. Serial No. 673,235. 6 Claims. (Cl. 152—12.)



6. In a clamping mechanism for pneumatic tubes, comprising a valve member having an elongated base and threaded boss; said inner tube being provided with apertures spaced apart from each other and intersected by a slit whereby the valve member can be inserted from the outside into the inner tube and a clamping means adapted to clamp a portion of an interposed tube therebetween, as and for the purpose described.

1,503,200. HARROW. CHARLES F. MATZ, Dubuque, Iowa. Original application filed Oct. 11, 1921, Serial No. 506,949. Divided and this application filed May 25, 1922. Serial No. 563,549. 3 Claims. (Cl. 97—219.)

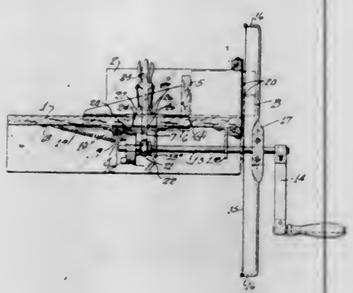


1. A spiral harrow comprising a spiral blade, an axle and spokes, the outer ends of the spokes being disposed obliquely to conform to the shape of the blade and secured thereto and the inner ends of the spokes being formed into split hubs adapted to encircle the axle and be clamped thereto.

1,503,201. BUTTER-SLICING MACHINE. JOSEPH KISS MEYER, St. Louis, Mo., assignor of one-third to David Pell and one-third to Fred Siegenthaler, both of St. Louis, Mo. Filed Nov. 2, 1922. Serial No. 598,668. 3 Claims. (Cl. 31—24.)

1. A butter-slicing machine comprising a butter-way, in combination with cutting-means for slicing the butter,

a ram for feeding the butter in the way to the cutting-means, and means for feedingly actuating the ram, said

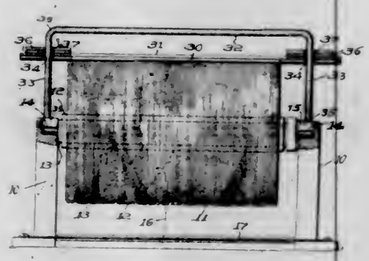


actuating means including a rack on the ram, a pivoted bar adapted for tooth engagement with the rack, and a rotary cam-wheel adapted for pivotally shifting the bar.

1,503,202. METHOD OF PREVENTING THE NATURAL DETERIORATION OF BAGASSE FIBERS. TREADWAY B. MUNROE, New Orleans, La., assignor to C. F. Dahlberg, Minneapolis, Minn. Filed Aug. 12, 1921. Serial No. 491,749. 6 Claims. (Cl. 92—3.)

5. A compacted mass of bagasse fibers suitable for pulp making purposes having a substantially air impervious layer on its outside and a fermentation retarding compound on its interior, substantially as described.

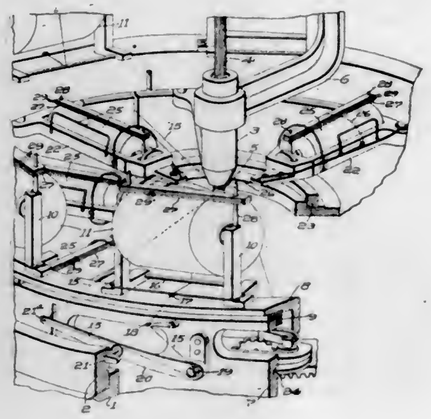
1,503,203. TENSION DEVICE. DANIEL H. MURPHY, West Hartford, Conn., assignor to American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed July 31, 1923. Serial No. 654,818. 7 Claims. (Cl. 96—13.)



1. In a braiding machine, the combination of a thread mass supported for rotation about a horizontal axis to unwind the yarn or thread, a gravity tension bar extending longitudinally of and resting upon the upper face of the yarn or thread mass to retard the rotation of the mass, and guides at the opposite ends of the tension bar and having sliding engagement with the bar to retain it in place against lateral displacement while permitting it to follow the gradually diminishing thread mass.

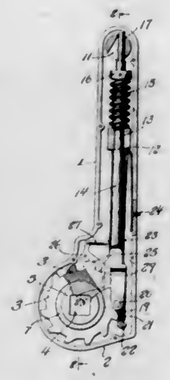
1,503,204. TENSION DEVICE. DANIEL H. MURPHY, West Hartford, Conn., assignor to American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 12, 1923. Serial No. 668,083. 5 Claims. (Cl. 96—13.)

1. In a braiding machine, the combination of a thread mass supported for rotation about a horizontal axis to unwind the thread, a tension bar resting upon the thread mass to retard rotation of the mass, weights resting upon the tension bar to increase its retarding effect, and



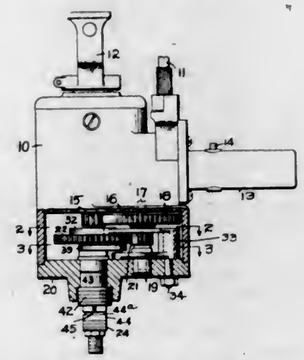
means for relieving the tension bar from the action of the different weights as the diameter of the thread mass decreases.

1,503,205. SAFETY CRANK. EDWARD E. NELDNER and VINCENT NELDNER, Milwaukee, Wis. Filed May 3, 1923. Serial No. 636,291. 2 Claims. (Cl. 123—185.)



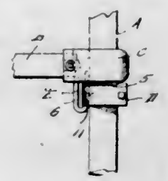
2. A safety crank for internal combustion engines comprising a casing having a revolubly mounted handle adjacent one end, a ratchet wheel carried by said casing adjacent the other end and adapted to engage the shaft of the internal combustion engine, a bearing pivotally mounted intermediate the ends of said casing, a bar slidably carried by said bearing, a helical compression spring surrounding said bar and attached thereto at one end and seating at its other end against said bearing, a projection carried by said bar for engaging said ratchet wheel to temporarily lock it relatively to said casing, cam means for disengaging said projection when said arm is moved against the action of said spring, a trip lever associated with said ratchet wheel and adapted to press against said bar when said ratchet wheel is reversely rotated to thereby disconnect said projection from said ratchet wheel, and means operated by said revolubly mounted handle for rocking said bar to move said projection from said ratchet wheel.

1,503,206. COMBINATION VALVE GRINDER AND DRILL. ARTHUR W. OJERHOLM, Worcester, Mass., assignor, by mesne assignments, to Worcester Electric Tool Company, a Corporation of Massachusetts. Filed Nov. 29, 1920, Serial No. 426,993. Renewed Dec. 21, 1923. 7 Claims. (Cl. 29—26.)



1. In a combination drill and valve grinder, the combination with a motor and a driving spindle, of a gear on the driving spindle, means for transmitting power to the gear at a reduced speed but in a constant direction, a connecting member mounted closely adjacent to said means projecting between the parts of said power transmitting means and connected to the gear to be oscillated thereby, and a hollow spindle connected with said connecting member to be oscillated thereby, said hollow spindle having means by which a valve grinder chuck can be secured thereto, the first named spindle having means by which a drill chuck can be secured to it.

1,503,207. POWER STRAP. ROBERT T. POWERS, Sr., North Oxford, Mass. Filed Apr. 16, 1923. Serial No. 632,483. 4 Claims. (Cl. 139—154.)



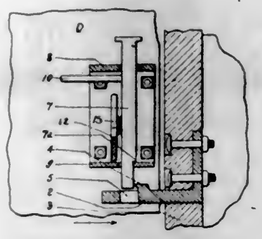
1. In combination, a picker stick, a sweep stick, a lug strap carried by the sweep stick receiving the picker stick, a supporting collar mounted upon the picker stick for supporting the lug strap, and a supporting hook connected with the sweep stick and receiving said collar.

1,503,208. PACKING OR FILLING BODY FOR FILTERS. HEINRICH PRYM, Stolberg, Rheinland, Germany. Filed Sept. 7, 1922. Serial No. 586,670. 3 Claims. (Cl. 261—95.)



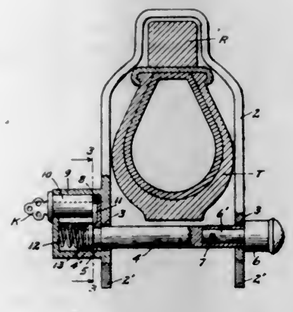
3. As an improved article of manufacture, a packing body for filters, of semi-cylindrical contour, open at opposite ends and having reinforcing portions at one edge of the flat side and having an integral partition extending within said body.

1,503,209. LATCH LOCK. BEN REES, Anaheim, Calif. Filed Dec. 29, 1922. Serial No. 609,690. 5 Claims (Cl. 292—332.)



1. A locking mechanism including a keeper element adapted to be fastened to one primary part and having a bolt hole and a bolt tripping lug, a bolt adapted to be slidably mounted on another primary part, a support upon which the bolt is slidably mounted and is adapted to be set in a position to be tripped by said lug when engaging the same, and a lockable lever extending through the primary part upon which the bolt is mounted whereby the bolt may be released from the keeper from the outside, said bolt being operable from within when said lever is locked.

1,503,210. AUTO LOCK AND TRACTION DEVICE. S. Q. SHANNON, Los Angeles, Calif., assignor to Donald R. Morrison, Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,590. 2 Claims. (Cl. 70—90.)



1. A "theft-signal" device for vehicle wheels, comprising a yoke-like frame applicable to a rim and tire, a bolt slidable across the tire into position in the ends of the frame arms, one arm having a lock case into which said bolt projects, locking means in said case, and an ejector in said case for clearing the released bolt.

1,503,211. PLASTER BOARD HAVING HARD AND SOFT PORTIONS. JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Mar. 26, 1920. Serial No. 368,994. 5 Claims. (Cl. 154—44.)

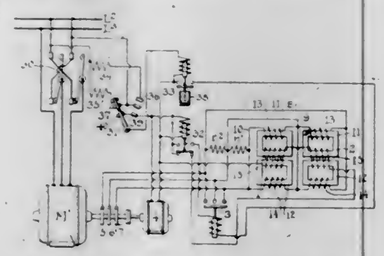
1. The herein described heat insulating plaster board comprising a relatively unyielding hard and strong layer of bagasse fibres interlaced with a relatively soft and yielding layer of bagasse fibres, all said fibres being associated with their natural pith; and a layer of plaster attached to said board, substantially as described.

1,503,212. ADVERTISING DISPLAY SIGN. NORVIN J. STEINAU, Louisville, Ky. Filed Jan. 9, 1922. Serial No. 527,826. 1 Claim. (Cl. 40—2.)



As a new article of manufacture, an advertising display sign for use in conjunction with the surface of a window or the like, said sign being provided with letters or other symbols, and said sign comprising a blank of material having its peripheral portion cut to the desired contour to establish the peripheries of the lower portions of the symbols and to establish the peripheries of the upper portions of the symbols, the body portion of each symbol being upset or embossed, the peripheral portion of each symbol and a portion of the central portion of the body of the sign being flat and adapted to lie in flush manner against the surface of the window, said flattened portions being of a dark color, and the upset portions of the symbols being of a brightly contrasting color, and means for securing the sign to the surface of the window with its flat face lying flush against the window and with its upset portions projecting away from the surface of the window, comprising a pair of gummed tabs connected to the sign and adapted for attachment to the surface of a window pane, whereby, when the sign is in place against the surface of the window, the relatively dark peripheral portions of the symbols and of the body of the sign merge with a relatively darkened interior, and whereby the body portions of the symbols are emphasized to the observer, substantially as described.

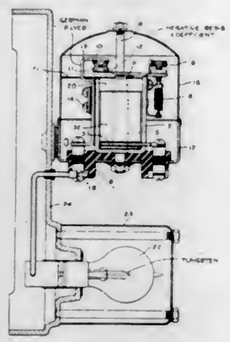
1,503,213. MOTOR CONTROLLER. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 15, 1919. Serial No. 297,271. 2 Claims. (Cl. 172—289.)



1. The combination with an alternating current motor, of reversing means therefor, resistance to protect the motor in starting and plugging thereof, variable inductance in parallel with said resistance and means for varying said inductance for varying the effect of said resistance upon the motor, said last mentioned means insuring a maximum value of said inductance when the motor is plugged.

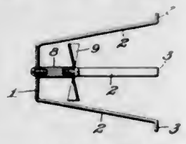
1,503,214. VIBRATORY REGULATOR. RAYMOND H. SULLIVAN, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 553,910. 8 Claims. (Cl. 171—229.)

1. A vibratory regulator, having contacts of which at least one consists of material with a negative temperature coefficient of resistance, and a support, for such contact, consisting of material of low heat-conductivity



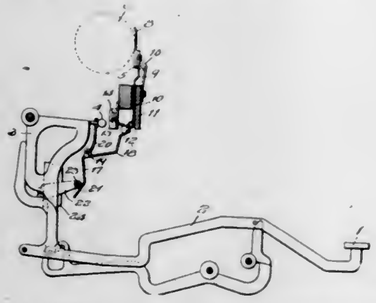
whereby rise in the temperature of the contact during operation is promoted.

1,503,215. FUEL-SAVING DEVICE. ROBERT G. THOMPSON, Seattle, Wash. Filed June 13, 1923. Serial No. 645,172. 1 Claim. (Cl. 48—180.)



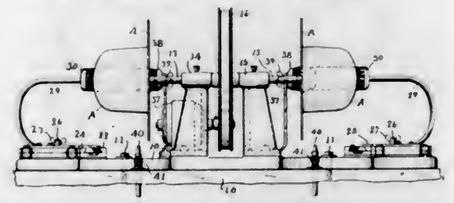
A diffuser comprising a disc-like central portion, a plurality of diametrically opposed frame bars projecting forwardly therefrom, said frame bars being divergent and having lateral terminals, an axially arranged post secured to the disc and projecting in the direction of the frame bars, and a multi-blade rotating member rotatably mounted on the inner end of said post, the diameter of said member exceeding that of the disc.

1,503,216. TYPEWRITER ATTACHMENT. FRANK J. UHER, Berwyn, Ill., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 2, 1922. Serial No. 585,922. 3 Claims. (Cl. 197—135.)



1. An attachment for a typewriter comprising a member adapted to be mounted adjacent the cylinder and movable independently thereof to hold a sheet thereon, and means for actuating said member to lift it at the same speed as the lift of said cylinder, whenever said cylinder is shifted, comprising a part hinged to said member, means to normally maintain said member at its lowermost position, a lever pivotally mounted intermediate its ends to the carriage shift rail of the typewriter, both of the ends being free and operatively engageable at one end with said first-mentioned member, and guide means fixedly mounted and engageable with the other end of said lever for oscillating it in a predetermined manner whenever said carriage shift rail is lifted.

1,503,217. HAT-RENOVATING APPARATUS. JOHN A. VOULGARES, Cleveland, Ohio. Filed Dec. 17, 1923. Serial No. 681,139. 7 Claims. (Cl. 223—26.)



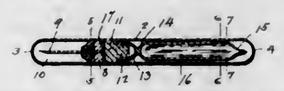
1. In apparatus of the class described, the combination of a base, a shaft rotatably mounted thereon and adapted to carry a hat form, a member slidable on said base to and from said form, a flexible member carried by the first mentioned member, and a brush carried by said flexible member and adapted to operate on a hat carried by said form.

1,503,218. HYPOTUBULE SYRINGE. JOHN H. WEDIG, Granite City, Ill. Filed Feb. 3, 1923. Serial No. 616,732. 4 Claims. (Cl. 128—218.)



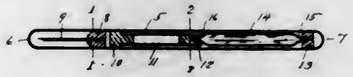
2. A device of the character described comprising a tube hermetically sealed at each end,—part of said tube constituting the walls of a syringe barrel and having a fixed wall with cannula needle and piston with plunger located therein,—said tube having circumferentially cut lines near said fixed wall and the end of said plunger for effecting fracture at such points, substantially as described.

1,503,219. HYPOAMPUL SYRINGE. JOHN H. WEDIG, Granite City, Ill. Filed Feb. 9, 1923. Serial No. 617,994. 4 Claims. (Cl. 128—220.)



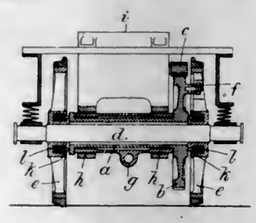
4. In a device of the character described, an inner tube having a constricted portion near one end constituting an integral partition and forming a socket at said end, and a storage chamber for a medicament on the other side of the partition,—the end of said inner tube opposite the socket end being ampullate and hermetically sealed, substantially as described.

1,503,220. HYPODERMIC SYRINGE. JOHN H. WEDIG, Granite City, Ill. Filed Feb. 21, 1923. Serial No. 620,402. 1 Claim. (Cl. 128—218.)



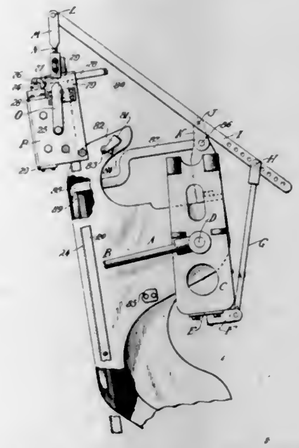
A device of the character described comprising a hermetically sealed tube forming a chamber adapted to be fractured at two predetermined points into three parts,—the main part adapted to form the barrel of a syringe having a cannula needle mounted in a fixed closure at one end and exposing at the other end a plunger provided with a cushion recess in its exposed end, a hermetically sealed tube forming a medicament chamber having fragile ampullate ends adapted to be yieldingly supported in the cushion recess of said plunger and by a cushion mounted in the adjacent end of the device respectively, before fracture, substantially as described.

1,503,221. DEVICE FOR TRANSMITTING THE ROTARY MOTION OF A MOTOR TO THE WHEELS OF VEHICLES. JACOB WERZ, Geneva, Switzerland, assignor to Société Anonyme des Ateliers de Sécheron, Geneva, Switzerland, a Corporation of Switzerland. Filed Oct. 5, 1923. Serial No. 666,680. 4 Claims. (Cl. 105—113.)



1. In a device for use on vehicles, more particularly electric vehicles, for transmitting the rotary motion of a motor rigidly mounted on the vehicle frame, to a set of wheels with side play relatively to the vehicle frame, said device comprising a motor, a quill drive by said motor, means for gearing the axle of said wheel set arranged so as to pass through said motor driven quill, a coupling for transmitting the rotation of the quill to the set of wheels in such a manner that the quill and the axle of the set of wheels can move vertically relatively to each other, being at the same time arranged in such a manner that a lateral play is provided for between the quill relatively to the vehicle frame and to the motor.

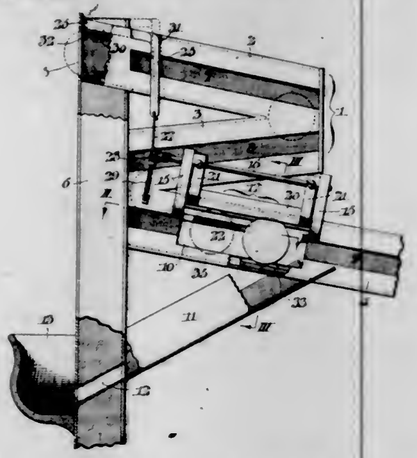
1,503,222. ATTACHMENT FOR PRINTING PRESSES. HERMAN A. AGRICOLA, Jr., Atlanta, Ga., assignor of forty-nine per cent to Joseph E. Lane, Atlanta, Ga. Filed Jan. 7, 1922. Serial No. 527,574. 14 Claims. (Cl. 101—194.)



1. In combination with a printing press, a carriage adapted for reciprocation thereon, a chase mounted on the press, an ink supply receptacle mounted in the carriage, co-operating means on the carriage and chase and adapted with each reciprocating stroke of the carriage

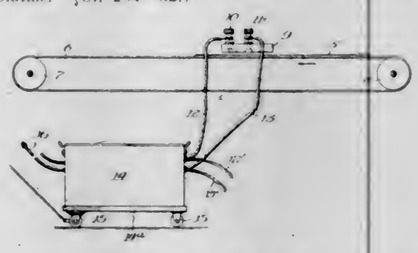
to transfer ink to certain selected portions of the type, such means including contacting rollers, and means for holding the last of said rollers out of contact with the type during a portion of each reciprocation, substantially as described.

1,503,223. COIN DETECTOR FOR VENDING MACHINES. FRANCIS X. BEE, Philadelphia, Pa. Filed May 20, 1920. Serial No. 382,824. 7 Claims. (Cl. 194—101.)



1. In a device of the character described, the combination of a coin conductor with a lateral ejection opening, abraded magnetic means controlled by momentum and hardness of the coins for arresting and retaining spurious ones at said opening; and resilient means for subsequently releasing and discharging coins so arrested.

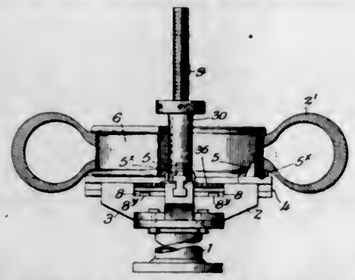
1,503,224. PORTABLE ANTIOFFSET DEVICE. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1921. Serial No. 456,258. 3 Claims. (Cl. 204—32.)



1. The combination with the conveyor for carrying printed sheets from a printing press, of means for generating ozone, said means being supported adjacent the path of the printed sheets, means for generating radio frequency current, a portable support for said last-named means, and means for detachably connecting said radio frequency current generating means with said ozone generating means.

1,503,225. TIRE-REMOVING MACHINE. MAURICE PETER BREON, Newport News, Va., assignor to Cora Louise Breon, Newport News, Va. Filed June 27, 1922. Serial No. 571,330. 2 Claims. (Cl. 157—1.)

1. A tire removing machine consisting of a pedestal, a table mounted thereon, an upright rising centrally from said table, a grooved cam member fitting on said upright having a series of openings around its center and having teeth on its periphery, a pawl to engage said teeth to hold the cam at desired adjustment, a vertical sleeve fitting upon said upright and having depending lugs to



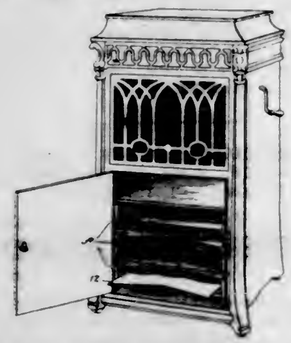
engage the series of openings at the center of the cam, a series of links having gudgeons at their inner end to engage the grooves of the cam, and tire clamps connected to the outer ends of said links.

1,503,226. HOLDING ATTACHMENT FOR SOUND RECEIVERS. CHARLES W. BURROWS, New York, N. Y. Filed Mar. 11, 1922. Serial No. 543,115. 2 Claims. (Cl. 179—156.)



1. In a device of the class described, a one piece metallic head band having each end bent outwardly and a hole inserted therein to form one member of a gripping means, a member having a hole therein thrown downwardly from the material of the band to a point in spaced relationship to said upturned ends forming cooperating members to complete said gripping means, a saddle having means for carrying a sound receiver and a stud fastened to said saddle and adapted to be passed through the holes in said gripping means whereby the stud and receiver may be held in any position.

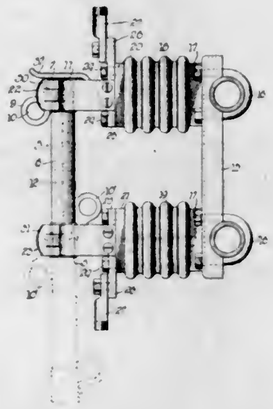
1,503,227. FILING RECEPTACLE. PAUL CHIPMAN, Detroit, Mich. Filed May 6, 1920. Serial No. 379,216. 9 Claims. (Cl. 211—16.)



1. In a filing cabinet having space to receive filing sections capable of holding phonograph records, a section comprising a body, separating elements carried by said body and serving to hold the records in stored position, and means carried by said section and adjustable relative thereto and said cabinet for removably securing said sections in said cabinet.

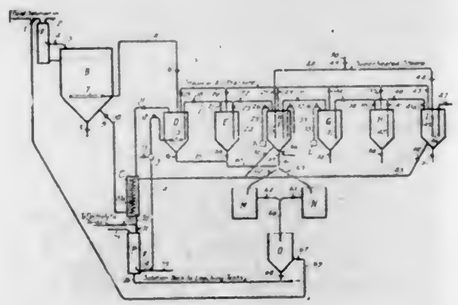
3. In a filing receptacle, a body portion having separating elements, and adapted to be removably inserted into the cabinet of a phonograph, and rotatably adjustable means for releasably securing said receptacle in said cabinet, but permitting removal thereof when said means are released.

1,503,228. FUSE AND MOUNTING. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineer's Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1919. Serial No. 344,380. 40 Claims. (Cl. 200—114.)



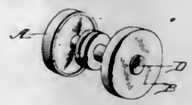
1. In a fuse having a sleeve and terminals thereon, current carrying means cooperating with said terminals, and a breech block associated with one of said current carrying means and engaging the corresponding terminal.

1,503,229. PROCESS OF TREATING SOLUTIONS OF METALS. LOUIS F. CLARK, Potrerillos, Chile. Filed July 2, 1921. Serial No. 482,018. 23 Claims. (Cl. 75—18.)



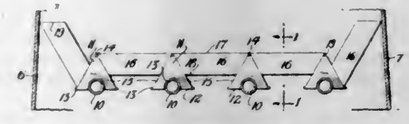
1. In the removal of impurities from acid solutions the method which comprises subjecting the solutions to heat and pressure sufficient to produce a precipitate containing the impurities.

1,503,230. CUFF FASTENER. THOMAS ALBERT DAVIS, Paris, Ill., assignor of one-half to Orlon Sims, Paris, Ill. Filed Oct. 24, 1923. Serial No. 670,510. 2 Claims. (Cl. 24—110.)



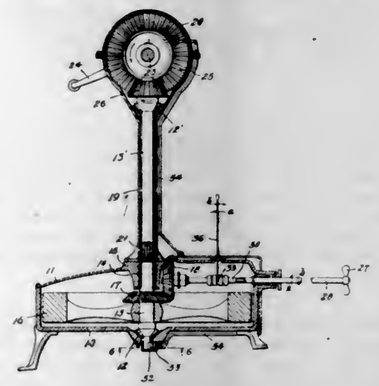
1. A cuff fastener, consisting of a male member comprising a head, a hollow stem and a pair of spring jaws arranged in and extending beyond said stem, a female member comprising a head and a hollow stem having a seat to receive said spring jaws and a slidable stem mounted in said female member and having a head to engage and expand said jaws and lock said members in engagement.

1,503,231. ARCH CONSTRUCTION FOR FIRE BOXES. GUY CARLETON DENNEY, Hinsdale, Ill., assignor to American Arch Company, a Corporation of Delaware. Filed Nov. 26, 1920. Serial No. 426,347. 5 Claims. (Cl. 110—87.)



1. In a locomotive fire box having circulation tubes, an arch supported on said tubes and comprising brick-supporting members adapted to lie and pivot on single tubes, and bricks spanning the distance between supporting members and wedged between them, the supporting members having inclined sides which converge toward the top and the bricks having inclined ends which converge toward the bottom, said inclined sides and ends being adapted to contact in support of the brick in various spaced relations of the supporting members.

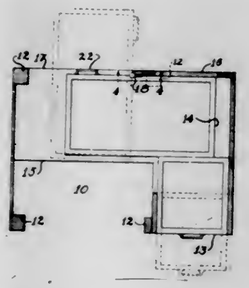
1,503,232. BOAT PROPULSION. HARRY P. EFFERTZ, Union Hill, N. J. Filed May 14, 1923. Serial No. 638,707. 2 Claims. (Cl. 115—24.)



1. In propulsion mechanism, the combination with a casing, of a fly wheel mounted horizontally in the casing, a vertical shaft fixed to the fly wheel, a vertical tubular standard on the casing, a vertical drive shaft in the standard coupled to the fly wheel shaft, a pinion fixed to turn with the fly wheel, a propeller shaft pro-

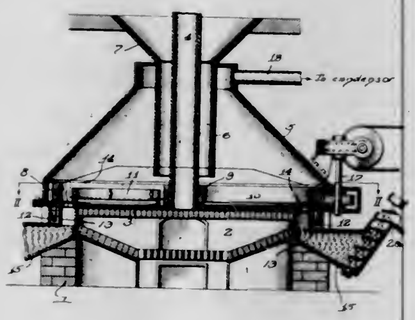
jecting into the casing, a pinion meshing with the first mentioned pinion, an auxiliary shaft fixed to the last mentioned pinion and in line with the propeller shaft, and clutch mechanism in the casing connecting the last mentioned shaft with the auxiliary shaft.

1,503,233. DESK. ALEXANDER S. FALLS, Chicago, Ill. Filed Oct. 6, 1922. Serial No. 592,686. 6 Claims. (Cl. 45—6.)



4. In a desk, a receptacle pivoted within the desk and rotatable rearwardly thereof, and a drawer adapted when closed to lock said receptacle against rotating movement.

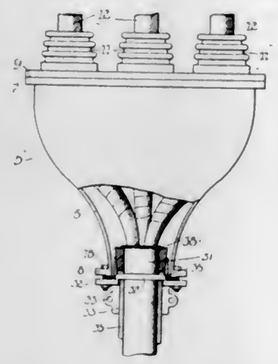
1,503,234. SHALE RETORT. DANIEL H. FRANCIS, Grand Junction, Colo. Filed May 2, 1921. Serial No. 466,108. 2 Claims. (Cl. 202—14.)



1. A shale retort comprising an enclosed heated shale-receiving bed, means for depositing shale centrally of said bed, a large horizontally disposed wheel above said receiving bed and having spokes of a configuration to cause shale to be distributed from the central portion of said bed to the marginal portion thereof, and means adapted to successively scrape the spokes of said wheel.

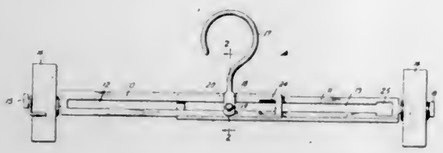
1,503,235. CABLE-END BELL. FRANK E. GETTS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1918. Serial No. 226,168. 10 Claims. (Cl. 247—6.)

9. In a cable end bell, a bell member open at its lower end, a closure for said end of the bell member comprising a metallic sheath supporting socket member having an upwardly and outwardly extending flange, said flange extending into the lower end of the bell member and forming a socket, and a metallic hollow cone forming a circular wedge adapted to embrace the upper end of the lead sheath of the cable and to be forced into the socket, said sheath, cone, socket, and bell being all in



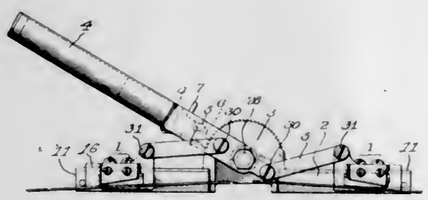
good electrical contact, and a connecting member adapted to be secured to the lower end of the bell, said socket member being held between said connecting member and the end of the bell.

1,503,236. GARMENT HANGER. JOHN GRIMBERG, New York, N. Y. Filed June 26, 1923. Serial No. 647,780. 4 Claims. (Cl. 211—13.)



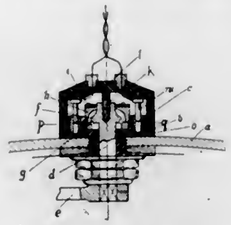
1. In a garment hanger, a pair of longitudinally adjustable members having registering longitudinal slots, a hook for suspending the hanger, pivotally mounted in said slots, and a spring clamping member actuated by pivotal movement of the hook to clamp or release said adjustable members at will.

1,503,237. STRETCHING TOOL. ARTHUR G. G. GUENTHER, Chicago, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 9, 1920. Serial No. 387,768. 5 Claims. (Cl. 100—15.)



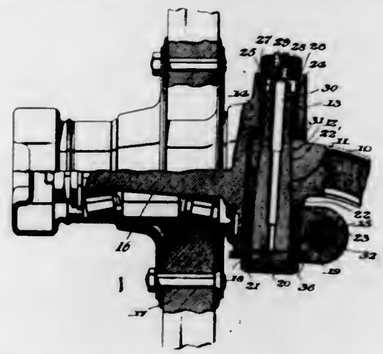
2. In apparatus of the class described, and in combination, a base, a pair of grippers slidably mounted thereon; a lever pivoted on the base, connections between the lever and the grippers, said connections being applied to the lever on opposite sides of the pivot thereof.

1,503,238. ELECTRIC CONNECTING DEVICE FOR FLOATING OR SUBMARINE VESSELS. FRIEDRICH GALL, Kiel, Germany. Filed Aug. 31, 1921. Serial No. 497,424. 3 Claims. (Cl. 173—338.)



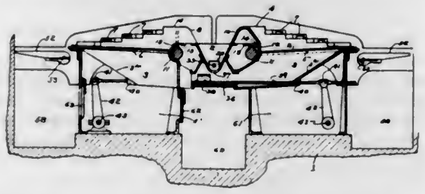
1. In an electrical connecting device for floating or submarine vessels, a fixed contact member attached to the wall of the vessel, an exterior detachable contact member adapted to cooperate with the fixed contact member, and means for detaching the exterior detachable member from the fixed member by a manipulation performed in the interior of the vessel.

1,503,239. MOTOR VEHICLE. EARL G. GUNN, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 14, 1919. Serial No. 338,107. 3 Claims. (Cl. 280—96.1.)



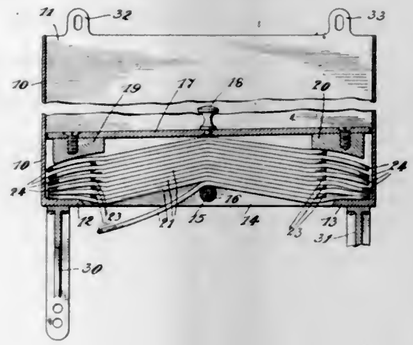
1. A steering knuckle comprising in combination a knuckle member, a pin engaging said knuckle member, a second knuckle member, means carried by said second knuckle member for supporting said pin, a steering knuckle arm carried by said second knuckle member and single means for securing said arm on said knuckle member and for locking said pin supporting means on said second knuckle member.

1,503,240. UNDERFEED STOKER. EDWARD J. HART, Philadelphia, Pa. Filed Oct. 20, 1921. Serial No. 508,982. 11 Claims. (Cl. 110—47.)



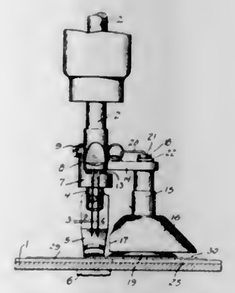
10. In an under feed stoker, the combination with a furnace of a main retort from which extend branch retorts and movable grates between adjacent branch retorts.

1,503,241. DISPENSER FOR PAPER TOWELS AND LIKE ARTICLES. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 641,304. 7 Claims. (Cl. 211—29.)



4. A dispenser for paper towels and the like, comprising a casing, means within the casing for supporting opposite ends of a bundle of towels placed therein, and a transverse support placed intermediate of the said means providing openings on either side thereof and between the same and the said means so that succeeding lowermost towels or other articles placed in the receptacle may be drawn therefrom alternately first through one of the said openings and then through the other.

1,503,242. CIRCULAR-FEED ATTACHMENT. THOMAS B. HUESTIS, Bristol, R. I., assignor to National India Rubber Company, a Corporation of Rhode Island. Filed Feb. 26, 1921. Serial No. 447,944. 2 Claims. (Cl. 112—203.)



1. In a sewing machine, stitch forming mechanism, straight line work feeding mechanism including a presser bar, a rotatable work gripping member movably carried by the presser bar and having a central recess on its under side, a circular rotatable work gripping member coacting therewith and having a roughened portion adjacent its periphery, and a pin disposed centrally of said second member and adapted to enter said recess.

1,503,243. TELEPHONE RECEIVER. OSCAR M. LEICH, Genoa, Ill., assignor to Leich Electric Co., Genoa, Ill., a Corporation of Illinois. Filed June 2, 1922. Serial No. 565,406. 2 Claims. (Cl. 179—182.)



2. In a telephone receiver, a metal shell, a metal cap and a rubber cover member for said cap, said cap and cover having aligning openings and said cover being thickened at said opening.

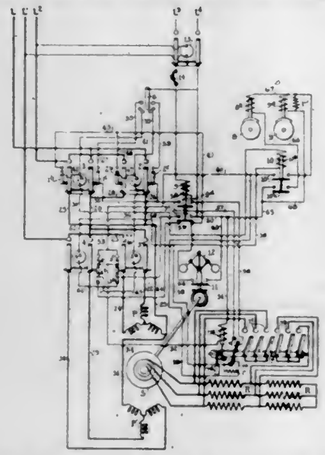
1,503,244. MAGAZINE PENCIL. ROMOLO NARDI, Camden, N. J. Filed June 6, 1923. Serial No. 643,726. 5 Claims. (Cl. 120—14.)



5. In a pencil, a body having a tapered tip at one end, an enlargement at the other end forming a groove, a plate fixed in said groove, rods fixed to said plate, lead holders slidably mounted in said plate, guides carried by the lead holders and coacting with the rods, springs on said rods engaging the guides to normally hold the lead holders in contracted positions, lugs formed from the side walls of the body and projecting beyond the outer surfaces thereof, a barrel having a restricted end producing a shoulder for coaction with the enlargement on the body to limit the movement of the barrel relative to said body in one direction, grooves in the restricted portion of the barrel for coaction with the lugs to position the barrel relative to the body for telescopic movement, a disc fixed in the outer end of the barrel, a pusher rod carried by the disc and adapted to be moved into endwise alignment with any one of the lead holders by the rotation of the barrel, said pusher rod projecting the selected lead holder beyond the tip of the pencil as the barrel is telescoped, a spring within the barrel between the plate and disc for returning said barrel to its normal position and a cap enclosing the outer end of the barrel.

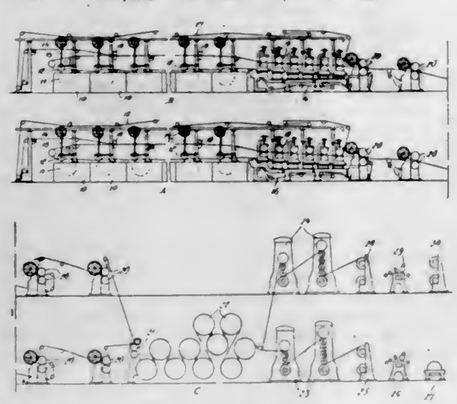
1,503,245. MOTOR CONTROLLER. HARRISON P. REED, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 23, 1917. Serial No. 156,830. 18 Claims. (Cl. 172—152.)

1. In a controller for a motor having separate slow speed and high speed windings, in combination, means to connect such windings in circuit selectively and to insure connection of the slow speed winding prior to the connection of the high speed winding, and means to effect



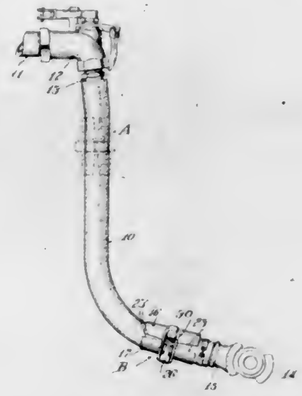
acceleration of the motor, said last-mentioned means including means whereby it acts until subjected to a predetermined accelerating operation to delay connection of the high speed winding.

1,503,246. PAPER-MAKING APPARATUS. CHARLES G. ROBINSON, Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Filed Nov. 24, 1919. Serial No. 340,296. 1 Claim. (Cl. 92—38.)



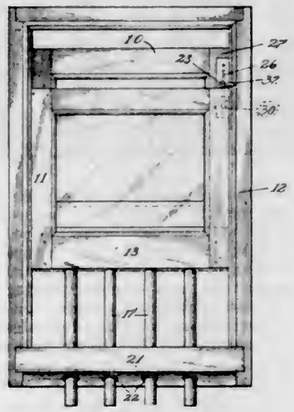
In a paper making apparatus, the combination of a plurality of web forming mechanisms, each provided with a plurality of forming cylinders, said cylinders co-operating with one another to form an integral wet paper web on a felt common to them all; each forming mechanism having means including pressers to reduce the moisture content of the paper webs to an appropriate degree; said forming mechanisms being relatively long and being arranged one above the other to reduce the longitudinal space occupied by the entire apparatus and having their dry ends adjacent; a single set of drying cylinders over which the webs of paper from each of said forming mechanisms travel together; said pressing means being adjusted to remove sufficient moisture from said webs to prevent sticking together when passing over the drying cylinders; and means beyond said drying cylinders for separating and for separately calendering and winding the resultant paper webs.

1,503,247. REPAIR DEVICE FOR TRAIN-PIPE HOSE. CHARLES A. ROUZER and GEORGE N. FLAUGH, Fort Wayne, Ind. Filed Mar. 23, 1922. Serial No. 545,919. 4 Claims. (Cl. 24—19.)



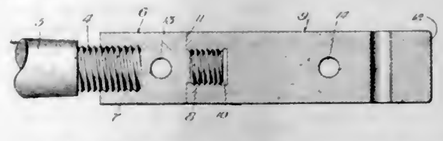
1. A device for temporarily repairing a railway car train line hose comprising, in combination, a pair of members having smooth substantially semi-cylindrical inner surfaces, a single, centrally arranged hinge connecting the members, said members and hinge formed so that the members may be spread apart at one end of the device and brought closer together at the other end, and means for holding said members in clamped relation upon a hose.

1,503,248. BARRED WINDOW. GEORGE C. RUDMAN, Clinton, Iowa. Filed June 29, 1923. Serial No. 648,451. 7 Claims. (Cl. 20—71.)



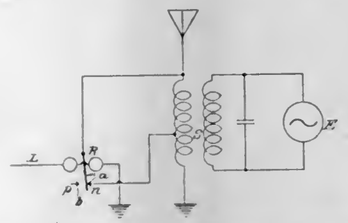
1. In combination with a window frame comprising a window sill and side guideways, a window sash slidably mounted in the guideways, and provided with sockets in its base rail, bars entered through the window sill and into the sockets, the bars being adapted to be removed from the sockets when the sash is lifted to a position to permit the bars to clear the window sill, and a locking pin for arresting the upward movement of the window sash before it has reached said position, substantially as described.

1,503,249. TOOL FOR REMOVING WHEELS FROM AXLE SHAFTS OF MOTOR VEHICLES AND THE LIKE. ERNEST L. RUMSFIELD, Chicago, Ill. Filed Apr. 9, 1923. Serial No. 630,702. 2 Claims. (Cl. 29—85.)



1. A tool for the purpose specified comprising in combination a handle member in the form of a cylindrical bar of steel or the like having at one end an inwardly reaching internally threaded socket, the other end being adapted for operation by a suitable pounding tool, and a cap member of cylindrical form of substantially the same diameter as the handle member, said cap member having on one end an externally threaded lug of size and threads adapted to thread into the socket of the handle member, said lug being of less elevation than the depth of the socket of the handle member, whereby the cap member may be threaded flush against the end portion of the handle member, and there being an inwardly extending internally threaded socket in the end of the cap member opposite to its lug aforesaid, the cap member socket being of size and thread according to the size and thread of the axle shaft with which it is intended to be used, there being a transverse socket in the handle member and a transverse socket in the cap member, said socket being for the reception of pins or tools to engage and disengage the cap member with the handle member, substantially as described.

1,503,250. APPARATUS FOR AND METHOD OF RAPID TRANSMISSION OF TELEGRAPHIC MESSAGES. PAUL E. SABINE and WILLIAM F. FRIEDMAN, Geneva, Ill., assignors to said Paul E. Sabine, as trustee. Filed Aug. 7, 1920. Serial No. 401,935. 17 Claims. (Cl. 250—8.)

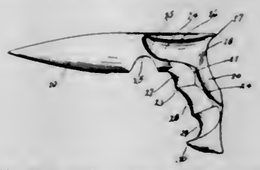


8. In an apparatus for transmitting messages comprising sending and receiving devices, said sending means having means for transmitting electrical energy to the receiving device by means of a suitable medium capable of transmitting electro-magnetic oscillations, means operating with two different kinds of electrical impulses to suppress one thereof and to impress the other thereof upon the transmitted energy, and means to cause the receiving device to supply impulses corresponding to two kinds of impulses operating in the sending device, the last named means having means for substantially synchronizing the receiving device with the sending device, and means for automatically adjusting the synchronizing means to effect exact synchronism with the sending device.

1,503,251. IMPLEMENT HANDLE. WILLIAM SCHOOF, Milwaukee, Wis. Filed June 8, 1922. Serial No. 566,879. 14 Claims. (Cl. 55—67.)

1. A tool handle shaped to conform to a clasped hand and to accommodate the fleshy portions of the palm while supporting the intermediate portions thereof.

4. A handle for tools operated by exerting manual pressure thereon, said handle comprising a piece of material tapered in conformity with the decreasing length of the fingers, ridges thereon adapted to conform to the depressions of the clasped hand of the operator, hollow portions adapted to receive the elevated portions of the palm of the operator, and ridges so positioned as to define the position of the clasped fingers of the operator.

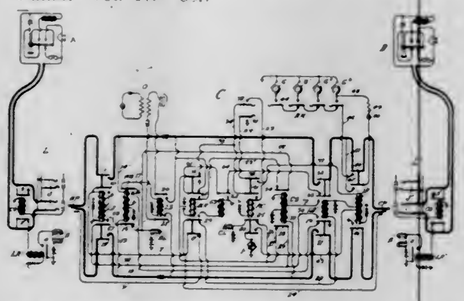


5. A handle for tools operated by exerting intermittently manual pressure thereon, said handle comprising a handle roughly tapered toward its outer end, ridges formed thereon adapted to provide support for the depressions in the hand of an operator, the depression portions of the handle being adapted to receive the raised portions of an operators hand, means for defining the normal position of the fingers of a hand clasping the handle, and flanges at each end of the handle arranged to confine the hand of an operator against movement with respect thereto.

9. A dibble comprising a pointed body portion provided with a laterally projecting fin, a handle projecting laterally from the body portion at a different angle from the fin and adapted to conform to the hand of an operator, and means for accommodating the forefinger of the operator upon said handle in a partially closed and in an extended position.

14. A dibble including a sharpened body portion and a fin projecting laterally therefrom, the surface of the fin being merged with those of the body portion to create a substantially ovoid cross section, and an abrupt shoulder portion at the upper end of the fin, the fin being tapered in thickness toward said shoulder portion.

1,503,252. TELEPHONE SYSTEM. WILLIAM G. SHULL, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1921. Serial No. 440,854. 12 Claims. (Cl. 179—38.)

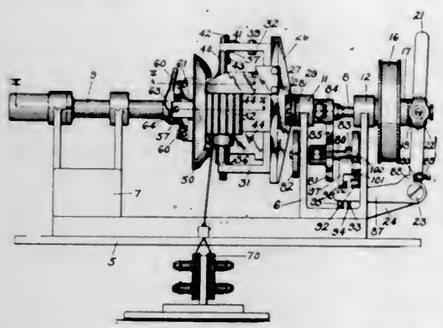


1. A telephone system including a pair of telephone lines connected for conversation by means of a link circuit applied to multiple terminals of said lines, means controlled by the subscribers jointly to operatively free both lines from said link circuit while applied to said terminals, said means including a pair of relays one for each line energized during conversation, each to close a switch contact in the talking circuit between said lines.

1,503,253. CLEANING COMPOSITION. HARRY M. SINCLAIR, Toledo, Ohio. Filed Feb. 13, 1922. Serial No. 536,345. 2 Claims. (Cl. 87—5.)

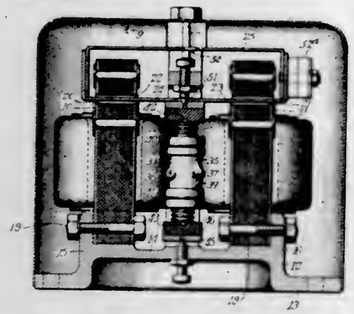
1. A cleaning composition consisting of sodium bisulfate, and a water-soluble pine oil.

1,503,254. ARMATURE-WINDING MACHINE. ERNEST H. SIPPEL and HAROLD H. HAGER, Toledo, Ohio, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 14, 1920. Serial No. 403,605. 2 Claims. (Cl. 242—13.)



1. In an armature winding machine, the combination of means for rotatably mounting a slotted armature core on an axis at right angles to the axis of the core, a shaft coaxial with said first axis, a guide plate carried thereby, means for moving said guide plate axially into contact with said core, wire spacing and rounding fingers mounted in said guide plate and means for moving said fingers relative thereto.

1,503,255. INDUCTION RELAY. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 17, 1920. Serial No. 381,793. 17 Claims. (Cl. 200—91.)

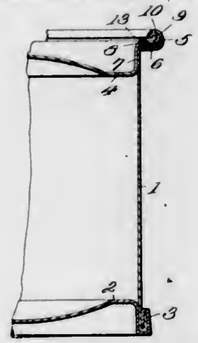


1. In combination, a pair of electromagnets having air gaps to be traversed by magnetically independent fluxes of unlike phase and a continuously looped armature having parts to be subjected to direct influence of such fluxes for effecting a torque upon said armature.

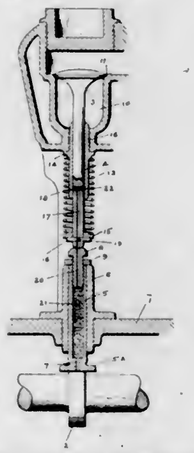
17. The combination with a support having a projecting boss and spaced flanges and a lateral arm carried by said boss, of electromagnets having individual air gaps and means for securing said electromagnets to said flanges with said air gaps in alignment with one another, said arm having a projecting portion arranged parallel to an opposing portion of said boss, pivot bearings carried by said parallel arranged elements, a contacting device carried by said bearings and an armature member secured to said contacting device and having aligned parts arranged within said air gaps.

1,503,256. STRIP-SEALED CONTAINER. FRANK A. ASSMANN, Jr., Chicago, Ill., assignor to Continental Can Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 16, 1920. Serial No. 374,447. 1 Claim. (Cl. 220—61.)

A container comprising a body portion having a flange extending outwardly therefrom, a container end for closing one end of the body portion, said container end having a flange parallel with the flange on the body portion, the outer edge of said flange on the container end being rolled in a curl, the upper surface of which is continuously curved from the outer portion thereof to the extreme inner portion thereof, and a split metal sealing strip adapted to engage the under surface of the flange on the container body, to extend across the edge of the flange on said container body and about the curled curved edge of the container end, the inner edge of said sealing strip being curved to conform to the curled edge of the container end and terminating short of the outer surface of the flange on the container end, whereby the drawing of the sealing strip about the curved surface of the curled edge of the container end will draw the container end into tight sealing contact with the can body, the inner edge of the curled portion of the container end terminating short of the flange on the end, whereby a hollow curl is formed giving an elasticity to the curled edge which aids in holding the parts in sealed contact when the sealing ring is drawn about the same.

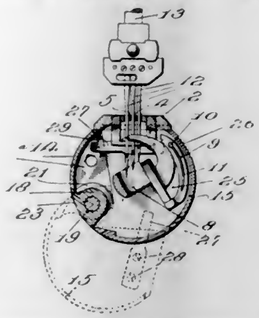


1,503,257. LUBRICATING SYSTEM FOR VALVE STEMS. FRANK B. PARKER and CHARLES U. AUSTIN, Rochester, N. Y. Filed Mar. 13, 1922. Serial No. 543,513. 8 Claims. (Cl. 123—90.)



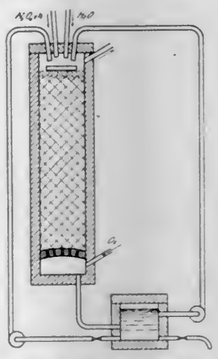
8. The method of lubricating the wall of a guide sleeve for a valve stem which consists in providing for the escape of a small but continuous quantity of oil from the crank case of an engine, creating a partial vacuum around the valve stem and allowing the partial vacuum to draw the escaped oil through a duct in the valve stem into the guide sleeve by locating the end of the duct in the valve stem over the escaped oil from the crank case.

1,503,258. WORK-SUPPORTING ARM FOR SEWING MACHINES. JOSEPH BERGER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1921. Serial No. 471,750. 5 Claims. (Cl. 112—258.)



1. The combination of a work supporting arm having a throat plate and shaft extending longitudinally of said arm and disposed centrally therein, a thread carrying looper mounted on said shaft, said arm beneath a portion of the said throat plate being formed in two sections, one of which is rigid with the arm and the other of which is mounted to swing about an axis parallel with the longitudinal axis of the arm, said movable section extending from a point at one side of the throat plate to a point substantially diametrically opposite thereto, whereby when said movable section is swung downwardly the looper at both the heel and the point will be exposed to facilitate the threading thereof.

1,503,259. PROCESS FOR THE PRODUCTION OF CONCENTRATED NITRIC ACID. EINAR BERGVE, Skoien, near Christiania, Norway, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Filed Oct. 14, 1921. Serial No. 507,719. 3 Claims. (Cl. 23—1.)

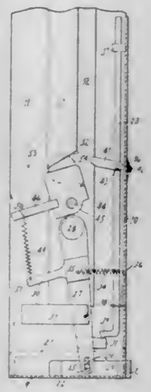


1. A process for the production of highly concentrated nitric acid, comprising the steps of reacting upon an excess quantity of liquid nitrogen oxides with oxygen and an aqueous liquid, removing the aqueous layer of the resulting reaction product, and returning the non-aqueous layer of the said reaction product into the process.

1,503,260. VENDING MACHINE. WILLIAM JOHN BOUSQUET, Springfield, Mass., assignor, by mesne assignments, to Samuel Sisisky, Thompsonville, Conn. Filed May 13, 1922. Serial No. 560,646. 12 Claims. (Cl. 194—70.)

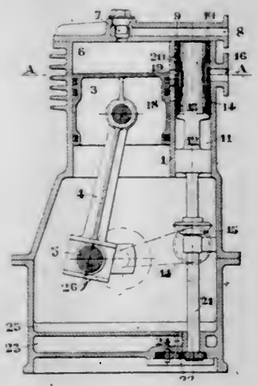
1. The combination, in a vending machine, with a sliding delivery member for the objects dispensed, a spring-pressed oscillatory operating member pivotally

connected with said delivery member, a longitudinally reciprocating latch for said oscillatory member, a lever pivotally connected with said latch, and a coin chute adapted to deliver a coin in an approximately vertical



position at the outlet end of said chute, of means to receive said coin in such position from said chute and with the edge of said coin operate said lever to actuate said latch out of engagement with said oscillatory member.

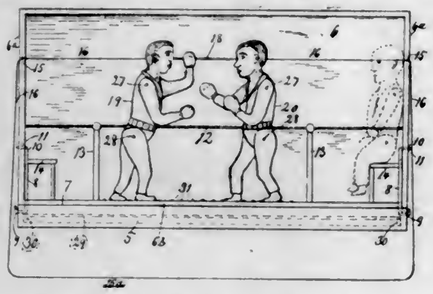
1,503,261. COMPRESSOR OF AIR AND OTHER FLUIDS. FERNAND LOUIS BROUSSOUSE, Paris, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1921. Serial No. 500,951. 13 Claims. (Cl. 230—34.)



1. In a fluid compressor, the combination with a fluid compressing cylinder, a piston therein, and a fluid inlet port positioned to be covered by said piston before said piston has moved to the end of its compression stroke, of a valve chamber into which said inlet port opens and a rotating valve for controlling said port.

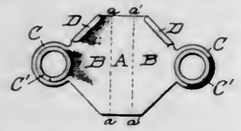
1,503,262. MECHANICAL TOY. CHARLES J. BROWN, River Falls, Wis. Filed Feb. 9, 1922. Serial No. 535,216. 5 Claims. (Cl. 46—40.)

1. A base having two spaced uprights or upright end portions, two combatant figures movable upon the base and having pivoted arms and legs, an elastic cord connecting the figures by their heads and tending to pull the figures toward each other, a non-elastic cord guided to slide in each upright and having one end connected with the head of the adjacent figure and its other end extending forward of the base to be there pulled and



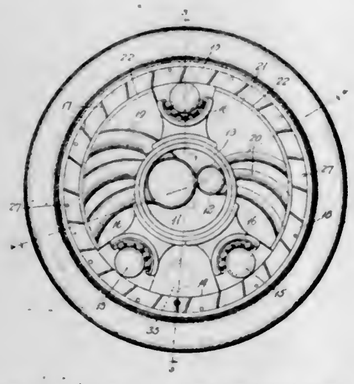
slackened by hand, to alternately move the figures apart and by slackening the cords allow the elastic cords to pull the figures toward each other whereby their arms are caused to swing in simulation of boxing.

1,503,263. SHEET-METAL ROCKER ARM AND METHOD OF MAKING THE SAME. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1921. Serial No. 438,055. 3 Claims. (Cl. 113—116.)



1. The method of making a rocker arm or the like of a piece of sheet metal which consists in forming a blank to form a back section and two side sections, pressing circular bosses on the two side sections, forming passages through the bosses, bending the blank on two lines to bring the side sections into parallel position and butt said bosses together by said bending operation to form a bearing hub.

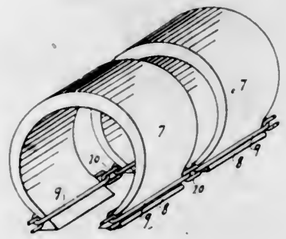
1,503,264. PNEUMATIC VEHICLE DRIVE. GEORGE A. CASE, Joplin, Mo. Filed Feb. 27, 1923. Serial No. 621,691. 1 Claim. (Cl. 253—81.)



A driving wheel for pneumatically impelled vehicles, comprising a rim, turbine blades mounted upon said rim, an annular bearing member upon said rim intersecting said blades, a tubular dead axle, an inner non-revoluble

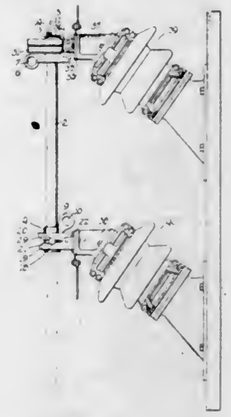
member mounted thereon, bearing devices upon said non-revoluble member contacting with said bearing member, and pressure fluid tubes within said dead axle and nozzles communicating with said tubes and directed toward the blades.

1,503,265. TIRE PROTECTOR. BARNEY GOLDMAN, New York, N. Y. Filed Mar. 27, 1923. Serial No. 627,950. 3 Claims. (Cl. 152—16.)



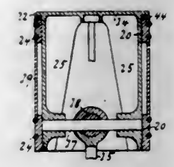
1. In a tire protector the combination with a plurality of spaced tread segments made to embrace a tire, of an endless link looped about each segment near its end, and a second endless link of smaller length forming a spacer between each segment coacting with the looped portion of the segment link so that a segment will universally adjust itself to the periphery of the tire independent of the other sections.

1,503,266. FUSE AND MOUNTING. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1919. Serial No. 298,905. 36 Claims. (Cl. 200—114.)



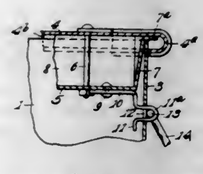
1. In combination, a fuse having a sleeve, a contact at one end of the sleeve, a lug projecting forward from said contact, a stationary spring contact member for engaging said contact, a trunnion member mounted on the other end of the sleeve, a stationary bearing member for mounting the trunnion and a lug on said sleeve projecting from the rear of said trunnion member.

1,503,267. EXPLOSIVE ENGINE. THOMAS KEENAN, Brooklyn, N. Y., assignor to Keenan Piston Sleeve and Engine Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 10, 1921. Serial No. 506,641. 1 Claim. (Cl. 74—108.)



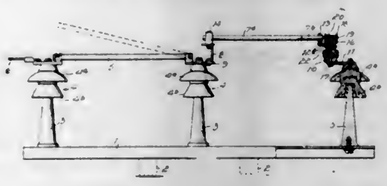
An engine piston comprising a tubular headed member with flanged and threaded ends, said member having its interior longitudinally grooved, a cylindrical sleeve inserted on the member with a boss at the top and bottom to coact with the periphery of the member and form an annular space, and a nut engaging the threaded member to force the end of the sleeve against the flange.

1,503,268. DETACHABLE COVER FOR COLLAPSIBLE OVEN CASINGS. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Oct. 11, 1922. Serial No. 593,806. 7 Claims. (Cl. 126—275.)



1. The combination with a collapsible oven casing, of a cover for said casing comprising a sheet metal member adapted for mounting within the upper portion of said casing, said member having upwardly and outwardly inclined flanges for seating in interiorly bracing relation to the walls of said casing, and resilient members carried by said cover adapted to be sprung into and out of interlocking relation to said casing.

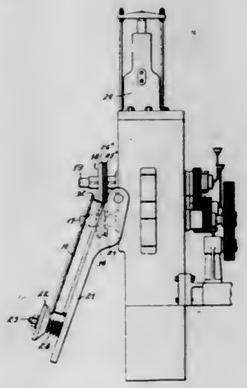
1,503,269. AUTOMATIC CIRCUIT-MAKING SWITCH FOR HIGH-POTENTIAL CIRCUITS. LAURENCE M. KLAUBER, San Diego, Calif. Filed Mar. 15, 1922. Serial No. 544,054. 3 Claims. (Cl. 200—126.)



1. An automatic circuit-making switch to operate in high-potential circuits, comprising the combination of a switch lever, a contact to cooperate with the switch lever to form a new circuit, a spring consisting of a part distinct from the switch lever and engaging the switch lever to move the same into engagement with the contact, and a dielectric resistance device located between the switch lever and the contact constructed so as to disrupt under a potential higher than a predetermined limit, and permit the spring to move the switch lever against the contact, said switch member and spring cooperating

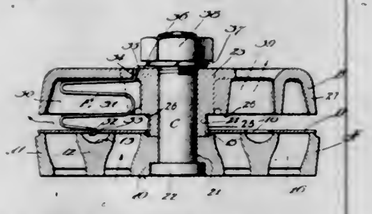
to carry the current to the contact, and said switch lever having a sectional area sufficient to carry the current to the contact without subjecting the spring to injury due to the current.

1,503,270. RIM-ROLLING MACHINE. FRED R. KLAUS, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 23, 1919. Serial No. 299,261. 6 Claims. (Cl. 153—29.)



1. In a machine of the kind described the combination with an inclined table for supporting a rim having a grooved side, of a pair of flange bending rolls, means associated with the table for holding the rim in operative position with respect to the rolls, said rolls being shaped to fit the groove of the rim, one of said rolls having a surface adapted to engage the edge of said groove and change the position of the same.

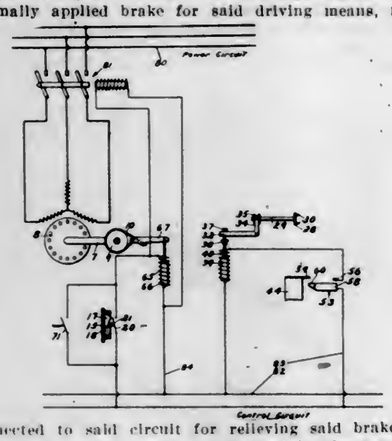
1,503,271. VALVE FOR COMPRESSORS. CHARLES H. LEINERT, Chicago, Ill. Filed Sept. 10, 1920, Serial No. 409,369. Renewed Dec. 14, 1923. 9 Claims. (Cl. 251—144.)



1. In a valve of the kind described, the combination of an open member formed to provide a valve seat, a valve disk adapted to rest upon the valve seat, a stop plate connected with the valve seat, and spring means interposed between the valve disk and the stop plate, there being openings formed in the valve disk and in the stop plate through which the ends of the spring means may pass, the ends of the spring means being turned to lie upon the remote side of the disk and stop plate to lock therewith, substantially as described.

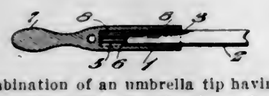
1,503,272. COIL-WINDING MACHINE. JOHN A. LEWELLYN, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 28, 1919. Serial No. 293,269. 9 Claims. (Cl. 242—10.)

2. In a coil winding machine having a form upon which a conductor is adapted to be wound, driving means for rotating said form, a circuit for controlling said driving means, a switch in said circuit, a cam in operative connection with said form for actuating said switch, a normally applied brake for said driving means, means



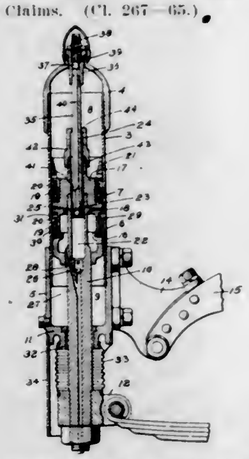
connected to said circuit for relieving said brake and a manually operable switch connected in shunt to said switch.

1,503,273. MEANS FOR FASTENING TIPS TO UMBRELLA RIBS. JOHN LUTZ and WAYNE S. EVANS, Philadelphia, Pa., assignors to S. W. Evans & Son, Philadelphia, Pa., a Firm composed of Samuel W. Evans, Wayne S. Evans, and Morton E. Evans. Filed Feb. 12, 1924. Serial No. 692,225. 4 Claims. (Cl. 135—31.)



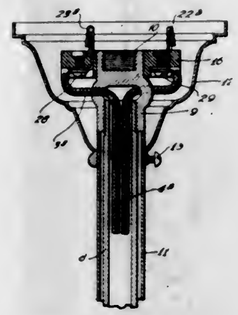
3. The combination of an umbrella tip having a hole of substantially uniform diameter therein, and an umbrella rib having the end thereof formed into two different sections, the terminal section being the smaller diameter, and there being a longitudinally extending slot in said sections to permit compression of the latter, so as to hold said tip in position on said rib by frictional contact.

1,503,274. AUTOMATIC AIR SPRING. JOHN J. MCELROY, New Haven, Conn., assignor to The Westinghouse Air Spring Company, New Haven, Conn., a Corporation of Pennsylvania. Filed Dec. 19, 1921. Serial No. 523,397. 6 Claims. (Cl. 267—65.)



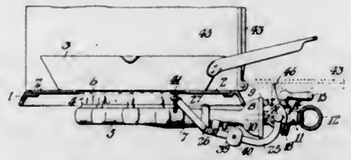
1. In an air spring, a variable volume cushion chamber, an internal pump for forcing air into said chamber, a spring loaded relief valve for said chamber and means operating upon extension movements of said spring for opening said relief valve.

1,503,275. INTERCHANGEABLE SUPPORT FOR ELECTRIC FIXTURES. HARRISON D. MCFADDIN, East Orange, N. J. Filed Mar. 7, 1921. Serial No. 450,186. 3 Claims. (Cl. 173—330.)



1. A separable outlet for electrical fixtures embodying a threaded supporting member adapted to be screwed on to the fixture stud of an outlet box, an insulating element carried on and supported by the supporting member, annular contact rings carried by said insulating element and coaxial with the supporting member, in combination with a fixture adapted to be screwed on to the supporting member, an insulating element carried by said fixture and contacts mounted on and carried by the second mentioned insulating element and spaced at substantially the same distance from the axis of the fixture as the annular contacts are spaced from the axis of the supporting member, whereby the fixture may be screwed on to the supporting member to bring the corresponding contacts of the fixture insulating element into cooperative relation with the contacts of the insulating element of the supporting member.

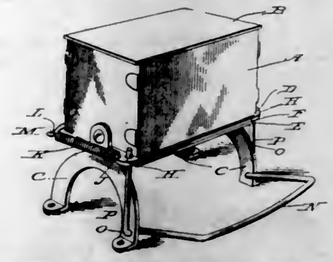
1,503,276. AUTOMATICALLY-OPERATIVE CONTROLLING MECHANISM FOR HEATERS. EDWARD WILLEY MARVEL, Philadelphia, Pa. Filed May 26, 1920, Serial No. 384,250. Renewed June 12, 1923. 3 Claims. (Cl. 126—52.)



1. The combination with a gas burning heater having a support for removable articles to be heated; of a burner extending beneath said support; a rotary valve constructed and arranged to control the flow of gas to said burner, in accordance with its turning movement; and means, including a tappet lever operatively related to said valve and normally projecting from said support, but capable of being displaced to open said valve, by an article placed on said support in position to be heated; and an oven, having a door arranged to close said valve when said door is opened.

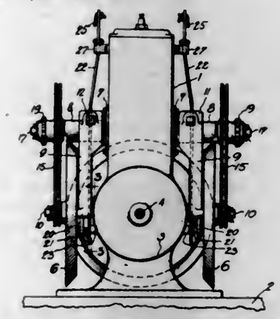
1,503,277. SINGLE-ARTICLE-DELIVERY DEVICE. BRADEN N. MULFORD, Fountain Head, Tenn. Filed Dec. 5, 1923. Serial No. 678,692. 3 Claims. (Cl. 206—24.)

1. A single article delivery device, consisting of a container, a pair of hooks secured to the lower portion of said container, a single article delivery plate mounted in said container, a pair of ears on said plate, springs connected with said plate for retaining and returning it to normal position, said springs having their ends connected



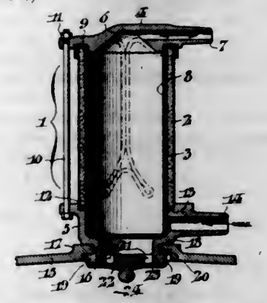
to the hooks on the container and the ears of the delivery plate and a pivoted hand operated lever connected with said plate for sliding it to delivery position.

1,503,278. FARM TRACTOR. CORNELIUS MURNANE, Balaclava, Victoria, Australia, assignor to Murnane Tractor Ltd., Melbourne, Australia, a Corporation of Australia. Filed June 19, 1922. Serial No. 569,221. 6 Claims. (Cl. 180—17.)



1. In a device of the character described the combination of a prime mover, a pair of flywheels at opposite ends of the prime mover, a pair of friction wheels at opposite sides of the prime mover, supports for said friction wheels oscillatably carried with respect to the prime mover, and means for bringing said friction wheels independently and collectively into engagement with either one of said fly-wheels.

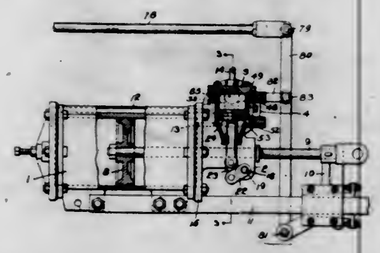
1,503,279. PULSATOR. LEROY NIXON, Easton, Pa. Filed Nov. 17, 1922. Serial No. 601,517. 7 Claims. (Cl. 103—44.)



1. A device of the character described including a displacment chamber adapted for connection to a pneumatic actuator and also to the supply soure of fluid to be pumped, and a complemental flexible member spanning

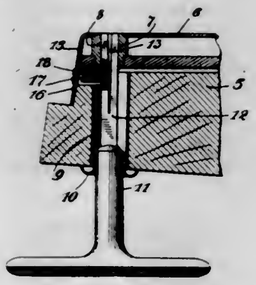
said chamber and serving to open and close the air and fluid lines and having capacity to respond to the pneumatic actuator in the performance of a pumping action.

1,503,280. POWER-REVERSE GEAR. ALFRED S. OSBOURNE, Ingram, Pa. Filed June 21, 1920. Serial No. 390,329. 7 Claims. (Cl. 121—40.)



1. A power reverse gear comprising in combination, a fluid pressure motor, a reversing rod operated thereby, a source of fluid pressure supply, a fluid pressure controlled lock arranged to normally hold the rod against movement, a valvular mechanism controlling the flow of fluid to and from the motor and to and from the lock and comprising a fixed stationary seat and a single rotatable valve member capable of rotative movement only cooperating with the seat and arranged when in normal position to maintain the lock applied and to connect both sides of the motor to the supply source, manual means for rotating said valve member in either direction to exhaust one side of the motor and simultaneously release the lock including a floating lever pivotally connected at one end to and movable with the reversing rod, said rotatable valve member being operatively connected to the said floating lever and actuated thereby to reconnect both sides of the motor to the supply source and reapply the lock.

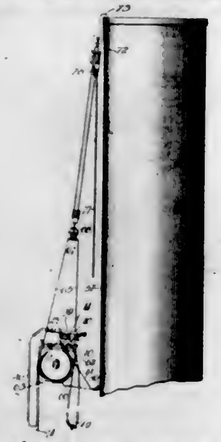
1,503,281. HANDLE-ATTACHING MEANS FOR DOOR LATCHES. LEON OTTINGER, New York, N. Y. Filed Aug. 10, 1923. Serial No. 656,660. 8 Claims. (Cl. 292—350.)



1. In combination, an actuating member having a shaft receiving bore, an operating shaft for said member having a split expansible end portion adapted to be fitted within said bore, and adjustable means engaged with the split end of said shaft exteriorly of said bore to expand the parts of the shaft end into frictional binding engagement with the walls of said bore.

1,503,282. PNEUMATIC PAINTING APPARATUS. JENS A. PAASCHE, Chicago, Ill. Filed July 19, 1919. Serial No. 311,945. 11 Claims. (Cl. 91—45.)

2. A pneumatic painting apparatus comprising, in combination, a receptacle adapted to contain paint, an operator's seat fastened to said receptacle, a pneumatic brush connected to said receptacle by flexible tubes, and



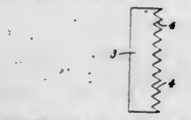
hoisting tackle adapted to raise and lower said receptacle, seat and brush and to support them at any desired elevation.

1,503,283. GAME APPARATUS. GEORGE S. PAGE, Chatham, N. J. Filed Sept. 20, 1922. Serial No. 589,305. 2 Claims. (Cl. 46—61.)



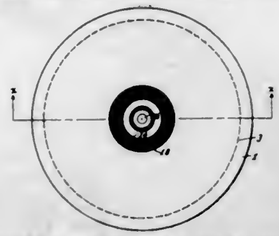
1. The combination, in a lawn game to be played with a golf ball and club, of a series of successive marks spaced apart in a substantially circular group and a central finish mark, said marks variously consisting of upright stakes, countersunk cups, and fixed wickets, said wickets being of a width approximately equaling twice the diameter of the ball.

1,503,284. HIGH-POTENTIAL-ELECTRICITY ARRESTER. FREDERICK R. PARKER, Chicago, Ill. Original application filed Mar. 8, 1907, Serial No. 361,354. Renewed Jan. 8, 1920, Serial No. 350,249. Patent No. 1,350,329, dated Aug. 24, 1920. Divided and this application filed July 23, 1920. Serial No. 398,580. 6 Claims. (Cl. 175—30.)



1. A dielectric member for a high-potential electricity arrester, having a row of relatively small teeth along an edge thereof.

1,503,285. PROCESS OF PRODUCING UNIFORM VOLTAIC CELLS. FREDERICK R. PARKER, Chicago, Ill. Original application filed May 8, 1916, Serial No. 96,066. Divided and this application filed Dec. 20, 1920. Serial No. 432,027. 12 Claims. (Cl. 204—38.)



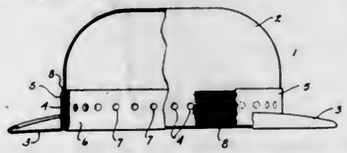
1. The process of constructing a voltaic cell comprising compressing the assembled cell, measuring the internal resistance of the cell while it is being compressed, to determine where the compression shall stop, stopping the compression of the cell at the proper value of its internal resistance, and permanently sealing the parts of the cell in such compressed relation while the pressure maintaining the proper value of the internal resistance is applied.

1,503,286. SHUTTLE. LUIGI PAVIA, Allentown, Pa. Filed Feb. 8, 1923. Serial No. 617,821. 2 Claims. (Cl. 139—208.)



1. In combination, a shuttle body, a carrier member arranged therein and having a bore and also a slot communicating with the bore, the bore and slot extending longitudinally of the shuttle body, a spindle in said bore confined thereby to move longitudinally thereof, means in the carrier member to yieldingly oppose said movement of the spindle, and a screw screwed into and projecting laterally from the spindle and having a faceted portion in the slot confined by the latter against turning, said screw preventing the spindle from turning in the bore.

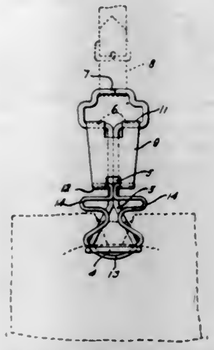
1,503,287. HAT. LEOPOLD PIZZUTIELLO, New York, N. Y. Filed Apr. 5, 1924. Serial No. 704,333. 2 Claims. (Cl. 2—182.)



1. A new article of manufacture comprising a felt hat provided with ventilating holes extending through the crown, a flat sweat band provided with registering ventilating holes, a foraminous woven ventilating fabric extending around the exterior of the hat over the ventilating holes to give support to the hat band and prevent the sagging of the hat band into the holes, and a closely woven hat band mounted over the foraminous woven ventilating fabric and concealing the ventilating holes.

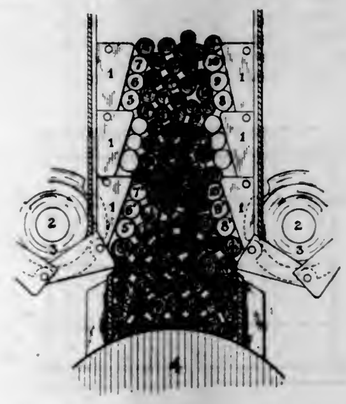
1,503,288. COVER-FASTENING CLASP. AMOS R. POOLE, New York, N. Y., assignor to William R. Chappell, New York, N. Y. Filed Nov. 15, 1923. Serial No. 674,993. 2 Claims. (Cl. 24—248.)

1. In a clasp for blankets and the like, the combination with a one-piece, stiff wire body having an upturned jaw portion at one end and a fastener retaining loop at its other end, said loop having aligned bearing shoulders, of a toggle joint comprising a plate pivoted to said bearing



shoulders and a spring link pivoted to the plate and including a jaw portion cooperating with the jaw portion of the said body and reversely bowed spring portions between the jaw and the plate.

1,503,289. WOOD GRINDER. PAUL PRIEM, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 20, 1923. Serial No. 681,815. 5 Claims. (Cl. 83—75.)



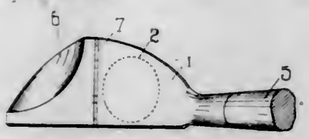
1. A wood grinder of the continuously working type comprising the combination of a grinding element and endless feed chains for positively feeding a charge of wood blocks against the stone, said feed chains consisting of wedge shaped links with their inclined surfaces directed toward the stone.

1,503,290. SHUTTLE FOR CARPET-WEAVING LOOMS. LUIGI QUARESIMA, Amsterdam, N. Y. Filed Nov. 22, 1923. Serial No. 676,331. 4 Claims. (Cl. 139—195.)



1. In a shuttle of the type described, a body portion comprising spaced top and bottom walls, a bobbin positioned between said walls, and a guide member carried by the edge of one of said walls projecting outwardly therefrom and offset from the plane occupied by said wall.

1,503,291. GOLF PUTTER. ROBERT RIMMER, Wigan, England. Filed July 5, 1923. Serial No. 649,094. 4 Claims. (Cl. 46—4.)



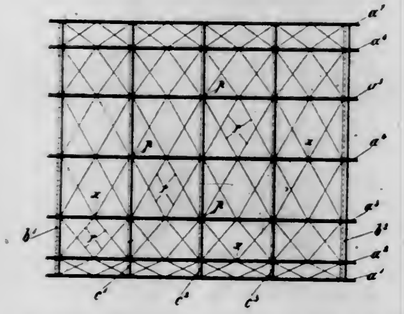
1. A golf putter comprising a shaft and a head connected thereto, said head being loaded by a fixed weight situated wholly between the shaft connection to the head and the center of the head, the center of gravity of the weight being behind the line of the shaft.

1,503,292. TIRE CHAIN. SALVATORE ANGELILLO, Plantsville, Conn. Filed Dec. 20, 1923. Serial No. 681,829. 1 Claim. (Cl. 152—14.)



In an anti-skid tire chain, a cross chain section comprising two auxiliary links passing through each corresponding link of two cross tire chains.

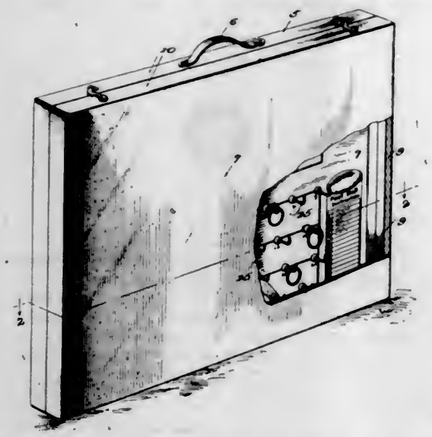
1,503,293. SKELETON FRAMEWORK CONSTRUCTION FOR AIRSHIPS AND THE LIKE. KARL ARNSTEIN, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Apr. 8, 1922. Serial No. 550,886. 6 Claims. (Cl. 244—3.)



1. In a skeleton frame for aircraft and the like in combination, intersecting members in spaced relation to each other and connected at the points of juncture and tensional stiffening members fixed to a point of intersection and extending across one of said intersecting members to another point of intersection, said stiffening members being fixed to said intersecting member also in the crossing point.

1,503,294. GAME. WILLIAM G. BISHOP, Oklahoma City, Okla. Filed Aug. 11, 1922. Serial No. 581,204. 1 Claim. (Cl. 46—59.)

In a game device for playing mimic baseball and football simultaneously which comprises a board having overlying baseball and football fields within the same area, numbered hooks connected to the board within the fields of play and adapted for use both during the playing of baseball and football, said board having baseball and foot ball columns on opposite sides of the field of play, and bearing numbered baseball and football plays corresponding to the numbered hooks, said board also being provided with separate baseball and football score divisions into which is written the scores during simul-



taneous playing of both games, and hooks carried by the board outside the fields of play for supporting tally elements, said board consisting of a pair of hingedly connected sections.

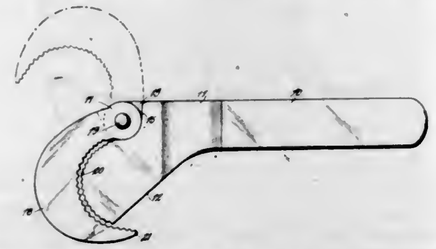
1,503,295. HAIRDRESSING APPLIANCE. ARNOLD H. BONGERS, London, England, assignor of one-half to Gaston Boudou, London, England. Filed Apr. 10, 1923. Serial No. 631,161. 12 Claims. (Cl. 132—36.)

1. An appliance of the kind set forth comprising a heating chamber adapted to receive a coiled strand of hair, a cap adapted to cover the mouth of said chamber, link means connecting said cap to the body of said appliance and permitting lateral movement of same in regard to the mouth of the appliance, and means for moving said cover to seal said mouth.

1,503,296. PIPE WRENCH. EDWARD BRADLEY, Ogden, Ill. Filed Nov. 18, 1921. Serial No. 516,158. 1 Claim. (Cl. 81—99.)

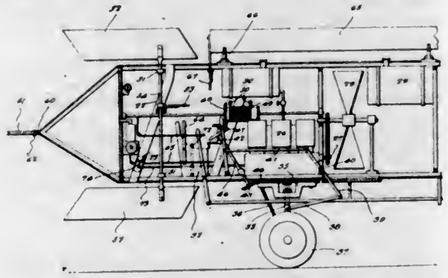
A pipe wrench comprising a handle having a relatively thickened portion at one end provided with an integral extension disposed below the plane of the handle to present a rigid jaw, said handle being cut-out at a place along the upper edge where the handle and jaw meet to provide a centrally projecting tongue and circular

sockets on opposite sides of the tongue, the said rigid jaw being cam shaped and provided with a gripping face extending forwardly of the cut out in the arc of a circle, and a movable jaw pivotally engaged with the said central tongue of the cut out and having circular bear-



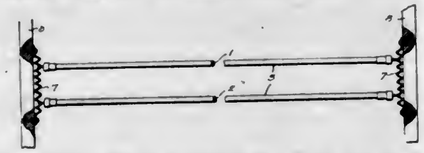
ing ends engaging in the said sockets, the said movable jaw being arched to engage over the gripping face of the rigid jaw and being of such length that when the jaws are fully closed the end of the movable jaw extends over beyond the end of the rigid jaw, providing a lip for a useful purpose.

1,503,297. AEROPLANE. WILLIE CALAGANS, Gary, Ind. Filed Sept. 25, 1922. Serial No. 590,452. 2 Claims. (Cl. 244—2.)



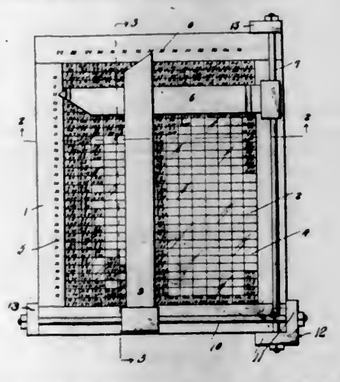
1. In an aeroplane, landing gear consisting of wheel like structure journaled beneath the body, steering mechanism for turning said wheel like structure, an arch pivotally connected with each wheel member, a coil spring connected with the body and the arch for normally holding the latter at one limit of its movement and for opposing movement in the other direction, and link and lever mechanism mounted on the body and connected with the arch for swinging the same upwardly to dispose the wheels at the sides of the body, said mechanism consisting of a link pivotally connected with the arch, a lever pivoted on the body and pivotally connected with said link, a rearwardly extending reach rod pivotally connected with the other end of the lever, and a control lever pivoted on the body and connected with said reach rod.

1,503,298. HATRACK FOR AUTOMOBILES. JOHN A. CAMPBELL, Carbondale, Ill. Filed Sept. 13, 1923. Serial No. 662,567. 2 Claims. (Cl. 45—13.)



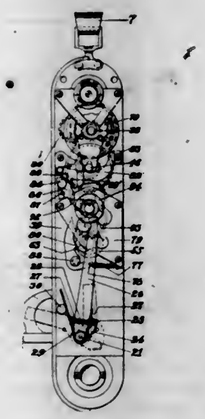
1. A hat rack for automobiles having a top portion, which includes a pair of coiled springs extending across the car beneath the top, a flexible fabric covering said springs, a hook at each end of each spring loosely connected thereto, a metal bar connected to each side of the top portion of the automobile, and means on said bar whereby the hooks on the end of the spring can be adjustably connected thereto.

1,503,299. CALCULATOR. GLEN L. CANON, Carson, Iowa. Filed Dec. 14, 1922. Serial No. 606,902. 2 Claims. (Cl. 235—89.)



1. A calculator having a frame provided with indications, said frame having members forwardly offset with respect to said indications and themselves bearing indications, a hand slidable along the frame coacting with the first mentioned indications and overlapping one of said members to coact with the indications thereof, said hand being depressed intermediate its ends, and a hand cooperating with the first indications slidable in a path at a right angle to and over said depressed portion and at one end overlapping the other member to coact with the indications thereof.

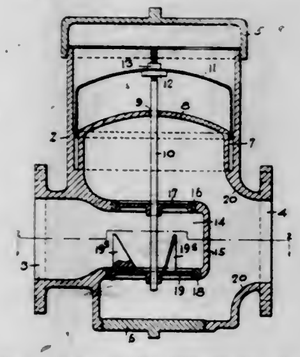
1,503,300. AUTOMATIC FILM-WINDING CAMERA. EZRA C. CLARK, Binghamton, and JOHN F. POLHEMUS, Johnson City, N. Y., assignors, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,246. 10 Claims. (Cl. 242—71.)



1. In combination with a camera a film take up spool therein, a motor within said camera for rotating said spool, a train of gears connecting said motor and said spool, a stop mechanism operating upon said gear train for automatically stopping said motor after a predeter-

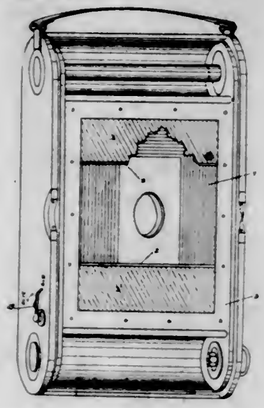
mined rotation of said spool, a compensator controlling said stop mechanism comprising an internal gear ring having unevenly spaced notches in the outer periphery thereof with which said stop engages.

1,503,301. GAS REGULATOR. THOMAS J. CLEARY and GEORGE F. QUINN, Pittsburgh, Pa.; Irene Cleary Treacy administratrix of said Thomas J. Cleary, deceased. Filed Feb. 23, 1921. Serial No. 447,272. 1 Claim. (Cl. 50—28.)



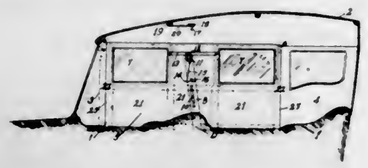
In a gas regulator, the combination with a casing having inlet and outlet ports, of an inlet chamber formed therein between said ports and having an opening communicating with each of said ports, the internal diameter of said chamber increasing in cross sectional area throughout the distance from the opening thereof which communicates with the inlet port to the opening which communicates with the outlet port.

1,503,302. PHOTOGRAPHIC APPARATUS. SILVIO COCANARI, Antwerp, Belgium, assignor to Gevaert Photo-Producten, N. V., Oude-God, near Antwerp, Belgium. Filed Dec. 20, 1922. Serial No. 608,025. 5 Claims. (Cl. 95—31.)



1. In a camera, the combination, with the exposure frame, of a pair of coacting screens disposed at opposite sides of the exposure aperture of said frame and movable toward or from each other to vary the size of the aperture, springs connected at opposite ends to the mutually-adjacent front edges of said screens to pull the same toward each other, and means operable from the outside of the camera for moving said screens away from each other in unison against the action of said springs; substantially as described.

1,503,303. VEHICLE SIDE CURTAIN. DAVID H. COLLIER, Nevins Township, Vigo County, Ind. Filed June 7, 1922. Serial No. 566,484. 1 Claim. (Cl. 296—140.)

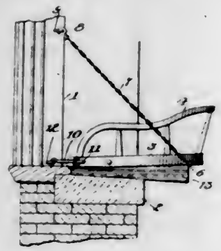


For a vehicle having a body part and a canopy top, a side-curtain comprising an upper member and a lower member, a hinge connection between the upper member and the canopy top and a hinge connection between the two said members, an elastic bar connected to and forming a mechanically integral part of said lower member and adapted to normally serve as an aiming post to hold the two of said members in one plane when unfolded for use, releasable means to anchor the lower end of said bar on the vehicle body, and manually controlled means on said bar for locking said curtain in a folded position under and adjacent to the canopy.

1,503,304. BRIQUETTING. GEORGE B. DAMON, Belvidere, N. J., assignor of one-half to Vulcan Iron Works, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Feb. 25, 1922. Serial No. 539,304. 8 Claims. (Cl. 44—15.)

1. In a briquetting process, the step of mixing coal fines and a vegetable binder containing digested vegetable matter of approximately sawdust size, shaping said agglomerate into briquettes while moist, and simultaneously subjecting the same to heavy pressure to express from the vegetable matter the colloidal adhesive material contained therein and force it into the interstitial spaces between the coal fines.

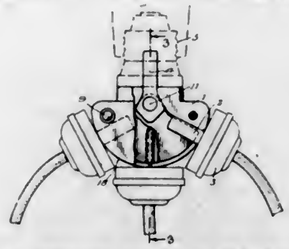
1,503,305. WINDOW-CLEANER'S SCAFFOLD AND CHAIR. BENJAMIN B. DOLARO, New York, N. Y. Filed Apr. 11, 1923. Serial No. 631,404. 4 Claims. (Cl. 304—24.)



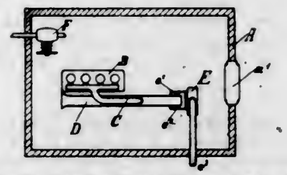
1. A combined window scaffold and chair seat having tapered strips secured thereto for supporting the same on a window sill, said strips having means for interlocking engagement with a stool, whereby said seat may be converted from a window scaffold into an ordinary chair when desired.

1,503,306. PLUG ATTACHMENT. FRANKLIN DOMINICK, New York, N. Y. Filed Mar. 23, 1922. Serial No. 546,185. 1 Claim. (Cl. 173—334.)

In an attachment or connector of the character described, a body formed with a pair of parallel slots, each slot having a plurality of notches extending at right angles to the respective slots, the notches of one slot being opposite the notches in the other slot, a pair of contact plates for each of said slots, one plate on each slot being formed with laterally extending portions fitting into the respective notches of said slots whereby contact prongs set parallel to each other or at right angles to each other may be readily inserted, and a terminal for each pair of plates.

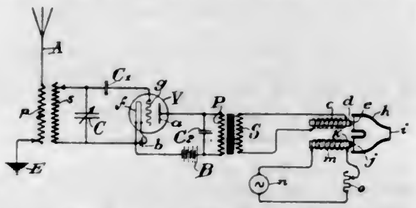


1,503,307. MOTOR-TESTING CHAMBER. LUDWIG DÜRR, Friedrichshafen, Germany, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed July 2, 1920. Serial No. 393,754. 2 Claims. (Cl. 73—51.)



1. In a motor testing plant in combination, a closed chamber designed to take up the motor to be tested a high power exhausting device in said chamber having openings in the exhaust piping for establishing a communication betwen the interior of said piping and the interior of said chamber and means for establishing a connection between the exhaust side of said motor and the intake of said exhausting device.

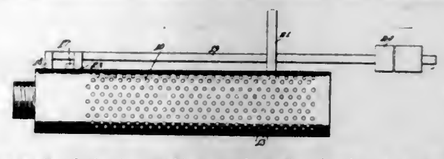
1,503,308. METHOD OF AND APPARATUS FOR ELECTRICALLY TRANSMITTING INTELLIGENCE. CORNELIUS D. EHRET, Philadelphia, Pa. Filed Oct. 22, 1920. Serial No. 418,678. 19 Claims. (Cl. 250—8.)



1. The method which consists in converting alternating current energy into an electric current vibrating at lower frequency, producing sound waves in a quiescent sound transmitting medium under control of said current of lower frequency, and impressing on said medium independently produced sound waves of different frequency interfering with said first named sound waves to produce in said medium sound wave beats.

1,503,309. VALVE. ALBERT E. ELLIS, Marion, Ill. Filed Nov. 1, 1923. Serial No. 672,213. 1 Claim. (Cl. 137—103.)

A sump valve including a cylindrical body the bore of which extends from a point adjacent one end through the other end, the body having openings leading from the exterior into the bore, a valve slidable in the body and transversely of the bore adjacent the open end, a float lever mounted on the body and connected with the valve, the wall of the bore adjacent the valve having a groove, and a removable apertured plate disposed in said groove and against which said valve slides.

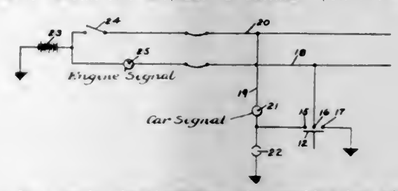


1,503,310. BAND-SAW JOINT AND METHOD OF MAKING THE SAME. CARL L. ERICSON, Longmeadow, Mass., assignor to American Saw and Manufacturing Company, Springfield, Mass., a Corporation of Massachusetts. Filed June 28, 1923. Serial No. 648,208. 3 Claims. (Cl. 76—112.)



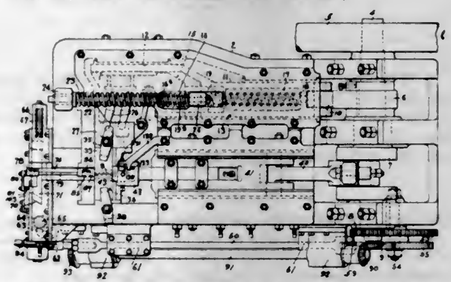
1. In a band saw, a butt-welded elementally homogeneous joint which is oblique to the longitudinal edges of the saw, whereby is produced a long and proportionately strong joint, with a comparatively large distribution of the weakened parts of the saw adjacent to said joint.

1,503,311. CAR DISCHARGE VALVE AND SIGNAL SWITCH. CLYDE C. FARMER, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1921. Serial No. 457,322. 2 Claims. (Cl. 177—352.)



1. In a train signal system, the combination with an electric signal train wire, of a signal controlling device having a valve the operation of which produces a pneumatic signal, a switch for controlling the circuit through the train wire, and manually operated means for first operating said valve and then said switch.

1,503,312. HEADING MACHINE. CHARLES FASSINGER, Carrick, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 23, 1920. Serial No. 412,231. Renewed Oct. 24, 1923. 30 Claims. (Cl. 10—12.)



1. A heading machine comprising an upsetting die, a carrier for clasping the shank of a blank and for presenting the said blank to the said die, the said carrier being

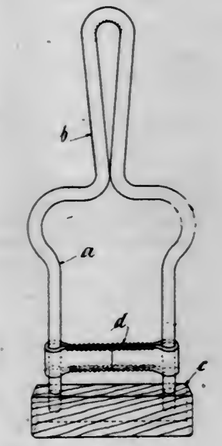
arranged to retain its hold on the said blank during the operation of said die, and to thereafter release the headed article.

1,503,313. ARTIFICIAL TOOTH. WILLIAM B. FLOYD, Denver, Colo. Filed Aug. 5, 1919. Serial No. 315,518. 1 Claim. (Cl. 32—12.)



1. Artificial teeth including two or more cusps hollowed out on the back, this hollowed out portion enlarged and deepened at the edges of each cusp, and a metal backing facing this entire hollowed portion, whereby the latter is of greater width at the edges of the teeth and at the point of juncture of the metal between teeth, thereby affording a maximum of strength at the point where the greatest strain upon the teeth comes.

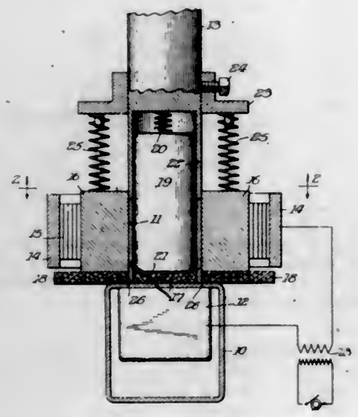
1,503,314. APPLIANCE FOR TENSIONING OR TIGHTENING SEAT WEBBING AND THE LIKE. GEORGE FREDERICK FRENCH, Manchester, England. Filed Jan. 23, 1924. Serial No. 688,109. 3 Claims. (Cl. 254—51.)



1. Web strainers comprising a frame like lever, a gripping member fitted across at least one end of said lever, at least one cross bar slidably mounted on the lever and adapted in conjunction with said gripping member to grip the web, substantially as described.

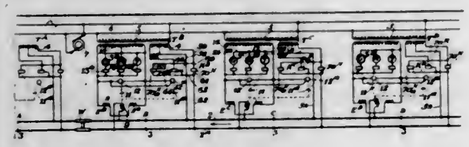
1,503,315. ELECTRIC WELDING. JOHN F. GAIL, Evanston, Ill., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Apr. 28, 1919. Serial No. 293,092. 8 Claims. (Cl. 219—10.)

1. In an apparatus for welding two parts together, the combination of means for forcing the two parts together and maintaining welding current therebetween so as to melt the metal at the juncture line, a mold adapted to receive and form the extruded metal so as to provide



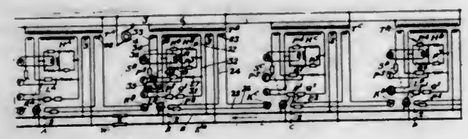
a reinforcement extending along the juncture line of the two parts, and means for holding the mold against relative movement with respect to one of said parts.

1,503,316. RAILWAY SIGNALING. LARS O. GRONDAHL, Pittsburgh, and LEMUEL F. HOWARD, Edgewood Borough, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1921, Serial No. 461,750. Renewed May 18, 1923. 8 Claims. (Cl. 246—34.)



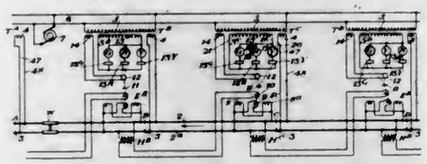
8. In combination, a section of railway track, means for supplying the rails of said section with current of one polarity or the other, light-responsive cells, means responsive to the polarity of the current supplied to said rails for selectively illuminating said cells, and traffic governing means controlled by said cells.

1,503,317. RAILWAY SIGNALING SYSTEM. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1921. Serial No. 461,781. 36 Claims. (Cl. 246—34).



13. In combination, a track circuit including an electric lamp, and a railway signal located in the trackway and controlled by said lamp.

1,503,318. RAILWAY SIGNALING. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1921, Serial No. 461,782. Renewed May 20, 1924. 21 Claims. (Cl. 246—34.)

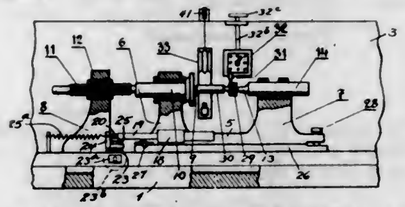


1. In combination, a track circuit comprising track rails, a source of current and an electro-responsive device; a lamp, a light-responsive cell, means controlled by said device for illuminating said cell from said lamp, and a signal controlled by said light-responsive cell.

1,503,319. PROCESS OF PRODUCING MIXTURES OF NITROGEN AND HYDROGEN. BIRGER FJELD HALVORSEN, Christiania, Norway, assignor to Norsk Hydroelektrisk Kvaelstofaktieselskab, Christiania, Norway. Filed May 13, 1920. Serial No. 381,183. 1 Claim. (Cl. 23—10.)

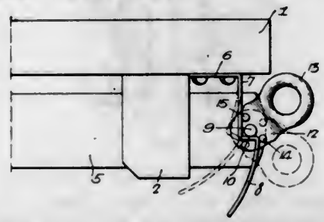
1. The process of producing nitrogen bearing gas suitable for a synthetic production of ammonia, comprising in combination the steps of passing air in contact with a metal sulphide at an elevated temperature, removing sulphur dioxide from the resulting gas mixture by reaction with ammonia so as to obtain ammonium sulphite, and removing oxygen from the so treated gas by reacting upon the gas with the ammonium sulphite so obtained.

1,503,320. ACCURATE THREAD CUTTING AND GRINDING MACHINE. JEAN AMEDEE HARDEL, Paris, France. Filed Apr. 29, 1920. Serial No. 377,700. 3 Claims. (Cl. 82—5.)



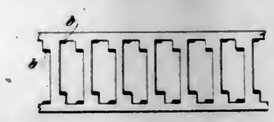
1. An accurate thread cutting and grinding machine, comprising a bench, a slide thereon, a headstock and a tailstock mounted on said slide and movable in unison, a lead screw, a slide supporting the latter, a double armed lever between the two slides, and a pivot for the said lever movable transversely to the slides.

1,503,321. LOCK SWITCH. HENRY W. HARTEL, Philadelphia, Pa. Filed June 22, 1921. Serial No. 479,539. 15 Claims. (Cl. 200—169.)



1. In an electric switch, the combination with a relatively fixed element, of a movable element adapted to be shifted into and out of engagement therewith, a projection upon said movable element, a relatively fixed locking member including movable means for engaging and retaining said projection when the said movable element is shifted into engagement with the said fixed element, and means mounted upon the said projection for shifting said retaining means to release the projection.

1,503,322. BELT FASTENER. HANS HAUPT, Berlin-Charlottenburg, Germany. Filed Mar. 23, 1922. Serial No. 546,116. 6 Claims. (Cl. 24—36.)



4. In a belt fastener a flexible skeleton strip, transversely disposed, endwise oppositely shouldered parallel bars on said strip, and lengthwise extending outwardly projecting prongs upon parallel sides of the shouldered parts, and additional rows of longitudinally extending prongs in parallel staggered relation to the other prongs and transversely spaced from each other.

1,503,323. COMBINATION TOOL. JACOB M. HEASLEY, Pittsburgh, Pa. Filed Sept. 2, 1922. Serial No. 585,928. 4 Claims. (Cl. 7—9.)

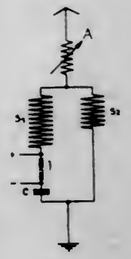


1. A tool of the character substantially as described, comprising a body member forming an operating lever, a claw head at one end of said body member and extending laterally from a side thereof, a cutting blade extending laterally from the opposite side of said body member adjacent said claw head, and the said claw head formed with a convex outer surface forming a fulcrum for operation of said claw head, the said cutting blade providing a supplemental fulcrum and edged material engaging member for operation of the said claw head.

1,503,324. MEANS FOR PRODUCING ELECTRIC OSCILLATIONS BY AN ELECTRIC ARC. ROBERT HERZOG, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorensweg-Berlin-Tempelhof, Germany. Filed July 12, 1920. Serial No. 395,810. 2 Claims. (Cl. 250—36.)

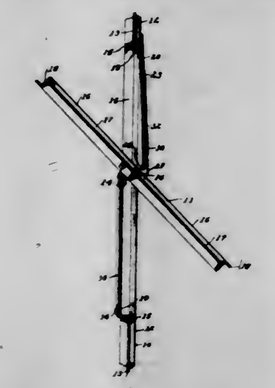
1. An improved connection for the production of electric oscillations with the aid of the light arc, comprising in combination with the oscillatory antenna circuit and with the light arc, a circuit which does not oscillate in-

dependently situated on the high frequency side of said light arc between the arc and the oscillating circuit, a large self-inductance in said circuit, and a second self



inductance coupled with said first self inductance in such a manner that the effect of said first self inductance upon the oscillatory antenna circuit is entirely or nearly neutralised.

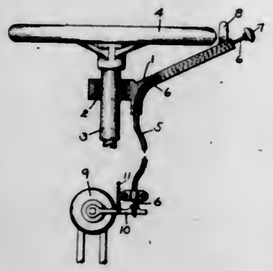
1,503,325. SCREEN FOR PIVOTED WINDOW SASHES. ALFRED M. LANE, St. Louis, Mo. Filed Apr. 29, 1920. Serial No. 377,577. 5 Claims. (Cl. 156—14.)



4. The combination with a window having a sash whose middle portion is mounted therein to turn on horizontal pivots, of a screen for the upper half of said sash opening, said screen being arranged opposite the upper half of said sash opening with its upper edge terminating above the upper edge of said sash opening when said sash is in closed position and with its lower edge terminating a short distance above the sash pivots when in said position, a connection between the lower edge of said screen and the adjacent portion of said sash for covering the space between said sash and screen in all positions of said sash, said connection comprising a member secured to the sash having a socket portion and a member secured to said screen having a bead portion fitting into the socket portion of said first mentioned member, and a guide strip secured to the window at each side of the screen and having a portion lapping the side margins of said screen to retain the same in position.

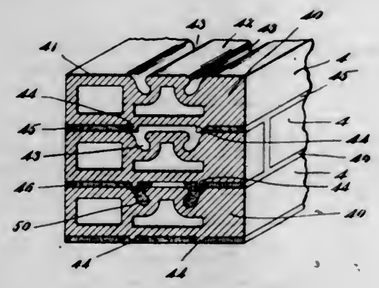
1,503,326. VEHICLE BRAKE CONTROL DEVICE. GEORGE S. LANE, San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 8, 1921. Serial No. 483,357. 5 Claims. (Cl. 74—39.)

1. In a motor vehicle brake, the combination with a steering wheel and a device for controlling the brakes, of a hollow arm movable with the steering wheel, a push wire operatively connected to said device and extending



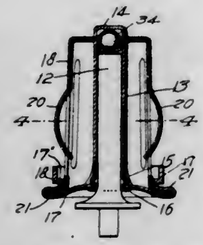
through said arm, and manually operated means for actuating said push wire, said wire extending from said manually operated means to said device.

1,503,327. BRICK AND WALL CONSTRUCTION. GRAFTON E. LUCE, Chicago, Ill. Filed June 7, 1920. Serial No. 387,066. 5 Claims. (Cl. 72—41.)



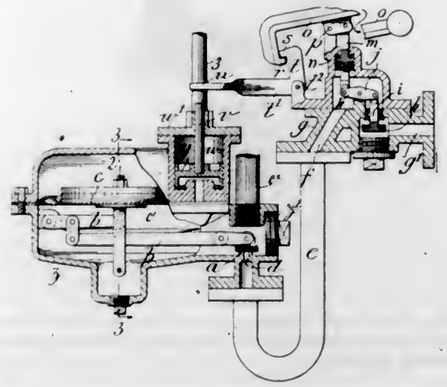
4. A building unit eccentrically weighted and having a handhold positioned eccentrically with regard to the unit, but directly over its center of gravity.

1,503,328. CASTER SOCKET. WILLIAM H. MCALLISTER, Linden, Pa. Filed Apr. 26, 1923. Serial No. 634,722. 6 Claims. (Cl. 16—39.)



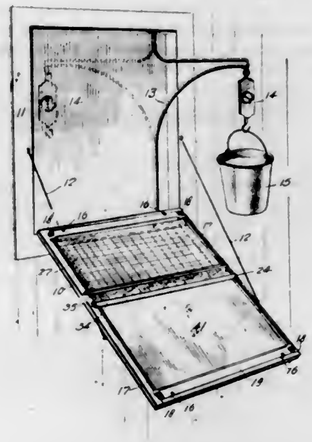
1. A caster socket comprising a tubular member having a groove at its lower end, a body-supporting centrally perforated plate, having its perforation engaged in the groove and means provided by the plate for engagement with a body to be supported.

1,503,329. MEANS FOR CONTROLLING FLOW AND PRESSURE OF FLUID IN FLUID-DISTRIBUTING SYSTEMS. EDWARD ALBERT MITCHELL, London, England. Filed Aug. 8, 1922. Serial No. 580,549. 3 Claims. (Cl. 50—11.)



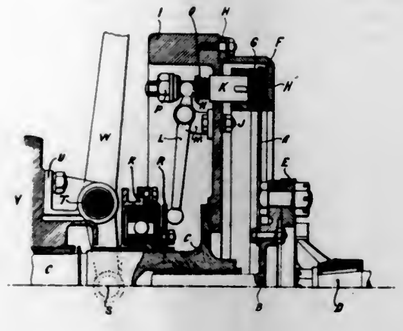
1. For controlling the flow of fluid in a distributing system, a governor embodying a pressure reducing valve, a stop valve through which the high pressure fluid passes before reaching the pressure reducing valve, mechanical means set normally to hold the stop valve open, and tripping means, responsive to pressure in excess of a predetermined value in the governor, adapted to permit the stop valve to close and remain closed.

1,503,330. RECORD CABINET. MIKE A. MOUSEL, Elmwood, Wis. Filed Mar. 7, 1923. Serial No. 623,522. 10 Claims. (Cl. 45—61.)



1. A record cabinet embodying a desk closure, sheet clamps at the opposite ends of the closure, guide rods at opposite sides of the closure, means whereby the clamps and guide rods each hold the other in operative positions, and a chart mounted to slide upon the rods.

1,503,331. CLUTCH AND FLYWHEEL COMBINATION FOR MOTOR-VEHICLE ENGINES. THOMAS BLACKWOOD MURRAY, Liphook, England. Filed Sept. 20, 1923. Serial No. 663,813. 2 Claims. (Cl. 192—110.)



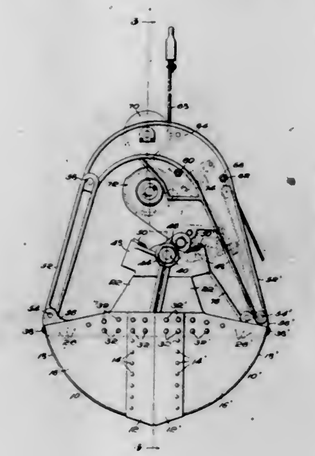
1. A clutch and engine crank shaft and flywheel combination comprising a flywheel, a clutch carried thereby, a clutch operating muff located on the crank shaft between the flywheel and the engine casing, a clutch-pedal cross-shaft, brackets on the engine casing carrying the shaft, stirrup levers on the shaft and operating the muff, levers pivoted on the flywheel and engaged at their inner ends by the muff, and operative connections between the outer ends of these levers and the clutch.

1,503,332. HYDROMETER SYRINGE. JENNINGS NELSON, Chicago, Ill. Filed Nov. 5, 1923. Serial No. 672,756. 2 Claims. (Cl. 265—45.)



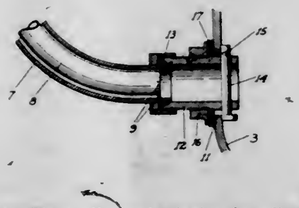
1. In a hydrometer syringe, the combination of the central transparent body of the syringe, and a plurality of longitudinal bars integrally connected together by end rings of a flat band form adapted for frictional holding contact with the inner surface of said transparent body.

1,503,333. GRAB. ALMON E. NORRIS, Brookline, Mass. Original application filed Sept. 9, 1921, Serial No. 499,395. Divided and this application filed May 23, 1923. Serial No. 640,892. 6 Claims. (Cl. 37—184.)



1. In a grab bucket, the combination of a shell, a unitary frame presenting a reinforcement for the upper margin of said shell at all sides thereof, and means by which said shell is secured to said frame but may be removed and replaced.

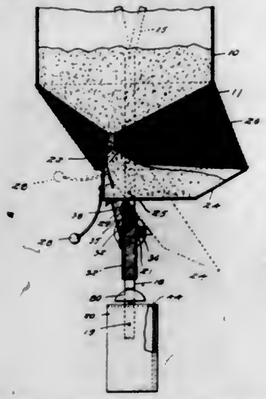
1,503,334. OIL RESERVOIR FOR MOTORS. ROLLA V. NORRIS, Porterville, Calif. Filed Jan. 10, 1923. Serial No. 611,826. 4 Claims. (Cl. 184—103.)



2. In an auxiliary oil supply device for oil reservoirs, an oil pipe, an air pipe extending inside the same, and terminating adjacent the lower end thereof, a sleeve member to the outer end of which the oil pipe is attached, a pin extending transversely through the sleeve adjacent its inner end, said pin being arranged to be inserted diagonally through an enlarged orifice in the wall of the reservoir, and to then bear against the inner face thereof on both sides of the sleeve, and a nut screwed on the sleeve outside the wall and adapted to be moved into frictional engagement therewith and to then close the wall orifice.

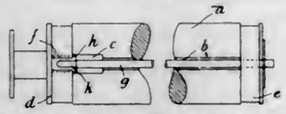
1,503,335. CHICKEN FEEDER. FAY E. ROSE, Montague, Mich. Filed Mar. 19, 1923. Serial No. 626,067. 3 Claims. (Cl. 161—10.)

1. A chicken feeder comprising a tank, a supporting means on said tank, a dump pan pivotally mounted on said supporting means, below said tank, a clock mounted on said supporting means, electrical contacts on the face of said clock and cooperating with said contacts, an electric circuit adapted to be closed by said hands and including said contacts, an electric bell in said circuit, two sets of magnets on said supporting means and included in said circuits, means operated by one of said magnets



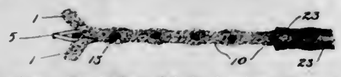
for releasing said dump pan when said circuit is complete and said other magnet adapted to hold said pan in dumping position.

1,503,336. ROLLER BLIND AND THE LIKE. ROBERT COUPAR ROSS, Dundee, Scotland. Filed June 6, 1923. Serial No. 643,607. 4 Claims. (Cl. 156—25.)



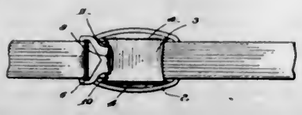
2. Apparatus wherein a length of material is attached to a roller comprising at least one loop on the material, a rod adapted to pass through said loop, a groove in said roller in which said rod is adapted to lie, an end cap on each end of said roller under which said rod is secured, a sleeve on said rod adapted to lie in said groove and to pass under one of said end caps to retain the rod in the groove and means to facilitate the operation of said sleeve to release said rod.

1,503,337. INSULATION FABRIC. WILLIAM R. SEIGLE, New York, N. Y. Filed Jan. 6, 1920. Serial No. 349,734. 10 Claims. (Cl. 154—28.)



1. A sheet insulation fabric having therein between and everywhere spaced from its superficial faces a thin and flexible textile strengthening component having interstices therein, and having a thin, homogeneous waterlaid, mineral-fibre-paper insulating substance free from organic inclusions occupying all of the remaining space between said superficial faces, including said interstices.

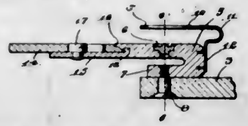
1,503,338. BUCKLE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed June 23, 1923. Serial No. 647,325. 6 Claims. (Cl. 24—191.)



1. In a buckle, a buckle frame comprising a front plate having marginal rearwardly and inwardly turned portions, and a back member embodying a back plate

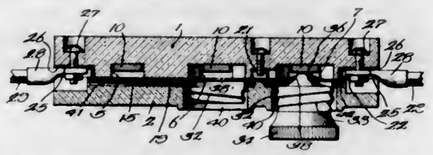
having side flanges along two edges formed with outwardly turned lips abutting the rear face of the front plate and received under the marginal inwardly turned portions.

1,503,339. WORK-HOLDING MEANS FOR STAPLING MACHINES OR THE LIKE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Oct. 19, 1923. Serial No. 669,595. 2 Claims. (Cl. 1—4.)



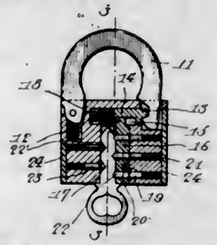
2. A work holding means for stapling machines or the like comprising a base portion, an anvil overhanging the base portion about which the loop forming piece is adapted to be passed, a die in the upper surface of the anvil, an extension on the free end of the anvil provided with a projection, an overhanging portion at the inner end of said extension, and a receiving member for receiving a plurality of stapled loops having an opening receiving said projection, and an end extending under the overhanging portion.

1,503,340. PANEL BOARD. HERMON L. VAN VALKENBURG, Milwaukee, Wis. Filed Oct. 14, 1922. Serial No. 594,472. 6 Claims. (Cl. 175—371.)



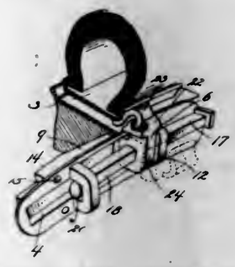
2. A panelboard for electric distribution having units consisting of two blocks of insulating material and a parting sheet lying between them, one of the blocks having channels for accommodating the bus bars, and screw sockets overlying the parting sheet and provided with conductors adapted to be connected to the consumption circuits, the second block having apertures for accommodating said screw sockets and for permitting screw plugs to penetrate the upper block to reach the screw sockets, the parting sheet having apertures at the center of the screw socket through which the center contacts of the plugs may reach the bus bars.

1,503,341. PADLOCK. JACQUES ALLAIN, Montreal, Quebec, Canada. Filed June 14, 1923. Serial No. 645,425. 1 Claim. (Cl. 70—96.)



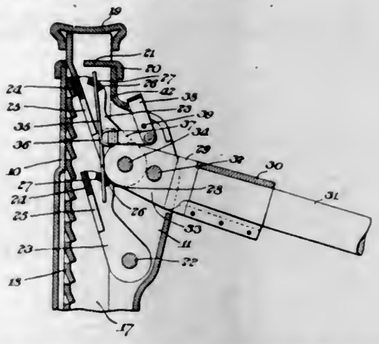
A lock comprising a body and a shackle, a bolt adapted to lock the shackle within the body, a movable element within the body adapted to draw said bolt out of engagement with the shackle, said element having a longitudinal key slot, pins, slidably mounted in the movable element and adapted to extend into the body and into one edge of the slot, spring pressed followers mounted in the body and adapted to act on said pins, additional spring pressed followers mounted in the body and adapted to extend to the opposite edge of the said slot, and balls mounted in the movable element and engaged by the last named followers.

1,503,342. DEMOUNTABLE-RIM LUG. WILLIAM A. ANTILOTTI and EDGAR C. JONES, Atlanta, Ga. Filed June 21, 1921. Serial No. 479,289. 24 Claims. (Cl. 301—11.)



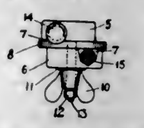
1. In combination a felly, a demountable rim therefor, a plurality of lugs for securing said rim mounted on said felly and constructed to swing outwardly in a plane at right angles to the longitudinal plane of said felly, means slidable longitudinally in either direction to respectively tighten and loosen said lugs.

1,503,343. LIFTING JACK. WALTER G. ARMSTRONG, Bridgeport, Conn., assignor to The American Tube and Stamping Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 23, 1921. Serial No. 502,731. 10 Claims. (Cl. 254—111.)



1. A device of the class described comprising a casing, a lifting rack slidably mounted therein, a lever pivoted in said casing, and a hollow lifting pawl carried by said lever and engaging the teeth of said rack, said pawl having a front wall, side walls and an ear projecting from one side wall toward the other and perforated to receive an actuating spring.

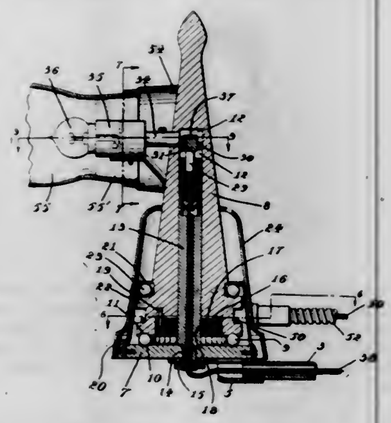
1,503,344. UNIVERSAL CLAMP. ANDREW HAMILTON BAIRD, Edinburgh, Scotland. Filed Mar. 10, 1922. Serial No. 542,717. 2 Claims. (Cl. 287—14.)



1. A universal clamp comprising the combination of a bolt, a head on said bolt, a block loose on said bolt, notches in the opposing inner faces of said bolt head and

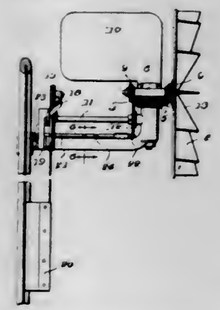
block, an unnotched loose rotatable disc between said bolt head and block and providing bearing surfaces common to both the head and block and a nut on said bolt for clamping the parts together.

1,503,345. INDICATOR. TOM BINGHAM, Montreal, Quebec, Canada. Filed July 22, 1922. Serial No. 576,732. 3 Claims. (Cl. 116—46.)



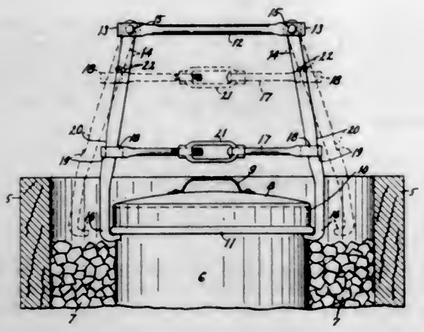
1. A direction indicator comprising a base, a rotatable supporting element superposed on said base, said element having a longitudinal bore and a recess formed in its lower face, a bushing fitted in said bore, a spring within said recess and having its ends secured to said bushing and supporting element, said spring being normally under tension, a signal device carried by said supporting element, and means for retaining said element in adjusted positions against the action of the spring.

1,503,346. WINDSHIELD CLEANER. EDWARD BLUMER, Dayton, Ohio. Filed Apr. 19, 1923. Serial No. 633,181. 2 Claims. (Cl. 15—253.)



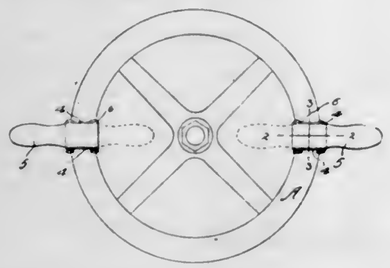
2. A device of the class described comprising a frame, a vertical shaft journaled therein, a horizontal bearing connected with the top of the shaft, a gear loosely mounted on the shaft and resting against a part of the frame, a horizontal shaft passing through the bearing, a wind wheel attached to said shaft, a gear connected with the horizontal shaft and engaging the first mentioned gear, a crank wheel, means for connecting the same with the first mentioned gear, an oscillating arm, a pitman connecting the same with the crank of the wheel, a wiper carried by said arm and means for preventing the rotation of the wind wheel when desired.

1,503,347. ICE-CREAM-CAN LIFTER. AUGUST BRUNES, Pequot, Minn. Filed June 7, 1923. Serial No. 643,980. 5 Claims. (Cl. 294—115.)



1. In a lifting device of the class described, a horizontal handle bar, two arms pivotally suspended one from each end of the handle bar and having its lower end formed with one or more hooks turned inward toward a similar hook or hooks on the other arm, a second horizontal bar below the handle bar and having its ends formed with loops slidable on the arms and adapted to spread them when raised and close them when lowered.

1,503,348. ATTACHMENT FOR TRACTORS. HENRY F. BRUHN, Herndon, Kans. Filed Aug. 20, 1923. Serial No. 658,405. 1 Claim. (Cl. 74—33.)

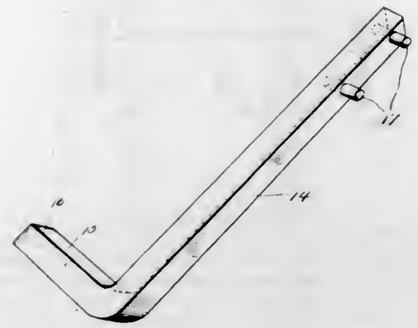


In combination with a steering wheel, a pair of blocks recessed to receive a portion of the rim of the wheel between them, bolts for connecting the blocks together, flanges on the upper block, a handle pivoted to the flanges and said handle and flanges having holes therein for receiving a pin to lock the handle in operative position.

1,503,349. AUTOMOBILE WRENCH. JOHN ALLEN CLAY, Miami, Fla., assignor of one-half to Robert H. Hull, Miami, Fla. Filed May 31, 1923. Serial No. 642,634. 1 Claim. (Cl. 81—90.)

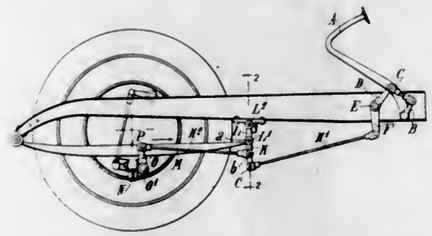
A combined spanner wrench and hand crank adapted for specific use in rotating a crank shaft which has a flange provided with bolt holes, to which flange a removable portion is bolted, and which flange has a polygonal socket in its outer end, both before and after removal of said removable portion, said wrench comprising a handle having a plurality of spaced pins extending laterally in the same direction adjacent one end thereof for engagement with a pair of said bolt holes, and the other end

of said handle being bent angularly in the opposite direction from said pins and being polygonal shaped at its bent extremity for engaging said socket, said angularly



bent end being also adapted to act as a crank when said pins are in engagement with a pair of said bolt holes for turning the flanged portion of said crank shaft.

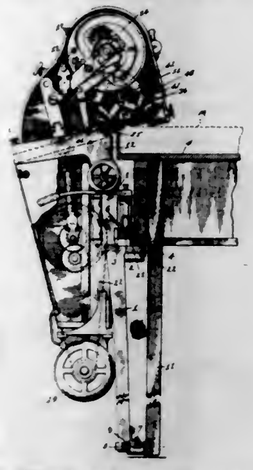
1,503,350. BRAKE-ACTUATING MECHANISM. ROBERT EMILE CHARLES DELEVOYE, Paris, and EMILE ALBERT FRANÇOIS DUMAINE, Neuilly-sur-Seine, France, assignors to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France. Filed Jan. 3, 1923. Serial No. 610,493. 4 Claims. (Cl. 188—190.)



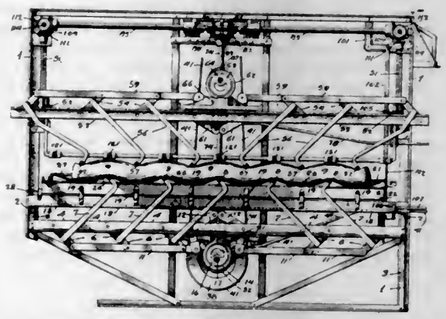
4. A brake actuating mechanism comprising in combination with a chassis: a suspension spring for an axle, a brake pedal, a movable arm connected to said chassis and to which the free end of said spring is connected, a brake operating lever, a link pivoted to said arm, a rod having its ends connected to said link and to said brake-operating lever, and a second rod connecting said brake pedal and said link, the ratio between the distance of the point at which the link is pivoted and the point thereof at which the first rod is connected, and the distance between this latter point and the point where the second rod is connected being equal to the ratio between the total length of said spring and the length thereof comprised between its point of direct connection to the chassis and the point where said spring is fixed to the axle.

1,503,351. MATTRESS-ROLL-FORMING MECHANISM. JOSEPH W. DROLL, Chicago, Ill., assignor to Droll Patents Corporation of Delaware, a Corporation of Delaware. Filed July 18, 1922. Serial No. 575,813. 18 Claims. (Cl. 112—3.)

1. In a mattress stitching machine, a roll forming mechanism comprising a pair of pivotally mounted packing needle guides; a pair of packing needles slidably mounted upon said guides; means for moving said needles longitudinally along said guides to enter a mattress adjacent a corner thereof; and means for pivotally moving the guides and the needles carried thereby to pack stuffing into said corner to form a roll therealong.

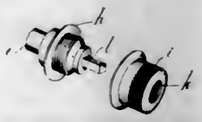


1,503,352. MATTRESS-BEATING MACHINE. JOSEPH W. DROLL, Chicago, Ill., assignor to Droll Patents Corporation of Delaware, a Corporation of Delaware. Filed May 28, 1923. Serial No. 642,060. 28 Claims. (Cl. 226—43.)



1. A mattress beating machine comprising upper and lower beating elements; and means for suspending a mattress between said elements whereby both sides of said mattress may be engaged simultaneously by said beating elements.

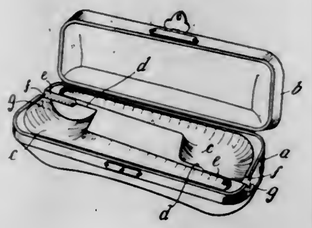
1,503,353. RECORDING PRESSURE GAUGE, INDICATOR, AND OTHER MEASURING INSTRUMENT. ALEXANDER L. DUGON, London, England. Filed July 26, 1922. Serial No. 577,586. 2 Claims. (Cl. 234—1.)



1. In a recording device, the combination of a spindle, clock mechanism including a main spring connected to said spindle, a pawl and ratchet mechanism connected to said spindle and operated thereby, whereby the spindle is rotated under influence of the main spring, said

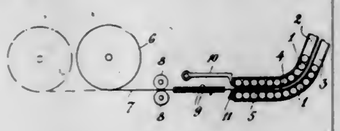
spindle being rotatable in the poposite direction to wind up the spring, means mounted on the outer end of the spindle for clamping and holding a chart directly to and on the spindle so that the chart will rotate with the spindle, and means engaging with the arbor through the nut and independent of said clamping and holding means, whereby the outer end of said spindle may be engaged to wind the clock mechanism without tightening or otherwise affecting the said clamping and holding means.

1,503,354. CASE FOR PIPES AND FOR CIGAR AND CIGARETTE HOLDERS. ALFRED DUNHILL, London, England. Filed Aug. 25, 1921. Serial No. 495,251. 1 Claim. (Cl. 206—41.)



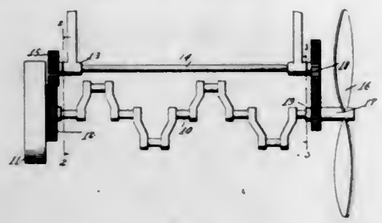
A pipe case comprising a pair of opposed hingedly connected portions adapted to be closed together for housing a pair of pipes, a mold block fitting in one of said portions of the case and having longitudinal recesses at its opposite longitudinal edges for accommodating the stems of the pipes, said mold block also having at each end a cavity conforming in contour to the side of a pipe bowl and each cavity opening at its bottom portion into the adjacent end of the adjacent longitudinal recess, said pipe bowl cavities overlapping and said mold block having a partition wall between the outer end of each bowl cavity and the adjacent end of the pipe stem recess for nesting the pipes in the case, said partition walls of the mold block having venting recesses therein with a recess in the inner side of the partition opening into the bowl cavity and extending to approximately the central portion of the outer end of the cavity, said venting recesses extending outwardly in opposite directions through the ends of the mold block, and the adjacent portion of the case having vent openings therethrough in registry with said recesses in the partition wall.

1,503,355. ASSEMBLING APPARATUS FOR CARDS AND GROUPED CIGARETTES. GUNNAR CHRISTIAN EKSTRÖM, Stockholm, BROR ANDERS EMIL JOHNSON, Appelviken, near Stockholm, and GUSTAF ÖBSTRÖM, Stockholm, Sweden, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Corporation of Sweden. Filed Nov. 5, 1923. Serial No. 673,038. 2 Claims. (Cl. 226—2.)



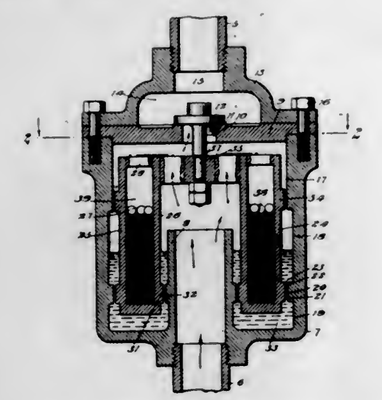
1. In a device for supplying cards to portions of a matter to be packeted the combination of means for cutting cards from a band, a holder for the portion to be packeted, and means positively moving the card portion of the band into its proper place for being incorporated with the said portion.

1,503,356. PROPELLER DRIVE. SAMUEL T. ELLIOTT, Big Cabin, Okla. Filed Nov. 11, 1922. Serial No. 600,325. 1 Claim. (Cl. 244—25.)



In combination, a crank shaft, a propeller having a hub rotatably mounted on said crank shaft at one end thereof, a fly wheel secured to the crank shaft at the opposite end thereof, a jack shaft rotatably supported in bearings in spaced relation to the crank shaft, gears of different ratios secured to the opposite ends of the jack shaft, a relatively large gear fixed on said crank shaft and meshing with the smallest gear secured to the jack shaft, and a relatively small gear fixed on the hub of the propeller and meshing with the largest gear secured to the jack shaft.

1,503,357. GOVERNOR VALVE. WILLIAM B. ENSIGN, New York, N. Y. Filed Apr. 7, 1922. Serial No. 550,508. 8 Claims. (Cl. 137—53.)

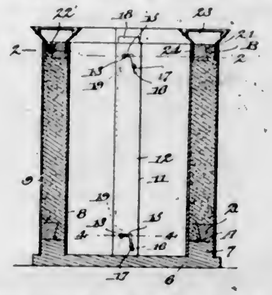


1. A constant pressure valve, comprising a valve seat, a valve member adapted to rest on said seat, a weight for normally holding said valve member on said seat and for causing the same to be re-seated, a casing enclosing said weight, valve member and seat, said casing being provided with an inlet on one side of said seat and an outlet on the opposite side and means co-acting with said casing for receiving oil and part of said weight whereby a dash-pot structure will be provided, which dash-pot structure acts to make the action of said valve more smooth.

1,503,358. CONCRETE MOLD. ALFRED H. EVANS, Bronx, N. Y. Filed Dec. 9, 1922. Serial No. 605,891. 10 Claims. (Cl. 25—127.)

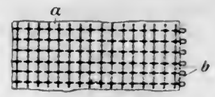
1. A mold embodying a platform having an annular collar, a split outer wall embracing the collar, an inner split wall embraced by the collar, means for contracting the outer wall against said collar, means for expanding the inner wall against said collar, split expansible annular means resting upon the collar and spaced from one of said walls, and a split ring interposed between the

walls at the opposite ends thereof and spaced from the wall adjacent to which the said split expansible annular means is arranged; the inner face of the said annular



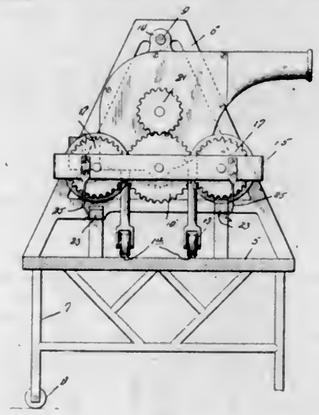
means and the outer face of the ring each being inclined so that the spaces between said faces and the walls adjacent thereto are gradually restricted.

1,503,359. ABSORBENT PAD. EJNAR FABRICIUS-BJERRE, Fredericksberg, near Copenhagen, Denmark. Filed Feb. 20, 1924. Serial No. 694,113. 3 Claims. (Cl. 128—296.)



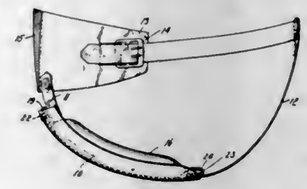
1. A device of the character described including a pad-like body formed of absorbent fibrous material of suitable shape and thickness, and a gauze-like covering of cross threads arranged on one side only of the pad-like body with threads of the covering entering into an inseparable connection with the pad-like body.

1,503,360. AUTOMATIC LAWN-WATERING MACHINE. WILLIAM P. GARDNER, Governors Island, N. Y. Filed Nov. 30, 1923. Serial No. 677,727. 3 Claims. (Cl. 299—49.)



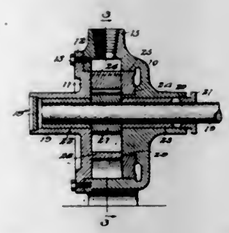
1. In an automatic watering machine of the character set forth, a stand, a fluid discharge nozzle rectilineally movable in opposite directions upon said stand and adapted for connection with a source of fluid supply, a water wheel within said nozzle and adapted to be rotated by the passage of the fluid therethrough, means operatively connected to said water wheel whereby said nozzle is automatically rectilineally moved in opposite directions upon said stand, said means comprising a gear frame pivotally connected to said nozzle and within which is journaled a central and a pair of end gears, said central gear being operatively connected to the water wheel within the nozzle, worm gears carried by said end gears, longitudinal rack bars carried by said stand and supported at different elevations and adapted to be engaged by said worm wheel, and means for automatically swinging said gear frame upon its pivot for alternately engaging said worm wheels with their respective rack bars.

1,503,361. CATAMENIAL APPLIANCE. CHRISTOS GIMURTSINA, New York, N. Y., assignor, by mesne assignments, to Sphinx Sanitary Appliance Co., New York, N. Y., a Firm. Filed Mar. 17, 1923. Serial No. 625,787. 1 Claim. (Cl. 128—291.)



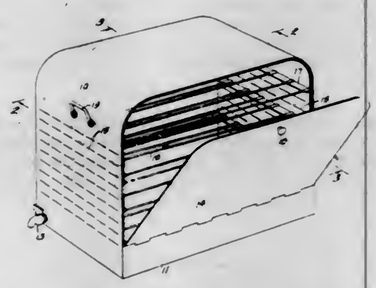
An appliance of the character described comprising an apron, a pad of absorbent material thereon, a flap on the front portion of said pad, a flap on the rear portion of said pad, each flap being provided with a button-hole, and two buttons on said apron for engagement with said button-holes, said flaps being folded back onto themselves, thereby covering said buttons when the holes therein are engaged with said buttons.

1,503,362. ROTARY PUMP. HIRAM H. HAIGHT, Milwaukee, Wis. Filed Mar. 23, 1922. Serial No. 546,069. 1 Claim. (Cl. 103—126.)



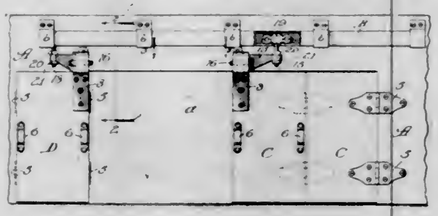
A rotary pump of the class described including a casing presenting spaced heads forming a cylindrical chamber having an inlet and an outlet, said casing having an annular groove in one of said heads of said chamber, bearings in the opposite heads of the casing, said groove being concentric and said bearings eccentric to said chamber, the said groove being radially outward of the eccentrically disposed bearing surfaces, a pair having an annular body revoluble in said groove and the teeth of said gear projecting from the face of said annular body and presenting interdental spaces, the teeth and spaces extending across said cylindrical chamber and the spaces extending from the interior to the exterior of the teeth to communicate with said cylindrical chamber at the interior and exterior of the teeth, a drive shaft supported in said eccentric bearings and therefore eccentric to said gear said shaft being supported in both heads of the casing, a pinion fixed on said shaft in said chamber and with in said gear teeth and meshing with said teeth at one side of the pinion, and a crescentic element disposed between the opposite side of the pinion and said gear.

1,503,363. SERVER. REBECCA A. HALL, Cincinnati, Ohio, assignor of one-half to Ruth E. Hall, Cincinnati, Ohio. Filed June 6, 1923. Serial No. 643,817. 1 Claim. (Cl. 53—2.)



1. A server of the class described, comprising a casing having a closed top and adapted to contain water in the lower portion thereof, a door on the body at the front and hingedly connected at its lower edge to the casing above the water level of the latter, a superimposed series of skeleton racks spaced apart in the casing, and said casing having openings in its end walls distributed throughout substantially their entire area above the water level and permitting unobstructed communication between the interior of the casing and the atmosphere.

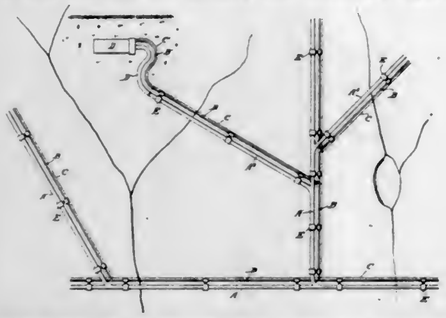
1,503,364. DOOR-HANGER MECHANISM. JOHN B. HOWAT, Sharon, Pa., assignor to Sharon Hardware Manufacturing Company, Sharon, Pa., a Corporation. Filed Dec. 6, 1918. Serial No. 265,505. 3 Claims. (Cl. 20—20.)



1. In a door structure, the combination with a track and a trolley mounted thereon, of a connecting link pivoted at its inner end to said trolley, a connecting bar adapted to be attached to the door and to project above the upper edge thereof, said connecting bar extending outside of and over the outer end of said link, and a pivot pin extending inside of said connecting bar and through the outer end of said link, said pivot pin having a downwardly extended upper end adapted to engage the connecting bar and to limit the swinging movement of the connecting link.

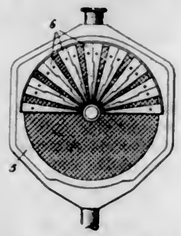
1,503,365. METHOD AND APPARATUS FOR HANDLING AND TRANSPORTING SUGAR CANE. SIMES T. HOYT, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a Corporation of Hawaii. Filed Apr. 28, 1923. Serial No. 635,371. 4 Claims. (Cl. 302—24.)

1. The method of conveying chopped cane or similar material to a mill, through a conduit leading from the harvesting field to the mill, which consists in adding a fluid to the said cane, leading the mixed cane and fluid to the receiving end of the conduit, dividing the mixture of cane and fluid into sections, and directing a blast of



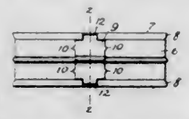
compressed air against the separate sections, whereby to impel them towards the discharge end of the conduit, substantially as described.

1,503,366. RADIATOR COVERING. PAUL JARAY, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,568. 2 Claims. (Cl. 257—132.)



2. In a device of the kind described in combination, a radiator, a plurality of streamlined shutters in two parts hinged together disposed radially in front of said radiator and means for spreading said shutters apart and for closing them.

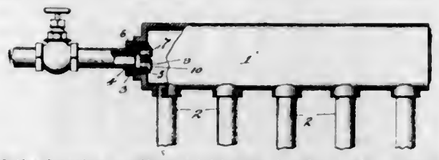
1,503,367. HINGE FOR VANITY CASES. WILLIAM G. KENDALL, Newark, N. J. Filed Dec. 13, 1922. Serial No. 606,659. 2 Claims. (Cl. 220—32.)



1. A device of the character described comprising a receptacle, a plurality of covers therefor, each of said covers being formed with a bead and a flange, a plate carried by the receptacle and having a tongue on each of its ends, and a wire carried by the bead on each of said covers and adapted for engagement with its respective tongue of said plate to pivotally secure the covers to the receptacle.

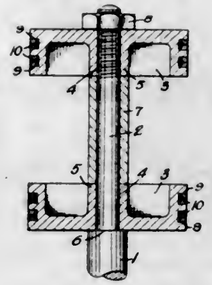
1,503,368. HEATING APPARATUS AND METHOD OF OPERATING SAME. HENRY A. KIESELBACH, Montclair, N. J., assignor to Johns-Manville, Inc., a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,706. 6 Claims. (Cl. 257—154.)

2. In a heating apparatus, the combination of a header; a plurality of pipes extending laterally therefrom; a bushing mounted in an opening at one end of the header; and a plurality of deflecting vanes carried by the bushing, said vanes serving to prevent the formation of any jet



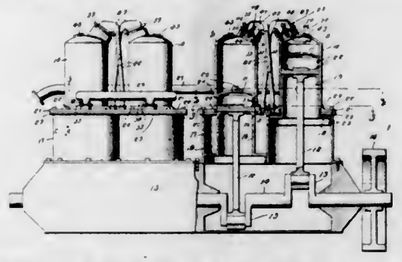
of the heating medium within the header and to effect a substantially even distribution of the medium throughout the length of the header and consequently to the pipes.

1,503,369. PISTON. JOSEPH PIERRE LAVOIE, Montreal, Quebec, Canada. Filed Apr. 21, 1921. Serial No. 463,175. Renewed Dec. 17, 1923. Serial No. 679,767. 1 Claim. (Cl. 74—108.)



A piston, comprising a rod having a reduced portion providing a circumferential shoulder at the point where such portion begins; a cup-shaped head abutting against said shoulder and formed with a central bearing collar through which said reduced portion passes; a spacing sleeve of substantially the same external diameter as said collar fitted on said reduced portion and abutting at one end directly against the free end of the collar, the said reduced portion projecting beyond the other end of said sleeve and having a threaded terminal; a second cup-shaped head disposed in inverted relation to the first head and formed with a central bearing collar of the same external diameter as the first collar which rests directly upon the adjacent end of the spacing sleeve and through which the said reduced portion of the piston rod projects; and a fastening nut threaded on the terminal of said portion and tightened against the outer face of the second head.

1,503,370. INTERNAL-COMBUSTION ENGINE. FRANK C. MARTIN, Plattsmouth, Nebr., assignor to Mathew F. Martin, Omaha, Nebr. Filed May 16, 1921. Serial No. 469,791. 1 Claim. (Cl. 123—59.)



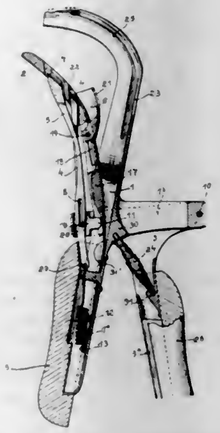
An internal combustion engine of the two-cycle type having twin cooperating units each comprising main and auxiliary cylinders and main and auxiliary pistons operative respectively in the main and auxiliary cylinders, the pistons in the twin units moving in opposing relation and connected to a common crank shaft, the auxiliary cylinders being coaxial with and of greater diameter than the main cylinders to provide an annular ledge engaged by the bases of the main cylinders, an intake manifold arranged at one side of the main cylinders and above the auxiliary cylinders and having branches leading into the auxiliary cylinders through openings in said bases and ledges, the openings in said ledges each having an annular flange, valve cages positioned in said openings having annular ribs resting on packing rings carried by the flanges, flanges on the ends of the branches of the intake manifold which extend into the openings, packing nuts clamping said branches and valve cages in place and holding the intake manifold to the engine block, conductors connected with openings in the ledges and having valved communication with the outer ends of the main cylinder, said conductors crossing and leading from the auxiliary cylinder of one unit to the main cylinder of the other unit, and exhaust ports in the sides of the main cylinders and adapted to be uncovered when the main pistons descend a predetermined distance in the cylinders.

1,503,371. ATTACHMENT FOR GAS ENGINES. JOSEPH P. MEYER, Mapleton, Iowa. Filed July 23, 1923. Serial No. 653,280. 2 Claims. (Cl. 48—180.)



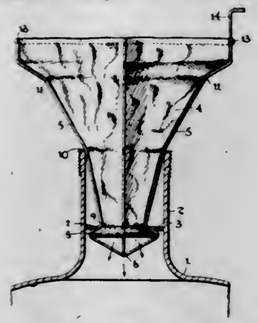
1. An attachment for a gas engine comprising a plate interposed between the carburetor and intake manifold of the engine and provided with a plurality of conical openings having their smaller ends directed toward the said manifold, and valved air intakes in the edge portion of the plate.

1,503,372. APPARATUS FOR KILLING POULTRY. OTTO CARL PACHOLKE, Brooklyn, N. Y. Filed Apr. 16, 1923. Serial No. 632,513. 12 Claims. (Cl. 17—1.)



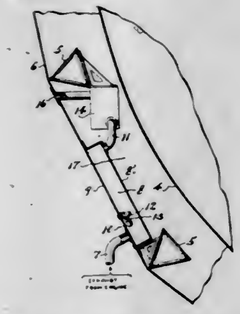
1. In an apparatus for killing poultry, the combination, with an outer member bent into the form of a hook and formed with a depression and adapted to receive the head of the animal, of an inner member jointed to said outer member and adapted to be moved towards the same, piercing and cutting tools guided within said inner member, and an operating member adapted to operate said piercing and cutting members.

1,503,373. FUNNEL. HERSCHEL G. PARKER, Philipsburg, Pa. Filed June 30, 1923. Serial No. 648,819. 2 Claims. (Cl. 226—38.)



1. A funnel adapted for use in a filling spout, comprising an expansible and contractile flaring frame, consisting of substantially V-shaped members, the apex of one member within and resting upon the other at its apex and disposed transversely thereto, said frame being shiftable lengthwise of the filling spout for assuming its open or closed position, a body of compressible material open at each end and surrounded by and connected to the frame, an annulus surrounding said frame and adapted to be secured within a filling spout, a shoulder formed in each arm of each frame member adjacent the apex of each member for coacting with said annulus to prevent the withdrawal of the funnel from the spout when the funnel is in open position, and a grasping member, extending from one of said arms above the upper edge of the funnel.

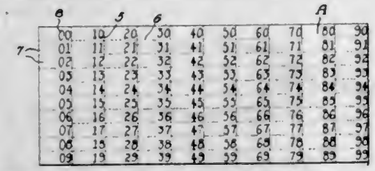
1,503,374. HEAT-TRANSFER SYSTEM FOR AIRCRAFT. HUMPHREY F. PARKER, New York, N. Y. Filed Apr. 28, 1922. Serial No. 557,229. 9 Claims. (Cl. 244—31.)



6. A method of water recovery for ballasting aircraft consisting in passing engine exhaust gases against the inner surface of an exterior wall of said aircraft the outer surface of said exterior wall being exposed to the air stream, whereby water is condensed from said exhaust gases on said inner surface, and then collecting said condensation for delivery to ballast tanks.

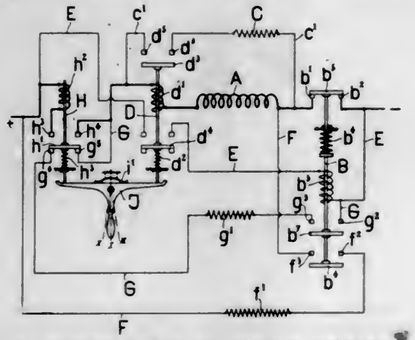
1,503,375. PROCESS OF PRINTING CONSECUTIVE NUMBERS. OVERTON W. PENDERGAST, Terre Haute, Ind. Filed Aug. 17, 1921. Serial No. 493,036. 3 Claims. (Cl. 101—426.)

1. Those steps in the method of printing numerals in succession on an ordinary printing press, consisting of taking a plurality of sheets containing a plurality of forms, printing consecutive digits in units on the forms, taking different groups of the sheets and prefixing digits of consecutive valuations on each group of sheets before the digits previously formed, whereby numerals on the



sheets of consecutive valuation, starting from units and terminating in thousands will be formed.

1,503,376. DEVICE FOR CUTTING AN INDUCTIVE RESISTANCE OUT OF CIRCUIT WITHOUT SPARKING. JAKOB PFRETZSCHNER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Sept. 26, 1921. Serial No. 503,251. 10 Claims. (Cl. 175—294.)



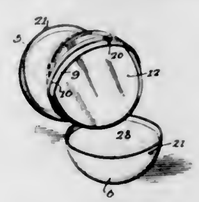
1. In combination with an inductive resistance connected in a main circuit, a resistance element connected in shunt with said inductive resistance, a switch in said shunt circuit, an electro-magnetically controlled switch in said main circuit, means for exciting the windings of said electro-magnetically controlled switch from said main circuit, a switch for controlling said excitation and common means for controlling said last named switch and said shunt circuit switch whereby they being closed, said main circuit switch is opened.

1,503,377. UNDERREAMER. JOHN WILLIAM PIPPIN, Oklahoma City, Okla. Filed Sept. 24, 1920. Serial No. 412,457. 16 Claims. (Cl. 255—75.)



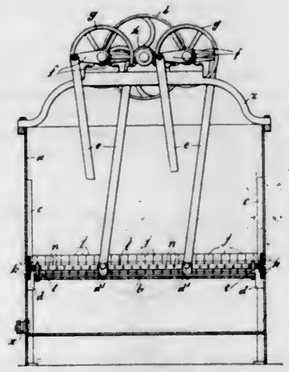
1. In an underreamer, the combination with the body and the bits supporting mandrel in the body, of means for slidably connecting the mandrel to the body, said means comprising oppositely arranged keyways extending longitudinally of the body, the mandrel having an opening registering with the keyways, and a key passing through said opening and keyways, the body and the key having inter-engaging mechanism for permitting longitudinal movement of the key with respect to the body and for preventing longitudinal movement of the key, said means comprising ribs at the ends of the key and portions of the key-ways of the body being cut away to permit movement of the key vertically with respect to the body.

1,503,378. TOILET CASE. ALBERT T. REID, Leavenworth, Kans. Filed June 9, 1923, Serial No. 644,384. Renewed May 23, 1924. 3 Claims. (Cl. 132—83.)



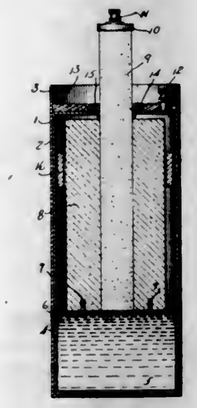
2. A toilet case comprising casing sections, a hinge connecting the same, a locking ring adapted for engagement with both casing sections, a reflecting element pivotally mounted within the locking ring, a leaf spring mounted upon the locking ring within the same and between it and the reflecting element, and bolts carried by the leaf spring for engagement with the casing sections.

1,503,379. APPARATUS FOR MIXING, GRINDING, REFINING, OR TREATING LIQUID MATERIAL, SUCH AS LIQUID CHOCOLATE. JOHN CALDWELL ROBINS, Birmingham, England. Filed Mar. 20, 1923. Serial No. 626,334. 5 Claims. (Cl. 259—112.)



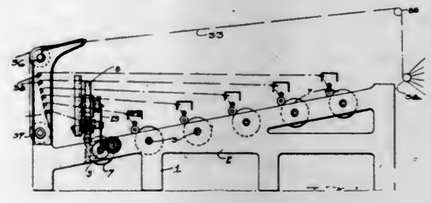
1. Apparatus for mixing, grinding, refining or treating liquid or semiliquid material such as liquid chocolate, comprising a receptacle, a pair of horizontal beater plates located side by side within the receptacle, means for imparting a simultaneous and opposite vertical reciprocating movement to said beater plates, means provided upon said beater plates for grinding the solid ingredient of the material by rubbing contact with the walls of the receptacle, and a series of grinder plates secured along one side and across both ends of each beater plate, each grinder plate being of a flexible character.

1,503,380. BATTERY CONSTRUCTION. DAVID ROSEN, New York, N. Y., and CONRAD SCHICKERLING, Weehawken, N. J.; said Schickerling assignor to Samuel Rubinsky, New York, N. Y. Filed Nov. 10, 1921. Serial No. 514,299. 4 Claims. (Cl. 204—38.)



1. A battery comprising a container forming one pole of the battery, a second pole of the battery disposed within said container, a spacing ring between said pole to hold the inner pole in position within the container, a portion of the inner pole extending out of the battery through the container, and an insulating sleeve around this portion of said pole to insulate the two poles.

1,503,381. MACHINE FOR FORMING YARN PACKAGES. ARTHUR L. REMINGTON, Worcester, Mass., assignor to Warp Compressing Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 23, 1922. Serial No. 538,643. 6 Claims. (Cl. 292—37.)

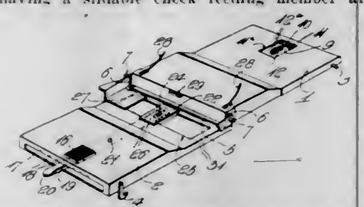


1. In a machine of the class described, the combination with a rotating shaft having a plurality of yarn carriers mounted thereon, of a member adapted to lead yarn to each of said carriers, and means for imparting a traversing movement to said member to form a separate yarn package on each carrier, the said member being attached to slides cooperating with guides, and adapted to be moved directly away from the center of said yarn carriers by the building of yarn on said carriers.

1,503,382. CHECK PROTECTOR. BEDRI SAAD, Yakima, Wash. Filed June 27, 1923. Serial No. 648,129. 4 Claims. (Cl. 197—6.4.)

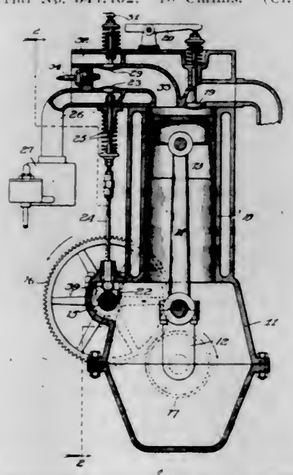
2. In a check printing device the combination of an upper casing, a disk revoluble in the casing and having numerals thereon, an inking pad arranged to bear on the numerals, a second casing secured to the first

casing, a plate secured to the hinging element of the casings, springs adapted to bear on the plate, a lever having a slidable check feeding member arranged



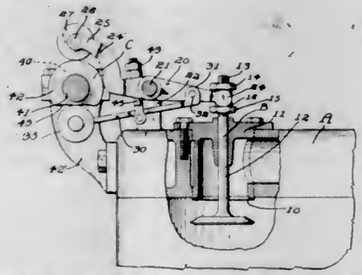
on one end thereof, and a platen mounted on the second casing and adapted to receive and bear against the numerals.

1,503,383. INTERNAL-COMBUSTION ENGINE. CHARLES E. SARGENT, Rock Island, Ill. Filed Mar. 17, 1922. Serial No. 544,452. 10 Claims. (Cl. 123—76.)



1. In an internal combustion engine, a cylinder, a piston movable therein, means for admitting air only to the cylinder during the first part of the suction stroke, and for admitting a combustible mixture only during the last part of said stroke, said means including a pocket into which said combustible mixture passes and means in said pocket for igniting said mixture.

1,503,384. VALVE GEAR FOR INTERNAL-COMBUSTION ENGINES. EDGAR S. SEWELL, West Scarboro, Me. Filed Nov. 28, 1921. Serial No. 518,337. 5 Claims. (Cl. 123—90.)



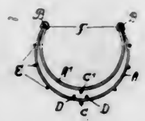
1. In an operating mechanism, a rocker arm, means for rockably supporting the arm intermediate its ends, a single cam shaft, a cam mounted upon the shaft having a projecting throw portion thereon, spaced cams mounted upon the shaft having indentations formed therein and disposed diametrically opposite the throw of the first mentioned cam, a roller carried by the outer end of the rocker arm for engaging the first mentioned cam, a resilient stub arm secured to the rocker arm at one side of its pivot point, and rollers carried by said stub arm for engaging the spaced cams.

1,503,385. MOP. PHILIP H. SIMON, Huntington, Ind. Filed Jan. 2, 1924. Serial No. 684,633. 2 Claims. (Cl. 15—138.)



1. A mop comprising a tubular handle, a hand-grip having a threaded connection with the rear end of said handle for movement along the same when rotated, a rod extending longitudinally through said handle and connected to said hand-grip for movement bodily therewith, and mop cloth gripping means carried by the front end of said handle and operatively associated with the front end of said rod to be actuated thereby.

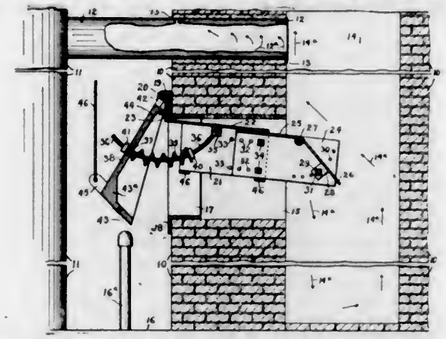
1,503,386. SHOCK ABSORBER FOR AERIAL VEHICLES. KARL STAHL, Friedrichshafen, Germany, assignor to Luftschiffbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany, a German Corporation. Filed June 28, 1920. Serial No. 392,597. 4 Claims. (Cl. 244—2.)



2. The combination with an airship gondola, of a shock absorbing resilient skeleton structure formed substantially like a boat's hull and mounted below and in contact with the bottom of the gondola and a second skeleton structure of smaller volume inserted in and connected with said first structure with a clearance between the bottom portions of said structure.

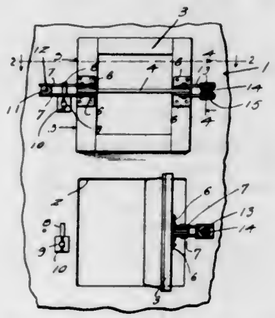
1,503,387. FUEL-SAVING DEVICE. ARTHUR H. STURGES, Omaha, Nebr. Filed Mar. 24, 1924. Serial No. 701,593. 6 Claims. (Cl. 126—285.)

1. In a fuel economizer, a frame adapted to be mounted in the wall of a chimney, a door hinged to the frame for regulating draft through the frame, and a deflector connected to the door and projecting through the frame,



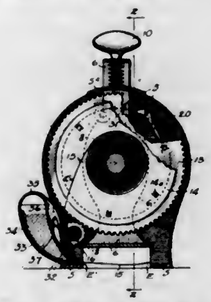
said deflector being adjustable simultaneously with the door as the latter is opened and closed.

1,503,388. SILO. LURI TABOR, Detroit, Mich. Filed June 16, 1923. Serial No. 645,785. 3 Claims. (Cl. 20—1.4.)



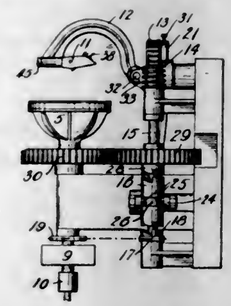
1. A silo having an opening in a side thereof, a door for closing said opening, a crossbar secured to the outer side of the door, spaced straps secured to an end portion of the crossbar, means for pivotally connecting said straps to the body of the silo at one side of the door opening, a member pivotally connected to the opposite end of the crossbar, and means mounted upon the silo and engaging the pivoted member and coacting therewith to hold the door in closed position.

1,503,389. STAMP-AFFIXING DEVICE. MATTHEW ARNOLD TAYLOR, Los Angeles, Calif. Filed Feb. 9, 1923. Serial No. 618,081. 11 Claims. (Cl. 216—25.)



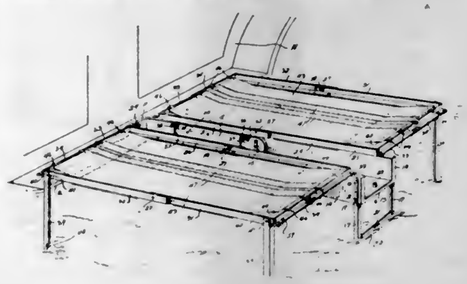
1. In a device of the kind described, the combination of means for feeding a strip of stamps, an actuator movable to operate such means to feed such strip to dispose a portion thereof in position to be severed and affixed to a piece of mail matter, means for moistening such portion during the feeding operation, means for severing such portion, means for affixing the severed portion to said piece, and means for controlling the feeding means, whereby to prevent any feeding at all of such strip on a movement of such actuator less than a predetermined minimum and for insuring the complete feeding of a single stamp on a movement of such actuator greater than such minimum and less than the full movement of the actuator required to affix a stamp.

1,503,390. PARING MACHINE. DWIGHT TENNEY, New York, N. Y., assignor to Franklin Baker Company, Philadelphia, Pa. Filed Apr. 1, 1922. Serial No. 548,882. 20 Claims. (Cl. 146—43.)



17. In a machine for paring coconuts, a rotatable chuck for supporting a coconut from one end, a rotatable shaft having driving connection with said chuck, a paring device having driving connection with the rotatable shaft and means associated with the shaft and driving connection for the paring device for reversing the direction of movement of the paring device.

1,503,391. FOLDING BED FOR AUTOMOBILES. JULIUS F. TESKE, Mobridge, S. Dak. Filed Apr. 16, 1923. Serial No. 632,506. 7 Claims. (Cl. 5—119.)



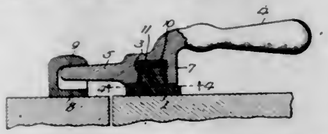
1. A folding bed structure of the character described comprising a box formed in two sections and adapted to be permanently hinged to the running board of an automobile, the sections of the box being adapted to be folded out into a horizontal position and aligned relation, the outer section of the box having folding legs at both ends whereby it may be supported from the ground, a foldable bed frame operatively mounted within the box adapted to be shifted to a horizontal position at right angles to one wall of the box, and a webbing constituting a bed operatively connected at its sides to the sides of the foldable bed frame and adapted to be operatively connected at its ends to the ends of the foldable bed frame.

1,503,392. COLD-MOLDING PROCESS AND PRODUCT THEREOF. VICTOR H. TURKINGTON, Chicago, Ill., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 24, 1923. Serial No. 634,389. 5 Claims. (Cl. 18—55.)

2. The hereindescribed process of making shaped articles containing a filling material and an infusible phenol resin binder, comprising cold-molding a composition containing a filling material, a potentially reactive phenol resin, and furfural; and thereafter heating the shaped article to a temperature sufficient to effect transformation of the potentially reactive resin but insufficient to vaporize a material proportion of the furfural, whereby the transformation is accomplished without substantial shrinkage or surface alteration of the article.

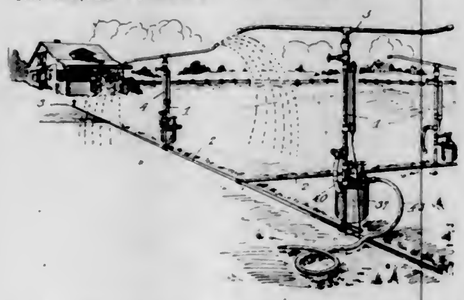
3. A cold-molded article comprising a filling material, an infusible phenol resin, and a high-boiling aldehyde.

1,503,393. DOOR LATCH. JOHN TWARDOWSKY, Chicago, Ill., assignor to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,513. 5 Claims. (Cl. 292—241.)



1. A door latch comprising a stationary pivot plate having a threaded stem, a lever threaded upon and rotatable on the stem, friction means interposed between the stem and the lever to retard movement of the lever, a stationary latch plate having a cam ledge adapted to be engaged by one end of the lever, and stop means carried conjointly by the pivot plate and the lever for positively limiting the movement of the lever.

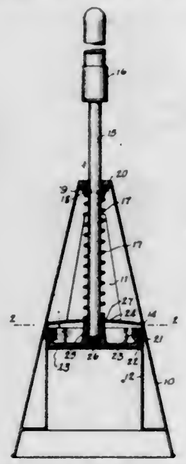
1,503,394. SPRAYER. CLÉMENT VACHER, Kelowna, British Columbia, Canada. Filed Jan. 29, 1923. Serial No. 615,724. 3 Claims. (Cl. 137—139.)



1. In combination with a fluid conveying standard, a valve for controlling the flow to said standard, a cylinder in fluid communication with the standard, a spring pressed piston in said cylinder, an operative connection between said piston and valve, a pin adapted to engage said connection and retain it against the action of the spring pressed piston; a gravity operable device for maintaining said pin in locking position and adapted to support a receptacle, and a drip cock associated with the standard and adapted to discharge into said receptacle.

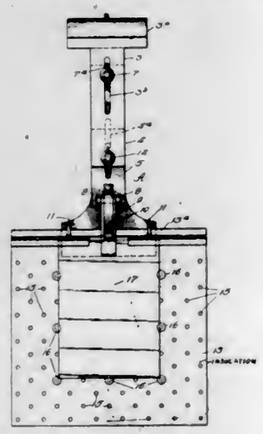
1,503,395. CLOTHES POUNDER. CON JAMES VASGREEN, Mogollon, N. Mex. Filed Mar. 7, 1923. Serial No. 623,456. 3 Claims. (Cl. 68—5.)

1. A device of the character described, comprising a casing the shape of a truncated cone and having lateral air inlet openings in its upper portion, a cylinder having a top wall provided with a relatively large central opening therethrough, and located near the bottom of



said casing, a piston having an expansible piston ring mounted thereon and loosely and slidably mounted in the cylinder, and means for operating the piston.

1,503,396. ELECTROLYSIS SUSPENSION HOOK. EDMUND VOIGT, Chicago, Ill. Filed Feb. 12, 1923. Serial No. 618,618. 8 Claims. (Cl. 204—5.)

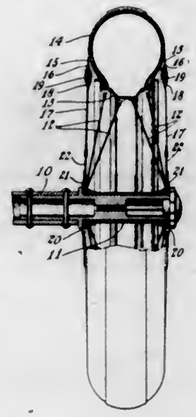


1. A suspension-hook of the character described, comprising an electro-conductive stem formed of a series of sections adjustable longitudinally for lengthening and shortening it, the lowermost section being composed of insulating material and provided with case-hanging means, and a spring-pressed electrical contact-shoe on the last-named section.

1,503,397. FACING COVER FOR WHEEL ASSEMBLIES. HENRY WACKER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 669,705. 5 Claims. (Cl. 301—37.)

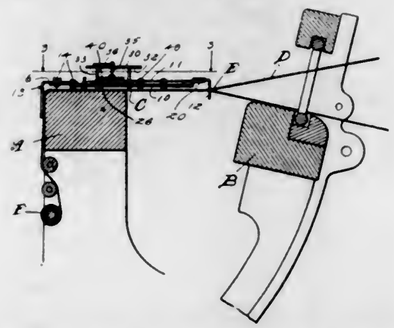
2. A facing for a wheel assembly, said facing comprising a durable, annular, disk-like member adapted to

be secured, about its outer margin, to a pneumatic tire, and an annular structure of elastic material secured,



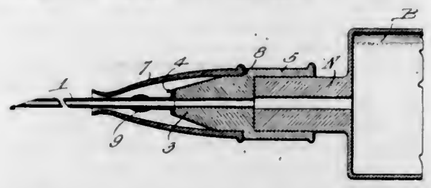
about its outer margin, to the inner margin of said member and centrally apertured to accommodate an axle or a hub.

1,503,398. STARTING GAUGE FOR LOOMS. JOHN F. WAY, Yantic, Conn. Filed Dec. 22, 1922. Serial No. 608,488. 7 Claims. (Cl. 139—1.)



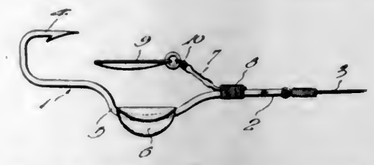
1. A starter gauge for looms including a base, a retractile follower slidable on said base engageable with so as to be positioned by the line of the cloth, indicating means on said base operable for setting at zero according to the position of said line, and means to actuate said indicator means through movement of said follower.

1,503,399. HYPODERMIC NEEDLE. JOHN E. WEBB, McGregor, Iowa. Filed Apr. 14, 1922. Serial No. 552,494. 7 Claims. (Cl. 128—221.)



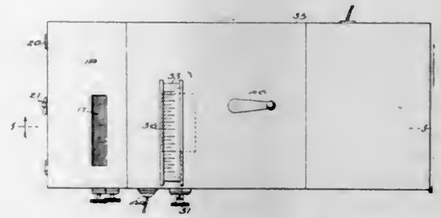
1. In a structure of the character described, a needle carrier, a needle fitting against and readily breakable from the end of said carrier, and abutment means carried by the needle adjacent its rear end.

1,503,400. FISHHOOK. JOHN EVERETT WEBB, McGregor, Iowa. Filed June 11, 1923. Serial No. 644,809. 1 Claim. (Cl. 43—27.)



A fish hook having a horizontally elongated shank provided with an upwardly and forwardly turned hook at its rear end, said shank being depressed between its ends in front of said hook and having a sinker carried fixedly by its depressed portion, a spinner support secured to said shank in front of its depressed portion and extending rearwardly, and a spinner connected with said support over said depressed portion and in front of said hook.

1,503,401. PHOTOGALVANOGRAPH. DAVID WECHSLER, New York, N. Y. Filed Aug. 17, 1922. Serial No. 582,513. 3 Claims. (Cl. 234—1.5.)

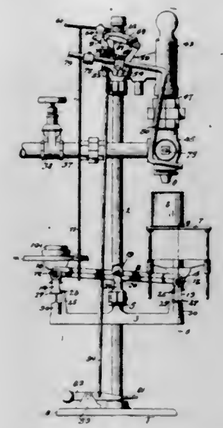


3. A photogalvanograph which includes a box having a partition disposed across the same near one end thereof, a removable cover over the larger portion of said box, a pivoted cover over the smaller portion of said box, a film in said smaller portion, means for moving said film, said partition having an aperture, a screen in said aperture adjacent which the film moves, said screen having a slit therein and a plurality of small apertures, a galvanometer in the larger portion of the box having a movable mirror, a lamp in said box adapted to throw a beam of light on said mirror, the beam of light being reflected from said mirror on the slit in said screen, a partition between the lamp and the screen to prevent light from being projected thereon, a second mirror disposed in the path of the beam of light from the first mirror to the screen, said second mirror adapted when moved to a definite position to reflect a portion of said beam of light, a translucent screen in the top of the main cover portion adapted to receive the image of the beam of light reflected from said second mirror, a second translucent screen in the top of the pivoted cover portion and disposed therein adjacent a portion of the film so that the position and movement of the film can be observable at any instant, a separate independent lamp associated with each of the apertures in the screen, and means whereby at the will of the operator these separate lamps can be illuminated to project a beam of light through the apertures on to the film for the purpose of recording said characteristics thereon.

1,503,402. APPARATUS FOR FILLING AND WEIGHING CANS. CASPER WEIFFENBACH, Buffalo, N. Y., assignor to Harvey-Hanes Machine Corporation, Buffalo, N. Y., a Corporation of New York. Filed Oct. 19, 1922. Serial No. 595,670. 20 Claims. (Cl. 249—58.)

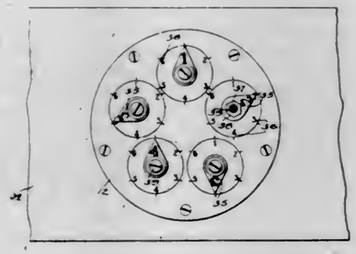
1. In a machine of the character described, a valve, means tending to hold said valve in its closed position, a detent member operatively connected with said valve so

as to move therewith, holding means having a wedging engagement with said detent member for holding said



valve in its open position, and releasing means for releasing said wedging engagement between said detent and said holding means.

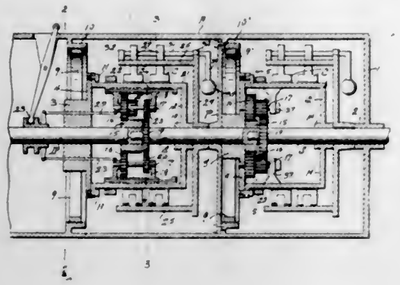
1,503,403. ELECTRIC PERMUTATION LOCK. HARRY DORNIN WETHLING, Orange, N. J. Filed Aug. 11, 1922. Serial No. 581,227. 2 Claims. (Cl. 200—43.)



1. A permutation ignition lock including a housing into which one of the conductors of the ignition system extends, a plurality of switches arranged in series in said conductor and located in the housing, each of said switches comprising a rotary switch head having a peripheral bridge piece and a resilient contact interposed between the adjacent switch heads and respectively engaging the peripheries thereof, shafts extending through one of the walls of the housing having the switch heads connected therewith for turning movement in one direction, and complementary means at the outer end of each shaft and on the outer surface of the housing for indicating to the operator the closed and open condition of the switches.

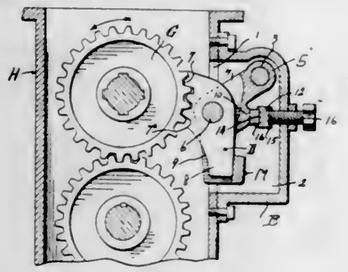
1,503,404. POWER-TRANSMISSION MECHANISM. WILLIAM I. WHEELER, Scottville, Ill. Filed Sept. 15, 1920. Serial No. 410,449. 1 Claim. (Cl. 74—34.)

In a transmission mechanism, a drive shaft, a driven shaft, said driven shaft being divided into a plurality of sections, an automatically actuated variable speed mechanism operatively connecting adjacent sections of the drive shaft, and an automatically actuated variable speed mechanism operatively connecting the drive shaft and one of the sections of the driven shaft, each of said variable speed mechanisms including braking elements, the brak-



ing element of one of such speed mechanisms having greater leverage than the braking elements of the second speed mechanism.

1,503,405. SAFETY DEVICE FOR VEHICLES. WILLIAM ISIAH WHEELER, Scottville, Ill. Filed Jan. 7, 1922. Serial No. 527,590. 11 Claims. (Cl. 188—31.)



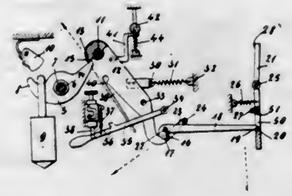
1. The combination with a rotatable member; of a holding member supported for swinging movement and automatically moving in a direction to engage the rotatable member to hold the same against rotation in one direction, said holding member normally offering no obstruction to the rotation of the rotatable member in the opposite direction, the rotatable member being toothed, the holding member having an arcuate toothed portion in mesh with the rotatable member, the end tooth of the holding member being shorter than the remainder of such teeth.

1,503,406. TEMPLATE. WILLIAM ISIAH WHEELER, Scottville, Ill. Filed Apr. 9, 1923. Serial No. 630,917. 8 Claims. (Cl. 29—14.)



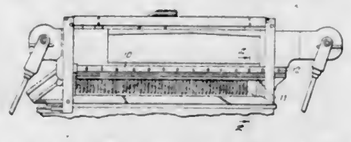
1. A template for assembling a plow share and its bar and point comprising a bar adapted to be secured to the bar of the share, a member carried by the template bar against which the share is fitted, and means for securing said member to the share.

1,503,407. BOMB-THROWING DEVICE. OSCAR WILCKE, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,577. 6 Claims. (Cl. 244—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



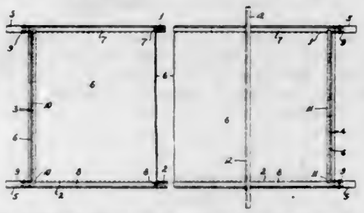
1. In a device of the kind described in combination, a bomb carrying lever, means for holding said lever in operative position, electric means for influencing the operative position of said holding means and resilient means for automatically carrying said holding means back into operative position.

1,503,408. PAPER-CUTTTING MACHINE. HORACE S. WILLIAMS, Brooklyn, N. Y. Filed Dec. 5, 1922. Serial No. 605,069. 7 Claims. (Cl. 164—55.)



1. In a paper cutting machine, a knife, a knife bar to which the knife is adapted to be attached, a vertically movable clamp having recesses, means for securing the knife temporarily to said clamp to move the knife to position to be secured to the knife bar, and means for securing said knife to said knife bar.

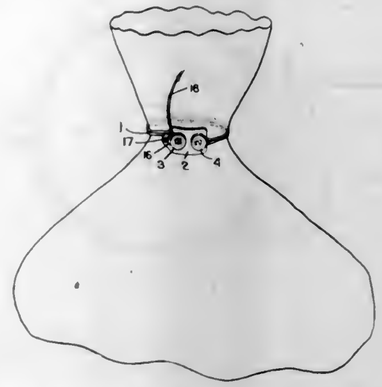
1,503,409. PROCESS OF MANUFACTURING TILES, SHEETS, AND OTHER ARTICLES OF PRODUCTS FROM ASBESTOS OR LIKE MATERIALS. SAMUEL SCOTT WILSON, Meyerton, Transvaal, South Africa, assignor to John Wilson and Sons, Limited, Johannesburg, Transvaal, South Africa. Filed Sept. 10, 1920. Serial No. 409,432. 3 Claims. (Cl. 25—42).



1. The process of manufacturing sheets from a plastic mixture of asbestos, cement and water, which consists in spreading the mixture upon a surface provided by a slab made of plaster of Paris, as set forth.

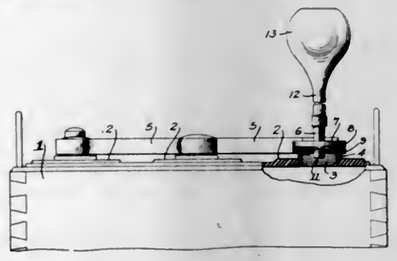
1,503,410. COMBINED CLOSURE AND MARKER FOR BAGS. THOMAS J. YATES, Salem, Mass., assignor to Yates Machine Company, Salem, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1923. Serial No. 634,572. 2 Claims. (Cl. 24—365.)

1. A device of the character described comprising a flexible cord, a metal plate curved on an axis transverse of its ends with one free end and one end secured to the cord, two undercut bosses with distinguishing indicia thereon projecting from said plate, one boss being adjacent each end of the plate, whereby when the free end of the cord is wrapped around the neck of a bag, then about the undercut portion of the boss on the free end of



the plate, then back around the neck of the bag and a half hitch taken around a boss on that end of the plate to which the cord is secured, the neck of the bag will be retained in closed position and the metal plate will lie against and conform to the shape of the neck with the indicia exposed to view.

1,503,411. APPARATUS FOR TESTING BATTERY JARS. FRANK JACON ZIMMERMAN, Modesto, Calif. Filed June 8, 1923. Serial No. 644,289. 4 Claims. (Cl. 73—51.)

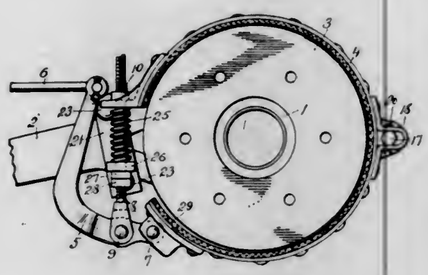


1. A testing device for application to the filling orifice of a battery jar, comprising a compressible bulb, a closing and sealing means to span and make a tight joint with said orifice, and a tubular connection between said means and said bulb, said connection discharging beneath said closing and sealing means, the whole forming a light structure which may be applied and removed as a unit to said orifice by grasping the bulb.

1,503,412. AUTOMOBILE BRAKE. JOHN E. BEARD, Kansas City, Mo. Filed June 11, 1923. Serial No. 644,582. 3 Claims. (Cl. 188—77.)

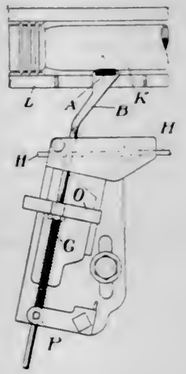
1. In an automobile brake, the combination with an axle housing, a radius rod attached thereto, a brake band support rigidly attached to said axle housing, a brake band adjustable forwards and backwards on said support and held by the latter from sidewise tipping, a brake lever pivoted to said brake band, a screw pivoted to said brake lever and extending through and slidably mounted in the brake band, and a nut mounted on said screw and bearing on said brake band, of a supporting member in which said screw is longitudinally slidably

mounted, a spring encircling said screw and having its ends bearing respectively against said brake band and said supporting member, and adjustable means for fas-



tening said supporting member to said radius rod arranged to permit the forward and backward adjustment of said supporting member on said radius rod, substantially as set forth.

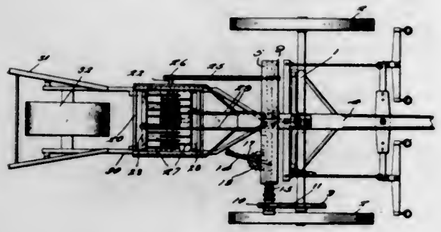
1,503,413. WEFT FEELER FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 6, 1921. Serial No. 467,379. 6 Claims. (Cl. 139—287.)



1. A slide slipping feeler having a feeler arm with separated prongs at its rear end which approach each other with a gap between them and spaced rearwardly beyond the rear wall of the feeler arm, in combination with a helically coiled resilient wire feeler tip loosely encircling said prongs and maintained under normal endwise compression.

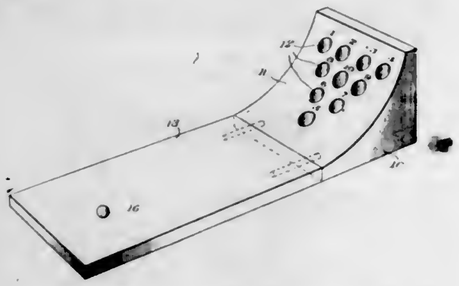
1,503,414. CULTIVATOR ATTACHMENT. JAMES T. CRAWFORD, Merigold, Miss., assignor of one-half to Wm. I. Bowman, Bogue Chitto, Miss. Filed Apr. 25, 1923. Serial No. 634,594. 1 Claim. (Cl. 83—6.)

The combination of a hopper having a discharge spout, a wheel mounted in the hopper, a driving connection for said wheel, oscillatory sets of swinging knives pivotally mounted in the hopper, the driving connection for the wheel including a shaft, and the knives of the sets being fulcrumed at intermediate points of their lengths of the said shaft, and some of the knives of both sets being arranged at one side of the wheel and other knives of both sets being arranged at the opposite side of the



wheel, a crank shaft spaced from the hopper, and rods interposed between and connecting said shaft and the upper ends of the knives.

1,503,415. GAME. EDWIN C. FOHMANN, Philadelphia, Pa. Filed Jan. 30, 1922. Serial No. 532,777. 2 Claims. (Cl. 46—61.)



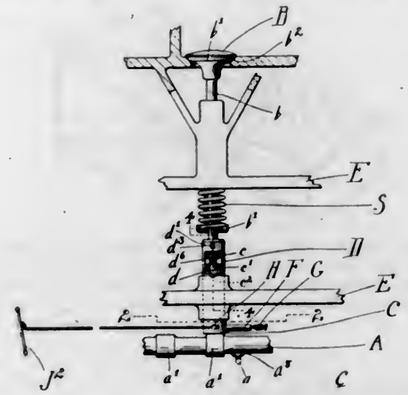
1. A game embodying a flat elongated horizontal runway, a horizontally and vertically disposed substantially triangular member at one end thereof, said member having an upwardly extending concaved face with its lowermost portion merging into the upper face of the runway, said member being further provided with vertically disposed openings extending therethrough and defining passages open at each end.

1,503,416. HOLDER FOR STRIPS OF EMERY, CARBORUNDUM, GLASS-COVERED TAPES, CLOTH, OR PAPER. WILLIAM R. K. GANDELL, London, England. Filed Jan. 28, 1922. Serial No. 532,506. 2 Claims. (Cl. 51—187.)



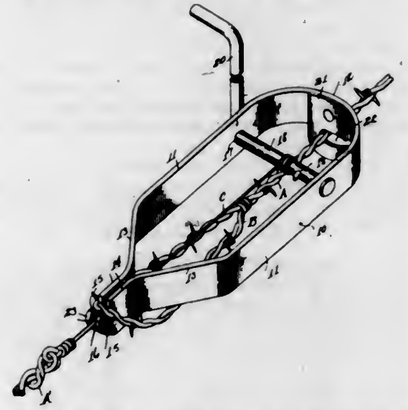
1. An abrasive or absorbent strip holder of the character specified, comprising in combination a bar forming a support for a strip folded transversely near the center of its length over one end of the bar, a sleeve member having a tapering bore and adapted to be slid along the bar, said sleeve member being arranged to encompass the bar and the two ends of the strip at opposite sides of the bar, and a correspondingly tapered wedge member inserted within said bore and capable of longitudinal sliding movement relatively to the sleeve member for the purpose of clamping the ends of the strip to the bar, one of said members being manually adjustable with respect to the bar to render the strip taut.

1,503,417. DEVICE FOR AUTOMATICALLY GRINDING VALVES FOR COMBUSTION ENGINES. ISRAEL B. GILBERT, Cincinnati, Ohio, assignor of one-half to Orlin J. Cutler, Cincinnati, Ohio. Filed Apr. 9, 1921. Serial No. 460,020. 18 Claims. (Cl. 123—90.)



14. The combination of a poppet valve and means for oscillating said valve when it is seated.

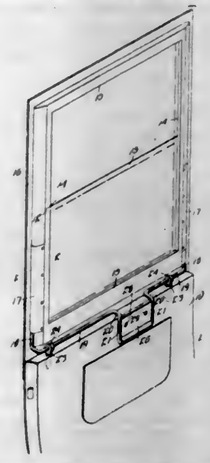
1,503,418. WIRE STRETCHER AND SPLICER. ELMER A. HAYES, Dover, Minn. Filed May 7, 1923. Serial No. 637,339. 1 Claim. (Cl. 254—161.)



In a wire stretcher and splicer, the combination with a yoke, the arms and bight portion of which are formed from a single length of material and the forward ends of the arms of which are provided with spaced transverse notches, of a guide block positioned directly below the notches and extending from the outer ends of the arms to a point inwardly of the notches, a hook carried by the bight portion, and wire reeling means carried by the arms adjacent the bight portion.

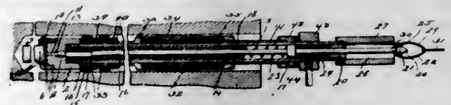
1,503,419. CONNECTER FOR DEMOUNTABLE AUTOMOBILE DOORS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed June 27, 1923. Serial No. 648,095. 5 Claims. (Cl. 296—139.)

5. A supporting bracket for demountable automobile doors comprising a rod having an intermediate portion for attachment to the permanent door section of an automobile, said rod having a portion extending upward and transversely of said door from each end of said intermediate portion with upward extensions for attach-



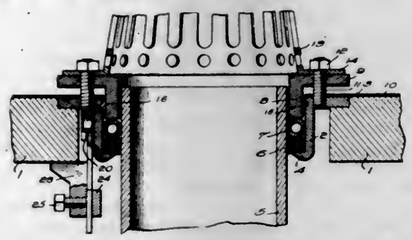
ment to the demountable door section, and means loosely mounted on the transverse sections adapted to be secured to the permanent door sections, substantially as set forth.

1,503,420. BLASTING GUN. ERNEST HUTTON, Fairmont, W. Va. Filed June 2, 1923. Serial No. 643,078. 12 Claims. (Cl. 102—5.)



6. A blasting gun comprising a barrel having means to support a blasting cartridge and a percussion primer therefor, a firing pin to strike the primer, a rod reciprocable longitudinally in the barrel and adapted to coact with the firing pin, said rod having a collar fixed thereon, a spring acting on one side of said collar to normally hold said rod out of engagement with the firing pin, and a second spring acting on the opposite side of said collar for impelling the rod against the firing pin.

1,503,421. ROOF CONNECTION. WILLIAM F. INNES, Stoughton, Mass. Filed Sept. 30, 1921. Serial No. 504,515. 4 Claims. (Cl. 285—31.)

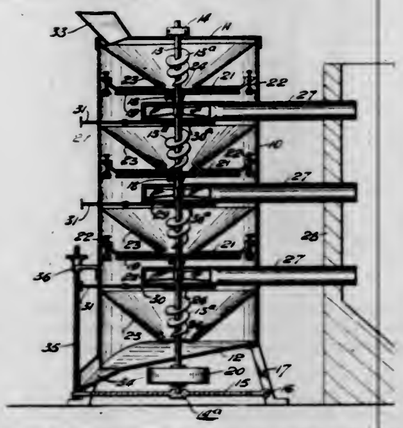


4. A roof connection comprising a ring having an upper, outer flange adapted to rest upon the roof deck, said ring being provided with an inner lower flange, a gland ring arranged within said first ring and provided with a flange, overlying said upper flange, fastening means passing through said flanges, said first ring being provided with a circumferential recess on its inner face for the reception of a metal packing, and a packing disposed on said lower flange and engaging the lower edge of the gland ring.

1,503,422. METHOD OF MAKING PUTTY. JULIUS E. LAURILA, Worcester, Mass. Filed June 16, 1922. Serial No. 568,863. 3 Claims. (Cl. 106—8.)

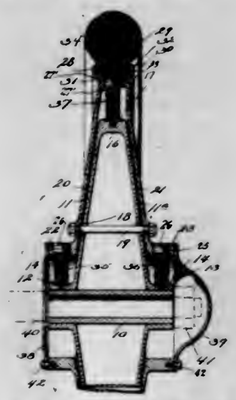
1. A method of making putty, which consists in first combining whiting and linseed oil to form a mixture of dough-like consistency, and then adding fine hot sand to the mixture.

1,503,423. GRAIN HULLER. ROBERT ANSON LITTLE, Woodstock, Va. Filed Apr. 24, 1923. Serial No. 634,373. 16 Claims. (Cl. 83—37.)



1. In a grain huller, a plurality of hoppers located one above the other, a pair of discs beneath each hopper, the adjacent faces of each pair lying in parallel planes and having conical recesses formed therein and one of said discs being rotatable.

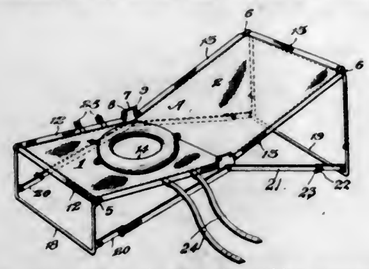
1,503,424. SPRING WHEEL. ROBERT ANSON LITTLE, Hazelton, W. Va. Filed Oct. 13, 1923. Serial No. 668,381. 8 Claims. (Cl. 152—28.)



1. A wheel of the character described having inner and outer pairs of discs arranged to flare toward the hub and having annular flanges at their inner edges, and springs arranged between said flanges.

1,503,425. NURSERY ACCESSORY. ULVA R. MARTIN, Faber, Va. Filed June 8, 1923. Serial No. 644,211. 2 Claims. (Cl. 155—31.)

1. In a device of the class described, the combination with a frame structure including opposed end sections, intermediate side sections interposed between the end sections and having pivotal connections with both end sections, a seat carried by one of said end sections and formed with an opening, a back carried by the other end section, said end sections being adapted to be folded one



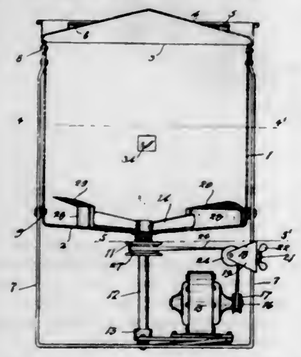
on the other, and a circular air cushion supported on said seat and surrounding the opening thereof, the distance between the pivots on the intermediate side sections being substantially equal to the height of the air cushion.

1,503,426. WHEEL RIM. JAQUELIN M. MEREDITH, Norfolk, Va. Filed Feb. 6, 1923. Serial No. 617,320. 4 Claims. (Cl. 301—33.)



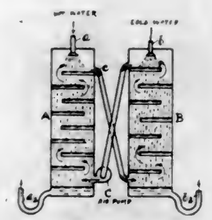
1. A collapsible rim provided with a split joint, said rim being formed with a transverse slot adjacent one side of said joint, a lever having an end thereof passing through said slot and provided with an extension to prevent its withdrawal from the slot when in one position, said slot being so shaped as to permit withdrawal of said lever when in another position, and means on the other side of said joint cooperating in interlocking relation with said lever.

1,503,427. DISHWASHING MACHINE. ALFRED J. MITCHELL, St. Boniface, Manitoba, Canada. Filed Mar. 23, 1922. Serial No. 546,080. 1 Claim. (Cl. 141—9.)



In a dish washing machine, a cylindrical tank having the lower end thereof forming a water well, a propellor rotatably mounted in the well, means for rotating the propellor at a comparatively high speed to cause the water in the well to be thrown outwardly by the respective propellor blades against the wall of the tank and means for deflecting the water so thrown against the wall of the tank inwardly and in a direction such that it will be opposed to the direction of rotation of the blades and will be struck by the blades and deflected upwardly in a spray.

1,503,428. APPARATUS FOR TRANSMITTING HEAT FROM ONE LIQUID TO ANOTHER. IVAR MORTERUD, Christiania, Norway. Filed Mar. 28, 1921. Serial No. 456,140. 3 Claims. (Cl. 261—18.)



1. An apparatus for transmitting heat from one body of liquid to another, comprising means for causing a relatively cold gas to pass in direct contact with a counter current of hot liquid, and means to cause the gas so heated to pass in direct contact with a counter current of cold liquid.

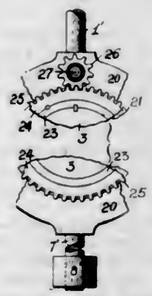
1,503,429. PROCESS OF ACCELERATING THE VULCANIZATION OF NATURAL OR ARTIFICIAL INDIA RUBBER OR RUBBERLIKE SUBSTANCES. WILLIAM FRASER RUSSELL, Norwalk, Conn., assignor to The Norwalk Tire and Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed Aug. 4, 1919. Serial No. 315,306. 9 Claims. (Cl. 18—53.)

1. The process of accelerating the vulcanization of rubber which process consists in adding urea as an accelerator and sulphur to the rubber and subsequently heating this mixture to a vulcanizing temperature.

1,503,430. ART OF VULCANIZING RUBBER. WILLIAM FRASER RUSSELL, Norwalk, Conn., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed June 21, 1922. Serial No. 569,935. 6 Claims. (Cl. 18—53.)

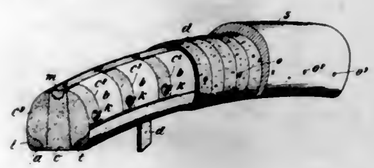
3. The method which consists in adding zinc oxide, sulfur and urea to a rubber responsive to zinc oxide and vulcanizing the resulting mixture.

1,503,431. MEANS FOR BALANCING ROTORS. ALEXANDER E. SCHEIN, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 26, 1921. Serial No. 440,054. 5 Claims. (Cl. 73—51.)



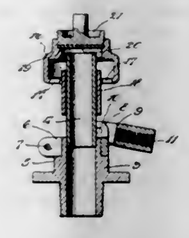
1. In combination with a rotor shaft, a sleeve surrounding said shaft, an annular gear secured to said sleeve, a second sleeve surrounding the first mentioned sleeve and rotatable with respect thereto, a pinion rotatable with respect to said second sleeve and supported thereby, said pinion meshing with said annular gear, and oppositely extending arms secured to said second sleeve.

1,503,432. METHOD OF MANUFACTURING SELF-COOLING TIRES. KUNO SCHRAGIN, Berlin, Germany. Filed Dec. 22, 1923. Serial No. 682,322. 7 Claims. (Cl. 18—55.)



1. The method of manufacturing self-cooling tires, consisting in attaching spaced rubber-pieces to a metallic ring having spaced apertures around its circumference, said rubber-pieces being arranged between said apertures; filling up the spaces between the rubber-pieces with shaping bodies adapted to be removed later on through the apertures of the metal-ring; applying an outer cover onto the rubber pieces and the filling-bodies, vulcanizing it, and removing the said shaping bodies through the said apertures of the metal-ring, as set forth.

1,503,433. FLOAT VALVE. ROBERT R. SHAFFER and JAMES F. SHAFFER, Crawfordsville, Iowa. Filed Jan. 30, 1923. Serial No. 615,891. 1 Claim. (Cl. 137—104.)

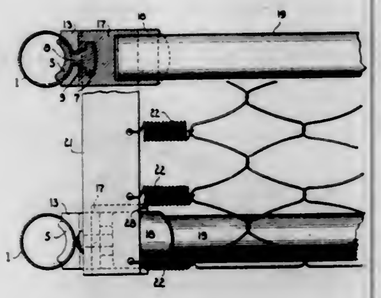


The combination of a water supply element terminating with a nipple, a cap having an annular chamber surrounding the discharge end of said nipple provided with a central opening at the top and discharge openings in its bottom, a sleeve integral with said cap extending downwardly therefrom and slidably engaging said nipple, an annular shoulder around said top opening, a gasket fitting said top opening and seated on said shoulder, a plug threaded in said cap and adapted to secure said gasket, a lever having a forked end spanning and fulcrumed upon the water supply element, a float carried by the opposite end of the lever, and links pivoted respectively to the forked end of the lever and to said cap at diametrically opposite points on the same, said gasket being adapted to close the opening of the nipple upon said lever being operated.

1,503,434. CORNER FASTENING FOR BEDS. LOUIS SLOBIN, Newark, N. J. Filed Mar. 14, 1923. Serial No. 625,071. 7 Claims. (Cl. 5—300.)

1. A hollow post having a longitudinal slot in the wall thereof, a key piece having a base portion located within the post, an elongated tapering key connected to the base portion by a neck and projecting through the slot in the post, said neck being provided with a plurality

of stepped portions, and a locking member embracing one of the stepped portions and the post for locking



said key piece on the post, leaving a space on each side of the neck between said locking member and key for the reception of a connecting member.

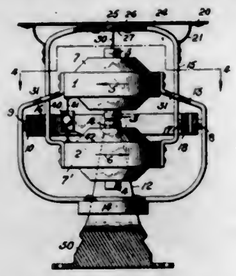
1,503,435. HUB AND SPOKE CONNECTION. LEONARD DEE STEPHENSON, Auburn, Calif. Filed Apr. 9, 1923. Serial No. 631,018. 3 Claims. (Cl. 301—75.)



1. In a wheel having a rim and hub, annular flanges formed adjacent the ends of the hub; sockets formed upon the outer sides of the flanges; spokes connected between said sockets and the rim; adjusting elements slidably mounted within the sockets in engagement with the inner ends of the spokes; and a rod threaded into each adjusting element and bearing against the hub whereby a rotation of the rod will move the adjusting element within the socket to vary the pressure against the spoke.

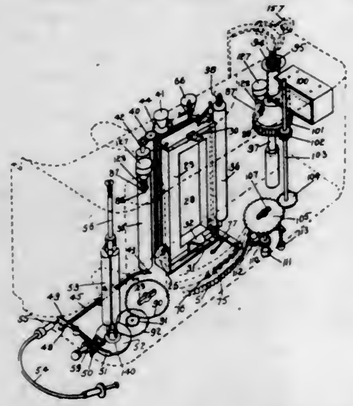
1,503,436. VERTICAL GYROSCOPIC COMPASS. HARRY L. TANNER, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed June 5, 1918. Serial No. 238,252. 12 Claims. (Cl. 33—204.)

1. A gyroscopic compass comprising a gyroscope, means for pendulously mounting the same for oscillation about a horizontal axis and for spinning upon a normally substantially vertical axis, a compass card rotatably mounted independently of said gyroscope and interconnecting



means between said card and the gyroscope whereby the tilt of the gyroscope in elevation causes angular setting of the card in azimuth.

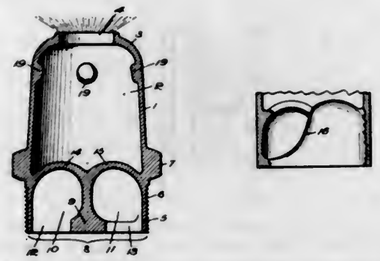
1,503,437. APPARATUS FOR ATTACHMENT TO PHOTOGRAPHIC CAMERAS WHEREBY PANORAMIC-VIEW PHOTOGRAPHS CAN BE PRODUCED. FRANK FREDERICK JAMES, Kensington, near Sydney, New South Wales, Australia. Filed Nov. 27, 1923. Serial No. 677,315. 10 Claims. (Cl. 95—15.)



1. A panoramic photographic camera comprising an adjustable stand, a stationary circular rack on said stand, a rotatable plate on said rack, a housing on said plate, a light tight camera chamber fitted with a lens and shutter detachably secured to said housing, a rotatable scale on the periphery of said rack, a pair of spools for carrying a sensitized film one of which is adapted to receive the said film after exposure thereof through an opening in the front wall of said housing, an adjustable shutter with opening therein in said housing disposed forwardly of said screen, a gate with opening therein associated with said housing opening, a hinged frame with opening therein connected to said gate, the said gate and hinged frame being adapted to receive therebetween the said film in its passage from one spool to the other thereof, means for adjusting the opening in said shutter in relation to the openings in said gate and hinged frame, a spring motor in said housing, gear means connecting said motor with said rack and the receiving spool for said exposed film, gear means connecting the other said spool to governor mechanism, means for manually releasing said governor mechanism, manual means for operating said lens shutter, means whereby the governor mechanism is operated to prevent operation of said motor upon the said plate and parts carried thereon having passed through a predetermined

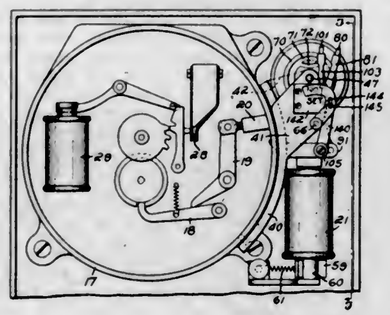
angular movement, means on said housing for adjusting the said film on said spools, and means associated with said housing and said scale whereby the field of travel of the said lens in photographing panoramic objects is predetermined.

1,503,438. SPRAY NOZZLE. LEE H. PARKER, Boston, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 6, 1923. Serial No. 611,143. 10 Claims. (Cl. 299—114.)



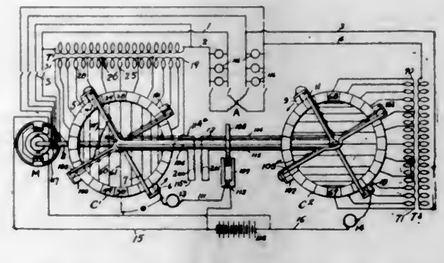
7. A spray nozzle having a liquid entrance and a liquid exit, said nozzle having at its entrance a transverse partition dividing the entering liquid into a plurality of streams each at its entrance having an area substantially one half of that of the nozzle at such point, said nozzle having inner walls forming the lateral walls and top walls of the said primary chambers and shaped to impart a helical motion to the entire stream, said walls terminating in lines each extending from the wall of the nozzle to the longitudinal axis thereof and providing a relatively large exit from said chambers, said nozzle having a mixing chamber into which the liquid is discharged from both of said primary chambers and from which it is discharged through the said liquid nozzle.

1,503,439. FIRE-ALARM SYSTEM. NATHAN H. SUREN, Needham, Mass., assignor to Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass., a Corporation of New York. Filed Apr. 4, 1919. Serial No. 287,502. 37 Claims. (Cl. 177—369.)



1. In a fire alarm system having a main line circuit and an auxiliary loop on said circuit, a box starting attachment for a main line box provided with a starting magnet the windings of which are included in the main line circuit and shunted by said auxiliary loop, said attachment having means responsive to a temporary break in said auxiliary loop to start the box and also responsive to a continuing break in said loop to transmit a specific signal to the central station indicative of a line fault.

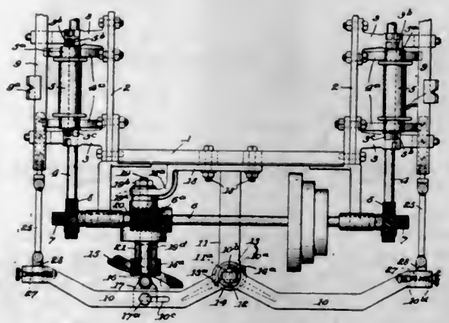
1,503,440. MEANS FOR INTERCONVERTING ALTERNATING AND DIRECT CURRENT. JOSEPH LESTER WOODBRIDGE, Philadelphia, Pa. Filed Nov. 15, 1918. Serial No. 262,731. 10 Claims. (Cl. 171—123.)



1. Apparatus for interconverting direct and alternating currents comprising the combination of a polyphase alternating current circuit, a direct current circuit, a winding operatively connected to each phase of the polyphase circuit and provided with taps, two relatively displaced pairs of brushes, co-operating with the taps of each winding, means for simultaneously shifting the brushes of each pair in opposite directions along the corresponding taps, means for connecting one of said pairs of brushes for each winding in series across the direct current circuit, means electrically independent of the direct current circuit for interconnecting the other brushes in pairs and means for adjusting the relative position of the two pair of brushes for each winding, substantially as described.

9. In apparatus for interconverting direct and alternating currents, the combination of a transformer winding provided with taps, two commutators whose segments are alternately active and dead, and whereof the active segments of each commutator are interconnected in pairs, connections from alternate taps to consecutive pairs of active segments of each commutator respectively, a pair of brushes for each commutator, so located that when one pair is in contact with dead segments of one commutator, the other pair is in contact with active segments of the other, and means for producing relative rotation of commutators and brushes, substantially as described.

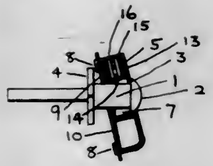
1,503,441. TRAVERSE MECHANISM. BYRON E. WOODCOCK, EUGENE F. MONNIA, and ALBERT C. REESE, Scranton, Pa. Filed June 2, 1923. Serial No. 643,019. 20 Claims. (Cl. 242—43.)



1. In apparatus of the class described, the combination with a row of winding spools and a cooperating traverse bar, of a lever fulcrumed on a normally fixed

pivot and connected with said traverse bar, a cam located to one side of the pivot of said lever and cooperating with said lever to actuate the same, and means for adjusting said cam lengthwise of said lever.

1,503,442. SEPARABLE FASTENER. GEORGE HENRY ELWELL, Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 4, 1922. Serial No. 604,875. 9 Claims. (Cl. 24—211.)



1. A separable fastener comprising a stud member including a stud-post and a stud-head, said stud-head having a rearwardly facing abrupt shoulder; and a socket member having a suitable casing, said casing providing a rigid stud-post-engaging element; a yielding element mounted within said casing and diametrically opposing said rigid element, said yielding element having two stud-post-engaging angles, the distance between said angles definitely predetermining the necessary degree of tipping movement of one of the fastener members upon the other by which, by said movement alone, said members are separable when said yielding element is in positive interlocked engagement behind said abrupt shoulder.

1,503,443. PROCESS AND MATERIAL FOR PREPARING METAL FOR COATING. JAMES H. GRAVELL, Elkins Park, Pa. Filed Jan. 20, 1923. Serial No. 614,044. 9 Claims. (Cl. 148—8.)

1. The method of cleaning metal consisting in subjecting it to the action of an alkali metal compound in the presence of an alcohol which boils at a higher temperature than ethyl alcohol.

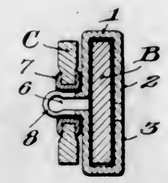
6. A composition of matter for cleaning surfaces consisting of an admixture containing hydroxyl ions and an alcohol which boils at a higher temperature than ethyl alcohol.

1,503,444. RAILWAY-CROSSING GATE. SILVIA N. HANKS, Okolona, Miss. Filed Feb. 28, 1924. Serial No. 695,794. 3 Claims. (Cl. 246—293.)



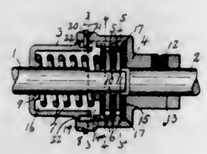
2. A crossing gate comprising posts, bars pivoted upon the posts, shafts journalled adjacent the posts and operatively connected with the bars, means operatively connecting the shafts together, a shaft journalled adjacent one of the first mentioned shafts and having a return bend end portion, fingers pivoted upon the last mentioned shafts and operatively connected with the adjacent first mentioned shafts, said return bend portion being disposed between said fingers, the last mentioned shafts having an angularly disposed arm with a roller journalled thereon and which is disposed adjacent a track rail of the crossing.

1,503,445. BRACELET. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed Jan. 15, 1924. Serial No. 686,274. 6 Claims. (Cl. 24—77.)



6. In a bracelet end connector, a slide formed of a band encircling the bracelet and having its ends formed for interengagement and disposed in substantially a common plane, and a removable connection between the slide and the bracelet end.

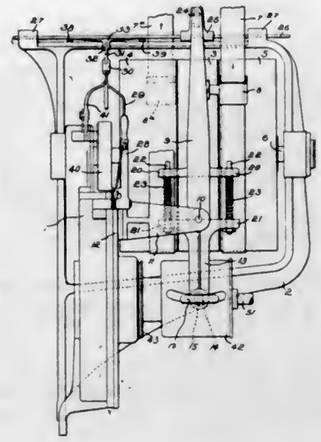
1,503,446. SHAFT COUPLING. MEAD HEDGLON, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed July 24, 1922. Serial No. 577,093. 3 Claims. (Cl. 64—106.)



1. The combination with coaxial shaft sections, the inner end of one section being flattened, of a coupling section secured to the other shaft section and provided with a socketed extension surrounding said flattened end and having internal lengthwise ribs, coaxial friction disks surrounding said flattened end and spring pressed toward the end wall of the socket, some of the disks being engaged with the ribs to rotate with said extension, the remaining disks being engaged with the flattened end to rotate therewith, and an additional coupling section having threaded telescopic connection with the first named coupling section for varying the tension of the spring and thereby varying the pressure of the disks against each other and against the end wall of the adjacent socket, the telescopic ends of the coupling sections being provided respectively with a peripheral notch, and a locking pin movable into and out of said notch for preventing and permitting relative rotation of the coupling sections.

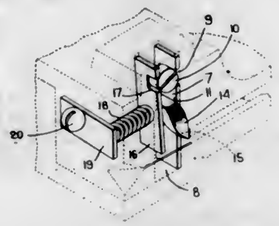
1,503,447. REVERSING MECHANISM. FRITZ W. A. HENRICI, Boston, Mass., assignor to Henrici Laundry Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 15, 1919. Serial No. 323,845. 16 Claims. (Cl. 64—4.)

1. Reversing mechanism comprising an operating pulley, a plurality of idlers, a driven member, connections between the same and the operating pulley, a belt on each idler running in opposite directions, a belt shipper, a reversing shaft rotated by the driven member, and connections between the shipper and reversing shaft



including a two part yieldingly connected shipper lever, permitting relative retardation of one lever member, to reverse the direction of motion of the operating pulley.

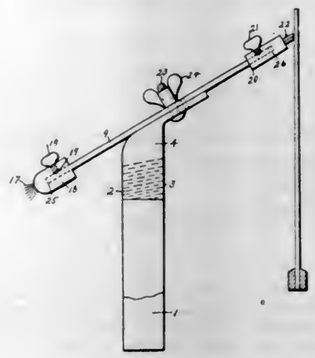
1,503,448. THREAD-CUTTING TEMPLE FOR LOOMS. ALFRED A. HULL, Knoxville, Tenn., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 3, 1924. Serial No. 684,144. 3 Claims. (Cl. 139—303.)



1. A thread cutting temple for looms comprising a vertical stationary cutter member mounted in the temple head, a backwardly and forwardly movable cutter member cooperating with the stationary cutter member to sever the thread, a metal plate mounted in the temple head to swing laterally at its upper end and engaging the movable cutter member at the side opposite the stationary cutter member, and a spring mounted in the temple head and engaging the metal plate below the axis about which it swings and acting yieldingly to force the metal plate against the removable cutter member and thereby to force the cutting edge of the movable cutter member into engagement with the edge of the stationary cutter member during the cutting stroke.

1,503,449. CLEANING IMPLEMENT. JOHN M. BOWEN, Newark, N. J. Filed Feb. 28, 1923. Serial No. 621,852. 2 Claims. (Cl. 15—117.)

1. A device of the kind described comprising a handle, a socket for one end of the handle, said socket being provided with a lug extending at an angle to the handle, a rigid bar having two prongs at each end, and provided with an opening therethrough intermediate the ends thereof, means connected with said lug and extending

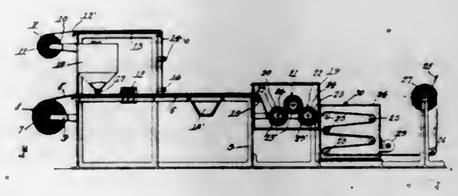


through the opening in said bar, means engageable with the last named means to clamp said bar and lug together in selected positions, and cleaning means attached to each pair of said prongs.

1,503,450. CLEANING COMPOUND. WILLIAM KUYKENDALL, Los Angeles, Calif. Filed Sept. 7, 1923. Serial No. 661,521. 2 Claims. (Cl. 87—5.)

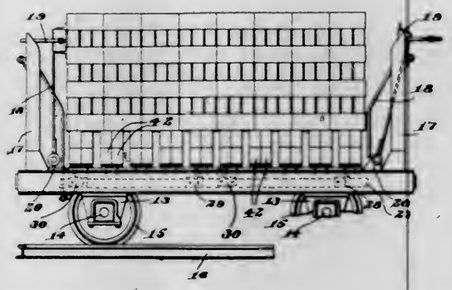
1. A cleaning compound consisting of hydrochloric acid, sodium chloride, vinegar, water and coal oil.

1,503,451. METHOD OF PRODUCING CRINKLED PAPER AND PRODUCT OBTAINED THEREBY. EBERHARD KLEPPER, Crimmitschau, Germany, assignor, by direct and mesne assignments, of three-eighths to Herman Stern, New York, N. Y., and thirty-seven and one-half per cent to John F. Hayes, Washington, D. C., and twenty-five per cent to Samuel B. Sutphin, William F. Ross, and Ralph W. Ross. Filed Dec. 10, 1923. Serial No. 679,790. 4 Claims. (Cl. 154—35.)



2. The hereindescribed method of producing tapestry paper, comprising effecting the longitudinal travel of the backing sheet upon a relatively long flat support, applying a paste to the upper surface of the backing sheet while thus traveling and supported, feeding a crinkled tissue paper to the upper surface of the backing sheet thus treated whereby the two sheets are united without substantially removing the crinkles from the tissue paper, subjecting the superposed sheets thus treated to the action of a drying heat which progressively increases in the direction of travel of said sheets.

1,503,452. FINGER-COURSE UNIT CAR. CLAUD E. FULLER, New York, N. Y. Filed June 2, 1922. Serial No. 565,378. 6 Claims. (Cl. 214—6.)



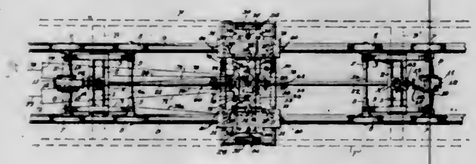
1. In an improved finger course unit car, the combination of a frame, a plurality of parallelly arranged bars or plates extending laterally of said frame, and means for arranging said plates or bars in pairs.

1,503,453. BELT AND METHOD OF MAKING THE SAME. ELMER G. KIMMICH, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 17, 1921. Serial No. 515,859. 8 Claims. (Cl. 154—4.)



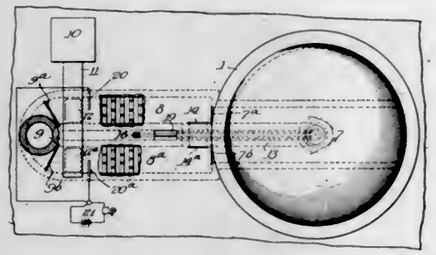
7. A method of making belts that comprises treating a plurality of layers of fabric with a vulcanizable material, superposing the treated layers, treating fabric upon one side with a vulcanizable material, applying it to the superposed layers with its untreated side exposed, vulcanizing the vulcanizable material of the body thus formed and applying a coating of nitrocellulose to the untreated fabric surface.

1,503,454. AUTOMOTIVE RAILWAY CAR. HENRY FORD, Dearborn, Mich. Filed May 13, 1921, Serial No. 469,146. Renewed June 30, 1924. 15 Claims. (Cl. 105—62.)



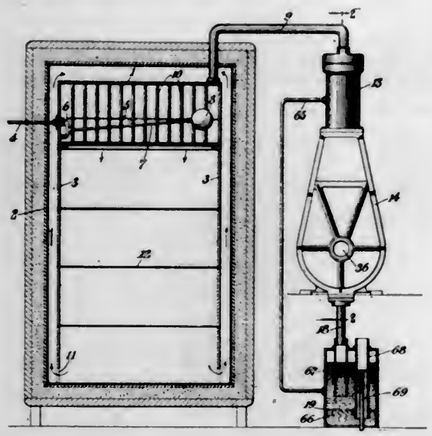
4. In a railway car, the combination with a car frame having a transverse sub-frame hung thereunder intermediate its length, a flexible suspension for the sub-frame, and a power plant mounted on the sub-frame with its driving shaft extending longitudinally of the car frame, of a pair of wheel trucks each having a pair of transverse axles supporting the car frame at one of a pair of longitudinally spaced points disposed one on either side of the sub-frame, a king bolt connection between the car frame and each of the trucks, an axle drive on each of the relatively remote axles of the trucks, and a propeller shaft extending from each end of the driving shaft of the power plant to the corresponding axle drive.

1,503,455. KILN. ENOCH P. STEVENS, Morgan Park, Chicago, Ill.; Mary Ann Stevens executrix of said Enoch P. Stevens, deceased. Filed May 11, 1921. Serial No. 468,646. 12 Claims. (Cl. 25—145.)



1. In a kiln, a hot air flue, a pipe for supplying liquid fuel to the kiln passing through said hot air flue, and a cooling jacket surrounding said pipe within said hot air flue.

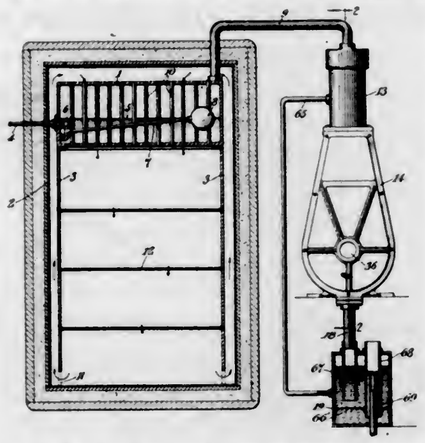
1,503,456. PROCESS OF REFRIGERATING. KENNETH L. CURTIS, New York, N. Y. Filed Feb. 28, 1922. Serial No. 539,881. 1 Claim. (Cl. 62—178.)



Process of refrigerating under regulation by an inherent property of the saturated vapor of the refrigerant to automatically maintain a suitable refrigerating temperature, which comprises, maintaining a body of water at a constant level in a closed space which is to be maintained at a refrigerating temperature above 32° Fah., evaporating the water in said space and removing the vapor by suction, the suction means operating continuously and at a constant speed to remove water vapor at a constant rate volumetrically, the suction means operating at such rate and being so proportioned that it will not freeze the refrigerant under ordinary low temperatures to which household refrigerators are subjected, and will maintain, with the varying density of the vapor, the temperature of said body of water, at approximately the desired point above 32° Fah.

1,503,457. REFRIGERATING APPARATUS. KENNETH L. CURTIS, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,304. 2 Claims. (Cl. 62—168.)

2. In refrigerating apparatus, the combination of a refrigerating chamber, a refrigerant chamber within said refrigeating chamber and having a number of air passages therethrough for the circulation of air, automatic means for maintaining the level of refrigerant in said refrigerant chamber, a compound suction pump connected with the refrigerant chamber for sucking vapors from the refrigerant to evaporate the latter from the chamber, and



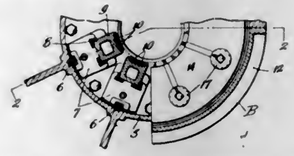
means contolled by pressure in the refrigerant chamber to render the pump single acting at a predetermined pressure in the refrigerant chamber whereby the pump is automatically controlled to prevent excess load thereon due to compound action of the pump at high pressures.

1,503,458. PUMP. KENNETH L. CURTIS, New York, N. Y. Original application filed Feb. 28, 1922, Serial No. 539,881. Divided and this application filed Aug. 16, 1922. Serial No. 582,128. 25 Claims. (Cl. 230—32.)



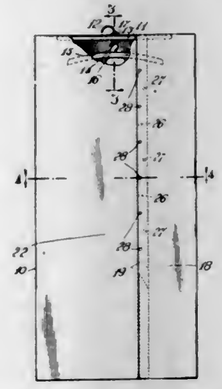
13. In pumping apparatus, the combination of a cylinder and piston, a valve chamber at one end of the cylinder, a valve seat, an exhaust valve within the chamber adapted to seat on said seat, an inlet port beneath said seat, a sleeve valve controlling said port, a passage leading to the inlet port, a shunt passage around said inlet port and connecting said first passage and valve chamber, an exhaust passage leading from said chamber for communication with suction means, and an automatically operated valve for closing said shunt passage and comprising one or more hermetically sealed expansible containers containing a suitable fluid which will expand responsive to reduction of surrounding pressure to a predetermined point to close said shunt passage.

1,503,459. SHAFT BEARING FOR HYDRAULIC MACHINES. JOHN OVERN, Jr., Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company, a Corporation of Pennsylvania. Original application filed May 13, 1921, Serial No. 469,361. Divided and this application filed Nov. 15, 1923. Serial No. 674,908. 12 Claims. (Cl. 64—56.)



1. A bearing for hydraulic machines comprising a plurality of separate adjustable bearing-blocks, each containing a plurality of wearing strips, separated by spaces for the flow of fluid.

1,503,460. PROTECTIVE ENVELOPE FOR GARMENTS. MAURICE D. K. BREMNER, Chicago, Ill. Filed Dec. 17, 1923. Serial No. 681,043. 3 Claims. (Cl. 206—7.)



1. A garment protector of the type described comprising a fabric bag provided with opposed edges adapted to be secured together substantially to seal the bag against the ingress of dust and insects, each of said edges being folded and stitched upon itself to provide a pocket which opens toward the corresponding pocket of the other edge, and means for securing the side walls of one pocket to the adjacent side walls of the other pocket when said walls are disposed in parallelism with each pocket receiving one of the side walls of the other pocket.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abendroth Brothers, Port Chester, N. Y. Soil pipe and fittings for same. 185,952; July 1; Serial No. 189,345; published Apr. 22, 1924.

Abendroth Brothers, Port Chester, N. Y. Coal ranges and gas ranges. 186,212; July 1.

Alford, Harry L., Chicago, Ill. Publications. 186,095; July 1; Serial No. 192,350; published Apr. 8, 1924.

Aliaire, Woodward & Co., Peoria, Ill. Liquid spray to be used against flies, mosquitoes, moths, etc. 186,030; July 1; Serial No. 188,944; published Apr. 1, 1924.

Allen-Rethemeyer Co., St. Louis, Mo. Coffee, tea, cocoa, spice, etc. 186,089; July 1; Serial No. 173,386; published Apr. 22, 1924.

American Agricultural Chemical Company, The, New York, N. Y. Meat and bone scrap poultry feed. 185,975; July 1; Serial No. 193,491; published Apr. 22, 1924.

American Rubbing Stone Company, The, Cincinnati, Ohio. Rubbing stone and rubbing-stone powder. 186,239; July 1.

American Taximeter Company, The, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio. Taximeters. 186,111–12; July 1; Serial Nos. 193,374–5; published Apr. 22, 1924.

Animate Toy Company, New York, N. Y. Mechanical animal toys. 186,174; July 1; Serial No. 191,867; published Apr. 22, 1924.

Anzora Perfumery Company, Limited, The, Kilburn, London, England. Preparation for the hair and skin. 186,162; July 1; Serial No. 152,879; published Apr. 22, 1924.

Ardath Tobacco Company, Limited, London, England. Cigarettes. 186,091; July 1; Serial No. 171,977; published Apr. 22, 1924.

Arnold, F. R., & Co., New York, N. Y. Bath salts and toilet powder. 186,047; July 1; Serial No. 191,159; published Apr. 15, 1924.

Art Metal Works, Inc., The, Newark, N. J. Sound devices for toys. 186,115; July 1; Serial No. 193,317; published Apr. 22, 1924.

Artis, Foster, Chicago, Ill. Preparation for the treatment of rheumatism, burns, etc. 185,994; July 1; Serial No. 191,934; published Apr. 8, 1924.

Arvoy, née Renoux, Blanche, doing business as Jovoy, Paris, France. Perfume, toilet water, face powder, talcum powder, rouge, etc. 186,005; July 1; Serial No. 191,139; published Apr. 1, 1924.

Babani, Maurice, Paris, France. Perfume extracts, toilet water, face lotions, etc. 186,003; July 1; Serial No. 191,520; published Apr. 1, 1924.

Babani, Maurice, Paris, France. Perfume extracts, toilet water, face lotions, etc. 186,004; July 1; Serial No. 191,518; published Apr. 1, 1924.

Babcock, Rauldon K., doing business as The Bermudine Company, New York, N. Y. Shampoo powder. 186,032; July 1; Serial No. 185,071; published Apr. 8, 1924.

Baker, Franklin, Company, Philadelphia, Pa. Prepared toasted coconut. 186,136; July 1; Serial No. 172,151; published Apr. 22, 1924.

Baldwin Tool Works, Parkersburg, W. Va. Shovels, spades, scoops, posthole diggers, and wooden handles. 186,094; July 1; Serial No. 166,637; published Apr. 22, 1924.

Baltzly, Stanley M., doing business as The Baltzly Company, Massillon, Ohio. Preparation for removing dandruff and stimulating the growth of the hair, etc. 185,986; July 1; Serial No. 192,002; published Apr. 8, 1924.

Barnett, G. & H., Company, Philadelphia, Pa. Files and rasps. 186,114; July 1; Serial No. 193,319; published Apr. 22, 1924.

Bartley, John T., doing business as John T. Bartley & Co., Beaver Falls, Pa. Paint cleaner. 186,224; July 1.

Barwood, Leon J., doing business as L. J. Barwood Mfg. Co., Stoneham, Mass. Washers, leathers, gaskets, and packings. 186,198; July 1.

Beeler, Clara L., doing business as The Beeler Mills, Pleasant Hill, Mo. Powder used in the manufacture of ice cream and ices. 186,124; July 1; Serial No. 192,660; published Apr. 15, 1924.

Berbecker & Rowland Mfg. Co., The, Waterville, Conn. Furniture nails. 186,117; July 1; Serial No. 193,209; published Apr. 22, 1924.

Berkoline Chemical Co. (See Berkowitz, Annie.)

Berkowitz, Annie, doing business as Berkoline Chemical Co., Brooklyn, N. Y. Preparation for the hair, preparation for the treatment of pyorrhea, and a preparation for foot ailments. 186,000; July 1; Serial No. 191,811; published Apr. 8, 1924.

Bermudine Company, The. (See Babcock, Rauldon K.)

Birch-Field, Charles A., New York, N. Y. Chewing gum. 186,145; July 1; Serial No. 184,635; published Apr. 22, 1924.

Boston & Lockport Block Company, Boston, Mass. Pulleys or blocks. 186,092; July 1; Serial No. 171,303; published Apr. 15, 1924.

Boye & Emmes Machine Tool Co., The, Cincinnati, Ohio. Lathes. 186,251; July 1.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 186,199; July 1.

Bozeman Canning Co., Bozeman, Mont. Canned peas. 186,234; July 1.

Brooks, Thaddeus R., doing business as The Wonder Fly Killer Co., Bell, Calif. Liquid insecticide. 186,172; July 1; Serial No. 192,514; published Apr. 22, 1924.

Browne, Thomas R., Stockton, Calif. Dust and liquid spraying machines. 186,241; July 1.

Buffalo Foundry & Machine Co., Buffalo, N. Y. Acid concentrators, acid and phenol stills, etc. 185,959; July 1; Serial No. 188,293; published Apr. 22, 1924.

Bullard Machine Tool Co., The, Bridgeport, Conn. Bumpers and shock absorbers. 186,213; July 1.

Bureau of Vocational Research. (See Rosengarten, William.)

Call Publishing Co., The, San Francisco, Calif. Newspaper articles. 186,101; July 1; Serial No. 182,701; published Apr. 8, 1924.

Caron Corporation, New York, N. Y. Toilet powder. 186,012; July 1; Serial No. 190,767; published Mar. 25, 1924.

Cash Coupon Co., Lincoln, Nebr. Cash coupons. 186,100; July 1; Serial No. 190,090; published Apr. 8, 1924.

Caskie-Dillard Company, Inc., Lynchburg, Va. Writing and printing paper. 186,221; July 1.

Catron & Sherman, Sulphur Springs, Fla. Water toboggans. 186,253; July 1.

Cereal Products Refining Corporation, San Francisco, Calif. Malt extract. 186,235; July 1.

Chase, G. W., and Son Mercantile Co., St. Joseph, Mo. Candy. 186,193; July 1; Serial No. 176,787; published May 29, 1923.

Chatterstop Lubricating Company, Des Moines, Iowa. Transmission greases and lubricants for motor vehicles. 186,211; July 1.

Chemische Fabrik vormals Sandoz, Basel, Switzerland. Pharmaceutical products. 186,196; July 1; Serial No. 189,298; published Apr. 22, 1924.

Chief Black Hawk, Inc., New York, N. Y. Medicinal preparation for the treatment of rheumatism. 186,194; July 1; Serial No. 179,260; published Apr. 22, 1924.

Chlorine Products Co., Inc., New York, N. Y. Remedy for acute urethritis. 186,006; July 1; Serial No. 191,006; published Apr. 1, 1924.

Chlorine Products Co., Inc., New York, N. Y. Internal antiseptic. 186,007; July 1; Serial No. 191,005; published Apr. 1, 1924.

Chlorine Products Co., Inc., New York, N. Y. Antiseptic surgical dressing. 186,008; July 1; Serial No. 191,004; published Apr. 1, 1924.

Church-Budget Envelope Company, The, Salem, Ohio. Envelopes. 186,069; July 1; Serial No. 192,602; published Apr. 15, 1924.

Climax Manufacturing Company, Castorland, N. Y. Folding paper boxes and fiber drums. 186,148; July 1; Serial No. 190,495; published Apr. 15, 1924.

Colliery Engineer Co.: International Textbook Company, Scranton, Pa., successors. Books, pamphlets, newspapers, and other publications. 25,438; renewed Nov. 6, 1924.

Columbia Water Company. (See Latka, Frank.)

Columbus McKinnon Chain Company, The, Columbus, Ohio. Tire chains and tire cross chains. 186,045; July 1; Serial No. 190,831; published Apr. 22, 1924.

Comfort Powder Co., The, Boston, Mass. Toilet powder. 186,181; July 1; Serial No. 192,010; published Apr. 22, 1924.

Continental Piston Ring Co., Memphis, Tenn. Piston rings. 186,214; July 1.

Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Nonferrous metals and nonferrous-metal castings and forgings. 186,242; July 1.

Crest Candy Company, Philadelphia, Pa. Candy. 186,070; July 1; Serial No. 192,605; published Apr. 22, 1924.

Crocker Pen Mfg. Company. (See Zain, George.)

Cushman's Sons, Inc., New York, N. Y. Bread, cake, candy, etc. 186,202; July 1.

Darlington, William R., doing business as Kuro Remedy Company, Kansas City, Mo. Pile ointment and liver and bowel tablets. 186,024; July 1; Serial No. 190,447; published Apr. 1, 1924.

Dean, Thomas J., doing business as Dean's Novelty Company, Muskogee, Okla. Mint lozenges. 186,077; July 1; Serial No. 193,159; published Apr. 22, 1924.

Deken, Peter P., Hartford, Conn. Ointment. 186,061; July 1; Serial No. 192,172; published Apr. 22, 1924.

De Normandie, John H., doing business as Naselmo Products Company, Brooklyn, N. Y. Embalming supplies. 186,011; July 1; Serial No. 190,873; published Mar. 25, 1924.
Denver Tent & Awning Company, Denver, Colo. Tents. 186,173; July 1; Serial No. 192,481; published Apr. 22, 1924.
Detmer, Bruner & Mason, Inc., New York, N. Y. Buttons, braids, buckles, etc. 186,215; July 1.
Deutschmann, Ferdinand, St. Louis, Mo. Chocolate-covered ice-cream confection. 186,057; July 1; Serial No. 191,605; published Apr. 22, 1924.
Drinklite Co., Chicago, Ill. Beverages sold as soft drinks. 186,043; July 1; Serial No. 190,712; published Apr. 22, 1924.
Durable Devices Mfg. Co., Columbus, Ohio. Cigar and cigarette holders. 186,255; July 1.
Dwinell-Wright Company, Boston, Mass. Coffee. 186,059; July 1; Serial No. 191,823; published Apr. 22, 1924.
Eakins, Herbert W., doing business as Long Eakins Co., Springfield, Ohio. Candied pop corn. 186,135; July 1; Serial No. 175,350; published Apr. 22, 1924.
Eaton, Crane & Pike Company, Pittsfield, Mass. Writing paper, pound goods, and envelopes. 186,219; July 1.
Eaton, W. P., Packing Company, The, Hamilton, Ohio. Smoked bacon, hams, sausage, lard, etc. 186,129; July 1; Serial No. 149,742; published Apr. 22, 1924.
Eatonic Remedy Company, Chicago, Ill. Laxative. 186,050; July 1; Serial No. 191,225; published Apr. 15, 1924.
Ebco Machine Corporation, New York, N. Y. Cigarette machinery and parts thereof. 186,056; July 1; Serial No. 191,762; published Apr. 22, 1924.
Ekholm, Victor, St. Paul, Minn. Fur wraps, coats, etc. 186,252; July 1.
Ellhurst Co., The. (See Hurstell, Carl A.)
Epstein, Isaac J., doing business as The Epstein Pharmacal Co., San Francisco, Calif. Aspirin tablets, headache remedies, etc. 186,233; July 1.
Erbudor Laboratories. (See Gemmato, Joseph D.)
Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux, Paris, France. Essential oils, perfumes, synthetic perfume materials. 186,046; July 1; Serial No. 190,961; published Apr. 22, 1924.
Excel Shingle Company, Seattle, Wash. Shingles. 186,146; July 1; Serial No. 191,535; published Apr. 22, 1924.
Filene's, Wm., Sons Company, Boston, Mass. Magazine. 186,098; July 1; Serial No. 190,452; published Apr. 1, 1924.
First Texas Chemical Manufacturing Company, Dallas, Tex. Preparation for the treatment of infant bowel disorders. 185,989; July 1; Serial No. 191,690; published Apr. 8, 1924.
Fisher Coffee Co., San Francisco, Calif. Coffee. 186,071; July 1; Serial No. 192,681; published Apr. 22, 1924.
Fisher-Smith Mfg. Co., Inc., New York, N. Y. Boiler compounds. 186,054; July 1; Serial No. 191,611; published Apr. 15, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 186,238; July 1.
Forst, H. S., & Co., Philadelphia, Pa. Combination hat carriers and overnight bags. 186,141; July 1; Serial No. 188,114; published Apr. 15, 1924.
Frischknecht, Otto, Union Hill, N. J. Spark-plug-cleaning tool. 186,116; July 1; Serial No. 193,280; published Apr. 22, 1924.
Garden City Fan Company, Chicago, Ill. Centrifugal fans. 186,228; July 1.
Gem Publishing Company. (See Young, Joseph S.)
Gemmato, Joseph D., doing business as Erbador Laboratories, New York, N. Y. Constipation corrector. 185,993; July 1; Serial No. 191,956; published Apr. 8, 1924.
General Chemical Company, New York, N. Y. Insecticides and fungicides. 186,017; July 1; Serial No. 190,681; published Mar. 25, 1924.
General Water Heater Corporation, Los Angeles, Calif. Automatic storage gas water heaters. 186,154–5; July 1; Serial Nos. 192,373–4; published Apr. 22, 1924.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, powders, face creams, etc. 186,033; July 1; Serial No. 183,919; published Apr. 15, 1924.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, face, talcum, and sachet powders, face creams, etc. 186,034; July 1; Serial No. 183,917; published Mar. 25, 1924.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, face, talcum, and sachet powders, face creams, etc. 186,128; July 1; Serial No. 183,916; published Mar. 25, 1924.
Giroux Company, New York, N. Y. Flavoring syrups for beverages. 186,207; July 1.
Glendora Mutual Orange Association, Azusa, Calif. Fresh citrous fruits. 186,075; July 1; Serial No. 192,910; published Apr. 22, 1924.
Golden Eagle Buggy Company, The, Atlanta, Ga. Inner tubes and tires. 186,200; July 1.
Golden State Mfg. & Packing Co. (See Hansen, Hans F.)
Goldmark, Adolph, & Sons, Corp., New York, N. Y. Beans in bulk. 186,231; July 1.
Goodrich, B. F., Company, The, New York, N. Y. Hose. 186,203; July 1.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Booklets and folders. 186,110; July 1; Serial No. 138,946; published Mar. 7, 1922.
Guaranteed Products, Inc. (See Routh, Robert, assignor.)
H.-L. Products Co. of Baltimore, The, Baltimore, Md. Antifreezing compound for automobile radiators. 186,182; July 1; Serial No. 191,432; published Apr. 22, 1924.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial silk, cotton, linen, and woolen piece goods. 186,192; July 1; Serial No. 174,006; published Mar. 6, 1923.
Haggie, R. Hood, & Son, Limited, Newcastle-on-Tyne, England. Binder twine and manila rope. 186,096; July 1; Serial No. 191,435; published Apr. 15, 1924.
Halowax Corporation, New York, N. Y. Chlorinated organic compounds. 186,048; July 1; Serial No. 191,176; published Apr. 15, 1924.
Hansen, Hans F., doing business as Golden State Mfg. & Packing Co., San Francisco, Calif. Flavoring and coloring sauce for soups, etc. 186,164; July 1; Serial No. 192,252; published Apr. 15, 1924.
Hayner, Norman C., Company, The, Rochester, N. Y. Germicide and deodorant. 185,996; July 1; Serial No. 191,881; published Apr. 8, 1924.
Heldtite Brush Co. Inc., Troy, N. Y. Brushes and barbers' dusters. 185,970; July 1; Serial No. 162,548; published Apr. 22, 1924.
Hergi Manufacturing Company, The, Bridgeport, Conn. Flexible shafts and outfits for pattern makers, die-sinkers, and welders. 186,120; July 1; Serial No. 193,109; published Apr. 22, 1924.
Hewekerl, Bertha, Omaha, Nebr. Hair tonic. 186,023; July 1; Serial No. 190,457; published Apr. 15, 1924.
Himmelfarbe, Eva., doing business as Windsor Stationery Co., Long Island City, N. Y. Writing paper and envelopes. 186,222; July 1.
Hoefler Centenial Chocolates, Inc., San Francisco, Calif. Chocolate candy. 186,076; July 1; Serial No. 192,975; published Apr. 22, 1924.
Holley Carburetor Company, Detroit, Mich. Vaporizing apparatus for internal-combustion engines. 186,049; July 1; Serial No. 191,019; published Apr. 22, 1924.
Holstein & Holstein, Batesburg, S. C. Salve. 186,127; July 1; Serial No. 192,531; published Apr. 22, 1924.
Honeycutt, David E., Shelby, N. C. Beverage sold as a soft drink and sirup for making same. 186,055; July 1; Serial No. 191,706; published Apr. 22, 1924.
Hood River Apple Vinegar Co., Hood River, Oreg. Concentrated fruit pectin. 186,243; July 1.
Horowitz, Philip, doing business as Kno-Shine Co., New York, N. Y. Stain remover and nap raiser for fabrics. 186,027; July 1; Serial No. 189,565; published Apr. 15, 1924.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, powders, cold cream, etc. 186,002; July 1; Serial No. 191,542; published Apr. 1, 1924.
Hoyt, Frank M., doing business as F. M. Hoyt & Co., Amesbury, Mass. Candy. 186,139; July 1; Serial No. 190,253; published Apr. 22, 1924.
Hudnut, Richard, New York, N. Y. Tooth pastes and powders and sachets. 185,999; July 1; Serial No. 191,829; published Apr. 8, 1924.
Hulman & Co., Terre Haute, Ind. Spices, peanut butter, honey, etc. 186,093; July 1; Serial No. 170,819; published Sept. 18, 1923.
Hurstell, Carl A., doing business as The Ellhurst Co., Utica, N. Y. Cough sirup. 185,981; July 1; Serial No. 192,124; published Apr. 15, 1924.
International Textbook Company. (See Colliery Engineer Co.)
Iodent Chemical Company, Detroit, Mich. Tooth paste. 186,053; July 1; Serial No. 191,320; published Apr. 15, 1924.
Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augers. 186,165–8; July 1; Serial Nos. 192,390–3; published Apr. 22, 1924.
Jack & Jill Health Products, Inc., New York, N. Y. Tooth paste. 185,984; July 1; Serial No. 191,708; published Apr. 8, 1924.
Jaques, W. B., Drug Company, Inc., Plattsburg, N. Y. Remedy for headache and neuralgia. 185,995; July 1; Serial No. 191,885; published Apr. 8, 1924.
Jeanette Doll Co., Inc., New York, N. Y. Dolls. 186,118; July 1; Serial No. 193,176; published Apr. 22, 1924.
Jenkins, Will D., Seattle, Wash. Foot powder. 185,998; July 1; Serial No. 191,831; published Apr. 8, 1924.
Johnston-Albershart Co., The, Cincinnati, Ohio. Bond paper, white and colors. 186,142; July 1; Serial No. 187,741; published Jan. 8, 1924.
Jovoy. (See Arvoy, Blanche.)
Kaiser, Barnard, Seattle, Wash. Preparation for the treatment of eczema and scabies. 185,978; July 1; Serial No. 181,528; published Mar. 11, 1924.
Karp, Joseph H., New York, N. Y. Liquid bleach, paste bleach, peroxide of hydrogen, etc. 186,179–80; July 1; Serial Nos. 190,378–9; published Apr. 22, 1924.
Kaye, Harry, doing business as Harry Kaye, Perfumer, New York, N. Y. Face powders and creams, toilet waters, rouges, etc. 186,169–70; July 1; Serial Nos. 192,394–5; published Apr. 22, 1924.

Kellogg-Birge Company, doing business as Kellogg Manufacturing Company, Keokuk, Iowa. Icing for use on cakes and the like. 186,250; July 1.
Kilmer, Dr., & Co., Binghamton, N. Y. Liver pills. 186,186; July 1; Serial No. 192,127; published Apr. 22, 1924.
Kirkham, Elizabeth W., doing business as Trinity Drug Company, New York, N. Y. Laxative medicine preparations. 186,010; July 1; Serial No. 190,930; published Apr. 15, 1924.
Kleinert, I. B., Rubber Company, New York, N. Y. Waterproof sheeting. 186,040; July 1; Serial No. 190,197; published Apr. 22, 1924.
Kno-Shine Co. (See Horowitz, Philip.)
Kring, Victor M., doing business as Saltier Laboratory, Fort Wayne, Ind. Laxative cough sirup. 186,176; July 1; Serial No. 191,834; published Apr. 15, 1924.
Kronstein, Robert, doing business as Heinrich Steiden's Nachf. Robert Kronstein, Vienna, Austria. Pharmaceutical products and preparations. 186,195; July 1; Serial No. 182,345; published Apr. 22.
Kuro Remedy Company. (See Darlington, William R.)
L. E. P. Company, The. (See Purdy, Frank C.)
Ladd, James B., Des Moines, Iowa. Swivel casters and caster centering and retaining devices. 186,087; July 1; Serial No. 173,603; published Apr. 15, 1924.
Landis & Co., Philadelphia, Pa. Stepladders. 186,150; July 1; Serial No. 192,023; published Apr. 22, 1924.
Latkn, Frank, doing business as Columbia Water Co., Jersey City, N. J. Beverages sold as soft drinks and sirups for making same. 186,086; July 1; Serial No. 179,047; published Apr. 22, 1924.
Lauber & Lauber Co., Chicago, Ill. Suppositories. 185,985; July 1; Serial No. 192,024; published Apr. 8, 1924.
Liberty Yeast Corporation, Baltimore, Md. Yeast. 186,051; July 1; Serial No. 191,273; published Apr. 15, 1924.
Lichtenberg, Harry F., Buffalo, N. Y. Apparatus for making tests of milk and other liquids. 186,151; July 1; Serial No. 192,128; published Apr. 22, 1924.
Limbert, Joseph, Independence, Iowa. Cigars. 186,121; July 1; Serial No. 193,055; published Apr. 22, 1924.
Linen Thread Co., The, New York, N. Y. Thread and yarn. 186,044; July 1; Serial No. 190,733; published Apr. 15, 1924.
Lloyd, E. E., Paper Company, Chicago, Ill. Writing paper. 186,072–3; July 1; Serial Nos. 192,776–7; published Apr. 15, 1924.
Long Eakins Co. (See Eakins, Herbert W.)
Lyndonville Creamery Association, Lyndonville, Vt. Fresh milk and cream, cheese, cottage cheese, etc. 186,037; July 1; Serial No. 189,905; published Apr. 15, 1924.
Macy, R. H., & Co., Inc., New York, N. Y. Perfume and toilet water. 185,979; July 1; Serial No. 192,187; published Apr. 15, 1924.
Marinette Knitting Mills, Marinette, Wis., Chicago, Ill., and New York, N. Y. Wearing apparel. 186,210; July 1.
Marinette Knitting Mills, Chicago, Ill., and New York, N. Y. Wearing apparel. 186,248; July 1.
Marinette Knitting Mills, Marinette, Wis. Wearing apparel. 186,249; July 1.
Marinette Knitting Mills, also doing business as The Oconto Mills, Chicago, Ill., and New York, N. Y. Wearing apparel. 186,246–7; July 1.
Marks, Nona J., doing business as Stay Fast Hanger Co., Philadelphia, Pa. Garment hangers. 186,153; July 1; Serial No. 192,712; published Apr. 22, 1924.
Mayanlake Candy Company, Chicago, Ill. Candy. 186,138; July 1; Serial No. 183,934; published Apr. 22, 1924.
McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Chocolate and candy. 186,254; July 1.
McKane-Lins Co., Milwaukee, Wis. Trunks and baggage. 186,134; July 1; Serial No. 182,715; published Apr. 15, 1924.
Mewhinney, A. B., Co., Inc., Terre Haute, Ind. Chocolate candy bar. 186,191; July 1; Serial No. 168,481; published July 3, 1923.
Milstead, James W., Huntington, W. Va. Pile remedy. 186,062; July 1; Serial No. 192,210; published Apr. 22, 1924.
Monnig, Hugo, Jefferson City, Mo. Card game. 186,152; July 1; Serial No. 192,140; published Apr. 22, 1924.
Monogram Pictures Corporation, New York, N. Y. Motion-picture films. 186,119; July 1; Serial No. 193,114; published Apr. 22, 1924.
Moore-Lowry Flour Mills Company, The, Wichita, Kans. Wheat flour. 186,123; July 1; Serial No. 192,719; published Apr. 22, 1924.
Morice Jute Mills, Philadelphia, Pa. Tube cord, box and wrapping twine, and bale rope. 186,237; July 1.
Motor-Fax, Los Angeles, Calif. Daily trade publications. 186,109; July 1; Serial No. 185,716; published Apr. 8, 1924.
Mt. Hood Soda Water Works, Portland, Oreg. Beverages sold as soft drinks. 186,122; July 1; Serial No. 192,849; published Apr. 22, 1924.
Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton twine. 186,103; July 1; Serial No. 181,143; published Apr. 22, 1924.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton twine. 186,104; July 1; Serial No. 181,142; published Apr. 15, 1924.
Musser, Harriet N., Hammond, Ind. Cigars. 186,042; July 1; Serial No. 190,701; published Apr. 22, 1924.
Nalley, Marcus, doing business as Nalley's Pure Food Products, Tacoma, Wash. Salad dressing, Thousand Island dressing, honey, etc. 186,201; July 1.
Naselmo Products Company. (See De Normandie, John H.)
National Aniline & Chemical Company Incorporated, New York, N. Y. Coal-tar dyestuffs. 186,016; July 1; Serial No. 190,702; published Mar. 25, 1924.
National Licorice Company, Brooklyn, N. Y. Booklet. 186,099; July 1; Serial No. 190,264; published Apr. 8, 1924.
New Britain Machine Co., The, New Britain, Conn. Socket-wrench sets. 185,962; July 1; Serial No. 186,753; published Apr. 15, 1924.
New England Lime Company, Danbury, Conn. Building materials. 186,137; July 1; Serial No. 183,986; published Apr. 22, 1924.
New Process Gear Corporation, Syracuse, N. Y. Gears and differentials and parts thereof. 185,973; July 1; Serial No. 132,443; published Apr. 22, 1924.
New York Merchandise Company, New York, N. Y. Dolls. 185,974; July 1; Serial No. 193,533; published Apr. 22, 1924.
Niagara Lithograph Co., Buffalo and New York, N. Y. Lithographs. 186,107; July 1; Serial No. 168,484; published Nov. 27, 1923.
Nolyec Laboratories, Inc., Chicago, Ill. Emulsion used in treating constipation. 186,171; July 1; Serial No. 192,415; published Apr. 22, 1924.
Nolyec Laboratories, Chicago, Ill. Emulsion used in treating constipation. 186,245; July 1.
Northam Warren Corporation, New York, N. Y. Cuticle remover, nail polish. 185,983; July 1; Serial No. 192,030; published Apr. 8, 1924.
Oakley & Co., New York, N. Y. Compact powder and rouge, lip stick, liquid and paste rouge. 186,187; July 1; Serial No. 192,032; published Apr. 22, 1924.
Oconto Mills, The. (See Marinette Knitting Mills.)
Ohmer Fare Register Company. (See American Taximeter Company, The, assignor.)
Oneida Community Limited, Oneida, N. Y. Pasteboard boxes. 186,140; July 1; Serial No. 189,335; published Apr. 15, 1924.
Pacific Coast Biscuit Company, Seattle, Wash. Candy. 186,188; July 1; Serial No. 158,795; published Nov. 28, 1922.
Pacific Manure & Fertilizer Co., San Francisco, Calif. Pulverized animal manure. 185,953; July 1; Serial No. 188,924; published Apr. 22, 1924.
Page, Robert R., New York, N. Y. Ink fountain spacers for printing presses. 186,236; July 1.
Palmomint Beauty Company, Middleburg, Va. Hair grower. 186,177; July 1; Serial No. 191,839; published Apr. 22, 1924.
Patton Bros. Drug Co. Catlettsburg, Ky. Compound for treating the bladder and kidneys. 186,230; July 1.
Peck, George J., Davenport, Iowa. Nonfreezing and non-evaporating automobile radiator solution. 186,029; July 1; Serial No. 189,069; published Mar. 25, 1924.
Pekkala, Alfred, Rochester, Minn. Skylights. 186,184; July 1; Serial No. 192,219; published Apr. 22, 1924.
Peninsular Portland Cement Company, Cement City, Mich. Portland cement. 186,060; July 1; Serial No. 192,034; published Apr. 22, 1924.
Pennsylvania Baking Company, Scranton, Pa. Pretzels. 186,113; July 1; Serial No. 193,353; published Apr. 22, 1924.
Pep Chemical Co., The, Burbank, Calif. Sulphur. 186,161; July 1; Serial No. 191,281; published Apr. 22, 1924.
Pioneer Instrument Company, Brooklyn, N. Y. Air-speed indicators, pressure gauges, etc. 186,240; July 1.
Purdy, Frank C., doing business as The L. E. P. Company, Sterling, Kans. Preparation for the treatment of hay fever, nasal catarrh, cold in the head, etc. 185,992; July 1; Serial No. 191,977; published Apr. 8, 1924.
Perdicakes, Katherine, New York, N. Y. Compound for the treatment of the hair. 186,185; July 1; Serial No. 191,338; published Apr. 22, 1924.
Pharmazeutische Industrie, A. G., Vienna, Austria. Powders, ointments, etc., for bilious and liver complaints and infections. 186,081; July 1; Serial No. 183,886; published Apr. 15, 1924.
Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Housepaint, concrete paint, and paint colors. 186,209; July 1.
Phillips, Dr. P., Company, Orlando, Fla. Citrous fruits. 186,204–6; July 1.
Quaker Oats Company, The, Chicago, Ill. Rolled oats and wheat flour. 186,088; July 1; Serial No. 173,531; published Nov. 6, 1923.
Rajo Motor Company, Racine, Wis. Valve-in-head attachments for automobile engines. 186,083; July 1; Serial No. 181,615; published Apr. 22, 1924.
Reading Iron Company, Reading, Pa. Wrought-iron pipe nipples. 186,126; July 1; Serial No. 192,643; published Apr. 15, 1924.

Redwood, Eagle, doing business as Redwood Medicine Company, Indianapolis, Ind. Liquid internal herb medicine, general tonic, eliminator. 186,018; July 1; Serial No. 190,609; published Apr. 8, 1924.
Reid Ice Cream Company, Brooklyn, N. Y. Ice cream. 186,189; July 1; Serial No. 159,179; published Aug. 1, 1922.
Relter-Klug-Dugan Company, The, Akron, Ohio. Gasoline-measuring devices. 186,175; July 1; Serial No. 191,840; published Apr. 22, 1924.
Remilier Co., The, New York, N. Y. Face powder. 185,990; July 1; Serial No. 191,979; published Mar. 25, 1924.
Remmers Soap Company, The, Cincinnati, Ohio. Soap. 186,232; July 1.
Revere Rubber Co., assignor to Revere Rubber Company, Boston, Mass. Mechanical rubber goods. 25,489–90; renewed Nov. 13, 1924.
Rice, L. J., Chicago, Ill. Hair tonic and hairdressing. 185,988; July 1; Serial No. 191,981; published Apr. 8, 1924.
Richardson, Hiram L., Portsmouth, Va. Medicine for chicken pox, roup, etc., in fowls. 186,028; July 1; Serial No. 189,521; published Apr. 15, 1924.
Riches, Piver & Co., New York, N. Y. Insecticides and fungicides. 185,980; July 1; Serial No. 192,149; published Apr. 15, 1924.
Richmond, Edward A., doing business as E. A. Richmond, Springfield, Mass. Skin lotion. 186,014; July 1; Serial No. 190,742; published Apr. 8, 1924.
Riverside Boiler Works, Inc., Cambridge, Mass. Range boilers and hot-water-storage tanks. 186,183; July 1; Serial No. 192,270; published Apr. 22, 1924.
Riverside Boiler Works, Inc., Cambridge, Mass. Range boilers and hot water storage tanks. 186,156; July 1; Serial No. 192,271; published Apr. 22, 1924.
Robb-Ross Company, The, Sioux City, Iowa. Gelatin dessert. 186,082; July 1; Serial No. 183,409; published Apr. 15, 1924.
Robbins, Samuel D., Boston, Mass. Publications on the correction of speech defects. 186,097; July 1; Serial No. 191,405; published Apr. 8, 1924.
Rockefeller Institute for Medical Research, The, New York, N. Y. Medicines, and, in particular, sodium salt of n-phenyiglycinenmide-p-arsonic acid. 186,022; July 1; Serial No. 190,470; published Apr. 1, 1924.
Rogers, Madison E., Winder, Ga. Stock tonic. 186,197; July 1; Serial No. 190,270; published Apr. 22, 1924.
Rohm & Haas Co., Inc., Philadelphia, Pa. Chemicals used for the tanning of hides. 186,025; July 1; Serial No. 190,271; published Apr. 8, 1924.
Rolltic Limited, London, England. Ticket delivering and registering machines. 186,039; July 1; Serial No. 190,129; published Apr. 22, 1924.
Rosengarten, William, doing business as Bureau of Vocational Research, New York, N. Y. Publications. 186,106; July 1; Serial No. 170,837; published Apr. 8, 1924.
Rotary Club of New York, New York, N. Y. Periodical. 186,102; July 1; Serial No. 182,440; published Apr. 1, 1924.
Routh, Robert, doing business as Swedish Litehair Shampoo Company, New York, N. Y., assignor to Guaranteed Products, Inc. Hair shampoo and hair washes. 186,021; July 1; Serial No. 190,473; published Apr. 15, 1924.
Rowan & Boden, Limited, Glasgow, Scotland. Door handles, keyhole plates, finger plates, etc. 185,960; July 1; Serial No. 188,135; published Apr. 15, 1924.
Royal Cocoa Co., Jersey City, N. J. Powdered cocoa, powdered chocolate and cocoa. 185,972; July 1; Serial No. 136,388; published Nov. 27, 1923.
Sachs, Sigmund, New York, N. Y. Molds and dies. 186,226; July 1.
Safety Globe & Manufacturing Co., The, Columbus, Ohio. Cleaner for ivory or white enameled and hardwood furniture, pianos, rugs, etc. 186,220; July 1.
Saltler Laboratory. (See Kring, Victor F.)
Samson Plaster Board Company, Buffalo, N. Y. Calcined-gypsum wall plasters. 186,147; July 1; Serial No. 191,347; published Apr. 22, 1924.
Sarco Company, Inc., New York, N. Y. Traps, strainers, and parts thereof and fittings. 186,041; July 1; Serial No. 190,360; published Apr. 15, 1924.
Schenkel, William J., Brookville, Inc. Incubators. 186,163; July 1; Serial No. 192,226; published Apr. 22, 1924.
Schlesinger, Moritz, New York, N. Y. Tooth paste. 186,013; July 1; Serial No. 190,745; published Mar. 25, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Oil used in fabric treatment for degumming, etc. 186,067; July 1; Serial No. 192,274; published Apr. 22, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Preparation for the treatment of textile fabrics. 186,068; July 1; Serial No. 192,276; published Apr. 22, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Softener, intensifier, and finish in treating textile fabrics. 186,157; July 1; Serial No. 192,277; published Apr. 22, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Scouring and fulling oils and softeners. 186,158; July 1; Serial No. 192,278; published Apr. 22, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Softeners for softening and finishing in the textile trades. 186,159; July 1; Serial No. 192,279; published Apr. 22, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Preparation for use in treating textile fabrics. 186,160; July 1; Serial No. 192,280; published Apr. 22, 1924.
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Toilet paper. 186,143; July 1; Serial No. 187,352; published Apr. 22, 1924.
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Toilet paper and envelopes. 186,144; July 1; Serial No. 187,351; published Apr. 22, 1924.
Scotch Oil Company, Madison, Wis. Cleaning oil and floor polish. 186,208; July 1.
Seeck & Kade, Inc., New York, N. Y. Silver preparation for the treatment of gonorrhea and as a general germicide. 185,982; July 1; Serial No. 192,094; published Apr. 8, 1924.
Sharp, Fletcher B., Toronto, Ontario, Canada. Medicinal mixtures for treatment of biliousness, etc. 185,997; July 1; Serial No. 191,844; published Apr. 8, 1924.
Shipherd, Guy D., doing business as Tooth-Num Laboratories, Omaha, Nebr. Dental anæsthetic. 186,020; July 1; Serial No. 190,475; published Apr. 15, 1924.
Siebrandt, John R., doing business as J. R. Siebrandt Manufacturing Company, Kansas City, Mo. Buck's extension, suspension frame (Balkan frame), and splint. 186,227; July 1.
Simpson, Bertha, New York, N. Y. Cigars. 186,036; July 1; Serial No. 189,696; published Apr. 22, 1924.
Skelton Shovel Company, Inc., Dunkirk, N. Y. Shovels and spades. 185,955; July 1; Serial No. 188,614; published Apr. 15, 1924.
Skelton Shovel Company, Inc., Dunkirk, N. Y. Shovels and spades. 185,969; July 1; Serial No. 188,613; published Apr. 15, 1924.
Smith Family, Limited, The, Grandfield, Okla. Preparations for the treatment of rheumatism, etc. 186,001; July 1; Serial No. 191,721; published Apr. 15, 1924.
Smith, L. C., Bearings Co., Chicago, Ill. Ball, roller, and thrust bearings, and steel balls, and connecting-rod and crank-shaft bearings. 186,038; July 1; Serial No. 189,921; published Apr. 22, 1924.
Smith, L. C., Bearings Co., Chicago, Ill. Bearings. 186,140; July 1; Serial No. 191,916; published Apr. 22, 1924.
Soc. An. Esco, Cinzano & Cia, Turin, Italy. General tonic. 185,963; July 1; Serial No. 185,879; published Apr. 8, 1924.
Societe Anonymie "Crayons Conte," Regny, Loire, and Paris, France. Crayons, crayon holders, pencils, etc. 186,223; July 1.
Société Chimique des Usines du Rhone, Paris, France. Pharmaceutical products. 185,964–8; July 1; Serial Nos. 185,050–4; published Apr. 15, 1924.
Societe Chimique des Usines du Rhone, Paris, France. Pharmaceutical products. 186,079; July 1; Serial No. 185,048; published Apr. 15, 1924.
Société de Stéarinerie et Savonnerie de Lyon, Lyon, France. Artificial lard and cooking oil. 186,085; July 1; Serial No. 180,196; published Apr. 15, 1924.
Southern California Fish Corporation, East San Pedro, Calif. Canned tunny fish. 186,244; July 1.
Sparklo Company, Seymour, Ind. Carbonated laxative drink. 185,987; July 1; Serial No. 191,986; published Apr. 8, 1924.
Standard Oil Company, (New Jersey), Bayonne, N. J. Mineral oil. 186,080; July 1; Serial No. 184,479; published Apr. 22, 1924.
Star Manufacturing Company, Carpentersville, Ill. Plow and lister shares, cultivator shovels, etc. 185,954; July 1; Serial No. 188,869; published Apr. 15, 1924.
Stay Fast Hanger Co. (See Marks, Nona J.)
Steiden's, Heinrich, nachf. Robert Kronstein. (See Kronstein, Robert.)
Stephen Jerry & Co., Inc., New York and Brooklyn, N. Y. Hoops, barrels, staves, etc. 186,130; July 1; Serial No. 167,524; published Apr. 15, 1924.
Sterling Engine Co., Buffalo, N. Y. Internal-combustion engines. 185,956–8; July 1; Serial Nos. 188,335–7; published Apr. 15, 1924.
Sterling Engine Co., Buffalo, N. Y. Internal-combustion engines. 185,977; July 1; Serial No. 188,334; published Apr. 15, 1924.
Straight, John R., Portland, Oreg. External salve for eczema, barbers' itch, boils, etc. 186,015; July 1; Serial No. 190,711; published Apr. 1, 1924.
Streine Tool & Manufacturing Company, The, New Bremen, Ohio. Corrugating and crimping machines, power squaring and gap shears, etc. 186,178; July 1; Serial No. 191,793; published Apr. 22, 1924.
Swaim, Charles L., Hayden, Ariz. Hair tonic. 186,052; July 1; Serial No. 191,287; published Apr. 15, 1924.
Swedish Litehair Shampoo Company. (See Routh, Robert.)
Swift and Company, Chicago, Ill. Fertilizer. 186,125; July 1; Serial No. 192,650; published Apr. 22, 1924.
Taylor, Mamie L., Harrisburg, Pa. Hair pomade. 186,031; July 1; Serial No. 186,256; published Apr. 8, 1924.
Thew, Hooker & Gilbey, Ltd., London, England. Malted milk, malted-milk chocolate and toffee, etc. 185,961; July 1; Serial No. 187,650; published Apr. 15, 1924.
Thomas, Ella L., Memphis, Tenn. Scalp preparation. 186,009; July 1; Serial No. 190,946; published Apr. 8, 1924.
Thyrole Chemical Co. (See Weinstock, Isadore R.)
Tooth-Num Laboratories. (See Shipherd, Guy D.)

Trinity Drug Company. (See Kirkham, Elizabeth W.)
Tropical Date Company, Inc., The, Thermal, doing business as Valley Packing Association, Coachella, Calif. Dates. 186,133; July 1; Serial No. 171,559; published Apr. 22, 1924.
Tullar-Meredith Co., New York, N. Y. Song and story leaflets or booklets. 186,108; July 1; Serial No. 189,871; published Apr. 1, 1924.
Turner, Benjamin, New York, N. Y. Hay-fever remedy. 186,019; July 1; Serial No. 190,323; published Apr. 15, 1924.
Tuttle & Bailey Manufacturing Company, Brooklyn, N. Y. Heating and ventilating apparatus. 186,190; July 1; Serial No. 168,439; published Apr. 22, 1924.
Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 186,131–2; July 1; Serial Nos. 169,038–9; published Apr. 15, 1924.
Universal Mills, Fort Worth, Tex. Feeds for chickens, pigeons, etc. 186,225; July 1.
Utah Canning Company, The, Ogden, Utah. Canned tomatoes. 186,074; July 1; Serial No. 192,869; published Apr. 22, 1924.
Valley Packing Association. (See Tropical Date Company.)
Varney, Fred N., Lynchburg, Va. Salted peanuts. 186,058; July 1; Serial No. 191,796; published Apr. 22, 1924.
Vernon, S. E. & M., Inc., New York, N. Y. Paper. 186,216; July 1.
W. W. Laboratories. (See Wieczorek, Walter W.)
Walrath, H. J., & Sons, Conneaut, Ohio. Insecticides and fungicides. 186,026; July 1; Serial No. 189,826; published Mar. 25, 1924.
Weinstock, Isadore R., doing business as Thyrole Chemical Co., Philadelphia, Pa. Preparation for the treatment of inflammation, congestion, etc. 185,991; July 1; Serial No. 191,653; published Apr. 8, 1924.
Wells Corporation, The, Greenfield, Mass. Spiral fluted taps, spiral fluted tapper and stay-bolt taps. 186,217–18; July 1.
Wieczorek, Walter W., doing business as W. W. Laboratories, Chicago, Ill. Blood purifiers. 186,035; July 1; Serial No. 182,082; published Apr. 1, 1924.
Williams, Chauncey A., Manchester, N. H. Latch needles. 185,976; July 1; Serial No. 188,354; published Apr. 22, 1924.
Williams, Oliver, Cornwall Bridge, Conn. Fresh and canned corn, beans, carrots, beets, etc. 186,084; July 1; Serial No. 180,820; published Apr. 15, 1924.
Willner & Maiman, Brooklyn, N. Y. Eggs. 186,105; July 1; Serial No. 173,220; published May 1, 1923.
Windsor Stationery Co. (See Himmelfarbe, Eva.)
Woolson Spice Company, The, Toledo, Ohio. Spices, coffee, and tea. 185,971; July 1; Serial No. 160,522; published Apr. 22, 1924.
Young, Joseph S., doing business as Gem Publishing Company, Cleveland, Ohio. Table game played with pieces. 186,090; July 1; Serial No. 172,812; published Mar. 13, 1923.
Zain, George, doing business as Crocker Pen Mfg. Company, Boston, Mass. Fountain pens. 186,078; July 1; Serial No. 193,561; published Apr. 22, 1924.
Zellerbach Paper Company, San Francisco, Calif. Paper bags. 186,063–6; July 1; Serial Nos. 192,232–5; published Apr. 15, 1924.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 186,229; July 1.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Auburndale Citrus Growers Association, Auburndale, Fla. Ariana. For Citrus Fruits. 27,511; July 1.
Bluine Manufacturing Company, Concord Junction, Mass. Blue Star. For Chewing Gum. 27,512; July 1.
Bob's Candy Co., Albany, Ga. Bob's Pe Kons. For Candy. 27,513; July 1.
Cherokee County Farm Labor Union, Jacksonville, Tex. Southland. For Fresh Tomatoes. 27,514; July 1.
Cottage Creamery Company, The. (See Menasha Printing and Carton Company, assignor.)
Crossan, George W., Excelsior Springs, Mo. Crossan's R. S. C. For a Medicinal Preparation for Rheumatism, Stomach Trouble, Catarrh, Cough, and Cold. 27,515; July 1.
Cunningham, J. R., Kansas City, Mo. Jack's Pork Rind Minnow. For Fishing Bait. 27,516; July 1.
Davis, Lyman T., doing business as Lyman's Pure Food Products Co., Corsicana, Tex. Lyman's Famous Wolf Brand Chili Made of Choice Beef. For Chili of Beef. 27,517; July 1.
Frey-Weaver Co., Lancaster, Pa. Purity. For Coffee. 27,518; July 1.
Goddard Grocer Company, The, St. Louis, Mo. Colonial Style. For Canned Pork and Beans. 27,519; July 1.
Martin, Harry G., Los Angeles, Calif. Pyorrhea Remedy. For a Liquid for a Mouth Wash. 27,520; July 1.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Cottage Creamery Company, Cleveland, Ohio, Cottage Creamery Eggs. For Eggs. 27,521; July 1.
Nip-O-Products Co., New York, N. Y. Nip-O-Tea. For Teas. 27,522; July 1.
Northern Illinois Cereal Company, Chicago, Ill. Aluminum Ware Quick Cook Oats. For Rolled Oats. 27,523; July 1.
Rainier National Park Company, Tacoma, Wash. Columbia Crest Brittle. For Candy Boxes. 27,524; July 1.
Sheppard, Alex, and Sons, Inc., Philadelphia, Pa. Morning sip. For Roasted Coffee. 27,525; July 1.
Sorver, McEvoy & Co., Philadelphia, Pa. Sormaco. For Coffee. 27,526; July 1.
Sunshine Potato Chip Co., Jacksonville, Fla. Sunshine Potato Chips. For Containers for Potato Chips. 27,527; July 1.
Townsend, E. W., doing business as E. W. Townsend & Sons, Salisbury, Md. Townsend Special. For Cucumbers. 27,528; July 1.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Art Needle Works, Cicero, Ill. Twin Chapters Silk Lamp Shades. For Lamp Shades. 7,453; July 1.
Bayuk Cigars Incorporated, Philadelphia, Pa. It's Ripe Tobacco. For Cigars. 7,454; July 1.
Halback, C. E., & Co., Incorporated, Brooklyn, N. Y. Ornamental Iron & Steel Construction. For Fabricated Iron and Steel for Building Purposes. 7,455; July 1.
Heywood-Wakefield Company, Boston, Mass. Lloyd Loom Products. For Baby Carriages and Furniture. 7,456; July 1.
North American Press, The, Milwaukee, Wis. German National Farm Weeklies. For Publications. 7,457; July 1.
Norwich Pharmacal Co., The, Norwich, N. Y. Unguentine—for Sunburn. For a Medicinal Preparation for the Relief of Burns and Sunburn and Other Skin Irritations. 7,458; July 1.
Sabin, Edward R., Company, Philadelphia, Pa. Sabin Tank-in-Basement Hot Water Heating System. For a Hot-Water Heating System. 7,459; July 1.
San-I-Sal Laboratories, Inc., The, Washington, D. C. The secret of slimness revealed. For a Weight-Reducing Bath Preparation. 7,460; July 1.
Soft Wheat Millers' Association, Nashville, Tenn. Healthful—Dependable—Economical. For Flour. 7,461; July 1.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abendroth Brothers, Port Chester, N. Y. Gas ranges, stoves, etc. 179,657; July 1.
African & Eastern Trading Co., Incorporated, The, New York, N. Y. Wheat flour. 196,895; July 1.
Aktieselskabet Aalborg Portland-Cement-Fabrik, Aalborg, Jutland, Denmark. Cements. 173,908; July 1.
Aktieselskabet Freia Chocolade Fabrik, Christiania, Norway. Candies and chocolates. 192,102; July 1.
American Cellulose & Chemical Manufacturing Company Limited, New York, N. Y. Dyestuffs. 195,564; July 1.
American Forestry Association, The, Washington, D. C. Magazine. 195,324; July 1.
American Hosiery and Underwear Corporation, Norwood, Mass. Sweaters, bathing suits, hosiery, etc. 195,795; July 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

American Lady Corset Co., Detroit, Mich. Boning, steels, and staying materials. 197,240; July 1.
American Pharmacal Company, The, Memphis, Tenn. Medicinal preparation for pertussis. 196,948; July 1.
Andala Company, The, Andalusia, Ala. Children's athletic underwear. 195,796; July 1.
Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic films. 194,152; July 1.
Arabol Mf'g Co., The, New York, N. Y. Oils, greases, and gums. 189,028; July 1.
Arata, Frank G., Portland, Oreg. Olive oil. 174,380; July 1.
Archibald, C. R., doing business as Union Label Press, Warren and Youngstown, Ohio. Calendars. 193,267; July 1.
Armstrong, William, New York, N. Y. Daily publication. 193,884; July 1.
Arnold, F. R., & Co., New York, N. Y. Toilet soap. 191,158; July 1.
Associated Merchandizing Corporation, Newark, N. J., and New York, N. Y. Scissors. 178,703; July 1.
Associated Products Company, Brooklyn, N. Y. Polish. 195,255; July 1.
Auerbach Company, Salt Lake City, Utah. Creamery butter. 197,058; July 1.
Bahnsen, C., & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 196,787; July 1.
Bailey, E. Marvin, Houston, Tex. Heat pad for medical purposes. 188,290; July 1.
Barker, Brader, Atlanta, Ga. Liquid preparation for indigestion, rheumatism, etc. 196,999; July 1.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 196,500; July 1.
Belanger, Emil J., Duluth, Minn. Washing compound. 196,228; July 1.
Bell's United Asbestos Company Limited, London, England. Plastic metallic packing. 194,637; July 1.
Bendiner & Schlesinger. (See Schlesinger, Maurice F.)
Benz, Lorenz, Astoria, N. Y. Remedy for poison ivy, sunburn, etc. 197,247; July 1.
Bergmann, Christian N., Pittsburgh, Pa. Paper containers. 195,629; July 1.
Big Vein Anthracite Collieries, Inc., Washington, D. C. Coal. 195,329; July 1.
Blackstone Manufacturing Co., Newark, N. J. Vanilla extract, lemon extract, etc. 170,518; July 1.
Block House, Inc., New York, N. Y. Toy building blocks. 197,412; July 1.
Bonded Products Corporation, New York, N. Y. Soap and soap products. 196,571; July 1.
Bonvillain, Robert F., Shreveport, La. Preparation for use in automobile radiators. 180,786; July 1.
Bosworth, Millard M., doing business as M. M. Bosworth Company, Memphis, Tenn. Burlap bags. 194,252; July 1.
Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 196,152; July 1.
Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 196,508; July 1.
Braden Company, The, Tulsa, Okla. Metal frames for buildings, windows, and doors. 196,572; July 1.
Branstad, Arthur J., doing business as Branstad Drug Company, Eau Claire, Wis. Ointment. 194,781; July 1.
Breslauer, A., Inc., New York, N. Y. Nonelectric curling irons, straightening irons, etc. 191,425; July 1.
Broome, Frederick S. J., doing business as Dymuth Company, Matlock, England. Insect-destroying preparations. 195,800; July 1.
Burlock Non-Skid Tire Corporation, New York, N. Y. Rubber tires. 186,772; July 1.
Cadman, A. W., Manufacturing Co., Pittsburgh, Pa. Bearing metals. 188,584; July 1.
California Lingerie Company. (See Klugman, Morris.)
Capeci, Ernest, Port Chester, N. Y. Medicine for indigestion, constipation, headaches, etc. 196,951; July 1.
Capeci, Ernest, Port Chester, N. Y. Ointment for eczema and kindred skin troubles. 196,952; July 1.
Cara-Mia, Inc., Chicago, Ill. Toilet powders, rouges, face creams, and lotions. 197,252; July 1.
Carson Pirie Scott & Co., Chicago, Ill. Kitchen cabinets, bases, and tables. 195,944; July 1.
Cathcart and Cathcart Inc., Newburgh, N. Y. Medicinal preparation. 197,186; July 1.
Ce Leb Manufacturing Company. (See Leonald, Linnie E.)
Central Chemical Company, The, Hagerstown, Md. Germicides, fungicides, fumigants, etc. 197,253; July 1.
Central Commercial Company, Chicago, Ill. Asphalt. 196,429; July 1.
Central Glass Company, Louisville, Ky.; Huntington, W. Va.; Chattanooga, Tenn.; Evansville, Ind.; and Bristol, Va. Varnish stains, paint enamels, etc. 194,590; July 1.
Cheramy, Inc., New York, N. Y. Toilet water, vegetal bath salts, etc. 196,908; July 1.
Chesbrough, Nancy K., Grosse Pointe, Mich. Salad dressing. 193,447; July 1.
Chez Rellew Laboratories. (See Saussier, Inc.)
Chicago Form Clamp Company, Chicago, Ill. Form clamps, shores, sleeper chairs, and form spacers. 194,591; July 1.
Chipman Knitting Mills, Easton, Pa. Hosiery. 196,511; July 1.
Clark Manufacturing Company, The, Fort Smith, Ark. Vanishing cream, face bleach, hair grower, etc. 196,953; July 1.
Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 195,212; July 1.
Climax Creamery Co., Shawnee, Okla. Butter. 192,239; July 1.
Cohn, Reissman & Co., Chicago, Ill. Men's suits. 195,866; July 1.
Cohn, Reissman & Co., Chicago, Ill. Men's topcoats. 195,868; July 1.
Cole, Benj., Jr., & Co., Boston, Mass. Canned vegetables. 194,395; July 1.
Coleman, Charles E., Elgin, Ill. Quinine hair tonic, toilet water, beauty clay, etc. 195,738; July 1.
Collins-Hencke Candy Co., San Francisco, Calif. Candy. 195,803; July 1.
Columbia X-Ray & Electric Corporation, New York, N. Y. Dental casts, forms, display stands, etc. 188,182; July 1.
Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Fibers for brooms and brushes. 195,216–17; July 1.
Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Fibers for brooms and brushes. 195,219; July 1.
Conklin's Products Inc., Long Island City, N. Y. Radiator compound. 197,063; July 1.
Corn Products Refining Company, New York, N. Y. Laundry starch. 181,940; July 1.
Corn Products Refining Company, New York, N. Y. Starch. 195,335; July 1.
Cox, Duff K., Columbus, Miss. Liniment and blood sirup. 197,192; July 1.
Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Brass and bronze castings, Babbitt metal, etc. 185,956–7; July 1.
Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Nonferrous metals and nonferrous-metal castings and forgings. 185,959; July 1.
Cupples Company, Manufacturers, St. Louis, Mo. Rubber heels. 196,237; July 1.
Cushman, John L., Yonkers, N. Y. Tapioca. 194,911; July 1.
Cyclone Fence Company, North Chicago, Ill. Fence fabric. 193,506; July 1.
Denville Silk Company, New York, N. Y. Silk goods and shirtings. 196,106; July 1.
De Picabl, Manuel M., New York, N. Y. Coffees, teas, chocolates, bonbons, cocoa. 193,326; July 1.
Derby Ginger Ale Company. (See La Pides, Abraham.)
Des Moines Saddlery Company, Des Moines, Iowa. Harness and horse collars. 195,502; July 1.
Doering, Julius A., New York, N. Y. Edible vegetable oil. 194,097; July 1.
Doran, William F., doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Gear-shift extension handles for automobiles. 194,340; July 1.
Dunman, Nesbit M., doing business as Dunness Manufacturing Company, Houston, Tex. Medicine for pyorrhea. 192,013; July 1.
Dunn, Mrs. Frank C., doing business as The Fresca Co., Lansing, Mich. Antiseptic powders. 196,698; July 1.
Dunness Manufacturing Company. (See Dunman, Nesbit M.)
Durham Hosiery Mills, Durham, N. C. Hosiery. 196,296; July 1.
Dymuth Company. (See Broome, Frederick S. J.)
Earco. (See Ruthstrom, Elmer A.)
Edmonds Shoe Company, Milwaukee, Wis. Shoes. 195,097; July 1.
Egan, Dr. S. J., Manufactory, Chicago, Ill. Hairbrushes. 197,264; July 1.
Endurance Knitting Company, Philadelphia, Pa. Ladies' silk hose. 193,217; July 1.
Estee Laboratories Company, Dallas, Tex. Hair dressing. 197,019; July 1.
Etablissements Poulenc Frères (Société Anonyme), Paris, France. Photography. 197,021; July 1.
Euclid Candy Co., The, Cleveland, Ohio. Candy. 170,570; July 1.
European Export Corporation, The, Washington, D. C. Olive oil and olives. 185,747; July 1.
Fairy Dyes, Ltd., Glasgow, Scotland. Dyes. 192,176; July 1.
Fayfield Knoll Company, Buffalo, N. Y. Skates. 196,297; July 1.
Filipowicz, J., & Co., Baltimore, Md. Preparation for colds, etc. 197,141; July 1.
Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Laxative tea. 196,857; July 1.
Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Antiseptic solution. 196,859; July 1.

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Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Capsule for colds and grippe. 196,860; July 1.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,813; July 1.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,818; July 1.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,823; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,342; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,348; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,353–4; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,357; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,385; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,387; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,389; July 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,391; July 1.
Fox Film Corporation, New York, N. Y. Motion-picture films. 193,764–5; July 1.
Franklin Hardware Co. Inc., New York, N. Y. Twist drills, files, wrenches, etc. 186,636; July 1.
Fresca Co., The. (See Dunn, Mrs. Frank C.)
Gallub, Philip, New York, N. Y. Silk piece goods. 195,275–6; July 1.
Gallub, Philip, New York, N. Y. Silk piece goods. 196,801; July 1.
Garric, André, Layrac, France. Plows. 190,778; July 1.
Germano, A., & Son, New York, N. Y. Olive oil. 194,534; July 1.
Gerstle Medicine Co. (See Plough Chemical Co.)
Getz-Off-All Corn Remedy. (See Keeler, Waldo F.)
Gillen & Boney, Inc., Lincoln, Nebr. Candy. 189,889; July 1.
Glix-Brand Underwear Co., New York, N. Y. Underwear. 193,457; July 1.
Good Rubber Company, The, Akron, Ohio. Toy balloons. 195,816; July 1.
Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, Tex. Salt, baking powder, cream of tartar. 196,862; July 1.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyestuffs, intermediates, and accelerators for rubber vulcanization. 196,865; July 1.
Great West Mill & Elevator Company, Amarillo, Tex. Wheat flour. 197,370; July 1.
Griffin Manufacturing Co. Inc., New York, N. Y. Cleaning fluid, shoe polishes, etc. 192,378; July 1.
Gross, James E., Chicago, Ill. Powdered mixture of substances used as a cathartic. 188,630; July 1.
Grubenholz-Imprägnierung G. m. b. H., Berlin, Germany. Wood-preserving, plant and animal destroying, and disinfecting preparations or compounds. 194,056; July 1.
Grubenholz-Imprägnierung G. m. b. H., Berlin, Germany. Wood-preserving, plant and animal destroying, and disinfecting preparations or compounds. 194,058–9; July 1.
Hearn, James A., & Son, Inc., New York, N. Y. Woolen blankets. 195,282; July 1.
Heath, Albert C., doing business as Nasalfilter Company, St. Paul, Minn. Chemical preparation for treatment of colds, catarrh, etc. 197,201; July 1.
Heller, B., & Company, Chicago, Ill. Chemical preparation used to color sausage casings. 195,744; July 1.
Herman's Pharmaceutical Laboratories, Elizabeth, N. J. Medicinal preparation for stomach disorders and kindred ailments. 194,539; July 1.
Hiawatha Gin and Manufacturing Company, Inc., Wilmington, Del., and Jackson, Miss. Animal feed. 197,028; July 1.
Hille Laboratories, Chicago, Ill. Medicinal compound. 193,285; July 1.
Hoffmann Novelty Co., Oakland, Calif. Lingerie strap holders. 191,434; July 1.
Hohlfeld Manufacturing Company, Philadelphia, Pa. Cloth towels, wash rags, etc. 196,744; July 1.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 196,868; July 1.
Holley Carburetor Company, Detroit, Mich. Carburetors. 195,061; July 1.
Hollinshed, Chas., Co., Inc., New York, N. Y. Pork, beef, and lard. 190,341; July 1.
Holtz, Armand, Paris, France. Perfumes, rouges, face powder, etc. 197,027; July 1.
Hudson, William F., Philadelphia, Pa. Baby exercisers. 196,594; July 1.
Huntsville Warehouse Company, Huntsville, Ala. Animal molasses feeds. 197,330; July 1.
Hutchinson-Winch. (See International Shoe Company.)
Ink-Out Mfg. Co., Inc., Montclair, N. J. Ink eradicator. 197,029; July 1.
Interlocking Toggle Rim Co., Fort Valley, Ga. Automobile rims. 177,560; July 1.
International Shoe Company, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass. Leather and canvas boots, shoes, and slippers. 194,999–195,000; July 1.
Ivory Garter Company, New Orleans, La. Suspenders and garters. 195,400–1; July 1.
Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 193,593; July 1.
Jenkins Manufacturing Company, Fort Worth, Tex. Sport and play oversuits for boys and girls. 195,965; July 1.
Jessop Steel Company, Washington, Pa. High-speed steel. 194,068; July 1.
Jig Bushing Company, The, Pontiac, Mich. Reamers, bushings, and jigs. 192,487; July 1.
Kann, S., Sons Company, The, Washington, D. C. Japanese straw rugs and fiber and grass rugs. 195,522; July 1.
Kaul Lumber Company, Tuscaloose and Birmingham, Ala. Lumber. 195,749; July 1.
Keeler, Waldo F., doing business as Getz-Off-All Corn Remedy, Washington, D. C. Preparation for corns, calli, and warts. 195,580; July 1.
Kladivko, Elfreda, Bayside, N. Y. Candy. 189,980; July 1.
Klugman, Morris, doing business as California Lingerie Company, Los Angeles, Calif. Ladies' silk underwear. 195,889; July 1.
Knox, Rosa, Greenville, Miss. Hair grower. 195,402; July 1.
Koeppen, Frank, Elkhorn, Wis. Healing salve. 195,404; July 1.
Laudau, Bernard, doing business as Landau & Steinberg, New York, N. Y. Woolens and worsteds in the piece. 197,156–7; July 1.
Lande & Miskend, New York, N. Y. Women's silk undergarments and negligees. 196,125; July 1.
La Pides, Abraham, doing business as Derby Ginger Ale Company, Inc., Baltimore, Md. Ginger ale. 196,529; July 1.
Lawrence & Co., Poughkeepsie, N. Y. Wide elastic fabric. 195,525; July 1.
Lee, W. E., & Company, Inc., Plant City, Fla. Fresh citrous fruits. 189,904; July 1.
Leonard & Baker Stove Company, Taunton, Mass. Coal and gas ranges and heaters. 195,452; July 1.
Leonard, Linnie E., doing business as Ce' Leb Manufacturing Company, Cleveland, Ohio. Cleansing creams, face pack, etc. 195,893; July 1.
Loeb, Albert H., Charlevoix, Mich. Full-cream cheese. 197,160; July 1.
Loug Handkerchief Co., Inc., Passaic, N. J., and New York, N. Y. Handkerchiefs. 196,815; July 1.
Lorraine, Rhé D., New York, N. Y. Cold cream, face powder, rouges, and perfumes. 195,703; July 1.
Lyon & Lyon, Chicago, Ill. Deodorant and antiseptic tonic for the feet. 195,453; July 1.
Maag, August, Co., The, Baltimore, Md. Bake pans. 195,649; July 1.
Macri, Edward J., New York, N. Y. Market reports, financial and business charts, etc. 196,465; July 1.
Magill-Weinsheimer Company, Chicago, Ill. Window envelopes. 193,528–9; July 1.
Manchester Cigar Company. (See Reichard, John F.)
Manufacturers Supplies Company, St. Louis, Mo. Threads. 158,635; July 1.
Martin Bros. Company, The, Denver, Colo. Cheese and cheese products. 196,537; July 1.
Mass, Nathaniel J., doing business as Mass Manufacturing Company, New York, N. Y. Hats. 196,173–4; July 1.
Master-Cord Belt Company, The, Denver, Colo. Rubber and fiber cord pulley belts. 156,703; July 1.
Maury-Cole Company, Memphis, Tenn. Talcum powder. 197,161; July 1.
McElheran, Minnie, Cheyenne, Wyo. Textile towels and tea towels. 196,178; July 1.
McNair, Louise R., Warsaw, N. Y. Knitted diapers. 195,298; July 1.
Meeker, A. R., & Company, Newark, N. J. Paper. 195,825; July 1.
Merchants Wholesale Grocery Company, Inc., Philadelphia, Pa. Coffee. 195,177; July 1.
Merchants Wholesale Grocery Co., Inc., Philadelphia, Pa. Canned vegetables, coffee, tea, and rice. 195,454; July 1.
Merrell-Soule Company, Syracuse, N. Y. Prepared cocoa. 191,837; July 1.
Model Brassiere Co. Inc., New York, N. Y. Undergarment for women. 196,066; July 1.
Montiel, Nicolás, New York, N. Y. Skin-beautifying lotion. 196,963; July 1.
Moreschi, Philip, doing business as The National Perfumery Mfg. Co., Waterbury, Conn. Perfumery, hair tonics, toilet waters, etc. 196,923; July 1.
Morgan Maid Canning Co. (See Reid, Lawrence J., assignor.)
Morgenstern & Company, New York, N. Y. Solution for intravenous therapy. 195,531; July 1.

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Moxie Company, The, Portland, Me., and Boston, Mass. Beverage and sirup for making the same. 178,054; July 1.
Müller, C. F. Otto, Karlsruhe, Germany. Pastes, powders, oils, etc. 197,105; July 1.
Mustin, J. Burton, doing business as Stratford Knitting Mills, Philadelphia, Pa. Kimonos, wrappers, and bath robes. 195,235; July 1.
Nasaltiter Company. (See Heath, Albert C.)
National Perfumery Mfg. Co., The. (See Moreschi, Philip.)
Nemmers, Peter J. L., Chicago, Ill. Dental hand-piece sterilizers and sterilizers of dental apparatus. 195,120; July 1.
Nestor Johnson Mfg. Co., Chicago, Ill. Ice skates. 197,288; July 1.
Neuhoff, Fred B., Company, San Francisco, Calif. Dried raisins. 193,061; July 1.
Nevins, Herbert, doing business as H. Nevins Co., Peoria, Ill. Shoe dressing and auto top and carriage dressing. 193,946; July 1.
Northwest Engineering Company, Green Bay, Wis. Trench excavators, hoisting machines, etc. 189,334; July 1.
Nunnally Company, The, Atlanta, Ga. Candy. 195,456; July 1.
O. G. Chemical Company, Detroit, Mich. Mustard-plaster rub. 196,754; July 1.
Oakes & Burger Co., Cattaraugus, N. Y. Cans, tanks, pails, etc. 193,305; July 1.
Oakley Laboratories, Incorporated, Minneapolis, Minn. Embalming fluid. 196,753; July 1.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 197,039; July 1.
Outlet Millinery Company, Incorporated, Hartford, Conn. Women's hats. 195,963; July 1.
Pacific Novelty Company, New York, N. Y. Rattles and children's toys. 197,042; July 1.
Peet Stock Remedy Company, Council Bluffs, Iowa. Medicinal powder. 196,673; July 1.
Pelzer Manufacturing Company, Boston, Mass. Cotton piece goods. 196,711; July 1.
Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 177,992; July 1.
Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 177,994; July 1.
Phairmount Laboratories, Hackensack, N. J. Tonic. 197,166; July 1.
Phillips, Dr. P., Company, Orlando, Fla. Citrous fruits. 193,624; July 1.
Phillips-Jones Corporation, New York, N. Y. Silk piece goods, cotton piece goods, etc. 197,111; July 1.
Photo-Record Paper Co. (See Schmidt, C. Fred.)
Plough Chemical Company, doing business as Gerstle Medicine Co., Memphis, Tenn. Medicinal preparations. 186,155; July 1.
Pocahontas Guano Co., Inc., Lynchburg, Va. Fertilizer. 195,835; July 1.
Polansky, Alois J., Fayetteville, Tex. Medicinal preparation for tuberculosis and all lung affections. 195,185; July 1.
Portland Linseed Oil Works, Inc., The, Portland, Oreg. Linseed-oil meal. 197,167; July 1.
Prebol Drug Company, Passaic, N. J. Preparation for leucorrhea, etc. 197,168; July 1.
Public Ledger Company, Philadelphia, Pa. Title for a series of newspaper articles. 195,538; July 1.
Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Children's tricycles. 197,045; July 1.
Pull-The-String Mailing Wrapper Co., Chicago, Ill. Mailing wrapper. 195,459; July 1.
Reichard, John F., doing business as Manchester Cigar Company, York, Pa. Cigars. 194,124; July 1.
Reid, Lawrence J., assignor to Morgan Maid Canning Co., Fort Morgan, Colo. Canned fruits and vegetables. 178,925; July 1.
Research Club, Inc., Chicago, Ill. Rubber-tube patching, inner tubes, etc. 188,434–5; July 1.
Rogers and Kicklighter, Alexandria, Va. Hollow concrete tile. 196,881; July 1.
Rogers Peet Company, New York, N. Y. Mackintoshes and raincoats. 196,021; July 1.
Royal-Ascot Knitting Mills Company, Philadelphia, Pa. Knitted cloth and fabric of silk, artificial silk, etc. 196,197; July 1.
Ruthstrom, Elmer A., doing business as Earco, Seattle, Wash. Pectin. 194,948; July 1.
St. Louis Pump & Equipment Company, St. Louis, Mo. Measuring pumps. 183,007; July 1.
St. Louis Pump & Equipment Company, St. Louis, Mo. Hand-operated liquid measuring and dispensing apparatus. 195,136–7; July 1.
Sansone, Antonio, Newark, N. J. Medicine for malaria. 197,117; July 1.
Saunier, Marcian E., Bay City, Mich. Concrete insert. 195,653; July 1.
Saussier, Inc., doing business as Chez Rellew Laboratories, Bethlehem, Pa. Perfumes, compact face powders, etc. 197,172; July 1.
Schäll's Inc., Clinton, Iowa. Candy. 195,777; July 1.
Schlesinger, Maurice F., doing business as Bendiner & Schlesinger, New York, N. Y. Aromatic combination of herbs. 197,118; July 1.
Schmidt, C. Fred, doing business as Photo-Record Paper Co., Rochester, N. Y. Sensitized photographic paper. 194,624; July 1.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Chocolates. 191,842; July 1.
Selrite Products, Inc., New York, N. Y. Animated figure toys. 179,825; July 1.
Shull Candy Company Inc., Lancaster, Pa. Candy. 186,251; July 1.
Simon, Samuel, & Son, Inc., New York, N. Y. Women's textile-fabric underwear. 195,990; July 1.
Slater, C. B., Company, South Braintree, Mass. Boots and shoes. 195,915; July 1.
Smith, Alfred H., Co. Inc., New York, N. Y. Bottles of glass. 195,420; July 1.
Smith, Harry J., doing business as H. J. Smith & Company, Utica, N. Y. Louse, flea, and insect destroyer. 197,175; July 1.
Society Maid Hosiery Company, Inc., New York, N. Y. Hosiery. 196,484; July 1.
South Lake Apopka Citrus Growers Association, Oakland, Fla. Fresh citrous fruits. 193,632; July 1.
Spartan Saw Works, Springfield, Mass. Metal-cutting saws, particularly hack-saw blades. 196,771; July 1.
Special Products Laboratory, Inc., O'Fallon, Ill. Flavors and flavoring extracts. 174,114; July 1.
Standard Oil Company (New Jersey), Bayonne, N. J. Hydrocarbon detergent. 193,423; July 1.
Stanhope Chemical Laboratories Inc., Brooklyn, N. Y. Rubbing alcohol. 197,225; July 1.
Staples Grocery Company, Inc., The, Richmond, Va. Canned fruits and vegetables, breakfast cereals, coffee. 190,035; July 1.
Stassfurter Chemische Fabrik vormals Vorster & Grunneberg Aktien-Gesellschaft, Stassfurt, Germany. Metal-hardening substance. 197,122; July 1.
Sta-Strate Sales Corporation, Atlanta, Ga. Chill and fever tonic and hairdressing. 196,773; July 1.
Stein, S., & Company, New York, N. Y. Men's over coatings, women's cloaks, suits, etc. 194,575; July 1.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece. 195,310–14; July 1.
Stein, S., & Co., New York, N. Y. Woolen goods. 195,423; July 1.
Stein, S., & Co., New York, N. Y. Woolen goods. 195,425; July 1.
Stein, S., & Co., New York, N. Y. Woolen goods. 195,840–1; July 1.
Stein, S., & Co., New York, N. Y. Woolen piece goods. 196,355; July 1.
Steinau Company, The, Louisville, Ky. Advertising display signs. 193,737; July 1.
Stratford Knitting Mills. (See Mustin, J. Burton.)
Strohmeyer & Arpe Co., New York, N. Y. Tomato products. 195,549; July 1.
Sunset Paint Company, Los Angeles, Calif. Paints, enamels, varnishes, etc. 192,442; July 1.
Suomen Osuuskauppojen Keskuskunta r. l., Helsinki, Finland. Safety matches. 177,928–9; July 1.
Superior Novelty Mfg. Co., Inc., Linden, N. J. Combs. 196,141; July 1.
Swantex Products Corporation, New York, N. Y. Sanitary napkins. 179,494; July 1.
Terry Textile Corporation New York, N. Y. Waterproof sheeting. 195,663; July 1.
Terry, Walter J., Seattle, Wash. Dental supplies. 187,028; July 1.
Textile Machine Works, Wyomissing, Pa. Knitting-machine needles and points. 197 055; July 1.
Thornton, R. J., & Co., Louisville, Ky. Coffee. 195,440; July 1.
Tinolan Co. of America, Inc., The, New York, N. Y. Mothproofing chemicals. 196,838; July 1.
Turner & Seymour Manufacturing Co., The, Torrington, Conn. Can-opening machines. 196,839; July 1.
Ukemco Corporation, New York, N. Y. Talcum powder. 196,992; July 1.
Union Label Press. (See Archibald, C. R.)
United Creditors' Association, Los Angeles, Calif. Printed forms of letters and circulars. 175,280; July 1.
United Feature Syndicate, Inc., New York, N. Y. Cartoon column pictures and drawings. 196,494; July 1.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 193,740; July 1.
Universal Milk Company, The, Dover, Del. Evaporated skimmed milk. 196,358; July 1.
Vavasseur, J. H., & Company. (See Coue, Frederick H., assignor.)
Vesdal Creations, Inc., New York, N. Y. Spraying apparatus. 196,279; July 1.
Victor Buyers' Commodity Service, Inc., Boston, Mass. Weekly publication. 188,285–6; July 1.
Voss & Stern, New York, N. Y. Cotton-sateen piece goods. 185,544; July 1.

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Vulcan Crucible Steel Company, Aliquippa, Pa. Steel. 194,142; July 1.
Walliser, H. F., Company, Chicago, Ill. Decorative fabrics. 196,090; July 1.
Ward Baking Company, New York, N. Y. Bread. 195,788; July 1.
Webster, William A., Company, The, Memphis, Tenn. Dental cream. 196,779; July 1.
Wedgeworth, David S., Saucier, Miss. Tool-gripping devices for pipe sections. 196,892; July 1.
Weldona Corporation, Boston, Mass. Medicated mud for the feet. 197,123; July 1.
West Coast Porcelain Manufacturers, Millbrae, Calif. Washbowls, urinals, bathtubs, etc. 192,654; July 1.
Western Grocer Company, Marshalltown, Iowa. Canned grapes, ripe olives, dried figs, etc. 191,153; July 1.
Wheary-Burge Trunk Company, Racine, Wis. Trunks. 175,228; July 1.
Wimelbacher & Rice, New York, N. Y. Fabric and kid gloves. 196,360; July 1.
World Novelty Co., New York, N. Y. Glass beads, bag patterns, chains, etc. 189,148; July 1.
Wyandot Clay Products Company, Upper Sandusky, Ohio. Bricks. 196,097; July 1.
Wyoming Valley Bakery, The, Wilkes-Barre, Pa. Bread. 197,236; July 1.
Ye-Noh Candy Company, Pittsburgh, Pa. Candy. 195,848; July 1.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Boxes and fiber drums, Folding paper. Climax Manufacturing Company. 186,148; July 1; Serial No. 190,495; published Apr. 15, 1924.
Boxes, Pasteboard. Oneida Community, Limited. 186,140; July 1; Serial No. 189,335; published Apr. 15, 1924.
Hoops, barrels, staves, etc. Stephen Jerry & Co. 186,130; July 1; Serial No. 167,524; published Apr. 15, 1924.
Paper bags. Union Bag & Paper Corporation. 186,131–2; July 1; Serial Nos. 169,038–9; published Apr. 15, 1924.
Paper bags. Zellerbach Paper Company. 186,063–6; July 1; Serial Nos. 192,232–5; published Apr. 15, 1924.

CLASS 3.

Hat carriers and overnight bags, Combination. H. S. Forst & Co. 186,141; July 1; Serial No. 188,114; published Apr. 15, 1924.
Trunks and baggage. McKane-Lins Co. 186,134; July 1; Serial No. 182,715; published Apr. 15, 1924.

CLASS 4.

Cleaner for ivory or white enameled and hardwood furniture, pianos, etc. Safety Globe & Manufacturing Co. 186,220; July 1.
Paint cleaner. J. T. Bartley. 186,224; July 1.
Rubbing stone and rubbing-stone powder. American Rubbing Stone Company. 186,239; July 1.
Soap. Remmers Soap Company. 186,232; July 1.

CLASS 6.

Anæsthetic, Dental. G. D. Shipherd. 186,020; July 1; Serial No. 190,475; published Apr. 15, 1924.
Antifreezing compound for automobile radiators. H.-L. Products Co. of Baltimore. 186,182; July 1; Serial No. 191,432; published Apr. 22, 1924.
Antiseptic, Internal. Chlorine Products Co. 186,007; July 1; Serial No. 191,005; published Apr. 1, 1924.
Aspirin tablets, headache remedies, etc. I. J. Epstein. 186,233; July 1.
Automobile radiator solution, Nonfreezing and nonevaporating. G. J. Peck. 186,029; July 1; Serial No. 189,069; published Mar. 25, 1924.
Bath salts and toilet powder. F. R. Arnold & Co. 186,047; July 1; Serial No. 191,159; published Apr. 15, 1924.
Bleaches, face and skin lotion, peroxide of hydrogen, etc. J. H. Karp. 186,179–80; July 1; Serial Nos. 190,378–9; published Apr. 22, 1924.
Blood purifiers. W. W. Wieczorek. 186,035; July 1; Serial No. 182,082; published Apr. 1, 1924.
Boiler compounds. Fisher-Smith Mfg. Co. 186,054; July 1; Serial No. 191,611; published Apr. 15, 1924.
Chlorinated organic compounds. Halowax Corporation. 186,048; July 1; Serial No. 191,176; published Apr. 15, 1924.
Coal-tar dyestuffs. National Aniline & Chemical Company. 186,016; July 1; Serial No. 190,702; published Mar. 25, 1924.
Compound for treating the bladder and kidneys. Patton Bros. Drug Co. 186,250; July 1.
Constipation corrector. J. D. Gemmato. 185,993; July 1; Serial No. 191,956; published Apr. 8, 1924.
Cough sirup. C. A. Hurstell. 185,981; July 1; Serial No. 192,124; published Apr. 15, 1924.
Cough sirup, Laxative. V. F. Kring. 186,176; July 1; Serial No. 191,834; published Apr. 15, 1924.
Cuticle remover, nail polish. Northam Warren Corporation. 185,983; July 1; Serial No. 192,039; published Apr. 8, 1924.
Embalming supplies. J. H. De Normandie. 186,011; July 1; Serial No. 190,873; published Mar. 25, 1924.
Emulsion used in treating constipation. Nolyce Laboratories, Inc. 186,171; July 1; Serial No. 192,415; published Apr. 22, 1924.
Emulsion used in treating constipation. Nolyce Laboratories. 186,245; July 1.
Foot powder. W. D. Jenkins. 185,998; July 1; Serial No. 191,831; published Apr. 8, 1924.
Germicide and deodorant. Norman C. Hayner Company. 185,996; July 1; Serial No. 191,881; published Apr. 8, 1924.
Hair and skin preparation. Anzora Perfumery Company. 186,162; July 1; Serial No. 152,879; published Apr. 22, 1924.
Hair, Compound for the treatment of. K. Perdicakes. 186,185; July 1; Serial No. 191,338; published Apr. 22, 1924.
Hair grower. Palmomont Beauty Company. 186,177; July 1; Serial No. 191,839; published Apr. 22, 1924.
Hair pomade. M. L. Taylor. 186,031; July 1; Serial No. 186,256; published Apr. 8, 1924.
Hair shampoo and washes. R. Routh. 186,021; July 1; Serial No. 190,473; published Apr. 15, 1924.
Hair tonic. B. Hewekerl. 186,023; July 1; Serial No. 190,457; published Apr. 15, 1924.
Hair tonic. C. L. Swaim. 186,052; July 1; Serial No. 191,287; published Apr. 15, 1924.
Hair tonic and hairdressing. L. J. Rice. 185,988; July 1; Serial No. 191,981; published Apr. 8, 1924.
Insecticide. T. R. Brooks. 186,172; July 1; Serial No. 192,514; published Apr. 22, 1924.
Insecticides and fungicides. General Chemical Company. 186,017; July 1; Serial No. 190,681; published Mar. 25, 1924.
Insecticides and fungicides. Riches, Piver & Co. 185,980; July 1; Serial No. 192,149; published Apr. 15, 1924.
Insecticides and fungicides. H. J. Walrath & Sons. 186,026; July 1; Serial No. 189,826; published Mar. 25, 1924.
Laxative. Eatonic Remedy Company. 186,050; July 1; Serial No. 191,225; published Apr. 15, 1924.
Laxative drink, Carbonated. Sparklo Company. 185,987; July 1; Serial No. 191,986; published Apr. 8, 1924.
Laxative medicine preparations. E. W. Kirkham. 186,010; July 1; Serial No. 190,930; published Apr. 15, 1924.
Liquid spray to be used against flies, mosquitoes, moths, etc. Allaire, Woodward & Co. 186,030; July 1; Serial No. 188,944; published Apr. 1, 1924.
Lotion, Skin. E. A. Richmond. 186,014; July 1; Serial No. 190,742; published Apr. 8, 1924.
Lotions, face, talcum, and sachet powders, face creams, etc., Toilet. Guy T. Gibson, Incorporated. 186,128; July 1; Serial No. 183,916; published Mar. 25, 1924.
Lotions, powders, face creams, etc., Toilet. Guy T. Gibson, Incorporated. 186,033; July 1; Serial No. 183,919; published Apr. 15, 1924.
Lotions, powders, face creams, etc., Toilet. Guy T. Gibson, Incorporated. 186,034; July 1; Serial No. 183,917; published Mar. 25, 1924.
Medicinal mixtures. F. B. Sharp. 185,997; July 1; Serial No. 191,844; published Apr. 8, 1924.
Medicinal preparation for treatment of rheumatism. Chief Black Hawk, Inc. 186,194; July 1; Serial No. 179,260; published Apr. 22, 1924.
Medicine, etc., Liquid internal herb. E. Redwood. 186,018; July 1; Serial No. 190,609; published Apr. 8, 1924.
Medicine for fowls. H. L. Richardson. 186,028; July 1; Serial No. 189,521; published Apr. 15, 1924.
Medicines. Rockefeller Institute for Medical Research. 186,022; July 1; Serial No. 190,470; published Apr. 1, 1924.
Oil, Mineral. Standard Oil Company (New Jersey). 186,080; July 1; Serial No. 184,479; published Apr. 22, 1924.
Oil used in fabric treatment for degumming, etc. Scholler Brothers, Inc. 186,067; July 1; Serial No. 192,274; published Apr. 22, 1924.
Oils and softeners, Scouring and fulling. Scholler Brothers, Inc. 186,158; July 1; Serial No. 192,278; published Apr. 22, 1924.
Oils, perfumes, synthetic perfume materials, Essential. Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux. 186,046; July 1; Serial No. 190,961; published Apr. 22, 1924.

Ointment. P. P. Deken. 186,061; July 1; Serial No. 192,172; published Apr. 22, 1924.
Ointment and liver and bowel tablets, Pile. W. R. Darlington. 186,024; July 1; Serial No. 190,447; published Apr. 1, 1924.
Perfume and toilet water. R. H. Macy & Co. 185,979; July 1; Serial No. 192,187; published Apr. 15, 1924.
Perfume extracts, toilet water, face lotions, etc. M. Babani. 186,003; July 1; Serial No. 191,520; published Apr. 1, 1924.
Perfume extracts, toilet water, face lotions, etc. M. Babani. 186,004; July 1; Serial No. 191,518; published Apr. 1, 1924.
Perfume, toilet water, face and talcum powder, rouge, etc. B. Arvoy, née Reneaux. 186,005; July 1; Serial No. 191,139; published Apr. 1, 1924.
Perfume, toilet water, powders, cold cream, etc. Houbigant, Inc. 186,002; July 1; Serial No. 191,542; published Apr. 1, 1924.
Pharmaceutical products. Chemische Fabrik vormals Sandoz. 186,196; July 1; Serial No. 189,298; published Apr. 22, 1924.
Pharmaceutical products. Société Chimique des Usines du Rhone. 185,964–8; July 1; Serial Nos. 185,050–4; published Apr. 15, 1924.
Pharmaceutical products. Société Chimique des Usines du Rhone. 185,964–8; July 1; Serial Nos. 185,050–4; lished Apr. 15, 1924.
Pharmaceutical products and preparations. R. Kronstein. 186,195; July 1; Serial No. 182,345; published Apr. 22, 1924.
Pills, Liver. Dr. Kilmer & Co. 186,186; July 1; Serial No. 192,127; published Apr. 22, 1924.
Powder, Face. Remiller Co. 185,990; July 1; Serial No. 191,979; published Mar. 25, 1924.
Powder, rouge, lip stick, Compact. Oakley & Co. 186,187; July 1; Serial No. 192,032; published Apr. 22, 1924.
Powder, Toilet. Caron Corporation. 186,012; July 1; Serial No. 190,767; published Mar. 25, 1924.
Powder, Toilet. Comfort Powder Co. 186,181; July 1; Serial No. 192,010; published Apr. 22, 1924.
Powders and creams, rouges, etc., Face. H. Kaye. 186,169–70; July 1; Serial Nos. 192,394–5; published Apr. 22, 1924.
Powders, ointments, etc., for bilious and liver complaints, and infections. Pharmazeutische Industrie, A. G. 186,081; July 1; Serial No. 183,886; published Apr. 15, 1924.
Preparation for inflammation, congestion, etc. I. R. Weinstock. 185,991; July 1; Serial No. 191,653; published Apr. 8, 1924.
Preparation for removing dandruff and stimulating the growth of the hair, etc. S. M. Baltzly. 185,986; July 1; Serial No. 192,002; published Apr. 8, 1924.
Preparation for the treatment of eczema and scabies. B. Kaiser. 185,978; July 1; Serial No. 181,528; published Mar. 11, 1924.
Preparation for the treatment of gonorrhea and as a general germicide, Silver, Seeck & Kade, Inc. 185,982; July 1; Serial No. 192,094; published Apr. 8, 1924.
Preparation for the treatment of hay fever, nasal catarrh, etc. F. C. Purdy. 185,992; July 1; Serial No. 191,977; published Apr. 8, 1924.
Preparation for the treatment of infant bowel disorders. First Texas Chemical Manufacturing Company. 185,989; July 1; Serial No. 191,690; published Apr. 8, 1924.
Preparation for the treatment of rheumatism, burns, etc. F. Artis. 185,994; July 1; Serial No. 191,934; published Apr. 8, 1924.
Preparation for the treatment of textile fabrics. Scholler Brothers, Inc. 186,068; July 1; Serial No. 192,276; published Apr. 22, 1924.
Preparation for use in treating textile fabrics. Scholler Brothers, Inc. 186,160; July 1; Serial No. 192,280; published Apr. 22, 1924.
Preparations for the hair, pyorrhea, and foot ailments. A. Berkowitz. 186,000; July 1; Serial No. 191,811; published Apr. 8, 1924.
Preparations for the treatment of rheumatism, etc. Smith Family, Limited. 186,001; July 1; Serial No. 191,721; published Apr. 15, 1924.
Remedy for acute urethritis. Chlorine Products Co. 186,006; July 1; Serial No. 191,006; published Apr. 1, 1924.
Remedy for headache and neuralgia. W. B. Jaques Drug Company. 185,995; July 1; Serial No. 191,885; published Apr. 8, 1924.
Remedy, Hay-fever. B. Turner. 186,019; July 1; Serial No. 190,523; published Apr. 15, 1924.
Remedy, Pile. J. W. Milstead. 186,062; July 1; Serial No. 192,210; published Apr. 22, 1924.
Salve. Holstein & Holstein. 186,127; July 1; Serial No. 192,531; published Apr. 22, 1924.
Salve for eczema, barbers' itch, boils, etc. J. R. Straight. 186,015; July 1; Serial No. 190,711; published Apr. 1, 1924.
Scalp preparation. E. I. Thomas. 186,009; July 1; Serial No. 190,946; published Apr. 8, 1924.
Shampoo powder. R. K. Babcock. 186,032; July 1; Serial No. 185,071; published Apr. 8, 1924.
Softener, intensifier, and finish in treating textile fabrics. Scholler Brothers, Inc. 186,157; July 1; Serial No. 192,277; published Apr. 22, 1924.
Softeners. Scholler Brothers, Inc. 186,159; July 1; Serial No. 192,279; published Apr. 22, 1924.
Stain remover and nap raiser for fabrics. P. Horowitz. 186,027; July 1; Serial No. 189,565; published Apr. 15, 1924.
Sulphur. Pep Chemical Co. 186,161; July 1; Serial No. 191,281; published Apr. 22, 1924.
Suppositories. Lauber & Lauber Co. 185,985; July 1; Serial No. 192,024; published Apr. 8, 1924.
Surgical dressing, Antiseptic. Chlorine Products Co. 186,008; July 1; Serial No. 191,004; published Apr. 1, 1924.
Tanning of hides, Chemicals for. Rohm & Haas Co. 186,025; July 1; Serial No. 190,271; published Apr. 8, 1924.
Tonic, General. Soc. An. Fsco. Cinzano & Cia. 185,963; July 1; Serial No. 185,879; published Apr. 8, 1924.
Tonic, Stock. M. E. Rogers. 186,197; July 1; Serial No. 190,270; published Apr. 22, 1924.
Tooth paste. Iodent Chemical Company. 186,053; July 1; Serial No. 191,320; published Apr. 15, 1924.
Tooth paste. Jack & Jill Health Products, Inc. 185,984; July 1; Serial No. 191,708; published Apr. 8, 1924.
Tooth paste. M. Schlesinger. 186,013; July 1; Serial No. 190,745; published Mar. 25, 1924.
Tooth paste and powders and sachets. Richard Hudnut. 185,999; July 1; Serial No. 191,829; published Apr. 8, 1924.

CLASS 7.

Cord, twine, and hale rope. Tube. Morice Jute Mills. 186,237; July 1.
Twine and manila rope, Binder. R. Hood Haggie & Son. 186,096; July 1; Serial No. 191,435; published Apr. 15, 1924.
Twine, Cotton. Mt. Vernon-Woodberry Mills, Inc. 186,103; July 1; Serial No. 181,143; published Apr. 22, 1924.
Twine, Cotton. Mount Vernon-Woodberry Mills, Inc. 186,104; July 1; Serial No. 181,142; published Apr. 15, 1924.

CLASS 8.

Cigar and cigarette holders. Durable Devices Mfg. Co. 186,235; July 1.

CLASS 10.

Fertilizer. Swift and Company. 186,125; July 1; Serial No. 192,650; published Apr. 22, 1924.
Manure, Pulverized animal. Pacific Manure & Fertilizer Co. 185,953; July 1; Serial No. 188,924; published Apr. 22, 1924.

CLASS 12.

Building materials. New England Lime Company. 186,137; July 1; Serial No. 183,986; published Apr. 22, 1924.
Cement, Portland. Peninsular Portland Cement Company. 186,060; July 1; Serial No. 192,034; published Apr. 22, 1924.
Plasters, Calcined-gypsum wall. Samson Plaster Board Company. 186,147; July 1; Serial No. 191,347; published Apr. 22, 1924.
Shingles. Excel Shingle Company. 186,146; July 1; Serial No. 191,535; published Apr. 22, 1924.
Skylights. A. Pekkala. 186,184; July 1; Serial No. 192,219; published Apr. 22, 1924.

CLASS 13.

Casters and caster centering and retaining devices. Swivel. J. B. Ladd. 186,087; July 1; Serial No. 173,603; published Apr. 15, 1924.
Door handles, keyhole and finger plates, etc. Rowan & Boden, Limited. 185,960; July 1; Serial No. 188,135; published Apr. 15, 1924.
Nails, Furniture. Berbecker & Rowland Mfg. Co. 186,117; July 1; Serial No. 193,209; published Apr. 22, 1924.
Nipples, Pipe. Reading Iron Company. 186,126; July 1; Serial No. 192,643; published Apr. 15, 1924.
Pipe and fittings for same, Soil. Abendroth Brothers. 185,952; July 1; Serial No. 189,345; published Apr. 22, 1924.
Tire chains and tire cross chains. Columbus McKinnon Chain Company. 186,045; July 1; Serial No. 190,831; published Apr. 22, 1924.
Traps, strainers, and parts thereof and fittings. Sarco Company. 186,041; July 1; Serial No. 190,360; published Apr. 15, 1924.

CLASS 14.

Metals and nonferrous-metal castings and forgings, Nonferrous. William Cramp & Sons Ship & Engine Building Co. 186,242; July 1.

CLASS 15.

Greases and lubricants for motor vehicles, Transmission. Chatterstop Lubricating Company. 186,211; July 1.

CLASS 16.

Oil and floor polish, Cleaning. Scotch Oil Company. 186,208; July 1.
Paint, concrete paint, and paint colors, House. Phelan-Faust Paint Manufacturing Company. 186,209; July 1.

CLASS 17.

Cigarettes. Ardath Tobacco Company. 186,091; July 1; Serial No. 171,977; published Apr. 22, 1924.
Cigars. J. Limbert. 186,121; July 1; Serial No. 193,055; published Apr. 22, 1924.
Cigars. H. N. Musser. 186,042; July 1; Serial No. 190,701; published Apr. 22, 1924.
Cigars. B. Simpson. 186,036; July 1; Serial No. 189,696; published Apr. 22, 1924.

CLASS 19.

Bumpers and shock absorbers. Bullard Machine Tool Co. 186,213; July 1.

CLASS 22.

Dolls. Jeanette Doll Co. 186,118; July 1; Serial No. 193,176; published Apr. 22, 1924.
Dolls. New York Merchandise Company. 185,974; July 1; Serial No. 193,533; published Apr. 22, 1924.
Game, Card. H. Mounig. 186,152; July 1; Serial No. 192,140; published Apr. 22, 1924.
Game, Table. J. S. Young. 186,090; July 1; Serial No. 172,812; published Mar. 13, 1923.
Toboggans, Water. Catron & Sherman. 186,253; July 1.
Toys, Mechanical animal. Animate Toy Company. 186,174; July 1; Serial No. 191,867; published Apr. 22, 1924.
Toys, Sound devices for. Art Metal Works, Inc. 186,115; July 1; Serial No. 193,317; published Apr. 22, 1924.

CLASS 23.

Acid concentrators, acid and phenol stills, etc. Buffalo Foundry & Machine Co. 185,959; July 1; Serial No. 188,293; published Apr. 22, 1924.
Bearings. L. C. Smith Bearings Co. 186,038; July 1; Serial No. 189,921; published Apr. 22, 1924.
Bearings. L. C. Smith Bearings Co. 186,149; July 1; Serial No. 191,916; published Apr. 22, 1924.
Bits and augers. Irwin Auger Bit Company. 186,165–8; July 1; Serial Nos. 192,390–3; published Apr. 22, 1924.
Cigarette machinery and parts thereof. Ebco Machine Corporation. 186,056; July 1; Serial No. 191,762; published Apr. 22, 1924.
Corrugating and crimping machines, power squaring and gap shears, etc. Streine Tool & Manufacturing Company. 186,178; July 1; Serial No. 191,798; published Apr. 22, 1924.
Dust and liquid spraying machines. T. R. Browne. 186,241; July 1.
Engines, Internal-combustion. Sterling Engine Co. 185,956–8; July 1; Serial Nos. 188,335–7; published Apr. 15, 1924.
Engines, Internal-combustion. Sterling Engine Co. 185,977; July 1; Serial No. 188,334; published Apr. 15, 1924.
Engines, Vaporizing apparatus for internal-combustion. Holley Carburetor Company. 186,049; July 1; Serial No. 191,019; published Apr. 22, 1924.
Fans, Centrifugal. Garden City Fan Company. 186,228; July 1.
Files and rasps. G. & H. Barnett Company. 186,114; July 1; Serial No. 193,319; published Apr. 22, 1924.
Gears and differentials and parts thereof. New Process Gear Corporation. 185,973; July 1; Serial No. 192,443; published Apr. 22, 1924.
Latch needles. C. A. Williams. 185,976; July 1; Serial No. 188,354; published Apr. 22, 1924.
Lathes. Boye & Emmes Machine Tool Co. 186,251; July 1.
Molds and dies. S. Sachs. 186,226; July 1.
Plow and lister shares, cultivator shovels, etc. Star Manufacturing Company. 185,954; July 1; Serial No. 188,869; published Apr. 15, 1924.
Printing presses, Ink-fountain spacers for. R. R. Page. 186,236; July 1.
Pulleys or blocks. Boston & Lockport Block Company. 186,092; July 1; Serial No. 171,303; published Apr. 15, 1924.
Shafts and outfits for pattern makers, dieslinkers, and welders, Flexible. Hergi Manufacturing Company. 186,120; July 1; Serial No. 193,109; published Apr. 22, 1924.
Shovels and spades. Skelton Shovel Company. 185,955; July 1; Serial No. 188,614; published Apr. 15, 1924.
Shovels and spades. Skelton Shovel Company. 185,969; July 1; Serial No. 188,613; published Apr. 15, 1924.
Shovels, spades, scoops, etc. Baldwin Tool Works. 186,094; July 1; Serial No. 166,637; published Apr. 22, 1924.
Socket-wrench sets. New Britain Machine Co. 185,962; July 1; Serial No. 186,753; published Apr. 15, 1924.
Spark-plug-cleaning stool. O. Frischknecht. 186,116; July 1; Serial No. 193,280; published Apr. 22, 1924.
Spiral fluted taps, tapper taps, and stay-bolt taps. Wells Corporation. 186,217–8; July 1.
Valve-in-head attachments. Rajo Motor Company. 186,083; July 1; Serial No. 181,615; published Apr. 22, 1924.

CLASS 26.

Air-speed indicators, pressure gauges, etc. Pioneer Instrument Company. 186,240; July 1.

Measuring devices, Gasoline. Reiter-King-Dugan Company. 186,175; July 1; Serial No. 191,840; published Apr. 22, 1924.
Milk and other liquids, Apparatus for making tests of. H. F. Lichtenberg. 186,151; July 1; Serial No. 192,128; published Apr. 22, 1924.
Picture films, Motion-. Monogram Pictures Corporation. 186,119; July 1; Serial No. 193,114; published Apr. 22, 1924.
Taximeters. American Taximeter Company. 186,111–12; July 1; Serial Nos. 193,374–5; published Apr. 22, 1924.
Ticket delivering and registering machines. Rollfle Limited. 186,039; July 1; Serial No. 190,129; published Apr. 22, 1924.

CLASS 29.

Brushes and barbers' dusters. Heldtite Brush Co. 185,970; July 1; Serial No. 162,548; published Apr. 22, 1924.

CLASS 34.

Boilers and hot-water-storage tanks, Range. Riverside Boiler Works, Inc. 186,156; July 1; Serial No. 192,271; published Apr. 22, 1924.
Boilers and hot-water-storage tanks, Range. Riverside Boiler Works, Inc. 186,183; July 1; Serial No. 192,270; published Apr. 22, 1924.
Heating and ventilating apparatus. Tuttle & Bailey Manufacturing Company. 186,190; July 1; Serial No. 168,439; published Apr. 22, 1924.
Ranges, Coal and gas. Abendroth Brothers. 186,212; July 1.
Water heaters, Automatic storage gas. General Water Heater Corporation. 186,154–5; July 1; Serial No. 192,373–4; published Apr. 22, 1924.

CLASS 35.

Hose. B. F. Goodrich Company. 186,203; July 1.
Inner tubes and tires. Golden Eagle Buggy Company. 186,200; July 1.
Piston rings. Continental Piston Ring Co. 186,214; July 1.
Rubber goods, Mechanical. Revere Rubber Co. 25,489–90; renewed Nov. 13, 1924.
Washers, leathers, etc. L. J. Barwood. 186,198; July 1.

CLASS 37.

Crayons, crayon holders, pencils, etc. Societe Anonyme "Crayons Conte." 186,223; July 1.
Envelopes. Church-Budget Envelope Company. 186,069; July 1; Serial No. 192,402; published Apr. 15, 1924.
Paper and envelopes, Toilet. Schwabacher Bros. & Co. 186,144; July 1; Serial No. 187,351; published Apr. 22, 1924.
Paper and envelopes, Writing. E. Himmelfarbe. 186,222; July 1.
Paper, Bond. Johnston-Albershart Co. 186,142; July 1; Serial No. 187,741; published Jan. 8, 1924.
Paper for use in the manufacture of blank books. S. E. & M. Vernon Inc. 186,216; July 1.
Paper, pound goods, and envelopes, Writing. Eaton, Crane & Pike Company. 186,219; July 1.
Paper, Toilet. Schwabacher Bros. & Co. 186,143; July 1; Serial No. 187,352; published Apr. 22, 1924.
Paper, Writing. E. E. Lloyd Paper Company. 186,072–3; July 1; Serial Nos. 192,776–7; published Apr. 15, 1924.
Paper, Writing and printing. Caskie-Dillard Company. 186,221; July 1.
Pens, Fountain. G. Zain. 186,078; July 1; Serial No. 193,561; published Apr. 22, 1924.

CLASS 38.

Booklet. National Licorice Company. 186,099; July 1; Serial No. 190,264; published Apr. 8, 1924.
Booklets and folders. Goodyear Tire & Rubber Company. 186,110; July 1; Serial No. 138,946; published Mar. 7, 1922.
Books, pamphlets, newspapers, etc. Colliery Engineer Co. 25,438; renewed Nov. 6, 1924.
Coupons, Cash. Cash Coupon Co. 186,100; July 1; Serial No. 190,090; published Apr. 8, 1924.
Lithographs. Niagara Lithograph Co. 186,107; July 1; Serial No. 168,484; published Nov. 27, 1923.
Magazine. Wm. Filene's Sons Company. 186,098; July 1; Serial No. 190,452; published Apr. 1, 1924.
Newspaper articles. Call Publishing Co. 186,101; July 1; Serial No. 182,701; published Apr. 8, 1924.
Periodical. Rotary Club of New York. 186,102; July 1; Serial No. 182,440; published Apr. 1, 1924.
Publications. H. L. Alford. 186,095; July 1; Serial No. 192,350; published Apr. 8, 1924.
Publications, Motor-Fax. 186,109; July 1; Serial No. 185,716; published Apr. 8, 1924.
Publications. S. D. Robbins. 186,097; July 1; Serial No. 191,405; published Apr. 8, 1924.
Publications. W. Rosengarten. 186,106; July 1; Serial No. 170,837; published Apr. 8, 1924.
Song and story leaflets or booklets. Tullar-Meredith Co. 186,108; July 1; Serial No. 189,871; published Apr. 1, 1924.

CLASS 39.

Apparel, Wearing. Marinette Knitting Mills. 186,210; July 1.

Apparel, Wearing. Marinette Knitting Mills. 186,246–9; July 1.
Fur wraps, coats, etc. F. V.-Ekholm. 186,252; July 1.

CLASS 40.

Buttons, shirt belting, etc. Detmer, Bruner & Mason, Inc. 186,215; July 1.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 186,199; July 1.
Silk, artificial-silk, cotton, linen, and woolen piece goods. Haas Brothers Fabrics Corporation. 186,192; July 1; Serial No. 174,606; published Mar. 6, 1923.
Silk piece goods. Zollinger & Schroth, Inc. 186,229; July 1.

CLASS 43.

Thread and yarn. Linen Thread Co. 186,044; July 1; Serial No. 190,733; published Apr. 15, 1924.

CLASS 44.

Extension, suspension frame (Balkan frame), and splint, Buck's. J. R. Siebrandt. 186,227; July 1.

CLASS 45.

Beverage sold as a soft drink and sirup for making same. D. E. Honeycutt. 186,055; July 1; Serial No. 191,706; published Apr. 22, 1924.
Beverages sold as soft drinks. Drinklite Co. 186,043; July 1; Serial No. 190,712; published Apr. 22, 1924.
Beverages sold as soft drinks. Mt. Hood Soda Water Works. 186,122; July 1; Serial No. 192,849; published Apr. 22, 1924.
Beverages sold as soft drinks and sirups for making same. F. Latka. 186,086; July 1; Serial No. 179,047; published Apr. 22, 1924.
Sirups for beverages. Giroux Company. 186,207; July 1.

CLASS 46.

Bacon, hams, sausage, etc., Smoked. W. P. Eaton Packing Company. 186,129; July 1; Serial No. 149,742; published Apr. 22, 1924.
Beans in bulk. Adolph Goldmark & Sons, Corp. 186,231; July 1.
Bread, cake, candy, etc. Cushman's Sons. 186,202; July 1.
Candy. G. W. Chase and Son Mercantile Co. 186,193; July 1; Serial No. 176,787; published May 29, 1923.
Candy. Crest Candy Company. 186,070; July 1; Serial No. 192,605; published Apr. 22, 1924.
Candy. F. M. Hoyt. 186,139; July 1; Serial No. 190,253; published Apr. 22, 1924.
Candy. Mayanlake Candy Company. 186,138; July 1; Serial No. 183,634; published Apr. 22, 1924.
Candy. Pacific Coast Biscuit Company. 186,188; July 1; Serial No. 158,795; published Nov. 28, 1922.
Candy bar, Chocolate. A. B. Mewhinney Co. 186,191; July 1; Serial No. 168,481; published July 3, 1923.
Candy, Chocolate. Hoefler Centroical Chocolates, Inc. 186,076; July 1; Serial No. 192,975; published Apr. 22, 1924.
Canned peas. Bozeman Canning Co. 186,234; July 1.
Canned tomatoes. Utah Canning Company. 186,074; July 1; Serial No. 192,869; published Apr. 22, 1924.
Canned tunny fish. Southern California Fish Corporation. 186,244; July 1.
Chocolate and candy. J. G. McDonald Chocolate Company. 186,254; July 1.
Cocoa, powdered chocolate and cocoa, Powdered. Royal Cocoa Co. 185,972; July 1; Serial No. 136,388; published Nov. 27, 1923.
Coconut, Prepared toasted. Franklin Baker Company. 186,136; July 1; Serial No. 172,151; published Apr. 22, 1924.
Coffee. Dwinell-Wright Company. 186,059; July 1; Serial No. 191,823; published Apr. 22, 1924.
Coffee. Fisher Coffee Co. 186,071; July 1; Serial No. 192,681; published Apr. 22, 1924.
Coffee. Jas. H. Forbes Tea & Coffee Co. 186,238; July 1.
Coffee, tea, cocoa, spice, etc. Allen-Rethemeyer Co. 186,089; July 1; Serial No. 173,386; published Apr. 22, 1924.
Corn, beans, peas, etc., Fresh and canned. O. Williams. 186,084; July 1; Serial No. 180,820; published Apr. 15, 1924.
Dates. Tropical Date Company. 186,133; July 1; Serial No. 171,559; published Apr. 22, 1924.
Eggs. Willmer & Mulman. 186,105; July 1; Serial No. 173,220; published May 1, 1923.
Feed, Meat and bone scrap poultry. American Agricultural Chemical Company. 185,975; July 1; Serial No. 193,491; published Apr. 22, 1924.
Feeds for chickens, pigeons, etc. Universal Mills. 186,225; July 1.
Flavoring and coloring sauce for soups, etc. H. F. Hansen. 186,164; July 1; Serial No. 192,252; published Apr. 15, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 186,123; July 1; Serial No. 192,719; published Apr. 22, 1924.
Fruit pectin, Concentrated. Hood River Apple Vinegar Co. 186,243; July 1.
Fruits, Citrous. Dr. P. Phillips Company. 186,204–6; July 1.
Fruits, Fresh citrous. Glendora Mutual Orange Association. 186,075; July 1; Serial No. 192,910; published Apr. 22, 1924.
Gelatin dessert. Robb-Ross Company. 186,082; July 1; Serial No. 183,409; published Apr. 15, 1924.
Gum, Chewing. C. A. Birch-Field. 186,145; July 1; Serial No. 184,635; published Apr. 22, 1924.
Ice cream. Reid Ice Cream Company. 186,189; July 1; Serial No. 159,179; published Aug. 1, 1922.
Ice cream and ices, Powder used in the manufacture of. C. L. Beeler. 186,124; July 1; Serial No. 192,660; published Apr. 15, 1924.
Ice-cream confection, Chocolate-covered. F. Deutschmann. 186,057; July 1; Serial No. 191,605; published Apr. 22, 1924.
Icing. Kellogg-Birge Company. 186,250; July 1.
Lard and cooking oil, Artificial. Société de Stéarinerie et Savonnerie de Lyon. 186,085; July 1; Serial No. 180,196; published Apr. 15, 1924.
Lozenges, Mint. T. J. Dean. 186,077; July 1; Serial No. 193,159; published Apr. 22, 1924.
Malt extract for use in bread making. Cereal Products Refining Corporation. 186,235; July 1.
Milk and cream, cheese, cottage cheese, etc., Fresh. Lyndonville Creamery Association. 186,037; July 1; Serial No. 189,905; published Apr. 15, 1924.
Milk, malted-milk chocolate and toffee, etc., Malted. Thew Hooker & Gilbey, Ltd. 185,961; July 1; Serial No. 187,650; published Apr. 15, 1924.
Oats and wheat flour, Rolled. Quaker Oats Company. 186,088; July 1; Serial No. 173,531; published Nov. 6, 1923.
Peanuts, Salted. F. N. Varney. 186,058; July 1; Serial No. 191,796; published Apr. 22, 1924.
Pop corn, Candied. H. W. Eakins. 186,135; July 1; Serial No. 173,350; published Apr. 22, 1924.
Pretzels. Pennsylvania Baking Company. 186,113; July 1; Serial No. 193,353; published Apr. 22, 1924.
Salad dressing, Thousand Island dressing, honey, etc. M. Nalley. 186,201; July 1.
Spices, coffee, and tea. Woolson Spice Company. 185,971; July 1; Serial No. 160,522; published Apr. 22, 1924.
Spices, peanut butter, honey, etc. Hulman & Co. 186,093; July 1; Serial No. 170,819; published Sept. 18, 1923.
Yeast. Liberty Yeast Corporation. 186,051; July 1; Serial No. 191,273; published Apr. 15, 1924.

CLASS 50.

Garment hangers. N. J. Marks. 186,153; July 1; Serial No. 192,712; published Apr. 22, 1924.
Incubators. W. J. Schenkel. 186,163; July 1; Serial No. 192,226; published Apr. 22, 1924.
Stepladders. Landis & Co. 186,150; July 1; Serial No. 192,023; published Apr. 22, 1924.
Tents. Denver Tent & Awning Company. 186,173; July 1; Serial No. 192,481; published Apr. 22, 1924.
Waterproof sheeting. I. B. Kleinert Rubber Company. 186,040; July 1; Serial No. 190,197; published Apr. 22, 1924.

ALPHABETICAL LIST OF LABELS.

Aluminum Ware Quick Cook Oats. For Rolled Oats. Northern Illinois Cereal Company. 27,523; July 1.
Ariana. For Citrous Fruits. Auburndale Citrus Growers Association. 27,511; July 1.
Blue Star. For Chewing Gum. Bluine Manufacturing Company. 27,512; July 1.
Bob's Pe-Kons. For Candy. Bob's Candy Co. 27,513; July 1.
Colonial Style. For Canned Pork and Beans. The Goddard Grocer Company. 27,519; July 1.
Columbia Crest Brittle. For Candy Boxes. Rainer National Park Company. 27,524; July 1.
Cottage Creamery Eggs. For Eggs. Menasha Printing and Carton Company. 27,521; July 1.
Crossan's R. S. C. For a Medicinal Preparation for Rheumatism, Stomach Trouble, Catarrh, Cough, and Cold. G. W. Crossan. 27,515; July 1.
Jack's Pork Rind Minnow. For Fishing Bait. J. R. Cunningham. 27,516; July 1.
Lyman's Famous Wolf Brand Chili Made of Choice Beef. For Chili of Beef. L. T. Davis. 27,517; July 1.
Morning Sip. For Roasted Coffee. Alex. Sheppard and Sons, Inc. 27,525; July 1.

Nip-O-Tea. For Teas. Nip-O-Products Co. 27,522; July 1.
Purity. For Coffee. Frey-Weaver Co. 27,518; July 1.
Pyorrhea Remedy. For a Liquid for a Mouth Wash. H. G. Martin. 27,520; July 1.
Sormaco. For Coffee. Sorver, McEvoy & Co. 27,526; July 1.
Southland. For Fresh Tomatoes. Cherokee County Farm Labor Union. 27,514; July 1.
Sunshine Potato Chips. For Containers for Potato Chips. Sunshine Potato Chip Co. 27,527; July 1.
Townsend Special. For Cucumbers. E. W. Townsend. 27,528; July 1.

ALPHABETICAL LIST OF PRINTS.

German National Farm Weeklies. For Publications. The North American Press. 7,457; July 1.
Healthful—Dependable—Economical. For Flour. Soft Wheat Millers' Association. 7,461; July 1.
It's Ripe Tobacco. For Cigars. Bayuk Cigars Incorporated. 7,454; July 1.
Lloyd Loom Products. For Baby Carriages and Furniture. Heywood-Wakefield Company. 7,456; July 1.
Ornamental Iron & Steel Construction. For Fabricated Iron and Steel for Building Purposes. C. E. Halback & Co. 7,455; July 1.
Sabin Tank-in-Basement Hot Water Heating System. For a Hot-Water Heating System. Edward R. Sabin Company. 7,459; July 1.
The secret of slimness revealed. For a Weight-Reducing Bath Preparation. The San-I-Sal Laboratories, Inc. 7,460; July 1.
Twin Chapters Silk Lamp Shades. For Lamp Shades. American Art Needle Works. 7,453; July 1.
Unguentine—for Sunburn. For a Medicinal Preparation for the Relief of Burns and Sunburn and Other Skin Irritations. The Norwich Pharmacal Co. 7,458; July 1.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Brooms and brushes, Fibers for. F. H. Cone. 195,216–17; July 1.
Brooms and brushes, Fibers for. F. H. Cone. 195,219; July 1.
Coal. Big Vein Anthracite Collieries. 195,329; July 1.

CLASS 2.

Bags, Burlap. M. M. Bosworth. 194,252; July 1.
Cans, tanks, pails, etc. Oakes & Burger Co. 193,305; July 1.
Paper containers or cups. C. N. Bergmann. 195,629; July 1.

CLASS 3.

Harness and horse collars. Des Moines Saddlery Company. 195,502; July 1.
Trunks. Wheary-Burge Trunk Company. 175,228; July 1.

CLASS 4.

Cleaning fluid, shoe polishes, etc. Griffin Manufacturing Co. 192,378; July 1.
Detergent, Hydrocarbon. Standard Oil Company (New Jersey). 193,423; July 1.
Polish. Associated Products Company. 195,255; July 1.
Shoe dressing, auto top and carriage dressing. H. Nevins. 193,946; July 1.
Soap and soap products. Bonded Products Corporation. 196,571; July 1.
Soap, Toilet. F. R. Arnold & Co. 191,158; July 1.
Washing compound. E. J. Belanger. 196,228; July 1.

CLASS 6.

Alcohol, Rubbing. Stanhope Chemical Laboratories Inc. 197,225; July 1.
Antiseptic powders. Mrs. F. C. Dunn. 196,698; July 1.
Antiseptic solution. A. W. Fingl. 196,859; July 1.
Capsule or tablet for colds and grippe. A. W. Fingl. 196,860; July 1.
Chemical preparation for treatment of colds, etc. A. C. Heath. 197,201; July 1.
Chill and fever tonic and hairdressing. Sta-Strate Sales Corporation. 196,773; July 1.
Cream, face powder, rouges, and perfumes, Cold. R. D. Lorraine. 195,703; July 1.
Creams, skin beautifier, and facial pack, Cleansing. L. E. Leonard. 195,893; July 1.
Dental cream. William A. Webster Company. 196,779; July 1.
Deodorant and antiseptic tonic for the feet. Lyon & Lyon. 195,453; July 1.
Dyes. Fairy Dyes, Ltd. 192,176; July 1.
Dyestuffs. American Celulose & Chemical Manufacturing Company Limited. 195,564; July 1.
Dyestuffs, Intermediates, and accelerators for rubber vulcanization. Grasselli Chemical Company. 196,865; July 1.
Embalming fluid. Oakley Laboratories, Incorporated. 196,753; July 1.
Germicides, fungicides, fumigants, etc. Central Chemical Company. 197,253; July 1.
Hair dressing. Estee Laboratories Company. 197,019; July 1.
Hair grower. R. Knox. 195,402; July 1.
Hair tonic, nail polish, face powders, etc., Quinine. C. E. Coleman. 195,738; July 1.
Herbs, Aromatic combination of. M. F. Schlesinger. 197,118; July 1.
Ink eradicator. Ink-Out Mfg. Co. 197,029; July 1.
Insect-destroying preparations. F. S. J. Broome. 195,800; July 1.
Laxative tea. A. W. Fingl. 196,857; July 1.
Liniment and blood sirup. D. K. Cox. 197,192; July 1.
Lotion, Skin-beautifying. N. Montiel. 196,963; July 1.
Louse, flea, and insect destroyer. H. J. Smith. 197,175; July 1.
Medicated mud. Weldona Corporation. 197,123; July 1.
Medicinal compound. Hille Laboratories. 193,285; July 1.
Medicinal powder. Peet Stock Remedy Company. 196,673; July 1.
Medicinal preparation. Cathcart and Cathcart Inc. 197,186; July 1.
Medicinal preparation for pertussis. American Pharmacal Company. 196,948; July 1.
Medicinal preparation for stomach disorders and kindred ailments. Herman's Pharmaceutical Laboratories. 194,539; July 1.
Medicinal preparation for tuberculosis and all lung affections. A. J. Polansky. 195,185; July 1.
Medicinal preparations. Plough Chemical Co. 186,155; July 1.
Medicine for indigestion, constipation, headaches, etc. E. Capeci. 196,951; July 1.
Medicine for malaria. A. Santone. 197,117; July 1.
Medicine for pyorrhea. N. M. Dunman. 192,013; July 1.
Metal-hardening substances. Stassfurter Chemische Fabrik vormals Vorster & Grunneberg Aktien-Gesellschaft. 197,122; July 1.
Mothproofing chemicals. Tinolan Co. of America, Inc. 196,838; July 1.
Mustard-plaster rub. O. G. Chemical Company. 196,754; July 1.
Oils, greases, and gums. Arabol M'f'g Co. 189,028; July 1.
Ointment. A. J. Branstad. 194,781; July 1.
Ointment for eczema and kindred skin troubles. E. Capeci. 196,952; July 1.
Pastes, powders, oils, etc. C. F. O. Müller. 197,105; July 1.
Perfumery, hair tonics and dressings, shampoo preparations, etc. P. Moreschi. 196,923; July 1.
Perfumes, compact face powder, etc. Saussier, Inc. 197,172; July 1.
Perfumes, rouges, face lotions, etc. A. Hol[illegible] 197,027; July 1.
Photography. Etablissements Poulenc Frères (Société Anonyme). 197,021; July 1.
Powder, Talcum. Maury-Cole Company. 197,161; July 1.
Powder, Talcum. Ukemco Corporation. 196,992; July 1.
Powdered mixture used as a cathartic. J. E. Gross. 188,630; July 1.
Powders, rouges, face creams, and lotions, Toilet. Cara-Mia, Inc. 197,252; July 1.
Preparation for colds, etc. J. Filipowicz & Co. 197,141; July 1.
Preparation for corns, calli, and warts. W. F. Keeler. 195,580; July 1.
Preparation for indigestion, rheumatism, etc., Liquid. B. Barker. 196,999; July 1.
Preparation for leucorrhea, etc. Prebol Drug Company. 197,168; July 1.

Preparation for use in automobile radiators. R. F. Bonvillain. 180,786; July 1.
Preparation used to color sausage casings, Chemical. B. Heller & Company. 195,744; July 1.
Radiator compound. Conklin's Products Inc. 197,063; July 1.
Remedy for poison ivy, etc. L. Benz. 197,247; July 1.
Salt, baking powder, and cream of tartar. Gordon, Sewall & Co. 196,862; July 1.
Salve, Healing. F. Koeppen. 195,404; July 1.
Solution for intravenous therapy. Morgenstern & Company. 195,531; July 1.
Starch, Corn Products Refining Company. 195,335; July 1.
Starch, Laundry. Corn Products Refining Company. 181,940; July 1.
Toilet water, vegetal, bath salts, etc. Cheramy, Inc. 196,908; July 1.
Tonic. Fhairmount Laboratories. 197,166; July 1.
Vanishing cream, face bleach, hair grower, etc. Clark Manufacturing Company. 196,953; July 1.
Wood-preserving, plant and animal destroying, and disinfecting preparations. Grubenholz-Imprägnierung G. m. b. H. 194,056; July 1.
Wood-preserving, plant and animal destroying and disinfecting preparations. Grubenholz-Imprägnierung G. m. b. H. 194,058–9; July 1.

CLASS 9.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta r. l. 177,928–9; July 1.

CLASS 10.

Fertilizer. Pocahontas Guano Co. 195,835; July 1.

CLASS 12

Asphalt. Central Commercial Company. 196,429; July 1.
Bricks. Wyandot Clay Products Company. 196,097; July 1.
Buildings, windows, and doors, Metal frames for. Braden Company. 196,572; July 1.
Cements. Aktieselskabet Aalborg Portland-Cement-Fabrik. 173,908; July 1.
Concrete tile, Hollow. Rogers and Kicklighter. 196,881; July 1.
Lumber. Knul Lumber Company. 195,749; July 1.

CLASS 13.

Concrete insert. M. E. Saunier. 195,653; July 1.
Fence fabric. Cyclone Fence Company. 193,506; July 1.
Pans, Bake. August Maag Co. 195,649; July 1.
Washbowls, urinals, bathtubs, etc. West Coast Porcelain Manufacturers. 192,654; July 1.

CLASS 14.

Bearing metals. A. W. Cadman Manufacturing Co. 188,584; July 1.
Castings, etc., Brass and bronze. William Cramp & Sons Ship & Engine Building Co. 185,956–7; July 1.
Metals and nonferrous-metal castings and forgings, Nonferrous. William Cramp & Sons Ship & Engine Building Co. 185,959; July 1.
Steel. Vulcan Crucible Steel Company. 194,142; July 1
Steel, High-speed. Jessop Steel Company. 194,068; July 1.

CLASS 16.

Paints, enamels, varnishes, etc. Sunset Paint Company. 192,442; July 1.
Varnish stains, paint enamels, etc. Central Glass Company. 194,590; July 1.

CLASS 17.

Cigars. J. F. Reichard. 194,124; July 1.

CLASS 19.

Automobile rims. Interlocking Toggle Rim Co. 177,560; July 1.

CLASS 22.

Baby exercisers. W. F. Hudson. 196,594; July 1.
Cards, Playing. United States Playing Card Company. 193,740; July 1.
Rattles and children's toys. Pacific Novelty Company. 197,042; July 1.
Skates, Ice. Nestor Johnson Mfg. Co. 197,288; July 1.
Skates or devices for skating upon snow. Fayfield Knoll Company. 196,297; July 1.
Toy balloons. Good Rubber Company. 195,816; July 1.
Toy building blocks. Block House, Inc. 197,412; July 1.
Toys, Animated figure. Selrite Products Inc. 179,825; July 1.
Tricycles, Children's. Puffer-Hubbard Manufacturing Company. 197,045; July 1.

CLASS 23.

Automobiles, Gear-shift handles for. W. F. Dornn. 194,340; July 1.
Can-opening machines. Turner & Seymour Manufacturing Co. 196,839; July 1.
Carburetors. Holley Carburetor Company. 195,061; July 1.
Clamps, shores, sleeper chairs, and form spacers, Form. Chicago Form Clamp Company. 194,591; July 1.
Drills, files, wrenches, etc., Twist. Franklin Hardware Co. 186,636; July 1.
Excavators, hoisting machines, etc., Trench. Northwest Engineering Company. 189,334; July 1.
Knitting-machine needles and points. Textile Machine Works. 197,055; July 1.
Metal-cutting saws, and particularly hack-saw blades. Spartan Saw Works. 196,771; July 1.
Pipe sections, Tool-gripping devices for. D. S. Wedgeworth. 196,892; July 1.
Plows. A. Garric. 196,778; July 1.
Reamers, bushings, and jigs. Jig Bushing Company. 192,487; July 1.
Scissors. Associated Merchandizing Corporation. 178,703; July 1.
Spraying apparatus. Vesdal Creations, Inc. 196,279; July 1.

CLASS 26.

Measuring and dispensing apparatus, Hand-operated liquid. St. Louis Pump & Equipment Company. 195,136–7; July 1.
Photographic films. Ansco Photoproducts, Inc. 194,152; July 1.
Photographic paper, Sensitized. C. F. Schmidt. 194,624; July 1.
Picture films, Motion-. Fox Film Corporation. 193,764–5; July 1.
Pumps, Measuring. St. Louis Pump & Equipment Company. 183,007; July 1.

CLASS 29.

Hairbrushes. Dr. S. J. Egan Manufactory. 197,264; July 1.

CLASS 32.

Cabinets, bases and tables, Kitchen. Carson Pirie Scott & Co 195,944; July 1.

CLASS 33.

Glass bottles. Alfred H. Smith Co. 195,420; July 1.

CLASS 34.

Gas ranges, gas stoves, etc. Abendroth Brothers. 179,637; July 1.
Ranges and heaters, Coal and gas. Leonard & Baker Stove Company. 195,452; July 1.

CLASS 35.

Packing, Plastic metallic. Bell's United Asbestos Company Limited. 194,637; July 1.
Rubber and fiber cord pulley belts. Master-Cord Belt Company. 156,703; July 1.
Rubber tires. Burlock Non-Skid Tire Corporation. 186,772; July 1.
Rubber-tube patching, inner tubes, etc. Research Club, Inc. 188,434–5; July 1.

CLASS 37.

Envelopes, Window. Magill-Weinsheimer Company. 193,528–9; July 1.
Letters and circulars, Printed forms of. United Creditors' Association. 175,280; July 1.
Paper. A. R. Meeker & Company. 195,825; July 1.
Mailing wrapper. Pull-The-String Mailing Wrapper Co. 195,459; July 1.

CLASS 38.

Calendars. C. R. Archibald. 193,267; July 1.
Cartoon column pictures and drawings. United Feature Syndicate, Inc. 196,494; July 1.
Magazine. American Forestry Association. 195,324; July 1.
Newspaper articles, Title for a series of. Public Ledger Co. 195,538; July 1.
Publication. W. Armstrong. 193,884; July 1.
Publication, Weekly. Victor Buyers' Commodity Service, Inc. 188,285–6; July 1.
Reports, scientific data, financial and business charts, Market. E. J. Macri. 196,465; July 1.

CLASS 39.

Boots and shoes. C. B. Slater Company. 195,915; July 1.
Boots, shoes, and slippers. International Shoe Company. 194,999–195,000; July 1.
Gloves. Wimelbacher & Rice. 196,360; July 1.
Hats. N. J. Mass. 196,173–4; July 1.
Hats, Women's. Outlet Millinery Company. 195,903; July 1.
Hose, Ladies' silk. Endurance Knitting Company. 193,217; July 1.
Hosiery. Bear Brand Hosiery Co. 196,500; July 1.
Hosiery. Chipman Knitting Mills. 196,511; July 1.
Hosiery. Durham Hosiery Mills. 196,296; July 1.
Hosiery. Society Maid Hosiery Company. 196,484; July 1.
Kimonos, wrappers, and bath robes. J. B. Mustin. 195,235; July 1.
Mackintoshes and raincoats. Rogers Peet Company. 196,031; July 1.

Oversuits for boys and girls, Sport and play. Jenkins Manufacturing Company. 195,965; July 1.
Rubber heels. Cupples Company, Manufacturers. 196,237; July 1.
Shoes. Edmonds Shoe Company. 195,097; July 1.
Suits, Men's. Cohn, Reissman & Co. 195,866; July 1.
Suspenders and garters. Ivory Garter Company. 195,400–1; July 1.
Sweaters, bathing suits, hosiery, etc. American Hosiery and Underwear Corporation. 195,795; July 1.
Swimming suits. Jantzen Knitting Mills. 193,593; July 1.
Topcoats, Men's. Cohn, Reissman & Co. 195,868; July 1.
Undergarment for women. Model Brassiere Co. 196,066; July 1.
Undergarments and negligees, Women's silk. Lande & Miskend. 196,125; July 1.
Underwear. Glix-Brand Underwear Co. 193,457; July 1.
Underwear, Children's athletic. Andala Company. 195,796; July 1.
Underwear, Ladies' silk. M. Klugman. 195,889; July 1.
Underwear, Women's textile-fabric. Samuel Simon & Son, Inc. 195,990; July 1.

CLASS 40.

Boning, steels, and staying materials. American Lady Corset Co. 197,240; July 1.
Combs. Superior Novelty Mfg. Co. 196,141; July 1.
Curling irons, straightening irons, etc. A. Bregmaner, Inc. 191,425; July 1.
Glass beads, bag patterns, chains, etc. World Novelty Co. 189,148; July 1.
Lingerie strap holders. Hoffman Novelty Co. 191,434; July 1.

CLASS 42.

Awning stripes and ticking. John Boyle & Company Incorporated. 196,152; July 1.
Awning stripes and ticking. John Boyle & Company Incorporated. 196,508; July 1.
Blankets, Woolen. James A. Hearn & Son Inc. 195,282; July 1.
Cotton piece goods. Pelzer Manufacturing Company. 196,711; July 1.
Cotton-sateen piece goods. Voss & Stern. 185,544; July 1.
Elastic fabric, Wide. Lawrence & Co. 195,525; July 1.
Fabrics, Decorative. H. F. Walliser Company. 196,090; July 1.
Handkerchiefs. Long Handkerchief Co. 196,815; July 1.
Knitted cloth and fabric of silk, artificial silk, etc. Royal-Ascot Knitting Mills Company. 196,197; July 1.
Overcoatings, women's coatings, cloaks, suits, etc., Men's. S. Stein & Company. 194,575; July 1.
Rugs, Japanese straw and fiber and grass. S. Kann Sons Company. 195,522; July 1.
Silk goods and shirtings. Denville Silk Company. 196,106; July 1.
Silk piece goods. P. Gallub. 195,275–6; July 1.
Silk piece goods. P. Gallub. 196,801; July 1.
Silk piece goods, cotton piece goods, etc. Phillips-Jones Corporation. 197,111; July 1.
Towels. M. McElhernn. 196,178; July 1.
Towels, etc., Cloth. Hohlfeld Manufacturing Company. 196,744; July 1.
Wool-velour coating piece goods. C. Bahnsen & Co. 196,787; July 1.
Woolen goods. S. Stein & Co. 195,423; July 1.
Woolen goods. S. Stein & Co. 195,425; July 1.
Woolen goods. S. Stein & Co. 196,355; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,342; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,348; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,353–4; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,357; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,385; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,387; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,389; July 1.
Woolen piece goods. Forstmann & Huffmann Company. 195,391; July 1.
Woolen piece goods. S. Stein & Co. 195,310–14; July 1.
Woolen piece goods. S. Stein & Company. 195,840–1; July 1.
Woolens and worsteds. B. Landau. 197,156–7; July 1.
Worsted and woolen textile fabrics. Holden-Leonard Company. 196,868; July 1.

CLASS 43.

Threads. Manufacturers Supplies Company. 158,635; July 1.

CLASS 44.

Dental casts, forms, display stands, etc. Columbia X-Ray & Electric Corporation. 188,182; July 1.
Dental hand-piece sterilizers and sterilizers of dental apparatus. P. J. L. Nemmers. 195,120; July 1.
Dental supplies. W. J. Terry. 187,028; July 1.
Diapers, Knitted. L. R. McNair. 195,298; July 1.
Heat pad for medical purposes. E. M. Bailey. 188,290; July 1.
Sanitary napkins. Swantex Products Corporation. 179,494; July 1.

CLASS 45.

Beverage and sirup for making the same. Moxie Company. 178,054; July 1.
Ginger ale. A. La Pides. 196,529; July 1.

CLASS 46.

Bread. Ward Baking Company. 195,788; July 1.
Bread. Wyoming Valley Bakery. 197,236; July 1.
Butter. Climax Creamery Co. 192,239; July 1.
Butter, Creamery. Auerbach Company. 197,058; July 1.
Candies and chocolates. Aktieselskabet Freia Chocolade Fabrik. 192,102; July 1.
Candy. Collins-Hencke Candy Co. 195,803; July 1.
Candy. Euclid Candy Co. 170,570; July 1.
Candy. Gillen & Boney, Inc. 189,889; July 1.
Candy. E. Kladivko. 189,980; July 1.
Candy. Nunnally Company. 195,456; July 1.
Candy. Schill's Inc. 195,777; July 1.
Candy. Shull Candy Company. 186,251; July 1.
Candy. Ye-Noh Candy Company. 195,848; July 1.
Canned fruits and vegetables. L. J. Reid. 178,925; July 1.
Canned fruits and vegetables, breakfast cereals, coffee. Staples Grocery Company. 190,035; July 1.
Canned grapes, olives, figs, etc. Wester Grocer Company. 191,153; July 1.
Canned vegetables. B. Cole Jr. & Co. 194,395; July 1.
Canned vegetables. Oconomowoc Canning Company. 197,039; July 1.
Canned vegetables, coffee, tea, and rice. Merchants Wholesale Grocery Co. 195,454; July 1.
Cheese and cheese products. Martin Bros. Company. 196,537; July 1.
Cheese, Full-cream. A. H. Loeb. 197,160; July 1.
Chocolates. Schwabacher Bros. & Co. 191,842; July 1.
Cocoa, Prepared. Merrell-Soule Company. 191,837; July 1.
Coffee. Merchants Wholesale Grocery Company. 195,177; July 1.
Coffee. R. J. Thornton & Co. 195,140; July 1.
Coffees, teas, chocolates, bonbons, cocoa. M. M. de Picabia. 193,326; July 1.
Feed, Animal. Hiawatha Gin and Manufacturing Company. 197,028; July 1.
Feeds, Animal molasses. Huntsville Warheouse Company. 197,330; July 1.
Feeds, Poultry. M. C. Peters Mill Co. 177,992; July 1.
Feeds, Poultry. M. C. Peters Mill Co. 177,994; July 1.
Flavors and flavoring extracts. Special Products Laboratory, Inc. 174,114; July 1.
Flour, Wheat. African & Eastern Trading Co. 196,895; July 1.
Flour, Wheat. Cleveland Milling Company. 195,212; July 1.
Flour, Wheat. Great West Mill & Elevator Company. 197,370; July 1.
Fruits, Citrus. Dr. P. Phillips Company. 193,624; July 1.
Fruits, Fresh citrous. W. E. Lee & Company. 189,904; July 1.
Fruits, Fresh citrous. South Lake Apopka Citrus Growers Association. 193,632; July 1.
Milk, Evaporated skimmed. Universal Milk Company. 196,358; July 1.
Oil and olives, Olive. European Export Corporation. 185,747; July 1.
Oil, Edible vegetable. J. A. Doering. 194,697; July 1.
Oil meal, Linseed-. Portland Linseed Oil Works, Inc. 197,167; July 1.
Oil, Olive. F. G. Arata. 174,380; July 1.
Oil, Olive. A. Germano & Son. 194,534; July 1.
Pectin. E. A. Ruthstrom. 194,948; July 1.
Pork, beef, lard. Chas. Hollinshed Co. 190,341; July 1.
Raisins, Dried. Fred B. Neuhoff Company. 193,061; July 1.
Salad dressing. N. K. Chesbrough. 193,447; July 1.
Tapioca. J. L. Cushman. 194,911; July 1.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,813; July 1.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,818; July 1.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,823; July 1.
Tomato products. Strohmeyer & Arpe Company. 195,549; July 1.
Vanilla extract, lemon extract, etc. Blackstone Manufacturing Co. 170,518; July 1.

CLASS 50.

Sheeting, Waterproof. Terry Textile Corporation. 195,663; July 1.
Signs, Advertising display. Steinau Company. 193,737; July 1.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Franklin E., Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company of New York, Inc. Base plate for rail joints. 1,499,324; July 1.

Adams, Edwin B., Marion, assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Tumbler or similar article. Des. 65,041; July 1.

Adams, Ralph, Portland, Oreg. Spark arrester. 1,499,437; July 1.

Adams, Walter L. (See Pflueger, C. T., and Adams.)

Aeolian Company, The. (See Warner, Sterling W., assignor.)

Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. System of communication with moving vehicles. 1,499,438; July 1.

Aktiebolaget Stille-Werner. (See Nordin, Josef A., assignor.)

Aktiebolaget Vaporackumulator. (See Ruths, Johannes K., assignor.)

Alger, Don L., Avalon, Calif. Aquatic game. 1,499,628; July 1.

Allcutt, Chester T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring system. 1,499,325; July 1.

Allen, Will F., Nashville, Tenn. Stove. Des. 65,042; July 1.

Allinson, John J., Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Distilling oil. 1,500,040; July 1.

Allinson, John J., Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Oil-distilling apparatus. 1,500,041; July 1.

Almedia, Jose M., Rock Springs, Wyo. Lock. 1,499,960; July 1.

Altman, Jacob, assignor to J. W. Schultz, Los Angeles, Calif. Group statuette. Des. 65,043; July 1.

American Arch Company. (See Willett, A. H., and Martin, assignors.)

American Can Company. (See Banke, Herbert, assignor.)

American Cement Tile Manufacturing Company. (See Myers, Solomon B., assignor.)

American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)

American Ice Company. (See Clark, B. J., and Huhn, assignors.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Liquolift Corporation. (See Long, Ramon, assignor.)

American Lithographic Company. (See Dietsche, Adolph, assignor.)

American Machine & Foundry Company. (See Gwinn, G. W., and Leary, assignors.)

American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)

American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)

American Telephone and Telegraph Company. (See Loynes, Owen H., assignor.)

American Voith Contact Company. (See Priem, Paul, assignor.)

American Zeolite Corporation. (See Willcox, Oswin W., assignor.)

Amis, Lewis A., Muskogee, Okla. Oil container. Des. 65,044; July 1.

Anderson, Alfred R., Rock Springs, Wyo. Car brake. 1,499,439; July 1.

Anderson, Eric H., Magna, Utah. Air pan. 1,499,496; July 1.

Anderson, Robert J., assignor to C. H. Washburn, Minneapolis, Minn. Storage-battery cell. 1,499,901; July 1.

Andrews, Russell J., Denver, Colo. Automatic siphon. 1,499,568; July 1.

Ansart, Louis L., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,499,326; July 1.

Armstrong, Claude K., Princeton, W. Va. Mop. 1,500,042; July 1.

Armstrong Siddeley Motors Limited. (See Green, Frederick M., assignor.)

Arnold, Clarence L., Columbus, Ga. Closure for tanks or the like. 1,499,629; July 1.

Aronsson, Karl H., Huvudsta, assignor to E. J. Wiel-Berggren, Morby, Stocksund, Sweden, forester. Portable wall section for house building. 1,499,630; July 1.

Asper, Albert C., Kansas City, Mo. Automobile starting device. 1,500,043; July 1.

Atlee, Edward. (See Rule, William C., assignor.)

Atwell, Lewis E., J. Grant, and C. E. White, Jacksonville, Fla. Shock absorber. 1,500,044; July 1.

Auchstetter, William, Idagrove, Iowa. Shield for vehicle headlights. 1,499,961; July 1.

Augur, Erroll M., New Haven, Conn. Shoe heel. 1,499,601; July 1.

Austin, Ralph W., Quincy, Mass. Fire extinguisher. 1,499,631; July 1.

B. & S. Manufacturing Products Corporation. (See Braden, R. W., and Stern, assignors.)

Babcock, Pearl D., Milford, Conn., assignor to L. Candee & Company. Collapsible last. 1,499,758; July 1.

Bacharach, Herman, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company. Gauge. 1,499,759; July 1.

Bacharach Industrial Instrument Company. (See Bacharach, Herman, assignor.)

Badische Maschinenfabrik & Eisengiesserei vorm. G. Sebold and Sebold & Neff. (See Henninger, Ludwig, assignor.)

Badowski, Alfred, assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va. Pressure gauge for tires. 1,499,327; July 1.

Badowski, Alfred, assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va. Pressure gauge for tires. 1,499,328; July 1.

Badowski, Alfred, assignor to Tirometer Valve Corporation, Charleston, W. Va. Pressure gauge for tires. 1,499,497; July 1.

Bailly, Armand, Paris, France. Pneumatic hammer. 1,499,569; July 1.

Baker, Joseph, Sons & Perkins Company. (See Baker, R. K., and Harber, assignors.)

Baker, Robert E., Bronxville, and L. S. Harber, Katonah, assignors to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Conveyer for plastic bodies. 1,499,799; July 1.

Bandelier, Alphonse, Lausanne, Switzerland. Dust-laying device for motor vehicles. 1,499,760; July 1.

Banke, Herbert, Maywood, Ill., assignor to American Can Company, New York, N. Y. Clutch ring. 1,499,632; July 1.

Bannister, Bryant, Pittsburgh, Pa., assignor to Bannister Motor Appliance Company. Carburetor. 1,499,800; July 1.

Bannister Motor Appliance Company. (See Bannister, Bryant, assignor.)

Bardern, Jose M., New York, N. Y. Sugar holder. 1,499,902; July 1.

Barman, Louis M., assignor to Ronco Limited, London, England. Inking device or attachment more particularly for use with addressing machines. 1,499,329; July 1.

Barman, Louis M., assignor to Ronco Limited, London, England. Addressing machine or like printing machine. 1,499,330; July 1.

Barnaby, George. (See Spry, William M., assignor.)

Barnes, John, Manistique, Mich. Pipe joint. 1,499,962; July 1.

Barnes, Wilfred, Forest Park, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Combined electric-heater casing and standard. Des. 65,045; July 1.

Barnes, Wilfred, Forest Park, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Combined electric-heater casing and standard. Des. 65,046; July 1.

Barnes, Wilfred, Forest Park, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Combined electric-heater casing and standard. Des. 65,047; July 1.

Bartlett, Robert G., Pleasantville, N. J. Rotary cutter. 1,500,045; July 1.

Batsel, Max C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving circuit. 1,499,331; July 1.

Baumann, Karl, Urmston, England, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Fluid-pressure support for bearings. 1,499,332; July 1.

Beck, Adolph, Brooklyn, N. Y. Dish drier. 1,499,903; July 1.

Becker, Hans, Dusseldorf, Germany. Lathe. 1,499,633; July 1.

Beckman, Oswald E., Mediapolis, Iowa. Combination lock for sedans and coupés. 1,499,963; July 1.
Beckwith, Harry H. (See Swett, Charles E., assignor.)
Beckwith, Raymond A., assignor to National Brake & Electric Company, Milwaukee, Wis. Transmission. 1,499,634; July 1.
Becton, William L., Halls, Tenn. Backband buckle. 1,499,333; July 1.
Beers, Burton B. (See Labadie, H. H., Beers, and Brand.)
Belair, Joseph A., and R. M. Scott; said Scott assignor to J. Darcy, Montreal, Quebec, Canada. Oil burner. 1,499,848; July 1.
Bell, Chriss A., administrator. (See La Moree, James H.)
Bell, Raymond T., Chicago, Ill. Pencil. 1,499,440; July 1.
Bell Register Corporation. (See Bell, S. J., Bullard, and Cosgrove, assignors.)
Bell, Samuel J., F. H. Bullard, Springfield, and R. E. Cosgrove, Longmeadow, assignors, by mesne assignments, to Bell Register Corporation, Springfield, Mass. Fare box. 1,499,904; July 1.
Bell, Walter, Hamilton, Ontario, Canada. Material holder and carrier for dyeing yarn on cheeses. 1,500,046; July 1.
Bell, William C., Baltimore, Md. Piston unit. 1,499,964; July 1.
Benckenstein, Charles H., Vinton, La. Tubing spider. 1,499,635; July 1.
Bergman, William G., Toledo, Ohio. Glass-molding machine. 1,499,334; July 1.
Berkins, Clarence A., Minneapolis, Minn. Hydrocarbon burner. No. 1,499,335; July 1.
Bethlehem Steel Company of New York, Inc. (See Abbott, Franklin E., assignor.)
Beyerle, Gottlob W., Denver, Colo. Automatic oyster shucker. 1,499,965; July 1.
Blas, Stanley C., Harrisburg, Pa. Toy. 1,500,047; July 1.
Bibbins Ball Compass, Inc. (See Bibbins, Royal E., assignor.)
Bibbins, Royal E., assignor to Bibbins Ball Compass, Inc., New York, N. Y. Compass. 1,499,602; July 1.
Blenenstok, Edgar A., assignor to Milwaukee Tank Works, Milwaukee, Wis. Welding machine. 1,499,498; July 1.
Blenenstok, Edgar A., assignor to Milwaukee Tank Works, Milwaukee, Wis. Welding machine. 1,499,499; July 1.
Billé, Léon, Nogent-sur-Marne, France. Method of and apparatus for use in the manufacture of pipes, tubes, and the like. 1,499,719; July 1.
Bimler, Joseph J., Michigan, N. Dak. Coal scuttle. 1,500,048; July 1.
Bisaillon, Hector E. (See Mills, W. S., and Bisaillon.)
Bishop, George W., New York, N. Y. Game apparatus. 1,499,905; July 1.
Bissell, Don W., Buffalo assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of m-amino-benzaldehyde. 1,499,761; July 1.
Blackburn, Jasper, Webster Groves, Mo. Differential drive clutch for automobiles. 1,499,336; July 1.
Blackman, Samuel, Philadelphia, Pa. Bottle. Des. 65,048; July 1.
Blatchford, Carter, Chicago, Ill. Metal roof for freight cars. 1,499,337; July 1.
Bloom, Edgar J., Tiffin, Ohio. Accelerator mechanism. 1,499,849; July 1.
Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Bull-wheel structure. 1,499,500; July 1.
Blumenthal, Sidney, & Co. (See Kozlay, Clarence V., assignor.)
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Ring for lighting fixtures. Des. 65,049; July 1.
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Ring for lighting fixtures. Des. 65,050; July 1.
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Arm for lighting fixtures. Des. 65,051; July 1.
Boitel, Alexandre, Puteaux, assignor to G. Delmousse, Paris, France. Loom shuttle. 1,499,603; July 1.
Bolstead, Lewveau L., Oconomowoc, Wis. Intermittent feed for machines. 1,499,441; July 1.
Bond, Charles L., Boston, assignor to P. E. Ginn, Jamaica Plain, Mass. Machine for filling containers. 1,499,338; July 1.
Bond, Frank A., Pittsburgh, Pa., assignor to United States Chain & Forging Company. Case-hardening process. 1,499,801; July 1.
Bonnard, Leonard H., London, England. Retort and furnace. 1,499,850; July 1.
Bonneau, Edward W., et al. (See Renstrom, George A., assignor.)
Boonzaier, Gregorio J., et al., executors. (See Boonzaier, Wilhelm G.)
Boonzaier, Wilhelm G., deceased, New Wandsworth, London, England; I. K. Holland and G. J. Boonzaier, executors. Automatic coupling for railway and like vehicles. 1,499,966; July 1.
Booth, Ralph W., Brooklyn, N. Y. Making cork disks. 1,499,636; July 1.
Borck, Michael. (See Convette, George, assignor.)
Bowers, Edward, Paducah, Ky. Vibratory platform. 1,499,967; July 1.
Boykin, Robert O., Rogue River, Oreg. Hammer. 1,499,501; July 1.
Braden, Richard W., New York, N. Y., and C. Stern, assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J. Attachment for locomotives. 1,499,637; July 1.
Brake, Lloyd A., Crawfordsville, Ind. Car-controlling device. 1,499,638; July 1.
Brand, William M. (See Labadie, H. H., Beers, and Brand.)
Brault, Bruno, Two Rivers, Wis. Time-controlled apparatus. 1,499,968; July 1.
Breneman, Paul E., Philadelphia, Pa., assignor to C. R. Wilson Body Company, Detroit, Mich. Detachable upholstery for metallic bodies of vehicles. 1,499,339; July 1.
Brenkert, Joseph W., San Diego, Calif. Traffic-signaling apparatus for street crossings. 1,499,906; July 1.
Brink, Edward H. (See De Long, Arthur R., assignor.)
Brinton, H., Company. (See Larkin, Walter, assignor.)
Bristow, Francis G. W., Sydney, New South Wales, Australia. Sheep-shearing-machine comb. 1,499,604; July 1.
British Cotton Industry Research Association, The. (See Oxley, Arthur E., assignor.)
Brogan, William. (See McGrath, William H., assignor.)
Brooks, John W., Boise, Idaho. Curtain holder. 1,500,049; July 1.
Brown, John W., jr., Philadelphia, Pa. Swivel joint for pipes. 1,499,851; July 1.
Brown, Ora S., Virginia, Minn. Clothes-washing machine. 1,499,605; July 1.
Brown, Roy R., Glens Falls, N. Y. Dumping wagon. 1,499,969; July 1.
Brown, Samuel H., Cleveland, Ohio. Storage battery. 1,499,907; July 1.
Browning, Howard E., Chester, Ill. Air heater. 1,499,442; July 1.
Brunner Manufacturing Company. (See Parker, George A., assignor.)
Bullard, Frederick H. (See Bell, S. J., Bullard, and Cosgrove.)
Bundy, George T., jr., Far Rockaway, N. Y. Window-shade adjuster. 1,499,340; July 1.
Bunn, Orrice E., Bristol, Tenn. Trap. 1,500,050; July 1.
Burch, Lawrence A., Jamestown, N. Y. Chuck. 1,499,639; July 1.
Burlin, Leslie H., Chicago, Ill. Wood-turning machine. 1,499,802; July 1.
Bush, Clarence, Chicago, Ill. Pilot reamer. 1,499,970; July 1.
Caillois, Pierre G., Paris, France. Safety spring barrel applicable to locks or any key-locking system. 1,499,444; July 1.
Caldwell & Drake Iron Works. (See Clay, James S., assignor.)
Caldwell, John C., Miami, Fla. Power-generating mechanism. 1,500,051; July 1.
California Cedar Products Company. (See Makowski, John F., assignor.)
Callahan, Joseph J., et al., trustees. (See Ormond, John J., assignor.)
Callison, Abner F., Philadelphia, Pa. Coupling device. 1,499,971; July 1.
Cameron, Will J., Chicago, Ill. Dental pulp tester. 1,499,341; July 1.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Brake mechanism for railway cars. 1,499,342; July 1.
Candee, L., & Company. (See Babcock, Pearl D., assignor.)
Canfield, Benjamin E., Holton, Kans. Camping Outfit. 1,499,972; July 1.
Canfield, William S. (See Martin, James M., assignor.)
Carmean, James H., Kansas City, Mo. Electric grate. 1,499,502; July 1.
Carr, Daniel C., Chicago, Ill. Collar-attaching device. 1,499,570; July 1.
Castillo, José F. (See Palmer, G. D., and Castillo.)
Caulfield, Carl C. (See Caulfield, Robert J. and C. C.)
Caulfield, Robert J. and C. C., Niles, Ohio. Air compressor. 1,500,052; July 1.
Cayo, Edward L., Buchanan, Mich. Top spinner. 1,499,803; July 1.
Cerini, Peter V., Monroe, Wash. Apparatus for food preparation. 1,499,852; July 1.
Champion, Sandy, Hot Springs, Ark. Wrench. 1,499,804; July 1.
Chaney, Newcomb K., Kew Gardens, N. Y., assignor to National Carbon Company, Inc. Activating carbon. 1,499,908; July 1.
Chapman, Frank C., Modesto, Calif. Fruit dipping and cleaning apparatus. 1,499,443; July 1.
Charland, Frederick A., Lyndonville, Vt. Combined step-ladder and ironing board. 1,499,343; July 1.
Chase Companies, The. (See Recker, Adolph C., assignor.)
Chatterton, Harry B., West Somerville, Mass. Elastic bandage. 1,499,895; July 1.
Chige, Isidor, and I. Zadikow, New York, N. Y. Impression tray. 1,499,344; July 1.
Chett, Edward L., Chicago, Ill. Teeth-cleaning instrument. 1,499,345; July 1.

Chott, Edward L., Chicago, Ill. Teeth-cleaning instrument. 1,499,346; July 1.
Church, Edgar D., and J. W. Van Brunt, assignors to Jackson & Church Company, Saginaw, Mich. Latch. 1,499,909; July 1.
Church, Elliott S., Newton, and F. J. Shepard, jr., Auburndale, Mass. Shock absorber. 1,499,606; July 1.
Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
Clark, Benjamin J., and J. Huhn, assignors to American Ice Company, Baltimore, Md. Closure for cold-storage compartments. 1,499,503; July 1.
Clark, Charles H. (See Gallor, C. F., and Clark.)
Claus, Emil L., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Ignition device for gas burners. 1,499,854; July 1.
Clay, James S., Indianapolis, assignor to Caldwell & Drake Iron Works, Columbus, Ind. Lamp post. 1,499,445; July 1.
Code, John C., Portland, Oreg. Cock. 1,499,446; July 1.
Coelman, William, Providence, R. I. Trophy cup. Des. 65,052; July 1.
Cohn, Alfred, Milwaukee, Wis. Knitted cap. Des. 65,053; July 1.
Cohn-Hall-Marx Co. (See Marx, Laurence, assignor.)
Cohn, Meyer, and W. F. Probst, Chillicothe, Ohio. Protector for collar buttons. 1,500,053; July 1.
Coltman, James E., Ilford, England. Construction of racket presses. 1,500,054; July 1.
Colton, Max, San Francisco, Calif. Neckwear contrivance. 1,499,504; July 1.
Colt's Patent Fire Arms Manufacturing Company. (See Tansley, G. H., and Pfeiffer, assignors.)
Columbia Phonograph Company. (See Roberts, T. C., and Hinckley, assignors.)
Columbus McKinnon Chain Co., The. (See Demers, Joseph J., assignor.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bow. Des. 65,054; July 1.
Conley, Edwin J., New York, and E. J. Whalen, Howard Beach, assignors to The Conley Foil Company, New York, N. Y. Machine for wrapping and sealing metal foil. 1,499,505; July 1.
Conley Foil Company, The. (See Conley, E. J., and Whalen, assignors.)
Conley, George W., Wheaton, Ill. Smoking pipe. 1,500,055; July 1.
Conover, Claude A., Newburgh, N. Y. Pencil sharpener. 1,500,056; July 1.
Conradi, Harry, Toorak, Australia. Centrifugal manufacture of reenforced-concrete pipes and the like. 1,499,762; July 1.
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Consolidated Car-Heating Company. (See Hynes, L. P., and Griffin, assignors.)
Consolidated Car-Heating Company. (See Rhodes, Robert S., assignor.)
Conte, James, Bloomington, Ill. Bottomer for candy-coating machines. 1,499,347; July 1.
Cook, Orval G., assignor to The Main-Cook Manufacturing Company, Columbus, Ohio. Machine for casting lead seals. 1,499,447; July 1.
Cooke, Arthur B., Macon, Ga. Fresh-air bed. 1,500,093; July 1.
Cooper, John W., Kingston-upon-Hull, England. Trouser press. 1,499,506; July 1.
Copeland, Lucius D., Sawtelle, Calif. Dirigible lamp. 1,499,640; July 1.
Corns, Alfred J. M., Quinnimont, W. Va. Electric-light attachment for beds. 1,500,057; July 1.
Coryell, Charles N., Mamaroneck, N. Y. Vanity case. 1,499,855; July 1.
Coryell, Charles N., Mamaroneck, N. Y. Vanity case. 1,499,856; July 1.
Cosgrove, Robert E. (See Bell, S. J., Bullard, and Cosgrove.)
Courtemanche, Peter C., Claremont, N. H. Mop wringer. 1,500,058; July 1.
Cowette, George, assignor of one-half to M. Borck, Rogers, Minn. Pump jack. 1,500,059; July 1.
Cox, George W., jr., assignor to National Assorting Company, Washington, D. C. Sorting machine. 1,499,641; July 1.
Cox, Lon F., Mertens, Tex. Fastener for bolts of cloth, ribbon, and the like. 1,499,910; July 1.
Craig, Hugh, Calgary, Alberta, Canada. Filler, tank. 1,499,642; July 1.
Crane, Frederick D., Montclair, N. J., and W. J. Schieffelin, New York, N. Y. Suppository and making the same. 1,499,348; July 1.
Crawford, Wilber D., Scottsbluff, Nebr. Skate. 1,499,448; July 1.
Creedy, Frederick, Yorkshire, England. Multispeed dynamo-electric machine. 1,499,853; July 1.
Crocker, H. S., Co. (See Harrison, Cecil B., assignor.)
Cross, Frederick J., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Platter. Des. 65,055; July 1.
Crown Shock Absorber Company. (See Segura, Sidney B., assignor.)
Crummett, Richard H., and J. B. Waggoner, Monterey, Va. Brush. 1,499,507; July 1.
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Electric toaster or similar article. Des. 65,056; July 1.
Cutler-Hammer Mfg. Co., The. (See Fernow, Bernhard E., jr., assignor.)
Cutler-Hammer Mfg. Co., The. (See Stevens, William C., assignor.)
Cutler-Hammer Mfg. Co., The. (See Stockle, Erwin R., assignor.)
Dalzell, Earline, Houston, Tex. Protector for bobbed hair. 1,499,911; July 1.
D'Ans, Jean, Berlin, Germany. Oxidizing organic substances in alkaline liquors. 1,499,798; July 1.
Darcy, John. (See Belair, J. A., and Scott, assignors.)
Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 65,057; July 1.
David, William J., Farwell, Nebr. Barber's haircloth. 1,499,857; July 1.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore and the like. 1,499,912; July 1.
Davis, Kenneth, assignor to R. Peale, St. Benedict, Pa. Power-transmitting and speed-reducing mechanism. 1,499,763; July 1.
Davis, Morris A., Los Angeles, Calif. Piston ring. 1,499,571; July 1.
Davis, William R., Wallace, Idaho. Fishhook holder. 1,499,858; July 1.
Dawson, James H., Brierfield Mills, near Burnley, England. Fiber-treating appliance for drawing and preparing fibers for spinning into yarns. 1,499,607; July 1.
Deane, Herbert C., Shoshone, Idaho. Hypodermic syringe. 1,499,508; July 1.
Deems, Clarence O., San Antonio, Tex. Draft connection. 1,499,859; July 1.
De Groote, Joe, Pecatonica, Ill. Belt buckle. 1,499,453; July 1.
Delas, Albert, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y. Ejector with cooled walls. 1,499,349; July 1.
Delas, Albert, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y. Elastic-fluid ejector. 1,499,350; July 1.
Delas Condenser Corporation. (See Delas, Albert, assignor.)
Delmousee, Georges. (See Boitel, Alexandre, assignor.)
De Long, Arthur R., Peoria, Ill., assignor to E. H. Brink, Cincinnati, Ohio. Flour sifter. 1,499,860; July 1.
Demangeon, Marcel, Amisk, Alberta, Canada. Power-driven sleigh. 1,499,806; July 1.
Demers, Joseph J., East Watertown, Mass., assignor to The Columbus McKinnon Chain Co., Columbus, Ohio. Rim-chain connecter. 1,499,913; July 1.
Denver Rock Drill Manufacturing Company, The. (See Naismith, William G., assignor.)
Detroit Butcher Supply Company. (See Gustus, John A., assignor.)
Deutsche Schweiss-Maschinen Fabrik Becker & Co., A. G. (See Dyhr, Svend, assignor.)
De Vains, Antoine R., Miribel, Ain, France. Continuous chlorluation of ligno- and pecto-cellulose by nascent chlorine for the purpose of obtaining pure cellulose. 1,500,060; July 1.
Dewey, Edson E., Lee, Mass. Automobile brake. 1,499,807; July 1.
Dibrell, James L., Little Rock, Ark. Vehicle pulling device. 1,499,351; July 1.
Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine lighting fixture. 1,499,914; July 1.
Dietsche, Adolph, assignor to American Lithographic Company, New York, N. Y. Envelope. 1,499,352; July 1.
Dietz, Carl V. (See Dietz, Emil, assignor.)
Dietz, Emil, assignor to C. V. Dietz, Indianapolis, Ind. Corner iron for trucks. 1,500,092; July 1.
Dimm, Chandos R., assignor to Robinson Manufacturing Company, Muncy, Pa. Batch mixer. 1,500,061; July 1.
Dingfeld, Albert. (See Strauss, F., and Dingfeld.)
Distin, Edward H., assignor to Kalamazoo Paper Box Company, Kalamazoo, Mich. Package for roll paper. 1,499,808; July 1.
Di Tosto, Carlo, Fairmont, W. Va. Milk-bottle opener. 1,500,015; July 1.
Doerr, Albert W., Vineland, N. J. Bottle. Des. 65,058; July 1.
Doherty Research Company. (See Allinson, John J., assignor.)
Dorey, George B., Montreal, Quebec, Canada, assignor to W. H. Miner, Chazy, N. Y. Friction draft rigging. 1,499,353; July 1.
Dorman, Harley A. (See Weiske, W. C., and Dorman.)
Dorn, Carl C., J. L. Smith, and W. P. Leister, Walhalla, S. C. Stop mechanism for looms. 1,499,449; July 1.
Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor of one-half to the Firm: Dornier, Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Mounting of parachutes. 1,499,643; July 1.
Dornier, Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
Douglass, Samuel E., Raleigh, N. C. Dental tray attachment. 1,499,973; July 1.

Dowrello, Antone, Crockett, Calif. Automatic hose reel. 1,499,644; July 1.

Dressler, Conrad, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Twin-tunnel kiln and operating the same. 1,499,354; July 1.

Duke, Harold H., Rockdale, Sydney, New South Wales Australia. Disk wheel for motor and other road vehicles. 1,499,809; July 1.

Dunn, Irwin L., Marietta, Ohio. Method of and apparatus for removal of fluids from wells. 1,499,509; July 1.

Dura Company, The. (See Nicholson, Stanley W., assignor.)

Dura Flim Protector Co. (See Lichte, Heinrich, assignor.)

Dutcher, Pierpont E., Upper Montclair, N. J. Digging and loading machine. 1,499,764; July 1.

Dyhr, Svend, Berlin-Charlottenburg, assignor to Deutsche Schweiss-Maschinen-Fabrik Becker & Co., A. G., Berlin-Schoneberg, Germany. Electric welding. 1,499,645; July 1.

Earles, J. R., jr. (See Merritt, Charles W., assignor.)

Eaton, William N., Washington, D. C. Measuring instrument. 1,499,861; July 1.

Ebelling, August, Berlin-Schoneberg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraphy. 1,499,646; July 1.

Eckerle, Charles E., Birmingham, Ala. Hydrocarbon-oil burner. 1,499,355; July 1.

Eddy, Howard E. (See Williston, B. T., and Eddy.)

Edison Electric Appliance Company. (See Barnes, Wilfred, assignor.)

Egg, Andrew, New York, N. Y. Nonpneumatic tire. 1,499,810; July 1.

Eichenberg, William J., assignor to Industrial Research Corporation, Toledo, Ohio. Driving mechanism. 1,499,862; July 1.

Elder, John R., Fort Edward, N. Y. Implement for folding hose. 1,499,811; July 1.

Eldridge, Leonard L., San Antonio, Tex. Slab form. 1,499,572; July 1.

Elgin, Alice M., Cabool, Mo. Sifter. 1,500,062; July 1.

Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,499,510; July 1.

Elstein, William, New York, N. Y. Porcelain wall fitting. 1,499,511; July 1.

Elzey, Edgar P., Parkersburg, W. Va. Emergency traction or antiskid chain. 1,499,974; July 1.

Emsley, Annie, Providence, R. I. Combination drawers and abdominal support for men. 1,499,647; July 1.

Endres, Nickolas, Selo, Oreg. Lamp support. 1,499,450; July 1.

Ennis, Andrew C., Smithfield, N. C. Valve silencer. 1,499,573; July 1.

Enterprise Manufacturing Company. (See Pflueger, C. T., and Adams, assignors.)

Erdey, Joseph, New York, N. Y., assignor, by mesne assignments, to The Safelock Co., Inc., Cleveland, Ohio. Lock for automobile steering wheels. 1,499,356; July 1.

Erickson, Frederic W., Pelham Manor, N. Y. Pipe cutting or sawing machine. 1,499,812; July 1.

Erickson, Frederic W., Pelham Manor, N. Y. Method and machine for sawing metal articles. 1,499,813; July 1.

Erickson, Frederic W., Larchmont, N. Y. Machine for sawing metal articles. 1,499,814; July 1.

Etzenhouser, Fred H., Mount Washington, Mo. Drain valve. 1,499,451; July 1.

Evans, Arthur H., Tulsa, Okla. Barrel tongs. 1,499,574; July 1.

Evans, Frank H., Beconsfield, and H. A. Evans, South Harrow, assignors to G. S. Walpole, London, England. Embossing apparatus. 1,499,608; July 1.

Evans, Harold A. (See Evans, Frank H. and H. A.)

Evans, Henry P., Abbotsford, near Sydney, and H. S. Standen, Waverley, near Sydney, New South Wales, Australia. Fuel economizer for gas-fired stoves and the like. 1,500,063; July 1.

Falck, Johan K. B., Larvik, Norway. Speed-controlling apparatus for automobiles and the like. 1,499,765; July 1.

Farbwerke vorm. Meister Lucius & Bruning. (See Thiess, K., and Miller, assignors.)

Farley, Thomas J. (See Spurgeon, J. L., and Farley.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 1,499,357; July 1.

Fehlberg, Walter F. (See Schmitt, C. O., and Fehlberg.)

Felardo, Alfred, New York, N. Y. Aeroplane kite. 1,500,064; July 1.

Feldman, Abraham G., Chicago, Ill. Bassinet or crib. Des. 65,059; July 1.

Ferguson, Herman B., New Rochelle, N. Y. Undergarment. 1,499,915; July 1.

Ferguson, Thomas T. H., Bilthoven, Netherlands. Indicator. 1,500,065; July 1.

Fernow, Bernhard E., jr., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Lifting magnet. 1,499,358; July 1.

"Ferrum" Giesserei & Maschinenfabrik, A. G. (See Hausberg, Carl, assignor.)

Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,499,766; July 1.

Filkins, Arthur J., Riverside, Ill. Smokejack. 1,499,512; July 1.

Flukesteln, Hans, Uerdingen-on-the-Rhine, Germany. Impregnating wood. 1,500,066; July 1.

Fischl, Julius, New York, N. Y. Button. 1,499,513; July 1.

Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)

Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)

Floresta, John G., and J. Zanghi, Tyrone, Pa. Shoe stretcher. 1,499,815; July 1.

Fleming, James R. (See McNamara, Matthew J., assignor.)

Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Well packer. 1,499,916; July 1.

Foderaro, Edward, Scranton, Pa. Electric toy. 1,499,816; July 1.

Fokker, Anthony H. G., Amsterdam, Netherlands. Arrangement and disposition of fuel tanks in flying machines. 1,499,817; July 1.

Foley, Hugh, Sourlake, Tex. Valve-seat-removing mechanism. 1,499,917; July 1.

Ford, James E., Green Bay, Wis. Artificial bait. 1,499,975; July 1.

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined frequency changer and phase converter. 1,499,359; July 1.

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency-converter method and system. 1,499,560; July 1.

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined phase converter and frequency changer. 1,499,918; July 1.

Foster, S. H. (See Holmes, Frederick J., assignor.)

Frahm, Frederick W., Los Angeles, Calif. Separator for storage batteries. 1,499,863; July 1.

France, Alexander, Mars, Pa. Derrick structure. 1,499,514; July 1.

Francis, Earl, Minot, N. Dak. Tire-chain shoe. 1,499,648; July 1.

Franconetti, August, Washington, D. C. Gem-seat-grooving tool. 1,499,818; July 1.

Fraser, George H., Brooklyn, N. Y. Air and other separator. 1,499,515; July 1.

Fraser, George H., Brooklyn, N. Y. Pulverizing mill. 1,499,516; July 1.

Fraser, George H., Brooklyn, N. Y. Separator. 1,499,517; July 1.

Fraser, George H., Brooklyn, N. Y. Separator. 1,499,720; July 1.

Fraser, George H., Brooklyn, N. Y. Separator. 1,499,721; July 1.

Fraser, George H., Brooklyn, N. Y. Air separator. 1,499,722; July 1.

Fraser, George H., Brooklyn, N. Y. Air separator. 1,499,723; July 1.

Fraser, George H., Brooklyn, N. Y. Fluid-current separator. 1,499,724; July 1.

Fraser, George H., Brooklyn, N. Y. Fluid-current separator. 1,499,725; July 1.

Freund Bros. & Co. (See Freund, Max, assignor.)

Freund, Joseph A., Newtonville, Mass., assignor to The Keystone Watch Case Company, Philadelphia, Pa. Watch winding device. 1,499,609; July 1.

Freund, Max, assignor to Freund Bros. & Co., Inc., New York, N. Y. Vanity box. 1,499,361; July 1.

Friderichsen, Peter C. C., Independence, Mo. Heating system. 1,499,976; July 1.

Friedmann, Firm, Alex. (See Hajek, Otto, assignor.)

Friend, Thomas S., Chicago, Ill. Can. 1,499,919; July 1.

Frisk, Frederick, assignor to Frisk Manufacturing Company, San Francisco, Calif. Auto golf-bag carrier. 1,500,067; July 1.

Frisk Manufacturing Company. (See Frisk, Frederick, assignor.)

G. & G. Fixture Co., The. (See Walker, Ernest A., assignor.)

Gailor, Chester F., Brooklyn, N. Y., and C. H. Clark, Cleveland, Ohio. Railway-track construction. 1,499,767; July 1.

Gay, Ira A., Chicago, Ill. Cigar holder and ash receiver. 1,499,452; July 1.

Gemmer, George A., Newark, N. J. Vehicle spring. 1,499,768; July 1.

General Baking Company. (See Kolb, George O., assignor.)

General Electric Company. (See Macmillan, Campbell, assignor.)

General Electric Company. (See Schade, Paul, assignor.)

Gerace, Giuseppe, Lebanon, Pa. Ice-cream-cone-baking machine. 1,499,649; July 1.

Gibbs, Joshua, and C. M. Ingram, Porter, Okla. Game rack and shell pouch. 1,499,977; July 1.

Gillis & Geoghegan, Inc. (See Hayes, Charles, assignor.)

Gillman, Herbert A., et al., trustees. (See Ormond, John J., assignor.)

Gilmore, Alfred A., Preston, Ontario, Canada. Automatic ventilator. 1,499,978; July 1.

Gilmore, John L., Holdredge, Neb. Grain shocker. 1,499,726; July 1.

Ginn, Percy E. (See Bond, Charles L., assignor.)

Glass, Arnold F., Birmingham, Ala. Gas stove. 1,499,362; July 1.

Glaudel, George, Los Angeles, assignor of forty-two and one-half per cent to G. L. Mitchell, Santa Monica, and fifteen per cent to H. Miller, South Pasadena, Calif. Glass-plate holder. 1,499,575; July 1.

Glover, Ralph V., assignor of one-half to F. H. Mathes, Rochester, N. H. Automatic safety device for vehicles. 1,499,576; July 1.

Goble, Bert G., Tulsa, Okla. Artificial fish bait. 1,499,819; July 1.

Godden, Harry M., Jamaica Plain, assignor to Norfolk Iron Company, Norfolk Downs, Mass. Conveyer. 1,499,920; July 1.

Godefroy, Marcel, New York, N. Y. Fabricated beadwork. 1,499,769; July 1.

Goetz, Leo R., Wexford, Pa. Spark plug. 1,499,921; July 1.

Goldsmith, Byron B., New York, N. Y. Mechanical pencil. 1,499,610; July 1.

Goldsmith, Byron B., New York, N. Y. Smoker's pipe. 1,499,518; July 1.

Goodel, Edward G., Stevens Point, Wis. Extracting certain valuable constituents, as by-products, from the cooking liquors, derived from the production of wood pulp to be converted into paper. 1,499,363; July 1.

Goodman Manufacturing Company. (See Davis, Charles E., assignor.)

Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)

Goodman, Meyer, Brooklyn, N. Y. Combined table and ironing board. 1,500,068; July 1.

Goodrich, B. F., Company, The. (See Robertson, Samuel B., assignor.)

Goodrick, Edward W., Buffalo, N. Y. Cooking vessel. 1,499,364; July 1.

Gordon Electric Mfg. Co., The. (See Seltzer, Ira R., assignor.)

Gordon, John A., Kansas City, Mo. Air cleaner. 1,499,864; July 1.

Gossner, Joseph, New York, N. Y. Smoker's set. 1,499,650; July 1.

Gould, Courtie E., Clay, W. Va. Auger. 1,500,069; July 1.

Gooding, George E. (See Robinson, J. T., and Gooding.)

Graesser, Carl H. (See Heise, O. W., and Graesser.)

Grant, James. (See Atwell, L. E., Grant, and White.)

Gravell, James H., Elkins Park, Pa. Phosphoric acid in dehydrated form and making the same. 1,499,611; July 1.

Gray, Coleman M., Del Mar, Calif. Tuning device for wireless receiving circuits. 1,499,979; July 1.

Grebel, Stephen, Paris, France. Searchlight. 1,499,651; July 1.

Green, Fredrick M., assignor to Armstrong Siddeley Motors Limited, Park Side, Coventry, England. Framework for aircraft and other structures. 1,499,980; July 1.

Griesslieck, Robert J., St. Louis, Mo. Hood attachment for automobiles. 1,499,820; July 1.

Griffin, Percy M. (See Hynes, L. P., and Griffin.)

Griffin, Samuel P., North Judson, Ind. Clutch. 1,499,652; July 1.

Griffiths, David R., Langside, Glasgow, Scotland. Fastening means for securing fabric to a base of woodwork or other material. 1,499,821; July 1.

Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Cotton tramper. 1,500,070; July 1.

Groeger, John, Lincoln, Ill. Electric pencil sharpener. 1,499,519; July 1.

Gruenfeldt, Emil, Cleveland, Ohio. Electric-arc welding. 1,499,770; July 1.

Guenther, Arthur G. G., assignor to Signode System, Inc., Chicago, Ill. Box-strapping machine. 1,499,454; July 1.

Gumina, Angelo J. (See Hughes, Charles B., assignor.)

Gusdorf, Harold M., Indianapolis, Ind. Pulley. 1,499,520; July 1.

Gustafson, Adolph P., assignor to M. Schulz Company, Chicago, Ill. Drum. 1,500,095; July 1.

Gustus, John A., assignor to Detroit Butcher Supply Company, Detroit, Mich. Counter inclosure. 1,499,365; July 1.

Gutschow & Co., G. m. b. H. (See Reiss, Paul, assignor.)

Guy, Henry W., Kansas City, Mo. Automatic mail-box signal. 1,499,771; July 1.

Gwinn, George W., Brooklyn, and J. W. Leary, Hollis, N. Y., assignors to American Machine & Foundry Company. Stamp or label applying machine. 1,499,822; July 1.

H. S. & S. Manufacturing Co. (See Hartmann, Richard A., assignor.)

Habermann, Albert A. (See Neuner, M. J., and Habermann.)

Hadaway, William S., jr., New Rochelle, N. Y. Electric-arc furnace. 1,499,922; July 1.

Hadsel, Alvah D., assignor of one-half to F. N. Woods, jr., San Francisco, Calif. Impeller for rock crushers. 1,499,455; July 1.

Hagadorn, Emmett G., Buffalo, N. Y. Nutcracker. 1,499,653; July 1.

Hagemann Waldemar, Berlin-Litchterfelde, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Magnetic phonograph. 1,499,521; July 1.

Hajek, Otto, Vienna, Austria. Lubricating pump with sight feed. 1,500,071; July 1.

Hajek, Otto, assignor to the Firm Alex. Friedmann, Vienna, Austria. Lubricating device. 1,500,072; July 1.

Hall, Robert F., Moseley, near Birmingham, England. Machine for the manufacture of glass articles. 1,499,522; July 1.

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Hall, Robert F., Moseley, near Birmingham, England. Machine for the manufacture of glass articles. 1,499,526; July 1.

Hall, Samuel N. (See Layne, M. E., and Hall.)

Hall, Samuel N., assignor to M. E. Layne, Los Angeles, Calif. Clutch device for pumps. 1,499,923; July 1.

Hallborg, Henry E., Washington, D. C. High-speed signaling system. 1,499,865; July 1.

Hammer, Charles, Hollis Court Boulevard, N. Y. Glass container. 1,499,612; July 1.

Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)

Hancock, Joseph H., Scottsboro, Ala. Boll-weevil collector. 1,499,981; July 1.

Hansen Canning Machinerey Corporation. (See Hansen, Oswald H., assignor.)

Hansen, Oswald H., Fort Washington, Wis., assignor to Hansen Canning Machinery Corporation. Can-filling machine. 1,499,366; July 1.

Hanson, Bengt M. W., Hartford, Conn. Collet mechanism. 1,499,727; July 1.

Hanson, Bengt M. W., Hartford, Conn. Chuck. 1,499,728; July 1.

Hanson, Bengt M. W., Hartford, Conn. Screw-threaded-gauge device. 1,499,729; July 1.

Hanson, Bengt M. W., Hartford, Conn. Gauge instrument. 1,499,730; July 1.

Hanson, Bengt M. W., Hartford, Conn. Tolerance gauge for tapered threads. 1,499,731; July 1.

Hanson, Bengt M. W., Hartford, Conn. Chuck. 1,499,772; July 1.

Hanson, Bengt M. W., Hartford, Conn. Work driver for lathes. 1,499,773; July 1.

Harber, Laurence S. (See Baker, R. E., and Harber.)

Hargis, Harry W., Charlotte, N. C. Smoothing planes. 1,499,655; July 1.

Harper, Allen B., Tipton, Ind. Automatic railway signal. 1,499,982; July 1.

Harper, Neville C. T. (See Lamplough, F., and Harper.)

Harrison, Cecil B., assignor to H. S. Crocker Co., Inc., Los Angeles, Calif. Foldable posting tray. 1,499,527; July 1.

Hartman Brake Corporation. (See Hartman, Richard B., assignor.)

Hartman, Richard B., Cordell, Okla., assignor to Hartmann Brake Corporation. Brake band and lining. 1,499,528; July 1.

Hartman, Richard B., Cordell, Okla., assignor to Hartman Brake Corporation. Brake band and lining. 1,499,529; July 1.

Hartmann, Richard A., assignor to H. S. & S. Manufacturing Co., Hartford, Conn. Drill-press table. 1,499,456; July 1.

Haselherst, William, Baltimore, Md. Vehicle spring. 1,499,654; July 1.

Hass, Hans, Bergedorf, near Hamburg, Germany. Device for favorably guiding the propeller water of ships. 1,500,073; July 1.

Hatch, Harvey B. (See Nashlund, Axel, assignor.)

Hauseberg, Carl Brugg, assignor of one-half to "Ferrum" Giesserei & Maschinenfabrik, A. G., Rapperswil, Switzerland. Plaiting and braiding machine. 1,499,732; July 1.

Hausheer, Emil M., Schenectady, assignor to Mica Insulator Company, New York, N. Y. Machine for cutting tubular stock into continuous strips. 1,499,924; July 1.

Hayes, Charles, Brooklyn, assignor to Gillis & Geoghegan, Inc., New York, N. Y. Hoisting mechanism. 1,499,613; July 1.

Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. Re15,868; July 1.

Hegemann, Paul, Geneva, N. Y. Climbing shoe. 1,499,733; July 1.

Headson, Frank A., Milwaukee, Wis., assignor to Johns-Manville, Incorporated. Making heat-insulating coverings for pipes or similar articles and covering made thereby. 1,499,774; July 1.

Heidrich, Stephen L., Brooklyn, N. Y. Sleeper support. 1,499,983; July 1.

Heidrich, Stephen L., Brooklyn, N. Y. Support. 1,499,984; July 1.

Hein, Richard, Witkowitz, Czechoslovakia. Means for supporting the rolls of rolling mills. 1,499,656; July 1.

Heinzel, Joseph, Grantwood, N. J. Oil burner. 1,499,734; July 1.

Heise, Otto W., and C. H. Graesser, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Pressure gauge. 1,499,657; July 1.

Hejda, Joseph W., Virginia, Minn. Device for freeing points of a perforating rule from paper or any material being perforated. 1,499,457; July 1.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,499,775; July 1.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Fan and dial pendulum scale. 1,499,776; July 1.

Hemco Electric Manufacturing Company. (See McKinley, Benjamin P., assignor.)

Henderson, John W., Tunica, Miss. Truck. 1,499,330; July 1.

Henninger, Ludwig, assignor to Badische Maschinenfabrik & Eisengiesserei vorm. G. Sebold and Sebold & Neff, Durlach, Germany. Match-box-filling machine. 1,499,614; July 1.

Henter, Leo A., assignor to Nu-Comb Manufacturing Company, Hot Springs, Mont. Comb. 1,499,577; July 1.

Hera, Robert A., Connersville, Ind. Stop and check valve. 1,499,578; July 1.

Herr, Park A., Hillside, N. J., assignor to The Singer Manufacturing Company. Bobbin-winding machine. 1,499,925; July 1.

Herring, Frank D., assignor of one-half to J. W. Herring, Cuero, Tex. Thread cutter. 1,499,823; July 1.

Herring, John W. (See Herring, Frank D., assignor.)

Herrman, Paul E., New York, N. Y. Apparatus for hair waving. 1,499,367; July 1.

Herzog, C. J., et al. (See Loughridge, Howard R., assignor.)

Herzog, L. W., et al. (See Loughridge, Howard R., assignor.)

Hickey, James L., Milwaukee, Wis. Jack. 1,499,777; July 1.

Hill, George R., Michigan City, Ind. Envelope. 1,500,074 July 1.

Hinckley, Frank C. (See Roberts, T. C., and Hinckley.)

Hipp, Charles H., Camp Lewis, Wash., and S. L. Kiser, Hutchinson, Kans. Glare shield for headlights. 1,500,075; July 1.

Höchstädter, Martin, 's Gravenhage, assignor to N. V. Lyn-Protectie, The Hague, Netherlands. Means for indicating and disconnecting defective branches from electric-current network. 1,499,368; July 1.

Hodges, Edward G., Milwaukee, Wis. Carburetor. Re15,869; July 1.

Hoeregott, Carl M., Alvin, Tex. Cultivator sweep. 1,499,531; July 1.

Hoff, Carlton L., York, Pa. Tread grip. 1,499,779; July 1.

Hoffay, Joseph, New York, N. Y. Phonograph reproducer. 1,499,658; July 1.

Holland, Andrew W., Sherborn, Mass., assignor, by mesne assignments, to Walter M. Lowney Company. Candy package. 1,499,369; July 1.

Holland, Irene K., et al., executors. (See Boonzaier, Wilhelm G.)

Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery plate and process of making same. 1,500,076; July 1.

Holmes, Frederick J., assignor of one-third to S. H. Foster, Toledo, Ohio. Clutch mechanism. 1,499,659; July 1.

Holmgren, Torsten A. F., Stockholm, Sweden. Electrical heat treatment of material. 1,499,615; July 1.

Hooper, Logan H. (See Murray, R. A., and Hooper.)

Houdaille, Maurice, Levallois-Perret, France. Liquid shock absorber. 1,499,660; July 1.

Howe, Fred M., Wellsboro, Pa. Piston ring. 1,499,580; July 1.

Huber, Charles J., Baltimore, Md. Furnace. 1,499,732; July 1.

Hughes, Charles B., assignor of one-half to A. J. Gumina, New Orleans, La. Crutch. 1,499,458; July 1.

Hughes Tool Company. (See Fletcher, Harold W., assignor.)

Huhn, John. (See Clark, B. J., and Huhn.)

Hull, Clarence E., Santa Barbara, Calif. Internal-combustion engine. 1,499,824; July 1.

Hunt, John O., Brooklyn, N. Y., assignor, by mesne assignments, to Independent Paper Mills Inc. Sheet of folded material. 1,499,926; July 1.

Huntington, Spencer H., Kerrville, Tex. Coding device. 1,500,077; July 1.

Hurst, George S., assignor to The J. B. Williams Company, Glastonbury, Conn. Advertising display screen. 1,499,661; July 1.

Hurst, George S., assignor to The J. B. Williams Company, Glastonbury, Conn. Advertising display device. 1,499,927; July 1.

Hutt, Albert E., Aromore, Pa. Valve-stem silencer. 1,499,928; July 1.

Hydraulic Steel Company, The. (See Klaus, F. R., and Kranz, assignors.)

Hymans, Frederick. (See Lindquist, D. L., and Hymans.)

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Car-door-operating mechanism. 1,499,735; July 1.

Hynes, Lee P., and P. M. Griffin, assignors to Consolidated Car-Heating Company, Albany, N. Y. Safety switch. 1,499,736; July 1.

Hyslop, Samuel, Newton, Mass. Thread clearer. 1,499,9-9; July 1.

Ikerman, Frederick, et al. (See Ikerman, Wayne E., assignor.)

Ikerman, Wayne E., assignor of forty one-hundredths to B. Reinike and five one-hundredths to F. Ikerman, Long Beach, Miss. Aerial train. 1,499,825; July 1.

Independent Paper Mills Inc. (See Hunt, John O., assignor.)

Industrial Research Corporation. (See Eichenberg, William J., assignor.)

Ingersoll Milling Machine Company, The. (See Sproul, William C., assignor.)

Ingram, Clifton M. (See Gibbs, J., and Ingram.)

Inland Steel Company. (See Jones, Harold C., assignor.)

International Derrick & Equipment Company. (See Bloss, Richard R., assignor.)

International Nitrogen Co. (See Reid, James H., assignor.)

International Silver Company. (See Leech, John, assignor.)

Ives, Frederic E., Philadelphia, Pa. Photographic process. 1,499,930; July 1.

Jackson & Church Company. (See Church, E. D., and Van Brunt, assignors.)

Jacobson, Edward B., Pittsfield, Mass. Induction or ignition coil. 1,499,931; July 1.

Jacobson, Sidney D., New York, N. Y. Antiskidding device. 1,499,932; July 1.

James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Push-button switch. 1,499,370; July 1.

Jenkins, D. C., Glass Company. (See Adams, Edwin B., assignor.)

Johns-Manville, Incorporated. (See Headson, Frank A., assignor.)

Johns-Manville Incorporated. (See Pilliod, Frederic L., assignor.)

Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heating apparatus. 1,499,616; July 1.

Johnson, Carroll C., Hickman Mills, Mo. Statuette. Des. 65,060; July 1.

Johnson, John, Iron River, Mich. Dump car. 1,499,459; July 1.

Jointless Firebrick Co. (See Schaefer, William A. L., assignor.)

Jolls, Le Roy E., assignor to Packard Motor Car Company, Detroit, Mich. Grinding. 1,500,078; July 1.

Jones, Corwin S. (See Landahl, E. E., and Jones.)

Jones, Harold C., assignor to Inland Steel Company, Chicago, Ill. Metallic fencepost. 1,499,933; July 1.

Jubé, Louis, Paris, France. Valveless suction and force syringe. 1,499,662; July 1.

Kaiser, William O., Oakland, Calif. Lock for valves. 1,499,663; July 1.

Kalamazoo Paper Box Company. (See Distin, Edward H., assignor.)

Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fire-control arrangement. 1,499,664; July 1.

Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Universal joint. 1,499,371; July 1.

Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company. Reduction gearing. 1,499,617; July 1.

Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company. Shaft coupling. 1,499,618; July 1.

Kassabaum, Charles H., Atchison, Kans. Nail. 1,499,826; July 1.

Katzenmeyer, John A., Ellwood City, Pa. Reducing cylindrical bodies. 1,499,533; July 1.

Katzenmeyer, John A., Ellwood City, Pa. Reducing cylindrical bodies. 1,499,534; July 1.

Katzenmeyer, John A., Ellwood City, Pa. Manufacturing tubes and a continuous mill therefor. 1,499,535; July 1.

Kauffman, Charles W., Kansas City, Mo. Radiator-cap ornament. Des. 65,061; July 1.

Kaufman, Jonas, New Castle, Pa. Collapsible rubbish burner. 1,499,665; July 1.

Kee, Green T., Kansas City, Mo. Clothes drier. 1,500,094; July 1.

Keller, John R., Glenshaw, Pa. Bowl or similar article. Des. 65,062; July 1.

Kellermann, Jacques, by J. Kellermann, geb. Schmul, conservatrix, Berlin, Germany. Toy pistol. 1,500,079; July 1.

Kellermann, Johanna, geb. Schmul, conservatrix. (See Kellermann, Jacques.)

Kelly, Moyne L., Waco, Tex. Disk-plow mounting. 1,499,536; July 1.

Kelvinator Corporation. (See Kolbe, Frederick H., assignor.)

Kennedy, Hugh A., Newport, Wash. Bearing for rifles. 1,499,460; July 1.

Kennedy, John J., Chicago, Ill. Automatic stop for sound-reproducing machines. 1,499,666; July 1.

Kernaul, Rudolph, Pullman, Mich. Attachment for lamp chimneys. 1,499,372; July 1.

Key, Orville E., Little York, Ill. Timing device for internal-combustion engines. 1,499,737; July 1.

Keystone Watch Case Company, The. (See Freund, Joseph A., assignor.)

Kibele, Otto B., Los Angeles, Calif. Rotary well-boring pipe coupling. 1,499,581; July 1.

Kiefer, Kenneth H., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Bottle-capping machine. 1,499,619; July 1.

Kies, Fred C., Moscow, Mich. Combined tire-chain tightener and fastener. 1,499,667; July 1.

King, Frank B., Wakefield, Mass. Chain hook. 1,499,738; July 1.

King, Walter G., and F. E. Maynard, Brisbane, Queensland, Australia. Lath blind. 1,499,827; July 1.

Kinsey, Al., Longfellow, assignor of one-half to O. E. Schupbach, Sanderson, Tex. Pipe clamp. 1,499,828; July 1.

Kirk, Kittie M., Minneapolis, Minn. Doll. Des. 65,063; July 1.

Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Sheet steel article and making same. 1,499,985; July 1.

Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Channeled strip such as curtain rods or the like. 1,499,986; July 1.

Kirsch Manufacturing Company. (See Kirsch, Charles W., assignor.)

Kiser, Sherman L. (See Hipp, C. H., and Kiser.)

Klaus, Fred R., and H. W. Kranz, Cleveland, Ohio, assignors to The Hydraulic Steel Company. Automobile wheel rim. 1,499,739; July 1.

Klein, Benjamin W., Mount Vernon, N. Y. Power-transmission device. 1,499,934; July 1.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Candlestick. Des. 65,064; July 1.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting-fixture bracket. Des. 65,065; July 1.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Dining-room lighting fixture. Des. 65,066; July 1.

Kloppenburg, Carolus A., Tjepoe, Dutch East Indies, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Process and device for preparing alcohols and aldehydes from hydrocarbons. 1,500,080; July 1.

Knickerbocker Case Company. (See Labadie, H. H., Beers, and Brand, assignor.)

Knight, Frank, Cuckfield, England. Chicken hover, brooder, or foster mother. 1,500,081; July 1.

Knight, Frederick T. (See Sargent, Nelson, assignor.)

Koch, Bert V., St. Paul, Minn. Display stand. Des. 65,067; July 1.

Kohlhase, Frank L. (See Wyzenbeck, Andrew, assignor.)

Kohse, Otto, Chehalis, Wash. Stump burner. 1,499,373; July 1.

Kolb, George O., West Hartford, Conn., assignor to General Baking Company, New York, N. Y. Wrapping paper. Des. 65,068; July 1.

Kolb, Louis J. (See Shuman, Victor, assignor.)

Kolbe, Frederick H., Detroit, Mich., assignor to Kelvinator Corporation, Wilmington, Del. Compressor for refrigerating machinery. 1,499,740; July 1.

Kops Brothers. (See Kops, Waldemar, assignor.)

Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Apparel garment. 1,499,935; July 1.

Kotowski, Frank, Ensley, Ala. Rivet-setting tool. 1,499,668; July 1.

Kozlay, Clarence V., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 65,069; July 1.

Krantz, Hubert K., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch-box. 1,499,374; July 1.

Kranz, Harry W. (See Klaus, F. R., and Kranz.)

Kreutzer, George A., and K. L. Long, Lincoln, Nebr.; N. C. Long executrix of said K. L. Long, deceased; said Kreutzer assignor to N. C. Long. Commutator. 1,499,829; July 1.

Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Braiding machine. 1,499,830; July 1.

Krueger, August H., Luray, Kans. Tractor hitch. 1,499,669; July 1.

Kruppa, Anthony J., Chicago, Ill. Air vent. 1,499,461; July 1.

Kuhn, Evelyn L., Brooklyn, assignor to The White Tar Company, New York, N. Y. Mortuary candle. Des. 65,070; July 1.

Kuhn, Evelyn L., Brooklyn, assignor to The White Tar Company, New York, N. Y. Mortuary candle. Des. 65,071; July 1.

Kuno, Shichigoro, Denver, Colo. Frying pan. 1,499,670; July 1.

Kurkowski, Joseph, Pittsburgh, Pa. Tie-plate machine. 1,499,537; July 1.

Kurnick, Peter E., San Francisco, Calif. Couch armchair. 1,499,831; July 1.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,499,936; July 1.

Labadie, Harry H., B. B. Beers, and W. M. Brand; said Beers and Brand assignors of their entire interest to Knickerbocker Case Company, Chicago, Ill. Sample case. 1,499,741; July 1.

Lacy, John H., Boston, Mass. Automobile brake guard. 1,499,375; July 1.

Lacy, John H., Boston, Mass. Automobile brake guard. 1,499,376; July 1.

Lacy, John H., Boston, Mass. Automobile brake guard. 1,499,377; July 1.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Retractable pipe support. 1,499,620; July 1.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Mechanism for drawing cast pipes from molds. 1,499,621; July 1.

Lagulonie, Joseph, Paris, France. Typewriting machine. 1,499,582; July 1.

Lake, Simon, Milford, Conn. Submersible vessel for navigation under ice. 1,500,000; July 1.

Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Positively-actuated clutch for washing machines. 1,499,742; July 1.

La Moree, James H., deceased, Portland, Oreg.; W. M. La Moree, administratrix, and C. A. Bell, administrator, assignors of one-third to W. M. La Moree and of two-thirds to W. M. La Moree, trustee for H. M. La Moree and A. E. La Moree. Friction clutch. 1,499,538; July 1.

La Moree, Winnie M., administratrix. (See La Moree, James H.)

La Moree, Winnie M., trustee. (See La Moree, James H., assignor.)

Lamplough, Frederick, Feltham, England, and N. C. T. Harper, Durban, Natal, South Africa. Retort or still. 1,499,378; July 1.

Landahl, Eugene E., Oak Park, and C. S. Jones, Maywood, assignors to The Webster Manufacturing Company, Chicago, Ill. Conveying apparatus. 1,499,832; July 1.

Landers, Frary & Clark. (See Curtiss, George E., assignor.)

Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)

Landon, Ernest E., Washington, D. C. Sounding toy. 1,499,539; July 1.

Landreth, Clarence P. (See Moerk, Frank N., assignor.)

Landsdale Silk Hosiery Co. (See Mendelsohn, Edward, assignor.)

Lang, James S., Watertown, Mass. Shock absorber. 1,499,379; July 1.

Langdon-Davies, Walter, and A. Soames, London, England. Electric-current regulator. 1,500,082; July 1.

Lanphere, Frank L., Salina, Kans. Treating trees. 1,499,671; July 1.

Larkin, Walter, assignor to H. Brinton Company, Philadelphia, Pa. Yarn changer. 1,500,083; July 1.

Larmignat, René, Paris, France. Hauling windlass for the loading of vehicles. 1,499,380; July 1.

Larsen, Lars, T. 132 N., R. 106 W. of the fifth principal meridian, N. Dak. Fluid-current motor. 1,499,462; July 1.

Larson, Frederick J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Reversing mechanism for thread-milling machines. 1,499,381; July 1.

Lawton, Mark A., Newton, Mass. Locking closure for containers. 1,499,988; July 1.

Layne, Mahlon E. (See Hall, Samuel N., assignor.)

Layne, Mahlon E., Los Angeles, Calif. Well screen. 1,499,382; July 1.

Layne, Mahlon E., and S. N. Hall, Los Angeles, Calif.; said Hall assignor to said Layne. Well mechanism. 1,499,383; July 1.

Lea, William C., Los Angeles, Calif. Window construction. 1,499,540; July 1.

Leary, James W. (See Gwinn, G. W., and Leary.)

Lease, Warren R., Wyoming, Pa. Match-box holder. 1,500,084; July 1.

Leathers, Ward, Haworth, N. J. Vacuum cleaner for inclosed passenger vehicles. 1,499,937; July 1.

Leavitt, James Q., Ogden, Utah. Tomato corer. 1,500,085; July 1.

Lederer, David A. (See Ullman, L. M., and Lederer.)

Lee, Henry B., assignor to The D. E. Whiton Machine Co., New London, Conn. Direct-reading pressure-difference indicator. 1,499,384; July 1.

Leech, John, assignor to International Silver Company, Bridgeport, Conn. Spoon or similar article. Des. 65,072; July 1.

Leedom, Randolph, Clifton, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Earth-boring machine. 1,499,938; July 1.

Lehmann, Franz, Altstetten, Switzerland. Vise for use with machine tools. 1,499,989; July 1.

Leis, Roland, Francesville, Ind. Furniture polish. 1,499,463; July 1.

Leister, William P., et al. (See Dorn, C. C., Smith, and Leister.)

Lennox Chemical Company, The. (See Miller, M. P., and Reche, assignors.)

Leroy, Jules, La Garenne Colombes, Seine, France. Construction of stuffing boxes for revolving shafts of all kinds, and especially of turbine shafts and the like. 1,499,583; July 1.

Lewis Manufacturing Company. (See Sewall, Dana O., assignor.)

Lezert, Erastus A., Cincinnati, Ohio. Amusement device. 1,499,672; July 1.

Libbey-Owens Sheet Glass Company, The. (See Moller, John H., assignor.)

Libbey-Owens Sheet Glass Company, The. (See Rowley, Clifford A., assignor.)

Lichte, Heinrich, Berlin, Germany, assignor to Dura Film Protector Co., New York, N. Y. Method of and device for applying a protective layer to films. 1,499,833; July 1.

Liebender, Gottlieb, Oelsnitz, Germany. Manufacture of chenille preliminary fabrics. 1,500,086; July 1.

Linders, William Z., assignor to Northwestern Machine Corporation, St. Louis, Mo. Shaft-turning tool. 1,499,939; July 1.

Lindquist, David L., Hartsdale, White Plains, and F. Hymans, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Car-leveling apparatus. 1,499,385; July 1.

Litchfield, Isaac W., Newtonville, Mass. Tool for drilling or boring metals. 1,499,584; July 1.

Litton, Everett, Woodhull, Ill. Distance control mechanism for tractors. 1,499,990; July 1.

Lobl, Frederick, Middleboro, Mass. Nail clipper. 1,499,673; July 1.

Long, Kenneth L. (See Kreutzer, G. A., and Long.)

Long, Natalie C. (See Kreutzer, G. A., and Long, assignors.)

Long, Natalie C., executrix. (See Kreutzer, G. A., and Long.)

Long, Ramon, New York, N. Y., assignor to American Liquolift Corporation. Chain pump. 1,499,386; July 1.

Long, Ramon, New York, N. Y., assignor to American Liquolift Corporation. Chain pump. 1,499,387; July 1.

Louden, Henry W., jr., Beaumont, Tex. Drill. 1,499,991; July 1.

Loughridge, C. H., et al. (See Loughridge, Howard R., assignor.)

Loughridge, Howard R., assignor of one-tenth to W. B. McCrory, Pittsburgh, two-tenths to C. J. Herzog, Wilkinsburg, Pa., two-tenths to L. W. Herzog, Troy, N. Y., two-tenths to C. H. Loughridge, Cleveland, Ohio, and one-tenth to N. F. Loughridge, Pittsburgh, Pa. Conveying apparatus. 1,499,778; July 1.

Loughridge, N. F., et al. (See Loughridge, Howard R., assignor.)

Lovejoy, Ralph M., Boston, Mass. Antifriction bearing mechanism for spring shackles. 1,499,388; July 1.

Lowe, Dea G., et al. (See Renstrom, George A., assignor.)

Lowney, Walter M., Company. (See Holland, Andrew W., assignor.)

Lownes, Owen H., Woodridge, N. J., assignor to American Telephone and Telegraph Company. Transmission-regulating circuits. 1,499,464; July 1.

Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)

Lutz, William H., Sugar Grove, Ohio. Shears. 1,500,024; July 1.

Lux, Henry A., Brooklyn, N. Y. Thermostat for type-casting machines. 1,499,834; July 1.

Lynch, Gilbert W., Morgantown, W. Va. Explosion-engine piston. 1,499,992; July 1.

Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Power system. 1,499,542; July 1.

Main-Cook Manufacturing Company, The. (See Cook, Orval G., assignor.)

Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Plaster lath. 1,499,465; July 1.

Mandel, Alexander S., New York, N. Y. Soda-water fountain. 1,499,466; July 1.

Maney, Thomas, Louisville, Ky. Guard-rail fixture for railway tracks. 1,500,087; July 1.

Manuing, Maxwell & Moore, Inc. (See Heise, O. W., and Graesser, assignors.)

Manning, Maxwell & Moore, Inc. (See Williston, B. T. and Eddy, assignors.)

Manning, Maxwell & Moore, Inc. (See Williston, Belvin T., assignor.)

Manu, John, Detroit, Mich. Pattern construction for the numbering of castings. 1,499,744; July 1.

Marcé, Jean J. P., Paris, France. Heating device for explosion motors. 1,499,586; July 1.

Marette, Jacques, Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Cinematographic band. 1,499,941; July 1.

Markwalder, Hermann, Wurenlos, Switzerland. Disk commutator for electro motors and dynamos. 1,499,622; July 1.

Markey, Peter L., Chicago, Ill. Necktie holder. 1,499,389; July 1.

Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bias-cutting machine. 1,499,676; July 1.

Martin, Harry S. (See Willett, A. H., and Martin.)

Martin, Ira V. (See Pine, W. B., and Martin.)

Martin, James M., Hartley, assignor of one-half to W. S. Capeheart, Vandervoort, Ark. Wire stretcher. 1,499,993; July 1.

Marx, Laurence, New Rochelle, assignor to Cohn-Hall-Marx Co., New York, N. Y. Special textile-fabric package. 1,499,994; July 1.

Mason, John M., North Williamstown, Victoria, Australia. Piston for use in cylindrical valve chambers and cylinders. 1,499,677; July 1.

Mathes, Fannie H. (See Glover, Ralph V., assignor.)

Matheson, Kenneth J., Washington, D. C., dedicated, by mesne assignments, to the People of the United States of America. Manufacturing Swiss cheese. 1,499,390; July 1.

Mathieu, Marius, Paris, France. Automatic weighing apparatus. 1,499,623; July 1.

Maurer, Herman W., Cleveland, Ohio. Folding partition. 1,499,678; July 1.

Mayer, Alvin L., Long Island City, N. Y. Lantern slide. 1,500,025; July 1.

Maynard, Farnham E. (See King, W. G., and Maynard.)

McCarroll, Walker W., New Haven, Conn. Platen for stereotype drying tables. 1,499,779; July 1.

McCarthy, John J., Middleboro, Mass. Pipestem cleaner. 1,499,541; July 1.

McComish, John J., New York, N. Y., assignor of one-third to F. J. Reinecke, Hoboken, N. J. Penholder. 1,499,940; July 1.

McCool, John, Lilly, Pa. Mine-car brake. 1,499,674; July 1.

McCoy, Elijah, assignor to E. C. Nagel, Detroit, Mich. Lubricator. 1,499,468; July 1.

McCrory, W. B., et al. (See Loughridge, Howard R., assignor.)

McCrosky Tool Corporation. (See Skeel, Lewis, assignor.)

McDonald, George E., and T. E. Traynor, Jersey City, N. J. Fire extinguisher. 1,499,866; July 1.

McDougal, Donald J., Ottawa, Ontario, Canada. Automobile suspension. 1,499,675; July 1.

McDowell, Edward C. (See Sherman, C. W., and McDowell.)

McGrath, William H., Roselle Park, assignor of forty-nine per cent to W. Brogan, Elizabeth, N. J. Boiler. 1,499,585; July 1.

McKinley, Benjamin P., Brooklyn, assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y. Combined lamp-socket cluster and connection plug. Des. 65,073; July 1.

McLaren, William W., Birmingham, Ala. Automobile wheel. 1,499,835; July 1.

McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Coal chute. 1,499,469; July 1.

McNamara, Matthew J., assignor of one-half to J. R. Fleming, Scranton, Pa. Railway-guard-rail supplement. 1,499,743; July 1.

McNulty, Gregory F. (See Snyder, F. C., Steen, and McNulty.)

Mead, Clarence F., Los Angeles, Calif. Differential mechanism. 1,499,467; July 1.

Megary, Charles T. (See Megary, Harry H. and C. T.)

Megary, Harry H. and C. T., New York, N. Y. Folding couch. 1,499,745; July 1.

Meister, Andrew G., Copeland, Kans. Metal feed-trough end. 1,499,543; July 1.

Mélotte, Alfred, Remicourt, Belgium. Cream separator. 1,499,391; July 1.

Melton, John L., Portsmouth, Va. Pneumatic vehicle tire. 1,499,392; July 1.

Mendelsohn, Edward, New York, N. Y., assignor to Lansdale Silk Hosiery Co., Inc., Lansdale, Pa. Treating silk stockings. 1,500,026; July 1.

Merritt, Charles W., assignor to J. R. Earle, jr., Walhalla, S. C. Quill-can support. 1,499,995; July 1.

Mettras, Alexander, De Beque, Colo. Rail joint. 1,499,836; July 1.

Meyer, William, Gladbrook, Iowa. Cement-block-making machine. 1,499,587; July 1.

Mica Insulator Company. (See Hausheer, Emil M., assignor.)

Michie, David, Irwin, Pa. Electric iron. 1,499,746; July 1.

Middelboe, Kristian, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Grinding machine. 1,499,624; July 1.

Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Machine for applying endless bands to ring cores. 1,499,679; July 1.

Miller, Herman, et al. (See Glaudel, George, assignor.)

Miller, Max P., and M. F. Roche, assignors to The Lennox Chemical Company, Cleveland, Ohio. Making nitrous oxide. 1,499,544; July 1.

Miller, Rebekah D., New York, N. Y. Doll. Des. 65,074; July 1.

Miller, Rebekah D., New York, N. Y. Doll. Des. 65,075; July 1.

Miller, William C. J., and V. P. Rumely, Detroit, Mich. Setting fasteners. 1,499,625; July 1.

Mills, William S., and H. E. Bisaillon, Bridgeport, Conn. Stop-motion device. 1,499,867; July 1.

Mills, William S., and H. E. Bisaillon, Bridgeport, Conn. Stop-motion device. 1,499,868; July 1.

Milwaukee Gas Specialty Company. (See Claus, Emil L., assignor.)

Milwaukee Tank Works. (See Bienenstok, Edgar A., assignor.)

Miner, William H. (See Dorey, George B., assignor.)

Minerals Separation North American Corporation. (See Price, Frederick G., assignor.)

Mitchell, George L., et al. (See Glaudel, George, assignor.)

Mittel, Henry, Sonora, Tex. Float valve. 1,499,837; July 1.

Moerk, Frank N., assignor of one-half to C. P. Landreth, Philadelphia, Pa. Method of and apparatus for treating nitrogenous waste materials. 1,499,626; July 1.

Moller, John H., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Cracking-off device for sheet glass. 1,499,393; July 1.

Moore, Mary A., Hayden Lake, Idaho. Hand cleaner. 1,499,594; July 1.

Morch, Anthony, Brooklyn, N. Y. Battery. 1,500,027; July 1.

Morehead, James F., Wytheville, Va. Drill attachment. 1,499,680; July 1.

Morin, Frank A., Lewiston, Me., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Winding machine. 1,499,681; July 1.

Morrison, Francis G., Washington, D. C. Card container. 1,500,028; July 1.

Muehleisen, Adolph and G. C., San Diego, Calif. Tent-supporting apparatus. 1,499,395; July 1.

Muehleisen, Glover C. (See Muehleisen, Adolph and G. C.)

Mueller, Henry, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Apparatus for feeding pulverized fuel. 1,499,396; July 1.

Müller, Carl J. (See Thiess, K., and Müller.)

Mullinix, Elmer E., Burlington, Kans. Fire escape. 1,499,588; July 1.

Murphy, Bertrand P., Donnybrook, N. Dak. Dumping mechanism. 1,499,682; July 1.

Murray, George C., Chicago, Ill. Filler block for draft-gear yokes. 1,499,942; July 1.

Murray, Richard A., and L. H. Hooper, Muskogee, Okla. Classification box. 1,499,838; July 1.

Myers, Solomon B., assignor to American Cement Tile Manufacturing Company, Pittsburgh, Pa. Roofing tile. 1,499,397; July 1.

Myers, Solomon B., assignor to American Cement Tile Manufacturing Company, Pittsburgh, Pa. Tile roofing. 1,499,398; July 1.

N. V. Lyn-Protectie. (See Höchstädter, Martin, assignor.)

Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Kloppenburg, Carolus A., assignor.)

Nagel, Edwin C. (See McCoy, Elijah, assignor.)

Nalsmith, William G., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Throttle valve. 1,499,470; July 1.

Nashlund, Axel, assignor of one-half to H. B. Hatch, Marquette, Mich. Muffler. 1,499,683; July 1.

National Aniline & Chemical Co. (See Bissell, Don W., assignor.)

National Assorting Company. (See Cox, George W., jr., assignor.)

National Brake & Electric Company. (See Beckwith, Raymond A., assignor.)

National Carbon Company. (See Chaney, Newcomb K., assignor.)

Navin, Frank, Los Angeles, Calif. Method and apparatus for extracting oil from wells. 1,499,589; July 1.

Nelson, Otto, Hollywood, Calif. Soft-tire alarm. 1,499,590; July 1.

Neuner, Martin J., and A. A. Habermann, North Bergen, N. J. Ignition indicating and detecting device. 1,500,088; July 1.

New Haven Clock Co. (See Porter, Wilson E., assignor.)

Nichols, John C., Sheboygan, Wis. End buckle. 1,499,747; July 1.

Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,499,545; July 1.

Nicholson, Victor R., Colchester, England. Flow meter. 1,499,839; July 1.

Niles-Bement-Pond Company. (See Sears, W. T., and Rausch, assignors.)

Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)

Nolet, Wilfrid, Montreal, Quebec, Canada. Mop. 1,499,684; July 1.

Nordin, Josef A., assignor to Aktiebolaget Stille-Werner, Stockholm, Sweden. Friction lock for meat holders in meat-slicing machines. 1,499,685; July 1.

Norfolk Iron Company. (See Godden, Harry M., assignor.)

North American Lace Company. (See Dandy, Marc H., assignor.)

Northrup, William, Middleport, N. Y. Towline take-up. 1,499,686; July 1.

Northwestern Machine Corporation. (See Linders, William Z., assignor.)

Norwalk Tire & Rubber Company, The. (See Russell, W. F., and Stevens, assignors.)

Novelty Products, Inc. (See Winder, Samuel E., assignor.)

Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Circuit breaker. 1,500,089; July 1.

Nu-Comb Manufacturing Company. (See Henter, Leo A., assignor.)

Oberlander, Felix R., Salt Lake City, Utah. Safety switch box. 1,499,996; July 1.

O'Connell, Patrick P., St. James, Minn. Pneumatically-operated railway gate. 1,499,687; July 1.

Ohler, Albert A., Painesville, Ohio. Indicator for alarm clocks. 1,499,399; July 1.

Oliver, Harry C., Naperville, Ill. Handle. 1,500,029; July 1.

Olson, William A. (See Peck, L. H., and Olson.)

Oprean, Sabin, New York, N. Y. Roasting coffee. 1,499,780; July 1.

Ormond, John J., et al., trustees. (See Ormond, John J., assignor.)

Ormond, John J., Mattapan, Boston, Mass., assignor to J. J. Ormond, J. J. Callahan, and H. A. Gillman, as trustees of The Ormond Multicolor Printing Company. Method and apparatus for printing multicolor optical slides. 1,499,997; July 1.

Ormond, John J., Mattapan, Boston, Mass., assignor to J. J. Ormond, J. J. Callahan, and H. A. Gillman, as trustees of The Ormond Multicolor Printing Company. Method of and machine for printing by transfer. 1,499,998; July 1.

Oswald, Alfred E., Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Exhibition device. 1,499,400; July 1.

Otis Elevator Company. (See Lindquist, D. L., and Hymans, assignors.)

Ott, Harvey N., assignor to Spencer Lens Co., Buffalo, N. Y. Microscope. 1,500,030; July 1.

Oxley, Arthur E., assignor to The British Cotton Industry Research Association, Didsbury, Manchester, England. Testing machine. 1,499,546; July 1.

Oxley, Herbert D., Chicago, Ill. Continuous brine purifier. 1,500,096; July 1.

Packard Motor Car Company. (See Jolls, Le Roy E., assignor.)

Packer, Alonzo E., New Philadelphia, Ohio. Combined shade roller and curtain pole bracket. 1,499,401; July 1.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 65,076; July 1.

Paine, Arthur P., assignor to Winchester Repeating Arms Company, New Haven, Conn. Handlamp. 1,499,591; July 1.

Palmer, Guillermo D., and J. F. Castillo, Buenos Aires, Argentine. Luminous reflection sign. 1,499,688; July 1.

Papouchis, Christ, Far Rockaway, N. Y. Game apparatus. 1,499,748; July 1.

Parker, Elo E. (See Ruhmann, G. C., and Parker.)

Parker, George A., assignor to Brunner Manufacturing Company, Utica, N. Y. Safety or relief valve. 1,499,840; July 1.

Pathe Cinema, Anciens Etablissements Pathe Freres. (See Marette, Jacques, assignor.)

Peale, Rembrandt. (See Davis, Kenneth, assignor.)

Peck, Lewis H., and W. A. Olson, Delta, Utah. Ore concentrator. 1,499,471; July 1.

Peerless Manufacturing Company. (See McMinn, John E., assignor.)

Penn, John F., Baltimore, Md. Aeroplane. 1,499,943; July 1.

People of the United States of America. (See Matheson, Kenneth J.)

Pepper, William A., Tulsa, Okla. Insect trap. 1,499,841; July 1.

Perkins, Alonson D., New York, N. Y. Windshield for automobiles. 1,499,869; July 1.

Persons, Lawrence M., Quincy, Ill., assignor, by mesne assignments, to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Motor-starting switch. 1,499,842; July 1.

Petersen, Fred, Longmont, Colo. Plowpoint. 1,499,402; July 1.

Peterson, Herbert A. R., Mankato, Minn. Valve-spring lifter. 1,499,843; July 1.

Pfeiffer, Christian. (See Tansley, G. H., and Pfeiffer.)

Pflueger, Charles T., and W. L. Adams, assignors to The Enterprise Manufacturing Company, Akron, Ohio. Artificial bait. 1,499,689; July 1.

Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)

Phillips, Jack, New York, N. Y. Auxiliary air intake for internal-combustion engines. 1,500,031; July 1.

Phillips, Percy G., Rye, N. Y. Garment clamp and the like. 1,499,592; July 1.

Pickering, Samuel, Bellevue, Wash. Driving mechanism for geared locomotives. 1,499,870; July 1.

Pillod, Frederic L., Plainfield, N. J., assignor to Johns-Manville, Incorporated. Pipe covering and making same. 1,499,781; July 1.

Pine, William B., and I. V. Martin, Okmulgee, Okla. Pumping equipment for wells. 1,499,690; July 1.

Pinto, George. (See Williamson, L. A., and Pinto.)

Pitney, Arthur H., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn. Postmark stamp. Des. 65,077; July 1.

Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
Poehner, Conrad, Cincinnati, Ohio. Ventilating window. 1,500,032; July 1.
Pollman, Arthur, New York, N. Y. Toy horse. 1,500,033; July 1.
Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio. Weighing mechanism. 1,499,782; July 1.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Clock. 1,499,783; July 1.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,499,871; July 1.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. System and device for battery charging. 1,500,034; July 1.
Pratt, Hazen C., Cambridge, Mass. Airplane landing mechanism. 1,499,472; July 1.
Pratt & Whitney Company. (See Larson, Frederick J., assignor.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 1,499,944; July 1.
Pressley, Ernest M., Kansas City, Mo. Individual coffee maker. Des. 65,078; July 1.
Price, Albert O., Coshocton, Ohio. Radiocabinet. Des. 65,079; July 1.
Price, David, Buffalo Center, Iowa. Flower box. 1,499,473; July 1.
Price, Frederick G., London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Treatment of coal. 1,499,872; July 1.
Price, Ralph H., Crooksville, Ohio. Crank. 1,499,474; July 1.
Priem, Paul, Heidenheim A. Brenz, Germany, assignor to American Voith Contact Company, New York, N. Y. Machine for grinding wood into pulp. 1,499,547; July 1.
Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,499,403; July 1.
Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,499,404; July 1.
Prince John H., Valliant, Okla. Turbine water wheel. 1,499,475; July 1.
Probst, William F. (See Cohn, M., and Probst.)
Quinan, George E., Seattle, Wash. Means indicating average rate flow of energy. 1,499,476; July 1.
Radiant Lighting Fixture Co. (See Bohl, Hugo E., assignor.)
Ramelow, Henry, Springfield, Ill. Trolley harp and means for effectively operating the same. 1,499,548; July 1.
Rand, James H., North Tonawanda, N. Y. Index. 1,500,035; July 1.
Ratigan, James P., Los Angeles, Calif. Crosshead. 1,499,549; July 1.
Rausch, Roswell H. (See Sears, W. T., and Rausch.)
Ravier, Léopold, Paris, France. Lock nut. 1,499,873; July 1.
Ray, Alfred, Spring Valley, Wis. Dirigible headlamp. 1,500,036; July 1.
Rea, John T., Los Angeles, Calif. Material-testing appliance for well-drilling apparatus. 1,499,550; July 1.
Rebold, Jennings B., Slick, Okla. Pump for wells. 1,499,691; July 1.
Recker, Adolph C., Oakville, assignor to The Chase Companies Inc., Waterbury, Conn. Lip-stick holder. 1,499,784; July 1.
Reed, Willis A., Dinuba, Calif. Watch. 1,499,692; July 1.
Rees-Russell Manufacturing Company. (See Russell, Robert C., assignor.)
Reguoif de Vains, Antoine. (See De Vains, Antoine R.)
Regula, Mathias, New York, N. Y. Leather and rubber article. 1,499,785; July 1.
Rehländer, Paul, Berlin-Charlottenburg, Germany. Composition for toning photographic silver images. 1,499,749; July 1.
Reichard, Harold D., Akron, Ohio. Tire tread. Des. 65,080; July 1.
Reid, James H., Readsboro, Vt., assignor to International Nitrogen Co., Cleveland, Ohio. Producing gas. 1,499,750; July 1.
Reilly, James F., Philadelphia, Pa. Cable attachment. 1,499,477; July 1.
Reinecke, Frank J. (See McComish, John J., assignor.)
Reinhart, John, Chicago, Ill. Paper-hanger's straightedge. 1,499,874; July 1.
Reinike, Bernhard, et al. (See Ikerman, Wayne E., assignor.)
Reiss, Paul, assignor to Firm Gutschow & Co., G. m. b. H., Danzig (Free City of). Calculating machine. 1,499,593; July 1.
Reisz, Eugen, Zehlendorf-Mitte, Germany. Method and apparatus for producing moving pictures and sound waves at the same time. 1,500,037; July 1.
Renstrom, George A., Bremerton, Wash., assignor of one-fourth to D. G. Lowe, one-fourth to R. L. Totten, and one-fourth to E. W. Bonneau, county of Kitsap, Mich. Soldering instrument. 1,499,945; July 1.
Reynolds Machine Company, The. (See Snyder, F. C., Steen, and McNulty, assignors.)
Reynolds, Robert W., Darlinghurst, near Sydney, New South Wales, Australia. Electrical-heater resistance element. 1,499,693; July 1.
Reynolds, William C., assignor of one-half to F. J. Young, Los Angeles, Calif. Pipe tong. 1,499,552; July 1.
Rhodes, Robert S., Brooklyn, assignor to Consolidated Car-Heating Company, Albany, N. Y. Safety switch. 1,499,751; July 1.
Rickett, S. S., et al. (See Robinson, James K., assignor.)
Rieber, Frank, Berkeley, Calif. Alternating-current system. 1,499,551; July 1.
Riley, Ellsworth B., Philadelphia, Pa. Spark plug. 1,499,594; July 1.
Ritchie, Robert H. (See Ritchie, Thomas, assignor.)
Ritchie, Thomas, Cedar, assignor to R. H. Ritchie, Oskaloosa, Iowa. Stock-watering device. 1,499,999; July 1.
Robeson-Rochester Corporation. (See Cross, Frederick J., assignor.)
Roberts, Hyle N., Globe, Ariz. Can opener and seal. 1,499,405; July 1.
Roberts, Theodore C., New York, N. Y., and F. C. Hinckley, Stratford, Conn., assignors, by mesne assignments, to Columbia Phonograph Company, Inc. Sound box. 1,499,946; July 1.
Robertson, C. C., et al. (See Robinson, James K., assignor.)
Robertson, Samuel B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 65,081; July 1.
Robinson, Banner J., Prairieville, Mich. Henhouse poultry release. 1,500,038; July 1.
Robinson, James K., assignor of one-fourth to S. S. Rickett and one-fourth to C. C. Robertson, Jacksonville, Fla. Valve. 1,499,478; July 1.
Robinson, John T., and G. E. Gooding, assignors to John T. Robinson Company, Boston, Mass. Guard for corner-cutting machines. 1,499,595; July 1.
Robinson, John T., Company. (See Robinson, J. T., and Gooding, assignors.)
Robinson Manufacturing Company. (See Dimm, Chandos R., assignor.)
Roche, Maurice F. (See Miller, M. P., and Roche.)
Roe, Frank L., Chicago, Ill. Display box. 1,499,987; July 1.
Rogers, Morrise E., Norwood, La. Removable end crank for automobiles. 1,499,694; July 1.
Rogers, Walter J., Houston, Tex. Well-boring tool. 1,500,001; July 1.
Rollman, Michael A., Mount Joy, Pa. Shipping package. 1,499,553; July 1.
Ronco Limited. (See Barman, Louis M., assignor.)
Rosenheim, Joseph, Coney Island, N. Y. Race-game apparatus. 1,499,875; July 1.
Rotermund, William F., Seattle, Wash. Window-sash opener. 1,499,876; July 1.
Rowley, Clifford A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing and flattening sheet glass. 1,499,406; July 1.
Rüdenberg, Reinhold, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric machine. 1,499,695; July 1.
Rüdenberg, Reinhold, Berlin-Grunewald, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Cooling electric machinery. 1,499,696; July 1.
Ruhmann, Grover C., and E. E. Parker, Kenedy, Tex. Fuel economizer and carbin reducer. 1,499,786; July 1.
Rule, William C., Godstone, assignor of one-half to E. Atlee, London, England. Permutation lock. 1,499,554; July 1.
Rumely, Vincent P. (See Miller, W. C. J., and Rumely.)
Rusiuski, András, Fenton, Mich. Boiler. 1,500,002; July 1.
Russell, Robert C., assignor to Rees-Russell Manufacturing Company, Dallas, Tex. Fastening devices. 1,499,596; July 1.
Russell, William F., and M. K. Stevens, assignors to The Norwalk Tire & Rubber Company, Norwalk, Conn. Splicing of pneumatic tubes, etc. 1,499,752; July 1.
Ruths, Johannes K., Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam-accumulator apparatus for steam plants. 1,499,697; July 1.
Ryan, Bernard, New York, N. Y. Thermostatic controller for gas water heaters. 1,499,947; July 1.
Sachs, Herbert, Bronx, N. Y. Auto brake safety catch. 1,499,948; July 1.
Safelock Co., The. (See Erdey, Joseph, assignor.)
Safetee Glass Company. (See Shuman, Victor, assignor.)
Safstrom, Gustaf A., Chicago, Ill. Electrical timing device. 1,499,479; July 1.
Salbach, Otto, Stockton, Calif. Axle set. 1,499,555; July 1.
Salsich, Neil E., Bethlehem, Pa. Rail. 1,499,597; July 1.

Sargent, Nelson, assignor of one-half to F. T. Knight, Pictou, Ontario, Canada. Cylinder grinder. 1,499,556; July 1.
Savoie, Eugene J., Woousocket, R. I. Pool-ball tray. 1,499,407; July 1.
Sawyer, Edward A. (See Sturtevant, T. J., and Sawyer.)
Sawyer, Willard N., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Spindle-lubricating means. 1,499,949; July 1.
Scammell, Charles H., Company. (See Scammell, Charles H., assignor.)
Schade, Paul, Hermsdorf, near Berlin, Germany, assignor to General Electric Company. Arrangement for localizing disturbed areas in electric mains. 1,500,003; July 1.
Schaefer, William A. L., assignor to Jointless Firebrick Co., Chicago, Ill. Wall construction. 1,499,787; July 1.
Scammell, Charles H., assignor to Charles H. Scammell Company, New York, N. Y. Waterproofed lathing. 1,499,408; July 1.
Sebaumberg, Otto, Pittsburgh, Pa. Electric heating element. 1,499,409; July 1.
Schieffelin, William J. (See Crane, F. D., and Schieffelin.)
Schmidling, Joseph L., Milwaukee, Wis. Gasoline reserve supply. 1,499,877; July 1.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Combining tube for ejectors. 1,499,878; July 1.
Schmidt, Hugo F., Milwaukee, Wis. Tractor. Re15,870; July 1.
Schmidt, Wilhelm, Cassel-Wilhelmshohe, Germany. Device for discharging combustion gases from submarines. 1,499,598; July 1.
Schmitt, Charles O., and W. F. Fehlberg, Sioux Falls, S. Dak. Etching apparatus. 1,499,879; July 1.
Schoenenberg, Wilhelm, Cologne-Deutz, Germany. Device for typewriting machines for feeding, cutting off, and removing forms. 1,499,410; July 1.
Schoenert, Carl, Newark, N. J. Safety-razor blade. 1,499,698; July 1.
Schroeder, Giulio, Hale, England. Means for carrying off heat generated in electrical apparatus. 1,499,411; July 1.
Schuette, Robert W., Munhall Borough, Pa. Flexible coupling. 1,499,880; July 1.
Schultz, J. W. (See Altman, Jacob, assignor.)
Schulz, M., Company. (See Gustafson, Adolph P., assignor.)
Schupbach, O. E. (See Kinsey, Al., assignor.)
Schüttler, Paul. (See Seppeler, E., and Schüttler.)
Schweiter, Hans, Horgen, Switzerland. Apparatus for the coating of thread with liquid. 1,499,699; July 1.
Scott, Russell M. (See Belair, J. A., and Scott.)
Sears, Willard T., Montclair, and R. H. Rausch, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Drilling machine. 1,499,412; July 1.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Combined saddle traversing and locking mechanism. 1,499,413; July 1.
Sedivec, Joseph M., May, Idaho. Cotter-pin expander and puller. 1,500,004; July 1.
Seeck, Ferdinand W., Lebanon, Oreg. Differential mechanism. 1,499,480; July 1.
Seguin, Augustin, Paris, France. Apparatus for measuring speed. 1,499,881; July 1.
Segura, Sidney B., assignor to Crown Shock Absorber Company, Houston, Tex. Shock absorber for automobiles. 1,499,882; July 1.
Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Mfg. Co., Waterville, Conn. Screw-plug flush receptacle. 1,499,788; July 1.
Seppeler, Eduard, Berlin-Neukolln, and P. Schüttler, Berlin-Halensee, Germany. Air supply for internal-combustion engines. 1,499,599; July 1.
Sewall, Dana O., assignor to Lewis Manufacturing Company, Walpole, Mass. Bandage. 1,499,789; July 1.
Seyfferth, Eugen, Berlin, Germany. Producing copying foils. 1,499,844; July 1.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sharp, Albert and G., Bayonne, N. J. Kneading machine. 1,499,790; July 1.
Sharp, George. (See Sharp, Albert and G.)
Shaw Edward, Toronto, Ontario, Canada. Apparatus for the treatment of fluids. 1,499,481; July 1.
Sheer, H. M., Company. (See Sheer, Henry M., assignor.)
Sheer, Henry M., assignor to H. M. Sheer Company, Quincy, Ill. Burney attachment. 1,500,005; July 1.
Shepard, Frederick J., jr. (See Church, E. S., and Shepard.)
Sherman, Clifton W., and E. C. McDowell, Hamilton, Ontario, Canada; said McDowell assignor to said Sherman. Draft gear. 1,499,700; July 1.
Sherman, George C., Geneva, N. Y. Window cleaner. 1,500,006; July 1.
Sherman, H. B., Manufacturing Co. (See Persons, Lawrence M., assignor.)
Shipley, Grant B., Pittsburgh, Pa. Preservative treatment for timbers. 1,499 791; July 1.
Shodin, Albin E., Los Angeles, Calif. Roof truss. 1,499,557; July 1.
Shuman, Victor, assignor, by mesne assignments, to L. J. Kolb, trading as Safetee Glass Company, Philadelphia, Pa. Indicator plate. 1,500,039; July 1.
Sibbald, Henrietta G. Duluth, Minn. Receptacle. 1,500,007; July 1.
Siemens & Halske Aktiengesellschaft. (See Ebeling, August, assignor.)
Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)
Siemens-Schuckertwerke Geschlschaft mit beschränkter Haftung. (See Rüdenberg, Reinhold, assignor.)
Signode System, Inc. (See Guenther, Arthur G. G., assignor.)
Silurium Manufacturing Company. (See Stebbins, George C., assignor.)
Silvernail, Howard, Binghamton, N. Y. Riveting device for automobile brake bands. 1,499,883; July 1.
Simmons, Henry C., Atlanta, Ga. Dental tray. 1,499,482; July 1.
Simms, James H., Beverly Hills, Calif. Wall construction. 1,499,483; July 1.
Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)
Singer Manufacturing Company, The. (See Herr, Park A., assignor.)
Singer, Max, Newark, N. J. Figure velocipede. 1,499,884; July 1.
Skeel, Lewis, assignor to McCrosky Tool Corporation, Meadville, Pa. Stud driver. 1,499,701; July 1.
Skeen, Samuel T., assignor of one-half to C. E. Stead, Centralia, Ill. Drill. 1,499,558; July 1.
Skoog, Carl F., South Bend, Ind. Clinker tongs. 1,499,753; July 1.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolyte for electrolytic cells. 1,499,414; July 1.
Slight, George W., Brooklyn, N. Y. Sound reproducer. 1,500,008; July 1.
Smaldone, Pompilio, New York, N. Y. Crib. 1,500,009; July 1.
Smidth, F. L., & Co. (See Middelboe, Kristian, assignor.)
Smith, Abner L., Goose Creek, Tex. Back-pressure valve for oil and artesian wells. 1,499,702; July 1.
Smith, Carolyn S., Brooklyn, N. Y. Making colloidal suspensions. 1,499,600; July 1.
Smith, Fred P., Glassboro, N. J. Gas governor. 1,499,885; July 1.
Smith, Henry J., Minneapolis, Minn. Potato-cutting machine. 1,499,950; July 1.
Smith, Jesse A. B., Stamford Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,499,415; July 1.
Smith, John H., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air ejector. 1,499,886; July 1.
Smith, John L. (See Dorn, C. C., Smith, and Leister.)
Smith, Rosalie J., Washington, D. C. Gravity basket. 1,499,559; July 1.
Smith, Tracy M., and J. F. Werhosek, Morris, Ill. Piston rod. 1,500,010; July 1.
Smith, Webb L., San Francisco, Calif. Fuse plug. 1,499,484; July 1.
Smith, William H., Lavalle, Wis. Handle. 1,500,011; July 1.
Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Material-elevating apparatus. 1,499,792; July 1.
Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)
Snyder, Floyd C., J. C. Steen, and G. F. McNulty, assignors to The Reynolds Machine Company, Massillon, Ohio. Screw-driving machine. 1,499,887; July 1.
Soames, Alfred. (See Langdon-Davies, W., and Soames.)
Society of Tammany or Columbian Order, The. (See Voorhis, John R., assignor.)
Sonora, Inc. (See Wolff, Joseph, assignor.)
Sosoka, John, Cleveland, Ohio. Burglar alarm. 1,499,951; July 1.
Spahlinger, Henry, Carouge-Geneve, Switzerland. Ampul syringe. 1,499,952; July 1.
Spangler, William I., Tarlton, Ohio. Target trap. 1,499,845; July 1.
Spatz, Daniel B., Reading, Pa. Direction indicator. 1,499,888; July 1.
Spencer Lens Co. (See Ott, Harvey N., assignor.)
Spiegelglas, Naum, New York, N. Y. Dental appliance. 1,499,889; July 1.
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Sproul, William C., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling machine. 1,499,754; July 1.
Spry, William M., assignor of one-half to G. Barnaby, Revere, Mass. Machine for packaging articles. 1,499,703; July 1.
Spurgeon, Joseph L., and T. J. Farley, Bloomfield, Iowa. Furnace. 1,499,953; July 1.
Standen, Henry S. (See Evans, H. P., and Standen.)
Stangeland, Peder O., Los Angeles, Calif. Jack. 1,499,560; July 1.
Staples, Earle L., New York, N. Y. Liquid-fuel burner. 1,500,012; July 1.
Stead, Charles E. (See Skeen, Samuel T., assignor.)

Stebbins, George C., Ashtabula, assignor to Silurium Manufacturing Company, Cleveland, Ohio. Battery box. 1,499,704; July 1.
Stebbins, James H., Waterloo, Iowa. Adjustable post. 1,499,755; July 1.
Stech, Joseph G., Berwyn, assignor to Woodrow Nipple Mfg. Co., Chicago, Ill. Compound tool. 1,499,416; July 1.
Steckelmacher, Adolf, Eppingen, Germany. Artificial tooth. 1,499,417; July 1.
Steen, James C. (See Snyder, F. C., Steen, and McNulty.)
Stefanich, Barney. (See Stefanich, Peter, assignor.)
Stefanich, Peter, assignor of one-half to B. Stefanich, Indiana Harbor, Ind. Drill. 1,499,561; July 1.
Stern, Charles. (See Braden, R. W., and Stern.)
Stevens-Aylsworth Company. (See Stevens, William N., assignor.)
Stevens, Maurice K. (See Russell, W. F., and Stevens.)
Stevens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Transmission mechanism. 1,499,418; July 1.
Stevens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Clutch mechanism. 1,499,419; July 1.
Stevens, William N., assignor to Stevens-Aylsworth Company, New York, N. Y. Mixing machine. 1,499,890; July 1.
Stiles, A. B. (See Stiles, Clifton, assignor.)
Stiles, Clifton, assignor of one-half to A. B. Stiles, Calhoun, Ky. Drain pipe. 1,499,954; July 1.
Stoddard, Charles J., Washington, D. C. Identification tag and making same. 1,499,955; July 1.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Thermally-controlled circuit interrupter. 1,499,420; July 1.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic switch. 1,499,421; July 1.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 65,082; July 1.
Storer, Sidney A., New York, N. Y. Display device. 1,499,891; July 1.
Strauss, Ferdinand, New York, and A. Dingfeld, Brooklyn, N. Y., assignors, by mesne assignments, to said Strauss. Mechanical toy. 1,499,485; July 1.
Strauss, Henry J., Stratford, Conn. Attachment for vehicle wheels. 1,499,705; July 1.
Street, Louis H., Olean, N. Y. Sawmill. 1,499,756; July 1.
Stricker, William, Kansas City, Mo. Sash fastener. 1,499,486; July 1.
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Sturtevant Mill Company. (See Sturtevant, T. J., and Sawyer, assignors.)
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Separator. 1,500,050; July 1.
Sturtevant, Thomas J., Wellesley, and E. A. Sawyer, Swampscott, assignors to Sturtevant Mill Company, Boston, Mass. Separator. 1,499,892; July 1.
Sutcliffe, Edgar R., Leigh, England. Machine for compressing or briquetting coal or other material. 1,499,487; July 1.
Swanson, John E., Jamaica Plain, Mass. Cast-metal cutting die and producing the same. 1,499,422; July 1.
Swett, Charles E., Boston assignor of one-half to H. H. Beckwith, Brookline, Mass. Shoe-stiffening material. 1,499,488; July 1.
Sykes, Wilfred, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of ventilation and operating means therefor. 1,499,423; July 1.
Tampier, René J. C., Boulogne-sur-Seine, France. Cock. 1,499,562; July 1.
Tansley, George H., and C. Pfeiffer, assignors to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic machine gun. 1,499,846; July 1.
Taylor, Eli J., Toronto, Ontario, Canada. Mold for the manufacture of resilient tires. 1,499,793; July 1.
Telsen, Theodor, Birmingham, England. Crucible and like furnace. 1,499,706; July 1.
Terzaghi, Karl, Vienna, Austria. Protection of buildings or weirs against hollowing out or washing away. 1,499,956; July 1.
Textile Machine Works. (See Krisslep, Max, assignor.)
Thatcher, Walter C., Govans, Baltimore, Md. Lathe. 1,499,707; July 1.
Thelen, Rolf, Madison, Wis. Reversible circulation internal-fan kiln. 1,499,627; July 1.
Thiess, Karl, Lindlingen, near Hochst-on-the-Main, and C. J. Müller, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany. Indigoid vat dyestuff and making same. 1,500,013; July 1.
Thomas, Ivor D., Cleveland Heights, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Door-shifting mechanism. 1,499,424; July 1.
Thurber, Edward J., New Orleans, La. Curtain for automobiles. 1,500,014; July 1.
Tibbals, Lee. (See Weissbeck, P., and Tibbals.)
Tibbetts, Raymond W., Pawtucket, R. I. Refrigeratingg apparatus. 1,499,989; July 1.
Tiregage Valve Corporation. (See Badowski, Alfred, assignor.)
Tireometer Valve Corporation of America. (See Badowski, Alfred, assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Pool, Elmer C., assignor.)
Tomasello, Joseph, Chicago, Ill. Shower-bath arrangement. 1,499,425; July 1.
Totten, Robert L., et al. (See Renstrom, George A., assignor.)
Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Sand cutting and screening machine. 1,499,426; July 1.
Trayhorn, Richard C., Binghamton, N. Y. Berry picker. 1,500,016; July 1.
Traynor, Thomas E. (See McDonald, G. E., and Traynor.)
Tullar, William E., Chicago, Ill. Controlling means for motor-driven vehicles. 1,499,427; July 1.
Turner, Charles G., Atlanta, Ga. Oven or display device. 1,499,957; July 1.
Tuten, Laurence R., Columbia, S. C. Signal device and circuit closer therefor. 1,499,708; July 1.
Tyler, George W., Washington, D. C. Window-cleaning device. 1,499,563; July 1.
Ullman, Louis M., and D. A. Lederer, New Haven, Conn. Reducing garment. 1,499,564; July 1.
Underwood Computing Machine Company. (See Ansart, Louis L., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Oswald, Alfred E., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
United Engineering and Foundry Company. (See Mueller, Henry, assignor.)
United Shoe Machinery Corporation. (See Johnson, Albert E., assignor.)
United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
United States Chain & Forging Company. (See Bond, Frank A., assignor.)
U. S. Industrial Alcohol Co. (See Kiefer, Kenneth H., assignor.)
Universal Draft Gear Attachment Company. (See Camp, Percy B., assignor.)
Universal Winding Company. (See Morin, Frank A., assignor.)
Urban, Joseph, Los Angeles, Calif. Pruning shears. 1,499,565; July 1.
Van Brunt, Jackson W. (See Church, E. D., and Van Brunt.)
Volz, Charles A., Pigeon, Mich. Rim. 1,499,566; July 1.
Voorhis, John R., assignor to The Society of Tammany or Columbian Order, New York, N. Y. Badge or similar article. Des. 65,083; July 1.
Vox Maschinen-Aktiengesellschaft. (See Hagemann, Waldemar, assignor.)
Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
Waggoner, Joseph B. (See Crummett, R. H., and Waggoner.)
Wagner, Ira D., St. Louis, Mo. Garment fastener. 1,499,428; July 1.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,499,709; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Bracket backplate for lighting fixtures. Des. 65,084; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Bracket backplate for lighting fixtures. Des. 65,085; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Bracket backplate for lighting fixtures. Des. 65,086; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Banding for lighting fixtures. Des. 65,087; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Husk rosette for lighting fixtures. Des. 65,088; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Arm for lighting fixtures. Des. 65,089; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Body for lighting fixtures. Des. 65,090; July 1.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Body for lighting fixtures. Des. 65,091; July 1.
Walpole, George S. (See Evans, Frank H. and H. A., assignors.)
Walter, Robert A. O., Mangawhare, Auckland, New Zealand. Shield for suspenders of trousers. 1,500,017; July 1.
Warner, Sterling W., Westfield, N. J., assignor to The Aeolian Company. Tracking device for music sheets and the like. 1,499,893; July 1.

Washburn, Charles H. (See Anderson, Robert J., assignor.)
Waterman, Waldo D., Los Angeles, Calif. Air circulator and heater. 1,499,894; July 1.
Webster Manufacturing Company, The. (See Landahl, E. E., and Jones, assignors.)
Weil, Edward, Brooklyn, N. Y. Fan. 1,499,490; July 1.
Weisgerber, Edwin C., Long Beach, Calif. Gas and oil separator. 1,499,710; July 1.
Weisiger, Jesse W., Rocky Mount, N. C. Gauge. 1,499,958; July 1.
Weiske, William C., and H. A. Dorman, Detroit, Mich.; said Weiske assignor to said Dorman. Visor for automobile windshields. 1,500,091; July 1.
Weissbeck, Pete, and L. Tibbals, Kansas City, Mo. Screw driver. 1,499,491; July 1.
Wellman-Seaver-Morgan Company, The. (See Thomas, Ivor D., assignor.)
Wennerby, Arthur O. L., Halmstad, Sweden. Combined air valve and fuel pump for internal-combustion engines. 1,499,794; July 1.
Werhosek, Jacob F. (See Smith, T. M., and Werhosek.)
Wernet, Frederick C., Albrightsville, Pa. Plate lifter. 1,499,959; July 1.
Western Electric Company. (See Field, Joseph C., assignor.)
Western Union Telegraph Company, The. (See Leedom, Randolph, assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Batsel, Max C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sykes, Wilfred, assignor.)
Westinghouse Electric Products Company. (See Woodson, James C., assignor.)
Westinghouse Gear and Dynamometer Company. (See Kasley, Alexander T., assignor.)
Whalen, Edward J. (See Conley, E. J., and Whalen.)
Wherry, James B., Ardmore, S. Dak. Preparing exchange silicates for industrial purposes. 1,499,795; July 1.
Wherry, John A., New Orleans, La. Colinted work sheet. 1,499,711; July 1.
Whitaker, John R., Norton, Va. Holder. 1,500,018; July 1.
White, Curtis E. (See Atwell, L. E., Grant, and White.)
White, John F., assignor to White Products Co., Chicago, Ill. Hood latch. 1,499,895; July 1.
White Products Co. (See White, John F., assignor.)
White Tar Company, The. (See Kuhn, Evelyn L., assignor.)
Whitehorn, Homer A., Port Washington, N. Y. Cutting implement. 1,499,896; July 1.
Whiting Corporation. (See Townsend, John S., assignor.)
Whitney, Baxter D., & Son, Inc. (See Sawyer, Willard N., assignor.)
Whiton, D. E., Machine Co., The. (See Lee, Henry B., assignor.)
Wiedeke, Gustav, assignor to Gustav Wiedeke & Company, Dayton, Ohio. Tube cutter. 1,499,429; July 1.
Wiedeke, Gustav, & Company. (See Wiedeke, Gustav, assignor.)
Wiel-Berggren, Einar J. (See Aronsson, Karl H., assignor.)
Wiemels, Herbert B., West Park, Ohio. Clothes stick. 1,499,430; July 1.
Wiesner, Joseph F., Ellis, Kans. Measuring and cutting machine. 1,500,019; July 1.
Wilburger, William, Brooklyn, N. Y. Disk-record folio. 1,499,712; July 1.
Wilkinson, Harris C., Los Angeles, Calif. Imprinting machine. 1,499,796; July 1.
Willcox, Oswin W., Ridgewood, N. J., assignor to American Zeolite Corporation, Paterson, N. J. Preparation of artificial base-exchanging bodies. 1,499,492; July 1.
Willett, Alfred H., West New York, and H. S. Martin, Ridgewood, N. J., assignors to American Arch Company, New York, N. Y. Fire-box structure. 1,499,431; July 1.
Williams, Charles J., Croydon, England. Ore-concentrating machine. 1,499,847; July 1.
Williams, David C., Benton, Ill. Spool holder. 1,500,020; July 1.
Williams, J. B., Company, The. (See Hurst, George S., assignor.)
Williamson, Lozelia A., and G. Pinto, Hammonton, N. J. Twin-gear locomotive drive. 1,499,713; July 1.
Williston, Belvin T., Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Throttling valve. 1,499,433; July 1.
Williston, Belvin T., Somerville, Mass., and H. E. Eddy, East Orange, N. J., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Rod-securing means. 1,499,432; July 1.
Wilson, C. R., Body Company. (See Breneman, Paul E., assignor.)
Wilson Fastener Company, The. (See Wilson, Frank E., assignor.)
Wilson, Frank E., East Cleveland, assignor to The Wilson Fastener Company, Cleveland, Ohio. Lingerie clasp. Des. 65,092; July 1.
Wilson Process, Incorporated. (See Wilson, Sidney C., assignor.)
Wilson, Sidney C., assignor to Wilson Process, Incorporated, Rochester, N. Y. Insole. 1,499,714; July 1.
Wilson, Walter G., Farningham, England. Rivet or clip. 1,500,021; July 1.
Winchester Repeating Arms Co. (See Paine, Arthur P., assignor.)
Winder, Samuel E., assignor to Novelty Products, Inc., Chicago, Ill. Feeding mechanism. 1,499,493; July 1.
Winder, Samuel E., assignor to Novelty Products, Inc., Chicago, Ill. Molding and baking machinery. 1,499,494; July 1.
Windsor Charles H., Palmyra, N. J. Sanitary bathing appliance. 1,499,495; July 1.
Wireless Specialty Apparatus Company. (See Priess, William H., assignor.)
Wishon, Evia L., Picher, Okla. Pulling and lifting device. 1,499,715; July 1.
Wolf, Daisy K., Louisville, Ky. Combined corset and brassière. 1,499,897; July 1.
Wolf, Robert B., New York, N. Y. Method of and apparatus for absorbing gases in liquids. 1,499,898; July 1.
Wolfe, Allan S., Washington, D. C. Surgical syringe. 1,499,899; July 1.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora, Inc. Radio loud speaker. Des. 65,093; July 1.
Wood, Herbert, Sydney, New South Wales, Australia. Gas retort. 1,499,567; July 1.
Woodrow Nipple Mfg. Co. (See Stech, Joseph G., assignor.)
Woods, Frederick N, jr. (See Hadsel, Alvah D., assignor.)
Woods, Norman E., Paterson, N. J. Making twist drills. 1,499,797; July 1.
Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Tubing-head heater. 1,499,434; July 1.
Woodward, David J., San Antonio, Tex. Curtain fastener. 1,500,022; July 1.
Worcester, James, Waltham, Mass. Propelling mechanism for ships. 1,499,716; July 1.
Wright, Lee O., Betsy Layne, Ky. Wrench. 1,499,717; July 1.
Wurzlow, Calvin, Houma, La. Garbage receptacle. 1,500,023; July 1.
Wyzenbeck, Andrew, assignor to F. L. Kohlhase, Chicago, Ill. Electric toaster and heater. 1,499,757; July 1.
Young, Franklin J. (See Reynolds, William C., assignor.)
Yount, Miles F., Beaumont, Tex. Tongs. 1,499,435; July 1.
Zadikow, Israel. (See Chige, I., and Zadikow.)
Zanghi, Joseph. (See Floresta, J. G., and Zanghi.)
Zeman, Mathew, Cleveland, Ohio. Double-hung steel sash. 1,499,436; July 1.
Zucker, Gottlieb F., Chicago, Ill. Means for steadying ships. 1,499,900; July 1.
Zykin, John New York, N. Y. Dishwashing machine. 1,499,718; July 1.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator mechanism. E. J. Bloom. 1,499,849; July 1.
Acid in dehydrated form and making the same, Phosphoric. J. H. Gravell. 1,499,611; July 1.
Addressing machine or like printing machine. L. M. Barman. 1,499,330; July 1.
Addressing machines, Inking device or attachment for use with. L. M. Barman. 1,499,329; July 1.
Adjustable post. J. H. Stebbins. 1,499,755; July 1.
Advertising display device. G. S. Hurst. 1,499,927; July 1.
Advertising display screen. G. S. Hurst. 1,499,661; July 1.
Aerial train. W. E. Ikerman. 1,499,825; July 1.
Aeroplane. J. F. Penn. 1,499,943; July 1.
Air and other separator. G. H. Fraser. 1,499,515; July 1.
Air circulator and heater. W. D. Waterman. 1,499,894; July 1.
Air cleaner. J. A. Gordon. 1,499,864; July 1.
Aircraft and other structures, Framework for. F. M. Green. 1,499,980; July 1.
Air heater. H. E. Browning. 1,499,442; July 1.
Air pan. E. H. Anderson. 1,499,496; July 1.
Airplane landing mechanism. H. C. Pratt. 1,499,472; July 1.
Air separator. G. H. Fraser. 1,499,722–3; July 1.
Air vent. A. G. Kruppa. 1,499,461; July 1.
Alarm: *See*—
Burglar alarm. Tire alarm.
Alcohols and aldehydes from hydrocarbons, Process and device for preparing. C. A. Kloppenburg. 1,500,080; July 1.
Alternating current system. F. Rieber. 1,499,551; July 1.
Amusement device. E. A. Lezert. 1,499,672; July 1.
Antiskidding device. S. D. Jacobson. 1,499,932; July 1.
Auger. C. E. Gould. 1,500,069; July 1.
Auto brake safety catch. H. Sachs. 1,499,948; July 1.
Auto golf-bag carrier. F. Frisk. 1,500,067; July 1.
Automatic ventilator. A. A. Gilmore. 1,499,978; July 1.
Automobile brake. E. E. Dewey. 1,499,807; July 1.
Automobile brake bands, Riveting device for. H. Silvernail. 1,499,883; July 1.
Automobile brake guard. J. H. Lacy. 1,499,375–7; July 1.
Automobile curtain. E. J. Thurber. 1,500,014; July 1.
Automobile shock absorber. S. B. Segura. 1,499,882; July 1.
Automobile starting device. A. C. Asper. 1,500,043; July 1.
Automobile steering-wheel lock. J. Erdey. 1,499,356; July 1.
Automobile suspension. D. J. McDougal. 1,499,675; July 1.
Automobile wheel. W. W. McLaren. 1,499,835; July 1.
Automobile windshields, Visor for. W. C. Weiske and H. A. Dorman. 1,500,091; July 1.
Automobiles, Differential drive clutch for. J. Blackburn. 1,499,336; July 1.
Automobiles, Hood attachment for. R. J. Griesedieck. 1,499,820; July 1.
Automobiles, Removable end crank for. M. E. Rogers. 1,499,694; July 1.
Automobiles, Speed-controlling apparatus for. J. K. B. Falck. 1,499,765; July 1.
Automobiles, Windshield for. A. D. Perkins. 1,499,869; July 1.
Axle set. O. Salbach. 1,499,555; July 1.
Badge or similar article. J. R. Voorhis. Des. 65,083; July 1.
Bait, Artificial. J. E. Ford. 1,499,975; July 1.
Bait, Artificial. C. T. Pflueger and W. L. Adams. 1,499,689; July 1.
Bandage. D. O. Sewall. 1,499,789; July 1.
Bandage, Elastic. H. B. Chatterton. 1,499,805; July 1.
Bassinet or crib. A. G. Feldman. Des. 65,059; July 1.
Batch mixer. C. R. Dimm. 1,500,061; July 1.
Battery: *See*—
Storage battery.
Battery. A. Morch. 1,500,027; July 1.
Battery box. G. C. Stebbins. 1,499,704; July 1.
Battery charging, System and device for. W. T. Powell. 1,500,034; July 1.
Battery plate and making same. W. E. Holland. 1,500,076; July 1.
Beadwork, Fabricated. M. Godefroy. 1,499,769; July 1.
Bearing mechanism for spring shackles, Antifriction. R. M. Lovejoy. 1,499,388; July 1.
Bearings, Fluid-pressure support for. K. Baumann. 1,499,332; July 1.
Bed, Fresh-air. A. B. Cooke. 1,500,093; July 1.
Berry picker. R. C. Trayhorn. 1,500,016; July 1.
Bias-cutting machine. M. A. Marquette. 1,499,676; July 1.
Blind lath. W. G. King and F. E. Maynard. 1,499,827; July 1.
Bobbin-winding machine. P. A. Herr. 1,499,925; July 1.
Boiler. W. H. McGrath. 1,499,585; July 1.
Boiler. A. Rusinski. 1,500,002; July 1.
Boll-weevil collector. J. H. Hancock. 1,499,981; July 1.
Boring machine, Earth-. R. Leedom. 1,499,938; July 1.
Boring tool, Well-. W. J. Rogers. 1,500,001; July 1.
Bottle. S. Blackman. Des. 65,048; July 1.
Bottle. A. W. Doerr. Des. 65,058; July 1.
Bottle-capping machine. K. H. Kiefer. 1,499,619; July 1.
Bowl or similar article. J. R. Keller. Des. 65,062; July 1.
Box: *See*—
Battery box. Flower box.
Classification box. Sound box.
Display box. Switch box.
Fare box. Vanity box.
Box-strapping machine. A. G. G. Guenther. 1,499,454; July 1.
Braiding machine. M. Krissiep. 1,499,830; July 1.
Brake: *See*—
Automobile brake. Car brake.
Brake band and lining. R. B. Hartman. 1,499,528–9; July 1.
Brine purifier, Continuous. H. D. Oxley. 1,500,096; July 1.
Brush. R. H. Crummett and J. B. Waggoner. 1,499,507; July 1.
Buckle, Backband. W. L. Becton. 1,499,333; July 1.
Buckle, Belt. J. De Groote. 1,499,453; July 1.
Buckle, End. J. C. Nichols. 1,499,747; July 1.
Building, Portable wall section for house. K. H. Aronsson. 1,499,630; July 1.
Buildings or weirs against hollowing out or washing away, Protection of. K. Terzaghi. 1,499,956; July 1.
Bull-wheel structure. R. R. Bloss. 1,499,500; July 1.
Burglar alarm. J. Sosoka. 1,499,951; July 1.
Burner: *See*—
Hydrocarbon burner. Rubbish burner.
Liquid-fuel burner. Stump burner.
Oil burner.
Burner attachment. H. M. Sheer. 1,500,005; July 1.
Button. J. Fischl. 1,499,513; July 1.
Buttons, Protector for collar. M. Cohn and W. F. Probst. 1,500,053; July 1.
Cable attachment. J. F. Reilly. 1,499,477; July 1.
Calculating machine. P. Reiss. 1,499,593; July 1.
Camping outfit. B. E. Canfield. 1,499,972; July 1.
Can. T. S. Friend. 1,499,919; July 1.
Candle, Mortuary. E. L. Kuhn. Des. 65,070–1; July 1.
Candlestick. M. Klein. Des. 65,064; July 1.
Candy-coating machines, Bottomer for. J. Conte. 1,499,347; July 1.
Can-filling machine. O. H. Hansen. 1,499,366; July 1.
Can opener and seal. H. N. Roberts. 1,499,405; July 1.
Cap, Knitted. A. Cohn. Des. 65,053; July 1.
Car brake. A. R. Anderson. 1,499,439; July 1.
Car-brake mechanism, Railway-. P. B. Camp. 1,499,342; July 1.
Car brake, Mine-. J. McCool. 1,499,674; July 1.
Car-controlling device. L. A. Brake. 1,499,638; July 1.
Car-door-operating mechanism. L. P. Hynes. 1,499,735; July 1.
Car, Dump. J. Johnson. 1,499,459; July 1.
Car-leveling apparatus. D. L. Lindquist and F. Hymans. 1,499,385; July 1.
Car, Railway. T. Elliott. 1,499,510; July 1.
Car roof, Metal freight-. C. Blatchford. 1,499,337; July 1.
Carbon, Activating. N. K. Chaney. 1,499,908; July 1.
Carburetor. B. Bannister. 1,499,800; July 1.
Carburetor. E. G. Hodges. Re15,869; July 1.
Card container. F. G. Morrison. 1,500,028; July 1.
Carrier: *See*—
Auto golf-bag carrier.
Case: *See*—
Sample case. Vanity case.
Case-hardening process. F. A. Bond. 1,499,801; July 1.

Casting lead seals, Machine for. O. G. Cook. 1,499,447; July 1.
Cement-block-making machine. W. Meyer. 1,499,587; July 1.
Chain connector, Rim-. J. J. Demers. 1,499,913; July 1.
Chain, Emergency traction or antiskid. E. P. Elzey. 1,499,974; July 1.
Chain hook. F. B. King. 1,499,738; July 1.
Channeled strip such as curtain rods or the like. C. W. Kirsch. 1,499,986; July 1.
Cheese, Manufacturing Swiss. K. J. Matheson. 1,499,390; July 1.
Chenille preliminary fabrics, Manufacture of. G. Liebender. 1,500,086; July 1.
Chicken hover, brooder, or foster mother. F. Knight. 1,500,081; July 1.
Chlorination of ligno- and pecto-cellulose by nascent chlorine for the purpose of obtaining pure cellulose, Continuous. A. Regnouf de Vains. 1,500,060; July 1.
Chuck. L. A. Burch. 1,499,639; July 1.
Chuck. B. M. W. Hanson. 1,499,728; July 1.
Chuck. B. M. W. Hanson. 1,499,772; July 1.
Chute, Coal. J. E. McMinn. 1,499,469; July 1.
Cigar holder and ash receiver. I. A. Gay. 1,499,452; July 1.
Cinematographic band. J. Marette. 1,499,941; July 1.
Circuit breaker. E. B. Nowosielski. 1,500,089; July 1.
Circuit interrupter, Thermally-controlled. E. R. Stoekle. 1,499,420; July 1.
Circuits, Transmission-regulating. O. H. Loynes. 1,499,464; July 1.
Clamp: *See*—
Garment clamp. Pipe clamp.
Classification box. R. A. Murray and L. H. Hooper. 1,499,838; July 1.
Cleaner: *See*—
Air cleaner. Pipestem cleaner.
Hand cleaner. Window cleaner.
Clock. W. E. Porter. 1,499,783; July 1.
Clock indicator, Alarm-. A. A. Ohler. 1,499,399; July 1.
Closure for cold-storage compartments. B. J. Clark and J. Huhy. 1,499,503; July 1.
Clothes drier. G. T. Kee. 1,500,094; July 1.
Clothes stick. H. B. Wiemels. 1,499,430; July 1.
Clothes-washing machine. O. S. Brown. 1,499,605; July 1.
Clutch. S. P. Griffin. 1,499,652; July 1.
Clutch, Friction. J. H. La Moree. 1,499,538; July 1.
Clutch mechanism. F. J. Holmes. 1,499,659; July 1.
Clutch mechanism. W. C. Stevens. 1,499,419; July 1.
Clutch ring. H. Banke. 1,499,632; July 1.
Coal, Treatment of. F. G. Price. 1,499,872; July 1.
Coating of thread with liquid, Apparatus for the. H. Schweiter. 1,499,699; July 1.
Cock. J. C. Code. 1,499,446; July 1.
Cock. R. J. C. Tampier. 1,499,562; July 1.
Coding device. S. H. Huntington. 1,500,077; July 1.
Coffee maker, Individual. E. M. Pressley. Des. 65,078; July 1.
Coffee, Roasting. S. Oprean. 1,499,780; July 1.
Collar-attaching device. D. C. Carr. 1,499,570; July 1.
Collet mechanism. B. M. W. Hanson. 1,499,727; July 1.
Colloidal suspensions, Making. C. S. Smith. 1,499,600; July 1.
Comb. L. A. Henter. 1,499,577; July 1.
Commutator. G. A. Kreutzer and K. L. Long. 1,499,829; July 1.
Compass. R. E. Bibbins. 1,499,602; July 1.
Compressing or briquetting coal or other material, Machine for. E. R. Sutcliffe. 1,499,487; July 1.
Compressor, Air. R. J. and C. C. Caulfield. 1,500,052; July 1.
Concrete pipes, Centrifugal manufacture of reenforced-. H. Conradi. 1,499,762; July 1.
Container-filling machine. C. L. Bond. 1,499,338; July 1.
Converter and frequency changer, Combined phase. C. L. Fortescue. 1,499,918; July 1.
Conveyer. H. M. Godden. 1,499,920; July 1.
Conveyer for plastic bodies. R. E. Baker and L. S. Harber. 1,499,799; July 1.
Conveying apparatus. E. E. Landahl and C. S. Jones. 1,499,832; July 1.
Conveying apparatus. H. R. Loughridge. 1,499,778; July 1.
Cooking vessel. E. W. Goodrick. 1,499,364; July 1.
Corer, Tomato. J. Q. Leavitt. 1,500,085; July 1.
Cores Machine for applying endless bands to ring. T. Midgley. 1,499,679; July 1.
Cork disks, Making. R. W. Booth. 1,499,636; July 1.
Corner-cutting machines, Guard for. J. T. Robinson and G. E. Gooding. 1,499,595; July 1.
Corset and brassière, Combined. D. K. Wolf. 1,499,897; July 1.
Cotter-pin expander and puller. J. M. Sedivec. 1,500,004; July 1.
Cotton tramper. T. S. Grimes. 1,500,070; July 1.
Couch armchair. P. E. Kurnick. 1,499,831; July 1.
Couch, Folding. H. H. and C. T. Megary. 1,499,745; July 1.
Counter inclosure. J. A. Gustus. 1,499,365; July 1.
Coupling: *See*—
Flexible coupling. Shaft coupling.
Pipe coupling.
Coupling device. A. F. Callison. 1,499,971; July 1.
Crank. R. H. Price. 1,499,474; July 1.
Cream separator. A. Méiotte. 1,499,391; July 1.
Crib. P. Smaldone. 1,500,009; July 1.
Crosshead. J. P. Ratigan. 1,499,549; July 1.
Crucible and like furnace. T. Teisen. 1,499,706; July 1.
Crutch. C. B. Hughes. 1,499 458; July 1.
Cultivator sweep. C. M. Hoeregott. 1,499,531; July 1.
Cup, Trophy. W. Codman. Des. 65,052; July 1.
Curtain fastener. D. J. Woodward. 1,500,022; July 1
Curtain holder. J. W. Brooks. 1,500,049; July 1.
Cutter: *See*—
Rotary cutter. Tube cutter.
Thread cutter.
Cutter chain. T. E. Pray. 1,499,944; July 1.
Cutting die and producing same, Cast-metal. J. E. Swanson. 1,499 422; July 1.
Cutting implement. H. A. Whitehorn. 1,499,896; July 1.
Cutting tubular stock into continuous strips, Machine for. E. M. Hausheer. 1,499,924; July 1.
Cylinder grinder. N. Sargent. 1,499,556; July 1.
Cylindrical bodies, Reducing. J. A. Katzenmeyer. 1,499,533–4; July 1.
Dental appliance. N. Spiegelglas. 1,499,889; July 1.
Dental pulp tester. W. J. Cameron. 1,499,341; July 1
Dental tray. H. C. Simmons. 1,499 482; July 1.
Dental tray attachment. S. E. Douglass. 1,499,973; July 1.
Derrick structure. A. France. 1,499,514; July 1.
Differential mechanism. C. F. Mead. 1,499,467; July 1.
Differential mechanism. F. W. Seeck. 1,499,480; July 1.
Digging and loading machine. P. E. Dutcher. 1,499,764; July 1.
Direction indicator. D. B. Spatz. 1,499,888; July 1.
Dish drier. A. Beck. 1,499,903; July 1.
Dishwashing machine. J. Zykin. 1,499 718; July 1.
Disk-plow mounting. M. L. Kelly. 1,499,536; July 1.
Display box. F. L. Roe. 1,499,987; July 1.
Display device. S. A. Storer. 1,499,891; July 1.
Display stand. B. V. Koch. Des. 65,067; July 1.
Doll. K. M. Kirk. Des. 65,063; July 1.
Doll. R. D. Miller. Des. 65,074–5; July 1.
Door-shifting mechanism. I. D. Thomas. 149,424; July 1.
Draft connection. C. O. Deems. 1,499,859; July 1.
Draft rigging, Friction. G. B. Dorcy. 1,499,353; July 1.
Drain pipe. C. Stiles. 1,499,954; July 1.
Drawers and abdominal support for men, Combination. A. Emsley. 1,499,647; July 1.
Drier: *See*—
Clothes drier. Dish drier.
Drill. H. W. Londen, jr. 1,499,991; July 1.
Drill. S. T. Skeen. 1,499,558; July 1.
Drill. P. Stefanich. 1,499,561; July 1.
Drill attachment. J. F. Morehead. 1,499,680; July 1.
Drill press table. R. A. Hartmann. 1,499,456; July 1.
Drilling or boring metals, Tool for. I. W. Litchfield. 1,499,584; July 1.
Drilling machine. W. T. Sears and R. H. Rausch. 1,499,412; July 1.
Drills, Making twist. N. E. Woods. 1,499,797; July 1.
Driving mechanism. W. J. Eichenberg. 1,499,862; July 1.
Drum. A. P. Gustafson. 1,500,095; July 1.
Dumping mechanism. B. P. Murphy. 1,499,682; July 1.
Dyeing yarn on cheeses, Material holder and carrier for. W. Bell. 1,500,046; July 1.
Ejector, Air. J. H. Smith. 1,499,886; July 1.
Ejector, Elastic fluid. A. Delas. 1,499,350; July 1.
Ejector with cooled walls. A. Delas. 1,499,349; July 1.
Ejectors, Combining tube for. H. F. Schmidt. 1,499,878; July 1.
Electric-arc furnace. W. S. Hadaway, jr. 1,499,922; July 1.
Electric-current networks, Means for indicating and disconnecting defective branches from. M. Höchstädter. 1,499,368; July 1.
Electric-current regulator. W. Langdon-Davies and A. Soames. 1,500,082; July 1.
Electric grate. J. H. Carmean. 1,499,502; July 1.
Electric iron. D. Michie. 1,499,746; July 1.
Electric-light attachment for beds. A. J. M. Corns. 1,500,057; July 1.
Electric machine. R. Rüdenberg. 1,499,695; July 1.
Electric machine, Multispeed dynamo-. F. Creedy. 1,499,853; July 1.
Electric machinery, Cooling. R. Rüdenberg. 1,499,696; July 1.
Electric mains, Arrangement for localizing disturbed areas in. P. Schade. 1,500,003; July 1.
Electrical apparatus, Means for carrying off heat generated in. G. Schroeder. 1,499,411; July 1.
Electrical condenser. W. H. Priess. 1,499,403–4; July 1.
Electrical timing device. G. A. Safstrom. 1,499,479; July 1.
Electrolyte for electrolytic cells. J. Slepian. 1,499,414; July 1.
Electromagnetic switch. E. R. Stoekle. 1,499,421; July 1.
Embossing apparatus. F. H. and H. A. Evans. 1,499,608; July 1.
Energy, Means indicating average rate flow of. G. E. Quinan. 1,499,476; July 1.

Engine: *See*—
Internal-combustion engine.
Engines, Air supply for internal-combustion. E. Seppeler and P. Schüttler. 1,499,599; July 1.
Engines, Auxiliary air intake for internal-combustion. J. Phillips. 1,500,031; July 1.
Engines, Combined air valve and fuel pump for internal-combustion. A. O. L. Wennerby. 1,499,794; July 1.
Engines, Timing device for internal-combustion. O. E. Key. 1,499,737; July 1.
Envelope. A. Dietsche. 1,499,352; July 1.
Envelope. G. R. Hill. 1,500,074; July 1.
Etching apparatus. C. O. Schmitt and W. F. Fehlberg. 1,499,879; July 1.
Exhibition device. A. E. Oswald. 1,499,400; July 1.
Explosion motors, Heating device for. J. J. P. Marcé. 1,499,586; July 1.
Fabric, Pile. C. V. Kozlay. Des. 65,069; July 1.
Fabric to a base of woodwork or other material, Fastening means for securing. D. R. Griffiths. 1,499,821; July 1.
Fan. E. Well. 1,499,490; July 1.
Fan kiln. Reversible circulation internal-. R. Thelen. 1,499,627; July 1.
Fare box. S. J. Bell, F. H. Bullard, and R. E. Cosgrove. 1,499,904; July 1.
Fastener for bolts of cloth, ribbon, and the like. L. F. Cox. 1,499,910; July 1.
Fasteners, Setting. W. C. J. Miller and V. P. Rumely. 1,499,625; July 1.
Fastening device. R. C. Russell 1,499,596; July 1.
Feeding mechanism. S. E. Winder. 1,499,493; July 1.
Fencepost, Metallic. H. C. Jones. 1,499,933; July 1.
Fiber-treating appliance for drawing and preparing fibers for spinning into yarns. J. H. Dawson. 1,499,607; July 1.
Films, Method of and device for applying a protective layer to. H. Lichte. 1,499,833; July 1.
Fire-box structure. A. H. Willett and H. S. Martin. 1,499,431; July 1.
Fire-control arrangement. P. Kaminski. 1,499,664; July 1.
Fire escape. E. E. Mullinix. 1,499,588; July 1.
Fire extinguisher. R. W. Austin. 1,499,631; July 1.
Fire extinguisher. G. E. McDonald and T. E. Traynor. 1,499,866; July 1.
Fish bait, Artificial. B. G. Goble. 1,499,819; July 1.
Fishhook holder. W. R. Davis. 1,499,858; July 1.
Flexible coupling. R. W. Schuette. 1,499,880; July 1.
Flow meter. V. R. Nicholson. 1,499,839; July 1.
Flower box. D. Price. 1,499,473; July 1.
Fluid-current motor. L. Larsen. 1,499,462; July 1.
Fluid-current separator. G. H. Fraser. 1,499,724–5; July 1.
Fluids, Apparatus for the treatment of. E. Shaw. 1,499,481; July 1.
Fluids from wells, Method of and apparatus for removal of. I. L. Dunn. 1,499,509; July 1.
Flush receptacle, Screw-plug. I. R. Seltzer. 1,499,788; July 1.
Flying machines, Arrangement and disposition of fuel tanks in. A. H. G. Fokker. 1,499,817; July 1.
Foils, Producing copying. E. Seyfferth. 1,499,844; July 1.
Food preparation, Apparatus for. P. V. Cerini. 1,499,852; July 1.
Fountain: *See*—
Soda-water fountain.
Frequency changer and phase converter, Combined. C. L. Fortescue. 1,499,359; July 1.
Frequency-converter method and system. C. L. Fortescue. 1,499,360; July 1.
Fruit dipping and cleaning apparatus. F. C. Chapman. 1,499,443; July 1.
Frying pan. S. Kuno. 1,499,670; July 1.
Fuel, Apparatus for feeding pulverized. H. Mueller. 1,499,396; July 1.
Fuel economizer and carbon reducer. G. C. Ruhmann and E. E. Parker. 1,499,786; July 1.
Fuel economizer for gas-fired stoves and the like. H. P. Evans and H. S. Standen. 1,500,063; July 1.
Furnace: *See*—
Crucible and like furnace. Electric-arc furnace.
Furnace. C. J. Huber. 1,499,532; July 1.
Furnace. J. L. Spurgeon and T. J. Farley. 1,499,953; July 1.
Fuse plug. W. L. Smith. 1,499,484; July 1.
Game apparatus. G. W. Bishop. 1,499,905; July 1.
Game apparatus. C. Papouchis. 1,499,748; July 1.
Game apparatus, Race-. J. Rosenheim. 1,499,875; July 1.
Game, Aquatic. D. L. Alger. 1,499,628; July 1.
Game rack and shell pouch. J. Gibbs and C. M. Ingram. 1,499,977; July 1.
Garbage receptacle. C. Wurzlow. 1,500,023; July 1.
Garment, Apparel. W. Kops. 1,499,935; July 1.
Garment clamp. P. G. Phillips. 1,499,592; July 1.
Garment fastener. I. D. Wagner. 1,499,428; July 1.
Garment, Reducing. L. M. Ullman and D. A. Lederer. 1,499,564; July 1.
Gas and oil separator. E. C. Weisgerber. 1,499,710; July 1.
Gas burners, Ignition device for. E. L. Claus. 1,499,854; July 1.
Gas, Producing. J. H. Reid. 1,499,750; July 1.
Gases from submarines, Device for discharging combustion. W. Schmidt. 1,499,598; July 1.
Gases in liquids, Method of and apparatus for absorbing. R. B. Wolf. 1,499,898; July 1.
Gasoline reserve supply. J. L. Schmedling. 1,499,877; July 1.
Gate: *See*—
Railway gate.
Gauge: *See*—
Pressure gauge. Tire-pressure gauge.
Gauge. H. Bacharach. 1,499,759; July 1.
Gauge. J. W. Weisiger. 1,499,958; July 1.
Gauge instrument. B. M. W. Hanson. 1,499,730; July 1.
Gear, Draft. C. W. Sherman and E. C. McDowell. 1,499,700; July 1.
Gear yokes, Filler block for draft-. G. C. Murray. 1,499,942; July 1.
Gearing, Reduction. A. T. Kasley. 1,499,617; July 1.
Glass articles, Machine for the manufacture of. R. F. Hall. 1,499,522–6; July 1.
Glass container. C. Hammer. 1,499,612; July 1.
Glass, Cracking-off device for sheet. J. H. Moller. 1,499,393; July 1.
Glass, Drawing and flattening sheet. C. A. Rowley. 1,499,406; July 1.
Glass-molding machine. W. G. Bergman. 1,499,334; July 1.
Glass-plate holder. G. Glaudel. 1,499,575; July 1.
Governor, Glass. F. P. Smith. 1,499,885; July 1.
Grain shocker. J. L. Gilmore. 1,499,726; July 1.
Gravity basket. R. J. Smith. 1,499,559; July 1.
Grinding. L. E. Jolls. 1,500,078; July 1.
Grinding machine. K. Middelboe. 1,499,624; July 1.
Grooving tool, Gem-seat-. A. Franconetti. 1,499,818; July 1.
Gun, Automatic machine. G. H. Tansley and C. Pfeiffer. 1,499,846; July 1.
Hair, Protector for bobbed. E. Dalzell. 1,499,911; July 1.
Hair-waving apparatus. P. E. Herrmann. 1,499,367; July 1.
Haircloth, Barber's. W. J. David. 1,499,857; July 1.
Hammer. R. O. Boykin. 1,499,501; July 1.
Hammer, Pneumatic. A. Bailly. 1,499,569; July 1.
Hand cleaner. M. A. Moore. 1,499,394; July 1.
Handlamp. A. P. Paine. 1,499,591; July 1.
Handle. H. C. Oliver. 1,500,029; July 1.
Handle. W. H. Smith. 1,500,011; July 1.
Headlamp, Dirigible. A. Ray. 1,500,036; July 1.
Headlights, Glare shield for. C. H. Hipp and S. L. Kiser. 1,500,075; July 1.
Headlights, Shield for vehicle. W. Auchstetter. 1,499,961; July 1.
Heat treatment of material, Electrical. T. A. F. Holmgren. 1,499,615; July 1.
Heater: *See*—
Air heater. Tubing-bend heater.
Heater casing and standard, Combined electric-. W. Barnes. Des. 65,045–7; July 1.
Heater resistance element, Electrical-. R. W. Reynolds. 1,499,693; July 1.
Heating apparatus. A. E. Johnson. 1,499,616; July 1.
Heating element, Electric. O. Schaumberg. 1,499,409; July 1.
Heating system. P. C. C. Friderichsen. 1,499,976; July 1.
Heel, Shoe. E. M. Augur. 1,499,601; July 1.
Henhouse poultry release. B. J. Robinson. 1,500,038; July 1.
Hoisting mechanism. C. Hayes. 1,499,613; July 1.
Holder. J. R. Whitaker. 1,500,018; July 1.
Hook: *See*—
Chain hook.
Hose, Implement for folding. J. R. Elder. 1,499,811; July 1.
Hose reel, Automatic. A. Dowrello. 1,499,644; July 1.
Hose supporter. C. J. Hazelton. Rte15,868; July 1.
Hydrocarbon burner. C. A. Berkins. 1,499,335; July 1.
Ice-cream-cone-baking machine. G. Gerace. 1,499,649; July 1.
Identification tag and making same. C. J. Stoddard. 1,499,955; July 1.
Ignition indicating and detecting device. M. J. Neuner and A. A. Habermann. 1,500,088; July 1.
Imprinting machine. H. C. Wilkinson. 1,499,796; July 1.
Index. J. H. Rand. 1,500,035; July 1.
Indicator: *See*—
Clock indicator. Pressure-difference indicator.
Direction indicator.
Indicator. T. H. Ferguson. 1,500,065; July 1.
Indicator plate. V. Shuman. 1,500,039; July 1.
Indigoid vat dyestuff and making same. K. Thiess and C. J. Müller. 1,500,013; July 1.
Induction or ignition coil. E. B. Jacobson. 1,499,931; July 1.
Insect trap. W. A. Pepper. 1,499,841; July 1.
Insole. S. C. Wilson. 1,499,714; July 1.
Insulating coverings for pipes or similar articles and covering made thereby, Making heat-. F. A. Headson. 1,499,774; July 1.

Internal-combustion engine. C. E. Hull. 1,499,824; July 1.
Iron: *See*—
Electric iron.
Jack: *See*—
Pump jack.
Jack. J. L. Hickey. 1,499,777; July 1.
Jack. P. O. Stangeland. 1,499,560; July 1.
Joint: *See*—
Pipe joint. Universal joint.
Rail joint.
Kiln and operating same, Twin-tunnel. C. Dressler. 1,499,354; July 1.
Kite, Aeroplane. A. Felardo. 1,500,064; July 1.
Kneading machine. A. and G. Sharp. 1,499,790; July 1.
Lace. M. H. Daudy. Des. 65,057; July 1.
Lace. S. H. Page. Des. 65,076; July 1.
Lamp-chimney attachment. R. Kernaul. 1,499,372; July 1.
Lamp, Dirigible. L. D. Copeland. 1,499,640; July 1.
Lamp post. J. S. Clay. 1,499,445; July 1.
Lamp-socket cluster and connection plug, Combined. B. P. McKinley. Des. 65,073; July 1.
Lamp support. N. Endres. 1,499,450; July 1.
Lantern slide. A. L. Mayer. 1,500,025; July 1.
Last, Collapsible. P. D. Babcock. 1,499,758; July 1.
Latch. E. D. Church and J. W. Van Brunt. 1,499,909; July 1.
Latch, Hood. J. F. White. 1,499,895; July 1.
Lath, Plaster. J. F. Makowski. 1,499,465; July 1.
Lathing, Waterproof. C. H. Scammell. 1,499,408; July 1.
Lathe. H. Becker. 1,499,633; July 1.
Lathe. W. C. Thatcher. 1,499,707; July 1.
Lathes, Work driver for. B. M. W. Hanson. 1,499,773; July 1.
Leather and rubber article. M. Regula. 1,499,785; July 1.
Lifter: *See*—
Plate lifter. Valve-spring lifter.
Lighting-fixture arm. E. A. Walker. Des. 65,089; July 1.
Lighting-fixture arm. H. E. Bohl. Des. 65,051; July 1.
Lighting-fixture banding. E. A. Walker. Des. 65,087; July 1.
Lighting-fixture body. E. A. Walker. Des. 65,090–1; July 1.
Lighting-fixture bracket. M. Klein. Des. 65,065; July 1.
Lighting-fixture-bracket backplate. E. A. Walker. Des. 65,084–6; July 1.
Lighting fixture, Dining-room. M. Klein. Des. 65,066; July 1.
Lighting-fixture ring. H. E. Bohl. Des. 65,049–50; July 1.
Lighting-fixture, Sewing-machine. F. Diehl. 1,499,914; July 1.
Lighting-fixtures, Husk rosette for. E. A. Walker. Des. 65,088; July 1.
Lingerie clasp. F. E. Wilson. Des. 65,092; July 1.
Lip-stick holder. A. C. Recker. 1,499,784; July 1.
Liquid-fuel burner. E. I. Staples. 1,500,012; July 1.
Liquors, Oxidizing organic substances in alkaline. J. D'Ans. 1,499,798; July 1.
Lock: *See*—
Automobile steering-wheel lock. Permutation lock.
Valve lock.
Lock. J. M. Almedia. 1,499,960; July 1.
Locking closure for containers. M. A. Lawton. 1,499,988; July 1.
Locks or any key-locking system, Safety spring barrel applicable to. P. G. Caillols. 1,499,444; July 1.
Locomotive attachment. R. W. Braden and C. Stern. 1,499,637; July 1.
Locomotive drive, Twin-gear. L. A. Williamson and G. Pinto. 1,499,713; July 1.
Locomotives, Driving mechanism for geared. S. Pickering. 1,499,870; July 1.
Loom shuttle. A. Boitel. 1,499,603; July 1.
Looms, Stop mechanism for. C. C. Dorn, J. L. Smith, and W. P. Leister. 1,499,449; July 1.
Lubricator. E. McCoy. 1,499,468; July 1.
Lubricating device. O. Hajek. 1,500,072; July 1.
Lubricating means, Spindle-. W. N. Sawyer. 1,499,949; July 1.
Lubricating pump with sight feed. O. Hajek. 1,500,071; July 1.
M-amino-benzaldehyde, Production of. D. W. Bissell. 1,499,761; July 1.
Machine, Sorting. G. W. Cox, jr. 1,499,641; July 1.
Machines, Intermittent feed for. L. L. Bolstead. 1,499,441; July 1.
Magnet, Lifting. B. E. Fernow, jr. 1,499,358; July 1.
Mail-box signal, Automatic. H. W. Guy. 1,499,771; July 1.
Match-box-filling machine. L. Henninger. 1,499,614; July 1.
Match-box holder. W. R. Leas. 1,500,084; July 1.
Material-elevating apparatus. B. S. Snow. 1,499,792; July 1.
Measuring and cutting machine. J. F. Wiesner. 1,500,019; July 1.
Measuring instrument. W. N. Eaton. 1,499,861; July 1.
Measuring system. C. T. Allcutt. 1,499,325; July 1.
Meat holders in meat-slicing machines, Friction lock for. J. A. Nordin. 1,499,685; July 1.
Metal articles, Machine for sawing. F. W. Erickson. 1,499,814; July 1.
Metal articles, Method and machine for sawing. F. W. Erickson. 1,499,813; July 1.
Metal foil, Machine for wrapping and sealing. E. J. Conley and E. J. Whalen. 1,499,505; July 1.
Meter: *See*—
Flow meter.
Microscope. H. N. Ott. 1,500,030; July 1.
Milk-bottle opener. C. Di Tosto. 1,500,015; July 1.
Mill: *See*—
Pulverizing mill.
Milling machine. W. C. Sproul. 1,499,754; July 1.
Mixer: *See*—
Batch mixer.
Mixing machine. W. N. Stevens. 1,499,890; July 1.
Molding and baking machinery. S. E. Winder. 1,499,494; July 1.
Mop. C. K. Armstrong. 1,500,042; July 1.
Mop. W. Nolet. 1,499,684; July 1.
Mop wringer. P. C. Courtemanche. 1,500,058; July 1.
Motor: *See*—
Fluid-current motor.
Motor-starting switch. L. M. Persons. 1,499,842; July 1.
Motors and dynamos, Disk commutator for electro. H. Markwalder. 1,499,622; July 1.
Muffler. A. Nashlund. 1,499,083; July 1.
Music sheets and the like, Tracking device for. S. W. Warner. 1,499,893; July 1.
Nail. C. H. Kassabaum. 1,499,826; July 1.
Nail clipper. F. Lobl. 1,499,673; July 1.
Necktie holder. P. L. Markey. 1,499,389; July 1.
Neckwear contrivance. M. Colton. 1,499,504; July 1.
Nitrogenous waste material, Method of and apparatus for treating. F. N. Moerk. 1,499,626; July 1.
Nitrous oxide, Making. M. P. Miller and M. F. Roche. 1,499,544; July 1.
Nutcracker. E. G. Hagadorn. 1,499,653; July 1.
Nut, Lock. L. Ravier. 1,499,873; July 1.
Oil burner. J. A. Belnir and R. M. Scott. 1,499,848; July 1.
Oil burner. J. Heinzel. 1,499,734; July 1.
Oil burner, Hydrocarbon-. C. E. Eckerle. 1,499,355; July 1.
Oil container. L. A. Amis. Des. 65,044; July 1.
Oil, Distilling. J. J. Allinson. 1,500,040; July 1.
Oil-distilling apparatus. J. J. Allinson. 1,500,041; July 1.
Oil from wells, Method and apparatus for extracting. F. Navin. 1,499,589; July 1.
Optical slides, Method and apparatus for printing multi-color. J. J. Ormond. 1,499,997; July 1.
Ore, Apparatus for handling. C. E. Davis. 1,499,912; July 1.
Ore-concentrating machine. C. J. Williams. 1,499,847; July 1.
Ore concentrator. L. H. Peck and W. A. Olson. 1,499,471; July 1.
Oven or display device. C. G. Turner. 1,499,957; July 1.
Oyster shucker, Automatic. G. W. Beyerle. 1,499,965; July 1.
Package, Candy. A. W. Holland. 1,499,369; July 1.
Package, Shipping. M. A. Rollman. 1,499,553; July 1.
Packaging articles, Machine for. W. M. Spry. 1,499,703; July 1.
Pan: *See*—
Air pan. Frying pan.
Paper. T. L. Stone. Des. 65,082; July 1.
Paper-hanger's straightedge. J. Reinhart. 1,499,874; July 1.
Paper or any material being perforated, Device for freeing points of a perforating rule from. J. W. Hejda. 1,499,457; July 1.
Paper, Package for roll. E. H. Distin. 1,499,808; July 1.
Paper, Wrapping. G. O. Kolb. Des. 65,068; July 1.
Parachute mounting. C. Dornier. 1,499,643; July 1.
Partition, Folding. H. W. Maurer. 1,499,678; July 1.
Pattern construction for the numbering of castings. J. Manu. 1,499,744; July 1.
Pencil. R. T. Bell. 1,499,440; July 1.
Pencil, Mechanical. B. B. Goldsmith. 1,499,610; July 1.
Penholder. J. J. McComish. 1,499,940; July 1.
Permutation lock. W. C. Rule. 1,499,554; July 1.
Phonograph, Magnetic. W. Hagemann. 1,499,521; July 1.
Phonograph reproducer. J. Hoffay. 1,499,658; July 1.
Photographic process. F. E. Ives. 1,499,930; July 1.
Photographic silver images, Composition for toning. P. Rehlander. 1,499,749; July 1.
Picker: *See*—
Berry picker.
Pictures and sound waves at the same time, Method and apparatus for producing moving. E. Reisz. 1,500,037; July 1.
Pipe: *See*—
Drain pipe. Smoking pipe.
Smoker's pipe.
Pipe clamp. A. Kinsey. 1,499,828; July 1.
Pipe coupling, Rotary well-boring. O. B. Kibele. 1,499,581; July 1.
Pipe covering and making same. F. L. Pilliod. 1,499,781; July 1.
Pipe joint. J. Barnes. 1,499,962; July 1.

Pipe support, Retractable. J. B. Ladd. 1,499,620; July 1.
Pipes from molds, Mechanism for drawing cast. J. B. Ladd. 1,499,621; July 1.
Pipes, Swivel joint for. J. W. Brown, jr. 1,499,851; July 1.
Pipes, tubes, and the like, Method of and apparatus for use in the manufacture of. L. Billé. 1,499,719; July 1.
Pipestem cleaner. J. J. McCarthy. 1,499,541; July 1.
Piston and rod. T. M. Smith, and J. F. Werhosek. 1,500,010; July 1.
Piston, Explosion-engine. G. W. Lynch. 1,499,992; July 1.
Piston ring. M. A. Davis. 1,499,571; July 1.
Piston ring. F. M. Howe. 1,499,580; July 1.
Piston unit. W. C. Bell. 1,499,964; July 1.
Plaiting and braiding machine. C. Hausberg. 1,499,732; July 1.
Plane, Smoothing. H. W. Hargis. 1,499,655; July 1.
Plate lifter. F. C. Wernet. 1,499,959; July 1.
Platform, Vibratory. E. Bowers. 1,499,967; July 1.
Platter. F. J. Cross. Des. 65,055; July 1.
Plowpoint. F. Petersen. 1,499,402; July 1.
Polish, Furniture. R. Leis. 1,499,463; July 1.
Pool-ball tray. E. J. Savoie. 1,499,407; July 1.
Porcelain wall fitting. W. Elstein. 1,499,511; July 1.
Post: *See*—
Adjustable post. Lamp post.
Postmark stamp. A. H. Pitney. Des. 65,077; July 1.
Potato-cutting machine. H. J Smith. 1,499,950; July 1.
Power-generating mechanism. J. C. Caldwell. 1,500,051; July 1.
Power system. C. Macmillan. 1,499,542; July 1.
Power-transmission device. B. W Klein. 1,499,934; July 1.
Power-transmitting and speed-reducing mechanism. K. Davis. 1,499,763; July 1.
Preparation of artificial base-exchanging bodies. O. W. Willcox. 1,499,492; July 1.
Press: *See*—
Trouser press.
Presses, Construction of racquet. J. E. Coltman. 1,500,054; July 1.
Pressure-difference indicator, Direct-reading. H. B. Lee. 1,499,384; July 1.
Pressure gauge. O. W. Heise and C. H. Graesser. 1,499,657; July 1.
Printing by transfer, Method of and machine for. J. J. Ormond. 1,499,998; July 1.
Pruning shears. J. Urban. 1,499,565; July 1.
Pulley. H. M. Gusdorf. 1,499,520; July 1.
Pulling and lifting device. E. L. Wishon. 1,499,715; July 1.
Pulverizing mill. G. H. Fraser. 1,499,516; July 1.
Pump, Chain. R. Long. 1,499,386–7; July 1.
Pump for wells. J. B. Rebold. 1,499,691; July 1.
Pump jack. G. Corwette. 1,500,059; July 1.
Pumping equipment for wells. W. B. Pine and I. V. Martin. 1,499,690; July 1.
Pumps, Clutch device for. S. N. Hall. 1,499,923; July 1.
Push-button switch. H. D. James. 1,499,370; July 1.
Quill-can support. C. W. Merritt. 1,499,995; July 1.
Radiator-cap ornament. C. W. Kauffman. Des. 65,061; July 1.
Radiocabinet. A. O. Price. Des. 65,079; July 1.
Radio loud speaker. J. Wolff. Des. 65,093; July 1.
Rail. N. E. Salsich. 1,499,597; July 1.
Rail joint. A. Mettras. 1,499,836; July 1.
Rail-joint base plate. F. E. Abbott. 1,499,324; July 1.
Railway and like vehicles, Automatic coupling for. W. G. Boongaier. 1,499,966; July 1.
Railway gate, Pneumatically-operated. P. P. O'Connell. 1,499,687; July 1.
Railway-guard-rail supplement. M. J. McNamara. 1,499,743; July 1.
Railway signal, Automatic. A. B. Harper. 1,499,982; July 1.
Railway-track construction. C. F. Gallor and C. H. Clark. 1,499,767; July 1.
Railway tracks. Guard-rail fixture for. T. Maney. 1,500,087; July 1.
Razor blade, Safety-. C. Schoenert. 1,499,698; July 1.
Reamer, Pilot. C. Bush. 1,499,970; July 1.
Receptacle. H. G. Sibbald. 1,500,007; July 1.
Record follo, Disk-. W. Wilburger. 1,499,712; July 1.
Reel: *See*—
Hose reel.
Refrigerating apparatus. R. W. Tibbetts. 1,499,489; July 1.
Refrigerating machinery, Compressor for. F. H. Kolbe. 1,499,740; July 1.
Regulator: *See*—
Electric-current regulator.
Retort and furnace. L. H. Bonnard. 1,499,850; July 1.
Retort, Gas. H. Wood. 1,499,567; July 1.
Retort or still. F. Lamplough and N. C. T. Harper. 1,499,378; July 1.
Rifles, Bearing for. H. A. Kennedy. 1,499,460; July 1.
Rim. C. A. Volz. 1,499,566; July 1.
Ring: *See*—
Clutch ring. Piston ring.
Rivet or clip. W. G. Wilson. 1,500,021; July 1.
Rivet-setting tool. F. Kotowski. 1,499,668; July 1.
Rock crushers, Impeller for. A. D. Hadsel. 1,499,455; July 1.
Rod-securing means. B. T. Williston and H. E. Eddy. 1,499,432; July 1.
Rolling mills, Means for supporting the rolls of. R. Hein. 1,499,656; July 1.
Roof truss. A. E. Shodin. 1,499,557; July 1.
Roofing, Tile. S. B. Myers. 1,499,398; July 1.
Rotary cutter. R. G. Bartlett. 1,500,045; July 1.
Rubbish burner, Collapsible. J. Kaufman. 1,499,665; July 1.
Saddle traversing and locking mechanism, Combined. W. T. Sears. 1,499,413; July 1.
Safety switch. L. P. Hynes and P. M. Griffin. 1499,736; July 1.
Safety switch. R. S. Rhodes. 1,499,751; July 1.
Sample case. H. H. Labadie, B. B. Beers, and W. M. Brand. 1,499,741; July 1.
Sand cutting and screening machine. J. S. Townsend. 1,499,426; July 1.
Sanitary bathing appliance. C. H. Windsor. 1,499,495; July 1.
Sash, Double-hung steel. M. Zeman. 1,499,436; July 1.
Sash fastener. W. Stricker. 1,499,486; July 1.
Sawing machine, Pipe cutting or. F. W. Erickson. 1,499,812; July 1.
Sawmill. L. H. Street. 1,499,756; July 1.
Scale, Fan and dial pendulum. H. O. Hem. 1,499,776; July 1.
Scale, Weighing. H. O. Hem. 1,499,775; July 1.
Screen: *See*—
Advertising display screen. Well screen.
Screw driver. F. Weissbeck and L. Tibbals. 1,499,491; July 1.
Screw-driving machine. F. C. Snyder, J. C. Steen, and G. F. McNulty. 1,499,887; July 1.
Screw-thread-gauge device. B. M. W. Hanson. 1,499,729; July 1.
Scuttle, Coal. J. J. Bimler. 1,500,048; July 1.
Searchlight. S. Grebel. 1,499,651; July 1.
Sedans and coupés, Combination lock for. O. E. Beckman. 1,499,963; July 1.
Separator: *See*—
Air separator. Fluid-current separator.
Cream separator. Gas and oil separator.
Separator. G. H. Fraser. 1,499,517; July 1.
Separator. G. H. Fraser. 1,499,720–1; July 1.
Separator. T. J. Sturtevant. 1,500,090; July 1.
Separator. T. J. Sturtevant and E. A. Sawyer. 1,499,892; July 1.
Shade adjuster, Window-. G. T. Bundy, jr. 1,499,340; July 1.
Shade-roller and curtain-pole bracket, Combined. A. E. Packer. 1,499,401; July 1.
Shaft coupling. A. T. Kasley. 1,499,618; July 1.
Shaft-turning tool. W. Z. Linders. 1,499,939; July 1.
Sharpener, Electric pencil. J. Groeger. 1,499,519; July 1.
Sharpener, Pencil. C. A. Conover. 1,500,056; July 1.
Shears. W. H. Lutz. 1,500,024; July 1.
Sheep-shearing-machine comb. F. G. W. Bristow. 1,499,604; July 1.
Sheet of folded material. J. O. Hunt. 1,499,926; July 1.
Ships, Device for favorably guiding the propeller water of. H. Hass. 1,500,073; July 1.
Ships, Means for steadying. G. F. Zucker. 1,499,900; July 1.
Ships, Propelling mechanism for. J. Worcester. 1,499,716; July 1.
Shock absorber. L. E. Atwell, J. Grant, and C. E. White. 1,500,044; July 1.
Shock absorber. E. S. Church and F. J. Shepard, jr. 1,499,606; July 1.
Shock absorber. J. S. Lang. 1,499,379; July 1.
Shock absorber, Liquid. M. Houdaille. 1,499,660; July 1.
Shoe, Climbing. P. Hagemann. 1,499,733; July 1.
Shoe-stiffening material. C. E. Swett. 1,499,488; July 1.
Shoe stretcher. J. G. Floresta and J. Zanghi. 1,499,815; July 1.
Shower-bath arrangement. J. Tomasello. 1,499,425; July 1.
Sifter. A. M. Elgin. 1,500,062; July 1.
Sifter, Flour. A. R. De Long. 1,499,860; July 1.
Sign, Luminous reflection. G. D. Palmer and J. F. Castillo. 1,499,688; July 1.
Signal: *See*—
Mail-box signal. Railway signal.
Signal device and circuit closer therefor. L. R. Tuten. 1,499,708; July 1.
Signaling system, High-speed. H. E. Hallborg. 1,499,865; July 1.
Silicates for industrial purposes, Preparing exchange. J. B. Wherry. 1,499,795; July 1.
Siphon, Automatic. R. J. Andrews. 1,499,568; July 1.
Skate. W. D. Crawford. 1,499,448; July 1.
Slab form. L. L. Eldridge. 1,499,572; July 1.
Slack adjuster. C. C. Farmer. 1,499,357; July 1.
Sleeper support. S. L. Heidrich. 1,499,983; July 1.
Sleigh, Power-driven. M. Demangeon. 1,499,806; July 1.
Smokejack. A. J. Filkins. 1,499,512; July 1.
Smoker's pipe. B. B. Goldsmith. 1,499,518; July 1.
Smoker's set. J. Gossner. 1,499,650; July 1.

Smoking pipe. G. W. Conley. 1,500,055; July 1.
Soda-water fountain. A. S. Mandel. 1,499,466; July 1.
Soldering instrument. G. A. Renstrom. 1,499,945; July 1.
Sound box. T. C. Roberts and F. C. Hinckley. 1,499,946; July 1.
Sound reproducer. G. W. Slight. 1,500,008; July 1.
Sound-reproducing machines, Automatic stop for. J. J. Kennedy. 1,499,666; July 1.
Spark arrester. R. Adams. 1,499,437; July 1.
Spark plug. L. R. Goetz. 1,499,921; July 1.
Spark plug. E. B. Riley. 1,499,594; July 1.
Speed, Apparatus for measuring. A. Seguin. 1,499,881; July 1.
Spool holder. D. C. Williams. 1,500,020; July 1.
Spoon or similar article. J. Leech. Des. 65,072; July 1.
Spring: *See*—
Vehicle spring.
Stamp or label applying machine. G. W. Gwinn and J. W. Leary. 1,499,822; July 1.
Statuette. C. C. Johnson. Des. 65,060; July 1.
Statuette, Group. J. Altman. Des. 65,043; July 1.
Steam plants, Steam-accumulator apparatus for. J. K. Ruths. 1,499,697; July 1.
Steel article and making same, Sheet-. C. W. Kirsch. 1,499,985; July 1.
Stepladder and ironing board, Combined. F. A. Charland. 1,499,343; July 1.
Stock-watering device. T. Ritchie. 1,499,999; July 1.
Stockings, Treating silk. E. Mendelsohn. 1,500,026; July 1.
Stop-motion device. W. S. Mills and H. E. Bisaillon. 1,499,867–8; July 1.
Storage battery. S. H. Brown. 1,499,907; July 1.
Storage-battery cell. R. J. Anderson. 1,499,901; July 1.
Storage batteries, Separator for. F. W. Frahm. 1,499,863; July 1.
Stove. W. F. Allen. Des. 65,042; July 1.
Stove, Gas. A. F. Glass. 1,499,362; July 1.
Stud driver. L. Skeel. 1,499,701; July 1.
Stuffing boxes for revolving shafts of all kinds, and especially of turbine shafts, Construction of. J. Leroy. 1,499,583; July 1.
Stump burner. O. Kohse. 1,499,373; July 1.
Sugar holder. J. M. Bardera. 1,499,902; July 1.
Support. S. L. Heidrich. 1,499,984; July 1.
Suppository and making same. F. D. Crane and W. J. Schieffelin. 1,499,348; July 1.
Suspenders of trousers, Shield for. R. A. O. Walter. 1,500,017; July 1.
Switch: *See*—
Electromagnetic switch. Push-button switch.
Motor-starting switch. Safety switch.
Switch box, Safety. F. R. Oberlander. 1,499,996; July 1.
Syringe, Ampul-. H. Spahlinger. 1,499,952; July 1.
Syringe, Hypodermic. H. C. Deane. 1,499,508; July 1.
Syringe, Surgical. A. S. Wolfe. 1,499,899; July 1.
Syringe, Valveless suction and force. L. Jubé. 1,499,662; July 1.
Switch box. H. K. Krantz. 1,499,374; July 1.
Switching system. J. C. Field. 1,499,766; July 1.
Table: *See*—
Drill-press table.
Table and ironing board, Combined. M. Goodman. 1,500,068; July 1.
Tables, Platen for stereotype drying. W. W. McCarroll. 1,499,779; July 1.
Tank filler. H. Craig. 1,499,642; July 1.
Tanks or the like, Closure for. C. L. Arnold. 1,499,629; July 1.
Target trap. W. L. Spangler. 1,499,845; July 1.
Teeth-cleaning instrument. E. L. Chott. 1,499,345–6; July 1.
Telegraphy. A. Ebeling. 1,499,646; July 1.
Telephone system, Automatic. W. T. Powell. 1,499,871; July 1.
Tent-supporting apparatus. A. G. C. Muehlsiepen. 1,499,395; July 1.
Testing machine. A. E. Oxley. 1,499,546; July 1.
Textile-fabric package, Special. L. Marx. 1,499,994; July 1.
Thermostat for typecasting machines. H. A. Lux. 1,499,834; July 1.
Thread clearer. S. Hyslop. 1,499,929; July 1.
Thread cutter. F. B. Herring. 1,499,823; July 1.
Thread-milling machines, Reversing mechanism for. F. J. Larson. 1,499,381; July 1.
Threads, Tolerance gauge for tapered. B. M. W. Hanson. 1,499,731; July 1.
Tile-plate machine. J. Kurkowski. 1,499,537; July 1.
Tile, Roofing. S. B. Myers. 1,499,397; July 1.
Timbers, Preservative treatment for. G. B. Shipley. 1,499,791; July 1.
Time-controlled apparatus. B. Brault. 1,499,968; July 1.
Tire alarm, Soft-. O. Nelson. 1,499,590; July 1.
Tire-chain shoe. E. Francis. 1,499,648; July 1.
Tire-chain tightener and fastener, Combined. F. C. Kies. 1,499,667; July 1.
Tire, Nonpneumatic. A. Egg. 1,499,810; July 1.
Tire, Pneumatic. S. B. Robertson. Des. 65,081; July 1.
Tire, Pneumatic vehicle-. J. L. Helton. 1,499,392; July 1.

Tire pressure gauge. A. Badowski. 1,499,327–8; July 1.
Tire tread. H. D. Reichard. Des. 65,080; July 1.
Tires, Mold for the manufacture of resilient. E. J. Taylor. 1,499,793; July 1.
Tires, Pressure gauge for. A. Badowski. 1,499,497; July 1.
Toaster and heater, Electric. A. Wyzenbeek. 1,499,757; July 1.
Toaster or similar article, Electric. G. E. Curtiss. Des. 65,056; July 1.
Tongs. M. F. Yount. 1,499,435; July 1.
Tractors, Distance control mechanism for. E. Litton. 1,499,990; July 1.
Tongs, Barrel. A. H. Evans. 1,499,574; July 1.
Tongs, Clinker. C. F. Skoog. 1,499,753; July 1.
Tongs, Pipe. W. C. Reynolds. 1,499,552; July 1.
Tool, Compound. J. G. Stech. 1,499,416; July 1.
Tooth, Artificial. A. Steckelmacher. 1,499,417; July 1.
Top spinner. E. L. Cayo. 1,499,803 July 1.
Towline take-up. W. Northrup. 1,499,686; July 1.
Toy. S. C. Blas. 1,500,047; July 1.
Toy, Electric. E. Foderaro. 1,499,816; July 1.
Toy horse. A. Pollman. 1,500,033; July 1.
Toy, Mechanical. F. Strauss and A. Dingfeld. 1,499,485; July 1.
Toy pistol. J. Kellermann. 1,500,079; July 1.
Toy, Sounding. E. E. Landon. 1,499,539; July 1.
Tractor. H. F. Schmidt. Re15,870; July 1.
Tractor hitch. A. H. Krueger. 1,499,669; July 1.
Traffic-signaling apparatus for street crossings. J. W. Brenkert. 1,499,906; July 1.
Transmission. R. A. Beckwith. 1,499,634; July 1.
Transmission mechanism. W. C. Stevens. 1,499,418; July 1.
Trap: *See*—
Insect trap. Target trap.
Trap. O. F. Bunn. 1,500,050; July 1.
Tray, Foldable posting. C. B. Harrison. 1,499,527; July 1.
Tray, Impression. I. Chige and I. Zndikow. 1,499,344; July 1.
Trend grip. C. L. Hoff. 1,499,579; July 1.
Tree treating. F. L. Lanphere. 1,499,671; July 1.
Trolley harp and means for effectively operating the same. H. Ramelow. 1,499,548; July 1.
Trough end, Metal feed-. A. G. Meister. 1,499,542; July 1.
Trouser press. J. W. Cooper. 1,499,506; July 1.
Truck. J. W. Henderson. 1,499,530; July 1.
Trucks, Corner iron for. E. Dietz. 1,500,092; July 1.
Tube cutter. G. Wiedeke. 1,499,429; July 1.
Tubes and a continuous mill therefor, Method of manufacturing. J. A. Katzenmeyer. 1,499,535; July 1.
Tubes, etc., Splicing of pneumatic. W. F. Russell and M. K. Stevens. 1,499,752; July 1.
Tubing-head heater. J. C. Woodson. 1,499,434; July 1.
Tubing spider. C. H. Benckenstein. 1,499,635; July 1.
Tumbler or similar article. E. B. Adams. Des. 65,041; July 1.
Turbine water wheel. J. H. Prince. 1,499,475; July 1.
Typewriting and computing machine, Combined. L. L. Ansart. 1,499,326; July 1.
Typewriting machine. A. G. F. Kurowski. 1,499,936; July 1.
Typewriting machine. J. Lagulonie. 1,499,582; July 1
Typewriting machine. J. A. B. Smith. 1,499,415; July 1.
Typewriting machine. J. Waldheim. 1,499,709; July 1.
Typewriting machines for feeding, cutting off, and removing forms, Device for. W. Schoenenberg. 1,499,410; July 1.
Undergarment. H. B. Ferguson. 1,499,915; July 1.
Universal joint. A. T. Kasley. 1,499,371; July 1.
Vacuum cleaner for inclosed passenger vehicles. W. Leathers. 1,499,937; July 1.
Valve. J. K. Robinson. 1,499,478; July 1.
Valve chambers and cylinders, Piston for use in cylindrical. J. M. Mason. 1,499,677; July 1.
Valve, Drain. F. H. Etzenhouser. 1,499,451; July 1.
Valve, Float. H. Mittel. 1,499,837; July 1.
Valve lock. W. O. Kaiser. 1,499,663; July 1.
Valve, Safety or relief. G. A. Parker. 1,499,840; July 1.
Valve-seat-removing mechanism. H. Foley. 1,499,917; July 1.
Valve silencer. A. C. Ennis. 1,499,573; July 1.
Valve-spring lifter. H. A. R. Peterson. 1,499,843; July 1.
Valve-stem silencer. A. E. Hutt. 1,499,928; July 1.
Valve, Stop and check. R. A. Hern. 1,499,578; July 1.
Valve, Throttle. W. G. Naismith. 1,499,470; July 1.
Valve, Throttling. B. T. Williston. 1,499,433; July 1.
Vanity box. M. Freund. 1,499,361; July 1.
Vanity case. C. N. Coryell. 1,499,855–6; July 1.
Vehicle bodies, Detachable upholstery for metallic. P. E. Breneman. 1,499,339; July 1.
Vehicle pulling device. J. L. Dibrell. 1,499,357; July 1.
Vehicle spring. G. A. Gemmer. 1,499,768; July 1.
Vehicle spring. W. Haselherst. 1,499,654; July 1.
Vehicles, Automatic safety device for. R. V. Glover. 1,499,576; July 1.
Vehicles, Controlling means for motor-driven. W. E. Tullar. 1,499,427; July 1.
Vehicles, Dust-laying device for motor. A. Bandelier. 1,499,760; July 1.

Vehicles, System of communication with moving. H. A. Affel. 1,499,438; July 1.
Velocipede, Figure. M. Singer. 1,499,884; July 1.
Ventilation and operating means therefor, System of. W. Sykes. 1,499,423; July 1.
Ventilator: *See*—
Automatic ventilator.
Vessel for navigation under ice, Submersible. S. Lake. 1,500,000; July 1.
Vise for use with machine tools. F. Lehmann. 1,499,989; July 1.
Wagon, Dumping. R. R. Brown. 1,499,969; July 1.
Wall construction. W. A. L. Schaefer. 1,499,787; July 1.
Wall construction. J. H. Simms. 1,499,483; July 1.
Washing machines, Positively-actuated clutch for. J. F. Lamb. 1,499,742; July 1.
Watch. W. A. Reed. 1,499,692; July 1.
Watch winding device. J. A. Freund. 1,499,609; July 1.
Watchcase bow. A. P. Conant. Des. 65,054; July 1.
Water heaters, Thermostatic controller for gas. B. Ryan. 1,499,947; July 1.
Weighing apparatus, Automatic. M. Mathieu. 1,499,623; July 1.
Weighing mechanism. E. C. Pool. 1,499,782; July 1.
Welding, Electric. S. Dyhr. 1,499,645; July 1.
Welding, Electric-arc. E. Gruenfeldt. 1,499,770; July 1.
Welding machine. E. A. Bienenstok. 1,499,498-9; July 1.
Well-drilling apparatus, Material-testing appliance for. J. T. Rea. 1,499,550; July 1.
Well mechanism. M. E. Layne and S. N. Hall. 1,499,383; July 1.
Well packer. H. W. Fletcher. 1,499,916; July 1.
Well screen. M. E. Layne. 1,499,382; July 1.
Wells, Back-pressure valve for oil and artesian. A. L. Smith. 1,499,702; July 1.
Wheel: *See*—
Automobile wheel. Turbine water wheel.
Wheel attachment, Vehicle. H. J. Strauss. 1,499,705; July 1.
Wheel for motor and other road vehicles, Disk. H. H Duke. 1,499,809; July 1.
Wheel rim, Automobile. F. R. Klaus and H. W. Kranz. 1,499,739; July 1.
Winding machine. F. A. Morin. 1,499,681; July 1.
Windlass for the loading of vehicles, Hauling. R. Larmignat. 1,499,380; July 1.
Window cleaner. G. C. Sherman. 1,500,006; July 1.
Window-cleaning device. G. W. Tyler. 1,499,563; July 1.
Window construction. W. C. Lea. 1,499,540; July 1.
Window-control mechanism. S. W. Nicholson. 1,499,545; July 1.
Window-sash opener. W. F. Rotermund. 1,499,876; July 1.
Window, Ventilating. C. Poehner. 1,500,032; July 1.
Wire stretcher. J. M. Martin. 1,499,993; July 1.
Wireless receiving circuit. M. C. Batsel. 1,499,331; July 1.
Wireless receiving circuits, Tuning device for. C. M. Gray. 1,499,979; July 1.
Wood, Impregnating. H. Finkelstein. 1,500,066; July 1.
Wood into pulp, Machine for grinding. P. Priem. 1,499,547; July 1.
Wood pulp to be converted into paper, Extracting certain valuable constituents as by-products from the cooking liquors derived from the production of. E. G. Goodell. 1,499,363; July 1.
Wood-turning machine. L. H. Burlin. 1,499,802; July 1.
Work sheet, Collated. J. A. Wherry. 1,499,711; July 1.
Wrench. S. Champion. 1,499,804; July 1.
Wrench. L. O. Wright. 1,499,717; July 1.
Wringer: *See*—
Mop wringer.
Yarn changer. W. Larkin. 1,500,083; July 1.

CLASSIFICATION OF PATENTS

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24: 1,499,629
1,499,919
39: 1,499,988
41: 1,500,023
44: 1,499,461
51: 1,499,405
221— 80: 1,499,642
224— 5: 1,499,977
29: 1,500,067
48: 1,500,018
225— 21: 1,499,466
226— 25: 1,499,338
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96: 1,499,366
227— 8: 1,499,733
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228— 4: 1,499,343
229— 42: 1,499,369
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87.5: 1,499,352
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250— 41: 1,499,404
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260— 53: 1,500,013
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302— 49: 1,499,396
305— 10: R. 15,870

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Albers Bros. Milling Co., San Francisco, Calif. Rolled oats. 186,433; July 8; Serial No. 193,881; published Apr. 29, 1924.

Alling & Cory Company, The, Pittsburgh, Pa. Sulphite bond writing paper. 186,370; July 8; Serial No. 192,351; published Apr. 22, 1924.

Alt Woolen Company, Inc., New York, N. Y. Woolen and worsted piece goods. 186,471; July 8; Serial No. 193,018; published Apr. 29, 1924.

Amalgamated Silk Corporation, Wilmington, Del., and New York, N. Y. Manufactured silk piece goods. 186,425; July 8; Serial No. 193,373; published Apr. 29, 1924.

American Beslin Corporation, New York, N. Y. Germicide and antiseptic, tablets, ointments, etc. 186,357; July 8; Serial No. 192,051; published Apr. 29, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,274–5; July 8; Serial Nos. 192,951–2; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,378–9; July 8; Serial Nos. 191,464–5; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,380; July 8; Serial No. 191,468; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,381; July 8; Serial No. 191,466; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,384–6; July 8; Serial Nos. 191,735–7; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,390; July 8; Serial No. 191,862; published Apr. 15, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,391–3; July 8; Serial Nos. 191,864–6; published Apr. 15, 1924.

Atkins, E. C., & Company, Indianapolis, Ind. Leather and rubber belting. 186,336; July 8; Serial No. 180,576; published Oct. 23, 1923.

Audiger & Meyer Silk Co., The, Paterson, N. J., and New York, N. Y. Silk piece goods. 186,271; July 8; Serial No. 193,983; published May 27, 1924.

Babson Park Citrus Growers Association, Babson Park, Fla. Fresh citrous fruits. 186,279; July 8; Serial No. 193,565; published Apr. 29, 1924.

Bakal, S., and Son, New York, N. Y. Snap fasteners. 186,371; July 8; Serial No. 192,354; published Apr. 15, 1924.

Bamberger, L., & Co., Newark, N. J. Golf shirts. 186,465; July 8; Serial No. 192,748; published Apr. 22, 1924.

Barron Co-Operative Creamery Company, Barron, Wis. Butter. 186,483; July 8.

Bendix & Fiber, Inc., New York, N. Y. Silk goods in the piece. 186,358; July 8; Serial No. 192,057; published Apr. 29, 1924.

Big Store Co., The, Cincinnati, Ohio. Name and designation of a monthly magazine. 186,325; July 8; Serial No. 190,629; published Apr. 22, 1924.

Black Manufacturing Co., The, Seattle, Wash. Overalls, pants, knickers, etc. 186,322; July 8; Serial No. 190,757; published Apr. 22, 1924.

Blair Canning Company. (See Dawson, Clarence O.)

Bleyer & Weinberg, New York, N. Y. Silk piece goods. 186,284–5; July 8; Serial Nos. 193,653–4; published Apr. 29, 1924.

Bleyer & Weinberg, New York, N. Y. Silk piece goods. 186,286; July 8; Serial No. 193,656; published Apr. 29, 1924.

Boss Manufacturing Company, The, Kewanee, Ill. Workingmen's jersey-cloth gloves. 186,417; July 8; Serial No. 190,444; published Apr. 15, 1924.

Bray, Geo., & Co., Limited, Leeds, England. Gas burners. 186,280; July 8; Serial No. 193,569; published Apr. 29, 1924.

Breslauer, A., Inc., New York, N. Y. Transformations, hair pieces, switches, pompadours. 186,318; July 8; Serial No. 190,998; published Apr. 8, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Aluminum cleanser. 186,273; July 8; Serial No. 192,954; published Apr. 22, 1924.

Burns, Arlington E., New York, N. Y. Hosiery. 186,459; July 8; Serial No. 192,064; published Apr. 22, 1924.

Buse, Gustavus G., Buffalo, N. Y. Coffee. 186,278; July 8; Serial No. 193,501; published Apr. 29, 1924.

Candy Crabb Stores Co., Inc., Battle Creek, Mich. Candy. 186,454; July 8; Serial No. 189,489; published Apr. 29, 1924.

Charles, John, doing business as Fort Wayne Chemical Company, Fort Wayne, Ind. Compositions for dry-cleaning gloves and hats and for bleaching hats. 186,347; July 8; Serial No. 189,552; published Apr. 15, 1924.

Charles, William W., doing business as Diamond Dust Company, Decatur, Ill. Razor-strop coatings and softeners. 186,304; July 8; Serial No. 173,997; published Apr. 22, 1924.

Chase Candy Company, St. Joseph, Mo. Candy. 186,414; July 8; Serial No. 188,089; published Apr. 29, 1924.

Chief Rug & Mattress Cleaning Co. (See Kirchner, August J.)

Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 186,394; July 8; Serial No. 191,939; published Apr. 22, 1924.

College Heights Orange & Lemon Association, Claremont, Calif. Fresh citrous fruits. 186,290; July 8; Serial No. 193,627; published Apr. 29, 1924.

Columbus Chemical Co. (See Flood, Walter H.)

Commonwealth Tailors. (See Globe Tailoring Company.)

Corliss, Macy & Co. Inc., New York, N. Y. Monthly periodicals. 186,408; July 8; Serial No. 184,653; published Apr. 22, 1924.

Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, etc. machinery and equipment. 186,349–51; July 8; Serial Nos. 189,761–3; published Apr. 22, 1924.

Crofoot, J. B., Co., Arlington Heights, Ill. Staples and stapling machines. 186,364; July 8; Serial No. 192,246; published Apr. 22, 1924.

Crozine Products Company, The, New York, N. Y. Cleansing and soap compounds. 186,305; July 8; Serial No. 174,013; published Apr. 22, 1924.

Dalley, F. F., Company, Inc., Buffalo, N. Y. Auto top dressing. 186,341; July 8; Serial No. 188,748; published Apr. 8, 1924.

Dawson, Clarence O., doing business as Blair Canning Company, Blair, Nebr. Canned vegetables. 186,481; July 8.

Dermody, Leo. A., doing business as The Evap-O-Brite Co., Omaha, Nebr. Cleaning compound. 186,376; July 8; Serial No. 192,819; published Apr. 22, 1924.

Deutz & Ortenberg, Inc., New York, N. Y. Blouses, waists, gowns, and dresses. 186,337; July 8; Serial No. 186,979; published Apr. 22, 1924.

Dex Company, New York, N. Y. Indexing devices. 186,387; July 8; Serial No. 191,756; published Apr. 22, 1924.

Diamond Dust Company. (See Charles, William W.)

Dowd, J. C., & Co. Inc., New York, N. Y. Receptacles. 186,276; July 8; Serial No. 192,898; published Apr. 22, 1924.

Duchaine, Paul, New Bedford, Mass. Bread. 186,406; July 8; Serial No. 176,170; published Apr. 22, 1924.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 186,256; July 8; Serial No. 193,508; published Apr. 29, 1924.

Earl Fruit Company, San Francisco, Calif. Fresh grapes. 186,281–2; July 8; Serial Nos. 193,578–9; published Apr. 29, 1924.

Eavey Company, The, Xenia, Ohio; Ft. Wayne, Richmond, and Huntington, Ind.; and Sturgis, Mich. Soap. 186,270; July 8; Serial No. 193,034; published Apr. 22, 1924.

Eckel, Francis S., Los Angeles, Calif. Fresh deciduous and citrous fruits and green vegetables. 186,334; July 8; Serial No. 182,655; published Apr. 22, 1924.

Eckel, Louis, Mount Vernon, N. Y. Pies. 186,431; July 8; Serial No. 193,664; published Apr. 29, 1924.

Economics Laboratory, Incorporated, St. Paul, Minn. Cleaning compound. 186,368; July 8; Serial No. 192,319; published Apr. 22, 1924.

Electrotype Blocking Co. Inc., New York, N. Y. Cabinets to contain radio outfits. 186,342; July 8; Serial No. 188,993; published Apr. 15, 1924.

Emerling, Maxwell A., doing business as Knickerbocker Hair Cloth Co., New York, N. Y. Haircloth, cotton, and woolen piece goods and combinations thereof. 186,287; July 8; Serial No. 193,665; published Apr. 29, 1924.

Evap-O-Brite Co., The. (See Dermody, Leo. A.)

Everett Fruit Products Company, Everett, Wash. Canned berries, fruits, and vegetables. 186,480; July 8.

Faatz Manufacturing Co., Fredericksburg, Va. Dressing oil. 186,269; July 8; Serial No. 193,035; published Apr. 22, 1924.

Farrow, David T., doing business as D. T. Farrow Chickeries, Peoria, Ill. Young live chickens. 186,479; July 8.

Fawcett, Hughes, New York, N. Y. Shoe laces and braids. 186,343; July 8; Serial No. 189,045; published Apr. 8, 1924.

Feibleman, L., & Co., Inc., New Orleans, La. Bed and table linens. 186,330; July 8; Serial No. 185,454; published Apr. 29, 1924.

Filene's, Wm., Sons Company, Boston, Mass. Chart of graduated colors and matter pertaining to the use thereof. 186,377; July 8; Serial No. 191,376; published Apr. 22, 1924.
Fisher Bros. Paper Co., Fort Wayne, Ind. Hair nets. 186,348; July 8; Serial No. 189,560; published Apr. 22, 1924.
Fisher Millinery Company, New York, N. Y. Ladies' hats. 186,427; July 8; Serial No. 191,879; published Apr. 22, 1924.
Fleer & Larsen, Chicago, Ill. Men's negligee and work shirts. 186,438; July 8; Serial No. 191,764; published Apr. 22, 1924.
Flood, Walter H., doing business as Columbus Chemical Co., Chicago, Ill. Soap. 186,398; July 8; Serial No. 151,214; published Apr. 15, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 186,294; July 8; Serial No. 193,821; published Apr. 29, 1924.
Fort Wayne Chemical Company. (See Charles, John.)
Foster-Alexander Corporation, Birmingham, Ala. Leather, cotton duck, etc., beltings and packings and rubber hose. 186,317; July 8; Serial No. 191,011; published Apr. 22, 1924.
Frank Motor Products Corp., New York, N. Y. Packing rings. 186,482; July 8.
Frontier Manufacturing Company, North Tonowanda, N. Y. Rope, belt, and cordage dressing and paste. 186,272; July 8; Serial No. 192,969; published Apr. 22, 1924.
Gan-O-Pow Company. (See Pender, David E.)
Glemby's, S., Sons Co., Inc., New York, N. Y. Liquid soap. 186,263; July 8; Serial No. 193,333; published Apr. 22, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Liquid soap. 186,266; July 8; Serial No. 193,107; published Apr. 22, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Liquid soap. 186,267; July 8; Serial No. 193,104; published Apr. 22, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Liquid soap. 186,268; July 8; Serial No. 193,100; published Apr. 22, 1924.
Globe Tailoring Company, The, doing business as Commonwealth Tailors, Cincinnati, Ohio. Trousers, pants, vests, coats, jackets, and overcoats. 186,441; July 8; Serial No. 191,541; published Apr. 22, 1924.
Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, Tex. Matches. 186,426; July 8; Serial No. 193,396; published Apr. 22, 1924.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Canned fruits. 186,354; July 8; Serial No. 189,892; published Apr. 22, 1924.
Greenebaum, Weil & Michels, San Francisco, Calif. Shirts. 186,452; July 8; Serial No. 189,849; published Apr. 22, 1924.
Griess Pfleger Tanning Company, The, Cincinnati, Ohio. Leather. 186,388; July 8; Serial No. 191,826; published Apr. 22, 1924.
Gulf Crushing Co. Inc., Morgan City and New Orleans, La. Crushed oyster shell. 186,352; July 8; Serial No. 189,775; published Apr. 22, 1924.
H-O Cereal Company, Inc., The, Buffalo, N. Y. Oats and oatmeal. 186,407; July 8; Serial No. 183,522; published Apr. 22, 1924.
Hall, Fletcher, Boston, Mass. Chocolates. 186,437; July 8; Serial No. 191,960; published Apr. 29, 1924.
Hampshire Paper Company, South Hadley Falls, Mass. Announcements, business stationery, etc. 186,257; July 8; Serial No. 193,707; published Apr. 22, 1924.
Hanover Star Milling Company, Germantown, Ill. Wheat flour. 186,429; July 8; Serial No. 193,040; published Apr. 29, 1924.
Hanover Star Milling Company, Germantown, Ill. Wheat flour. 186,436; July 8; Serial No. 193,039; published Apr. 29, 1924.
Heberlein & Co., A. G., Wattwil, Switzerland. Yarns of cotton, wool, linen, silk, etc. 186,415; July 8; Serial No. 188,479; published Apr. 29, 1924.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, silk, etc., and embroideries. 186,416; July 8; Serial No. 188,485; published Apr. 29, 1924.
Heberlein & Co., A. G., Wattwil, Switzerland. Yarns. 186,456; July 8; Serial No. 188,486; published Apr. 29, 1924.
Heim, Philip C., doing business as The Phil C. Heim Company, St. Louis, Mo. Candy-coated pop corn. 186,412; July 8; Serial No. 185,869; published Apr. 29, 1924.
Henderson Lithographing Co., The, Norwood, Cincinnati, Ohio. Blank telephone directories, kitchen reminders, mailing service cards, etc. 186,355; July 8; Serial No. 189,897; published Apr. 22, 1924.
Hildreth Varnish Company, Inc., New York, N. Y. Monthly periodical. 186,365; July 8; Serial No. 192,256; published Apr. 15, 1924.
Hilton, J. R. H., Atmore, Ala. Potatoes. 186,451; July 8; Serial No. 190,159; published Apr. 29, 1924.
Holland O'Neal Milling Co., Mount Vernon and Springfield, Mo. Yellow-corn chop, soft-wheat bran and mill-run, etc. 186,329; July 8; Serial No. 186,905; published Feb. 12, 1924.
Holt, Samuel, Paterson, N. J. Towels, bath mats, face cloths, and piece goods. 186,411; July 8; Serial No. 185,765; published Apr. 22, 1924.
Hosch Brothers Company, Gainesville, Ga. Hosiery. 186,467; July 8; Serial No. 192,915; published Apr. 22, 1924.
Hughes & Bradley Company, Philadelphia, Pa. Neckties and cravats. 186,463; July 8; Serial No. 192,535; published Apr. 29, 1924.
Humphreys Leather Goods Co., Chicago, Ill. Bill folds. 186,359; July 8; Serial No. 192,123; published Apr. 22, 1924.
Hunt, Hatch & Co., Oakland, Calif. Fresh fruit and fresh asparagus. 186,300; July 8; Serial No. 165,137; published Oct. 9, 1923.
Icy-O Metal Products Co., Inc., Charlotte, N. C. Dispensing cabinet for bottled goods. 186,314; July 8; Serial No. 191,130; published Apr. 22, 1924.
Independent Baking Co., Davenport, Iowa. Biscuits. 186,430; July 8; Serial No. 193,592; published Apr. 29, 1924.
Insulating Materials Company, Detroit, Mich. Dyed and glazed yarns and threads. 186,476; July 8; Serial No. 193,175; published Apr. 22, 1924.
International Shoe Company, St. Louis, Mo. Shoes made of leather. 186,418–19; July 8; Serial Nos. 190,590–1; published Apr. 22, 1924.
International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Leather shoes for men and women. 186,421; July 8; Serial No. 191,621; published Apr. 22, 1924.
International Shoe Company, doing business as Morse & Rogers, St. Louis, Mo. Leather shoes for children and infants. 186,422; July 8; Serial No. 191,622; published Apr. 22, 1924.
International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Women's shoes of leather. 186,423; July 8; Serial No. 191,623; published Apr. 22, 1924.
Iowa Soap Company, Burlington, Iowa. Toilet and laundry soaps and washing powder. 186,344; July 8; Serial No. 189,361; published Apr. 15, 1924.
Johns, Chester T., Cucamonga, Calif. Fresh grapes. 186,455; July 8; Serial No. 189,004; published Apr. 29, 1924.
Johnson, B. L., & Co., Inc., also doing business as Johnson's, Knoxville, Tenn. Candy. 186,309; July 8; Serial No. 178,254; published Jan. 1, 1924.
Justus, Ocee, doing business as Rado Manufacturing Company, Muncie, Ind. Liquid soap. 186,306; July 8; Serial No. 174,455; published Apr. 24, 1923.
Kelly, George F., Tulsa, Okla. Map cabinets. 186,312; July 8; Serial No. 191,323; published Apr. 15, 1924.
Kiddies Keep Kover Kompany, Salt Lake City, Utah. Devices for holding covers over persons while in bed. 186,345; July 8; Serial No. 189,508; published Apr. 15, 1924.
Kings County Packing Company, Armona, Calif. Canned fruits. 186,401; July 8; Serial No. 164,926; published Apr. 29, 1924.
Kinnickinnic Tackle Co., River Falls, Wis. Fishline leaders and snells. 186,442; July 8; Serial No. 191,491; published Apr. 29, 1924.
Kirchner, August J., doing business as Chief Rug & Mattress Cleaning Co., Seattle, Wash. Textile rugs, carpets, and runners. 186,399; July 8; Serial No. 151,221; published Apr. 22, 1924.
Klotz Silk Manufacturing Co., Inc., Clifton, N. J. Broad silk fabrics. 186,450; July 8; Serial No. 190,418; published Apr. 22, 1924.
Knickerbocker Hair Cloth Co. (See Emerling, Maxwell A.)
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 186,472–5; July 8; Serial Nos. 193,049–52; published Apr. 29, 1924.
Knight-Price Company, The, Columbus, Ohio. Overalls and jackets, butchers' and shop mechanics' coats and aprons. 186,440; July 8; Serial No. 191,628; published Apr. 22, 1924.
Knitwear Mfg. Co., Inc., Brooklyn, N. Y. Sweaters. 186,404; July 8; Serial No. 170,299; published Apr. 22, 1924.
Kohnstamm, H., & Co., Inc., New York, N. Y. Soap. 186,277; July 8; Serial No. 192,846; published Apr. 22, 1924.
Lawrence Manufacturing Co. Inc., Hoboken, N. J. General cleaning preparation. 186,333; July 8; Serial No. 183,338; published Apr. 22, 1924.
Lear, Norman, doing business as Manhattan Food Products Co., New York, N. Y. Cheese. 186,478; July 8.
Levy, F., Shoe Co., St. Louis, Mo. Children's shoes. 186,435; July 8; Serial No. 158,317; published Oct. 10, 1922.
Little, T. R., Company Limited, Montreal, Quebec, Canada. Coated, book, and litho label paper. 186,338; July 8; Serial No. 188,037; published Apr. 22, 1924.
Lowell Bleachery, Lowell, Mass. Woven hemp textile fabrics. 186,327; July 8; Serial No. 190,601; published Apr. 29, 1924.
Macdermid Incorporated, Waterbury, Conn. Chemicals for cleaning metals and textiles. 186,356; July 8; Serial No. 190,198; published Apr. 8, 1924.
Manhattan Food Products Co. (See Lear, Norman.)

Marshall Field & Company, Chicago, Ill. Sewing and embroidery silk. 186,283; July 8; Serial No. 193,583; published Apr. 22, 1924.
Marshall, William J., doing business as Sunsown Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, and dried fruit. 186,291–3; July 8; Serial Nos. 193,775–7; published Apr. 29, 1924.
Marshall, William J., doing business as Sunsown Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, and dried fruit. 186,291–3; July 8; Serial No. 193,778; published Apr. 29, 1924.
Mary Anna Candy Company. (See Weinstein & Smith.)
Maslen, Nellie R., Hartford, Conn. Candies. 186,410; July 8; Serial No. 185,529; published Apr. 29, 1924.
McCutcheon, James, & Company, New York, N. Y. Linen and cotton goods in the piece, tablecloths, napkins, etc. 186,424; July 8; Serial No. 193,232; published Apr. 29, 1924.
Meade Rubber Sales Company, Stoughton, Mass. Coats and capes. 186,466; July 8; Serial No. 192,780; published Apr. 22, 1924.
Messenger Publishing Company, Chicago, Ill. Calendars. 186,395; July 8; Serial No. 191,968; published Apr. 15, 1924.
Meyer, Bacharach & Friedheim, New York, N. Y. Neckties. 186,479; July 8; Serial No. 192,984; published Apr. 22, 1924.
Minneapolis Milling Company, Minneapolis, Minn. Wheat flour. 186,434; July 8; Serial No. 193,941; published Apr. 29, 1924.
Mohlewsky, Hyman, Buffalo, N. Y. Celery. 186,264; July 8; Serial No. 193,236; published Apr. 22, 1924.
Morse & Rogers. (See International Shoe Company.)
Moulin Brothers, Fort Wayne, Ind. Hand soap. 186,360; July 8; Serial No. 192,141; published Apr. 1, 1924.
Mutual Orange Distributors, also doing business as Orangedale Groves, Inc., Redlands, Calif. Fresh citrous fruits. 186,403; July 8; Serial No. 168,061; published Apr. 29, 1924.
National Packing Corporation, Ogden, Utah. Canned vegetables. 186,405; July 8; Serial No. 171,944; published Apr. 29, 1924.
National Petroleum Products Company. (See Rice, J. W.)
N. Y. Cotton Stores Inc., New York, N. Y. Cotton piece goods and household linen. 186,262; July 8; Serial No. 193,303; published Apr. 29, 1924.
New York Handkerchief Manufacturing Co., Chicago, Ill. Handkerchiefs. 186,449; July 8; Serial No. 190,464; published Apr. 29, 1924.
New York Times Company, The, New York, N. Y. Magazine. 186,382; July 8; Serial No. 191,563; published Apr. 15, 1924.
Nichols, John C., Sheboygan, Wis. Harness fittings. 186,362; July 8; Serial No. 192,192; published Apr. 22, 1924.
North American Honey Distributors. (See Southworth, William P.)
Nosler, Chas. E., doing business as Nosler Fruit Co., San Francisco, Calif. Fresh vegetables. 186,296; July 8; Serial No. 193,780; published Apr. 29, 1924.
Orangedale Groves, Inc. (See Mutual Orange Distributors.)
Paper Service Company, The, Lockland, Ohio. Gummed tape. 186,396; July 8; Serial No. 191,972; published Apr. 22, 1924.
Parkhill Manufacturing Company, Fitchburg, Mass. Cotton piece goods. 186,372; July 8; Serial No. 192,636; published Apr. 29, 1924.
Patterson, Edwin C., jr., Boston, Mass. Dress, negligee, and work shirts. 186,447; July 8; Serial No. 190,851; published Apr. 22, 1924.
Pender, David E., doing business as Gan-O-Pow Company, Meriden, Conn. Preparation for applying to shoe soles. 186,346; July 8; Serial No. 189,516; published Apr. 22, 1924.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's straw hats. 186,420; July 8; Serial No. 190,852; published Apr. 29, 1924.
Pennsylvania Soap Company of Lancaster, Pa., Lancaster, Pa. Soaps. 186,373–4; July 8; Serial Nos. 192,639–40; published Apr. 22, 1924.
Phillips-Jones Corporation, New York, N. Y. Shirts, nightshirts, pyjamas, and boys' blouses. 186,353; July 8; Serial No. 189,814; published Apr. 22, 1924.
Prindle, Frank M., doing business as Frank M. Prindle & Co., New York, N. Y. Face powder. 186,319; July 8; Serial No. 190,978; published Mar. 18, 1924.
Prospect Sales Co., New York, N. Y. Yarn. 186,448; July 8; Serial No. 190,650; published Apr. 22, 1924.
Rado Manufacturing Company. (See Justus, Ocee.)
Ravizza, John, New Britain, Conn. Confections. 186,331; July 8; Serial No. 183,852; published Nov. 27, 1923.
Ree-Le-Good Manufacturing Co., Cleveland, Ohio. White shoe polish. 186,302; July 8; Serial No. 167,428; published Apr. 8, 1924.
Rempe, Frank G., doing business as Rempe Mfg. Co., Oakland, Calif. Type cleaners. 186,335; July 8; Serial No. 181,044; published Apr. 1, 1924.
Rice, J. W., doing business as National Petroleum Products Company, San Francisco, Calif. Liquid for removing stains from wearing apparel. 186,311; July 8; Serial No. 191,342; published Apr. 22, 1924.
Rice Stix Dry Goods Company, St. Louis, Mo. Cotton and woolen piece goods. 186,297; July 8; Serial No. 193,959; published Apr. 29, 1924.
Richardson Dry Goods Company, St. Joseph, Mo. Play suits, boys' shirts, overalls, work clothing, and men's work shirts. 186,321; July 8; Serial No. 190,809; published Apr. 22, 1924.
Riches, Piver & Co., New York, N. Y. Publication. 186,361; July 8; Serial No. 192,151; published Apr. 15, 1924.
Robb, Wallace H., assignor to Kasunda Supply Co., Inc., Syracuse, N. Y. Mill supplies. 186,303; July 8; Serial No. 168,902; published Apr. 22, 1924.
Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Soaps, washing and soap powders. 186,332; July 8; Serial No. 183,540; published Apr. 22, 1924.
Ronald Press Company, The, New York, N. Y. Books. 186,310; July 8; Serial No. 191,346; published Apr. 15, 1924.
Rosenberg Bros. & Co. Inc., Rochester, N. Y. Men's overcoats, coats, vests, and pants. 186,308; July 8; Serial No. 190,654; published Apr. 22, 1924.
Rosing & Cohn, Inc., New York, N. Y. Coats and capes. 186,460; July 8; Serial No. 192,091; published Apr. 22, 1924.
Roulean, Louis J., Boston, Mass. Correspondence cards. 186,359; July 8; Serial No. 188,439; published Apr. 22, 1924.
Rouse, Hempstone & Co., Inc., Baltimore, Md. Gloves, mittens, gauntlets, and hosiery. 186,400; July 8; Serial No. 158,097; published Apr. 22, 1924.
Rowell Corporation, The, New York, N. Y. Liquid cleaner for the hands. 186,383; July 8; Serial No. 191,574; published Apr. 8, 1924.
Ruch-Drompp Grocery Company, The, Logansport, Ind. Bread and cakes. 186,428; July 8; Serial No. 192,645; published Apr. 29, 1924.
Russell, James J., San Angelo, Tex. Textile towels. 186,444; July 8; Serial No. 191,449; published Apr. 22, 1924.
S & A Brake Company, Chicago, Ill. Brakes, vehicle parts, and accessories. 186,402; July 8; Serial No. 165,609; published Apr. 29, 1924.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Pile fabrics in the piece. 186,445; July 8; Serial No. 191,283; published Apr. 22, 1924.
Sauer, J. P., & Sohn, Suhl, Germany. Firearms. 186,468; July 8; Serial No. 192,929; published Apr. 29, 1924.
Scholler Brothers, Inc., Philadelphia, Pa. Soaps. 186,366; July 8; Serial No. 192,275; published Apr. 22, 1924.
Schoneberger and Noble, Inc., New York, N. Y. Sarsaparilla and ginger ale. 186,261; July 8; Serial No. 193,421; published Apr. 29, 1924.
Schwarz, Max, Textile Corporation, New York, N. Y. Dress robes. 186,462; July 8; Serial No. 192,499; published Apr. 22, 1924.
Sefton, Russell J., New York, N. Y. Textile composition. 186,458; July 8; Serial No. 192,040; published Apr. 22, 1924.
Sheldon, F. C., Slate Co., Granville, N. Y. Manufactured materials for roofing. 186,477; July 8.
Shidlovsky, M., & Co. Inc., New York, N. Y. Woolen fabrics. 186,464; July 8; Serial No. 192,647; published Apr. 29, 1924.
Simon & Schuster, New York, N. Y. Books. 186,363; July 8; Serial No. 192,198; published Apr. 22, 1924.
Simone Co., Inc., The, New York, N. Y. Caps, lingerie, and dressing sacks. 186,457; July 8; Serial No. 191,985; published Apr. 22, 1924.
Sleep, Claude, Hartsville, Mass. Waterproofing compound. 186,313; July 8; Serial No. 191,189; published Apr. 8, 1924.
Smith, E. M., Co., Los Angeles, Calif. Brake lining, machinery packing, hose, and belting, etc. 186,328; July 8; Serial No. 190,362; published Apr. 22, 1924.
Springfield Grocer Co., Springfield, Mo. Overalls, pants, jumpers, and work shirts. 186,324; July 8; Serial No. 190,659; published Apr. 22, 1924.
Southwestern Coca-Cola Bottling Company, Deming, N. Mex. Ginger ale. 186,453; July 8; Serial No. 189,590; published Apr. 29, 1924.
Southwestern Milling Company Inc., The. Wheat flour. 186,485; July 8.
Southworth, William P., doing business as North American Honey Distributors, Sioux City, Iowa. Honey. 186,299; July 8; Serial No. 162,955; published Apr. 1, 1924.
Standard Oil Company (New Jersey), Bayonne, N. J. Saponaceous compound. 186,260; July 8; Serial No. 193,426; published Apr. 22, 1924.
Sunland Packing House Co., Porterville and Sunland, Calif. Fresh citrous fruits. 186,288; July 8; Serial No. 193,685; published Apr. 29, 1924.
Sunsown Packing Company. (See Marshall, William J.)
Suomen Tulitikkutehdas Osakeyhtiö Finska Tändsticks Aktiebolaget, Wiborg, Finland. Matches. 186,443; July 8; Serial No. 191,452; published Apr. 29, 1924.
Swift and Company, Chicago, Ill. Soap. 186,367; July 8; Serial No. 192,283; published Apr. 22, 1924.
Swift and Company, Chicago, Ill. Soap. 186,369; July 8; Serial No. 192,342; published Apr. 22, 1924.

Symington, T. H., Company, The, New York and Rochester, N. Y. Journal boxes, truck side frames, draft-rigging parts. 186,307; July 8; Serial No. 174,541; published Apr. 22, 1924.
Tacks Manufacturing Company, Utica, N. Y. Paste. 186,265; July 8; Serial No. 193,141; published Apr. 22, 1924.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 186,298; July 8; Serial No. 159,897; published Nov. 7, 1922.
Theater Equipment Directory Company, Chicago, Ill. Periodic publications. 186,315; July 8; Serial No. 191,103; published Apr. 8, 1924.
Topics, Incorporated, Chicago, Ill. Monthly magazine. 186,389; July 8; Serial No. 191,856; published Apr. 22, 1924.
Tredwell, Lillie, Chicago, Ill. Women's, misses', and children's coats, dresses, etc. 186,446; July 8; Serial No. 191,104; published Apr. 22, 1924.
20th Century Bakery, Inc., The, Haverhill, Mass. Bread. 186,432; July 8; Serial No. 193,739; published Apr. 29, 1924.
Twinkle Polish Corporation, Brooklyn, N. Y. Metal and glass polish. 186,259; July 8; Serial No. 193,430; published Apr. 22, 1924.
Union Thread Company, The, Cincinnati, Ohio. Thread. 186,469; July 8; Serial No. 192,943; published Apr. 29, 1924.
United Coal & Dock Company, The, Milwaukee, Wis. Coal. 186,461; July 8; Serial No. 192,163; published Apr. 29, 1924.
Universal Crepe & Tissue Mills, Inc., New York, N. Y. Toilet paper. 186,375; July 8; Serial No. 192,804; published Apr. 22, 1924.
Victor Novelty Mfg. Company, Ashland, Ohio. Basket balls, footballs, toy balls, playballs, etc. 186,409; July 8; Serial No. 185,273; published Apr. 29, 1924.
Wallace Milling Company, Huntingburg, Ind. Soft-winter-wheat flour. 186,484; July 8.
Watertown Table Slide Company, Watertown, Wis. Table slide bars. 186,320; July 8; Serial No. 190,822; published Apr. 8, 1924.
Webb Lithograph Company, The, Cleveland, Ohio. Paper. 186,316; July 8; Serial No. 191,047; published Apr. 22, 1924.
Weinstein & Smith, doing business as Mary Anna Candy Company, Washington, D. C. Candy. 186,289; July 8; Serial No. 193,689; published Apr. 29, 1924.
Werber Leather Coat Co. Inc., Poughkeepsie, N. Y. Leather and sheep lined coats, vests, caps, and breeches. 186,326; July 8; Serial No. 190,623; published Apr. 22, 1924.
Western Lithograph Company, Los Angeles, Calif. Blank forms, pass books, and paper check-book covers. 186,340; July 8; Serial No. 188,723; published Apr. 22, 1924.
Whitaker Paper Company, The, Baltimore, Md. Papers. 186,258; July 8; Serial No. 193,483; published Apr. 22, 1924.
Whiting, Harris E., doing business as Whiting Leather and Belting Company, Long Island City, N. Y. Leather belting. 186,413; July 8; Serial No. 188,036; published Apr. 29, 1924.
Wile, E. J., & Co., New York, N. Y. Woolen piece goods. 186,439, July 8; Serial No. 191,655; published Apr. 22, 1924.
Wilhelm Furniture Company, Sturgis, Mich. Desks, tables, tea wagons, etc. 186,323; July 8; Serial No. 190,662; published Apr. 15, 1924.
Windsor Soap Co., Inc., Buffalo, N. Y. Soap. 166,118; July 8; Serial No. 186,301; published Dec. 12, 1922.
Wool Novelty Co., Inc., New York, N. Y. Hand-knitting yarn. 186,397; July 8; Serial No. 129,437; published Apr. 29, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Abston & Lindenberg, Mfgrs., Kansas City, Mo. No-Rub. For Metal Polish. 27,529; July 8.
Allen, L. R., Company Inc., Chicago, Ill. Allen Special Radio Sodering Paste. For Soldering Flux in Paste Form. 27,530; July 8.
Allen-Qualley Company, St. Paul, Minn. Handy Packet. For Confectionery. 27,531–2; July 8.
Bayuk Cigars Incorporated, Philadelphia, Pa. Ripe Light. For Cigars. 27,533; July 8.
Bayuk Cigars Incorporated, Philadelphia, Pa. Ripe Light Brown. For Cigars. 27,534; July 8.
Bayuk Cigars Incorporated, Philadelphia, Pa. Ripe Brown. For Cigars. 27,535; July 8.
California Sea Food Company. (See Rex, Max A.)
Chamberlain Company, The, Pittsburgh, Pa. Tubola. For Cleaning and Scouring Powder. 27,536; July 8.
Clayton, Walter O., Grand Island, Nebr. Claytons Yellow Apple Liver Pills. For Liver Pills. 27,537; July 8.
Coleman Lamp Company, The, Wichita, Kans. Coleman Camp Stove. For Camp Stoves. 27,538; July 8.
Crofts & Reed Co., Chicago, Ill. Bob Shampoo. For Soap. 27,539; July 8.
Eline's Incorporated, Milwaukee, Wis. Eline's Automobile Special Chocolate. For Chocolate. 27,540; July 8.
Eline's Incorporated, Milwaukee, Wis. Eline's First Lady Of The Land Chocolate. For Chocolate. 27,541; July 8.
First National Laboratories, Inc., Lehighton, Pa. Royal Purple Capsules. For Medicine for the Treatment of Delayed Menstruation, Useful for Painful Menses, Relieving Burning and chafing. 27,542; July 8.
First National Laboratories, Inc., Lehighton, Pa. Royal Purple Pills. For Medicine for the Treatment of Delayed Menstruation, Useful for Painful Menses, Relieving Burning and Chafing. 27,543; July 8.
Gumpertz & Gotfried, Oxnard, Calif. Dandyboy. For Tomatoes. 27,544; July 8.
Haskins Bros. & Company, Omaha, Nebr. Petrolene Blue Barrel. For Scouring Powder. 27,546; July 8.
Hickok, C. F., Co., The, Sidney, Ohio. A Canoe Load. For Candy. 27,547; July 8.
Hump Hair Pin Manufacturing Co., The, Chicago, Ill. Bobdhair Hair Pins. For Hairpins. 27,548; July 8.
International Pharmaceutical Co., Brooklyn, N. Y. Monophen. For a Hypnotic and Antineuralgic Remedy. 27,549; July 8.
International Pharmaceutical Co., Brooklyn, N. Y. Diuform. For a Diuretic Remedy. 27,550; July 8.
International Pharmaceutical Co., Brooklyn, N. Y. Remtine. For a Diuretic Remedy. 27,551; July 8.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Hilundale. For Pigment Paste for Use as a Stippling Coat. 27,552; July 8.
Martin Bros. Company, The, Denver, Colo. Bluhill Pimento Cheese. For Cheese Flavored with the Fruit or Berries and Seeds of Pimentoes. 27,553; July 8.
Martin Bros. Company, The, Denver, Colo. Bluhill Green Chile Cheese. For Cheese Flavored with the Fruit and Seeds of Green Chile. 27,554; July 8.
Menasha Printing and Carton Company, Menasha, Wis. Banquet Ice Cream. For Ice Cream. 27,555; July 8.
Milwaukee Paper Box Company, Milwaukee, Wis. Princess Flower Garden Assortment. For Candy. 27,556; July 8.
Rex, Max A., doing business as California Sea Food Company, Los Angeles, Calif. Delores. For Canned Sardines. 27,557; July 8.
Salant & Salant Inc., New York, N. Y. Uncle Sam Circles the Globe. For Shirts. 27,558; July 8.
Samstag & Hilder Bros., Inc., New York, N. Y. Surety. For Bias Tape. 27,559; July 8.
Starr, Frank M., doing business as Starr Medicine Company, San Francisco, Calif. Starr's Pure Root & Herb Tablets. For Tablets. 27,560; July 8.
U. S. Hame Company, Buffalo, N. Y. Usheo Brand No. 47. For Bits. 27,545; July 8.
Walters, Henry V., Harrisburg, Pa. Harvest. For Bread. 27,561; July 8.
Walters, Henry V., Harrisburg, Pa. Cream Crust. For Bread. 27,562; July 8.
Waxide Paper Company, Kansas City, Mo. Raisin. For Bread. 27,563; July 8.
Waxide Paper Company, Kansas City, Mo. Home Made. For Bread. 27,564; July 8.
Waxide Paper Company, Kansas City, Mo. Potato Bread. For Bread. 27,565; July 8.
Waxide Paper Company, Kansas City, Mo. Graham. For Bread. 27,566; July 8.
Waxide Paper Company, Kansas City, Mo. Rye Bread. For Bread. 27,567; July 8.
Waxide Paper Co., Kansas City, Mo. Twin Loaf. For Bread. 27,568; July 8.
Waxide Paper Co., Kansas City, Mo. Rye Bread. For Bread. 27,569; July 8.
Wilson, Ernest, Company, The, San Francisco, Calif. Wilsonettes. For Confections. 27,570; July 8.
Wish, Fred. A., Inc., New York, N. Y. Uncle Wigelly Rubber Picture Stamps and Coloring Outfit. For Toy Rubber-Stamp Outfits. 27,571; July 8.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Colgate & Company, Jersey City, N. J. Smiling teeth for life. For Colgate's Ribbon Dental Cream. 7,462; July 8.
Colgate & Company, Jersey City, N. J. Let's see your teeth. For Colgate's Ribbon Dental Cream. 7,463; July 8.
Comly & Co. Inc., New York, N. Y. C C O. For Lighting Fixtures. 7,464; July 8.
Coty, Inc., Wilmington, Del., and New York, N. Y. Les Poudres de Coty. For Powders. 7,465; July 8.
Cream of Wheat Co., Minneapolis, Minn. Getting Up Steam. For Wheat Breakfast Food. 7,466; July 8.
Douglas-Pectin Corp., Rochester, N. Y. The Easy Way Is The Certo Way. For Certo. 7,467; July 8.
Goldberg, Samuel, doing business as Standard Candy Company, Los Angeles, Calif. Movie Favorites. For Confections and the Like. 7,468; July 8.
Holyoke Heater Co., Holyoke, Mass. The Heart of the Home. For Hot-Water Heaters. 7,469; July 8.
Irving Iron Works Company, Long Island City, N. Y. Irving Subway. For Fireproof Ventilated Floorings. 7,470; July 8.
Irving Iron Works Company, Long Island City, N. Y. Irving Eggcrate. For Fireproof Ventilated Floorings. 7,471; July 8.
Irving Iron Works Company, Long Island City, N. Y. Irving Subway. For Fireproof Ventilated Floorings. 7,472; July 8.
Martin, Luther E., Company, Baltimore, Md. Stewart Taxi Needle Book. For Taxicabs. 7,473; July 8.
Nichols, John C., Co., Milwaukee, Wis. Wear-More. For Harnesses. 7,474; July 8.
Pabst Corporation, Milwaukee, Wis. Pabst Blue Ribbon. For Cereal Beverage. 7,475; July 8.
Pabst Corporation, Milwaukee, Wis. Pabst Ginger Ale. For Ginger Ale. 7,476; July 8.
Standard Candy Company. (See Goldberg, Samuel.)

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adam Brothers Company, Houston, Tex. Canned vegetables. 194,148; July 8.
Adams, Harvey R., Seattle Heights, Wash. Liniment. 194,504; July 8.
Alco-Gravure Incorporated, New York, N. Y. Newspaper supplements. 195,935; July 8.
Allen, Benjamin R., San Francisco, Calif. Beverage sold as a soft drink. 194,040; July 8.
Allen, Benjamin R., doing business as American Root Beer Co., San Francisco, Stockton, and Huntington Park, Calif. Beverages sold as soft drinks and sirups therefor. 163,847; July 8.
American Agricultural Chemical Company, The, New York, N. Y. Fertilizer. 196,421; July 8.
American Fork & Hoe Company, The, Cleveland, Ohio. Hoes and agricultural hand implements. 179,507; July 8.
American Lead Pencil Company, New York, N. Y. Pencils. 195,565; July 8.
American Root Beer Co. (See Allen, Benjamin R.)
Armstrong Cork Company, Pittsburgh, Pa. Gaskets, washers, packing, and cork. 194,154; July 8.
Asher, Chester A., Philadelphia, Pa. Candy. 192,206; July 8.
Ayling, Geo. W., doing business as J. C. Ayling Co., Springfield, Ill. Kite. 194,847; July 8.
Babcock, F. J., doing business as Babcock Laboratories, Chicago, Ill. Publication. 196,565; July 8.
Barbour, J. E., Company, Paterson, N. J. Thread. 195,938; July 8.
Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle cases. 196,645; July 8.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 196,499; July 8.
Bell Syndicate, Inc., The, New York, N. Y. Cartoons. 197,314; July 8.
Belleville Shoe Mfg. Co., Belleville, Ill. Boys' boots and shoes. 190,145; July 8.
Bell's United Asbestos Company Limited, London, England. Engine packing. 194,429; July 8.
Bennett Day Importing Company, Inc., New York, N. Y. Walnuts. 196,425; July 8.
Berg, Charles F., Portland, Oreg. Hosiery, fabric gloves, etc. 193,891; July 8.
Berman Bros. & Lindeman Co. Inc., Brooklyn, N. Y. Knitted garments. 196,364; July 8.
Briner-Null Coffee Company, Vincennes, Ind. Peanut butter. 197,060; July 8.
Brogan, Byard F., Philadelphia, Pa. Finger rings. 176,249; July 8.
Brooklyn Perfex Corp., Brooklyn, N. Y. Brooms, mops, and brushes. 196,048; July 8.
Bullock's, Los Angeles, Calif. Shoes. 194,333; July 8.
Byrne, John F., New York, N. Y. Eggs. 197,703; July 8.
California Almond Packers, Inc., Sacramento and North Sacramento, Calif. Almond meats, glazed and blanched almonds. 190,150; July 8.
Calumet Steel Company, Chicago, Ill. Metallic fence-posts. 196,049; July 8.
Campe Corporation, The, New York, N. Y. Women's knitted underwear. 195,094; July 8.
Caravetta, Louis, Chicago, Ill. Alimentary paste products, cheese, and tomato sauce. 186,495; July 8.
Cartagena & Mayro, New York, N. Y. Olives. 193,572; July 8.
Casey, Paul S., doing business as Yeast Mineral Supply Co., Peoria, Ill. Feed. 194,526; July 8.
Castle, Eugene W., doing business as Castle Films, San Francisco, Calif. Motion-picture films. 179,515; July 8.
Chemical Products Company, The, Cincinnati, Ohio. Animal foods. 194,787; July 8.
Chicago Blow Pipe Co., Chicago, Ill. Shavings and dust-collecting systems and apparatus. 196,232; July 8.
Chicago Truffles Co., Chicago, Ill. Candy bars. 194,788; July 8.
Clark Dust Collecting Co. Inc., The, Chicago, Ill. Dust-collecting systems and apparatus for air separating and conveying systems. 194,334; July 8.
Conant-Ball Company, Boston, Mass. Household and other furniture. 195,740; July 8.
Consolidated Textile Corporation, New York, N. Y. Piece goods. 178,092; July 8.
Corte Publishing Co., New York, N. Y. Magazine. 195,742; July 8.
Crawford & Luke, Augusta, Ga. Compound for destroying boll weevils, army worms, etc. 195,158; July 8.
Cuero Mill and Feed Company, The, Cuero, Tex. Corn meal, chops, and bran, alfalfa meal, etc. 195,053; July 8.
Darcé, Coldon J., Jeanerette, La. Hand cleaner in paste form. 194,165; July 8.
Darmac Company, New York, N. Y. Cooking grills. 197,137; July 8.
Daroff, Harry, & Sons, Philadelphia, Pa. Outer suits for men and boys. 195,096; July 8.
Dayton Scale Company, Dayton, Ohio. Weighing scales. 197,706; July 8.
Dickinson, Luella, Seattle, Wash. Lotion. 195,876; July 8.
Digestive Ferments Company, The, Detroit, Mich. Pharmaceutical preparation. 195,266–7; July 8.
Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y. Steel, iron, brass alloy, and composition metal castings. 192,482; July 8.
Duarte Orchards Company, doing business as Duarte-Monrovia Fruit Exchange, Duarte, Calif. Fresh citrous fruits. 196,160; July 8.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Filters and water softeners. 195,680; July 8.
Duthie, Thos. A., doing business as Duthie & Company, Portland, Oreg. Fresh apples. 197,263; July 8.
E & S Hosiery Mills, High Point, N. C. Hosiery. 194,052; July 8.
Earnshaw Sales Company, Chicago, Ill. Magazine. 196,854–5; July 8.
Edna Brass Mfg. Co., The, Cincinnati, Ohio. Valves and cocks. 196,796; July 8.
Electric Service Engineering Corp., New York, N. Y. Radiofrequency and audiofrequency transformers, radio coupling coils. 194,440; July 8.
Electric Service Engineering Corp., New York, N. Y. Condensers. 194,441; July 8.
Electrical Research Laboratories, Chicago, Ill. Radio electrical appliances. 193,996; July 8.
Elstrong Mfg. Co. (See Suastrong, Carl A.)
Endicott Johnson Corporation, Endicott, N. Y. Leather. 196,585; July 8.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Enterprise Manufacturing Company, Spokane, Wash. Refrigerating machinery. 195,164; July 8.
Eureka Sales Company, Indianapolis, Ind. Washing and ironing machines. 157,416; July 8.
Eureka Woolen Mills, Eureka, Calif. Woven and knitted and netted textile piece goods. 187,735; July 8.
Fawcett Publications, Robbinsdale, Minn. Publication. 196,161; July 8.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Laxative tablets. 196,451; July 8.
Ferbend Electric Co., Chicago, Ill. Devices for preventing interference in radio apparatus. 196,109; July 8.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,817; July 8.
Forbes, Jas H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,820; July 8.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,973; July 8.
Franco American Chemical Works, Carlstadt, N. J. Anæsthetic. 196,015; July 8.
Freedman, Benj. S., Co., Scranton, Pa. Hosiery. 195,743; July 8.
Fruin-Colnon Contracting Company, St. Louis, Mo. Periodical magazine. 197,144; July 8.
Fun Shop, Inc., The. Title for newspaper column. 195,879; July 8.
Fulton Bag & Cotton Mills, Atlanta, Ga. Fabric bags. 184,546; July 8.
General Optical Company, Inc., Mount Vernon, N. Y. Chair attachments for holding ophthalmological apparatus, etc. 197,022; July 8.
Ginter Company, The, Boston, Mass. Canned peas, corn, and tomatoes, jellies, and fruit preserves. 192,997; July 8.
Gotro, Agnes M., doing business as Mary May Candy Shoppe, Holyoke, Mass. Candies. 153,094; July 8.
Graesser-Monsanto Chemical Works Limited, The, Cefn, Ruabon, North Wales, and London, England. Disinfectants and germicides. 189,891; July 8.
Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bedsteads. 196,455; July 8.
Greist Mfg. Company, The, New Haven, Conn. Portable electric lamps. 194,642; July 8.
Gunther, Geo., Jr., Brewing Co., The, Baltimore, Md. Beverages. 197,147; July 8.
Haglund & Söners Handels- & Fabriksaktiebolag, Falkoping, Sweden. Window-shade or window-blind rollers. 180,335; July 8.
Halperin, M. L., Brooklyn, N. Y. Semimade garments. 195,517; July 8.
Hanson Brothers Scale Co., Chicago, Ill. Weighing scales. 196,386; July 8.
Hart, Matthijs, Oudkarspel, Netherlands. Salted sauerkraut, French beans, gherkins, etc. 193,041; July 8.
Hauck, A. J., Water Company, Pittsburgh, Pa. Mineral water. 197,076; July 8.
Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple. 197,149; July 8.
Hearn, James A., & Son, Inc., New York, N. Y. Silk underwear. 195,286; July 8.
Heekin Company, The, Cincinnati, Ohio. Coffee. 151,833; July 8.
Hellyer Steel Parts Corporation, Los Angeles, Calif. Reamers, valve reamers, valve-seat reamers, valve-seat cutters, etc. 195,109; July 8.
Henius, Emil T., doing business as Moyans, Chicago, Ill. Cordials used for beverage purposes. 196,246; July 8.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 196,116; July 8.
Holcombe, Wm. F. I. (See Linch, Geo. E., assignor.)
Holland, Herbert G., Seattle, Wash. Liquid lotions. 195,291; July 8.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 187,465; July 8.
Ideal Bottling Company, Boston, Mass. Beverage and syrups and extracts. 196,958; July 8.
Ideal Hosiery Mills. (See Page and Jones.)
Imperial Tobacco Co. Inc., Buffalo, N. Y. Smoking tobacco. 193,337; July 8.
International Silencer Company Limited, The, London, England. Silencers for internal-combustion engines. 189,460; July 8.
Interstate Laboratory. (See Tyler, Benjamin.)
Jacobsmeyer, Richard L., doing business as Volsometer Manufacturing Company, Kirkwood, Mo. Radio receiving sets and sending sets and parts thereof. 191,177; July 8.
Jones Brothers Tea Company Inc., Brooklyn, N. Y. Coffee. 193,046; July 8.
Jones, Walter M., Stamford, Conn. Metallic substance. 197,486; July 8.
Kimble Glass Company, Vineland, N. J., and Chicago, Ill. Graduated chemical and laboratory glassware. 196,813; July 8.
King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits, berries, and vegetables. 185,599; July 8.
Kleiner, Israel S., doing business as Nutrivoid Dietetic Flour Co., Brooklyn, N. Y. Flour. 197,331; July 8.
Kleinert, I. B., Rubber Company, New York, N. Y. Rubber reducing garments. 197,083; July 8.
Kleinert, I. B., Rubber Company, New York, N. Y. Rubber sheeting. 197,084; July 8.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 196,308; July 8.
Knight, Charles E., San Francisco, Calif. Mineral water and beverages sold as soft drinks and sirups for making same. 194,804; July 8.
Law's Lung-Ease Mfg. Co., Dallas, Tex. Medicine for the treatment of tuberculosis, etc. 196,531; July 8.
Lee Lash Films, Mount Vernon and New York, N. Y. Motion-picture films. 195,891; July 8.
Leich Electric Company, Genoa, Ill. Spark plug. 193,841; July 8.
Levi, Melville B., Fresno, Calif. Confection composed of figs and nuts. 195,897; July 8.
Levitt, Morse D., doing business as Morse D. Levitt Company, New York, N. Y. Woolen piece goods. 197,439; July 8.
Lewis, May L., Americus, Ga. Hair tonic. 195,293; July 8.
Linch, Geo. E., doing business as More Life Food Co., Kansas City, Mo., assignor to W. F. I. Holcombe, Chicago, Ill. Health food and granulated cereal food products. 192,705; July 8.
Lind & Marks Co., Detroit, Mich. Phonographs. 174,315; July 8.
Linen Thread Co., The, New York, N. Y. Laundry nets. 193,343; July 8.
Lionel Trading Co. Inc., New York, N. Y. Perfumes. 192,629; July 8.
London Shoe Company, Inc., New York, N. Y., and Chicago, Ill. Shoes. 194,279; July 8.
Macdonald, David B., Leicester, England. Machines and apparatus used in the manufacture of puffs, toe caslugs, stiffeners, etc. 184,086; July 8.
MacEwen, Stuart R., doing business as The Neosol Company, Buffalo, N. Y. Arsenical drugs. 195,705; July 8.
Manchester Cigar Company. (See Reichard, John F.)
Mango Tani Corporation, Brooklyn and Coney Island, N. Y. Shampoos and hair tonic. 196,536; July 8.
Manhattan Shirt Co., The, New York, N. Y. Wearing apparel. 193,843; July 8.
Martin, Jeanette, Tucson, Ariz. Preparation for the treatment of all forms of inflammation, tonsillitis, etc. 180,380; July 8.
Maryland Agricultural Society, The, Maryland Farm Bureau Federation, Baltimore, Md. Paper published twice every month. 196,602; July 8.
Mary May Candy Shoppe. (See Gotro, Agnes M.)
McCutcheon, James, & Company, New York, N. Y. Feather and down pillows, cribs, nursery chairs, etc. 193,234; July 8.
McGraw Hill Company, Inc., New York, N. Y. Trade journal. 197,385; July 8.
McNab, Frank O., doing business as The Southern Remedy Company, Tampa, Fla. Tonic laxative medicine. 197,207; July 8.
Melby, Olaf, Summit, S. D. Ointment. 182,055; July 8.
Messer, Ed., Confectionery Co., The, Cincinnati, Ohio. Candy. 192,260; July 8.
Meyer, Theodore, Philadelphia, Pa. Antiseptics, etc. 195,979; July 8.
Middle West Laboratories, Bloomington, Ill. Throat tablets, etc. 195,826; July 8.
Millers Milling Co., The, Enid, Okla. Wheat flour. 196,467; July 8.
Miss Junior Frocks, New York, N. Y. Dresses, cloaks, and suits. 191,235; July 8.
Molloy-Skelly Carpet Company, Inc., The, New York, N. Y. Textile rugs. 195,651; July 8.
More Life Food Co. (See Linch, Geo. E.)
Morrell, John, & Co., Ottumwa, Iowa. Canned peas and butter. 187,118; July 8.
Morse, A. G., Co., Chicago, Ill. Candy. 151,837; July 8.
Moss, Edgar A., Marion, Ind. Column heading. 196,179–80; July 8.
Moyans. (See Henius, Emil T.)
Murphy, George S., Inc., New York, N. Y. Jams, jellies, marmalades, etc. 184,510; July 8.
Murray Products Company, The, Detroit, Mich. Porch boxes, tubs, etc. 197,211; July 8.
Myers Paper Company, Memphis, Tenn. Writing paper, envelopes, paper napkins, etc. 192,783; July 8.
Myers, Willis S., Palm Springs, Calif. Fresh dates and date butter. 188,273–4; July 8.
National Lock Washer Company, The, Newark, N. J. Window-shade curtains. 189,860; July 8.
Nelson, Hugh, Columbia Carpet Mills, Philadelphia, Pa. Rugs and carpets. 195,067; July 8.
Neosol Company, The. (See MacEwen, Stuart R.)
New Haven Bread Co., The, New Haven, Conn. Macaroni. 196,965; July 8.
Newsham Insurance System Co., San Francisco, Calif. Printed forms. 190,606; July 8.
New York Cloak & Suit House of Los Angeles, Los Angeles, Calif. Women's, misses', and girls' clothing. 194,368–9; July 8.
Niagara Wall Paper Co., Niagara Falls, N. Y. Wall coverings such as wall paper. 180,189–90; July 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Nicholson, S. H., Decatur, Ill. Ointment. 196,028; July 8.
Nicholson, S. H., Decatur, Ill. Laxative. 196,029; July 8.
Norman, Samuel, Astoria, N. Y. Remedy for stomach, nerves, and intestinal disorders. 192,335; July 8.
Novelty Products, Inc., Chicago, Ill. Containers for food products. 196,542; July 8.
Nutrivoid Diabetic Flour Co. (See Kleiner, Israel S.)
O'Connell, Charles J., New York, N. Y. Loose-leaf binders. 193,417; July 8.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 197,040; July 8.
Oildom Publishing Co., Inc., Bayonne, N. J., and New York, N. Y. Monthly magazine. 179,817; July 8.
Oneida Community, Ltd., Oneida, N. Y. Canned asparagus. 192,544; July 8.
Opitz, Charles F., doing business as Vilamar, Perfumer, Long Island City, N. Y. Talc for use as a toilet powder. 196,670; July 8.
Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous fruits, dried and canned fruits, canned vegetables, etc. 196,190; July 8.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Flavoring extracts. 197,041; July 8.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Flavoring extracts. 197,217; July 8.
Pacific Wholesale Grocery Co., Los Angeles, Calif. Canned goods, tea, etc. 196,133; July 8.
Packwood, Frank M., doing business as Packwood Brothers, Lincoln, Nebr. Variable condensers. 194,464; July 8.
Page and Jones, doing business as Ideal Hosiery Mills, Philadelphia, Pa. Infants' and children's hosiery. 186,014; July 8.
Parker Pen Co., Janesville, Wis. Pens and pencils. 193,677; July 8.
Patent Cereals Company, The, Geneva, N. Y. Corn-flour preparation. 194,284; July 8.
Pearce, C. R., Company, The, Pittsburgh, Pa. Fancy pastry. 192,729; July 8.
Pearson, Robert D., Los Angeles, Calif. Coin-operated door locks. 195,458; July 8.
Pennsylvania Pulverizing Company, Lewistown, Pa. Pulverized or ground silica. 194,292; July 8.
Piercy, Charles G., also doing business as The Piercy Pain Powder Company, Columbus, Ohio. Medicinal preparation for rheumatism, headaches, etc. 186,524; July 8.
Pietzuch, Joseph, Cincinnati, Ohio. Boots, shoes, slippers. 177,405; July 8.
Pinto, Frank, Brooklyn, N. Y. Liquid antiseptics and ointments. 194,944; July 8.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Catchup, eggs in the shell, etc. 196,969; July 8.
Plummer, Alex R., also doing business as Plummer Brothers, Los Angeles, Calif. Catchup, olives, sauces, and fresh apples. 179,381; July 8.
Polak's Frutal Works, Amersfoort, Netherlands. Flavoring extracts and materials suitable for food products. 172,239; July 8.
Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 194,212; July 8.
Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 194,214–15; July 8.
Pontiac Knitting Mills Company, The, Cleveland, Ohio. Sweaters. 190,977; July 8.
Poor, Charles L., Co., New York, N. Y. Nainsook. 176,039; July 8.
Radio Frequency Laboratories, Inc., Boonton, N. J. Radio equipment. 196,192; July 8.
Radio Hat Company, The, St. Louis, Mo. Men's straw hats. 170,035; July 8.
Rasmussen, Chris, doing business as Rasmussen Electric Mfg. Co., Fresno, Calif. Electric theft alarms. 193,958; July 8.
Rathbun & Company, Utica, N. Y. Underwear and hosiery. 194,023; July 8.
Reed Air Filter Company, Louisville, Ky. Filters for aeroform fluids. 193,681; July 8.
Reese & Reese, Baltimore, Md. Papers. 190,467; July 8.
Reichard, John F., doing business as Manchester Cigar Company, York, Pa. Cigars. 190,707; July 8.
Reinhard Electric Motor Company, The, Cleveland, Ohio. Electric motors. 195,910; July 8.
Remmers Soap Company, The, Cincinnati, Ohio. Soap. 196,073; July 8.
Republic Varnish Company, Newark, N. J. Dry, paste, and ready-mixed paints, etc. 196,712; July 8.
Retail Ledger Publishing Company, Philadelphia, Pa. Magazine. 196,195; July 8.
Robinson, Jesse L., New Orleans, La. Beverage. 193,543; July 8.
Romano, Jacques, New York, N. Y. Liquid toilet cream. 196,622; July 8.
Rosedor Cigarette Co., New York, N. Y. Cigarettes. 196,404; July 8.
Rural Publishing Corp., The, Chicago, Ill. Publication. 197,298; July 8.
St. Louis Pump & Equipment Company, St. Louis, Mo. Storage receptacles for oils. 195,661; July 8.
Saks, Louis, Clothing Co., Birmingham, Ala. Men's and boys' suits and overcoats. 178,363; July 8.
Seaboard Rice Milling Company, Galveston, Tex. Rice. 194,819; July 8.
Sears and Nichols Canning Co., The, Chillicothe, Ohio. Canned vegetables. 193,629; July 8.
Sierra Vista Packing Association, Riverside, Calif. Fresh oranges. 192,152; July 8.
Silent Glow Oil Burner Corporation, The, West Hartford, Conn. Oil burners. 196,715; July 8.
Simple Device Company. (See Woodward, Henry R.)
Sinclair, Robert, Tobacco Company, Limited, The, Newcastle-on-Tyne, England. Snuff and smoking tobacco. 196,353; July 8.
Sitroux Importing Co. Inc., New York, N. Y. Hair nets. 197,563; July 8.
Skeen, D. H., doing business as D. H. Skeen & Company, Chicago, Ill. Valves and regulators. 194,675; July 8.
Smith, Fred A., Cleveland, Ohio. Ladies' hosiery. 195,545; July 8.
Smith, James P., & Company, New York, N. Y. Canned sardines. 195,991; July 8.
Smith, Max, doing business as Max Smith Company, Philadelphia, Pa. Ladies' bathing suits. 196,319; July 8.
Snyder, Jack, Publishing Company, Incorporated, New York, N. Y. Printed music. 194,134; July 8.
Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné," Royat, Puy-de-Dome, France. Jewelry and precious-metal ware. 177,204; July 8.
Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné," Royat, France. Household furniture. 191,413; July 8.
Société des Plaques et Poudres à Souder J. Laffitte, Paris, France. Welding metal for aluminum and aluminum alloys. 164,519; July 8.
Socony Burner Corporation, New York, N. Y. Burners. 190,618; July 8.
Southern Remedy Company, The. (See McNab, Frank O.)
Stein, Jacob, doing business as Winner Hat Manufacturing Company, New York, N. Y. Ladies' hats. 193,139; July 8.
Stempfacher, Walter M., & Bro., Inc., Philadelphia, Pa. Shirts. 195,024; July 8.
Sterling Wheelbarrow Co., Milwaukee, Wis. Wheelbarrows. 182,018; July 8.
Straub, W. F., Laboratories, Inc., Chicago, Ill. Chemical solvent. 196,552; July 8.
Strauss Leather Company, Pittsburgh, Pa. Leather shoes. 194,081; July 8.
Strohmeyer & Arpe Company, New York, N. Y. Canned fish. 196,080; July 8.
Sunray Stove Company, The, Delaware, Ohio. Gas stoves and ranges. 195,921–2; July 8.
Sussman, Wormser & Co., San Francisco, Calif. Canned fruits and vegetables. 195,464; July 8.
Susstrong, Carl A., doing business as Elstrong Mfg. Co., Chicago, Ill. Bloomers. 172,618; July 8.
Swine Breeders Pure Serum Company, Thorntown, Ind. Anti-hog-cholera serum and hog-cholera virus. 177,526; July 8.
T-A-D Company, Chicago, Ill. Trading cards. 196,271; July 8.
Taunton-New Bedford Copper Company, Taunton, Mass. Sheets and bars of brass or copper or alloys thereof, metal castings, etc. 196,211; July 8.
Taylor, William A., Northwilkesboro, N. C. Mouth wash. 196,212; July 8.
Textile Publishing Company, New York, N. Y. Publication. 188,454; July 8.
Thompson-Brogan Co., Yonkers, N. Y. Annual publication. 197,229; July 8.
Thompson, R. E., Manufacturing Company, Jersey City, N. J. Radio receiving sets and parts thereof, head telephones, loud speakers. 194,631; July 8.
Tiley Pratt Co., The, Essex, Conn. Nipples and steel smokes. 197,230; July 8.
Titan Machine & Mfg. Co., The, Cleveland, Ohio. Honing tools for grinding engine cylinders and the like. 190,214; July 8.
Toledo Merchandise Company, Toledo, Ohio. Writing paper, tablets, and envelopes. 195,786; July 8.
Topics, Inc., Chicago, Ill. Magazine. 193,196; July 8.
Townsend, Horace. Beverages and sirups for making same. 197,506; July 8.
Trapani, Dominick, Buffalo, N. Y. Salad oil. 166,414; July 8.
Trenlich & Klaas, Chicago, Ill. Pearls and pearl beads. 193,313; July 8.
Tribune Company, The, Chicago, Ill. Cartoons. 197,509–13; July 8.
Trumbull-Vanderpoel Electric Mfg. Co., The, Bantam, Conn. Electric safety switches. 192,285; July 8.
Turner & Walls, New York, N. Y. Cotton, silk, etc., shirtings in the piece. 196,084; July 8.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tyler, Benjamin, doing business as Interstate Laboratory. Cleveland, Ohio. Pharmaceutical preparation for minor wounds and skin abrasions. 196,036; July 8.
Tyler, Byron, Kansas City, Mo. Mixture of dried fruit and peanuts. 193,867; July 8.
U-Del-Lay Laboratories. (See Udell, Charles.)
Udell, Charles, and sometimes known as U-Del-Lay Laboratories, St. Louis, Mo. Hair tonic and fixative. 196,491; July 8.
Union Baking Company, Incorporated, Vancouver, Wash. Bread. 188,167; July 8.
Valve Engineering Company, Cambridge, Mass. Steam traps and spraying devices. 179,387; July 8.
Vilamar, Perfumer. (See Opitz, Charles F.)
Vogt, F. G., & Sons, Inc., Philadelphia, Pa. Prepared and canned meat products. 194,963; July 8.
Voisometer Manufacturing Company. (See Jacobsmeyer, Richard L.)
Von Faber-Castell, Alexander Graf, Stein, near Nuremberg, Germany. Linear measures, squares, angles, and drawing rulers. 178,832; July 8.
Wappler Electric Company, Inc., Long Island City, N. Y. High-frequency electric machines. 196,144; July 8.
Warner, Robert L. L., New York, N. Y. Dental molding material. 193,559; July 8.
Welded Products Manufacturing Co., Milwaukee, Wis. Trailers, hand and wagon trucks, and dollies. 191,244; July 8.
Welfare Incorporated, Missoula, Mont. School desks and book rests. 197,523; July 8.
White Showers Inc., Detroit, Mich. Sprinkling equipment for lawns, gardens, etc. 196,096; July 8.
White Sulphur Springs, Inc., White Sulphur Springs, W. Va. Mineral waters. 197,462; July 8.
White Wonder Company, The, Montgomery, Ala. Salve. 197,232; July 8.
Williams, Joseph C., Waco, Tex. Liniment. 196,283; July 8.
Winner Hat Manufacturing Company. (See Stein, Jacob.)
Wire Wheel Corporation of America, Buffalo, N. Y. Motor vehicles and parts thereof. 194,965; July 8.
Wirth, Dorsey M., Bucyrus, Ohio. Leather garment-supporting belts. 195,632; July 8.
Woodward, Henry R., doing business as Simple Device Co., Washington, D. C. Nostril expanders. 196,782; July 8.
Yaffa Bros., Brooklyn, N. Y. Medicinal treatment for coughs and colds. 196,042; July 8.
Yeast Mineral Supply Co. (See Casey, Paul S.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. United Coal & Dock Company. 186,461; July 8; Serial No. 192,163; published Apr. 29, 1924.
Leather. Griess Pfleger Tanning Company. 186,388; July 8; Serial No. 191,826; published Apr. 22, 1924
Oyster shell, Crushed. Gulf Crushing Co. 186,352; July 8; Serial No. 189,775; published Apr. 22, 1924.

CLASS 2.

Cabinet, Dispensing. Icy-O Metal Products Co. 186,314; July 8; Serial No. 191,130; published Apr. 22, 1924.
Receptacles. J. C. Dowd & Co. 186,276; July 8; Serial No. 192,898; published Apr. 22, 1924.

CLASS 3.

Bill folds. Humphreys Leather Goods Co. 186,359; July 8; Serial No. 192,123; published Apr. 22, 1924.
Harness fittings. J. C. Nichols. 186,362; July 8; Serial No. 192,192; published Apr. 22, 1924.

CLASS 4.

Auto top dressing. F. F. Dalley Company. 186,341; July 8; Serial No. 188,748; published Apr. 8, 1924.
Cleaner for the hands, Liquid. Rowell Corporation. 186,383; July 8; Serial No. 191,574; published Apr. 8, 1924.
Cleaning compound. L. A. Dermody. 186,376; July 8; Serial No. 192,819; published Apr. 22, 1924.
Cleaning compound. Economics Laboratory, Incorporated. 186,368; July 8; Serial No. 192,319; published Apr. 22, 1924.
Cleaning gloves and hats and bleaching hats. Compositions for dry-. J. Charles. 186,347; July 8; Serial No. 189,552; published Apr. 15, 1924.
Cleaning metals and textiles, Chemicals for. Macdermid Incorporated. 186,356; July 8; Serial No. 190,198; published Apr. 8, 1924.
Cleaning preparation, General. Lawrence Manufacturing Co. 186,333 July 8; Serial No. 183,338; published Apr. 22, 1924.
Cleaner, Aluminum. Brillo Manufacturing Company. 186,273; July 8; Serial No. 192,954; published Apr. 22, 1924.
Cleansing and soap compounds. Crozine Products Company. 186,305; July 8; Serial No. 174,013; published Apr. 22, 1924.
Liquid for removing stains from wearing apparel. J. W. Rice. 186,311; July 8; Serial No. 191,342; published Apr. 22, 1924.
Oil, Dressing. Faatz Manufacturing Co. 186,269; July 8. Serial No. 193,035; published Apr. 22, 1924.
Polish, Metal and glass. Twinkle Polish Corporation. 186,259; July 8; Serial No. 193,430; published Apr. 22, 1924.
Polish, White shoe. Ree-Le-Good Manufacturing Co. 186,302; July 8; Serial No. 167,428; published Apr. 8, 1924.
Preparation for applying to shoe soles. D. E. Bender. 186,346; July 8; Serial No. 189,516; published Apr. 22, 1924.
Razor-strop coatings and softeners. W. W. Charles. 186,304; July 8; Serial No. 173,997; published Apr. 22, 1924.
Rope, belt, and cordage dressing and paste. Frontier Manufacturing Company. 186,272; July 8; Serial No. 192,969; published Apr. 22, 1924.
Saponaceous compound. Standard Oil Company (New Jersey). 186,260; July 8; Serial No. 193,426; published Apr. 22, 1924.
Soap. Eavey Company. 186,270; July 8; Serial No. 193,034; published Apr. 22, 1924.
Soap. W. H. Flood. 186,398; July 8; Serial No. 151,214; published Apr. 15, 1924.
Soap. H. Kohnstamm Co. 186,277; July 8; Serial No. 192,846; published Apr. 22, 1924.
Soap. Swift and Company. 186,367; July 8; Serial No. 192,283; published Apr. 22, 1924.
Soap. Swift and Company. 186,369; July 8; Serial No. 192,342; published Apr. 22, 1924.
Soap. Windsor Soap Co. 186,301; July 8; Serial No. 166,118; published Dec. 12, 1922.
Soap and washing powder. Iowa Soap Company. 186,344; July 8; Serial No. 189,361; published Apr. 15, 1924.
Soap, Hand. Moulin Brothers. 186,360; July 8; Serial No. 192,141; published Apr. 1, 1924.
Soap, Liquid. S. Glemby's Sons Co. 186,263; July 8; Serial No. 193,333; published Apr. 22, 1924.
Soap, Liquid. S. Glemby's Sons Co. 186,266; July 8; Serial No. 193,107; published Apr. 22, 1924.
Soap, Liquid. S. Glemby's Sons Co. 186,267; July 8; Serial No. 193,104; published Apr. 22, 1924.
Soap, Liquid. S. Glemby's Sons Co. 186,268; July 8; Serial No. 193,100; published Apr. 22, 1924.
Soap, Liquid. O. Justus. 186,306; July 8; Serial No. 174,455; published Apr. 24, 1923.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 186,373–4; July 8; Serial No. 192,639–40; published Apr. 22, 1924.
Soaps. Scholler Brothers, Inc. 186,366; July 8; Serial No. 192,275; published Apr. 22, 1924.
Soaps and washing and soap powders. Röhm & Haas Aktiengesellschaft. 186,332; July 8; Serial No. 183,540; published Apr. 22, 1924.
Type cleaner. F. G. Rempe. 186,335; July 8; Serial No. 181,044; published Apr. 1, 1924.
Waterproofing compound. C. Sleep. 186,313; July 8; Serial No. 191,189; published Apr. 8, 1924.

CLASS 5.

Paste. Tacks Manufacturing Company. 186,265; July 8; Serial No. 193,141; published Apr. 22, 1924.

CLASS 6.

Germicide and antiseptic tablets, lotions, etc. American Beslin Corporation. 186,357; July 8; Serial No 192,051; published Apr. 29, 1924.
Powder, Face. F. M. Prindle. 186,319; July 8; Serial No. 190,978; published Mar. 18, 1924.

CLASS 9.

Firearms. J. P. Sauer & Sohn. 186,408; July 8; Serial No. 192,929; published Apr. 29, 1924.
Matches. Gordon, Sewall & Co. 186,426; July 8; Serial No. 193,396; published Apr. 22, 1924.
Matches. Suomen Tulitikkutehdas Osakeyhtiö Finska Tändsticks Aktiebolaget. 186,443; July 8; Serial No. 191,452; published Apr. 29, 1924.

CLASS 12.

Roofing, Manufactured materials for. F. C. Sheldon Slate Co. 186,477; July 8.

CLASS 19.

Brakes, vehicle parts, and accessories. S & A Brake Company. 186,402; July 8; Serial No. 165,609; published Apr. 29, 1924.
Journal boxes, truck side frames, draft-rigging parts. T. H. Symington Company. 186,307; July 8; Serial No. 174,541; published Apr. 22, 1924.

CLASS 22.

Balls, footballs, toy balls, playballs, etc., Basket. Victor Novelty Mfg. Company. 186,409; July 8; Serial No. 185,273; published Apr. 29, 1924.
Fishline leaders and snells. Kinnicknnic Tackle Co. 186,442; July 8; Serial No. 191,491; published Apr. 29, 1924.

CLASS 31.

Machinery and equipment, Dairy, etc. Creamery Package Mfg. Company. 186,349–51; July 8; Serial No. 189,761–3; published Apr. 22, 1924.

CLASS 32.

Cabinets, Map. G. F. Kelly. 186,312; July 8; Serial No. 191,323; published Apr. 15, 1924.
Desks, tables, tea wagons, etc. Wilhelm Furniture Company. 186,323; July 8; Serial No. 190,662; published Apr. 15, 1924.
Radio outfits, Cabinets to contain. Electrotype Blocking Co. 186,342; July 8; Serial No. 188,993; published Apr. 15, 1924.
Table slide bars. Watertown Table Slide Company. 186,320; July 8; Serial No. 190,822; published Apr. 8, 1924.

CLASS 34.

Burners, Gas. Geo. Bray & Co., Limited. 186,280; July 8; Serial No. 193,569; published Apr. 29, 1924.

CLASS 35.

Belting, Leather. H. E. Whiting. 186,413; July 8; Serial No. 188,036; published Apr. 29, 1924.
Belting, Leather and rubber. E. C. Atkins & Company. 186,336; July 8; Serial No. 180,576; published Oct. 23, 1923.
Beltings and packings and rubber hose. Foster-Alexander Corporation. 186,317; July 8; Serial No. 191,011; published Apr. 22, 1924.
Brake lining, machinery packing, hose, and belting, etc. E. M. Smith Co. 186,328; July 8; Serial No. 190,362; published Apr. 22, 1924.
Mill supplies. W. H. Robb. 186,303; July 8; Serial No. 168,902; published Apr. 22, 1924.
Packing rings. Frank Motor Products Corp. 186,482; July 8.

CLASS 37.

Announcements, business stationery, etc. Hampshire Paper Company. 186,257; July 8; Serial No. 193,707; published Apr. 22, 1924.
Blank forms, pass books, and paper checkbook covers. Western Lithograph Company. 186,340; July 8; Serial No. 188,723; published Apr. 22, 1924.
Cards, Correspondence. L. J. Rouleau. 186,339; July 8; Serial No. 188,439; published Apr. 22, 1924.
Gummed tape. Paper Service Company. 186,396; July 8; Serial No. 191,972; published Apr. 22, 1924.
Indexing devices. Dex Company. 186,387; July 8; Serial No. 191,756; published Apr. 22, 1924.
Paper. T. B. Little Company Limited. 186,338; July 8; Serial No. 188,037; published Apr. 22, 1924.
Paper. Webb Lithograph Company. 186,316; July 8; Serial No. 191,047; published Apr. 22, 1924.
Paper, Toilet. Universal Crepe & Tissue Mills, Inc. 186,375; July 8; Serial No. 192,804; published Apr. 22, 1924.
Paper, Writing. Alling & Cory Company. 186,370; July 8; Serial No. 192,351; published Apr. 22, 1924.
Staples and stapling machines. J. B. Crofoot Co. 186,364; July 8; Serial No. 192,246; published Apr. 22, 1924.
Papers. Whitaker Paper Company. 186,258; July 8; Serial No. 193,483; published Apr. 22, 1924.
Telephone directories, kitchen reminders, blotters, etc., Blank. Henderson Lithographing Co. 186,355; July 8; Serial No. 189,897; published Apr. 22, 1924.

CLASS 38.

Books. Ronald Press Company. 186,310; July 8; Serial No. 191,346; published Apr. 15, 1924.
Books. Simon & Schuster. 186,363; July 8; Serial No. 192,198; published Apr. 22, 1924.
Calendars. Messenger Publishing Company. 186,395; July 8; Serial No. 191,968; published Apr. 15, 1924.
Chart of graduated colors and matter pertaining to the use thereof. Wm. Filene's Sons Company. 186,377; July 8; Serial No. 191,376; published Apr. 22, 1924.
Magazine. New York Times Company. 186,382; July 8; Serial No. 191,563; published Apr. 15, 1924.
Magazine, Monthly. Topics, Incorporated. 186,389; July 8; Serial No. 191,856; published Apr. 22, 1924.
Magazine, Name and designation of a monthly. Big Store Co. 186,325; July 8; Serial No. 190,629; published Apr. 22, 1924.

Periodical, Monthly. Hildreth Varnish Company. 186,365; July 8; Serial No. 192,256; published Apr. 15, 1924.
Periodicals, Monthly. Corlies, Macy & Co. 186,408; July 8; Serial No. 184,653; published Apr. 22, 1924.
Publication. Riches, Piver & Co. 186,361; July 8; Serial No. 192,151; published Apr. 15, 1924.
Publications. Theater Equipment Directory Company. 186,315; July 8; Serial No. 191,103; published Apr. 8, 1924.

CLASS 39.

Blouses, waists, gowns, dresses. Deutz & Ortenberg, Inc. 186,337; July 8; Serial No. 186,979; published Apr. 22, 1924.
Caps, lingerie, and dressing sacks. Simone Co. 186,457; July 8; Serial No. 191,985; published Apr. 22, 1924.
Coats and capes. Meade Rubber Sales Company. 186,466; July 8; Serial No. 192,780; published Apr. 22, 1924.
Coats and capes. Rosing & Cohn, Inc. 186,460; July 8; Serial No. 192,091; published Apr. 22, 1924.
Coats, dresses, lingerie, and millinery. L. Tredwell. 186,446; July 8; Serial No. 191,104; published Apr. 22, 1924.
Coats, vests, caps, and breeches. Werber Leather Coat Co. 186,326; July 8; Serial No. 190,623; published Apr. 22, 1924.
Dress robes. Max Schwarz Textile Corporation. 186,462; July 8; Serial No. 192,499; published Apr. 22, 1924.
Gloves, mittens, gauntlets, hosiery. Rouse, Hempstone & Co. 186,400; July 8; Serial No. 158,097; published Apr. 22, 1924.
Gloves, Workingmen's jersey-cloth. Boss Manufacturing Company. 186,417; July 8; Serial No. 190,444; published Apr. 15, 1924.
Hats, Ladies'. Fisher Millinery Company. 186,427; July 8; Serial No. 191,879; published Apr. 22, 1924.
Hats, Men's straw. J. C. Penney Company. 186,420; July 8; Serial No. 190,852; published Apr. 29, 1924.
Hosiery. A. E. Burns. 186,459; July 8; Serial No. 192,064; published Apr. 22, 1924.
Hosiery. Hosch Brothers Company. 186,467; July 8; Serial No. 192,915; published Apr. 22, 1924.
Neckties. Meyer, Bacharach & Friedheim. 186,470; July 8; Serial No. 192,984; published Apr. 22, 1924.
Neckties and cravats. Hughes & Bradley Co. 186,463; July 8; Serial No. 192,535; published Apr. 29, 1924.
Overalls and jackets, butchers' and shop mechanics' coats and aprons. Knight-Price Company. 186,440; July 8; Serial No. 191,628; published Apr. 22, 1924.
Overalls, pants, jumpers, and work shirts. Springfield Grocer Co. 186,324; July 8; Serial No. 190,659; published Apr. 22, 1924.
Overalls, pants, knickers, etc. Black Manufacturing Co. 186,322; July 8; Serial No. 190,757; published Apr. 22, 1924.
Overcoats, coats, vests, and pants. Men's. Rosenberg Bros. & Co. 186,308; July 8; Serial No. 190,654; published Apr. 22, 1924.
Play suits, boys' shirts, overalls, etc. Richardson Dry Goods Company. 186,321; July 8; Serial No. 190,800; published Apr. 22, 1924.
Shirts. Fleer & Larsen. 186,438; July 8; Serial No. 191,764; published Apr. 22, 1924.
Shirts. Greenebaum, Weil & Michels. 186,452; July 8; Serial No. 189,849; published Apr. 22, 1924.
Shirts. E. C. Patterson, Jr. 186,447; July 8; Serial No. 190,851; published Apr. 22, 1924.
Shirts, Dress and negligee. Cluett, Peabody & Co. 186,394; July 8; Serial No. 191,939; published Apr. 22, 1924.
Shirts, Golf. L. Bamberger & Co. 186,465; July 8; Serial No. 192,748; published Apr. 22, 1924.
Shirts, nightshirts, pyjamas, and boys' blouses. Phillips-Jones Corporation. 186,353; July 8; Serial No. 189,814; published Apr. 22, 1924.
Shoes. International Shoe Company. 186,418–19; July 8; Serial Nos. 190,590–1; published Apr. 22, 1924.
Shoes, Children's. F. Levy Shoe Co. 186,435; July 8; Serial No. 158,317; published Oct. 10, 1922.
Shoes, Leather. International Shoe Company. 186,421–3; July 8; Serial Nos. 191,621–3; published Apr. 22, 1924.
Sweaters. Knitwear Mfg. Co. 186,404; July 8; Serial No. 170,299; published Apr. 22, 1924.
Trousers, pants, vests, coats, jackets, and overcoats. Globe Tailoring Company. 186,441; July 8; Serial No. 191,541; published Apr. 22, 1924.

CLASS 40.

Bedcovers, over persons while in bed, Devices for holding. Kiddies Keep Kover Kompany. 186,345; July 8; Serial No. 189,508; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,274–5; July 8; Serial Nos. 192,951–2; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,378–9; July 8; Serial Nos. 191,464–5; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,380; July 8; Serial No. 191,468; published Apr. 15, 1924.

Combs, Hard-rubber. American Hard Rubber Company. 186,381; July 8; Serial No. 191,466; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,384–6; July 8; Serial Nos. 191,735–7; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,390; July 8; Serial No. 191,862; published Apr. 15, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,391–3; July 8; Serial Nos. 191,864–6; published Apr. 15, 1924.
Laces and braids, Shoe. H. Fawcett. 186,343; July 8; Serial No. 189,045; published Apr. 8, 1924.
Snap fasteners. S. Bakal and Son. 186,371; July 8; Serial No. 192,354; published Apr. 15, 1924.
Transformations, hair pieces, switches, pompadours. A. Breslauer, Inc. 186,318; July 8; Serial No. 190,998; published Apr. 8, 1924.

CLASS 42.

Cotton and woolen piece goods. Rice Stix Dry Goods Company. 186,297; July 8; Serial No. 193,959; published Apr. 29, 1924.
Cotton piece goods. Parkhill Manufacturing Company. 186,372; July 8; Serial No. 192,636; published Apr. 29, 1924.
Cotton piece goods and household linen. N. Y. Cotton Stores Inc. 186,262; July 8; Serial No. 193,303; published Apr. 29, 1924.
Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 186,472–5; July 8; Serial Nos. 193,049–52; published Apr. 29, 1924.
Cotton, wool, linen, silk, etc., fabrics and embroideries. Heberlein & Co., A. G. 186,416; July 8; Serial No. 188,485; published Apr. 29, 1924.
Fabrics in the piece, Pile. Salt's Textile Manufacturing Company. 186,445; July 8; Serial No. 191,283; published Apr. 22, 1924.
Haircloth, cotton and woolen piece goods and combinations thereof. M. A. Emerling. 186,287; July 8; Serial No. 193,665; published Apr. 29, 1924.
Hair nets. Fisher Bros. Paper Co. 186,348; July 8; Serial No. 189,560; published Apr. 22, 1924.
Handkerchiefs. New York Handkerchief Manufacturing Co. 186,449; July 8; Serial No. 190,464; published Apr. 29, 1924.
Hemp textile fabrics, Woven. Lowell Bleachery. 186,327; July 8; Serial No. 190,601; published Apr. 29, 1924.
Linen and cotton goods in the piece, tablecloths, napkins, etc. James McCutcheon & Company. 186,424; July 8; Serial No. 193,232; published Apr. 29, 1924.
Linens, Bed and table. L. Feibleman & Co. 186,330; July 8; Serial No. 185,454; published Apr. 29, 1924.
Rugs, carpets, and runners, Textile. A. J. Kirchner. 186,399; July 8; Serial No. 151,221; published Apr. 22, 1924.
Silk fabrics, Broad. Klotz Silk Manufacturing Company. 186,450; July 8; Serial No. 190,418; published Apr. 22, 1924.
Silk goods in the piece. Bendix & Fiber, Inc. 186,358; July 8; Serial No. 192,057; published Apr. 29, 1924.
Silk piece goods. Audiger & Meyer Silk Company. 186,271; July 8; Serial No. 193,983; published May 27, 1924.
Silk piece goods. Bleyer & Weinberg. 186,284–5; July 8; Serial Nos. 193,653–4; published Apr. 29, 1924.
Silk piece goods. Bleyer & Weinberg. 186,286; July 8; Serial No. 193,656; published Apr. 29, 1924.
Silk piece goods. Duplan Silk Corporation. 186,256; July 8; Serial No. 193,508; published Apr. 29, 1924.
Silk piece goods, Manufactured. Amalgamated Silk Corporation. 186,425; July 8; Serial No. 193,373; published Apr. 29, 1924.
Textile composition. R. J. Sefton. 186,458; July 8; Serial No. 192,040; published Apr. 22, 1924.
Towels, bath mats, face cloths, and piece goods. S. Holt. 186,411; July 8; Serial No. 185,705; published Apr. 22, 1924.
Towels, Textile. J. J. Russell. 186,444; July 8; Serial No. 191,449; published Apr. 22, 1924.
Woolen and worsted piece goods. Alt Woolen Company. 186,471; July 8; Serial No. 193,018; published Apr. 29, 1924.
Woolen fabrics. M. Shidlovsky & Co. 186,464; July 8; Serial No. 192,647; published Apr. 29, 1924.
Woolen piece goods. E. J. Wile & Co. 186,439; July 8; Serial No. 191,655; published Apr. 22, 1924.

CLASS 43.

Silk, Sewing and embroidery. Marshall Field & Company. 186,283; July 8; Serial No. 193,583; published Apr. 22, 1924.
Thread. Union Thread Company. 186,469; July 8; Serial No. 192,943; published Apr. 29, 1924.
Yarn. Prospect Sales Co. 186,448; July 8; Serial No. 190,650; published Apr. 22, 1924.
Yarn. Wool Novelty Co. 186,397; July 8; Serial No. 129,437; published Apr. 29, 1924.
Yarns. Heberlein & Co., A. G. 186,415; July 8; Serial No. 188,479; published Apr. 29, 1924.
Yarns. Heberlein & Co., A. G. 186,456; July 8; Serial No. 188,486; published Apr. 29, 1924.
Yarns and thread, Dyed and glazed. Insulating Materials Company. 186,476; July 8; Serial No. 193,175; published Apr. 22, 1924.

CLASS 45.

Ginger ale. Southwestern Coca-Cola Bottling Company. 186,453; July 8; Serial No. 189,590; published Apr. 29, 1924.
Sarsaparilla and ginger ale. Schoneberger and Noble, Inc. 186,261; July 8; Serial No. 193,421; published Apr. 29, 1924.

CLASS 46.

Biscuits. Independent Baking Co. 186,430; July 8; Serial No. 193,592; published Apr. 29, 1924.
Bread. P. Duchaine. 186,406; July 8; Serial No. 176,170; published Apr. 22, 1924.
Bread. 20th Century Bakery, Inc. 186,432; July 8; Serial No. 193,739; published Apr. 29, 1924.
Bread and cakes. Ruch-Drompp Grocery Company. 186,428; July 8; Serial No. 192,645; published Apr. 29, 1924.
Butter. Barron Co-Operative Creamery Company. 186,483; July 8.
Candies. N. R. Maslen. 186,410; July 8; Serial No. 185,529; published Apr. 29, 1924.
Candy. Candy Crabb Stores Co. 186,454; July 8; Serial No. 189,489; published Apr. 29, 1924.
Candy. Chase Candy Company. 186,414; July 8; Serial No. 188,089; published Apr. 29, 1924.
Candy. B. L. Johnson & Co. 186,309; July 8; Serial No. 178,254; published Jan. 1, 1924.
Candy. Weinstein & Smith. 186,289; July 8; Serial No. 193,689; published Apr. 29, 1924.
Canned berries, fruits, and vegetables. Everett Fruit Products Company. 186,480; July 8.
Canned fruits. Great Atlantic & Pacific Tea Company. 186,354; July 8; Serial No. 189,892; published Apr. 22, 1924.
Canned fruits. Kings County Packing Company. 186,401; July 8; Serial No. 164,926; published Apr. 29, 1924.
Canned fruits, vegetables, and fish and dried fruits. W. J. Marshall. 186,291–3; July 8; Serial Nos. 193,775–7; published Apr. 29, 1924.
Canned fruits, vegetables and fish and dried fruits. W. J. Marshall. 186,295; July 8; Serial No. 193,778; published Apr. 29, 1924.
Canned vegetables. C. O. Dawson. 186,481; July 8.
Canned vegetables. National Packing Corporation. 186,405; July 8; Serial No. 171,944; published Apr. 29, 1924.
Celery. H. Mohilewsky. 186,264; July 8; Serial No. 193,236; published Apr. 22, 1924.
Cheese. N. Lear. 186,478; July 8.
Chickens. D. T. Farrow. 186,479; July 8.
Chocolates. F. Hall. 186,437; July 8; Serial No. 191,960; published Apr. 29, 1924.
Coffee. G. G. Buse. 186,278; July 8; Serial No. 193,501; published Apr. 29, 1924.
Confections. J. Ravizza. 186,331; July 8; Serial No. 183,852; published Nov. 27, 1923.
Corn chop, soft-wheat bran and mill run, etc., Yellow-Holland O'Neal Milling Co. 186,329; July 8; Serial No. 186,905; published Feb. 12, 1924.
Flour. Wallace Milling Company. 186,484; July 8.
Flour, Wheat. Hanover Star Milling Company. 186,429; July 8; Serial No. 193,040; published Apr. 29, 1924.
Flour, Wheat. Hanover Star Milling Company. 186,436; July 8; Serial No. 193,039; published Apr. 29, 1924.
Flour, Wheat. Minneapolis Milling Company. 186,434; July 8; Serial No. 193,941; published Apr. 29, 1924.
Flour, Wheat. Southwestern Milling Company. 186,485; July 8.
Flour, Wheat. Texas Star Flour Mills. 186,298; July 8; Serial No. 159,897; published Nov. 7, 1922.
Fruits and asparagus, Fresh. Hunt, Hatch & Co. 186,300; July 8; Serial No. 165,137; published Oct. 9, 1923.
Fruits and green vegetables, Fresh deciduous and citrous. F. S. Eckel. 186,334; July 8; Serial No. 182,655; published Apr. 22, 1924.
Fruits, Fresh citrous. Babson Park Citrus Growers Association. 186,279; July 8; Serial No. 193,565; published Apr. 29, 1924.
Fruits, Fresh citrous. College Heights Orange & Lemon Association. 186,290; July 8; Serial No. 193,697; published Apr. 29, 1924.
Fruits, Fresh citrous. Mutual Orange Distributors. 186,403; July 8; Serial No. 168,061; published Apr. 29, 1924.
Fruits, Fresh citrous. Sunland Packing House Co. 186,288; July 8; Serial No. 193,685; published Apr. 29, 1924.
Grapes, Fresh. Earl Fruit Company. 186,281–2; July 8; Serial Nos. 193,578–9; published Apr. 29, 1924.
Grapes, Fresh. C. T. Johns. 186,455; July 8; Serial No. 189,004; published Apr. 29, 1924.
Honey. W. P. Southworth. 186,299; July 8; Serial No. 162,955; published Apr. 1, 1924.
Oats and oatmeal. H-O Cereal Company. 186,407; July 8; Serial No. 183,522; published Apr. 29, 1924.

Oats, Rolled. Albers Bros. Milling Co. 186,433; July 8; Serial No. 193,881; published Apr. 29, 1924.
Pies. L. Eckel. 186,431; July 8; Serial No. 193,664; published Apr. 29, 1924.
Pop corn, Candy-coated. P. C. Heim. 186,412; July 8; Serial No. 185,869; published Apr. 29, 1924.
Potatoes. J. R. H. Hilton. 186,451; July 8; Serial No. 190,159; published Apr. 29, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 186,294; July 8; Serial No. 193,821; published Apr. 29, 1924.
Vegetables, Fresh. C. E. Nosler. 186,296; July 8; Serial No. 193,780; published Apr. 29, 1924.

ALPHABETICAL LIST OF LABELS.

A Canoe Load. For Candy. C. F. Hickok Co. 27,547; July 8.
Allen Special Radio Sodering Paste. For Soldering Flux in Paste Form. L. B. Allen Company. 27,530; July 8.
Banquet Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 27,555; July 8.
Bluhill Green Chile Cheese. For Cheese Flavored with the Fruit and Seeds of Green Chili. Martin Bros. Company. 27,554; July 8.
Bluhill Pimento Cheese. For Cheese Flavored with the Fruit or Berries and Seeds of Pimentoes. Martin Bros. Company. 27,553; July 8.
Bobdhair Hair Pins. For Hairpins. Hump Hair Pin Manufacturing Co. 27,548; July 8.
Bob Shampoo. For Soap. Crofts & Reed Co. 27,539; July 8.
Claytons Yellow Apple Liver Pills. For Liver Pills. W. O. Clayton. 27,537; July 8.
Coleman Camp Stove. For Camp Stoves. Coleman Lamp Company. 27,538; July 8.
Cream Crust. For Bread. H. V. Walters. 27,562; July 8.
Dandyboy. For Tomatoes. Gumpertz & Gotfried. 27,544; July 8.
Délores. For Canned Sardines. M. A. Rex. 27,557; July 8.
Diuform. For a Diuretic Remedy. International Pharmaceutical Co. 27,550; July 8.
Eline's Automobile Special Chocolate. For Chocolate. Eline's Incorporated. 27,540; July 8.
Eline's First Lady Of The Land Chocolate. For Chocolate. Eline's Incorporated. 27,541; July 8.
Graham. For Bread. Waxide Paper Company. 27,566; July 8.
Handy Packet. For Confectionery. Allen-Qualley Company. 27,531–2; July 8.
Harvest. For Bread. H. V. Walters. 27,561; July 8.
Hilundale. For Pigment Paste for Use as a Stippling Coat. R. F. Johnston Paint Company. 27,552; July 8.
Home Made. For Bread. Waxide Paper Company. 27,564; July 8.
Monophen. For a Hypnotic and Antineuralgic Remedy. International Pharmaceutical Co. 27,549; July 8.
No-Rub. For Metal Polish. Abston & Lindenberg, Mfgrs. 27,529; July 8.
Petrolene Blue Barrel. For Scouring Powder. Haskins Bros. & Company. 27,546; July 8.
Potato Bread. For Bread. Waxide Paper Company. 27,565; July 8.
Princess Flower Garden Assortment. For Candy. Milwaukee Paper Box Company. 27,556; July 8.
Raisin. For Bread. Waxide Paper Company. 27,563; July 8.
Renatine. For a Diuretic Remedy. International Pharmaceutical Co. 27,551; July 8.
Ripe Brown. For Cigars. Bayuk Cigars Incorporated. 27,535; July 8.
Ripe Light. For Cigars. Bayuk Cigars Incorporated. 27,533; July 8.
Ripe Light Brown. For Cigars. Bayuk Cigars Incorporated. 27,534; July 8.
Royal Purple Capsules. For Medicine for the Treatment of Delayed Menstruation. Useful for Painful Menses, Relieving Burning and Chafing. First National Laboratories, Inc. 27,542; July 8.
Royal Purple Pills. For Medicine for the Treatment of Delayed Menstruation. Useful for Painful Menses, Relieving Burning and Chafing. First National Laboratories, Inc. 27,543; July 8.
Rye Bread. For Bread. Waxide Paper Company. 27,567; July 8.
Rye Bread. For Bread. Waxide Paper Company. 27,569; July 8.
Starr's Pure Root & Herb Tablets. For Tablets. F. M. Starr. 27,560; July 8.
Surety. For Bias Tape. Samstag & Hilder Bros., Inc. 27,559; July 8.
Tubola. For Cleaning and Scouring Powder. Chamberlain Company. 27,536; July 8.
Twin Loaf. For Bread. Waxide Paper Company. 27,568; July 8.
Uncle Sam Circles the Globe. For Shirts. Salant & Salant Inc. 27,558; July 8.
Uncle Wiggily Rubber Picture Stamps and Coloring Outfit. For Toy Rubber-Stamp Outfits. Fred. A. Wish, Inc. 27,571; July 8.
Ushco Brand No. 47. For Bits. U. S. Hame Company. 27,545; July 8.
Wilsonettes. For Confections. Ernest Wilson Company. 27,570; July 8.

ALPHABETICAL LIST OF PRINTS.

C C O. For Lighting Fixtures. Comly & Co. 7,464; July 8.
Getting Up Steam. For Wheat Breakfast Food. Cream Of Wheat Co. 7,466; July 8.
Irving Eggcrate. For Fireproof Ventilated Floorings. Irving Iron Works Company. 7,471; July 8.
Irving Subway. For Fireproof Ventilated Floorings. Irving Iron Works Company. 7,470; July 8.
Irving Subway. For Fireproof Ventilated Floorings. Irving Iron Works Company. 7,472; July 8.
Les Poudres de Coty. For Powders. Coty, Inc. 7,465; July 8.
Let's see your teeth. For Colgate's Ribbon Dental Cream. Colgate & Company. 7,463; July 8.
Movie Favorites. For Confections and the Like. S. Goldberg. 7,468; July 8.
Pabst Blue Ribbon. For Cereal Beverage. Pabst Corporation. 7,475; July 8.
Pabst Ginger Ale. For Ginger Ale. Pabst Corporation. 7,476; July 8.
Smiling teeth for life. For Colgate's Ribbon Dental Cream. Colgate & Company. 7,462; July 8.
Stewart Taxi Needle Book. For Taxicabs. Luther E. Martin Company. 7,473; July 8.
The Easy Way Is The Certo Way. For Certo. Douglas-Pectin Corp. 7,467; July 8.
The Heart of the Home. For Hot-Water Heaters. Holyoke Heater Co. 7,469; July 8.
Wear-More. For Harnesses. John C. Nichols Co. 7,474; July 8.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. Endicott Johnson Corporation. 196,585; July 8.
Silica. Pennsylvania Pulverizing Company. 194,292; July 8.

CLASS 2.

Bags, Fabric. Fulton Bag & Cotton Mills. 184,546; July 8.
Boxes, tubs, etc., Porch. Murray Products Company. 197,211; July 8.
Cases, Spectacle. Bausch and Lomb Optical Company. 196,645; July 8.
Containers for food products. Novelty Products, Inc. 196,542; July 8.
Receptacles for oils, Storage. St. Louis Pump & Equipment Company. 195,661; July 8.

CLASS 4.

Hand cleaner. C. J. Darcé. 194,165; July 8.
Soap. Remmers Soap Company. 196,073; July 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 5.

Flour preparation, Corn-. Patent Cereals Company. 194,284; July 8.

CLASS 6.

Anæsthetic. Franco American Chemical Works. 196,015; July 8.
Antiseptics and ointments, Liquid. F. Pinto. 194,944; July 8.
Antiseptics, etc. T. Meyer. 195,979; July 8.
Arsenical drugs. S. R. MacEwen. 195,705; July 8.
Chemical solvent. W. F. Straub Laboratories, Inc. 196,552; July 8.
Compound for destroying boll weevils, etc. Crawford & Luke. 195,158; July 8.
Cream, Liquid toilet. J. Romano. 196,622; July 8.
Disinfectants and germicides. Graesser-Monsanto Chemical Works Limited. 189,891; July 8.
Hair tonic and fixative. C. Udell. 196,491; July 8.
Hair tonic and hair pomade. M. L. Lewis. 195,293; July 8.
Laxative. S. H. Nicholson. 196,029; July 8.
Liniment. H. R. Adams. 194,504; July 8.
Liniment. J. C. Williams. 196,283; July 8.
Lotion. L. Dickinson. 195,876; July 8.
Lotions, Liquid. H. G. Holland. 195,291; July 8.
Medicinal preparation for rheumatism, cramps, headaches, etc. C. G. Piercy. 186,524; July 8.
Medicinal treatment for coughs and colds. Yaffa Bros. 196,042; July 8.
Medicine. Law's Lung-Ease Mfg. Co. 196,531; July 8.
Medicine, Tonic laxative. F. O. McNab. 197,207; July 8.
Mouth wash. W. A. Taylor. 196,212; July 8.
Ointment. O. Melby. 182,055; July 8.
Ointment. S. H. Nicholson. 196,028; July 8.
Perfumes. Lionel Trading Co. 192,629; July 8.
Pharmaceutical preparation. Digestive Ferments Company. 195,266–7; July 8.
Pharmaceutical preparation for minor wounds and skin abrasions. B. Tyler. 196,036; July 8.
Preparation for the treatment of all forms of inflammation, etc. J. Martin. 180,380; July 8.
Remedy for stomach, nerves, and intestinal disorders. S. Norman. 192,335; July 8.
Salve. White Wonder Company. 197,232; July 8.
Serum and hog-cholera virus, Anti-hog-cholera. Swine Breeders Pure Serum Company. 177,526; July 8.
Shampoos and hair tonic. Mango Tani Corporation. 196,536; July 8.
Tablets, etc., Throat. Middle West Laboratories. 195,826; July 8.
Tablets, Laxative. Fellows Medical Manufacturing Company. 196,451; July 8.
Talc for use as a toilet powder. C. F. Opitz. 196,670; July 8.

CLASS 10.

Fertilizer. American Agricultural Chemical Company. 196,421; July 8.

CLASS 13.

Fenceposts, Metallic. Calumet Steel Company. 196,049; July 8.
Grills, Cooking. Darmac Company. 197,137; July 8.
Shade or window-blind rollers, Window-. Haglund & Söners Handles- & Fabriksaktiebolag. 180,335; July 8.
Sprinkling equipment for lawns, gardens, etc. White Showers Inc. 196,096; July 8.
Steam traps and spraying devices. Valve Engineering Company. 179,387; July 8.
Valves, and cocks. Edna Brass Mfg. Co. 196,796; July 8.
Valves and regulators. D. H. Skeen. 194,675; July 8.

CLASS 14.

Brass or copper sheets and bars, etc. Taunton-New Bedford Copper Company. 196,211; July 8.
Metal castings. Dodge Manufacturing Corporation. 192,482; July 8.
Metallic substance. W. M. Jones. 197,486; July 8.
Welding metal. Société des Plaques et Poudres à Souder J. Laffitte. 164,519; July 8.

CLASS 16.

Paints, etc., Dry, paste, and ready-mixed. Republic Varnish Company. 196,712; July 8.

CLASS 17.

Cigarettes. Rosedor Cigarette Co. 196,404; July 8.
Cigars. J. F. Reichard. 190,707; July 8.
Snuff and smoking tobacco. Robert Sinclair Tobacco Company. 196,353; July 8.
Tobacco, Smoking. Imperial Tobacco Co. 193,337; July 8.

CLASS 19.

Nipples and steel spokes. Tiley Pratt Co. 197,230; July 8.
Trailers, trucks, and dollies. Welded Products Manufacturing Co. 191,244; July 8.
Vehicles and parts thereof, Motor. Wire Wheel Corporation of America. 194,965; July 8.
Wheelbarrows. Sterling Wheelbarrow Co. 182,018; July 8.

CLASS 21.

Alarms, Electric theft. C. Rasmussen. 193,958; July 8.
Condensers. Electric Service Engineering Corp. 194,441; July 8.
Condensers. F. M. Packwood. 194,464; July 8.
Lamps, Portable electric. Greist Mfg. Company. 194,642; July 8.
Motors, Electric. Reinhard Electric Motor Company. 195,910; July 8.
Radio apparatus, Devices for preventing interference in. Ferbend Electric Co. 196,109; July 8.
Radio electrical appliances. Electrical Research Laboratories. 193,996; July 8.
Radio equipment. Radio Frequency Laboratories, Inc. 196,192; July 8.
Radiofrequency and audiofrequency transformers, radio coupling coils. Electric Service Engineering Corp. 194,440; July 8.
Radio outfits, devices, and accessories. Polydyne Corporation. 194,212; July 8.
Radio outfits, devices, and accessories. Polydyne Corporation. 194,214–15; July 8.
Radio receiving sets and parts thereof, head telephones, loud speakers. R. E. Thompson Manufacturing Company. 194,631; July 8.
Radio receiving sets and sending sets and parts thereof. R. L. Jacobsmeyer. 191,177; July 8.
Spark plug. Leich Electric Company. 193,841; July 8.
Switches, Electric safety. Trumbull-Vanderpoel Electric Mfg. Co. 192,285; July 8.

CLASS 22.

Kite. G. W. Ayling. 194,847; July 8.

CLASS 23.

Dust-collecting systems and apparatus for air separating and conveying systems. Clark Dust Collecting Co. 194,334; July 8.
Engines and parts thereof, Silencers for internal-combustion. International Silencer Company Limited. 189,460; July 8.
Hoes and agricultural hand implements. American Fork & Hoe Company. 179,507; July 8.
Honing tools for grinding engine cylinders and the like. Titan Machine & Mfg. Co. 196,214; July 8.
Machines and apparatus used in the manufacture of puffs, toe casings, counters, etc. D. B. Macdonald. 184,086; July 8.
Reamers, valve reamers, valve-seat reamers and cutters, etc. Hellyer Steel Parts Corporation. 195,109; July 8.
Shavings and dust-collecting systems and apparatus. Chicago Blow Pipe Company. 196,232; July 8.

CLASS 24.

Laundry nets. Linen Thread Co. 193,343; July 8.
Washing and ironing machines. Eureka Sales Company. 157,416; July 8.

CLASS 25.

Locks, Coin-operated door. R. D. Pearson. 195,458; July 8.

CLASS 26.

Chair attachments for holding ophthalmological apparatus, etc. General Optical Company. 197,022; July 8.
Glassware, Graduated chemical and laboratory. Kimble Glass Company. 196,813; July 8.
Measures, squares, angles, and drawing rulers, Linear. A. Graf von Faber-Castell. 178,832; July 8.
Picture films, Motion-. E. W. Castle. 179,515; July 8.
Picture films, Motion-. Lee Lash Films. 195,891; July 8.
Scales, Weighing. Dayton Scale Company. 197,706; July 8.
Scales, Weighing. Hanson Brothers Scale Co. 196,386; July 8.

CLASS 28.

Jewelry and precious-metal ware. Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné." 177,204; July 8.
Pearls and pearl beads. Treulich & Klass. 193,313; July 8.
Ring, Finger. B. F. Brogan. 176,249; July 8.

CLASS 29.

Brooms, mops, and brushes. Brooklyn Perfex Corp. 196,048; July 8.

CLASS 31.

Filters and water softeners. Duro Pump and Manufacturing Company. 195,680; July 8.
Refrigerating machinery. Enterprise Manufacturing Company. 195,164; July 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 32.

Bedsteads. Greenpoint Metallic Bed Co. 196,455; July 8.
Desk and book rests, School. Welfare Incorporated. 197,523; July 8.
Furniture, Household. Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné." 191,413; July 8.
Furniture, Household and other. Conant-Ball Company. 195,740; July 8.
Pillows, cribs, nursery chairs, etc. James McCutcheon & Company. 193,234; July 8.
Shade curtains, Window-. National Lock Washer Company. 189,860; July 8.

CLASS 34.

Burners. Socony Burner Corporation. 190,618; July 8.
Burners, Oil. Silent Glow Oil Burner Corporation. 196,715; July 8.
Filters for aeroform fluids. Reed Air Filter Company. 193,681; July 8.
Stoves and ranges, Gas. Sunray Stove Company. 195,291–2; July 8.

CLASS 35.

Gaskets, washers, packing, and cork. Armstrong Cork Company. 194,154; July 8.
Packing, Engine. Bell's United Asbestos Company Limited. 194,429; July 8.

CLASS 36.

Mouth harmonicas. M. Hohner, Inc. 196,116; July 8.
Phonographs. Lind & Marks Co. 174,315; July 8.

CLASS 37.

Binders, Loose-leaf. C. J. O'Connell. 193,417; July 8.
Paper, envelopes, paper napkins, etc., Writing. Myers Paper Company. 192,783; July 8.
Paper, paper napkins, towels, and tablecloths. Fort Howard Paper Company. 180,973; July 8.
Paper, tablets, and envelopes, Writing. Toledo Merchandise Company. 195,786; July 8.
Paper, Wall. Niagara Wall Paper Company. 180,189–90; July 8.
Papers. Reese & Reese. 190,467; July 8.
Pencils. American Lead Pencil Company. 195,565; July 8.
Pens and pencils. Parker Pen Co. 193,677; July 8.
Printed forms. Newsham Insurance System Co. 190,606; July 8.

CLASS 38.

Cards, Trading. T-A-D Company. 196,271; July 8.
Cartoons. Bell Syndicate, Inc. 197,314; July 8.
Cartoons. Tribune Company. 197,509–13; July 8.
Column heading. E. A. Moss. 196,179–80; July 8.
Journal, Trade. McGraw Hill Company, Inc. 197,385; July 8.
Magazine. Corte Publishing Co. 195,742; July 8.
Magazine. Earnshaw Sales Company. 196,854–5; July 8.
Magazine. Retail Ledger Publishing Company. 196,195; July 8.
Magazine. Topics, Inc. 193,196; July 8.
Magazine, Monthly. Oildom Publishing Co. 179,817; July 8.
Magazine, Periodical. Fruin-Colnon Contracting Company. 197,144; July 8.
Music, Printed. Jack Snyder Publishing Company. 194,134; July 8.
Newspaper column, Title for. Fun shop, Inc. 195,879; July 8.
Newspaper supplements. Alco-Gravure Incorporated. 195,935; July 8.
Paper published twice every month. Maryland Agricultural Society. 196,602; July 8.
Publication. F. J. Babcock. 196,565; July 8.
Publication. Fawcett Publications. 196,161; July 8.
Publication. Rural Publishing Corp. 197,298; July 8.
Publication. Textile Publishing Company. 188,454; July 8.
Publication. Thompson-Brogan Co. 197,229; July 8.

CLASS 39.

Apparel, Wearing. Manhattan Shirt Co. 193,843; July 8.
Bathing suits, Ladies'. M. Smith. 196,319; July 8.
Belts. D. M. Wirth. 195,032; July 8.
Bloomers. C. A. Susstrong. 172,618; July 8.
Boots and shoes, Boys'. Belleville Shoe Mfg. Co. 190,145; July 8.
Boots, shoes, slippers. J. Pietzuch. 177,405; July 8.
Clothing. New York Cloak & Suit House of Los Angeles. 194,368–9; July 8.
Dresses, cloaks, suits. Miss Junior Frocks. 191,235; July 8.
Garments, Knitted. Berman Bros. & Lindeman Co. 196,364; July 8.
Garments, Semimade. M. I. Halperin. 195,517; July 8.
Hats, Ladies'. J. Stein. 193,139; July 8.
Hats, Men's straw. Radio Hat Company. 170,033; July 8.
Hosiery. Bear Brand Hosiery Co. 196,499; July 8.
Hosiery. E & S Hosiery Mills. 194,052; July 8.
Hosiery. Benj. S. Freedman Co. 195,743; July 8.
Hosiery, fabric gloves, etc. C. F. Berg. 193,891; July 8.
Hosiery, Infants' and children's. Page and Jones. 186,014; July 8.
Hosiery, Ladies'. F. A. Smith. 195,545; July 8.
Knit underwear and hosiery. Rathburn & Company. 194,023; July 8.
Shirts. Walter M. Steppacher & Bro., Inc. 195,024; July 8.
Shoes. Bullock's. 194,333; July 8.
Shoes. London Shoe Company. 194,279; July 8.
Shoes, Leather. Strauss Leather Company. 194,081; July 8.
Suits and overcoats, Men's and boys'. Louis Saks Clothing Co. 178,363; July 8.
Suits for men and boys, Outer. Harry Daroff & Sons. 195,096; July 8.
Sweaters. Pontiac Knitting Mills Company. 190,977; July 8.
Underwear, Silk. James A. Hearn & Son, Inc. 195,286; July 8.
Underwear, Women's knitted. Campe Corporation. 195,094; July 8.

CLASS 42.

Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 196,308; July 8.
Cotton,silk, etc., shirtings in the piece. Turner & Walls. 196,084; July 8.
Goods, Piece. Consolidated Textile Corporation. 178,092; July 8.
Hair nets. Sitroux Importing Co. 197,563; July 8.
Nainsook. Charles L. Poor Co. 176,039; July 8.
Rugs and carpets. Hugh Nelson Columbia Carpet Mills. 195,067; July 8.
Rugs, Textile. Molloy-Skelly Carpet Company. 195,651; July 8.
Textile piece goods. Eureka Woolen Mills. 187,735; July 8.
Woolen piece goods. M. D. Levitt. 197,439; July 8.

CLASS 43.

Thread. J. E. Barbour Company. 195,938; July 8.

CLASS 44.

Dental molding material. R. L. L. Warner. 193,559; July 8.
Electric machines, High-frequency. Wappler Electric Company. 196,144; July 8.
Nostril expanders. H. R. Woodward. 196,782; July 8.
Rubber reducing garments. I. B. Kleinert Rubber Company. 197,083; July 8.

CLASS 45.

Beverage. J. L. Robinson. 193,543; July 8.
Beverage and sirups and extracts. Ideal Bottling Company. 196,958; July 8.
Beverage sold as a soft drink. B. B. Allen. 194,040; July 8.
Beverages. Geo. Gunther Jr. Brewing Co. 197,147; July 8.
Beverages and sirups. H. Townsend. 197,506; July 8.
Beverages sold as soft drinks and sirups therefor. B. B. Allen. 163,847; July 8.
Cordials used for beverage purposes. E. T. Henius. 196,246; July 8.
Flavoring extracts. Henry H. Ottens Mfg. Co. 197,041; July 8.
Flavoring extracts. Henry H. Ottens Mfg. Co. 197,217; July 8.
Mineral water. A. J. Hauck Water Company. 197,076; July 8.
Mineral water and beverages sold as soft drink and sirups for making same. C. E. Knight. 194,804; July 8.
Waters, Mineral. White Sulphur Springs, Inc. 197,462; July 8.

CLASS 46.

Alimentary paste products, cheese, and tomato sauce. L. Caravetta. 186,495; July 8.
Almond meats, glazed and blanched almonds. California Almond Packers, Inc. 190,150; July 8.
Apples, Fresh. T. A. Duthie. 197,263; July 8.
Bread. Union Baking Company. 188,167; July 8.
Candy. C. A. Asher. 192,206; July 8.
Candy. A. M. Gotro. 153,094; July 8.
Candy. Ed. Messer Confectionery Co. 192,260; July 8.
Candy. A. G. Morse Co. 151,837; July 8.
Candy bars. Chicago Truffles Co. 194,788; July 8.
Canned and dehydrated fruits, berries, and vegetables. King's Food Products Co. 185,599; July 8.
Canned asparagus. Oneida Community, Ltd. 192,544; July 8.
Canned fish. Strohmeyer & Arpe Company. 196,080; July 8.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned fruits. Hunt Brothers Packing Company. 187,465; July 8.
Canned fruits and vegetables. Sussman, Wormser & Co. 195,464; July 8.
Canned goods, tea, etc. Pacific Wholesale Grocery Co. 196,133; July 8.
Canned peas and butter. John Morrell & Co. 187,118; July 8.
Canned peas, corn, and tomatoes, jellies, and fruit preserves. Ginter Company. 192,907; July 8.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 197,149; July 8.
Canned sardines. James P. Smith & Company. 195,991; July 8.
Canned vegetables. Adam Brothers Company. 194,148; July 8.
Canned vegetables. Oconomowoc Canning Company. 197,040; July 8.
Canned vegetables. Sears and Nichols Canning Co. 193,629; July 8.
Catchup, eggs in the shell, etc. Pittsburgh Provision and Packing Company. 196,969; July 8.
Catchup, olives, sauces, and fresh apples. A. R. Plummer. 179,381; July 8.
Coffee. Heekin Company. 151,833; July 8.
Coffee. Jones Brothers Tea Company. 193,046; July 8.
Confection composed of figs and nuts. M. B. Levi. 195,897; July 8.
Corn meal, chops, and bran, alfalfa meal, etc. Cuero Mill and Feed Company. 195,653; July 8.
Dates and date butter. W. S. Myers. 188,273–4; July 8.
Eggs. J. F. Byrne. 197,703; July 8.
Feed. P. S. Casey. 194,526; July 8.
Flavoring extracts and materials suitable for food products. Polak's Frutal Works. 172,239; July 8.
Flour. I. S. Kleiner. 197,331; July 8.
Flour, Wheat. Millers Milling Co. 196,467; July 8.
Food and granulated cereal food products, Health. G. E. Linch. 192,705; July 8.
Foods, Animal. Chemical Products Company. 194,787; July 8.
Fruit and peanuts, Mixture of dried. B. Tyler. 193,867; July 8.
Fruits, dried fruits, nuts, etc., Fresh citrous. Orangethorpe Citrus Association. 196,190; July 8.
Fruits, Fresh citrous. Duarte Orchards Company. 196,160; July 8.
Jams, jellies, fruit butters, etc. George S. Murphy, Inc. 184,510; July 8.
Macaroni. New Haven Bread Co. 196,965; July 8.
Meat products, Prepared and canned. F. G. Vogt & Sons, Inc. 194,963; July 8.
Oil, Salad. D. Trapani. 166,414; July 18.
Olives. Cartagena & Mavro. 193,572; July 8.
Oranges, Sierra Vista Packing Association. 192,152; July 8.
Pastry, Fancy. C. R. Pearce Company. 192,729; July 8.
Peanut butter. Briner-Null Coffee Company. 197,060; July 8.
Rice. Seaboard Rice Milling Company. 194,819; July 8.
Sauerkraut, French beans, gherkins, etc., Salted. M. Hart. 193,041; July 8.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,817; July 8.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,820; July 8.
Walnuts. Bennett Day Importing Company. 196,425; July 8.

CLASS 50.

Rubber sheeting. I. B. Kleinert Rubber Co. 197,084; July 8.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A C Spark Plug Co. (See Champion, Albert J., assignor.)
Abbott, John, et al., administrators. (See Preston, Albert F.)
Abraham, Clinton D., deceased, Wilmington, Del.; C. H. Ross, administrator. Impervious seamed article and making the same. 1,500,097; July 8.
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Unit shingle. 1,500,568; July 8.
Accounting Devices Company. (See Lloyd, A. J., and Olsen, assignors.)
Accounting Devices Company. (See Olsen, George A., assignor.)
Adair, Thomas D., jr., Dorchester, assignor to Standard Thermometer Company, Roxbury, Mass. Odometer. 1,500,979; July 8.
Adams, Donald R., Anchorage, Alaska. Perpetual calendar. 1,500,913; July 8.
Adams, James C., McColl, S. C. Sawmill-dog handling and operating mechanism. 1,500,914; July 8.
Adams, Philip F., Los Angeles, Calif. Record holder and ejector. 1,500,539; July 8.
Aetna Life Insurance Company, The. (See Roth, E., and Elzy, assignors.)
Aitken, Andrew W. (See Greiner, C. F., and Aitken.)
Aktiebolaget Gjuterimaskiner. (See Pettersson, Fritz A., assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,500,785; July 8.
Alfisi, Raffaele, Brooklyn, N. Y. Identification device for vehicles. 1,500,980; July 8.
Allen, Walter H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making rubber tires. 1,500,786; July 8.
Allison, David S., Salt Lake City, Utah, assignor to Sullivan Machinery Company. Mining machine. 1,501,030; July 8.
Alter, Julius M., Brooklyn, N. Y. Loose-leaf album. 1,500,098; July 8.
Amalgamated Machinery Corp. (See Carlson, Oscar F., assignor.)
American Bank Note Company. (See Smith, Amos H., assignor.)
American Chain Company, Inc. (See Fageol, Rollie B., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Lady Corset Company. (See Colley, Harry A., assignor.)
American Moistening Company. (See Armstrong, Joseph, assignor.)
American Multigraph Company. (See Chisholm, Clifton, assignor.)
American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telegraph Typewriter Company. (See Cardwell, Allen D., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
Amzler, Stefan, assignor of one-fourth to W. C. Sumner, Ogden, Utah. Crude-oil burner. 1,500,175; July 8.
Anderson, Albert S., Schenectady, N. Y., assignor to General Electric Company. Turbine rotor. 1,500,787; July 8.
Anderson, Charles H. (See Torresson, A., and Anderson.)
Anderson, Frank C., Cincinnati, Ohio. Switch-rail guard. 1,500,176; July 8.
Anderson, Harley E., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,500,009; July 8.
Anderson, Harley E., assignor of one-half to W. L. Kellogg, Chicago, Ill. Brake rigging for railway cars. 1,500,217; July 8.
Anderson, Harold N., Cleveland, Ohio. Die for rolling gears. 1,500,567; July 8.
Anderson, Henry J., assignor to E-Z Manufacturing Co., Minneapolis, Minn. Piston ring. 1,500,357; July 8.
Anderson, Hilmer S., Belmont, Mass. Amusement apparatus. 1,500,788; July 8.
Anderson, Robert C., and F. F. Rike, assignors to Buckeye Iron & Brass Works, Dayton, Ohio. Exhaust whistle. 1,500,100; July 8.
Annin & Co. (See Chandler, Digby W., jr., assignor.)
Antoni, Guido and U., Florence, Italy. Aeroplane. 1,500,358; July 8.
Antoni, Ugo. (See Antoni, Guido and U.)
Antonuitis, Joseph. (See Ozerowicz, Alexander, assignor.)
Aoyagi, Eiji, Kyoto, Japan. Electrometallurgical process for manufacture of ductile bodies of high-fusing metals and alloys of same. 1,500,789; July 8.
Arcas Brass and Iron Company Inc. (See Ross, Thomas H., assignor.)
Armstrong, Joseph, Malden, assignor to American Moistening Company, Boston, Mass. Humidifying system. 1,500,481; July 8.
Arnot, Robert, Bushey, England. Dye and making same. 1,500,915; July 8.
Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
Associated Silver Company. (See Lashar, Thomas B., assignor.)
Auld, John F., Santa Monica, Calif. Frame construction for windows, doors, and the like. 1,500,359; July 8.
Ausherman, William S., Talmage, Kans. Automatic liquid pump. 1,500,177; July 8.
Ayliffe, Harry, London, assignor to Caribonum Limited, Leyton, Essex, England. Attaching labels or the like. 1,500,432; July 8.
Bacharach, Herman, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company. Gauge. 1,500,790; July 8.
Bacharach Industrial Instrument Company. (See Bacharach, Herman, assignor.)
Bachman, John S., Rome, Ga. Twister. 1,500,296; July 8.
Baer, Abram K., assignor to Strouse-Baer Company, Baltimore, Md. Adjustable garment. 1,500,981; July 8.
Baits, Stuart G. (See Fekete, S. I., and Baits.)
Baker, James B. (See Brougham, Edward, assignor.)
Baker, Joseph W. (See Tackabery, Claud M., assignor.)
Bakken, Tollef O., Bode, Iowa. Oil can. 1,500,791; July 8.
Ball, Albert, Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking machine. 1,500,597; July 8.
Ball, Joseph C., Kinsdale, Va. Method and means for replacing battery posts and threads. 1,500,663; July 8.
Ballard, Milton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,500,101; July 8.
Barker, Seth S., Bloomfield, Iowa. Coop. 1,500,792; July 8.
Barnhill, William T., Seattle, Wash. Connecting joint. 1,500,569; July 8.
Baron, Charles S., Tiffin, Ohio. Liquid container with detachable top. 1,500,218; July 8.
Barrett, William J., Bridgeport, Conn. Illuminated target. 1,500,482; July 8.
Barron, William L., Oklahoma City, Okla. Spark plug. 1,500,916; July 8.
Bart, Thomas E., Cincinnati, Ohio, assignor to The Murdoch Manufacturing and Supply Company. Bubbler head for drinking fountains. 1,500,178; July 8.
Bauman, A. E. (See Blankenbagen, Albert, assignor.)
Baush Machine Tool Company. (See Hyde, Arthur S., assignor.)
Beggs Engineering Company, Incorporated, The. (See Beggs, Thomas R., assignor.)
Beggs, Thomas R., New York, N. Y., assignor to The Beggs Engineering Company, Incorporated, Hartford, Conn. Flushing device. 1,500,664; July 8.
Bell, Robert J., assignor to Economy Barrel Corporation, Richmond, Va. Barrel construction. 1,500,917; July 8.
Benefield, William G., deceased. (See Robertson, G. W., Hogg, Gorsed, and Benefield.)
Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Glass mirror. 1,501,031; July 8.
Benjamin, Chester W. (See Rogers, J. F., Douglas, and Benjamin.)
Benner, Raymond C., Bayside, assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y. Storage-battery grid. 1,500,219; July 8.

Benner, Raymond C., Bayside, assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y. Separator and method of making the same. 1,500,220; July 8.

Benner, Raymond C., Bayside, assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y. Storage cell or battery and electrode therefor. 1,500,221; July 8.

Benner, Raymond C., Bayside, and H. F. French, Flushing, assignors, by mesne assignments, to The Prest-O-Lite Company, Inc., New York, N. Y. Storage cell or battery. 1,500,222; July 8.

Beranger, John G., Cambridge, Mass. Window lock. 1,500,540; July 8.

Berdar, Peter. (See Sonner, Carl, assignor.)

Bernache, George A., Northampton, Mass. Truck scale. 1,500,541; July 8.

Bertsch, Charles C. (See Kallenbach, W. H., and Bertsch.)

Bertsch, Ernest, Haguenau, France. Sensitizing composition for preparing blue-print paper. 1,500,433; July 8.

Best, Frank E., Seattle, Wash. Cylinder lock. 1,500,297. July 8.

Biggert, Florence C., jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Shears. 1,500,600; July 8.

Biledeau, William, Montreal, Quebec, Canada. Cheese cutter. 1,500,179; July 8.

Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer-cooling means. 1,500,793; July 8.

Birkin and Company. (See Birkin, C. W., and Sands, assignors.)

Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 65,094; July 8.

Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 65,095; July 8.

Bishop, John L., Jackson, Tenn. Garter or sleeve holder. 1,500,223; July 8.

Bjorlin, Harold E., Duluth, Minn. Bread-slicing machine. 1,500,434; July 8.

Blake, Charles, Pontiac, Ill. Rail anchor. 1,500,224; July 8.

Blaker, Ernest, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing. 1,500,700; July 8.

Blanc, Emile. (See Bouvier, M. E., and Blanc.)

Blanké, Herman B., Chicago, Ill. Time-clock dial. 1,500,701; July 8.

Blankenhagen, Albert, assignor to A. E. Bauman, Akron, Ohio. Life preserver. 1,500,665; July 8.

Blauser, Edward S., Basil, Ohio. Corn-husking machine. 1,500,542; July 8.

Bliss, E. W., Company. (See Dieter, William, assignor.)

Blodgett, Charles A. (See Hanson, H. H., Leecock, and Blodgett.)

Bodgar, Bartholomew J., Astoria, N. Y. Trousers. 1,500,570; July 8.

Boehm, Wilhelm, Berlin, Germany. Pocket lamp for high light power. 1,500,180; July 8.

Bolton, Bertha, et al. (See Bolton, P. W., and Minnear, assignors.)

Bolton, Philip W., and W. N. Minnear, assignors of one-fifth to G. D. Minnear, one-fifth to N. G. Ryman, and one-fifth to B. Bolton, Coffeyville, Kans. Outlet valve. 1,500,918; July 8.

Bonaparte, Swan G., St. Paul, Minn. Drier. 1,500,862; July 8.

Bornschein, George D., San Francisco, Calif. Wrecking truck and towing apparatus. 1,500,225; July 8.

Bosch, Robert, Aktiengesellschaft. (See Ingelfinger, Edmund, assignor.)

Bosch, Robert, Aktiengesellschaft. (See Rall, M., and Maier, assignors.)

Bostley, Frank, South Williamsport, Pa. Trigger mechanism for guns. 1,500,666; July 8.

Boston Insulated Wire and Cable Company. (See Burley, Harry B., assignor.)

Bourn, Robert T., Templeton, Mass. Post-office furniture. 1,500,226; July 8.

Bouvier, Maurice E., and E. Blanc, Lyon, assignors to Société Chimique des Usines du Rhone, Paris, France. Catalyst. 1,500,794; July 8.

Bowles, Leonard G., assignor of one-half to B. S. Miller, Columbus, Ohio. Lock. 1,500,435; July 8.

Boyle, Lewis H., Beloit, Ohio. Harness. 1,500,360; July 8.

Bradburn, Curtis E., assignor of one-half to C. Rewerts and one-half to J. Bradburn, Garden City, Kans. Hair curler. 1,500,919; July 8.

Bradburn, Julia, et al. (See Bradburn, Curtis E., assignor.)

Bradley, William F., and J. W. Hulson, assignors to Hulson Grate Company, Keokuk, Iowa. Grate section. 1,500,920; July 8.

Bramhorst, John H., Milwaukee, Wis. Clamp. 1,500,795; July 8.

Bramson, Mogens L., J. Hanson, and T. B. Caldwell, Stafford, England. Flexible pipe line. 1,500,921; July 8.

Bradshaw, Charles E., Waterbury, Conn. Key holder. 1,500,483; July 8.

Bradenburg, Francis C., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Method and apparatus for simultaneously forming and heat treating shovels. 1,500,571; July 8.

Brann, Harriet L., Des Moines, Iowa. Hair curler. 1,500,922; July 8.

Brantman, Maurice W., Brooklyn, assignor to Republic Knitting Mills, Inc., New York, N. Y. Knitted jacket. Des. 65,096; July 8.

Braun, Philip N., assignor to The Prosperity Co. Inc., Syracuse, N. Y. Shirt-ironing machine. 1,500,543; July 8.

Brawner, Harry O., Baltimore, Md. Making short-neck bottles. 1,500,484; July 8.

Breneman, Joseph T., El Cerrito, Calif. Speculum and dilator. 1,500,227; July 8.

Breune, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,500,102; July 8.

Brewster, Guy O., New York, N. Y. Jar or similar article. Des. 65,098; July 8.

Brewster, Harry L., Somersworth, N. H. Traffic signal for motor vehicles. 1,500,601; July 8.

Britton, William M., Alma, Mich. Axle. 1,500,436; July 8.

Broadhead, Roland W., Eliand, England. Bearing for the guidance and lateral support of gas holders. 1,500,796; July 8.

Brockley, Jacob, Newport News, Va. Article carrier and display device. 1,500,544; July 8.

Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Pump lubrication mechanism. 1,500,361; July 8.

Brooks, Charles H. (See Elbelt, W. H., and Brooks.)

Brougham, Edward, Pennant, Saskatchewan, assignor of one-half to J. P. Baker, Henribourg, Saskatchewan, Canada. Yoke-ring lock and rein guard. 1,500,228; July 8.

Brougham, Edward, Pennant, Saskatchewan, assignor of one-half to J. P. Baker, Henribourg, Saskatchewan, Canada. Yoke-ring lock and rein guard. 1,500,229; July 8.

Brown, Leonard. (See Hibler, E. A., and Brown.)

Brown, William, New York, N. Y. Helicopter. 1,500,572; July 8.

Brügger, Xaver, Horgen, Switzerland. Winding frame. 1,500,602; July 8.

Brühl, Paul, assignor to Maschinenfabrik Rheinland A. G., Dusseldorf, Germany. Method and device for grinding balls or rollers. 1,500,485; July 8.

Bryant, Harriett C., New Milford, Conn. Wall paper. Des. 65,097; July 8.

Buchanan, Hugh. (See Moir, D., and Buchanan.)

Buchsbaum, Samuel, Chicago, Ill. Belt buckle. 1,500,362; July 8.

Buchsbaum, Samuel, Chicago, Ill. Three-piece buckle. 1,500,363; July 8.

Buckeye Iron & Brass Works. (See Anderson, R. C., and Rike, assignors.)

Buckley, Joseph L., Trenton, N. J., assignor, by mesne assignments, to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying apparatus. 1,500,923; July 8.

Budde & Westermann. (See Burno, Joseph N., assignor.)

Budlington, Lew E., Crawfordsville, Ind. Bread making. 1,500,545; July 8.

Burdon, Matthew M. (See Burdon, W. M. and M. M.)

Burdon, William M. and M. M., assignors to Burdons Limited, Bellsbill, Lanarkshire, Scotland. Fluid-fuel burner. 1,500,103; July 8.

Burdons Limited. (See Burdon, W. M. and M. M., assignors.)

Burger, Clarence W., Washington, D. C. Rotary circuit-controlling device. 1,500,603; July 8.

Burley, Harry B., Brookline, Mass., assignor to Boston Insulated Wire and Cable Company. Manufacture of electric wires. 1,500,546; July 8.

Burno, Joseph N., Chicago, Ill., assignor to Budde & Westermann. Coin-controlled apparatus. 1,500,230; July 8.

Burpee, Frank W., Chicago, Ill. Spring pin. 1,500,667; July 8.

Burton, Charles S., Oak Park, Ill. Soil pulverizer and seeder. 1,500,437; July 8.

Busch-Sulzer Bros.-Diesel Engine Company. (See Zbinden, Eugen, assignor.)

Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose-wrapping machine. 1,500,797; July 8.

Caldwell, Thomas B. (See Bramson, M. L., Hanson, and Caldwell.)

California Cotton Mills Company. (See Mitchell, Allister S., assignor.)

Calleson, Amos, Brooklyn, N. Y. Bottle filling and sealing machine. 1,500,364; July 8.

Campodonico, Alcibiades, Lima, Peru. Dental instrument and mirror. 1,500,798; July 8.

Candlish, William C., New Rochelle, assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Pedestal for merchandise-display fixtures. Des. 65,099; July 8.

Carbo-Oxygen Company. (See Rose, James R., assignor.)

Cardwell, Allen D., assignor to American Telegraph Typewriter Company, Brooklyn, N. Y. Telegraph transistor and circuits therefor. 1,500,486; July 8.

Cardwell, Thomas, Sedalia, Mo. Lubricator. 1,500,799; July 8.

Caribonum Limited. (See Ayliffe, Harry, assignor.)

Carichoff, Eugene R., and B. W. Jones, Schenectady, N. Y., assignors to General Electric Company. Electromagnetic switch. 1,500,800; July 8.

Carlberg, Walfred F., Sisseton, S. Dak. Excavating shovel or scraper. 1,500,104; July 8.

Carlin, Arvid F., Mamaroneck, N. Y. Combined shelf and bracket. 1,500,487; July 8.

Carlson, Oscar F., assignor to Amalgamated Machinery Corp., Chicago, Ill. Motor vehicle. 1,500,801; July 8.

Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Transportable throttle device. 1,500,365; July 8.

Carlton Machine Tool Company, The. (See Carlton, Jack C., assignor.)

Carnation Milk Products Company. (See Ryan, Roger W., assignor.)

Carolyn Laundry. (See Lane, Edwin, assignor.)

Carpenter, Ose F., Brightwood, Va. Gang boring machine. 1,500,231; July 8.

Carr, Lena L. (See Wasia, M. J., and Carr.)

Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,500,366; July 8.

Carter, William C., St. Louis, Mo. Diaphragm-pumping device. 1,500,105; July 8.

Case, J. I., Threshing Machine Company. (See Caughey, Robert C., assignor.)

Cassell, Louis R., Decatur, Ill. Automatic adjustable automobile camping top. 1,500,573; July 8.

Cassella, Leopold, & Co. Gesellschaft mit beschränkter Haftung. (See Münz, Ferdinand, assignor.)

Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacture of cord fabric. 1,500,232; July 8.

Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Weighing moving material. 1,500,233; July 8.

Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacture of weftless cord fabric. 1,500,234; July 8.

Caughey, Robert C., Dixon, Ill., assignor, by mesne assignments, to J. I. Case Threshing Machine Company, Racine, Wis. Implement frame. 1,500,367; July 8.

Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,500,106; July 8.

Cender, John, Foosland, Ill. Jack. 1,500,604; July 8.

Chadwick, William E., and J. A. Creighton, assignors to G. E. Westberg, Los Angeles, Calif. Theft-warning signal or wheel lock for vehicles. 1,500,924; July 8.

Chambers, Joseph A., New Orleans, La. System of and apparatus for retailing liquids. 1,500,547; July 8.

Champion, Albert J., assignor to A C Spark Plug Company, Flint, Mich. Double-insulated spark plug. 1,501,021; July 8.

Chandler, Digby W., jr., assignor to Annin & Co., New York, N. Y. Convention banner. Des. 65,100; July 8.

Chandler, Jermain, Toledo, Ohio. Dental appliance. 1,500,107; July 8.

Chantilis, Charles A., Bellevue, Ohio. Cigarette holder. 1,500,802; July 8.

Chapman, Penrose E., St. Louis, Mo. Armature and coil winding machine. 1,500,181; July 8.

Charnock, George H., Buffalo, N. Y. Silencer for gas-engine valve mechanism. 1,500,605; July 8.

Chase, E. A., Granite Company. (See Sanborn, R. G., and Haslam, assignors.)

Chase, Harold M., and G. W. Robertson, Danville, assignors to Riverside and Dan River Cotton Mills, Inc., Pittsylvania County, Va. Long-chain-warp-treating apparatus. 1,500,298; July 8.

Chase, Harold M., and G. W. Robertson, Danville, assignors to Riverside and Dan River Cotton Mills, Inc., Pittsylvania County, Va. Warp-dyeing apparatus. 1,500,299; July 8.

Cherry, Thomas E., Boston, Mass. Adding machine. 1,500,606; July 8.

Chicago Pneumatic Tool Company. (See Sabourin, Guy O., assignor.)

Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Address-plate holder. 1,500,438; July 8.

Chupa, Alexander, Livingston Manor, N. Y. Ventilator. 1,500,368; July 8.

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,500,668; July 8.

Cincinnati Car Company, The. (See Ellis, Charles J., assignor.)

Clark, Sherman D., assignor of one-fourth to J. F. McHugh and 10 per cent to A. De Muth and E. P. Sherman, Seattle, Wash. Buckle. 1,500,439; July 8.

Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Airplane-wing spar. 1,500,235; July 8.

Clark, Walter J. (See Romine, W. M., and Clark.)

Clark, William R., San Diego, Calif. Attachable valve. 1,500,300; July 8.

Clayton, Grace T., Chevy Chase, Md. Shopping or marketing truck. 1,500,108; July 8.

Clement, William H., jr., Palacios, Tex. Trouble-light fixture. 1,500,548; July 8.

Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,500,236; July 8.

Coffey, Alfred L., Seattle, Wash. Light reflector. 1,500,237; July 8.

Colbyson, Hardes M., Minneapolis, and F. J. Mumm, St. Paul, Minn. Dumping vehicle. 1,500,803; July 8.

Coleman, George D., Atlanta, Ga. Moistener. 1,500,925; July 8.

Colley, Harry A., assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,500,109; July 8.

Collingwood, Ronald G. (See Holland, E., and Collingwood.)

Collins, William M., Huntington, Ind. Automobile direction signal. 1,500,440; July 8.

Conant, David J., San Jose, Calif. Pump. 1,500,607; July 8.

Concrete Steel Company. (See Ludwik, Richard G., assignor.)

Congable, Henry F., assignor to Robinson Hardware Company, Oakland, Calif. Garden broom. 1,500,441; July 8.

Conover, Kenneth W., Belmar, assignor to E. H. Thomson, Bradley Beach, N. J. Snowplow. 1,500,671; July 8.

Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)

Cook, George, Buffalo, N. Y. Steam boiler. 1,500,182; July 8.

Cooney, Nicholas J., Chicago, Ill. Lubricator. 1,500,369; July 8.

Cooper, Albert N., Lodi, Calif. Fly swatter. 1,500,442; July 8.

Cornelius, William R., Nashville, Tenn. Reversible cuff. 1,500,370; July 8.

Corning Glass Works. (See Gage, Henry P., assignor.)

Corning Glass Works. (See Giometti, Lazrus C. and C. J., assignors.)

Cosgrove, Thomas, jr., and N. A. Sponseller, Canton, Ohio. Tire carrier and rim remover. 1,500,371; July 8.

Cossitt, Malcolm L., San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Photographic machine. 1,500,372; July 8.

Coullery, Henri, La Chaux-de-Fonds, Switzerland. Portable treadle lathe. 1,500,672; July 8.

Courtaulds Limited. (See Jones, Richard O., assignor.)

Couture, Adelard, Warren, R. I. Oil burner. 1,500,373; July 8.

Cowie, Frederick W., Montreal, Quebec, Canada. Car-unloading device. 1,500,673; July 8.

Cowles, C., and Company. (See Gates, Louis W., assignor.)

Cox, Henry P., and H. D. Daniels, Portland, Oreg. Guyline clamp. 1,500,374; July 8.

Crane, Frank R., jr., assignor to Ryerson Crane, Inc., Chicago, Ill. Oil-burning system. 1,500,574; July 8.

Crawford, Alexander W., Carlinville, Ill. Trousers attachment. 1,500,804; July 8.

Creighton, John A. (See Chadwick, W. E., and Creighton.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crouch, Arthur P. (See Hubbard, John, assignor.)

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling plate for a lighting fixture. Des. 65,101; July 8.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling plate for a lighting fixture. Des. 65,102; July 8.

Cruver Manufacturing Company. (See Madle, Frank, assignor.)

Cudmore, Clifford S., Sault Ste. Marie, Ontario, Canada. Tightener for clotheslines. 1,500,549; July 8.

Culp, John W., Johnstown, Pa. Game device. 1,500,110; July 8.

Cummings, Benjamin F., Reeds Spring, Mo. Container. 1,500,301; July 8.

Cummins, Robert R., and R. W. Kremer, assignors to The Kremer-Cummins Machine Company, Cleveland, Ohio. Belt-shifting mechanism. 1,500,238; July 8.

Cunningham, Herman R., Glendale, Calif. Valve-control mechanism for containers. 1,500,669; July 8.

Curley, Robert S., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Vertical cotton-opening machine. 1,500,111; July 8.

Curry, Charles M., Tulsa, Okla. Anvil. 1,500,926; July 8.

Curtin, David F., Chicago, Ill. Pocket pencil holder. 1,500,575; July 8.

Cusack, Thos., Company. (See Cusack, Thomas, assignor.)

Cusack, Thomas, assignor to Thos. Cusack Company, Chicago, Ill. Sign. Des. 65,103; July 8.

Cushman, Ernest C., Westerly, R. I. Spindle stop-motion attachment for spinning machines. 1,500,982; July 8.

Cusi, Joaquin, Buenos Aires, Argentina. Pocket protector for checks and the like. 1,500,576; July 8.

Dade, Thomas G., St. Marys, Ohio. Oiler. 1,500,112; July 8.

Dade, Thomas G., St. Marys, Ohio. Wheel. 1,500,113; July 8.

Dahlberg, C. F. (See Shaw, John K., assignor.)

Dailey, Frank L., assignor to Johnson & Johnson, New Brunswick, N. J. Saliva ejector. 1,501,010; July 8.
Dall, David D., Toronto, Ontario, Canada. Golf-practice device. 1,500,183; July 8.
Daniels, Henry D. (See Cox, H. P., and Daniels.)
Dann, Ernest G., Chicago, Ill. Spring bumper for motor vehicles. 1,500,375; July 8.
Darling, Philip G., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Safety valve. 1,500,374; July 8.
Davies, Frederick A., and C. L. Rogers, Wilkinsburg, Pa. Ear basin. 1,500,927; July 8.
Davis, Arthur P., Far Rockaway, N. Y. Synchronous transmission system for gyroscopes, etc. 1,500,239; July 8.
Davis, John H., Covington, Ky., assignor to R. P. Hargitt, Cincinnati, Ohio. Leather shoehorn. 1,500,928; July 8.
Dayton Engineering Laboratories, The. (See Hunt, John H., assignor.)
Dayton-Wright Company. (See Clark, Virginius E., assignor.)
Deatrick, Edward, Lancaster, Pa. Releasable connecter. 1,500,488; July 8.
Dedi, Arthur L., Oak Park, Ill. Lamp-arm mounting. Des. 65,104; July 8.
Dedi, Arthur L., Oak Park, Ill. Lamp-arm mounting. Des. 65,105; July 8.
Dedi, Arthur L., Oak Park, Ill. Lamp-arm mounting. Des. 65,106; July 8.
Dedi, Arthur L., Oak Park, Ill. Lamp-arm mounting. Des. 65,107; July 8.
Deen, James H., New York, N. Y. Game apparatus. 1,500,983; July 8.
De Groote, Melvin, Pittsburgh, Pa. Making dilute permanent turbid emulsions. 1,500,670; July 8.
Delaney, Michael G., assignor to Delway Heaters, Inc., New York, N. Y. Apparatus for burning liquid fuel. 1,500,376; July 8.
De Laval Separator Company, The. (See Petty, Earl, assignor.)
Delway Heaters, Inc. (See Delaney, Michael G., assignor.)
Delco-Light Company. (See Replogle, James B., assignor.)
De Luxe Brush Company, The. (See Shalkop, Isaac C., assignor.)
De Muth, Anton, et al. (See Clark, Sherman D., assignor.)
Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Wrapping machine. 1,500,984; July 8.
Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)
Det Tekniske Forsøgsaktieselskab. (See Goldschmidt, Rudolf, assignor.)
Deutschmann, Richard, and W. Kotzenberg, Hamburg, Germany. Producing antitoxins. 1,500,985; July 8.
De Ville, Walter, East Liverpool, Ohio, assignor to Palm Fechteler & Co., New York, N. Y. Plate or similar article. Des. 65,108; July 8.
Dewey, Haywood G. (See Jones, J. G., and Dewey.)
D'Hondt, Louis, Dedham, Mass. Eraser. 1,500,550; July 8.
Diamond, Henry, Brooklyn, assignor, by mesne assignments, to Venus Hat Co. Inc., New York, N. Y. Hat-brim construction. 1,500,577; July 8.
Dieperink-Langereis, Willem, Warren, Pa. Artificial Christmas tree. Des. 65,109; July 8.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Depth mechanism for automobile torpedoes. 1,500,114; July 8.
Dieterich, William, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 65,110; July 8.
Digney, Thomas, Bridgeport, Conn. Shade roller. 1,500,608; July 8.
Dixon, H. L., Company. (See Dixon, Henry L., assignor.)
Dixon, Henry L., Dormont, Pa., assignor to H. L. Dixon Company, Carnegie, Pa. Annealing leer. 1,500,609; July 8.
Doane, Frank I. (See Rosener, L. S., and Doane.)
Dodds, Rowan T. F., Stratford, Ontario, Canada. Explosion-preventing device. 1,500,610; July 8.
Dodds, Rowan T. F., Welland, Ontario, Canada. Roller mill. 1,500,115; July 8.
Dodson, David W., Wichita, Kans. Wall construction. 1,500,377; July 8.
Doering, Frank F. W., Hibbing, Minn. Vapor and air intensifier and carburetor attachment. 1,500,443; July 8.
Dorey, George B., Montreal, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Draft attachment for railway cars. 1,500,578; July 8.
Dornier, Claudius, Friedrichshafen, Germany. Flying-machine construction. 1,500,444; July 8.
Douglas, Paul H. (See Rogers, J. F., Douglas, and Benjamin.)
Dover, George W., Cranston, assignor of one-half to J. Montgomery, Woonsocket, R. I. Rain protector for vehicles. 1,500,302; July 8.
Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,500,116; July 8.
Downs, Joseph H., Fort Wayne, Ind. Signal-control apparatus. 1,500,863; July 8.
Drewsen, Viggo, Brooklyn, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Bleaching fibrous material. 1,500,378; July 8.
Drucker, Aaron P. R., Colorado Springs, Colo. Means for producing perpetual inventories. 1,500,551; July 8.
Drying Systems, Inc. (See Harrison, Burt S., assignor.)
Duffie, John J., Berkeley, Calif. Vault protection system. 1,500,805; July 8.
Dvorak, Wenzel J., Sunset Heights, Tex. Concrete building construction. 1,500,445; July 8.
Dyer, Newell V., Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,500,117; July 8.
E-Z Manufacturing Co. (See Anderson, Henry J., assignor.)
Eager, William G., Valdosta, Ga. Tachometer drive. 1,500,579; July 8.
Eastern Manufacturing Company. (See Hanson, H. H., Leecock, and Blodgett, assignors.)
Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See Hutchings, Charles E., assignor.)
Eastman Kodak Company. (See Jones, J. G., and Dewey, assignors.)
Eastman Kodak Company. (See Speidel, Charles F., assignor.)
Economy Barrel Corporation. (See Bell, Robert J., assignor.)
Edison Electric Appliance Company. (See Rankin, W. A., and Hardin, assignors.)
Elduck, Peter, San Francisco, Calif. Oil injector. 1,500,702; July 8.
Elbelt, William H., and C. H. Brooks, Hurley, N. Mex. Control system for air lifts. 1,500,703; July 8.
Eldon, Albert J., Montclair, N. J. Ball. Des. 65,111; July 8.
Elevator Locks Co. (See McKinney, Samuel L., assignor.)
Elias, Joan M., Banjoemas, Java. Method and machine for digging irrigation and planting furrows. 1,500,864; July 8.
Ellis, Carleton, Montclair, N. J. Making resinous material from paraldehyde. 1,500,303; July 8.
Ellis, Charles J., assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,500,118; July 8.
Ellis, Frank L., Pittsburgh, and J. H. Sennett, Woodlawn, assignors to Jones & Laughlin Steel Company, Pittsburgh, Pa. Pipe mill. 1,500,304; July 8.
Ellsdorf, Robert, Chicago, Ill. Brake for aircraft. 1,500,184; July 8.
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Elzy, Edward P. (See Roth, E., and Elzy.)
Enax, Otto, and R. D. Zilk, Denver, Colo. Automobile traffic signal. 1,500,489; July 8.
Englund, Anders J., Spokane, Wash. Overhead railway. 1,500,379; July 8.
Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)
Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,500,806; July 8.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Multiplex transmission system. 1,500,552; July 8.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Harmonic suppressor. 1,500,553; July 8.
Evans Case Company. (See Haslam, Samuel, assignor.)
Evers, William H., Lakewood, assignor of one-third to W. E. Pease and one-third to N. H. Suloff, Cleveland, Ohio. Wave-resisting structure. 1,500,119; July 8.
Evers, William H., Lakewood, assignor of one-third to W. E. Pease and one-third to N. H. Suloff, Cleveland, Ohio. Wave-resisting structure. 1,500,120; July 8.
Ewen, Walter L., Aurora, Ill. Carrier for ice-cream cones and the like. 1,500,611; July 8.
Fageol, Rollie B., Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Bumper mounting. 1,500,380; July 8.
Fairchild, Lawrence G., Glenmary, Tenn. Ironing board. 1,500,554; July 8.
Fairfield Battery Company. (See Warncke, Henry E., assignor.)
Falson, Sherwood B., Cincinnati, Ohio. Roof-flashing. 1,500,675; July 8.
Fanning, Daisy. (See Howard, John R., assignor.)
Farmer, George W. (See Tucker, Stephen C., assignor.)
Fasold, Daniel, Keswick, Iowa. Hook. 1,500,446; July 8.
Faultless Caster Company. (See Noelting, William H., assignor.)
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fekete, Stephen L., and S. G. Balts, assignors to Hudson Motor Car Company, Detroit, Mich. Pedal for automobiles. 1,500,305; July 8.
Fererro, Matteo, Raton, N. Mex. Magazine feeding device. 1,500,580; July 8.
Filson, Charles L., Cleveland, Ohio. Fuel-feeding mechanism for furnaces. 1,500,581; July 8.
Fish, William J., Rouseville, Pa. Injector. 1,500,986; July 8.

Fisk Rubber Company, The. (See Castricum, Martin, assignor.)
Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
Fisk Rubber Company. (See Midgley, Thomas, assignor.)
Fisk Rubber Company, The. (See Scherner, John, assignor.)
Flanigan, David A., Virgin, Utah. Helicopter. 1,500,807; July 8.
Fleming, L. Florence, executrix. (See Fleming, Samuel B.)
Fleming, Samuel B., deceased; L. F. Fleming, executrix, assignor, by mesne assignments, to Gardner Reducing Machine Company, Chicago, Ill. Mechanical massaging device. 1,500,555; July 8.
Fontaine, Daniel J. G., Paris, France. Metal falsework for concrete construction. 1,500,121; July 8.
Forward, Walter L., Oakland, and J. B. Keating, Piedmont, Calif. Deep-well-pump column coupling. 1,500,306; July 8.
Foss, Joseph E., Florence, S. C. Valve tappet. 1,500,865; July 8.
Foss, Olaf H., Maddock, N. Dak. Skin marking. 1,500,987; July 8.
Foster, Theodore W., & Bro. Co. (See Pond, William H., assignor.)
Fowler, Alfred B., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Grinding machine. 1,500,122; July 8.
Frank, Emil R., Sioux City, Iowa. Pipe wrench. 1,500,676; July 8.
Frankem, Isaac L., Indianapolis, Ind. Stove top. 1,500,866; July 8.
Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
French, Harry F. (See Benner, R. C., and French.)
Fried. Krupp Aktiengesellschaft. (See Klingelhöffer, Reinhard, assignor.)
Frink, Fred J. (See Frink, Robert L. and F. J.)
Frink, Robert L. and F. J., Lancaster, Ohio. Method of and apparatus for drawing sheet glass. 1,500,381; July 8.
Fuhrmann, John, Buffalo, N. Y. Building block. 1,500,808; July 8.
Funk, Richard W., Bellefonte, Pa. Press. 1,500,582; July 8.
Gage, Henry P., assignor to Corning Glass Works, Corning, N. Y. Means for increasing the illuminating power for corrugated lenses. 1,500,185; July 8.
Gannon, James E., and M. W. Ward, Erie, Pa. Temperature-controlling system. 1,500,382; July 8.
Gardner Reducing Machine Company. (See Fleming, Samuel B., assignor.)
Garsed, Edward T. (See Robertson, G. W., Hogg, Garsed, and Benefield.)
Gates, John W., Montreal, Quebec, Canada. Furnace arch. 1,500,123; July 8.
Gates, Louis W., assignor to C. Cowles and Company, New Haven, Conn. Spindle-locking device for vehicle doors. 1,500,490; July 8.
Geib, William, assignor to International Silver Company, Meriden, Conn. Vase or similar article. Des. 65,112; July 8.
Geib, William, assignor to International Silver Company, Meriden, Conn. Bowl or similar article. Des. 65,113; July 8.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Anderson, Albert S., assignor.)
General Electric Company. (See Benford, Frank A., assignor.)
General Electric Company. (See Carichoff, E. R., and Jones, assignor.)
General Electric Company. (See Guay, Emile J., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Hewlett, Edward M., assignor.)
General Electric Company. (See Langley, Ralph H., assignor.)
General Electric Company. (See Lippincott, Donald K., assignor.)
General Electric Company. (See Macmillan, Campbell, assignor.)
General Electric Company. (See Moody, Walter S., assignor.)
General Electric Company. (See Sargent, Howard R., assignor.)
General Electric Company. (See Scott, Carl F., assignor.)
General Electric Company. (See Yo, Seigo, assignor.)
General Motors Corporation. (See Gibford, Charles, assignor.)
General Motors Corporation. (See Goodspeed, Elvin S., assignor.)
General Motors Corporation. (See Mason, Arthur C., assignor.)
Georgi & Co. (See Opel, Walter, assignor.)
Gibbs, James D., Louisville, Ky. Feeding mechanism for oil drilling. 1,500,186; July 8.
Gibford, Charles, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Valve mechanism. 1,501,022; July 8.
Gilkey, Virginia K., et al., executors. (See Gilkey, William S.)
Gilkey, W. S., Printing Company, The. (See Gilkey, William S., assignor.)
Gilkey, William S., deceased, by V. K. Gilkey, Cleveland Heights, and The Guardian Savings & Trust Company, executors, assignors to The W. S. Gilkey Printing Company, Cleveland, Ohio. Loose-leaf holder. 1,500,612; July 8.
Giometti, Cherubino J. (See Giometti, Lazrus C. and C. J.)
Giometti, Lazrus C. and C. J., assignors to Corning Glass Works, Corning, N. Y. Plate or similar article. Des. 65,114; July 8.
Giometti, Lazrus C. and C. J., assignors to Corning Glass Works, Corning, N. Y. Dish or similar article. Des. 65,115; July 8.
Giufri, Antony, Hartford, Conn. Foot-propelled vehicle. 1,500,809; July 8.
Glanzer, Ludwig, Winkler, Kans. Pneumatic sole. 1,500,583; July 8.
Glasby, Jonathan P., jr., East Orange, N. J. Aircraft-wing construction. 1,500,810; July 8.
Glass, P. R., Company. (See Willis, Sherman, assignor.)
Glidden, Alfred A., assignor to Hood Rubber Company, Watertown, Mass. Sectional cushion tire. 1,500,307; July 8.
Globe Ticket Company. (See McFall, William H., assignor.)
Globe Wernicke Co. (See Ringler, William A., assignor.)
Globe Wernicke Company, The. (See Smiley, Samuel, jr., assignor.)
Glover, Edward T., assignor of one-half to R. E. Glover, Portsmouth, Va. Means for examining X-ray plates and the like. 1,500,867; July 8.
Glover, Robert E. (See Glover, Edward T., assignor.)
Glueck, Charles, Gainesmoore, assignor of one-half to R. E. Vineyard, Wharton, Tex. Plow. 1,500,187; July 8.
Godley, Edwin A., and L. J. Grubman, New York, N. Y. Means for measuring lumber. 1,500,447; July 8.
Goldberg, Max, Detroit, Mich. Gripping device for canning jars. 1,500,308; July 8.
Goldschmidt, Rudolf, Berlin, Germany, assignor to Det Tekniske Forsøgsaktieselskab, Charlottenlund, Denmark. Mechanism for converting rotary into reciprocatory motion. 1,500,988; July 8.
Goldston, Wiley L., Quebeck, Tenn. Fence-wire clamp for fence stretchers. 1,500,309; July 8.
Goodrich, B. F., Company, The. (See Allen, Walter H., assignor.)
Goodrich, B. F., Company, The. (See Blaker, Ernest, assignor.)
Goodrich, B. F., Company, The. (See Cadden, Charles C., assignor.)
Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
Goodridge Battery Co. (See Goodridge, Victor C., assignor.)
Goodridge, Victor C., Chicago, Ill., assignor to Goodridge Battery Co. Storage battery. 1,500,448; July 8.
Goodspeed, Elvin S., assignor to General Motors Corporation, Detroit, Mich. Process and apparatus for forming metal objects. 1,501,023; July 8.
Goodwin, William M., Central Square, N. Y. Valve-operating means for internal-combustion engines. 1,500,556; July 8.
Gorman, Henry, Manchester, N. H. Bathtub. 1,500,557; July 8.
Goswick, Samuel D., Mineral Wells, Tex. Robber exterminator. 1,500,188; July 8.
Gourie, William J., Philadelphia, Pa. Knitting device. 1,500,383; July 8.
Grader, George L., Brooklyn, N. Y. Gas valve. 1,500,868; July 8.
Graf, Frederick W., Houston, Tex. Piston-ring compressor. 1,500,189; July 8.
Gramlich, Adolph, New York, N. Y. Teapot. Des. 65,116; July 8.
Green, Teddy A. (See Thompson, B. E., and Green.)
Greiner, Carl F., and A. W. Aitken, assignors to The Springfield Motor Sweeper Company, Springfield, Ohio. Street sweeper. 1,500,558; July 8.
Griffith, Raymond E., Philadelphia, Pa. Furnace-roof construction. 1,500,240; July 8.
Griffith, Victor, San Francisco, Calif. Combination lock and emergency brake for internal-combustion engines. 1,500,449; July 8.
Grings, Casper H., assignor to Waterloo Saddlery Company, Waterloo, Iowa. Horse-collar pad. 1,500,242; July 8.
Gronell, George, New York, N. Y. Padlock. 1,500,491; July 8.
Gruber, Clara M. (See Kirn, Arthur J., assignor.)
Grubman, Leo J. (See Godley, E. A., and Grubman.)
Guardian Savings & Trust Company, The, et al., executors. (See Gilkey, William S.)
Guay, Emile J., Swampscott, Mass., assignor to General Electric Company. Noiseless gear and forming the same. 1,501,026; July 8.
Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Blank for gears and making the same. 1,501,027; July 8.

Guay, Emile J., Swampscott, Mass., assignor to General Electric Company. Nonmetallic gear and forming the same. 1,501,028; July 8.
Guggenheim, Ezekiel, Charlotte, N. C. Meat tenderer. 1,500,811; July 8.
Gulf Refining Company. (See McAfee, Almer M., assignor.)
Gum, Francis M., Stockton, Calif. Knife sharpener. 1,500,241; July 8.
Gwozdz, Bronislaw, Warsaw, Poland. Take-up sprocket for motion-picture machines. 1,500,450; July 8.
Gwynne, Alban L., and R. A. Sturgeon, Portsmouth, England. Submarine mine and sinker. 1,500,812; July 8.
Hacheney, Frank C., John Day, Oreg. Wrench. 1,500,310; July 8.
Hacheney, Frank C., John Day, Oreg. Wrench. 1,500,311; July 8.
Hacheney, Frank C., John Day, Oreg. Wrench. 1,500,312; July 8.
Hacheney, Frank C., John Day, Oreg. Wrench. 1,500,313; July 8.
Hacheney, Frank C., John Day, Oreg. Wrench. 1,500,314; July 8.
Hacker, William E., Los Angeles, Calif. Composite pavement and producing same. 1,500,451; July 8.
Hadley, Charles P., Maywood, Ill. Shoe-polishing bench. 1,500,989; July 8.
Hadley, J. H. (See Horton, Fred W., assignor.)
Hagerman, Ralph J., Cedar Rapids, Iowa. Nozzle for paint spraying. 1,500,384; July 8.
Haggerty, Joseph F., Batavia, N. Y., assignor to Universal Gypsum Company, Chicago, Ill. Plaster wall board. 1,500,452; July 8.
Hale, Harry C., Baltimore, Md., assignor to W. E. Hooper and Sons Company. Filter-press cloth. 1,500,124; July 8.
Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Protective device. 1,501,017; July 8.
Hall, Nelson C., Olin, Iowa. Tool. 1,500,315; July 8.
Hall, Wesley F., Matawan, N. J., assignor to A. P. Munning & Co. of New York, New York, N. Y. Cutting material for buffing wheels. 1,500,990; July 8.
Hall, William E., Monroe, Mich., assignor to Fred M. Longnecker, Delta, Ohio. Tray manufacture. 1,500,125; July 8.
Halliburton, Erle P., Duncan, Okla. Method of and apparatus for mixing materials. 1,500,385; July 8.
Halloway, Russell L., Nevada, Iowa. Fish-stringing device. 1,500,613; July 8.
Hamilton Manufacturing Company, The. (See Soddard, Thomas W., assignor.)
Hamlin, William E., Des Moines, Iowa. Animal cover. 1,500,316; July 8.
Hammond, John H., jr., Gloucester, Mass. Submarine sound transmitter. 1,500,243; July 8.
Hammond, Laurence, Spangler, Pa. Dynamite box. 1,500,559; July 8.
Hannifin, Arthur V. (See Vosburg, A. E., and Whitney, assignors.)
Hanson, Hugo H., J. T. Leecock, Bangor, and C. A. Blodgett, Brewer, Me., assignors to Eastern Manufacturing Company, Boston, Mass. Purifying brine for electrolysis. 1,500,126; July 8.
Hanson, James. (See Bramson, M. L., Hanson, and Caldwell.)
Hardin, Luther E. (See Rankin, W. A., and Hardin.)
Hargitt, Robert P. (See Davis, John H., assignor.)
Harley, Bertron G., Arkendale, Va. Rudder. 1,500,584; July 8.
Harris, Henry J., Youngstown, Ohio. Roll grinding and polishing device. 1,500,386; July 8.
Harris, Joseph D., assignor to McCord Manufacturing Company, Detroit, Mich. Tube-cutting apparatus. 1,500,127; July 8.
Harrison, Burt S., assignor to Drying Systems, Inc., Chicago, Ill. Dry filter. 1,500,128; July 8.
Harrison, J. D., administrator. (See Robertson, G. W., Hogg, Garsed, and Benefield.)
Hartmann, Victor, Long Island City, N. Y. Painter's device. 1,500,244; July 8.
Hartung, Edmund, Jersey City, N. J. Vehicle wheel-rim jack. 1,500,813; July 8.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner Inc. Friction shock-absorbing mechanism. 1,500,129; July 8.
Haslam, Frederick. (See Sanborn, R. G., and Haslam.)
Haslam, Samuel, North Attleboro, assignor to Evans Case Company, Attleboro, Mass. Salt and pepper shaker. Des. 65,117; July 8.
Hayes, Jeremiah, Everett, Wash. Automobile air wheel. 1,500,317; July 8.
Hayslett, Edgar, South Bend, Ind. Spring roller. 1,500,585; July 8.
Heesch, Otto K. (See Madsen, Mathias O. S., assignor.)
Heffner, Harry, Cleveland, Ohio. Sled. 1,500,453; July 8.
Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,500,614; July 8.
Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,500,615; July 8.
Heine Boiler Company. (See Hinman, John H., assignor.)
Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
Heitler, Kurt, New York, N. Y. Pocket for shower-bath curtains. 1,500,991; July 8.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,500,190; July 8.
Hemphill Company. (See Lawson, J., and Quint, assignors.)
Henderson, Albert E. L., Charlotte, N. C. Radiator-tube joint. 1,500,560; July 8.
Hendricks, Augustin, Grand Rapids, Mich. Motor-vehicle wheel construction. 1,500,387; July 8.
Henley, Clara A., Waterloo, Iowa. Tension ring. 1,500,616; July 8.
Henry, Louise B., Meadow, Nebr. Combination chair and baby crib. 1,500,318; July 8.
Herbert, Robert P., Rochester, N. Y. Signaling system. 1,500,191; July 8.
Heringer, William, Dogden, N. Dak. Window-sash stop and lock. 1,500,130; July 8.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box-hinging machine. 1,500,617; July 8.
Hernu, Henri, Meudon, France. Internal-combustion engine. 1,500,319; July 8.
Herthel, Arthur C., St. Louis, Mo. Cigar moistener. 1,500,704; July 8.
Heslewood, William R., and H. F. Mocine, assignors to M. & H. Piston Ring Co., Oakland, Calif. Piston ring. 1,500,705; July 8.
Heumader, Christian, St. Joseph, Mo. Foldable furniture combination. 1,500,388; July 8.
Heuser, Herman, Evanston, Ill. Dealcoholizing liquids. 1,500,618; July 8.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Link insulator. 1,500,814; June 8.
Heymann, Hans, Darmstadt, Germany. Balance machine. 1,500,454; July 8.
Hibler, Edwin A., and L. Brown, Uniontown, Pa. Fastener for bathtub legs. 1,500,131; July 8.
Hickok Manufacturing Company. (See Dieterich, William, assignor.)
Hickok Manufacturing Company. (See Mabon, Merril, assignor.)
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
Hill, Lewis C., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,500,619; July 8.
Hinman, John H., assignor to Heine Boiler Company, St. Louis, Mo. Boiler baffle and constructing same. 1,500,815; July 8.
Hinson, Clara, Sharon, Pa. Toy. 1,500,869; July 8.
Hobbs, John W., assignor to The Home Elevator Company, Indianapolis, Ind. Cable equalizer for elevators and the like. 1,500,816; July 8.
Hoerner, Grant, New York, N. Y. Holder for paper-bound books. 1,500,817; July 8.
Hogbin, Joseph, Pittsburgh, and W. Lehman, Aspinwall; said Lehman assignor of his entire right to W. Martin, Pittsburgh, Pa. Checker brick. 1,500,455; July 8.
Hogg, William T. (See Robertson, G. W., Hogg, Garsed, and Benefield.)
Holdredge, Charles H., Stonington, Conn. Foundation structure. 1,500,870; July 8.
Holland, Edward, and R. G. Collingwood, Cairo, Egypt. Instrument for graphically recording series of observations involving two factors. 1,500,871; July 8.
Holle, Alexander A., Paddington, London, England. Steering gear for motor road vehicles. 1,500,320; July 8.
Hollenbeck, Albert H., Fair View, N. Mex., assignor of one-half to F. E. Vassar, Los Angeles, Calif. Concentrator. 1,500,192; July 8.
Holmes, George A., Newton Center, Mass., assignor to United States Fastener Company. Snap fastener. 1,500,389; July 8.
Holmes, Paul A., Kansas City, Mo. Bank. 1,500,929; July 8.
Holzendorf, Charles, New York, N. Y. Automatically-controlled ventilator or fan. 1,500,492; July 8.
Home Elevator Company, The. (See Hobbs, John W., assignor.)
Hood, Harrison H., Los Angeles, assignor to Thimmeway Titles, Inc., Hollywood, Calif. Character-holding device. 1,500,561; July 8.
Hood Rubber Company. (See Glidden, Alfred A., assignor.)
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hooper, James P., Ruxton, assignor to J. P. Hooper Manufacturing Company, Baltimore, Md. Apparatus for forming and twisting threads. 1,500,930; July 8.
Hooper, James P., Ruxton, assignor to J. P. Hooper Manufacturing Company, Baltimore, Md. Centrifugal spinneret. 1,500,931; July 8.
Hooper, James P., Ruxton, assignor to J. P. Hooper Manufacturing Company, Baltimore, Md. Apparatus for producing threads. 1,500,932; July 8.
Hooper, James P., Ruxton, assignor to J. P. Hooper Manufacturing Company, Baltimore, Md. Thread-forming apparatus. 1,500,933; July 8.

Hooper, James P., Ruxton, assignor to J. P. Hooper Manufacturing Company, Baltimore, Md. Spinneret. 1,500,934; July 8.
Hooper, James P., Manufacturing Company. (See Hooper, James P., assignor.)
Hooper, William E., and Sons Company. (See Hale, Harry C., assignor.)
Hoovens, Amasa G., Goshen, Ind. Machine for winding wire upon spools. 1,500,935; July 8.
Hoovens, Amasa G., Goshen, Ind. Machine for manufacturing wire cable. 1,500,936; July 8.
Hopf, Herman, Buffalo, N. Y. Lock for window sashes, etc. 1,500,562; July 8.
Horelick, Samuel, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Cooling radiator for transformers. 1,500,818; July 8.
Horton, Fred W., Eldora, assignor of one-half to J. H. Hadley, Waterloo, Iowa. Automobile bed. 1,500,872; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Pouring pot for feeders and ingot molds. 1,500,731; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Pouring pot used in connection with hot top feeders. 1,500,732; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,733; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,734; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,735; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,736; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,737; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Method and apparatus for making sectional ingot-mold feeders. 1,500,738; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Method and apparatus for making ingot-mold feeders. 1,500,739; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,740; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,741; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,742; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,743; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,744; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,745; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,746; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,747; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,748; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,749; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,750; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,751; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,752; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,753; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,754; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,755; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,756; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Casting for feeders for ingot molds. 1,500,757; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,758; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,759; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,500,760; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Cover for feeders for ingot molds. 1,500,761; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Hot top feeder for ingot molds. 1,500,762; July 8.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Hot top feeder for ingot molds. 1,500,763; July 8.
Howard, John R., Redwood City, Calif., assignor of one-fourth to D. Fanning, Cooperstown, N. Y. Plumb bob. 1,500,938; July 8.
Howell, David A., Brooklyn, N. Y. Egg-crate unpacking and repacking apparatus. 1,500,939; July 8.
Howell, Edward B., Butte, Mont. Antiglare device for automobiles. 1,500,563; July 8.
Howle, Kenneth, Norristown, and W. O. Taylor, Limerick, assignors to Wildman Mfg. Co., Norristown, Pa. Punch mechanism for making pattern strips. 1,500,940; July 8.
Hotopp, George F., Cincinnati, Ohio. Knockdown step-ladder. 1,500,937; July 8.
Houpert, Henri J., Mamaroneck, N. Y. Piston. 1,500,245; July 8.
Hoy, Clarence A., assignor to Peerless Husker Company, Buffalo, N. Y. Receptacle-filling machine. 1,500,620; July 8.
Hubbard, John, Seven Kings, England, assignor of one-half to A. P. Crouch, London, England. Means and method for preparing rubber goods for vulcanization. 1,500,621; July 8.
Hudson Motor Car Company. (See Fekete, S. I., and Balts, assignors.)
Hueber, Paul J., Syracuse, N. Y. Concrete-building form. 1,500,564; July 8.
Huffman, Charlie E., Beatrice, Nebr. Wall construction. 1,500,493; July 8.
Hulder, Joseph P., New York, N. Y., assignor to The Unit Player Action Co., Player piano. 1,500,565; July 8.
Hulson Grate Company. (See Bradley, W. F., and Hulson, assignors.)
Hulson, John W. (See Bradley, W. F., and Hulson.)
Hunmelgard, Charles E., Jersey City, N. J. Combination shovel. 1,500,132; July 8.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Suction burner control. 1,500,321; July 8.
Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Radiator cap for motor vehicles. 1,500,622; July 8.
Hunt, Robert W., Company. (See Rush, Donald B., assignor.)
Hunter, Lewis B., Yonkers, N. Y., assignor to Phenix Cheese Company. Packaging machine for plastic materials. 1,500,494; July 8.
Hurd, Hobert J., Plainfield, N. J. Beam compass. 1,500,623; July 8.
Huron Industries, Inc. (See Lundberg, John L., assignor.)
Hussey, Paul H., Indianapolis, Ind. Reel holder for fishing rods. 1,500,390; July 8.
Hutchings, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Camera bellows. 1,500,391; July 8.
Hutchinson, Robert H., Dallas, Tex. Lubricating compound. 1,500,193; July 8.
Huth, Walter H., Chicago, Ill. Talking-machine repeater. 1,500,495; July 8.
Huyette, Paul B., Germantown, assignor to The Paul B. Huyette Co., Incorporated, Philadelphia, Pa. Glass-gauge protector. 1,501,011; July 8.
Huyette, Paul B., Co., The. (See Huyette, Paul B., assignor.)
Hyams, John H., Chicago, Ill. Collapsible clothes cabinet. 1,500,677; July 8.
Hyde, Arthur S., Hartford, Conn., assignor to Baush Machine Tool Company. Production of wheels. 1,500,496; July 8.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Thermostat. 1,500,566; July 8.
Imperial Brass Manufacturing Company. (See Rudolph, Walter J., assignor.)
Incandescent Light & Stove Company, The. (See Stubbers, Joseph, assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Ingelfinger, Edmund, Waiblingen, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Lubricator device. 1,500,873; July 8.
Ingersoll, Clarence B., Chicago, Ill. Apparatus for conditioning air. 1,500,624; July 8.
International Silver Company. (See Geib, William, assignor.)
Ionides, Philip D., Ipswich, assignor of one-half to Ransome Machinery Company (1920) Limited, London, England. Mixing machine. 1,500,322; July 8.

Ireland, Robert B., Richmond Hill, N. Y., assignor of one-half to G. Seaman, Union Hill, N. J. Glare preventer for headlights. 1,500,941; July 8.
Irwin, Herbert G., Floydada, Tex. Cotton picker. 1,500,992; July 8.
Ishburn, Charles R., Helena, Ark. Automobile tire and tool case. 1,500,874; July 8.
Isom, Byrd B., near Acton, Tenn. Signal. 1,500,706; July 8.
Jackson, Simeon S., Hyde Park, Boston, assignor to The Stafford Company, Readville, Mass. Feeler motion for looms. 1,501,012; July 8.
Jahna, Emil R., Perrysville, Ind. Concrete-roofing-tile machine. 1,500,497; July 8.
Janney, Walter T., Philadelphia, Pa. Centrifugal casting machine. 1,500,707; July 8.
Janney, Walter T., Philadelphia, Pa. Centrifugal casting machine. 1,500,708; July 8.
Janhet, Charles A., Seneca, Kans. Oil burner. 1,500,194; July 8.
Jarmin, James B., Spokane, Wash. Road machine. 1,500,392; July 8.
Jenkins, Robert W., Richmond, Calif. Oil-shale extraction process. 1,500,323; July 8.
Jessup & Moore Paper Co., The. (See Plumstead, Joseph E., assignor.)
Johnson, Albert B., Hartford, Conn. Swimmer's foot aid. 1,500,942; July 8.
Johnson & Johnson. (See Dailey, Frank L., assignor.)
Johnson, Billie, Temple, Tex. Combined tractor and cotton-picking machine. 1,500,324; July 8.
Johnson, Christian J., Colfax, Wis. Riveting machine. 1,500,625; July 8.
Johnson, George E. (See Johnson, James J. and G. E.)
Johnson, James J., San Francisco, and G. E. Johnson, Fowler, Calif. Rubber heel. 1,500,819; July 8.
Johnson, Lonzo, Indianapolis, Ind. Lamp. Des. 65,118; July 8.
Johnson Service Company. (See Otto, Arthur J., assignor.)
Johnson Service Company. (See Otto, Arthur J. and C. A., assignors.)
Johnson, Tomlinson F., jr., Atlanta, Ga. Snap clamp for tapping electric conductors. 1,500,498; July 8.
Johnson, Tomlinson F., jr., Atlanta, Ga. Clamp for electrical conductors. 1,500,499; July 8.
Jolin, Pacific, Le Bret, Saskatchewan, Canada. Chain fastener. 1,500,875; July 8.
Jolkovski, Jean D., New York, N. Y. Fire escape. 1,500,943; July 8.
Jones & Laughlin Steel Company. (See Ellis, F. L., and Sennett, assignors.)
Jones, Benjamin W. (See Carichoff, E. R., and Jones.)
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic cartridge and making same. 1,500,393; July 8.
Jones, John L., Birmingham, Ala. Valve. 1,500,820; July 8.
Jones, Richard O., Cricklewood, London, assignor to The Stafford Company, Readville, Mass. Feeler motion for looms. 1,501,012; July 8.
Jahna, Emil R., Perrysville, Ind. Concrete-roofing-tile machine. 1,500,497; July 8.
Janney, Walter T., Philadelphia, Pa. Centrifugal casting machine. 1,500,707; July 8.
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Janhet, Charles A., Seneca, Kans. Oil burner. 1,500,194; July 8.
Jarmin, James B., Spokane, Wash. Road machine. 1,500,392; July 8.
Jenkins, Robert W., Richmond, Calif. Oil-shale extraction process. 1,500,323; July 8.
Jessup & Moore Paper Co., The. (See Plumstead, Joseph E., assignor.)
Johnson, Albert B., Hartford, Conn. Swimmer's foot aid. 1,500,942; July 8.
Johnson & Johnson. (See Dailey, Frank L., assignor.)
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Jones, Benjamin W. (See Carichoff, E. R., and Jones.)
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic cartridge and making same. 1,500,393; July 8.
Jones, John L., Birmingham, Ala. Valve. 1,500,820; July 8.
Jones, Richard O., Cricklewood, London, assignor to Courtaulds Limited, London, England. Manufacture and production of caustic soda. 1,500,993; July 8.
Jones, Richard O., assignor to Courtaulds Limited, Cricklewood, London, England. Effecting the separation of sodium carbonate from liquors or solutions containing caustic soda. 1,500,994; July 8.
Jones, Richard O., assignor to Courtaulds Limited, London, England. Manufacture of caustic soda. 1,500,995; July 8.
Jordahl, Anders, New York, N. Y. Air filter. 1,500,586; July 8.
Jordan, Raphael. (See Polizzo, Carmin, assignor.)
Junkers, Hugo, Dessau, Germany. Liquid heater. 1,500,456; July 8.
Junkers, Hugo, Dessau, Germany. Valve gear. 1,500,457; July 8.
Kallenbach, Walter H., and C. C. Bertsch, Boston, assignors to A. A. Zeigler, Roxbury, Mass. Self-winding gong. 1,500,325; July 8.
Kasser Egg Process Co. (See Kasser, Morris, assignor.)
Kasser, Morris, assignor to Kasser Egg Process Co., San Francisco, Calif. Egg carrier. 1,500,876; July 8.
Kaufman, Adam W., Milwaukee, Wis. Timer. 1,500,821; July 8.
Kaufman, Adam W., Milwaukee, Wis. Oil-hole cap. 1,500,822; July 8.
Kaufman, Joseph, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Container for safety razors. 1,500,133; July 8.
Kaye, Frederick, Ashton-on-Mersey, England. Paper making. 1,500,500; July 8.
Keating, John B. (See Forward, W. L., and Keating.)
Kee, Robert J., Ottawa, Ontario, Canada. Life-saving device. 1,500,823; July 8.
Keen, Walter R., Birmingham, England. Flexible driving element. 1,500,458; July 8.
Keller, Charles L., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Shingle. 1,500,709; July 8.
Kellogg, William L. (See Anderson, Harley E., assignor.)
Kelly, James M., Portland, Oreg. Level. 1,500,710; July 8.
Kennedy, George C., Waterloo, Iowa. Auxiliary freight carrier for vehicles. 1,500,394; July 8.
Kennedy, George C., Waterloo, Iowa. Auxiliary freight carrier for vehicles. 1,500,395; July 8.
Keuffel, Adolf W., Montclair Township, Essex County, assignor to Keuffel & Esser Company, Hoboken, N. J. Drawing instrument. 1,500,246; July 8.
Keuffel & Esser Company. (See Keuffel, Adolf W., assignor.)
Kimbrell, Marvin R., Charlotte, N. C., assignor, by mesne assignments, of one-half to Memco Engineering & Manufacturing Co., Inc., Long Island City, N. Y. Electric switch. 1,500,944; July 8.
King, Jesse C., Lindley, N. Y. Milk cooler. 1,500,877; July 8.
King, William A., Seattle, Wash. Luggage carrier for vehicles. 1,500,945; July 8.
Kirchman, Marie, Cicero, Ill. Lamp shade. Des. 65,119; July 8.
Kirchman, Marie, Cicero, Ill. Lamp shade. Des. 65,120; July 8.
Kirn, Arthur J., assignor of one-half to C. M. Gruber, Philadelphia, Pa. Brake and transmission band. 1,500,396; July 8.
Klamroth, Wilfried, New York, N. Y. String fastener. 1,500,134; July 8.
Klein, John B., Kansas City, Kans. Brake for motor vehicles. 1,500,397; July 8.
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Lighting-fixture bracket. Des. 65,121; July 8.
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Chandelier. Des. 65,122; July 8.
Kline, Charles E., Cedar Springs, Mich. Frame corner. 1,500,824; July 8.
Klingelhöffer, Reinhard, Werden-on-the-Ruhr, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Water cooler for locomotives. 1,500,996; July 8.
Knopke, Raymond C., Wheaton, Ill. Metal fencepost. 1,500,135; July 8.
Knowlton, Harry N., Chicago, Ill., assignor to Weyerhaeuser Forest Products, St. Paul, Minn. Crate. 1,500,136; July 8.
Knox, Samuel L. G., New York, N. Y. Submarine construction. 1,500,997; July 8.
Koelkebeck, Carl W. A., Pittsburgh, Pa. Adjustable gaff. 1,500,501; July 8.
Kousalik, Arthur R., Philadelphia, Pa. Skylight. 1,500,678; July 8.
Kotzenberg, Wilhelm. (See Deutschmann, R., and Kotzenberg.)
Kraft, Henry P. (See Schweinert, M. C., and Kraft.)
Krauss, Friedrich E., Schwarzenberg, Germany. Portable fire extinguisher. 1,500,946; July 8.
Krell, George, Kansas City, Mo. Casing elevator. 1,500,459; July 8.
Kremer-Cummins Machine Company. (See Cummins, R. R., and Kremer, assignors.)
Kremer, Robert W. (See Cummins, R. R., and Kremer.)
Kroder, John, & Henry Reubel Company, The. (See Kurtz, William E., assignor.)
Kruchten, John F., Philadelphia, Pa. Power transmission. 1,500,878; July 8.
Kuhn, Clarence A., Forks, N. Y. Vehicle signal. 1,500,998; July 8.
Kuhn, John W., Belleville, Kans. Rotary plow. 1,500,502; July 8.
Kunkle, George R., Elyria, Ohio. Electric-motor mechanism. 1,500,825; July 8.
Kunkle, George R., Elyria, Ohio. Speed-regulated motor. 1,500,826; July 8.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,500,137; July 8.
Kurtz, William E., Los Angeles, Calif., assignor to The John Kroder & Henry Reubel Company, Brooklyn, N. Y. Curtain support. 1,500,999; July 8.
Kusnetz, Louis, Chicago, Ill. Sanitary dental supply holder. 1,500,398; July 8.
Kyle, William D., Milwaukee, Wis. Supporting insulator. 1,500,626; July 8.
Lafitte, Théodore, Paris, France. Infantry cannon. 1,500,711; July 8.
Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Hammer control for tabulating machines. 1,501,004; July 8.
Lancaster, James W., Senath, Mo. Churn dasher. 1,500,326; July 8.
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Laundry marker. 1,501,000; July 8.
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Marker. 1,501,001; July 8.
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Laundry marker. 1,501,002; July 8.
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Laundry marker. 1,501,003; July 8.
Lanese, Antonio C., Cleveland, Ohio. Fire-alarm device. 1,500,399; July 8.
Langley, Ralph H., Schenectady, N. Y., assignor to General Electric Company. Coil system. 1,500,827; July 8.
Lantis, Orva V. (See Redding, S. K., and Lantis.)
Larsen, Carl M., Glyndon, Minn. Stool. 1,501,005; July 8.
Larsen, Charles, Denver, Colo. Well-cleaning device. 1,500,400; July 8.

Larson, Christian H., Guffey, assignor of one-fourth to H. A. McDonald, one-fourth to J. L. Young, and one-fourth to H. P. Phillips, Jefferson County, Tex. Tire rack. 1,500,460; July 8.
Larson, Otto C., Brooklyn, N. Y. Automatic safety valve. 1,500,587; July 8.
Lasell, M. C. (See Melton, P. O., and Lasell.)
Lashar, Thomas B., Fairfield, Conn., assignor to Associated Silver Company, Chicago, Ill. Spoon or similar article. Des. 65,123; July 8.
Lauer-Schmaltz, Eugen, Offenbach-on-the-Main, Germany. Grinding machine. 1,500,401; July 8.
Lavole, Alphonse J., Montreal, Quebec, Canada. Power transmission. 1,500,588; July 8.
Lawson, John, Pawtucket, R. I., and E. A. Quint, New Brunswick, N. J., assignors to Hemphill Company, Central Falls, R. I. Method of and means for making spring-beard knitting needles. 1,500,627; July 8.
Lawson, Lindley S., Pittsburgh, Pa. Water heater for stand boilers. 1,500,327; July 8.
Layne, Mahlon E., Houston, Tex. Well screen and making same. 1,500,828; July 8.
Layne, Mahlon E., Houston, Tex. Forming well screens. 1,500,829; July 8.
Layne, Mahlon E., Houston, Tex. Well-screen-forming device. 1,500,830; July 8.
Leas, Bert E., Luverne, Minn. Rake. 1,501,006; July 8.
Le Bel, Joseph I., Montreal, Quebec, Canada. Smoking pipe. 1,500,503; July 8.
Leecock, John T. (See Hanson, H. H., Leecock, and Hodgett.)
Lehman, William. (See Hogbin, J., and Lehman.)
Le Maire, George R., Central City, Ky. Shock absorber. 1,500,138; July 8.
Lenk, Gus F., Dallas, Tex. Thimble. 1,500,504; July 8.
Lenk, Gus F., Dallas, Tex. Vent structure for furnaces. 1,500,505; July 8.
Leonard, David G., Schaghticoke, N. Y. Fruit picker. 1,501,007; July 8.
Leslie, Freeland D., Milton, Mass. Valve-operating device. 1,500,628; July 8.
Lessard, Henry N., Manchester, N. H. Thread guide. 1,500,947; July 8.
Lesslie, James J., Boston, Mass. Lawn mower. 1,500,506; July 8.
Lester, Leonard C., Cranston, R. I. Mechanical warning signal. 1,500,328; July 8.
Levy, Leon, New York, N. Y. Theatrical device. 1,500,507; July 8.
Levy, Louis H., New Haven, Conn. Sphygmomanometer. 1,500,629; July 8.
Lewis, Elias, Terre Haute, Ind. Knife. 1,500,402; July 8.
Lewis, Francis P., Buffalo, N. Y. Means for testing vision. 1,500,247; July 8.
Lewis, Francis P., Buffalo, N. Y. Testing vision. 1,500,248; July 8.
Lima y Boyz, Alejandro. (See Muro, R. D., and Lima y Boyz.)
Lippincott, Donald K., San Francisco, Calif., assignor, by mesne assignments, to General Electric Company. Electric-circuit protective device. 1,501,018; July 8.
Lippincott, Donald K., San Francisco, Calif., assignor, by mesne assignments, to General Electric Company. Electric-circuit protective device. 1,501,019; July 8.
Little, Arthur E., Cleveland, Ohio. Attachable handle for grease-cup caps. 1,500,831; July 8.
Lloyd, Arthur J., and G. A. Olsen, assignors to Accounting Devices Company, Chicago, Ill. Loose-leaf binder. 1,500,630; July 8.
Logan, Henry H., Chicago, Ill. Safety control device. 1,500,403; July 8.
Long, Albert R., Ranshaw, Pa. Gear-shift lock for automobiles. 1,500,948; July 8.
Longnecker, Fred M. (See Hall, William E., assignor.)
Look, Frank L., Pasadena, Calif. Cooling and dispensing device. Des. 65,124; July 8.
Lord, Hugh C., Erie, Pa. Railway tie. 1,500,139; July 8.
Loubet, Enice J., New York, N. Y. Doll. Des. 65,125; July 8.
Love, William R., Armour, N. C. Coin-controlled mechanism for dispensing apparatus. 1,500,195; July 8.
Lovig, Edward. (See Mowry, L. N., and Lovig.)
Lozo, Frank J., Saskatoon, Saskatchewan, Canada. Grease cup. 1,500,404; July 8.
Luce, Grafton E., Chicago, Ill. Collapsible arch form for brickkilns. 1,500,949; July 8.
Ludlow, George M., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Thermostatically-adjusted scale lever. 1,500,405; July 8.
Ludwik, Richard G., Brooklyn, assignor to Concrete Steel Company, New York, N. Y. Wire tie for reenforcing rods and bars. 1,500,832; July 8.
Lumsden, John, Ottawa, Ontario, Canada. Peat drier and the like. 1,500,461; July 8.
Lundberg, John L., assignor to Huron Industries, Inc., Alpena, Mich. Gasket for rotating kilns. 1,500,589; July 8.
Lusignan, Wilfrid H., Worcester, Mass. Picker rod and stand for looms. 1,500,329; July 8.
Lux, George, Quakertown, Pa. Shuttle spindle and coptube holder therefor. 1,500,508; July 8.
M. & H. Piston Ring Co. (See Heslewood, W. R., and Mocine, assignors.)
Mabon, Merril, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 65,126; July 8.
Mabon, Merril, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 65,127; July 8.
Mabon, Merril, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 65,128; July 8.
MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ornamenting or coating. 1,500,833; July 8.
MacDonald, Murray J., New York, N. Y. Burial casket. 1,500,141; July 8.
Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for modifying the characteristics of asynchronous dynamo-electric machines. 1,500,834; July 8.
Madle, Frank, Berwyn, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill. Receptacle. 1,500,142; July 8.
Madsen, Mathias O. S., assignor to O. K. Heesch, Aarhus, Denmark. Coin-controlled apparatus. 1,500,462; July 8.
Maier, Robert. (See Rall, M., and Maier.)
Malicke, John J., Wisconsin Rapids, Wis. Doctor controller for paper-machine driers. 1,500,952; July 8.
Maloney, Thomas J., Youngstown, Ohio. Bundling table. 1,500,835; July 8.
Mangner, Fred, Deer Park, Md. Attachment for milk bottles. 1,500,251; July 8.
Manheimer, Emanuel. (See Zacharias, F., and Manheimer.)
Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
Manning, Maxwell & Moore, Inc. (See Darling, Philip G., assignor.)
Mansure, Nellie F., Chicago, Ill. Curtain-rod leader. 1,500,631; July 8.
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for cutting bias strips. 1,500,632; July 8.
Marriott, Robert H., Bremerton, Wash. Telephonic receiver. 1,500,331; July 8.
Marshall, Lewis C., Walpole, assignor to Pressure Proof Piston Ring Company, Boston, Mass. Piston ring. 1,500,252; July 8.
Marshall, William J., East Boston, Mass. Fire-hose nozzle. 1,500,633; July 8.
Martin, Albert S., East Burlington, N. J. Automatic fire alarm. 1,500,408; July 8.
Martin, William. (See Hogbin J., and Lehman, assignors.)
Marx, Louis, New York, N. Y. Figure toy. 1,500,590; July 8.
Maschinenfabrik Rheinland A. G. (See Brühl, Paul, assignor.)
Mason, Arthur C., Flint, assignor to General Motors Corporation, Detroit, Mich. Tractor. 1,501,025; July 8.
Maspons, Albert E., Philadelphia, Pa. Automatic wrapping machine. 1,500,143; July 8.
Masters, Mace L., Mount Ulla, N. C. Safety razor. 1,500,953; July 8.
Matheslus, Hans. (See Mathesius, Walther and H.)
Matheslus, Walther and H., Charlottenburg, Germany. Manufacture of lead alloys. 1,500,954; July 8.
Matson, Carl W., Westport, Oreg. Electric switch. 1,500,512; July 8.
Matson, Francis G., Washington, D. C. Edible food product. Des. 65,129; July 8.
Mattern, William K., Germantown, Pa. Adjustable sinker. 1,500,463; July 8.
Matz, William A., Clinton, Iowa. Dust remover. 1,500,955; July 8.
Mayer, Frederick. (See Mayer, Henry, assignor.)
Mayer, Henry, assignor of one-half to F. Mayer, St. Louis, Mo. Automobile lock. 1,500,836; July 8.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Distillation with aluminum chloride. 1,501,014; July 8.
McCabe, Hugh, Lawrence, Mass. Cold flanging irregularly-shaped sheet-metal plates. 1,501,008; July 8.
McCarthy, Joseph J., Cincinnati, Ohio. Ash sifter. 1,500,712; July 8.
McClintock, Lewis G., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Cooling apparatus for transformers. 1,500,764; July 8.
McCord Manufacturing Company. (See Harris, Joseph D., assignor.)
McCracken, Arthur, and W. V. Monroe, Chicago, Ill. Traction grip. 1,500,249; July 8.
McCulloch, Doyle W., Blackwell, Okla. Oil burner. 1,500,509; July 8.
McDonald, H. A., et al. (See Larson, Christian H., assignor.)
McElvar, Carl, and S. Simmons, Nesquehoning, Pa. Carrier for miners' battery boxes. 1,500,510; July 8.
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 65,130; July 8.
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Ring for lighting fixtures. Des. 65,131; July 8.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Spindle for lighting fixtures. Des. 65,132; July 8.
McFall, William H., assignor to Globe Ticket Company, Philadelphia, Pa. Check-notching device. 1,500,950; July 8.
McGhee, John A., McKees Rocks, Pa. Pouring spout. 1,500,951; July 8.
McHugh, John F., et al. (See Clark, Sherman D., assignor.)
McIntire, Erastus W., Salt Lake City, Utah. Collapsible back saw. 1,500,406; July 8.
McIntyre, Sydney S., Sedro Woolley, Wash. Locomotive. 1,500,330; July 8.
McKay, Chester, Glen Brook, Conn. Game indicator. 1,500,196; July 8.
McKenney, Charles D., assignor to The Seward Trunk and Bag Company, Petersburg, Va. Luggage holder. 1,500,511; July 8.
McKinney, Samuel L., Peoria, Ill., assignor to Elevator Locks Co. Safety appliance for elevator cars. 1,501,024; July 8.
McLain Co., The. (See McLain, Frank H., assignor.)
McLain, Frank H., assignor to The McLain Co., Portland, Me. Automatic wood-turning lathe. 1,500,250; July 8.
McLavey, John P., Iowa Falls, Iowa. Mileage register. 1,500,407; July 8.
McMullen, John E., Council Bluffs, Iowa. Rail joint. 1,500,140; July 8.
Medley, James, Ironwood, Mich. Automobile accessory. 1,501,015; July 15.
Meinhardt, Jacob A., Chicago, Ill. Mop frame. 1,500,634; July 8.
Mehlhaf, William, Sutton, Nebr. Automobile signal. 1,500,144; July 8.
Melton, Perry O., and M. C. Lasell, Aberdeen, S. Dak. Attachment for automobile wheels. 1,500,409; July 8.
Memco Engineering & Manufacturing Co., Inc. (See Kimbrell, Marvin R., assignor.)
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Stoneworking machine. 1,500,598; July 8.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricator. 1,500,599; July 8.
Merkel, John, jr., Evansville, Ind. Toothbrush. 1,500,410; July 8.
Merrill, Edwin C., Pittsburgh, Pa. Gas burner. 1,500,413; July 8.
Mestas, Anastasio, Mexico, Mexico. Bed construction. 1,500,956; July 8.
Metal Auto Parts Company. (See Thompson, B. E., and Green, assignors.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Michalski, Joseph J., Buffalo, N. Y. Theft detector for automobiles. 1,500,635; July 8.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Calender. 1,500,679; July 8.
Miller, Henry, Kansas City, Mo. Heating attachment for stove or furnace pipes. 1,500,838; July 8.
Miller, B. S. (See Bowles, Leonard G., assignor.)
Miller, Edward, Columbus, Ohio, assignor to C. J. Root, Terre Haute, Ind. Glass-feeding mechanism. 1,500,879; July 8.
Miller, Fred A., assignor of one-half to B. E. Tate, St. Louis, Mo. Rivet holding and setting tool. 1,500,253; July 8.
Miller, Guttorm, Glens Falls, N. Y. Tunneling machine. 1,500,411; July 8.
Miller, J. Henry, et al. (See Whitted, John B., assignor.)
Miller, Joseph, Fostoria, Ohio. Automobile stand. 1,500,880; July 8.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Tennis ball and manufacturing the same. 1,501,009; July 8.
Milligan, Abb L., Atlanta, Ga. Insecticide container and distributor. 1,500,514; July 8.
Miner, W. H., Inc. (See Anderson, Harley E., assignor.)
Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minniear, George D., et al. (See Bolton, P. W., and Minniear, assignors.)
Minniear, William N. (See Bolton, P. W., and Minniear.)
Misklmen, Judson H., Glendive, Mont. Vehicle wheel rim. 1,500,412; July 8.
Mitchell, Allister S., assignor to California Cotton Mills Company, Oakland, Calif. Padding machine. 1,500,413; July 8.
Mocine, Harry F. (See Heslewood, W. R., and Mocine.)
Moir, Donald, and H. Buchanan, Rosario de Santa Fe, Argentina. Means for the manufacture centrifugally of pipes, columns, and other hollow articles. 1,500,414; July 8.
Monroe, Frank C., Enderlin, N. Dak. Lamp. 1,500,197; July 8.
Monroe, William V. (See McCracken, A., and Monroe.)
Montgomery, John. (See Dover, George W., assignor.)
Montour Aluminum Soldering Corporation. (See Page, George E., assignor.)
Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Incased electrical apparatus. 1,500,837; July 8.
Morgan, George U., London, England. Liquid-fuel burner. 1,500,880; July 8.
Moriarty, Herbert B., Memphis, Tenn. Cap or crown puller. 1,500,881; July 8.
Moriarty, Herbert B., Memphis, Tenn. Cap or crown puller. 1,500,882; July 8.
Morris, George T., St. Louis, Mo. Connecting rod. 1,500,515; July 8.
Morrison, Edward C., Fayetteville, N. Y. Car-journal-polishing device. 1,500,198; July 8.
Morrison, Frank B., assignor to The Power Manufacturing Company, Marion, Ohio. Internal-combustion engine. 1,500,464; July 8.
Morrow, Frank C., Wellston, Ohio. Shaking screen. 1,500,415; July 8.
Morton, Fred S., Worcester, Mass. Ball-bearing head. 1,500,516; July 8.
Morton, Harry U., Chicago, Ill., assignor to Morton Manufacturing Company. Car-vestibule diaphragm. 1,500,591; July 8.
Morton Manufacturing Company. (See Morton, Harry U., assignor.)
Mosley, Frank E., Shettleston, Scotland. Apparatus for controlling the operation of talking machines or machines in timed relation to a cinematographic machine. 1,500,254; July 8.
Mouser, William F., Lodge, Mo. Rail chair and coupler. 1,500,517; July 8.
Mowry, Lloyd N., and E. Lovig, St. Petersburg, Fla. Pocket check and pass book carrier. 1,500,713; July 8.
Mudra, Bohumil R., Chicago, Ill. Machine for cleaning balls. 1,500,681; July 8.
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Float-valve-operating mechanism. 1,500417; July 8.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Waste stopper and operating mechanism. 1,500,416; July 8.
Mullen, Frank E., Lexington, Miss. Insect trap. 1,500,518; July 8.
Müller, Carl A., Witzenhausen, Germany. Safety lock. 1,500,883; July 8.
Mumm, Frank J. (See Colbyson, H. M., and Mumm.)
Munning, A. P., & Co., New York. (See Hall, Wesley F., assignor.)
Münz, Ferdinand, Fechenheim-on-the-Main, Germany, assignor to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung. Production of effect threads with animal fibers. 1,500,255; July 8.
Murdoch Manufacturing and Supply Company, The. (See Bart, Thomas E., assignor.)
Murnin, John A., Pittsburgh, Kans. Advertising device. 1,500,884; July 8.
Muro, Raul D., and A. Lima y Boyz, Habana, Cuba. Compound for treating hair. 1,500,519; July 8.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,500,839; July 8.
Nagel, Theodore, Brooklyn, N. Y. Treating coal. 1,500,256; July 8.
Nakanishi, Yobie, Los Angeles, Calif. Garment press. 1,500,714; July 8.
Nalle, Charles R., Wichita Falls, Tex. Adjustable caster. 1,500,465; July 8.
National Malleable and Steel Castings Company. (See Schmidt, Ernest H., assignor.)
Neander, Oscar L., Aurora, Nebr. Spout lock. 1,500,520; July 8.
Nelson, Gust A., Sedro Woolley, Wash. Vulcanizer. 1,500,885; July 8.
Nelson, Tennie, Kilbourne, Wis. Chimney brush. 1,500,886; July 8.
Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,500,887; July 8.
Nero, Arvid H., New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,500,888; July 8.
Nield, Joseph, Salisbury, South Rhodesia, South Africa. Apparatus for extracting oil, fats, and waxes and for conditioning maize and other grain. 1,500,957; July 8.
Nicholas, Peter Z., Charlestown, Mass. Direction signal. 1,500,521; July 8.
Nickerson, Franklin G. (See Norwood, H. E., and Nickerson.)
Noble & Wood Machine Company, The. (See Werner, Walter, assignor.)
Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Caster socket. 1,500,840; July 8.
Norwood, Harry E., New York, and F. G. Nickerson, Brooklyn, assignors to Perfect Window Regulator Company, New York, N. Y. Electrically-operated raising and lowering mechanism for windows. 1,500,765; July 8.
Nutt, William H., Newburyport, Mass. Shoe heel. Des. 65,133; July 8.
Obert, Leon D., Underwood, Minn. Grain separator. 1,500,522; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction side bearing. 1,500,145; July 8.

O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,500,146; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne, assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,500,147; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,500,148; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,500,149; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Resilient shackle. 1,500,150; July 8.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Resilient connecter for mine cars. 1,500,151; July 8.
Olsen, George A., assignor to Accounting Devices Company, Chicago, Ill. Loose-leaf binder. 1,500,682; July 8.
Olsen, George A. (See Lloyd, A. J., and Olsen.)
Opel, Walter, assignor to the Firm Georgi & Co., Leipzig, Germany. Picture frame. 1,500,257; July 8.
Ostemau, Carl G., assignor to S. A. Woods Machine Company, Boston, Mass. Bearing. 1,500,523; July 8.
O'Sullivan, Otho, Willimantic, Conn. Thread guide for spinning machines. 1,500,258; July 8.
Otterson, William A., Boston, Mass. Apparatus for forming hollow concrete walls. 1,500,683; July 8.
Otto, Arthur J., assignor to Johnson Service Company, Milwaukee, Wis. Thermostat. 1,500,259; July 8.
Otto, Arthur J. and C. A., assignors to Johnson Service Company, Milwaukee, Wis. Thermostat. 1,500,260; July 8.
Otto, Carl A. (See Otto, Arthur J. and C. A.)
Overmyer, Charles G., Hartford City, Ind. Glass caster. 1,500,199; July 8.
Overstreet, John T., Uvalde, Tex. Sealing means for receptacles. 1,500,200; July 8.
Ozerowicz, Alexander, Romulus, assignor of one-third to J. Antonuitis and one-third to K. Salavejus, Detroit, Mich. Toy. 1,500,201; July 8.
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Hill, Lewis C., assignor.)
Packard Motor Car Company. (See Hunt, Ormond E., assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Page, George E., Rochester, assignor to Montour Aluminum Soldering Corporation, Montour Falls, N. Y. Sheet-metal-spinning machine. 1,500,261; July 8.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 65,134; July 8.
Page, Stanley H., San Francisco, and J. B. Struble, Oakland, Calif. Temperature-controlling means for motors. 1,500,418; July 8.
Paine, Roscoe B., Waterville, Me. Slot closer. 1,500,419; July 8.
Palm, Fechteler & Co. (See De Ville, Walter, assignor.)
Palmenberg's, J. R., Sons, Inc. (See Candlish, William C., assignor.)
Papoulias, Angelo, Steubenville, Ohio. Change-making device. 1,500,262; July 8.
Paraffine Companies. (See Rosener, L. S., and Doane, assignors.)
Parodi, Angelo C., Jersey City Heights, N. J. Egg boiler. 1,500,958; July 8.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Stop hinge. 1,501,013; July 15.
Paske, Delmar, Newfane, N. Y. Aerial standard. 1,500,841; July 8.
Patrick, Henry N., Mineola, Tex. Buckle for cotton bales. 1,500,684; July 8.
Paulson, Jarl O., Fargo, N. Dak. Table lamp. 1,500,842; July 8.
Pearsons, Arthur W. (See Wagner, William F., assignor.)
Pease, William E., et al. (See Evers, William H., assignor.)
Peerless Husker Company. (See Hoy, Clarence A., assignor.)
Perczel, Aladár, Ujpest, Hungary. Apparatus for the treatment of solid substances in a gaseous atmosphere. 1,500,715; July 8.
Perfect Window Regulator Company. (See Norwood, H. E., and Nickerson, assignors.)
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Sole-punching machine. 1,500,263; July 8.
Perzeszty, Joseph, New York, N. Y. Window-locking arrangement. 1,500,636; July 8.
Peters, Edward F., et al. (See Rosewarne, Richard E., assignor.)
Peters, William, et al. (See Rosewarne, Richard E., assignor.)
Peterson, Edward G., et al. (See Sundstrand, Oscar J., assignor.)
Peterson, George M., Sturgeon Bay, Wis. Piston vise. 1,500,264; July 8.
Pettersson, Fritz A., assignor to Aktiebolaget Gjuterimaskiner, Halmstad, Sweden. Cooking stove. 1,500,843; July 8.
Petty, Earl, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y. Purifying mineral oil. 1,500,202; July 8.
Pfeiffer, Eli J., Union Grove, Wis. Foot accelerator. 1,500,889; July 8.
Phenix Cheese Company. (See Hunter, Lewis B., assignor.)
Phenix Cheese Company. (See Wyner, Felix, assignor.)
Phillips, H. P., et al. (See Larson, Christian H., assignor.)
Phillips, William E., Jacksonville, Fla. Armrest. 1,500,524; July 8.
Pierini, Humbert, Greenville, Miss. Trap. 1,500,525; July 8.
Pillar, Oscar, assignor to Vacuum Groove Piston Ring Corporation, Oakland, Calif. Groove-cutting machine. 1,500,637; July 8.
Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
Pittsburgh Transformer Company. (See Horelick, Samuel, assignor.)
Pittsburgh Transformer Company. (See McClintock, Lewis G., assignor.)
Plauson, Hermann, Hamburg, Germany. Oil-soluble dyestuff. 1,500,844; July 8.
Plauson, Hermann, Hamburg, Germany. Process and apparatus for the manufacture of dispersoids. 1,500,845; July 8.
Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Extracting liquid from porous material containing the same. 1,500,265; July 8.
Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Reclamation of low-melting-point salts from black liquor. 1,500,890; July 8.
Polizzo, Carmin, assignor of one-half to R. Jordan, Paterson, N. J. Loose reed for looms. 1,500,466; July 8.
Pollak, James L., assignor to U. S. Tool Manufacturing Company, Chicago, Ill. Shade holder. 1,500,320; July 8.
Pond, William H., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Lacquering machine. 1,500,467; July 8.
Popendick, William, Decatur, Mich. Auto wheel. 1,500,716; July 8.
Porter, Frank K., Clairton, Pa. Coke-oven interlocking and signaling mechanism. 1,500,526; July 8.
Posner, Abraham, Brooklyn, N. Y. Shoe heel. 1,500,421; July 8.
Power Manufacturing Company, The. (See Morrison, Frank B., assignor.)
Power Specialty Company. (See Rover, Richard H., assignor.)
Powers, Fannie I. (See Witty, George, assignor.)
Powers, John N., Washington, D. C. Flexible coupling. 1,500,959; July 8.
Prenzel, Adam H., Halifax, Pa. Making shoes. 1,500,527; July 8.
Pressure Proof Piston Ring Company. (See Marshall, Lewis C., assignor.)
Prest-O-Lite Company, The. (See Benner, Raymond C., assignor.)
Prest-O-Lite Company, The. (See Benner, R. C., and French, assignors.)
Preston, Albert F., deceased, Boston, by J. Abbott, Winchester, and A. B. White, Brookline, Mass., administrators. Cutting mechanism. 1,500,638; July 8.
Preston, William, Spokane, Wash. Animal trap. 1,500,332; July 8.
Price Charles E., Austen, W. Va. Track fastening. 1,500,203; July 8.
Price, James T., Lincoln, Ill. Sewing-machine lamp bracket. 1,500,846; July 8.
Primm, James D., sr., Athens, Ill. Hut for swine. 1,500,266; July 8.
Proctor & Schwartz, Incorporated. (See Buckley, Joseph L., assignor.)
Prosperity Co. Inc., The. (See Braun, Philip N., assignor.)
Putnam, Alden L., Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del. Reversible disk wheel. 1,500,333; July 8.
Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,500,152; July 8.
Quehl, Cathryn E., administratrix. (See Quehl, William R.)
Quehl, William R., deceased, St. Louis, Mo.; C. E. Quehl, administratrix. Step ladder. 1,500,891; July 8.
Quinn, William J., Pottsville, Pa. Brake. 1,500,717; July 8.
Quint, Everett A. (See Lawson, J., and Quint.)
Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,135; July 8.
Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,136; July 8.
Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,137; July 8.

Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,138; July 8.
Rall, Max, and R. Maier, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric switch for heavy electric currents. 1,500,847; July 8.
Rand, James H., North Tonawanda, N. Y. Index. 1,500,718; July 8.
Rand, James H., North Tonawanda, N. Y. Card index. 1,500,719; July 8.
Rankin, William A., and L. E. Hardin, Chicago, Ill., assignors to Edison Electric Appliance Company, Inc. Turnover toaster. 1,500,848; July 8.
Ransome Machinery Company (1920) Limited. (See Ionides, Philip D., assignor.)
Rathbun, Fay F., Jamestown, N. Y. Variable electric plate condenser. 1,500,528; July 8.
Rawdon, Edward W., Akron, Ohio. Locomotive driving box. 1,500,720; July 8.
Readey, John M., St. Louis, Mo. Brake-handle mechanism. 1,500,766; July 8.
Reardon, Bernard S. (See Reardon, Daniel B. and B. S.)
Reardon, Daniel B., Council Bluffs, Iowa, assignor to B. S. Reardon, Sioux Falls, S. Dak. Road-surfacing machine. 1,500,529; July 8.
Redding, Stanley K., Bluffton, and O. V. Lantis, Markle, Ind. Buckle. 1,500,267; July 8.
Reed, Bessie E., Kansas City, Mo. Belt-fastening device. 1,500,153; July 8.
Reed, Frederic P., East Orange, N. J., assignor to Waterford Art Papers, Inc., Waterford, N. Y. Drying apparatus. 1,500,592; July 8.
Reeve, Bertram, Chatham, Ontario, Canada. Nonset automatic electrical stop for phonographs and other like instruments. 1,500,334; July 8.
Regan, Edward C., New Haven, Conn. Power-press guard. 1,500,960; July 8.
Reiber, Edwin H., West Webster, N. Y. Embossing machine. 1,500,961; July 8.
Reich, Harold A., assignor to R. Reich & Son, New York, N. Y. Cutting fur skins and product thereof. 1,500,468; July 8.
Reich, R., & Son. (See Reich, Harold A., assignor.)
Reimann, Otto, Pferdsdorf, Germany. Dyeing or impregnating the wood in living trees. 1,500,469; July 8.
Rekar, John J., Los Angeles, Calif. Electric lamp. 1,500,639; July 8.
Renner, Frank J., Madison, Wis. Radiografonola. 1,500,892; July 8.
Replogle, James B., Detroit, Mich., assignor to Delco-Light Company, Dayton, Ohio. Thermostat device. 1,500,268; July 8.
Republic Knitting Mills, Inc. (See Brantman, Maurice W., assignor.)
Rewerts, Charles, et al. (See Bradburn, Curtis E., assignor.)
Reynolds, Frank J., Rockville Center, Long Island, N. Y. Card-holding device. 1,500,269; July 8.
Reznik, Jacob C., Brooklyn, N. Y. Cretonne. Des. 65,139; July 8.
Rice, Louis W., New York, N. Y. Device for holding perforated game counters. 1,500,767; July 8.
Richard, Anthony H., Alexandria, La. Tie-rod tightener and puller for concrete forms. 1,500,204; July 8.
Richard, Charles D., New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Crossbar line switch. 1,500,593; July 8.
Richardson Company, The. (See Keller, Charles L., assignor.)
Richmond Lace Works. (See Radford, George, assignor.)
Richmond Lace Works. (See Seel, Hans, assignor.)
Rickett, S. S., et al. (See Robinson, James K., assignor.)
Riddle, Edward N., Co., The. (See Crowell, Frank S., assignor.)
Rike, Frederick F. (See Anderson, R. C., and Rike.)
Riley, Richard J., Jennings, Mo. Clothesline prop. 1,500,530; July 8.
Riley, Wayne L., Flushing, Mich. Key retainer. 1,500,335; July 8.
Ringler, William A., Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio. Ledger for machine posting. 1,500,768; July 8.
Ritchie, David A., Centralia, Ill. Automobile headlight attachment. 1,500,640; July 8.
Riverside and Dan River Cotton Mills, Inc. (See Chase, H. M., and Roberston, assignors.)
Roberts, John, Bowling Green, Ky. Radiator wrench. 1,500,893; July 8.
Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company. Power reverse gear. 1,500,685; July 8.
Robertson, C. C., et al. (See Robinson, James K., assignor.)
Robertson, George W. (See Chase, H. M., and Robertson.)
Robertson, George W., W. T. Hogg, Danville, Va., E. T. Garsed, Charlotte, N. C., and W. G. Benefield, deceased, by J. D. Harrison, administrator, Danville, Va. Warp-dyeing machine. 1,500,894; July 8.
Robinson, Albert P., Seattle, Wash. Fireplace damper. 1,500,154; July 8.
Robinson Hardware Company. (See Congable, Henry F., assignor.)
Robinson, James K., assignor of one-fourth to S. S. Rickett and one-fourth to C. C. Robertson, Jacksonville, Fla. Bushing remover. 1,500,422; July 8.
Rödel, Friedrich G. B., Lutzen, Germany. Ball bearing for screw gearing. 1,500,270; July 8.
Roe, William C., Pittsburgh, Pa. Phonographic attachment. 1,500,470; July 8.
Rogers, Carl L. (See Davies, F. A., and Rogers.)
Rogers, Cephas B., Danbury, Conn. Ceiling fixture for electric lights. Des. 65,140; July 8.
Rogers, Cephas B., Danbury, Conn. Electric-light bracket. Des. 65,141; July 8.
Rogers, John F., Cleveland Heights, P. H. Douglas, East Cleveland, and C. W. Benjamin, Lakewood, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Rolling-mill manipulator. 1,500,336; July 8.
Rohrbach, Adolf, Charlottenburg, Germany. Fitting for duralumin constructions. 1,500,595; July 8.
Romine, William M., and W. J. Clark, Wichita, Kans. Dental flask. 1,500,155; July 8.
Root, Chapman J. (See Miller, Edward, assignor.)
Rose, James R., Edgeworth, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Gaseous fuel and producing same. 1,500,594; July 8.
Rosener, Leland S., San Francisco, and F. I. Doane, Berkeley, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Pipe-wrapping machine. 1,500,769; July 8.
Rosewarne, Richard E., Covington, Ky., assignor of one-half to E. F. Peters and W. Peters, Cincinnati, Ohio. Cutter head for cigarette machines. 1,500,721; July 8.
Ross, Chester H., administrator. (See Abraham, Clinton D.)
Ross, Thomas H., Brooklyn, assignor, by mesne assignments, to Arcas Brass and Iron Company, Inc., New York, N. Y. Can opener. 1,500,596; July 8.
Roth, Emil, Cleveland, Ohio, and E. P. Elzy, assignors to The Aetna Life Insurance Company, Hartford, Conn. Punch-press guard mechanism. 1,500,337; July 8.
Roth, Louis, assignor to Sterling Bronze Company, New York, N. Y. Handle. Des. 65,142; July 8.
Roush, Ralph R., Columbus, Ohio. Toothbrush. 1,500,722; July 8.
Rover, Richard H., Dansville, assignor to Power Specialty Company, New York, N. Y. Support for corrugated heating elements. 1,500,895; July 8.
Roy, Robert E., Santa Rosa, Calif. Tractor. 1,500,723; July 8.
Royal Typewriter Company. (See Dowd, Bernard J., assignor.)
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Ruberoid Company, The. (See Abraham, Herbert, assignor.)
Rudolph, Walter J., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Tire protector. 1,500,849; July 8.
Rumbaugh, Argyll L., Dillon, Mont. Weeder. 1,500,271; July 8.
Rush, Donald B., Villa Park, Ill., assignor to Robert W. Hunt Company. Grading machine for granular material. 1,500,850; July 8.
Ryan, John F., Huntington, W. Va. Changeable exhibitor. 1,500,896; July 8.
Ryan, Roger W., Oconomowoc, Wis., assignor to Carnation Milk Products Company, Seattle, Wash. Recovering lactose or milk sugar from milk or whey. 1,500,770; July 8.
Ryersen, Nils. (See Shackleton, A., and Ryersen.)
Ryerson, Crane, Inc. (See Crane, Frank R., jr., assignor.)
Ryman, Noal G., et al. (See Bolton, P. W., and Minnear, assignors.)
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,500,205; July 8.
Sabourin, Guy O., West Brighton, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electrical connecter. 1,500,641; July 8.
Saco-Lowell Shops. (See Curley, Robert S., assignor.)
Salavejus, Kazimer, et al. (See Ozerowicz, Alexander, assignor.)
Saldinger, Harry, Chelsea, Mass. Time and cost calculator. 1,500,642; July 8.
Sanborn, Robert G., and F. Haslam, assignors to E. A. Chase Granite Company, Northfield, Vt. Ornamenting stone. 1,500,272; July 8.
Sands, Edwin T. (See Birkin, C. W., and Sands.)
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Bottle. Des. 65,143; July 8.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Bottle. Des. 65,144; July 8.
Sanitary Scale Company. (See Ludlow, George M., assignor.)
Sargeant, Leonard, Fairmont, W. Va. Tramroad. 1,500,724; July 8.
Sargent & Company. (See Voight, Henry G., assignor.)
Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Lighting fixture. 1,501,029; July 8.
Satern, John J., Rothsay, Minn. Belt-throwing device. 1,500,156; July 8.
Sattler, Herman J., sr., Quakertown, Pa. Let-off. 1,500,273; July 8.
Scalbom, Oscar L., Glenview, Ill. Cutter holder. 1,500,643; July 8.
Scalbom, Oscar L., Glenview, Ill. Cutter holder. 1,500,644; July 8.

Scarborough, George G., Girdletree, Md. Heating stove. 1,500,725; July 8.
Scarff, Frederick W., London, England. Gun mounting. 1,500,726; July 8.
Scarling, Nicholas D., Richmond, Va. Window cleaner. 1,500,274; July 8.
Schaefer, Bernhard, Cincinnati, Ohio. Smoker's stand. Des. 65,145; July 8.
Schelter, John C., Rochester, N. Y. Last. 1,500,471; July 8.
Scherner, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire wrapping. 1,500,472; July 8.
Schick, Gottfried, Tampa, Kans. Fanning mill. 1,500,275; July 8.
Schlueter, Max L., Chicago, Ill. Floor-sanding machine. 1,500,771; July 8.
Schmidt, Ernest H., Cleveland Heights, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupler yoke. 1,500,157; July 8.
Schmoll, Frank, Clear Lake, Iowa. Lawn-mower sharpener. 1,500,898; July 8.
Schneible, Joseph, Chicago, Ill. Compounding vehicle or base. 1,500,276; July 8.
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schuetz, Ben F. (See Spurrier, William W., assignor.)
Schumacher, James E., York, England. Steam-hydraulic and other fluid-pressure engine. 1,500,206; July 8.
Schwartz, Gerhardt F., St. Louis, Mo. Automatic cut-off for gas appliances. 1,500,772; July 8.
Schweinert, Maximilian C., New York, N. Y., and H. P. Kraft, Ridgewood, N. J. Quick-acting pump coupling. 1,500,531; July 8.
Schweinert, Maximilian C., New York, N. Y., and H. P. Kraft, Ridgewood, N. J. Quick-acting pump coupling. 1,500,645; July 8.
Scoles, Arthur W., Tulsa, Okla. Composition for removing paint and varnish. 1,500,899; July 8.
Scott, Carl F., Yonkers, N. Y., assignor to General Electric Company. System of motor control. 1,500,851; July 8.
Seaman, George. (See Ireland, Robert H., assignor.)
Security Engineers Incorporated. (See Sévigné, Henri A., assignor.)
Seel, Hans, Hopkinton, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,146; July 8.
Selbrede, William C., Billings, Mont. Rim tool. 1,500,900; July 8.
Selker, Harry, Cleveland, Ohio. Shock absorber. 1,500,277; July 8.
Senkel, Frederick W. A., Baltimore, Md. Soldering iron. 1,500,278; July 8.
Sennett, John H. (See Ellis, F. I., and Sennett.)
Sergardi, Fabio, East Orange, N. J., assignor to Willys Corporation, New York, N. Y. Motor vehicle. 1,500,646; July 8.
Severson, Thomas, deceased; J. W. Walker, Duluth, Minn., administrator. Bunghole spud. 1,500,158; July 8.
Sévigné, Henri A., Winthrop, assignor to Security Engineers Incorporated, Lowell, Mass. Locked adjustable device. 1,500,901; July 8.
Seward Trunk and Bag Company, The. (See McKenney, Charles D., assignor.)
Sewell, John W., Alton, Ill. Crank-shaft and connection-rod bearing. 1,500,902; July 8.
Shackleton, Alfred, and N. Ryersen, Chicago, Ill. Carburetor. 1,500,647; July 8.
Shalkop, Isaac C., Philadelphia, Pa., assignor to The De Luxe Brush Company, Wilmington, Del. Dispensing device. 1,500,159; July 8.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Shaw, John K., Minneapolis, assignor to C. F. Dahlberg, St. Paul, Minn. Fiber board having ornamental surfaces. 1,500,207; July 8.
Shaw, John K., Minneapolis, assignor to C. F. Dahlberg, St. Paul, Minn. Process of and apparatus for making fiber board. 1,500,208; July 8.
Shaw, John K., Minneapolis, Minn. Felting and recessing machine. 1,500,209; July 8.
Shelton, Claude A., Mount Airy, N. C. Tire adapted for vehicle wheels. 1,500,532; July 8.
Shephard, Clarence A., Bridgeport, Conn. Spark-plug cleaner. 1,500,852; July 8.
Sherman, E. P., et al. (See Clark, Sherman D., assignor.)
Sherman, John Q., Dayton, Ohio. Manifolding register. 1,500,728; July 8.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Flat-bed manifolding typewriter. 1,500,727; July 8.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Manifolding typewriter. 1,500,729; July 8.
Sherry, John C., Seattle, Wash. Handhole closure. 1,500,423; July 8.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 65,147; July 8.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 65,148; July 8.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 65,149; July 8.
Shimizu, Tokuta, Los Angeles, Calif. Automobile fender. 1,500,730; July 8.
Shipley, Thomas, York, Pa. Method of and means for separating oil from the refrigerant in refrigerating systems. 1,500,279; July 8.
Shipley, Thomas, York, Pa. Means for separating oil from the refrigerant in refrigerating systems. 1,500,280; July 8.
Shipley, Thomas, York, Pa. Ice-can lifter. 1,500,903; July 8.
Shipley, Thomas, York, Pa. Ice-can lifter. 1,500,904; July 8.
Short, William I., Clayton, Mo. Piston. 1,500,853; July 8.
Shuman, Frederick W., South Bend, Ind. Seat. 1,500,338; July 8.
Simmons, Samuel. (See McElvar, C., and Simmons.)
Simonson, Leo B., New York, N. Y. Hair-drier-heater ignition device. 1,500,648; July 8.
Simonson, Leo B., New York, N. Y. Manicuring table. 1,500,649; July 8.
Skelly, Bernard H., Bridgeport, Conn. Traffic signal for automobiles. 1,500,210; July 8.
Sladek, Charles J., Chicago, Ill. Figure wheeled toy. 1,500,897; July 8.
Slezinsky, Frank L., Kingsville, Tex. Orchard heater. 1,500,962; July 8.
Small, Frank E., assignor to N. M. Small, Jamaica, Long Island, N. Y. Toothbrush shield attachment. 1,501,020; July 8.
Small, Nancy M. (See Small, Frank E., assignor.)
Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Loose-sheet binder. 1,500,339; July 8.
Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Printing machine. 1,500,424; July 8.
Smith, Archie Y., Rocklyn, Wash. Roadside weed burner. 1,500,340; July 8.
Smith, Douglas B., San Francisco, Calif. Transmission refining band. 1,500,341; July 8.
Smith, Henry L., et al. (See Sundstrand, Oscar J., assignor.)
Smith, Henry L., Paterson, N. J. Vehicle bumper. 1,500,650; July 8.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,500,773; July 8.
Smith, Milton H., Detroit, Mich. Valve construction. 1,500,342; July 8.
Smith, Stella. (See Thurman, W., and Smith.)
Smith, William R., Buffalo, N. Y. Glass-making apparatus. 1,500,651; July 8.
Snodgrass, Leslie M., Milwaukee, Wis. Key-retaining device. 1,500,774; July 8.
Société Chimique des Usines du Rhône. (See Bouvier, M. E., and Blanc, assignors.)
Sonner, Carl, New York, assignor to P. Berdar, Queens, N. Y. Valve. 1,500,775; July 8.
Southard, Thomas W., Kansas City, Mo. Poultry feed trough. 1,500,343; July 8.
Southwick, William S., Clinton, assignor to Wickwire Spencer Steel Corporation, Worcester, Mass. Wire-filling cutter for wire-fabric looms. 1,500,652; July 8.
Speegle, William A., assignor of one-eighth to W. E. Wilson, Morganton, N. C. Combined drill and grinding machine. 1,500,963; July 8.
Speidel, Charles F., assignor to Eastman Kodak Company, Rochester, N. Y. View finder. 1,500,344; July 8.
Spiro, Walter J., White Plains, N. Y. Engine starter. 1,500,653; July 8.
Spiro, Walter J., White Plains, N. Y. Windshield cleaner. 1,500,654; July 8.
Sponseller, Niles A. (See Cosgrove, T., jr., and Sponseller.)
Spooner, Henry W., Brooklyn, N. Y. Conveyer system. 1,500,776; July 8.
Springfield Motor Sweeper Company, The. (See Greiner, C. F., and Aitken, assignors.)
Springstead, Franklin S., Rochester, N. Y. Shock absorber. 1,500,655; July 8.
Spurrier, William W., St. Louis, assignor of thirty-eight per cent to B. F. Schuetz, Jefferson City, Mo. Sliding lock. 1,500,345; July 8.
Stafford Company, The. (See Jackson, Simeon S., assignor.)
Standard Manufacturing Company. (See Wilmoth, Frank, assignor.)
Standard Thermometer Company. (See Adair, Thomas D., jr., assignor.)
Stanley Works, The. (See Parsons, Stuart W., assignor.)
Starks, Lyman O., Burlington, Iowa. Sacker. 1,500,964; July 8.
Starnes, Rufus E., Mount Holly, N. C. Nipper cam for whitin combers. 1,500,281; July 8.
Starr, Fred, Oakland, Calif. Child's occupant-propelled vehicle. 1,500,854; July 8.
Starrett, Henry F., assignor to Starrett Manufacturing Company, Chicago, Ill. Panel board and panel-box construction. 1,500,211; July 8.
Starrett Manufacturing Company. (See Starrett, Henry F., assignor.)
Statler, Arthur W., Denver, Colo. Brake-band lining. 1,500,212; July 8.

Stauffen, Frederick C., Baltimore, Md., assignor to Union Shipbuilding Company. Hauling-out system for scrapping vessels and apparatus for the same. 1,500,282; July 8.

Steinmetz Electric Motor Car Corporation. (See Stoppenbach, D. C., assignor.)

Sterling Bronze Company. (See Roth, Louis, assignor.)

Stevenson, Paul R., Columbus, Ohio. Permanent test and practice form. 1,500,777; July 8.

Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)

Stinson, Hugh S., Minneapolis, Minn. Carbonating apparatus. 1,500,283; July 8.

Stockfleth, John, Crockett, Calif. Concrete piling. 1,500,346; July 8.

Stolberg, Otto H., San Francisco, Calif. Permutation lock. 1,500,656; July 8.

Stolberg, Otto H., San Fmacisco, Calif. Permutation lock. 1,500,657; July 8.

Stoppenbach, Donald C., assignor to Steinmetz Electric Motor Car Corporation, New York, N. Y. Motor-vehicle construction. 1,500,160; July 8.

Stover, Paul A., Racine, Wis. Automobile signal lamp. Des. 65,150; July 8.

Streng, Frank S., Strattonville, Pa. Transmission gearing. 1,500,965; July 8.

Strmic, John M., Chicago, Ill. Feed gauge for printing presses. 1,500,658; July 8.

Strouse-Baer Company. (See Baer, Abram K., assignor.)

Struble, Jacob B. (See Page, S. H., and Struble.)

Stubbs, James W., Steubenville, Ohio. Bar-piling apparatus. 1,500,533; July 8.

Stubbs, William L., Norfolk, Va. Hoist for motor vehicles. 1,500,284; July 8.

Stubbers, Joseph, assignor to The Incandescent Light & Stove Company, Cincinnati, Ohio. Filling can. 1,500,347; July 8.

Sturgeon, Robert A. (See Gwynne, A. L., and Sturgeon.)

Suddard, Thomas W., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Roller. 1,500,659; July 8.

Sullivan, Herbert W., London, England. Telegraph cable. 1,500,660; July 8.

Sullivan, Joseph M., Detroit, Mich. Valve. 1,500,686; July 8.

Sullivan Machinery Company. (See Allison, David S., assignor.)

Sullivan Machinery Company. (See Ball, Albert, assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Suloff, Noah H., et al. (See Evers, William H., assignor.)

Sumner, William C. (See Amsler, Stefan, assignor.)

Sundstrand, Oscar J., Rockford, assignor of one-half to H. L. Smith, Chicago, and one-half to E. G. Peterson, Rockford, Ill. Pneumatic lifting jack. 1,500,661; July 8.

Supinger, Etta E., Richmond, Va. Pneumatic loading and unloading apparatus. 1,500,966; July 8.

Sutton-Abramsen Engineering Company. (See Wise, George A., assignor.)

Swafford, Mortimer H. (See Wagoner, George H., assignor.)

Swift, Edwin H., Brooklyn, N. Y. Induction-tube furnace blast blower. 1,500,534; July 8.

Sykes, Gerald B., Cleckheaton, England. Sparking plug for internal-combustion engines. 1,500,161; July 8.

Tabulating Machine Company, The. (See Lake, Clair D., assignor.)

Tackabery, Claud M., assignor of one-half to J. W. Baker, Portland, Oreg. Fuel feed for furnaces. 1,500,348; July 8.

Taggart, Claude, Martinsville, Ill. Clover harvester. 1,500,535; July 8.

Tarwater, John G., Warrenton, N. C. Valve-operating means. 1,500,778; July 8.

Tate, Benjamin E. (See Miller, Fred. A., assignor.)

Tate, James E., Elberton, Ga. Boll-weevil destroyer. 1,500,162; July 8.

Tate, James E., Elberton, Ga. Skillet. 1,500,163; July 8.

Taubel, Edward C., Norristown, Pa. Knitted fabric. 1,500,164; July 8.

Taylor, Archie, Scotch Plains, N. J. Valve lifter. 1,500,536; July 8.

Taylor, Herbert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power-transmitting mechanism. 1,500,687; July 8.

Taylor, William A., Detroit, Mich. Fly-screen slide. 1,500,779; July 8.

Taylor, William O. (See Howie, K., and Taylor.)

Terkelsen, Andrew. (See Derry, Jasper, assignor.)

Terlizzi, Thomas D., Worcester, Mass. Folding bumper for automobiles. 1,500,285; July 8.

Terriault, Joseph A. O., Ottawa, Ontario, Canada. Water heater. 1,500,286; July 8.

Thew Shovel Company, The. (See Weber, Charles A., assignor.)

Thimmeway Titles, Inc. (See Hood, Harrison H., assignor.)

Thomas, Edgar, Jarrow-on-Tyne, England. Gas-mixing device. 1,500,905; July 8.

Thompson, Bert E., and T. A. Green, assignors to Metal Auto Parts Company, Indianapolis, Ind. Metal bending and shaping machine. 1,500,906; July 8.

Thompson, Nathaniel A., Kansas City, Kans. Waterproofing for cloth. 1,500,537; July 8.

Thomsen, Fred F., Omaha, Nebr. Direction signal for vehicles. 1,500,967; July 8.

Thomson, Edward H. (See Conover, Kenneth W., assignor.)

Thorens, Hermann, Sainte-Croix, Switzerland. Automatic lighter. 1,500,780; July 8.

Thorpe, Townsend, Wilmington, Del. Safety razor. 1,500,165; July 8.

Thurman, Wesley, and S. Smith, Virginia, Minn. Windshield attachment. 1,500,425; July 8.

Tin Decorating Company of Baltimore, The. (See Herman, Henry, assignor.)

Tisch, George C. L., assignor to Tisch Machine Die Works, Elizabeth, N. J. Pusher for knitting machines. 1,500,968; July 8.

Tisch Machine Die Works. (See Tisch, George C. L., assignor.)

Topham, Laurence E., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Inseam-sewing machine. 1,500,688; July 8.

Torresson, Albert, Woodhaven, and C. H. Anderson, Pearl River, N. Y. Auxiliary furnace front. 1,500,473; July 8.

Tove, Riven, South Norwalk, Conn. Corset stay. 1,500,474; July 8.

Townsend, Sewell H., Bucklin, Mo. Combination pencil case and stylus. 1,500,426; July 8.

Trève, Maurice, Paris, France. Fastening for electric insulators. 1,500,689; July 8.

Tucker, Stephen C., assignor of one-third to G. W. Farmer, Atlanta, Ga. Clamp. 1,500,907; July 8.

Turner, Charles G., Atlanta, Ga. Oven and display device. 1,500,855; July 8.

Turner, Ernest J. (See Howard, B. H., and Turner.)

Turner, Francis E., Crescent City, Calif. Safety device for engine cranking. 1,500,781; July 8.

Tyson, Frederick S., Lock Haven, Pa. Fastener. 1,500,475; July 8.

Underwood Typewriter Company. (See Helmond, William F., assignor.)

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Union Shipbuilding Company. (See Stauffen, Frederick C., assignor.)

Unit Player Action Co., The. (See Hulder, Joseph P., assignor.)

United Engineering and Foundry Company. (See Biggert, Florence C., jr., assignor.)

United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)

United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)

United Shoe Machinery Corporation. (See Dyer, Newell V., assignor.)

United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)

United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)

United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)

United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

United States Fastener Company. (See Holmes, George A., assignor.)

U. S. Tool Manufacturing Company. (See Pollak, James I., assignor.)

Universal Gypsum Company. (See Haggerty, Joseph F., assignor.)

Vacuum Groove Piston Ring Corporation. (See Pillar, Oscar, assignor.)

Valkenburgh, Johannes F., The Hague, Netherlands. Instrument for dividing and multiplying angles. 1,500,427; July 8.

Van Derson, Curtis A., Modesto, Calif. Valve. 1,500,908; July 8.

Vanderveld, Anthony, Grand Rapids, Mich. Antispinning device for cloth-measuring machines. 1,500,349; July 8.

Van Ranst, Cornelius W., Detroit, Mich. Valve-operating mechanism. 1,500,166; July 8.

Vansickle, Fred M., Lewiston, Idaho. Vehicle wheel. 1,500,350; July 8.

Vassar, F. E. (See Hollenbeck, Albert H., assignor.)

Veglard, Harry E., Rochester, N. Y. Sailing game. 1,500,782; July 8.

Venditti, Gaston, Paris, France. Thread-tacking machine. 1,500,969; July 8.

Venus Hat Co. (See Diamond, Henry, assignor.)

Vesely, Stanley J., Cedar Rapids, Iowa. Shock absorber. 1,500,351; July 8.

Vester, Alfred, Sons, Inc. (See McFadden, Glenn E., assignor.)

Victorsohn, Morris, Brooklyn, N. Y. Hand lever for motor resetters. 1,500,909; July 8.

Villiamo, Mark A., New Castle, Pa. Catchup-making machine. 1,500,690; July 8.

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,500,662; July 8.

Vineyard, R. E. (See Glueck, Charles, assignor.)

Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. 1,500,167; July 8.

Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Lock. 1,500,168; July 8.

Vosburg, Alan E., and R. B. Whitney, Detroit, Mich., assignors to A. V. Hannifin, Chicago, Ill. Boring bar and the like. 1,500,691; July 8.

Vreeland, Frederick K., Montclair, N. J. Interference prevention in radioreception. 1,500,476; July 8.

Waddington, Donald H. (See Whitted, John B., assignor.)

Wagner, William F., assignor of thirty-five per cent to A. W. Pearsons, San Diego, Calif. Timer. 1,500,970; July 8.

Wagoner, George H., assignor of one-half to M. H. Swafford, Chicago, Ill. Scrubbing machine. 1,500,892; July 8.

Waldo, Algermont H., St. Paul, Minn. Rug. Des. 65,151; July 8.

Waldo, Algermont H., St. Paul, Minn. Rug. Des. 65,153; July 8.

Waldo, Algermont H., St. Paul, Minn. Rug. Des. July 8.

Wales, Ralph W., Auburndale, Mass. Storage battery. 1,500,287; July 8.

Walker, Charles I., Los Angeles, Calif. Door-locking mechanism. 1,500,169; July 8.

Walker, James, Nettleton, Pa. Coal-mining machine. 1,500,352; July 8.

Walker, James W., administrator. (See Severson, Thomas.)

Wallace, William, Oldham, England. Friction clutch. 1,500,971; July 8.

Walsh, Timothy D., Los Angeles, Calif. Vibrating screen. 1,500,856; July 8.

Walton, Thomas, London, England. Rotary lithographic printing machine. 1,500,430; July 8.

Ward, Montague W. (See Gannon, J. E., and Ward.)

Warncke, Henry E., Norwalk, assignor to Fairfield Battery Company, South Norwalk, Conn. Dry battery. 1,500,477; July 8.

Wasia, Martha J., and L. L. Carr, Dickens, Nebr. Hand bag. Des. 65,154; July 8.

Wasson, Robert B., Cranford, N. J. Piston-ring joint. 1,500,693; July 8.

Waterford Art Papers, Inc. (See Reed, Frederic P., assignor.)

Waterloo Saddlery Company. (See Grings, Casper H., assignor.)

Wathey, Arthur, Cleveland, Ohio. Stoker cylinder. 1,500,972; July 8.

Wearham, Gordon A., London, England. Means for releasably suspending a mass and for like purposes. 1,500,973; July 8.

Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Anvil block. 1,500,213; July 8.

Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)

Weber, Charles A., assignor to The Thew Shovel Company, Lorain, Ohio. Crane mechanism. 1,500,783; July 8.

Weber, Jacob, New York, N. Y. Window. 1,500,288; July 8.

Weber, Josef, Essen, Germany. Process for the production of an alkali-metal sulphate and hydrochloric acid. 1,500,289; July 8.

Webster, Fred L., Adams, N. Y. Machine for drying fruit and vegetables. 1,500,974; July 8.

Weitling, William W., College Point, N. Y. Centrifugal casting. 1,500,428; July 8.

Wellman-Seaver Morgan Company. (See Rogers, J. F., Douglas, and Benjamin, assignors.)

Werner, Walter, assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Paper-making machinery. 1,500,170; July 8.

Wasson, Clyde A., Atlanta, Ga. Vehicle direction indicator. 1,500,910; July 8.

West, Lewis S., Rochester, N. Y. Refrigerator-car construction. 1,500,171; July 8.

West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)

Westberg, Gustavus E. (See Chadwick, W. E., and Creighton, assignors.)

Western Electric Company. (See Richard, Charles D., assignor.)

Western Electric Company, incorporated. (See Taylor, Herbert B., assignor.)

Weyerhaeuser Forest Products. (See Knowlton, Harry N., assignor.)

Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Visible-flow fuel-feeding device for automobile engines. 1,500,429; July 8.

Whidden, Austin C., Los Angeles, Calif. Variable fluid-supplying device. 1,500,694; July 8.

Whipple, Raymond T., San Francisco, Calif. Automatic brake-rod take-up. 1,500,695; July 8.

Whitaker, Henry H., Titusville, Fla. Railway-rail construction. 1,500,911; July 8.

White, Alfred B., et al., administrators. (See Preston, Albert F.)

White, Harry F., Denver, Colo. Foot warmer. 1,500,696; July 8.

White, Henry H., Muskogee, Okla. Power-delivering attachment for motor vehicles. 1,500,172; July 8.

Whitney, Robert B. (See Vosburg, A. E., and Whitney.)

Whitted, John B., Roland Park, Baltimore, assignor of twenty-four and eight-tenths per cent to J. H. Miller and twenty-four and eight-tenths per cent to D. H. Waddington, Baltimore, Md. Vacuum-operated mechanism. 1,500,975; July 8.

Wiborg, Abner H., Buffalo, N. Y. Pump. 1,500,290; July 8.

Wickwire Spencer Steel Corporation. (See Southwick, William S., assignor.)

Widger, Frank V., Chicago, Ill. Reversing gearing. 1,500,697; July 8.

Wiehl, Alfred, Brooklyn, N. Y. Phonograph record and making the same. 1,500,698; July 8.

Wiese, Emil A., West Hoboken, and O. A. Wiese, Union Hill, N. J. Theft-alarm carrier. 1,500,976; July 8.

Wiese, Oscar A. (See Wiese, Emil A. and O. A.)

Wigzell, Hubert, Marathon, Tex. Float valve. 1,500,784; July 8.

Wildman Mfg. Co. (See Howie, K., and Taylor, assignors.)

Wiley, Samuel, Metuchen, N. J. Projector. 1,500,214; July 8.

Willard, Theodore A., Cleveland Heights, Ohio. Separator. 1,500,353; July 8.

Williams, Lewis G., Godrergraig, Wales. Lamp for vehicle headlights and the like. 1,500,912; July 8.

Williams, Lloyd M., and P. J. Williams, San Francisco, Calif. Accelerator. 1,500,354; July 8.

Williams, Percy J. (See Williams, Lloyd M. and P. J.)

Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Wheel rim. 1,500,291; July 8.

Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Metal rim and disk wheel. 1,500,292; July 8.

Willis, Sherman, Portsmouth, Ohio, assignor, by mesne assignments, to P. R. Glass Company, Boston, Mass. French-binding-folding machine. 1,500,215; July 8.

Willys Corporation. (See Sergardi, Fabio, assignor.)

Wilmoth, Frank, Midlothian, assignor, by mesne assignments, to Standard Manufacturing Company, Dallas, Tex. Boll-weevil catcher. 1,500,538; July 8.

Wilson, Walter E. (See Speegle, William A., assignor.)

Winans, Henry E., Alton, Ill. Firearm. 1,500,293; July 8.

Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Truck. 1,500,173; July 8.

Wise, George A., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa. Bar-straightening machine. 1,500,174; July 8.

Witty, George, New York, assignor of one-half to F. I. Powers, Brooklyn, N. Y. Strong or safety box. 1,500,977; July 8.

Witwer, Andrew S., Joliet, Ill. Separable fastener. 1,500,699; July 8.

Wolf, Albert, Berlin, Germany. Fire-extinguishing device. 1,500,431; July 8.

Womack, Samuel W., Quanah, Tex. Cooler and humidifier. 1,500,978; July 8.

Wood, Ernest, Yorkton, Saskatchewan, Canada. Water gauge. 1,500,294; July 8.

Woodruff, Robert L., Winder, Ga. Insect-destroying machine. 1,500,857; July 8.

Wood Shovel and Tool Company, The. (See Brandenburg, Francis C., assignor.)

Woods, Charles S., Indianapolis, Ind. Stretcher. 1,500,858; July 8.

Woods, S. A., Machine Company. (See Osteman, Carl G., assignor.)

Wright, Charles V., Tamaqua, Pa. Lifting jack. 1,500,859; July 8.

Wyner, Felix, New York, N. Y., assignor to Phenix Cheese Company. Folding mechanism for packaging machine. 1,500,478; July 8.

Yeager, Roy V., Des Moines, Iowa. Force-feed lubricating device. 1,500,355; July 8.

Yo, Seigo, Tokyo, Japan, assignor to General Electric Company. Electric control system. 1,500,860; July 8.

Young, Charles, New York, N. Y. Combined display and shipping container. 1,501,016; July 8.

Young, J. L., et al. (See Larson, Christian H., assignor.)

Zacharias, Frederick, and E. Manheimer, New York, N. Y. Means for supporting the upper stories of a building. 1,500,216; July 8.

Zbinden, Eugen, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Cylinder and head construction. 1,500,861; July 8.

Zeigler, Alfred A. (See Kallenbach, W. H., and Bertsch, assignors.)

Zeman, Edward, Woodside, N. Y. Switch lock. 1,500,479; July 8.

Zeumer, Arthur G., Markranstadt, Germany. Machine for removing bristles from skins or hides. 1,500,356; July 8.

Zichman, August, New York, N. Y. Spring fork for motor cycles and the like. 1,500,480; July 8.

Zilk, Roy D. (See Enax, O., and Zilk.)

Zophy, Clement, West Allis, Wis. Cement-block machine. 1,500,295; July 8.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator. L. M. and P. J. Williams. 1,500,354; July 8.
Adding machine. T. E. Cherry. 1,500,606; July 8.
Address-plate holder. C. Chisholm. 1,500,438; July 8.
Advertising device. J. A. Murnin. 1,500,884; July 8.
Aerial standard. D. Paske. 1,500,841; July 8.
Aeroplane. G. and U. Antoni. 1,500,358; July 8.
Air, Apparatus for conditioning. C. B. Ingersoll. 1,500,624; July 8.
Aircraft, Brake for. R. Ellsdorf. 1,500,184; July 8.
Aircraft-wing construction. J. P. Glasby, jr. 1,500,810; July 8.
Air lifts, Control system for. W. H. Elbelt and C. H. Brooks. 1,500,703; July 8.
Airplane-wing spar. V. E. Clark. 1,500,235; June 8.
Alarm: *See*—
Fire alarm.
Album, Loose-leaf. J. M. Alter. 1,500,098; July 8.
Alkali-metal sulphate and hydrochloric acid, Production of an. J. Weber. 1,500,289; July 8.
Alloys, Manufacture of lead. W. and H. Mathesius. 1,500,954; July 8.
Aluminum chloride, Distillation with. A. M. McAfee. 1,501,014; July 8.
Amusement apparatus. H. S. Anderson. 1,500,788; July 8.
Anæsthetizing apparatus. J. A. Heidbrink. 1,500,614–15; July 8.
Anchor, Rail. C. Blake. 1,500,224; July 8.
Angles, Instrument for dividing and multiplying. J. F. Valkenburgh. 1,500,427; July 8.
Animal cover. W. E. Hamlin. 1,500,316; July 8.
Animal trap. W. Preston. 1,500,332; July 8.
Annealing leer. H. L. Dixon. 1,500,609; July 8.
Antitoxins, Producing. R. Deutschmann and W. Kotzenberg. 1,500,985; July 8.
Anvil. C. M. Curry. 1,500,926; July 8.
Anvil block. I. A. Weaver. 1,500,213; July 8.
Armature and coil winding machine. P. E. Chapman. 1,500,181; July 8.
Armrest. W. E. Phillips. 1,500,524; July 8.
Article carrier and display device. J. Brockley. 1,500,544; July 8.
Auto wheel. W. Popendick. 1,500,716; July 8.
Automobile accessory. J. Medley. 1,501,015; July 8.
Automobile air wheel. J. Hayes. 1,500,317; July 8.
Automobile camping top, Automatic adjustable. L. B. Cassell. 1,500,573; July 8.
Automobile direction signal. W. M. Collins. 1,500,440; July 8.
Automobile engines, Visible-flow fuel-feeding device for. L. H. Wheeler. 1,400,429; July 8.
Automobile fender. T. Shimizu. 1,500,730; July 8.
Automobile lock. H. Mayer. 1,500,836; July 8.
Automobile pedal. S. I. Fekete and S. G. Baits. 1,500,305; July 8.
Automobile signal. W. Mehlhaf. 1,500,144; July 8.
Automobile signal lamp. P. A. Stover. Des. 65,150; July 8.
Automobile stand. J. Miller. 1,500,680; July 8.
Automobile traffic signal. O. Enax and R. D. Zilk. 1,500,489; July 8.
Automobile traffic signal. B. H. Skelly. 1,500,210; July 8.
Automobile wheels, Attachment for. P. O. Melton and M. C. Lasell. 1,500,409; July 8.
Automobiles, Antiglare device for. E. B. Howell. 1,500,563; July 8.
Automobiles, Folding bumper for. T. D. Terlizzi. 1,500,285; July 8.
Automobiles, Gear-shift lock for. A. R. Long. 1,500,948; July 8.
Automobiles, Theft detector for. J. J. Michalski. 1,500,635; July 8.
Axle. W. M. Britton. 1,500,436; July 8.
Balance machine. H. Heymann. 1,500,454; July 8.
Ball. A. J. Eldon. Des. 65,111; July 8.
Ball-bearing head. F. S. Morton. 1,500,516; July 8.
Balls, Machine for cleaning. B. R. Mudra. 1,500,684; July 8.
Bank. P. A. Holmes. 1,500,929; July 8.
Banner, Convention. D. W. Chandler, jr. Des. 65,100; July 8.
Bar-piling apparatus. J. W. Stubbs. 1,500,533; July 8.
Barrel construction. R. J. Bell. 1,500,917; July 8.
Bar-straightening machine. G. A. Wise. 1,500,174; July 8.

Basin, Ear. F. A. Davies and C. L. Rogers. 1,500,927; July 8.
Bathtub. H. Gorman. 1,500,557; July 8.
Bathtub legs, Fastener for. E. A. Hibler and L. Brown. 1,500,131; July 8.
Battery: *See*—
Dry battery. Storage battery.
Battery boxes, Carrier for miners'. C. McElvar and S. Simmons. 1,500,510; July 8.
Battery posts and threads, Method and means for replacing. J. C. Ball. 1,500,605; July 8.
Bearing. C. G. Osteman. 1,500,523; July 8.
Bearing, Antifriction. J. F. O'Connor. 1,500,149; July 8.
Bearing, Antifriction side. J. F. O'Connor. 1,500,145; July 8.
Bearing for the guidance and lateral support of gas holders. R. W. Broadhead. 1,500,796; July 8.
Bed, Automobile. F. W. Horton. 1,500,872; July 8.
Bed construction. A. Mestas. 1,500,956; July 8.
Belt-fastening device. B. E. Reed. 1,500,153; July 8.
Belt-shifting mechanism. R. R. Cummins and R. W. Kremer. 1,500,238; July 8.
Belt slide. M. Mabon. Des. 65,128; July 8.
Belt slide. L. W. Shields. Des. 65,148–9; July 8.
Belt-throwing device. J. J. Satern. 1,500,156; July 8.
Bench: *See*—
Shoe-polishing bench.
Bias strips, Method and apparatus for cutting. M. A. Marquette. 1,500,632; July 8.
Binder, Loose-leaf. A. J. Lloyd and G. A. Olsen. 1,500,630; July 8.
Binder, Loose-leaf. G. A. Olsen. 1,500,682; July 8.
Binder, Loose-sheet. S. Smiley, jr. 1,500,339; July 8.
Binding-folding machine, French-. S. Willis. 1,500,215; July 8.
Bleaching fibrous material. V. Drewsen. 1,500,378; July 8.
Block: *See*—
Anvil block. Building block.
Board: *See*—
Ironing board. Plaster wall board.
Boiler: *See*—
Egg boiler. Steam boiler.
Boiler baffle and constructing same. J. H. Hinman. 1,500,815; July 8.
Boll-weevil catcher. F. Wilmoth. 1,500,538; July 8.
Boll-weevil destroyer. J. E. Tate. 1,500,162; July 8.
Boring bar and the like. A. E. Vosburg and R. B. Whitney. 1,500,691; July 8.
Boring machine, Gang. O. F. Carpenter. 1,500,231; July 8.
Bottle. A. J. Sanford. Des. 65,143–4; July 8.
Bottle attachment, Milk-. F. Mangner. 1,500,251; July 8.
Bottle filling and sealing machine. A. Calleson. 1,500,364; July 8.
Bottles, Making short-neck. H. O. Brawner. 1,500,484; July 8.
Bowl or similar article. W. Geib. Des. 65,113; July 8.
Box: *See*—
Dynamite box. Strong or safety box.
Locomotive driving box.
Box-hinging machine. H. Hermani. 1,500,617; July 8.
Bracket: *See*—
Lamp bracket.
Brake: *See*—
Hand brake.
Brake. W. J. Quinn. 1,500,717; July 8.
Brake and transmission band. A. J. Kirn. 1,500,396; July 8.
Brake-band lining. A. W. Statler. 1,500,212; July 8.
Brake-handle mechanism. J. M. Readey. 1,500,766; July 8.
Brake-rod take-up, Automatic. R. T. Whipple. 1,500,695; July 8.
Bread making. L. E. Buffington. 1,500,545; July 8.
Bread-slicing machine. H. E. Bjorlin. 1,500,434; July 8.
Brick, Checker. J. Hogbin and W. Lehman. 1,500,455; July 8.
Brick kilns, Collapsible arch form for. G. E. Luce. 1,500,949; July 8.
Brine for electrolysis, Purifying. H. H. Hanson, J. T. Leecock, and C. A. Blodgett. 1,500,126; July 8.
Bristles from skins or hides, Machine for removing. A. G. Zeumer. 1,500,356; July 8.

Broom, Garden. H. F. Congable. 1,500,441; July 8.
Brush, Chimney. T. Nelson. 1,500,886; July 8.
Buckle. S. D. Clark. 1,500,439; July 8.
Buckle. S. K. Redding and O. V. Lantis. 1,500,267; July 8.
Buckle, Belt. S. Buchsbaum. 1,500,362; July 8.
Buckle frame, Belt-. L. W. Shields. Des. 65,147; July 8.
Buckle frame, Belt-. M. Mabon. Des. 65,126–7; July 8.
Buckle frame, Belt-. W. Dieterich. Des. 65,110; July 8.
Buckle for cotton bales. H. M. Patrick. 1,500,684; July 8.
Buckle, Three-piece. S. Buchsbaum. 1,500,363; July 8.
Building block. J. Fuhrmann. 1,500,808; July 8.
Building, Means for supporting the upper stories of. F. Zacharias and E. Manheimer. 1,500,216; July 8.
Bumper mounting. R. B. Fageol. 1,500,380; July 8.
Bundling table. T. J. Maloney. 1,500,835; July 8.
Burner: *See*—
Fluid-fuel burner. Oil burner.
Gas burner. Weed burner.
Liquid-fuel burner.
Burner control, Suction. J. H. Hunt. 1,500,321; July 8.
Bushing remover. J. K. Robinson. 1,500,422; July 8.
Cabinet, Collapsible clothes. J. H. Hyams. 1,500,677; July 8.
Casting machine, Centrifugal. W. T. Janney. 1,500,707–8; July 8.
Calendar, Perpetual. D. R. Adams. 1,500,913; July 8.
Calendar. T. Midgley. 1,500,679; July 8.
Cam for Whitin combers, Nipper. R. E. Starnes. 1,500,281; July 8.
Camera bellows. C. E. Hutchings. 1,500,391; July 8.
Cannon, Infantry. T. Lafitte. 1,500,711; July 8.
Can: *See*—
Filling can. Oil can.
Can opener. T. H. Ross. 1,500,596; July 8.
Cap or crown puller. H. B. Moriarty. 1,500,881–2; July 8.
Car-journal-polishing device. E. C. Morrison. 1,500,198; July 8.
Car, Railway. C. J. Ellis. 1,500,118; July 8.
Car-unloading device. F. W. Cowie. 1,500,673; July 8.
Car-vestibule diaphragm. H. U. Morton. 1,500,591; July 8.
Cars, Brake rigging for railway. H. E. Anderson. 1,500,217; July 8.
Cars, Draft attachment for railway. G. B. Dorey. 1,500,578; July 8.
Cars, Resilient connecter for mine. J. F. O'Connor. 1,500,151; July 8.
Carbonating apparatus. H. S. Stinson. 1,500,283; July 8.
Carburetor. A. Shackleton and N. Ryersen. 1,500,647; July 8.
Card-holding device. F. J. Reynolds. 1,500,269; July 8.
Carrier: *See*—
Egg carrier. Theft-alarm carrier.
Casing elevator. G. Krell. 1,500,459; July 8.
Casket, Burial. M. J. MacDonald. 1,500,146; July 8.
Caster, Adjustable. C. R. Nalle. 1,500,465; July 8.
Caster socket. W. H. Noelting. 1,500,840; July 8.
Casting, Centrifugal. W. W. Weltling. 1,500,428; July 8.
Catalyst. M. E. Bouvier and E. Blanc. 1,500,794; July 8.
Catchup-making machine. M. A. Villiamo. 1,500,690; July 8.
Cellulose-ether composition. S. J. Carroll. 1,500,366; July 8.
Cement-block machine. C. Zophy. 1,500,295; July 8.
Centrifugal spinneret. J. P. Hooper. 1,500,931; July 8.
Chair and baby crib, Combination. L. B. Henry. 1,500,318; July 8.
Chain fastener. P. Jolin. 1,500,875; July 8.
Chandelier. M. Klein. Des. 65,122; July 8.
Change-making device. A. Papoulias. 1,500,262; July 8.
Character-holding device. H. H. Hood. 1,500,561; July 8.
Check-notching device. W. H. McFall. 1,500,950; July 8.
Cheese cutter. W. Bilodeau. 1,500,179; July 8.
Christmas tree, Artificial. W. Dieperink-Langereis. Des. 65,109; July 8.
Churn dasher. J. W. Lancaster. 1,500,326; July 8.
Cigar moistener. A. C. Herthel. 1,500,704; July 8.
Cigarette holder. C. A. Chantillis. 1,500,802; July 8.
Cigarette machines, Cutter head for. R. E. Rosewarne. 1,500,721; July 8.
Clamp: *See*—
Guy-line clamp.
Clamp. J. H. Bramhorst. 1,500,795; July 8.
Clamp. S. C. Tucker. 1,500,907; July 8.
Cleaner: *See*—
Spark-plug cleaner. Windshield cleaner.
Window cleaner.
Clock dial, Time-. H. B. Blanké. 1,500,701; July 8.
Cloth-measuring machines, Antispinning device for. A. Vanderveld. 1,500,349; July 8.
Clothesline prop. R. J. Riley. 1,500,530; July 8.
Clutch, Friction. W. Wallace. 1,500,971; July 8.
Coal-mining machine. J. Walker. 1,500,352; July 8.
Coal, Treating. T. Nagel. 1,500,256; July 8.
Coil system. R. H. Langley. 1,500,827; July 8.
Coin-controlled apparatus. J. N. Burno. 1,500,230; July 8.
Coin-controlled apparatus. M. O. S. Madsen. 1,500,462; July 8.
Coke-oven interlocking and signaling mechanism. F. K. Porter. 1,500,526; July 8.
Combination shovel. C. E. Hummelgard. 1,500,132; July 8.
Compass, Beam. H. J. Hurd. 1,500,623; July 8.
Concentrator. A. H. Hollenbeck. 1,500,192; July 8.
Concrete building construction. W. J. Dvorak. 1,500,445; July 8.
Concrete-building form. P. J. Hueber. 1,500,564; July 8.
Concrete construction, Metal falsework for. D. J. G. Fontaine. 1,500,121; July 8.
Concrete piling. J. Stockfleth. 1,500,346; July 8.
Concrete-roofing-tile machine. E. R. Jahna. 1,500,497; July 8.
Concrete walls, Apparatus for forming hollow. W. A. Otterson. 1,500,683; July 8.
Condenser, Variable electric plate. F. F. Rathbun. 1,500,528; July 8.
Connecting joint. W. T. Barnhill. 1,500,569; July 8.
Connecting rod. G. T. Morris. 1,500,515; July 8.
Container. B. F. Cummings. 1,500,301; July 8.
Conveyer system. H. W. Spooner. 1,500,776; July 8.
Cooler: *See*—
Milk cooler.
Cooling and humidifier. S. W. Womack. 1,500,978; July 8.
Cooling and dispensing device. F. L. Look. Des. 65,124; July 8.
Coop. S. S. Barker. 1,500,792; July 8.
Cord fabric, Manufacture of. M. Castricum. 1,500,232; July 8.
Corn-husking machine. E. S. Blauser. 1,500,542; July 8.
Corset. H. A. Colley. 1,500,109; July 8.
Corset stay. R. Tove. 1,500,474; July 8.
Cotton-opening machine, Vertical. R. S. Curley. 1,500,111; July 8.
Cotton picker. H. G. Irwin. 1,500,992; July 8.
Coupling: *See*—
Flexible coupling. Pump column coupling.
Pump coupling.
Crane mechanism. C. A. Weber. 1,500,783; July 8.
Crank-shaft and connection-rod bearing. J. W. Sewell. 1,500,902; July 8.
Cranking safety device, Engine-. F. E. Turner. 1,500,781; July 8.
Crate. H. N. Knowlton. 1,500,136; July 8.
Cretonne. J. C. Reznik. Des. 65,139; July 8.
Crossbar line switch. C. D. Richard. 1,500,593; July 8.
Cuff, Reversible. W. R. Cornelius. 1,500,370; July 8.
Cup: *See*—
Grease cup.
Curtain-rod leader. N. F. Mansure. 1,500,631; July 8.
Curtain support. W. E. Kurtz. 1,500,999; July 8.
Cutter: *See*—
Cheese cutter.
Cutter holder. O. L. Scalbom. 1,500,643–4; July 8.
Cutting mechanism. A. F. Preston. 1,500,638; July 8.
Cylinder and head construction. E. Zbinden. 1,500,861; July 8.
Cylinder lock. F. E. Best. 1,500,297; July 8.
Damper, Fireplace. A. P. Robinson. 1,500,154; July 8.
Dealcoholizing liquids. H. Heuser. 1,500,618; July 8.
Dental appliance. J. Chandler. 1,500,107; July 8.
Dental flask. W. M. Romine and W. J. Clark. 1,500,155; July 8.
Dental instrument and mirror. A. Campodonico. 1,500,798; July 8.
Dental supply holder, Sanitary. L. Kusnetz. 1,500,398; July 8.
Dilute permanent turbid emulsions, Making. M. De Groote. 1,500,670; July 8.
Direction signal. P. Z. Nicholas. 1,500,521; July 8.
Dish or similar article. L. C. and C. J. Giometti. Des. 65,115; July 8.
Disk wheel, Reversible. A. L. Putnam. 1,500,333; July 8.
Dispensing apparatus, Coin-controlled mechanism for. W. R. Love. 1,500,195; July 8.
Dispensing device. I. C. Shalkop. 1,500,159; July 8.
Dispersoids, Process and apparatus for the manufacture of. H. Plauson. 1,500,845; July 8.
Display and shipping container, Combined. C. Young. 1,501,016; July 8.
Display fixtures, Pedestal for merchandise. W. C. Candlish. Des. 65,099; July 8.
Doll. E. J. Loubet. Des. 65,125; July 8.
Doorlocking mechanism. C. I. Walker. 1,500,169; July 8.
Drawing instrument. A. W. Keuffel. 1,500,246; July 8.
Drier: *See*—
Peat drier.
Drier. S. G. Bonaparte. 1,500,862; July 8.
Drill and grinding machine, Combined. W. A. Speegle. 1,500,963; July 8.
Drinking fountains, Bubbler head for. T. E. Bart. 1,500,178; July 8.
Driving element, Flexible. W. R. Keen. 1,500,458; July 8.
Dry battery. H. E. Warncke. 1,500,477; July 8.
Drying apparatus. J. L. Buckley. 1,500,923; July 8.
Drying apparatus. F. P. Reed. 1,500,592; July 8.
Ductile bodies of high-fusing metals and alloys of same, Electrometallurgical process for manufacture of. E. Aoyagi. 1,500,789; July 8.

Duralumin constructions, Fitting for. A. Rohrbach. 1,500,595; July 8.
Dust remover. W. A. Matz. 1,500,955; July 8.
Dynamite box. L. Hammond. 1,500,559; July 8.
Dyes and making same. R. Arnot. 1,500,915; July 8.
Dyestuff, Oil-soluble. H. Clauson. 1,500,844; July 8.
Dyeing apparatus, Warp-. H. M. Chase and G. W. Robertson. 1,500,299; July 8.
Edible food product. F. G. Matson. Des. 65,129; July 8.
Egg boiler. A. C. Parodi. 1,500,958; July 8.
Egg carrier. M. Kasser. 1,500,876; July 8.
Egg-crate unpacking and repacking apparatus. D. A. Howell. 1,500,939; July 8.
Electric-circuit protective device. D. K. Lippincott. 1,501,018; July 8.
Electric-circuit protective device. D. K. Lippincott. 1,501,019; July 8.
Electric conductors, Snap clamp for tapping. T. F. Johnson, jr. 1,500,498; July 8.
Electric control system. S. Yō. 1,500,860; July 8.
Electric-light bracket. C. B. Rogers. Des. 65,141; July 8.
Electric lights, Ceiling fixture for. C. B. Rogers. Des. 65,140; July 8.
Electric machines, Method of and apparatus for modifying the characteristics of asynchronous dynamo-. C. Macmillan. 1,500,834; July 8.
Electric-motor mechanism. G. R. Kunkle. 1,500,825; July 8.
Electric switch. M. R. Kimbrell. 1,500,944; July 8.
Electric switch. C. W. Matson. 1,500,512; July 8.
Electric switch. A. H. Nero. 1,500,887–8; July 8.
Electric switch for heavy electric currents. M. Rall and R. Maier. 1,500,847; July 8.
Electrical apparatus, Incased. W. S. Moody. 1,500,837; July 8.
Electrical conductors, Clamp for. T. F. Johnson, jr. 1,500,499; July 8.
Electrical connecter. G. O. Sabourin. 1,500,641; July 8.
Electromagnetic switch. E. R. Carichoff and B. W. Jones. 1,500,800; July 8.
Elevator: *See*—
Casing elevator.
Elevator cars, Safety appliance for. S. L. McKinney. 1,501,024; July 8.
Elevators and the like, Cable equalizer for. J. W. Hobbs. 1,500,816; July 8.
Embossing machine. E. H. Reiber. 1,500,961; July 8.
Engine: *See*—
Fluid-pressure engine.
Internal-combustion engine.
Engine starter. W. J. Spiro. 1,500,653; July 8.
Engines, Combination lock and emergency brake for internal-combustion. V. Griffith. 1,500,449; July 8.
Engines, Sparking plug for internal-combustion. G. B. Sykes. 1,500,161; July 8.
Engines, Valve-operating means for internal-combustion. W. M. Goodwin. 1,500,556; July 8.
Eraser. L. D'Hondt. 1,500,550; July 8.
Excavating shovel or scraper. W. F. Carlberg. 1,500,104; July 8.
Exhibitor, Changeable. J. F. Ryan. 1,500,896; July 8.
Explosion-preventing device. R. T. F. Dodds. 1,500,610; July 8.
Fabric: *See*—
Knitted fabric.
Fanning mill. G. Schick. 1,500,275; July 8.
Fastener. F. S. Tyson. 1,500,475; July 8.
Fastener, Separable. A. S. Witwer. 1,500,699; July 8.
Feeders and ingot molds, Pouring pot for. B. H. Howard and E. J. Turner. 1,500,731; July 8.
Feeders, Pouring pots used in connection with hot top. B. H. Howard and E. J. Turner. 1,500,732; July 8.
Felting and recessing machine. J. K. Shaw. 1,500,209; July 8.
Fencepost, Metal. R. C. Knoppe. 1,500,135; July 8.
Fender: *See*—
Automobile fender.
Fiber board having ornamental surfaces. J. K. Shaw. 1,500,207; July 8.
Fiber boards, Process of and apparatus for making. J. K. Shaw. 1,500,208; July 8.
Filling can. J. Stubbers. 1,500,347; July 8.
Filter, Air. A. Jordahl. 1,500,586; July 8.
Filter, Dry. B. S. Harrison. 1,500,128; July 8.
Filter-press cloth. H. C. Hale. 1,500,124; July 8.
Fire alarm. A. S. Martin. 1,500,408; July 8.
Fire-alarm device. A. C. Lanese. 1,500,399; July 8.
Firearm. H. E. Winans. 1,500,293; July 8.
Fire escape. J. D. Jolkovski. 1,500,943; July 8.
Fire extinguisher, Portable. F. E. Krauss. 1,500,946; July 8.
Fire-extinguishing device. A. Wolf. 1,500,431; July 8.
Fish-stringing device. R. L. Halloway. 1,500,613; July 8.
Fishing rods, Reel holder for. P. H. Hussey. 1,500,390; July 8.
Flask: *See*—
Dental flask.
Flexible coupling. J. N. Powers. 1,500,959; July 8.
Fluid-fuel burner. W. M. and M. M. Burdon. 1,500,103; July 8.
Fluid-pressure engine, Steam-hydraulic and other. J. E. Schumacher. 1,500,206; July 8.
Fluid-supplying device, Variable. A. C. Whildden. 1,500,694; July 8.
Flushing device. T. R. Beggs. 1,500,664; July 8.
Fly-screen slide. W. A. Taylor. 1,500,779; July 8.
Fly swatter. A. N. Cooper. 1,500,442; July 8.
Flying-machine construction. C. Dornier. 1,500,444; July 8.
Foot accelerator. E. J. Pfeiffer. 1,500,889; July 8.
Foot warmer. H. F. White. 1,500,696; July 8.
Foundation structure. C. H. Holdredge. 1,500,870; July 8.
Frame: *See*—
Implement frame.
Mop frame.
Picture frame.
Winding frame.
Frame corner. C. E. Kline. 1,500,824; July 8.
Fruit and vegetables, Machine for drying. F. L. Webster. 1,500,974; July 8.
Fruit picker. D. G. Leonard. 1,501,007; July 8.
Fur skins and product thereof, Cutting. H. A. Reich. 1,500,468; July 8.
Furnace arch. J. W. Gates. 1,500,123; July 8.
Furnace blast blower, Induction-tube-. E. H. Swift. 1,500,534; July 8.
Furnace front, Auxiliary. A. Torresson and C. H. Anderson. 1,500,473; July 8.
Furnace-roof construction. R. E. Griffith. 1,500,240; July 8.
Furnaces, Fuel feed for. C. M. Tackabery. 1,500,348; July 8.
Furnaces, Fuel-feeding mechanism for. C. I. Filson. 1,500,581; July 8.
Furnaces, Vent structure for. G. F. Lenk. 1,500,505; July 8.
Furniture combination, Foldable. C. Heumader. 1,500,388; July 8.
Furniture, Post-office. R. T. Bourn. 1,500,226; July 8.
Gaff, Adjustable. C. W. A. Koelkebeck. 1,500,501; July 8.
Game apparatus. J. H. Deen. 1,500,983; July 8.
Game counters, Device for holding perforated. L. W. Rice. 1,500,767; July 8.
Game device. J. W. Culp. 1,500,110; July 8.
Game indicator. C. McKay. 1,500,196; July 8.
Game, Sailing. H. E. Vegiard. 1,500,782; July 8.
Garment, Adjustable. A. K. Baer. 1,500,981; July 8.
Garment press. Y. Nakanishi. 1,500,714; July 8.
Garter or sleeve holder. J. L. Bishop. 1,500,223; July 8.
Gas appliances, Automatic cut-off for. G. F. Schwartz. 1,500,772; July 8.
Gas burner. E. C. Merrill. 1,500,513; July 8.
Gas-mixing device. E. Thomas. 1,500,905; July 8.
Gaseous atmosphere, Apparatus for the treatment of solid substances in a. A. Perczel. 1,500,715; July 8.
Gaseous fuel and producing same. J. R. Rose. 1,500,594; July 8.
Gauge: *See*—
Water gauge.
Gauge. H. Bacharach. 1,500,790; July 8.
Gear and forming the same, Noiseless. E. J. Guay. 1,501,026; July 8.
Gear and forming the same, Nonmetallic. E. J. Guay. 1,501,028; July 8.
Gear, Power reverse. M. H. Roberts. 1,500,685; July 8.
Gearing, Ball bearing for screw. F. G. B. Rödel. 1,500,270; July 8.
Gearing, Reversing. F. V. Widger. 1,500,697; July 8.
Gearing, Transmission. F. S. Streng. 1,500,965; July 8.
Gears and making same, Blank for. E. J. Guay. 1,501,027; July 8.
Gears, Die for rolling. H. N. Anderson. 1,500,567; July 8.
Glass caster. C. G. Overmyer. 1,500,199; July 8.
Glass-feeding mechanism. E. Miller. 1,500,879; July 8.
Glass-gauge protector. P. B. Huyette. 1,501,011; July 8.
Glass-making apparatus. W. R. Smith. 1,500,651; July 8.
Glass, Method of and apparatus for drawing sheet. R. L. and F. J. Frink. 1,500,381; July 8.
Golf-practice device. D. D. Dall. 1,500,183; July 8.
Gong, Self-winding. W. H. Kallenbach and C. C. Bertsch. 1,500,325; July 8.
Grading machine for granular material. D. B. Rush. 1,500,850; July 8.
Grain separator. L. D. Obert. 1,500,522; July 8.
Grate section. W. F. Bradley and J. W. Hulson. 1,500,920; July 8.
Grease cup. F. J. Lozo. 1,500,404; July 8.
Grease-cup caps, Attachable handle for. A. E. Little. 1,500,831; July 8.
Grinding balls or rollers, Method and device for. P. Brühl. 1,500,485; July 8.
Grinding machine. A. B. Fowler. 1,500,122; July 8.
Grinding machine. E. Lauer-Schmaltz. 1,500,401; July 8.
Gripping device for canning jars. M. Goldberg. 1,500,308; July 8.
Groove-cutting machine. O. Pillar. 1,500,637; July 8.
Gun mounting. F. W. Scarff. 1,500,726; July 8.
Guns, Trigger mechanism for. F. Bostley. 1,500,666; July 8.

Guy-line clamp. H. P. Cox and H. D. Daniels. 1,500,374; July 8.
Gyroscopes, etc., Synchronous transmission system for. A. P. Davis. 1,500,239; July 8.
Hair, Compound for treating. R. D. Muro and A. Lima y Boyz. 1,500,519; July 8.
Hair curler. C. E. Bradburn. 1,500,919; July 8.
Hair curler. H. L. Brann. 1,500,922; July 8.
Hand bag. M. J. Wasla and L. L. Carr. Des. 65,154; July 8.
Hand brake. H. E. Anderson. 1,500,099; July 8.
Handhole closure. J. C. Sherry. 1,500,423; July 8.
Handle. L. Roth. Des. 65,142; July 8.
Harmonic suppressor. L. Espenschied. 1,500,553; July 8.
Harness. L. H. Boyle. 1,500,360; July 8.
Hat-brim construction. H. Diamond. 1,500,577; July 8.
Harvester, Clover. C. Taggart. 1,500,535; July 8.
Headlight attachment, Automobile. D. A. Ritchie. 1,500,640; July 8.
Headlights and the like, Lamp for vehicle. L. G. Williams. 1,500,912; July 8.
Headlights, Glare preventer for. R. H. Ireland. 1,500,941; July 8.
Heater: *See*—
Liquid heater.
Orchard heater.
Water heater.
Heating elements, Support for corrugated. R. H. Rover. 1,500,895; July 8.
Heel, Shoe. W. H. Nutt. Des. 65,133; July 8.
Heel, Shoe. A. Posner. 1,500,421; July 8.
Helicopter. W. Brown. 1,500,572; July 8.
Helicopter. D. A. Flanigan. 1,500,807; July 8.
Hinge, Stop. S. W. Parsons. 1,501,013; July 8.
Hook. D. Fasold. 1,500,446; July 8.
Horse-collar pad. C. H. Gringe. 1,500,242; July 8.
Hose-wrapping machine. C. G. Cadden. 1,500,797; July 8.
Humidifying system. J. Armstrong. 1,500,481; July 8.
Hut for swine. J. D. Primm, sr. 1,500,266; July 8.
Hydrocarbon motor. H. D. Church. 1,500,668; July 8.
Hydrocarbon motor. L. C. Hill. 1,500,619; July 8.
Hydrocarbon motor. J. G. Vincent. 1,500,662; July 8.
Ice-can lifter. T. Shipley. 1,500,903–4; July 8.
Ice-cream cones and the like, Carrier for. W. L. Ewen. 1,500,611; July 8.
Ignition device, Hair-drier-heater. L. B. Simonson. 1,500,648; July 8.
Implement frame. R. C. Caughey. 1,500,367; July 8.
Index. J. H. Rand. 1,500,718; July 8.
Index, Card. J. H. Rand. 1,500,719; July 8.
Indicator: *See*—
Game indicator.
Vehicle direction indicator.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,733–7; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,740–2; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,744; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,746; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,748; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,750–1; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,753; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,755; July 8.
Ingot-mold feeder. B. H. Howard and E. J. Turner. 1,500,758–60; July 8.
Ingot-mold feeders, Method and apparatus for making. B. H. Howard and E. J. Turner. 1,500,739; July 8.
Ingot-mold feeders, Method and apparatus for making sectional. B. H. Howard and E. J. Turner. 1,500,738; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,743; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,745; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,747; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,749; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,752; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,754; July 8.
Ingot molds, Casting for feeders for. B. H. Howard and E. J. Turner. 1,500,756–7; July 8.
Ingot molds, Cover for feeders for. B. H. Howard and E. J. Turner. 1,500,761; July 8.
Ingot molds, Hot top feeder for. B. H. Howard and E. J. Turner. 1,500,762–3; July 8.
Injector. W. J. Fish. 1,500,986; July 8.
Injector, Oil. P. Eiduck. 1,500,702; July 8.
Insect-destroying machine. R. L. Woodruff. 1,500,857; July 8.
Insect trap. F. E. Mullen. 1,500,518; July 8.
Insecticide container and distributor. A. L. Milligan. 1,500,514; July 8.
Insulator, Link. E. M. Hewlett. 1,500,814; July 8.
Insulator, Supporting. W. D. Kyle. 1,500,626; July 8.
Insulators, Fastening for electric. M. Trève. 1,500,689; July 8.
Internal-combustion engine. H. Hernu. 1,500,319; July 8.
Internal-combustion engine. F. B. Morrison. 1,500,464; July 8.
Iron: *See*—
Soldering iron.
Ironing board. L. G. Fairchild. 1,500,554; July 8.
Ironing machine, Shirt-. P. M. Braun. 1,500,543; July 8.
Irrigation and planting furrows, Method and machine for digging. J. J. M. Elias. 1,500,864; July 8.
Jack: *See*—
Lifting jack.
Wheel-rim jack.
Jack. J. Cender. 1,500,604; July 8.
Jacket, Knitted. M. W. Brantman. Des. 65,096; July 8.
Jar or similar article. G. O. Brewster. Des. 65,098; July 8.
Joint: *See*—
Connecting joint.
Piston-ring joint.
Radiator-tube joint.
Rail joint.
Key holder. C. E. Bradshaw. 1,500,483; July 8.
Key retainer. W. L. Riley. 1,500,335; July 8.
Key-retaining device. L. M. Snodgrass. 1,500,774; July 8.
Kilns, Gasket for rotating. J. L. Lundberg. 1,500,589; July 8.
Knife. E. Lewis. 1,500,402; July 8.
Knitted fabric. E. C. Taubel. 1,500,164; July 8.
Knitting device. W. J. Gourie. 1,500,383; July 8.
Knitting machines, Pusher for. G. C. L. Tisch. 1,500,968; July 8.
Knitting needles, Method of and means for making spring-beard. J. Lawson and E. A. Quint. 1,500,627; July 8.
Labels or the like, Attaching. H. Ayliffe. 1,500,432; July 8.
Lace. C. W. Birkin and E. T. Sands. Des. 65,094–5; July 8.
Lace. S. H. Page. Des. 65,134; July 8.
Lace. G. Padford. Des. 65,135–8; July 8.
Lace. H. Seel. Des. 65,146; July 8.
Lacquering machine. W. H. Pond. 1,500,467; July 8.
Lactose or milk sugar from milk or whey, Recovering. R. W. Ryan. 1,500,770; July 8.
Lamp. L. Johnson. Des. 65,118; July 8.
Lamp. F. C. Monroe. 1,500,197; July 8.
Lamp-arm mounting. A. L. Dedl. Des. 65,104–7; July 8.
Lamp bracket, Sewing-machine. J. T. Price. 1,500,846; July 8.
Lamp, Electric. J. J. Rekar. 1,500,639; July 8.
Lamp for high light power, Pocket. W. Boehm. 1,500,180; July 8.
Lamp shade. M. Kirchman. Des. 65,119–20; July 8.
Lamp, Table. J. O. Paulson. 1,500,842; July 8.
Last. J. Cavanagh. 1,500,106; July 8.
Last. J. C. Schelter. 1,500,471; July 8.
Lathe, Automatic wood-turning. F. H. McLain. 1,500,250; July 8.
Lathes, Portable treadle. H. Coullery. 1,500,672; July 8.
Laundry marker. E. Lane. 1,501,000; July 8.
Laundry marker. E. Lane. 1,501,002–3; July 8.
Leather shoehorn. J. H. Davis. 1,500,928; July 8.
Lenses, Means for increasing the illuminating power for corrugated. H. P. Gage. 1,500,185; July 8.
Let-off. H. J. Sattler, sr. 1,500,273; July 8.
Level. J. M. Kelly. 1,500,710; July 8.
Lever for motor resetters, Hand. M. Victorsohn. 1,500,909; July 8.
Life preserver. A. Blankenhagen. 1,500,665; July 8.
Life-saving device. R. J. Kee. 1,500,823; July 8.
Lifter: *See*—
Ice-can lifter.
Valve lifter.
Lifting jack. C. V. Wright. 1,500,859; July 8.
Lifting jack, Pneumatic. O. J. Sundstrand. 1,500,661; July 8.
Lighter, Automatic. H. Thorens. 1,500,780; July 8.
Lighting fixture. H. R. Sargent. 1,501,029; July 8.
Lighting-fixture bracket. M. Klein. Des. 65,121; July 8.
Lighting fixture, Ceiling plate for a. F. S. Crowell. Des. 65,101–2; July 8.
Lighting-fixture ring. G. E. McFadden. Des. 65,131; July 8.
Light fixture, Trouble-. W. H. Clement, jr. 1,500,548; July 8.
Lighting fixtures, Plate for. G. E. McFadden. Des. 65,130; July 8.
Lighting fixtures, Spindle for. G. E. McFadden. Des. 65,132; July 8.
Liquid container with detachable top. C. S. Baron. 1,500,218; July 8.
Liquid from porous material containing the same, Extracting. J. E. Plumstead. 1,500,265; July 8.
Liquid fuel, Apparatus for burning. M. G. Delaney. 1,500,326; July 8.
Liquid-fuel burner. G. U. Morgan. 1,500,880; July 8.
Liquid heater. H. Junkers. 1,500,456; July 8.
Liquids, System of and apparatus for retaining. J. A. Chambers. 1,500,547; July 8.
Lock: *See*—
Automobile lock.
Cylinder lock.
Permutation lock.
Safety lock.
Sliding lock.
Spout lock.
Switch lock.
Window-lock.
Lock. L. G. Bowles. 1,500,435; July 8.
Lock. H. G. Voight. 1,500,167–8; July 8.

Lock and rein guard, Yoke-ring. E. Brougham. 1,500,228–9; July 8.
Locked adjustable device. H. A. Sévigné. 1,500,901; July 8.
Locomotive. S. S. McIntyre. 1,500,330; July 8.
Locomotive driving box. E. W. Rawdon. 1,500,720; July 8.
Locomotives, Water cooler for. R. Klingelhoffer. 1,500,996; July 8.
Looms, Feeler motion for. S. S. Jackson. 1,501,012; July 8.
Looms, Loose reed for. C. Polizzo. 1,500,466; July 8.
Looms, Picker rod and stand for. W. H. Lusignan. 1,500,329; July 8.
Loose-leaf holder. W. S. Gilkey. 1,500,612; July 8.
Lubricating compound. R. H. Hutchinson. 1,500,193; July 8.
Lubricating device, Force-feed. R. V. Yeager. 1,500,355; July 8.
Lubricator. T. Cardwell. 1,500,799; July 8.
Lubricator. N. J. Cooney. 1,500,369; July 8.
Lubricator. H. H. Mercer. 1,500,599; July 8.
Lubricator device. E. Ingelfinger. 1,500,873; July 8.
Luggage holder. C. D. McKenney. 1,500,511; July 8.
Lumber, Means for measuring. E. A. Godley and L. J. Grubman. 1,500,447; July 8.
Machine-posting ledger. W. A. Ringler. 1,500,768; July 8.
Magazine feeding device. M. Fererro. 1,500,580; July 8.
Manicuring table. L. B. Simonson. 1,500,649; July 8.
Manifolding register. J. Q. Sherman. 1,500,728; July 8.
Marker. E. Lane. 1,501,001; July 8.
Massaging device, Mechanical. S. B. Fleming. 1,500,555; July 8.
Meat tenderer. E. Guggenheim. 1,500,811; July 8.
Metal bending and shaping machine. B. E. Thompson and T. A. Green. 1,500,906; July 8.
Metal objects, Process and apparatus for forming. E. S. Goodspeed. 1,501,023; July 8.
Mileage register. J. P. McLavey. 1,500,407; July 8.
Milk cooler. J. C. King. 1,500,877; July 8.
Mill: *See*—
Fanning mill. Roller mill.
Pipe mill.
Mining machine. D. S. Allison. 1,501,030; July 8.
Mirror, Glass. F. A. Benford. 1,501,031; July 8.
Mixing machine. P. D. Ionides. 1,500,322; July 8.
Mixing materials, Method of and apparatus for. E. P. Halliburton. 1,500,385; July 8.
Moistener. G. D. Coleman. 1,500,925; July 8.
Mop frame. J. A. Meinhardt. 1,500,634; July 8.
Motor: *See*—
Hydrocarbon motor. Speed-regulated motor.
Motor control system. C. F. Scott. 1,500,851; July 8.
Motor cycles and the like, Spring fork for. A. Ziehman. 1,500,480; July 8.
Mower, Lawn. J. J. Lesslie. 1,500,506; July 8.
Nozzle, Fire-hose. W. J. Marshall. 1,500,633; July 8.
Nozzle for paint spraying. R. J. Hagerman. 1,500,384; July 8.
Observations involving two factors, Instrument for graphically recording series of. E. Holland and R. G. Collingwood. 1,500,871; July 8.
Odometer. T. D. Adair, jr. 1,500,979; July 8.
Oil burner. A. Couture. 1,500,373; July 8.
Oil burner. C. A. Japhet. 1,500,194; July 8.
Oil burner. D. W. McCulloch. 1,500,509; July 8.
Oil burner, Crude-. S. Amzler. 1,500,175; July 8.
Oil-burning system. F. R. Crane, jr. 1,500,574; July 8.
Oil can. T. O. Bakken. 1,500,791; July 8.
Oil drilling, Feeding mechanism for. J. D. Gibbs. 1,500,186; July 8.
Oil, fats, and waxes and for conditioning maize and other grain, Apparatus for extracting. J. Nield. 1,500,957; July 8.
Oil from the refrigerant in refrigerating systems, Method of and means for separating. T. Shipley. 1,500,279; July 8.
Oil from the refrigerant in refrigerating systems, Means for separating. T. Shipley. 1,500,280; July 8.
Oil-hole cap. A. W. Kaufman. 1,500,822; July 8.
Oil, Purifying mineral. E. Petty. 1,500,202; July 8.
Oil-shale extraction process. R. W. Jenkins. 1,500,323; July 8.
Oiler. T. G. Dade. 1,500,112; July 8.
Orchard heater. F. L. Siczinsky. 1,500,962; July 8.
Ornamenting or coating. F. J. MacDonald. 1,500,833; July 8.
Ornamenting stone. R. G. Sanborn and F. Haslam. 1,500,272; July 8.
Oven and display device. C. G. Turner. 1,500,855; July 8.
Packaging machine for plastic materials. L. B. Hunter. 1,500,494; July 8.
Packaging machines, Folding mechanism for. F. Wyner. 1,500,478; July 8.
Pad: *See*—
Horse-collar pad.
Padding machine. A. S. Mitchell. 1,500,413; July 8.
Padlock. G. Gronell. 1,500,491; July 8.
Paint and varnish, Composition for removing. A. W. Scoles. 1,500,899; July 8.
Painter's device. V. Hartmann. 1,500,244; July 8.
Panelboard and panel-box construction. H. F. Starrett. 1,500,211; July 8.
Paper-bound books, Holder for. G. Hoerner. 1,500,817; July 8.
Paper-machine driers, Doctor controller for. J. J. Malicke. 1,500,952; July 8.
Paper making. F. Kaye. 1,500,500; July 8.
Paper-making machinery. W. Werner. 1,500,170; July 8.
Paper, Wall. H. C. Bryant. Des. 65,097; July 8.
Pavement and producing same, Composite. W. E. Hacker. 1,500,451; July 8.
Peat drier. J. Lumsden. 1,500,461; July 8.
Pencil case and stylus, Combination. S. H. Townsend. 1,500,426; July 8.
Pencil holder, Pocket. D. F. Curtin. 1,500,575; July 8.
Permutation lock. O. H. Stolberg. 1,500,656–7; July 8.
Perpetual inventories, Means for producing. A. P. R. Drucker. 1,500,551; July 8.
Phonograph record and making the same. A. Wiehl. 1,500,698; July 8.
Phonographic attachment. W. C. Roe. 1,500,470; July 8.
Phonographs and other like instruments, Nonset automatic electrical stop for. B. Reeve. 1,500,334; July 8.
Photographic cartridge and making same. J. G. Jones and H. G. Dewey. 1,500,393; July 8.
Photographic machine. M. L. Cossitt. 1,500,372; July 8.
Piano, Player. J. P. Hulder. 1,500,565; July 8.
Picker: *See*—
Cotton picker. Fruit picker.
Picture frame. W. Opel. 1,500,257; July 8.
Picture machines, Take-up sprocket for motion-. B. Gwozdz. 1,500,450; July 8.
Pin: *See*—
Spring pin.
Pipe: *See*—
Smoking pipe.
Pipe line, Flexible. M. L. Bramson, J. Hanson, and T. B. Caldwell. 1,500,921; July 8.
Pipe mill. F. I. Ellis and J. H. Sennett. 1,500,304; July 8.
Pipe-wrapping machine. L. S. Rosener and F. I. Doane. 1,500,769; July 8.
Pipe wrench. E. R. Frank. 1,500,676; July 8.
Pipes, columns, and other hollow articles, Means for the manufacture, centrifugally, of. D. Moir and H. Buchanan. 1,500,414; July 8.
Piston. H. J. Houpert. 1,500,245; July 8.
Piston. W. L. Short. 1,500,853; July 8.
Piston ring. H. J. Anderson. 1,500,357; July 8.
Piston rong. W. R. Heslewood and H. F. Mocine. 1,500,705; July 8.
Piston ring. L. C. Marshall. 1,500,252; July 8.
Piston-ring compressor. F. W. Graf. 1,500,189; July 8.
Piston-ring joint. R. B. Wasson. 1,500,693; July 8.
Plaster wall board. J. F. Haggerty. 1,500,452; July 8.
Plate or similar article. W. De Ville. Des. 65,108; July 8.
Plate or similar article. L. C. and C. J. Giometti. Des. 65,114; July 8.
Plow. C. Glueck. 1,500,187; July 8.
Plow, Rotary. J. W. Kuhn. 1,500,502; July 8.
Plumb bob. J. R. Howard. 1,500,938; July 8.
Pneumatic loading and unloading apparatus. E. E. Supinger. 1,500,966; July 8.
Pocket check and pass book carrier. L. N. Mowry and E. Lovig. 1,500,713; July 8.
Pocket protector for checks and the like. J. Cusi. 1,500,576; July 8.
Power-press guard. E. C. Regan. 1,500,960; July 8.
Power transmission. J. F. Kruchten. 1,500,878; July 8.
Power transmission. A. J. Lavoie. 1,500,588; July 8.
Power-transmbitting mechanism. H. B. Taylor. 1,500,687; July 8.
Press: *See*—
Garment press.
Press. M. H. Ballard. 1,500,101; July 8.
Press. R. W. Funk. 1,500,582; July 8.
Printing machine. A. H. Smith. 1,500,424; July 8.
Printing machine, Rotary lithographic. T. Walton. 1,500,430; July 8.
Printing presses, Feed gauge for. J. M. Strmic. 1,500,658; July 8.
Projector. S. Wiley. 1,500,214; July 8.
Protective device. C. I. Hall. 1,501,017; July 8.
Puller: *See*—
Cap or crown puller.
Pump. D. J. Conant. 1,500,607; July 8.
Pump. A. H. Wiborg. 1,500,290; July 8.
Pump, Automatic liquid. W. S. Ausherman. 1,500,177; July 8.
Pump column coupling, Deep-well-. W. L. Forward and J. B. Keating. 1,500,306; July 8.
Pump coupling, Quick-acting. M. C. Schweinert and H. P. Kraft. 1,500,531; July 8.
Pump coupling, Quick-acting. M. C. Schweinert and H. P. Kraft. 1,500,645; July 8.
Pump lubrication mechanism. C. P. Brockway. 1,500,361; July 8.
Pumping device, Diaphragm. W. C. Carter. 1,500,105; July 8.

Punch mechanism for making pattern strips. K. Howie and W. O. Taylor. 1,500,940; July 8.
Punch-press guard mechanism. E. Roth and E. P. Elzy. 1,500,337; July 8.
Rack: *See*—
Tire rack.
Radiator for transformers, Cooling. S. Horelick. 1,500,818; July 8.
Radiator-tube joint. A. E. L. Henderson. 1,500,560; July 8.
Radiator wrench. J. Roberts. 1,500,893; July 8.
Radiografonola. F. J. Renner. 1,500,892; July 8.
Radioreception, Interference prevention in. F. K. Vreeland. 1,500,476; July 8.
Rail chair and coupler. W. F. Mouser. 1,500,517; July 8.
Rail guard, Switch-. F. C. Anderson. 1,500,176; July 8.
Rail joint. J. E. McMullen. 1,500,140; July 8.
Railway, Overhead. A. J. Englund. 1,500,379; July 8.
Railway-rail construction. H. H. Whitaker. 1,500,911; July 8.
Railway tie. H. C. Lord. 1,500,139; July 8.
Rake. B. E. Leas. 1,501,006; July 8.
Razor, Safety. M. L. Masters. 1,500,953; July 8.
Razor, Safety. T. Thorpe. 1,500,165; July 8.
Razors, Container for safety. J. Kaufman. 1,500,133; July 8.
Receptacle. F. Madle. 1,500,142; July 8.
Receptacle-filling machine. C. A. Hoy. 1,500,620; July 8.
Record holder and ejector. P. F. Adams. 1,500,539; July 8.
Reflector, Light. A. L. Coffey. 1,500,237; July 8.
Refrigerator-car construction. L. S. West. 1,500,171; July 8.
Register: *See*—
Mileage register.
Releasable connecter. E. Deatrick. 1,500,488; July 8.
Resinous material from paraldehyde, Making. C. Ellis. 1,500,303; July 8.
Rim and disk wheel, Metal. W. E. Williams. 1,500,292; July 8.
Rim tool. W. C. Selbrede. 1,500,900; July 8.
Ring: *See*—
Piston ring. Tension ring.
Rivet holding and setting tool. F. A. Miller. 1,500,253; July 8.
Riveting machine. C. J. Johnson. 1,500,625; July 8.
Road machine. J. B. Jarmin. 1,500,392; July 8.
Road-surfacing machine. D. B. Reardon. 1,500,529; July 8.
Robber exterminator. S. D. Goswick. 1,500,188; July 8.
Rod: *See*—
Connecting rod.
Roll grinding and polishing device. H. J. Harris. 1,500,386; July 8.
Roller: *See*—
Shade roller. Spring roller.
Roller. T. W. Suddard. 1,500,659; July 8.
Roller mill. R. T. F. Dodds. 1,500,115; July 8.
Rolling-mill manipulator. J. F. Rogers, P. H. Douglas, and C. W. Benjamin. 1,500,336; July 8.
Roof flashing. S. B. Faison. 1,500,675; July 8.
Rotary circuit-controlling device. C. W. Burger. 1,500,603; July 8.
Rotary into reciprocatory motion, Mechanism for converting. R. Goldschmidt. 1,500,988; July 8.
Rubber goods for vulcanization, Means and method for preparing. J. Hubbard. 1,500,621; July 8.
Rubber heel. J. J. and G. E. Johnson. 1,500,819; July 8.
Rudder. B. G. Harley. 1,500,584; July 8.
Rug. A. H. Waldo. Des. 65,151; July 8.
Rug. R. Waldo. Des. 65,152; July 8.
Rug. A. H. Waldo. Des. 65,153; July 8.
Sacker. L. O. Starks. 1,500,964; July 8.
Safety control device. H. H. Logan. 1,500,403; July 8.
Safety lock. C. A. Müller. 1,500,883; July 8.
Saliva ejector. F. L. Dailey. 1,501,010; July 8.
Salts from black liquor, Reclamation of low-melting-point. J. E. Plumstead. 1,500,890; July 8.
Sanding machine, Floor-. M. L. Schlueter. 1,500,771; July 8.
Saw, Collapsible hack. E. W. McIntire. 1,500,406; July 8.
Sawmill-dog handling and operating mechanism. J. C. Adams. 1,500,914; July 8.
Scale lever, Thermostatically-adjusted. G. M. Ludlow. 1,500,405; July 8.
Scale, Truck. G. A. Bernache. 1,500,541; July 8.
Screen: *See*—
Shaking screen. Vibrating screen.
Scrubbing machine. G. H. Wagoner. 1,500,692; July 8.
Sealing means for receptacles. J. T. Overstreet. 1,500,200; July 8.
Seamed article and making the same, Impervious. C. D. Abraham. 1,500,097; July 8.
Seat. F. W. Shuman. 1,500,338; July 8.
Sensitizing composition for preparing blue-print paper. E. Bertsch. 1,500,433; July 8.
Separator: *See*—
Grain separator.
Separator. T. A. Willard. 1,500,353; July 8.
Separator and making the same. R. C. Benner. 1,500,220; July 8.
Sewing machine. A. Eppler. 1,500,806; July 8.
Sewing machine, Inseam-. L. E. Topham. 1,500,688; July 8.
Shackle, Resilient. J. F. O'Connor. 1,500,150; July 8.
Shade holder. J. I. Pollak. 1,500,420; July 8.
Shade roller. T. Digney. 1,500,608; July 8.
Shaker, Salt and pepper. S. Haslam. Des. 65,117; July 8.
Shaking screen. F. C. Morrow. 1,500,415; July 8.
Sharpener, Knife. F. M. Gum. 1,500,241; July 8.
Sharpener, Lawn-mower. F. Schmoll. 1,500,898; July 8.
Shears. F. C. Biggert, jr. 1,500,600; July 8.
Sheet-metal plates, Cold flanging irregularly-shaped. H. McCabe. 1,501,008; July 8.
Sheet-metal-spinning machine. G. E. Page. 1,500,261; July 8.
Shelf and bracket, Combined. A. F. Carlin. 1,500,487; July 8.
Shingle. C. L. Keller. 1,500,709; July 8.
Shingle, Unit. H. Abraham. 1,500,568; July 8.
Shock absorber. G. R. Le Maire. 1,500,138; July 8.
Shock absorber. H. Selker. 1,500,277; July 8.
Shock absorber. F. S. Springstead. 1,500,655; July 8.
Shock absorber. S. J. Vesely. 1,500,351; July 8.
Shock-absorbing mechanism, Friction. A. M. Brenne. 1,500,102; July 8.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,500,129; July 8.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,500,146–8; July 8.
Shoe-polishing bench. C. P. Hadley. 1,500,989; July 8.
Shoes, Making. A. H. Prenzel. 1,500,527; July 8.
Shovel: *See*—
Combination shovel.
Shovels, Method and apparatus for simultaneously forming and heat-treating. F. C. Brandenburg. 1,500,571; July 8.
Shower-bath curtains, Pocket for. K. Heitler. 1,500,991; July 8.
Shuttle spindle and cop-tube holder therefor. G. Lux. 1,500,508; July 8.
Sifter, Ash. J. J. McCarthy. 1,500,712; July 8.
Sign. T. Cusack. Des. 65,103; July 8.
Signal: *See*—
Automobile signal. Direction signal.
Automobile direction signal. Vehicle signal.
Warning signal.
Automobile traffic signal.
Signal. B. B. Isom. 1,500,706; July 8.
Signal-control apparatus. J. H. Downs. 1,500,863; July 8.
Signaling system. R. P. Herbert. 1,500,191; July 8.
Signaling system, High-frequency. E. F. W. Alexanderson. 1,500,785; July 8.
Sinker, Adjustable. W. K. Mattern. 1,500,463; July 8.
Skillet. J. E. Tate. 1,500,163; July 8.
Skin marking. O. H. Foss. 1,500,987; July 8.
Skiving machine. N. V. Dyer. 1,500,117; July 8.
Skylight. A. R. Konsalik. 1,500,678; July 8.
Sled. H. Heffner. 1,500,453; July 8.
Sliding lock. W. W. Spurrier. 1,500,345; July 8.
Slot closer. R. R. Paine. 1,500,419; July 8.
Smoker's stand. R. S. Schaefer. Des. 65,145; July 8.
Smoking pipe. J. I. Le Bel. 1,500,503; July 8.
Snap fastener. G. A. Holmes. 1,500,389; July 8.
Snowplow. K. W. Conover. 1,500,671; July 8.
Soda, Effecting the separation of sodium carbonate from liquors or solutions containing caustic. R. O. Jones. 1,500,994; July 8.
Soda, Manufacture and production of caustic. R. O. Jones. 1,500,993; July 8.
Soda, Manufacture of caustic. R. O. Jones. 1,500,995; July 8.
Sodium carbonate from liquors or solutions containing caustic soda. R. O. Jones. 1,500,994; July 8.
Soil pulverizer and seeder. C. S. Burton. 1,500,437; July 8.
Soldering iron. F. W. A. Senkel. 1,500,278; July 8.
Sole, Pneumatic. L. Glanzer. 1,500,583; July 8.
Sole-punching machine. J. E. Perrault. 1,500,263; July 8.
Spark plug. W. L. Barron. 1,500,916; July 8.
Spark-plug cleaner. C. A. Shephard. 1,500,852; July 8.
Spark plug, Double-insulated. A. J. Champion. 1,500,021; July 8.
Speculum and dilator. J. T. Breneman. 1,500,227; July 8.
Speed-regulated motor. G. R. Kunkle. 1,500,826; July 8.
Sphygmomanometer. L. H. Levy. 1,500,629; July 8.
Spindle stop-motion attachment for spinning machine. E. C. Cushman. 1,500,982; July 8.
Spinneret. J. P. Hooper. 1,500,934; July 8.
Spinning machines, Thread guide for. O. O'Sullivan. 1,500,258; July 8.
Spoon or similar article. T. B. Lashar. Des. 65,123; July 8.
Spout lock. O. L. Neander. 1,500,520; July 8.
Spout, Pouring. J. A. McGhee. 1,500,951; July 8.
Spring pin. F. W. Burpee. 1,500,667; July 8.
Spring roller. E. Haysiett. 1,500,585; July 8.
Spud, Bunghole. T. Severson. 1,500,158; July 8.
Stand: *See*—
Automobile stand.
Steam boiler. G. Cook. 1,500,182; July 8.

Stepladder. W. R. Quehl. 1,500,891; July 8.
Stepladder, Knockdown. G. F. Hotopp. 1,500,937; July 8.
Stoker cylinder. A. Wathey. 1,500,972; July 8.
Stoneworking machine. A. Ball. 1,500,597; July 8.
Stoneworking machine. H. H. Mercer. 1,500,598; July 8.
Stool. C. M. Larsen. 1,501,005; July 8.
Storage battery. V. C. Goodridge. 1,500,448; July 8.
Storage battery. R. W. Wales. 1,500,287; July 8.
Storage-battery grid. R. C. Benner. 1,500,219; July 8.
Storage cell or battery. R. C. Benner and H. F. French. 1,500,222; July 8.
Storage cell or battery and electrode therefor. R. C. Benner. 1,500,221; July 8.
Stove, Cooking. F. A. Pettersson. 1,500,843; July 8.
Stove, Heating. G. G. Scarborough. 1,500,725; July 8.
Stove or furnace pipes, Heating attachment for. H. Müller. 1,500,838; July 8.
Stove top. I. L. Frankem. 1,500,866; July 8.
Stretcher. C. S. Woods. 1,500,858; July 8.
String fastener. W. Klamroth. 1,500,134; July 8.
Strong or safety box. G. Witty. 1,500,977; July 8.
Submarine construction. S. L. G. Knox. 1,500,997; July 8.
Submarine mine and sinker. A. L. Gwynne and R. A. Sturgeon. 1,500,812; July 8.
Submarine sound transmitter. J. H. Hammond, jr. 1,500,243; July 8.
Suspending a mass and for like purposes, Means for releasably. G. A. Wearham. 1,500,973; July 8.
Sweeper, Street. C. F. Greiner and A. W. Aitken. 1,500,558; July 8.
Swimmer's foot aid. A. B. Johnson. 1,500,942; July 8.
Switch: *See*—
Crossbar line switch. Electromagnetic switch.
Electric switch.
Switch-lock. E. Zeman. 1,500,479; July 8.
Table: *See*—
Bundling table. Manicuring table.
Tabulating machines. Hammer control for. C. D. Lake. 1,501,004; July 8.
Tachometer drive. W. G. Eager. 1,500,579; July 8.
Talking-machine repeater. W. H. Huth. 1,500,495; July 8.
Talking machines or machines in timed relation to a cinematographic machine, Apparatus for controlling the operation of. F. E. Mosley. 1,500,254; July 8.
Target, Illuminated. W. J. Barrett. 1,500,482; July 8.
Teapot. A. Gramlich. Des. 65,116; July 8.
Telegraph cable. H. W. Sullivan. 1,500,660; July 8.
Telegraph translator and circuits therefor. A. D. Cardwell. 1,500,486; July 8.
Telephonic receiver. R. H. Marriott. 1,500,331; July 8.
Temperature-controlling means for motors. S. H. Page and J. B. Struble. 1,500,418; July 8.
Temperature controlling system. J. E. Gannin and M. W. Ward. 1,500,382; July 8.
Tennis ball and manufacturing the same. T. W. Miller. 1,501,009; July 8.
Tension ring. C. A. Henley. 1,500,616; July 8.
Test and practice form, Permanent. P. R. Stevenson. 1,500,777; July 8.
Theatrical device. L. Levy. 1,500,507; July 8.
Theft-alarm carrier. E. A. and O. A. Wiese. 1,500,976; July 8.
Thermostat. L. P. Hynes. 1,500,566; July 8.
Thermostat. A. J. Otto. 1,500,259; July 8.
Thermostat. A. J. and C. A. Otto. 1,500,260; July 8.
Thermostat device. J. B. Replogle. 1,500,268; July 8.
Thimble. G. F. Lenk. 1,500,504; July 8.
Thread-forming apparatus. J. P. Hooper. 1,500,933; July 8.
Thread guide. H. N. Lessard. 1,500,947; July 8.
Thread-tacking machine. G. Venditti. 1,500,969; July 8.
Threads, Apparatus for forming and twisting. J. P. Hooper. 1,500,930; July 8.
Threads, Apparatus for producing. J. P. Hooper. 1,500,932; July 8.
Threads with animal fibers, Production of effect. F. Münz. 1,500,255; July 8.
Throttle device, Transportable. J. C. Carlton. 1,500,365; July 8.
Tie: *See*—
Railway tie.
Tie-rod tightener and puller for concrete forms. A. H. Richard. 1,500,204; July 8.
Tightener for clothesslines. C. S. Cudmore. 1,500,549; July 8.
Time and cost calculator. H. Saldinger. 1,500,642; July 8.
Timer. A. W. Kaufman. 1,500,821; July 8.
Timer. W. F. Wagner. 1,500,970; July 8.
Tire adapter for vehicle wheels. C. A. Shelton. 1,500,532; July 8.
Tire and tool case, Automobile. C. R. Ishburn. 1,500,874; July 8.
Tire carrier and rim remover. T. Cosgrove, jr., and N. A. Sponseller. 1,500,371; July 8.
Tire protector. W. J. Rudolph. 1,500,849; July 8.
Tire rack. C. H. Larson. 1,400,460; July 8.
Tire, Sectional cushion. A. A. Glidden. 1,500,307; July 8.
Tire wrapping. J. Scherner. 1,500,472; July 8.
Tires, Making rubber. W. H. Allen. 1,500,786; July 8.
Toaster, Turnover. W. A. Rankin and L. E. Hardin. 1,500,848; July 8.
Tool. N. C. Hall. 1,500,315; July 8.
Toothbrush. J. Merkel, jr. 1,500,410; July 8.
Toothbrush. R. R. Roush. 1,500,722; July 8.
Toothbrush shield attachment. F. E. Small. 1,501,020; July 8.
Torpedoes, Depth mechanism for automobile. W. Dieter. 1,500,114; July 8.
Toy. C. Hinson. 1,500,869; July 8.
Toy. A. Ozerowicz. 1,500,201; July 8.
Toy, Figure. L. Marx. 1,500,590; July 8.
Toy, Figure wheeled. C. J. Sladek. 1,500,897; July 8.
Track fastening. C. E. Price. 1,500,203; July 8.
Traction grip. A. McCracken and W. V. Monroe. 1,500,249; July 8.
Tractor. A. C. Mason. 1,501,025; July 8.
Tractor. R. E. Roy. 1,500,723; July 8.
Tractor and cotton-picking machine, Combined. B. Johnson. 1,500,324; July 8.
Tramroad. L. Sargeant. 1,500,724; July 8.
Transformer-cooling means. R. V. Bingay. 1,500,793; July 8.
Transformers, Cooling apparatus for. L. G. McClintock. 1,500,764; July 8.
Transmission relining band. D. B. Smith. 1,500,341; July 8.
Transmission system, Multiplex. L. Espenschied. 1,500,552; July 8.
Trap: *See*—
Animal trap. Insect trap.
Trap. H. Pierini. 1,500,525; July 8.
Tray manufacture. W. E. Hall. 1,500,125; July 8.
Trees, Dyeing or impregnating the wood in living. O. Reimann. 1,500,469; July 8.
Trough, Poultry feed. T. W. Southard. 1,500,343; July 8.
Trousers. B. J. Bodnar. 1,500,570; July 8.
Trousers attachment. A. W. Crawford. 1,500,804; July 8.
Truck. E. E. Winkley. 1,500,173; July 8.
Truck and towing apparatus, Wrecking. G. D. Bornschein. 1,500,225; July 8.
Truck, Industrial. C. E. Cochran. 1,500,236; July 8.
Truck, Shopping or marketing. G. T. Clayton. 1,500,108; July 8.
Tube-cutting apparatus. J. D. Harris. 1,500,127; July 8.
Tunneling machine. G. Miller. 1,500,411; July 8.
Turbine rotor. A. S. Anderson. 1,500,787; July 8.
Twister. J. S. Bachman. 1,500,296; July 8.
Typewriter, Flat-bed manifolding. J. Q. Sherman and A. W. Metzner. 1,500,727; July 8.
Typewriter, Manifolding. J. Q. Sherman and A. W. Metzner. 1,500,729; July 8.
Typewriting machine. B. J. Dowd. 1,500,116; July 8.
Typewriting machine. W. F. Helmond. 1,500,190; July 8.
Typewriting machine. A. G. F. Kurowski. 1,500,137; July 8.
Typewriting machine. L. C. Myers. 1,500,839; July 8.
Typewriting machine. J. A. B. Smith. 1,500,773; July 8.
Uppers over lasts, Machine for working. C. F. Pym. 1,500,152; July 8.
Vacuum-operated mechanism. J. B. Whitted. 1,500,975; July 8.
Valve. J. L. Jones. 1,500,820; July 8.
Valve. C. Sonner. 1,500,775; July 8.
Valve. J. M. Sullivan. 1,500,686; July 8.
Valve. C. A. Van Derson. 1,500,908; July 8.
Valve, Attachable. W. R. Clark. 1,500,300; July 8.
Valve, Automatic safety. O. C. Larson. 1,500,587; July 8.
Valve construction. M. H. Smith. 1,500,342; July 8.
Valve-control mechanism for containers. H. R. Cunningham. 1,500,669; July 8.
Valve, Float. H. Wigzell. 1,500,784; July 8.
Valve, Gas. G. L. Grader. 1,500,868; July 8.
Valve gear. H. Junkers. 1,500,457; July 8.
Valve lifter. A. Taylor. 1,500,536; July 8.
Valve mechanism. C. Gibford. 1,501,022; July 8.
Valve mechanism, Silencer for gas-engine. G. H. Charnock. 1,500,605; July 8.
Valve-operating device. F. D. Leslie. 1,500,628; July 8.
Valve-operating means. J. G. Tarwater. 1,500,778; July 8.
Valve-operating mechanism. C. W. Van Ranst. 1,500,166; July 8.
Valve-operating mechanism, Float-. P. Mueller. 1,500,417; July 8.
Valve, Outlet. P. W. Bolton and W. N. Minniear. 1,500,918; July 8.
Valve, Safety. P. G. Darling. 1,500,674; July 8.
Valve tappet. J. E. Foss. 1,500,865; July 8.
Vapor and air intensifier and carburetor attachment. F. F. W. Doering. 1,500,443; July 8.
Vase or similar article. W. Geib. Des. 65,112; July 8.
Vault protection system. J. J. Duffie. 1,500,805; July 8.
Vehicle bumper. H. L. Smith. 1,500,650; July 8.
Vehicle, Child's occupant-propelled. F. Starr. 1,500,854; July 8.
Vehicle construction, Motor-. D. C. Stoppenbach. 1,500,160; July 8.

Vehicle direction indicator. C. A. Wesson. 1,500,910; July 8.
Vehicle doors, Spindle locking device for. L. W. Gates. 1,500,490; July 8.
Vehicle, Dumping. H. M. Colbyson and F. J. Mumm. 1,500,803; July 8.
Vehicle, Foot-propelled. A. Giufri. 1,500,809; July 8.
Vehicle, Motor. O. F. Carlson. 1,500,801; July 8.
Vehicle, Motor. F. Sergardi. 1,500,646; July 8.
Vehicle or base, Compounding. J. Schneible. 1,500,276; July 8.
Vehicle signal. C. A. Kuhn. 1,500,998; July 8.
Vehicle wheel. F. M. Vansickle. 1,500,350; July 8.
Vehicle wheel construction, Motor-. A. Hendricks. 1,500,387; July 8.
Vehicles, Auxiliary freight carrier for. G. C. Kennedy. 1,500,394–5; July 8.
Vehicles, Brake for motor. J. B. Klein. 1,500,397; July 8.
Vehicles, Direction signal for. F. F. Thomsen. 1,500,967; July 8.
Vehicles, Hoist for motor. W. L. Stubbs. 1,500,284; July 8.
Vehicles, Identification device for. R. Alfisi. 1,500,980; July 8.
Vehicles, Luggage carrier for. W. A. King. 1,500,945; July 8.
Vehicles, Power-delivering attachment for motor. H. H. White. 1,500,172; July 8.
Vehicles, Radiator cap for motor. O. E. Hunt. 1,500,622; July 8.
Vehicles, Rain protector for. G. W. Dover. 1,500,302; July 8.
Vehicles, Spring bumper for motor. E. G. Dann. 1,500,375; July 8.
Vehicles, Steering gear for motor road. A. A. Holle. 1,500,320; July 8.
Vehicles, Theft warning signal or wheel lock for. W. E. Chadwick and J. A. Creighton. 1,500,924; July 8.
Vehicles, Traffic signal for motor. H. L. Brewster. 1,500,601; July 8.
Ventilator. A. Chupa. 1,500,368; July 8.
Ventilator or fan, Automatically-controlled. C. Holzendorf. 1,500,492; July 8.
Vessels and apparatus for the same, Hauling-out system for scrapping. F. C. Stauffen. 1,500,282; July 8.
Vibrating screen. T. D. Walsh. 1,500,856; July 8.
View finder. C. F. Speidel. 1,500,344; July 8.
Vise, Piston. G. M. Peterson. 1,500,264; July 8.
Vision, Testing. F. P. Lewis. 1,500,247–8; July 8.
Vulcanizer. G. A. Nelson. 1,500,885; July 8.
Vulcanizing. E. Blaker. 1,500,700; July 8.
Wall construction. D. W. Dodson. 1,500,377; July 8.
Wall construction. C. E. Huffman. 1,500,493; July 8.
Warning signal, Mechanical. L. C. Lester. 1,500,328; July 8.
Warp-dyeing machine. G. W. Robertson, W. T. Hogg, E. T. Garsed, and W. G. Benefield. 1,500,894; July 8.
Warp-treating apparatus. Long-chain-. H. M. Chase and G. W. Robertson. 1,500,298; July 8.
Waste stopper and operating mechanism. P. Mueller and A. C. Schuermann. 1,500,416; July 8.
Water gauge. E. Wood. 1,500,294; July 8.
Water heater. J. A. O. Terriault. 1,500,286; July 8.
Water heater for stand boilers. L. S. Lawson. 1,500,327; July 8.
Waterproofing for cloth. N. A. Thompson. 1,500,537; July 8.
Wave-resisting structure. W. H. Evers. 1,500,119–20; July 8.
Weed burner, Roadside. A. Y. Smith. 1,500,340; July 8.
Weeder. A. L. Rumbaugh. 1,500,271; July 8.
Weft-detecting mechanism. E. H. Ryan. 1,500,205; July 8.
Weftless cord fabric, Manufacture of. M. Castricum. 1,500,234; July 8.
Weighing moving material. M. Castricum. 1,500,233; July 8.
Well-cleaning device. C. Larsen. 1,500,400; July 8.
Well screen and making same. M. E. Layne. 1,500,828; July 8.
Well-screen-forming device. M. E. Layne. 1,500,830; July 8.
Well screens, Forming. M. E. Layne. 1,500,829; July 8.
Wheel: *See*—
Auto wheel. Disk wheel.
Automobile air wheel. Vehicle wheel.
Wheel. T. G. Dade. 1,500,113; July 8.
Wheel rim. W. E. Williams. 1,500,291; July 8.
Wheel-rim jack, Vehicle. E. Hartung. 1,500,813; July 8.
Wheel rim, Vehicle. J. H. Miskimen. 1,500,412; July 8.
Wheels, Cutting material for buffing. W. F. Hall. 1,500,990; July 8.
Wheels, Production of. A. S. Hyde. 1,500,496; July 8.
Whistle, Exhaust. R. C. Anderson and F. F. Rike. 1,500,100; July 8.
Winding frame. X. Brügger. 1,500,602; July 8.
Window. J. Weber. 1,500,288; July 8.
Window cleaner. N. D. Scarling. 1,500,274; July 8.
Window lock. J. G. Beranger. 1,500,540; July 8.
Window-locking arrangement. J. Perzeszty. 1,500,636; July 8.
Window-sash stop and lock. W. Heringer. 1,500,130; July 8.
Window sashes, etc., Lock for. H. Hopf. 1,500,562; July 8.
Windows, doors, and the like, Frame construction for. J. F. Auld. 1,500,359; July 8.
Windows, Electrically-operated raising and lowering mechanism for. H. E. Norwood and T. G. Nickerson. 1,500,765; July 8.
Windshield attachment. W. Thurman and S. Smith. 1,500,425; July 8.
Windshield cleaner. W. J. Spiro. 1,500,654; July 8.
Wire cable, Machine for manufacturing. A. G. Hoovens. 1,500,936; July 8.
Wire clamp for fence stretchers, Fence. W. L. Goldston. 1,500,309; July 8.
Wire-filling cutter for wire-fabric looms. W. S. Southwick. 1,500,652; July 8.
Wire tie for reenforcing rods and bars. R. G. Ludwik. 1,500,832; July 8.
Wire upon spools, Machine for winding. A. G. Hoovens. 1,500,935; July 8.
Wires, Manufacture of electric. H. B. Burley. 1,500,546; July 8.
Wrapping machine. J. Derry. 1,500,984; July 8.
Wrapping machine. A. E. Maspons. 1,500,143; July 8
Wrench: *See*—
Pipe wrench. Radiator wrench.
Wrench. F. C. Hacheney. 1,500,310–4; July 8.
X-ray plates and the like, Means for examining. E. T. Glover. 1,500,867; July 8.
Yoke, Coupler. E. H. Schmidt. 1,500,157; July 8.

CLASSIFICATION OF PATENTS

ISSUED JULY 8, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

2— 27: 1,500,109
79: 1,500,370
106: 1,500,981
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174: 1,500,418
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278— 51: 1,500,228
1,500,229
280— 5: 1,500,646
12: 1,500,453
33.1: 1,500,236
33.44: 1,500,395
51: 1,500,108
91: 1,500,320
281— 19: 1,500,713
282— 16: 1,500,728
283— 55: 1,500,551
285— 56: 1,500,560
92: 1,500,921
150: 1,500,531
1,500,645
286— 7: 1,500,589
13: 1,500,369
287— 113: 1,500,689
117: 1,500,901
292— 32: 1,500,345
33: 1,500,540
207: 1,500,435
218: 1,500,169
342: 1,500,130
1,500,562
359: 1,500,490
293— 27: 1,500,730
55: 1,500,285
1,500,375
1,500,380
1,500,650
294— 53: 1,500,132
63: 1,500,533
87: 1,500,939
106: 1,500,903
1,500,904
296— 23: 1,500,573
97: 1,500,563
99: 1,500,302
297— 11: 1,500,268
298— 9: 1,500,803
299— 16: 1,500,178
20: 1,500,978
30: 1,500,162
120: 1,500,384
1,500,702
148: 1,500,633
301— 32: 1,500,412
63: 1,500,317
1,500,333
1,500,350
1,500,387
1,500,496
302— 17: 1,500,966
37: 1,500,581

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bechtold, Charles, Brooklyn, N. Y. Porcelain Veneer Porsenl Dental Laboratory. For Dental Goods, Crowns, and Merchandise. 27,572; July 15.

Big E. Laboratories, Denver, Colo. Hairslik. For a Preparation for the Hair. 27,573; July 15.

Champion Carbon Mfg. Co., The, Cincinnati, Ohio. Champion Radio "B" Battery. For Dry-Cell-Battery Containers. 27,574; July 15.

Eline's Incorporated, Milwaukee, Wis. Eline's Vanilla Sweet Chocolate. For Chocolate. 27,575; July 15.

Eline's Incorporated, Milwaukee, Wis. Eline's Into-the-Woods Chocolate. For Chocolate. 27,576; July 15.

Fargo-Hallowell Shoe Co., doing business as Little Chick Shoe Company, Chicago, Ill. Zoo Shoe. For Shoe Cartons. 27,577; July 15.

Foot Products Co., The. (See Stein, H. C.)

Goldman, I. S., doing business as I. S. Goldman Company, Merced, Calif. Yosemite (Mission Scene). For Figs. 27,579; July 15.

Goldman, I. S., doing business as I. S. Goldman Company, Merced, Calif. Yosemite (El Capitan Scene). For Figs. 27,580; July 15.

Goldman, I. S., doing business as I. S. Goldman Company, Merced, Calif. Yosemite (Cathedral Rock Scene). For Figs. 27,581; July 15.

Gray, William A., doing business as Idaho Breakfast Food Co., Buhl, Idaho. Aztec Pancake Meal. For a Pancake Meal. 27,582; July 15.

Gray, William A., doing business as Idaho Breakfast Food Co., Buhl, Idaho. Aztec Breakfast Food. For a Breakfast Food. 27,583; July 15.

Hayes-Meserole Mfg. Co. Inc., The, Milford, Conn. Nell Brinkley Bob Curler. For Bob Curlers. 27,584; July 15.

Heller, B., & Company, Chicago, Ill. Zanzibar Brand. For Spices—to wit, pure ground white pepper for foods and food products. 27,585; July 15.

Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Furniture Polish. For Furniture Polish. 27,586; July 15.

Hickok, C. F., Co., The, Sidney, Ohio. Paddle Your Own Canoe. For Candy. 27,587; July 15.

Idaho Breakfast Food Co. (See Gray, William A.)

King, Frank O., Chicago, Ill. Skeezix—Skeezix comes to school alone. For Writing Tablets. 27,588; July 15.

King, Frank O., Chicago, Ill. Skeezix—Skeezix knows both crooked S. For Writing Tablets. 27,589; July 15.

King, Frank O., Chicago, Ill. Skeezix—Take no chances, safety first. For Writing Tablets. 27,590; July 15.

King, Frank O., Chicago, Ill. Skeezix—Skeezix got some cookie dough. For Writing Tablets. 27,591; July 15.

Little Chick Shoe Company. (See Fargo-Hallowell Shoe Co.)

Mary Fraser Candies Incorporated, Los Angeles, Calif. Marycream. For Candies. 27,592; July 15.

National Pepsin Gum Co., San Francisco, Calif. Kismet Chewing Gum. For Chewing Gum. 27,593; July 15.

Nelson & Company, Inc., Oviedo, Fla. White Rose. For Celery. 27,594; July 15.

Nicholson-Feinberg, Inc., New York, N. Y. Timewear. For Hosiery. 27,595; July 15.

Nunnally Company, The, Atlanta, Ga. Congratulations. For Candy. 27,596; July 15.

Orsinger, Louis Y. La Salle, Ill. Orsinger's. For Cakes. 27,597; July 15.

Paraline Companies, Inc., The, San Francisco, Calif. Pabco—Toy Aeroplane Whirl. For a Toy. 27,598; July 15.

Patterson-Warren Co., McKeesport, Pa. Golden Eagle. For Evaporated Milk. 27,599; July 15.

Piel Bros., Brooklyn, N. Y. Green Mountain Birch Beer. For Birch Beer, a Nonalcoholic Birch-Beer Beverage. 27,600; July 15.

Piel Bros., Brooklyn, N. Y. Pell's Sweet Cider. For Sweet Cider, a Nonalcoholic Sweet Cider. 27,601; July 15.

Piel Bros., Brooklyn, N. Y. Apichampagne. For Apichampagne, a Nonalcoholic Carbonated Apple-Juice Beverage. 27,602; July 15.

Piel Bros., Brooklyn, N. Y. Piel's Apple Ale. For Apple Ale, a Nonalcoholic Carbonated Apple-Juice Beverage. 27,603; July 15.

Placentia Mutual Orange Association, Placentia, Calif. Shamrock. For Lemons. 27,604; July 15.

Placentia Mutual Orange Association, Placentia, Calif. Caledonia. For Lemons. 27,605; July 15.

Portland Flour Mills Co., Portland, Oreg. Sperry Olympic. For Cereals. 27,606; July 15.

Randolph Marketing Company, Los Angeles, Calif. Terrier. For Citrous Fruits. 27,607; July 15.

Republic Metalware Company, The, Buffalo, N. Y. Savory Steam Double Boiler. For Double Boilers. 27,608; July 15.

Ritz Perfume Co., Brooklyn, N. Y. Parfum Lilas de France. For Perfume. 27,609; July 15.

South Lake Apopka Citrus Growers Association, Oakland, Fla. Fellowship. For Oranges and Grapefruit. 27,610; July 15.

Stein, H. C., doing business as The Foot Products Co., New York, N. Y. Chex Foot Toilet Water. For Toilet Waters. 27,611; July 15.

Sturdivant Packing Company, Brownsville, Tenn. Old Virginia Style Brunswick Style Stew. For Old Virginia Style Brunswick Style Stew. 27,612; July 15.

Taylor, John R., Portland, Me. Taylor's Home Made Corn Cakes. For Corn-Cake Bars. 27,613; July 15.

United States Foil Co., Inc., Louisville, Ky. The House That Jack Built. For a Container for Confections. 27,614; July 15.

United States Foil Co. Inc., Louisville, Ky. Christmas Tinsel. For Holiday Decorations (Large Size). 27,615; July 15.

Waxide Paper Company, Kansas City, Mo. Pullman. For Bread. 27,616; July 15.

Waxide Paper Company, Kansas City, Mo. Betty Anne. For Bread. 27,617; July 15.

Waxide Paper Company, Kansas City, Mo. Sandwich. For Bread. 27,618; July 15.

Waxide Paper Company, Kansas City, Mo. Whole Wheat. For Bread. 27,619; July 15.

Willson Goggles, Inc., Reading, Pa. Willson Dustite Respirator. For Respirators. 27,578; July 15.

Wish, Fred A., Inc., New York, N. Y. Uncle Wiggily's Stationery. For Stationery. 27,620; July 15.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Stop a Minute and Study that Label! For Athletic Underwear. 7,477; July 15.

Cadet Knitting Company, Philadelphia, Pa. A New Note In Hosiery. For Hosiery. 7,478; July 15.

Cochran & McCluer Company, Chicago, Ill. On Time Since 1881. For First-Mortgage Gold Bonds. 7,479; July 15.

Coty, Inc., Wilmington, Del., and New York, N. Y. Les Poudres de Coty. For Powders. 7,480; July 15.

Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Rat and Mice Killer. For Insecticide for Killing Rats and Mice. 7,481; July 15.

Martin, Luther E., Company, Baltimore, Md. Bromo-Seltzer Needle Book. For Bromo-Seltzer. 7,482; July 15.

Roper, Geo. D., Corporation, Rockford, Ill. Roper Complete Oven Control. For Gas and Electric Ranges. 7,483; July 15.

Summerour & Son, Vernon, Tex. Figure the Difference. For Cottonseed. 7,484; July 15.

Summerour & Son, Vernon, Tex. Frost—When it comes too soon. For Cottonseed. 7,485; July 15.

Summerour & Son, Vernon, Tex. Why It Makes More For Cottonseed. 7,486; July 15.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Whitman's Chocolate Covered Fruits and Nuts. For Chocolate-Covered Fruits and Nuts. 7,487; July 15.

ALPHABETICAL LIST OF LABELS.

Apichampagne. For Apichampagne, a Nonalcoholic, Carbonated Apple-Juice Beverage. Piel Bros. 27,602; July 15.
Aztec Breakfast Food. For a Breakfast Food. W. A. Gray. 27,583; July 15.
Aztec Pancake Meal. For a Pancake Meal. W. A. Gray. 27,582; July 15.
Betty Anne. For Bread. Waxide Paper Company. 27,617; July 15.
Caledonia. For Lemons. Placentia Mutual Orange Association. 27,605; July 15.
Champion Radio "B" Battery. For Dry-Cell-Battery Containers. Champion Carbon Mfg. Co. 27,574; July 15.
Chex Foot Toilet Water. For Toilet Waters. H. C. Stein. 27,611; July 15.
Christmas Tinsel. For Holiday Decorations (large size). United States Foil Co. 27,615; July 15.
Congratulations. For Candy. Nunnally Company. 27,596; July 15.
Eline's Into-the-woods Chocolate. For Chocolate. Eline's Incorporated. 27,576; July 15.
Eline's Vanilla Sweet Chocolate. For Chocolate. Eline's Incorporated. 27,575; July 15.
Fellowship. For Oranges and Grapefruit. South Lake Apopka Citrus Growers Association. 27,610; July 15.
Golden Eagle. For Evaporated Milk. Patterson-Warren Co. 27,599; July 15.
Green Mountain Birch Beer. For Birch Beer, a Nonalcoholic Birch-Beer Beverage. Piel Bros. 27,600; July 15.
Hairslik. For a Preparation for the hair. Big E. Laboratories. 27,573; July 15.
Kismet Chewing Gum. For Chewing Gum. National Pepsin Gum Co. 27,593; July 15.
Marycream. For Candies. Mary Fraser Candies, Incorporated. 27,592; July 15.
Nell Brinkley Bob Curler. For Bob Curlers. Hayes-Meserole Mfg. Co. 27,584; July 15.
Old Virginia Style Brunswick Style Stew. For Old Virginia Style Brunswick Style Stew. Sturdivant Packing Company. 27,612; July 15.
$1000.00 Guaranteed Furniture Polish. For Furniture Polish. B. Heller & Company. 27,586; July 15.
Orsinger's. For Cakes. L. V. Orsinger. 27,597; July 15.
Pabco-Toy Aeroplane Whirl. For a toy. Paraffine Companies. 27,598; July 15.
Paddle Your Own Canoe. For Candy. C. F. Hickok Co. 27,587; July 15.
Parfum Lilas de France. For Perfume. Ritz Perfume Co. 27,609; July 15.
Piel's Apple Ale. For Apple Ale, a Nonalcoholic, Carbonated Apple-Juice Beverage. Piel Bros. 27,603; July 15.
Piel's Sweet Cider. For Sweet Cider, a Nonalcoholic Sweet Cider. Piel Bros. 27,601; July 15.
Porcelain Veneer Porseal Dental Laboratory. For Dental Goods, Crowns, and Merchandise. C. Bechtold. 27,572; July 15.
Pullman. For Bread. Waxide Paper Company. 27,616; July 15.
Sandwich. For Bread. Waxide Paper Company. 27,618; July 15.
Savory Steam Double Boiler. For Double Boilers. Republic Metalware Company. 27,608; July 15.
Shamrock. For Lemons. Placentia Mutual Orange Association. 27,604; July 15.
Skeezix—Skeezix comes to school alone. For Writing Tablets. F. O. King. 27,588; July 15.
Skeezix—Skeezix got some cookie dough. For Writing Tablets. F. O. King. 27,591; July 15.
Skeezix—Skeezix knows both crooked S. For Writing Tablets. F. O. King. 27,589; July 15.
Skeezix—Take no chances, safety first. For Writing Tablets. F. O. King. 27,590; July 15.
Sperry Olympic. For Cereals. Portland Flour Mills Co. 27,606; July 15.
Taylor's Home Made Corn Cakes. For Corn-Cake Bars. J. R. Taylor. 27,613; July 15.
Terrier. For Citrous Fruits. Randolph Marketing Company. 27,607; July 15.
The House That Jack Built. For a Container for Confections. United States Foil Co. 27,614; July 15.
Timewear. For Hosiery. Nicholson-Feinberg, Inc. 27,595; July 15.
Uncle Wiggily's Stationery. For Stationery. Fred A Wish, Inc. 27,620; July 15.
White Rose. For Celery. Nelson & Company. 27,594; July 15.
Whole Wheat. For Bread. Waxide Paper Company. 27,619; July 15.
Willson Dustite Respirator. For Respirators. Willson Goggles, Inc. 27,578; July 15.
Yosemite (Cathedral Rock Scene). For Figs. I. S Goldman. 27,581; July 15.
Yosemite (El Capitan Scene.) For Figs. I. S. Goldman. 27,580; July 15.
Yosemite (Mission Scene). For Figs. I. S Goldman. 27,579; July 15.
Zanzibar-Brand. For Spices—to wit, Pure Ground White Pepper for Foods and Food Products. B. Heller & Company. 27,585; July 15.
Zoo Shoe. For Shoe Cartons. Fargo Hallowell Shoe Co 27,577; July 15.

ALPHABETICAL LIST OF PRINTS.

A New Note in Hosiery. For Hosiery. Cadet Knitting Company. 7,478; July 15.
Bromo-Seltzer Needle Book. For Bromo-Seltzer. Luther E. Martin Company. 7,482; July 15.
Figure the Difference. For Cottonseed. Summerour & Son. 7,484; July 15.
Frost—When it comes too soon. For Cottonseed. Summerour & Son. 7,485; July 15.
Les Poudres de Coty. For Powders. Coty, Inc. 7,480; July 15.
On Time Since 1881. For First-Mortgage Gold Bonds. Cochran & McClner Company. 7,479; July 15.
$1000.00 Guaranteed Rat and Mice Killer. For Insecticide for Killing Rats and Mice. B. Heller & Company. 7,481; July 15.
Roper Complete Oven Control. For Gas and Electric Ranges. Geo. D. Roper Corporation. 7,483; July 15.
Stop a Minute and Study that Label! For Athletic Underwear. B. V. D. Company. 7,477; July 15.
Whitman's Chocolate Covered Fruits and Nuts. For Chocolate-Covered Fruits and Nuts. Stephen F. Whitman & Son, Inc. 7,487; July 15.
Why It Makes More. For Cottonseed. Summerour & Son. 7,486; July 15.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbot, Charles G., Washington, D. C., assignor to General Electric Company. Gyroscopic navigation instrument. 1,501,886; July 15.
Abrahams, Max, New York, N. Y. Acoustic horn. 1,501,032; July 15.
Acken, Thomas L. (See Eckrode, C. E., Acken, and Weiland.)
Ahlers, Robert H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Armature-constructing fixture. 1,501,510; July 15.
Aktiebolaget Abjörn Anderson. (See Fredriksson, N., Härstedt, and Lindberg, assignors.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Vapormckumulator. (See Ruths, Johannes K., assignor.)
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,501,033; July 15.
Alexander, Bony H., assignor of seven-twentieths to J. P. Rogers and five-twentieths to L. E. Barr, Lexington, Miss. Tractor. 1,501,639; July 15.
Alexander, David A., Rochester, N. Y. Alarm device. 1,501,260; July 15.
Alexander, Robert E., Tulsa, Okla. Jack frame for oil wells. 1,501,034; July 15.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,501,830; July 15.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,501,831; July 15.
Allin, Edwin F., Oklahoma City, Okla. Hair clippers. 1,501,737; July 15.
Aman, Josephine. (See Hartenstein, Willy, assignor.)
Amend, Jacob E., assignor of one-half to H. B. Richardson, Lovell, Wyo. Motor-vehicle battery box. 1,501,832; July 15.
American Machine & Foundry Company. (See Millring, Edwin R., assignor.)
American Optical Company. (See Wrighton, William J., assignor.)
American Radiator Company. (See Howell, Frank B., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Steel and Wire Company of New Jersey, The. (See Boley, Ernst, assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Wiremold Company, The. (See Frederickson, Otto A., assignor.)
Ansel, Joseph S., Brooklyn, N. Y. Collapsible bathtub. 1,501,833; July 15.
Andersen, Andrew C. (See Edgar, F. M., and Andersen.)
Anderson, Carl J., assignor, by mesne assignments, to Extenso Rock Corporation, Ann Arbor, Mich. Display holder. 1,501,087; July 15.
Anderson, Edgar W., assignor to Invincible Metal Furniture Company, Manitowoc, Wis. Lock mechanism. 1,501,640; July 15.
Anderson, Herman L., Minneapolis, Minn. Trestle for supporting a scaffold. 1,501,088; July 15.
Anderson, John F., Oakland, Calif. Salting machine. 1,501,297; July 15.
Andrews Crane Corporation. (See Andrews, Donald S., assignor.)
Andrews, Donald S., assignor to Andrews Crane Corporation, Cleveland, Ohio. Hoisting and conveying device. 1,501,035; July 15.
Andrews, Joseph F., Memphis, Tenn. Fountain brush. 1,501,089; July 15.
Anthony, Alois, Baltimore, Md. Woodworking machine. 1,501,429; July 15.
Armitage, Cyrus W., Canby, Minn. Ladder bracket. 1,501,298; July 15.
Armstrong, James A., et al. (See Eacrett, Alfred L., assignor.)
Armstrong, William, Drinkwater, Saskatchewan, Canada. Flying machine. 1,501,299; July 15.
Atwood, Eugene, assignor to The Atwood Machine Company, Stonington, Conn. Spindle-driving mechanism. 1,501,579; July 15.
Atwood Machine Company, The. (See Atwood, Eugene, assignor.)
Austin Manufacturing Co. (See Beatty, W. T., Davis, and Wilson, assignors.)
Automatic Electric Company. (See Lomax, Clarence E., assignor.)
Automatic Electric Company. (See Ray, Arthur J., assignor.)
Automatic Straight Air Brake Company. (See Neal, Spencer G., assignor.)
Autopoint Manufacturing Company. (See Keeran, Charles R., assignor.)
Avery, Anne A., Hollywood, Calif. Statuette. Des. 65,155; July 15.
Bachelder, David S., Decatur, Ill. Brace for fenders. 1,501,834; July 15.
Bacon, William J., et al. (See Inge, Arthur M., assignor.)
Baird, Samuel, London, England. Box and container for for cigars, cigarettes, and the like. 1,501,696; July 15.
Baker, William F., Wayne, Pa. Game board. 1,501,641; July 15.
Baker, William J., Newport, Ky. Device for forming metallic objects. 1,501,388; July 15.
Baker, William J., Newport, Ky. Machine for forming metallic strips. 1,501,389; July 15.
Barman, Louis M., Holborn, London, assignor to Roneo Limited, London, England. Addressing machine or like printing machines. 1,501,697; July 15.
Barr, Hugh M. and G. Edgar, Pensacola, Fla. Steam blower. 1,501,090; July 15.
Barr, L. E., et al. (See Alexander, Bony H., assignor.)
Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,501,159; July 15.
Bash, Charles, Brookline, Mass., assignor of one-half to Herrick, Denver, Colo. Toothbrush container. 1,501,835; July 15.
Bass, E. & J., Inc. (See Souter, Alwin F., assignor.)
Bassett, Melda E., Los Angeles, Calif. Toilet article. 1,501,547; July 15.
Bate, John W., Racine, Wis. Adjustable step jack. 1,501,548; July 15.
Baumann, Milton C., and H. M. Rinehart, assignors to Dayton-Wright Company, Dayton, Ohio. Aeroplane structure. 1,501,549; July 15.
Baumann, Milton C., assignor to Dayton-Wright Company, Dayton, Ohio. Standard stick control. 1,501,550; July 15.
Baxter, John B., assignor to Covert Manufacturing Co., Troy, N. Y. Spring-tongue snap hook. 1,501,738; July 15.
Bay, John S., Denver, Colo. Bridge signal. 1,501,301; July 15.
Bayles, Albert J., Melrose Park, Ill. Back rest. 1,501,300; July 15.
Beagle, Victor E., Alexandria, Va. Curb-box and cock support. 1,501,511; July 15.
Beam, Robert, Kalamazoo, assignor to H. M. Lowe, Battle Creek, Mich. Crutch. 1,501,580; July 15.
Beatty, William T., Flossmoor, Ill. Combination grader-maintainer blade for road machines. 1,501,262; July 15.
Beatty, William T., Flossmoor, F. S. Davis, Homewood, and F. D. Wilson, Harvey; said Davis and Wilson assignors to Austin Manufacturing Co., Chicago, Ill. Road maintainer. 1,501,261; July 15.
Beauchamp, Clark W., Somers, Mont. Chain lock. 1,501,302; July 15.
Beautebox, Inc. (See Fritzsche, George H., assignor.)
Beckert, Albert R., Lynn, Mass., assignor to General Electric Company. Indicating instrument. 1,501,698; July 15.
Beiger, John W., Mishawaka, Ind., assignor to Beiger Veneer Company, Kelso, Wash. Machine for cutting veneer. 1,501,551; July 15.
Beiger Veneer Company. (See Beiger, John W., assignor.)
Beitz, William H., Lomira, Wis. Valve facer. 1,501,836; July 15.
Bejach, L. D., et al. (See Inge, Arthur M., assignor.)
Bell, George A., Belmont, N. H. Timepiece holder for steering wheels. 1,501,474; July 15.
Bellalbero, Mario, New York, N. Y. Brick scraper. 1,501,195; July 15.
Bellingall, R. R., et al. (See Hiller, Stanley, assignor.)
Benedek, Alfred, New York, N. Y. Bath mat. 1,501,739; July 15.
Benjamin, Clarence F., Milford, Conn. Mechanic's instrument. 1,501,837; July 15.

Benjamin, Dana H., Cleveland, assignor to H. C. Benjamin, Cleveland Heights, Ohio. Centrifugal extractor. 1,501,642; July 15.
Benjamin, E. V., Company, The. (See Case, William, assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, R. B., and Warner, assignors.)
Benjamin, Henrietta C. (See Benjamin, Dana H., assignor.)
Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug cluster. Des. 65,156; July 15.
Benner, Raymond C., Bayside, and H. H. Thompson, Flushing, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Water-activated reserve cell. 1,501,091; July 15.
Bennett, Philander L., Chicago, Ill. Shale retort. 1,501,881; July 15.
Benois, Edouard P., Paris, France, assignor to Coty, Inc., New York, N. Y. Bottle. Des. 65,157; July 15.
Bent, Henry B., Harrisburg, assignor to Bethlehem Steel Company, Bethlehem, Pa. Railway rail. 1,501,092; July 15.
Bergman, William G., Point Place, Ohio. Gas and air reversing valve. 1,501,552; July 15.
Bernard, Oscar C., El Paso, Tex. Coin handler. 1,501,430; July 15.
Berry, Thomas R., Lead, S. Dak. Valve. 1,501,303; July 15.
Berry, Titus E. (See Burtnett, E. R., and Berry.)
Best, Clarence L., assignor to C. L. Best Gas Traction Company, San Leandro, Calif. Clutch-control mechanism. 1,501,740; July 15.
Best, C. L., Gas Traction Company. (See Best, Clarence L., assignor.)
Best, Frank E., Seattle, Wash. Parachute and means for launching same. 1,501,431; July 15.
Bethlehem Steel Company. (See Bent, Henry B., assignor.)
Bethlehem Steel Company. (See Coffey, John J., assignor.)
Bettcher Stamping & Manufacturing Company, The. (See Peters, C. H., and Bump, assignors.)
Biehn, Hobart G. (See Neumeyer, Horace F., assignor.)
Biggs, Robert M., Wakefield, Mass. Kitchen utensil. 1,501,741; July 15.
Bigler, Oscar A., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Building material. 1,501,512; July 15.
Blabon, George W., Company, The. (See Tamberlin, John, assignor.)
Blancard & Co. (See Mountford, Thomas, assignor.)
Bleakley, Purling A., Los Angeles, Calif. Painting, cleaning, sand-blasting, and general-utility air brush. 1,501,432; July 15.
Bliffert, Walter J., Milwaukee, Wis. Manifold gasket. 1,501,196; July 15.
Bliss, Elmer F., Alpians, N. Y., assignor to General Electric Company. System of electric distribution. 1,501,699; July 15.
Bliss, E. W., Company. (See Strout, Robert W., assignor.)
Blower, Joseph W., Columbus, Ohio. Coal-cutting machine. 1,501,093; July 15.
Blume, George F., Philadelphia, Pa. Bathroom unit. 1,501,197; July 15.
Blumenthal, Maurice, and E. G. Gardner, Brooklyn, N. Y. Concrete pile and means for and method of producing same. 1,501,643; July 15.
Blumenthal, Sidney, & Co. (See Gowans, James, assignor.)
Boberg, Teofron, assignor to Techno-Chemical Laboratories, Limited, Clapham Park, London, England. Drying process and apparatus. 1,501,514; July 15.
Boberg, Teofron, Clapham Park, London, assignor to Techno-Chemical Laboratories Limited, London, England. Drying process and apparatus therefor. 1,501,513; July 15.
Bochter, Carl, Gunzburg, Germany. Preparing raw linen for bleaching operations. 1,501,553; July 15.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,501,264; July 15.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,501,263; July 15.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,501,265; July 15.
Boehm, Reinhold, Berlin-Johannisthal, assignor to A. Morgan, Berlin, Germany. Motor vehicle. 1,501,304; July 15.
Bogard, Frank T., assignor to R. H. Marchant, Oakland, Calif. Toilet flush valve. 1,501,433; July 15.
Bogdanffy, Alexander, Brooklyn, N. Y. Feeding attachment for crown-cork-making machines. 1,501,700; July 15.
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Backplate for lighting fixtures. Des. 65,159; July 15.
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Chandelier. Des. 65,160; July 15.
Bohl, Hugo E., Bayonne, N. J., assignor to Radiant Lighting Fixture Co., Inc. Husk for lighting fixtures. Des. 65,158; July 15.
Boisvert, Joseph L., Bourbonnais, Ill. Poultry house. 1,501,742; July 15.
Boley, Ernst, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Drawing wire continuously. 1,501,305; July 15.
Bolton, Frank A., London, England. Container for holding and delivering powder. 1,501,390; July 15.
Bond Foundry and Machine Company. (See B. Owen, James, assignor.)
Booth, William N., Detroit, Mich. Demountable-rim-securing device for vehicle wheels. 1,501,581; July 15.
Boren, Gustave M., Chicago, Ill. Connecter for electric wires. 1,501,160; July 15.
Bornhauser, Otto E., and J. E. Herman, Sandusky, Ohio. Mold for making building blocks. 1,501,644; July 15.
Bosshard, John J. (See Reich, E., and Bosshard.)
Bostian, Homer C., assignor of one-fourth to J. N. Marshall, one-fourth to W. J. Sheehy, and one-fourth to E. W. Joyce, East Rochester, N. Y. Rail-drilling apparatus. 1,501,516; July 15.
Bowen, James, assignor to Bond Foundry and Machine Company, Mannheim, Pa. Caster wheel. 1,501,743; July 15.
Boyle, Michael J., Chicago, Ill. Poppet valve. 1,501,036; July 15.
Boynton, Alexander, San Antonio, Tex. Bailer. 1,501,306; July 15.
Boyuls, Cecil H., Louisville, Ky. Garment former. 1,501,307; July 15.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-welding electrode. 1,501,266; July 15.
Brander, George, et al. (See Robbins, Patrick, assignor.)
Branson, John W., Wallace, Va. Brooder stove. 1,501,434; July 15.
Braucher, Edward F., Denver, Colo. Advertising disk for automobile wheels. 1,501,094; July 15.
Brawner, Henry P., Baltimore, Md. Sifter top for containers. 1,501,037; July 15.
Breneman, Harry C., assignor to The Capitol Shade Roller Company, Cincinnati, Ohio. Paper shade roller and forming. 1,501,391; July 15.
Breslauer, Joseph, and C. Goudet, assignors to the Firm: Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Fertilizer and the manufacture of same. 1,501,645; July 15.
Bridge, Arthur F., assignor of one-fourth to M. R. Thompson and one-fourth to F. S. Wade, Los Angeles, Calif. Gas holder. 1,501,267; July 15.
Bridge, Arthur F., assignor of one-fourth to M. R. Thompson and one-fourth to F. S. Wade, Los Angeles, Calif. Gas holder. 1,501,268; July 15.
Brigham, Nelson E., South Hadley Falls, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump. 1,501,435; July 15.
Brilhart, Samuel B., New York, N. Y. Car truck. 1,501,744; July 15.
Brock, George F., Hancock, Mich. Hammer. 1,501,095; July 15.
Brock, Norman L., et al. (See Rudkin, Edwin C., assignor.)
Brockman, Daniel C., assignor of one-half to J. L. Whiteley, Phippsburg, Colo. Vehicle direction indicator. 1,501,198; July 15.
Brooks, Stephen H., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Pressure and vacuum release valve. 1,501,038; July 15.
Brooks, Walter J. (See Rauch, Frederick M., assignor.)
Brown and Sharpe Manufacturing Company. (See Townsend, Herbert E., assignor.)
Brown, Stanley, Garden City, assignor to The Griscom-Russell Company, New York, N. Y. Evaporator coil. 1,501,646; July 15.
Brubaker, William A., Akron, Ohio. Cushion Tire. Re15,872; July 15.
Brush, Howard R., Chicago, Ill. Extensible automobile construction. 1,501,701; July 15.
Bruman, Otto F. (See Graetzer, O., and Bruman.)
Brunell, Homer A. (See Burtnett, E. R., assignor.)
Brunn, William H., Waterloo, Iowa. Puzzle. 1,501,554; July 15.
Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)
Builders Iron Foundry. (See Connet, Frederick N., assignor.)
Bump, Edward D. (See Peters, C. H., and Bump.)
Bunting Brass & Bronze Company, The. (See Donaldson, Augustus F., assignor.)
Burke Electric Company. (See Burke, James, assignor.)
Burke, James, Erie, Pa., assignor to Burke Electric Company. Dynamo-electric machine. 1,501,878; July 15.
Burnett, Alexander S., Reddish, and T. Collins, assignors of one-half to Francis Shaw and Company, Limited, Manchester, England. Clutch-controlled gearing. 1,501,199; July 15.
Burney, Frank, jr., Thomasville, Ga. Artificial arm. 1,501,308; July 15.
Burrows, Charles H. (See Nelson, D., and Burrows.)
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,501,393; July 15.

Burtnett, Everett R., and T. E. Berry, Los Angeles, Calif.; said Burtnett assignor to said Berry. Valve gear for internal-combustion engines. 1,501,392; July 15.
Burton, Charles S., Oak Park, Ill. Container for music rolls and the like. 1,501,309; July 15.
Buscher, Hermann, Langerfeld, near Barmen, Germany, assignor to M. Henkels, New York, N. Y. Lace-braiding machine. 1,501,394; July 15.
Buzza, George E., Minneapolis, Minn. Support for mottoes and the like. 1,501,555; July 15.
Calco Chemical Company. (See Crossley, Moses L., assignor.)
Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)
Campbell, Alphonso S., West Medford, assignor, by mesne assignments, to A. S. Campbell Company, Boston, Mass. Window for vehicles. 1,501,702; July 15.
Campbell, Alphonso S., West Medford, assignor to A. S. Campbell Company, Boston, Mass. Curtain window. 1,501,703; July 15.
Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Hood for typewriting machines. Des. 65,161; July 15.
Campbell, Thaddeus C., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Shaft coupling. 1,501,647; July 15.
Campion, Jane, Chico, Calif. Hen-marking device. 1,501,200; July 15.
Canning, John E., deceased, Denver, Colo.; S. C. Warner, administrator, assignor to The Dental Specialty Company. Dental mandrel. 1,501,269; July 15.
Capitol Shade Roller Company, The. (See Breneman, Harry C., assignor.)
Carey, Philip, Manufacturing Company, The. (See Bigler, Oscar A., assignor.)
Carr, Edward G., Oakland, Calif. Apparatus for compacting concrete. 1,501,039; July 15.
Carroll, Francis, Yonkers, N. Y. Metallic pencil. 1,501,745; July 15.
Carter, Martin W., Toccoa, Ga. Washing machine. 1,501,746; July 15.
Case, William, St. Louis, Mo., assignor to The E. V. Benjamin Company, Inc., New Orleans, La. Hemming machine. 1,501,747; July 15.
Cates, Laurence A., Grand Island, Nebr. Ventilating fan. 1,501,201; July 15.
Cavicchi, Roland, Quincy, Mass. Clothesline hanger. 1,501,096; July 15.
Chambers, Cornelius Shirley, England. Liquid-delivery tap. 1,501,310; July 15.
Chapman, Ray K., and E. G. Messer, Elma, Wash. Suspended cable carrier. 1,501,748; July 15.
Chase, Aurin M., Syracuse, N. Y. Endless track for tractors. 1,501,097; July 15.
Chemical Foundation, Inc., The. (See Eberlein, Wilhelm, assignor.)
Chemical Foundation, Inc., The. (See Hassler, Franz, assignor.)
Cheshire, Edward, Berlin Township, Waukegan County, Wis., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Sheet separator. 1,501,582; July 15.
Childs, Wallace, Kansas City, Mo. Spring wheel. 1,501,583; July 15.
Chizewer, Charles, Chicago, Ill. Knife sharpener. 1,501,749; July 15.
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. 1,501,517; July 15.
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition-system control. 1,501,518; July 15.
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting device. 1,501,519; July 15.
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Starting and generating system. 1,501,520; July 15.
Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. 1,501,521; July 15.
Chryst, William A. (See Hunt, J. H., and Chryst.)
Chryst, William A. (See Kettering, C. F., and Chryst.)
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condenser-type interrupter. 1,501,270; July 15.
Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
Clark, Edgar H. (See Lundell, A. E., and Clark.)
Clark, Ezra E., Newtonville, Mass. Locking mechanism for dry-pipe valves. 1,501,098; July 15.
Clark, Omar E., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Hoisting mechanism. 1,501,099; July 15.
Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Aircraft observation window. 1,501,522; July 15.
Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Airplane. 1,501,523; July 15.
Clarke, Oliver H., Washington, D. C., assignor, by mesne assignments, to Clymer Manufacturing Company, Denver, Colo. Spot or search light assembly. 1,501,704; July 15.
Claude, Georges, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Synthesis of ammonia. 1,501,436; July 15.
Clymer Manufacturing Company. (See Clarke, Oliver H., assignor.)
Coble, Walter. (See Langston, William C., assignor.)
Cochran, Guy, et al. (See Floyd, Victor C., assignor.)
Coffey, John J., Bethlehem, Pa., assignor to Bethlehem Steel Company. Stamp holder. 1,501,100; July 15.
Cohen, Anchel, Pittsburgh, Pa. Safety device for window cleaners. 1,501,438; July 15.
Colby, Myrtle, Calexico, Calif. Hairpin. 1,501,750; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp bracket. Des. 65,162; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp base. Des. 65,163; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp bracket. Des. 65,164; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp base. Des. 65,165; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp bracket. Des. 65,166; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp base. Des. 65,167; July 15.
Collins, Frank, assignor to Sunset Lighting Fixture Company, Inc., New York, N. Y. Lamp bracket. Des. 65,168; July 15.
Collins Safety Razors. (See Hasselquist, Hugo S., assignor.)
Collins, Thomas. (See Burnett, A. S., and Collins.)
Colson, August R., Cincinnati, Ohio. Vehicle. 1,501,271; July 15.
Columbia Phonograph Company. (See Yerkes, Hulbert A., assignor.)
Connell, William B., Dallas, Tex. Automobile spring suspension. 1,501,475; July 15.
Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Electrical signaling apparatus. 1,501,437; July 15.
Connor, Benjamin J. (See Crannell, Charles W., assignor.)
Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,501,648; July 15.
Cook, Coleman F., Cincinnati, Ohio. Filing system. 1,501,439; July 15.
Cook, Samuel, Stamford, Conn. Oil burner for furnaces. 1,501,838; July 15.
Cooke, Hereward L., Princeton, N. J. Means for distorting images of pictures or natural objects. 1,501,161; July 15.
Cooper, William, New Orleans, La., assignor of one-half to J. A. Marck, New York, N. Y. Brake. 1,501,[illegible] July 15.
Coplan, Archibald H., Ottawa, Ontario, Canada. Steel and producing same. 1,501,202; July 15.
Corby, Henry J., and R. H. Thompson, Dayton, Ohio; said Corby assignor to said Thompson. Tire rim. 1,501,272; July 15.
Corning Glass Works. (See Said, J. M., and Gray, assignors.)
Coty, Inc. (See Benois, Edouard P., assignor.)
Cousins, Philip J., Brooklyn, N. Y. Adjustable lighting fixture. 1,501,524; July 15.
Covert Manufacturing Co. (See Baxter, John B., assignor.)
Cowan, Charles O., Palo Alto, Calif. Wall sheathing. 1,501,476; July 15.
Cox, James W., Wilmette, Ill. Ejector valve. 1,501,040; July 15.
Cox, Sirrel T., assignor to E. A. Wolff Omaha, Nebr. Stop for window sash. 1,501,584; July 15.
Coysh, Reginald S., Calgary, Alberta, Canada. Typewriter attachment. 1,501,312; July 15.
Crannell, Charles W., assignor of one-half to B. J. Connor, Chappel, Nebr. Metal-working tool. 1,501,751; July 15.
Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Protected metal and making it. 1,501,887; July 15.
Crase, Charles D., Jonesdale, Wis. License plate. 1,501,839; July 15.
Crittenden, Kenneth, Highland Park, Mich. Current regulator. 1,501,395; July 15.
Crnogoy, Jan, St. Louis, Mo. Collar fastener. 1,501,273; July 15.
Crossley, Moses L., Somerville, assignor to Calco Chemical Company, Boundbrook, N. J. 6, 8-dimethyl-2-phenylquinoline-4-carboxylic acid and making same. 1,501,274; July 15.
Crossley, Moses L., Somerville, assignor to Calco Chemical Company, Boundbrook, N. J. Ester of 6, 8-dimethyl-2-phenylquinoline-4-carboxylic acid and producing the same. 1,501,275; July 15.
Crossley, Orrin W., Oklahoma City, Okla. Cooker. 1,501,203; July 15.

Croswhite, Cecile E., Kansas City, Mo. Vanity case. 1,501,525; July 15.
Crotty, Jere E., Chicago, Ill. Cigarette-making device. 1,501,313; July 15.
Crumley, Le Roy A., New York, N. Y., assignor to The Ferro-Art Lighting Fixture Co., Inc. Lighting fixture. Des. 65,169; July 15.
Crumley, Le Roy A., New York, N. Y., assignor to The Ferro-Art Lighting Fixture Co., Inc. Lighting-fixture arm or similar article. Des. 65,170; July 15.
Crumley, Le Roy A., New York, N. Y., assignor to The Rogers Silver Plate Co. Backplate for lighting fixtures. Des. 65,171; July 15.
Cruver, Curtis L., Chicago, Ill. Game device. 1,501,276; July 15.
Cullen, Ernest E., New Baltimore, assignor of one-half to G. E. Vernier, Fair Haven, Mich. Wrench attachment for hammers. 1,501,585; July 15.
Cullen, Ernest E., New Baltimore, assignor of one-half to G. E. Vernier, Fair Haven, Mich. Triple-jawed wrench attachment for hammers. 1,501,586; July 15.
Cullen, Ernest E., assignor of one-half to R. H. Reiter, New Baltimore, Mich. Saw-blade holder. 1,501,752; July 15.
Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Knife and holder. 1,501,162; July 15.
Cummings, George C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer. 1,501,649; July 15.
Cummins, Edmund R. (See Hart, Alice M., assignor.)
Cunningham, Harry J., and C. G. A. Rosén, assignors to Tung Foon Company, San Francisco, Calif. Counterset. 1,501,477; July 15.
Cunningham, Samuel P., Beaumont, Tex. Oiling device for internal-combustion motors. 1,501,277; July 15.
Curtis, Arthur R., Cleveland, Ohio. Extractor drive mechanism. 1,501,163; July 15.
Curtis, James J., New York, N. Y. Quoin. 1,501,753; July 15.
Cutler, Henry H., Brookline, Mass. Internal-combustion engine. 1,501,041; July 15.
Cutter, George, Company. (See Townsend, John R., assignor.)
Cutting, Henry C. (See English, W. P., and Cutting.)
Cytron, Julius, Tulsa, Okla. Tape dispensing and moistening device. 1,501,754; July 15.
D. & W. Specialty Company. (See Demmer, Paul E., assignor.)
Dailey, Robert L., McRae, Ark. Crate. 1,501,314; July 15.
Daily, Roy L., et al. (See Hiller, Stanley, assignor.)
Dana, Hans P., Tacoma, Wash. Combination cabinet and table. 1,501,440; July 15.
Dankworth, James E., Ballinger, Tex. Dispensing apparatus. 1,501,755; July 15.
Danly, Robert C., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Drum and cymbal beater. 1,501,278; July 15.
Darlington, Philip J., Boston, Mass. Means for storing standard measuring devices. 1,501,164; July 15.
Darnell, Roy C. (See Short, C. R., and Darnell.)
Darrah, William A., Chicago, Ill. Making bread. 1,501,527; July 15.
Darrow, Burgess, Huntington Park, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rim. 1,501,478; July 15.
Davis, Frank S. (See Beatty, W. T., Davis, and Wilson.)
Davis, Joseph, assignor to The Insel Company, Newark, N. J. Display case. 1,501,528; July 15.
Davis, Roy P. M., Mount Union, Pa. Method and apparatus for making brick. 1,501,479; July 15.
Dawley, James C. (See Ripsch, C. W., and Dawley.)
Day, Philander B., Vinita, Okla. Road drag. 1,501,880; July 15.
Dayton Engineering Laboratories Company, The. (See Ahlers, Robert H., assignor.)
Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
Dayton Engineering Laboratories Company, The. (See Hunt, J. H., and Chryst, assignors.)
Dayton Engineering Laboratories Company, The. (See Hunt, J. H., and Fitzsimmons, assignors.)
Dayton Engineering Laboratories Company, The. (See Hunt, J. H., and Wallace, assignors.)
Dayton Engineering Laboratories Company, The. (See Kettering, Charles F., assignor.)
Dayton Engineering Laboratories Company, The. (See Schwarz, Elmer H., assignor.)
Dayton Engineering Laboratories Company, The. (See Woolson, Lionel M., assignor.)
Dayton-Wright Company. (See Baumann, Milton C., assignor.)
Dayton-Wright Company. (See Baumann, M. C., and Rinehart, assignors.)
Dayton-Wright Company. (See Clark, Virginius E., assignor.)
Dayton-Wright Company. (See Driggs, Ivan H., assignor.)
Dayton-Wright Company. (See Geyer, Harvey D., assignor.)
Dayton-Wright Company. (See Herbig, Elwood H., assignor.)
Dayton-Wright Company. (See Lewis, Robert P., assignor.)
Decorative Fixture Company. (See Wolfe, Arthur J., assignor.)
Decoux, Robert, Ceney, Belgium. Change-speed apparatus. 1,501,705; July 15.
Deguide, Camille, Enghien, France. Manufacture of barium cyanide. 1,501,840; July 15.
Deiller, Eugene M., Irvington, N. J. Tobacco stripping and booking machine. 1,501,441. July 15.
De Laske & Thropp Circular Woven Tire Company, The. (See Thropp, John E., assignor.)
Delco-Light Company. (See Hunt, John H., assignor.)
Delco-Light Company. (See Kellholtz, Lester S., assignor.)
Delco-Light Company. (See Kettering, Charles F., assignor.
Delco-Light Company. (See Kettering, C. F., and Chryst, assignors.)
Delco-Light Company. (See Lee, Ralph L., assignor.)
Delco-Light Company. (See McCuen, Charles L., assignor.)
Delco-Light Company. (See Midgley, Thomas, jr., assignor.)
Dement, Percy W. C., Kilbirnie, Wellington, New Zealand. Means for securing locks. 1,501,315; July 15.
Dement, Percy W. C., Kilbirnie, Wellington, New Zealand. Device for preventing the turning or withdrawal of cylinder locks. 1,501,316; July 15.
De Mier, Fred. Picher, Okla. Classifying apparatu 1,501,204; July 15.
Demmer, Paul E., assignor to D. & W. Specialty Company, San Jose, Calif. Breaker mechanism for distributors 1,501,442; July 15.
Dental Specialty Company, The. (See Canning, John E., assignor.)
Denver Rock Drill Manufacturing Company, The. (See Clark, Omar E., assignor.)
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,172; July 15.
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,173; July 15.
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,174; July 15.
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,175; July 15.
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,176; July 15.
D'Etreillis, Jeanne, New York, N. Y. Nightdress. Des. 65,177; July 15.
D'Etreillis, Jeanne, New York, N. Y. Corset cover. Des. 65,178; July 15.
D'Etreillis, Jeanne, New York, N. Y. Jacket. Des. 65,179; July 15.
D'Etreillis, Jeanne, New York, N. Y. Chemise. Des. 65,180; July 15.
Dictograph Products Corporation. (See Koch, Henry, assignor.)
Dictograph Products Corporation. (See Wohlers, Friedrich H. N., assignor.)
Dienstbach, Charles F., and J. W. Knemmerle, St. Louis, Mo. Sanding device for automobiles. 1,501,650; July 15.
Dischler, John, Adams, Wis. Spring vehicle wheel. 1,501,757; July 15.
Dixon, William O., Dexter, Mo. Dump bed and body. 1,501,205; July 15.
Donaldson, Augustus F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Broaching machine. 1,501,317; July 15.
Donnelly, Edward F., Malden, Mass. Flush valve. 1,501,318; July 15.
Dooley, Joseph R., assignor of one-half to C. W. Vink, Mobile, Ala. Railroad-rail brace. 1,501,319; July 15.
Doran, Daniel A., Yonkers, N. Y. Mail elevator. 1,501,529; July 15.
Doremus, Charles A., assignor to Titanium Pigment Company, Inc., New York, N. Y. Titanic-oxide concentrate and producing the same. 1,501,587; July 15.
Dority, Frederick F. (See Peacock, J., McClellan, and Dority.)
Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor to the Firm Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Carriage for flying machines. 1,501,396; July 15.
Dornier, Claudius, assignor to the Firm Dornier, Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Aircraft carriage. 1,501,397; July 15.
Dornier Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
Dow Chemical Company, The. (See Van Winkle, William A., assignor.)
Dow, Fred T., Bangor, Me. Making peat briquettes. 1,501,101; July 15.
Downs, James C., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Electrolytic process and cell. 1,501,756; July 15.
Drachenberg, Carl L., Houston, Tex. Refrigerator. 1,501,320; July 15.
Drees, Michael A., Milwaukee, Wis. Circulating pump. 1,501,758; July 15.
Dreyfus, Henry, London, England. Plastic containing cellulose acetate. 1,501,206; July 15.
Dreyfus, Henry, London, England. Manufacture of cellulose derivatives. 1,501,207; July 15.
Driggs, Ivan H., assignor to Dayton-Wright Company, Dayton, Ohio. Airplane. 1,501,530; July 15.

Drummond, Aubrey J., New York, N. Y., assignor to Kuhne Identification Systems, Inc. Taking finger-prints. 1,501,841; July 15.
Drying Systems, Inc. (See Harrison, Burt S., assignor.)
Dube, August W., Lexington, Tex. Process of and apparatus for making concrete walls. 1,501,707; July 15.
Ducasse, Louis H., Alexandria, South Africa. Tube scraper. 1,501,759; July 15.
Duckham, Arthur M., London, England. Fixation of nitrogen. 1,501,760; July 15.
Duda, Franz, Vienna, Austria. Camera for photographing quickly-moving objects. 1,501,842; July 15.
Duncan, Lindsay, and C. P. Upton, San Francisco, Calif. Illuminated sign. 1,501,102; July 15.
Dunning, Isaac W., and H. C. Shipley, Wapanucka, Okla.; said Shipley assignor of his interest to L. McHee. Combination road and farm drag. 1,501,892; July 15.
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 1,501,042; July 15.
Duratex Corporation. (See Wilson, John A., assignor.)
Duriron Company, The. (See Jacobsen, Oystein, assignor.)
Durnell, Cecil M., and R. Welsh, Utica, Ky. Window-shade bracket. 1,501,843; July 15.
Duxbury, John A., Balidon, England. Metal-cutting machinery. 1,501,043; July 15.
Dwoirin, Max, Chicago, Ill. Plait-holder. 1,501,044; July 15.
DX Instrument Company. (See Hipple, Solomon R., assignor.)
Dye, Joseph W., Long Beach, Calif. Handle. 1,501,480; July 15.
Dyer, Ernest L., Beverley Hills, and A. R. Heise, Redondo, Calif. Separating mixtures of liquids. Re15,871; July 15.
Eacrett, Alfred L., Hollywood, assignor of one-third to J. A. Armstrong, and one-third to H. M. O'Malley, Los Angeles, Calif. Score-registering device for golf and the like. 1,501,398; July 15.
Earl, George. (See Wallin, Joel L., assignor.)
Earnshaw, William B., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,501,531; July 15.
Eberlein, Wilhelm, Ahrensburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Decolorizing medium for oils, fats, and other liquids, and making same. 1,501,321; July 15.
Eckrode, Clement E., New Brunswick, T. L. Acken, Newark, and A. Welland, East Orange, assignors to Pneumatic Appliances Corporation, New Brunswick, N. J. Shock absorber. 1,501,844; July 15.
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Van Ness, Henry E., assignor.)
Edgar, Frank M., and A. C. Andersen, assignors to Ternstedt Mfg. Co., Detroit, Mich. Antirattling device. 1,501,322; July 15.
Edgar, George. (See Barr, H. M., and Edgar.)
Edwards, William A., Chicago, Ill. Fuel converter. 1,501,323; July 15.
Egler, Nickolas F., Chicago, Ill. Furnace. 1,501,532; July 15.
Eisele, Logan, Nashville, Tenn. Container for hypodermic needles. 1,501,324; July 15.
Elliott, Lloyd L., et al. (See Hughes, Cora E., assignor.)
Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,501,325; July 15.
Ellis, Herbert R., assignor of one-half to S. Tansill, Fredericksburg, Va. Chair attachment for tables. 1,501,443; July 15.
Ellison, Joseph D., Pittsburgh, Pa. Measuring instrument. 1,501,588; July 15.
Elwood, Grace E. (See Hoover, Charles W., assignor.)
Elyria Iron and Steel Company, The. (See Johnston, Gustave V., assignor.)
English, Walter P., and H. C. Cutting, San Francisco, Calif. Hydraulic brake. 1,501,444; July 15.
Erzig, Nicholas J., Chicago, Ill. Coffee urn. 1,501,165; July 15.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Conjugate signaling circuits. 1,501,103; July 15.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Multiplex radio system. 1,501,104; July 15.
Evenson, Lyth F., deceased, Silverton, Oreg.; N. Evenson, executrix. Adjustable feed for fountain pens. 1,501,761; July 15.
Evenson, Nora, executrix. (See Evenson, Lyth F.)
Ewing, Frank D., assignor of one-half to O. W. Gibson, Cedar Rapids, and one-half to W. A. Norton, Marshalltown, Iowa. Gasoline vender. 1,501,556; July 15.
Extenso Rock Corporation. (See Anderson, Carl J., assignor.)
Farnham, Frank E., assignor to The Jewelers Supply Company, Incorporated, Providence, R. I. Safety catch for brooches and the like. 1,501,845; July 15.
Farquharson, Irving W., Media, Pa. Flour sifter. 1,501,166; July 15.
Fauser, Gustave M., assignor to Tingue Manufacturing Company, New York, N. Y. Textile fabric. Des. 65,181; July 15
Feasel, Louis, Sturgis, Mich. Adjustable chair. 1,501,533; July 15.
Federal Manufacturing Company. (See Ollinger, Thomas, assignor.)
Feist, Henry G., Plantsville, Conn. Valve lifter. 1,501,326; July 15.
Ferguson, Harry, Belfast, Ireland. Agricultural implement. 1,501,651; July 15.
Ferguson, Harry, Belfast, Ireland. Agricultural implement. 1,501,652; July 15.
Ferguson, Robert G., Lakewood, N. J. Combination shower bath. 1,501,762; July 15.
Ferguson, Stanley R., Abernethy, Saskatchewan, Canada. Door lock. 1,501,208; July 15.
Ferris, Howard J., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill. Brake for coaster wagons. 1,501,589; July 15.
Ferro-Art Lighting Fixture Co., The. (See Crumley, Le Roy A., assignor.)
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Submarine signaling. 1,501,105; July 15.
Fiberloid Corporation, The. (See Macdonald, George B., assignor.)
Fine, Bernard M., Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J. Cut-off mechanism. 1,501,653; July 15.
Fischer, Philip A., New York, N. Y. Adjustable cap. 1,501,654; July 15.
Fisher, Ernest I., George, Iowa. Tire chain. 1,501,763; July 15.
Fitzsimmons, John T. (See Hunt, J. H., and Fitzsimmons.)
Flagg, Edward B., West Hartford, Conn. Closure for boxes. 1,501,209; July 15.
Flatt, David I., Colorado Springs, Colo. Pulp and juice squeezer. 1,501,210; July 15.
Flint, Warren E., Palisades Park, N. J. Coating device for metallic strips. 1,501,764; July 15.
Floyd, George G., Riverside, Ill. Razor-blade sharpener. 1,501,045; July 15.
Floyd, Victor C., Huntington Park, assignor of one-half to W. Gindorff, and one-tenth to G. Cochran, Los Angeles, Calif. Temporary support for telephone wires. 1,501,590; July 15.
Ferin, Alexander, Edmonton, Alberta, Canada. Peep sight for shotguns. 1,501,211; July 15.
Forkel, Otto, Berlin-Weissensee, Germany. Reversible machine. 1,501,534; July 15.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for surfacing plate glass. 1,501,327; July 15.
Frankel, Adolph, New York, N. Y. Machine for attaching snap fasteners. 1,501,445; July 15.
Frazier, Charles E., assignor to The Guiberson Corporation, Dallas, Tex. Packer. 1,501,481; July 15.
Frederick, C. Sidney. (See Lindell, Samuel J., assignor.)
Frederickson, Otto A., Wethersfield, assignor to The American Wiremold Company, Hartford, Conn., Braiding-machine yarn carrier. 1,501,846; July 15.
Fredriksson, Nils, Stockholm, H. A. E. Hårstedt, and K. G. Lindberg, assignors to Aktiebolaget Abjörn Anderson, Svedala, Sweden. Roofing-tile press. 1,501,535; July 15.
Freese, Herman A., Pasadena, Calif. Arch support. 1,501,765; July 15.
French, John W., New Rochelle, N. Y. Firearm. 1,501,446; July 15.
Fried. Krupp Aktiengesellschaft. (See Schön, L., and Tobien, assignors.)
Friedman, Louis, Muncie, Ind., and D. Wallace, Tulsa, Okla. Flowing device for wells. 1,501,536; July 15.
Fritzsche, George H., Brooklyn, assignor to Beautebox, Inc., New York, N. Y. Box partition. 1,501,537; July 15.
Froberger, Laurent A., Lynn, Mass., assignor to General Electric Company, Controller finger. 1,501,108; July 15.
Fronsoe, Joseph J., and J. Rogalski, Milwaukee, Wis. Concrete-form clamp. 1,501,212; July 15.
Fuller, Geo. H., & Son Company. (See Hanisch, Otto C., assignor.)
Furlan, John G., assignor to Furlan Nut Machinery Corporation, New York, N. Y. Rotating nut swaging and expanding machine. 1,501,766; July 15.
Furlan Nut Machinery Corporation. (See Furlan, John G., assignor.)
Gage, Anna L., Minneapolis, Minn. Headband for use in connection with bathing caps. 1,501,591; July 15.
Gage, Fred W. (See Neale, John B., assignor.)
Gaillemin, Ernest, Vincennes, France. Universal contact box for wires. 1,501,106; July 15.
Gardner, Ernest G. (See Blumenthal, M., and Gardner.)
Gardner, Richard H., Chicago, Ill. Builder's hardware and making same. 1,501,538; July 15.
Garrison, Vance C., Bemidji, Minn. Sliding-jaw wrench. 1,501,214; July 15.
Garrison, Vance C., Nebish, assignor to R. H. Schumaker, Bemidji, Minn. Animal trap. 1,501,213; July 15.
Gartman, George W. (See Morris, H., Howard, and Gartman.)
Gathmann, Emil and M., Baltimore, Md. Shrink-head casting for ingot molds. 1,501,655; July 15.
Gathmann, Mark. (See Gathmann, Emil and M.)

Gaw-O'Hara Envelope Co. (See Olgay, Albert, assignor.)
Gaylord, Lisle H. (See White, J. W., and Gaylord.)
Geer, Albert P., New London, Conn. Thrust bearing. 1,501,447; July 15.
Geib, William, assignor to International Silver Company, Meriden, Conn. Candlestick or similar article. Des. 65,182; July 15.
General Electric Company. (See Abbot, Charles G., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Beckert, Albert R., assignor.)
General Electric Company. (See Bliss, Elmer F., assignor.)
General Electric Company. (See Froberger, Laurent A., assignor.)
General Electric Company. (See Hepperlen, John A., assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Electric Company. (See Hund, August, assignor.)
General Electric Company. (See Rice, Chester W., assignor.)
General Electric Company. (See Runner, Claude C., assignor.)
General Electric Company. (See Tobey, Harry W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric Company. (See White, William C., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Motors Corporation. (See Houghton, Thomas E., assignor.)
General Motors Corporation. (See Short, C. R., and Taub, assignors.)
General Motors Corporation. (See Wardenburg, Frederic A., assignor.)
General Motors Corporation. (See White, J. W., and Gaylord, assignors.)
General Motors Research Corporation. (See Earnshaw, William B., assignor.)
General Motors Research Corporation. (See Hunt, John H., assignor.)
General Motors Research Corporation. (See Kettering, Charles F., assignor.)
General Motors Research Corporation. (See Midgley, Thomas, jr., assignor.)
General Motors Research Corporation. (See Short, C. R., and Darneil, assignors.)
Gesellschaft für Drahtlose Telegraphie m. b. h. Hellesches. (See Osnos, Mendel, assignor.)
Geyer, Harvey D., assignor to Dayton-Wright Company, Dayton, Ohio. Valve. 1,501,592; July 15.
Geyer, Harvey D., and J. W. Lee, assignors to The Inland Manufacturing Company, Dayton, Ohio. Coiled rim and making it. 1,501,593; July 15.
Gibbons, Harold L., Halifax, Nova Scotia, Canada. Hand-operated gear shift. 1,501,767; July 15.
Gibbs, Benedict T., jr., Chicago Heights, assignor to Morden Frog & Crossing Works, Chicago, Ill. Guard rail for switches. 1,501,215; July 15.
Gibson, Otis W., et al. (See Ewing, Frank D., assignor.)
Gilda, Julius E., Philadelphia, Pa. Material container. 1,501,656; July 15.
Gindorff, William, et al. (See Floyd, Victor C., assignor.)
Gluck, Edward V., Richmond Hill, N. Y., assignor to Soapine Company Incorporated. Soap dispensing. 1,501,657; July 15.
Goizueta y López de Zubiria, Wenceslao, Milagro, Spain. Conveying and excavating machine. 1,501,706; July 15.
Gollobin, Harry A., New York, N. Y. Removable bridge for teeth. 1,501,539; July 15.
Gollobin, Harry A., New York, N. Y. Removable bridge for teeth. 1,501,540; July 15.
Good, David H., Kansas City, Mo. Antiskid device. 1,501,594; July 15.
Goodman Bros. & Hinlein. (See List, John A., assignor.)
Goodrich, B. F., Company, The. (See Kmentt, Waldemar D., assignor.)
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic control for charging secondary batteries. 1,501,046; July 15.
Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)
Gorrell, William O., Plainview, Minn. Tackle box. 1,501,448; July 15.
Goudet, Charles. (See Breslauer J., and Goudet.)
Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Connecting insulator parts. 1,501,107; July 15.
Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 65,183; July 15.
Gowans, Harry C., assignor to the Hamilton Manufacturing Co., Two Rivers, Wis. Cabinet. 1,501,658; July 15.
Graetzer, Otto, Zollikon, and O. F. Bruman, Zurich, Switzerland. Electric heater for faucets. 1,501,768; July 15.
Gray, David E. (See Said, J. M., and Gray.)
Greeley, John, Lake Park, Iowa. Seed-corn drier. 1,501,328; July 15.
Greve, Friedrich H., La Salle, Ill. Quick-acting wrench. 1,501,329; July 15.
Griffin, Joseph C., and W. Jean, Los Angeles, Calif. Bumper. 1,501,595; July 15.
Grigsby-Grunow-Hinds Co. (See Grunow, W. C., and Wiegand, assignors.)
Griscom-Russell Company. (See Brown, Stanley, assignor.)
Grueby, William H., New York, N. Y. Tile and terra-cotta block. 1,501,709; July 15.
Grunow, William C., and A. J. Wiegand, assignors to Grigsby-Grunow-Hinds Co., Chicago, Ill. Visor holding and feeding mechanism for sewing machines. 1,501,710; July 15.
Gudge, Benjamin J., and P. G. Guest, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electrical contact element. 1,501,330; July 15.
Guernsey, Charles O. (See Mead, F., and Guernsey.)
Guest, Paul G. (See Gudge, B. J., and Guest.)
Guiberson Corporation, The. (See Frazier, Charles E., assignor.)
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Anklet. Des. 65,184; July 15.
Gulick, David E., San Francisco, Calif. Flushing device. 1,501,331; July 15.
Güttner, Max, Schmolln, Germany. Rotary blower and rotary engine. 1,501,596; July 15.
Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
Haas, Louis, assignor to Société Chimique de la Grande Paroisse, Paris, France. Green dyestuffs dyeing in reducing baths and their process of manufacture. 1,501,769; July 15.
Haddad, Michael M., Pontiac, Mich. Candy mold. 1,501,659; July 15.
Haines, Leonard M., assignor to William Hall & Company, Limited, Studley, England. Needle case. Des. 65,185; July 15.
Hall, Benjamin J., Eastcote, England. Machine for sensitizing papers and other fabrics. 1,501,332; July 15.
Hall, Charles C., Kalamazoo, Mich. Packing. 1,501,541; July 15.
Hall, Charles C., Kalamazoo, Mich. Packing. 1,501,542; July 15.
Hall, Charles E. V., Sheffield, England. Sieving screening and separating device. 1,501,047; July 15.
Hall, Everett J., Passaic, N. J., assignor to Metals Disintegrating Company, Inc., New York, N. Y. Metal-disintegrating apparatus. 1,501,449; July 15.
Hall, William, & Company. (See Haines, Leonard M., assignor.)
Hailing, Charles O., Milan, Minn. Rim breaking, contracting, and expanding device. 1,501,597; July 15.
Hamilton Beach Mfg. Co. (See Nielsen, Emanuel, assignor.)
Hamilton Manufacturing Co., The. (See Gowran, Harry C., assignor.)
Hamilton, William L., Glasgow, Scotland. Ropeway and the like. 1,501,333; July 15.
Hamister, Victor C., Cleveland, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Calcining carbon and products thereof. 1,501,108; July 15.
Hammarlund, Lloyd A., assignor to Hammarlund Mfg. Company, Inc., New York, N. Y. Variable condenser. 1,501,543; July 15.
Hammarlund Mfg. Company. (See Hammarlund, Lloyd A., assignor.)
Hampson, Charles G., New York, N. Y. Machine for stippling. 1,501,048; July 15.
Hanisch, Otto C., South Attleboro, Mass., assignor to Geo. H. Fuller & Son Company, Pawtucket, R. I. Display box. 1,501,770; July 15.
Hanley, Frank W., Pittsburgh, Pa. Antiskid device. 1,501,771; July 15.
Hannan, Jerome W., Wayne, and C. A. Notman, Detroit, Mich. Emergency tire. 1,501,399; July 15.
Hanson, Herman, Newark, Ill. Cotton picker. 1,501,334; July 15.
Hanson, John M., Los Angeles, Calif. Can punch. 1,501,598; July 15.
Hardey, Ernest L. (See Maxon, Oscar, assignor.)
Hardman, James H., Pendleton, Salford, England. Charging valve or door for furnaces, gas producers, retorts, and similar structures. 1,501,216; July 15.
Harford, Emory H., Piper City, Ill. Antikicking device for animals. 1,501,772; July 15.
Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,501,109; July 15.
Harper, Alexander, Bristol, Conn. Plating stainless steel and articles produced thereby. 1,501,049; July 15.
Harris, Elizabeth G., Los Angeles, Calif. Automobile elevator. 1,501,599; July 15.
Harris, James S., Morgantown, Ind. Bolt-holder tool. 1,501,050; July 15.
Harris, Moses H., New York, N. Y. Screen. Des. 65,186; July 15.
Harrison, Bert S., assignor to Drying Systems, Inc., Chicago, Ill. Air washer. 1,501,110; July 15.
Harrison, William H. (See Shaw, J., and Harrison.)

Harstedt, Herman A. E. (See Fredriksson, N., Harstedt, and Lindberg.)
Hart, Alice M., London, England, assignor, by mesne assignments, to E. R. Cummins, Worcester, Mass. Production of carbon. 1,501,111; July 15.
Hartenstein, Willy, Nuremberg, Germany, assignor to J. Aman, Rutherford, N. J. Potato planter. 1,501,335; July 15.
Hartford, Edward V., deceased, Deal, N. J.; H. P. Hartford, administratrix. Means for operating the brakes on vehicles. 1,501,600; July 15.
Hartford, Henrietta P., administratrix. (See Hartford, Edward V.)
Hartwig, John D., Olean, N. Y. Saw set and jointer. 1,501,112; July 15.
Hasselquist, Hugo S., Oak Park, assignor, by mesne assignments, to Collins Safety Razors, Chicago, Ill. Razor. 1,501,450; July 15.
Hassler, Franz, Hamburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Tanning. 1,501,336; July 15.
Hatfield, Paul L., assignor to Peoria Drill and Seeder Co., Peoria, Ill. Draft-operated lifting device for seeding machines. 1,501,279; July 15.
Headley, Benjamin T., and P. H. Thompson, assignors to Millville Machine Company, Millville, N. J. Vial-necking machine. 1,501,773; July 15.
Hebert, Edmond A., et al. (See Rudkin, Edwin C., assignor.)
Heeter, Charles M., Butler, Pa. Release coupling. 1,501,217; July 15.
Heeter, Frank W., and T. E., Toledo, Ohio. Folding machine. 1,501,774; July 15.
Heeter, Terry E. (See Heeter, Frank W. and T. E.)
Heinz, Julius A., Pesotum, Ill. Base for casket emblems. 1,501,400; July 15.
Heise, Arthur R. (See Dyer, E. L., and Heise.)
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distant control system. 1,501,711; July 15.
Heller, Harry, New York, N. Y. Presser foot. 1,501,557; July 15.
Helmer, Louis, New York, N. Y. Method of and apparatus for conditioning air. 1,501,660; July 15.
Hemingray Glass Company. (See Holmes, Minot K., assignor.)
Hendrick, Frank C., et al. (See Kline, Harry L., assignor.)
Henkels, Max. (See Buscher, Hermann, assignor.)
Henry, Augustus M., Brooklyn, N. Y. Rotary casting. 1,501,337; July 15.
Henry, Augustus M., Brooklyn, N. Y. Rotary casting. 1,501,338; July 15.
Hepperlen, John A., East Orange, N. J., assignor to General Electric Company. Apparatus for and system of motor control. 1,501,661; July 15.
Herbig, Elwood H., assignor to Dayton-Wright Company, Dayton, Ohio. Tail skid. 1,501,601; July 15.
Herman, John E. (See Bornhauser, O. E., and Herman.)
Herrick, Charles. (See Bash, Charles, assignor.)
Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary pump-sealing means. 1,501,051; July 15.
Hill Pump Valve Company, The. (See Reich, E., and Bosshard, assignors.)
Hiller, Stanley, San Jose, assignor to R. L. Daily, San Francisco, R. R. Bellingall, Oakland, and S. Hiller, San Jose, Calif. Manufacture of high-grade flours from fish and like materials. 1,501,775; July 15.
Hiller, Stanley, et al. (See Hiller, Stanley, assignor.)
Hinshaw, John C. W., assignor to Mercury Manufacturing Company, Chicago, Ill. Trailer truck. 1,501,280; July 15.
Hipple, Solomon R., Williamsport, assignor to DX Instrument Company, Harrisburg, Pa. Rheostat. 1,501,339; July 15.
Hirschler, Horace L., San Francisco, Calif. Control mechanism. 1,501,340; July 15.
Hoard, Halbert L., Fort Atkinson, Wis. Massage device. 1,501,341; July 15.
Hoard, Halbert L., Fort Atkinson, Wis. Massage device. 1,501,342; July 15.
Hoblit, Karl A. (See Soulek, A. A., and Hoblit.)
Hodes, David H., New York, N. Y. Wearing apparel. 1,501,113; July 15.
Hoffman, John E., Casper, Wyo. Wrecking tool. 1,501,776; July 15.
Hollingsworth, Helen E., Minneapolis, Minn. Doll. 1,501,777; July 15.
Holmes, Minot K., assignor to Hemingray Glass Company, Muncie, Ind. Leer feeder. 1,501,602; July 15.
Holmquist, John A., Woodlawn, Pa. Machine for making wire reels. 1,501,343; July 15.
Holybee, Charles F., Hotchkiss, Colo. Ditcher. 1,501,167; July 15.
Hoopes, William P., Buffalo, N. Y. Cushion wheel. 1,501,778; July 15.
Hoovens, Amasa G., Goshen, Ind. Machine for manufacturing wire cable. 1,501,603; July 15.
Hoover, Charles W., San Francisco, assignor to G. E. Elwood, Oakland, Calif. Hydraulic brake. 1,501,451; July 15.
Horwitt, Paul H., assignor to Independent Paper Mills Inc., Brooklyn, N. Y. Sheet of folded material. 1,501,662; July 15.
Hospital Supply Company and Watters Laboratories Consolidated. (See Watters, Leon L., assignor.)
Houghton, Thomas E., Flint, assignor to General Motors Corporation, Detroit, Mich. Chock block for automobiles. 1,501,883; July 15.
Howard, Armour. (See Morris, H., Howard, and Gartman.)
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,501,452; July 15.
Howarth, Harry A. S. (See Kingsbury, A., and Howarth.)
Howarth, Harry A. S., Pittsburgh, assignor to A. Kingsbury, Philadelphia, Pa. Bearing. 1,501,401; July 15.
Howe, William G., Des Moines, Iowa. Corn-popping machine. 1,501,114; July 15.
Howel, Clayton J., assignor to Orange Crush Co., Chicago, Ill. Bottle. Des. 65,187; July 15.
Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,501,847; July 15.
Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Measuring system. 1,501,663; July 15.
Hubbard, Edward L., assignor of one-half to C. C. Payne, Oakland, Calif. Playing club. 1,501,344; July 15.
Hughes, Cora E., assignor of one-third to T. M. Ingman and one-third to L. L. Elliott, Los Angeles, Calif. Light deflector for headlights. 1,501,779; July 15.
Hughes, Harry, Saxonville, Mass. Pile-fabric loom. 1,501,483; July 15.
Hughes, Howard R., Houston, Tex. Lubricator. 1,501,482; July 15.
Hulbert, Ansel C., San Carlos, Calif. Electric steam radiator. Des. 65,188; July 15.
Hulse, Edison G., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 65,189; July 15.
Hulse, Edison G., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 65,190; July 15.
Humer, Frank, Detroit, Mich., assignor, by mesne assignments, to Lincoln Motor Company. Means for adjusting windows of motor cars. 1,501,453; July 15.
Hund, August, Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,501,664; July 15.
Hunt-Helm-Ferris & Company. (See Ferris, Howard J., assignor.)
Hunt, James W., Memphis, Tenn. Adjusting device for radiotuners and the like. 1,501,454; July 15.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. 1,501,484; July 15.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. 1,501,485; July 15.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,501,487; July 15.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Motor and ignition generator. 1,501,488; July 15.
Hunt, John H., assignor to General Motors Research Corporation, Dayton, Ohio. Electric motor. 1,501,558; July 15.
Hunt, John H., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Ignition system. 1,501,848; July 15.
Hunt, John H., and W. A. Chryst, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition apparatus. 1,501,486; July 15.
Hunt, John H., and J. T. Fitzsimmons, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Regulator for ignition systems. 1,501,489; July 15.
Hunt, John H., and H. Wallace, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Fuel burner. 1,501,490; July 15.
Hunter, Philip V., Purley, England. Protective arrangement for electric distribution and transmission systems. 1,501,115; July 15.
Huron Industries, Inc. (See Lundberg, John L., assignor.)
Huston, Sidney H., Houston, Tex. Well-boring apparatus. 1,501,345; July 15.
Hyatt, Samuel W., Columbus, Ohio. Spotlight. 1,501,411; July 15.
Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic calling device. 1,501,281; July 15.
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imlach, John S., Ottawa, Ontario, Canada. Pipe-threading machine. 1,501,248; July 15.
Independent Paper Mills Inc. (See Horwitt, Paul H., assignor.)
Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)
Inge, Arthur M., assignor of one-fourth to W. J. Bacon, one-fourth to L. D. Bejach, and one-fourth to T. McLain, Memphis, Tenn. Serving tray for automobiles. 1,501,116; July 15.

Ingersoll, Otis A., Martinsburgh, N. Y. Thrashing machine and parts thereof. 1,501,455; July 15.
Ingham, Walter E., Newington, and A. G., Whitehead, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Lathe. 1,501,346; July 15.
Ingman, Thomas M., et al. (See Hughes, Cora E., assignor.)
Ingram, Harry, Brooklyn, N. Y. Pressure-control system for sterilizing and processing apparatus 1,501,412; July 15.
Inland Manufacturing Company, The. (See Glyer, E. D., and Lee, assignors.)
Insel Company, The. (See Davis, Joseph, assignor.)
International Silver Company. (See Gelb, William, assignor.)
Invisible Metal Furniture Company. (See Anderson, Edgar W., assignor.)
Irvine, Malcolm M., Glasgow, Scotland. Cutting disk. 1,501,780; July 15.
Isenhour, Luther J., Indianapolis, Ind. Corn-popping machine. 1,501,168; July 15.
J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Liflander, Johan O., assignor.)
Jackson, Hardy, Higher Broughton, Manchester, England. Electric-arc lamp. 1,501,219; July 15.
Jacobs, George, Detroit, Mich. Variable condenser. 1,501,402; July 15.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Valve. 1,501,347; July 15.
James, William H., Marshfield, Mo. Staple for wire-fence concrete posts. 1,501,665; July 15.
Jean, Walter. (See Griffin, J. C., and Jean.)
Jenkins, William L., sr., Niles, Ohio. Machine for opening packs or piles of metal plates. 1,501,781; July 15.
Jennings, Minnie, Spartanburg, S. C. Broom. Des. 65,191; July 15.
Jewelers Supply Company, The. (See Farnham, Frank E., assignor.)
Jirasek, John, Detroit, Mich. Mechanical baking oven. 1,501,456; July 15.
Jockmus, Charles H. (See Malby, S. G., and Spaulding, assignors.)
Johnson, Arthur A., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,666; July 15.
Johnson, Charles G., Worcester, Mass. Tap and cutter. 1,501,117; July 15.
Johnson, Charles G., Worcester, Mass. Die and cutter. 1,501,118; July 15.
Johnson, Frank H., assignor to Petroleum Heat and Power Company, Boston, Mass. Oil burner. 1,501,849; July 15.
Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., Electrical network. 1,501,667; July 15.
Johnson, Merton E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-fitting machine. 1,501,052; July 15.
Johnston, Gustave Y., Chicago, Ill., assignor, by mesne assignments, to The Elyria Iron and Steel Company. Apparatus for electrically butt-welding tubing. 1,501,782; July 15.
Jones, Ada R., Bozeman, Mont. Toy dog. Des. 65,195; July 15.
Jones, Walter. (See Nicholas, P. J., and Jones.)
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,501,053; July 15.
Joyce, Asa W., Newark, N. J. Disazo coloring matter. 1,501,348; July 15.
Joyce-Cridland Company, The. (See Ripsch, C. W., and Dawley, assignors.)
Joyce, Emily W., et al. (See Bostian, Homer C., assignor.)
Jung, George H., jr., Cincinnati, Ohio. Arch support. 1,501,349; July 15.
Kaestner, Joseph, Burlington, Iowa. Vehicle spring. 1,501,457; July 15.
Kamenec, Stephen, Derry, Pa. Match box. 1,501,119; July 15.
Karapetoff, Vladimir, Ithaca, N. Y. Parallel double tongs. 1,501,458; July 15.
Karitzky, John, Garwood, assignor to H. B. Newhall, Plainfield, N. J. Nail fastener. 1,501,054; July 15.
Karrer, Eduard H., Milwaukee, Wis. Traction apparatus. 1,501,120; July 15.
Karstens, Harry H. (See Karstens, Hugo J. and H. H.)
Karstens, Hugo J., Wheaton, and H. H. Karstens, Chicago, Ill. Combined form and reenforcement for cement. 1,501,850; July 15.
Katz & Ogush, Inc. (See Ogush, Benjamin, assignor.)
Kaup, Edgar O., assignor to Western Blower Company, Seattle, Wash. Air washer. 1,501,559; July 15.
Kean, Otis, and A. R. Wilson, New York, N. Y., assignors to Paperbrella Corporation. Umbrella. 1,501,560; July 15.
Keeran, Charles R., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill. Pencil. 1,501,121; July 15.
Keilholtz, Lester S., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Power device. 1,501,851; July 15.
Keller, Charles L., assignor to The Scherzer Rolling Lift Bridge Co., Chicago, Ill. Car unloader. 1,501,879; July 15.
Keller, Frederick A. (See Wright, F. H., and Keller.)
Keller, Leo, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,501,668; July 15.
Kellogg Switchboard and Supply Co. (See Ide, Harry H., assignor.)
Kelly-Springfield Tire Company. (See Hulse, Edison G., assignor.)
Kelsall, George A., Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance device and operating the same. 1,501,669; July 15.
Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Spark plug. 1,501,491; July 15.
Kettering, Charles F., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Engine construction 1,501,561; July 15.
Kettering, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Engine-starting system. 1,501,852; July 15.
Kettering, Charles F., and W. A. Chryst, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio. System of electrical generation. 1,501,853; July 15.
Keuffel, Adolf W., Montclair, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J. Making drawing instruments. 1,501,169; July 15.
Keuffel & Esser Company. (See Keuffel, Adolf W., assignor.)
Kilimnik, Philip, New York, N. Y. Razor-blade holder. 1,501,783; July 15.
Kimber, Walter J., Ottawa, Ontario, Canada. Bricklayer's tool. 1,501,403; July 15.
Kingman, Russell B., Orange, N. J. Knit abrasive fabric and article made therefrom. 1,501,784; July 15.
Kingsbury, Albert. (See Howarth, Harry A. S., assignor.)
Kingsbury, Albert, Greenwich, Conn., and H. A. S. Howarth, Philadelphia, Pa.; said Howarth assignor to said Kingsbury. Air-sealing means. 1,501,404; July 15.
Kinyoun, Hollie B. (See Stake, F. C., Kinyoun, and Reynolds.)
Kipperman, Mendel, Davenport, Iowa. Advertising automobile body. 1,501,405; July 15.
Kissock, Alan, Los Angeles, Calif. Recovering tin. 1,501,413; July 15.
Kissock, Alan, Los Angeles, Calif. Producing molybdates. 1,501,414; July 15.
Klar, Katherine C., Hartford, Conn. Pillow. Des. 65,192; July 15.
Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)
Kline, Harry L., assignor of five-twentieths to F. C. Hendrick and four-twentieths to O. G. Larson, Portland, Oreg. Engine. 1,501,459; July 15.
Klocke, Anton A., and J. Wurzer, Dedham, Iowa. Straw spreader. 1,501,460; July 15.
Klohe, Joseph, New York, N. Y. Miter tool. 1,501,854; July 15.
Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Metal-insert-feeding machine. 1,501,492; July 15.
Knight, Joseph C., et al. (See Rudkin, Edwin C., assignor.)
Knight, Stephen. (See Rasmussen, Peter, assignor.)
Koch, Henry, Jamaica, N. Y., assignor to Dictograph Products Corporation. Winding machine. 1,501,670; July 15.
Kohler, Conrad, Zurich, Switzerland. Turbine-driven land vehicle. 1,501,604; July 15.
Koplin, Leonard C., assignor to The Thomas Phillips Company, Akron, Ohio. Impregnating paper. 1,501,493; July 15.
Korb, Frederick W., Cleveland, Ohio. Measuring tool. 1,501,170; July 15.
Kost, Stephen A., Buffalo, N. Y. Disintegrator. 1,501,282; July 15.
Koteles, Steven, Claremont, Va. Clasp. 1,501,785; July 15.
Kraft, Henry P., Ridgewood, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap. 1,501,350; July 15.
Kreissig, Ernst, Verdingen, Germany. Spring. 1,501,220; July 15.
Krischer's Manufacturing Co. (See Rosenblum, Charles, assignor.)
Kuechler, Charles, Prescott, Wis. Pump jack. 1,501,221; July 15.
Kuemmerle, Joseph W. (See Dienstbach, C. F., and Kuemmerle.)
Kueler, Theodore, and F. L. Van Rossum, Appleton, Wis. Convertible vehicle body. 1,501,786; July 15.
Kuhne Identification Systems, Inc. (See Drummond, Aubrey J., assignor.)
Kurnick, Abraham, Brooklyn, assignor of one-half to L. Kurnick, New York, N. Y. Focus range finder for cameras or the like. 1,501,461; July 15.
Kurnick, Louis. (See Kurnick, Abraham, assignor.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,562; July 15.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,671; July 15.
Kyte, Flora V., administratrix. (See Schorr, Ernest.)
Lacy, Howard, Surbiton, England. Electromagnet. 1,501,787; July 15.
Lafferty, James G., Cornopolis, Pa. Apparatus for separation of air into its constituents. 1,501,415; July 15.
Laflin, James M., Boise, Idaho. Socket wrench. 1,501,788; July 15.
Laguesse, Fernand, Herstal, Belgium. Internal-combustion engine. 1,501,855; July 15.
Lamp, Sampson C., Dawes, W. Va. Screw driver. 1,501,222; July 15.
Lane, Albert D., Oakland, Calif. Cooling apparatus. 1,501,416; July 15.
Lane, George, Poughkeepsie, N. Y. Lifting jack. 1,501,605; July 15.
Langston, Samuel M., Company. (See Fine, Bernard M., assignor.)
Langston, William C., Oak Park, assignor of one-half to W. I. Coble, Chicago, Ill. Gas-fired hot-air furnace. 1,501,283; July 15.
Lanigan, Alvin B. (See Prush, J., and Lanigan.)
Larsh, Everett P., Dayton, Ohio. Short circuiter. 1,501,284; July 15.
Larson, Oscar G., et al. (See Kline, Harry L., assignor.)
Larsson, Anders E., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread-grinding machine. 1,501,544; July 15.
Law, William, Manchester, England. Windscreen for motor vehicles. 1,501,406; July 15.
Lawrence, Edward E., Jamaica, assignor to Loose Wiles Biscuit Company, Long Island City, N. Y. Mechanism for conveying and stacking food products. 1,501,285; July 15.
Lawrence, John H., New York, assignor to T. E. Murray, Brooklyn, N. Y. Wall for boiler furnaces. 1,501,563; July 15.
Lawton, Thomas, New York, N. Y. Obesity-reducing band. 1,501,672; July 15.
Leader Specialty Co. (See Mick, Claud J., assignor.)
LeClair, Louis J., Maidenhead, England. Ullage rod. 1,501,407; July 15.
Lee, John W. (See Geyer, H. D., and Lee.)
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Determining the efficiency of laundry machines. 1,501,856; July 15.
Leitner, Henry, London, England. Metal air propeller and the like. 1,501,606; July 15.
Leitz, Ernst, Optische Werke. (See Metz, Carl, assignor.)
Leveridge, Athos D., Whitestone, N. Y. Precious-stone setting. Des. 65,193; July 15.
Lewis, Frank S., Denver, Colo. Arch support. 1,501,607; July 15.
Lewis, Robert P., assignor to Dayton-Wright Company, Dayton, Ohio. Landing skid for amphibian aircraft. 1,501,608; July 15.
Liflander, Johan O., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Machine for grinding saw teeth and the like. 1,501,564; July 15.
Lincoln Motor Company. (See Humer, Frank, assignor.)
Lindberg, Karl G. (See Fredriksson, N., Harstedt, and Lindberg.)
Lindell, Samuel J., Mandeville, assignor to C. S. Frederick, Covington, La. Boiler attachment. 1,501,789; July 15.
Linden, Herbert J., Johnstown, Pa. Vehicle unloading truck. 1,501,609; July 15.
Lindström, Knut L., and S. A. E. Sterner, Djursholm, Sweden. Pulsator for milking machines. 1,501,408; July 15.
Lippert, John P., East Cleveland, Ohio. Attachment for internal-combustion engines. 1,501,565; July 15.
Linsky, Norman, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Frame for lamp shades, lanterns, or similar articles. Des. 65,196; July 15.
List, John A., assignor to Goodman Bros. & Hinlein, Philadelphia, Pa. Braid-knitting machine. 1,501,857; July 15.
Little, Orton C., Menasha, Wis. Leg rest for furniture. 1,501,122; July 15.
Ljungström, Fredrik Brevik, Lidingon, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Toothed wheel with resilient teeth. 1,501,123; July 15.
Lloyd, Ross, Schomberg, Ontario, Canada. Water-heating system for stoves. 1,501,223; July 15.
Locke Insulator Corporation. (See Gonverneur, Minor F. H., assignor.)
Lockett, William, Philadelphia, Pa. Butter cutter. 1,501,673; July 15.
Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Valve for automatic sprinkler systems. 1,501,125; July 15.
Löffler, Stephan, Charlottenburg, near Berlin, Germany. Device for indicating the level of liquid in high-pressure vessels. 1,501,124; July 15.
Lofton, Herbert M., Chattanooga, Tenn. Pulverizer and mulcher. 1,501,055; July 15.
Logan, Darrell D., Dallas, Tex. Bathing cap. 1,501,409; July 15.
Logan, Frank A., Edgewood, Md. Gas-mask canister. 1,501,286; July 15.
Lomax, Clarence E., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,501,287; July 15.
Long, Maurice B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective circuits. 1,501,674; July 15.
Loose Wiles Biscuit Company. (See Lawrence, Edward E., assignor.)
Lowe, H. M. (See Beam, Robert, assignor.)
Luce, Claude C. (See Sawyer, Samuel M., assignor.)
Lucius, Christian V. (See Waters, R. A., and Lucius.)
Ludwig & Ludwig, Inc. (See Danly, Robert C., assignor.)
Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Casing for a telephone transmitter. Des. 65,194; July 15.
Lund, Lee W., Duluth, Minn. Starting means for electric motors. 1,501,410; July 15.
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. 1,501,171; July 15.
Lundberg, John L., assignor to Huron Industries, Inc., Alpena, Mich. Lining for cement-drying kilns. 1,501,566; July 15.
Lundell, Allen E., and E. H. Clark, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,501,675; July 15.
Lundell, Alben E., Chicago, Ill., and J. J. Wynne, Roselle Park, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,501,676; July 15.
Lyndon, Lamar, New York, N. Y. Containing cell for electric batteries. 1,501,351; July 15.
Lyndon, Lamar, New York, N. Y. Containing cell for electric batteries. 1,501,352; July 15.
Lysons, Noel H., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Polarized relay. 1,501,126; July 15.
Macartney, Kenneth H. (See Owen, H. E. L., and Macartney.)
MacDonald, Alexander E., Worcester, Mass. Sanitary pipe fitting. 1,501,225; July 15.
Macdonald, George B., New York, N. Y., assignor to The Fiberloid Corporation, Indian Orchard, Springfield, Mass. Shipping container. 1,501,462; July 15.
Mailloux, Joseph C. (See Moreau, Ovila D., assignor.)
Malbaff, Edward A., Flagler, Colo. Multiple balanced pump jack. 1,501,226; July 15.
Malby, Seth G., Woodmont, and N. W. Spaulding, Ansonia, assignors to C. H. Jockmus, Ansonia, Conn. Multiple lamp socket. 1,501,611; July 15.
Manna, Thomas, Jersey City, N. J. Valve-lifting tool. 1,501,417; July 15.
Marchant, Rodney H. (See Bogard, Frank T., assignor.)
Marck, Joseph A. (See Cooper, William, assignor.)
Marks, Daniel G., Los Angeles, Calif. Pipe-cleaning device. 1,501,354; July 15.
Marquis James B., New York, N. Y. Bench block and drill holder. 1,501,860; July 15.
Marsh, Lewis F., Spokane, Wash. Insulated container. 1,501,227; July 15.
Marshall, Charles L., London, England. Gas-expanded vulcanized-rubber substance and making the same. 1,501,791; July 15.
Marshall, Jerome N., et al. (See Bostian, Homer C., assignor.)
Marshall & Stearns Company. (See Smith, Arthur M., assignor.)
Martin, William E., Stamford, England. Spring clip for tines for side-delivery rakes and swath turners. 1,501,612; July 15.
Martin, William J., Buffalo, N. Y. Car-door-locking device. 1,501,228; July 15.
Mason, Davis & Company. (See Rowe, E. C., and Mohr, assignors.)
Matejewski, Mike, Norris, Ill. Animal trap. 1,501,463; July 15.
Mathews, Sylvester K., Albany, N. Y. Pencil sharpener. 1,501,792; July 15.
Matsuo, Kikuye. (See Matsuo, Manji, assignor.)
Matsuo, Manji, assignor to K. Matsuo San Francisco, Calif. Baking machine. 1,501,494; July 15.
Mattson, Jacob, Duluth, Minn. Grain door. 1,501,128; July 15.
Maxon, Oscar, assignor of one-half to E. L. Hardey, Cadiz, Ky. Acetylene-gas generator. 1,501,793; July 15.
Maynes Corporation. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., Gaines, Pa., assignor to Maynes Corporation, Dover, Del. Amusement ride. 1,501,613; July 15.
McBee, Lee. (See Dunning, I. W., and Shipley, assignors.)
McCaffrey, James H., Buffalo, N. Y. Folding rule. 1,501,713; July 15.
McCaffrey, James H., Buffalo, N. Y. Rule. 1,501,712; July 15.
McClay, C. Gilbert, and B. Rudis, Chicago, Ill. Motor vehicle. 1,501,790; July 15.
McClellan, Edwin. (See Peacock, J., McClellan, and Dority.)
McCuen, Charles L., Evanston, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Expansion valve for refrigerating machines and the like. 1,501,858; July 15.

McCuen, Charles L., Chicago, Ill., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,501,859; July 15.
McDonald, John A., Westboro, Ontario, Canada. Agricultural implement. 1,501,224; July 15.
McDowell, James C., Punta Rassa, Fla. Gear controller. 1,501,353; July 15.
McGill, Homer T., Stuttgart, Ark. Apparatus for polishing grain. 1,501,610; July 15.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,501,056; July 15.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,501,172; July 15.
McKiernan-Terry Drill Company. (See Sturtevant, Thomas E., assignor.)
McLain, Robert M. (See Reilly, E. A., and McLain.)
McLain, Tyler, et al. (See Inge, Arthur M., assignor.)
McLearn, Russell L., Wilkinsburg, Pa. Hairpin. 1,501,127; July 15.
McMahon, Harry F., Toronto, Ontario, Canada. Camera. 1,501,677; July 15.
McNetton, Anna C., Norwalk, Conn. Bedpan. 1,501,678; July 15.
McVicar, Everett W., Marlboro, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of soles for shoes. 1,501,057; July 15.
Mead, Francis, Chicago, Ill., and C. O. Guernsey, Wabash, Ind. Railway cushion wheel. 1,501,861; July 15.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Shield for electric welding machines. 1,501,658; July 15.
Medford Iron Works. (See Trowbridge, Edwin G., assignor.)
Meiselbach, August D., assignor to M. Meiselbach, Shelby, Ohio. Method and means for building tubular frames. 1,501,129; July 15.
Meiselbach, Margaret. (See Meiselbach, August D., assignor.)
Mercury Manufacturing Company. (See Hinshaw, John C. W., assignor.)
Meriwether, Coleman, Louisville, Ky., assignor to P. C. Reilly, Indianapolis, Ind. Apparatus for handling concrete pipes. 1,501,888; July 15.
Mertz, Ray, assignor to The Miller Rubber Company, Akron, Ohio. Reenforced horn. 1,501,794; July 15.
Messer, Ernest G. (See Chapman, R. K., and Messer.)
Metals Disintegrating Company. (See Hall, Everett J., assignor.)
Metropolitan Trust Company, trustee. (See Parker, Everett E., assignor.)
Metz, Carl, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany. Stereoscopic double microscope. 1,501,059; July 15.
Meyer, Herman H., jr., New York, N. Y. Means for supporting lamps. 1,501,418; July 15.
Mick, Claud J., assignor to Leader Specialty Co., Inc., Indianapolis, Ind. Internal wrench. 1,501,889; July 15.
Midgley, Thomas, jr., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Joining metals. 1,501,567; July 15.
Midgley, Thomas, jr., assignor to General Motors Research Corporation, Dayton, Ohio. Aniline injector. 1,501,568; July 15.
Midgley, Thomas, jr., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Cooling device for valves and the like. 1,501,862; July 15.
Miehle Printing Press & Manufacturing Co. (See Cheshire, Edward, assignor.)
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller Company, The. (See Wolter, H. H., and Norton, assignors.)
Miller, John A., Homewood, Ill. Pleasure-railway structure. 1,501,060; July 15.
Miller, John A., Homewood, Ill. Pleasure-railway construction. 1,501,061; July 15.
Miller, John R., Van Nuys, Calif. Vehicle hitch. 1,501,355; July 15.
Miller Rubber Company, The. (See Mertz, Ray, assignor.)
Miller Rubber Company, The. (See Whisler, Chauncy P., assignor.)
Miller, Thomas S., South Orange, N. J. Adjustable thrust bearing. 1,501,614; July 15.
Millring, Edwin R., Belleville, N. J., assignor to American Machine & Foundry Company. Treating molten-metal coating baths and bath produced thereby. 1,501,356; July 15.
Millville Machine Company. (See Headley, B. T., and Thompson, assignors.)
Mitchell, Arthur K., Bronxville, assignor to St. Joseph Lead Company, New York, N. Y. Underground mining machine. 1,501,795; July 15.
Mittendorff, Max, Wyomissing, assignor to The Narrow Fabric Co., West Reading, Pa. Trimming braid for garments and similar articles. Des. 65,197; July 15.
Moeglen, Désiré M. (See Ramsay, M. U., and Moeglen.)
Mohr, Adolph. (See Rowe, E. C., and Mohr.)
Moore, Oscar W., Chicago, Ill. Temperature indicator. 1,501,173; July 15.
Moore, Robert A., New York, N. Y. Rotary internal-combustion engine. 1,501,357; July 15.
Morden Frog and Crossing Works. (See Gibbs, Benedict T., jr., assignor.)
Moreau, Ovila D., Manville, assignor of one-half to J. C. Mailloux, Woonsocket, R. I. Heddle frame. 1,501,796; July 15.
Morgan, Alfred. (See Boehm, Reinhold, assignor.)
Morley, Charles D., St. Louis, Mo. Concrete structure. 1,501,288; July 15.
Morrill, Charles H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing footwear. 1,501,062; July 15.
Morris, Henry, A. Howard, and G. W. Gartman, Chunchula, Ala. Stop signal for railway crossings. 1,501,797; July 15.
Morrison, Simon, Brooklyn, N. Y. Vanity case. 1,501,130; July 15.
Morrison, Simon, Brooklyn, N. Y. Latch for vanity cases. 1,501,798; July 15.
Mortimer, Louis A., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,501,174; July 15.
Moses, Richard W., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Shears. 1,501,714; July 15.
Moser, Ernest, New York, N. Y. Removable cleanable meat holder or plate for slicing machines. 1,501,289; July 15.
Mosman, Franklin A., Cambridge, Mass. Window-screen construction. 1,501,131; July 15.
Mountford, Thomas, assignor to Blancard & Co., Inc., Newark, N. J. Making ring mountings. 1,501,358; July 15.
Muhleisen, Henry W., assignor to W. S. Rush & Co., Los Angeles, Calif. Brake shoe. 1,501,359; July 15.
Murphy, Paul B., Nyack, assignor to Western Electric Company, New York, N. Y. Signaling system. 1,501,132; July 15.
Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Printing telegraph. 1,501,679; July 15.
Murray, Fred T., Cameron, S. C. Tire rim. 1,501,360; July 15.
Murray, Thomas E. (See Lawrence, John H., assignor.)
Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap for tire valves. 1,501,361; July 15.
Myers, Eugene V., East Orange, N. J., assignor to Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap. 1,501,362; July 15.
Nann, Arthur H., Muncie, Ind. Cowl cover. 1,501,175; July 15.
Narrow Fabric Co., The. (See Mittendorff, Max, assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Carbon Company. (See Benner, R. C., and Thompson, assignors.)
National Carbon Company. (See Hamister, Victor C., assignor.)
National Carbon Company. (See Wright, F. H., and Keller, assignors.)
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Angle cock. 1,501,063; July 15.
Neale, John B., assignor of one-half to F. W. Gage, Battle Creek, Mich. Overlay for half-tone printing. 1,501,615; July 15.
Nelson, De Witt, and C. H. Burrows, Minneapolis, Minn. Resilient wheel and tire structure. 1,501,176; July 15.
Nelson, Harold P., North Bergen, N. J. Panel for a chair back. Des. 65,198; July 15.
Neumeyer, Horace F., Macungie, assignor to H. G. Blehn, Quakertown, Pa. Hydrant. 1,501,799; July 15.
Newhall, Henry B. (See Karlitzky, John, assignor.)
Newman, Edward D., New York, N. Y. Automobile tire. Des. 65,199; July 15.
Nicholas, Peter J., and W. Jones, Dover, Me. Animal trap. 1,501,882; July 15.
Nieberding, Frank A., Cleveland, Ohio. Combined fluid-fuel and solid-fuel heating apparatus. 1,501,680; July 15.
Nielsen, Emanuel, assignor to Hamilton-Beach Mfg. Co., Racine, Wis. Supporting means for rotatable grinders and the like. 1,501,681; July 15.
Nielsen, Jens P., Chicago, Ill. Brush and holder attachment for erasers. 1,501,863; July 15.
Niles-Bement-Pond Company. (See Randolph, Clifford F., assignor.)
Nitrum Aktiengesellschaft. (See Siebert, Werner, assignor.)
Noble, Richard G., Riverside, Calif. Automobile engine brake. 1,501,363; July 15.
Noffsinger, George E., Elkhart, Ind. Combination wheel puller, tool grinder, and power device. 1,501,682; July 15.
Norre, Charles. (See Roline, C. G., and Norre.)
Norton, Guy P. (See Wolter, H. H., and Norton.)
Norton, W. A., et al. (See Ewing, Frank D., assignor.)
Notman, Clarence A. (See Hannan, J. W., and Notman.)
Novotone, Alfred, Gibbon, Nebr. Wire-winding machine. 1,501,800; July 15.
Nurnberg, Charles, Brooklyn, N. Y. Thermometer and casing therefor. 1,501,801; July 15.

Nyberg, Roder W., Picher, Okla. Cylinder head. 1,501,715; July 15.
Oakley, John, Springfield, Mass. Broach. 1,501,716; July 15.
Ogush, Benjamin, assignor to Katz & Ogush, Inc., New York, N. Y. Finger ring. 1,501,616; July 15.
Oil Conservation Engineering Company, The. (See Brooks, Stephen H., assignor.)
Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Co., Chicago, Ill. Envelope-fastener strip. 1,501,717; July 15.
Olinger, Thomas, assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich. Pulley. 1,501,290; July 15.
Olschewski, Leo, Irvington, N. J. Sprinkler. 1,501,718; July 15.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Producing abrasive elements. 1,501,229; July 15.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Machine for producing abrasive helicoids. 1,501,230; July 15.
O'Malley, Howard M., et al. (See Eacrett, Alfred L., assignor.)
Oppenheim, Austin N., Baltimore, Md. Athletic union garment. 1,501,802; July 15.
Orange Crush Co. (See Howel, Clayton J., assignor.)
Ortell, Bertha, St. Paul, Minn. Clothes-washing machine. 1,501,133; July 15.
Orth, William S., Dunkirk, Ohio. Calendar. 1,501,803; July 15.
Osborn, Clayton E., Davenport, Iowa. Suit box. 1,501,134; July 15.
Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hellesches, Berlin, Germany. Frequency-multiplier system. 1,501,569; July 15.
Oswald, Arthur A., Bradley Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,501,683; July 15.
Oswald, Arthur A., Bradley Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,501,684; July 15.
Ovington, Earle L., Santa Barbara, Calif. Building construction. 1,501,364; July 15.
Owen, Henry E. L., and K. H. Macartney, Port Arthur, Ontario, Canada. Tent. 1,501,365; July 15.
Oxford, Edwin J., and J. Petr, Chambers, Nebr. Emergency jack. 1,501,719; July 15.
Ozwirk, Bernhard, Cleveland, Ohio. Basin-cover appliance. 1,501,177; July 15.
P & M Company, The. (See Warr, Harold G., assignor.)
Page, Howard L., Chicago, Ill. Sound amplifier for phonographs. 1,501,720; July 15.
Pagé, Victor W., New York, N. Y. Oil-sump screen. 1,501,804; July 15.
Pagé, Victor W., New York, N. Y. Supplementary cooling hood for motors. 1,501,805; July 15.
Paiste, H. T., Company. (See Paiste, Henry T., assignor.)
Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Fuse plug. 1,501,864; July 15.
Panconst, George E., New York, N. Y. Printing machine. 1,501,617; July 15.
Paperbrella Corporation. (See Kean, O., and Wilson, assignors.)
Parker, Everett E., Chicago, Ill., assignor, by mesne assignments, to Metropolitan Trust Company, trustee, New York, N. Y. Pressing machine. 1,501,685; July 15.
Parry, Irene A., Seattle, Wash. Bread raiser. 1,501,231; July 15.
Parsons, Arthur J., Mobile, Ala. Sawdust grate bar. 1,501,618; July 15.
Patterson, Charles S., Lewiston, Me. Tag-stringing device. 1,501,178; July 15.
Patterson, Edgar W., Norwalk, Calif. Hydraulic apparatus for handling well tubing. 1,501,464; July 15.
Paulsen, Gustav A., assignor to Joseph E. Smyth Company, Chicago, Ill. Feed mechanism for book-sewing machines. 1,501,686; July 15.
Payne, C. C. (See Hubbard, Edward L., assignor.)
Peacock, James, E. McClellan, and F. F. Dority, Ottawa, Ontario, Canada. Felt washer. 1,501,179; July 15.
Peck, William A., New Haven, Conn. Tool holder. 1,501,465; July 15.
Peoria Drill and Seeder Co. (See Hatfield, Paul L., assignor.)
Perkins, Fred L., San Bernardino, Calif. Locomotive smoke deflector. 1,501,570; July 15.
Peter, Ralph C., Minneapolis, Minn. Oil-spout cleaner. 1,501,806; July 15.
Peters, Clifford H., Lakewood, and E. D. Bump, assignors to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio. Tilting chair. 1,501,180; July 15.
Peters, Clifford H., Lakewood, and E. D. Bump, assignors to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio. Chair. 1,501,181; July 15.
Peterson, Charles V., Braham, Minn. Conveyer. 1,501,721; July 15.
Peterson, Chris M., Minneapolis, Minn. Process and apparatus for treating milk. 1,501,182; July 15.
Peterson, Frank, Pocahontas, Iowa. Animal-ringing tool. 1,501,366; July 15.
Petinot, Napoleon, New York, N. Y. Making chromium steel and chromium iron. 1,501,183; July 15.
Petinot, Napoleon, assignor to United States Ferro-Alloy Corporation, New York, N. Y. Manufacturing alloy steels in electric furnaces. 1,501,184; July 15.
Petr, James. (See Oxford, E. J., and Petr.)
Petroleum Heat and Power Company. (See Johnson, Frank H., assignor.)
Petschel, Oswald, Brooklyn, N. Y. Hat-supporting hook. 1,501,807; July 15.
Philippi, Theodore F., East St. Louis, Ill. Clutch. 1,501,232; July 15.
Phillips, Thomas, Company, The. (See Koplin, Leonard C., assignor.)
Phillips, William W., Calgary, Alberta, Canada. Railway crossing and alarm signal. 1,501,367; July 15.
Picht, Frederick W., Seattle, Wash., assignor to Wright & Smith Machine Works. Cannery exhauster and cooker. 1,501,135; July 15.
Pickell, William C., Highland Park, Mich. Wrapping-paper-roll holder and tearing device. 1,501,619; July 15.
Pierson, Clyde C. (See Shaw, Frank B., assignor.)
Piffard-Francis, Nina H., New Rochelle, N. Y. Collapsible window grille. 1,501,545; July 15.
Pinsuti, Giuseppe F., New York, N. Y. Necktie. 1,501,687; July 15.
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)
Plummer, Harold, Oakland, Calif. Automatic time and coin controlled switch. 1,501,495; July 15.
Pneumatic Appliances Corporation. (See Eckrode, C. E., Acken, and Weiland, assignors.)
Podszus, Emil, Friedrichshagen, near Berlin, Germany. Producing boron carbide. 1,501,419; July 15.
Polet, Léopold, Gennevilliers, France. Automatic apparatus for changing the weft bobbin in looms. 1,501,722; July 15.
Porter, Claud, De Smet, S. Dak. Two-point-connecter light plug. 1,501,466; July 15.
Portman, Frederick, Vernon, British Columbia, Canada. Game. 1,501,185; July 15.
Powell, James W., Anaconda, Mont. Spark plug. 1,501,368; July 15.
Pratt & Whitney Company. (See Ingham, W. E., and Whitehead, assignors.)
Pratt & Whitney Company. (See Larsson, Anders E., assignor.)
Pratt & Whitney Company. (See Trundle, George T., jr., assignor.)
Prush, Joseph, and A. B. Lanigan, Brooklyn, N. Y. Choke detector. 1,501,808; July 15.
Psilander, Charles A., assignor to William Wharton Jr. & Co., Incorporated, Easton, Pa. Method and means for making compromise angle bars. 1,501,186; July 15.
Radiant Lighting Fixture Co. (See Bohl, Hugo E., assignor.)
Rairden, James S., Waterford, Calif. Fly swatter. 1,501,467; July 15.
Ramondo, Ettore, Turin, Italy. Electric tempering. 1,501,369; July 15.
Ramsay, Marcel U., and D. M. Moeglen, Bois-Colombes, France. Automatic machine for profiling tools. 1,501,496; July 15.
Ramsey, Vernie K., Santa Rosa, Calif. Smoking pipe. 1,501,370; July 15.
Rand, James H., North Tonawanda, N. Y. Index folder. 1,501,234; July 15.
Rand, James H., North Tonawanda, N. Y. Index device. 1,501,233; July 15.
Randolph, Clifford F., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Lathe-controlling mechanism. 1,501,723; July 15.
Raper, Charles E. (See Raper, Edward H. and C. E.)
Raper, Edward H., Mapleton, Iowa, and C. E. Raper, Sheridan, Wyo. Ventilating water-closets. 1,501,291; July 15.
Rasmussen, Peter, assignor of one-half to S. Knight, Denver, Colo. Apparatus for cooling and chilling hot chocolate and other confection-covered cakes. 1,501,724; July 15.
Rauch, Frederick M., assignor of one-half to W. J. Brooks, Washington, D. C. Garment hanger. 1,501,468; July 15.
Ray, Arthur J., assignor to Automatic Electric Company, Chicago, Ill. Telephone trunk circuits. 1,501,235; July 15.
Rayfield, Charles L., Chicago, Ill. Flexible coupling. 1,501,187; July 15.
Record, John W., Bowdon, England. Electrical measuring instrument. 1,501,189; July 15.
Reddick, John C., Toronto, Ontario, Canada. Typewriter. 1,501,188; July 15.
Redmon, Claude F., L. K. Redmon, C. G. Redmon, and J. T. Redmon, assignors of one-fifth to W. H. Whiteley, Paris, Ky. Powder blower. 1,501,136; July 15.
Redmon, Claude G. (See Redmon, Claude F., L. K., C. G., and J. T.)
Redmon, John T. (See Redmon, Claude F., L. K., C. G., and J. T.)
Redmon, Lillard K. (See Redmon, Claude F., L. K., C. G., and J. T.)

Reed, Dudley, Canton, Ohio. Flushing tank. 1,501,620; July 15.

Reger, Adam J., Philadelphia, Pa. Musical instrument. 1,501,725; July 15.

Reich, Ernest, and J. J. Bosshard, assignors to The Hill Pump Valve Company, Chicago, Ill. Castellating nuts. 1,501,571; July 15.

Reilly, Eugene A., and R. M. McLain, Fort Worth, Tex. Apparatus for cracking and refining oil. 1,501,371; July 15.

Reilly, Peter C. (See Meriwether, Coleman, assignor.)

Reiner, Robert H. (See Culkeu, Ernest E., assignor.)

Reitmair, Otto, Lang Enzersdorf, near Vienna, Austria. Increasing the fineness of ground carbonate containing minerals. 1,501,865; July 15.

Rex, Howard B., Henryetta, Okla. Tire-repair stand. 1,501,469; July 15.

Reynolds, John P. (See Stake, F. C., Kinyoun, and Reynolds.)

Rezer, Emil, Gungbunzlau, Czechoslovakia. Implement raising and lowering means. 1,501,137; July 15.

Rich, Charles C., assignor of one-twentieth to C. Winternever, Mount Vernon, N. Y. Slab for use in pasting battery grids. 1,501,809; July 15.

Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,501,726; July 15.

Richardson, Harry B. (See Amend, Jacob E., assignor.)

Rinehart, Howard M. (See Baumann, M. C., and Rinehart.)

Ripsch, Charles W., and J. C. Dawley, assignors to The Joyce-Cridland Company, Dayton, Ohio. Positive stop for lifting jacks. 1,501,190; July 15.

Robbins, Patrick, assignor of two-thirds to J. Williamson and G. Brander, Dundee, Forfar, Scotland. Trolley pole and the like. 1,501,236; July 15.

Roblus, Charles H., assignor to Charles Wickstead & Company (1920) Limited, Kettering, Northamptonshire, England. Machine for spreading bread with butter or the like. 1,501,727; July 15.

Robinson, Henry, Hoboken, near Antwerp, Belgium. Magnetic circuit of electrical motors and dynamos. 1,501,372; July 15.

Robinson, Henry, Lindenburst, N. Y. Slicing machine. 1,501,810; July 15.

Roe, William C., Pittsburgh, Pa. Automatic stopping mechanism for phonographs. 1,501,890; July 15.

Roesch, George B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Coil-bending device. 1,501,064; July 15.

Roessler & Hasslacher Chemical Company, The. (See Downs, James C., assignor.)

Rogalski, John. (See Fronsoe, J. J., and Rogalski.)

Rogers, J. Preston, et al. (See Alexander, Bony H., assignor.)

Rogers Silver Plate Co., The. (See Crumley, Le Roy A., assignor.)

Roline, Carl G., and C. Norre, Chicago, Ill. Folding machine. 1,501,237; July 15.

Roneo Limited. (See Barman, Louis M., assignor.)

Ronk, Frank O., Detroit, Mich. Pavement and constructing the same. 1,501,373; July 15.

Ronning, Adolph. (See Ronning, Andrean G. and A.)

Ronning, Andrean G. and A., Minneapolis, Minn. Ditching machine. 1,501,621; July 15.

Rosen, Carl G. A. (See Cunningham, H. J., and Rosen.)

Rosenbaum, Lottie G., New Rochelle, N. Y. Girdle. 1,501,728; July 15.

Rosenblatt, Isidor, New York, N. Y. Lighting-fixture bracket or an article of similar nature. Des. 65,200; July 15.

Rosenblum, Charles, Brooklyn, assignor to Krischer's Manufacturing Co., Inc., New York, N. Y. Buckle. Des. 65,201; July 15.

Ross, Isaac, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-breasting machine. 1,501,238; July 15.

Rotax Co. (See Schatz, William A., assignor.)

Rottgardt, Karl, Dahlem, near Berlin, Germany. Manufacture and operation of vacuum tubes. 1,501,240; July 15.

Rounds, Horace M., Tacoma, Wash. Line coupling. 1,501,138; July 15.

Rowe, Edgar C., and A. Mohr, assignors to Mason, Davis & Company, Chicago, Ill. Weighing scale. 1,501,866; July 15.

Ruau, Félix, assignor to United Cigarette Machine Co., Inc., Lynchburg, Va. Tobacco-feeding apparatus for cigarette machines. 1,501,622; July 15.

Rudis, Ben. (See McClay, C. G., and Rudis.)

Rudkin, Edwin C., Brockton, assignor to N. L. Brock, West Bridgewater, J. C. Knight, Brockton, and E. A. Hebert, Holbrook, Mass. Punching die. 1,501,241; July 15.

Runner, Claude C., Schenectady, N. Y., assignor to General Electric Company. Pressure-operating device. 1,501,239; July 15.

Rush, W. S., & Co. (See Muhleisen, Henry W., assignor.)

Rushmore, Samuel W., Plainfield, N. J. Cooling system. 1,501,065; July 15.

Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Clasp for rubber aprons. 1,501,066; July 15.

Ruths, Johannes K., Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam-accumulator apparatus for steam plants. 1,501,623; July 15.

Sabin, Herbert B., Cleveland, Ohio. Hand truck. 1,501,242; July 15.

Sadler, F. H., Company, The. (See Sadler, Louis E., assignor.)

Sadler, Louis E., assignor to The F. H. Sadler Company, Attleboro, Mass. Bracelet catch. 1,501,867; July 15.

Sadorus, Warren, Sadorus, Ill. Corn-popping machine. 1,501,624; July 15.

Saffert, George J., New Ulm, Minn. Molding method and apparatus. 1,501,625; July 15.

Sager, J. H., Company. (See Sager, James H., assignor.)

Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for vehicles. 1,501,191; July 15.

Said, Jesse M., and D. E. Gray, assignors to Corning Glass Works, Corning, N. Y. Glassworking apparatus. 1,501,868; July 15.

St. Jacques, Delphis E., Springfield, Mass. Adjustable pipe and nut wrench. 1,501,689; July 15.

St. Joseph Lead Company. (See Mitchell, Arthur K., assignor.)

Savard, Francois N., Avon, Mass. Device for softening shoes. 1,501,139; July 15.

Sawyer, Samuel M., assignor of one-fourth to C. C. Luce, Los Angeles, Calif. Spring locking device. 1,501,374; July 15.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 1,501,243; July 15.

Schaffert, Adolf H., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Filing guide card. 1,501,067; July 15.

Schatz, William A., Astoria, assignor to Rotax Co., Inc., New York, N. Y. Liquid cooling and dispensing apparatus. 1,501,068; July 15.

Scherzer Rolling Lift Bridge Co. (See Keller, Charles L., assignor.)

Schley, Charles, Garfield, N. J. Cigar-perforating device. 1,501,811; July 15.

Schön, Ludwig, and F. Tobien, Essen, assignors to Friedr Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electrical translating device. 1,501,869; July 15.

Schorr, Ernest, deceased. Detroit, Mich.: F. V. Kyte, administratrix, assignor to Schorr Motor Vehicle Company. Vehicle spring suspension. 1,501,891; July 15.

Schorr Motor Vehicle Company. (See Schorr, Ernest, assignor.)

Schrader's, A., Son, Incorporated. (See Kraft, Henry P., assignor.)

Schrader's, A., Son, Incorporated. (See Myers, Eugene V., assignor.)

Schranz, Charles A., assignor to W. Wood, trading as R. D. Wood and Company, Philadelphia, Pa. Gas producer. 1,501,870; July 15.

Schulz, Otto W., Denver, Colo. Collapsible fruit box and holder therefor. 1,501,812; July 15.

Schumacher, John, sr., Los Angeles, Calif. Gauge board for breaking wall board and the like. 1,501,813; July 15.

Schumaker, Raymond H. (See Garrison, Vance C., assignor.)

Schwab, John, Chicago, Ill. Automobile tire rack. 1,501,470; July 15.

Schwarz, Elmer H., Fort Lee, N. J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Connecting mechanism. 1,501,497; July 15.

Schwob, Oliver O., Moundsville, W. Va. Grain cradle. 1,501,375; July 15.

Scofield, Frank W., Woodland, Mich. Masonry [illegible] guide. 1,501,814; July 15.

Scott, Floyd L., Houston, Tex. Trimmer attachment for lawn mowers. 1,501,244; July 15.

Scrive, Paul, Paris, France. Drying apparatus for pulverulent material. 1,501,140; July 15.

Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,501,729; July 15.

Segar, Bertram A., New York, N. Y., assignor to The Segar Studios Inc. Lighting-fixture part or similar article. Des. 65,202; July 15.

Segar Studios Inc., The. (See Segar, Bertram A., assignor.)

Seppmann, Alfred B., Lake Crystal, Minn. Piston-bushing extractor and replacer. 1,501,815; July 15.

Seppmann, Alfred B., Lake Crystal, Minn. Tool for inserting and removing valve pins. 1,501,816; July 15.

Severns, William, Chicago, Ill. Sander and polisher. 1,501,192; July 15.

Sévigné, Frederick J., Milford, N. H. Machine for marking round articles. 1,501,817; July 15.

Shannon, John R., Lowell, Ariz. Feed-water-heating system for locomotives. 1,501,193; July 15.

Shaw, Francis, and Company. (See Burnett, A. S., and Collins, assignors.)

Shaw, Frank B., Caledonia, assignor of one-half to C. C. Pierson, Wayland, Mich. Air pump. 1,501,546; July 15.

Shaw, James, and W. H. Harrison, Paterson, assignors of one-third to J. L. Wentz, Passaic, N. J. Safety-shuttle-control attachment for textile looms. 1,501,572; July 15.

Sheehy, William J., et al. (See Bostian, Homer C., assignor.)

Sherman, Phillip, Toledo, Ohio. Headlight bulb. 1,501,245; July 15.

Shipley, Henry C. (See Dunning, I. W., and Shipley.)

Shoe Hardware Company, The. (See Rutherford, Eugene W., assignor.)

Short, Charles R., Dayton, Ohio, and R. C. Darnell, Detroit, Mich., assignors to General Motors Research Corporation, Dayton, Ohio. Priming cock. 1,501,526; July 15.

Short, Charles R., Dayton, Ohio, and A. Taub, assignors to General Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,501,884; July 15.

Siebert, Werner, Laufenburg, Aaryau, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland. Electrode for high-tension arc furnaces. 1,501,420; July 15.

Siegel, Philip, Guttenberg, N. J. Grinding wheel. 1,501,730; July 15.

Siekmann, Herman A. G., West Hoboken, N. J. Internal-combustion engine. 1,501,626; July 15.

Silverman, David R. (See Silverman, Nathaniel L., assignor.)

Silverman, Jacob J., administrator. (See Silverman, Nathaniel L.)

Silverman, Nathaniel L., deceased, by J. J. Silverman, administrator, assignor to D. R. Silverman, Boston, Mass. Safety pin. 1,501,627; July 15.

Skach, Frank, Chicago, Ill. Oven. 1,501,628; July 15.

Skinner, Larkin J., Fletcher, Okla. Primer and air intake for gas engines. 1,501,376; July 15.

Smilack, Abraham. (See Tefft, Frederick A., assignor.)

Smith, A. L., Iron Works, The. (See Smith, Arthur L., assignor.)

Smith, Arthur L., assignor to The A. L. Smith Iron Works, Chelsea, Mass. Column cap. 1,501,194; July 15.

Smith, Arthur M., assignor to Marshall & Stearns Company, San Francisco, Calif. Riser. 1,501,498; July 15.

Smith, Harry A., Mondovi, Wash. Washing attachment for tubs. 1,501,471; July 15.

Smith, John C., Memphis, Tenn. Holder. 1,501,629; July 15.

Smith, John H., Detroit, Mich. Punctureproof tire. 1,501,069; July 15.

Smith, Seward, Oakland, Calif. Egg-turning device. 1,501,292; July 15.

Smith, Walter S., Columbus, Ohio. Scale. 1,501,141; July 15.

Smyth, Joseph E., Company. (See Paulsen, Gustav A., assignor.)

Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum pump. 1,501,071; July 15.

Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum pump. 1,501,071; July 15.

Soapitor Company. (See Gluck, Edward V., assignor.)

Société Chimique de la Grande Paroisse. (See Haas, Louis, assignor.)

Société d'Etudes Chimiques pour l'Industrie. (See Breslauer, J., and Goudet, assignors.)

Societe l'Air Liquide (Societe Anonyme pour l'Etudé et l'Exploitation des Procedes Georges Claude.) (See Claude, Georges, assignor.)

Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Making glass-mold plungers. 1,501,246; July 15.

Soulek, Andrew A., and K. A. Hoblit, Lincoln, Nebr. Aerial advertiser. 1,501,818; July 15.

Souter, Alwin F., Hackensack, N. J., assignor to E. & J. Bass, Inc. Salt shaker or similar article. Des. 65,203; July 15.

Spaulding, Nathaniel W. (See Malby, S. G., and Spaulding.)

Speicher, Matz A. (See Weimer, R. E., and Speicher.)

Sperry, John A., Munnsville, N. Y. Molding jacket. 1,501,731; July 15.

Sprague, Frank N., Holyoke, Colo. Automobile spring construction. 1,501,819; July 15.

Staack, Richard, Lead Coating Works. (See Staack, Richard, assignor.)

Staack, Richard, North Bergen, N. J., assignor to Richard Staack Lead Coating Works. Coating metals, flux therefor, etc. 1,501,293; July 15.

Stafford, Archie C., Watertown, N. Y. Stickpin. 1,501,142; July 15.

Stake, Fred C., H. B. Kinyoun, and J. P. Reynolds, Crook, Colo. Valve-spring compressor. 1,501,143; July 15.

Stanbon, Harry R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparation of shoe parts. 1,501,072; July 15.

Stench, Alexander, Boston, Mass. Auto fender. 1,501,820; July 15.

Stead, Aquila M., Cordele, Ga. Funnel strainer. 1,501,073; July 15.

Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,501,871; July 15.

Steinberger, Louis, Brooklyn, N. Y. Column-strain insulator. 1,501,688; July 15.

Steinberger, Louis, Brooklyn, N. Y. Column-strain insulator. 1,501,732; July 15.

Steingruber, George, Atlanta, Ga. Interchangeable demountable rim. 1,501,821; July 15.

Sterner, Simon A. E. (See Lindström, K. I., and Sterner.)

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Riveting machine. 1,501,421; July 15.

Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)

Stockholms Superfosfat Fabriks Aktiebolag. (See Thorin, Erik G., assignor.)

Stokely, Ray L., Floral Park, Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,501,074; July 15.

Stoll, Fred S., assignor to W. W. Wilson, Los Angeles, Calif. Rotary rock drill. 1,501,630; July 15.

Stone, Louis E., Ashland, Ky. Air-cleaning device for automotive motors. 1,501,144; July 15.

Stott, William J., Worcester, Mass. Pocket. 1,501,247; July 15.

Stout, Frank F. (See Stout, Wilson D. and F. F.)

Stout, Wilson D. and F. F., Los Angeles, Calif. Vehicle signal. 1,501,377; July 15.

Strauss, Joseph B., Chicago, Ill. Observation apparatus. 1,501,145; July 15.

Strong, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Device for burnishing surfaces of rolls for roller bearings. 1,501,690; July 15.

Strong, William J. H., Chicago, Ill. Controlling propellers. 1,501,248; July 15.

Strother, John T., Nocnm, Va. Air brake for automobiles. 1,501,146; July 15.

Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Key clutch. 1,501,422; July 15.

Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Drill. 1,501,075; July 15.

Submarine Signal Company. (See Fessenden, Reginald A., assignor.)

Sulentic, Nicholas, Waterloo, Iowa. Manipulating device for springs. 1,501,249; July 15.

Sun Rise Lamp Mfg. Co. (See Lipsky, Norman, assignor.)

Sunset Lighting Fixture Company. (See Collins, Frank, assignor.)

Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Web-folding machine. 1,501,499; July 15.

Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Mechanism for making impressions upon traveling sheets or webs. 1,501,500; July 15.

Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Web-punching mechanism. 1,501,501; July 15.

Swift, George W., Jr., Inc. (See Swift, George W., jr., assignor.)

Swift, James P., Millstone, Ky. Switch frog. 1,501,822; July 15.

Tallsman, Samuel, San Bernardino, Calif. Animal trap. 1,501,378; July 15.

Tamberlin, John, assignor to The George W. Blabon Company, Philadelphia, Pa. Inlaid-linoleum machinery. 1,501,423; July 15.

Tansill, Stuart (See Ellis, Herbert R., assignor.)

Taub, Alex. (See Short, C. R., and Taub.)

Taylor, Harvey B., Philadelphia, Pa. Fluid-pressure control system. 1,501,147; July 15.

Taylor, Isaiah H., Baltimore, Md. Porch-floor protector. 1,501,373; July 15.

Taylor, Israel B., Buffalo, N. Y. Gas burner. 1,501,631; July 15.

Tebo, William A., Anthony, R. I. Hand-threading shuttle. 1,501,424; July 15.

Techno-Chemical Laboratories Limited. (See Boberg, Teofron, assignor.)

Techno-Chemical Laboratories Limited. (See Testrup, Nils, assignor.)

Tefft, Frederick A., assignor to A. Smilack, Toledo, Ohio. Extensible switch box. 1,501,250; July 15.

Terhorst, George C. and G. W., Pittsburgh, Pa. Electrical switch. 1,501,148; July 15.

Terhorst, George W. (See Terhorst, George C. and G. W.)

Ternstedt Mfg. Co. (See Edgar, F. M., and Andersen, assignors.)

Teruya, Jenshiro, Coney Island, Brooklyn, N. Y. Amusement apparatus. 1,501,823; July 15.

Testrup, Nils, London, assignor to The Techno-Chemical Laboratories Limited, Clapham Park, London, England. Method and apparatus for evaporating liquids. 1,501,515; July 15.

Tefer, Leland D., Livingstonville, N. Y. Stone gatherer. 1,501,379; July 15.

Tetzlaff, Benjamin A. (See Vitek, Charles, assignor.)

Thatcher, Charles J., New York, N. Y. Producing paramidophenol and its compounds. 1,501,472; July 15.

Thomas, Christopher A., East Macon, assignor of one-third to E. Warren, Macon, Ga. Toilet for passenger cars. 1,501,150; July 15.

Thompson, Frederick H., Chicago, Ill. Locking means for carriage bolts. 1,501,149; July 15.

Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Desk stand for hand telephones. Des. 65,204; July 15.

Thompson, Harry H. (See Benner, R. C., and Thompson.)

Thompson, Moreton R., et al. (See Bridge, Arthur F., assignor.)

Thompson, Parke H. (See Headley, B. T., and Thompson.

Thompson, Robert H. (See Corby, H. J., and Thompson.)

Thompson, Sylvester V., San Diego, Calif. Hydraulic jack. 1,501,151; July 15.

Thorin, Erik G., Mansbo, Avesta, assignor to Stockholms Superfosfat Fabriks Aktiebolag, Stockholm, Sweden. Manufacturing acetaldehyde from acetylene. 1,501,502; July 15.

Thorsell, Lars W., Waterbury, Conn. Paper ornament. 1,501,231; July 15.

Thropp, John E., assignor to The De Laski & Thropp Circular Woven Tire Company, Trenton, N. J. Fabric-laying attachment for tire-making machines. 1,501,574; July 15.

Timken Roller Bearing Company, The. (See Strong, Ernest G., assignor.)

Tincher, Chester A., Seattle, Wash. Syrup-spout closure. 1,501,473; July 15.

Tingue Manufacturing Company. (See Fauser, Gustave M., assignor.)

Titanium Pigment Company. (See Doremus, Charles A., assignor.)

Tobey, Harry W., Pittsfield, Mass., assignor to General Electric Company. Apparatus for resistance line welding. 1,501,872; July 15.

Tobien, Felix. (See Schön, L., and Tobien.)

Townsend, Herbert E., East Providence, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Footstock. 1,501,076; July 15.

Townsend, John R., South Bend, Ind., assignor to George Cutter Company. Lighting standard. Des. 65,205; July 15.

Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Relay. 1,501,733; July 15.

Trick, Edgar H., San Antonio, Tex. Shoe cleaner. 1,501,152; July 15.

Trowbridge, Edwin G., assignor to Medford Iron Works, Medford, Ore. Quartz mill. 1,501,503; July 15.

Truax, Harlow E., Bremerton, Wash. Motor-meter lens. 1,501,504; July 15.

Trundle, George T., jr., Cleveland, Ohio, assignor, by mesne assignments, to Pratt & Whitney Company, New York, N. Y. Thread-milling machine. 1,501,252; July 15.

Tung Foon Company. (See Cunningham, H. J., and Rosen, assignors.)

Turner, Ernest J. (See Howard, B. H., and Turner.)

Tutelman, Carl, Philadelphia, Pa. Shirt. 1,501,380; July 15.

Tween, Oscar H., Chicago, Ill. Cue tenoning and trimming machine. 1,501,632; July 15.

Tyer, John J., Greensboro, N. C. Making boxes. 1,501,294; July 15.

Tyler, Thaddeus F., Haverhill, Mass. Heel-drying apparatus. 1,501,633; July 15.

Tyrer, Daniel, Stockton-upon-Tees, England. Manufacture of red oxide of iron. 1,501,873; July 15.

Underwood Typewriter Company. (See Campbell, George W., assignor.)

Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

United Cigarette Machine Co. (See Ruau, Félix, assignor.)

United Engineering and Foundry Company. (See Moses, Richard W., assignor.)

United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)

United Shoe Machinery Corporation. (See Johnson, Merton E., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)

United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)

United Shoe Machinery Corporation. (See McVicar, Everett W., assignor.)

United Shoe Machinery Corporation. (See Morrill, Charles H., assignor.)

United Shoe Machinery Corporation. (See Ross, Isaac, assignor.)

United Shoe Machinery Corporation. (See Stanbon, Harry R., assignor.)

United States Ferro-Alloy Corporation. (See Petinot, Napoleon, assignor.)

Upton, Curtis P. (See Duncan, L., and Upton.)

Upton, Henry J., Medford, assignor to Vaughn-Upton Company, Boston, Mass. Thermometer case. 1,501,824; July 15.

Utendörfer, Wilhelm, Cologne, Germany. Coloring iron and steel black. 1,501,425; July 15.

Van Billiard, Morris H., Bethlehem, Pa. Threadless bolt. 1,501,634; July 15.

Van Dusen, Elizabeth, Los Angeles, Calif. Corset. 1,501,381; July 15.

Van Emon, Ray C., Porterville, Calif. Device for tightening auto wheels. 1,501,253; July 15.

Van Inwagen, Charles L., jr., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 1,501,077; July 15.

Van Ness, Henry E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine-starter pinion. 1,501,153; July 15.

Van Rossum, Frank L. (See Kugler, T., and Van Rossum.)

Vaughan, Henry M., Newton, Iowa. Washing machine. 1,501,254; July 15.

Vaughn-Upton Company. (See Upton, Henry J., assignor.)

Van Winkle, William A., assignor to The Dow Chemical Company, Midland, Mich. Making novocaine. 1,501,635; July 15.

Vennes, Harald J., Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Selective transmission of electric waves. 1,501,691; July 15.

Vernier, George E. (See Cullen, Ernest E., assignor.)

Vestal, George R., Owensboro, Ky. Penholder. 1,501, July 15.

Vink, Cornelius W. (See Dooley, Joseph R., assignor.)

Vitek, Charles, Maywood, Ill., assignor, by mesne assignments, to B. A. Tetziaff, Green Bay, Wis. Electrical ground-connection clamp. 1,501,636; July 15.

Voss, Johann H. H., New York, N. Y. High-speed compressor. 1,501,078; July 15.

Wade, Franklin S., et al. (See Bridge, Arthur F., assignor.)

Wagner, Frank, Vancouver, British Columbia, Canada. Automobile fender. 1,501,154; July 15.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Carbon paper. 1,501,575; July 15.

Wallace, David. (See Friedman, L., and Wallace.)

Wallace, Hugh. (See Hunt, J. H., and Wallace.)

Walle, Ludwig S., Schenectady, N. Y., assignor to General Electric Company. Electric-switch-controlling mechanism. 1,501,734; July 15.

Wallin, Joel L., assignor to G. Earl, St. Paul, Minn. Shoe-rest cabinet. 1,501,637; July 15.

Walliser, Carl O. and R. E., assignors to H. F. Walliser Company, Chicago, Ill. Bullion-fringe loom. 1,501,426; July 15.

Walliser, H. F., Company. (See Walliser, Carl O. and R. E., assignors.)

Walliser, Robert E. (See Walliser, Carl O. and R. E.)

Walters, Percy, Yonkers, N. Y. Ignition means for internal-combustion engines. 1,501,505; July 15.

Ward, Henry L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrode. 1,501,692; July 15.

Wardenburg, Frederic A., Wilmington, Del., assignor to General Motors Corporation, Detroit, Mich. Apparatus for refrigeration. 1,501,874; July 15.

Warner, Chester E. (See Benjamin, R. B., and Warner.)

Warner, S. C., administrator. (See Canning, John E.)

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,501,255; July 15.

Warren, Ebb. (See Thomas, Christopher A., assignor.)

Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)

Waters, Roberts A., and C. V. Lucius, Canton, Ohio. Brake-relining machine. 1,501,079; July 15.

Watkins, Eldon R., Kingman, Kans. Automatic whistle-actuating mechanism for locomotives. 1,501,506; July 15.

Watters, Leon L., assignor to Hospital Supply Company and Watters Laboratories Consolidated, New York, N. Y. Bedpan cleanser and sterilizer. 1,501,826; July 15.

Weeks Manufacturing Company. (See Winning, Robert K., assignor.)

Weiland, Alfred. (See Eckrode, C. E., Acken, and Weiland.)

Weimer, Robert E., and M. A. Speicher, assignors to Weimer-Warren Company, Colliers, W. Va. Rheostat. 1,501,638; July 15.

Weimer-Warren Company. (See Weimer, R. E., and Speicher, assignor.)

Welsh, Robert. (See Durnell, C. M., and Welsh.)

Wentz, Jere L. (See Shaw, J., and Harrison, assignors.)

Western Blower Company. (See Kaup, Edgar O., assignor.)

Western Electric Company. (See Albert, Walter P., assignor.)

Western Electric Company. (See Campbell, Thaddeus C., assignor.)

Western Electric Company. (See Conway, Roy D., assignor.)

Western Electric Company. (See Goodrum, Charles L., assignor.)

Western Electric Company. (See Harlow, John B., assignor.)

Western Electric Company. (See Heising, Raymond A., assignor.)

Western Electric Company. (See Johnson, Kenneth S., assignor.)

Western Electric Company. (See Keller, Leo, assignor.)

Western Electric Company. (See Kelsall, George A., assignor.)

Western Electric Company. (See Long, Maurice B., assignor.)

Western Electric Company. (See Lum, George R., assignor.)

Western Electric Company. (See Lundell, A. E., and Clark, assignors.)

Western Electric Company. (See Lysons, Noel H., assignors.)

Western Electric Company. (See Murphy, Paul B., assignor.)

Western Electric Company. (See Oswald, Arthur A., assignor.)

Western Electric Company. (See Snook, Homer C., assignor.)

Western Electric Company. (See Stearn, Franklin A., assignor.)

Western Electric Company. (See Stokely, Ray L., assignor.)

Western Electric Company. (See Van Inwagen, Charles L., jr., assignor.)

Western Electric Company. (See Ward, Henry L., assignor.)

Western Electric Company. (See Whiting, Donald F., assignor.)

Western Electric Company. (See Wilbur, Ray S., assignor.)

Western Electric Company, Incorporated. (See Cummings, George C., assignor.)

Western Electric Company, Incorporated. (See Lundell, A. E., and Wynne, assignors.)

Western Electric Company, Inc. (See Mortimer, Louis A., assignor.)

Western Electric Company, Incorporated. (See Scriven, Edward O., assignor.)

Western Electric Company, Incorporated. (See Vennes, Harald, assignor.)

Western Union Telegraph Company, The. (See Murray, Donald, assignor.)

Westinghouse Air Brake Company. (See Bartholomew, John R., assignor.)

Westinghouse Air Brake Company. (See Woernley, Harry F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)

Westinghouse Electric and Manufacturing Company. (See Chubb, Lewis W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gudge, B. J., and Guest, assignors.)

Westinghouse Lamp Company. (See Roesch, George B., assignor.)

Wetherbee, Carolyn E., Gardner, Mass. Stiffener for caps. 1,501,507; July 15.

Wharton, William, Jr., & Co. (See Psilander, Charles A., assignor.)

Wheary-Burge Trunk Company. (See Wheary, George H., assignor.)

Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Curtain and laundry bag. 1,501,256; July 15.

Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Trunk-shoe-box retaining means. 1,501,257; July 15.

Whisler, Chauncy P., Kenmore, assignor to The Miller Rubber Company, Akron, Ohio. Soft-headed mallet. 1,501,827; July 15.

Whisler, William H., Houston, Tex. Shock absorber. 1,501,382; July 15.

White, Daly O., Portland, Me. Motor fuel. 1,501,383; July 15.

White, John W., and L. H. Gaylord, assignors to General Motors Corporation, Detroit, Mich. Brake mechanism for motor vehicles. 1,501,885; July 15.

White, William C. Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,501,735; July 15.

Whitehead, Alexander G. (See Ingham, W. E., and Whitehead.)

Whiteley, James L. (See Brockman, Daniel C., assignor.)

Whiteley, Wade H. (See Redmon, Claude F., L. K., C. G., and J. T., assignors.)

Whiting, Bradford H., Chicago, assignor to Whiting Corporation, Harvey, Ill. Rope guard for crane trolleys. 1,501,736; July 15.

Whiting Corporation. (See Whiting, Bradford H., assignor.)

Whiting, Donald F., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. 1,501,576; July 15.

Wickham, Morris W., Buffalo, N. Y. Nursing-bottle holder. 1,501,080; July 15.

Wicksteed, Charles, & Company (1920) Limited. (See Robins, Charles H., assignor.)

Wiegand, August J. (See Grunow, W. C., and Wiegand.)

Wilbur, Ray S., Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmission system. 1,501,693; July 15.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Means and method for trimming blanks. 1,501,081; July 15.

Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Demountable-rim disk wheel. 1,501,082; July 15.

Williamson, James, et al. (See Robbins, Patrick, assignor.)

Wills, James M., Ottawa, Ontario, Canada. Lifting jack. 1,501,155; July 15.

Wills, Joseph F., North Little Rock, Ark. Combination bait cup and trigger. 1,501,384; July 15.

Wilmot Engineering Company. (See Wilmot, George W., assignor.)

Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Coal jig. 1,501,577; July 15.

Wilson, Albert R. (See Kean, O., and Wilson.)

Wilson, Fred D. (See Beatty, W. T., Davis, and Wilson.)

Wilson, John A., Elizabeth, assignor to Duratex Corporation, Newark, N. J. Flexible covering material and making same. 1,501,156; July 15.

Wilson, Samuel, Brooklyn, N. Y. Composition for the destruction of insects, fungi, and the like and applying the same. 1,501,427; July 15.

Wilson, William E., Mount Rainier, Md. Focusing view finder. 1,501,295; July 15.

Wilson, William W. (See Stoll, Fred S., assignor.)

Winning, Robert K., assignor, by mesne assignments, to Weeks Manufacturing Company, Milwaukee, Wis. Liquid-feeding device. 1,501,683; July 15.

Wintermeyer, Charles. (See Rich, Charles C., assignor.)

Wirth, Johannes, Hamburg, Germany. Indicator for barometer. Des. 65,206; July 15.

Wisoff, Julius, Brooklyn, N. Y. Retractor. 1,501,428; July 15.

Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling for cars. 1,501,157; July 15.

Wohlers, Friedrich H. N., Jamaica, N. Y., assignor to Dictograph Products Corporation. Signal system for telephones and the like. 1,501,694; July 15.

Wolfe, Arthur J., assignor to Decorative Fixture Company, Chicago, Ill. Display stand. 1,501,258; July 15.

Wolff, Ernest A. (See Cox, Sirrel T., assignor.)

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lantern. Des. 65,207; July 15.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Canopy for lighting fixtures. Des. 65,208; July 15.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture body. Des. 65,209; July 15.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Bobesche. Des. 65,210; July 15.

Wolter, Herman H., and G. P. Norton, Meriden, Conn., assignors to The Miller Company, New York, N. Y. Lamp base. Des. 65,211; July 15.

Wood, R. D., and Company. (See Schranz, Charles A.)

Wood, Walter. (See Schranz, Charles A., assignor.)

Woodson, Robert E., Webster Groves, Mo. Nut-cracking machine. 1,501,259; July 15.

Woolson, Lionel M., Dayton, Ohio, assignor, by mesne assignments, to The Dayton Engineering Laboratories Company. Electrical system for aircraft. 1,501,508; July 15.

Worthington Pump and Machinery Corporation. (See Brigham, Nelson E., assignor.)

Wreesmann, Ferdinand, Munich, Germany. Device for desiccating liquid substances. 1,501,875; July 15.

Wreesmann, Ferdinand, Munich, Germany. Method and device for evaporating the volatile constituents of solutions, emulsions, and suspensions. 1,501,876; July 15.

Wright, Bertram S., Sacramento, Calif. Nonglare lens. 1,501,385; July 15.

Wright, Coral H., Joseph, Idaho. Grass divider for mowers. 1,501,386; July 15.

Wright, Edgar R., Glenrock, Wyo. Oil burner. 1,501,509; July 15.

Wright, Frank H., and F. A. Keller, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry-cell battery and assembling the same. 1,501,084; July 15.

Wright, George H., Spokane, Wash. Seed planter. 1,501,828; July 15.

Wright, Herbert E., Melrose, assignor to Wright-Ziegler Company, Boston, Mass. Metal container. 1,501,829; July 15.

Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Lens mounting. 1,501,085; July 15.

Wright & Smith Machine Works. (See Picht, Frederick W., assignor.)

Wright-Ziegler Company. (See Wright, Herbert E., assignor.)

Wurdack, William, St. Louis, Mo. Screw-driver machine. 1,501,695; July 15.

Wurzer, Joseph. (See Klocke, A. A., and Wurzer.)

Wynne, James J. (See Lundell, A. E., and Wynne.)

Yardell, Charles A., Utica, N. Y. Hydraulic distributing valve. 1,501,158; July 15.

Yawman & Erbe Manufacturing Co. (See Schaffert, Adolf H., assignor.)

Yerkes, Hulbert A., Forest Hills, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Phonograph cabinet. Des. 65,212; July 15.

Zenke, Henry C., Richmond Hill, N. Y. Pig. 1,501,387; July 15.

Zepka, Ludwig R., Cleveland, Ohio. Theft signal. 1,501,296; July 15.

Zepp, Levigne M., Baltimore, Md. Mixing machine. 1,501,578; July 15.

Zimmerman, Joseph, Dayton, Ohio. Gasoline-cleaning composition. 1,501,086; July 15.

Zoul, Charles V., Santa Monica, Calif. De-emulsifying liquids. 1,501,877; July 15.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive elements, Producing. C. G. Olson. 1,501,229; July 15.
Abrasive helicoids, Machine for producing. C. G. Olson. 1,501,230; July 15.
Acetaldehyde from acetylene, Manufacturing. E. G. Thorin. 1,501,502; July 15.
Acid and making same, 6, 8-Dimethyl-2-phenylquinoline-4-carboxylic. M. L. Crossley. 1,501,274; July 15.
Acid and producing same, Ester of 6,8-dimethyl-2-phenylquinoline-4-carboxylic. M. L. Crossley. 1,501,275; July 15.
Addressing machine or like printing machine. L. M. Barman. 1,501,697; July 15.
Adjustable chair. L. Feasel. 1,501,533; July 15.
Aerial advertiser. A. A. Soulek and K. A. Hoblit. 1,501,818; July 15.
Aeroplane structure. M. C. Baumann and H. M. Rinehart. 1,501,549; July 15.
Agricultural implement. H. Ferguson. 1,501,651–2; July 15.
Agricultural implement. J. A. McDonald. 1,501,224; July 15.
Air-cleaning device for automotive motors. L. E. Stone. 1,501,144; July 15.
Aircraft carriage. C. Dornier. 1,501,397; July 15.
Aircraft, Electrical system for. L. M. Woolson. 1,501,508; July 15.
Aircraft, Landing skid for amphibian. R. P. Lewis. 1,501,608; July 15.
Aircraft observation window. V. E. Clark. 1,501,522; July 15.
Air into its constituents, Apparatus for separation of. J. G. Lafferty. 1,501,415; July 15.
Air, Method of and apparatus for conditioning. L. Helmer. 1,501,660; July 15.
Air-sealing means. A. Kingsbury and H. A. S. Howarth. 1,501,404; July 15.
Air washer. B. S. Harrison. 1,501,110; July 15.
Air washer. E. O. Kaup. 1,501,559; July 15.
Airplane. V. E. Clark. 1,501,523; July 15.
Airplane. I. H. Driggs. 1,501,530; July 15.
Alarm device. D. A. Alexander. 1,501,260. July 15.
Ammonia synthesis. G. Claude. 1,501,436; July 15.
Amusement apparatus. J. Teruya. 1,501,823. July 15.
Amusement ride. H. F. Maynes. 1,501,613. July 15.
Animal-ringing tool. F. Peterson. 1,501,386; July 15.
Animal trap. V. C. Garrison. 1,501,213; July 15.
Animal trap. M. Matejewski. 1,501,463; July 15.
Animal trap. P. J. Nicholas and W. Jones. 1,501,882; July 15.
Animal trap. S. Talisman. 1,501,378; July 15.
Anklet. V. Guinzburg. Des. 65,184; July 15.
Antikicking device for animals. E. H. Harford. 1,501,772; July 15.
Antirattling device. F. M. Edgar and A. C. Andersen. 1,501,322; July 15.
Antiskid device. D. H. Good. 1,501,594; July 15.
Antiskid device. E. W. Hanley. 1,501,771; July 15.
Apparel, Wearing. D. H. Hodes. 1,501,113; July 15.
Arch support. H. A. Freese. 1,501,765; July 15.
Arch support. G. H. Jung, jr. 1,501,349; July 15.
Arch support. F. S. Lewis. 1,501,607; July 15.
Arm, Artificial. F. Burney, jr. 1,501,308; July 15.
Armature-constructing fixture. R. H. Ahlers. 1,501,510; July 15.
Auto fender. A. Steach. 1,501,820; July 15.
Automobile air brake. J. T. Strother. 1,501,146; July 15.
Automobile body, Advertising. M. Kipperman. 1,501,405; July 15.
Automobile construction, Extensible. H. R. Bruah. 1,501,701; July 15.
Automobile elevator. E. G. Harris. 1,501,599; July 15.
Automobile engine brake. R. G. Noble. 1,501,363; July 15.
Automobile fender. F. Wagner. 1,501,154; July 15.
Automobile spring construction. F. N. Sprague. 1,501,819; July 15.
Automobile spring suspension. W. B. Connell. 1,501,475; July 15.
Automobile, Chock block for. T. E. Houghton. 1,501,883; July 15.
Automobile, Sanding device for. C. F. Dienstbach and J. W. Knemmerle. 1,501,650; July 15.
Automotive brake. J. R. Bartholomew. 1,501,159; July 15.

Back rest. A. J. Bayles. 1,501,300; July 15.
Bag: *See*—
Curtain and laundry bag.
Bailer. A. Boynton. 1,501,306; July 15.
Bait cup and trigger, Combination. J. F. Wills. 1,501,384; July 15.
Baking machine. M. Matsuo. 1,501,494; July 15.
Barium cyanide, Manufacture of. C. Deguide. 1,501,840; July 15.
Barometer, Indicator for. J. Wirth. Des. 65,206; July 15.
Bar: *See*—
Grate bar.
Bars, Method and means for making compromise angle. C. A. Psilander. 1,501,186; July 15.
Basin-cover appliance. B. Ozwirk. 1,501,177; July 15.
Bath: *See*—
Shower bath.
Bath mat. A. Benedek. 1,501,739; July 15.
Bathroom unit. G. F. Blume. 1,501,197; July 15.
Bathtub, Collapsible. J. S. Amsel. 1,501,833; July 15.
Battery and assembling the same, Dry-cell. F. H. Wright and F. A. Keller. 1,501,084; July 15.
Battery box, Motor-vehicle. J. E. Amend. 1,501,832; July 15.
Batteries, Automatic control for charging secondary. C. L. Goodrum. 1,501,046; July 15.
Batteries, Containing cell for electric. L. Lyndon. 1,501,351–2; July 15.
Bearing. H. A. S. Howarth. 1,501,401; July 15.
Bearing, Adjustable thrust. T. S. Miller. 1,501,614; July 15.
Bearing, Thrust. A. P. Geer. 1,501,447; July 15.
Bearings, Device for burnishing surfaces of rolls for roller. E. G. Strong. 1,501,690; July 15.
Bedpan. A. C. McNetton. 1,501,678; Jul- 15.
Bedpan cleanser and sterilizer. L. L. Watters. 1,501,826; July 15.
Bench block and drill holder. J. B. Marquis. 1,501,860; July 15.
Binder, Loose-leaf. J. Schade. 1,501,243; July 15.
Block: *See*—
Tile and terra-cotta block.
Board: *See*—
Game board.
Bobesche. H. H. Wolter. Des. 65,210; July 15.
Boiler. F. B. Howell. 1,501,847; July 15.
Boiler attachment. S. J. Lindell. 1,501,789; July 15.
Bolt: *See*—
Threadless bolt.
Bolt-holder tool. J. S. Harris. 1,501,050; July 15.
Bolts, Locking means for carriage. F. H. Thompson. 1,501,149; July 15.
Boron carbide, Producing. E. Podszus. 1,501,419; July 15.
Bottle. E. P. Benois. Des. 65,157; July 15.
Bottle. C. J. Howel. Des. 65,187; July 15.
Bottle holder, Nursing-. M. W. Wickham. 1,501,080; July 15.
Box: *See*—
Battery box. Suit box.
Display box. Tackle box.
Match box.
Box and holder therefor, Collapsible fruit. O. W. Schulz. 1,501,812; July 15.
Box partition. G. H. Fritzsche. 1,501,537; July 15.
Boxes, Closure for. E. B. Flagg. 1,501,209; July 15.
Boxes, Making. J. J. Tyer. 1,501,294; July 15.
Brace: *See*——
Fender brace. Railway-rail brace.
Bracelet catch. L. E. Sadler. 1,501,867; July 15.
Bracket: *See*—
Ladder bracket. Shade bracket.
Braid for garments and similar articles, Trimming. M. Mittendorff. Des. 65,197; July 15.
Braid-knitting machine. J. A. List. 1,501,857; July 15.
Braiding-machine yarn carrier. O. A. Frederickson. 1,501,846; July 15.
Brake: *See*—
Automobile air brake. Automotive brake.
Automobile engine brake. Hydraulic brake.
Brake. W. Cooper. 1,501,311; July 15.
Brake-relining machine. R. A. Waters and C. V. Lucius. 1,501,079; July 15.
Brake shoe. H. W. Muhleisen. 1,501,359; July 15.
Bread, Making. W. A. Darrah. 1,501,527; July 27.
Bread raiser. I. A. Parry. 1,501,231; July 15.

Bread with butter or the like, Machine for spreading. C. H. Robins. 1,501,727; July 15.
Brick, Method and apparatus for making. R. P. M. Davis. 1,501,479; July 15.
Bricklayer's tool. W. J. Kimber. 1,501,403; July 15.
Bridge signal. J. S. Bay. 1,501,301; July 15.
Briquettes, Making peat. F. T. Dow. 1,501,101; July 15.
Broach. J. Oakley. 1,501,716; July 15.
Broaching machine. A. F. Donaldson. 1,501,317; July 15.
Brooches and the like, Safety catch for. F. E. Farnham. 1,501,845; July 15.
Broom. M. Jennings. Des. 65,191; July 15.
Brush, Fountain. J. F. Andrews. 1,501,089; July 15.
Brush, Painting, cleaning, sandblasting, and general-utility air. P. A. Blenkley. 1,501,432; July 15.
Buckle. C. Rosenblum. Des. 65,201; July 15.
Building blocks, Molds for making. O. E. Bornhauser and J. E. Hermau. 1,501,644; July 15.
Building construction. E. L. Ovington. 1,501,364; July 15.
Building material. O. A. Bigler. 1,501,512; July 15.
Bumper. J. C. Griffin and W. Jean. 1,501,595; July 15.
Burner: *See*—
Fuel burner. Oil burner.
Gas burner.
Butter cutter. W. Lockett. 1,501,673; July 15.
Cabinet. H. C. Gowran. 1,501,658; July 15.
Cabinet and table, Combination. H. P. Dana. 1,501,440; July 15.
Cabinet, Shoe-rest. J. L. Wallin. 1,501,637; July 15.
Cable carrier, Suspended. R. K. Chapman and E. G Messer. 1,501,748; July 15.
Cakes, Apparatus for cooling and chilling hot chocolate and other confection-covered. P. Rasmussen. 1,501,724; July 15.
Calcining carbon and products thereof. V. C. Hamister. 1,501,108; July 15.
Calendar. W. S. Orth. 1,501,803; July 15.
Calling device, Automatic. H. H. Ide. 1,501,281; July 15.
Camera. H. F. McMahon. 1,501,677; July 15.
Camera for photographing quickly-moving objects. F. Duda. 1,501,842; July 15.
Cameras or the like, Focus range finder for. A. Kurnick. 1,501,461; July 15.
Candy mold. M. M. Haddad. 1,501,659; July 15.
Candlestick or similar article. W. Geib. Des. 65,182; July 15.
Cannery exhauster and cooker. F. W. Picht. 1,501,135; July 15.
Cap, Adjustable. P. A. Fischer. 1,501,654; July 15.
Cap, Bathing. D. D. Logan. 1,501,409; July 15.
Cap, Dust. H. P. Kraft. 1,501,350; July 15.
Cap, Dust. E. V. Myers. 1,501,362; July 15.
Cap stiffener. C. E. Wetherbee. 1,501,507; July 15.
Caps, Headband for use in connection with bathing. A. L. Gage. 1,501,591; July 15.
Car-door-locking device. W. J. Martin. 1,501,228; July 15.
Car, Railway. T. Elliott. 1,501,325; July 15.
Car unloader. C. L. Keller. 1,501,879; July 15.
Cars, Electric coupling for. H. F. Woernley. 1,501,157; July 15.
Carbon, Production of. A. M. Hart. 1,501,111; July 15.
Carbonate containing minerals, Increasing the fineness of ground. O. Reitmair. 1,501,865; July 15.
Carrier: *See*—
Braiding-machine yarn carrier. Cable carrier.
Case: *See*—
Display case. Vanity case.
Thermometer case.
Casket emblems, Base for. J. A. Heinz. 1,501,400; July 15.
Caster wheel. J. Bowen. 1,501,743; July 15.
Casting, Rotary. A. M. Henry. 1,501,337–8; July 15.
Cellulose derivatives, Manufacture of. H. Dreyfus. 1,501,207; July 15.
Cement, Combined form and reenforcement for. H. J. and H. H. Karstens. 1,501,850; July 15.
Centrifugal extractor. D. H. Benjamin. 1,501,642; July 15.
Chain lock. C. W. Beauchamp. 1,501,302; July 15.
Chair: *See*—
Adjustable chair. Tilting chair.
Chair. C. H. Peters and E. D. Bump. 1,501,181; July 15.
Chair-back, Panel for. H. P. Nelson. Des. 65,198; July 15.
Chandelier. H. E. Bohl. Des. 65,160; July 15.
Change-speed apparatus. R. Decoux. 1,501,705; July 15.
Chemise. J D'Etreillis. Des. 65,180; July 15.
Choke detector. J. Prush and A. B. Lanigan. 1,501,808; July 15.
Chromium steel and chromium iron, Making. N. Petinot. 1,501,183; July 15.
Cigar-perforating device. C. Schley. 1,501,811; July 15.
Cigars and cigarettes, Box or container for. S. Baird. 1,501,696; July 15.
Cigarette machines, Tobacco-feeding apparatus for. T. Ruau. 1,501,622; July 15.
Cigarette-making device. J. E. Crotty. 1,501,313; July 15.
Circuits, Selective. M. B. Long. 1,501,674; July 15.
Clamp: *See*—
Concrete-form clamp.
Clamp, Electrical ground-connection. C. Vitek. 1,501,636; July 15.
Clasp. S. Koteles. 1,501,785; July 15.
Classifying apparatus. F. De Mier. 1,501,204; July 15.
Cleaner: *See*—
Oil-spout cleaner. Shoe cleaner.
Clothes-washing machine. B. Ortell. 1,501,133; July 15.
Clothesline hanger. R. Cavicchi. 1,501,096; July 15.
Club, Playing. E. L. Hubbard. 1,501,344; July 15.
Clutch. T. F. Philippi. 1,501,232; July 15.
Clutch-control mechanism. C. L. Best. 1,501,740; July 15.
Clutch, Key. R. W. Strout. 1,501,422; July 15.
Coal-cutting machine. J. W. Blower. 1,501,093; July 15.
Coating device for metallic strips. W. E. Flint. 1,501,764; July 15.
Coating metals, flux therefor, etc. R. Staack. 1,501,293; July 15.
Cock, Angle. S. G. Neal. 1,501,063; July 15.
Cock, Priming. C. R. Short and R. C. Darnell. 1,501,526; July 15.
Coffee urn. N. J. Erzig. 1,501,165; July 15.
Coil-bending device. G. B. Roesch. 1,501,064; July 15.
Coin handler. O. C. Bernard. 1,501,430; July 15.
Collar fastener. J. Crnoev. 1,501,273; July 15.
Coloring iron and steel black. W. Utendörfer. 1,501,425; July 15.
Column cap. A. L. Smith. 1,501,194; July 15.
Compressor, High-speed. J. H. H. Voss. 1,501,078; July 15.
Concrete, Apparatus for compacting. E. G. Carr. 1,501,039; July 15.
Concrete-form clamp. J. J. Fronsoe and J. Rogalski. 1,501,212; July 15.
Concrete pile and means for and method of producing same. M. Blumenthal and E. G. Gardner. 1,501,643; July 15.
Concrete pipes, Apparatus for handling. C. Meriwether. 1,501,888; July 15.
Concrete structure. C. D. Morley. 1,501,288; July 15.
Concrete walls, Process of and apparatus for making. A. W. Dube. 1,501,707; July 15.
Condenser, Variable. L. A. Hammarlund 1,501,543; July 15.
Condenser, Variable. G. Jacobs. 1,501,402; July 15.
Connecting mechanism. E. H. Schwarz. 1,501,497; July 15.
Container, Material. J. E. Gilda. 1,501,656; July 15.
Control mechanism. H. L. Hirschler. 1,501,340; July 15.
Controller finger. L. A. Froberger. 1,501,708; July 15.
Conveyer. C. V. Peterson. 1,501,721; July 15.
Conveyer. C. L. Van Inwagen, jr. 1,501,077; July 15.
Conveying and excavating machine. W. Goizuta y López de Zubiria. 1,501,706; July 15.
Cooker. O. W. Crossley. 1,501,203; July 15.
Cooling apparatus. A. D. Lane. 1,501,416; July 15.
Cooling system. S. W. Rushmore. 1,501,065; July 15.
Cork-making machines, Feeding attachment for crown-. A. Bogdánffy. 1,501,700; July 15.
Corn-popping machine. W. G. Howe. 1,501,114; July 15.
Corn-popping machine. L. J. Isenhour. 1,501,168; July 15.
Corn-popping machine. W. Cadorus. 1,501,624; July 15.
Corset. E. Van Dusen. 1,501,381; July 15.
Corset cover. J. D'Etreillis. Des. 65,172–6; July 15.
Corset cover. J. D'Etreillis. Des. 65,178; July 15.
Cotton picker. H. Hanson. 1,501,334; July 15.
Coupling: *See*—
Flexible coupling. Release coupling.
Line coupling. Shaft coupling.
Counterset. H. J. Cunningham and C. G. A. Rosén. 1,501,477; July 15.
Cowl cover. A. H. Nann. 1,501,175; July 15.
Crate. R. L. Dailey. 1,501,314; July 15.
Crutch. R. Beam. 1,501,580; July 15.
Cue tenoning and trimming machine. O. H. Tweten. 1,501,632; July 15.
Curb-box and cock support. V. E. Beagle. 1,501,511; July 15.
Current regulator. K. Crittenden. 1,501,395; July 15.
Curtain and laundry bag. G. H. Wheary. 1,501,256; July 15.
Cushion wheel. W. P. Hoopes. 1,501,778; July 15.
Cut-off mechanism. B. M. Fine. 1,501,653; July 15.
Cutter: *See*—
Butter cutter.
Cylinder head. R. W. Nyberg. 1,501,715; July 15.
De-emulsifying liquids. C. V. Zoul. 1,501,877; July 15.
Dental mandrel. J. E. Canning. 1,501,269; July 15.
Desiccating liquid substances, Device for. F. Wreesmann. 1,501,875; July 15.
Detector: *See*—
Choke detector.
Die: *See*—
Punching die.
Die and cutter. C. G. Johnson. 1,501,118; July 15.
Disazo coloring matter. A. W. Joyce. 1,501,348; July 15.
Disintegrator. S. A. Kost. 1,501,282; July 15.
Disk, Cutting. M. M. Irvine. 1,501,780; July 15.

Disk wheel, Demountable-rim. W. E. Williams. 1,501,082; July 15.
Dispensing apparatus. J. E. Dankworth. 1,501,755; July 15.
Display box. O. C. Hanisch. 1,501,770; July 15.
Display case. J. Davis. 1,501,528; July 15.
Display holder. C. J. Anderson. 1,501,087; July 15.
Display stand. A. J. Wolfe. 1,501,258; July 15.
Distant control system. R. A. Heising. 1,501,711; July 15.
Distributors, Breaker mechanism for. P. E. Demmer. 1,501,442; July 15.
Ditcher. C. F. Holybee. 1,501,167; July 15.
Ditching machine. A. G. and A. Ronning. 1,501,621; July 15.
Doll. H. E. Hollingsworth. 1,501,777; July 15.
Door, Grain. J. Mattson. 1,501,128; July 15.
Door lock. S. R. Ferguson. 1,501,208; July 15.
Drag, Combination road and farm. I. W. Dunning and H. C. Shipley. 1,501,892; July 15.
Drag, Road. P. B. Day. 1,501,880; July 15.
Drawing instruments, Making. A. W. Keuffel. 1,501,169; July 15.
Drier: *See*—
Seed-corn drier.
Drill: *See*—
Rock drill.
Drill. T. E. Sturtevant. 1,501,075; July 15.
Drum and cymbal beater. R. C. Danly. 1,501,278; July 15.
Drying process and apparatus. T. Boberg. 1,501,514; July 15.
Drying process and apparatus therefor. T. Boberg. 1,501,513; July 15.
Dump bed and body. W. O. Dixon. 1,501,205; July 15.
Dyestuffs dyeing in reducing baths and their process of manufacture, Green. L. Haas. 1,501,769; July 15.
Egg-turning device. S. Smith. 1,501,292; July 15.
Electric distribution and transmission systems, Protective arrangement for. P. V. Hunter. 1,501,115; July 15.
Electric distribution, System of. E. F. Bliss. 1,501,699; July 15.
Electric machine, Dynamo. J. Burke. 1,501,878; July 15.
Electric motor. J. H. Hunt. 1,501,558; July 15.
Electric-switch-controlling mechanism. L. S. Walle. 1,501,734; July 15.
Electric tempering. E. Ramondo. 1,501,369; July 15.
Electric waves, Selective transmission of. H. J. Venner. 1,501,691; July 15.
Electrical contact element. B. J. Gudge and P. G. Guest. 1,501,330; July 15.
Electrical generation system. C. F. Kettering and W. A. Chryst. 1,501,853; July 15.
Electrical network. K. S. Johnson. 1,501,667; July 15.
Electrical switch. G. C. and G. W. Terhorst. 1,501,148; July 15.
Electrical testing system. D. F. Whiting. 1,501,576; July 15.
Electrical translating device. L. Schön and F. Tobien. 1,501,869; July 15.
Electrode. H. L. Ward. 1,501,692; July 15.
Electrode, Arc-welding. P. H. Brace. 1,501,266; July 15.
Electrolytic process and cell. J. C. Downs. 1,501,756; July 15.
Electromagnet. H. Lacy. 1,501,787; July 15.
Elevator: *See*—
Automobile elevator. Mail elevator.
Emergency jack. E. J. Oxford and J. Petr. 1,501,719; July 15.
Engine: *See*—
Internal-combustion engine.
Engine. H. L. Kline. 1,501,459; July 15.
Engine construction. C. F. Kettering. 1,501,561; July 15.
Engine starter. W. L. McGrath. 1,501,056; July 15.
Engine starter. W. L. McGrath. 1,501,172; July 15.
Engine-starter pinion. H. E. Van Ness. 1,501,153; July 15.
Engine-starting device. W. A. Chryst. 1,501,519; July 15.
Engine-starting system. C. F. Kettering. 1,501,852; July 15.
Engines, Attachment for internal-combustion. J. P. Lippert. 1,501,565; July 15.
Engines, Ignition means for internal-combustion. P. Walters. 1,501,505; July 15.
Engines, Primer and air intake for gas. L. J. Skinner. 1,501,376; July 15.
Engines, Valve gear for internal-combustion. E. R. Burtnett and T. E. Berry. 1,501,392; July 15.
Envelope-fastener strip. A. Olgay. 1,501,717; July 15.
Erasers, Brush and holder attachment for. J. P. Nielsen. 1,501,863; July 15.
Evaporating the volatile constituents of solutions, emulsions, and suspensions, Method and device for. F. Wreesmann. 1,501,876; July 15.
Evaporator coil. S. Brown. 1,501,646; July 15.
Extractor: *See*—
Centrifugal extractor.
Extractor drive mechanism. A. R. Curtis. 1,501,163; July 15.
Fan, Ventilating. L. A. Cates. 1,501,201; July 15.
Felt washer. J. Peacock, E. McClellan, and F. F. Dority. 1,501,179; July 15.
Fender: *See*—
Auto fender. Automobile fender.
Fender brace. D. S. Bachelder. 1,501,834; July 15.
Fertilizer and the manufacture of same. J. Breslauer and C. Goudet. 1,501,645; July 15.
Filing guide card. A. H. Schaffert. 1,501,067; July 15.
Filing system. C. F. Cook. 1,501,439; July 15.
Fingerprints, Taking. A. J. Drummond. 1,501,841; July 15.
Finger ring. B. Ogush. 1,501,616; July 15.
Firearm. J. W. French. 1,501,446; July 15.
Flexible coupling. C. L. Rayfield. 1,501,187; July 15.
Flexible covering material and making same. J. A. Wilson. 1,501,156; July 15.
Floor protector, Porch-. I. H. Taylor. 1,501,573; July 15.
Flours from fish and like materials, Manufacture of high-grade. S. Hiller. 1,501,775; July 15.
Fluid-pressure control system. H. B. Taylor. 1,501,147; July 15.
Flushing device. D. E. Gulick. 1,501,331; July 15.
Flushing tank. D. Reed. 1,501,620; July 15.
Fly swatter. J. S. Rairden. 1,501,467; July 15.
Flying machine. W. Armstrong. 1,501,299; July 15.
Flying machine, Carriage for. C. Dornier. 1,501,396; July 15.
Focusing view finder. W. E. Wilson. 1,501,295; July 15.
Folded material, Sheet of. P. H. Horwitt. 1,501,662; July 15.
Folding machine. F. W. and T. E. Hecter. 1,501,774; July 15.
Folding machine. C. G. Rolfne and C. Norre. 1,501,237; July 15.
Food products, Mechanism for conveying and stacking. E. E. Lawrence. 1,501,285; July 15.
Footstock. H. E. Townsend. 1,501,076; July 15.
Footwear, Manufacturing. C. H. Morrill. 1,501,062; July 15.
Frame: *See*—
Heddle frame.
Fuel burner. J. H. Hunt and H. Wallace. 1,501,490; July 15.
Fuel converter. W. A. Edwards. 1,501,323; July 15.
Fuel, Motor. D. O. White. 1,501,383; July 15.
Furnace: *See*—
Hot-air furnace.
Furnace. N. F. Egler. 1,501,532; July 15.
Furnaces, Electrode for high-tension arc. W. Siebert. 1,501,420; July 15.
Furnaces, Oil burner for. S. Cock. 1,501,838; July 15.
Furnaces, Wall for boiler. J. H. Lawrence. 1,501,563; July 15.
Furniture, Leg rest for. O. C. Little. 1,501,122; July 15.
Fuse plug. H. T. Paiste. 1,501,864; July 15.
Game. F. Portman. 1,501,185; July 15.
Game board. W. F. Baker. 1,501,641; July 15.
Game device. C. L. Cruver. 1,501,276; July 15.
Garment, Athletic union. A. N. Oppenheim. 1,501,802; July 15.
Garment former. C. H. Boyuls. 1,501,307; June 15.
Garment hanger. F. M. Rauch. 1,501,468; July 15.
Gas burner. I. B. Taylor. 1,501,031; July 15.
Gas generator, Acetylene-. O. Maxon. 1,501,793; July 15.
Gas holder. A. F. Bridge. 1,501,267–8; July 15.
Gas-mask canister. F. A. Logan. 1,501,286; July 15.
Gas producer. C. A. Schranz. 1,501,870; July 15.
Gasket, Manifold. W. J. Bliffert. 1,501,196; July 15.
Gasoline-cleaning composition. J. Zimmerman. 1,501,086; July 15.
Gasoline vender. F. D. Ewing. 1,501,556; July 15.
Gear controller. J. C. McDowell. 1,501,353; July 15.
Gear shift, Hand-operated. H. L. Gibbons. 1,501,767; July 15.
Gearing, Clutch-controlled. A. S. Burnett and T. Collins. 1,501,199; July 15.
Generator: *See*—
Gas generator. Oscillation generator.
Motor and ignition generator.
Girdle. L. C. Rosenbaum. 1,501,728; July 15.
Glass, Apparatus for surfacing plate. J. H. Fox. 1,501,327; July 15.
Glass-mold plungers, Making. J. Soderberg. 1,501,246; July 15.
Glassworking apparatus. J. M. Said and D. E. Gray. 1,501,868; July 15.
Grain, Apparatus for polishing. H. T. McGill. 1,501,610; July 15.
Grain cradle. O. O. Schwob. 1,501,375; July 15.
Grate bar, Sawdust. A. J. Parsons. 1,501,618; July 15.
Grinders and the like, Supporting means for rotatable. E. Nielsen. 1,501,681; July 15.
Grinding wheel. P. Siegel. 1,501,730; July 15.
Gyroscopic navigation instrument. C. G. Abbot. 1,501,886; July 15.
Hair clippers. E. F. Allin. 1,501,737; July 15.
Hairpin. M. Colby. 1,501,750; July 15.
Hairpin. R. L. McLearn. 1,501,127; July 15.
Hammer. G. F. Brock. 1,501,095; July 15.
Hammers, Triple-jawed wrench attachment for. E. E. Cullen. 1,501,586; July 15.
Hammers, Wrench attachment for. E. E. Cullen. 1,501,585; July 15.
Handle. J. W. Dye. 1,501,480; July 15.
Hanger: *See*—
Clothesline hanger. Garment hanger.

Hardware and making same, Builder's. R. H. Gardner. 1,501,538; July 15.
Hat-supporting hook. O. Petschel. 1,501,807; July 15.
Headlight bulb. P. Sherman. 1,501,245; July 15.
Headlights, Light deflector for. C. E. Hughes. 1,501,779; July 15.
Heater for faucets, Electric. O. Graetzer and O. F. Bruman. 1,501,768; July 15.
Heating apparatus, Combined fluid-fuel and solid-fuel. F. A. Nieberding. 1,501,680; July 15.
Heddle frame. O. D. Moreau. 1,501,796; July 15.
Heel-breasting machine. I. Ross. 1,501,238; July 15.
Heel-drying apparatus. T. F. Tyler. 1,501,633; July 15.
Heels, Machine for operating upon. T. Lund. 1,501,171; July 15.
Hemming machine. W. Case. 1,501,747; July 15.
Hen-marking device. J. Camplon. 1,501,200; July 15.
Hoisting and conveying device. D. S. Andrews. 1,501,035; July 15.
Hoisting mechanism. O. E. Clark. 1,501,099; July 15.
Holder. J. C. Smith. 1,501,629; July 15.
Hook: *See*—
Hat-supporting hook. Snap hook.
Horn, Acoustic. M. Abrahams. 1,501,032; July 15.
Horn, Reenforced. R. Mertz. 1,501,794; July 15.
Hot-air furnace, Gas-fired. W. C. Langston. 1,501,283; July 15.
House: *See*—
Poultry house.
Hydrant. H. F. Neumeyer. 1,501,799; July 15.
Hydraulic brake. W. P. English and H. C. Cutting. 1,501,444; July 15.
Hydraulic brake. C. W. Hoover. 1,501,451; July 15.
Hydraulic jack. S. V. Thompson. 1,501,151; July 15.
Hypodermic needles, Container for. L. Eisele. 1,501,324; July 15.
Ignition apparatus. J. H. Hunt and W. A. Chryst. 1,501,486; July 15.
Ignition system. W. A. Chryst. 1,501,517; July 15.
Ignition system. W. A. Chryst. 1,501,521; July 15.
Ignition system. J. H. Hunt. 1,501,484–5; July 15.
Ignition system. J. H. Hunt. 1,501,487; July 15.
Ignition system. J. H. Hunt. 1,501,848; July 15.
Ignition-system control. W. A. Chryst. 1,501,518; July 15.
Ignition systems, Regulator for. J. H. Hunt and J. T. Fitzsimmons. 1,501,489; July 15.
Images of pictures or natural objects, Means for distorting. H. L. Cooke. 1,501,161; July 15.
Implement raising and lowering means. E. Rezler. 1,501,137; July 15.
Impressions upon traveling sheets or webs, Mechanism for making. G. W. Swift, jr. 1,501,500; July 15.
Index device. J. H. Rand. 1,501,233; July 15.
Index folder. J. H. Rand. 1,501,234; July 15.
Indicating instrument. A. R. Beckert. 1,501,698; July 15.
Indicator: *See*—
Temperature indicator. Vehicle director indicator.
Inductance device and operating the same. G. A. Kelsall. 1,501,669; July 15.
Ingot molds, Shrink-head casting for. E. and M. Gathmann. 1,501,655; July 15.
Injector, Aniline. T. Midgley, jr. 1,501,568; July 15.
Insects, fungi, and the like and applying the same, Composition for the destruction of. S. Wilson. 1,501,427; July 15.
Insulated container. L. F. Marsh. 1,501,227; July 15.
Insulator, Column-strain. L. Steinberger. 1,501,688; July 15.
Insulator, Column-strain. L. Steinberger. 1,501,732. July 15.
Insulator parts, Connecting. M. F. H. Gouverneur. 1,501,107; July 15.
Internal-combustion engine. E. R. Burtnett. 1,501,393; July 15.
Internal-combustion engine. H. H. Cutler. 1,501,041; July 15.
Internal-combustion engine. W. B. Earnshaw. 1,501,531; July 15.
Internal-combustion engine. F. Laguesse. 1,501,855; July 15.
Internal-combustion engine. C. R. Short and A. Taub. 1,501,884; July 15.
Internal-combustion engine. H. A. G. Siekmann. 1,501,626; July 15.
Internal-combustion engine, Rotary. R. A. Moore. 1,501,357; July 15.
Internal wrench. C. J. Mick. 1,501,889; July 15.
Jack: *See*—
Emergency jack. Pump jack.
Hydraulic jack. Step jack.
Lifting jack.
Jacket. J. D'Etrevillis. Des. 65,179; July 15.
Jacks, Positive stop for lifting. C. W. Ripsch and J. C. Dawley. 1,501,190; July 15.
Jig, Coal. G. W. Wilmot. 1,501,577; July 15.
Kilns, Lining for cement-drying. J. L. Lundberg. 1,501,566; July 15.
Kitchen utensil. R. M. Biggs. 1,501,741; July 15.
Knife and holder. H. A. Cumfer. 1,501,162; July 15.
Knit abrasive fabric and article made therefrom. R. B. Kingman. 1,501,784; July 15.
Lace-braiding machine. H. Buscher. 1,501,394; July 15.
Ladder bracket. C. W. Armitage. 1,501,298; July 15.
Lamp base. F. Collins. Des. 65,165; July 15.
Lamp base. F. Collins. Des. 65,167; July 15.
Lamp base. H. H. Wolter and G. P. Norton. Des. 65,211; July 15.
Lamp base. F. Collins. Des. 65,163; July 15.
Lamp bracket. F. Collins. Des. 65,162; July 15.
Lamp bracket. F. Collins. Des. 65,164; July 15.
Lamp bracket. F. Collins. Des. 65,166; July 15.
Lamp bracket. F. Collins. Des. 65,168; July 15.
Lamp, Electric arc. H. Jackson. 1,501,219; July 15.
Lamp shades, lanterns or similar articles, Frame for. N. Lipsky. Des. 65,196; July 15.
Lamp socket, Multiple. S. G. Maiby and N. W. Spaulding. 1,501,611; July 15.
Lamps, Means for supporting. H. H. Meyer, jr. 1,501,418; July 15.
Lantern. H. H. Wolter. Des. 65,207; July 15.
Latch for vaulty cases. S. Morrison. 1,501,798; July 15.
Lathe. W. E. Ingham and A. G. Whitehead. 1,501,346; July 15.
Lathe-controlling mechanism. C. F. Randolph. 1,501,723; July 15.
Laundry machines, Determining the efficiency of. R. L. Lee. 1,501,856; July 15.
Leer feeder. M. K. Holmes. 1,501,602; July 15.
Lens, Motor-meter. H. E. Truax. 1,501,504; July 15.
Lens mounting. W. J. Wrighton. 1,501,085; July 15.
Lens, Nonglare. B. S. Wright. 1,501,385; July 15.
License plate. C. D. Crase. 1,501,839; July 15.
Lifter: *See*—
Valve lifter.
Lifting jack. G. Lane. 1,501,605; July 15.
Lifting jack. J. M. Wills. 1,501,155; July 15.
Light plug, Two-point-connecter. C. Porter. 1,501,466; July 15.
Lighting fixture. L. A. Crumley. Des. 65,169; July 15.
Lighting fixture, Adjustable. P. J. Cousins. 1,501,524; July 15.
Lighting-fixture arm or similar article. L. A. Crumley. Des. 65,170; July 15.
Lighting-fixture body. H. H. Wolter. Des. 65,209; July 15.
Lighting-fixture bracket or an article of similar nature. I. Rosenblatt. Des. 65,200; July 15.
Lighting-fixture husk. H. E. Bohl. Des. 65,158; July 15.
Lighting-fixture part or similar article. B. A. Segar. Des. 65,202; July 15.
Lighting fixtures, Backplate for. H. E. Bohl. Des. 65,159; July 15.
Lighting fixtures, Backplate for. L. A. Crumley. Des. 65,171; July 15.
Lighting fixtures, Canopy for. H. H. Wolter. Des. 65,208; July 15.
Lighting standard. J. R. Townsend. Des. 65,205; July 15.
Line coupling. H. M. Rounds. 1,501,138; July 15.
Linen for bleaching operations, Preparing raw. C. Bachter. 1,501,553; July 15.
Linoleum machinery, Inlaid-. J. Tamberlin. 1,501,423; July 15.
Liquid cooling and dispensing apparatus. W. A. Schatz. 1,501,068; July 15.
Liquid-feeding device. R. K. Winning. 1,501,083; July 15.
Liquid in high-pressure vessels, Device for indicating the level of. S. Löffler. 1,501,124; July 15.
Liquids, Method and apparatus for evaporating. N. Testrup. 1,501,515; July 15.
Liquids, Separating mixtures of. E. I. Dyer and A. R. Heise. Re15,871; July 15.
Lock: *See*—
Chain lock. Door lock.
Lock mechanism. E. W. Anderson. 1,501,640; July 15.
Locks, Device for preventing the turning or withdrawal of cylinder. P. W. C. Dement. 1,501,316; July 15.
Locks, Means for securing. P. W. C. Dement. 1,501,315; July 15.
Locomotive smoke deflector. F. L. Perkins. 1,501,570; July 15.
Locomotives, Automatic whistle-actuating mechanism for. E. R. Watkins. 1,501,506; July 15.
Locomotives, Feed-water-heating system for. J. R. Shannon. 1,501,193; July 15.
Loom, Bullion-fringe. C. O. and R. E. Walliser. 1,501,426; July 15.
Looms, Automatic apparatus for changing the weft bobbins in. L. Polet. 1,501,722; July 15.
Lubricator. H. R. Hughes. 1,501,482; July 15.
Loom, Pile-fabric. H. Hughes. 1,501,483; July 15.
Looms, Safety-shuttle-control attachment for textile. J. Shaw and W. H. Harrison. 1,501,572; July 15.
Magnetic circuit of electrical motors and dynamos. H. Robinson. 1,501,372; July 15.
Mail elevator. D. A. Doran. 1,501,529; July 15.
Mallet, Soft-headed. C. P. Whisler. 1,501,827; July 15.
Marking round articles, Machine for. F. J. Sévigné. 1,501,817; July 15.
Masonry corner guide. F. W. Scofield. 1,501,814; July 15.
Massage device. H. L. Hoard. 1,501,341–2; July 15.
Mat: *See*—
Bath mat.
Match box. S. Kamenec. 1,501,119; July 15.
Measuring devices, Means for storing standard. P. J. Darlington. 1,501,164; July 15.

Measuring instrument. J. D. Ellison. 1,501,588; July 15.
Measuring instrument, Electrical. J. W. Record. 1,501,189; July 15.
Measuring system. C. A. Hoxie. 1,501,663; July 15.
Measuring tool. F. W. Korb. 1,501,170; July 15.
Mechanic's instrument. C. F. Benjamin. 1,501,837; July 15.
Metal and making it, Protected. F. M. Crapo. 1,501,887; July 15.
Metal coating baths and bath produced thereby, Treating molten-. E. R. Millring. 1,501,356; July 15.
Metal container. H. E. Wright. 1,501,829; July 15.
Metal-cutting machinery. J. A. Duxbury. 1,501,043; July 15.
Metal-disintegrating apparatus. E. J. Hall. 1,501,449; July 15.
Metal-insert-feeding machine. W. D. Kmentt. 1,501,492; July 15.
Metal plates, Machine for opening packs or piles of. W. L. Jenkins, sr. 1,501,781; July 15.
Metal-working tool. C. W. Crannell. 1,501,751; July 15.
Metallic objects, Device for forming. W. J. Baker. 1,501,388; July 15.
Metallic strips, Machine for forming. W. J. Baker. 1,501,389; July 15.
Metals, Joining. T. Midgley, jr. 1,501,567; July 15.
Microscope, Stereoscopic double. C. Metz. 1,501,059; July 15.
Milk, Process and apparatus for treating. C. M. Peterson. 1,501,182; July 15.
Milking machines, Pulsator for. K. I. Lindström and S. A. E. Sterner. 1,501,408; July 15.
Mill: *See*—
Quartz mill.
Mining machine, Underground. A. K. Mitchell. 1,501,795; July 15.
Miter tool. J. Kiehe. 1,501,854; July 15.
Mixing machine. L. M. Zepp. 1,501,578; July 15.
Mold: *See*—
Candy mold
Molding jacket. J. A. Sperry. 1,501,731; July 15.
Molding method and apparatus. G. J. Saffert. 1,501,625; July 15.
Molds, Feeder for ingot. B. H. Howard and E. J. Turner. 1,501,452; July 15.
Molybdates, Producing. A. Kissock. 1,501,414; July 15.
Motor: *See*—
Electric motor.
Motor and ignition generator. J. H. Hunt. 1,501,488; July 15.
Motor control, Apparatus for and system of. J. A. Hepperlen. 1,501,661; July 15.
Motors, Oiling device for internal-combustion. S. P. Cunningham. 1,501,277; July 15.
Motors, Starting means for electric. I. W. Lund. 1,501,410; July 15.
Motors, Supplementary cooling hood for. V. W. Page. 1,501,805; July 15.
Mottoes and the like, Support for. G. E. Buzza. 1,501,555; July 15.
Mowers, Grass divider for. C. H. Wright. 1,501,386; July 15.
Mowers, Trimmer attachment for lawn. F. L. Scott 1,501,244; July 15.
Multiplier system, Frequency-. M. Osnos. 1,501,569; July 15.
Music-roll container. C. S. Burton. 1,501,309; July 15.
Musical instrument. A. J. Reger. 1,501,725; July 15.
Nail fastener. J. Karitzky. 1,501,054; July 15.
Necktie. G. F. Pinsuti. 1,501,687; July 15.
Needle case. L. M. Haines. Des. 65,185; July 15.
Nightdress. J. D'Etreillis. Des. 65,177; July 15.
Nitrogen fixation. A. M. Duckham. 1,501,760; July 15.
Novocaine, Making. W. A. Van Winkle. 1,501,635; July 15.
Nut-cracking machine. R. E. Woodson. 1,501,259; July 15.
Nut swaging and expanding machine, Rotating. J. G. Furlan. 1,501,766; July 15.
Nuts, Castellating. E. Reich and J. J. Bosshard. 1,501,571; July 15.
Obesity-reducing band. T. Lawton. 1,501,672; July 15.
Observation apparatus. J. B. Strauss. 1,501,145; July 15.
Oil, Apparatus for cracking and refining. E. A. Reilly and R. M. McLain. 1,501,371; July 15.
Oil burner. F. H. Johnson. 1,501,849; July 15.
Oil burner. E. R. Wright. 1,501,509; July 15.
Oil-spout cleaner. R. C. Peter. 1,501,806; July 15.
Oil-sump screen. V. W. Page. 1,501,804; July 15.
Oils, fats, and other liquids and making same, Decolorizing medium for. W. Eberlein. 1,501,321; July 15.
Oscillation generator. E. O. Scriven. 1,501,729; July 15.
Oven. F. Skach. 1,501,628; July 15.
Oven, Mechanical baking. J. Jirasek. 1,501,456; July 15.
Overlay for half-tone printing. J. B. Neale. 1,501,615; July 15.
Oxide of iron, Manufacture of red. D. Tyrer. 1,501,873; July 15.
Packer. C. E. Frazier. 1,501,481; July 15.
Packing. C. C. Hall. 1,501,541-2; July 15.
Paper, Carbon. J. Waldheim. 1,501,575; July 15.
Paper, Impregnating. L. C. Koplin. 1,501,493; July 15.
Paper-ornament. L. W. Thorsell. 1,501,251; July 15.
Paper-roll holder and tearing device, Wrapping-. W. C. Pickell. 1,501,619; July 15.
Paper shade roller and forming. H. C. Brenneman. 1,501,391; July 15.
Papers and other fabrics, Machine for sensitizing. B. J. Hall. 1,501,332; July 15.
Parachute and means for launching same. F. E. Best. 1,501,421; July 15.
Paramidophenol and its compounds, Producing. C. J. Thatcher. 1,501,472; July 15.
Pasting battery grids, Slab for use in. C. C. Rich. 1,501,809; July 15.
Pavement and constructing the same. F. O. Ronk. 1,501,373; July 15.
Pencil. C. R. Keeran. 1,501,121; July 15.
Pencil, Metallic. F. Carroll. 1,501,745; July 15.
Penholder. G. R. Yestal. 1,501,825; July 15.
Pens, Adjustable feed for fountain. L. F. Evenson. 1,501,761; July 15.
Phonograph cabinet. H. A. Yerkes. Des. 65,212; July 15.
Phonographs, Automatic stopping mechanism for. W. C. Roe. 1,501,890; July 15.
Phonographs, Sound amplifier for. H. L. Page. 1,501,720; July 15
Picker: *See*—
Cotton picker.
Pig. H. C. Zenke. 1,501,387; July 15.
Pile fabric. J. Gowans. Des. 65,183; July 15.
Pillow. K. C. Kiar. Des. 65,192; July 15.
Pin: *See*—
Safety pin.
Pipe: *See*—
Smoking pipe.
Pipe and nut wrench, Adjustable. D. E. St. Jacques. 1,501,689; July 15.
Pipe-cleaning device. D. G. Marks. 1,501,354; July 15.
Pipe-threading machine. J. S. Imlach. 1,501,218; July 15.
Piston-bushing extractor and replacer. A. B. Sappmann. 1,501,815; July 15.
Plait holder. M. Dworin. 1,501,044; July 15.
Planter, Potato. W. Hartenstein. 1,501,335; July 15.
Plastic containing cellulose acetate. H. Dreyfus. 1,501,206; July 15.
Plating stainless steel and articles produced thereby. A. Harper. 1,501,049; July 15.
Plug cluster. R. B. Benjamin and C. E. Warner. Des. 65,156; July 15.
Pocket. W. J. Stott. 1,501,247; July 15.
Poultry house. J. L. Boisvert. 1,501,742; July 15.
Powder blower. C. F., L. K., C. G., and J. T. Redmon. 1,501,136; July 15.
Powder, Container for holding and delivering. F. A. Bolton. 1,501,390; July 15.
Power device. L. S. Keilholtz. 1,501,851; July 15.
Precious-stone setting. A. D. Leveridge. Des. 65,193; July 15.
Presser foot. H. Heller. 1,501,557; July 15.
Pressing machine. E. E. Parker. 1,501,685; July 15.
Pressure-operating device. C. C. Runner. 1,501,239; July 15.
Printing machine. G. E. Pancoast. 1,501,617; July 15.
Profiling tools, Automatic machine for. M. U. Ramsay and D. M. Moeglen. 1,501,496; July 15.
Propeller and the like, Metal air. H. Leitner. 1,501,606; July 15.
Propellers, Controlling. W. J. H. Strong. 1,501,248; July 15.
Pulley. T. Olinger. 1,501,290; July 15.
Pulverizer and mulcher. H. M. Lofton. 1,501,055; July 15.
Pulverulent materials, Drying apparatus for. P. Scrive. 1,501,140; July 15.
Pump. N. E. Brigham. 1,501,435; July 15.
Pump, Air. F. B. Shaw. 1,501,546; July 15.
Pump, Circulating. M. A. Drees. 1,501,758; July 15.
Pump jack. C. Kuechler. 1,501,221; July 15.
Pump jack, Multiple balanced. E. A. Mulhaff. 1,501,226; July 15.
Pump-sealing means, Rotary. E. Hill. 1,501,051; July 15.
Pump, Vacuum. H. C. Snook. 1,501,070-1; July 15.
Punch, Can. J. M. Hanson. 1,501,598; July 15.
Punching die. E. C. Rudkin. 1,501,241; July 15.
Puzzle. W. H. Brunn. 1,501,554; July 15.
Quartz mill. E. G. Trowbridge. 1,501,503; July 15.
Quick-acting wrench. F. H. Greve. 1,501,329; July 15.
Quoin. J. J. Curtis. 1,501,753; July 15.
Rack: *See*—
Tire rack.
Radiator, Electric steam. A. C. Hulbert. Des. 65,188; July 15.
Radio system, Multiplex. L. Espenschied. 1,501,104; July 15.
Radiotuners and the like, Adjusting device for. J. W. Hunt. 1,501,454; July 15.
Rail anchor. H. G. Warr. 1,501,255; July 15.
Rail-drilling apparatus. H. C. Bostian. 1,501,516; July 15.
Railway construction, Pleasure-. J. A. Miller. 1,501,061; July 15.
Railway crossing and alarm signal. W. W. Phillips. 1,501,367; July 15.
Railway cushion wheel. F. Mead and C. O. Guernsey. 1,501,861; July 15.
Railway rail. H. B. Bent. 1,501,092; July 15.
Railway-rail brace. J. R. Dooley. 1,501,319; July 15.

Railway structure, Pleasure-. J. A. Miller. 1,501,060; July 15.
Rakes and swath turners, Spring clip for tines for side-delivery. W. E. Martin. 1,501,612; July 15.
Razor. H. S. Hasselquist. 1,501,450; July 15.
Razor-blade holder. P. Kilimnik. 1,501,783; July 15.
Reels, Machine for making wire. J. A. Holmquist. 1,501,343; July 15.
Refrigerating apparatus. C. L. McCuen. 1,501,859; July 15.
Refrigeration, Apparatus for. F. A. Wardenburg. 1,501,874; July 15.
Refrigerator. C. L. Drachenberg. 1,501,320; July 15.
Regulator: *See*—
Current regulator.
Regulator system. C. A. Boddie. 1,501,264; July 15.
Relay. O. C. Traver. 1,501,733; July 15.
Relay, Polarized. N. H. Lysons. 1,501,126; July 15.
Release coupling. C. M. Heeter. 1,501,217; July 15.
Remote control system. A. A. Oswald. 1,501,683-4; July 15.
Retort, Shale. P. L. Bennett. 1,501,881; July 15.
Retractor. J. Wisoff. 1,501,428; July 15.
Reversible machine. O. Forkel. 1,501,534; July 15.
Rheostat. S. R. Hipple. 1,501,339; July 15.
Rheostat. R. E. Welmer and M. A. Speicher. 1,501,638; July 15.
Rim. B. Darrow. 1,501,478; July 15.
Rim breaking, contracting, and expanding device. C. O. Halling. 1,501,597; July 15.
Rim and making it, Coiled. H. D. Geyer and J. W. Lee. 1,501,593; July 15.
Rim, Interchangeable demountable. G. Steingruber. 1,501,821; July 15.
Ring: *See*—
Finger ring.
Ring mountings, Making. T. Mountford. 1,501,358; July 15.
Riser. A. M. Smith. 1,501,498; July 15.
Riveting machine. E. B. Stimpson. 1,501,421; July 15.
Road machines, Combination grader-maintainer blade for. W. T. Beatty. 1,501,262; July 15.
Road maintainer. W. T. Beatty, F. S. Davis, and F. D. Wilson. 1,501,261; July 15.
Rock drill, Rotary. F. S. Stoll. 1,501,630; July 15.
Ropeway and the like. W. L. Hamilton. 1,501,333; July 15.
Rotary blower and rotary engines. M. Güttner. 1,501,596; July 15.
Rubber aprons, Clasp for. E. W. Rutherford. 1,501,066; July 15.
Rubber substance and making the same, Gas-expanded vulcanized-. C. L. Marshall. 1,501,791; July 15.
Rule. J. H. McCaffrey. 1,501,712; July 15.
Rule, Folding. J. H. McCaffrey. 1,501,713; July 15.
Safety pin. N. L. Silverman. 1,501,627; July 15.
Salt shaker or similar article. A. F. Souter. Des. 65,203; July 15.
Salting machine. J. F. Anderson. 1,501,297; July 15.
Sander and polisher. W. Severns. 1,501,192; July 15.
Sanitary pipe fitting. A. E. MacDonald. 1,501,225; July 15.
Saw-blade holder. E. E. Cullen. 1,501,752; July 15.
Saw set and jointer. J. D. Hartwig. 1,501,112; July 15.
Saw teeth, Machine for grinding. J. O. Liffander. 1,501,564; July 15.
Scale. W. S. Smith. 1,501,141; July 15.
Scale, Weighing. E. C. Rowe and A. Mohr. 1,501,866; July 15.
Score-registering device for golf and the like. A. L. Eacrett. 1,501,398; July 15.
Scraper, Brick. M. Bellalbero. 1,501,195; July 15.
Scraper, Tube. L. H. A. Ducasse. 1,501,759; July 15.
Screen: *See*—
Oil-sump screen.
Screen. M. H. Harris. Des. 65,186; July 15.
Screw driver. S. C. Lamp. 1,501,222; July 15.
Screw-driver machine. W. Wurdack. 1,501,695; July 15.
Seed-corn drier. J. Greeley. 1,501,328; July 15.
Seed planter. G. H. Wright. 1,501,828; July 15.
Seeding machines, Draft-operated lifting device for. P. L. Hatfield. 1,501,279; July 15.
Separator: *See*—
Sheet separator.
Sewing machines, Feed mechanism for book-. G. A. Paulsen. 1,501,686; July 15.
Sewing machines, Visor holding and feeding mechanism for. W. C. Grunow and A. J. Wiegand. 1,501,710; July 15.
Sewing tray for automobiles. A. M. Inge. 1,501,116; July 15.
Shade bracket, Window-. C. M. Durnell and R. Welsh. 1,501,843; July 15.
Shaft coupling. T. C. Campbell. 1,501,647; July 15.
Sharpener, Knife. C. Chizewer. 1,501,749; July 15.
Sharpener, Pencil. S. K. Mathews. 1,501,792; July 15.
Sharpener, Razor-blade. G. G. Floyd. 1,501,045; July 15.
Shears. R. W. Moses. 1,501,714; July 15.
Sheet separator. E. Cheshire. 1,501,582; July 15.
Shipping container. G. B. Macdonald. 1,501,462; July 15.
Shirt. C. Tutelman. 1,501,380; July 15.
Shuttle, Hand-threading. W. A. Tebo. 1,501,424; July 15.
Shock absorber. C. E. Eckrode, T. L. Acken, and A. Weiland. 1,501,844; July 15.
Shock absorber. W. H. Whisler. 1,501,382; July 15.
Shoe cleaner. E. H. Trick. 1,501,152; July 15.
Shoe parts, Preparation of. H. R. Stanbon. 1,501,072; July 15.
Shoes, Device for softening. F. N. Savard. 1,501,139; July 15.
Shoes, Machine for operating upon. R. E. Duplessis. 1,501,042; July 15.
Short circuiter. E. P. Larsh. 1,501,284; July 15.
Shotguns, Peep sight for. A. Forin. 1,501,211; July 15.
Shower bath, Combination. R. G. Ferguson. 1,501,762; July 15.
Sieving screening and separating devices. C. E. V. Hall. 1,501,047; July 15.
Sifter, Flour. I. W. Farquharson. 1,501,166; July 15.
Sign, Illuminated. L. Duncan and C. P. Upton. 1,501,102; July 15.
Signal: *See*—
Bridge signal. Vehicle signal.
Theft signal.
Signaling apparatus, Electrical. F. N. Connet. 1,501,437; July 15.
Signal for railway crossings, Stop. H. Morris, A. Howard, and G. W. Gartman. 1,501,797; July 15.
Signaling circuits, Conjugate. L. Espenschied. 1,501,103; July 15.
Signaling system. P. B. Murphy. 1,501,132; July 15.
Signaling system. C. W. Rice. 1,501,726; July 15.
Sirup-spout closure. C. A. Tincher. 1,501,473; July 15.
Slicing machine. H. Robinson. 1,501,810; July 15.
Slicing machine, Removable cleanable meat holder or plate for. E. Moser. 1,501,289; July 15.
Sliding-jaw wrench. V. C. Garrison. 1,501,214; July 15.
Smoking pipe. V. K. Ramsey. 1,501,370; July 15.
Snap fasteners, Machine for attaching. A. Frankel. 1,501,445; July 15.
Snap hook, Spring-tongue. J. B. Baxter. 1,501,738; July 15.
Soap dispensing. E. V. Gluck. 1,501,657; July 15.
Socket wrench. J. M. Lallin. 1,501,788; July 15.
Sole-fitting machine. M. E. Johnson. 1,501,052; July 15.
Soles for shoes, Manufacture of. E. W. McVicar. 1,501,057; July 15.
Spark plug. C. F. Kettering. 1,501,491; July 15.
Spark plug. J. W. Powell. 1,501,368; July 15.
Speed-regulator system. C. A. Boddie. 1,501,263; July 15.
Speed-regulator system. C. A. Boddie. 1,501,265; July 15.
Spindle-driving mechanism. E. Atwood. 1,501,579; July 15.
Spot or searchlight assembly. O. H. Clarke. 1,501,704; July 15.
Spotlight. S. W. Hyatt. 1,501,411; July 15.
Spring: *See*—
Vehicle spring.
Spring. E. Kreissig. 1,501,220; July 15.
Spring locking device. S. M. Sawyer. 1,501,374; July 15.
Spring wheel. W. Childs. 1,501,583; July 15.
Springs, Manipulating device for. N. Sulentic. 1,501,249; July 15.
Sprinkler. L. Olschewski. 1,501,718; July 15.
Squeezer, Pulp and juice. D. I. Flatt. 1,501,210; July 15.
Stamp holder. J. J. Coffey. 1,501,100; July 15.
Stand: *See*—
Display stand. Tire-repair stand.
Standard stick control. M. C. Baumann. 1,501,550; July 15.
Staple for wire-fence concrete posts. W. H. James. 1,501,665; July 15.
Starting and generating system. W. A. Chryst. 1,501,520; July 15.
Statuette. A. A. Avery. Des. 65,155; July 15.
Steam-accumulator apparatus for steam plants. J. K. Ruths. 1,501,623; July 15.
Steam blower. H. M. Barr and G. Edgar. 1,501,090; July 15.
Steel and producing same. A. H. Coplan. 1,501,302; July 15.
Steels in electric furnaces, Manufacturing alloy. N. Petinot. 1,501,184; July 15.
Steering wheels, Timepiece holder for. G. A. Bell. 1,501,474; July 15.
Step jack, Adjustable. J. W. Bate. 1,501,548; July 15.
Sterilizing and processing apparatus, Pressure control for. H. Ingram. 1,501,412; July 15.
Stickpin. A. C. Stafford. 1,501,142; July 15.
Stippling machine. C. G. Hampson. 1,501,048; July 15.
Stone gatherer. L. D. Teter. 1,501,379; July 15.
Stove, Brooder. J. W. Branson. 1,501,434; July 15.
Strainer, Funnel. A. M. Stead. 1,501,073; July 15.
Straw spreader. A. Klocke and J. Wurzer. 1,501,460; July 15.
Signaling, Submarine. R. A. Fessenden. 1,501,105; July 15.
Suit box. C. E. Osburn. 1,501,134; July 15.
Switch: *See*—
Electrical switch.
Time and coin-controlled switch.
Switch box, Extensible. F. A. Tefft. 1,501,250; July 15.
Switch frog. J. P. Swift. 1,501,822; July 15.

Switches, Guardrail for. B. T. Gibbs, jr. 1,501,215; July 15.
Switching system. J. B. Harlow. 1,501,109; July 15.
Switching system. L. A. Mortimer. 1,501,174; July 15.
Tables, Chair attachment for. H. R. Ellis. 1,501,443; July 15.
Tackle box. W. O. Gorrell. 1,501,448; July 15.
Tag-stringing device. C. S. Patterson. 1,501,178; July 15.
Tail skid. E. H. Herbig. 1,501,601; July 15.
Tank: *See*—
Flushing tank.
Tanning. F. Hassler. 1,501,336; July 15.
Tap and cutter. C. G. Johnson. 1,501,117; July 15.
Tap, Liquid-delivery. C. Chambers. 1,501,310; July 15.
Tape dispensing and moistening device. J. Cytron. 1,501,754; July 15.
Teeth, Removable bridge for. H. A. Gollobin. 1,501,539–40; July 15.
Telegraph, Printing. D. Murray. 1,501,679; July 15.
Telephone-exchange system. W. P. Albert. 1,501,033; July 15.
Telephone exchange system. A. E. Lundell and E. H. Clark. 1,501,675; July 15.
Telephone-exchange system. A. E. Lundell and J. J. Wynne. 1,501,676; July 15.
Telephone-exchange system. F. A. Stearn. 1,501,871; July 15.
Telephone-exchange system, Machine-switching. R. L. Stokely. 1,501,074; July 15.
Telephone system. R. D. Conway. 1,501,648; July 15.
Telephone system. L. Keller. 1,501,668; July 15.
Telephone system, Automatic. C. E. Lomax. 1,501,287; July 15.
Telephone wires, Temporary support for. V. C. Floyd. 1,501,590; July 15.
Telephone transmission system. R. S. Wilbur. 1,501,693; July 15.
Telephone transmitter, Casing for. G. R. Lum. Des. 65,194; July 15.
Telephone trunk circuits. A. J. Ray. 1,501,235; July 15.
Telephones and the like, Signaling system for. F. H. N. Wohlers. 1,501,694; July 15.
Telephones, Desk stand for hand. G. K. Thompson. Des. 65,204; July 15.
Temperature indicator. O. W. Moore. 1,501,173; July 15.
Tent. H. E. L. Owen and K. H. Macartney. 1,501,365; July 15.
Textile fabric. G. M. Fauser. Des. 65,181; July 15.
Thread-grinding machine. A. E. Larsson. 1,501,544; July 15.
Threadless bolt. M. H. Van Billiard. 1,501,634; July 15.
Theft signal. L. R. Zepka. 1,501,296; July 15.
Thermometer and casing therefor. C. Nurnberg. 1,501,801; July 15.
Thermometer case. H. J. Upton. 1,501,824; July 15.
Thrashing machine and parts thereof. O. A. Ingersoll. 1,501,455; July 15.
Thread-milling machine. G. T. Trundle, jr. 1,501,252; July 15.
Tile and terra-cotta block. W. H. Grueby. 1,501,709; July 15.
Tile press, Roofing-. N. Fredriksson, H. A. E. Härstedt, and K. G. Lindberg. 1,501,535; July 15.
Tilting chair. C. H. Peters and E. D. Bump. 1,501,180; July 15.
Time and coin-controlled switch, Automatic. H. Plummer. 1,501,495; July 15.
Tin, Recovering. A. Kissock. 1,501,413; July 15.
Tire, Automobile. E. D. Newman. Des. 65,199; July 15.
Tire chain. E. I. Fisher. 1,501,763; July 15.
Tire, Cushion. W. A. Brubaker. Re15,872; July 15.
Tire, Emergency. J. W. Hannan and C. A. Notman. 1,501,399; July 15.
Tire-making machines, Fabric-laying attachment for. J. E. Thropp. 1,501,574; July 15.
Tire, Punctureproof. J. H. Smith. 1,501,069; July 15.
Tire rack, Automobile. J. Schwab. 1,501,470; July 15.
Tire-repair stand. H. B. Rex. 1,501,469; July 15.
Tire rim. H. J. Corby and R. H. Thompson. 1,501,272; July 15.
Tire rim. F. T. Murray. 1,401,360; July 15.
Tire valves, Dust cap for. E. V. Myers. 1,501,361; July 15.
Tire, Vehicle. E. G. Hulse. Des. 65,189–90; July 15.
Titanic-oxide concentrate and producing the same. C. A. Doremus. 1,501,587; July 15.
Tobacco stripping and booking machine. E. M. Deiller. 1,501,441; July 15.
Toilet article. M. E. Bassett. 1,501,547; July 15.
Toilet for passenger cars. C. A. Thomas. 1,501,150; July 15.
Tongs, Parallel double. V. Karapetoff. 1,501,458; July 15.
Tool holder. W. A. Peck. 1,501,465; July 15.
Toothbrush container. C. Bash. 1,501,835; July 15.
Top for containers, Sifter. H. P. Brawner. 1,501,037; July 15.
Toy dog. A. R. Jones. Des. 65,195; July 15.
Traction apparatus. E. H. Karrer. 1,501,120; July 15.
Tractor. B. H. Alexander. 1,501,639; July 15.
Tractors, Endless track for. A. M. Chase. 1,501,097; July 15.
Transformer. G. C. Cummings. 1,501,649; July 15.
Trap: *See*—
Animal trap.
Trestle for supporting a scaffold. H. L. Anderson. 1,501,088; July 15.
Trimming blanks, Means and method for. R. L. Wilcox. 1,501,081; July 15.
Trolley pole and the like. P. Robbins. 1,501,236; July 15.
Trolleys, Rope guard for crane. B. F. Whiting. 1,501,736; July 15.
Truck, Car. S. B. Brilhart. 1,501,744; July 15.
Truck, Hand. H. B. Sabin. 1,501,242; July 15.
Truck, Trailer. J. C. W. Hinshaw. 1,501,280; July 15.
Trunk-shoe-bag retaining means. G. H. Wheary. 1,501,257; July 15.
Type interrupter, Condenser-. L. W. Chubb. 1,501,270; July 15.
Typewriter. J. C. Reddick. 1,501,188; July 15.
Typewriter attachment. R. S. Coysh. 1,501,312; July 15.
Typewriting machine. A. A. Johnson. 1,501,666; July 15.
Typewriting machine. A. G. F. Kurowski. 1,501,562; July 15.
Typewriting machine. A. G. F. Kurowski. 1,501,671; July 15.
Typewriting machines, Hood for. G. W. Campbell. Des. 65,161; July 15.
Tubs, Washing attachment for. H. A. Smith. 1,501,471; July 15.
Tubular frames, Method and means for building. A. D. Meiselbach. 1,501,129; July 15.
Ullage rod. L. J. Le Clair. 1,501,407; July 15.
Umbrella. O. Kean and A. R. Wilson. 1,501,560; July 15.
Uppers over lasts, Machine for shaping. B. Jorgensen. 1,501,053; July 15.
Vacuum tubes, Manufacture and operation of. K. Rottgardt. 1,501,240; July 15.
Valve. T. R. Berry. 1,501,303; July 15.
Valve. H. D. Geyer. 1,501,592; July 15.
Valve. O. Jacobsen. 1,501,347; July 15.
Valve, Ejector. J. W. Cox. 1,501,040; July 15.
Valve facer. W. H. Beltz. 1,501,836; July 15.
Valve, Flush. E. F. Donnelly. 1,501,318; July 15.
Valve for automatic sprinkler systems. A. J. Loepsinger. 1,501,125; July 15.
Valve for refrigerating machines and the like, Expansion. C. L. McCuen. 1,501,858; July 15.
Valve, Gas and air reversing. W. G. Bergman. 1,501,552; July 15.
Valve, Hydraulic distributing. C. A. Nardell. 1,501,158; July 15.
Valve lifter. H. G. Feist. 1,501,326; July 15.
Valve-lifting tool. T. Manna. 1,501,417; July 15.
Valve or door for furnaces, gas producers, retorts, and similar structures, Charging. J. H. Hardman. 1,501,216; July 5.
Valve pins, Tool for inserting and removing. A. B. Seppmann. 1,501,816; July 15.
Valve, Poppet. M. J. Boyle. 1,501,006; July 15.
Valve, Pressure and vacuum release. S. H. Brooks. 1,501,038; July 15.
Valve-spring compressor. F. C. Stake, H. B. Kinyoun, and J. P. Reynolds. 1,501,143; July 15.
Valve, Toilet flush. F. T. Bogard. 1,501,433; July 15.
Valves and the like, Cooling device for. T. Midgley, jr. 1,501,862; July 15.
Valves, Locking mechanism for dry-pipe. E. E. Clark. 1,501,098; July 15.
Vanity case. C. E. Croswhite. 1,501,525; July 15.
Vanity case. S. Morrison. 1,501,130; July 15.
Vehicle. A. R. Colson. 1,501,271; July 15.
Vehicle body, Convertible. T. Kugler and F. L. Van Rossum. 1,501,786; July 15.
Vehicle bumper. J. H. Sager. 1,501,191; July 15.
Vehicle direction indicator. D. C. Brockman. 1,501,198; July 15.
Vehicle hitch. J. R. Miller. 1,501,355; July 15.
Vehicle, Motor. R. Boehm. 1,501,304; July 15.
Vehicle, Motor. C. G. McClay and B. Rudis. 1,501,790; July 15.
Vehicle signal. W. D. and F. F. Stout. 1,501,377; July 15.
Vehicle spring. J. Knestner. 1,501,457; July 15.
Vehicle spring suspension. E. Schorr. 1,501,891; July 15.
Vehicle, Turbine-driven land. C. Kohler. 1,501,604; July 15.
Vehicle unloading truck. H. J. Linden. 1,501,609; July 15.
Vehicle wheel, Spring. J. Dischler. 1,501,757; July 15.
Vehicles, Brake mechanism for motor. J. W. White and L. H. Gaylord. 1,501,885; July 15.
Vehicles, Means for operating the brakes on. E. V. Hartford. 1,501,600; July 15.
Vehicles, Window for. A. S. Campbell. 1,501,702; July 15.
Vehicles, Windscreen for motor. W. Law. 1,501,406; July 15.
Veneer, Machine for cutting. J. W. Beiger. 1,501,551; July 15.
Vial-necking machine. B. T. Headley and P. H. Thompson. 1,501,773; July 15.
Wagons, Brake for coaster. H. J. Ferris. 1,501,589; July 15.

Wall board, Gauge board for breaking. J. Schumacher, sr. 1,501,813; July 15.
Wall sheathing. C. O. Cowan. 1,501,476; July 15.
Washer: *See*—
Air washer. Felt washer.
Washing machine. M. W. Carter. 1,501,746; July 15.
Washing machines. H. M. Vaughan. 1,501,254; July 15.
Water-activated reserve cell. R. C. Benner and H. H. Thompson. 1,501,091; July 15.
Water-closets, Ventilating. E. H. and C. E. Raper. 1,501,291; July 15.
Water-heating system for stoves. R. Lloyd. 1,501,223; July 15.
Web-folding machine. G. W. Swift, jr. 1,501,499; July 15.
Web-punching mechanism. G. W. Swift, jr. 1,501,501; July 15.
Welding, Apparatus for resistance line. H. W. Tobey. 1,501,872; July 15.
Welding machines, Shield for electric. J. W. Meadowcroft. 1,501,058; July 15.
Welding tubing, Apparatus for electrically butt. G. V. Johnston. 1,501,782; July 15.
Well-boring apparatus. S. H. Huston. 1,501,345; July 15.
Well tubing, Hydraulic apparatus for handling. E. W. Patterson. 1,501,464; July 15.
Wells, Flowing device for. L. Friedman and D. Wallace. 1,501,536; July 15.
Wells, Jack frame for oil. R. E. Alexander. 1,501,034; July 15.
Wheel: *See*—
Caster wheel. Railway cushion wheel.
Cushion wheel. Spring wheel.
Disk wheel. Vehicle wheel.
Grinding wheel.
Wheel and tire structure, Resilient. D. Nelson and C. H. Burrows. 1,501,176; July 15.
Wheel puller, tool grinder, and power device, Combined. G. E. Noffsinger. 1,501,682; July 15.
Wheel with resilient teeth, Toothed. F. Ljungström. 1,501,123; July 15.
Wheels, Advertising disk for automobile. E. F. Braucher. 1,501,094; July 15.
Wheels, Demountable-rim-securing device for vehicle. W. N. Booth. 1,501,581; July 15.
Wheels, Device for tightening auto. R. C. Van Emon. 1,501,253; July 15.
Winding machine. H. Koch. 1,501,670; July 15.
Window cleaners, Safety device for. A. Cohen. 1,501,438; July 15.
Window, Curtain. A. S. Campbell. 1,501,703; July 15.
Window grille, Collapsible. N. H. Piffard-Francis. 1,501,545; July 15.
Window sash, Stop for. S. T. Cox. 1,501,584; July 15.
Window-screen construction. F. A. Mosman. 1,501,131; July 15.
Windows of motor cars, Means for adjusting. F. Humer. 1,501,453; July 15.
Wire cable, Machine for manufacturing. A. G. Hoovens. 1,501,603; July 15.
Wire continuously, Drawing. E. Boley. 1,501,305; July 15.
Wire-winding machine. A. Novotone. 1,501,800; July 15.
Wires, Connecter for electric. G. M. Boren. 1,501,160; July 15.
Wires, Universal contact box for. E. Gallemin. 1,501,106; July 15.
Wireless signaling system. E. F. W. Alexanderson. 1,501,830–1; July 15.
Wireless signaling system. A. Hund. 1,501,664; July 15.
Wireless signaling system. W. C. White. 1,501,735; July 15.
Woodworking machine. A. Anthony. 1,501 429; July 15.
Wrecking tool. J. E. Hoffman. 1,501,776; July 15.
Wrench: *See*—
Internal wrench. Sliding-jaw wrench.
Pipe and nut wrench. Socket wrench.
Quick-acting wrench.

CLASSIFICATION OF PATENTS

ISSUED JULY 15, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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74— 5: 1,501,034
7: 1,501,056
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41: 1,501,123
59: 1,501,199
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98: 1,501,534
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75— 1: 1,501,183
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87: 1,501,749
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77— 7: 1,501,860
8: 1,501,516
81— 13: 1,501,050
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98: 1,501,585
105: 1,501,689
111: 1,501,788
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82— 1: 1,501,836
2: 1,501,346
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83— 11: 1,501,282
29: 1,501,610
56: 1,501,047
60: 1,501,166
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80: 1,501,577
91: 1,501,449
84— 272: 1,501,725
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85— 2.4: 1,501,054
5: 1,501,634
17: 1,501,717
87— 5: 1,501,086
23: 1,501,657
88— 1: 1,501,504
1.5: 1,501,461
14: 1,501,856
16.6: 1,501,842
24: 1,501,161
39: 1,501,059
42: 1,501,085
90— 33: 1,501,317
1,501,716
43: 1,501,854
91— 14: 1,501,727
14.5: 1,501,754
45: 1,501,432
48: 1,501,048
68: 1,501,493
70.2: 1,501,887
92— 50: 1,501,179
93— 81: 1,501,391
91: 1,501,178
94— 6: 1,501,373
49: 1,501,039
95— 31: 1,501,677
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11: 1,501,394
97— 40: 1,501,055
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50: 1,501,137
54: 1,501,224
98: 1,501,651
99— 2: 1,501,412
10: 1,501,527
11: 1,501,775
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101— 28: 1,501,100
40: 1,501,817
49: 1,501,697
77: 1,501,500
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104— 87: 1,501,333
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105— 4: 1,501,325
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45: 1,501,285
55: 1,501,628
58: 1,501,494
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45: 1,501,200
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120— 18: 1,501,121
36: 1,501,863
50: 1,501,761
83: 1,501,745
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98: 1,501,825
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33: 1,501,884
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53: 1,501,393
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90: 1,501,041
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133— 14: 1,501,430
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20: 1,501,560
50: 1,501,580
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139— 53: 1,501,796
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141— 1: 1,501,826
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13: 1,501,069
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171—	95:	1,501,189		89:	1,501,694		144:	1,501,270			1,501,231		242:	1,501,869		54:	1,501,475
		1,501,698		90:	1,501,281		166:	1,501,330		55:	1,501,798		293:	1,501,797		61:	1,501,220
	97:	1,501,699		171:	1,501,726		171:	1,501,708		61:	1,501,203		294:	1,501,367	268—	4:	1,501,453
	119:	1,501,489	180—	69:	1,501,805	204—	1:	1,501,862		73:	1,501,829		386:	1,501,822	270—	5:	1,501,617
		1,501,649		77:	1,501,790		4:	1,501,692	221—	57:	1,501,806		435:	1,501,215		61:	1,501,774
	123:	1,501,488		82:	1,501,639		8:	1,501,049		60:	1,501,656	247—	16:	1,501,250		93:	1,501,499
	209:	1,401,372	181—	27:	1,501,032		9:	1,501,472		63:	1,501,037	248—	65:	1,501,080	271—	26:	1,501,582
	223:	1,501,878			1,501,794			1,501,502		64:	1,501,209	250—	2:	1,501,683	274—	25:	1,501,720
	313:	1,501,395	183—	24:	1,501,110			1,501,635		65:	1,501,390			1,501,684	277—	57:	1,501,158
	314:	1,501,487			1,501,416		20:	1,501,756		100:	1,501,556			1,501,711	279—	91:	1,501,465
172—	179:	1,501,558		44:	1,501,286		29:	1,501,352		108:	1,501,297		6:	1,501,664	280—	1:	1,501,609
		1,501,661		75:	1,501,559			1,501,832		127:	1,501,335			1,501,735		22:	1,501,271
	239:	1,501,497		110:	1,501,144		31:	1,501,420		135:	1,501,828			1,501,831		33.12:	1,501,355
	279:	1,501,284	184—	11:	1,501,277		38:	1,501,091	223—	17:	1,501,307		8:	1,501,132		49:	1,501,280
		1,501,410	187—	4:	1,501,529		53:	1,501,084	224—	4:	1,501,474		9:	1,501,104		152:	1,501,834
	281:	1,501,569	188—	5:	1,501,771		63:	1,501,419		29:	1,501,470		17:	1,501,830	282—	28:	1,501,575
	288:	1,501,239		20:	1,501,589		64:	1,501,184		45:	1,501,812		27:	1,501,240	285—	161:	1,501,217
	293:	1,501,263		32:	1,501,883		67:	1,501,413	225—	26:	1,501,310		36:	1,501,729	290—	30:	1,501,046
		1,501,264		78:	1,501,359	205—	14:	1,501,305		35:	1,501,473		41:	1,501,402			1,501,852
		1,501,265			1,501,885	206—	2:	1,501,351		40:	1,501,068			1,501,543		35:	1,501,853
173—	273:	1,501,160		90:	1,501,444		15.1:	1,501,835	226—	39:	1,501,809	251—	31:	1,501,592		38:	1,501,519
		1,501,636			1,501,451		16:	1,501,164	229—	16:	1,501,134		103:	1,501,347			1,501,520
	318:	1,501,688		99:	1,501,363			1,501,528		28:	1,501,537		104:	1,501,433		41:	1,501,485
		1,501,732		106:	1,501,159		16.5:	1,501,824	230—	13:	1,501,070		165:	1,501,063	291—	15:	1,501,650
	332:	1,501,157		162:	1,501,600		24:	1,501,119			1,501,071	252—	1:	1,501,865	292—	75:	1,501,584
	335:	1,501,611		194:	1,501,311		43:	1,501,324		30:	1,501,051		3:	1,501,321		144:	1,501,228
	340:	1,501,106	189—	15:	1,501,145		44:	1,501,462			1,501,596	254—	42:	1,501,753		169:	1,501,322
	346:	1,501,466		42:	1,501,194			1,501,770		32:	1,501,078		88:	1,501,599		173:	1,501,208
175—	21:	1,501,787		76:	1,501,545		52:	1,501,309	235—	113:	1,501,398		102:	1,501,155	293—	54:	1,501,820
	183:	1,501,576	190—	12:	1,501,440		57:	1,501,662	236—	44:	1,501,660		103:	1,501,190		55:	1,501,154
		1,501,663		13:	1,501,256	208—	78:	1,501,304	238—	48:	1,501,061		108:	1,501,548			1,501,191
	294:	1,501,115			1,501,257	210—	51:	1,501,204		148:	1,501,092		120:	1,501,719			1,501,595
		1,501,733	191—	68:	1,501,236		158:	1,501,073		292:	1,501,319		131:	1,501,776	294—	34:	1,501,741
	376:	1,501,590	192—	29:	1,501,422		170:	1,501,804		330:	1,501,255		184:	1,501,736		36:	1,501,816
176—	34:	1,501,245		78:	1,501,232	211—	6:	1,501,755	240—	10:	1,501,777		185:	1,501,099		74:	1,501,888
	51:	1,501,219		99:	1,501,740		13:	1,501,468		45.2:	1,501,779		190:	1,501,096	295—	11:	1,501,861
	133:	1,501,108		118:	1,501,890		14:	1,501,087		48.4:	1,501,385		192:	1,501,290	296—	21:	1,501,405
177—	337:	1,501,437		127:	1,501,808		24:	1,501,258		61:	1,501,418	255—	1:	1,501,345		85:	1,501,406
	386:	1,501,105		136:	1,501,642		32:	1,501,619			1,501,704		4:	1,501,630		136:	1,501,175
		1,501,109	194—	6:	1,501,495	212—	17:	1,501,035		61.2:	1,501,411		21:	1,501,706		145:	1,501,702
178—	44:	1,501,103	196—	3:	1,501,371	214—	1:	1,501,077		78:	1,501,524		71:	1,501,482			1,501,703
		1,501,667		19:	1,501,881		52:	1,501,879	241—	19:	1,501,066	256—	50:	1,501,665	298—	23:	1,501,205
	46:	1,501,669		25:	R. 15,871		65.4:	1,501,242	242—	9:	1,501,670	259—	91:	1,501,624	299—	73:	1,501,718
	51:	1,501,674		41:	1,501,877		134:	1,501,795		92:	1,501,800	260—	21:	1,501,769	301—	10:	1,501,821
	53:	1,501,679	197—	102:	1,501,562	217—	2:	1,501,294	244—	1:	1,501,818		39:	1,501,274		23:	1,501,082
179—	4:	1,501,693		117:	1,501,671		7:	1,501,696		2:	1,501,396			1,501,275		24:	1,501,581
	8:	1,501,648		126:	1,501,666		13:	1,501,314			1,501,397		77:	1,501,348		35:	1,501,272
	15:	1,501,691		180:	1,501,312	218—	0.5:	1,501,445			1,501,530		152:	1,501,207			1,501,360
	27:	1,501,033		183:	1,501,188		1:	1,501,079			1,501,601	262—	7:	1,501,093		50:	1,501,594
		1,501,074	198—	31:	1,501,602	219—	8:	1,501,058			1,501,608		27:	1,501,780		63:	1,501,743
		1,501,235		37:	1,501,622		12:	1,501,266		12:	1,501,549	265—	59:	1,501,141		68:	1,501,253
		1,501,287		230:	1,501,721		13:	1,501,782		19:	1,501,299		61:	1,501,124	303—	50:	1,501,146
		1,501,668	200—	30:	1,501,442		17:	1,501,872		21:	1,501,431	267—	17:	1,501,382	304—	6:	1,501,088
		1,501,675		89:	1,501,148		40:	1,501,768		29:	1,501,523		28:	1,501,891		24:	1,501,438
		1,501,676		93:	1,501,126		48:	1,501,638			1,501,550		31:	1,501,844		35:	1,501,298
		1,501,871		109:	1,501,734		50:	1,501,339		31:	1,501,522		36:	1,501,819	305—	10:	1,501,097

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Accornero & Castaldo, New York, N. Y. Ointment for burns. 186,787; July 22; Serial No. 191,516; published Apr. 29, 1924.

Addison, William D., Manning, Iowa. Liquid solution for roup, chicken cholera, chicken pox, etc. 187,019; July 22.

Adler, Henry L., doing business as Laurel Laboratories, New York, N. Y. Foot tonic. 186,960; July 22; Serial No. 192,949; published Apr. 29, 1924.

Airmap Corporation of America, The, New York, N. Y. Title for photographs. 186,800; July 22; Serial No. 194,237; published May 13, 1924.

Albro Knitting Mill, The, Philadelphia, Pa. Hosiery and knitted neckties. 186,841; July 22; Serial No. 185,551; published Apr. 22, 1924.

Alderman, Fairchild Company, Rochester, N. Y. Game. 186,626; July 22; Serial No. 192,811; published May 6, 1924.

Alexander & Stein, Inc., New York, N. Y. Handkerchiefs. 187,038; July 22.

Allen, Mildred C., doing business as Mildred C. Allen & Co., Highland Park, Ill. Children's nightgowns, shirts, dresses, etc. 186,520; July 22; Serial No. 179,915; published May 6, 1924.

Alphastone Composition Works, Los Angeles, Calif. Plastic composition for stucco. 186,592; July 22; Serial No. 193,489; published Apr. 29, 1924.

Amend, Joseph E., Appleton, Wis. Malted-milk beverage. 186,708; July 22; Serial No. 176,936; published Apr. 29, 1924.

American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Malt cereal product used in making beverages. 186,676; July 22; Serial No. 177,723; published May 6, 1924.

American Cellulose & Chemical Manufacturing Company. (See British Cellulose and Chemical Manufacturing Company, assignor.)

American Clay Products Company, Inc., Newark, N. J. and New York, N. Y. Tiles, wall furring and coping, flue lining. 186,582; July 22; Serial No. 192,874; published Apr. 29, 1924.

American Diamalt Company, The, Cincinnati, Ohio. Malt extract for food purposes. 186,574; July 22; Serial No. 186,576; published Apr. 1, 1924.

American Diamalt Company, The, Cincinnati, Ohio. Malt extract for food purposes. 186,575; July 22; Serial No. 186,577; published Apr. 29, 1924.

American Dry Goods Company of New York, New York, N. Y. Ladies' hose. 186,819; July 22; Serial No. 189,836; published May 6, 1924.

American Economy Food Corporation, New York, N. Y. Canned fruits, pickles, and vegetables, pastries, etc. 186,821; July 22; Serial No. 190,224; published May 6, 1924.

American Flange Frog and Railway Improvement Company, St. Louis, Mo. Railway frogs. 187,053; July 22.

American Fork & Hoe Company, The, Cleveland, Ohio. Agricultural hand implements. 187,061; July 22.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 186,848; July 22; Serial No. 191,467; published Apr. 29, 1924.

American Injector Company, Detroit, Mich. Bearing alloys. 186,616; July 22; Serial No. 173,341; published Feb. 6, 1923.

American Narrow Fabric Company, Worcester, Mass. Garter and hose-supporter buttons, pendants, and collets. 186,685; July 22; Serial No. 190,906; published Apr. 29, 1924.

American Net & Twine Co., Boston, Mass., and New York, N. Y. Cotton sail twine. 25,242; renewed Sept. 18, 1924.

American Unity Publishing Company, Chicago, Ill. Publication. 186,566; July 22; Serial No. 176,394; published Apr. 29, 1924.

American Writing Machine Company, The; American Writing Machine Company, successors, Hartford, Conn. Typewriter ribbons. 25,119; renewed Aug. 14, 1924.

An-Jo Bakery, Jacksonville, Fla. Bakery products. 186,531; July 22; Serial No. 193,493; published May 6, 1924.

Ankrum Advertising Agency, Chicago, Ill. Periodicals. 186,888; July 22; Serial No. 194,321; published May 13, 1924.

Anthony, Harry W., Strausstown, Pa. Hosiery. 186,764; July 22; Serial No. 194,153; published May 13, 1924.

Antikamnia Chemical Company, The; The Antikamnia Remedy Company, St. Louis, Mo., successors. Medicinal tablets composed of antikamnia and quinine. 25,097-0; renewed Aug. 7, 1924.

Antoine Chiris Company, New York, N. Y. Apricot, cherry, blackberry, etc., flavors. 187,098; July 22.

Apfel, M., & Bro., New York, N. Y. Hats and headgear. 186,653; July 22; Serial No. 187,909; published Apr. 22, 1924.

Arata, F. G., Portland, Oreg. Olive oil. 186,733; July 22; Serial No. 174,381; published May 13, 1924.

Arcade File Works, Anderson, Ind. Files and rasps. 186,935; July 22; Serial No. 192,953; published May 13, 1924.

Armstrong Company, The, Detroit, Mich. Plastic cement. 186,593; July 22; Serial No. 193,495; published Apr. 29, 1924.

Armstrong, Mary C., New York, N. Y. Candles. 186,738; July 22; Serial No. 195,041; published May 13, 1924.

Aron, J., & Company, Inc., New Orleans, La. Coffee. 186,806; July 22; Serial No. 192,205; published May 6, 1924.

Arrow Nut & Candy Company, The. (See Chaparas, Nicholas K.)

Arrowsmith Manufacturing Company, New York, N. Y. Preparations for treating, etc., growths on the feet. 186,958; July 22; Serial No. 192,879; published Apr. 29, 1924.

Ashe Hosiery Mills, Knoxville, Tenn. Infants' hose. 186,918; July 22; Serial No. 193,564; published May 6, 1924.

Austin Company, The, East Cleveland, Ohio. Standard factory buildings, industrial plants, power houses, etc. 186,643; July 22; Serial No. 172,823; published Apr. 29, 1924.

Austin Manufacturing Co., Chicago, Ill. Road machines. 186,759; July 22; Serial No. 193,377; published May 13, 1924.

Automatic Shoe Shiner Corporation, New York, N. Y. Shoe-shining machines. 186,795; July 22; Serial No. 193,318; published May 13, 1924.

Auto-Meter Co. Inc., New York, N. Y. Gauges used in connection with motor vehicles. 186,818; July 22; Serial No. 189,653; published May 13, 1924.

Babani, Maurice, Paris, France. Rice powder, perfume extracts, toilet waters, etc. 186,979; July 22.

Bakal, S., and Son, New York, N. Y. Snap fasteners. 186,854; July 22; Serial No. 192,104; published May 6, 1924.

Baker, Charles F., & Co., assignor to Charles F. Baker & Co. Inc., Boston, Mass. Nails. 25,477; renewed Nov. 6, 1924.

Baker Paint & Varnish Co., Jersey City, N. J. Putty. 186,986; July 22.

Bamberger, L., & Co., Newark, N. J. Sport garments for women and misses. 187,035; July 22.

Bankers Supply Co., The, Denver, Colo., and Chicago, Ill. Semimonthly publications. 186,549; July 22; Serial No. 193,695; published Apr. 29, 1924.

Barbour, J. E., Company, Paterson, N. J. Twine. 186,851; July 22; Serial No. 191,664; published May 6, 1924.

Barkas, Peter A., doing business as P. Barkas Company, Jersey City, N. J. Confections. 186,829; July 22; Serial No. 190,954; published May 6, 1924.

Barna Co. Inc., New York, N. Y. Cake. 186,508; July 22; Serial No. 193,020; published May 6, 1924.

Barthels Manufacturing Company, Glendale, N. Y. Shoe, corset, and middy-blouse laces. 186,921; July 22; Serial No. 193,497; published May 6, 1924.

Bartholomew, J. J., & Son, Inc., Vernon, N. Y. Pastry, Graham, pancake, and self-rising buckwheat flour, corn meal, etc. 186,539; July 22; Serial No. 193,752; published May 6, 1924.

Bay View Furniture Co., Holland, Mich. Cabinets for radio receiving sets. 186,684; July 22; Serial No. 190,996; published Apr. 29, 1924.

Beasley Shoe Co., Inc., Lynchburg, Va. Shoes of leather. 186,576; July 22; Serial No. 189,349; published Apr. 22, 1924.

Beaver Soap Company, The, Dayton, Ohio. Coconut-oil soap. 186,871; July 22; Serial No. 192,885; published May 6, 1924.

Becker, Justus D., Reading, Pa. Candy. 186,719; July 22; Serial No. 187,791; published May 6, 1924.

Beech-Nut Packing Company, Canajoharie, N. Y. Macaroni, spaghetti, vermicelli, and noodles. 186,900; July 22; Serial No. 193,651; published May 6, 1924.

Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 186,498; July 22; Serial No. 192,661; published Apr. 29, 1924.

Beller, A., & Co., New York, N. Y. Ladies' skirts. 186,763; July 22; Serial No. 194,043; published May 13, 1924.

Benaderet, Samuel, San Francisco, Calif. Cigarettes. 186,661; July 22; Serial No. 194,156; published May 6, 1924.

Benedict, Read, assignor to Benedict Brothers, New York, N. Y. Collar and cuff buttons. 25,041; renewed July 24, 1924.

Bennett Day Importing Company, Inc., New York, N. Y. Walnuts. 186,824–5; July 22; Serial Nos. 190,865–6; published May 6, 1924.

Billow, Benjamin, New York, N. Y. Middy blouses, underwear, hosiery, shirts, dresses, etc. 186,884; July 22; Serial No. 192,665; published May 6, 1924.

Bishop & Babcock Company, The, Cleveland, Ohio. Flavoring extracts. 187,011; July 22.

Blair Canning Company. (See Dawson, Clarence O.)

Blanchard Press, Inc., New York, N. Y. Monthly magazine. 186,499; July 22; Serial No. 192,668; published Apr. 29, 1924.

Blue Bird Inc. Perfumers. (See Crown Supply Co., assignors.)

Bonded Products Corporation, New York, N. Y. Soap and soap products. 187,009; July 22.

Bonzoline Manufacturing Company Limited, The, London, England. Golf and croquet, billiard, pyramid, snooker, pool, and bagatelle balls, and other balls. 186,625; July 22; Serial No. 190,077; published May 6, 1924.

Boone, Dickinson and Dickinson, East Bakersfield, Calif. Brooms and brushes. 186,669; July 22; Serial No. 192,887; published May 6, 1924.

Borina, Nicholas M., Watsonville, Calif. Fresh apples. 186,810; July 22; Serial No. 191,935; published May 6, 1924.

Bork, Jesse J., doing business as Dairy Chemical Company, Manson, Iowa. Chemical neutralizers for sour cream. 186,487; July 22; Serial No. 192,107; published Apr. 29, 1924.

Boston Store of Chicago, Inc., Wilmington, Del., and Chicago, Ill. Shirts. 187,039; July 22.

Botha, Louis, doing business as The Panty-Coat Company, New York, N. Y. Overcoats and convertible combination coat and breeches for men and women. 187,005; July 22.

Bradford Dyers' Association, Limited, The, Bradford, England. Piece goods composed of an admixture of wool and cotton. 186,607; July 22; Serial No. 122,465; published May 6, 1924.

Breier's, Marcus, Sons, New York, N. Y. Outer shirts for men, women, boys, and girls. 186,526; July 20; Serial No. 193,025; published May 6, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Drinking glasses, bowls, and jars. 186,628; July 22; Serial No. 192,893; published May 6, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Chemical rust remover. 186,959; July 22; Serial No. 192,889; published Apr. 29, 1924.

British Cellulose and Chemical Manufacturing Company Limited, now by change of name British Celanese Limited, London, England, assignor to the American Cellulose & Chemical Manufacturing Company, Ltd., New York, N. Y. Ladies' knitted underwear. 186,516; July 22; Serial No. 186,976; published May 6, 1924.

Bronson & Townsend Co., The, New Haven, Conn. Monthly publications. 186,886; July 22; Serial No. 194,904; published May 13, 1924.

Brookman Mfg. Co., Chicago, Ill. Lye. 186,938; July 22; Serial No. 192,815; published Apr. 29, 1924.

Brooks, Lester L., doing business as Betty Brooks Apron Co., Los Angeles, Calif. Women's and children's aprons, dresses, house dresses, porch frocks, and coats. 186,646; July 22; Serial No. 182,561; published Dec. 11, 1923.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 186,705; July 22; Serial No. 170,178; published Feb. 27, 1923.

Buckley, T. Andrew, doing business as Buckley Chemical Co., New York, N. Y. Dentifrice. 186,972; July 22; Serial No. 193,660; published May 6, 1924.

Burnet Company, The, St. Louis, Mo., assignor to L. & R. Company, Providence, R. I. Shoe laces, corset laces, braids, tapes, elastic. 186,547; July 22; Serial No. 194,048; published Apr. 29, 1924.

Burrell, D. H., & Co., Inc., Little Falls, N. Y. Milking machines and parts thereof and vacuum pumps. 186,495; July 22; Serial No. 192,596; published May 6, 1924.

Burrell, D. H., & Co., Inc., Little Falls, N. Y. Babcock testers and test outfits, milk testers, etc. 186,496; July 22; Serial No. 192,597; published May 6, 1924.

Burton Page Company, The, Chicago, Ill. Milking machines. 186,567; July 22; Serial No. 177,071; published May 6, 1924.

Cadet Knitting Company, Philadelphia, Pa. Sweaters. 186,907; July 22; Serial No. 175,979; published May 6, 1924.

Calhoun, Robbins & Co., New York, N. Y. Tassels and fringes, elastic belting and cord, etc. 186,564; July 22; Serial No. 172,209; published Dec. 18, 1923.

California Pencil Co. (See Crumpton, Alvah S.)

Calo Dome Laboratories, Inc., New York, N. Y. Electrical appliances for applying heat to the scalp. 186,606; July 22; Serial No. 190,232; published Apr. 29, 1924.

Calumet Baking Powder Company. (See Downing, Helen H., assignor.)

Cambridge Rubber Company, Cambridge, Mass. Raincoats. 186,775; July 22; Serial No. 190,402; published May 6, 1924.

Campe Corporation, The, New York, N. Y. Children's knitted waists and waist suits. 186,529; July 22; Serial No. 193,213; published May 6, 1924.

Capriata, Hugh D., New York, N. Y. Canned vegetables, fish, and anchovies and pickled fish. 186,718; July 22; Serial No. 187,911; published May 6, 1924.

Carey Salt Company, The, Hutchinson, Kans. Salt. 186,970; July 22; Serial No. 193,571; published May 6, 1924.

Carley-Rice Co., Milwaukee, Wis. Hosiery. 186,584; July 22; Serial No. 192,957; published Apr. 29, 1924.

Carnrick, G. W., Co., New York, N. Y. Medicinal preparations. 186,961; July 22; Serial No. 192,958; published Apr. 29, 1924.

Carter Dry Goods Co., Louisville, Ky. Sweaters and knit goods. 186,530; July 22; Serial No. 193,384; published May 6, 1924.

Castle Braid Co., New York, N. Y. Trimmings. 186,836; July 22; Serial No. 180,270; published May 6, 1924.

Castle Braid Co., New York, N. Y. Trimmings. 186,916; July 22; Serial No. 180,269; published May 6, 1924.

Celsi, Guido, Portland, Oreg. Olive oil. 186,749; July 22; Serial No. 193,899; published May 6, 1924.

Chalfin and Blass, doing business as Star Electric Light Shades Co., Malden, Mass.; said Chalfin assignor to said Blass. Glass lamp shades. 186,611; July 22; Serial No. 175,463; published May 6, 1924.

Chaparas, Nicholas K., doing business as The Arrow Nut & Candy Company, New York, N. Y. Nuts. 186,727; July 22; Serial No. 179,355; published May 13, 1924.

Chappell, William R., doing business as Universal Cover Fastener Company, New York, N. Y. Cover fasteners. 186,870; July 22; Serial No. 192,817; published May 6, 1924.

Charleston Milling & Produce Company, Charleston, W. Va. Middlings, feed, wheat flour, meal. 186,585; July 22; Serial No. 192,960; published Apr. 29, 1924.

Char-Tex Company, Des Moines, Iowa. Tooth paste and antiseptic. 186,783; July 22; Serial No. 191,473; published Apr. 29, 1924.

Chemische Fabrik Marienfelde, G. m. b. H., Berlin-Marienfelde, Germany. External remedy for skin diseases. 187,033; July 22.

Chopak Textile Co. Inc., New York, N. Y. Knitted silk piece goods. 186,630; July 22; Serial No. 193,151; published May 6, 1924.

Cincinnati Fly Screen Company, The, Cincinnati, Ohio. Fly screens. 186,507; July 22; Serial No. 192,603; published Apr. 29, 1924.

Clen-So Company, Shreveport, La. Paste cleaner for enameled woodwork and furniture, etc. 186,755; July 22; Serial No. 193,575; published May 13, 1924.

Cleveland Shopping News Company, The, Cleveland, Ohio. Title of a newspaper. 186,969; July 22; Serial No. 193,503; published May 13, 1924.

Cocoa Fruit Co., Cocoa, Fla. Fresh citrous fruits. 186,903; July 22; Serial No. 193,902; published May 6, 1924.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's and children's outer garments. 186,934; July 22; Serial No. 193,153; published May 13, 1924.

Collins-Kirk, Inc., Chicago, Ill. Toilet powders, rouges, face creams, and lotions. 186,778; July 22; Serial No. 191,008; published Apr. 15, 1924.

Colton, Geo. S., Elastic Web Co., Easthampton, Mass. Elastic webs. 186,713; July 22; Serial No. 186,218; published Apr. 22, 1924.

Columbia Cheese Company, Newark, N. J. Butter and horse-radish. 186,904; July 22; Serial No. 193,903; published May 6, 1924.

Commercial Glue Co. (See Pane, Raymond I.)

Compagnie Optorg, Paris, France. Pig silk in the piece. 186,619; July 22; Serial No. 187,725; published May 6, 1924.

Comptoir Metallurgique Luxembourgeois, Luxemburg, Luxemburg. Dung or basic slag for agricultural and horticultural purposes. 186,571; July 22; Serial No. 183,872; published May 6, 1924.

Conradi & Friedemann; Conradi & Friedemann-A. G. Limbach Sa., Limbach, Germany, successors. Muslin, knit, and woven underwear. 24,036; renewed Jan. 9, 1924.

Cook Laboratories, Inc., Chicago, Ill. Applicators. 187,064; July 22.

Cordley & Hayes, New York, N. Y. Faucets. 186,980; July 22.

Coy, Hunt and Company, New York, N. Y. Paper. 187,031; July 22.

Coykendall, Inc., Berkeley, Calif. Canned and dried fruits and canned vegetables. 186,807; July 22; Serial No. 192,111; published May 6, 1924.

Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf balls. 186,600; July 22; Serial No. 192,311; published May 6, 1924.

Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 186,601; July 22; Serial No. 192,310; published May 6, 1924.

Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 186,670; July 22; Serial No. 192,309; published May 6, 1924.

Crown Supply Company, Inc., assignors to Blue Bird, Inc. Perfumers, New York, N. Y. Soaps. 186,860; July 22; Serial No. 160,661; published Apr. 29, 1924.

Crumpton, Alvah S., doing business as California Pencil Co., Los Angeles, Calif. Pencils. 186,874; July 22; Serial No. 192,366; published Apr. 22, 1924.

Curtiss Candy Company, Chicago, Ill. Candy and candy bars. 186,802; July 22; Serial No. 192,480; published May 13, 1924.

D. W. M. Arms & Ammunition Corporation. Pistols, rifles, and ammunition. 186,604; July 22; Serial No. 191,369; published May 6, 1924.

Dade Co. Citrus Sub-Exchange, Miami, Fla. Canned citrous fruit. 186,826; July 22; Serial No. 190,913; published May 6, 1924.

Dairy Chemical Company. (See Bork, Jesse J.)

Dalton, Marie D., doing business as O. P. Tablet Company, Atlantic City, N. J. Medicinal preparation. 186,788; July 22; Serial No. 191,603; published May 6, 1924.

Danish Pride Milk Products Co., Sheboygan, Wis. Condensed and evaporated milk. 186,845; July 22; Serial No. 188,409; published May 6, 1924.

Darms Company, The, Chicago, Ill. Candy. 186,827; July 22; Serial No. 190,914; published May 6, 1924.

Davel Knitting Mills. (See Salomon, David I.)

Davidson Bros. Co., Sioux City, Iowa. Sanitary napkins. 186,553; July 22; Serial No. 193,158; published May 6, 1924.

Dawson, Clarence O., doing business as Blair Canning Company, Blair, Nebr. Canned vegetables. 186,905; July 22; Serial No. 193,906; published May 6, 1924.

De Bevoise, Chas. R., Co., Newark, N. J. Corsets, brassières, girdles. 186,784; July 22; Serial No. 191,476; published May 6, 1924.

Deli Publishing Co., New York, N. Y. Magazine. 186,945; July 22; Serial No. 192,606; published May 13, 1924.

De Marcy. (See Heymann, Paul.)

Denver Dry Goods Company, The, Denver, Colo. Men's hats. 186,650–2; July 22; Serial Nos. 187,566–8; published Apr. 22, 1924.

Diamond Sanilift Company, Portland, Oreg. Toilet-seat operating and cushioning devices. 186,697; July 22; Serial No. 191,262; published May 6, 1924.

Domino House. (See Sullivan, Marguerite.)

Dorf, Morris, doing business as Dorf & Company, Baltimore, Md. Caps. 186,578; July 22; Serial No. 190,016; published Apr. 29, 1924.

Dowd, J. C., & Co. Inc., New York, N. Y. Brushes. 186,668; July 22; Serial No. 192,899; published May 6, 1924.

Dowd, J. C., & Co. Inc., New York, N. Y. Toilet mirrors and picture frames. 186,872; July 22; Serial No. 192,900; published May 6, 1924.

Downing, Helen H., assignor to Calumet Baking Powder Company, Chicago, Ill. Books. 186,551; July 22; Serial No. 193,663; published Apr. 29, 1924.

Drummond, Herman F., Milwaukee, Wis. Malt sirup and flavors for food purposes. 186,523; July 22; Serial No. 174,000; published May 6, 1924.

Duncan, Robert, doing business as The Viro Company of California, Los Angeles, Calif. Malted-milk products. 186,846; July 22; Serial No. 190,050; published May 6, 1924.

Du Pont Cellophane Company, Inc., Buffalo, N. Y. Cellulose sheets. 186,577; July 22; Serial No. 190,191; published Apr. 29, 1924.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Acids, alums, sulphate of alumina, barium and sodium chemicals, etc. 186,659; July 22; Serial No. 150,438; published Nov. 28, 1922.

Du Quoin Bottling Co., Duquoin, Ill. Beverages and sirups for making the same. 187,000; July 22.

Dustall Products Company, Dallas, Tex. Dust cloth. 186,672; July 22; Serial No. 191,878; published May 6, 1924.

Eagle Discount Stamp Co., St. Louis, Mo. Trading or discount stamps and coupons. 186,896; July 22; Serial No. 193,700; published May 13, 1924.

East Side Wholesale Grocery Co., East St. Louis, Ill. Canned vegetables, canned fruits, and macaroni. 186,540; July 22; Serial No. 193,907; published May 6, 1924.

Eclipse Air Brush Company, Newark, N. J. Apparatus for applying paints in spray form. 186,493; July 22; Serial No. 192,565; published May 6, 1924.

Edna Brass Mfg. Co., The, Cincinnati, Ohio. Locomotive lubricators, journal and engine bearings, etc. 186,720; July 22; Serial No. 187,304; published May 13, 1924.

Emerson Medicine Company. (See Ray, Richard.)

English, William J., Flushing, N. Y. Mayonnaise dressing. 186,491; July 22; Serial No. 192,248; published Apr. 29, 1924.

Epstein, H. & L., Inc., St. Louis, Mo. Leather putties. 186,785; July 22; Serial No. 191,479; published May 6, 1924.

Eshleman, Samuel C., doing business as Fox Hill Fruit Farms, McKnightstown, Pa. Fresh apples. 186,796; July 22; Serial No. 193,277; published May 13, 1924.

Eton Shirt Co. Inc., New York, N. Y. Men's and boys' shirts, underwear, pyjamas, and nightshirts. 186,906; July 22; Serial No. 193,910; published May 13, 1924.

Euclid Candy Company The, Cleveland, Ohio. Candies. 186,815; July 22; Serial No. 188,092; published May 6, 1924.

Ever-Glow Company. (See Smith, Edwin B., jr.)

Eyre, Fred A., & Co. Inc., Brooklyn, N. Y. Shoes and slippers. 186,579; July 22; Serial No. 190,634; published Apr. 29, 1924.

Fairfacts Company, Inc., The, New York, N. Y. Bathroom fixtures. 186,728; July 22; Serial No. 179,093; published May 13, 1924.

Fairmont Railway Motors, Inc., Fairmont, Minn. Monthly publication. 186,552; July 22; Serial 193,582; published Apr. 29, 1924.

Faliert, Joseph, Brewing Company Limited, Brooklyn, N. Y. Lager beer. 25,587; renewed Dec. 4, 1924.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Medicinal agents to be used against intestinal parasites. 186,789; July 22; Serial No. 191,608; published Apr. 29, 1924.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Chemical preparations for destroying American blight. 186,952; July 22; Serial No. 192,322; published Apr. 29, 1924.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Anodynes. 186,973; July 22; Serial No. 193,666; published May 6, 1924.

Farrell, Thomas A., doing business as Standard Rubber Co., Carlstadt, N. J. Rubber heels. 187,036; July 22.

Fassett & Company, Tacoma, Wash. Canned berries and fruits and pork and beans. 186,875; July 22; Serial No. 192,370; published May 6, 1924.

Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Textile nightshirts, nightgowns, pyjamas, underwear, and beach robes. 186,537; July 22; Serial No. 193,667; published May 6, 1924.

Favorite Stove & Range Co., The, Piqua, Ohio. Cast-iron cooking utensils. 186,932; July 22; Serial No. 193,220; published May 13, 1924.

Feculose Co. of America, Boston, Mass. Composition for the treatment of leather. 186,879; July 22; Serial No. 192,523; published May 6, 1924.

Fenn Brothers, Sioux Falls, S. Dak. Candy. 186,881; July 22; Serial No. 192,610; published May 13, 1924.

Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding tables. 186,908; July 22; Serial No. 176,076; published May 6, 1924.

Fewel, Wallace M., Centerville, Calif. Fresh vegetables and deciduous fruits. 186,742; July 22; Serial No. 194,443; published May 13, 1924.

Finch, Van Slyck & McConville, St. Paul, Minn. Ladies' mercerized stockings. 186,765; July 22; Serial No. 194,178; published May 13, 1924.

Fisher Bros. Paper Co., Fort Wayne, Ind. Wrapping paper. 187,015; July 22.

Flynt, J. G., Tobacco Co., Winston-Salem, N. C. Smoking tobacco. 186,623; July 22; Serial No. 182,967; published May 6, 1924.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 186,750; July 22; Serial No. 193,819; published May 6, 1924.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 186,751; July 22; Serial No. 193,816; published May 6, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 186,627; July 22; Serial No. 192,827; published May 6, 1924.

Fox Hill Fruit Farms. (See Eshleman, Samuel C.)

Frasier, Thornton & Co., Limited, Cookshire, Quebec, Canada. Pills for constipation, indigestion, heartburn, sick headache, etc. 186,701; July 22; Serial No. 152,744; published Dec. 25, 1923.

Fries & Fries Company, The, Cincinnati, Ohio. Flavoring extracts. 186,853; July 22; Serial No. 191,701; published May 6, 1924.

Fruitfrost Corporation, The, New York, N. Y. Fresh-fruit sirup for nonalcoholic, maitless sirups and dry-fruit concentrates for making soft drinks. 186,833; July 22; Serial No. 191,481; published May 13, 1924.

Frye, George C., Company, Portland, Me. Pharmaceutical preparations. 186,779; July 22; Serial No. 191,069; published May 6, 1924.

Frye, George C., Company, Portland, Me. Pharmaceutical preparations. 186,780; July 22; Serial No. 191,071; published May 6, 1924.

Gabbour, Mitri, Mfg. Co., Fall River, Mass. Confection. 186,834; July 22; Serial No. 191,615; published May 6, 1924.

Galion Garment Manufacturing Co., Galion, Ohio. Wash garments, undergarments, and aprons. 186,700; July 22; Serial No. 151,454; published May 13, 1924.

Ganeles, David, New York, N. Y. Monthly publications. 186,504; July 22; Serial No. 192,970; published Apr. 29, 1924.

Garage Utilities Co., The, Hackensack, N. J. Horses or automobile supports. 186,691; July 22; Serial No. 189,773; published Apr. 22, 1924.

Garis, Howard R., East Orange, N. J. Toy figures. 186,632; July 22; Serial No. 193,453; published May 6, 1924.

Gates, Thomas B. M., New York, N. Y. Toilet pins. 186,711; July 22; Serial No. 180,427; published Jan. 1, 1924.

Gazzolo Drug & Chemical Company, Chicago, Ill. Flux (for solder). 186,793; July 22; Serial No. 191,702; published Apr. 29, 1924.

Geraldine Hat Co., New York, N. Y. Hats. 186,937; July 22; Serial No. 192,833; published May 6, 1924.

Gift House, Inc., The, New York, N. Y. Book ends composed of cast metal. 186,717; July 22; Serial No. 189,308; published May 13, 1924.
Gilbert, Wm. L., Clock Company, Winsted, Conn.; Chicago, Ill.; and New York, N. Y. Clocks. 25,569; renewed Dec. 4, 1924.
Glanzrock La Penna Co., New York, N. Y. Men's coats, vests, pants, and overcoats. 186,926; July 22; Serial No. 193,395; published May 13, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 186,662; July 22; Serial No. 193,334; published May 6, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 186,663; July 22; Serial No. 193,105; published May 6, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 186,664; July 22; Serial No. 193,103; published May 6, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 186,665; July 22; Serial No. 193,101; published May 6, 1924.
Glicksman, David, New York, N. Y. Men's and boys' overcoats, coats, vests, trousers, and raincoats. 186,772; July 22; Serial No. 194,444; published May 13, 1924.
Glo-Kami Mfg. & Distributing Co., Oakland, Calif. Beauty clay. 186,957; July 22; Serial No. 192,835; published Apr. 29, 1924.
Gold, Ben, New York, N. Y. Neckties. 186,519; July 22; Serial No. 180,178; published May 6, 1924.
Goldberg, Charles K., doing business as Greenefield Tool & Hardware Co., New York, N. Y. Knife and scissors sharpener. 186,598; July 22; Serial No. 192,325; published Apr. 29, 1924.
Goldman, Sigmund L., doing business as Swastica Products Co., Chicago, Ill. Vegetable and cereal food compound. 186,838; July 22; Serial No. 182,145; published May 6, 1924.
Goldman, Wm. P., & Bros. Inc., New York, N. Y. Men's overcoats. 186,924; July 22; Serial No. 193,456; published May 6, 1924.
Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Hanger and furring inserts. 186,505; July 22; Serial No. 192,972; published May 6, 1924.
Goodhoid Mfg. Co. (See Rosengarten, William.)
Goodyer, Cyrus S., Glendale, Calif. Salads, French and mustard dressings, sweet relish. 186,679; July 22; Serial No. 191,957; published Apr. 29, 1924.
Gordan Machine Company, Boston, Mass. Packaging machines. 186,800; July 22; Serial No. 192,911; published May 13, 1924.
Graham Bros. & Co., assignors to Graham Brothers Soap Company, Chicago, Ill. Toilet soap. 25,643; renewed Dec. 11, 1924.
Greenefield Tool & Hardware Co. (See Goldberg, Charles K.)
Greenstein-Siegel Co., Inc., New York, N. Y. Suits and overcoats. 187,034; July 22.
Grenoville, Marie M., Richard vve., doing business as Parfumerie Grenoville, Asnieres, France. Perfume, toilet water, face powder, etc. 186,965; July 22; Serial No. 193,108; published Apr. 29, 1924.
Grip Bow Tie Company, Omaha, Nebr. Neckties. 186,507; July 22; Serial No. 188,839; published May 6, 1924.
Groulx, John, Detroit, Mich. Salve for the treatment of rectal diseases. 186,791; July 22; Serial No. 191,618; published Apr. 29, 1924.
Gutzmann, Frederick A., Pittsburgh, Pa. Hair tonics and healing creams. 187,051; July 22.
Haines-Carpenter Company, St. Louis, Mo. Disinfectant, deodorizer, and sterilizer. 186,982; July 22.
Hales, George, Mfg. Company, Incorporated, New York, N. Y. Wagon loaders. 186,981; July 22.
Hall, Lincoln N., Chicago, Ill. Chance game. 186,631; July 22; Serial No. 193,282; published May 6, 1924.
Hamilton, James W., St. Paul, Minn. Heavy winter overalls. 186,878; July 22; Serial No. 192,486; published May 13, 1924.
Handelsfirmaet "Bello" ved Harms & Jennow, Copenhagen, Denmark. Razor-blade-grinding machine. 186,688; July 22; Serial No. 190,639; published May 6, 1924.
Hanson & Van Winkle Company, The, Newark, N. J. Polishing wheels. 186,936; July 22; Serial No. 192,913; published Apr. 29, 1924.
Harding Cream Company, Omaha, Nebr. Butter, eggs, condensed and evaporated milk, etc. 186,999; July 22.
Hartmann Trunk Company, Racine, Wis. Trunks. 187,007; July 22.
Hasselbarth, C. O., Albany, N. Y. Mattresses, spring beds, couches, day beds, and bedsteads. 186,892; July 22; Serial No. 193,921; published May 13, 1924.
Hastings Potato Growers Assn., Hastings, Fla. Potatoes. 187,017; July 22.
Health Harvest Food Co., Louisville, Ky. Food product. 186,835; July 22; Serial No. 180,281; published May 6, 1924.
Hedges & Brother, Newark, N. J. Flush valves, urinal valves, urinal spreaders, etc. 186,596; July 22; Serial No. 178,696; published Nov. 13, 1923.
Helena Wholesale Dry Goods Company, Helena, Ark. Overalls, pants, shirts, etc. 186,649; July 22; Serial No. 188,268; published Jan. 29.
Helt, Hester, doing business as Mustard Cerate Mfg. Co., Trinidad, Colo. Mustard cerate. 187,043; July 22.
Hershey Chocolate Company, Hershey, Pa. Chocolates and candy. 186,828; July 22; Serial No. 190,926; published May 6, 1924.
Heymann, Paul, doing business as De Marcy, Lilas, Seine, France. Perfume, eau de cologne, rouge, etc. 187,037; July 22.
Hiergesell, Wm. & Sons, New York, N. Y. Thermometers and hydrometers. 186,602; July 22; Serial No. 192,121; published Apr. 29, 1924.
Hildreth, Charles E., Los Angeles, Calif. Domestic cleanser, deodorizer, and disinfectant. 186,966; July 22; Serial No. 193,110; published Apr. 29, 1924.
Hills Brothers Company, The, New York, N. Y. Canned grapefruit. 186,799; July 22; Serial No. 192,914; published May 13, 1924.
Hollander Bros. Drug Co., Braddock, Pa. Hair pomade, stomach drops, carbolic salve, etc. 186,987; July 22.
Home Accessories Corporation, Worcester, Mass. Towel bars, toilet paper and toothbrush holders, etc. 186,492; July 22; Serial No. 192,534; published May 6, 1924.
Hood, C. I., & Co., Lowell, Mass., assignor to C. I. Hood Company, New York, N. Y. Pills. 24,865; renewed June 12, 1924.
Houser Textile Company, Nashville, Tenn. Hosiery, gloves, underwear, etc. 186,897; July 22; Serial No. 193,923; published May 13, 1924.
Hubbard, N. E. H., & Co., New York, N. Y. Sale and execution of the work of printing, lithographing, etc. 186,866; July 22; Serial No. 192,257; published May 6, 1924.
Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 186,925; July 22; Serial No. 193,399; published May 6, 1924.
Huff, Wilbert J., Pittsburgh, Pa. Solvent for removing residues from the bores of firearms. 186,962; July 22; Serial No. 192,978; published Apr. 29, 1924.
Humidity Control Company, The, Indianapolis, Ind. Dry-kiln controllers. 186,620; July 22; Serial No. 186,061; published Apr. 29, 1924.
Humphrey, A. B., Escalon, Calif. Fresh grapes. 186,739; July 22; Serial No. 194,869; published May 13, 1924.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and fish, jellies, jams, and fruit butters. 186,737; July 22; Serial No. 154,560; published May 6, 1924.
Hurley Shoe Co., Rockland, Mass. Shoes. 186,947; July 22; Serial No. 192,537; published May 6, 1924.
Idaho Canning Company, Limited, The, Payette, Idaho. Canned vegetables. 186,734; July 22; Serial No. 172,536; published May 6, 1924.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate. 186,644; July 22; Serial No. 174,783; published May 29, 1923.
Illinois Powder Mfg. Co., St. Louis, Mo. Dynamite. 187,006; July 22.
Independent Baking Company, Davenport, Iowa. Biscuits. 186,541; July 22; Serial No. 194,191; published May 6, 1924.
International Feature Service, Inc., New York, N. Y. Cartoons. 186,928–31; July 22; Serial Nos. 193,287–90; published May 6, 1924.
International Intaglio Corporation, New York, N. Y. Printing machines. 186,568; July 22; Serial No. 182,588; published May 6, 1924.
International Sales Company, assignor to United Sales Corporation of America, Springfield, Mass. Frozen confections. 186,724–6; July 22; Serial Nos. 181,122–4; published May 13, 1924.
Irving Drew Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 186,677; July 22; Serial No. 119,239; published Feb. 15, 1921.
Isaac, Morris & Sons Company, The, Cincinnati, Ohio. Ladies' and gentlemen's underwear. 187,013; July 22.
Jaeger-Bigelow Co., Inc., Boston, Mass. Emergency sutures. 187,054; July 22.
Jakovich, Kuzma D., doing business as Texas Consumers Company, Galveston, Tex. Coffee. 186,808; July 22; Serial No. 193,925; published May 6, 1924.
Jensen & Sons Milling & Grain Co., Nelson, Nebr. Wheat flour. 186,556; July 22; Serial No. 118,210; published Aug. 3, 1920.
Jersey Silk Mills, New York, N. Y. Waists, shirts, petticoats, underwear, etc. 186,840; July 22; Serial No. 182,820; published May 6, 1924.
Joannes Brothers Company, Los Angeles, Calif. Extracts for food-flavoring purposes. 186,532–5; July 22; Serial Nos. 193,594–7; published May 6, 1924.
Johnson Educator Food Company, Cambridge, Mass. Crackers coated with sweetened chocolate. 186,837; July 22; Serial No. 180,799; published May 6, 1924.
Johnson, J. Oliver, Inc., Chicago, Ill. Bird seed. 186,743; July 22; Serial No. 194,354; published May 13, 1924.
Johnson, J. Oliver, Inc., Chicago, Ill. Bird food. 186,770; July 22; Serial No. 194,353; published May 13, 1924.
Jollivet, Maurice H., Paris, France. Soap. 186,844; July 22; Serial No. 187,742; published Apr. 29, 1924.
Joyce, Patrick J., doing business as P. J. Joyce External Remedy Company, Cleveland, Ohio. Medicinal salve. 186,996; July 22.
Kannally-Wick Corporation, Highland, Ill. Leather shoes. 186,944; July 22; Serial No. 192,702; published May 6, 1924.

Kansas City Macaroni & Importing Co., Kansas City, Mo. Alimentary pastes. 186,497; July 22; Serial No. 192,622; published Apr. 29, 1924.
Kauffman Metal Products Co., The, Bellefontaine, Ohio. Machine gears. 187,055; July 22.
Keene, Orsie S., doing business as O. S. Keene Machine Company, Elkhart, Ind. Corn-popping machines. 186,618; July 22; Serial No. 188,312; published Apr. 29, 1924.
Kelly Axe Mfg. Co., Charleston, W. Va., and New York, N. Y. Adzes, axes, grub hoes, hammers, etc. 186,977; July 22; Serial No. 186,135; published May 13, 1924.
Kelton Aurand Manufacturing Co., Bay City, Mich. Household furniture. 186,687; July 22; Serial No. 190,688; published Apr. 29, 1924.
Kendall Manufacturing Company, Providence, R. I. Washing powders, soaps, and cleansing preparations. 186,760; July 22; Serial No. 193,338; published May 6, 1924.
Kendall Manufacturing Company, Providence, R. I. Washing powders, soaps, and cleansing preparations. 186,882; July 22; Serial No. 192,626; published May 6, 1924.
Keystone Lubricating Company, Philadelphia, Pa. Manifold lubricators, lubricator manifolds, and fittings. 186,683; July 22; Serial No. 191,024; published May 6, 1924.
Kidde, Walter, & Company, Inc., New York, N. Y. Fire-extinguishing apparatus. 186,814; July 22; Serial No. 191,627; published May 13, 1924.
Kilmer, Dr., & Co., Binghamton, N. Y. Certain named remedies. 25,455; renewed Nov. 6, 1924.
Kilmer, Dr., & Co., Binghamton, N. Y. Ointments. 25,493; renewed Nov. 13, 1924.
Kilmer, Dr., & Co., Binghamton, N. Y. Certain named remedies. 25,494; renewed Nov. 13, 1924.
Kilmer, Dr., & Co., Binghamton, N. Y. Certain named remedies. 25,637; renewed Dec. 11, 1924.
King Features Syndicate, Inc., New York, N. Y. Weekly newspaper section. 186,741; July 22; Serial No. 194,452; published May 13, 1924.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 186,927; July 22; Serial No. 193,294; published May 6, 1924.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 186,967; July 22; Serial No. 193,295; published May 13, 1924.
King, William, & Son, Washington, D. C. Magazine or periodical. 186,889; July 22; Serial No. 194,276; published May 13, 1924.
Kinite Company, The, Milwaukee, Wis. Composite metal castings. 186,572; July 22; Serial No. 184,081; published May 6, 1924.
Kirschbaum, A. B., Company, Philadelphia, Pa. Suits and overcoats. 186,968; July 22; Serial No. 193,403; published May 6, 1924.
Kissimmee Citrus Growers' Association, Kissimmee, Fla. Fresh citrous fruits. 186,766; July 22; Serial No. 194,195; published May 6, 1924.
Kleckner, J. W., Cloquet, Minn. Preparation for use in hairdressing and treatment of scalp, etc. 186,777; July 22; Serial No. 190,842; published May 6, 1924.
Klepser, H. M., doing business as Klepser Brothers, Altoona, Pa. Flour, buckwheat, corn meal. 186,856; July 22; Serial No. 154,368; published May 6, 1924.
Knapp Electric Corporation, New York, N. Y. Electrical toys. 187,049; July 22.
Knoxville Knitting Mills Co., Knoxville, Tenn. Hosiery. 186,767; July 22; Serial No. 194,196; published May 13, 1924.
Koenig, Philipp, Cuero, Tex. Compound for destroying boll weevils. 186,648; July 22; Serial No. 185,758; published Jan. 1, 1924.
Kolbert, Edward, & Sons, New York, N. Y. Ladies' coats, suits, and wraps. 186,527; July 22; Serial No. 193,181; published May 6, 1924.
Kops Bros. Inc., New York, N. Y. Corsets, brassières, bust supporters, suspenders, etc. 186,513; July 22; Serial No. 191,270; published May 6, 1924.
Koreska, Wilhelm, Vienna, Austria. Stencil sheets and copying paper. 186,647; July 22; Serial No. 180,070; published Apr. 8, 1924.
Kream of the Teche Pepper Factory. (See Ribbeck, Emile F.)
Kurzman, Inc., New York, N. Y. Ladies' hats, suits, coats, and fur coats and scarfs. 186,883; July 22; Serial No. 192,627; published May 6, 1924.
L. & R. Company. (See Burnet, Company, The, assignor.)
Lakeland Highlands Citrus Growers Ass'n., Haskell, Fla. Fresh citrous fruits. 186,748; July 22; Serial No. 194,111; published May 6, 1924.
Lamson & Sessions Company, The, Cleveland, Ohio. Bolts. 186,609; July 22; Serial No. 166,745; published Feb. 13, 1923.
Laney Creamery Company, San Antonio, Tex. Creamery butter. 186,545–6; July 22; Serial Nos. 194,112–13; published May 6, 1924.
Laning, E. M., Co., Inc., New York, N. Y. Essential oils and essences and perfume materials. 186,942; July 22; Serial No. 192,771; published Apr. 29, 1924.
Laurel Laboratories. (See Adler, Henry L.)
Lawther, William J., doing business as W. J. Lawther Mills, Dallas, Tex. Chick scratch, grain, buttermilk starter, etc. 186,511; July 22; Serial No. 192,026; published May 6, 1924.
Lazarus, Joseph, Company, The, Cincinnati, Ohio. Hats and caps. 186,854; July 22; Serial No. 188,488; published Apr. 22, 1924.
Lebanon Farmers Cooperative Co., The, Lebanon, Ohio. Wheat flour. 186,859; July 22; Serial No. 152,851; published May 6, 1924.
Lederer, Herbert B., Corp., New York, N. Y. Linen piece goods. 186,624; July 22; Serial No. 179,802; published May 6, 1924.
Les Etablissements Poulenc-Frères (Société Anonyme), Paris, France. Paratoluene-sulphochloramine. 186,702; July 22; Serial No. 155,103; published May 6, 1924.
Les Etablissements Poulenc Frères (Société Anonyme), Paris, France. Salicyl-dioxy-isobutyrate of propyl. 186,703; July 22; Serial No. 155,105; published May 6, 1924.
Levinson & Shapiro, Inc., New York, N. Y. Hosiery. 186,595; July 22; Serial No. 159,802; published Nov. 20, 1923.
Levy & Marcus, New York, N. Y., assignors to Levy and Marcus Inc. Cravats and neckties. 186,680; July 22; Serial No. 191,331; published Apr. 22, 1924.
Lewis, Hubbard and Company, Charleston, W. Va. Coffee, dried beans, rice, etc. 186,720; July 22; Serial No. 177,394; published May 6, 1924.
Lewis Lewis, Ward, W. Va. Preparation for removing corns and calli. 186,941; July 22; Serial No. 192,775; published Apr. 29, 1924.
Lewis, Mears Company, Boston, Mass. Butter. 186,761; July 22; Serial No. 194,277; published May 13, 1924.
Lewis, Mears Company, Boston, Mass. Butter, cheese, and eggs. 186,762; July 22; Serial No. 194,278; published May 13, 1924.
Lewis, W., and Company, Champaign, Ill. House organ. 186,500; July 22; Serial No. 192,773; published Apr. 29, 1924.
Lewis, W., and Company, Champaign, Ill. Series of illustrations. 186,501; July 22; Serial No. 192,774; published Apr. 29, 1924.
Libby, McNeill & Libby, Chicago, Ill. Fresh, canned, etc., beef, veal, mutton, etc. 186,522; July 22; Serial No. 174,172; published May 6, 1924.
Libby, McNeill & Libby, Chicago, Ill. Fresh, prepared, pickled, and canned beef, veal, pork, mutton, and poultry. 186,823; July 22; Serial No. 190,460; published May 6, 1924.
Lieberman Specialty Company, Philadelphia, Pa. Men's and boys' riding or service breeches. 187,025; July 22.
Lieberman Specialty Company, Philadelphia, Pa. Knickerbockers. 187,026; July 22.
Lindsay Farm Bureau Fruit Association, Lindsay, Calif. Pomegranate sirup for beverage purposes. 186,671; July 22; Serial No. 192,129; published May 6, 1924.
Lionel Trading Co. Inc., New York, N. Y. Face powders and rouges. 186,707; July 22; Serial No. 173,511; published Apr. 29, 1924.
Leowenstrin, Hans, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany. Sleeves of elastic material for securing screws, nails, hooks, etc., in metal, stone, etc. 186,693; July 22; Serial No. 188,966; published May 6, 1924.
Long Beach Milling Company, Long Beach, Calif. Corn meal, Graham and whole-wheat flour, etc. 186,847; July 22; Serial No. 190,419; published May 13, 1924.
Lovell & Covel Co., Boston, Mass. Candy. 187,022; July 22.
Lowell Bleachery, Lowell, Mass. Chemically-treated wipers for machinery. 186,849; July 22; Serial No. 190,600; published Apr. 29, 1924.
Lowell Specialty Company, Lowell, Mich. Sprayers. 186,985; July 22.
Lullwater Manufacturing Company, Atlanta, Ga. Men's outer shirts. 186,876; July 22; Serial No. 192,399; published May 6, 1924.
M. & G. Graphic Seal Co., Scranton, Pa. Composition used to protect writing, printing, on legal papers, to prevent alteration thereof. 186,790; July 22; Serial No. 191,614; published Apr. 29, 1924.
Mackechnie Bread Company, Los Angeles, Calif. Bread. 187,066; July 22.
Macri, Salvatore, doing business as Salv-tine Chemical Company, Hoboken, N. J. Medical preparation. 186,605; July 22; Serial No. 190,420; published Apr. 15, 1924.
Macy, R. H., & Co., Inc., New York, N. Y. Ophthalmic lenses. 186,610; July 22; Serial No. 175,362; published Apr. 29, 1924.
Macy, R. H., & Co. Inc., New York, N. Y. Leather and silk gloves. 187,020; July 22.
Madeleine, Red Bank, N. J. Candy. 186,740; July 22; Serial No. 194,558; published May 13, 1924.
Maderight M'f'g Co., New York, N. Y. Pillowcases, sheets, towels, and decorative linens. 186,904; July 22.
Mains & Grebenstein, Inc., New York, N. Y. Cotton piece goods. 187,021; July 22.
Manassas Feed & Milling Co. (See Robertson, Bolling L.)
Mandl, Sigmund, Milwaukee, Wis. Socket wrenches and socket-wrench sets. 186,808; July 22; Serial No. 192,079; published May 13, 1924.

Manhattan Knitting Mills, Inc., New York, N. Y. Sweaters. 186,538; July 22; Serial No. 193,718; published May 6, 1924.
Manler Camps, Inc., New York, N. Y. Printed publication, bulletin, or pamphlet. 186,561; July 22; Serial No. 169,816; published Jan. 1, 1924.
Manley-Nicholls Company, Indianapolis, Ind. Ice and hot-water bottles, syringes, etc. 186,555; July 22; Serial No. 192,982; published May 6, 1924.
Mann Manufacturing Company, San Francisco, Calif. Automobile wrist pins. 187,062; July 22.
Manookian, George J., Mattapan, Mass. Food-can openers. 186,488; July 22; Serial No. 192,137; published May 6, 1924.
Manufacturers Phonograph Co. Inc., New York, N. Y. Phonograph, talking-machine, and radio cabinets. 186,895; July 22; Serial No. 193,845; published May 13, 1924.
Marceau, J. A., Limitée, doing business as Marceau, Montreal, Quebec, Canada. Face powders and creams, toilet waters, rouges, etc. 186,971; July 22; Serial No. 193,605; published May 6, 1924.
Marks, Ada, Beaver Falls, Pa. Face cream. 186,794; July 22; Serial No. 191,712; published Apr. 29, 1924.
Marks Lissberger & Son, Inc., Long Island City, N. Y. Solder. 186,991; July 22.
Marland Refining Company, Ponca City, Okla. Gasoline, naphtha, kerosene, etc. 186,698; July 22; Serial No. 137,537; published Sept. 20, 1921.
Marre, E., & Bro., Oakland, Calif. Canned fruits, vegetables, fish, and oysters, and vinegar. 186,682; July 22; Serial No. 191,028; published Apr. 29, 1924.
Marshall Field & Company, Chicago, Ill. Sanitary napkins, belts, dress protectors, and gauze. 186,542; July 22; Serial No. 194,174; published May 6, 1924.
Marshall Field & Company, Chicago, Ill. Gingham in the piece. 186,594; July 22; Serial No. 193,914; published Apr. 29, 1924.
Marshall Field & Company, Chicago, Ill. Gingham in the piece. 186,745–6; July 22; Serial Nos. 194,175–6; published May 13, 1924.
Martignoni, Dr. Luigi, Genoa, Italy. Apparatus for producing and applying electric currents. 186,502; July 22; Serial No. 192,850; published May 6, 1924.
Martin and Johnson Inc., Boston, Mass. Belts and garters for men's wear. 186,706; July 22; Serial No. 173,052; published May 6, 1924.
Martorelli, Raffaele, New York, N. Y. Fish preserved in oil, canned vegetables, rice, coffee, tea. 186,861; July 22; Serial No. 168,726; published Sept. 25, 1923.
Maspero & Michels, New York, N. Y. Olive oil. 186,715; July 22; Serial No. 187,472; published Apr. 29, 1924.
Massanutten Farms Hatchery, Inc., Harrisonburg, Va. Live poultry. 187,016; July 22.
Matrix Candy Corporation, New York, N. Y. Candy. 186,758; July 22; Serial No. 193,408; published May 6, 1924.
Mauser-Werke Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Sewing machines and attachments. 186,757; July 22; Serial No. 193,468; published May 13, 1924.
May Department Stores Company, The, St. Louis, Mo. Shoes. 187,046; July 22.
Mayson Overstuffed Incorporated, Portland, Oreg. Davenports, sofas, chairs, etc. 186,940; July 22; Serial No. 192,779; published May 13, 1924.
McCandlish, Edward G., Takoma Park, Md. Title of newspaper columns. 186,964; July 22; Serial No. 193,058; published May 13, 1924.
McCoy's Laboratories, Inc., New York, N. Y. Cod-liver oil and cod-liver-oil compound in tablet form. 186,709; July 22; Serial No. 177,566; published Apr. 8, 1924.
McCrumish, Edmund F., doing business as Tidewater Products Company, Duluth, Minn. Solid detergent materials. 186,832; July 22; Serial No. 191,334; published May 13, 1924.
Mebius & Drescher Co., Sacramento, Calif. Canned fruit, fruit salad, grapefruit, and berries, etc. 186,820; July 22; Serial No. 190,200; published May 6, 1924.
Merrell-Soule Company, Syracuse, N. Y. Mincemeat. 186,736; July 22; Serial No. 169,958; published May 6, 1924.
Michaels, L., Inc., Buffalo, N. Y. Hosiery, knitted underwear, pants, and shirts. 186,917; July 22; Serial No. 193,608; published May 6, 1924.
Michelman-Grass Hosiery Co., New York, N. Y. Hosiery. 186,867; July 22; Serial No. 192,713; published May 6, 1924.
Miller, Alice M., doing business as Porto Rican Products Company, Baltimore, Md. Fresh coconuts, fresh and canned grapefruit, green ginger, etc. 186,732; July 22; Serial No. 174,666; published May 13, 1924.
Miller Medical Company, Kansas City, Mo. Liniment. 187,044; July 22.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Men's shirts. 187,052; July 22.
Modern Pure Food Co. Inc., Providence, R. I. Canned malt extract for food purposes. 186,843; July 22; Serial No. 186,849; published May 6, 1924.
Mollie Mayers. (See Zwiebelson, Abraham.)
Monroe, Edward N., Quincy, Ill. Antiseptic preparation for treatment of the skin. 186,995; July 22.
Mooney, W. W., & Sons, to W. W. Mooney & Sons, Incorporated, Columbus, Ind., successors. Harness and saddlery leather. 24,946; renewed July 3, 1924.
Moore & Co. Inc., Worcester, Mass. Hand soap. 186,614; July 22; Serial No. 176,907; published Nov. 13, 1923.
Moore-Lowry Flour Mills Company, The, Wichita and Kansas City, Kans., and Kansas City, Mo. Wheat flour. 186,548; July 22; Serial No. 194,017; published May 6, 1924.
Moore-Lowry Flour Mills Company, The, Wichita and Kansas City, Kans., and Kansas City, Mo. Wheat flour. 186,768; July 22; Serial No. 194,281; published May 13, 1924.
Moore, O. J., Grocer Company, Sioux City, Iowa. Canned fish, fruits, and vegetables, cornstarch, etc. 186,855; July 22; Serial No. 105,361; published May 13, 1924.
Morice Jute Mills, Philadelphia, Pa. Tube cord and box and wrapping twine. 186,902; July 22; Serial No. 193,723; published May 6, 1924.
Munsell, J. Guy, doing business as Munsell's Mineral Food Company, Lincoln, Nebr. Tablets for food purposes only. 186,880; July 22; Serial No. 192,542; published May 6, 1924.
Mustard Cerate Mfg. Co. (See Helt, Hester.)
Myer, Fred, Mason City, Iowa. Treated fibrous material for polishing metals. 186,515; July 22; Serial No. 190,308; published Apr. 29, 1924.
National Soda Service Co. Inc., New York, N. Y. Compound for making cocoa. 186,830; July 22; Serial No. 191,181; published May 13, 1924.
Natures Rival Co., Chicago, Ill. Brassières. 186,951; July 22; Serial No. 192,413; published May 6, 1924.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Evaporated, sterilized, dry, or powdered milk, etc. 186,558; July 22; Serial No. 157,623; published Apr. 29, 1924.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Sterilized natural milk. 186,559; July 22; Serial No. 157,624; published Apr. 29, 1924.
Neue Industrie Werke Hermann Berninghaus. (See Leowenstrin, Hans.)
Neustadter Bros., San Francisco, Calif. Shirts, pants, textile underwear, and knickers. 186,776; July 22; Serial No. 190,804; published May 13, 1924.
New Jersey Optical Co., Newark, N. J. Publication. 186,887; July 22; Serial No. 194,656; published May 13, 1924.
New-Mix Products, Inc., New York, N. Y. Dentifrices. 186,956; July 22; Serial No. 191,714; published Apr. 29, 1924.
New York Cloak & Suit House of Los Angeles, Los Angeles, Calif. Women's, misses', and girls' clothing and undergarments. 187,048; July 22.
New York Mackintosh Clothing Company, New York, N. Y. Cloth outer garments for men, boys, and women. 186,581; July 22; Serial No. 192,577; published Apr. 29, 1924.
New York Tribune, Inc., New York, N. Y. Title of a newspaper column. 186,554; July 22; Serial No. 192,995; published Apr. 29, 1924.
Norse Crown Canning Co. Inc., New York, N. Y. Canned sardines. 186,721–2; July 22; Serial Nos. 185,489–90; published May 6, 1924.
Numsen, Wm., & Sons, Inc., Baltimore, Md. Canned vegetables. 186,891; July 22; Serial No. 194,207; published May 13, 1924.
O. P. Tablet Company. (See Dalton, Marie D.)
Ohio Match Company, The, Wadsworth, Ohio. Matches. 186,690; July 22; Serial No. 189,944; published May 6, 1924.
Oppenheimer & Gross, Philadelphia, Pa. Men's suits and jackets. 186,899; July 22; Serial No. 194,208; published May 13, 1924.
Pabst, Fred. Company, Milwaukee, Wis. Metal pipe nipples. 187,060; July 22.
Pacific Coast Biscuit Company, Seattle, Wash. Candies. 186,735; July 22; Serial No. 171,184; published May 6, 1924.
Palmer Candy Co., Sioux City, Iowa. Candy. 186,798; July 22; Serial No. 192,997; published May 13, 1924.
Pane, Raymond I., doing business as Commercial Glue Co., Chicago, Ill. Glue. 186,586; July 22; Serial No. 193,064; published Apr. 22, 1924.
Panty-Coat Company. (See Botha, Louis.)
Paramount Cream Cheese Co., The, New York, N. Y. Cream cheese. 186,774; July 22; Serial No. 194,658; published May 13, 1924.
Paramount Products Company, Long Island City, N. Y. Prophylactic solution. 186,974; July 22; Serial No. 193,676; published May 6, 1924.
Parfumerie Grenoville. (See Grenoville, Marie M. Richard wve.)
Paul, Jacob D., Evansville, Ind. Face lotion. 186,939; July 22; Serial No. 192,788; published Apr. 29, 1924.
Paxson, Walter R., doing business as W. R. Paxson Co., Jenkintown, Pa. Children's swings and gymnastic apparatus. 186,674; July 22; Serial No. 190,028; published May 6, 1924.
Pennsylvania Bottling and Supply Co., The, Philadelphia, Pa. Ginger ale. 25,648; renewed Dec. 11, 1924.
Perfection Heater & Manufacturing Company, The, Cleveland, Ohio. Exhaust-gas motor-car heaters. 187,041; July 22.
Perry, Hannah O., Darien Center, N. Y. Knitting or crochet hooks and needles. 186,550; July 22; Serial No. 193,679; published Apr. 29, 1924.

Physical Culture Publishing Corporation, New York, N. Y. Monthly magazine. 186,885; July 22; Serial No. 195,071; published May 13, 1924.
Pitkin, O. H., doing business as The Pitkin Company, Kansas City, Mo. Thousand Island and mayonnaise dressing. 186,686; July 22; Serial No. 190,897; published Apr. 29, 1924.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Bacon. 187,023; July 22.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Ham. 187,024; July 22.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Bacon. 187,027; July 22.
Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 186,704; July 22; Serial No. 156,802; published Apr. 29, 1924.
Plenge's Pharmacy Inc., Charleston, S. C. Insect exterminator. 186,978; July 22.
Pomelek, Albert J., New York, N. Y. Enameled metal tile for walls and ceilings. 186,813; July 22; Serial No. 191,716; published May 13, 1924.
Pomerantz, A., & Co., Philadelphia, Pa. Filing cases and cabinets. 186,975; July 22; Serial No. 193,680; published May 13, 1924.
Portner, Robert, Brewing Company, assignor to The Robert Portner Corporation, Alexandria, Va. Lager beer. 23,870; renewed Nov. 28, 1923.
Porto Rican Products Company. (See Miller, Alice M.)
Potash Importing Corporation of America, New York, N. Y. Potash. 186,852; July 22; Serial No. 191,784; published May 13, 1924.
Powell Knitting Company, The, Philadelphia, Pa. Hosiery. 186,642; July 22; Serial No. 166,252; published Jan. 30, 1923.
Prejean, Luke, Lafayette, La. Salve. 186,963; July 22; Serial No. 193,001; published Apr. 29, 1924.
Price Flavoring Extract Company, Chicago, Ill. Jelly powders. 186,912–13; July 22; Serial Nos. 178,470–1; published May 13, 1924.
Pride, W. H., & Co., Bellingham, Wash. Fruit preserves, jam, and jelly, canned fruits and vegetables. 187,032; July 22.
Prospect Sales Co., New York, N. Y. Sweaters. 186,514; July 22; Serial No. 190,651; published May 6, 1924.
Protex Chemical Co., Everett, Pa. Fire-extinguisher apparatus. 186,573; July 22; Serial No. 185,089; published May 6, 1924.
Puffer, H. C., Company, Springfield, Mass. Poultry feeds. 186,773; July 22; Serial No. 194,617; published May 13, 1924.
Purcoxin Company, The, Boston, Mass. Ginger ale. 186,666; July 22; Serial No. 193,067; published May 6, 1924.
Puritas Springs Poultry Farm. (See Schenk, Sylvester J.)
Purity Co-Operative Association, Paterson, N. J. Bread. 187,058; July 22.
Queen Anne Candy Company, Seattle, Wash. Candy and nut confection. 186,771; July 22; Serial No. 194,374; published May 13, 1924.
Quinn-Marshall Company, Lynchburg, Va. Hosiery, sweaters, neckwear, etc. 186,506; July 22; Serial No. 190,030; published May 6, 1924.
Quisenberry Feed Mfg. Co., Kansas City, Mo. Dairy feed. 186,518; July 22; Serial No. 182,995; published May 6, 1924.
Ray, Richard, doing business as Emerson Medicine Company, Kansas City, Mo. Boric and benzoic acid, sassafras bark, etc. 187,050; July 22.
Reed Prentice Co., Worcester, Mass. Lathes, drills, planers, milling machines, cutters, etc. 186,622; July 22; Serial No. 185,314; published Apr. 29, 1924.
Reefer, Eugene J., et al. (See Sullivan, Marguerite, assignor.)
Regal Corset Company, Worcester, Mass. Corsets. 186,781; July 22; Serial No. 191,092; published Apr. 8, 1924.
Regensburg, E., & Sons, New York, N. Y. Cigars. 186,633; July 22; Serial No. 193,625; published May 6, 1924.
Reid-Avery Company, Philadelphia, Pa. Ferrous and nonferrous welding rods. 186,797; July 22; Serial No. 193,123; published May 13, 1924.
Reliance Manufacturing Company, Chicago, Ill. Work shirts. 186,587–8; July 22; Serial Nos. 193,124–5; published Apr. 29, 1924.
Reliance Manufacturing Company, Chicago, Ill. Work shirts. 186,589; July 22; Serial No. 193,127; published Apr. 29, 1924.
Resisto Pipe & Valve Company, Cambridge, Mass. Metal valves for pipe lines, etc. 186,621; July 22; Serial No. 185,841; published Apr. 29, 1924.
Ribbeck, Emile P., doing business as Kream of the Teche Pepper Factory, New Iberia, La. Pepper sauce, gumbo filé, cayenne milled pepper, etc. 186,692; July 22; Serial No. 189,725; published Apr. 29, 1924.
Richards, George, & Company, Chicago, Ill. Electric heating pads. 186,613; July 22; Serial No. 176,762; published Apr. 29, 1924.
Richards, Joshua M., South Boston, Mass. Structural glass. 186,634; July 22; Serial No. 193,858; published May 6, 1924.
Ridge Tool-Machine Company, The, North Ridgeville, Ohio. Hand tools. 186,723; July 22; Serial No. 182,996; published May 13, 1924.
Rigaud, H., doing business as Rigaud, Paris, France, and New York, N. Y. Perfume, toilet waters, face powder, rouge, etc. 186,894; July 22; Serial No. 193,860; published May 6, 1924.
Ripon Knitting Works, Ripon, Wis. Leather gloves and mittens. 186,655; July 22; Serial No. 188,704; published Apr. 22, 1924.
Ritchie, J. A., & Company Inc., Albany, N. Y. Loose-leaf binders. 187,014; July 22.
Riverbank Cannery, Inc., Riverbank, Calif. Canned fruits, vegetables, tomato paste, etc. 186,786; July 22; Serial No. 191,508; published Apr. 29, 1924.
Robertson, Boiling L., doing business as Manassas Feed & Milling Co., Manassas, Va. Corn meal, mill feeds, cracked corn, horse, etc., feed. 186,557; July 22; Serial No. 152,864; published Mar. 27, 1923.
Robinson, A. M., Company, Atlanta, Ga. Hosiery. 186,590; July 22; Serial No. 193,473; published Apr. 29, 1924.
Roddenbery, Walter B., Cairo, Ga. Cane sirup for food purposes. 186,950; July 22; Serial No. 192,431; published Apr. 29, 1924.
Rome Metallic Bedstead Company, Rome, N. Y. Couches, day beds, bed springs, and couch hammocks. 187,030; July 22.
Rome Textile Company, Rome, N. Y. Underwear. 186,868; July 22; Serial No. 192,735; published May 13, 1924.
Root, Ralph C., Brattleboro, Vt. Toilet preparation for skin irritations. 186,792; July 22; Serial No. 191,... published Apr. 29, 1924.
Rosengarten, William, doing business as Goodhold Mfg. Co., Chicago, Ill. Ties. 186,873; July 22; Serial No. 192,272; published May 6, 1924.
Rosenzweig, Joseph, Troy, N. Y. Underwear, shirts, drawers, notions, etc. 186,914; July 22; Serial No. 179,430; published Dec. 4, 1923.
Rosin & Company, Philadelphia, Pa. Chemical preparation. 186,782; July 22; Serial No. 191,407; published Apr. 29, 1924.
Rothstein, Aaron J., doing business as Triangle Thread Mills, New York, N. Y. Mercerized and plain cotton thread. 186,608; July 22; Serial No. 158,450; published May 6, 1924.
Router Manufacturing Co., The, Oshkosh, Wis. Electric handsaws and parts thereof. 187,056–7; July 22.
Rubin, Jennie, doing business as Union Dental Instrument Manufacturing Company, Philadelphia, Pa. Dental burs. 186,543–4; July 2; Serial Nos. 194,128–9; published May 6, 1924.
Rubin, Jennie, doing business as Union Dental Instrument Mfg. Co., Philadelphia, Pa. Dental burs. 186,747; July 22; Serial No. 194,127; published May 13, 1924.
Sacks, Jacob, doing business as Jac. Sacks, Jersey City, N. J. Shoes and spats. 186,641; July 22; Serial No. 164,775; published Apr. 22, 1924.
Saginaw Furniture Shops, Saginaw, Mich., and Chicago, Ill. Beds, dressers, coiffurobes, etc. 187,029; July 22.
Sally Middy Co. Inc., New York, N. Y. Middies, knickers, bloomers, skirts, and trunks. 186,865; July 22; Serial No. 192,196; published May 13, 1924.
Salomon, David, I., doing business as Davel Knitting Mills, Yonkers, N. Y. Ladies' vests, chemises, bloomers, step-ins, and nightgowns. 186,517; July 22; Serial No. 186,449; published May 6, 1924.
Salv-tine Chemical Company. (See Macri, Salvatore.)
Samstag & Hilder Bros., Inc., New York, N. Y. Buttons, safety pins, elastic, snap fasteners, etc. 186,864; July 22; Serial No. 175,325; published Apr. 29, 1924.
Sandifer, Thaddeus N., Washington, D. C. Publications. 186,681; July 22; Serial No. 191,144; published Apr. 29, 1924.
Sanitiva Laboratories, Portland, Oreg. Douche powder. 186,953; July 22; Serial No. 192,197; published Apr. 15, 1924.
Sans, Pearl A., San Francisco, Calif. Women's dresses. 186,524; July 22; Serial No. 169,782; published May 6, 1924.
Schenk, Sylvester J., doing business as Puritas Springs Poultry Farm, Avon Lake, Ohio. Fresh eggs. 187,065; July 22.
Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 187,002; July 22.
Schoedinger, F. O., Columbus, Ohio. Mouth illuminators, stretchers, operating tables, etc. 186,563; July 22; Serial No. 172,179; published May 6, 1924.
Scholl, John, & Bro., Inc., New York, N. Y. Eggs. 186,989; July 22.
Scholl, John, & Bro., Inc., New York, N. Y. Butter. 186,990; July 22.
Schultz, Baujan & Co., Beardstown, Ill. Wheat flour. 186,769; July 22; Serial No. 194,305; published May 13, 1924.
Scott, Charles, London, England. Medicine for dogs and other animals having colds, fevers, etc. 186,714; July 22; Serial No. 186,935; published Apr. 29, 1924.
Seelig, Sam, Co., Los Angeles, Calif. Dried fruits, canned vegetables and olives, and jams. 186,901; July 22; Serial No. 193,684; published May 6, 1924.
Sexton Mfg. Co., Fairfield, Ill., and New York, N. Y. Nainsook combination garments. 186,591; July 22; Serial No. 193,476; published Apr. 29, 1924.

Shaw, Lenora, Memphis, Tenn. Hair oils. 186,988; July 22.
Shaw Shirt Corporation, New York, N. Y. Men's shirts. 187,042; July 22.
Sheffield Pharmacal Company, Chicago, Ill. Skin cream. 187,067; July 22.
Shulman & Sons, New York, N. Y. Toy fans. 186,638; July 22; Serial No. 193,965; published May 6, 1924.
Shulman & Sons, New York, N. Y. Toy phones. 186,639; July 22; Serial No. 193,967; published May 6, 1924.
Sigmund Elsner Company, Red Bank, N. J. Clothing. 186,933; July 22; Serial No. 193,161; published May 13, 1924.
Silverman, M., & Son, Philadelphia, Pa. Dolls. 186,635–7; July 22; Serial Nos. 193,864–6; published May 6, 1924.
Simons, Marvin A., Eureka, Calif. Beverage sold as a soft drink. 187,063; July 22.
Sims, Wythe D., Birmingham, Ala. Hair dressings. 186,699; July 22; Serial No. 148,094; published Dec. 18, 1923.
Sing Wo Kee Co., San Francisco, Calif. Fresh asparagus and lettuce. 186,752; July 22; Serial No. 193,787; published May 6, 1924.
Sipe, James B., & Company, Pittsburgh, Pa. Paste paint. 187,010; July 22.
Slater, Mabel H., New York, N. Y. Dolls. 186,640; July 22; Serial No. 194,027; published May 6, 1924.
Smith, Edward, Packing Co., Buffalo, N. Y. Fresh meats. 186,731; July 22; Serial No. 175,410; published May 6, 1924.
Smith, Edwin B., jr., doing business as Ever-Glow Company, Cleveland, Ohio. Window-cleaning compound. 186,754; July 22; Serial No. 193,735; published May 13, 1924.
Smith-Jackson Company, Newcastle, Ind. Canned goods. 186,984; July 22.
Societa Anonima Bonifiche Pontine, Rome, Italy. Concentrated tomato, tomato sauce, concentrated grapes, etc. 186,915; July 22; Serial No. 180,266; published May 6, 1924.
Sophia Hair Stores Co., Inc., New York, N. Y. Notions. 186,920; July 22; Serial No. 193,547; published May 6, 1924.
Southern Hardwood Lumber Company, St. Louis, Mo. Rough and finished lumber. 186,580; July 22; Serial No. 191,416; published Apr. 29, 1924.
Southern Suspender Company, Edwards, Miss. Suspenders, garters, neckwear, aprons, etc. 187,001; July 22.
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 186,675; July 22; Serial No. 188,279; published Jan. 15, 1924.
Spinner Fruit Corporation, Yakima, Wash. Fresh apples. 186,803; July 22; Serial No. 192,281; published May 6, 1924.
Sprong, Albert G., doing business as Sprong Products Co., Flint, Mich. Paste hand cleaner. 186,756; July 22; Serial No. 193,548; published May 13, 1924.
Standard Motor Products Co., San Francisco, Calif. Cast bearings and bushings. 186,569; July 22; Serial No. 182,774; published May 6, 1924.
Standard Rubber Co. (See Farrell, Thomas A.)
Standard Shoe Making Co., Boston, Mass. Boots and shoes. 186,658; July 22; Serial No. 189,077; published Apr. 29, 1924.
Star Brush Manufacturing Co. Inc., Brooklyn, N. Y. Brushes. 186,667; July 22; Serial No. 192,934; published May 6, 1924.
Star Electric Light Shades Co. (See Chalfin and Blass.)
Stearns, Guyon L., doing business as Stearns Laboratories, Columbus, Ohio. Laxative. 186,955; July 22; Serial No. 191,726; published Apr. 29, 1924.
Stein, Charles, New York, N. Y. Umbrellas and parasols. 187,045; July 22.
Stevens, Frank, Waco, Tex. Underwear. 186,877; July 22; Serial No. 192,440; published May 13, 1924.
Stroock, S., & Company, Inc., New York, N. Y. Llama cloth in the piece. 186,612; July 22; Serial No. 176,433; published May 6, 1924.
Stroock, S., & Company, Inc., New York, N. Y. Cashmere cloth in the piece. 186,615; July 22; Serial No. 176,432; published May 6, 1924.
Stuart, Frank A., Marshall, Mich. Lozenges or tablets for dyspepsia and disorders of digestion. 25,501; renewed Nov. 13, 1924.
Sullivan, Marguerite, doing business as Domino House, assignee to E. J. Reefer, and said Marguerite Sullivan copartners, trading as Domino House, Philadelphia, Pa. Hair-curling fluid. 186,710; July 22; Serial No. 178,882; published Apr. 29, 1924.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Cream, butter, ice cream, ices, cottage cheese. 186,850; July 22; Serial No. 191,579; published May 6, 1924.
Surbrug, John W., doing business as Surbrug Chocolate Corporation, New York, N. Y. Candy. 186,521; July 22; Serial No. 174,220; published Dec. 11, 1923.
Swann Ratcliffe & Co. Ltd., Brassington, near Wirksworth, England. Pulverizing machines. 186,570; July 22; Serial No. 183,421; published May 6, 1924.
Swastica Products Co. (See Goldman, Sigmund L.)
Swift and Company, Chicago, Ill. Oleomargarine. 186,919; July 22; Serial No. 193,552; published May 13, 1924.
Swiss Laboratories Company, Pueblo, Colo. Medicinal preparation for rheumatism, lumbago, etc. 186,993; July 22.
Symons-Moffett Co., Flint, Mich. Cocoa, prepared mustard, pickles, coffee, tea, etc. 186,509; July 22; Serial No. 192,446; published May 6, 1924.
Table Queen Products Company, St. Louis, Mo. Malt sirup for food purposes. 186,536; July 22; Serial No. 193,638; published May 6, 1924.
Tarmina, V., & Co., New Orleans, La. Tomato paste. 186,862; July 22; Serial No. 173,371; published May 13, 1924.
Taylor Corporation, The, Los Angeles, Calif. Canned fruits and vegetables. 186,811–12; July 22; Serial Nos. 191,922–3; published May 6, 1924.
Tennessee Furniture Corporation, Chattanooga, Tenn. Furniture. 186,489–90; July 22; Serial Nos. 192,223–4; published Apr. 29, 1924.
Texas Consumers Company. (See Jakovich, Kuzma D.)
Textile Publishing Company, New York, N. Y. Publication. 186,694; July 22; Serial No. 188,453; published Apr. 29, 1924.
Textile Publishing Company, New York, N. Y. Publication. 186,695; July 22; Serial No. 188,453; published Apr. 29, 1924.
Textile Publishing Company, New York, N. Y. Publication. 186,696; July 22; Serial No. 188,452; published Apr. 29, 1924.
Thermoweve Corporation of America, Los Angeles, Calif. Electrically-heated fabrics, pads, blankets, etc. 186,486; July 22; Serial No. 191,990; published May 6, 1924.
Thermoweve Corporation of America, Los Angeles, Calif. Electrically-heated fabrics, pads, blankets, etc. 186,678; July 22; Serial No. 191,989; published May 6, 1924.
Thexton & Wright, Limited, London, England. Overcoats, jackets, and suits. 186,512; July 22; Serial No. 191,794; published May 6, 1924.
Thomas, Paul A., doing business as The Thomas' Hair Growing Specialists, Chicago, Ill. Scalp ointment. 187,012; July 22.
Thomas, Paul A., doing business as The Thomas' Hair Growing Specialists, Chicago, Ill. Hair tonic and a shampoo. 187,040; July 22.
Thompson-Barlow Co., Inc., New York, N. Y. Foot powder. 186,983; July 22.
Thoshinsky, William, San Francisco, Calif. Mattresses. 186,503; July 22; Serial No. 192,941; published Apr. 29, 1924.
Tidewater Products Company. (See McCrumish, Edmund F.)
Tiedemann, Theo., & Sons, Inc., New York, N. Y. Artificial-silk piece goods. 186,603; July 22; Serial No. 191,855; published Mar. 18, 1924.
Tondeur, René, London, England. Carburetors and parts thereof. 186,562; July 22; Serial No. 169,963; published Apr. 29, 1924.
Trappey, B. F., & Sons, Jeannette, La. Marmalades, fruit preserves, pecan-nut meats, etc. 186,842; July 22; Serial No. 186,205; published May 6, 1924.
Triangle Thread Mills. (See Rothstein, Aaron J.)
True Form Corset Co., Philadelphia, Pa. Corsets and brassières. 186,657; July 22; Serial No. 188,871; published Apr. 29, 1924.
Turner, Earl W., doing business as Turner Manufacturing Company, Kokomo, Ind. Mechanical carburetor controls for internal-combustion engines. 186,494; July 22; Serial No. 192,588; published May 6, 1924.
Tut Manufacturing Company, Los Angeles, Calif. Dolls. 186,645; July 22; Serial No. 178,885; published June 19, 1923.
Twee Chemical Company. (See Williams, J. A.)
Tyer Rubber Company, Andover, Mass. Cigar tips and tobacco pouches of rubber, etc. 186,599; July 22; Serial No. 192,450; published May 6, 1924.
Tyer Rubber Company, Andover, Mass. Druggists' and surgical rubber goods. 186,816; July 22; Serial No. 188,256; published May 13, 1924.
Tyer Rubber Company, Andover, Mass. Bathing shoes and caps. 186,949; July 22; Serial No. 192,448 published May 6, 1924.
Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Hair preparation. 186,954; July 22; Serial No. 191,728; published Apr. 29, 1924.
U. R. S. Candy Stores, Inc., Long Island City, N. Y. Candy. 186,744; July 22; Serial No. 194,309; published May 6, 1924.
U. R. S. Candy Stores, Inc., Long Island City, N. Y. Candy. 186,831; July 22; Serial No. 191,204; published May 6, 1924.
Union Dental Instrument Manufacturing Company. (See Rubin, Jennie.)
Union Dental Instrument Mfg. Co. (See Rubin, Jennie.)
United Fruit Company, Boston, Mass. Dairy products. 186,560; July 22; Serial No. 163,243; published Nov. 20, 1923.
United Hosiery Mills Corp., Chattanooga, Tenn. Hosiery. 186,869; July 22; Serial No. 192,743; published May 6, 1924.
United Sales Corporation of America. (See International Sales Company assignor.)
Upjohn Company, Kalamazoo, Mich. Diuretic elixir. 186,943; July 22; Serial No. 192,744; published Apr. 29, 1924.
Vail, Ed. S., Butterine Co., Chicago, Ill. Oleomargarine. 187,018; July 22.

Valentine's Meat Juice Company, Richmond, Va. Extracts of meat and compounds thereof. 186,909–11; July 22; Serial Nos. 178,077–9; published May 13, 1924.
Van Camp Packing Company, The, Indianapolis, Ind. Canned beans. 186,805; July 22; Serial No. 192,228; published May 6, 1924.
Van Loan & Company, New York, N. Y. Spices. 187,003; July 22, 1924.
Van Ness, Eleanor, Baltimore, Md. Children's blouses and dresses. 186,923; July 22; Serial No. 193,481; published May 6, 1924.
Van Wagenen and Schickhaus Company, Newark, N. J. Sausage. 186,998; July 22.
Viro Company of California, The. (See Duncan, Robert.)
Wag's Chemical Co., Inc., Knoxville, Tenn. Soap. 187,004; July 22.
Wag's Chemical Co. Inc., Knoxville, Tenn. Salve, liver stimulator, etc. 187,008; July 22.
Waltke, Wm., & Co., St. Louis, Mo. Soaps. 187,059; July 22.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Corsets. 186,946; July 22; Serial No. 192,589; published May 6, 1924.
Ward-Owsley Co., Aberdeen, S. Dak. Candy. 186,801; July 22; Serial No. 192,870; published May 13, 1924.
Warner Brothers Company, The, Bridgeport, Conn. Women's fitted garments. 186,716; July 22; Serial No. 189,021; published Apr. 29, 1924.
Warren, Richard S., doing business as Warren-Teed Products Co., Columbus, Ohio. Healing ointment. 186,992; July 22.
Watson & Aven, Little Rock, Ark. Ice-cream confection. 186,689; July 22; Serial No. 190,184; published Apr. 29, 1924.
Weber Costello Co., Chicago Heights, Ill. Map racks and map cases. 186,893; July 22; Serial No. 193,873; published May 13, 1924.
Weber & Heilbroner, New York, N. Y. Men's suits. 186,528; July 22; Serial No. 193,20[illegible]; published May 6, 1924.
Webster, Stella N., Los Angeles, Calif. Dolls. 186,673; July 22; Serial No. 190,040; published May 6, 1924.
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 186,629; July 22; Serial No. 193,011; published May 6, 1924.
Wells and Company, Chicago, Ill. Catalogues, fashion sheets, etc. 186,857; July 22; Serial No. 157,119; published May 6, 1924.
West Michigan Fruit Products Company, Frankfort, Mich. Apple cider. 187,047; July 22.
Western Grocer Company, Marshalltown, Iowa. Dolls. 186,660; July 22; Serial No. 194,234; published May 6, 1924.
Western Lithograph Company, Los Angeles, Calif. Wallets and check-book covers. 186,656; July 22; Serial No. 188,722; published Apr. 22, 1924.
Western Tool and Forge Company, Duluth, Minn. Screw drivers, cold chisels. 186,617; July 22; Serial No. 188,873; published Apr. 29, 1924.
Weston Electrical Instrument Company, Newark, N. J. Electrical measuring instruments. 186,822; July 22; Serial No. 190,367; published May 13, 1924.
White Motor Company, The, Cleveland, Ohio. Internal-combustion engines, carburetors, etc. 186,565; July 22; Serial No. 175,897; published May 6, 1924.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa., New York and Brooklyn, N. Y.; Boston, Mass.; Chicago, Ill.; and Atlanta, Ga. Dental gum or rubber. 24,941; renewed July 3, 1924.
Wicks & Greenman, Utica, N. Y. Boys' clothing. 186,863; July 22; Serial No. 174,351; published Oct. 23, 1923.
Wilcox & Smith, Chicago, Ill. Shampoo. 186,976; July 22; Serial No. 193,602; published May 6, 1924.
Wiley-Bickford-Sweet Company, Worcester, Mass. Knitted worsted dresses, ladies' suits, men's sport coats, and pants. 186,525; July 22; Serial No. 169,105; published May 6, 1924.
Williams, Helen F., & Company, Washington, D. C. Canned soups. 186,809; July 22; Serial No. 192,047; published May 6, 1924.
Williams, J. A., doing business as Twee Chemical Company, Fort Wayne, Ind. Cream to be used as a sunburn remedy and preventive. 186,712; July 22; Serial No. 185,546; published Apr. 1, 1924.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 186,839; July 22; Serial No. 182,526; published Apr. 29, 1924.
Wilson, Ernest, Co., The, San Francisco, Calif. Chocolate-coated candies and fruit. 186,804; July 22; Serial No. 192,292; published May 6, 1924.
Wimberley Grocer Company, Jonesboro, Ark. Canned vegetables, mincemeat, etc. 186,510; July 22; Serial No. 192,048; published May 6, 1924.
Winberg, W. Wm., Wilmette, Ill. Silver polish, straw-hat and fabric cleaners. 186,858; July 22; Serial No. 145,379; published May 22, 1923.
Woerheide, William H., Inc., New York, N. Y. Fastening devices for prepared roofing. 186,730; July 22; Serial No. 176,777; published May 13, 1924.
Woods, Paul, San Francisco, Calif. Beverages sold as soft drinks and sirups and flavoring extracts for making same. 186,817; July 22; Serial No. 189,438; published May 13, 1924.
Woolford, G., Wood Tank Mfg. Company, Camden, N. J., and Philadelphia and Darby, Pa. Wood tanks. 186,583; July 22; Serial No. 192,948; published Apr. 22, 1924.
Yessler, Arthur M., Woodstock, Ill. Tooth paste. 186,997; July 22.
Young, Cecil G. S., doing business as C. G. S. Young Company, Foxboro, Mass. Cleaning powder. 186,753; July 22; Serial No. 193,745; published May 13, 1924.
Zinger, William, Philadelphia, Pa. Insecticide. 187,028; July 22.
Zorro Tobacco Co., Inc., The, New York, N. Y. Smoking tobacco. 186,922; July 22; Serial No. 193,486; published Apr. 22, 1924.
Zwiebelson, Abraham, doing business as Mollie Mayers, New York, N. Y. Brassières and corsets. 186,948; July 22; Serial No. 192,466; published May 6, 192[illegible].

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Allen-Qualley Company, St. Paul, Minn. Handy Packet. For Confectionery. 27,621; July 22.
Aut-O-glo Products Co., Murphysboro, Ill. Aut-O-glo. For Automobile Enamel. 27,622; July 22.
Eagleston, Edward R., doing business as Ever-Gloss Co., Wichita, Kans. Ever-Gloss. For Hair Oil. 27,623; July 22.
Ever-Gloss Co. (See Eagleston, Edward R.)
Feltcraft Company, Inc., Paulsboro, N. J. Sandura. For Floor Coverings. 27,624; July 22.
Ferguson, B. M., & Co. (Not Inc.), Chicago, Ill. Radiokleen Grit Soap. For Detergent Materials, Including Soap. 27,625; July 22.
Franco-Italian Packing Co., Inc., East San Pedro, Calif. Spezia. For Canned Tonno Fish. 27,626; July 22.
Franco-Italian Packing Co., Inc., East San Pedro, Calif. Pyramid. For Canned Tunny Fish. 27,627; July 22.
Healy, John J., Reno, Nev. Jack's Mentolyptine. For a Liniment. 27,629; July 22.
Hovden, K., Co., Monterey, Calif. Hovden. For Canned Cherries. 27,630; July 22.
King, Frank O., Chicago, Ill. Skeezix—School, says Pal, Is not for me. For Writing Tablets. 27,631; July 22.
King, Frank O., Chicago, Ill. Skeezix—Now, Skeezix, you're to start and learn. For Writing Tablets. 27,632; July 22.
Lake Mills Canning Co., Lake Mills, Iowa. Cool Spring (with spring and tree branches). For Canned Golden Bantam Corn. 27,633; July 22.
Lake Mills Canning Co., Lake Mills, Iowa. Leader (with knight on horse). For Canned Country Gentleman Corn. 27,634; July 22.
Milwaukee Lubricants Co. (See Tump, Paul.)
Mouhtouris, James, doing business as J. Mouhtouris, Lynn, Mass. Sappho. For Cigarettes. 27,635; July 22.
O'Keefe's Beverages Limited, Buffalo, N. Y., and Canton, Conn. O'Keefe's Ginger Ale. For Ginger Ale. 27,636; July 22.
Pabst Corporation, Milwaukee, Wis. Pabst Extra Dry. For Ginger Ale. 27,637; July 22.
Palacio, Matias, San Francisco, Calif. Matias Palacio. For Cigars. 27,638; July 22.
Pendleton Woolen Mills, Pendleton, Oreg. Pendleton. For Clothing. 27,639; July 22.
Portage Wholesale Grocery Company, Portage, Wis. Pep. For Rolled Oats. 27,640; July 22.
Schaffer Tinware Mfg. Co., The, Brooklyn, N. Y. Schaffer Lock-Cover Sanitary Garbage Can. For Garbage Receptacles. 27,641; July 22.
Smith, J. H., Turlock, Calif. Peacock. For Melons. 27,642; July 22.
Teall, William S., Tampa, Fla. Marshal Ney. For Cigars. 27,643; July 22.
Trico Fuse Mfg. Co., Milwaukee, Wis. Kantark. For Nonrenewable Fuses, Renewable Fuses, Plug Fuses, Electric Receptacles, and Electric Connectors. 27,644; July 22.
Tump, Paul, doing business as Milwaukee Lubricants Co., Milwaukee, Wis. Pulvite. For a Cleaning Powder. 27,645; July 22.
United States Foil Co., Inc., Louisville, Ky. Silvry-Sleet Tinsel. For Christmas Decorations. 27,646; July 22.
West Bend Cannery, West Bend, Wis. Marathon. For Canned Peas. 27,647; July 22.
Willson Goggles Inc., Reading, Pa. Willson Dustite Respirator. For Respirators. 27,628; July 22.
Wright, Ethel S., Jacksonville, Fla. Flo-Ida Grapefruit Crystallized with Pure Sugar. For Crystallized Grapefruit. 27,648; July 22.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. The Largest Selling Quality Pencil in the World. For Pencils. 7,488; July 22.

Cardinet Candy Co., Oakland, Calif. Baffle Bar Billy. For Candy. 7,489; July 22.

Coca-Cola Company, The Atlanta, Ga. Thirst knows no season. For Soft Drinks. 7,490; July 22.

Congoleum Company, Inc., Philadelphia, Pa. Greatest Sales Rack Ever Invented. For Sales Racks. 7,491; July 22.

Coty, Inc., Wilmington, Del., and New York, N. Y. Parfum "Paris" de Coty. For Eau de Toilette, Face Powder, Compacts, and Talc. 7,492; July 22.

Coty, Inc., Wilmington, Del., and New York, N. Y. Le Talc de Coty. For Powders. 7,493; July 22.

Eaton, Crane & Pike Company, Pittsfield, Mass. You wouldn't discuss your personal affairs before servants. For Eaton's Highland Linen and Crane's Writing Papers. 7,494; July 22.

Eaton, Crane & Pike Company, Pittsfield, Mass. You wouldn't acknowledge Wedding Gifts by telephone. For Eaton's Highland Linen and Crane's Writing Papers. 7,495; July 22.

Eaton, Crane & Pike Company, Pittsfield, Mass. Is your letter paper evidence for the prosecution? For Eaton's Highland Linen and Crane's Writing Papers. 7,496; July 22.

Hartmann Trunk Company, Racine, Wis. Hartmann Cushion Top Wardrobe Trunks. For Wardrobe trunks. 7,497; July 22.

Henderson & Ervin, New York, N. Y., and Norwalk, Conn. Five Models to fit Five Figures. For Underwear. 7,498; July 22.

Henderson & Ervin, New York, N. Y., and Norwalk, Conn. Rockinchair Golf-Tennis Shirt Suit. For Golf-Tennis Shirt Suits. 7,499; July 22.

Oshkosh Overall Company, Oshkosh, Wis. Oshkosh B'Gosh Overalls. For Overalls. 7,500; July 22.

Palmolive Company, The, Chicago, Ill. You Men Are Alike. For Palmolive Shaving Cream. 7,501; July 22.

Silica Gel Products Corporation, The, Baltimore, Md. Silox. For a Prophylactic Antiseptic Dusting Powder, Which is Highly Absorbent and Deodorizing. 7,502; July 22.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Gainsborough Hair Net. For Hair Nets. 7,503; July 22.

Western Company, The. (See Western Bottle Manufacturing Company.)

Williams, J. B., Company, The, Glastonbury, Conn. Williams Aqua Velva (cutout). For Face Lotion. 7,504; July 22.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Mothproof bags. 197,525; July 22.

Absorbent Products Corporation, New York, N. Y. Absorbent fabrics. 196,783; July 22.

Acaricide Laboratories. (See Smyth, George S.)

Adjustable Rack Company, The, Milwaukee, Wis. Adjustable racks for holding books, newspapers, etc. 193,748; July 22.

Aeolian Company, The, New York, N. Y. Assembled radio transmitting and receiving sets. 166,123; July 22.

Aerobelle Company, Worcester, Mass. Shock absorbers. 196,686; July 22.

Allen-Qualley Company, St. Paul, Minn. Candy. 189,999; July 22.

Aloka Chemical Corporation, Chicago, Ill. Paint and enamel remover. 195,853; July 22.

Altman, B., & Co., New York, N. Y. Golf balls, golf clubs, tennis rackets, and tennis balls. 196,044; July 22.

American Bleached Goods Company, New York, N. Y., Chicago, Ill., and St. Louis, Mo. Cotton goods in the piece. 166,337; July 22.

American Bleached Goods Company Inc., New York, N. Y. Cotton piece goods. 176,938; July 22.

American Chemical Works. (See Shapiro, Leo.)

American Kreuger & Toll Corporation, New York, N. Y. Electric-arc lamps. 184,432; July 22.

American Steel Foundries, Chicago, Ill. Carrier irons, etc., used in connection with draft mechanism for railway cars. 185,777; July 22.

American Wholesale Corporation (Baltimore Bargain House), Baltimore and Cumberland, Md. Men's, women's, and children's underwear. 131,099; July 22.

Anaconda Copper Mining Company, New York, N. Y. Finished commutator segments, copper bars and strips, and insulated copper wire. 180,682; July 22.

Anderson, Ira J., Truman, Minn. Soap. 196,045; July 22.

Angelus Sanitary Can Machine Company, Los Angeles, Calif. Can machinery—namely, double seamers, body makers, etc. 196,846; July 22.

Anheuser-Busch, Inc., St. Louis, Mo. Corn sirup. 192,053; July 22.

Ardelean, John P., Aurora, Ill. Lung balsam. 197,857; July 22.

Arnold Stone, Brick & Tile Co., Inc., Jacksonville, Fla. Artificial stone. 195,998; July 22.

Atlanta Barber Supply Co., Atlanta, Ga. Hair tonics and face lotions. 196,636; July 22.

Atlanta Barber Supply Co., Atlanta, Ga. Massage cream. 196,637; July 22.

Atlanta Barber Supply Co., Atlanta, Ga. Antiseptic healing cream. 196,638; July 22.

Atlanta Barber Supply Co., Atlanta, Ga. Hair tonic. 196,639–41; July 22.

Atz, W. E., doing business as H. L. Leibe Company, Newark, N. J. Metal alloy. 195,042; July 22.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Toilet paper. 180,824; July 22.

Auto-Crafts Manufacturing Company, The. (See Government Square Garage Company.)

Automotive Manufacturers Outlet, Inc., New York, N. Y. Automobile generator. 171,748; July 22.

Bankers Economic Service, Inc., New York, N. Y. Magazine or periodical. 195,257; July 22.

Barkhaus, F. W., & Sons, Newcastle, Calif. Fresh deciduous fruit. 196,566; July 22.

Barsa Corporation, The, New York, N. Y. Cotton piece goods. 197,984; July 22.

Bear Cat Hoist Company, The, Muskogee, Okla. Hoisting attachments for tractors. 197,244; July 22.

Beauti-Craft Co., Chicago, Ill. Shampoos. 195,628; July 22.

Beiersdorf, P., & Co. Inc., New York, N. Y. Base for ointments. 197,409; July 22.

Belfit Brassiere Co. Inc., Brooklyn, N. Y. Brassières, brassière corsets, etc. 196,950; July 22.

Bellann Hosiery Mills, Inc., New York, N. Y. Hosiery. 196,568; July 22.

Bellows, Harold C., Bay City, Mich. Gasoline and engine and motor fuel oils. 194,687; July 22.

Benzo-Gas Motor Fuel Company, Kansas City, Mo. Antiknock compound for liquid motor fuel. 196,850; July 22.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Collars, pyjamas, nightrobes, underwear, and shirts. 195,676; July 22.

Beverly Lights Corporation, Providence, R. I. Electric-lighting fixtures, etc. 165,179; July 22.

Big E Laboratories, Denver, Colo. Hairdressing compound. 197,797; July 22.

Binder, Thomas W., doing business as Elec-Rad Company, Trenton, N. J. Variable inductance coils. 195,330; July 22.

Binder, Thomas W., doing business as Elec-Rad Company, Trenton, N. J. Variable condensers. 195,331; July 22.

Blake, Moffitt & Towne, San Francisco, Calif. Paper, envelopes, paper towels, etc. 187,287; July 22.

Blauner Bros. & Co., New York, N. Y. Ladies' and misses' coats and dresses. 176,944; July 22.

Bloomington Canning Co., The, Bloomington, Ill. Canned vegetables. 194,516; July 22.

Blublaze Motor Specialties Corp., Long Island City, N. Y. Ignition timers for internal-combustion engines. 195,630; July 22.

Boott Mills, Lowell, Mass. Woven cotton towels and toweling. 177,163; July 22.

Borgfeldt, George & Co., New York, N. Y. Vacuum bottles. 198,053; July 22.

Borth, William, Baraboo, Wis. Pet-cock-operating tool. 180,466; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bostwick-Batterson Company, The, Philadelphia, Pa. White duck coats, trousers, aprons. 174,506; July 22.

Boyshform Brassière Co., The, New York, N. Y. Brassières. 190,760–1; July 22.

Bradley, Arthur J., San Francisco, Calif. Crab sandwich and shrimp sandwich. 194,782–3; July 22.

British Needle Company Limited, Redditch, England. Needles, crochet hooks, knitting pins, hatpins. 190,401; July 22.

Brooks Paper Company, St. Louis, Mo. Tissue and wax paper, vegetable parchment, paper excelsior and napkins. 195,485; July 22.

Buchbinder, Benjamin, New York, N. Y. Paints and varnishes. 196,290; July 22.

Burgundy, Grape Co. (See Johnson, Henry.)

California Almond Confections Company. (See Prentiss, William, jr.)

California Co-Operative Canneries, San Francisco, Calif. Canned fruits and vegetables. 191,301; July 22.

Carbide & Carbon Chemical Corporation, New York, N. Y. Solvents. 197,656; July 22.

Carlson, Ray A., Chicago, Ill. Periodical publications. 195,864; July 22.

Carrera's Limited, London, England. Smoking, chewing, and snuffing tobacco, cigars, and cigarettes. 194,049; July 22.

Carter Radio Company, Chicago, Ill. Radio equipment. 192,557; July 22.

Caswell, Geo. W., Co., San Francisco, Calif. Coffee. 197,581–2; July 22.

Cello Products Incorporated, New York, N. Y. Waterproofing and seal-forming materials. 182,133; July 22.

Central Shoe Company, St. Louis, Mo. Shoes. 191,528; July 22.

Champion Conserver Company, The, Cincinnati, Ohio. Carbon paper. 189,239; July 22.

Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Periodical. 191,223; July 22.

Chelten Electric Company, Philadelphia, Pa. Neutralizing capacity condensers. 194,785; July 22.

Chelten Electric Company, Philadelphia, Pa. Variable condensers. 194,786; July 22.

Chex Products Co. (See Stein, Harry C.)

Chicago Bridge & Iron Works, Chicago, Ill. Storage tanks. 198,114; July 22.

Chipman Knitting Mills, Easton, Pa. Hosiery. 191,530; July 22.

City Mills Co., Columbus, Ga. Corn meal. 196,233; July 22.

Clark, Fred G., Company, The, Cleveland, Ohio. Lubricating oils and greases. 198,289; July 22.

Clem, George H., doing business as Clem Cream Works, Little Rock, Ark. Ice-cream preparation. 177,165; July 22.

Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 196,333; July 22.

Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 196,365; July 22.

Cluett, Peabody & Co., Inc., Troy, N. Y. Neckties. 195,493; July 22.

Coast Chemical Company, Wilmington, Del., and Glendale, Calif. Pharmaceutical preparations. 197,362; July 22.

Coca-Cola Company, The, Atlanta, Ga. Publications. 197,657; July 22.

Collins-Hencke Candy Co., San Francisco, Calif. Candy. 197,363; July 22.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. 196,235; July 22.

Columbus Washboard Company, The, Columbus, Ohio. Washboards. 195,496; July 22.

Combe Printing Co., St. Joseph, Mo. Writing paper. 197,135; July 22.

Comfort Mfg. Co., Chicago, Ill. Chemical preparation for the treatment of the skin. 197,533; July 22.

Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Inductance coils. 191,224; July 22.

Continental Paper & Bag Mills Corporation, New York, N. Y. Tissue paper for skin-cleaning purposes. 197,416; July 22.

Corkstone Products Corp. (See Rankin, Albert I.)

Corn Products Refining Company, New York, N. Y. Cornstarch and brewers' grits. 194,259; July 22.

Cotter, R. E., Co., San Francisco, Calif. Canned fish. 196,156–7; July 22.

Crampton, John, and Company, Limited, Manchester, England. Rice products. 197,803; July 22.

Crawford-Austin Manufacturing Co., Waco, Tex. Cotton-picker sacks. 198,123; July 22.

Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's bed sheets. 198,124; July 22.

Creative Chemical Company. (See Williams, Edward R.)

Dairymen's League Co-operative Association, Inc., Utica, N. Y. Condensed and evaporated milk. 179,363; July 22.

Dalton, Edward F., Rockville Centre, N. Y. Candy. 197,260; July 22.

Davis Engineering Corporation, Wilmington, Del., and Elizabeth, N. J. Combination gas and water heaters. 196,794; July 22.

Davis, Simon E., & Co., Inc., San Francisco, Calif. Hosiery and shirts. 194,336; July 22.

Deep Drawn Metal Corporation, Brooklyn, N. Y. Meat broilers. 197,138; July 22.

Dehco Enameling Company, The, Kansas City, Mo. Paint solvents, paint enamels, and varnishes. 196,367; July 22.

D'Enchant Company. (See Smith, Fred H.)

De Witt, E. C., & Co. Inc., Chicago, Ill. Medicinal preparation for rheumatism, gout, etc. 197,421; July 22.

Dexter, C. H., & Sons, Inc., Windsor Locks, Conn. Toilet, tissue, and manifold paper. 197,366–7; July 22.

Diamond Match Company, The, Chicago, Ill. Matches. 196,583; July 22.

Distillator, H. L., & Son, Inc., New York, N. Y. Ladies' hats. 196,696; July 22.

Dr. Laboschin-Hageda-Aktiengesellschaft Fabrik Chemische-Pharmaceutischer Präparate, Berlin, Germany. Organic food preparation. 185,930; July 22.

Dr. Reed Liniment Company, Inc., Portland, Ind. Liniment for horse ailments. 197,047; July 22.

Dolly Varden Hat Co. (See Magnus, Eugene E.)

Donelson, Lewis R., jr., doing business as The Donelson Company, Memphis, Tenn. Pancake flour. 197,587; July 22.

Doyle, James A., New York, N. Y. Woolen goods in the piece. 150,062; July 22.

Drescher, Gustav, Halle-on-the-Saale, Germany. Vacuum cleaners and parts thereof. 198,291; July 22.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 198,061; July 22.

Eagle Knitting Mills, Milwaukee, Wis. Spats. 189,362; July 22.

Earl Fruit Company of the Northwest, The, Spokane, Wash. Apples. 184,964; July 22.

Earp-Thomas Cultures Corporation, New York and Long Island City, N. Y. Insecticides and fungicides. 181,063; July 22.

Eatmor Potato Chip Company. (See Shamey, Nicholas J.)

Ecko Products Company, Pittsburgh, Pa. Medical preparation for impotency. 194,265; July 22.

Elder Company, The, Middletown, Conn. Watches, watch movements, etc. 196,517; July 22.

Elec-Rad Company. (See Binder, Thomas W.)

Elgin American Manufacturing Co., Elgin, Ill. Cosmetic containers. 196,010–11; July 22.

Ely & Walker Dry Goods Company, St. Louis, Mo. Satin ribbon in the bolt. 194,987; July 22.

Empire Paper Company, Chicago, Ill. Writing paper. 197,139; July 22.

Endocrine Laboratory. (See Gatlin, James G.)

Equipment Corporation of America, Chicago, Ill. Machines, devices, machinery, and apparatus for making concrete, etc. 163,386; July 22.

Factory Oil Company, The, Akron, Ohio. Gasoline, kerosene, etc. 196,446; July 22.

Factory Oil Company, The, Akron, Ohio. Gasoline, kerosene, etc. 196,450; July 22.

Fair, The, Chicago, Ill. Gum-rubber aprons, rubber household gloves, etc. 179,035; July 22.

Fair, The, Chicago, Ill. Rubber household sheeting. 179,036; July 22.

Fairfax Textile Mills, Inc., New York, N. Y. Broadcloth. 188,191; July 22.

Federal Laboratories, Chicago, Ill. Rat-catching compound. 195,269; July 22.

Federal Oil Company, Minneapolis, Minn. Lubricating oil. 195,270; July 22, 1924.

Federal Oil Company, Minneapolis, Minn. Gasoline. 195,271; July 22.

Ferro-Art Lighting Fixture Co. Inc., The, New York, N. Y. Electric-lighting appliances, fixtures, lamps, and parts thereof. 192,249; July 22.

Ferry Cap & Set Screw Co., The, Cleveland, Ohio. Shackle-bolt nuts. 196,799; July 22.

Fife, A. W., Jacksonville, Fla Preparation for eczema, etc. 197,592; July 22.

Figenbaum, John P., & Co., Mattoon, Ill. Eggs. 196,655; July 22.

Fiorita, Anthony R., Moberly, Mo. Beverage and concentrate for making same. 198,301; July 22.

Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires and rubber tubes therefor. 196,656; July 22.

Fisk Rubber Company, The, Chicopee Falls, Minn. Vehicle tires. 196,657; July 22.

Flexible Steel Lacing Company, Chicago, Ill. Flexible or hinged belt fasteners. 197,734–8; July 22.

Fligel, Benjamin, doing business as Good Form Clothing Co., New York, N. Y. Raincoats and overcoats. 197,142; July 22.

Foot Products Co., The. (See Stein, H. C.)

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 193,815; July 22.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 194,235–6; July 22.

Fox, Fontaine, New York, N. Y. Series of cartoons. 197,740; July 22.

Franklin Baker Company, Hoboken, N. J. Prepared coconut. 197,744; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 197,750; July 22.
Freas, Francis L., Glass Works, Conshohocken, Pa. Hydrometers. 193,227; July 22.
French Cosmetic Mfg. Co., Inc., New Rochelle, N. Y. Toilet powders. 197,269; July 22.
French, J. E., Co., Rockland, Mass. Shoes. 196,700; July 22.
Fried, Mendelson & Company, New York, N. Y. Silk and cotton piece goods and combinations thereof. 194,533; July 22.
Fritzsche Brothers, Inc., New York, N. Y. Flavoring extracts. 197,143; July 22.
Fuller, W. P., & Co., San Francisco, Calif. Varnishes and paints. 190,289–90; July 22.
Fun Shop, Inc., The, New York, N. Y. Motion pictures. 195,880; July 22.
Gano-Downs Clothing Company, The, Denver, Colo. Hosiery. 196,054; July 22.
Gardiner and Lewis, Inc., New York, N. Y. Asphalt. 194,267; July 22.
Garfield Importing Co., Chicago, Ill. Imitation diamonds. 193,164; July 22.
Garland Hosiery Mills. (See Sarfert, Chas.)
Gas Utilities Corporation, Philadelphia, Pa. Automatic gas-fired boilers. 189,972; July 22.
Gateways, Inc., Newport News and Norfolk, Va. Paints, stains, varnish, etc. 194,704; July 22.
Gatlin, James G., doing business as Endocrine Laboratory, St. Louis, Mo. Medicinal preparation. 197,271; July 22.
Gebroeders Jonker, Zuilen, Netherlands. Brushes. 194,858–9; July 22.
General Motors Corporation, Detroit, Mich. Automobile motor vehicles and parts thereof. 195,057; July 22.
General Oil Corporation, Birmingham, Ala. Gasoline and blended motor fuel. 196,913; July 22.
General Radio Company, Cambridge, Mass. Amplifiers, sockets, rheostats, switches, etc. 194,794; July 22.
General Radio Winding Company, New York, N. Y. Radio transmitting and receiving apparatus. 189,714; July 22.
Gibford-Weiffenbach Company, The, doing business as The Habanix Leather Products Company, Adrian, Mich. Belts. 178,661; July 22.
Gilman-Bruette Co., The, Portland, Oreg. Hair tonic. 192,532; July 22.
Gimbel Brothers, New York, New York, N. Y. Face powder, perfumes, etc. 177,842; July 22.
Glater Company, The, Boston, Mass. Grape juice and cider. 197,806; July 22.
Glaser Shoe Company, San Francisco, Calif. Infants' and children's shoes. 197,070; July 22.
Glidden Company, The, Cleveland, Ohio. Paints, varnishes, stains, etc. 195,513; July 22.
Gold + Plus Corp., New York, N. Y. Medicinal compound for pyorrhea. 197,536; July 22.
Good Farm Clothing Co. (See Fligel, Benjamin.)
Goodrich, B. F., Company, The, New York, N. Y. Shoes, boots, and slippers. 179,936; July 22.
Goodrich, William O., Company, Milwaukee, Wis. Linseed oil. 195,818; July 22.
Gordon, William E., doing business as Gordon Specialty Company, New York, N. Y. Liquid finger-nail polish. 178,177; July 22.
Goudey Gum Co., The, Boston, Mass. Chewing gum. 191,271; July 22.
Government Square Garage Company, doing business as The Anto-Crafts Manufacturing Company, Cincinnati Ohio. Radio compound or cement. 190,541; July 22.
Grady, Sarah O., Chicago, Ill. Girdles and corsets. 156,787; July 22.
Graham Sanitarium, Inc., The, Newark, N. J. Laxative and bowel regulator. 197,481; July 22.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Fruit sirup. 196,454; July 22.
Greater Manhattan Knitting Mills, Inc., New York, N. Y. Sweaters. 196,805; July 22.
Greenebaum, Weil & Michels, San Francisco, Calif. Arm bands, suspenders, hosiery and belts. 169,592; July 22.
Greenebaum, Weil & Michels, San Francisco, Calif. Belts, suspenders, etc. 185,018; July 22.
H. & G. Products Company. (See Hanser, George W.)
Habanix Leather Products Company, The. (See Gibford-Weiffenbach Company, The.)
Halbiter's Inc., Los Angeles, Calif. Coats, shirts, sweaters, hats, etc., for men and boys. 193,169; July 22.
Halperin, M. L., Brooklyn, N. Y. Artificial silk piece goods. 197,482; July 22.
Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 197,073; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 176,966; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's leather and fabric shoes. 176,976; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Leather and fabric shoes. 176,977; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 176,982–4; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 176,987; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's leather and fabric shoes. 176,990; July 22.
Hamilton, Brown Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 178,443; July 22.
Hardesty, R., Manufacturing Co., Denver, Colo. Culverts and irrigation pipe and gates, etc. 197,371; July 22.
Hardesty, R., Manufacturing Co., The, Denver, Colo. Sheet iron and sheet-iron products. 197,372; July 22.
Hardware Dealers' Magazine, Inc., New York, N. Y. Articles which appear in the Hardware Dealers' Magazine. 196,341; July 22.
Har-Mel Music Publishing Company, The, Baltimore, Md. Perforated music rolls. 193,460; July 22.
Harris & Frank, Los Angeles, Calif. Suits and coats. 195,640; July 22.
Harris, Samuel A., New York, N. Y. Fountain pens. 195,169; July 22.
Hart Silk Company, San Francisco, Calif. Textiles in the piece. 196,866; July 22.
Hartwell Brothers, Hollywood Station, Memphis, Tenn. Ax, pick, hammer, etc., tool handles. 182,914; July 22.
Hauser, George W., doing business as H. & G. Products Company, Gowrie, Iowa. Preparation for driving away rats and other rodents. 197,813; July 22.
Heacock, James M., doing business as Lemonclenz Mfg. Co., Los Angeles, Calif. Face and massage cream, facial steams, etc. 197,077; July 22.
Hecht Co., The, Washington, D. C., doing business as The Hub, Baltimore, Md. Men's suits. 196,808; July 22.
Heil Co., The, Milwaukee, Wis. Truck bodies. 176,472; July 22.
Helene Manufacturing Co., Scranton, Pa. Ladies' sanitary undergarments. 194,798; July 22.
Heller, B., & Company, Chicago, Ill. Imitation-lemon flavoring compound. 197,539; July 22.
Heller, B., & Company, Chicago, Ill. Imitation-orange flavoring compound. 197,540; July 22.
Hellwig, Edward W., doing business as Mayonnaise Products Co., New York, N. Y. Mayonnaise. 188,555; July 22.
Hendee, George M., Suffield, Conn. Cattle and their dairy products, farm products, poultry and their products. 186,904; July 22.
Higgin's Packing Company, Omaha, Nebr. Hams and bacon. 164,909; July 22.
Hirschberg & Company, New York, N. Y. Hats. 196,660; July 22.
Hoffman Bros., Inc., New York, N. Y. Watches, clocks, etc. 194,921; July 22.
Hohlfeld Manufacturing Company, Philadelphia, Pa. Cloth towels of all sorts, wash rags, face rags, etc. 196,745; July 22.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 197,202–3; July 22.
Hollingshead, W. R., Inc., Binghamton, N. Y. Ironing wax and washing tablets. 181,689; July 22.
Hollingsworth Candy Co., Augusta, Ga. Candy. 177,781; July 22.
Holman, Harry V., doing business as The Holman Clamp Company, Chicago, Ill. Cabinet-makers' clamps. 174,448; July 22.
Hol-som Candy Specialty Co., Baltimore, Md. Candy. 196,459; July 22.
Holt, Paul C., doing business as Restora Polish Company, Boise, Idaho. Liquid polish and oil. 191,487; July 22.
Hood's Candy Company, Seattle, Wash. Candy bars. 193,922; July 22.
Hoof, John C. & Company, Chicago, Ill. Valve tappets. 186,906; July 22.
Hub, The. (See Hecht Co., The.)
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables and dried fruits. 189,003; July 22.
Hunter, H. B., Company, Inc., Norfolk, Va. Beverages sold as soft drinks. 193,461; July 22.
Impression Products Company, Wilmington, Del., and Cornopolis, Pa. Typewriter ribbons. 193,924; July 22.
Independent Industries, Inc., Wilmington, Del., and New York, N. Y. Piece fabrics and ribbons. 194,542; July 22.
Irwin-Phillips Co., Keokuk, Iowa. Work coats, pants, overalls, shirts, etc. 195,292; July 22.
Jacob, H., & Sons, Inc., New York, N. Y. Silk and cotton mixed piece goods, etc. 196,871; July 22.
Jacobson, Benjamin, doing business as Lexington Products Co., Brooklyn, N. Y. Shampoos and rubbing alcohol. 196,460; July 22.
Johnson, Henry, doing business as Burgundy Grape Co., New York, N. Y. Grapejuice. 198,459; July 22.
Journal Company, The, Milwaukee, Wis. Newspaper. 190,789; July 22.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Fresh, pickled, smoked, and cured meats. 182,348; July 22.
Kala Company, Cambridge, Mass. Cold cream. 195,644; July 22.
Kala Company, Cambridge, Mass. Face powders. 195,645; July 22.
Kamion, Aaron, doing business as Kamion Watch Case Co., New York, N. Y. Watchcases. 197,435; July 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Kanu, James J., New York, N. Y. Stencils. 185,659; July 22.
Karlsruher Kunstgewerbliche Werkstätten C. F. Otto Müller G. m. b. H., Karlsruhe, Germany. Electrical apparatus. 197,082; July 22.
Katz & Ogush, Inc., New York, N. Y. Rings, bracelets, watch chains, etc. 195,693; July 22.
Kaufmann Brothers, New York, N. Y. Bandeau for the head. 193,668; July 22.
Keenan, Walter J., Cincinnati, Ohio. Motor fuel. 196,872; July 22.
Kelly, Patrick J., Philadelphia, Pa. Tuning inductances for radiocircuits. 193,837; July 22.
Kemp, J. L., Company, Milwaukee, Wis. Lubricating oil. 190,791; July 22.
Kepec Company, The, Milwaukee, Wis. Protective liquid chemical. 181,690; July 22.
Keystone Piece Dye Works, Paterson, N. J. Piece goods. 198,003; July 22.
King, Mabel C., Baltimore, Md. Preparation for the hair and scalp. 168,040; July 22.
Kinkade, Annie B., Cleveland, Ohio. Hair grower, shampoo cream, and hair pressing oil. 197,944; July 22.
Klauber Bros. & Co., New York, N. Y. Cotton piece goods. 186,382; July 22.
Kleinmark Company, The, Rochester, N. Y. Overcoats. 194,544; July 22.
Knefler-Bates Mfg. Co., Indianapolis, Ind. Corn flour and maize flakes. 197,155; July 22.
Koch, Frederick A., Detroit, Mich. Foot cream. 197,437; July 22.
Koester, William, Davenport, Iowa. Beverages, extracts, and liquors. 182,156; July 22.
Kommel, A. & Sons, New York, N. Y. Gloves; hosiery and underwear for men, women and children corsets, etc. 191,076; July 22.
Kops Brothers, New York, N. Y. Corsets, brassières, and ladies' underwear. 197,085–6; July 22.
Kosmos Photographics, Limited, London and Letchworth, England. Unexposed sensitized photographic films. 196,063; July 22.
Krier Preserving Company, Inc., Belgium, Wis. Canned vegetables. 196,666; July 22.
Kunst & Small Co., New York, N. Y. Wool, wool cloth, worsted and wool, etc., goods in the piece. 197,669; July 22.
La Choy Food Products, Detroit, Mich. Canned food products. 196,392; July 22.
Lady Esther Co., Chicago, Ill. Face powder. 179,538; July 22.
Laewen, John, Mount Joy, Pa. Soldering composition. 180,609; July 22.
Lamparter, Eugene R., Green Lane, Pa. Stomach tonic. 197,946; July 22.
Landau & Steinberg. (See Landau, Bernard.)
Landau, Bernard, doing business as Landau & Steinberg, New York, N. Y. Coats, vests, trousers, and overcoats for juveniles. 197,158; July 22.
Lanvin, Jeanne, Paris, France. Perfumes. 197,604; July 22.
Lee, Hilda, Inc., Lowell, Mass. Deodorant body powders. 195,750; July 22.
Leibe, H. L. Company. (See Atz, W. E.)
Lexington Products Co. (See Jacobson, Benjamin.)
Libby, McNeill & Libby, Chicago, Ill. Bacon, potted ham, etc. 179,477; July 22.
Lieberman Specialty Company, Philadelphia, Pa. Men's and boys' riding breeches. 197,090; July 22.
Lieberman Specialty Company, Philadelphia, Pa. Women's, misses', and girls' riding or service breeches. 197,092; July 22.
Lieberman Specialty Company, Philadelphia, Pa. Ladies', misses', and girls' knickerbockers. 197,093; July 22.
"Liga" Watch Manufactory, Limited, Soleure, Switzerland. Watches, watchcases, watch movements, and parts of same. 195,647; July 22.
Lightnin Lye Co., The, Cleveland, Ohio. Lyes and drain solvents. 196,345; July 22.
Lindsay Chaplet & Manufacturing Company, Philadelphia, Pa. Lawn rakes. 197,440; July 22.
Low, D. W., Los Angeles, Calif. Portable index and filing devices. 196,600; July 22.
Lox Seal Corporation, Brooklyn, N. Y. Pile-wire blades. 197,100; July 22.
Luongo, Vincent J., & Company, Brooklyn, N. Y. Metals for gold metal castings. 196,601; July 22.
Luverne Extract Company, Los Angeles, Calif. Food-flavoring extracts. 193,936; July 22.
MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y. Licorice paste. 196,919; July 22.
MacGlashan, William F., Buffalo, N. Y. Baking powder. 197,206; July 22.
MacMasters, William P., Portland, Oreg. Leaders for fishing lines. 196,962; July 22.
Macy, R. H., & Co., Inc., New York, N. Y. Boys' suits. 177,980; July 22.
Macy, R. H., & Co., Inc., New York, N. Y. Women's hats. 196,394; July 22.
Macy, R. H., & Co., Inc., New York, N. Y. Trunks and bags. 197,545; July 22.
Makrauer, Daniel R., Barber Supply Co., Pittsburgh, Pa. Olive shampoo, witch-hazel, styptic pencils, etc. 196,667; July 22.
McCullough, Frederick S., doing business as F. S. McCullough Laboratories, Wilkinsburg, Pa. Electron tubes. 196,466; July 22.
McDonald & Co. (See Sorda Pharmacy Co.)
McElroy, Robert H., Jr., doing business as R. H. McMcElroy, Jr. & Company, Chicago, Ill. Cleaner and spot remover. 195,065; July 22.
Magnus, Eugene E., doing business as Dolly Varden Hat Co., San Francisco, Calif. Women's hats. 194,115; July 22.
Mah-Jongg Sales Company of America, The, San Francisco, Calif. Game. 176,488; July 22.
Maloney, Anna M., doing business as The Ra-Bo-Na Co., Cincinnati, Ohio. Remedy for affections or disorders of the kidneys, etc., and a laxative pill. 180,612; July 22.
Maltop Inc., Buffalo, N. Y. Food drinks containing malt chocolate flavor. 195,974; July 22.
Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Telephone loud speakers. 190,890; July 22.
Margolyes, Robert L., New York, N. Y. Underwear. 194,013; July 13.
Marinello Company, La Crosse, Wis. Face and talcum powders and toilet water. 186,324; July 22.
Markel, Howard, New York, N. Y. Heading for newspaper articles. 191,441; July 22.
Marnitz, Wm., Co., Milwaukee, Wis. Men's made-to-order suits. 192,080; July 22.
Marshall-Wells Company, Duluth, Minn. Varnish, paints, and finishes. 195,527; July 22.
Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 198,005–8; July 22.
Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 198,010–17; July 22.
Mayonnaise Products Co. (See Hellwig, Edward W.)
Mebius & Drescher Co., Sacramento, Calif. Canned goods, dried fish, vinegar, salad oil, coffee, rice. 190,169; July 22.
Melodyne Company, The, New York, N. Y. Radio receiving sets and parts thereof. 195,755; July 22.
Memucator Co., The. (See Spencer, Howard C.)
Meredith, Ralph B., Lindsay, Calif. Pure pomegranate sirup. 191,495; July 22.
Miami Valley Knitting Mills Company, The, Hamilton, Ohio. Knit underwear for men, women, and children. 197,103; July 22.
Middle West Laboratories, Bloomington, Ill. Throat tablets and a preparation used as an antiseptic, etc. 195,756; July 22.
Mihm, Herman, Pittsburgh, Pa. Malt sirup for food purposes. 185,484; July 22.
Milliken, John T., & Company, St. Louis, Mo. Preparation for bathing and massaging the skin. 176,502; July 22.
Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods. 182,924; July 22.
Millville Manufacturing Company, Philadelphia, Pa. Cotton piece goods. 185,485; July 22.
Mitchell, Ernest I., doing business as The Nu-Del Company, Chicago, Ill. Cream depilatory. 197,949; July 22.
Mme. Isc'Bell's Toilet Mfg. Co. (See Plough Chemical Company.)
Model Brassiere Co. Inc., New York, N. Y. Undergarment for women to be worn as a girdle or figure-retaining garment. 196,065; July 22.
Moomaw, Paul W., Okemah, Okla. Rubbing in oil for external use. 196,252; July 22.
Moon Products Company. (See Simon, Sidney.)
Moore, William R., Dry Goods Company, Memphis, Tenn. Sheetings, sheets, and pillowcases. 197,950; July 22.
Morotock Mfg. Co., Danville, Va. Men's suits. 196,924; July 22.
Mountain City Mill Co., Inc., Chattanooga, Tenn. Plain and self-rising flour. 197,765–6; July 22.
Muffets Company, The. (See Perky, Scott H.)
Munroe Shoe Company, Inc., The, Auburn, Me. Boots, shoes, and slippers. 196,470; July 22.
Muscolino, Joseph, Brooklyn, N. Y. Hair tonic. 197,893; July 22.
Myers Paper Company, Memphis, Tenn. Writing tablets, pencils, crayons, etc. 196,607; July 22.
Myrrh-Lyptol Co., Birmingham, Ala. Antiseptic deodorant and prophylactic mouth wash. 193,611; July 22.
Myrurgia, S. A., Barcelona, Spain. Massage and toilet cream, perfumery, etc. 184,225; July 22.
Nafziger Baking Company, Kansas City, Mo. Bread. 190,309; July 22.
Namm, A. I., & Son, Brooklyn, N. Y. Clothing. 196,069; July 22.
Natures Rival Co., Chicago, Ill. Girdles. 193,613; July 22.
Nelson, William M., Modesto, Calif. Fresh citrous fruits, fresh deciduous fruits, fresh grapes, etc. 197,894; July 22.

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Nestor Johnson Mfg. Co., Chicago, Ill. Ice skates. 197,767; July 22.
Neumann, Leo, Berlin, Germany. Toy. 197,443–4; July 22.
New Brunswick Chemical Company, The, Newark, N. J. Chemicals. 195,430; July 22.
New Williams Mill Company, Inc., North Wilkesboro, N. C. Corn mills and wood saws. 189,911; July 22.
New York Auto and Radio Supply Co., Chicago, Ill. Automobile tires, tubes, valves, valve stems, etc. 196,185; July 22.
New York Blue Print Paper Co., New York, N. Y. Surveying instruments. 193,115; July 22.
Nicholson-Feinberg, Inc., New York, N. Y. Hosiery. 196,614; July 22.
Norris Manufacturing Co., The, Columbus, Ohio. Coin-operated vending machines. 197,616; July 22.
Norton Company, Worcester, Mass. Grinding machines and attachments thereto. 190,514; July 22.
Nu-Del Company, The. (See Mitchell, Ernest I.)
Nusbaum, D., & Co., Union Course, N. Y. Sweaters, bathing suits, knitted mittens, etc. 192,490; July 22.
Ohio Brass Company, The, Mansfield, Ohio. Ears, clamps, and hangers for suspending and supporting trolley wires, cables, etc. 191,565; July 22.
Ohio State Stove & Mfg. Co., The, Columbus, Ohio. Gas heaters. 192,467; July 22.
Old Witch Company, The, Pawling, N. Y. Ammonia. 197,339; July 22.
Orchidew Corporation, New York, N. Y. Cleansing skin lotion. 197,953; July 22.
Oriental Oil Company, Dallas, Tex. Gasoline, lubricating oil, and cup grease. 195,902; July 22.
Oriental Silk Printing Company, Haledon, N. J. Textile fabrics. 197,108; July 22.
Ortega, José M., Addlestone, Surrey, England. Crochet and knitting needles. 180,024; July 22.
Ortega, José M., Addlestone, Surrey, England. Crochet and knitting needles. 180,026; July 22.
Pacific Coast Biscuit Company, Seattle, Wash. Soda crackers and biscuits. 180,719; July 22.
Pacific Coast Biscuit Co., Seattle, Wash. Cake. 190,807; July 22.
Pacific Novelty Company, New York, N. Y. Barrettes. 197,899; July 22.
Pacific Wholesale Grocery Co., Los Angeles, Calif. Canned peaches, canned pears, plums, soup, etc. 196,134; July 22.
Parisian Chocolate Company. (See Vinikow, Joseph.)
Paulais Co., Los Angeles, Calif. Food sirups, candies, etc. 159,277; July 22.
Peerless Coffee Company, Oakland, Calif. Coffee. 170,950; July 22.
Pennzoil Co. Inc., The, Buffalo, N. Y. Lubricants in oil and grease form. 196,135; July 22.
Pep Chemical Co., The, Burbank, Calif. Sulphur liquid compound. 191,280; July 22.
Peri-Lusta, Limited, Leek, England. Artificial-silk thread or yarn. 198,027; July 22.
Perkins, Floyd R., doing business as The Spot Candy Company, Chicago, Ill. Candy. 196,263–70; July 22.
Perky, Scott H., doing business as The Muffets Company, New York, N. Y. Biscuits and patty shells. 179,680; July 22.
Phax Company, The. (See Yockey, Harry C.)
Philadelphia Knitting Mills Company, Philadelphia, Pa. Hosiery. 190,517; July 22.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Sausage, bacon, corned beef, etc. 196,966; July 22.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Lard and bacon. 196,968; July 22.
Pittsburg Waterproof Company, Pittsburgh, Pa. Cotton duck. 189,270; July 22.
Plantier, Dr. L., Annonay, France. Glandular extracts for the treatment of liver disease. 193,726; July 22.
Plastergon Wall Board Co., Buffalo, N. Y. Wood fiber wall board. 195,711–13; July 22.
Plough Chemical Company, doing business as Mme. Isé-Bell's Toilet Mfg. Co., Memphis, Tenn. Toilet preparations. 197,291; July 22.
Pollak Behrens & Company, New York, N. Y. Men's robes. 196,674; July 22.
Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 194,211; July 22.
Polydyne Corporation, New York, N. Y. Radio outfits, devices, and accessories. 194,213; July 22.
Pom-Phona Remedy Co., Helena, Mont. Preparation for hay fever and catarrh. 194,660; July 22.
Prentiss, William, Jr., also doing business as California Almond Confection Company, Long Beach, Calif. Candy, nuts, confections. 194,476; July 22.
Price, William W., Washington, D. C. Title for articles for newspapers. 185,720–1; July 22.
Prince, H. M., Detroit, Mich. Grape juice. 196,928; July 22.
Postman Company, Inc., The, New York, N. Y. Leather gloves. 197,218; July 22.
Purity Baking Co., St. Paul, Minn. Bread, cookies, cake, doughnuts, and toast. 193,307; July 22.
Quinn, Geo. W., doing business as Troyolene Oil Company, San Francisco, Calif. Gasoline and motor oils. 186,926; July 22.
Radio Industries Corporation, New York, N. Y. Telephone receivers and loud talkers for use in radio receiving. 196,258; July 22.
Raisley, John C., New Haven, Conn. Kitchen and table knives and forks. 197,559; July 22.
Randolph & Miller, Clearwater, Fla. Fresh and canned fruits. 187,640; July 22.
Rankin, Albert I., doing business as Corkstone Products Corp., Baltimore, Md. Floor coating. 170,448; July 22.
Rath Packing Company, The, Waterloo, Iowa. Hams and bacon. 193,070; July 22.
Ray, Al., Co., Louisville, Ky. Bicycles. 197,293–4; July 22.
Red Hand Compositions Company Inc., New York, N. Y. Varnish. 197,498; July 22.
Regal Shoe Company, Portland, Me., and Boston, Mass. Boots and shoes. 170,088; July 22.
Remmers Soap Company, The, Cincinnati, Ohio. Soap. 171,590; July 22.
Renkert, Carl M., doing business as A. Renkert & Co., Memphis, Tenn. Disinfectants. 175,679; July 22.
Repetti, Inc., Long Island City, N. Y. Candy. 193,355; July 22.
Republic Varnish Company, Newark, N. J. Dry, paste, and ready-mixed paints, paint enamels, etc. 196,713; July 22.
Research Pharmaceutical Co. (See Ude, Waldemar.)
Restora Polish Company. (See Holt, Paul C.)
Rex Products Co., Inc., Los Angeles, Calif. Machines for making cream depositors for candy and chocolates. 197,049; July 22.
Reyes, Jose E. A., Tampa, Fla. Cigars and cigarettes. 194,947; July 22.
Rieser Company Inc., The, New York, N. Y. Hair nets. 196,075; July 22.
Riker Company, The, Newark, N. J. Belt buckles and buckles and clasps for shoes and slippers. 179,056; July 22.
Roach Tisdale & Co., Minneapolis, Minn. Chocolate bars. 197,561; July 22.
Roanoke Apple Products Co., Roanoke, Va. Vinegar. 184,517; July 22.
Robertson-Cataract Electric Company, Buffalo, N. Y. Vacuum cleaners and attachments. 177,695; July 22.
Rojo Fabian & Co., New York, N. Y. Cotton and woolen piece goods. 196,971; July 22.
Rome Soap Mfg. Co., Rome, N. Y. Soap. 184,103; July 22.
Rones Limited, Holburn, London, England. Card-index system. 180,389; July 22.
Roubaix Mills, Inc., New York, N. Y., and Clinton, Mass. Wool piece goods. 198,154; July 22.
Rowe & Giles Lumber Co., The, Chagrin Falls, Ohio. Garage doors. 196,973; July 22.
Royal Malt & Hops Co., New York, N. Y. Malt sirup. 194,570; July 22.
Royal Poultry Farm, New Lebanon, Ohio. Eggs. 174,801; July 22.
Rusk Oil Co., Philadelphia, Pa. Motor oils and lubricating oils. 196,032; July 22.
Russian Food Products Company, Inc., The, New York, N. Y. Canned caviar. 197,051; July 22.
Ryt-Oyl Lubricants Company, San Francisco, Calif. Lubricating oils, greases, etc. 184,765; July 22.
S & S Novelty Company, The. (See Sampliner, Henry S.)
Saenger Drug Cmpany Inc., Shreveport, La. Medicine for rheumatism, lumbago, etc. 196,351; July 22.
Sampliner, Henry S., doing business as The S & S Novelty Company, Cleveland, Ohio. Table mats. 189,918; July 22.
Sanders, Earl V., Pawnee, Ill. Ironing board. 188,775; July 22.
San-I-Sal Laboratories, Inc., The, Washington, D. C. Weight-reducing bath preparation. 196,932; July 22.
Sarfert, Chas., doing business as Garland Hosiery Mills, Philadelphia, Pa. Infants' and children's stockings. 197,052; July 22.
Scarlett, Wm. G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Clover, grass, field, and forage seed. 181,498; July 22.
Schlecht, Harold G., Palatka, Fla. Gasoline-saving devices for automobile engines. 196,678; July 22.
Schleisner, Solomon, doing business as Schleisner Co., Baltimore, Md. Hosiery. 196,766; July 22.
Schneider, Frank, doing business as B. Schneider & Son, New York, N. Y. Frocks, gowns, and dresses. 169,034; July 22.
Scholes Radio and Manufacturing Corp., New York, N. Y. Ohmic resistances. 170,673; July 22.
Scholl Bros. Salad dressing. 175,327; July 22.
Schrader, Roy L., doing business as Roy L. Schrader Mfg. Co., St. Louis, Mo. Dandruff remedy. 190,412; July 22.
Schuyler, Wilton S., doing business as W. S. Schuyler Manufacturing Company, Cincinnati, Ohio. Accelerators for combustion engines. 180,502; July 22.

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Sears, Roebuck and Co., Chicago, Ill. Corsets. 190,615; July 22.
Sego Milk Products Company, Salt Lake City, Utah. Monthly publication. 195,418; July 22.
Selchow & Richter Company, New York, N. Y. Educational games. 180,343; July 22.
Senelith Ink Company Inc., The, New York, N. Y. Thinning compound for printing inks. 194,880; July 22.
Service Radio Corporation, New York, N. Y. Radio outfits, devices, and accessories. 195,718; July 22.
Shafer, Elmer E., Garrison, Iowa. Liquid welding flux preparation. 196,767; July 22.
Shamey, Nicholas J., doing business as Eatmor Potato Chip Company, Springfield, Mass. Potato chips. 197,836; July 22.
Shapiro, Leo, doing business as American Chemical Works, Minneapolis, Minn. Bedbug exterminator, roach killer powder and ant killer. 179,684; July 22.
Shapleigh Hardware Company, St. Louis, Mo. Lawn mowers. 185,626; July 22.
Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials. 193,545–6; July 22.
Sherwood, Peter V., New York, N. Y. Knitted underwear. 186,528; July 22.
Shumway, Hawk & Thomas, Tulsa, Okla. Ice cream. 194,820; July 22.
Siegel Bros. & Burnstine, New York, N. Y. Coats and suits. 196,624; July 22.
Silica Gel Products Corporation, The, Baltimore, Md. Toilet powder. 197,785; July 22.
Simon, Sidney, doing business as Moon Products Company, New York, N. Y. Preparation for indigestion. 197,562; July 22.
Simons, Marvin A., doing business as Simons Punch and Crush Company, Eureka, Calif. Maltless beverages and sirups for making the same. 197,455–6; July 22.
Simplex Metal Products Corporation, New York, N. Y. Game. 197,342; July 22.
Sipe, James B., & Company, Pittsburgh, Pa. Paste paints. 179,324; July 22.
Sipe, James &., & Company, Pittsburgh, Pa. Ready-mixed paints and paste paints. 179,329; July 22.
Sipe, James B., & Company, Pittsburgh, Pa. Synthetic turpentine. 179,330; July 22.
Sitronx Importing Co. Inc., New York, N. Y. Hair nets. 197,564; July 22.
Slater, C. B., Company, South Braintree, Mass. Boots, shoes, slippers. 194,573; July 22.
Snow, Jack D., New York, N. Y. Stylographic pens. 197,223; July 22.
Smith, Fred H., doing business as D'Enchant Company, Springfield, Mass. Complexion powder. 197,174; July 22.
Smyth, George S., doing business as Acaricide Laboratories, Chicago, Ill. Medicine for itching scalp, dandruff, falling hair, etc. 197,911; July 22.
Soc. An. Fsco. Cinzano & Cia., Turin, Italy. Beverages sold as soft drinks. 180,245; July 22.
Société Commandite Chome & Cie., Lille, France. Toilet soaps. 196,482; July 22.
Société Commandite Chome & Cie., Lille, France. Perfumes, toilet waters, etc. 196,483; July 22.
Solvay Process Company, The, Solvay, N. Y. Chemical cleansing and washing compounds. 194,823; July 22.
Solvay Process Company, The, Solvay, N. Y. Soda ash. 197,840; July 22.
Sords Pharmacy Co., doing business as McDonald & Co., Cleveland, Ohio. Headache powder, liver pills, etc. 197,905; July 22.
Southern Beverage Company, Galveston, Tex. Flavors for foods. 196,938–9; July 22.
South Side Broom Co., Chicago, Ill. Brooms. 196,831; July 22.
Soy Bean, Flour & Oboroebi Mfg. Co., Petaluma, Calif. Shredded lobster. 192,585; July 22.
Spaude & Son, Milwaukee, Wis. Candy. 162,146; July 22.
Spencer, Howard C., doing business as The Memucator Co., Cambridge, Mass. Apertured envelopes and slips of paper. 191,042; July 22.
Spiezl, E. H., San Francisco, Calif. Fresh fruits and vegetables. 196,682; July 22.
Spot Candy Company, The. (See Perkins, Floyd R.)
Spray Engineering Company, Boston, Mass. Pneumatic painting and industrial surface finishing equipment. 189,822; July 22.
Standard Oil Company, San Francisco, Calif. Crankcase drain-plug adapter. 195,720–2; July 22.
Standard Oil Company (New Jersey), Bayonne, N. J. Mineral oil. 197,502; July 22.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 175,967; July 22.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Asphaltic compound for the manufacture of automobile tires, etc. 196,629; July 22.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 197,400; July 22.
Standard Platinum Company, Inc., New York, N. Y. Metallic alloy. 197,690; July 22.
Standard Varnish Works, New York, N. Y. Lacquers. 198,092; July 22.
Star Cement Tray Co., The, San Francisco, Calif. Cement wash trays, tubs, conduits, etc. 192,587; July 22.
Stein, Harry C., doing business as Chex Products Co., New York, N. Y. Toilet waters. 181,787; July 22.
Stein, H. C., doing business as The Foot Products Co., New York, N. Y. Foot toilet waters. 182,776; July 22.
Stein, S., & Co., New York, N. Y. Woolen goods. 196,354; July 22.
Stern, I., & Company, New York, N. Y. Dental amalgam. 168,808; July 22.
Stevens Laboratories, The, Oakland, Calif. Chemical preparation. 197,628; July 22.
Stevens Laboratories, The, Oakland, Calif. Healing salve and antipain balm. 197,629; July 22.
Stimulade Company, The, Savannah, Ga. Beverages sold as soft drinks. 197,177; July 22.
Stone and Forsyth Company, Boston, Mass. Paper crêpe napkins, wrapping papers, and wrapping tissue papers. 196,989; July 22.
Stroock, S., & Company, Inc., New York, N. Y. Fabric in the piece. 188,938–9; July 22.
Sun Chemical Company. (See Wilson, Earl B.)
Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins. 188,389; July 22.
Superior Foundry Supply Company, Pittsburgh, Pa. Purifying flux for metallurgical treatment. 195,201; July 22.
Sussman, Wormser & Co., San Francisco, Calif. Canned figs. 195,465; July 22.
Sweers, Riley, doing business as Riley Sweers Company, Toledo, Ohio. Toothpicks. 179,014; July 22.
Taperite Company, Chicago, Ill. Fingertips. 196,889; July 22.
Taylor Manufacturing Company, Inc., Cambridge, Mass. Pistons. 196,836; July 22.
Tees, John M., doing business as J. M. Tees Company, San Francisco, Calif. Game. 195,724; July 22.
Texas Mill & Elevator Company, Abilene, Tex. Dairy ration, dairy feed, cow feed, etc. 169,427; July 22.
Thompson-Barlow Co., Inc., The, New York, N. Y. Rubber girdles. 191,850; July 22.
Thorpe, Sumner W., Spartanburg, S. C., and Savannah, Ga. Ladies' hats. 196,837; July 22.
Time-O-Stat Corporation, Milwaukee, Wis. Pilot-light controls and igniting devices for burners. 195,924; July 22.
Tissue Company, The, Saugerties, N. Y. Crêpe paper and paper napkins. 197,692; July 22.
Trautman, C. & Company, Cincinnati, Ohio. Leather. 186,301; July 22.
Tribune Company, The, Chicago, Ill. Series of cartoons. 197,507; July 22.
Tribune Company, The, Chicago, Ill. Series of cartoons. 197,514–16; July 22.
Troyolene Oil Company. (See Quinn, Geo. W.)
Turner & Seymour Manufacturing Co., The, Torrington, Conn. Lead-melting pots, hand ladles, and molds. 193,142; July 22.
Ude, Waldemar, doing business as Research Pharmaceutical Co., St. Louis, Mo. Remedy for ivy poisoning. 196,943; July 22.
Ukemco Corporation, New York, N. Y. Cold tablets. 196,993; July 22.
Ukemco Corporation, New York, N. Y. Headache tablets. 196,994; July 22.
Union Paper Company, New York, N. Y. Paper cans. 197,568; July 22.
United Bakeries Corporation, New York, N. Y. Bread. 196,273–7; July 22.
United Last Company, Auburn, Me., and Boston, Mass. Educational device adapted to exhibit shoe sizes. 196,414; July 22.
Universal Milk Company, The, Dover, Del. Evaporated skimmed milk. 196,357; July 22.
Upson Company, The, Lockport, N. Y. Artificial lumber. 141,439; July 22.
Van der Bom, Frans, New York, N. Y. Postage stamps for collectors. 196,631; July 22.
Vassel, William Co., Providence, R. I. Tonic for disorders of the stomach. 195,469; July 22.
Vastal Chemical Company, St. Louis, Mo. Disinfectants, insecticides, etc. 197,307; July 22.
Veritas Remedy Co., Clovis, N. Mex. Preparation for the treatment of catarrhal affections. 197,972; July 22.
Vesuvius Crucible Company, Swissvale, Pa. Crucibles. 180,992; July 22.
Victor Buyers' Commodity Service, Inc., Boston, Mass. Weekly commodity market publication. 188,287; July 22.
Vinikow, Joseph, doing business as Parisian Chocolate Company, Seattle, Wash. Candy bars. 185,945; July 22.
Wafer Products Co., The. (See Weisberger, Joseph.)
Wanawaker, John, Philadelphia, Philadelphia, Pa. Men's, boys', women's, misses', and children's suits, dresses, etc. 196,280; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Warner Brothers Pictures, Inc., New York, N. Y. Motion-picture films. 195,927; July 22.
Washburn Company, The, Worcester, Mass. Tire-chain adjusters. 197,636; July 22.
Washburn Company, The, Worcester, Mass. Lock washers. 197,637–S; July 22.
Washburn Company, The, Worcester, Mass. Tire-chain adjusters. 197,641; July 22.
Washburn Crosby Company, Minneapolis, Minn. Stock and poultry feed. 193,259; July 22.
Wave Radio Corporation, New York, N. Y. Radio transmitting and receiving sets, coils, etc. 193,741; July 22.
Weber Electric Company, Schenectady, N. Y. Incandescent-electric-lamp sockets. 162,224; July 22.
Weidlich Bros. Mfg. Co., The, Bridgeport, Conn. Gold and silver plated table ware, hollow ware and metal-plated articles. 187,785; July 22.
Weil & Jacobs, Inc., New York, N. Y. Ladies', men's, and children's hosiery and underwear, and fabric gloves. 184,535; July 22.
Weisberger, Joseph, doing business as The Wafer Products Co., Jersey City, N. J. Preparation for the treatment of pyorrhea, etc. 197,346; July 22.
Well's Clothing Corporation, Kansas City, Mo. Ready-made men's and boys' clothing. 197,180; July 22.
Westfield River Paper Company, Inc., Russell, Mass., and New York, N. Y. Wrapping and transparent papers. 196,325; July 22.
Wheelan, Robert B., New York, N. Y. Radio loud speakers. 194,830; July 22.
White Coast Packing Co., Cut Off, La. Canned shrimp. 189,926; July 22.
White, Ray B., doing business as R. B. White Co., Big Wells, Tex. Fresh vegetables and wooden hampers for use in shipping same. 195,086; July 22.
Williams, Edward R., doing business as Creative Chemical Company, Pittsburgh, Pa. Chemical compound for preventing and removing scale from boilers, etc. 197,347; July 22.
Williams Oven Mfg. Co., New York, N. Y. Ovens. 174,872; July 22.
Wilmar Manufacturing Company, Philadelphia, Pa. Peanut butter. 196,843; July 22.
Wilmot Castle Company, Rochester, N. Y. Sterilizers for dentists, etc., and bacteriological incubators. 189,875; July 22.
Wilson, Earl B., doing business as Sun Chemical Company, Chicago, Ill. Catamenial bandages. 186,173; July 22.
Wimpfheimer, Charles, Inc., Norwalk, Conn. Hats. 191,154; July 22.
Wisconsin Coffee Company, Stevens Point, Wis. Coffee. 193,977; July 22.
Wonder Portable Dishwasher Company, Oakland, Calif. Electrical dishwashing machines. 194,832; July 22.
Woodrow, James, doing business as James Woodrow & Company, Independence, Kans. Lubricating oils. 196,563; July 22.
World Thread Co., Inc., New York, N. Y. Threads. 197,234; July 22.
Wright, G. F., Steel & Wire Company, Worcester, Mass. Hardware, cloth and poultry netting. 182,951; July 22.
Wright Manufacturing Company, The, Lisbon, Ohio. Hoists. 197,235; July 22.
Wyman, Partridge & Co., Minneapolis, Minn. Ladies' vests, bloomers, chemises, etc. 195,429; July 22.
Yates, Richard T., doing business as Yates Chemical Company, Lynchburg, Va. Salves. 197,057; July 22.
Yockey, Harry C., doing business as The Phax Company, Zellanople, Pa. Laxatives. 197,348; July 22.
Zucker Sons Co., Inc., Elizabeth, N. J. Metal-polishing rouge. 196,844; July 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather harness and saddlery. W. W. Mooney & Sons. 24,946; renewed July 3, 1924.

CLASS 2.

Tanks, Wood. G. Woolford Wood Tank Mfg. Company. 186,583; July 22; Serial No. 192,948; published Apr. 22, 1924.

CLASS 3.

Trunks. Hartmann Trunk Company. 187,007; July 22.
Wallets and checkbook covers. Western Lithograph Company. 186,656; July 22; Serial No. 188,722; published Apr. 22, 1924.

CLASS 4.

Cleaning powder. C. G. S. Young. 186,753; July 22; Serial No. 193,745; published May 13, 1924.
Detergent materials, Solid. E. F. McCrumish. 186,832; July 22; Serial No. 191,334; published May 13, 1924.
Leather, Composition for the treatment of. Feculose Co. of America. 186,879; July 22; Serial No. 192,523; published May 6, 1924.
Paste cleaner for enameled woodwork, etc. Clen-So Company. 186,755; July 22; Serial No. 193,575; published May 13, 1924.
Paste hand cleaner. A. G. Sprong. 186,756; July 22; Serial No. 193,548; published May 13, 1924.
Polishing metals, Treated fibrous material for. F. Myer. 186,515; July 22; Serial No. 190,308; published Apr. 29, 1924.
Silver polish, straw-hat and fabric cleaners. W. W. Winberg. 186,858; July 22; Serial No. 145,379; published May 22, 1923.
Soap. Beaver Soap Company. 186,871; July 22; Serial No. 192,885; published May 6, 1924.
Soap. M. H. Jolivet. 186,844; July 22; Serial No. 187,742; published Apr. 29, 1924.
Soap. Wag's Chemical Co. 187,004; July 22.
Soap. J. B. Williams Company. 186,839; July 22; Serial No. 182,526; published Apr. 29, 1924.
Soap and soap products. Bonded Products Corporation. 187,009; July 22.
Soap, Hand. Moore & Co. 186,614; July 22; Serial No. 176,907; published Nov. 13, 1923.
Soap, Toilet. Graham Bros. & Co. 25,643; renewed Dec. 11, 1924.
Soaps. Crown Supply Company. 186,860; July 22; Serial No. 160,661; published Apr. 29, 1924.
Soaps. Wm. Waltke & Co. 187,059; July 22.
Washing powders, soaps, and cleansing preparations. Kendall Manufacturing Company. 186,760; July 22; Serial No. 193,338; published May 6, 1924.
Washing powders, soaps, and cleansing preparations. Kendall Manufacturing Company. 186,882; July 22; Serial No. 192,626; published May 6, 1924.
Wheels, Polishing. Hanson & Van Winkle Company. 186,936; July 22; Serial No. 192,913; published Apr. 29, 1924.
Window-cleaning compound. E. B. Smith, jr. 186,754; July 22; Serial No. 193,735; published May 13, 1924.
Wipers for machinery, Chemically-treated. Lowell Bleachery. 186,849; July 22; Serial No. 190,600; published Apr. 29, 1924.

CLASS 5.

Glue. R. I. Pane. 186,586; July 22; Serial No. 193,064; published Apr. 22, 1924.

CLASS 6.

Acid, alum, cinnamon bark, etc., Boric. B. Ray. 187,050; July 22.
Acids, alums, nitrocellulose, ethers, etc. E. I. du Pont de Nemours & Company. 186,659; July 22; Serial No. 150,438; published Nov. 28, 1922.
Anodynes. Farbenfabriken vorm. Friedr. Bayer & Co. 186,973; July 22; Serial No. 193,666; published May 6, 1924.
Chemical preparation. Rosin & Company. 186,782; July 22; Serial No. 191,407; published Apr. 29, 1924.
Chemical preparations for destroying blight. Farbenfabriken vorm. Friedr. Bayer & Co. 186,952; July 22; Serial No. 192,822; published Apr. 29, 1924.
Clay, Beauty. Glo-Kami Mfg. & Distributing Co. 186,957; July 22; Serial No. 192,835; published Apr. 29, 1924.
Cleanser, deodorizer, and disinfectant, Domestic. C. E. Hildreth. 186,906; July 22; Serial No. 193,110; published Apr. 29, 1924.
Composition to protect writing and printing on legal papers. M. & G. Graphic Seal Co. 186,790; July 22; Serial No. 191,614; published Apr. 29, 1924.
Compound for destroying boll weevils. P. Koenig. 186,648; July 22; Serial No. 185,758; published Jan. 1, 1924.
Cream, Face. A. Marks. 186,794; July 22; Serial No. 191,712; published Apr. 29, 1924.
Cream, Skin. Sheffield Pharmacal Company. 187,067; July 22.
Cream used as a sunburn remedy and preventive. J. A. Williams. 186,712; July 22; Serial No. 185,546; published Apr. 1, 1924.
Dentifrice. T. A. Buckley. 186,972; July 22; Serial No. 193,660; published May 6, 1924.
Dentrifices. New-Mix Products, Inc. 186,956; July 22; Serial No. 191,714; published Apr. 29, 1924.
Disinfectant, deodorizer, and sterilizer. Haines-Carpenter Company. 186,982; July 22.
Elixir, Diuretic. Upjohn Company. 186,943; July 22; Serial No. 192,744; published Apr. 29, 1924.

Flux. Gazzolo Drug & Chemical Company. 186,793; July 22; Serial No. 191,702; published Apr. 29, 1924.
Foot powder. Thompson-Barlow Co. 186,983; July 22.
Foot tonic. H. L. Adler. 186,960; July 22; Serial No. 192,949; published Apr. 29, 1924.
Hair-curling fluid. M. Sullivan. 186,710; July 22; Serial No. 178,882; published Apr. 29, 1924.
Hairdressing and treatment of scalp, etc., Preparation for use in. J. W. Kleckner. 186,777; July 22; Serial No. 190,842; published May 6, 1924.
Hairdressings. W. D. Sims. 186,699; July 22; Serial No. 148,004; published Dec. 18, 1923.
Hair oils. L. Shaw. 186,988; July 22.
Hair pomade, heart drops, healing balsam, etc. Hollander Bros. Drug Co. 186,987; July 22.
Hair preparation. H. Tyree. 186,954; July 22; Serial No. 191,728; published Apr. 29, 1924.
Hair tonic and a shampoo. P. A. Thomas. 187,040; July 22.
Hair tonics and healing creams. F. A. Gutzmann. 187,051; July 22.
Insect exterminator. Plenge's Pharmacy Inc. 186,978; July 22.
Insecticide. W. Zinger. 187,028; July 22.
Laxative. G. L. Stearns. 186,955; July 22; Serial No. 191,726; published Apr. 29, 1924.
Liniment. Miller Medical Company. 187,044; July 22.
Liquid solution for roup, etc. W. D. Addison. 187,019; July 22.
Lotion, Face. J. D. Paul. 186,939; July 22; Serial No. 192,788; published Apr. 29, 1924.
Lozenges or tablets for dyspepsia and disorders of digestion. F. A. Stuart. 25,501; renewed Nov. 13, 1924.
Lye. Brookman Mfg. Co. 186,938; July 22; Serial No. 192,815; published Apr. 29, 1924.
Medicinal agents to be used against parasites. Farbenfabriken vorm. Friedr. Bayer & Co. 186,789; July 22; Serial No. 191,608; published Apr. 29, 1924.
Medicinal preparation. G. W. Carnrick. 186,961; July 22; Serial No. 192,958; published Apr. 29, 1924.
Medicinal preparation. M. D. Dalton. 186,788; July 22; Serial No. 191,603; published May 6, 1924.
Medicinal preparation. S. Macri. 186,605; July 22; Serial No. 190,420; published Apr. 15, 1924.
Medicinal preparation for rheumatism, lumbago, etc. Swiss Laboratories Company. 186,993; July 22.
Medicine for dogs and other animals. C. Scott. 186,714; July 22; Serial No. 186,935; published Apr. 29, 1924.
Mustard cerate. H. Helt. 187,043; July 22.
Oil and compound, Cod-liver. McCoy's Laboratories, Inc. 186,709; July 22; Serial No. 177,566; published Apr. 8, 1924.
Oils and essences and perfume materials, Essential. E. M. Laning Co. 186,942; July 22; Serial No. 192,771; published Apr. 29, 1924.
Ointment for burns. Accornero & Castaldo. 186,787; July 22; Serial No. 191,516; published Apr. 29, 1924.
Ointment, Healing. R. S. Warren. 186,992; July 22.
Ointment, Scalp. P. A. Thomas. 187,012; July 22.
Ointments. Dr. Kilmer & Co. 25,493; renewed Nov. 13, 1924.
Paratoluene-sulphochloramine. Les Etablissements Poulenc, Frères (Société Anonyme). 186,702; July 22; Serial No. 155,103; published May 6, 1924.
Perfume, eau de Cologne, rouge, etc. P. Heymann. 187,037; July 22.
Perfume, toilet water, face powder, etc. M. M. Richard vve. Grenoville. 186,965; July 22; Serial No. 193,108; published Apr. 29, 1924.
Perfume, toilet water, face powder, rouge, etc. H. Ricaud. 186,894; July 22; Serial No. 193,860; published May 6, 1924.
Pharmaceutical preparations. George C. Frye Company. 186,779; July 22; Serial No. 191,069; published May 6, 1924.
Pharmaceutical preparations. George C. Frye Company. 186,780; July 22; Serial No. 191,071; published May 6, 1924.
Pills. Frasier, Thornton & Co. 186,701; July 22; Serial No. 152,744; published Dec. 25, 1923.
Pills. C. I. Hood & Co. 24,865; renewed June 12, 1924.
Powder, Douche. Sanitiva Laboratories. 186,953; July 22; Serial No. 192,197; published Apr. 15, 1924.
Powder, perfume extracts, etc., Rice. M. Babani. 186,979; July 22.
Powders and creams, toilet waters, etc., Face. J. A. Marceau, Limitée. 186,971; July 22; Serial No. 193,605; published May 6, 1924.
Powders and rouges, Face. Lionel Trading Co. 186,707; July 22; Serial No. 173,511; published Apr. 29, 1924.
Powders, rouges, face creams, and lotions, Toilet. Collins-Kirk, Inc. 186,778; July 22; Serial No. 191,008; published Apr. 15, 1924.
Preparation for removing corns and calli. L. Lewis. 186,941; July 22; Serial No. 192,775; published Apr. 29, 1924.
Preparation for the skin. E. N. Monroe. 186,995; July 22.
Preparations for the feet. Arrowsmith Manufacturing Company. 186,958; July 22; Serial No. 192,879; published Apr. 29, 1924.
Prophylactic solution. Paramount Products Company. 186,974; July 22; Serial No. 193,676; published May 6, 1924.

Remedies. Dr. Kilmer & Co. 25,455; renewed Nov. 6, 1924.
Remedies. Dr. Kilmer & Co. 25,494; renewed Nov. 13, 1924.
Remedies. Dr. Kilmer & Co. 25,637; renewed Dec. 11, 1924.
Remedy for skin diseases. Chemische Fabrik Marienfelde, G. m. b. H. 187,033; July 22.
Rust remover, Chemical. Brillo Manufacturing Company. 186,959; July 22; Serial No. 192,889; published Apr. 29, 1924.
Salicyl-dioxy-isobutyrate of propyl. Les Etablissements Poulenc Frères (Société Anonyme). 186,703; July 22; Serial No. 155,105; published May 6, 1924.
Salt. Carey Salt Company. 186,970; July 22; Serial No. 193,571; published May 6, 1924.
Salve. J. Groulx. 186,791; July 22; Serial No. 191,618; published Apr. 29, 1924.
Salve. L. Prejean. 186,963; July 22; Serial No. 193,001; published Apr. 29, 1924.
Salve, liver stimulator, etc. Wag's Chemical Co. 187,068; July 22.
Salve, Medicinal. P. J. Joyce. 186,996; July 22.
Shampoo. Wilcox & Smith. 186,976; July 22; Serial No. 193,692; published May 6, 1924.
Solvent. W. J. Huff. 186,962; July 22; Serial No. 192,978; published Apr. 29, 1924.
Tablets, Medicinal. Antikamnia Chemical Company. 25,097–9; renewed Aug. 7, 1924.
Toilet preparation. R. C. Root. 186,792; July 22; Serial No. 191,643; published Apr. 29, 1924.
Tooth paste. A. M. Yessler. 186,997; July 22.
Tooth paste and antiseptic. Char-Tex Company. 186,788; July 22; Serial No. 191,473; published Apr. 29, 1924.

CLASS 7.

Cord and box and wrapping twine, Tube. Morice Jute Mills. 186,902; July 22; Serial No. 193,723; published May 6, 1924.
Twine. J. E. Barbour Company. 186,851; July 22; Serial No. 191,664; published May 6, 1924.
Twine, Cotton sail. American Net & Twine Co. 25,242; renewed Sept. 18, 1924.
Twine, rope, string, and cordage. Schermerhorn Bros. Co. 187,002; July 22.

CLASS 8.

Cigar tips and tobacco pouches of rubber, etc. Tyer Rubber Company. 186,599; July 22; Serial No. 192,450; published May 6, 1924.

CLASS 9.

Dynamite. Illinois Powder Mfg. Co. 187,006; July 22.
Matches. Ohio Match Company. 186,690; July 22; Serial No. 189,944; published May 6, 1924.
Pistols, rifles, and ammunition. D. W. M. Arms & Ammunition Corporation. 186,604; July 22; Serial No. 191,369; published May 6, 1924.

CLASS 10.

Agricultural and horticultural purposes, Dung or basic slag for. Comptoir Metallurgique Luxembourgeois. 186,571; July 22; Serial No. 183,872; published May 6, 1924.
Potash. Potash Importing Corporation of America. 186,852; July 22; Serial No. 191,784; published May 13, 1924.

CLASS 11.

Typewriter ribbon. American Writing Machine Company. 25,119; renewed Aug. 14, 1924.

CLASS 12.

Buildings, industrial plants, power houses, etc., Standard factory. Austin Company. 186,643; July 22; Serial No. 172,823; published Apr. 29, 1924.
Lumber. Southern Hardwood Lumber Company. 186,580; July 22; Serial No. 191,416; published Apr. 29, 1924.
Plastic cement. Armstrong Company. 186,593; July 22; Serial No. 193,495; published Apr. 29, 1924.
Plastic composition for stucco. Alphastone Composition Works. 186,592; July 22; Serial No. 193,489; published Apr. 29, 1924.
Tile, wall furring and coping, flue lining. American Clay Products Company. 186,582; July 22; Serial No. 192,874; published Apr. 29, 1924.

CLASS 13.

Bathroom fixtures. Fairfacts Company. 186,728; July 22; Serial No. 179,093; published May 13, 1924.
Bolts. Lamson & Sessions Company. 186,609; July 22; Serial No. 166,745; published Feb. 13, 1923.
Cooking utensils, Cast-iron. Favorite Stove & Range Co. 186,932; July 22; Serial No. 193,220; published May 13, 1924.
Faucets. Cordley & Hayes. 185,980; July 22.
Hanger and furring inserts. Goldsmith Metal Lath Company. 186,505; July 22; Serial No. 192,972; published May 6, 1924.
Nails. Charles F. Baker & Co. 25,477; renewed Nov. 6, 1924.
Nipples, Metal pipe. Fred Pabst Company. 187,060; July 22.

Roofing, Fastening devices for prepared. W. H. Woerheide, Inc. 186,730; July 22; Serial No. 176,777; published May 13, 1924.
Screens, Fly. Cincinnati Fly Screen Company. 186,597; July 22; Serial No. 192,603; published Apr. 29, 1924.
Screws, nails, hooks, etc., in metal, stone, etc., Sleeves of elastic material for securing. H. Loewenstrin. 186,693; July 22; Serial No. 188,966; published May 6, 1924.
Tile, Metal. A. J. Pomelek. 186,813; July 22; Serial No. 191,716; published May 13, 1924.
Toilet-seat operating and cushioning devices. Diamond Sanilift Company. 186,697; July 22; Serial No. 191,262; published May 6, 1924.
Towel bars, toilet-paper and toothbrush holders, etc. Home Accessories Corporation 186,492; July 22; Serial No. 192,534; published May 6, 1924.
Valves for pipe lines, etc., metal pipes and metal pipe fittings. Metal Resisto Pipe & Valve Company. 186,621; July 22; Serial No. 185,841; published Apr. 29, 1924.
Valves, urinal valves, urinal spreaders, etc., Flush. Hedges & Brother. 186,591; July 22; Serial No. 178,696; published Nov. 13, 1923.

CLASS 14.

Bearing alloys. American injector Company. 186,616; July 22; Serial No. 173,341; published Feb. 6, 1923.
Castings, Composite metal. Kinite Company. 186,572; July 22; Serial No. 184,081; published May 6, 1924.
Railway frogs. American Flange Frog and Railway Improvement Company. 187,053; July 22.
Solder. Marks Lissberger & Son, Inc. 186,991; July 22
Welding rods, Ferrous and nonferrous. Reid-Avery Company. 186,797; July 22; Serial No. 193,123; published May 13, 1924.

CLASS 15.

Gasoline, naphtha, kerosene, etc. Marland Refining Company. 186,698; July 22; Serial No. 137,537; published Sept. 20, 1921.

CLASS 16.

Paint, Paste. James B. Sipe & Company. 187,010; July 22.
Putty. Baker Paint & Varnish Co. 186,986; July 22.

CLASS 17.

Cigarettes. S. Benaderet. 186,661; July 22; Serial No. 194,156; published May 6, 1924.
Cigars. E. Regensburg & Sons. 186,633; July 22; Serial No. 193,625; published May 6, 1924.
Tobacco, Smoking. J. G. Flynt Tobacco Co. 186,623; July 22; Serial No. 182,967; published May 6, 1924.
Tobacco, Smoking. Zorro Tobacco Co. 186,922; July 22; Serial No. 193,486; published Apr. 22, 1924.

CLASS 19.

Car beaters, Exhaust-gas motor-. Perfection Heater & Manufacturing Company. 187,041; July 22.

CLASS 21.

Handsaws and parts thereof, Electric. Router Manufacturing Company. 187,056–7; July 22.

CLASS 22.

Balls, Golf. Crawford, McGregor and Canby Company. 186,600; July 22; Serial No. 192,311; published May 6, 1924.
Dolls. M. Silverman & Son. 186,635–7; July 22; Serial No. 193,864–6; published May 6, 1924.
Dolls. M. H. Slater. 186,640; July 22; Serial No. 194,027; published May 6, 1924.
Dolls. Tut Manufacturing Company. 186,645; July 22; Serial No. 178,885; published June 19, 1923.
Dolls. S. N. Webster. 186,673; July 22; Serial No. 190,040; published May 6, 1924.
Dolls. Western Grocer Company. 186,660; July 22; Serial No. 194,234; published May 6, 1924.
Game. Alderman, Fairchild Company. 186,626; July 22; Serial No. 192,811; published May 6, 1924.
Game, Chance. L. N. Hall. 186,631; July 22; Serial No. 193,282; published May 6, 1924.
Golf and croquet, billiard, pyramid, snooker, pool, and bagatelle balls and other balls. Bonzoline Manufacturing Company Limited. 186,625; July 22; Serial No. 190,077; published May 6, 1924.
Golf clubs. Crawford, McGregor and Canby Company. 186,601; July 22; Serial No. 192,310; published May 6, 1924.
Golf clubs. Crawford, McGregor and Canby Company. 186,670; July 22; Serial No. 192,309; published May 6, 1924.
Swings and gymnastic apparatus, Children's. W. R. Paxson. 186,674; July 22; Serial No. 190,028; published May 6, 1924.
Toy fans. Shulman & Sons. 186,638; July 22; Serial No. 193,965; published May 6, 1924.
Toy figures. H. R. Garis. 186,632; July 22; Serial No. 193,453; published May 6, 1924.
Toy phones. Shulman & Sons. 186,639; July 22; Serial No. 193,967; published May 6, 1924.
Toys, Electrical. Knapp Electric Corporation. 187,049; July 22.

CLASS 23.

Adzes, axes, hammers, etc. Kelley Axe Mfg. Co. 186,977; July 22; Serial No. 186,135; published May 13, 1924.
Agricultural hand implements. American Fork & Hoe Company. 187,061; July 22.
Automobile wrist pins. Mann Manufacturing Company. 187,062; July 22.
Bearings and bushings, Cast. Standard Motor Products Co. 186,569; July 22; Serial No. 182,774; published May 6, 1924.
Can openers, Food-. G. J. Manookian. 186,488; July 22; Serial No. 192,137; published May 6, 1924.
Carburetors and parts thereof. R. Tondeur. 186,562; July 22; Serial No. 169,963; published Apr. 29, 1924.
Corn-popping machines. O. S. Keene. 186,618; July 22; Serial No. 188,312; published Apr. 29, 1924.
Engines, carburetors, etc., Internal-combustion. White Motor Company. 186,565; July 22; Serial No. 175,897; published May 6, 1924.
Engines, Mechanical carburetor control for internal-combustion. E. W. Turner. 186,494; July 22; Serial No. 192,588; published May 6, 1924.
Files and rasps. Arcade File Works. 186,935; July 22; Serial No. 192,953; published May 13, 1924.
Fire-extinguisher apparatus. Protex Chemical Co. 186,573; July 22; Serial No. 185,089; published May 6, 1924.
Fire-extinguishing apparatus. Walter Kidde & Company. 186,814; July 22; Serial No. 191,627; published May 13, 1924.
Gears, Machine. Kauffman Metal Products Co. 187,055; July 22.
Grinding machines, Razor-blade-. Handelsfirmaet "Bello" ved Harms & Jennow. 186,688; July 22; Serial No. 190,639; published May 6, 1924.
Horses or automobile supports. Garage Utilities Co. 186,691; July 22; Serial No. 189,773; published Apr. 22, 1924.
Lathes, drills, planers, milling machines, cutters, etc. Reed Prentice Co. 186,622; July 22; Serial No. 185,314; published Apr. 29, 1924.
Lubricators, journal bearings, etc., Locomotive. Edna Brass Mfg. Co. 186,720; July 22; Serial No. 187,304; published May 13, 1924.
Lubricators, lubricator manifolds, and fittings, Manifold. Keystone Lubricating Company. 186,683; July 22; Serial No. 191,024; published May 6, 1924.
Milking machines. Burton Page Company. 186,567; July 22; Serial No. 177,071; published May 6, 1924.
Milking machines and parts thereof and vacuum pumps. D. H. Burrell & Co. 186,495; July 22; Serial No. 192,596; published May 6, 1924.
Packaging machines. Gordan Machine Company. 186,800; July 22; Serial No. 192,911; published May 13, 1924.
Paints, Apparatus for applying. Eclipse Air Brush Company. 186,493; July 22; Serial No. 192,565; published May 6, 1924.
Printing machines. International Intaglio Corporation. 186,568; July 22; Serial No. 182,588; published May 6, 1924.
Pulverizing machines. Swann Ratcliffe & Co. Ltd. 186,570; July 22; Serial No. 183,421; published May 6, 1924.
Road machines. Austin Manufacturing Co. 186,759; July 22; Serial No. 193,377; published May 13, 1924.
Screw drivers, cold chisels, punches. Western Tool and Forge Company. 186,617; July 22; Serial No. 188,873; published Apr. 29, 1924.
Sewing machines and attachments. Mauser-Werke Aktiengesellschaft. 186,757; July 22; Serial No. 193,468; published May 13, 1924.
Sharpener, Knife and scissors. C. K. Goldberg. 186,598; July 22; Serial No. 192,325; published Apr. 29, 1924.
Shoe-shining machines. Automatic Shoe Shiner Corporation. 186,795; July 22; Serial No. 193,318; published May 13, 1924.
Sprayers. Lowell Specialty Company. 186,985; July 22.
Tools, Hand. Ridge Tool-Machine Company. 186,723; July 22; Serial No. 182,996; published May 13, 1924.
Wagon loaders. George Haiss Manufacturing Company. 186,981; July 22.
Wrenches and socket-wrench sets, Socket. S. Mandl. 186,808; July 22; Serial No. 192,079; published May 13, 1924.

CLASS 26.

Babcock testers and test outfits, milk testers, etc. D. H. Burrell & Co. 186,496; July 22; Serial No. 192,597; published May 6, 1924.
Gauges, Auto-Meter Co. 186,818; July 22; Serial No. 189,653; published May 13, 1924.
Kiln controllers, Dry-. Humidity Control Company. 186,620; July 22; Serial No. 186,061; published Apr. 29, 1924.
Lenses, Ophthalmic. R. H. Macy & Co. 186,610; July 22; Serial No. 175,362; published Apr. 29, 1924.
Measuring instruments, Electrical. Weston Electrical Instrument Company. 186,822; July 22; Serial No. 190,367; published May 13, 1924.

Thermometers and hydrometers. Wm. Hiergesell & Sons. 186,602; July 22; Serial No. 192,121; published Apr. 29, 1924.

CLASS 27.

Clocks. Wm. L. Gilbert Clock Company. 25,569; renewed Dec. 4, 1924.

CLASS 28.

Buttons, Collar and cuff. R. Benedict. 25,041; renewed July 24, 1924.

CLASS 29.

Brooms and brushes. Boone, Dickinson and Dickinson. 186,669; July 22; Serial No. 192,887; published May 6, 1924.
Brushes. J. C. Dowd & Co. 186,668; July 22; Serial No. 192,899; published May 6, 1924.
Brushes. Star Brush Manufacturing Co. 186,667; July 22; Serial No. 192,934; published May 6, 1924.
Dust cloth. Dustall Products Company. 186,672; July 22; Serial No. 191,878; published May 6, 1924.
Powder puffs. S. Glemby's Sons Co. 186,662; July 22; Serial No. 193,334; published May 6, 1924.
Powder puffs. S. Glemby's Sons Co. 186,663; July 22; Serial No. 193,105; published May 6, 1924.
Powder puffs. S. Glemby's Sons Co. 186,664; July 22; Serial No. 193,103; published May 6, 1924.
Powder puffs. S. Glemby's Sons Co. 186,665; July 22; Serial No. 193,101; published May 6, 1924.

CLASS 32.

Beds, dressers, chiffonrobes, etc. Saginaw Furniture Shops. 187,029; July 22.
Book ends. Gift House, Inc. 186,717; July 22; Serial No. 189,308; published May 13, 1924.
Couches, day beds, bed springs, and couch hammocks. Rome Metallic Bedstead Company. 187,030; July 22.
Davenports, sofas, chairs, etc. Mayson Overstuffed Incorporated. 186,940; July 22; Serial No. 192,779; published May 13, 1924.
Filing cases and cabinets. A. Pomerantz & Co. 186,975; July 22; Serial No. 193,680; published May 13, 1924.
Furniture, Tennessee Furniture Corporation. 186,489–90; July 22; Serial Nos. 192,223–4; published Apr. 29, 1924.
Furniture, Household. Kelton Aurand Manufacturing Co. 186,687; July 22; Serial No. 190,688; published Apr. 29, 1924.
Map racks and map cases. Weber Costello Co. 186,893; July 22; Serial No. 193,873; published May 13, 1924.
Mattresses. W. Thoshinsky. 186,503; July 22; Serial No. 192,041; published Apr. 29, 1924.
Mattresses, spring beds, couches, etc. C. O. Hasselbarth. 186,892; July 22; Serial No. 193,921; published May 13, 1924.
Mirrors and picture frames, Toilet. J. C. Dowd & Co. 186,872; July 22; Serial No. 192,900; published May 6, 1924.
Phonograph, talking-machine, and radio cabinets. Manufacturers Phonograph Co., Inc. 186,895; July 22; Serial No. 193,845; published May 13, 1924.
Radio receiving sets, Cabinets for. Bay View Furniture Co. 186,684; July 22; Serial No. 190,996; published Apr. 29, 1924.
Tables, Folding. Ferguson Brothers Manufacturing Company. 186,908; July 22; Serial No. 176,076; published May 6, 1924.

CLASS 33.

Glass, Structural. J. M. Richards. 186,634; July 22; Serial No. 193,858; published May 6, 1924.
Glasses, bowls, and jars, Drinking. Brillo Manufacturing Company. 186,628; July 22; Serial No. 192,893; published May 6, 1924.
Lamp shades, Glass. Chalfin and Blass. 186,611; July 22; Serial No. 175,463; published May 6, 1924.

CLASS 37.

Binders, Loose-leaf. J. A. Ritchie & Company. 187,014; July 22.
Paper. Coy, Hunt and Company. 187,031; July 22.
Paper, Wrapping. Fisher Bros. Paper Co. 187,015; July 22.
Pencils. A. S. Crumpton. 186,874; July 22; Serial No. 192,366; published Apr. 22, 1924.
Stencil sheets and copying paper. W. Koreska. 186,647; July 22; Serial No. 180,070; published Apr. 8, 1924.

CLASS 38.

Books. H. H. Downing. 186,551; July 22; Serial No. 193,603; published Apr. 29, 1924.
Cartoons. International Feature Service, Inc. 186,928–31; July 22; Serial Nos. 193,287–90; published May 6, 1924.
Cartoons. King Features Syndicate, Inc. 186,927; July 22; Serial No. 193,294; published May 6, 1924.
Cartoons. King Features Syndicate, Inc. 186,967; July 22; Serial No. 193,295; published May 13, 1924.
Cartoons, Series of. Bell Syndicate, Inc. 186,498; July 22; Serial No. 192,661; published Apr. 29, 1924.
Catalogues, fashion sheets, etc. Wells and Company. 186,857; July 22; Serial No. 157,119; published May 6, 1924.
House organ. W. Lewis and Company. 186,500; July 22; Serial No. 192,773; published Apr. 29, 1924.
Illustrations, Series of. W. Lewis and Company. 186,501; July 22; Serial No. 192,774; published Apr. 29, 1924.
Magazine. Dell Publishing Co. 186,945; July 22; Serial No. 192,606; published May 13, 1924.
Magazine, Monthly. Blanchard Press, Inc. 186,499; July 22; Serial No. 192,668; published Apr. 29, 1924.
Magazine, Monthly. Physical Culture Publishing Corporation. 186,885; July 22; Serial No. 193,071; published May 13, 1924.
Magazine or periodical. William King & Son. 186,889; July 22; Serial No. 194,276; published May 13, 1924.
Newspaper column, Title of New York Tribune, Inc. 186,554; July 22; Serial No. 192,995; published Apr. 29, 1924.
Newspaper columns, Title of. E. G. McCandlish. 186,964; July 22; Serial No. 193,058; published May 13, 1924.
Newspaper section, Weekly. King Features Syndicate, Inc. 186,741; July 22; Serial No. 194,452; published May 13, 1924.
Newspaper title. Cleveland Shopping News Company. 186,969; July 22; Serial No. 193,503; published May 13, 1924.
Periodicals. Ankrum Advertising Agency. 186,888; July 22; Serial No. 194,321; published May 13, 1924.
Photograph title. Airmap Corporation of America. 186,890; July 22; Serial No. 194,237; published May 13, 1924.
Printing, lithographing, etc., Sale and execution of the work of. N. E. H. Hubbard & Co. 186,866; July 22; Serial No. 192,257; published May 6, 1924.
Publication. American Unity Publishing Company. 186,566; July 22; Serial No. 176,394; published Apr. 29, 1924.
Publication. New Jersey Optical Co. 186,887; July 22; Serial No. 194,656; published May 13, 1924.
Publication. Textile Publishing Company. 186,694; July 22; Serial No. 188,455; published Apr. 29, 1924.
Publication. Textile Publishing Company. 186,695; July 22; Serial No. 188,453; published Apr. 22, 1924.
Publication. Textile Publishing Company. 186,696; July 22; Serial No. 188,452; published Apr. 29, 1924.
Publication, bulletin, or pamphlet, Printed. Manler Camps, Inc. 186,561; July 22; Serial No. 169,816; published Jan. 1, 1924.
Publication, Monthly. Fairmont Railway Motors, Inc. 186,552; July 22; Serial No. 193,582; published Apr. 29, 1924.
Publications. Bankers Supply Co. 186,549; July 22; Serial No. 193,695; published Apr. 29, 1924.
Publications. D. Ganeles. 186,504; July 22; Serial No. 192,970; published Apr. 29, 1924.
Publications. T. N. Sandifer. 186,681; July 22; Serial No. 191,144; published Apr. 29, 1924.
Publications, Monthly. Bronson & Townsend Co. 186,886; July 22; Serial No. 194,904; published May 13, 1924.
Stamps and coupons, Trading or discount. Eagle Discount Stamp Co. 186,896; July 22; Serial No. 193,700; published May 13, 1924.

CLASS 39.

Aprons, dresses, frocks, and coats. L. I. Brooks. 186,646; July 22; Serial No. 182,561; published Dec. 11, 1923.
Bathing shoes and caps. Tyer Rubber Company. 186,949; July 22; Serial No. 192,448; published May 6, 1924.
Belts and garters for men's wear. Martin and Johnson Inc. 186,706; July 22; Serial No. 173,052; published May 6, 1924.
Blouses and dresses, Children's. E. Van Ness. 186,923; July 22; Serial No. 193,481; published May 6, 1924.
Boots and shoes. Standard Shoe Making Co. 186,658; July 22; Serial No. 189,077; published Apr. 29, 1924.
Boots, shoes, and slippers. Irving Drew Company. 186,677; July 22; Serial No. 119,239; published Feb. 15, 1924.
Boots, shoes, and slippers. Thomas G. Plant Company. 186,704; July 22; Serial No. 156,802; published Apr. 29, 1924.
Brassières. Natures Rival Co. 186,951; July 22; Serial No. 192,413; published May 6, 1924.
Brassières and combinations. Warner Brothers Company. 186,716; July 22; Serial No. 189,021; published Apr. 29, 1924.
Brassières and corsets. A. Zwiebelson. 186,948; July 22; Serial No. 192,466; published May 6, 1924.
Breeches, Men's and boys' riding or service. Lieberman Specialty Company. 187,025; July 22.
Caps. M. Dorf. 186,578; July 22; Serial No. 190,916; published Apr. 29, 1924.
Clothing. Sigmund Eisner Company. 186,933; July 22; Serial No. 193,161; published May 13, 1924.
Clothing and undergarments. New York Cloak & Suit House of Los Angeles. 187,048; July 22.
Clothing, Boys'. Wicks & Greenman. 186,863; July 22; Serial No. 174,351; published Oct. 23, 1923.
Coats, suits, and wraps, Ladies'. Edward Kolbert & Sons. 186,527; July 22; Serial No. 193,181; published May 6, 1924.

Coats, vests, pants, and overcoats, Men's. Glanzrock La Penna Co. 186,926; July 22; Serial No. 193,395; published May 13, 1924.
Corsets. Regal Corset Company. 186,781; July 22; Serial No. 191,092; published Apr. 8, 1924.
Corsets. John Wanamaker Philadelphia. 186,946; July 22; Serial No. 192,589; published May 6, 1924.
Corsets and brassières. True Form Corset Co. 186,657; July 22; Serial No. 188,871; published Apr. 29, 1924.
Corsets, brassières, bust supporters, suspenders, etc. Kops Bros. Inc. 186,513; July 22; Serial No. 191,270; published May 6, 1924.
Corsets, brassières, girdles. Chas. R. De Bevoise Co. 186,784; July 22; Serial No. 191,476; published May 6, 1924.
Cravats and neckties. Levy & Marcus. 186,680; July 22; Serial No. 191,331; published Apr. 22, 1924.
Dresses and ladies' suits and men's sport coats and pants, Knitted. Wiley-Bickford-Sweet Company. 186,525; July 22; Serial No. 169,105; published May 6, 1924.
Dresses, Women's. P. A. Sans. 186,524; July 22; Serial No. 169,782; published May 6, 1924.
Garments, Cloth outer. New York Mackintosh Clothing Company. 186,581; July 22; Serial No. 192,577; published Apr. 29, 1924.
Garments for women and misses, Sport. L. Bamberger & Co. 187,035; July 22.
Garments, Men's and children's outer. Cohen, Goldman & Co. 186,934; July 22; Serial No. 193,153; published May 13, 1924.
Garments, Nainsook combination. Sexton Mfg. Co. 186,591; July 22; Serial No. 193,476; published Apr. 29, 1924.
Garments, undergarments, and aprons. Gallon Garment Manufacturing Co. 186,700; July 22; Serial No. 151,454; published May 6, 1924.
Gloves. R. H. Macy & Co. 187,020; July 22.
Gloves and mittens, Leather. Ripon Knitting Works. 186,655; July 22; Serial No. 188,704; published Apr. 22, 1924.
Hats. Geraldine Hat Co. 186,937; July 22; Serial No. 192,833; published May 6, 1924.
Hats and caps. Joseph Lazarus Company. 186,654; July 22; Serial No. 188,488; published Apr. 22, 1924.
Hats and headgear. M. Apfel & Bro. 186,653; July 22; Serial No. 187,909; published Apr. 22, 1924.
Hats, Men's. Denver Dry Goods Company. 186,650–2; July 22; Serial No. 187,566–8; published Apr. 22, 1924.
Hats, suits, coats, and fur coats and scarfs, Ladies'. Kurzman, Inc. 186,883; July 22; Serial No. 192,627; published May 6, 1924.
Hose, Infants'. Ashe Hosiery Mills. 186,918; July 22; Serial No. 193,564; published May 6, 1924.
Hose, Ladies'. American Dry Goods Company of New York. 186,819; July 22; Serial No. 189,836; published May 6, 1924.
Hosiery. H. W. Anthony. 186,764; July 22; Serial No. 194,153; published May 13, 1924.
Hosiery. Carley-Rice Co. 186,584; July 22; Serial No. 192,957; published Apr. 29, 1924.
Hosiery. J. L. Hudson Company. 186,925; July 22; Serial No. 193,399; published May 6, 1924.
Hosiery. Knoxville Knitting Mills Co. 186,767; July 22; Serial No. 194,196; published May 13, 1924.
Hosiery. Levinson & Shapiro, Inc. 186,595; July 22; Serial No. 159,802; published Nov. 20, 1923.
Hosiery. Michelman-Grass Hosiery Co. 186,867; July 22; Serial No. 192,713; published May 6, 1924.
Hosiery. Powell Knitting Company. 186,642; July 22; Serial No. 166,252; published Jan. 30, 1923.
Hosiery. A. M. Robinson Company. 186,590; July 22; Serial No. 193,473; published Apr. 29, 1924.
Hosiery. United Hosiery Mills Corp. 186,869; July 22; Serial No. 192,743; published May 6, 1924.
Hosiery and knitted neckties. Albro Knitting Mill. 186,841; July 22; Serial No. 185,551; published Apr. 22, 1924.
Hosiery, gloves, underwear, etc. Houser Textile Company. 186,897; July 22; Serial No. 193,923; published May 13, 1924.
Hosiery, sweaters, neckwear, etc. Quinn-Marshall Company. 186,506; July 22; Serial No. 190,030; published May 6, 1924.
Hosiery, underwear, pants, and shirts. L. Michaels, Inc. 186,917; July 22; Serial No. 193,608; published May 6, 1924.
Knickerbockers. Lieberman Specialty Company. 187,026; July 22.
Middies, knickers, bloomers, skirts, trunks. Sally Middy Co. 186,865; July 22; Serial No. 192,196; published May 13, 1924.
Middy blouses, underwear, hosiery, shirts, dresses, etc. B. Billow. 186,884; July 22; Serial No. 192,665; published May 6, 1924.
Neckties. B. Gold. 186,519; July 22; Serial No. 180,178; published May 6, 1924.
Neckties. Grip Bow Tie Company. 186,507; July 22; Serial No. 188,839; published May 6, 1924.
Nightgowns, shirts, dresses, etc., Children's. M. C. Allen. 186,520; July 22; Serial No. 179,915; published May 6, 1924.
Nightshirts, nightgowns, pyjamas, underwear, and beach robes, Textile. Faultless Nightwear Corporation (E. Rosenfeld & Co.). 186,587; July 22; Serial No. 193,667; published May 6, 1924.
Overalls. J. W. Hamilton. 186,878; July 22; Serial No. 192,486; published May 13, 1924.
Overalls, pants, shirts, etc. Helena Wholesale Dry Goods Company. 186,649; July 22; Serial No. 188,268; published Jan. 29, 1924.
Overcoats and convertible combination coat and breeches. L. Botha. 187,005; July 22.
Overcoats, coats, vests, trousers, and raincoats, Men's and boys'. D. Glicksman. 186,772; July 22; Serial No. 194,444; published May 13, 1924.
Overcoats, jackets, and suits. Thexton & Wright, Limited. 186,512; July 22; Serial No. 191,794; published May 6, 1924.
Overcoats, Men's. Wm. P. Goldman & Bros. Inc. 186,924; July 22; Serial No. 193,456; published May 6, 1924.
Putties, Leather. H. & L. Epstein Inc. 186,785; July 22; Serial No. 191,479; published May 6, 1924.
Raincoats. Cambridge Rubber Company. 186,775; July 22; Serial No. 190,402; published May 6, 1924.
Rubber heels. T. A. Farrell. 187,036; July 22.
Shirts. Boston Store of Chicago, Inc. 187,039; July 22.
Shirts. Marcus Breier's Sons. 186,526; July 22; Serial No. 193,025; published May 6, 1924.
Shirts. Lullwater Manufacturing Company. 186,876; July 22; Serial No. 192,399; published May 6, 1924.
Shirts. Jacob Miller's Sons Co. 187,052; July 22.
Shirts, Men's. Shaw Shirt Corporation. 187,042; July 22.
Shirts, pants, underwear, and knickers. Neustadter Bros. 186,776; July 22; Serial No. 190,804; published May 13, 1924.
Shirts, underwear, pyjamas, and nightshirts, Men's and boys'. Eton Shirt Co. 186,906; July 22; Serial No. 193,910; published May 13, 1924.
Shirts, Work. Reliance Manufacturing Company. 186,587–8; July 22; Serial Nos. 193,124–5; published Apr. 29, 1924.
Shirts, Work. Reliance Manufacturing Company. 186,589; July 22; Serial No. 193,127; published Apr. 29, 1924.
Shoes. Brown Shoe Company. 186,705; July 22; Serial No. 170,178; published Feb. 27, 1923.
Shoes. Hurley Shoe Co. 186,947; July 22; Serial No. 192,537; published May 6, 1924.
Shoes. Kannally-Wick Corporation. 186,944; July 22; Serial No. 192,702; published May 6, 1924.
Shoes. May Department Stores Company. 187,046; July 22.
Shoes and slippers. Fred A. Eyre & Co. 186,579; July 22; Serial No. 190,634; published Apr. 29, 1924.
Shoes and spats. J. Sacks. 186,641; July 22; Serial No. 164,775; published Apr. 22, 1924.
Shoes, Leather. Beasley Shoe Co. 186,576; July 22; Serial No. 189,349; published Apr. 22, 1924.
Skirts, Ladies'. A. Beller & Co. 186,763; July 22; Serial No. 194,043; published May 13, 1924.
Stockings, Ladies' mercerized. Finch, Van Slyck & McConville. 186,765; July 22; Serial No. 194,178; published May 13, 1924.
Suits and jackets, Men's. Oppenheimer & Gross. 186,899; July 22; Serial No. 194,208; published May 13, 1924.
Suits and overcoats. Greenstein-Siegel Co. 187,034; July 22.
Suits and overcoats. A. B. Kirschbaum Company. 186,968; July 22; Serial No. 193,403; published May 6, 1924.
Suits, Men's. Weber & Heilbroner. 186,528; July 22; Serial No. 193,201; published May 6, 1924.
Suspenders, garters, neckwear, etc. Southern Suspender Company. 187,001; July 22.
Sweaters. Cadet Knitting Company. 186,907; July 22; Serial No. 175,979; published May 6, 1924.
Sweaters. Manhattan Knitting Mills, Inc. 186,538; July 22; Serial No. 193,718; published May 6, 1924.
Sweaters. Prospect Sales Co. 186,514; July 22; Serial No. 190,651; published May 6, 1924.
Sweaters and knit goods. Carter Dry Goods Co. 186,530; July 22; Serial No. 193,384; published May 6, 1924.
Ties. W. Rosengarten. 186,873; July 22; Serial No. 192,272; published May 6, 1924.
Underwear. Conradi & Friedemann. 24,036; renewed Jan. 9, 1924.
Underwear. Rome Textile Company. 186,868; July 22; Serial No. 192,735; published May 13, 1924.
Underwear. F. Stevens. 186,877; July 22; Serial No. 192,440; published May 13, 1924.
Underwear, Ladies' and gentlemen's. Morris Isaac & Sons Company. 187,013; July 22.
Underwear, Ladies' knitted. British Cellulose and Chemical Manufacturing Company Limited. 186,516; July 22; Serial No. 186,976; published May 6, 1924.
Underwear, union suits, shirts, notions, etc. J. Rosenzweig. 186,914; July 22; Serial No. 179,430; published Dec. 4, 1923.
Vests, chemises, bloomers, step-ins, and nightgowns. D. I. Salomon. 186,517; July 22; Serial No. 186,449; published May 6, 1924.
Waists and waist suits, Children's knitted. Campe Corporation. 186,529; July 22; Serial No. 193,213; published May 6, 1924.

Waists, shirts, petticoats, underwear, etc. Jersey Silk Mills. 186,840; July 22; Serial No. 182,820; published May 6, 1924.

CLASS 40.

Buttons, safety pins, elastic, snap fasteners, etc. Samstag & Hilder Bros., Inc. 186,864; July 22; Serial No. 175,325; published Apr. 29, 1924.
Combs, Hard-rubber. American Hard Rubber Company. 186,848; July 22; Serial No. 191,467; published Apr. 29, 1924.
Cover fasteners. W. R. Chappell. 186,870; July 22; Serial No. 192,817; published May 6, 1924.
Elastic webs. Geo. S. Colton Elastic Web Co. 186,713; July 22; Serial No. 186,218; published Apr. 22, 1924.
Hose supporter buttons, pendants, and collets. American Narrow Fabric Company. 186,685; July 22; Serial No. 190,906; published Apr. 29, 1924.
Knitting or crochet hooks and needles. H. O. Perry. 186,550; July 22; Serial No. 193,679; published Apr. 29, 1924.
Laces, corset laces, braids, tapes, elastic, Shoe. Burnet Company. 186,547; July 22; Serial No. 194,048; published Apr. 20, 1924.
Laces, Shoe, corset, and middy-blouse. Barthels Manufacturing Company. 186,921; July 22; Serial No. 193,497; published May 6, 1924.
Notions. Sophia Hair Stores Co. 186,920; July 22; Serial No. 193,547; published May 6, 1924.
Pins, Toilet. T. B. M. Gates. 186,711; July 22; Serial No. 180,427; published Jan. 1, 1924.
Snap fasteners. S. Bakal and Son. 186,854; July 22; Serial No. 192,104; published May 6, 1924.
Tassels and fringes, elastic belting and cord, etc. Calhoun, Robbins & Co. 186,564; July 22; Serial No. 172,209; published Dec. 18, 1923.
Trimmings. Castle Braid Co. 186,836; July 22; Serial No. 180,270; published May 6, 1924.
Trimmings. Castle Braid Co. 186,916; July 22; Serial No. 180,269; published May 6, 1924.

CLASS 41.

Umbrellas and parasols. C. Stein. 187,045; July 22.

CLASS 42.

Cloth in the piece, Cashmere. S. Stroock & Company. 186,615; July 22; Serial No. 176,432; published May 6, 1924.
Cloth in the piece, Llama. S. Stroock & Company. 186,612; July 22; Serial No. 176,433; published May 6, 1924.
Cotton piece goods. Mains & Grebenstein, Inc. 187,021; July 22.
Gingham. Marshall Field & Company. 186,745–6; July 22; Serial No. 194,175–6; published May 13, 1924.
Gingham in the piece. Marshall Field & Company. 186,594; July 22; Serial No. 193,914; published Apr. 29, 1924.
Handkerchiefs. Alexander & Stein, Inc. 187,038; July 22.
Knitted silk piece goods. Chopak Textile Co. 186,630; July 22; Serial No. 193,151; published May 6, 1924.
Linen piece goods. Herbert B. Lederer Corp. 186,624; July 22; Serial No. 179,802; published May 6, 1924.
Pillowcases, sheets, towels, and decorative linens. Maderight M'f'g Co. 186,994; July 22.
Silk in the piece, Pig. Compagnie Optorg. 186,619; July 22; Serial No. 187,725; published May 6, 1924.
Silk piece goods. Wechsler Barber Silk Company. 186,629; July 22; Serial No. 193,011; published May 6, 1924.
Silk piece goods, Artificial. Theo. Tiedemann & Sons, Inc. 186,603; July 22; Serial No. 191,855; published Mar. 18, 1924.
Wool and cotton admixture piece goods. Bradford Dyers' Association, Limited. 186,607; July 22; Serial No. 122,465; published May 6, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 186,627; July 22; Serial No. 192,827; published May 6, 1924.

CLASS 43.

Thread. A. J. Rothstein. 186,608; July 22; Serial No. 158,450; published May 6, 1924.

CLASS 44.

Applicators. Cook Laboratories, Inc. 187,064; July 22.
Bottles, syringes, etc., Ice and hot-water. Manley-Nicholls Company. 186,555; July 22; Serial No. 192,982; published May 6, 1924.
Dental burs. J. Rubin. 186,543–4; July 22; Serial Nos. 194,128–9; published May 6, 1924.
Dental burs. J. Rubin. 186,747; July 22; Serial No. 194,127; published May 13, 1924.
Dental gum or rubber. S. S. White Dental Manufacturing Company. 24,941; renewed July 3, 1924.
Electric currents, Apparatus for producing and applying. Dr. L. Martignoni. 186,502; July 22; Serial No. 192,850; published May 6, 1924.
Electrical apparatus for applying heat to the scalp. Calo Dome Laboratories, Inc. 186,606; July 22; Serial No. 190,232; published Apr. 29, 1924.
Electrically-heated fabrics, pads, blankets, etc. Thermoweve Corporation of America. 186,486; July 22; Serial No. 191,990; published May 6, 1924.
Electrically-heated fabrics, pads, blankets, etc. Thermoweve Corporation of America. 186,678; July 22; Serial No. 191,989; published May 6, 1924.
Heating pads, Electric. George Richards & Company. 186,613; July 22; Serial No. 176,762; published Apr. 29, 1924.
Mouth illuminators, stretchers, operating tables, etc. F. O. Schoedinger. 186,563; July 22; Serial No. 172,179; published May 6, 1924.
Rubber goods, Druggists' and surgical. Tyer Rubber Company. 186,816; July 22; Serial No. 188,256; published May 13, 1924.
Sanitary napkins. Davidson Bros. Co. 186,553; July 22; Serial No. 193,158; published May 6, 1924.
Sanitary napkins, belts, dress protectors, and gauze. Marshall Field & Company. 186,542; July 22; Serial No. 194,174; published May 6, 1924.
Sutures, Emergency. Jaeger-Bigelow Co. 187,054; July 22.

CLASS 45.

Beverage sold as a soft drink. M. A. Simons. 187,063; July 22.
Beverages and sirups for making the same. Du Quoin Bottling Co. 187,000; July 22.
Beverages sold as soft drinks and sirups and flavoring extracts for making same. P. Woods. 186,817; July 22; Serial No. 189,438; published May 13, 1924.
Cider, Apple. West Michigan Fruit Products Company. 187,047; July 22.
Flavoring extracts. Bishop & Babcock Company. 187,011; July 22.
Flavors, Apricot, cherry, blackberry, etc. Antoine Chiris Company. 187,008; July 22.
Ginger ale. Pennsylvania Bottling and Supply Co. 25,648; renewed Dec. 11, 1924.
Ginger ale. Pureoxia Company. 186,666; July 22; Serial No. 193,067; published May 6, 1924.
Sirup and dry-fruit concentrates for making soft drinks, Fresh-fruit. Fruitfrost Corporation. 186,833; July 22; Serial No. 191,481; published May 13, 1924.
Sirup for beverage purpose, Pomegranate. Lindsay Farm Bureau Fruit Association. 186,671; July 22; Serial No. 192,129; published May 6, 1924.

CLASS 46.

Alimentary pastes. Kansas City Macaroni & Importing Co. 186,497; July 22; Serial No. 192,622; published Apr. 29, 1924.
Apples, Fresh. N. M. Borina. 186,810; July 22; Serial No. 191,935; published May 6, 1924.
Apples, Fresh. S. C. Eshleman. 186,796; July 22; Serial No. 193,277; published May 13, 1924.
Apples, Fresh. Spinner Fruit Corporation. 186,803; July 22; Serial No. 192,281; published May 6, 1924.
Asparagus and lettuce, Fresh. Sing Wo Kee Co. 186,752; July 22; Serial No. 193,787; published May 6, 1924.
Bacon. Pittsburgh Provision and Packing Company. 187,023; July 22.
Bacon. Pittsburgh Provision and Packing Company. 187,027; July 22.
Bakery products. An-Jo Bakery. 186,531; July 22; Serial No. 193,493; published May 6, 1924.
Beef, veal, mutton, etc., Fresh, canned, etc. Libby, McNeill & Libby. 186,522; July 22; Serial No. 174,172; published May 6, 1924.
Beef, veal, pork, mutton, and poultry. Libby, McNeill & Libby. 186,823; July 22; Serial No. 190,460; published May 6, 1924.
Bird food. J. Oliver Johnson, Inc. 186,770; July 22; Serial No. 194,353; published May 13, 1924.
Biscuits. Independent Baking Company. 186,541; July 22; Serial No. 194,191; published May 6, 1924.
Bread. Mackechnie Bread Company. 187,066; July 22.
Bread. Purity Co-Operative Association. 187,058; July 22.
Butter. Lewis, Mears Company. 186,761; July 22; Serial No. 194,277; published May 13, 1924.
Butter. John Scholl & Bro. 186,990; July 22.
Butter and horse-radish. Columbia Cheese Company. 186,904; July 22; Serial No. 193,903; published May 6, 1924.
Butter, cheese, and eggs. Lewis, Mears Company. 186,762; July 22; Serial No. 194,278; published May 13, 1924.
Butter, Creamery. Laney Creamery Company. 186,545–6; July 22; Serial Nos. 194,112–13; published May 6, 1924.
Butter, eggs, condensed and evaporated milk, etc. Harding Cream Company. 186,999; July 22.
Cake. Barna Co. 186,508; July 22; Serial No. 193,020; published May 6, 1924.
Candies. M. C. Armstrong. 186,738; July 22; Serial No. 195,041; published May 13, 1924.
Candies. Euclid Candy Company. 186,815; July 22; Serial No. 188,092; published May 6, 1924.
Candies. Pacific Coast Biscuit Company. 186,735; July 22; Serial No. 177,184; published May 6, 1924.
Candies and fruits, Chocolate-coated. Ernest Wilson Co. 186,804; July 22; Serial No. 192,292; published May 6, 1924.
Candy. J. D. Becker. 186,719; July 22; Serial No. 187,791; published May 6, 1924.

Candy. Darms Company. 186,827; July 22; Serial No. 190,914; published May 6, 1924.
Candy. Fenn Brothers. 186,881; July 22; Serial No. 192,610; published May 13, 1924.
Candy. Lovell & Covel Co. 187,022; July 22.
Candy. Madeline. 186,740; July 22; Serial No. 194,358; published May 13, 1924.
Candy. Matrix Candy Corporation. 186,758; July 22; Serial No. 193,408; published May 6, 1924.
Candy. Palmer Candy Co. 186,798; July 22; Serial No. 192,997; May 13, 1924.
Candy. J. W. Surbrug. 186,521; July 22; Serial No. 174,220; published Dec. 11, 1923.
Candy. U. R. S. Candy Stores, Inc. 186,744; July 22; Serial No. 194,309; published May 6, 1924.
Candy. U. R. S. Candy Stores, Inc. 186,831; July 22; Serial No. 191,204; published May 6, 1924.
Candy. Ward-Owsley Co. 186,801; July 22; Serial No. 192,870; published May 13, 1924.
Candy and candy bars. Curtiss Candy Company. 186,802; July 22; Serial No. 192,480; published May 13, 1924.
Candy and nut confection. Queen Anne Candy Company. 186,771; July 22; Serial No. 194,374; published May 13, 1924.
Canned and dried fruits and canned vegetables. Coykendall, Inc. 186,807; July 22; Serial No. 192,111; published May 6, 1924.
Canned beans. Van Camp Packing Company. 186,805; July 22; Serial No. 192,228; published May 6, 1924.
Canned berries and fruits and pork and beans. Fassett & Company. 186,875; July 22; Serial No. 192,370; published May 6, 1924.
Canned citrous fruit. Dade Co. Citrus Sub-Exchange. 186,826; July 22; Serial No. 190,913; published May 6, 1924.
Canned fish, fruits, and vegetables, cornstarch, etc. O. J. Moore Grocer Company. 186,855; July 22; Serial No. 105,361; published May 13, 1924.
Canned fruit, fruit salad, canned grapefruit, and berries, etc. Mebius & Drescher Co. 186,820; July 22; Serial No. 190,200; published May 6, 1924.
Canned fruits and fish, jellies, jams, fruit butters. Hunt Brothers Packing Company. 186,737; July 22; Serial No. 154,560; published May 6, 1924.
Canned fruits and vegetables. Taylor Corporation. 186,811–12; July 22; Serial Nos. 191,922–3; published May 6, 1924.
Canned fruits, pickles, and vegetables, pastries, etc. American Economy Food Corporation. 186,821; July 22; Serial No. 190,224; published May 6, 1924.
Canned fruits, vegetables, fish, and oysters and vinegar. E. Marre & Bro. 186,682; July 22; Serial No. 191,028; published Apr. 29, 1924.
Canned fruits, vegetables, tomato paste, etc. Riverbank Cannery, Inc. 186,786; July 22; Serial No. 191,508; published Apr. 29, 1924.
Canned goods. Smith-Jackson Company. 186,984; July 22.
Canned grapefruit. Hills Brothers Company. 186,799; July 22; Serial No. 192,914; published May 13, 1924.
Canned malt extract for food purposes. Modern Pure Food Co. 186,843; July 22; Serial No. 186,849; published May 6, 1924.
Canned sardines. Norse Crown Canning Co. 186,721–2; July 22; Serial Nos. 185,489–90; published May 6, 1924.
Canned soups. Helen F. Williams & Company. 186,809; July 22; Serial No. 192,047; published May 6, 1924.
Canned vegetables. C. O. Dawson. 186,905; July 22; Serial No. 193,906; published May 6, 1924.
Canned vegetables. Idaho Canning Company. 186,734; July 22; Serial No. 172,536; published May 6, 1924.
Canned vegetables. Wm. Numsen & Sons, Inc. 186,891; July 22; Serial No. 194,207; published May 13, 1924.
Canned vegetables, canned fruits, and macaroni. East Side Wholesale Grocery Co. 186,540; July 22; Serial No. 193,907; published May 6, 1924.
Canned vegetables, fish, and anchovies and pickled fish. H. D. Capriata. 186,718; July 22; Serial No. 187,911; published May 6, 1924.
Canned vegetables, mincemeat, etc. Wimberley Grocer Company. 186,510; July 22; Serial No. 192,048; published May 6, 1924.
Cheese, Cream. Paramount Cream Cheese Co. 186,774; July 22; Serial No. 194,658; published May 13, 1924.
Chemical neutralizers for sour cream. J. J. Bork. 186,487; July 22; Serial No. 192,107; published Apr. 29, 1924.
Chick scratch, grain, buttermilk starter, etc. W. J. Lawther. 186,511; July 22; Serial No. 192,026; published May 6, 1924.
Chocolate. Ideal Cocoa & Chocolate Co. 186,644; July 22; Serial No. 174,783; published May 29, 1923.
Chocolates and candy. Hersbey Chocolate Company. 186,828; July 22; Serial No. 190,926; published May 6, 1924.
Cocoa, Compound for making. National Soda Service Co. 186,830; July 22; Serial No. 191,181; published May 13, 1924.
Cocoa, prepared mustard, pickles, coffee, tea, etc. Symons-Moffett Co. 186,509; July 22; Serial No. 192,446; published May 6, 1924.
Coconuts, fresh and canned grapefruit, green ginger, etc., Fresh. A. M. Miller. 186,732; July 22; Serial No. 174,666; published May 13, 1924.
Coffee. J. Aron & Company. 186,806; July 22; Serial No. 192,205; published May 6, 1924.
Coffee. K. D. Jakovich. 186,898; July 22; Serial No. 193,925; published May 6, 1924.
Coffee, dried beans, rice, etc. Lewis, Hubbard and Company. 186,729; July 22; Serial No. 177,394; published May 6, 1924.
Confection. Mitri Gabbour Mfg. Co. 186,834; July 22; Serial No. 191,615; published May 6, 1924.
Confections. P. A. Barkas. 186,829; July 22; Serial No. 190,954; published May 6, 1924.
Confections, Frozen. International Sales Company. 186,724–6; July 22; Serial Nos. 181,122–4; published May 13, 1924.
Corn meal, Graham and whole-wheat flour, etc. Long Beach Milling Company. 186,847; July 22; Serial No. 190,419; published May 13, 1924.
Corn meal, mill feeds, etc. B. L. Robertson. 186,557; July 22; Serial No. 152,864; published Mar. 27, 1923.
Crackers coated with sweetened chocolate. Johnson Educator Food Company. 186,837; July 22; Serial No. 180,799; published May 6, 1924.
Cream, butter, ice cream, ices, cottage cheese. Supplee-Wills-Jones Milk Company. 186,850; July 22; Serial No. 191,579; published May 6, 1924.
Dairy products. United Fruit Company. 186,560; July 22; Serial No. 163,243; published Nov. 20, 1923.
Eggs. John Scholl & Bro., Inc. 186,089; July 22.
Eggs, Fresh. S. J. Schenk. 187,065; July 22.
Extracts for food-flavoring purposes. Joannes Brothers Company. 186,532–5; July 22; Serial Nos. 193,594–7; published May 6, 1924.
Extracts of meat and compounds thereof. Valentine's Meat Juice Company. 186,909–11; July 22; Serial Nos. 178,077–9; published May 13, 1924.
Feed, Dairy. Quisenberry Feed Mfg. Co. 186,518; July 22; Serial No. 182,995; published May 6, 1924.
Feeds, Poultry. H. C. Puffer Company. 186,773; July 22; Serial No. 194,617; published May 13, 1924.
Fish preserved in oil, canned vegetables, rice, etc. R. Martorelli. 186,861; July 22; Serial No. 168,726; published Sept. 25, 1923.
Flavoring extracts. Fries & Fries Company. 186,853; July 22; Serial No. 191,701; published May 6, 1924.
Flour, buckwheat, corn meal. H. M. Klepser. 186,856; July 22; Serial No. 154,368; published May 6, 1924.
Flour, corn meal, etc. J. J. Bartholomew & Son, Inc. 186,539; July 22; Serial No. 193,752; published May 6, 1924.
Flour, Wheat. Jenson & Sons Milling & Grain Co. 186,536; July 22; Serial No. 118,210; published Aug. 3, 1920.
Flour, Wheat. Lebanon Farmers Cooperative Co. 186,859; July 22; Serial No. 152,851; published May 6, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 186,548; July 22; Serial No. 194,017; published May 6, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 186,768; July 22; Serial No. 194,281; published May 13, 1924.
Flour, Wheat. Schultz, Baujan & Co. 186,769; July 22; Serial No. 194,305; published May 13, 1924.
Flour, Wheat. Southwestern Milling Company. 186,675; July 22; Serial No. 188,279; published Jan. 15, 1924.
Food compound. S. L. Goldman. 186,838; July 22; Serial No. 182,145; published May 6, 1924.
Food product. Health Harvest Food Co. 186,835; July 22; Serial No. 180,281; published May 6, 1924.
Fruit preserves, jam, and jelly, canned fruits and vegetables. W. H. Pride & Co. 187,032; July 22.
Fruits, canned vegetables and olives, and jams. Dried. Sam Seelig Co. 186,901; July 22; Serial No. 193,684; published May 6, 1924.
Fruits, Fresh citrous. Cocoa Fruit Co. 186,903; July 22; Serial No. 193,902; published May 6, 1924.
Fruits, Fresh citrous. Kissimmee Citrus Growers' Association. 186,766; July 22; Serial No. 194,195; published May 6, 1924.
Fruits, Fresh citrous. Lakeland Highlands Citrus Growers Ass'n. 186,748; July 22; Serial No. 194,111; published May 6, 1924.
Grapes, Fresh. A. B. Humphrey. 186,739; July 22; Serial No. 194,869; published May 13, 1924.
Ham. Pittsburgh Provision and Packing Company. 187,024; July 22.
Ice-cream confection. Watson & Aven. 186,689; July 22; Serial No. 190,184; published Apr. 29, 1924.
Jelly powders. Price Flavoring Extract Company. 186,912–13; July 22; Serial No. 178,470–1; published May 13, 1924.
Macaroni, spaghetti, vermicelli, and noodles. Beech-Nut Packing Company. 186,900; July 22; Serial No. 193,651; published May 6, 1924.
Malt extract for food purposes. American Diamalt Company. 186,574; July 22; Serial No. 186,576; published Apr. 1, 1924.
Malt extract for food purposes. American Diamalt Company. 186,575; July 22; Serial No. 186,577; published Apr. 29, 1924.

Marmalades, fruit preserves, pecan-nut meats, etc. B. F. Trappey & Sons. 186,842; July 22; Serial No. 186,205; published May 6, 1924.
Mayonnaise dressing. W. J. English. 186,491; July 22; Serial No. 192,248; published Apr. 29, 1924.
Meats, Fresh. Edward Smith Packing Co. 186,731; July 22; Serial No. 175,410; published May 6, 1924.
Middlings, feed, wheat flour, meal. Charleston Milling & Produce Company. 186,585; July 22; Serial No. 192,960; published Apr. 29, 1924.
Milk. Nestlé & Anglo-Swiss Condensed Milk Co. 186,559; July 22; Serial No. 157,624; published Apr. 29, 1924.
Milk and cream. Nestlé & Anglo-Swiss Condensed Milk Co. 186,558; July 22; Serial No. 157,623; published Apr. 29, 1924.
Milk beverage, Malted-. J. E. Amend. 186,708; July 22; Serial No. 176,936; published Apr. 29, 1924.
Milk, Condensed and evaporated. Danish Pride Milk Products Co. 186,845; July 22; Serial No. 188,409; published May 6, 1924.
Milk product, Malted-. R. Duncan. 186,846; July 22; Serial No. 190,050; published May 6, 1924.
Mincemeat. Merrell-Soule Company. 186,736; July 22; Serial No. 169,958; published May 6, 1924.
Nuts. N. K. Chaparas. 186,727; July 22; Serial No. 179,353; published May 13, 1924.
Oil. Olive. F. G. Arata. 186,733; July 22; Serial No. 174,881; published May 13, 1924.
Oil. Olive. G. Celsi. 186,749; July 22; Serial No. 193,899; published May 6, 1924.
Oil. Olive. Maspero & Michels. 186,715; July 22; Serial No. 187,472; published Apr. 29, 1924.
Oleomargarine. Swift and Company. 186,919; July 22; Serial No. 193,552; published May 13, 1924.
Oleomargarine. Ed. S. Vail Butterine Co. 187,018; July 22.
Pepper sauce, gumbo filé, cayenne milled pepper, etc. E. F. Ribbeck. 186,692; July 22; Serial No. 189,725; published Apr. 29, 1924.
Potatoes. Hastings Potato Growers Association. 187,017; July 22.
Poultry, Live. Massanutten Farms Hatchery, Inc. 187,016; July 22.
Salad, French and mustard dressings, sweet relish. C. S. Goodyer. 186,679; July 22; Serial No. 191,957; published Apr. 29, 1924.
Sausage. Van Wagenen and Schickhaus Company. 186,998; July 22.
Seed, Bird. J. Oliver Johnson, Inc. 186,743; July 22; Serial No. 194,354; published May 13, 1924.
Sirup and flavors for food purposes, Malt. H. F. Drummond. 186,523; July 22; Serial No. 174,000; published May 6, 1924.
Sirup, Cane. W. B. Roddenbery. 186,950; July 22; Serial No. 192,431; published Apr. 29, 1924.
Sirup, Malt. Table Queen Products Company. 186,536; July 22; Serial No. 193,638; published May 6, 1924.
Spices. Van Loan & Company. 187,003; July 22.
Tablets for food purposes. J. G. Munsell. 186,880; July 22; Serial No. 192,542; published May 6, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 186,750; July 22; Serial No. 193,819; published May 6, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 186,751; July 22; Serial No. 193,816; published May 6, 1924.
Thousand Island and mayonnaise dressing. O. H. Pitkin. 186,686; July 22; Serial No. 190,897; published Apr. 29, 1924.
Tomato paste. V. Taormina & Co. 186,862; July 22; Serial No. 173,371; published May 13, 1924.
Tomato, tomato sauce, concentrated grapes, etc., Concentrated. Società Anonima Boniche Pontine. 186,915; July 22; Serial No. 180,266; published May 6, 1924.
Vegetables and deciduous fruits, Fresh. W. M. Fewel. 186,742; July 22; Serial No. 194,443; published May 13, 1924.
Walnuts. Bennett Day Importing Company. 186,824–5; July 22; Serial Nos. 190,865–6; published May 6, 1924.

CLASS 48.

Beer, Lager. Joseph Fallert Brewing Company Limited. 25,587; renewed Dec. 4, 1924.
Beer, Lager. Robert Portner Brewing Company. 23,870; renewed Nov. 28, 1923.
Malt cereal product. American Burtonizing Company and Wallerstein Laboratories. 186,676; July 22; Serial No. 177,723; published May 6, 1924.

CLASS 50.

Cellulose sheets. Du Pont Cellophane Company. 186,577; July 22; Serial No. 190,191; published Apr. 29, 1924.

ALPHABETICAL LIST OF LABELS.

Aut-O-glo. For Automobile Enamel. Aut-O-glo Products Co. 27,622; July 22.
Cool Spring (with spring and tree branches). For Canned Golden Bantam Corn. Lake Mills Canning Co. 27,633; July 22.
Ever-Gloss. For Hair Oil. E. R. Eagleston. 27,623; July 22.
Flo-Ida Grapefruit Crystalized with Pure Sugar. For Crystallized Grapefruit. E. S. Wright. 27,648; July 22.
Handy Packet. For Confectionery. Allen-Qualley Company. 27,621; July 22.
Hoyden. For Canned Cherries. K. Hoyden Co. 27,630; July 22.
Jack's Mentolyptine. For a Liniment. J. J. Healy. 27,629; July 22.
kantark. For Nonrenewable Fuses, Renewable Fuses, Plug Fuses, Electric Receptacles, and Electric Connecters. Trico Fuse Mfg. Co. 27,644; July 22.
Leader (with knight on horse). For Canned Country Gentleman Corn. Lake Mills Canning Co. 27,634; July 22.
Marathon. For Canned Peas. West Bend Cannery. 27,647; July 22.
Marshal Ney. For Cigars. W. S. Teall. 27,643; July 22.
Matias Palacio. For Cigars. M. Palacio. 27,638; July 22.
O'Keefe's Ginger Ale. For Ginger Ale. O'Keefe's Beverages Limited. 27,636; July 22.
Pabst Extra Dry. For Ginger Ale. Pabst Corporation. 27,637; July 22.
Pencock. For Melons. J. H. Smith. 27,642; July 22.
Pendleton. For Clothing. Pendleton Woolen Mills. 27,639; July 22.
Pep. For Rolled Oats. Portage Wholesale Grocery Company. 27,640; July 22.
Pyramid. For Canned Tunny Fish. Franco-Italian Packing Co. 27,627; July 22.
Pulvite. For a Cleaning Powder. P. Tump. 27,645; July 22.
Radiokleen Grit Soap. For Detergent Materials Including Soap. B. M. Ferguson & Co. 27,625; July 22.
Sandura. For Floor Coverings. Feltcraft Company. 27,624; July 22.
Sappho. For Cigarettes. J. Mouhtouris. 27,635; July 22.
Schaffer Lock-Cover Sanitary Garbage Can. For Garbage Receptacle. Schaffer Tinware Mfg. Co. 27,641; July 22.
Silvry-Sleet Tinsel. For Christmas Decorations. United States Foil Co. 27,646; July 22.
Skeezix—Now, Skeezix, you're to start and learn. For Writing Tablets. F. O. King. 27,632; July 22.
Skeezix—School, says Pal. Is not for me. For Writing Tablets. F. O. King. 27,631; July 22.
Spezia. For Canned Tonno Fish. Franco-Italian Packing Co. 27,626; July 22.
Willson Dustite Respirator. For Respirators. Willson Goggles, Inc. 27,628; July 22.

ALPHABETICAL LIST OF PRINTS.

Baffle Bar Billy. For Candy. Cardinet Candy Co. 7,489; July 22.
Five Models to fit Five Figures. For Underwear. Henderson & Ervin. 7,498; July 22.
Gainsborough Hair Net. For Hair Nets. Western Bottle Manufacturing Company. 7,503; July 22.
Greatest Sales Rack Ever Invented. For Sales Racks. Congoleum Company. 7,491; July 22.
Hartmann Cushion Top Wardrobe Trunks. For Wardrobe Trunks. Hartmann Trunk Company. 7,497; July 22.
Is your letter paper evidence for the prosecution? For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Company. 7,496; July 22.
Le Talc de Coty. For Powders. Coty, Inc. 7,493; July 22.
Oshkosh B'Gosh Overalls. For Overalls. Oshkosh Overall Company. 7,500; July 22.
Parfum "Paris" de Coty. For Eau de Toilette, Face Powder, Compacts, and Talc. Coty, Inc. 7,492; July 22.
Rockinchair Golf-Tennis Shirt Suit. For Golf-Tennis Shirt Suits. Henderson & Ervin. 7,499; July 22.

Silox. For a Prophylactic Antiseptic Dusting Powder Which is Highly Absorbent and Deodorizing. Silica Gel Products Corporation. 7,502; July 22.
The Largest Selling Quality Pencil in the World. For Pencils. American Lead Pencil Company. 7,488; July 22.
Thirst knows no season. For Soft Drinks. Coca-Cola Company. 7,490; July 22.
Williams Aqua Velva (cutout). For Face Lotion. J. B. Williams Company. 7,504; July 22.
You Men Are Alike. For Palmolive Shaving Cream. Palmolive Company. 7,501; July 22.
You wouldn't acknowledge Wedding Gifts by telephone. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Company. 7,495; July 22.
You wouldn't discuss your personal affairs before servants. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Company. 7,494; July 22.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. C. Trautman & Company. 186,301; July 22.
Seed. W. G. Scarlett. 181,498; July 22.
Tires, etc., Asphaltic compound for. Standard Oil Company. 196,629; July 22.

CLASS 2.

Bags, Mothproof. Abraham & Straus, Inc. 197,325; July 22.
Bottles, Vacuum. George Borgfeldt & Co. 198,053; July 22.
Cosmetic containers. Elgin American Manufacturing Co. 196,010–1; July 22.
Paper cans. Union Paper Company. 197,568; July 22.
Sacks, Cotton picker. Crawford-Austin Manufacturing Co., 198,123; July 22.
Tanks, Storage. Chicago Bridge & Iron Works. 198,114; July 22.

CLASS 3.

Belt fasteners. Flexible Steel Lacing Company. 197,734–S; July 22.
Trunks and bags. R. H. Macy & Co. 197,545; July 22.

CLASS 4.

Cleaner and spot remover. R. H. McElroy, jr. 195,065; July 22.
Cleansing and washing compounds. Solvay Process Company. 194,823; July 22.
Metal polishing rouge. Zucker Sons Co. 196,844; July 22.
Soap. I. J. Anderson. 196,045; July 22.
Soap. Remmers Soap Company. 171,590; July 22.
Soap. Rome Soap Mfg. Co. 184,103; July 22.
Soaps, Toilet. Societe Commandite Chome & Cie. 196,482; July 22.

CLASS 5.

Waterproofing and seal-forming materials. Cello Products Incorporated. 182,133; July 22.

CLASS 6.

Ammonia. Old Witch Company. 197,339; July 22.
Antiseptic healing cream. Atlanta Barbers Supply Co. 196,638; July 22.
Baking powder. W. F. MacGlashan. 197,206; July 22.
Balsam, Lung. J. P. Ardelean. 197,857; July 22.
Bath preparation, Weight-reducing. San-I-Sal Laboratories Inc. 196,932; July 22.
Bedbug exterminator, etc. T. Shapiro. 179,684; July 22.
Boilers, Compound for preventing and removing scale from. E. R. Williams. 197,347; July 22.
Chemical preparation. Stevens Laboratories. 197,628; July 22.
Chemical preparation for the skin. Comfort Mfg. Co. 197,533; July 22.
Chemicals. New Brunswick Chemical Company. 195,480; July 22.
Cream, facial steams, and shampoo, etc., Face and massage. J. M. Heacock. 197,077; July 22.
Creams, Cold. Kala Company. 195,644; July 22.
Creams, scents, toilet waters, etc. Myrurgia S. A. 184,225; July 22.
Dandruff remedy. R. L. Schrader. 190,412; July 22.
Depilatory, Cream. E. I. Mitchell. 197,949; July 22.
Disinfectants. C. M. Renkert. 175,679; July 22.
Disinfectants, insecticides, etc. Vestal Chemical Company. 197,307; July 22.
Finger-nail polish, Liquid. W. E. Gordon. 178,177; July 22.
Flux for metallurgical treatment, Purifying. Superior Foundry Supply Company. 195,201; July 22.
Foot cream. F. A. Koch. 197,437; July 22.
Foot toilet waters. H. C. Stein. 182,776; July 22.
Glandular extracts for liver disease. Dr. L. Plantier. 193,726; July 22.
Hairdressing compound. Big E Laboratories. 197,797; July 22.
Hair grower, shampoo cream, and hair pressing oil. A. B. Kinkade. 197,944; July 22.
Hair tonic. Atlanta Barbers Supply Co. 196,639–41; July 22.
Hair tonic. Gilman-Bruette Co. 192,532; July 22.
Hair tonic. J. Muscolino. 197,893; July 22.
Hair tonics and face lotions. Atlanta Barber Supply Co. 196,636; July 22.
Insecticides and fungicides. Earp-Thomas Cultures Corporation. 181,063; July 22.
Laxative and bowel regulator. Graham Sanitarium, Inc. 197,481; July 22.
Laxatives. H. C. Yockey. 197,348; July 22.
Licorice paste. MacAndrews & Forbes Company. 196,919; July 22.
Liniment for horse ailments. Dr. Reed Liniment Company. 197,047; July 22.
Liquid motor fuel, Antiknock compound for. Benzo-Gas Motor Fuel Company. 196,850; July 22.
Lotion, Cleansing skin. Orchidew Corporation. 197,953; July 22.
Lyes and dram solvents. Lightnin Lye Co. 196,345; July 22.
Massage cream. Atlanta Barbers Supply Co. 196,637; July 22.
Medical preparation for impotency. Ecko Products Company. 194,265; July 22.
Medicinal compound for pyorrhea. Gold + Plus Corp. 197,536; July 22.
Medicinal preparation. J. G. Gatlin. 197,271; July 22.
Medicinal preparation for rheumatism, gout, etc. E. C. De Witt & Co. 197,421; July 22.
Medicine for itching scalp, dandruff, etc. G. S. Smyth. 197,911; July 22.
Medicine for rheumatism, etc. Saenger Drug Company. 196,351; July 22.
Mouth wash. Myrrh-Lyptol Co. 193,611; July 22.
Oil, Mineral. Standard Oil Company (New Jersey). 197,502; July 22.
Oil, Rubbing-in. P. W. Moomaw. 196,252; July 22.
Ointments, Base for. P. Beiersdorf & Co. 197,409; July 22.
Olive shampoo, witch-hazel, styptic pencils, etc. Daniel R. Makrauer Barber Supply Co. 196,667; July 22.
Perfumes. J. Lanvin. 197,604; July 22.
Perfumes, toilet waters, etc. Societe Commandite Chome & Cie. 196,483; July 22.
Pharmaceutical preparations. Coast Chemical Company. 197,362; July 22.
Powder, Complexion. F. H. Smith. 197,174; July 22.
Powder, Face. Lady Esther Co. 179,538; July 22.
Powder, liver pills, etc., Headache. Sords Pharmacy Co. 197,965; July 22.
Powder, perfumes, etc., Face. Gimbel Brothers, New York. 177,842; July 22.
Powder, Toilet. Silica Gel Products Corporation. 197,785; July 22.
Powders and toilet water, Face and talcum. Marinello Company. 186,324; July 22.
Powders, Deodorant body. Hilda Lee, Inc. 195,750; July 22.
Powders, Face. Kala Company. 195,645; July 22.
Powders, Toilet. French Cosmetic Mfg. Co. 197,269; July 22.
Preparation for driving away rats and other rodents. G. W. Hauser. 197,813; July 22.
Preparation for eczema, itch, etc. A. W. Fife. 197,592; July 22.
Preparation for hay fever and catarrh. Pom-Phona Remedy Co. 194,660; July 22.
Preparation for indigestion. S. Simon. 197,562; July 22.
Preparation for the hair and scalp. M. C. King. 168,040; July 22.
Preparation for the skin. John T. Milliken & Company. 176,562; July 22.
Preparation for the treatment of pyorrhea, etc. J. Weisberger. 197,346; July 22.
Preparation for treatment of catarrhal affections. Veritas Remedy Co. 197,972; July 22.
Radio compound or cement. Government Square Garage Company. 190,541; July 22.
Remedy for affections or disorders of the kidneys, etc., and a laxative pill. A. M. Maloney. 180,612; July 22.
Remedy for ivy poisoning. W. Ude. 196,943; July 22.
Salve. R. T. Yates. 197,057; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Salve and antipain balm, Healing. Stevens Laboratories. 197,629; July 22.
Shampoos. Beauti-Craft Co. 195,628; July 22.
Shampoos and rubbing alcohol. B. Jacobson. 196,460; July 22.
Soda ash. Solvay Process Company. 197,840; July 22.
Soldering composition. J. Laewen. 180,609; July 22.
Solvents. Carbide & Carbon Chemicals Corporation. 197,656; July 22.
Sulphur liquid compound. Pep Chemical Co. 191,280; July 22.
Tablets and a preparation for use as an antiseptic, etc., Throat. Middle West Laboratories. 195,756; July 22.
Tablets, Cold. Ukemco Corporation. 196,993; July 22.
Tablets, Headache. Ukemco Corporation. 196,994; July 22.
Toilet preparations. Plough Chemical Company. 197,291; July 22.
Toilet waters. H. C. Stein. 181,787; July 22.
Tonic for stomach disorders. William Vassel Co. 195,469; July 22.
Tonic, Stomach. E. R. Lamparter. 197,946; July 22.
Wax and washing tablets, Ironing. W. R. Hollingshead Inc. 181,689; July 22.
Welding flux preparation. E. E. Shafer. 196,767; July 22.

CLASS 9.

Matches. Diamond Match Company. 196,583; July 22.

CLASS 11.

Carbon paper. Champion Conserver Company. 189,239; July 22.
Inks, Thinning compound for printing. Senelith Ink Company. 194,880; July 22.
Typewriter ribbons. Impression Products Company. 193,924; July 22.

CLASS 12.

Asphalt. Gardiner and Lewis, Inc. 194,267; July 22.
Doors, Garage. Rowe & Giles Lumber Co. 196,973; July 22.
Floor coating, etc. A. I. Rankin. 170,448; July 22.
Lumber, Artificial. Upson Company. 141,439; July 22.
Netting. G. F. Wright Steel & Wire Company. 182,951; July 22.
Stone, Artificial. Arnold Stone, Brick & Tile Co. 195,998; July 22.
Wall board. Plastergon Wall Board Co. 195,711–3; July 22.

CLASS 13.

Broilers, Meat. Deep Drawn Metal Corporation. 197,138; July 22.
Cement wash trays, tubs, conduits, etc. Star Cement Tray Co. 192,587; July 22.
Culverts, irrigation pipe and gates, air pipe, well casings, and flumes. R. Hardesty Manufacturing Co. 197,371; July 22.
Melting pots, hand ladles, and monids, Lead. Turner & Seymour Manufacturing Co. 193,142; July 22.
Nuts, Shackle bolt. Ferry Cap & Set Screw Co. 196,799; July 22.
Sheet iron and sheet iron products. R. Hardesty Manufacturing Co. 197,372; July 22.
Tire-chain adjusters. Washburn Company. 197,636; July 22.
Tire-chain adjusters. Washburn Company. 197,641; July 22.
Washers, Lock. Washburn Company. 197,637–S; July 22.

CLASS 14.

Alloy, Metal. W. E. Atz. 195,042; July 22.
Alloy, Metallic. Standard Platinum Company. 197,690; July 22.
Cars, Carrier irons, etc., used in connection with draft mechanism for railway. American Steel Foundries. 185,777; July 22.
Castings, Metals for gold metal. Vincent J. Luongo & Company. 196,601; July 22.
Steel, Tool. Columbia Tool Steel Company 196,235; July 22.

CLASS 15.

Candles. Standard Oil Company. 197,400; July 22.
Fuel, Motor. W. J. Keenan. 196,872; July 22.
Gasoline. Federal Oil Company. 195,271; July 22.
Gasoline and blended motor fuels. General Oil Corporation. 196,913; July 22.
Gasoline and motor oils. G. W. Quinn. 186,926; July 22.
Gasoline and oils. H. C. Bellows. 194,687; July 22.
Gasoline, kerosene, etc. Factory Oil Company. 196,446; July 22.
Gasoline, kerosene, etc. Factory Oil Company. 196,450; July 22.
Gasoline, lubricating oil, cup greases. Oriental Oil Company. 195,902; July 22.
Lubricants. Pennzoil Co. 196,135; July 22.
Oil, Lubricating. Federal Oil Company. 195,270; July 22.
Oil, Lubricating. J. L. Kemp Company. 190,791; July 22.
Oils and greases, Lubricating. Fred G. Clark Company. 198,289; July 22.
Oils, greases, etc., and compounds, Lubricating. Ryt-Oyl Lubricants Company. 184,765; July 22.
Oils, Lubricating. J. Woodrow. 196,563; July 22.
Oils, Motor and lubricating. Rusk Oil Co. 196,032; July 22.
Petroleum and products of petroleum. Standard Oil Company of New York. 175,967; July 22.

CLASS 16.

Chemical, Protective liquid. Kepec Company. 181,690; July 22.
Lacquers. Standard Varnish Works. 198,092; July 22.
Oil, Linseed. William O. Goodrich Company. 195,818; July 22.
Paint and enamel remover. Aloka Chemical Corporation. 195,853; July 22.
Paint solvents, paint enamels, and varnishes. Dehco Enameling Company. 196,867; July 22.
Paints and paste paints. James B. Sipe & Company. 179,329; July 22.
Paints and varnishes. B. Buchbinder. 196,290; July 22.
Paints, paint enamels, varnish, and lacquers. Republic Varnish Company. 196,713; July 22.
Paints, Paste. James B. Sipe & Company. 179,324; July 22.
Paints, stains, varnish, etc. Gateways, Inc. 194,704; July 22.
Paints, varnishes, stains, etc. Glidden Company. 195,513; July 22.
Polish and oil, Liquid. P. C. Holt. 191,487; July 22.
Turpentine, Synthetic. James B. Sipe & Company. 179,330; July 22.
Varnish. Red Hand Compositions Company. 197,498; July 22.
Varnish. Sheratone Products Corporation. 193,545–6; July 22.
Varnish, paints, finishes. Marshall-Wells Company. 195,527; July 22.
Varnishes and paints. W. P. Fuller & Co. 190,289–90; July 22.

CLASS 17.

Cigars and cigarettes. J. E. A. Reyes. 194,947; July 22.
Tobacco, cigars, and cigarettes. Carreras Limited. 194,049; July 22.

CLASS 19.

Automobile motor vehicle and parts thereof. General Motors Corporation. 195,057; July 22.
Bicycles. Al. Ray Co. 197,293–4; July 22.
Shock absorbers. Aerobelle Company. 196,686; July 22.
Truck bodies. Heil Company. 176,472; July 22.

CLASS 21.

Amplifiers, sockets, rheostats, switches, etc. General Radio Company. 194,794; July 22.
Automobile generator. Automotive Manufacturers Outlet, Inc. 171,748; July 22.
Commutator segments, etc., Finished. Anaconda Copper Mining Company. 180,682; July 22.
Condensers, Neutralizing capacity. Chelten Electric Company. 194,785; July 22.
Condensers, Variable. T. W. Binder. 195,331; July 22.
Condensers, Variable. Chelten Electric Company. 194,786; July 22.
Dishwashing machines, Electrical. Wonder Portable Dishwasher Company. 194,832; July 22.
Electric-lighting appliances, fixtures, lamps, and parts. Ferro-Art Lighting Fixture Co. 192,249; July 22.
Electric-lighting fixtures, etc. Beverly Lights Corporation. 165,179; July 22.
Electron tubes. F. S. McCullough. 196,466; July 22.
Engines, Ignition timers for internal combustion. Blublaze Motor Specialties Corp. 195,630; July 22.
Inductance coils, Connecticut Telephone & Electric Company. 191,224; July 22.
Inductance coils, Variable. T. W. Binder. 195,330; July 22.
Lamp sockets, Incandescent-electric. Weber Electric Company. 162,224; July 22.
Lamps, Electric-arc. American Kreuger & Toll Corporation. 184,432; July 22.
Ohmer resistances. Scholes Radio and Manufacturing Corporation. 170,673; July 22.
Radiocircuits, Tuning inductances for. P. J. Kelly. 193,837; July 22.
Radio equipment. Carter Radio Company. 192,557; July 22.
Radio loud speakers. R. B. Wheelan. 194,830; July 22.
Radio outfits, devices, and accessories. Polydyne Corporation. 194,211; July 22.
Radio outfits, devices, and accessories. Polydyne Corporation. 194,213; July 22.
Radio outfits, devices, and accessories. Service Radio Corporation. 195,718; July 22.
Radio receiving sets and parts thereof. Melodyne Company. 195,755; July 22.
Radio sets. Aeolian Company. 166,123; July 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Radio transmitting and receiving appliances. General Radio Winding Company. 189,714; July 22.
Radio transmitting and receiving sets, coils, etc. Wave Radio Corporation. 193,741; July 22.
Telephone loud speakers. Manhattan Electrical Supply Company. 190,890; July 22.
Telephone receivers and loud talkers. Radio Industries Corporation. 196,258; July 22.
Trolley wires, cables, etc., Ears, clamps, and hangers for suspending and supporting. Ohio Brass Company. 191,565; July 22.
Vacuum cleaners and attachments. Robertson-Cataract Electric Company. 177,695; July 22.

CLASS 22.

Fishing line leaders. W. P. MacMasters. 196,962; July 22.
Game. Mah-Jongg Sales Company of America. 176,488; July 22.
Game. Simplex Metal Products Corporation. 197,342; July 22.
Game. J. M. Tees. 195,724; July 22.
Games, Educational. Selchow & Richter Company. 180,343; July 22.
Golf balls and clubs, tennis rackets and balls. B. Altman & Co. 196,044; July 22.
Skates, Ice. Nestor Johnson Mfg. Co. 197,767; July 22.
Toy. L. Neumann. 197,443–4; July 22.

CLASS 23.

Automobile engines, Gasoline-saving devices for. H. G. Schlecht. 196,678; July 22.
Can machinery. Angelus Sanitary Can Machine Company. 196,846; July 22.
Clamps. H. V. Holman. 174,448; July 22.
Crank-case drain-plug adapter. Standard Oil Company. 195,720–2; July 22.
Cream depositors, Machines for making. Rex Products Co. 197,049; July 22.
Engines, Accelerators for combustion. W. S. Schuyler. 180,502; July 22.
Grinding machines and attachments thereto. Norton Company. 190,514; July 22.
Hoists. Wright Manufacturing Company. 197,235; July 22.
Knives and forks, Kitchen and table. J. C. Raisley. 197,559; July 22.
Machines, devices, etc., for making concrete and similar material. Equipment Corporation of America. 163,386; July 22.
Mills and wood saws, Corn. New Williams Mill Company. 189,911; July 22.
Mowers, Lawn. Shapleigh Hardware Company. 185,620; July 22.
Painting and industrial surface finishing equipment, Pneumatic. Spray Engineering Company. 189,822; July 22.
Pet-cock-operating tool. W. Borth. 180,466; July 22.
Pistons. Taylor Manufacturing Company. 196,836; July 22.
Rakes, Lawn. Lindsay Chaplet & Manufacturing Company. 197,440; July 22.
Tool handles. Hartwell Brothers. 182,914; July 22.
Tractors, Hoisting attachments for. Bear Cat Hoist Company. 197,244; July 22.
Vacuum cleaners and parts thereof. G. Drescher. 198,291; July 22.
Valve tappets. John C. Hoof & Company. 186,906; July 22.
Vending machines, Coin-operated. Norris Manufacturing Co. 197,616; July 22.
Wire-blades, Pile-. Lox Seal Corporation. 197,100; July 22.

CLASS 24.

Ironing board. E. V. Sanders. 188,775; July 22.
Washboards. Columbus Washboard Company. 195,496; July 22.

CLASS 26.

Crucibles. Vesuvius Crucible Company. 180,992; July 22.
Hydrometers. Francis L. Freas Glass Works. 193,227; July 22.
Photographic films. Kosmos Photographics, Limited. 196,063; July 22.
Picture films, Motion-. Warner Brothers Pictures, Inc. 195,927; July 22.
Pictures, Motion. Fun Shop, Inc. 195,880; July 22.
Surveying instruments. New York Blue Print Paper Co. 193,115; July 22.

CLASS 27.

Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 197,073; July 22.
Watchcases. A. Kamion. 197,435; July 22.
Watches, clocks, etc. Hoffman Bros., Inc. 194,921; July 22.
Watches, watchcases, watch movements and parts of same. "Liga" Watch Manufactory, Limited. 195,647; July 22.
Watches, watch movements, etc. Elder Company. 196,517; July 22.

CLASS 28.

Diamonds, Imitation. Garfield Importing Co. 193,164; July 22.
Gold and silver plated and metal-plated ware. Weidlich Bros. Mfg. Co. 187,785; July 22.
Rings, bracelets, etc., Finger. Katz & Ogush, Inc. 195,693; July 22.

CLASS 29.

Brooms. South Side Broom Co. 196,831; July 22.
Brushes. Gebroeders Jonker. 194,858–9; July 22.

CLASS 32.

Racks for holding books, newspapers, etc., Adjustable. Adjustable Rack Company. 193,748; July 22.

CLASS 34.

Boilers, Automatic gas-fired. Gas Utilities Corporation. 189,972; July 22.
Burners, Pilot-light controls and igniting devices for. Time-O-Stat Corporation. 195,924; July 22.
Heaters, Combination gas and water. Davis Engineering Corporation. 196,794; July 22.
Heaters, Gas. Ohio State Stove & Mfg. Co. 192,467; July 22.
Ovens, Bakers'. Williams Oven Mfg. Co. 174,872; July 22.

CLASS 35.

Tires and rubber tubes therefor, Vehicle. Fisk Rubber Company. 196,656; July 22.
Tires, tubes, casings, etc., Automobile. New York Auto and Radio Supply Co. 196,185; July 22.
Tires, Vehicle. Fisk Rubber Company. 196,657; July 22.

CLASS 36.

Harmonicas, Mouth. M. Hohner, Inc. 197,202–3; July 22.
Music rolls, Perforated. Har-Mel Music Publishing Company. 193,460; July 22.

CLASS 37.

Card-index system. Roneo Limited. 180,389; July 22.
Envelopes and slips of paper, Apertured. H. C. Spencer. 191,042; July 22.
Index and filing devices, Portable. D. W. Low. 196,600; July 22.
Paper. C. H. Dexter & Sons, Inc. 197,366–7; July 22.
Paper and paper napkins, Crêpe. Tissue Company. 197,692; July 22.
Paper crêpe napkins, wrapping papers, and wrapping tissue papers. Stone and Forsyth Company. 196,989; July 22.
Paper, envelopes, paper napkins, etc. Blake, Moffitt & Towne. 187,287; July 22.
Paper for skin cleaning purposes, Tissue. Continental Paper & Bag Mills Corporation. 197,416; July 22.
Paper, parchment, paper excelsior and napkins, Tissue and wax. Brooks Paper Company. 195,485; July 22.
Paper, Toilet. Austin, Nichols & Co. 180,824; July 22.
Paper, Writing. Combe Printing Co. 197,135; July 22.
Paper, Writing. Empire Paper Company. 197,139; July 22.
Papers, Wrapping and transparent. Westfield River Paper Company. 196,325; July 22.
Pens, Fountain. S. A. Harris. 195,169; July 22.
Pens, Stylographer. J. D. Snow. 197,223; July 22.
Tablets, pencils, crayons, etc., Writing. Myers Paper Company. 196,607; July 22.

CLASS 38.

Cartoons, Series of. F. Fox. 197,740; July 22.
Cartoons, Series of. Tribune Company. 197,507; July 22.
Cartoons, Series of. Tribune Company. 197,514–16; July 22.
Magazine articles. Hardware Dealers' Magazine, Inc. 196,341; July 22.
Magazine or periodical. Bankers Economic Service, Inc. 195,257; July 22.
Newspaper. Journal Company. 190,789; July 22.
Newspaper articles, Heading for. H. Markel. 191,441; July 22.
Newspapers, Title for articles for. W. W. Price. 185,720–1; July 22.
Periodical. Checker Cab Manufacturing Corporation. 191,223; July 22.
Publication. Sego Milk Products Company. 195,418; July 22.
Publication, Market. Victor Buyers' Commodity Service, Inc. 188,287; July 22.
Publications, Coca-Cola Company. 197,657; July 22.
Publications, Periodical. R. A. Carlson. 195,864; July 22.
Stamps for collectors, Postage. F. van der Bom. 196,631; July 22.

CLASS 39.

Aprons, household gloves, etc., Rubber. The Fair. 179,035; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Arm bands, suspenders, etc. Greenebaum, Weil & Michels. 169,592; July 22.
Bandeau for the head. Kaufmann Brothers. 193,668; July 22.
Belts. Gibford-Weiffenbach Company. 178,661; July 22.
Belts, suspenders, etc. Greenebaum, Weil & Michels. 185,018; July 22.
Boots and shoes. Regal Shoe Company. 170,088; July 22.
Boots, shoes and slippers. Munroe Shoe Company. 196,470; July 22.
Boots, shoes, slippers. C. B. Slater Company. 194,573; July 22.
Brassières. Boyshform Brassière Co. 190,760–1; July 22.
Brassières, brassière corsets, bandeaux. Belfit Brassiere Co. 196,950; July 22.
Breeches, Riding. Lieberman Specialty Company. 197,090; July 22.
Breeches, Women's, misses', and girls' riding or service. Lieberman Specialty Company. 197,092; July 22.
Clothing, Men's and boys'. Weil's Clothing Corporation. 197,180; July 22.
Coats and dresses, Ladies' and misses'. Blauner Bros. & Co. 176,944; July 22.
Coats and suits. Siegel Bros. & Burnstine. 196,624; July 22.
Coats, pants, overalls, shirts, etc., Work. Irwin-Phillips Co. 195,292; July 22.
Coats, shirts, hats, etc., for men and boys. Halbiter's Inc. 193,169; July 22.
Coats, trousers, and aprons, White duck. Bostwick Batterson Company. 174,506; July 22.
Coats, vests, trousers, and overcoats for juveniles. B. Landau. 197,158; July 22.
Collars, pyjamas, shirts, etc., Men's and boys'. H. Berger. 195,676; July 22.
Corsets. Sears, Roebuck and Co. 190,615; July 22.
Corsets, brassières, and ladies' underwear. Kops Brothers. 197,085–6; July 22.
Frocks, gowns, and dresses. F. Schneider. 169,034; July 22.
Girdles. Natures Rival Co. 193,613; July 22.
Girdles and corsets. S. O. Grady. 156,787; July 22.
Girdles, Rubber. Thompson-Barlow Co. 191,850; July 22.
Gloves, hosiery, and underwear, corsets, etc. A. Kommel & Sons. 191,075; July 22.
Gloves, Leather. Postman Company. 197,218; July 22.
Hats. Charles Wimpfheimer, Inc. 191,154; July 22.
Hats. Hirschberg & Company. 196,660; July 22.
Hats, Ladies'. H. L. Distillator & Son, Inc. 196,696; July 22.
Hats, Ladies'. S. W. Thorpe. 196,837; July 22.
Hats, Women's. R. H. Macy & Co. 196,394; July 22.
Hats, Women's. E. E. Magnus. 194,115; July 22.
Hosiery. Bellann Hosiery Mills, Inc. 196,568; July 22.
Hosiery. Chipman Knitting Mills. 191,530; July 22.
Hosiery. Gano-Downs Clothing Company. 196,054; July 22.
Hosiery. Nicholson-Feinberg, Inc. 196,614; July 22.
Hosiery. Philadelphia Knitting Mills Company. 190,517; July 22.
Hosiery. S. Schleisner. 196,766; July 22.
Hosiery and gloves. Weil & Jacobs, Inc. 184,535; July 22.
Hosiery and shirts. Simon E. Davis & Co. 194,336; July 22.
Knickerbockers, Ladies', misses', and girls'. Lieberman Specialty Company. 197,093; July 22.
Neckties. Cluett, Peabody & Co. 195,493; July 22.
Overcoats. Kleinmark Company. 194,544; July 22.
Overcoats, coats, vests, trousers, and raincoats. A. I. Namm & Son. 196,069; July 22.
Raincoats and overcoats for men and boys. B. Fligel. 197,142; July 22.
Robes, Men's. Pollak Behrens & Company. 196,674; July 22.
Shoes. Central Shoe Company. 191,528; July 22.
Shoes. J. E. French Co. 196,700; July 22.
Shoes. Hamilton, Brown Shoe Company. 176,977; July 22.
Shoes. Hamilton, Brown Shoe Company. 176,982; July 22.
Shoes. Hamilton, Brown Shoe Company. 176,984; July 22.
Shoes, boots, and slippers. B. F. Goodrich Company. 179,936; July 22.
Shoes, Boys' and girls'. Hamilton, Brown Shoe Company. 176,983.
Shoes, Infants' and children's. Glaser Shoe Company. 197,070; July 22.
Shoes, Men's. Hamilton, Brown Shoe Company. 176,976; July 22.
Shoes, Men's. Hamilton, Brown Shoe Company. 176,990; July 22.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 176,966; July 22.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 176,987; July 22.
Shoes, Men's and boys'. Hamilton, Brown Shoe Company. 178,443; July 22.
Spats. Eagle Knitting Mills. 189,362; July 22.
Stockings, Infants' and children's. C. Sarfert. 197,052; July 22.
Suits and coats. Harris & Frank. 195,640; July 22.
Suits, Boys'. R. H. Macy & Co. 177,980; July 22.
Suits, dresses, hats, etc. John Wanamaker, Philadelphia. 196,280; July 22.
Suits, Men's. Hecht Co. 196,808; July 22.
Suits, Men's. Wm. Marnitz Co. 192,080; July 22.
Suits, Men's. Morotock Mfg. Co. 196,924; July 22.
Sweaters. Greater Manhattan Knitting Mills, Inc. 196,805; July 22.
Sweaters, bathing suits, knitted mittens, etc. D. Nusbaum & Co. 192,490; July 22.
Undergarment for women. Model Brassiere Co. 196,065; July 22.
Underwear. American Wholesale Corporation. 131,099; July 22.
Underwear. R. L. Margolyes. 194,013; July 22.
Underwear. P. V. Sherwood. 186,528; July 22.
Underwear, Knit. Miami Valley Knitting Mills Company. 197,103; July 22.
Vests, bloomers, chemises, etc., Ladies'. Wyman, Partridge & Co. 195,429; July 22.

CLASS 40.

Barrettes. Pacific Novelty Company. 197,899; July 22.
Buckles, buckles and clasps for shoes, Belt. Riker Company. 179,056; July 22.
Needles, Crochet and knitting. J. M. Ortega. 180,024; July 22.
Needles, Crochet and knitting. J. M. Ortega. 180,026; July 22.
Needles, crochet hooks, knitting pins, hatpins. British Needle Company Limited. 190,401; July 22.

CLASS 42.

Broadcloth. Fairfax Textile Mills, Inc. 188,191; July 22.
Cotton and woolen piece goods. Rojo Fabian & Co. 196,971; July 22.
Cotton blankets and cotton piece goods. Massachusetts Cotton Mills. 198,005–8; July 22.
Cotton blankets and cotton piece goods. Massachusetts Cotton Mills. 198,010–17; July 22.
Cotton goods. American Bleached Goods Company. 166,337; July 22.
Cotton piece goods. American Bleached Goods Company. 176,938; July 22.
Cotton piece goods. Barsa Corporation. 197,984; July 22.
Cotton piece goods. Klauber Bros. & Co. 186,382; July 22.
Cotton piece goods. Millville Manufacturing Company. 182,924; July 22.
Cotton piece goods. Millville Manufacturing Company. 185,485; July 22.
Duck, Cotton. Pittsburg Waterproof Company. 189,270; July 22.
Fabrics and ribbons, Piece. Independent Industries, Inc. 194,542; July 22.
Fabric in the piece. S. Stroock & Company. 188,938–9; July 22.
Hair nets. Rieser Company. 196,075; July 22.
Hair nets. Sitroux Importing Co. 197,564; July 22.
Mats, Table. H. S. Sampliner. 189,918; July 22.
Piece goods. Keystone Piece Dye Works. 198,003; July 22.
Ribbon, Satin. Ely & Walker Dry Goods Company. 194,987; July 22.
Sheetings, sheets and pillowcases. William R. Moore Dry Goods Company. 197,950; July 22.
Sheets, Stockmen's bed. Crawford-Austin Manufacturing Co. 198,124; July 22.
Silk and cotton mixed piece goods, etc. H. Jacob & Sons, Inc. 196,871; July 22.
Silk and cotton piece goods and combinations thereof. Fried, Mendelson & Company. 194,533; July 22.
Silk piece goods. Duplan Silk Corporation. 198,061; July 22.
Silk piece goods, Artificial-. M. I. Halperin. 197,482; July 22.
Textile fabrics. Oriental Silk Printing Company. 197,108; July 22.
Textiles in the piece. Hart Silk Company. 196,866; July 22.
Towels and toweling. Boott Mills. 177,163; July 22.
Towels, wash rags, bath mats, etc. Hohlfeld Manufacturing Company. 196,745; July 22.
Wool piece goods. Roubaix Mills, Inc. 198,154; July 22.
Wool, wool cloth, etc. Kunst & Small Co. 197,669; July 22.
Woolen goods. J. A. Doyle. 150,062; July 22.
Woolen goods. S. Stein & Co. 196,354; July 22.

CLASS 43.

Silk thread or yarn, Artificial. Peri-Lusta, Limited. 198,027; July 22.
Threads. World Thread Co. 197,234; July 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 44.

Absorbedt fabrics. Absorbent Products Corporation. 196,783; July 22.
Catamenial bandages. E. B. Wilson. 186,173; July 22.
Dental amalgam. I. Stern & Company. 168,808; July 22.
Electrical apparatus. Karlsruher Kunstgewerbliche Werkstätten C. F. Otto Müller G. m. b. H. 197,082; July 22.
Finger tips. Taperite Company. 196,889; July 22.
Sterilizers and bacteriological incubators. Wilmot Castle Company. 189,875; July 22.
Toothpicks. R. Sweers. 179,014; July 22.
Undergarments, Ladies' sanitary. Helene Manufacturing Co. 194,798; July 22.

CLASS 45.

Beverage and concentrate for making same. A. R. Florita. 198,301; July 22.
Beverages. Soc. An. Fsco. Cinzano & Cia. 180,245; July 22.
Beverages. Stimulade Company. 197,177; July 22.
Beverages and sirups for making the same. M. A. Simons. 197,455–6; July 22.
Beverages sold as soft drinks. H. B. Hunter Company. 193,461; July 22.
Grape juice. H. Johnson. 198,459; July 22.
Grape juice. M. Prince. 196,928; July 22.
Grape juice and cider. Ginter Company. 197,806; July 22.
Sirup, Fruit. Great Atlantic & Pacific Tea Company. 196,454; July 22.
Sirup, Pomegranate. R. B. Meredith. 191,495; July 22.

CLASS 46.

Apples. Earl Fruit Company of the Northwest. 184,964; July 22.
Bacon, potted ham, etc. Libby, McNeill & Libby. 179,477; July 22.
Biscuits and patty shells. S. H. Perky. 179,680; July 22.
Bread. Nafziger Baking Company. 190,309; July 22.
Bread. United Bakeries Corporation. 196,273–7; July 22.
Bread, doughnuts, toast, etc. Purity Baking Co. 193,307; July 22.
Cake. Pacific Coast Biscuit Co. 190,807; July 22.
Candy. Allen-Qualley Company. 189,999; July 22.
Candy. Collins-Hencke Candy Co. 197,363; July 22.
Candy. E. F. Dalton. 197,260; July 22.
Candy. Hollingsworth Candy Co. 177,781; July 22.
Candy. Hol-som Candy Specialty Co. 196,459; July 22.
Candy. F. R. Perkins. 196,263–70; July 22.
Candy. Repetti, Inc. 193,355; July 22.
Candy. Spaude & Son. 162,146; July 22.
Candy bars. Hood's Candy Company. 193,922; July 22.
Candy bars. J. Vinikow. 185,945; July 22.
Candy, nuts, confections. W. Prentiss, jr. 194,476; July 22.
Canned caviar. Russian Food Products Company. 197,051; July 22.
Canned figs. Sussman, Wormser & Co. 195,465; July 22.
Canned fish. R. E. Cotter Co. 196,156–7; July 22.
Canned food products. La Choy Food Products. 196,392; July 22.
Canned fruits and vegetables. California Co-Operative Canneries. 191,301; July 22.
Canned fruits and vegetables and dried fruits. Hunt Brothers Packing Company. 189,003; July 22.
Canned goods, tea, coffee, etc. Pacific Wholesale Grocery Co. 196,134; July 22.
Canned goods, vinegar, coffee, etc. Mebius & Drescher Co. 190,169; July 22.
Canned shrimp. White Coast Packing Co. 189,926; July 22.
Canned vegetables. Bloomington Canning Co. 194,516; July 22.
Canned vegetables. Krier Preserving Company. 196,666; July 22.
Cattle and live poultry and their products and farm products. G. M. Hendee. 186,904; July 22.
Chocolate bars. Roach Tisdale & Co. 197,561; July 22.
Coconut, Prepared. Franklin Baker Company. 197,744; July 22.
Coconut, Prepared. Franklin Baker Company. 197,750; July 22.
Coffee. Geo. W. Caswell Co. 197,581–2; July 22.
Coffee. Jas. H. Forbes Tea & Coffee Co. 194,235–6; July 22.
Coffee. Peerless Coffee Company. 170,950; July 22.
Coffee. Wisconsin Coffee Company. 193,977; July 22.
Corn meal. City Mills Co. 196,233; July 22.
Cornstarch and brewers' grits. Corn Products Refining Company. 194,259; July 22.
Crackers and biscuits, Soda. Pacific Coast Biscuit Company. 180,719; July 22.
Dairy ration, feed, etc. Texas Mill & Elevator Company. 169,427; July 22.
Eggs. John P. Figenbaum & Company. 196,655; July 22.
Eggs. Royal Poultry Farm. 174,801; July 22.
Feed, Stock and poultry. Washburn Crosby Company. 193,259; July 22.
Flavors for foods. Southern Beverage Company. 196,938–9; July 22.
Flavoring compound, Imitation-lemon. B. Heller & Company. 197,539; July 22.
Flavoring compound, Imitation-orange. B. Heller & Company. 197,540; July 22.
Flavoring extracts. Fritzsche Brothers, Inc. 197,143; July 22.
Flavoring extracts, Food-. Luverne Extract Company 193,936; July 22.
Flour. Mountain City Mill Co. 197,765–6; July 22.
Flour and malze flakes, Corn. Knefler-Bates Mfg. Co. 197,155; July 22.
Flour, Pancake. L. R. Donelson, jr. 197,587; July 22.
Flour, Wheat. Cleveland Milling Co. 196,333; July 22.
Flour, Wheat. Cleveland Milling Company. 196,365; July 22.
Food drinks. Maltop Inc. 195,974; July 22.
Food preparation, Organic. Dr. Laboschin-Hageda Aktiengesellschaft Fabrik Chemisch-Pharmacentischer Präparate. 185,930; July 22.
Food sirups, candies, nuts, etc. Paulais Co. 159,277; July 22.
Fruit, Fresh deciduous. F. W. Barkhaus & Sons. 196,566; July 22.
Fruits and vegetables. E. H. Spiegl. 196,682; July 22.
Fruits, Fresh and canned. Randolph & Miller. 187,640; July 22.
Fruits, fresh grapes, melons, and fresh vegetables. W. M Nelson. 197,896; July 22.
Gum, Chewing. Goudey Gum Co. 194,271; July 22.
Hams and bacon. Higgin's Packing Company. 164,909; July 22.
Hams and bacon. Rath Packing Company. 193,070; July 22.
Ice cream. Shumway, Hawk & Thomas. 194,820; July 22.
Ice-cream preparation. G. H. Clem. 177,165; July 22.
Lard and bacon. Pittsburgh Provision and Packing Company. 196,968; July 22.
Lobster, Shredded. Soy Bean, Flour & Oboroebi Mfg. Co. 192,585; July 22.
Mayonnaise. E. W. Hellwig. 188,555; July 22.
Meats. E. Kahn's Sons Company. 182,348; July 22.
Milk, Condensed and evaporated. Dairymen's League Co-operative Association, Inc. 179,363; July 22.
Milk, Evaporated skimmed. Universal Milk Company. 196,357; July 22.
Peanut butter. Wilmar Manufacturing Company. 196,843; July 22.
Potato chips. N. J. Shamey. 197,836; July 22.
Raisins, Dried. Sun-Maid Raisin Growers of California. 188,389; July 22.
Rice products. John Crampton and Company. 197,803; July 22.
Salad dressing. Scholl Bros. 175,327; July 22.
Sandwiches, Crab and shrimp. A. J. Bradley. 194,782–3; July 22.
Sausage, bacon, corned beef, etc. Pittsburgh Provision and Packing Company. 196,966; July 22.
Sirup, Corn. Anheuser-Busch, Inc. 192,053; July 22.
Sirup for food purposes, Malt. H. Mihm. 185,484; July 22.
Tea. Jas. H. Forbes Tea & Coffee Co. 193,815; July 22.
Vegetables and hampers for shipping same. R. B. White. 195,086; July 22.
Vinegar. Roanoke Apple Products Co. 184,517; July 22.

CLASS 48.

Beverages, extracts, and liquors, Malt. W. Koester. 182,156; July 22.
Sirup, Malt. Royal Malt & Hops Co. 194,570; July 22.

CLASS 50.

Educational device. United Last Company. 196,414; July 22.
Rat-catching compound. Federal Laboratories. 195,269; July 22.
Rubber household sheeting. The Fair. 179,036; July 22.
Stencils. J. J. Kann. 185,659; July 22.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbey, Samuel C., assignor of one-third to E. Reilly and one-third to W. J. Reynolds, New York, N. Y. Individual frying pan. Des. 65,213; July 22.
Abbott, Clarence E. (See Ball, E., and Abbott.)
Abercrombie, James S., Houston, Tex. Fishing tool. 1,502,416; July 22.
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Decorative roofing. 1,502,003; July 22.
Abraham, Robert M., Westminster, London, England. Theodolite, spectroscope, and the like. 1,502,223; July 22.
Acher, Albert H., Lake Forest, Ill. Adjustable mold form for concrete beams. 1,502,323; July 22.
Acme Artificial Silk Company, The. (See Huttinger, Charles A., assignor.)
Adams, Clarence F. (See Corbett, M. Q., Huffman, and Adams.)
Adams, Roger, and J. R. Johnson, Urbana, Ill. Compound having a trypanocidal action. 1,501,894; July 22.
Adkins, Marion W., Kansas City, Mo. Airship. 1,502,084; July 22.
Aeolian Company, The. (See, Dickinson, Joseph H., assignor.)
Aeromarine Plane and Motor Company. (See Chilton, Roland, assignor.)
Akins, Randall P., J. W. Bucher, and F. D. Gross, Denver, Colo. Gas and liquid contact device. 1,502,004; July 22.
Allen, Robert C., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Maneuvering valve. 1,502,005; July 22.
Allen, Robert C., Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company. Gearing. 1,502,224; July 22.
Allerton, Samuel E., Chicago, Ill. Machine for scoring can bodies. 1,501,893; July 22.
Alles, Gordon A. (See Calvert, R., Dern, and Alles.)
Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Wringer. 1,502,225; July 22.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
Alvord, Charles C., Worcester, Mass. Educational article. 1,502,006; July 22.
Alvord, John F. (See Molyneux, George E., assignor.)
American Abrasive Metals Company. (See Sayre, William H., assignor.)
American Bank Note Company. (See Smith, Amos H., assignor.)
American Button & Fastener Co. (See Latham, Albert, assignor.)
American Dan Bottle Seal Corporation. (See Nordstrom, Elof, assignor.)
American Homes Bureau. (See Brown, Irving L., assignor.)
American Lurgi Corporation. (See Krause, Georg A., assignor.)
American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
American Telephone and Telegraph Company. (See Martin, W. H., and Shaw, assignors.)
American Telephone and Telegraph Company. (See Shaw, Thomas, assignor.)
Ammidown, Harry F., Southbridge, Mass. Map mounting and means for operating it. 1,502,536; July 22.
Anakin, Arthur E., assignor to Anakin Specialty Manufacturing Company, Long Beach, Calif. Holdup-preventing device. 1,502,537; July 22.
Anakin Specialty Manufacturing Company. (See Anakin, Arthur E., assignor.)
Anchor Cap & Closure Corporation. (See Jaeger, Max, assignor.)
Anderson, Arthur J., Binford, N. Dak. Fountain lather brush. 1,502,538; July 22.
Anderson, Carl E., assignor to Bolling Manufacturing Company, Grand Haven, Mich. Forming turnbuckles. 1,502,133; July 22.
Anderson, Carl G., Akron, Ohio. Rim-attaching table. 1,501,980; July 22.
Anderson, Charles, New York, N. Y. Splash preventer. 1,502,287; July 22.
Anderson, Duncan M., Toronto, Ontario, Canada. Shaving brush. 1,502,226; July 22.
Anderson, Emil, et al. (See Petersen, W., and Miller, assignors.)
Anderson, James B., Shaler Township, Allegheny County, Pa. Gas burner. 1,502,286; July 22.
Andrews, Launcelot W., Chicago, and L. D. Mathias, Chicago Heights, Ill. Composition for fireproofing and other purposes. 1,501,895; July 22.
Armington, Arthur A., et al, executors. (See Wardwell, Simon W.)
Armstrong, Edward P., Portland, Oreg. Saw-sharpening machine. 1,502,085; July 22.
Arndt, Franklin E., assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio. Stone distributor and leveler. 1,502,007; July 22.
Arnstein, Karl, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Panel work for light structures. 1,502,227; July 22.
Arnstein, Karl, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Wire and rope clamp. 1,502,417; July 22.
Arnstein, Karl, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Wire and rope clamping device. 1,502,418; July 22.
Asbill, Fletcher G., Ridge Springs, S. C. Poison applier. 1,502,539; July 22.
Ascherin, Hugo J., and R. W. Loomis, East Troy, Wis. Internal-combustion engine. 1,502,609; July 22.
Attallah, Michael A., Toronto, Ontario, Canada. Oil burner. 1,502,228; July 22.
Auld, D. L., Company, The. (See Auld, Frederick H., assignor.)
Auld, D. L., Company, The. (See Brooks, Stanley G., assignor.)
Auld, Frederick H., assignor to The D. L. Auld Company, Columbus, Ohio. Automobile door handle. Des. 65,214; July 22.
Austin Manufacturing Co. (See Bentty, W. T., Davis, and Wilson, assignors.)
Austin Manufacturing Company. (See Wilson, F. D., and Burns, assignors.)
Automatic Electric Company. (See Wicks, John, assignor.)
Automatic Straight Air Brake Company. (See Neal, Spencer G., assignor.)
Autoyre Company, The. (See Mosgrove, Charles A., assignor.)
Babcock & Wilcox Company, The. (See Irish, David J., assignor.)
Bagley, Fred A., Cedar Rapids, Iowa. Tank heater. 1,502,008; July 22.
Bailey, Cameron V., New York, N. Y. Apparatus for use in sampling gas for analysis. 1,502,324; July 22.
Bailey, Frederick W. (See De Forcest, E. J. W., and Bailey.)
Baker, Phillip, Malden, Mass. Mattress-filling machine with double rotary beater. 1,502,367; July 22.
Bakke, Laurits K. O., Emmetsburg, Iowa. Carrier-operating mechanism for binders. 1,502,102; July 22.
Bal, William, Newark, N. J. Folding box. 1,501,896; July 22.
Ball, Charles F., Peoria, Ill., assignor to Research Corporation, New York, N. Y. Nonskid chain attachment for motor vehicles. 1,502,009; July 22.
Ball, Edwin, Birmingham, and C. E. Abbott, Bessemer, Ala. Mining. 1,501,936; July 22.
Bamberger Reinthal Company, The. (See Reinthal, Sol, assignor.)
Banks, Alfonso A., New York, N. Y. Toy. 1,502,010; July 22.
Bannister, Grant A., assignor of one-half to M. E. Dentler, Bridgeport, Conn. Sandwich dispenser. 1,502,325; July 22.
Bardsley, Willard W., et al., executors. (See Wardwell, Simon W.)
Baron, Charles S., Tiffin, Ohio. Jar for sugar and the like. 1,501,981; July 22.
Barr, James M. M., London, England. Calculating machine. 1,502,610; July 22.
Bart, Eugene. (See Shearer, George T., assignor.)
Bauer, John A., assignor to The Lamson Company, Boston, Mass. Carrier dispatch system. 1,502,326; July 22.
Bauer, John A., Boston, Mass., assignor to The Lamson Company, Syracuse, N. Y. Signal-actuating device for dispatch systems. 1,502,327; July 22.

Baumgartner, Joseph P., Philadelphia, Pa. Garter clasp. 1,502,011; July 22.

Beard, William M., et al., executors. (See Sayre, William H.)

Beat, William N., Cicero, Ill. Golf club. 1,502,328; July 22.

Beatty, William T., Flossmoor, F. S. Davis, Homewood, and F. D. Wilson, Harvey; said Davis and said Wilson assignors to Austin Manufacturing Co., Chicago, Ill. Double control for road-roller scraper attachments. 1,502,086; July 22.

Bebry, Percival P., assignor to The Englander Spring Bed Company, Brooklyn, N. Y. Bedivan. 1,502,329; July 22.

Bechtold, William S., Newark, N. J. Jewelry cabinet. Des. 65,215; July 22.

Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,502,540; July 22.

Beck-Frost Corporation. (See Beck, Charles W., assignor.)

Bee, William E., assignor to Palmer-Bee Company, Detroit, Mich. Reduction gearing. 1,502,456; July 22.

Beetz, Hans B., San Francisco, Calif. Tack puller. 1,502,229; July 22.

Beggs, Thomas R., Hartford, Conn. Flushometer. 1,502,541; July 22.

Belais, David, New York, N. Y. Finger ring. Des. 65,216; July 22.

Belais, David, New York, N. Y. Finger ring. Des. 65,217; July 22.

Bell, H. G. (See Kennedy, James B., assignor.)

Bell, Joseph B. (See McCoy, Robert H., assignor.)

Benedict, Edward L., Sewickley, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Wire fabric. 1,502,012; July 22.

Benjamin, Bert R., Oak Park, assignor to International Harvester Company, Chicago, Ill. Traction wheel. 1,501,937; July 22.

Bennett, Charles B., assignor to James Clark, jr., Electric Company, Louisville, Ky. Electric tool. 1,502,169; July 22.

Bennett, John O. (See O'Connell, James R., assignor.)

Benois, Edouard P., Paris, France, assignor to Coty, Inc., New York, N. Y. Ornamental box. 1,502,013; July 22.

Bergquist, John A., Duluth, Minn. Water-heating gas plate. 1,502,170; July 22.

Bermes, John W. (See Patrick, H. E., Peterson, and Bermes.)

Bernini, Arciero, Genoa, Italy. Electroscopic apparatus for testing the genuineness of woolen and silk materials. 1,502,330; July 22.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-clamping machine. 1,502,014; July 22.

Best, Norman A., Midland, Mich. Aligning jig. 1,502,542; July 22.

Biggs, Arthur D., South Bend, Ind. Basket-cover fastener. 1,502,368; July 22.

Bishir, Marion S., Canyon, Tex. Valve-grinding device. 1,502,015; July 22.

Bishop, Alfred F., Audubon, N. J. Shrubbery clipper. 1,502,331; July 22.

Blaylock, Avery E., Little Rock, Ark. Signal system for railway cars. 1,502,419; July 22.

Bliss, E. W., Company. (See Thoma, Walter, assignor.)

Blum, Ulrich, Kiel, Germany. Periscope. 1,502,230; July 22.

Blumenthal, Sidney, & Co. (See Kozlay, Clarence V., assignor.)

Bockwitz, Andrew J., Twin Falls, Idaho. Shock absorber. 1,502,231; July 22.

Boddy, Marlett D., London, England. Marine life-saving appliance. 1,502,543; July 22.

Boedecker, Harry E., Benham, Ky. Wheeled sounding toy. 1,502,611; July 22.

Boettcher, Gallus E. (See Holl, J., and Boettcher.)

Bolling Manufacturing Company. (See Anderson, Carl E., assignor.)

Booth, Jesse, Blythedale, Mo. Poultry feeder. 1,502,171; July 22.

Booty, Stuart B., Dulwich Hill, near Sydney, New South Wales, Australia. Reproducer for talking machines. 1,502,332; July 22.

Bory, Georges H. L. G. (See Galliot, Norbert J. A., assignor.)

Boston, John, Newark, N. J., assignor, by mesne assignments, to T. H. Carter. Strip-feeding mechanism for sewing machines. 1,502,544; July 22.

Bourque, David, assignor to G. W. J. Murphy Company, Amesbury, Mass. Turnbutton fastener. 1,501,982; July 22.

Bowden, Junius A., Los Angeles, Calif., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Spring holder for attaching dust caps. 1,502,232; July 22.

Bowes, Nelson M., Saybrook, Conn. Strainer for gasoline tanks. 1,502,545; July 22.

Boye, James H., Chicago, Ill. Shelf support. 1,502,288; July 22.

Boyer, Oram A., Chester, Pa. Fluid-jet motor. 1,502,289; July 22.

Boynton, Vern K., New York, and P. W. Webster, Pelham Manor, N. Y., assignors to Perry & Webster Incorporated, Elizabeth, N. J. Masonry construction for chemical apparatus. 1,501,938; July 22.

Bradshaw, George L. (See Swindler, R. M., and Bradshaw.)

Braender, Walter P., Montclair, N. J. Automobile tire. Des. 65,218; July 22.

Braley, Charles L., assignor of one-half to C. F. Noftzger, Chicago, Ill. Marking-pin holder. 1,501,897; July 22.

Braunstein, Roger, Paris, France. Device for interfolding sheets of paper. 1,502,333; July 22.

Brecker, Max, Brooklyn, N. Y. Combined bust and skirt form. 1,502,457; July 22.

Brennan, James M., Los Angeles, Calif. Motor meter. 1,501,898; July 22.

Brindley, Charles F., Sheffield, England. Wind musical instrument. 1,502,369; July 22.

Brintzenhofe, Walter, Bluffton, Ind. Fishing-reel attachment. 1,501,939; July 22.

Brooks, Arthur H., administrator. (See Willson, Robert W.)

Brooks, Edward J., East Orange, N. J. Open-face sleeve seal. 1,502,458; July 22.

Brooks, Stanley G., assignor to The D. L. Auld Company, Columbus, Ohio. Automobile radiator cap. Des. 65,219; July 22.

Brown & Bigelow. (See Welcker, Paul H., assignor.)

Brown, Charles A. (See Colby, Vincent V., assignor.)

Brown, Edward A., Fort Worth, Tex. Ventilator. 1,501,940; July 22.

Brown, George H., Market Harborough, England. Change-speed belt gearing. 1,502,420; July 22.

Brown, Irving L., assignor to American Homes Bureau, Chicago, Ill. Badge. Des. 65,220; July 22.

Brown, Lz Adam, Alto, Mich. Pneumatic rubber tire. Des. 65,221; July 22.

Brunhoff, Edward, Cincinnati, Ohio. Display and vending apparatus. 1,501,983; July 22.

Bucher, John W. (See Akins, R. P., Bucher, and Gross.)

Buchli, Jacob, Baden, Switzerland. Combined steam and internal-combustion locomotive. 1,502,546; July 22.

Buckeye Iron & Brass Works. (See Sheppard, O., jr., and Trace, assignors.)

Buckner, Frank. (See Wells, R. L., and Buckner.)

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Buerkle, Lewis J. (See Elliott, R. W., Johnston, and Buerkle.)

Bullard, Edwin E., Fresno, Calif. Traffic-movement indicator for vehicles. 1,502,370; July 22.

Bunns, Julius, Malden, Mass. Boot or shoe. 1,502,087; July 22.

Bunting, Norman E., Chicago, Ill., assignor to International Harvester Company. Feeding mechanism for potato planters. 1,501,941; July 22.

Burd High Compression Ring Company. (See Higgins, George H., assignor.)

Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,502,640; July 22.

Burns, Leonard S. (See Wilson, F. D., and Burns.)

Buss Metal Window Company. (See Buss, Otto W. L., assignor.)

Buss, Otto W. L., assignor to Buss Metal Window Company, Minneapolis, Minn. Mason's tool. 1,502,371; July 22.

Butler Bros. (See Guenthermann, Hans, assignor.)

Byrne, John E., Plattville, Wis. Tapping machine. 1,502,016; July 22.

C. G. Spring & Bumper Company, The. (See Girl, C. and Utz, assignors.)

Capstan Glass Company. (See Kucera, Peter, assignor.)

Cady, Harrison, Brooklyn, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box or similar article of manufacture. Des. 65,222; July 22.

Cain, John J., Bayonne, N. J. Knockdown shipping container. 1,502,334; July 22.

Callanan, James T., jr., assignor to Parkersburg Machine Company, Parkersburg, W. Va. Packer. 1,502,372; July 22.

Calvert, Robert, K. L. Dern, and G. A. Alles, Lompoc, Calif. Diatomaceous-earth product and making the same. 1,502,547; July 22.

Campbell, Harry E., New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md. Slidable window sash. 1,502,644; July 22.

Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)

Campbell, Sterling H., St. Louis, Mo. Brake-shoe key. 1,502,459; July 22.

Carbery, James L., Rock Hill, S. C. Steam cooking apparatus. 1,502,172; July 22.

Carborundum Company, The. (See Tone, Frank J., assignor.)

Carlson, Robert C., Chicago, Ill. Reenforcing corner for boxes. 1,502,017; July 22.

Carman, Denslay L., Selby, S. Dak. Game. 1,501,942; July 22.

Caron Corporation. (See Daltroff, Ernest, assignor.)

Carr & Company. (See Greenwood, Rowland, assignor.)

Carrick, Gerald S., Chicago, Ill. Automatic control device. 1,502,548; July 22.

Carter, Thomas H. (See Boston, John, assignor.)

Carty, Maurice W., Boston, Mass. Apparatus for separating solid particles from a gas stream containing them. 1,502,135; July 22.

Carver, Fred S., East Orange, N. J. Filling apparatus for presses. 1,502,335; July 22.

Casale Ammonia Company. (See Casale, Luigi, assignor.)

Casale, Luigi, Rome, Italy, assignor to Casale Ammonia Company, Lugano, Switzerland. Making catalyst. 1,502,336; July 22.

Casazza, Valentino, Vineland, N. J. Brooder. 1,502,549; July 22.

Casey, Charles C., Detroit, Mich. Workholder. 1,502,613; July 22.

Cellars, Robert W., Delaware, Ohio. Garment. 1,502,614; July 22.

Central Radiator Company. (See Weiss, Charles, assignor.)

Chamberlin, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Aerial camera. 1,502,173; July 22.

Chamberlain, George L., Chicago, Ill. Electrical connection. 1,502,550; July 22.

Chapman, Royal N., St. Paul, Minn. Fumigant. 1,502,174; July 22.

Chicago Pneumatic Tool Company. (See Smith, William A., assignor.)

Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane and Motor Company. Internal-combustion-engine starter. 1,502,018; July 22.

Christensen, Carl V. J., et al., executors. (See Wardwell, Simon W.)

Christy, Russ J., Fremont, Ohio. Skin smoothing and stretching device for safety razors. 1,502,615; July 22.

Church, Harold D., Fairfield, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y. Vehicle spring suspension. 1,502,616; July 22.

Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)

Cincinnati Planer Company, The. (See Glosh, Frederick P., assignor.)

Citizens of the United States of America. (See Paine, H. S., and Hamilton, assignors.)

Clapham, Charles F., Newport News, Va. High-speed reduction gearing. 1,502,175; July 22.

Clark, A. C., & Company. (See Crane, Robert G., assignor.)

Clark, A. C., & Company. (See Hanberg, John V., assignor.)

Clark, George H., Brooklyn, N. Y., assignor to Radio Corporation of America. Radio signaling apparatus. 1,502,460; July 22.

Clark, James, jr., Electric Company. (See Bennett, Charles B., assignor.)

Clauss, Max O., New York, N. Y. Tubular-band-making machine. 1,502,134; July 22.

Clayton & Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)

Clear, Charles J., and G. M. Webber, Portland, Oreg. Exhaust box. 1,502,019; July 22.

Cleveland Rock Drill Company, The. (See Nell, Gustave M., assignor.)

Cline, William, Lancaster, Pa. Reflector. 1,502,617; July 22.

Coffee Products Corporation. (See Wimmer, Karl H., assignor.)

Colby, Vincent V., Chicago, assignor to C. A. Brown, Hinsdale, Ill. Cutting and sawing device. 1,502,088; July 22.

Coleman, Clyde W., Lincoln, Nebr. Oil-strainer heater. 1,502,290; July 22.

Compagnie des Forges & Acieres de la Marine & d'Homecourt. (See Rimailho, Emile, assignor.)

Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)

Conger, Samuel, Indianapolis, Ind. Musical instrument. Des. 65,223; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,224; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,225; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,226; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,227; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,228; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,229; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,230; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,231; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,232; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,233; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,234; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,235; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,236; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,237; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,238; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,239; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,240; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,241; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,242; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,243; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,244; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,245; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box cover or similar article of manufacture. Des. 65,246; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Tray or similar article of manufacture. Des. 65,247; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box or similar article of manufacture. Des. 65,248; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box or similar article of manufacture. Des. 65,249; July 22.

Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box or similar article of manufacture. Des. 65,250; July 22.

Conrad, Henry S., trustee. (See Lundquist, Frank A., assignor.)

Conti, John D., Philadelphia, Pa. Sheet-turning device. 1,502,176; July 22.

Conway, George F., Tenafly, N. J. Valve for motors. 1,502,291; July 22.

Cook, Willard C., Clovis, Calif. Fruit basket. Des. 65,251; July 22.

Cooper, Abraham, Brooklyn, N. Y. Lighting-fixture ring. 1,502,461; July 22.

Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Enamel opacifying composition and making the same. 1,502,421; July 22.

Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Zirconium-containing composition and making the same. 1,502,422; July 22.

Corbett, Matt Q., W. E. Huffman, and C. F. Adams, Dayton, Ohio. Captive balloon. 1,502,551; July 22.

Cossitt, Malcolm L., Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding attachment for typewriters. 1,502,177; July 22.

Cossitt, Malcolm L., Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding platen for typewriters. 1,502,178; July 22.

Coty, Inc. (See Benois, Edouard P., assignor.)

Cox, Charles P., Toledo, Ohio. Kitchen implement. 1,502,497; July 22.

Cozine, Benjamin H., Louisville, Ky. Automobile curtain and top. 1,502,423; July 22.

Crane, Robert G., assignor to A. C. Clark & Company, Chicago, Ill. Dental appliance. 1,502,292; July 22.

Creveling, John L., White Plains, N. Y., assignor to Gould Coupler Company. Electric regulation. 1,502,373; July 22.

Creveling, John L., Tucson, Ariz., assignor to Gould Coupler Company. Electric regulation. 1,502,374; July 22.

Crofut & Knapp Company, The. (See Josephs, Abraham, assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Crompton, Randolph. (See Rankin, W. H., and Marsh, assignors.)

Crone, Seth A., East Orange, N. J. Strut for railway brake beams. 1,501,899; July 22.

Crowell, Erd V., Tulsa, Okla. Apparatus for and method of cementing oil-well casings. 1,502,179; July 22.

Crum, Roland R., Whittier, Calif. Casing perforator. 1,502,375; July 22.

Curti, Ernesto, Milan, Italy. Pneumatic hammer. 1,502,233; July 22.

Curtis, Harry F., Philadelphia, Pa. Apparatus for cleaning gravel and the like. 1,502,462; July 22.

Dahl, John L., Teaneck, and R. H. Frech, Bogota, N. J., assignors to The Electrisan Corporation, Philadelphia, Pa. Cleaner for tumblers or the like. 1,502,441; July 22.

Dahlberg, C. F. (See Munroe, Treadway B., assignor.)

Dahlberg, C. F. (See Shaw, John K., assignor.)

Daimler, Paul, Cannstatt, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Toothed wheel-driving mechanism for motor vehicles. 1,502,089; July 22.

Daimler, Paul, Cannstatt, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Running gear for motor cars. 1,502,090; July 22.

Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)

Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Glass-polishing machine. 1,502,136; July 22.

Daltroff, Ernest, Paris, France, assignor to Caron Corporation, New York, N. Y. Bot. Des. 65,252; July 22.

Damm, Arvid G., Ronninge, Sweden. Production of ciphers. 1,502,376; July 22.

Danielson, Frank, Chicago, Ill. Motor stand. 1,502,293; July 22.

Danziger, Jacob C., assignor to Detroit Motor Castings Company, Detroit, Mich. Steering wheel. 1,502,020; July 22.

Davies, Frank P., Rock Island, Ill. Dental flask press. 1,502,377; July 22.

Davis, Charles E., assignor to Handy Auto Bed Company, Inc., Bend, Oreg. Folding bed for automobiles. 1,502,498; July 22.

Davis, Frank S. (See Beatty, W. T., Davis, and Wilson.)

Davis, Glen L., San Francisco, Calif. Oil and water circulating system for explosive engines. 1,502,234; July 22.

Dayton Engineering Laboratories Company, The. (See Elliott, R. W., Johnston, and Buerkle, assignors.)

Dearborn Equipment Company. (See Patrick, H. E., Peterson, and Bermes, assignors.)

Deck, Theodore J., Baltimore, Md. Toy arrow. 1,502,499; July 22.

Dedi, Arthur L., Oak Park, Ill. Arm for lighting fixtures. Des. 65,253; July 22.

Dedi, Arthur L., Oak Park, Ill. Arm for lighting fixtures. Des. 65,254; July 22.

De Foreest, Earl J. W., and F. W. Bailey, Tulsa, Okla. Identification tag. 1,502,137; July 22.

De Francisci, Joseph, Brooklyn, N. Y. Macaroni press. 1,502,021; July 22.

De Kermor Electric Heating Company Limited. (See De Kermor, Louis G., assignor.)

De Kermor, Louis G., assignor to De Kermor Electric Heating Company Limited, Edmonton, Alberta, Canada. Regulation of heat generated by electricity. 1,502,294; July 22.

De Kermor, Louis G., assignor to De Kermor Electric Heating Company Limited, Edmonton, Alberta, Canada. Self-regulating water heater. 1,502,295; July 22.

Denison, Frederick S., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn. Switch mechanism. 1,501,943; July 22.

Dentler, Mary E. (See Bannister, Grant A., assignor.)

Dern, Karl L. (See Calvert, R., Dern, and Alles.)

Detroit Motor Castings Company. (See Danzinger, Jacob C., assignor.)

Deutsche Hollerith Maschinen Gesellschaft m. b. H. (See Tolle, Heinrich, assignor.)

Dever, Walter H., jr., Houston, Tex. Tool holder for automobiles. 1,502,180; July 22.

De Vries, Siebren G., Grand Rapids, Mich. Watch and clock. 1,502,235; July 22.

Dexter, Lucien A., Grand Rapids, Mich. Latch construction. 1,502,022; July 22.

Dickinson, Joseph H., Larchmont, N. Y., assignor to The Aeolian Company. Player piano and the like. 1,502,618; July 22.

Dinhofer, Harry, New York, N. Y. Finger ring. Des. 65,255; July 22.

Disbro, Roger W., Cleveland Heights, assignor to The W. S. Tyler Co., Cleveland, Ohio. Metallic door. 1,502,091; July 22.

Djörup, Frants, Chicago, Ill. Composition floors. 1,502,645; July 22.

Doak, James S., Glenn, Calif. Fluid-current motor. 1,502,296; July 22.

Dodge, Edward W., Portland, Me. Statuette. Des. 65,256; July 22.

Dodge, Raymond E. (See Newman, S. J., and Dodge.)

Dondo, Mathurin M., New York, N. Y. Marionette. 1,502,236; July 22.

Donnallan, Martin R., Long Beach, Calif. Pump screen. 1,502,552; July 22.

Doob, Mork M., New York, N. Y. Baseball game board. 1,502,619; July 22.

Doody, John E., Toronto, Ontario, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,900; July 22.

Doughty, George E., New York, N. Y. Hat-tree. 1,502,297; July 22.

Dowd-Rodgers Company. (See Schemker, Francis, assignor.)

Dozier, Joe F., assignor of one-half to J. T. Jolley, Nashville, Tenn. Apparatus for testing and repairing radiators. 1,502,553; July 22.

Dreis, Herman C., near San Jose, Calif. Carburetor. 1,502,378; July 22.

Drescher, Max G., San Francisco, Calif. Truck. 1,502,237; July 22.

Dreyer, Friedrich. (See Oertel, R., and Dreyer.)

Dreyfus, Henry, London, England. Manufacture of cellulose derivatives. 1,502,379; July 22.

Duckworth, Charles W., Jacksonville, Fla. Vaporizer. 1,502,554; July 22.

Dufresne, Joseph A., Montreal, Quebec, Canada. Lock. 1,502,238; July 22.

Duncan, James H., and S. Rogow, New York, N. Y. Concrete form. 1,502,092; July 22.

Dunn, Felix E., and J. E. Patterson, Klamath Falls, Oreg. Land leveler and grader. 1,502,138; July 22.

Dunston, Wayne E. (See Girl, C., and Dunston.)

Dunsworth, George W., Houston, Tex. Drill bit. 1,502,463; July 22.

Du Pont, E. I., de Nemours & Company. (See Hedin, Erling A., assignor.)

Dyer, Frank L., Montclair, N. J. Measuring device for collapsible tubes. 1,502,298; July 22.

Earnshaw, Henry P. J., Berlin, Mass. Automobile lighting system. 1,502,424; July 22.

Eastman Kodak Company. (See Chamberlin, Benjamin D., assignor.)

Eastwood Wire Manufacturing Company. (See Joule, Joseph, assignor.)

Edgar, Frank M., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Punch-press guard. 1,502,023; July 22.

Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Device for removing deformities in collapsible metal tubes. 1,502,299; July 22.

Ehrhart, Raymond N., Jeannette, Pa., assignor, by mesne assignments, to Westinghouse Gear and Dynamometer Company. Reduction gearing. 1,502,239; July 22.

Eklund, Oskar A., Stockholm, Sweden. Locking device. 1,502,555; July 22.

Eiben, Michael A., Cleveland, Ohio. Screen for dust collectors. 1,501,984; July 22.

Eiseman, Kaye Company. (See Eiseman, Nathan, assignor.)

Eiseman, Nathan, assignor to Eiseman, Kaye Company, Chicago, Ill. Key case. 1,502,380; July 22.

Electric Machinery Manufacturing Company. (See Hibbard, Charles T., assignor.)

Electric Water Sterilizer & Ozone Company. (See Hartman, Frank E., and H. B., assignors.)

Electrisan Corporation, The. (See Dahl, J. L., and Frech, assignors.)

Elliott, Robert W., W. A. Johnston, and L. J. Buerkle, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Brush holder. 1,502,139; July 22.

Ely, Bernard M., Troy, Ohio. Grinding apparatus. 1,502,024; July 22.

Embury Manufacturing Company. (See Embury, William C., assignor.)

Embury, William C., assignor to Embury Manufacturing Company, Warsaw, N. Y. Lantern. Des. 65,257; July 22.

Englander Spring Bed Company, The. (See Bebry, Percival P., assignor.)

Equipment Specialties Company, The. (See Gillies, William R., assignor.)

Ermey, Thomas R., et al. (See Hanna, Frank L., assignor.)

Evans, Evan, Los Angeles, Calif. Metal building corner. 1,501,985; July 22.

Evans, Robert H., Detroit, Mich. Hardening alloy for bearing metals and using same. 1,502,425; July 22.

Evans, William L., jr., Washington, Ind. Building construction. 1,501,986; July 22.

Evinrude Motor Company. (See Meyer, Christopher J., assignor.)

Evinrude Motor Company. (See Mould, James A., assignor.)

Fairchild, Walter H., Chicago, Ill. Golf bag. 1,502,300; July 22.

Faircloth, Grady E., and W. M. Moseley, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Portable attachment for conveyers. 1,502,093; July 22.

Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,502,301; July 22.

Fedders Manufacturing Company. (See Fedders, John M., assignor.)

Ferguson, Angus, et al. (See Graham, David M., assignor.)

Ferris, Walter. (See Magie, W. E., and Ferris.)

Fiber Specialty Company. (See Morris, Edward K., assignor.)

Fickes, Isaac N., York, Pa. Corn harvester. 1,502,025; July 22.

Field, Charles H., Providence, R. I. Engraving machine. 1,502,381; July 22.

Fielder, Reuben E., New York, N. Y. Motor vehicle. 1,502,026; July 22.

Fine, Harry, Hartford, Conn. Self-weighing scoop. 1,502,181; July 22.

Fishback, F. M. (See Loy, James W., assignor.)

Fisher, David, Paden City, W. Va. Combination match and ash tray. Des. 65,259; July 22.

Fisk Rubber Company, The. (See Pratt, Benjamin H., assignor.)

Fleisher, Henry, Gambrills, Md. Poison indicator. 1,502,620; July 22.

Flostik Company. (See MacDonald, Frederick L., assignor.)

Flowers, Henry F., Findlay, Ohio. Dump car. 1,502,302; July 22.

Floyd, George G., Riverside, Ill. Fountain lather brush. 1,502,464; July 22.

Folkerts, Hayo, Aachen, Germany. Converter. 1,502,621; July 22.

Ford, Albert C., Chicago, Ill. Advertising sign. Des. 65,258; July 22.

Ford, Henry, Dearborn, Mich. Locomotive power plant. 1,502,240; July 22.

Ford, Henry, Dearborn, Mich. Railway-car truck. 1,502,241; July 22.

Ford, Ralph L., Chicago, Ill., assignor to International Harvester Company. Fertilizer attachment for planters. 1,501,944; July 22.

Forrest, Rolland, Philadelphia, Pa. Awning. 1,502,182; July 22.

Forsyth, William H., Philadelphia, Pa. Prospecting or well-drilling device. 1,502,622; July 22.

Fowler, Fred D., assignor to Hood Rubber Company, Watertown, Mass. Manufacturing cushion tires. 1,502,027; July 22.

Fox, Charles H., Bakersfield, Calif. Pump. 1,501,987; July 22.

France, Edward E., Racine, Wis. Game. 1,502,183; July 22.

Franklin, George A., Augusta, Ga. Cloth-feed interrupter for automatic looms. 1,502,556; July 22.

Frech, Robert H. (See Dahl, J. L., and Frech.)

Fredrickson, Ernest W., Kinbrae, Minn. Attachment for door-lock escutcheons. 1,501,988; July 22.

Freeble, Benjamin F., Jamaica, N. Y., assignor to Sewickley Electric Manufacturing Company, Sewickley, Pa. Ash tray or similar article. Des. 65,261; July 22.

French, Earl, Vancouver, British Columbia, Canada. Holder for milk bottles and the like and making same. 1,502,242; July 22.

Fridrichsen, Peter C. C., Independence, Mo. Mounting-board shaking box and bearing therefor. 1,502,557; July 22.

Frismuth, Harriet W., New York, N. Y. Statuette. Des. 65,260; July 22.

Fritz, John, New Bedford, Mass. Paper clip. 1,502,623; July 22.

Fry, Thornton C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for determining the direction of propagation of wave energy. 1,502,243; July 22.

Fuquay, Felix R., Durham, N. C. Dispensing apparatus. 1,502,028; July 22.

Gabke, John S., Wilmington, Del. Steering device for pedacycles. 1,502,303; July 22.

Gabrielson, Carl, assignor, by mesne assignments, to Meldrum-Gabrielson Corporation, Syracuse, N. Y. Adjustable arbor support for milling machines. 1,502,624; July 22.

Gaines, John T., Indianapolis, Ind. Art stand lamp. 1,502,304; July 22.

Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)

Gallagher, Daniel A., Cleveland Heights, Ohio. Cigar-display device and clamp for assembling the same. 1,502,094; July 22.

Galliot, Norbert J. A., Vaucresson, assignor of one-half to G. H. L. G. Bory, Paris, France. Recoil-absorbing means for firearms. 1,502,558; July 22.

Garden, Alexander T., Augusta, Kans. Steam-diaphragm regulator. 1,502,426; July 22.

Garrett, Samuel H., Philadelphia, Pa. Can opener. 1,502,465; July 22.

Gartside, John E., York, Pa. Machine for trimming sheet material. 1,502,095; July 22.

Gatchell, George S., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machine. 1,501,901; July 22.

Gates, Leroy G. (See Scharpenberg, C. C., and Gates.)

Gaunt, Charles F., Birmingham, England. Ash tray. Des. 65,262; July 22.

General Automatic Scale Company, The. (See Schaper, Henry C., assignor.)

General Electric Company. (See Steenstrup, Christian, assignor.)

General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)

General Railway Signal Company. (See Leake, Richard C., assignor.)

Gerrard, Alec J., and P. Wright, Chicago, Ill. Wire bale tie. 1,502,625; July 22.

Gerrard, Alec J., and P. Wright, Chicago, Ill. Twisted knot for securing shipping packages. 1,502,029; July 22.

Getty, Fred I., Jennings, La. Well tool. 1,502,427; July 22.

Getty, Fred I., Jennings, La. Whipstock for wells. 1,502,428; July 22.

Giblin, Patrick J., La Crosse, Wis. Footwear 1,502,559; July 22.

Giese, Henry, Ames, Iowa. Ironing board. 1,501,989; July 22.

Gillen, Joseph, Flushing, N. Y. Combined curb box and automatic gas cut-off. 1,502,466; July 22.

Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Oil-level-indicating attachment for crank cases. 1,501,990; July 22.

Gillies, William R., assignor to The Equipment Specialties Company, Chicago, Ill. Drain trap. 1,502,184; July 22.

Gillinder Brothers. (See Gillinder, Edwin B., assignor.)

Gillinder, Edwin B., assignor to Gillinder Brothers, Port Jervis, N. Y. Lighting globe. Des. 65,263; July 22.

Gilmore, Lou S., El Reno, Okla. Tourist's kitchenette or cabinet. 1,502,096; July 22.

Girl, Christian, Detroit, Mich. Automobile bumper. Des. 65,266; July 22.

Girl, Christian, Detroit, Mich. Automobile bumper. Des. 65,267; July 22.

Girl, Christian, Detroit, Mich. Automobile bumper. Des. 65,268; July 22.

Girl, Christian, Detroit, Mich. Automobile bumper. Des. 65,269; July 22.

Girl, Christian, and W. E. Dunston, assignors to The C. G. Spring Company, Detroit, Mich. Automobile bumper. Des. 65,264; July 22.

Girl, Christian, and W. E. Dunston, assignors to The C. G. Spring Company, Detroit, Mich. Automobile bumper. Des. 65,265; July 22.

Girl, Christian, Kalamazoo, and J. G. Utz, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,502,305; July 22.

Giudice, Frank, New York, N. Y. Fire escape. 1,501,991; July 22.

Glaskey, Warren E., Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y. Machine for making bottles, etc. 1,502,560; July 22.

Glaskey, Warren E., Bridgeton, N. J., assignor to Spring Stopper Company, New York, N. Y. Machine for making bottles, etc. 1,502,561; July 22.

Glosh, Frederick P., Cincinnati, assignor to The Cincinnati Planer Company, Oakley, Cincinnati, Ohio. Automatic screw machine. 1,502,467; July 22.

Godfrey, Alfred, Wood Green, London, England. Jet-cutting machine. 1,501,902; July 22.

Goering, Ernest H., Duluth, Minn. Dental bridge. 1,501,992; July 22.

Goerz Photochemische Werke G. m. b. H. (See Oertel, R., and Dreyer, assignors.)

Goodbody, Edmund M., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,502,626; July 22.

Goodney, Samuel J., Crystal Falls, Mich. Mining soft ore. 1,502,030; July 22.

Goodnow, Theodore H., Oak Park, and W. S. Schroeder, Chicago, Ill. Release rigging. 1,502,306; July 22.

Gordon, William, Union, N. J. Wrench. 1,501,903; July 22.

Gore, Robert J. K., assignor of one-half to W. J. Grandchamp, Detroit, Mich. Engine. 1,502,244; July 22.

Goshen Manufacturing Company, The. (See Weaver, Earl L., assignor.)

Gould Coupler Company. (See Creveling, John L., assignor.)

Grace, Emanuel J., Erie, Pa. Rim-punching machine. 1,502,097; July 22.

Graham, David M., Juanita, assignor of one-half to A. Ferguson and A. H. Wentland, Bordulac, N. Dak. Feeder for thrashing machines and the like. 1,501,993; July 22.

Grandchamp, William J. (See Gore, Robert J. K., assignor.)

Gray, Harold, Newark, N. J. Visitor's information bureau. 1,502,185; July 22.

Gray, Robert E., Snoqualmie Falls, Wash. Cross arm. 1,502,031; July 22.

Grayson, J. H., Manufacturing Company, The. (See Grayson, John H., assignor.)

Grayson, John H., assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio. Gas heater. Des. 65,270; July 22.

Greenpoint Metallic Bed Company. (See Lies, William, assignor.)

Greenwood, Rowland, assignor of one-half to Carr & Company Limited, Carlisle, England. Apparatus for baking or drying substances at high temperatures and for subsequently cooling same. 1,502,186; July 22.

Green, William A., Toronto, Ontario, Canada. Holder. 1,502,245; July 22.

Greif, L., & Bro. Incorporated. (See Waxman, Samuel B., assignor.)

Greist Manufacturing Company, The. (See Lent, W. F., and Hinman, assignors.)

Greve, Edgar E., Bellevue, Pa. Drill or grief stem for rotary drilling machines. 1,501,994; July 22.

Greve, Edgar E., Bellevue, Pa. Lubricating device for reversing clutch mechanism. 1,501,995; July 22.

Grieves, Albert, Springfield, Ohio, assignor to International Harvester Company. Block-setting mechanism for baling presses. 1,501,945; July 22.

Grigsby-Grunow-Hinds Co. (See Grigsby, Owen E., assignor.)

Grigsby, Owen E., Park Ridge, assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill. Weather shield and glare visor. 1,502,382; July 22.
Grimes, Charles P., Syracuse, N. Y. Primer construction. 1,502,098; July 22.
Grob, William C., assignor of one-half to G. B. Storer, jr., Toledo, Ohio. Window-control means. 1,502,468; July 22.
Groehn, Otto J., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Oil burner. 1,502,469; July 22.
Grooms, George F., Sabinal, Tex. Vehicle for transporting poles. 1,501,996; July 22.
Grouros, John W., Bronx, N. Y. Sprinkler head. 1,502,187; July 22.
Gross, Frederick D. (See Akins, R. P., Bucher, and Gross.)
Grueneich, Nathaniel, Long Lake, S. Dak. Dirigible headlight construction for motor vehicles. 1,502,500; July 22.
Gscheidlen, Wilhelm. (See Reichel, W., and Gscheidlen.)
Guenthermann, Hans, Mount Vernon, assignor to Butler Bros., New York, N. Y. Plate or similar article. Des. 65,271; July 22.
Guerrini, Pietro, and L. Zaccaria, Nokomis, Ill. Support for drills. 1,502,383; July 22.
Gumowski, Antoni, Camden, N. J. Waterproof brick. 1,502,501; July 22.
Haddox, Clifford M., Charleston, W. Va. Shoe tongue. 1,502,429; July 22.
Hagopian, Simon, Petaluma, Calif. Plant puller. 1,502,246; July 22.
Hall, Claude H., and G. Knudsen, Baltimore, Md. Process and machine for creasing. 1,502,032; July 22.
Hall, John H. (See Jordan, R. D., and Hall.)
Hall, Wesley F., Matawan, N. J., assignor to A. P. Munning & Co., New York, N. Y. Electroplating apparatus. 1,501,946; July 22.
Hamilton, John. (See Paine, H. S., and Hamilton.)
Hammond, Edward W., New York, N. Y. Blade holder. 1,502,627; July 22.
Hampton, James G., Lafontaine, Kans. Water-supply system. 1,501,997; July 22.
Hanberg, John V., Chicago, Ill., assignor to A. C. Clark & Company, Chicago, Ill. Dental appliance. 1,502,247; July 22.
Hanchette, Rex J. (See Hershey, W. C., and Hanchette.)
Handy Auto Bed Company. (See Davis, Charles E., assignor.)
Hanford, Harry C., and M. H. Lang, Minneapolis, Minn. Radio mast seat. 1,501,998; July 22.
Hanna, Frank L., assignor of forty-five one-hundredths to F. L. Hanna, forty one-hundredths to F. E. Mallonee, and fifteen one-hundredths to T. R. Ermey, Wichita, Kans. Hinged spider. 1,502,628; July 22.
Hanna, Frank L., et al. (See Hanna, Frank L., assignor.)
Hanson, Ole C., Hopkins, Minn. Beet-topping machine. 1,502,384; July 22.
Hanson, Ole E., Poulsbo, Wash. Drawbar attachment for Fordson tractors. 1,502,033; July 22.
Hardy Brothers (Alnwick) Limited. (See Hardy, Laurence R., assignor.)
Hardy, Laurence R., assignor to Hardy Brothers (Alnwick) Limited, Alnwick, England. Portable stool. 1,502,629; July 22.
Hargrave, Allen C., assignor of one-tenth to E. Samson, Anna, Ill. Demountable rim. 1,502,630; July 22.
Harrington, Norman T., Cleveland, Ohio. Loading and unloading apparatus. 1,501,999; July 22.
Harris, Barnett W., assignor to Utilities Development Corporation, Chicago, Ill. Apparatus for developing photographs. 1,501,904; July 22.
Hart, Ira B., assignor, by mesne assignments, to St. Louis Pump and Equipment Company, St. Louis, Mo. Pump. 1,502,470; July 22.
Hart, Milo O., Euclid, assignor to The Pompeian Company, Cleveland, Ohio. Vanity case. 1,502,034; July 22.
Hart, William E., near San Jose, Calif. Vacuum fuel-feed tank. 1,502,631; July 22.
Harter, Charles, St. Louis, Mo. Door stop for end-door automobile freight cars. 1,502,307; July 22.
Hartford, Edward V., Inc. (See Waterman, Arthur, assignor.)
Hartman, Frank E., and H. B. Hartman, assignors to Electric Water Sterilizer & Ozone Company, Scottdale, Pa. Softening water. 1,502,188; July 22.
Hartman, Harry B. (See Hartman, Frank E. and H. B.)
Hasenclever, Peter, Hamburg-Billwarder, Germany. Preparing crystals of chrome alum. 1,502,035; July 22.
Hasley, Thomas R., Menominee, Mich. Wheel. 1,502,632; July 22.
Hass, Clarence E., and W. R. James, Chicago, Ill. Coaster wagon. 1,502,337; July 22.
Hassler, Robert H. (See Meggenhofen, Charles W., assignor.)
Hatch, Albert E., Wakonda, S. Dak. Game apparatus. 1,502,189; July 22.
Hauenstein, John, Kansas City, Mo. Flash-light support. 1,502,385; July 22.
Haupenthal, John R. (See Wilson, Bertram E., assignor.)
Hausrath, Herbert, Durlach, near Karlsruhe, assignor to the Firm of Schott & Gen., Jena, Germany. Thermopile and its manufacture. 1,502,562; July 22.
Hawes, Austin W., Greenfield, assignor to John Russell Cutlery Company, Turners Falls, Mass. Making table cutlery. 1,502,502; July 22.
Hawley, Ernest P., Nashville, Tenn. Card-display stand. 1,502,248; July 22.
Hayes, Fay C., Altamont, N. Y. Snowplow. 1,502,430; July 22.
Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose-supporter button. Re15,877; July 22.
Heath, Frederick, Bellingham, Wash. Steam-boiler plant. 1,502,564; July 22.
Heath, Wilfred P., Chicago, Ill. Bread making. 1,502,563; July 22.
Hedin, Erling A., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dynamite cartridge. 1,502,646; July 22.
Heerdt, Walter, Frankfort-on-the-Main, Germany. Insecticide. 1,502,190; July 22.
Heidbrink, Jay A., Minneapolis, Minn. Anæsthetic apparatus. Re15,873; July 22.
Heidbrink, Jay A., Minneapolis, Minn. Apparatus for delivering a mixture of gases. Re15,874; July 22.
Heilhecker, Eugene C., Bristol, R. I., assignor to National India Rubber Company. Heel construction for footwear. 1,502,036; July 22.
Heimann, Albert, New York, N. Y. Casing for a combined weighing and advertising machine. Des. 65,272; July 22.
Helwig, John, St. Paul, Minn. Metal-pressing tool. 1,502,191; July 22.
Helwig, John, St. Paul, Minn. Wrench and manufacturing the same. 1,502,192; July 22.
Hemphill Company. (See Jones, Frank E., assignor.)
Heppe, Florence J., Philadelphia, Pa. Musical instrument. 1,502,565; July 22.
Herrick, Una B., Bozeman, Mont. Brassière. 1,502,000; July 22.
Hershey, William C., and R. J. Hanchette, McAllester, Okla. Headlight-switch-operating device for motor vehicles. 1,502,193; July 22.
Hewitt, Edward R., Midvale, N. J., and A. H. Leipert, College Point, assignors to International Motor Company, New York, N. Y. Steel wheel. 1,502,308; July 22.
Hibbard, Charles T., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Coil support. 1,502,194; July 22.
Hicks, George C., jr., St. Louis, Mo., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump. 1,502,195; July 22.
Hicks, George C., jr., St. Louis, Mo., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump. 1,502,196; July 22.
Higgins, George H., assignor to Burd High Compression Ring Company, Rockford, Ill. Ring-grinding machine. 1,502,099; July 22.
Hill, David, Leicester, England. Heel for boots and shoes. Des. 65,273; July 22.
Hill, Edgar R., Oak Park, Ill. Ironing machine. 1,502,566; July 22.
Hill, Elmer L., Rapelje, Mont. Chain fastener. 1,502,386; July 22.
Hill, George D., Norfolk, Va. Shade, curtain, or awning roller stop. 1,502,197; July 22.
Hill, George E., Pittsburgh, and R. R. Williams, Glenshaw, Pa. Cutting tool. 1,501,948; July 22.
Hill, Harry W., West Hanover, Mass. Detonating toy. 1,502,198; July 22.
Hillman, Frederick M., Indianapolis, Ind. Printer's gauge. 1,501,947; July 22.
Hinman, George L. (See Lent, W. F., and Hinman.)
Hlavacek, Emil, Two Rivers, Wis. Disappearing dimmer. 1,502,471; July 22.
Hobart, Frank, Marseilles, Ill. Fencepost base. 1,501,949; July 22.
Hodgkinkinson, Francis, Edgewood, Pa., assignor to Westinghouse Gear & Dynamometer Company. Floating frame. 1,502,199; July 22.
Hoerr, Louis A., assignor to Railway Devices Company, St. Louis, Mo. Angle-cock holder. 1,502,472; July 22.
Holl, John, and G. E. Boettcher, Richardson, N. Dak. Portable electric lamp. 1,502,338; July 22.
Hollrigl, Joseph, Manchester, N. H. Catamenial appliance. 1,502,503; July 22.
Holmgreen, Julius H., San Antonio, Tex. Stop mechanism for bending machines. 1,502,633; July 22.
Hood, Cyrus S., Corning, N. Y. Hot-air damper. 1,502,100; July 22.
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopkins, O. G. (See Raconovich, George, assignor.)
Horovitz, Max, Woodridge, N. Y. Account book and the like. 1,501,905; July 22.
Horrocks Desk Company. (See Simmons, George P., assignor.)
Hotchkiss, E. H., Company, The. (See Muth, John, assignor.)
Howard, Alden L., Ann Arbor, Mich. Phonograph. Re15,875; July 22.

Howard, Almeda B. (See Howard, Frank A. and A. B.)
Howard, Frank A. and A. B., Elizabeth, N. J., assignors to Standard Development Company. Oil-can. Des. 65,274; July 22.
Howell, Hamilton T., New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Ceiling fixture for lighting fixtures. Des. 65,275; July 22.
Howell, Hamilton T., New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Collar-ring husk. Des. 65,276; July 22.
Howlett, William T., and H. O. Smith, New York, N. Y. Gas stove. 1,502,200; July 22.
Hubbard, Richard W., Ashtabula, Ohio. Hinge. 1,502,431; July 22.
Huffman, William E. (See Corbett, M. Q., Huffman, and Adams.)
Hulbert, Ansel C., San Carlos, Calif. Electric steam radiator. 1,502,249; July 22.
Humeston, Frederick L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Handlamp switch. 1,502,567; July 22.
Humphrey, Walter S., Kansas City, Mo. Oil burner. 1,501,950; July 22.
Hunt, Seth B., trustee. (See Mann, Matthew D., jr., assignor.)
Hunter, Thomas M., assignor, by mesne assignments, to Newark Tube Company, Newark, N. J. Welding apparatus. 1,502,140; July 22.
Hurley, Robert S., Toledo, Ohio. Apparatus for handling railway ties. 1,502,568; July 22.
Hurst, Carl, Glenwood, Iowa. Automobile seating arrangement. 1,502,250; July 22.
Hussey, Charley F., assignor to Precision Machine Company, Milwaukee, Wis. Measuring apparatus. 1,502,569; July 22.
Huttinger, Charles A., Lakewood, assignor to The Acme Artificial Silk Company, Cleveland, Ohio. Manufacturing viscose. 1,502,101; July 22.
Hybinette, Noak V., New York, N. Y., assignor to National Trust Company Limited, Toronto, Canada. Nickel alloy. 1,501,906; July 22.
Ideal Speed Control, Inc. (See Spiva, Giles F., assignor.)
Ike, Carl J. (See Millett, John I., assignor.)
Industrial Controller Company. (See Van Valkenburg, H. L., and Magin, assignors.)
Ingalls, Ralph T. (See Rasmussen, Charles, assignor.)
Ingebritson, Marie, widow. (See Ingebritson, Reuben C., assignor.)
Ingebritson, Reuben C., Camp Kearny, Calif., assignor, by court decree, to M. Ingebritson, widow. Gliding torpedo. 1,502,634; July 22.
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See Peters, A. E., and Parkhill, assignors.)
Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Inland Steel Company. (See Stefan, Jacob, jr., assignor.)
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Harvester Company. (See Bunting, Norman E., assignor.)
International Harvester Company. (See Ford, Ralph L., assignor.)
International Harvester Company. (See Grieves, Albert, assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Motor Company. (See Hewitt, E. R., and Leipert, assignor.)
Intertype Corporation. (See Goodbody, Edmund M., assignor.)
Irish, David J., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fuel-combustion apparatus. 1,502,141; July 22.
Ivaldi, Giuseppe, Paterson, N. J. Tool holder. 1,502,037; July 22.
Jackson, Carl J., Superior, Wis. Window. 1,502,142; July 22.
Jaeger, Max, Long Island City, assignor to Anchor Cap & Closure Corporation, New York, N. Y. Package-transferring machine. 1,502,201; July 22.
Jaeger, Max, assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Package-handling machine. 1,502,635; July 22.
James, William R. (See Hass, C. E., and James.)
Jaroski and Klocko. (See Jaroski, Stanley A., assignor.)
Jaroski, Stanley A., Holyoke, assignor to Jaroski and Klocko, Hatfield, Mass. Folding brush. 1,502,432; July 22.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Bonding drill. 1,502,339; July 22.
Johanson, Johan A., Stockholm, Sweden. Windmill. 1,502,433; July 22.
Johnson, Alfred J., Fairfield, and C. Sliwonik, Bridgeport, Conn. Adjustable chuck. 1,502,636; July 22.
Johnson, Emil, et al. (See Petersen, W., and Miller, assignors.)
Johnson, John R. (See Adams, R., and Johnson.)
Johnston, Warren A. (See Elliott, R. W., Johnston, and Buerkle.)
Johnston, William, Ballykilberg, Ireland. Potato digger. 1,502,570; July 22.
Jointless Fire Brick Company. (See Schaefer, William A. L., assignor.)
Jolley, J. T. (See Dozier, Joe F., assignor.)
Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Picker mounting for circular-knitting machines. 1,502,309; July 22.
Jones, William M., jr., Rochester, N. Y. Automobile steering knuckle and axle. 1,502,504; July 22.
Jordan, Richard D., and J. H. Hall, assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Making manganese steel. 1,502,642; July 22.
Josephs, Abraham, assignor to The Crofut & Knapp Company, New York, N. Y. Cap. 1,502,202; July 22.
Joule, Joseph, assignor to Eastwood Wire Manufacturing Company, Belleville, N. J. Valve. 1,502,473; July 22.
Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)
Kanazawa, Sadanosuke, Tokyo, Japan. Pocket stove. 1,502,251; July 22.
Karsky, Joseph, and H. Meyer, Eau Claire, Wis. Cut-off or nail-checking attachment for nailing machines. 1,502,505; July 22.
Katrina, Anton, Yukon, Pa. Stovepipe mounting. 1,502,571; July 22.
Kehoe, William E., San Francisco, Calif. Display fixture. Des. 65,277; July 22.
Kell, Ernest T., Benton, Ill. Combined shoveling and loading device. 1,502,143; July 22.
Kelly, William W., Cleveland, Ohio. Sales rack. Des. 65,278; July 22.
Kelman, John H. (See Kelman, Joseph N. and J. H.)
Kelman, Joseph N. and J. H., Los Angeles, Calif. Cushion. 1,502,387; July 22.
Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
Kennedy, James B., assignor of one-half to H. G. Bell, Bainbridge, Ga. Air pump for wells. 1,501,951; July 22.
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckle for straps and belts. 1,502,572; July 22.
Keuffel and Esser Company. (See Keuffel, Willie L. E., assignor.)
Keuffel, Willie L. E., Weehawken Township, Hudson County, assignor to Keuffel and Esser Company, Hoboken, N. J. Tape reel. 1,502,340; July 22.
Key Boiler Equipment Company. (See Key, Frederick E., assignor.)
Key, Frederick E., assignor to Key Boiler Equipment Company, St. Louis, Mo. Boiler plug. 1,502,038; July 22.
Keyes-Davis Company, The. (See Leggott, David, assignor.)
Kirk, Walter I., Chicago, Ill. Harp. 1,501,907; July 22.
Kirkpatrick, James N. (See O'Brien, Joseph A., assignor.)
Kirkpatrick, William L. (See O'Flaherty, L. F., and Kirkpatrick.)
Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Change gear. 1,502,647; July 22.
Klean Rite Auto Laundry. (See Nicholson, Jacob P., assignor.)
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Ceiling lighting fixture. Des. 65,279; July 22.
Klemm, Emil R. (See McCanna, B. T., and Klemm.)
Klug, John R., Munday, Tex. Folding crate. 1,502,252; July 22.
Knickerbocker Silver Company. (See Smith, Winfield D., assignor.)
Knowles, Arthur J., Wilmington, Del. Compound for brazing and welding. 1,502,144; July 22.
Knudsen, George. (See Hall, C. H., and Knudsen.)
Knutson, William, Fort Shaw, Mont. Tire alarm. 1,502,039; July 22.
Kochring Company. (See Lichtenberg, Erich H., assignor.)
Koenigkramer, Frederick, Cincinnati, Ohio. Adjusting and locking apparatus. 1,502,001; July 22.
Konieczki, Steve S., Stevens Point, Wis. Protector for pneumatic tires. 1,502,637; July 22.
Kotter, Theodore F., Hollis, N. Y. Toy bear. Des. 65,280; July 22.
Kozlay, Clarence V., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 65,281; July 22.
Krakauer, Samuel. (See Marcus, S. S., and Krakauer.)
Kramer, Abraham. (See Kramer, Samuel and A.)
Kramer, Samuel and A., Brooklyn, N. Y. Wall bracket. Des. 65,282; July 22.
Kraus, Morris. (See Segedy, John, assignor.)
Krause, Georg A., Munich, Germany, assignor, by mesne assignments, to American Lurgi Corporation, New York, N. Y. Process of and apparatus for evaporating liquids. 1,501,952; July 22.
Kucera, Peter, assignor to Capstan Glass Company, Connellsville, Pa. Device for making fluted glass molds or the like. 1,502,474; July 22.
Kuehn, William. (See Pilny, J., and Kuehn.)

Kuhn, Arthur, assignor to Firm: Carl Still, Recklinghausen, Germany. Sprinkling device for gas scrubbers, cooling towers, and the like. 1,502,573; July 22.
Kurtis, Angelos, Jacksonville, Fla. Bumper-operated brake and clutch mechanism. 1,502,145; July 22.
Kylin, Oskar, Elkhart, Ind. Adjustable reamer. 1,502,374; July 22.
Lambert, Daniel S., and C. B. Rader, Denver, Colo. Wheel puller. 1,502,103; July 22.
Lamson Company, The. (See Bauer, John A., assignor.)
Lang, Martin H. (See Hanford, H. C., and Lang.)
Lange, Henry, Quincy, Ill. Combination coal and gas heater. 1,502,575; July 22.
Lange, Henry, Quincy, Ill. Stove hinge. 1,502,376; July 22.
Latham, Albert, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me. Forming ma- 1,502,040; July 22.
Latta, John L., Hickory, N. C. Pneumatic pump. 1,502,253; July 22.
Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Adjustable rotary circuit controller. 1,502,643; July 22.
Lebeis, Martin, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Adding machine. 1,502,388; July 22.
Le Compte, Onesime H., St. Louis, Mo., assignor to Le Compte Standard Automatic Drawbar and Connector Company, Denver, Colo. Car coupler. 1,502,146; July 22.
Le Compte Standard Automatic Drawbar and Connector Company. (See Le Compte, Onesime H., assignor.)
Le Cras, Thomas J., Toronto, Ontario, Canada. Truss. 1,502,577; July 22.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,502,475; July 22.
Lee, William A., Roselawn, Ind. Circuit-closing device. 1,502,638; July 22.
Leggott, David, assignor to The Keyes-Davis Company, Inc., Battle Creek, Mich. Pin carrier. 1,502,254; July 22.
Leipert, August H. (See Hewitt, E. R., and Leipert.)
Leisenring, Harry T., Denver, Colo. Attachment for molasses gates. 1,502,578; July 22.
Lemieux, Darie, Leeds, N. Dak. Level attachment. 1,502,255; July 22.
Lent, Wilmar F., and G. L. Hinman, assignors to The Greist Manufacturing Company, New Haven, Conn. Lamp-shade support. 1,502,506; July 22.
Lepperhoff, Hans, Reading, assignor to The Narrow Fabric Co., West Reading, Pa. Lace. Des. 65,283; July 22.
Lepperhoff, Hans, Reading, assignor to The Narrow Fabric Co., West Reading, Pa. Lace. Des. 65,284; July 22.
Lepperhoff, Hans, Reading, assignor to The Narrow Fabric Co., West Reading, Pa. Lace. Des. 65,285; July 22.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel-board switch. 1,502,579; July 22.
Leslie, Elmer, Medford, Oreg. Fishing leader. 1,501,953; July 22.
Levy Shulman & Company. (See Shulman, Harry L., assignor.)
Library Bureau. (See Ohnstrand, Enoch, assignor.)
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Batch-box apparatus. 1,501,954; July 22.
Lick, Carl F., St. Paul, Minn. Automatic signal and safety device for motion-picture machines. 1,502,434; July 22.
Lieber, Jean, Lausanne, Switzerland. Liquid-fuel burner. 1,502,104; July 22.
Lies, William, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. End frame for a bedstead. Des. 65,286; July 22.
Lies, William, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. End frame for a bedstead. Des. 65,287; July 22.
Lilly, Eli, & Company. (See Shonle, H. A., and Moment, assignors.)
Lindenberger, Henry. (See Starmann, G. H., and Lindenberger.)
Lindgren, Alexus C., Evanston, Ill., assignor to International Harvester Company. Lister plow. 1,501,955; July 22.
Link, Lewis, Cottonwood Falls, Kans. Field implement. 1,502,507; July 22.
Lipsky, Norman, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp stand or similar article. Des. 65,288; July 22.
Locomobile Company of America. (See Church, Harold D., assignor.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Dry-pipe system. 1,501,955; July 22.
Loepsinger, Albert J., Edgwood, assignor to General Fire Extinguisher Company, Providence, R. I. Automatic sprinkler system. 1,502,041; July 22.
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Automatic sprinkler system. 1,502,042; July 22.
Longley, Lester A., Oconto Falls, Wis. Sectional steel form for concrete constructions. 1,502,508; July 22.
Lonsdale, William, Roselle Park, assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Condenser. 1,502,256; July 22.
Lonsdale, William, Roselle Park, assignor to Wheeler Condenser & Engineering Company, Carteret, N. J Condenser. 1,502,257; July 22.
Lonsdale, William, Roselle Park, assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Condenser. 1,502,258; July 22.
Loomis, Evarts G., Newark, N. J. Heating system. 1,502,341; July 22.
Loomis, Raymond W. (See Ascherin, H. J., and Loomis.)
Lovatt, George A., Boulder, Wyo. Wire stretcher. 1,502,389; July 22.
Loy, James W., Burnett, assignor of one-half to F. M. Fishback, Long Beach, Calif. Tool for removing casing from wells. 1,502,105; July 22.
Lucas, Owen D., Bayswater, London, assignor to Vickers Limited, Westminster, England. Percussive firing mechanism for breech-loading guns. 1,502,259; July 22.
Lucas, Owen D., assignor to Y. L. Oil Processes, Limited, Westminster, London, England. Preparation of catalytic bodies. 1,502,260; July 22.
Lucas, William C., Meriden, Conn. Pedestal for fire-alarm boxes. 1,502,342; July 22.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)
Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Ejector and nozzle therefor. 1,502,203; July 22.
Lundquist, Arthur R., Chicago, Ill. Advertising sign. Des. 65,289; July 22.
Lundquist, Frank A., Chicago, Ill., assignor, by mesne assignments, to H. S. Conrad, trustee. Motor control for switching mechanisms. 1,501,908; July 22.
Lundquist, Frank A., Chicago, Ill., assignor, by mesne assignments, to H. S. Conrad, trustee. Automatic telephone exchange. 1,501,909; July 22.
Lyne, William H., Houston, Tex. Device for oil and gas wells. 1,502,106; July 22.
Lyons, Benjamin F. (See Robinson, Walter W., assignor.)
MacDonald, Frederick L., assignor to Flostik Company, Waltham, Mass. Casing for a dental floss holder. Des. 65,290; July 22.
MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Oven for electric ranges. 1,502,392; July 22.
Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Disk or retaining means for well packers. 1,501,957; July 22.
Mackie, David B., Los Angeles, Calif. Apparatus for destroying animal life. 1,501,958; July 22.
Macpherson, Byron, Roxbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Process and apparatus for making electrical condensers. 1,502,343; July 22.
MacTarnaghan, Samuel G., Nunda, N. Y. Concrete-pipe-forming machine. 1,502,509; July 22.
Magnton, Silvio, New York, N. Y. Floor-scrubbing machine. 1,502,148; July 22.
Magie, William E., Beloit, and W. Ferris, assignors to The Oilgear Company, Milwaukee, Wis. Pump or motor. 1,502,310; July 22.
Magin, Francis W. (See Van Valkenburg, H. L., and Magin.)
Mallonee, Frederick E., et al. (See Hanna, Frank L., assignor.)
Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
Mann, Matthew D., jr., Roselle, N. J., assignor to S. B. Hunt, trustee, Mount Kisco, N. Y. Purifying and deodorizing isopropyl alcohol. 1,502,149; July 22.
Mann, Oscar F., Indianapolis, Ind. Bricklaying device. 1,502,046; July 22.
Mansfield Tire and Rubber Company. (See Ober, Philip H., assignor.)
Marcus, Samuel S., and S. Krakauer, New York, N. Y. Covered spring structure. 1,502,510; July 22.
Marsh, Henry R. (See Rankin, W. H., and Marsh.)
Martel, Edgar J., Laconia, N. H. Automobile switch lock. 1,502,047; July 22.
Martin, George C., Los Angeles, Calif. Reversing mechanism. 1,502,150; July 22.
Martin, William H., New York, N. Y., and T. Shaw, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Loaded transmission circuits. 1,501,959; July 22.
Marvin, Frederick B., Port Jervis, N. Y. Wave motor. 1,502,511; July 22.
Mason, William H., Laurel, Miss. Treating lumber. 1,502,311; July 22.
Mathias, Lewis D. (See Andrews, L. W., and Mathias.)
Mathias, Lewis D., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Fire-resisting or flame-proof starching composition. 1,501,911; July 22.
Matthews, Charlton S., Little Mountain, S. C. Plow-operating apparatus. 1,501,960; July 22.

Mattson, John P., Minneapolis, Minn. Snap hook. 1,501,961; July 22.
May, Frank J., assignor of one-fourth to E. W. Olson, St. Paul, Minn. Automobile signal. 1,502,639; July 22.
Mayhew, Ralph, New York, N. Y. Mounting means for phonograph records. 1,502,312; July 22.
McArthur, William, Seattle, Wash. Method of and apparatus for treating oil sand. 1,502,261; July 22.
McBride, Charles L., jr., assignor to The C. L. McBride Manufacturing Company, Toledo, Ohio. Electric heating-cord machine. 1,502,043; July 22.
McBride, C. L., Manufacturing Company, The. (See McBride, Charles L., assignor, jr.)
McBrien, Harry T., Cleveland, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,910; July 22.
McCann, James T., Glen Ellen, Calif. Wrench. 1,502,044; July 22.
McCanna, Benjamin T., and E. R. Klemm, Chicago, Ill. Gas-engine governor. 1,502,476; July 22.
McCarry, William H., Pittsfield, Mass. Oil burner. 1,502,045; July 22.
McClintock, Lewis G., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Tank for transformers and the like. 1,502,204; July 22.
McCollum, Earl E., Downers Grove, Ill. Speed-reducing device. 1,502,107; July 22.
McCoy, Robert H., Conda, Idaho, assignor of one-third to J. B. Bell, Evanston, Wyo. Oil cup. 1,502,262; July 22.
McCracken, George E., San Jose, Calif. Pump. 1,502,390; July 22.
McDuffie, Benjamin H., Brooklyn, N. Y. Faucet. 1,502,147; July 22.
McGuire, Lee R., Chicago, Ill., assignor to Morgan & Wright. Vulcanizing process and apparatus. 1,502,205; July 22.
McKinley, Benjamin P., Brooklyn, N. Y. Combined lamp-socket cluster and connection plug. Des. 65,291; July 22.
McNerny, Clyde J., San Francisco, Calif. Pressure brake for autos. 1,502,580; July 22.
McPherson, John O., Renton, Wash. Spike puller. 1,502,391; July 22.
McQueen, James B., Preston, Idaho. Hoist. 1,501,963; July 22.
McQueen, John N., Preston, Idaho. Demountable rim. 1,501,964; July 22.
McWilliam, James E., North Oxford, Mass. Marine hat. 1,502,108; July 22.
Meehan, Florence B., Highland Park, Ill. Dancing doll. 1,501,912; July 22.
Maggenhofen, Charles W., assignor to R. H. Hassler, Indianapolis, Ind. Shock-absorber axle bracket. 1,502,313; July 22.
Meisner, George A., Oak Park, Ill. Fountain brush. 1,502,263; July 22.
Meldrum-Gabrielson Corporation. (See Gabrielson, Carl, assignor.)
Meredith, Frederick W., South Farnborough, England. Motor-cycle spring fork. 1,502,151; July 22.
Merritt, Arthur A., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Thread-tensioning means for sewing machines. 1,502,048; July 22.
Mervin, John, Johnstown, Pa. Check hanger for mine cars. 1,502,049; July 22.
Metzger, Myer, Chicago, Ill. Food-display cover. 1,502,109; July 22.
Meyer, Christopher J., assignor to Evinrude Motor Company, Milwaukee, Wis. Marine propulsion device. 1,502,477; July 22.
Meyer, Herman. (See Karsky, J., and Meyer.)
Meyer, Louis A., St. Louis, Mo. Vehicle signal-lamp casing. Des. 65,292; July 22.
Mezei, George, Clinchco, Va. Clasp. 1,502,512; July 22.
Miami Manufacturing Company. (See Worthington, Roland B., assignor.)
Michigan Chemical Company. (See Nikaido, Yasujuro, assignor.)
Miller, Charles D. (See Petersen, W., and Miller.)
Miller, Russell G., Pittsburgh, Pa. Reversing valve. 1,502,513; July 22.
Millett, John I., assignor of three-fourths to C. J. Ike, Los Angeles, Calif. Collapsible support. 1,502,152; July 22.
Mills, Frank W., Chicago, Ill. Remote control device. 1,502,153; July 22.
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minneapolis Heat Regulator Co. (See Denison, Frederick S., assignor.)
Mitchell, David B., and G. J., Louisville, Ky. Manufacture of waterproof paint. 1,502,514; July 22.
Mitchell, George J. (See Mitchell, David B. and G. J.)
Mojonnier Bros. Co. (See Mojonnier, J. J., Phillips, and Warren, assignors.)
Mojonnier, Julius J., H. R. Phillips, and H. B. Warren, deceased, by L. W. Warren, administrator, Oak Park, assignors to Mojonnier Bros. Co., Chicago, Ill. Ice-cream-bricking machine. 1,502,110; July 22.
Mojonnier, Julius J., H. R. Phillips, and H. B. Warren, deceased, by L. W. Warren, administrator, Oak Park, assignors to Mojonnier Bros. Co., Chicago, Ill. Ice-cream-packaging machine. 1,502,314; July 22.
Möller, Frederik J., Copenhagen, Denmark. Electrical heating utensil. 1,502,315; July 22.
Molyneux, George E., Bayonne, N. J., assignor of one-half to J. F. Alvord, New York, N. Y. Brake mechanism for road vehicles. 1,502,111; July 22.
Moment, Asher. (See Shonle, H. A., and Moment.)
Montgomery, Gustavus A., assignor to Titusville Forge Co., Titusville, Pa. Casing slip for drilling apparatus. 1,501,962; July 22.
Moore, D., Company. (See Mac Innes, Robert H., assignor.)
Moore, Harry G., Philadelphia, Pa. Internal-combustion engine. 1,502,264; July 22.
Moore, Raymond H., Chicago, Ill. Ventilating means for the receivers of belt conveyers. 1,502,050; July 22.
Moorman, Charles L., Chicago, Ill. Metal receptacle. 1,502,112; July 22.
Moore, Walter C., Owensboro, Ky. Weed extractor. 1,501,965; July 22.
Morgan & Wright. (See McGuire, Lee R., assignor.)
Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Air ejector. 1,502,478; July 22.
Morgan, Numa E., Atlanta, Ga. Electrical dental machine. 1,502,435; July 22.
Morita, Shigeo, San Francisco, Calif. Incense burner. Des. 65,293; July 22.
Morris, Edward K., Baltimore, Md. Collapsible box. 1,501,913; July 22.
Morris, Edward K., assignor to Fiber Specialty Company, Incorporated, Baltimore, Md. Collapsible folding box. 1,502,051; July 22.
Morris, Gideon, assignor of one-half to W. H. Roberson, Grand Saline, Tex. Dirigible headlight. 1,502,515; July 22.
Morris, John L., Los Angeles, Calif. Die for casting bearing liners. 1,502,393; July 22.
Moseley, William M. (See Faircloth, G. E., and Moseley.)
Moser, Morris B., Wells, Minn. Hydrocarbon burner. 1,502,394; July 22.
Mosgrove, Charles A., Watertown, Conn., assignor to The Autoyre Company, Inc. Garment fastener. 1,502,316; July 22.
Mould, James A., assignor to Evinrude Motor Company, Milwaukee, Wis. Water-supply connection. 1,502,479; July 22.
Mudd, William R., Evanston, Wyo. Vehicle signal. 1,502,113; July 22.
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, John G., Dayton, Ohio. Rail brace. 1,502,581; July 22.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Noslip flange. 1,502,154; July 22.
Müller, Karl, and W. Sander, Essen, Germany. Bearing-metal alloy. 1,502,321; July 22.
Multer, John S., Portsmouth, Ohio. Demountable rim. 1,502,516; July 22.
Munning, A. P., & Co. (See Hall, Wesley F., assignor.)
Munroe, Treadway B., assignor to C. F. Dahlberg, New Orleans, La. Drying apparatus. 1,501,966; July 22.
Murphy, G. W. J., Company. (See Bourque, David, assignor.)
Murphy, Mary J., St. Paul, O. Sandbank and W. Sandbank, New York Mills, Minn. Soap holder for washboards. 1,502,395; July 22.
Murphy, Walter P. (See Sisson, Vinton E., assignor.)
Murray, Howard J., New York, N. Y. Instrument safe for automotive vehicles. 1,502,344; July 22.
Murray, Howard J., New York, N. Y. Gear synchronizer. 1,502,345; July 22.
Murray, John C., Lakewood, Ohio. Drawing pad. 1,502,517; July 22.
Muth, John, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,502,346; July 22.
Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie. (See Lebeis, Martin, assignor.)
Nadeau, Robert, Fort Kent, Me. Dish and plate lifter. 1,501,967; July 22.
Narrow Fabric Co., The. (See Lepperhoff, Hans, assignor.)
Nasta, Dominick, Brooklyn, N. Y. Reel support. 1,502,518; July 22.
National India Rubber Company. (See Heilbecker, Eugene C., assignor.)
National Trust Company Limited. (See Hybinette, Noak V., assignor.)
Naylor, Carl G., Chicago, Ill., assignor to Naylor-Robertson Company. Spirally-wound pipe and making it. 1,502,052; July 22.
Naylor-Robertson Company. (See Naylor, Carl G., assignor.)
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. 1,502,519; July 22.
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. 1,502,520; July 22.

Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. 1,502,521; July 22.
Negri, Teresina M., Paris, France. Bust support. 1,502,436; July 22.
Neidig, Claude E., Camp Hill, Pa. Cover for electric switch keys. 1,502,582; July 22.
Nell, Gustave M., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill mounting. 1,502,317; July 22.
Nelson, Ivan J., Saginaw, Mich. Soap-dispensing machine. 1,502,347; July 22.
Nelson, Jos. E., & Sons. (See Tanner, Inos B., assignor.)
Nelson, Lewis D., Coldwater, Mich. Bag-tying machine. 1,502,114; July 22.
Neukom, Albert H., Toledo, Ohio. Automobile luggage rack. 1,502,480; July 22.
Neumann, Jan, Kromeriz, Czechoslovakia. T square. 1,502,396; July 22.
Newark Tube Company. (See Hunter, Thomas M., assignor.)
Newland, Barnet, New York, N. Y. Plate for lighting fixtures. Des. 65,294; July 22.
Newland, Barnet, New York, N. Y. Plate for lighting fixtures. Des. 65,295; July 22.
Newland, Barnet, New York, N. Y. Candle cup for lighting fixtures. Des. 65,296; July 22.
Newman, I., & Sons, Inc. (See Newman, S. J., and Dodge.)
Newman, Samuel J., and R. E. Dodge, assignors, by mesne assignments, to I. Newman & Sons, Inc., New Haven, Conn. Corset. 1,502,481; July 22.
Newton, Rolland H. (See Pearce, L. M., and Newton.)
Nicholson, Jacob P., assignor to Klean Rite Auto Laundry, Chicago, Ill. Apparatus for cleaning motor vehicles. 1,502,115; July 22.
Niemeyer, Henry C., Chicago, Ill. Vegetable harvester. 1,502,522; July 22.
Nikaido, Yasujuro, Bay City, Mich., assignor to Michigan Chemical Company. Fertilizer and making the same. 1,501,914; July 22.
Nikaido, Yasujuro, Bay City, Mich., assignor to Michigan Chemical Company. Making fertilizers. 1,501,915; July 22.
Nikaido, Yasujuro, Bay City, Mich., assignor to Michigan Chemical Company. Fertilizer and making the same. 1,501,916; July 22.
Noftzger, Charles F. (See Braley, Charles L., assignor.)
Nordstrom, Elof, East Orange, N. J., assignor to American Dan Bottle Seal Corporation, Dover, Del. Article-feeding hopper. 1,502,053; July 22.
Northern Trailer Company. (See Sargent, Don A., assignor.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Self-threading shuttle. 1,502,397; July 22.
Norton, Downes E., Hampton Hill, London, England. Match holder and box. 1,502,206; July 22.
Ober, Philip H., assignor to Mansfield Tire and Rubber Company, Mansfield, Ohio. Tire. 65,297; July 22.
O'Brien, Joseph A., Brookston, assignor of one-half to J. N. Kirkpatrick, La Fayette, Ind. Hog trap. 1,502,155; July 22.
O'Connell, James R., assignor of one-half to J. O. Hennett, Rochester, N. Y. Feed chuck. 1,502,116; July 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing. 1,502,002; July 22.
O'Donoghue, Aloysius S. (See Wrenn, H. B. P., and O'Donoghue.)
Oertel, Rudolf, Lichterfelde, near Berlin, and F. Dreyer, assignors to the Firm Goerz Photochemische Werke G. m. b. H., Zehlendorf, near Berlin, Germany. Dull or roughened photographic film and making same. 1,502,482; July 22.
O'Flaherty, Leo F., and W. L. Kirkpatrick, Elgin, Ill. Mixing valve. 1,502,483; July 22.
Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau. Cabinet such as used for visible index. 1,502,117; July 22.
Oilgear Company, The. (See Magie, W. E., and Ferris, assignors.)
Oilwell Supply Company. (See Mack, Patrick H., assignor.)
Olson, Ervie W. (See May, Frank J., assignor.)
Olson, Oscar, Brooklyn, N. Y. Shoe-tree-forming machine. 1,502,485; July 22.
Olson, Oscar F., Bethlehem, Pa. Roundabout. 1,502,484; July 22.
Onderdonk, Lansing, and A. J. Wohlpart, New York, N. Y., assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,501,968; July 22.
Ormsby, Elon A., Centerville, Calif. Can opener. 1,502,054; July 22.
Osborne, William F., Westwood, N. J. Viscosity-testing device. 1,502,118; July 22.
Osgood Bradley Car Company. (See Turner, Charles H., assignor.)
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Paige, Arthur E., Philadelphia, Pa. Steering wheel. 1,502,348; July 22.
Paine, Howard S., Chevy Chase, Md., and J. Hamilton, Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Preparing confections coated with fondant. 1,502,207; July 22.
Palmer-Bee Company. (See Bee, William E., assignor.)
Papanastasiou, Athanasios, East Pittsburgh, Pa. Marine disaster signal. 1,502,055; July 22.
Parkersburg Machine Company. (See Callanan, James T., jr., assignor.)
Parkhill, Mortimer S. (See Peters, A. E., and Parkhill.)
Pastore, Michael, Bridgeport, Conn. Cable guard for grooved pulleys. 1,502,208; July 22.
Paterson, David. (See Paterson, William, assignor.)
Paterson, William, Toronto, Ontario, Canada, assignor to D. Paterson, Lindsay, Ontario, Canada. Quick-release pitman. 1,502,265; July 22.
Patrick, Harry E., Evanston, and A. J. Peterson and J. W. Bermes, Chicago, Ill., assignors, by mesne assignments, to Dearborn Equipment Company, Kalamazoo, Mich. Apparatus for use in assembling, repairing, and limbering gas engines of various types. 1,502,349; July 22.
Patrick, Harry E., Evanston, and A. J. Peterson and J. W. Bermes, Chicago, Ill., assignors, by mesne assignments, to Dearborn Equipment Company, Kalamazoo, Mich. Truck jack. 1,502,350; July 22.
Patterson, Julius E. (See Dunn, F. E., and Patterson.)
Pauls, John W., Bundy, Mont. Corn tester. 1,501,969; July 22.
Pearce, Louis M., and R. H. Newton, Houston, Tex. Back-up post. 1,502,156; July 22.
Pearson, William H., Passaic, N. J. Machine for splicing cords. 1,502,056; July 22.
Peek, Norman W., Milwaukee, Wis. Foot accelerator. 1,502,523; July 22.
Pepin, Leonce G., Augusta, Me. Carrier. 1,502,583; July 22.
Perry & Webster Incorporated. (See Boynton, V. K., and Webster, assignors.)
Perry, Hannah O., Darien Center, N. Y. Attachment for knitting or crochet needles. 1,502,584; July 22.
Peters, Arthur E., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device for drill sharpeners. 1,501,917; July 22.
Peters, Arthur E., and M. S. Parkhill, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Sharpener for drill steels. 1,501,918; July 22.
Peters, John, Huntington, N. Y. Rubber holder for cylinders. 1,501,919; July 22.
Petersen, William, and C. D. Miller, assignors of one-fourth to E. Anderson and one-fourth to E. Johnson, Chicago, Ill. Smoke consumer. 1,502,585; July 22.
Peterson, Andrew J. (See Patrick, H. E., Peterson, and Bermes.)
Peterson, Walter S., Denver, Colo. Shock absorber. 1,502,209; July 22.
Phillips, Charles H., jr., Richmond Hill, N. Y., assignor to Seneca Glass Co., Morgantown, W. Va. Goblet or similar article. Des. 65,298; July 22.
Phillips, Harley R. (See Mojonnier, J. J., Phillips, and Warren.)
Pilny, John, New Brighton, and W. Kuehn, Elmhurst, N. Y. Operating means for curtains. 1,502,586; July 22.
Piper, Alonzo S., assignor to Stebler Parker Co., Riverside, Calif. Hand truck. 1,502,057; July 22.
Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)
Pittsburgh Transformer Company. (See McClintock, Lewis G., assignor.)
Platt, Clarence D., Bridgeport, Conn. Inclosed electric switch. 1,502,210; July 22.
Poberejsky, Jacques, Paris, France. Means for protecting gasoline or other tanks. 1,502,437; July 22.
Pompeian Company, The. (See Hart, Milo C., assignor.)
Poultney, Edward C., Llandudno, Wales. Fluid-pressure braking apparatus. 1,502,211; July 22.
Pratt, Benjamin H., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,299; July 22.
Precision Machine Company. (See Hussey, Charley F., assignor.)
Preuss, Emile V., Kelles, near Brussels, Belgium. Manufacture of molded articles. 1,502,157; July 22.
Price, Henry M., Washington, D. C. Building element. 1,502,438; July 22.
Price, Joseph W., jr., Philadelphia, Pa. Piston-rod packing. 1,502,524; July 22.
Priebatsch, Leon J., Brookhaven, Miss. Frame for beds. 1,502,587; July 22.
Probst, William G., Louisville, Ky. Electric enameling tool. 1,502,588; July 22.
Purdy, George A., Watertown, N. Y. Foot accelerator for automobiles. 1,502,119; July 22.
Purviance, Albert, Linden, Calif. Land leveler. 1,502,158; July 22.
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Quin, Charles W., Centralia, Wash. Ball. 1,502,058; July 22.
Raconovich, George, assignor of fifteen per cent to O. G. Hopkins, Sacramento, Calif. Lock. 1,502,318; July 22.
Rader, Cranston B. (See Lambert, D. S., and Rader.)

Radimak, Steven, assignor of one-half to D. Schiffer, New York, N. Y. Traveling electric fan. 1,502,266; July 22.
Radio Corporation of America. (See Clark, George H., assignor.)
Rafferty, Martin J., Chicago, Ill. Windshield wiper. 1,502,589; July 22.
Railway Devices Company. (See Hoerr, Louis A., assignor.)
Ramsay, David M., Glasgow, Scotland. Steam condenser. 1,502,525; July 22.
Rankin, William H., Waltham, and H. R. Marsh, Canton, assignors to R. Crompton, Worcester, Mass. Weft-replenishing loom. 1,502,319; July 22.
Rascher, Frederick H., Arlington Heights, Ill. Bag tier. 1,502,267; July 22.
Rasmussen, Charles, assignor of one-half to R. T. Ingalls, Racine, Wis. Machine for cutting rubber and the like. 1,502,120; July 22.
Reck, Maurus C., assignor to Sill Stove Works, Rochester, N. Y. Stove. 1,502,159; July 22.
Rector, Lon B., Los Angeles, Calif. Picking device. 1,502,439; July 22.
Reel, Sam, Evansville, Ind., assignor of one-half to E. Rick, Marion, Ill. Window screen. 1,501,970; July 22.
Rehfuss, Martin O., Philadelphia, assignor to United States Chain and Forging Company, Pittsburgh, Pa. Chain link. 1,502,526; July 22.
Reichard, Harold D., Akron, Ohio. Resilient tire. Des. 65,300; July 22.
Reichel, Walter, Berlin-Lankwitz, and W. Gscheidlen, Berlin-Schmargendorf, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Rotary field magnet. 1,502,527; July 22.
Reichmann, Frank J., Chicago, Ill. Vehicle. 1,502,398; July 22.
Reilly, Edward, et al. (See Abbey, Samuel C., assignor.)
Reinthal, Sol, assignor to The Bamberger Reinthal Company, Cleveland, Ohio. Winter or storm cap. 1,502,160; July 22.
Renner, Harold G., Detroit, Mich. Rivetable nut. 1,502,399; July 22.
Research Corporation. (See Ball, Charles F., assignor.)
Reulbach, Louis, Cleveland, Ohio. Extensible tool holder. 1,502,528; July 22.
Reymond, Martin H., Binghamton, N. Y. Leather-estimating slide rule. 1,501,920; July 22.
Reynolds, William J., et al. (See Abbey, Samuel C., assignor.)
Riblett, Albert A., Burkburnett, Tex. Automobile fender brace. 1,502,268; July 22.
Rice, Charles D., West Hartford, Conn. Hydraulic hoist. 1,502,121; July 22.
Rick, Emma. (See Reel, Sam, assignor.)
Riedesel, Louis A., Wheatland, Iowa. Agricultural implement. 1,502,529; July 22.
Rimailho, Emile, assignor to Compagnie des Forges & Acieries de la Marine & d'Homecourt, Paris, France. Equilibrating device. 1,502,320; July 22.
Ringe, John C., Stratford, Conn., assignor to The Singer Manufacturing Company. Sewing machine. 1,501,971; July 22.
Roberson, Willis H. (See Morris, Gideon, assignor.)
Robert, Herbert F., Malden, Mass. Massaging implement. 1,502,440; July 22.
Roberts, Samuel H., Chicago, Ill. Hoof pad. 1,502,441; July 22.
Robinson, Frank W., assignor to Schuylkill Hosiery Mills, Inc., Reading, Pa. Yarn-change binder for circular-knitting machines. 1,502,486; July 22.
Robinson, Walter W., assignor of one-half to B. F. Lyons, Beloit, Wis. Pressure-reducing valve. 1,502,212; July 22.
Rodrian Electro-Metallurgical Co. (See Rodrian, Richard, assignor.)
Rodrian, Richard, assignor to Rodrian Electro-Metallurgical Co., Incorporated, New York, N. Y. Electrolytic process for the production of sulphides. 1,502,213; July 22.
Roffy, Joseph T., Pittsburgh, Pa., assignor to The Standard Corporation. Light projector. 1,502,530; July 22.
Rogow, Sydney. (See Duncan, J. H., and Rogow.)
Rooney, Elwin H., Providence, R. I. Traveler guide for spinning, twisting, etc. 1,502,269; July 22.
Rosenau, Frank L., San Francisco, Calif. Recovering laundry material. 1,502,270; July 22.
Rosenthal, Charles A., New Orleans, La. Game board. 1,502,531; July 22.
Ross, James C., Seattle, Wash. Faucet. Des. 65,301; July 22.
Rossman, Allen M., and J. C. Sanderson, assignors to Sargent & Lundy, Incorporated, Chicago, Ill. Bus structure. 1,502,442; July 22.
Rowland, Clifford B., Trenton, N. J. Agricultural assorting machine. 1,502,059; July 22.
Ruberoid Company, The. (See Abraham, Herbert, assignor.)
Rudginsky, Harry, Boston, Mass. Resilient tire. Des. 65,302; July 22.
Ruggles, Gilbert W., Youngstown, Ohio. Stoker ram. 1,502,122; July 22.
Russell, John, Cutlery Company. (See Hawes, Austin W., assignor.)
Sable, Paul M., Minneapolis, Minn. Belt buckle. 1,502,487; July 22.
Sachs, Solomon, New York, N. Y. Portable phonograph. 1,502,060; July 22.
Safford, Henry, Little Rock, Ark. Inflammable shell. 1,502,400; July 22.
Sager, George A., Albany, N. Y. Low-water safety telltale. 1,502,590; July 22.
St. Clair, John A., Indianapolis, Ind. Sanding machine. 1,502,130; July 22.
St. Louis Pump and Equipment Company. (See Hart, Ira B., assignor.)
Sall, Sam, Syracuse, N. Y. Traction mat. 1,502,123; July 22.
Sallenbach, Ernest J., Joliet, Ill. Protector for pipe connections. 1,502,271; July 22.
Sampson, Meyer, Chicago, Ill. Automatic water controller suitable for bathtubs and such like reservoirs. 1,502,061; July 22.
Samson, Ed. (See Hargrave, Allen C., assignor.)
Sandbank, Olive. (See Murphy, M. J., and Sandbank.)
Sandbank, William. (See Murphy, M. J., and Sandbank.)
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Motion-picture camera. 1,502,401; July 22.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Self-playing musical instrument. 1,502,402; July 22.
Sander, Wilhelm. (See Müller, K., and Sander.)
Sanderson, John C. (See Rossman, A. M., and Sanderson.)
Sargent & Lundy, Incorporated. (See Rossman, A. M., and Sanderson, assignors.)
Sargent, Don A., assignor to Northern Trailer Company, Bangor, Me. Truck snowplow. 1,502,591; July 22.
Sauer, Johan N. A., Amsterdam, Netherlands. Preparing decolorizing carbon. 1,502,592; July 22.
Sayre, Elizabeth B., et al., executors. (See Sayre, William H.)
Sayre, William H., deceased, Glen Ridge, N. J.; W. H. Sayre, W. M. Beard, and E. B. Sayre, executors, assignors to American Abrasive Metals Company. Launder trough. 1,502,272; July 22.
Sayre, William H., et al., executors. (See Sayre, William H.)
Schaefer, William A. L., assignor to Jointless Fire Brick Company, Chicago, Ill. Making packages. 1,502,124; July 22.
Schaper, Henry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Automatic scale. 1,502,443; July 22.
Scharpenberg, Charles C., Bakersfield, and L. G. Gates, Whittier, assignors to Standard Oil Company, San Francisco, Calif. Crown block for well-drilling apparatus. 1,502,161; July 22.
Schenker, Francis, assignor to Dowd-Rodgers Company, Wallingford, Conn. Unitary combination tray and condiment holder. Des. 65,304; July 22.
Schiffer, David. (See Radimak, Steven, assignor.)
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 65,305; July 22.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vertical destroyer type blower. 1,502,062; July 22.
Schofield, Henry N., Kansas City, Mo. Pump. 1,501,922; July 22.
Schott & Gen. (See Hausrath, Herbert, assignor.)
Schottky, Walter, Wurzburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric-wave receiver. 1,502,063; July 22.
Schrader's, A., Son, Inc. (See Bowden, Junius A., assignor.)
Schroeder, William S. (See Goodnow, T. H., and Schroeder.)
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schulde, John, St. Louis, Mo. Refrigerator. 1,502,064; July 22.
Schultz, Fred, Decatur, Ill. Elevator. 1,502,273; July 22.
Schuylkill Hosiery Mills, Inc. (See Robinson, Frank W., assignor.)
Scott, Dudley H., Cleveland, Ohio. Liquid-level indicator. 1,502,125; July 22.
Scott, Robert D., Powell River, British Columbia, Canada. Clothespeg. 1,502,274; July 22.
Sousa, Lino, Phoenix, N. Y. Machine for winding cores. 1,501,921; July 22.
Segal Metal Products Company. (See Segal, Samuel, assignor.)
Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Sash fastener. 1,502,351; July 22.
Segedy, John, Brooklyn, assignor to M. Kraus, New York, N. Y. Cigar-bunch machine. 1,502,403; July 22.
Seipp, Henry C., Pittsburgh, Pa. Heater. 1,501,923; July 22.
Seitz, Gotthilf, Frankfort-on-the-Main, Germany. Arrangement for cleaning filters of fabric. 1,502,404; July 22.
Seneca Glass Co. (See Phillips, Charles H., jr., assignor.)
Serafini, Angelo, Erie, Pa. Antiskid device for vehicle wheels. 1,502,488; July 22.

Service Star Legion, Incorporated. (See Troupe, Hattie H., assignor.)
Settergren, Bernhard, Chicago, Ill. Differential clutch for power-driven vehicles, etc. 1,502,126; July 22.
Sewickley Electric Manufacturing Company. (See Freebie, Benjamin F., assignor.)
Shapiro & Aronson. (See Klein, Max, assignor.)
Shaw, John K., Minneapolis, Minn. Obtaining fibers from bagasse. 1,501,924; July 22.
Shaw, John K., Minneapolis, assignor to C. F. Dahlberg, St. Paul, Minn. Bagasse fiber and producing the same. 1,501,925; July 22.
Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Loaded transmission circuit. 1,501,926; July 22.
Shaw, Thomas. (See Martin, W. H., and Shaw.)
Shearer, George T., assignor of one-half to E. Bart, Atlanta, Ga. House-number box. Des. 65,303; July 22.
Shenhan, Aram, Providence, R. I. Finger guard for smoking pipes. 1,501,972; July 22.
Shepard, John W., Tucson, Ariz. Rod packing. 1,501,927; July 22.
Sheppard, Orlando, jr., Atlanta, Ga., and R. A. Trace, Dayton, Ohio, assignors to Buckeye Iron and Brass Works, Dayton, Ohio. Process and apparatus for charging cookers. 1,502,405; July 22.
Sherwin, Reidar T., New York, N. Y. Sand blower for automobiles. 1,502,214; July 22.
Shirk, David A. (See Wilson, Norman R., assignor.)
Shonle, Horace A., and A. Moment, assignors to The Eli Lilly & Company, Indianapolis, Ind. Hydriodide of the ester of 2-phenyl quinoline 4-carboxylic acid. 1,502,275; July 22.
Shrodes, George H., Porterville, Calif. Artificial limb. 1,502,593; July 22.
Shroyer, Jacob L., Oak Park, Ill. Grid for gas-burning broilers. 1,502,447; July 22.
Shulman, Harry L., assignor to Levy Shulman & Company, Inc., New York, N. Y. Shipping box. 1,502,162; July 22.
Siebert, Anna G., Reno, Nev. Baby harness. 1,502,276; July 22.
Siemens & Halske, Aktiengesellschaft. (See Schottky, Walter, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Reichel, W., and Gscheidlen, assignors.)
Silaj, Frank A., Chicago, Ill. Inkwell. Des. 65,306; July 22.
Sill Stove Works. (See Reck, Maurus C., assignor.)
Simmons, George P., assignor to Horrocks Desk Company, Herkimer, N. Y. Lubricator. 1,502,406; July 22.
Simonson, Leo B., New York, N. Y. Shampoo liquid fountain for hairdressing parlors. 1,502,352; July 22.
Simonson, Leo B., New York, N. Y. Means for illuminating booths. 1,502,353; July 22.
Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Corrugated-metal end structure for cars. 1,502,354; July 22.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall plate. 1,503,355; July 22.
Skidmore, Benjamin, jr., Chicago, Ill. Tank or liquid receiver. 1,502,127; July 22.
Sliwonik, Chester. (See Johnson, A. J., and Sliwonik.)
Smith, Albert W., Los Angeles, Calif. Turbogenerator. 1,502,065; July 22.
Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Numbering machine. 1,502,128; July 22.
Smith, August J., Chicago, Ill. Tongs. 1,502,356; July 22.
Smith, Edward J., assignor to Mrs. M. E. Smith, Cleveland, Ohio. Music stand and light support. 1,502,357; July 22.
Smith, Edwin C., et al., executors. (See Wardwell, Simon W.)
Smith, Henry O. (See Howlett, W. T., and Smith.)
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,501,973; July 22.
Smith, Mrs. Mary E. (See Smith, Edward J., assignor.)
Smith, Wayne L., Columbus, Ohio, Traction device. 1,502,407; July 22.
Smith, William A., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Oiler for pneumatic tools. 1,502,066; July 22.
Smith, William A., Detroit, Mich., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,502,648; July 22.
Smith, Winfield D., Deal, N. J., assignor to Knickerbocker Silver Company, Port Jervis, N. Y. Metal border strip for a dish or similar article. Des. 65,307; July 22.
Sohst, Martin A., San Francisco, Calif. Clamp. 1,502,215; July 22.
Sorensen, William E., New Orleans, La. Liquid-measurer and can filler. 1,502,408; July 22.
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-circulating mechanism. 1,502,068; July 22.
Speidel, Robert, Calmbach, Wildbad, Germany. Device for neutralizing pickled nourishments and fodder. 1,502,409; July 22.
Speiden, Theodore, Chicago, Ill. Universal circular arc template. 1,502,277; July 22.
Spiva, Giles F., assignor to Ideal Speed Control, Inc., Spokane, Wash. Speed control. 1,502,594; July 22.
Sprague, Frank N., Holyoke, Colo. Combined stabilizer and shock absorber. 1,502,595; July 22.
Sprague, William P., San Anselmo, Calif. Nasal douche. 1,502,163; July 22.
Spring, C. G., Company, The. (See Girl, C., and Dunston, assignors.)
Spring Stopper Company. (See Glaspey, Warren, E., assignor.)
Stalder, Merle D., Lincoln, Nebr. Trolley. 1,502,596; July 22.
Standard Corporation, The. (See Roffy, Joseph T., assignor.)
Standard Development Company. (See Howard, Frank A. and A. B., assignors.)
Standard Oil Company. (See Scharpenberg, C. C., and Gates, assignors.)
Standard Plastering System. (See Walper, Curry O., assignor.)
Starmann, George H., and H. Lindenberger, Chicago, Ill., assignors to U. S. Reduction Co. Melting scrap metal and recovering by-products therefrom. 1,502,129; July 22.
Stebler, Fred, assignor to Stebler Parker Co., Riverside, Calif. Hand truck. 1,502,067; July 22.
Stebler Parker Co. (See Piper, Alonzo S., assignor.)
Stebler Parker Co. (See Stebler, Fred, assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Apparatus for automatic arc welding. 1,502,489; July 22.
Stefan, Jacob, jr., Chicago Heights, assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Fence. Re15,878; July 22.
Stevens, William L., Elgin, Nebr. Bee trap. 1,502,278; July 22.
Stewart, Alonzo L., Rushville, Ind. Corn-turner attachment for grain drills. 1,502,279; July 22.
Still, Firm of Carl. (See Kuhn, Arthur, assignor.)
Stillwaggon, John H., Richmond Hill, N. Y. Standpipe cap. 1,502,444; July 22.
Stocking, Milton D., Lindenwood, Ill. Hopper attachment for harvesters. 1,501,974; July 22.
Stokes, Oscar E., Streator, Ill. Automatic safety clutch. 1,502,358; July 22.
Storer, George B., jr. (See Grob, William C., assignor.)
Strasser, Leopold, New York, N. Y. Wrist-watch case. Des. 65,308; July 22.
Strasser, Leopold, New York, N. Y. Wrist-watch case. Des. 65,309; July 22.
Strasser, Leopold, New York, N. Y. Wrist-watch case. Des. 65,310; July 22.
Strasser, Leopold, New York, N. Y. Wrist-watch case. Des. 65,311; July 22.
Straub, Albert J., Fresno, Calif. Bag holder. 1,502,164; July 22.
Strehlenert, Robert W., Nol, Sweden. Building material and manufacturing the same. 1,501,975; July 22.
Stromgren, Charles D., Los Angeles, Calif. Piston ring. 1,502,445; July 22.
Sturges, Charles L., Claremont, Calif. Flushing apparatus. 1,502,165; July 22.
Sun Rise Lamp Mfg. Co. (See Lipsky, Norman, assignor.)
Svejkovsky, William, Oklahoma City, Okla. Corncutter. 1,502,069; July 22.
Swindler, Robert M., Ottawa, and G. L. Bradshaw, Topeka, Kans. Horse collar. 1,501,928; July 22.
Symmons, Samuel J., San Francisco, Calif. Dental swaging device. 1,502,446; July 22.
Tack, William G., Garrettsville, Ohio. Ladder attachment. 1,502,490; July 22.
Tanner, Inos B., assignor to Jos. E. Nelson & Sons, Chicago, Ill. Liquid-treating apparatus. 1,502,448; July 22.
Tasker, William A., Vindex, Md. Bracket. 1,502,280; July 22.
Taylor, Bayard E., Oak Park, Ill. Vehicle door lock. 1,502,359; July 22.
Taylor, Harry E., Holland, Pa. Bag holder. 1,502,597; July 22.
Taylor-Wharton Iron and Steel Company. (See Jordan, R. D., and Hall, assignors.)
Technicolor Motion Picture Corporation. (See Wescott, William B., assignor.)
Teegan, Harry, Des Moines, Iowa. Auxiliary air-intake mechanism. 1,502,410; July 22.
Ternstedt Manufacturing Company. (See Edgar, Frank M., assignor.)
Testa, John, St. Paul, Minn. Toy bank. Des. 65,312; July 22.
Texas Company, The. (See Faircloth, G. E., and Moseley, assignors.)
Thoma, Walter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch. 1,502,449; July 22.
Thompson, Nathaniel A., Kansas City, Kans. Waterproofing for cloth. 1,502,598; July 22.
Threadgill, Wilmer, Laredo, Tex. Machine for picking cotton. 1,502,216; July 22.

Timmons, Samuel E., Lawton, Okla. Knockdown toy. 1,502,599; July 22.
Tin Decorating Company of Baltimore, The. (See Cady, Harrison, assignor.)
Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
Titusville Forge Co. (See Montgomery, Gustavus A., assignor.)
Tobin, Charles S., Miami, Fla. Phonograph. 1,502,532; July 22.
Tobler, Ernest, Brunswick, Germany. Combination lock. 1,502,411; July 22.
Tolle, Heinrich, Villingen, Baden, assignor to Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin, Germany. Printing tabulating machine. 1,502,360; July 22.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Oven or furnace. 1,502,070; July 22.
Townsend, George H., Bronxville, N. Y. Temperature indicating and regulating means for engine-cooling systems. 1,502,071; July 22.
Trace, Russell A. (See Sheppard, O., jr., and Trace.)
Travis, Homer H., Columbus, Ohio. Headlight attachment. 1,502,072; July 22.
Treger, Aron S., Independence, Kans. Alarm-clock mechanism. 1,502,491; July 22.
Triplett, Armstead E., Dallas, Tex. Burial vault. 1,502,217; July 22.
Trippe, William, Holstein, Mo. Grain binder. 1,501,929; July 22.
Troupe, Calvin F., executor. (See Troupe, Hattie H.)
Troupe, Hattie H., deceased, Relay, by C. F. Troupe, executor, Relay, Md., assignor to Service Star Legion, Incorporated, Baltimore, Md. Badge or similar article. Des. 65,313; July 22.
Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)
Turner, Charles H., assignor to Osgood Bradley Car Company, Worcester, Mass. Car ventilator. 1,502,412; July 22.
Turner, George, Union Township, Crawford County, Pa. Drawn vehicle. 1,502,281; July 22.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,502,413; July 22.
Tyler, W. S., Co., The. (See Disbro, Roger W., assignor.)
Umbenhower, Oras T., Garrett, Ind. Screen for automobile headlights. 1,502,282; July 22.
Underwood Typewriter Company. (See Doody, John E., assignor.)
Underwood Typewriter Company. (See McBrien, Harry T., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Paper Company. (See Watrous, Isaac A., assignor.)
Union Special Machine Company. (See Onderdonk, L., and Wohlpart, assignors.)
Union Switch & Signal Company, The. (See Vanatta, Frank T., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United States Chain and Forging Company. (See Rehfuss, Martin O., assignor.)
U. S. Reduction Co. (See Starmann, G. H., and Lindenberger, assignors.)
Utilities Development Corporation. (See Harris, Barnett W., assignor.)
Utz, John G. (See Girl, C., and Utz.)
V. L. Oil Processes, Limited. (See Lucas, Owen D., assignor.)
Vachier, Rafael, Baton Rouge, La. Carbonizing and revivifying retorts. 1,502,600; July 22.
Vanatta, Frank T., Mill Valley, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. Re15,879; July 22.
Van Ballegooijen, George, Zion, Ill. Heater. 1,502,601; July 22.
Van Hook, Charles F., assignor to The Watson Machine Company, Paterson, N. J. Locking device for spools. 1,502,218; July 22.
Van Valkenburg, Hermon L., and F. W. Magin, assignors to Industrial Controller Company, Milwaukee, Wis. Motor starter. 1,502,361; July 22.
Vaudreuil, John, Milwaukee, Wis. Dishwasher. 1,502,131; July 22.
Vergés, Juan B., Buenos Aires, Argentina. Driving gear for tractors and the like. 1,501,930; July 22.
Vester, Alfred, Sons, Inc. (See Howell, Hamilton T., assignor.)
Vickers Limited. (See Lucas, Owen D., assignor.)
Victor Chemical Works. (See Mathias, Lewis D., assignor.)
Vidack, John B., Chicago, Ill. Vehicle spring. 1,502,602; July 22.
Vitek, Marie, Maywood, Ill. Clamp. 1,502,362; July 22.
Voss, Johann H. H., New York, N. Y. Valve spring. 1,502,363; July 22.
Wagner, Bernard P., assignor to The Wagner Manufacturing Company, Sidney, Ohio. Cooking utensil. 1,502,073; July 22.
Wagner Manufacturing Company, The. (See Wagner, Bernard P., assignor.)
Walden, Stanley F., West Newton, Mass. Tire carrier. 1,501,976; July 22.
Wallace, Charles F., Westfield, N. J. Carburetor. 1,502,219; July 22.
Walper, Curry O., assignor to Standard Plastering System, Detroit, Mich. Composition board. 1,502,603; July 22.
Wardwell, Simon W., deceased, Providence, R. I.; C. V. J. Christensen, E. C. Smith, A. A. Armington, and W. W. Bardsley, executors. Bobbin winder. 1,502,074; July 22.
Warne, Frederick C., Mansfield, Ohio. Lock nut. 1,502,492; July 22.
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Henri B. (See Mojonnier, J. J., Phillips, and Warren.)
Warren, Henry E., assignor to Warren Clock Company, Ashland, Mass. Time-indicating apparatus. 1,502,493; July 22.
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Time-indicating apparatus. 1,502,494; July 22.
Warren, Lewis W., administrator. (See Mojonnier, J. J., Phillips, and Warren.)
Washuk, John, Detroit, Mich. Concealed trouser-supporting belt. 1,502,414; July 22.
Waterman, Arthur, East Orange, N. J., assignor to Edward V. Hartford, Inc., New York, N. Y. Shock absorber. 1,502,364; July 22.
Watrous, Isaac A., Bridgeport, Conn., assignor to Union Paper Company, New York, N. Y. Paper-box machinery. 1,502,220; July 22.
Watson Machine Company, The. (See Van Hook, Charles F., assignor.)
Waxman, Samuel B., assignor to L. Greif & Bro. Incorporated, Baltimore, Md. Trousers. 1,502,533; July 22.
Weaver, Earl L., assignor to The Goshen Manufacturing Company, Goshen, Ind. Ladder. 1,501,977; July 22.
Weaver, Floyd C., Washington, D. C. Gauge-block form. 1,502,075; July 22.
Webb, Ernest H., assignor to The Webb Wire Works, New Brunswick, N. J. Friction clutch. 1,501,978; July 22.
Webb Wire Works, The. (See Webb, Ernest H., assignor.)
Webber, George M. (See Clear, C. J., and Webber.)
Webster, Paul W. (See Boynton, V. K., and Webster.)
Weddle, Caleb S., Casper, Wyo. Adjustable brace. 1,501,931; July 22.
Weinberg, Charles, Brooklyn, N. Y. Automobile fender. 1,502,495; July 22.
Weinrich, Dorothea J. E., executrix. (See Weinrich, Moriz.)
Weinrich, Moriz, deceased, New York, N. Y.; D. J. E. Weinrich, executrix. Revivifying carbonaceous filtering mediums. 1,502,076; July 22.
Weiss, Charles, Lansdale, Pa., assignor to Central Radiator Company, New York, N. Y. Gas burner. 1,502,604; July 22.
Weitkamp, Aquasie E., New York, N. Y. Container. 1,502,166; July 22.
Welch Brothers Company. (See Welch, James G., assignor.)
Welch, James G., assignor to Welch Brothers Company, North Chicago, Ill. Milk-bottle holder. 1,502,322; July 22.
Welcker, Paul H., assignor to Brown & Bigelow, St Paul, Minn. Desk file and tray. 1,502,605; July 22.
Wells, Robert L., and F. Buckner, Chicago, Ill. Plant picker. 1,502,612; July 22.
Wentland, Andrew H., et al. (See Graham, David M., assignor.)
Wescott, William B., Wellesley, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematographic machine. 1,502,077; July 22.
Wescott, William B., Wellesley, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Lens system. 1,502,078; July 22.
Western Electric Company. (See Fry, Thornton C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Morgan, David W. R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Gear and Dynamometer Company. (See Allen, Robert C., assignor.)
Westinghouse Gear and Dynamometer Company. (See Ehrhart, Raymond N., assignor.)
Westinghouse Gear & Dynamometer Company. (See Hodgkinson, Francis, assignor.)
Westling, Eric H., Redwood City, assignor to E. Winship, San Francisco, Calif. Making lead nitrate and hydrated manganese dioxide. 1,502,079; July 22.

Weston, Frederick T., London, England. Laminated spring. 1,502,167; July 22.
Wheeler Condenser & Engineering Company. (See Lonsdale, William, assignor.)
Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
Whelan, Eugene B., Omaha, Nebr. Locomotive drifting valve. 1,502,283; July 22.
Whelan, Frank J., Brooklyn, N. Y. Carton. 1,502,606; July 22.
Whitman, Charles F., Detroit, Mich. Making bolt blanks. 1,502,221; July 22.
Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,502,163; July 22.
Wilcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
Williams, David C., Medfield, Mass. Combined table and radiocabinet. Des. 63,514; July 22.
Williams, David C., Medfield, Mass. Radiotable. Des. 65,315; July 22.
Williams, David C., Medfield, Mass. Radiocabinet. Des. 65,316; July 22.
Williams, J. B., Company, The. (See Williams, Philip K., assignor.)
Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Shaving-stick container. 1,502,496; July 22.
Williams, Raymond R. (See Hill, G. E., and Williams.)
Willson, Robert W., deceased, Cambridge, Mass.; A. H. Brooks, administrator. Optical instrument. 1,501,979; July 22.
Wilson, Albert A., Minneapolis, Minn. Device for automatically controlling the temperature of automobile radiators. 1,501,932; July 22.
Wilson, Albert A., Minneapolis, Minn. Device for automatically controlling the temperature of cooling systems of internal-combustion engines. 1,501,933; July 22.
Wilson, Bertram E., assignor of one-half to J. R. Haupenthal, Rochester, N. Y. Game of skill. 1,502,363; July 22.
Wilson, Don C., East Orange, N. J. Axle pulley for car lighting. 1,502,080; July 22.
Wilson, Fred D., and L. S. Burns, Harvey, Ill., assignors to Austin Manufacturing Co., Chicago, Ill. Highway-maintenance machine. 1,502,081; July 22.
Wilson, Fred D. (See Beatty, W. T., Davis, and Wilson.)
Wilson, James S., Scranton, Pa. Sectional grate bar. 1,502,284; July 22.
Wilson, Norman R., Belleville, assignor to D. A. Shirk, Glen Ridge, N. J. Precipitating an insoluble sulphide from a soluble sulphosalt. 1,502,285; July 22.
Wimmer, Karl H., Bremen, Germany, assignor to Coffee Products Corporation, New York, N. Y. Preparing caffeine-free coffee beans. 1,502,222; July 22.
Winchester Repeating Arms Company. (See Humeston, Frederick L., assignor.)
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. 1,502,082; July 22.
Winn, Chester B., Buffalo, N. Y. Artificial leg. 1,502,415; July 22.
Winship, Emory. (See Westling, Eric H., assignor.)
Wireless Specialty Apparatus Company. (See Macpherson, Byron, assignor.)
Wise, Solomon, Cincinnati, Ohio. Steering-wheel lock. 1,501,934; July 22.
Wohlpart, August J. (See Onderdonk, L., and Wohlpart.)
Wong, Harry, Duluth, Minn. Alarm clock. 1,501,935; July 22.
Wood, Logan T., Milwaukee, Wis. Vehicle body-dumping apparatus. 1,502,534; July 22.
Wood, William H., South Euclid, Ohio. Respirator. 1,502,450; July 22.
Wood, William H., South Euclid, Ohio. Respirator. 1,502,451; July 22.
Wood, William H., South Euclid, Ohio. Lamp. 1,502,452; July 22.
Wood, William H., South Euclid, Ohio. Headlight. 1,502,453; July 22.
Wood, William H., South Euclid, Ohio. Lamp. 1,502,454; July 22.
Wood, William H., South Euclid, Ohio. Storage battery. 1,502,455; July 22.
Worthington Pump and Machinery Corporation. (See Hicks, George C., jr., assignor.)
Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
Worthington, Roland B., assignor to Miami Manufacturing Company, Miami, Fla. Casement-window operator. 1,502,132; July 22.
Wreen, Henry B. P., and A. S. O'Donoghue, Cleveland, Ohio. Overhead electrical conductor system. Re15,976; July 22.
Wright, George, Aurora, Colo. Game. 1,502,607; July 22.
Wright, James A., Chicago, Ill. Die plate for dental bridgework. 1,502,366; July 22.
Wright, Parvin. (See Gerrard, A. J., and Wright.)
Young, Helen B., New York, N. Y. Baby-blanket harness. 1,502,608; July 22.
Young, Valedo M., Chicago, Ill. Method of and means for picking fowl and the like. 1,502,535; July 22.
Zaccaria, Luigi. (See Guerrini, P., and Zaccaria.)
Zoelly, Heinrich, Zurich, Switzerland. Lubricating device for toothed gearings. 1,502,083; July 22.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator, Foot. N. W. Peek. 1,502,523; July 22.
Adding machine. M. Lebeis. 1,502,388; July 22.
Adjustable brace. C. S. Weddle. 1,501,931; July 22.
Adjusting and locking apparatus. F. Koenigkramer. 1,502,001; July 22.
Agricultural implement. L. A. Riedesel. 1,502,529; July 22.
Air-brake apparatus. S. G. Neal. 1,502,519–21; July 22.
Air ejector. D. W. R. Morgan. 1,502,478; July 22.
Air-intake mechanism, Auxiliary. H. Teegan. 1,502,410; July 22.
Airship. M. W. Adkins. 1,502,084; July 22.
Alarm: *See*—
Fire alarm.
Alcohol, Purifying and deodorizing isopropyl. M. D Mann, jr. 1,502,149; July 22.
Alloy for bearing metals and using same, Hardening. R. H. Evans. 1,502,425; July 22.
Alloy, Nickel. N. V. Hybinette. 1,501,906; July 22.
Anæsthetic apparatus. J. A. Heidbrink. Re15,873; July 22.
Animal life, Apparatus for destroying. D. B. Mackie. 1,501,958; July 22.
Antiskid device for vehicle wheels. A. Serafini. 1,502,488; July 22.
Arc template, Universal circular. T. Speiden. 1,502,277; July 22.
Ash tray. C. F. Gaunt. Des. 65,262; July 22.
Ash tray or similar article. B. F. Freeble. Des. 65,261; July 22.
Assorting machine, Agricultural. C. B. Rowland. 1,502,059; July 22.
Auto pressure brake. C. J. McNerny. 1,502,580; July 22.
Automobile bumper. C. Girl. Des. 65,266–9; July 22.
Automobile bumper. C. Girl and W. E. Dunston. Des. 65,264–5; July 22.
Automobile curtain and top. B. H. Cozine. 1,502,423; July 22.
Automobile door handle. F. H. Auld. Des. 65,214; July 22.
Automobile fender brace. A. A. Riblett. 1,502,268; July 22.
Automobile fender. C. Weinberg. 1,502,495; July 22.
Automobile lighting system. H. P. J. Earnshaw. 1,502,424; July 22.
Automobile luggage rack. A. H. Neukom. 1,502,480; July 22.
Automobile radiator cap. S. G. Brooks. Des. 65,219; July 22.
Automobile radiators, Device for automatically controlling the temperature of. A. A. Wilson. 1,501,932; July 22.
Automobile seating arrangement. C. Hurst. 1,502,250; July 22.
Automobile signal. F. J. May. 1,502,639; July 22.
Automobile steering knuckle and axle. W. M. Jones, jr. 1,502,504; July 22.
Automobile switch lock. E. J. Martel. 1,502,047; July 22.
Automobile tool holder. W. H. Dever, jr. 1,502,180; July 22.
Automobiles, Foot accelerator for. G. A. Purdy. 1,502,119; July 22.
Automobiles, Sand blower for. R. T. Sherwin. 1,502,214; July 22.
Awning. R. Forrest. 1,502,182; July 22.
Baby-blanket harness. H. B. Young. 1,502,608; July 22.
Baby harness. A. G. Siebert. 1,502,276; July 22.
Back-up post. L. M. Pearce and R. H. Newton. 1,502,156; July 22.
Badge. I. L. Brown. Des. 65,220; July 22.
Badge or similar article. H. H. Troupe. Des. 65,313; July 22.
Bag: *See*—
Golf bag.
Bag holder. A. J. Straub. 1,502,164; July 22.
Bag holder. H. E. Taylor. 1,502,597; July 22.
Bag tier. F. H. Rascher. 1,502,267; July 22.
Bag-tying machine. L. D. Nelson. 1,502,114; July 22.
Bagasse fiber and producing the same. J. K. Shaw. 1,501,925; July 22.
Baking or drying substances at high temperatures and for subsequently cooling same, Apparatus for. R. Greenwood. 1,502,186; July 22.
Baling presses, Block-setting mechanism for. A. Grieves. 1,501,945; July 22.
Ball. C. W. Quin. 1,502,058; July 22.
Balloon, Captive. M. Q. Corbett, W. E. Huffman, and C. F. Adams. 1,502,551; July 22.
Band-making machine. Tubular. M. O. Clauss. 1,502,134; July 22.
Bar: *See*—
Grate bar.
Baseball game-board. M. M. Doob. 1,502,619; July 22.
Basket-cover fastener. A. D. Biggs. 1,502,368; July 22.
Basket, Fruit. W. C. Cook. Des. 65,251; July 22.
Batch-box apparatus. E. H. Lichtenberg. 1,501,954; July 22.
Bathtubs and such like reservoirs, Automatic water controller suitable for. M. Sampson. 1,502,061; July 22.
Battery: *See*—
Storage battery.
Bearing liners, Die for casting. J. L. Morris. 1,502,393; July 22.
Bearing-metal alloy. K. Müller and W. Sander. 1,502,321; July 22.
Bearing, Side. J. F. O'Connor. 1,502,002; July 22.
Bed for automobiles, Folding. C. E. Davis. 1,502,498; July 22.
Bed frame. L. J. Priebatsch. 1,502,587; July 22.
Bedivan. P. P. Bebry. 1,502,329; July 22.
Bedstead end frame. W. Lies. Des. 65,286–7; July 22.
Bee trap. W. L. Stevens. 1,502,278; July 22.
Beet-topping machine. O. C. Hanson. 1,502,384; July 22.
Belt, Concealed trouser-supporting. J. Washuk. 1,502,414; July 22.
Belt conveyers, Ventilating means for the receivers of. R. H. Moore. 1,502,050; July 22.
Bending machines, Stop-mechanism for. J. H. Holmgreen. 1,502,633; July 22.
Binders, Carrier-operating mechanism for. L. K. O. Bakke. 1,502,102; July 22.
Bit: *See*—
Drill bit.
Blade holder. E. W. Hammond. 1,502,627; July 22.
Blower, Vertical destroyer type. H. F. Schmidt. 1,502,062; July 22.
Board: *See*—
Baseball game board. Game board.
Composition board. Ironing board.
Bobbin winder. S. W. Wardwell. 1,502,074; July 22.
Boiler plug. F. E. Key. 1,502,038; July 22.
Bolt blanks, Making. C. F. Whitman. 1,502,221; July 22.
Bonding drill. F. A. Jimerson. 1,502,339; July 22.
Book and the like, Account. M. Horovitz. 1,501,905; July 22.
Boot or shoe. J. Bunns. 1,502,087; July 22.
Booths, Means for illuminating. L. B. Simonson. 1,502,353; July 22.
Bottle holder, Milk. J. G. Welch. 1,502,322; July 22.
Bottles and the like and making same, Holder for milk. E. French. 1,502,242; July 22.
Bottles, etc., Machine for making. W. E. Glaspey. 1,502,560; July 22.
Box: *See*—
Collapsible box. Folding box.
Collapsible folding box. Ornamental box.
Exhaust box. Shipping box.
Box. E. Daltroff. Des. 65,252; July 22.
Box cover or similar article. M. H. Connor. Des. 65,233–41; July 22.
Box cover or similar article. M. H. Connor. Des. 65,243–6; July 22.
Box cover or similar article of manufacture. M. H. Connor. Des. 65,224–30; July 22.
Box or similar article. M. H. Connor. Des. 65,231–2; July 22.
Box or similar article. M. H. Connor. Des. 65,242; July 22.
Box or similar article. M. H. Connor. Des. 65,248–50; July 22.
Box or similar article of manufacture. H. Cady. Des. 65,222; July 22.
Boxes. Reenforcing corners for. R. C. Carlson. 1,502,017; July 22.
Brace: *See*—
Adjustable brace. Rail brace.
Automobile fender brace.

Bracket. W. A. Tasker. 1,502,280; July 22.
Brake: *See*—
Auto pressure brake.
Brake and clutch mechanism, Bumper-operated. A. Kurtis. 1,502,145; July 22.
Braking apparatus, Fluid-pressure. E. C. Poultney. 1,502,211; July 22.
Brake-shoe key. S. H. Camphell. 1,502,459; July 22.
Brassière. U. B. Herrick. 1,502,000; July 22.
Brazing and welding. Compound for. A. J. Knowles. 1,502,144; July 22.
Bread making. W. P. Heath. 1,502,563; July 22.
Bricklaying device. O. F. Mann. 1,502,046; July 22.
Brick, Waterproof. A. Gumowski. 1,502,501; July 22.
Broilers, Grid for gas-burning. J. L. Shroyer. 1,502,447; July 22.
Brooder. V. Casazza. 1,502,549; July 22.
Brush, Folding. S. A. Jaroski. 1,502,432; July 22.
Brush, Fountain. G. A. Meisner. 1,502,263; July 22.
Brush, Fountain lather. A. J. Anderson. 1,502,538; July 22.
Brush, Fountain lather. G. G. Floyd. 1,502,464; July 22.
Brush holder. R. W. Elliott, W. A. Johnston, and L. J. Buerkle. 1,502,139; July 22.
Brush, Shaving. D. M. Anderson. 1,502,226; July 22.
Buckle, Belt. P. M. Sable. 1,502,487; July 22.
Buckle for straps and belts. A. H. Kerngood. 1,502,372; July 22.
Building construction. W. L. Evans, jr. 1,501,986; July 22.
Building clement. H. M. Price. 1,502,438; July 22.
Building material and manufacturing the same. R. W. Streblenert. 1,501,975; July 22.
Bumper. C. Girl and J. G. Utz. 1,502,305; July 22.
Burner: *See*—
Gas burner. Liquid-fuel burner.
Hydrocarbon burner. Oil burner.
Bus structure. A. M. Rossman and J. C. Sanderson. 1,502,442; July 22.
Rust and skirt form, Combined. M. Brecker. 1,502,457; July 22.
Bust support. T. M. Negri. 1,502,436; July 22.
Button, Hose-supporter. C. J. Hazelton. Re15,877; July 22.
Cabinet, Jewelry. W. S. Bechtold. Des. 65,215; July 22.
Cabinet such as used for visible index. E. Ohnstrand. 1,502,117; July 22.
Calculating machine. J. M. M. Barr. 1,502,610; July 22.
Camera, Aerial. B. D. Chamberlin. 1,502,173; July 22.
Camera, Motion-picture. H. K. Sandell. 1,502,401; July 22.
Can opener. S. H. Garrett. 1,502,465; July 22.
Can opener. E. A. Ormsby. 1,502,054; July 22.
Cap. A. Josephs. 1,502,202; July 22.
Cap, Winter or storm. S. Reinthal. 1,502,160; July 22.
Car coupler. O. H. Le Compte. 1,502,146; July 22.
Car, Dump. H. F. Flowers. 1,502,362; July 22.
Car lighting, Axle pulley for. D. C. Wilson. 1,502,080; July 22.
Car ventilator. C. H. Turner. 1,502,412; July 22.
Cars, Check hanger for mine. J. Mervin. 1,502,049; July 22.
Cars, Corrugated-metal end structure for. V. E. Sisson. 1,502,354; July 22.
Cars, Doorstop for end-door automobile freight. C. Harter. 1,502,307; July 22.
Cars, Running gear for motor. P. Daimler. 1,502,090; July 22.
Cars, Signal system for railway. A. E. Blaylock. 1,502,419; July 22.
Carbon, Preparing decolorizing. J. N. A. Sauer. 1,502,592; July 22.
Carburetor. H. C. Dreis. 1,502,378; July 22.
Carburetor. C. F. Wallace. 1,502,219; July 22.
Carrier: *See*—
Pin carrier. Tire carrier.
Carrier. L. G. Pepin. 1,502,583; July 22.
Carrier dispatch system. J. A. Bauer. 1,502,326; July 22.
Carton. F. J. Whelan. 1,502,606; July 22.
Cartridge, Dynamite. E. A. Hedin. 1,502,646; July 22.
Case: *See*—
Key case. Vanity case.
Casing from wells, Tool for removing. J. W. Loy. 1,502,105; July 22.
Catalyst, Making. L. Casale. 1,502,336; July 22.
Catalytic bodies, Preparation of. O. D. Lucas. 1,502,260; July 22.
Catamenial appliance. J. Hollrigl. 1,502,503; July 22.
Cellulose derivatives, Manufacture of. H. Dreyfus. 1,502,379; July 22.
Chain fastener. E. L. Hill. 1,502,386; July 22.
Chain link. M. O. Rehfuss. 1,502,526; July 22.
Chrome alum, Preparing crystals of. P. Hasenclever. 1,502,035; July 22.
Chuck, Adjustable. A. J. Johnson. 1,502,636; July 22.
Chuck, Feed. J. R. O'Connell. 1,502,116; July 22.
Cigar-bunch machine. J. Segedy. 1,502,403; July 22.
Cigar-display device and clamp for assembling the same. D. A. Gallagher. 1,502,094; July 22.
Cinematographic machine. W. B. Wescott. 1,502,077; July 22.
Cipher production. A. G. Damm. 1,502,376; July 22.
Circuit-closing device. W. A. Lee. 1,502,638; July 22.
Circuit controllers, Adjustable rotary. R. C. Leake. 1,502,643; July 22.
Clamp: *See*—
Wire and rope clamp.
Clamp. M. A. Sohst. 1,502,215; July 22.
Clamp. M. Vitek. 1,502,362; July 22.
Clasp: *See*—
Garter clasp.
Clasp. G. Mezei. 1,502,512; July 22.
Cleaner for tumblers. J. L. Dahl and R. H. Frech. 1,502,641; July 22.
Clip: *See*—
Paper clip.
Clipper, Shrubbery. A. F. Bishop. 1,502,331; July 22.
Clock, Alarm. H. Wong. 1,501,935; July 22.
Clock mechanism, Alarm-. A. S. Treger. 1,502,491; July 22.
Clothespeg. R. D. Scott. 1,502,274; July 22.
Cutch. W. Thoma. 1,502,449; July 22.
Clutch, Automatic safety. O. E. Stokes. 1,502,358; July 22.
Clutch for power-driven vehicles, etc., Differential. B. Settergren. 1,502,126; July 22.
Clutch, Friction. E. H. Webb. 1,501,978; July 22.
Clutch mechanism, Lubricating device for reversing. E. E. Greve. 1,501,995; July 22.
Coal and gas heater, Combination. H. Lange. 1,502,575; July 22.
Cock holder, Angle-. L. A. Hoerr. 1,502,472; July 22
Coffee beans, Preparing caffeine-free. K. H. Wimmer 1,502,222; July 22.
Coil support. C. T. Hibbard. 1,502,194; July 22.
Collapsible box. E. K. Morris. 1,501,913; July 22.
Collapsible folding box. E. K. Morris. 1,502,051; July 22.
Collar-ring husk. H. T. Howell. Des. 65,276; July 22.
Combination lock. E. Tobler. 1,502,411; July 22.
Composition board. C. O. Walper. 1,502,603; July 22.
Concrete beams, Adjustable mold form for. A. H. Acher. 1,502,323; July 22.
Concrete constructions, Sectional steel form for. L. A. Longley. 1,502,508; July 22
Concrete form. J. H. Duncan and S. Rogow. 1,502,092; July 22.
Concrete-pipe-forming machine. S. G. MacTarnaghan. 1,502,509; July 22.
Condenser. W. Lonsdale. 1,502,256; July 22.
Condenser, Steam. D. M. Ramsay. 1,502,525; July 22.
Condensers, Process and apparatus for making electrical B. Macpherson. 1,502,343; July 22.
Confections coated with fondant, Preparing. H. S Paine and J. Hamilton. 1,502,207; July 22.
Container. A. E. Weitkamp. 1,502,166; July 22.
Control device, Automatic. G. S. Carrick. 1,502,548; July 22.
Control device, Remote. F. W. Mills. 1,502,153; July 22.
Converter. H. Folkerts. 1,502,621; July 22.
Conveyers, Portable attachment for. G. E. Faircloth and W. M. Moseley. 1,502,093; July 22.
Cookers, Process and apparatus for charging. O. Shepard, jr., and R. A. Trace. 1,502,405; July 22.
Cooking utensil. B. P. Wagner. 1,502,073; July 22.
Cords, Machine for splicing. W. H. Pearson. 1,502,056; July 22.
Corncutter. W. Svejkovsky. 1,502,069; July 22.
Corn tester. J. W. Pauls. 1,501,969; July 22.
Corset. S. J. Newman and R. E. Dodge. 1,502,481; July 22.
Cotton, Machine for picking. W. Threadgill. 1,502,216; July 22.
Cover, Food-display. M. Metzger. 1,502,109; July 22.
Crank cases, Oil-level-indicating attachment for. A. F. Gillet. 1,501,990; July 22.
Crate, Folding. J. R. Klug. 1,502,252; July 22.
Creasing, Process and machine for. C. H. Hall and G. Knudsen. 1,502,032; July 22.
Cross arm. R. E. Gray. 1,502,031; July 22.
Cup: *See*—
Oil cup.
Curb box and automatic gas cut-off, Combined. J. Gillen. 1,502,466; July 22.
Curtains, Operating means for. J. Pilny. 1,502,586; July 22.
Cushion. J. N. and J. H. Kelman. 1,502,387; July 22.
Cutlery, Making table. A. W. Hawes. 1,502,502; July 22.
Cutter: *See*—
Corncutter.
Cutting and sawing device. V. V. Colby. 1,502,088; July 22.
Cutting tool. G. E. Hill and R. R. Williams. 1,501,948; July 22.
Cylinders, Rubber holder for. J. Peters. 1,501,919; July 22.
Damper, Hot-air. C. S. Hood. 1,502,100; July 22.
Dental appliance. R. G. Crane. 1,502,292; July 22.
Dental appliance. J. V. Hanberg. 1,502,247; July 22.
Dental bridge. E. H. Goering. 1,501,992; July 22.
Dental bridgework, Die plate for. J. A. Wright. 1,502,366; July 22.
Dental flask press. F. P. Davies. 1,502,377; July 22.
Dental floss holder, Casing for a. F. L. MacDonald. Des. 65,290; July 22.

Dental machine, Electrical. N. E. Morgan. 1,502,435; July 22.
Dental swaging device. S. J. Symmons. 1,502,446; July 22.
Desk file and tray. P. H. Welcker. 1,502,605; July 22.
Diatomaceous-earth product and making same. R. Calvert, K. L. Dern, and G. A. Alles. 1,502,547; July 22.
Digger: *See*—
Potato digger.
Dimmer, Disappearing. E. Hlavacek. 1,502,471; July 22.
Dish and plate lifter. R. Nadeau. 1,501,967; July 22.
Dish or similar article, Metal border strip for a. W. D. Smith. Des. 65,307; July 22.
Dishwasher. J. Vaudreuil. 1,502,131; July 22.
Dispensing apparatus. F. R. Fuquay. 1,502,028; July 22.
Display and vending apparatus. E. Brunhoff. 1,501,983; July 22.
Display fixture. W. E. Kehoe. Des. 65,277; July 22.
Display-card stand. E. P. Hawley. 1,502,248; July 22.
Doll, Dancing. F. B. Meehan. 1,501,912; July 22.
Door-lock escutcheons, Attachment for. E. W. Fredrickson. 1,501,988; July 22.
Door, Metallic. R. W. Disbro. 1,502,091; July 22.
Douche, Nasal. W. P. Sprague. 1,502,163; July 22.
Drain trap. W. R. Gillies. 1,502,184; July 22.
Drawing pad. J. C. Murray. 1,502,517; July 22.
Drill: *See*—
Bonding drill.
Drill bit. G. W. Dunsworth. 1,502,463; July 22.
Drill mounting. G. M. Nell. 1,502,317; July 22.
Drill support. P. Guerrini and L. Zaccaria. 1,502,383; July 22.
Drilling apparatus, Casing slip for. G. A. Montgomery. 1,501,962; July 22.
Drilling machines, Drill or grief stem for rotary. E. E. Greve. 1,501,994; July 22.
Dry-pipe system. A. J. Loepsinger. 1,501,956; July 22.
Drying apparatus. T. B. Munroe. 1,501,966; July 22.
Dust collectors, Screen for. M. A. Eiben. 1,501,984; July 22.
Educational article. C. C. Alvord. 1,502,006; July 22.
Ejector and nozzle therefor. C. E. Lucke. 1,502,203; July 22
Electric heating-cord machine. C. L. McBride, jr. 1,502,043; July 22.
Electric regulation. J. L. Creveling. 1,502,373–4; July 22.
Electric steam radiator. A. C. Hulbert. 1,502,249; July 22.
Electric switch. G. A. Burnham. 1,502,640; July 22.
Electric switch, Inclosed. C. D. Platt. 1,502,210; July 22.
Electric switch keys, Cover for. C. E. Neidig. 1,502,582; July 22.
Electric tool. C. B. Bennett. 1,502,169; July 22.
Electric-wave receiver. W. Schottky. 1,502,063; July 22.
Electrical conductor system, Overhead. H. B. P. Wrenn and A. S. O'Donoghue. Re15,876; July 22.
Electrical connection. G. L. Chamberlain. 1,502,550; July 22.
Electrical heating utensil. F. J. Möller. 1,502,315; July 22.
Electroplating apparatus. W. F. Hall. 1,501,946; July 22.
Elevator. F. Schultz. 1,502,273; July 22.
Enamel opacifying composition and making the same. H. S. Cooper. 1,502,421; July 22.
Enameling tool, Electric. W. G. Probst. 1,502,588; July 22.
Engine: *See*—
Internal-combustion engine.
Engine. R. J. K. Gore. 1,502,244; July 22.
Engine-cooling systems, Temperature indicating and regulating means for. G. H. Townsend. 1,502,071; July 22.
Engine governor, Gas-. B. T. McCann and E. R. Klemm. 1,502,476; July 22.
Engine starter, Internal-combustion-. R. Chilton. 1,502,018; July 22.
Engines, Device for automatically controlling the temperature of cooling systems of internal-combustion. A. A. Wilson. 1,501,933; July 22.
Engines of various types, Apparatus for use in assembling, repairing, and limbering gas. H. E. Patrick, A. J. Peterson, and J. W. Bermes. 1,502,340; July 22.
Engines, Oil and water circulation system for explosive. G. L. Davis. 1,502,234; July 22.
Engraving machine. C. H. Field. 1,502,381; July 22.
Equilibrating device. E. Rimailho. 1,502,320; July 22.
Exhaust box. C. J. Clear and G. M. Webber. 1,502,019; July 22.
Extractor: *See*—
Weed extractor.
Fabric: *See*—
Wire fabric.
Fabric, Arrangement for cleaning filters of. G. Seitz. 1,502,404; July 22.
Fan, Traveling electric. S. Radimak. 1,502,266; July 22.
Faucet. B. H. McDuffie. 1,502,147; July 22.
Faucet. J. C. Ross. Des. 65,301; July 22.
Fence. J. Stefan, jr. Re15,878; July 22.
Fencepost base. F. Hobart. 1,501,949; July 22.
Fender: *See*—
Automobile fender.
Fertilizer and making the same. Y. Nikaido. 1,501,914; July 22.
Fertilizer and making the same. Y. Nikaido. 1,501,916; July 22.
Fertilizer attachment for planters. R. L. Ford. 1,501,944; July 22.
Fertilizers, Making. Y. Nikaido. 1,501,915; July 22.
Fibers from bagasse, Obtaining. J. K. Shaw. 1,501,924; July 22.
Field implement. L. Link. 1,502,507; July 22.
Filtering mediums, Revivifying carbonaceous. M. Weinrich. 1,502,076; July 22.
Finger ring. D. Belais. Des. 65,216–17; July 22.
Finger ring. H. Diahofer. Des. 65,255; July 22.
Fire-alarm boxes, Pedestal for. W. C. Lucas. 1,502,342; July 22.
Firearms, Recoil-absorbing means for. N. J. A. Galliot. 1,502,558; July 22.
Fire escape. F. Giudice. 1,501,991; July 22.
Fireproofing and other purposes, Composition for. L. W. Andrews and L. D. Mathias. 1,501,895; July 22.
Fire-resisting or flameproof starching composition. L. D. Mathias. 1,501,911; July 22.
Fishing leader. E. Leslie. 1,501,953; July 22.
Fishing-reel attachment. W. Brintzenhofe. 1,501,939; July 22.
Fishing tool. J. S. Abercrombie. 1,502,416; July 22.
Flange, Noslip. P. Mueller and A. C. Schuermann. 1,502,154; July 22.
Flash-light support. J. Hauenstein. 1,502,385; July 22.
Floating frame. F. Hodgkinson. 1,502,199; July 22.
Floors, Composition. F. Djörup. 1,502,645; July 22.
Fluid-current motor. J. S. Doak. 1,502,296; July 22.
Fluid-jet motor. O. A. Boyer. 1,502,289; July 22.
Flushing apparatus. C. L. Sturges. 1,502,165; July 22.
Flushometer. T. R. Beggs. 1,502,541; July 22.
Folding box. W. Bal. 1,501,896; July 22.
Footwear. P. J. Giblin. 1,502,559; July 22.
Fork: *See*—
Motor-cycle spring fork.
Forming machine. A. Latham. 1,502,040; July 22.
Fowl and the like, Method of and means for picking. V. M. Young. 1,502,535; July 22.
Frame: *See*—
Bed frame. Floating frame.
Frying pan, Individual. S. C. Abbey. Des. 65,213; July 22.
Fuel-combustion apparatus. D. J. Irish. 1,502,141; July 22.
Fuel-feed tank, Vacuum. W. E. Hart. 1,502,631; July 22.
Fumigant. R. N. Chapman. 1,502,174; July 22.
Game. D. L. Carman. 1,501,942; July 22.
Game. E. E. France. 1,502,183; July 22.
Game. G. Wright. 1,502,607; July 22.
Game apparatus. A. E. Hatch. 1,502,189; July 22.
Game board. C. A. Rosenthal. 1,502,531; July 22.
Game of skill. B. E. Wilson. 1,502,365; July 22.
Garment. R. W. Cellars. 1,502,614; July 22.
Garment fastener. C. A. Mosgrove. 1,502,316; July 22.
Garter clasp. J. P. Baumgartner. 1,502,011; July 22.
Gas and liquid contact device. R. P. Akins, J. W. Bucher and F. D. Gross. 1,502,004; July 22.
Gas burner. J. B. Anderson. 1,502,286; July 22.
Gas burner. C. Weiss. 1,502,604; July 22.
Gas for analysis, Apparatus for use in sampling. C. V. Bailey. 1,502,324; July 22.
Gas heater. J. H. Grayson. Des. 65,270; July 22.
Gas plate, Water-heating. A. J. Bergquist. 1,502,170; July 22.
Gases, Apparatus for delivering a mixture of. J. A. Heidbrink. Re15,874; July 22.
Gasoline or other tanks, Means for protecting. J. Poberejsky. 1,502,437; July 22.
Gasoline tank, Strainer. N. M. Bowes. 1,502,545; July 22.
Gauge: *See*—
Printer's gauge.
Gauge-block form. F. C. Weaver. 1,502,075; July 22.
Gear, Change. D. C. Klausmeyer. 1,502,647; July 22.
Gear synchronizer. H. J. Murray. 1,502,345; July 22.
Gearing. R. C. Allen. 1,502,224; July 22.
Gearing, Change-speed belt. G. H. Brown. 1,502,420; July 22.
Gearing, High-speed reduction. C. F. Clapham. 1,502,175; July 22.
Gearing, Reduction. W. E. Bee. 1,502,456; July 22.
Gearing, Reduction. R. N. Ehrhart. 1,502,230; July 22.
Gearings, Lubricating device for toothed. H. Zoelly. 1,502,083; July 22.
Glass-circulating mechanism. L. D. Soubier. 1,502,068; July 22.
Glass molds, Device for making fluted. P. Kucera. 1,502,474; July 22.
Glass-polishing machine. C. W. Dake. 1,502,136; July 22.
Goblet or similar article. C. H. Phillips, jr. Des. 65,298; July 22.
Goblet or similar article. F. Schmidt. Des. 65,305; July 22.
Golf bag. W. H. Fairchild. 1,502,300; July 22.
Golf club. W. N. Beat. 1,502,328; July 22.

Grain binder. W. Trippe. 1,501,929; July 22.
Grain drills, Corn-turner attachment for. M. L. Stewart. 1,502,279; July 22.
Grate bars, Sectional. J. S. Wilson. 1,502,284; July 22.
Gravel, Apparatus for cleaning. H. F. Curtis. 1,502,462; July 22.
Grinding apparatus. B. M Ely. 1,502,024; July 22.
Grinding machine, Ring-. G. H. Higgins. 1,502,099; July 22.
Guns, Percussive firing mechanism for breech-loading. O. D. Lucas. 1,502,259; July 22.
Hairdressing parlors, Shampoo liquid fountain for. I. B. Simonson. 1,502,352; July 22.
Hammer, Pneumatic. E. Curtl. 1,502,233; July 22.
Handlamp switch. F. L. Humeston. 1,502,567; July 22.
Harp. W. I. Kirk. 1,501,907; July 22.
Harvester, Corn. I. N. Fickes. 1,502,025; July 22.
Harvester, Vegetable. H. C. Niemeyer. 1,502,522; July 22.
Harvesters, Hopper attachment for. M. D. Stocking. 1,501,974; July 22.
Hat, Marine. J. E. McWilliam. 1,502,108; July 22.
Hat tree. G. E. Doughty. 1,502,297; July 22.
Headlight. W. H. Wood. 1,502,453; July 22.
Headlight attachment. H. H. Travis. 1,502,072; July 22.
Headlight construction for motor vehicles, Dirigible. N. Grueneich. 1,502,500; July 22.
Headlight, Dirigible. G. Morris. 1,502,515; July 22.
Headlight screen, Automobile. O. T. Umbenhower. 1,502,282; July 22.
Headlight-switch-operating device for vehicles. W. C. Hershey and R. J. Hanchette. 1,502,193; July 22.
Heat generated by electricity, Regulation of. L. G. de Kermor. 1,502,294; July 22.
Heater: *See*—
Oil-strainer heater. Water heater.
Tank heater.
Heater. H. C. Seipp. 1,501,923; July 22.
Heater. G. Van Ballegooijen. 1,502,601; July 22.
Heating system. E. G. Loomis. 1,502,341; July 22.
Heel-building machine. E. E. Winkley. 1,502,082; July 22.
Heel-clamping machine. F. E. Bertrand. 1,502,014; July 22.
Heel construction for footwear. E. C. Hellhecker. 1,502,036; July 22.
Heel for boots and shoes. D. Hill. Des. 65,273; July 22.
Highway-maintenance machine. F. D. Wilson and L. S. Burns. 1,502,081; July 22.
Hinge. R. W. Hubbard. 1,502,431; July 22.
Hinge, Stove. H. Lange. 1,502,576; July 22.
Holdup-preventing device. A. E. Anakin. 1,502,537; July 22.
Hog trap. J. A. O'Brien. 1,502,155; July 22.
Hoist. J. B. McQueen. 1,501,963; July 22.
Hoist, Hydraulic. C. D. Rice. 1,502,121; July 22.
Holder. W. A. Green. 1,502,245; July 22.
Hoof pad. S. H. Roberts. 1,502,441; July 22.
Hook: *See*—
Snap hook.
Hopper, Article-feeding. E. Nordstrom. 1,502,053; July 22.
Horse collar. R. M. Swindler and G. L. Bradshaw. 1,501,928; July 22.
Hydriodide of the ester of 2-phenyl quinoline 4-carboxylic acid. H. A. Shonle and A. Moment. 1,502,275; July 22.
Hydrocarbon burner. M. B. Moser. 1,502,394; July 22.
Ice-cream-bricking machine. J. J. Mojonnier. H. R. Phillips, and H. B. Warren. 1,502,110; July 22.
Ice-cream-packaging machine. J. J. Mojonnier, H. R. Phillips, and H. B. Warren. 1,502,314; July 22.
Incense burner. S. Morita. Des. 65,293; July 22.
Indicator: *See*—
Liquid-level indicator. Poison indicator.
Information bureau, Visitor's. H. Gray. 1,502,185; July 22.
Inkwell. F. A. Silaj. Des. 65,306; July 22.
Insecticide. W. Heerdt. 1,502,190; July 22.
Internal-combustion engine. H. J. Ascherin and R. W. Loomis. 1,502,609; July 22.
Internal-combustion engine. H. G. Moore. 1,502,264; July 22.
Ironing board. H. Giese. 1,501,989; July 22.
Ironing machine. E. R. Hill. 1,502,566; July 22.
Jack: *See*—
Truck jack.
Jar for sugar and the like. C. S. Baron. 1,501,981; July 22.
Jet-cutting machine. A. Godfrey. 1,501,902; July 22.
Jig, Aligning. N. A. Best. 1,502,542; July 22.
Key case. N. Eiseman. 1,502,380; July 22.
Kitchen implement. C. P. Cox. 1,502,497; July 22.
Kitchenette or cabinet, Tourist's. L. S. Gilmore. 1,502,096; July 22.
Knitting machines, Picker mounting for circular-. F. E. Jones. 1,502,309; July 22.
Knitting machines, Yarn-change binder for circular-. F. W. Robinson. 1,502,486; July 22.
Knot for securing shipping packages, Twisted. A. J. Gerrard and P. Wright. 1,502,029; July 22.
Lace. H. Lepperhoff. Des. 65,283–5; July 22.
Ladder. E. L. Weaver. 1,501,977; July 22.
Ladder attachment. W. G. Tack. 1,502,490; July 22.
Laminated spring. F. T. Weston. 1,502,167; July 22.
Lamp. W. H. Wood. 1,502,452; July 22.
Lamp. W. H. Wood. 1,502,454; July 22.
Lamp, Art stand. J. T. Gaines. 1,502,304; July 22.
Lamp casing, Vehicle signal-. L. A. Meyer. Des. 65,292; July 22.
Lamp, Portable electric. J. Holl and G. E. Boettcher. 1,502,338; July 22.
Lamp-shade support. W. F. Lent and G. L. Hinman. 1,502,506; July 22.
Lamp-socket cluster and connection plug, Combined. B. P. McKinley. Des. 65,291; July 22.
Lamp stand or similar article. N. Lipsky. Des. 65,288; July 22.
Lantern. W. C. Embury. Des. 65,257; July 22.
Latch construction. L. A. Dexter. 1,502,022; July 22.
Latch mechanism. J. Ledwinka. 1,502,475; July 22.
Launder trough. W. H. Sayre. 1,502,272; July 22.
Laundry material, Recovering. F. L. Rosenau. 1,502,270; July 22.
Lead nitrate and hydrated manganese dioxide, Making. E. H. Westling. 1,502,079; July 22.
Leg, Artificial. C. B. Winn. 1,502,415; July 22.
Lens system. W. B. Wescott. 1,502,078; July 22.
Level attachment. D. Lemieux. 1,502,255; July 22.
Leveler and grader, Land. F. E. Dunn and J. E. Patterson. 1,502,138; July 22.
Leveler, Land. A. Purviance. 1,502,158; July 22.
Life-saving appliance, Marine. M. D. Boddy. 1,502,543; July 22.
Lifter: *See*—
Dish and plate lifter.
Light projector. J. T. Roffy. 1,502,530; July 22.
Lighting-fixture arm. A. L. Dedi. Des. 65,253; July 22.
Lighting-fixture arm. A. L. Dedi. Des. 65,254; July 22.
Lighting-fixture candle cup. B. Newland. Des. 65,296; July 22.
Lighting fixture, Ceiling. M. Klein. Des. 65,279; July 22.
Lighting-fixture plate. B. Newland. Des. 65,294–5; July 22.
Lighting-fixture ring. A. Cooper. 1,502,461; July 22.
Lighting fixtures, Ceiling fixture for. H. T. Howell. Des. 65,275; July 22.
Lighting globe. E. B. Gillinder. Des. 65,263; July 22.
Limb, Artificial. G. H. Shrodes. 1,502,593; July 22.
Liquid-level indicator. D. H. Scott. 1,502,125; July 22.
Liquid-treating apparatus. I. B. Tanner. 1,502,448; July 22.
Liquid-fuel burner. J. Lieber. 1,502,104; July 22.
Liquids, Process of and apparatus for evaporating. G. A. Krause. 1,501,952; July 22.
Loading and unloading apparatus. N. T. Harrington. 1,501,999; July 22.
Lock: *See*—
Automobile switch lock. Steering-wheel lock.
Combination lock. Vehicle door lock.
Lock. J. A. Dufresne. 1,502,238; July 22.
Lock. G. Raconovich. 1,502,318; July 22.
Locking device. O. A. Eklund. 1,502,555; July 22.
Locomotive, Combined steam and internal-combustion. J. Buchli. 1,502,546; July 22.
Locomotive power plant. H. Ford. 1,502,240; July 22.
Loom, Cloth-feed interrupter for automatic. G. A. Franklin. 1,502,556; July 22.
Loom, Weft-replenishing. W. H. Rankin and H. R. Marsh. 1,502,319; July 22.
Lubricator. G. P. Simmons. 1,502,406; July 22.
Lumber, Treating. W. H. Mason. 1,502,311; July 22.
Macaroni press. J. De Francisci. 1,502,021; July 22.
Magnet, Rotary field. W. Reichel and W. Gscheidlen. 1,502,527; July 22.
Map mounting and means for operating it. H. F. Ammidown. 1,502,536; July 22.
Marine disaster signal. A. Papanastasiou. 1,502,055; July 22.
Marine propulsion device. C. J. Meyer. 1,502,477; July 22.
Marionette. M. M. Dondo. 1,502,236; July 22.
Masonry construction for chemical apparatus. V. K Boynton and P. W. Webster. 1,501,938; July 22.
Mason's tool. O. W. L. Buss. 1,502,371; July 22.
Massaging implement. H. F. Robert. 1,502,440; July 22
Mat: *See*—
Traction mat.
Match and ash tray, Combination. D. Fisher. Des. 65,259; July 22.
Match holder and box. D. E. Norton. 1,502,206; July 22.
Mattress-filling machine with double rotary beater. P Baker. 1,502,367; July 22.
Measurer and can filler, Liquid. W. E. Sorensen. 1,502,408; July 22.
Measuring apparatus. C. F. Hussey. 1,502,569; July 22.
Metal and recovering by-products therefrom, Melting scrap. G. H. Starmann and H. Lindenberger. 1,502,129; July 22.
Metal building corner. E. Evans. 1,501,985; July 22.
Metal-pressing tool. J. Helwig. 1,502,191; July 22.
Meter: *See*—
Motor meter.
Milling machines, Adjustable arbor support for. C. Gabrielson. 1,502,624; July 22.
Mining. E. Ball and C. E. Abbott. 1,501,936; July 22.

Molasses gates, Attachment for. H. T. Leisenring. 1,502,578; July 22.
Molded articles, Manufacture of. E. V. Preuss. 1,502,157; July 22.
Motor: *See*—
Fluid-current motor. Wave motor.
Fluid-jet motor.
Motor control for switching mechanisms. F. A. Lundquist. 1,501,908; July 22.
Motor-cycle spring fork. F. W. Meredith. 1,502,151; July 22.
Motor meter. J. M. Brennan. 1,501,898; July 22.
Motor stand. F. Danielson. 1,502,293; July 22.
Motor starter. H. L. Van Valkenburg and F. W. Magin. 1,502,361; July 22.
Mounting-board shaking box and bearing therefore. P. C. C. Frierichsen. 1,502,557; July 22.
Music stand and light support. E. J. Smith. 1,502,357; July 22.
Musical instrument. S. Conger. Des. 65,223; July 22.
Musical instrument. F. J. Heppe. 1,502,565; July 22.
Musical instrument, Self-playing. H. K. Sandell. 1,502,402; July 22.
Musical instrument, Wind. C. F. Brindley. 1,502,369; July 22.
Nailing machines, Cut-off or nail-checking attachment for. J. Karsky and H. Meyer. 1,502,505; July 22.
Needles, Attachment for knitting or crochet. H. O. Perry. 1,502,584; July 22.
Nourishments and fodder, Device for neutralizing pickled. R. Speidel. 1,502,409; July 22.
Number box, House-. G. T. Shearer. Des. 65,303; July 22.
Numbering machine. A. H. Smith. 1,502,128; July 22.
Nut, Lock. F. C. Warne. 1,502,492; July 22.
Nut, Rivetable. H. G. Renner. 1,502,399; July 22.
Oil can. F. A. and A. B. Howard. Des. 65,274; July 22.
Oil cap. R. H. McCoy. 1,502,262; July 22
Oil burner M. A. Attallah. 1,502,228; July 22.
Oil burner. O. J. Groehn. 1,502,469; July 22.
Oil burner. W. S. Humphrey. 1,501,950; July 22.
Oil burner. W. H. McCarry. 1,502,045; July 22.
Oil-strainer heater. C. W. Coleman. 1,502,290; July 22.
Oiler for pneumatic tools. W. A. Smith. 1,502,066; July 22.
Optical instrument. R. W. Willson. 1,501,979; July 22.
Ore, Mining soft. S. J. Goodwey. 1,502,030; July 22.
Ornamental box. E. P. Benois. 1,502,013; July 22.
Oven or furnace. F. J. Tone. 1,502,070; July 22.
Package-handling machine. M. Jaeger. 1,502,635; July 22.
Packages, Making. W. A. L. Schaefer. 1,502,124; July 22.
Packer. J. T. Callanan, jr. 1,502,372; July 22.
Packing, Piston-rod. J. W. Price, jr. 1,502,524; July 22.
Package-transferring machine. M. Jaeger. 1,502,201; July 22.
Pad: *See*—
Drawing pad. Hoof pad.
Paint, Manufacture of waterproof. D. B. and G. J. Mitchell. 1,502,514; July 22.
Panel-board switch. H. E. Leppert. 1,502,579; July 22.
Panelwork for light structures. K. Arnstein. 1,502,227; July 22.
Paper-box machinery. I. A. Watrous. 1,502,220; July 22.
Paper clip. J. Fritz. 1,502,623; July 22.
Paper, Device for interfolding sheets of. R. Braunstein. 1,502,333; July 22.
Pedacycles, Steering device for. J. S. Gabke. 1,502,303; July 22.
Perforator, Casing. R. R. Crum. 1,502,375; July 22.
Periscope. U. Blum. 1,502,230; July 22.
Phonograph. A. L. Howard. Re15,875; July 22.
Phonograph. C. S. Tobin. 1,502,532; July 22.
Phonograph, Portable. S. Sachs. 1,502,060; July 22.
Phonograph records, Mounting means for. R. Mayhew. 1,502,312; July 22.
Photographic film and making same, Dull or roughened. R. Oertel and F. Dreyer. 1,502,482; July 22.
Photographs, Apparatus for developing. B. W. Harris. 1,501,904; July 22.
Piano and the like, Player. J. H. Dickinson. 1,502,618; July 22.
Picker: *See*—
Plant picker.
Picking device. L. B. Rector. 1,502,439; July 22.
Picture machines, Automatic signal and safety device for motion-. C. F. Lick. 1,502,034; July 22.
Pile fabric. C. V. Kozlay. Des. 65,281; July 22.
Pin carrier. D. Leggott. 1,502,254; July 22.
Pinholder, Marking-. C. L. Braley. 1,501,897; July 22.
Pipe and making it, Spirally-wound. C. G. Naylor. 1,502,052; July 22.
Pipe-connection protector. E. J. Sallenbach. 1,502,271; July 22.
Pipes, Finger guard for smoking. A. Shenham. 1,501,972; July 22.
Piston ring. C. D. Stromgren. 1,502,445; July 22.
Pitman, Quick-release. W. Paterson. 1,502,265; July 22.
Plant picker. R. L. Wells and F. Buckner. 1,502,612; July 22.
Plant puller. S. Hagopian. 1,502,246; July 22.
Plate or similar article. H. Guenthermann. Des. 65,271; July 22.
Plow. Lister. A. C. Lindgren. 1,501,953; July 22.
Plow-operating apparatus. C. S. Matthews. 1,501,960; July 22.
Poison applier. F. G. Asbill. 1,502,539; July 22.
Poison indicator. H. Fleisher. 1,502,620; July 22.
Post: *See*—
Back-up post.
Potato digger. W. Johnston. 1,502,570; July 22.
Potato planters, Feeding mechanism for. N. E. Bunting. 1,501,941; July 22.
Poultry feeder. J. Booth. 1,502,171; July 22.
Press: *See*—
Dental flask press. Macaroni press.
Presses, Filling apparatus for. F. S. Carver. 1,502,335; July 22.
Primer construction. C. P. Grimes. 1,502,098; July 22.
Printer's gauge. F. M. Hillman. 1,501,947; July 22.
Prospecting or well-drilling device. W. H. Forsyth. 1,502,622; July 22.
Puller: *See*—
Plant puller. Tack puller.
Spike puller. Wheel puller.
Pulleys, Cable guard for grooved. M. Pastore. 1,502,208; July 22.
Pump. C. H. Fox. 1,501,987; July 22.
Pump. I. B. Hart. 1,502,470; July 22.
Pump. G. C. Hicks, jr. 1,502,195–6; July 22.
Pump. G. E. McCracken. 1,502,390; July 22.
Pump. H. N. Schofield. 1,501,922; July 22.
Pump for wells, Air. J. B. Kennedy. 1,501,951; July 22.
Pump or motor. W. E. Magie and W. Ferris. 1,502,310; July 22.
Pump, Pneumatic. J. L. Latta. 1,502,253; July 22.
Pump screen. M. R. Donnallan. 1,502,552; July 22.
Punch-press guard. F. M. Edgar. 1,502,023; July 22.
Punch, Shank and bit. W. A. Smith. 1,502,648; July 22.
Rack: *See*—
Automobile luggage rack.
Radiator. J. M. Fedders. 1,502,301; July 22.
Radiators, Apparatus for testing and repairing. J. F. Dozier. 1,502,553; July 22.
Radio cabinet. D. C. Williams. Des. 65,316; July 22.
Radio mast seat. H. C. Hanford and M. H. Lang. 1,501,998; July 22.
Radio signaling apparatus. G. H. Clark. 1,502,460; July 22.
Radiotable. D. C. Williams. Des. 65,315; July 22.
Rail brace. J. G. Mueller. 1,502,581; July 22.
Railway brake beams, Strut for. S. A. Crone. 1,501,899; July 22.
Railway ties, Apparatus for handling. R. S. Hurley. 1,502,568; July 22.
Range oven, Electric-. R. H. MacInnes. 1,502,392; July 22.
Razors, Skin smoothing and stretching device for safety. R. J. Christy. 1,502,615; July 22.
Reamer, Adjustable. O. Kylin. 1,502,574; July 22.
Receptacle, Metal. C. L. Moorman. 1,502,112; July 22.
Reel: *See*—
Tape reel.
Reel support. D. Nasta. 1,502,518; July 22.
Reflector. W. Cline. 1,502,617; July 22.
Refrigerator. J. Schulde. 1,502,064; July 22.
Release rigging. T. H. Goodnow and W. S. Schroeder. 1,502,306; July 22.
Respirator. W. H. Wood. 1,502,450–1; July 22.
Retort, Carbonizing and revivifying. R. Vachler. 1,502,600; July 22.
Reversing mechanism. G. C. Martin. 1,502,150; July 22.
Rim-attaching table. C. G. Anderson. 1,501,980; July 22.
Rim, Demountable. A. C. Hargrave. 1,502,630; July 22.
Rim, Demountable. J. A. McQueen. 1,501,964; July 22.
Rim, Demountable. J. S. Multer. 1,502,516; July 22.
Rim-punching machine, E. J. Grace. 1,502,097; July 22.
Ring: *See*—
Lighting-fixture ring. Piston ring.
Road-roller scraper attachments, Double control for. W. T. Beatty, F. S. Davis, and F. D. Wilson. 1,502,086; July 22.
Rod packing. J. W. Shepard. 1,501,927; July 22.
Roofing, Decorative. H. Abraham. 1,502,003; July 22.
Roundabout. O. F. Olson. 1,502,484; July 22.
Rubber and the like, Machine for cutting. C. Rasmussen. 1,502,120; July 22.
Rule, Leather-estimating slide. M. H. Reymond. 1,501,920; July 22.
Sales rack. W. W. Kelly. Des. 65,278; July 22.
Sand, Method of and apparatus for treating oil. W. McArthur. 1,502,261; July 22.
Sanding machine. J. A. St. Clair. 1,502,130; July 22.
Sandwich dispenser. G. A. Bannister. 1,502,325; July 22.
Sash fastener. S. Segal. 1,502,351; July 22.
Sash, Slidable window. H. E. Campbell. 1,502,644; July 22.
Saw-sharpening machine. E. P. Armstrong. 1,502,085; July 22.
Scale, Automatic. H. C. Schaper. 1,502,443; July 22.
Scoop, Self-weighing. H. Fine. 1,502,181; July 22.
Scoring can bodies, Machine for. S. E. Allerton. 1,501,893; July 22.
Screen: *See*—
Headlight screen. Window screen.
Pump screen.

Screw machine, Automatic. F. P. Glosh. 1,502,467; July 22.
Scrubbing machine, Floor-. S. Magaton. 1,502,148; July 22.
Seal, Open-face sleeve. E. J. Brooks. 1,502,458; July 22.
Seat: *See*—
Radio mast seat.
Sewing machine. J. C. Ringe. 1,501,971; July 22.
Sewing machines, Strip-feeding mechanism for. J. Boston. 1,502,544; July 22.
Sewing machines, Feeding mechanism for. L. Onderdonk and A. J. Wohlpart. 1,501,968; July 22.
Sewing machines, Presser foot for. G. S. Gatchell. 1,501,901; July 22.
Sewing machines, Thread-tensioning means for. A. A. Merritt. 1,502,048; July 22.
Shade, curtain, or awning roller stop. G. D. Hill. 1,502,197; July 22.
Sharpener for drill steels. A. E. Peters and M. S. Parkhill. 1,501,918; July 22.
Sharpeners, Oiling device for drill. A. E. Peters. 1,501,917; July 22.
Shaving-stick container. P. K. Williams. 1,502,496; July 22.
Sheet material, Machine for trimming. J. E. Gartside. 1,502,095; July 22.
Sheet-turning device. J. D. Conti. 1,502,176; July 22.
Shelf support. J. H. Boye. 1,502,288; July 22.
Shell, Inflammable. H. Safford. 1,502,400; July 22.
Shipping box. H. L. Shulman. 1,502,162; July 22.
Shipping container, Knockdown. J. J. Cain. 1,502,334; July 22.
Shock absorber. A. J. Bockwitz. 1,502,231; July 22.
Shock absorber. W. S. Peterson. 1,502,209; July 22.
Shock absorber. A. Waterman. 1,502,364; July 22.
Shock-absorber axle bracket. C. W. Meggenhofen. 1,502,313; July 22.
Shoe tongue. C. M. Haddox. 1,502,429; July 22.
Shoe-tree-forming machine. O. Olson. 1,502,485; July 22.
Shoveling and loading device, Combined. E. T. Kell. 1,502,143; July 22.
Shuttle, Self-threading. J. Northrop. 1,502,397; July 22.
Sign, Advertising. A. C. Ford. Des. 65,258; July 22.
Sign, Advertising. A. R. Lundquist. Des. 65,289; July 22.
Signal: *See*—
Automobile signal. Vehicle signal.
Marine disaster signal.
Signal. F. T. Vanatta. Re15,879; July 22.
Signal-actuating device for dispatch systems. J. A. Bauer. 1,502,327; July 22.
Smoke consumer. W. Petersen and C. D. Miller. 1,502,585; July 22.
Snap hook. J. P. Mattson. 1,501,961; July 22.
Snowplow. F. C. Hayes. 1,502,430; July 22.
Snowplow, Truck. D. A. Sargent. 1,502,591; July 22.
Soap-dispensing machine. I. J. Nelson. 1,502,347; July 22.
Solid particles from a gas stream connecting them, Apparatus for separating. M. W. Carty. 1,502,135; July 22.
Speed control. G. F. Spiva. 1,502,594; July 22.
Speed-reducing device. E. E. McCollum. 1,502,107; July 22.
Spider, Hinged. F. L. Hanna. 1,502,628; July 22.
Spike puller. J. O. McPherson. 1,502,391; July 22.
Spinning, twisting, etc., Traveler guide for. E. H. Rooney. 1,502,269; July 22.
Splash preventer. C. Anderson. 1,502,287; July 22.
Spools, Locking device for. C. F. Van Hook. 1,502,218; July 22.
Spring: *See*—
Laminated spring. Vehicle spring.
Valve spring.
Spring holder for attaching dust caps. J. A. Bowden. 1,502,232; July 22.
Spring structure, Covered. S. S. Marcus and S. Krakauer. 1,502,510; July 22.
Sprinkler head. J. W. Gronros. 1,502,187; July 22.
Sprinkler system, Automatic. A. J. Loepsinger. 1,502,041–2; July 22.
Sprinkling device for gas scrubbers and cooling towers. A. Kuhn. 1,502,573; July 22.
Stabilizer and shock absorber, Combined. F. N. Sprague. 1,502,595; July 22.
Stand: *See*—
Display stand. Motor stand.
Standpipe cap. J. H. Stillwaggon. 1,502,444; July 22.
Staple-driving machine. J. Muth. 1,502,346; July 22.
Statuette. E. W. Dodge. Des. 65,256; July 22.
Statuette. H. W. Frishmuth. Des. 65,260; July 22.
Steam-boiler plant. F. Heath. 1,502,564; July 22.
Steam cooking apparatus. J. L. Carbery. 1,502,172; July 22.
Steam-diaphragm regulator. A. T. Garden. 1,502,426; July 22.
Steel, Making manganese. R. D. Jordan and J. H. Hall. 1,502,642; July 22.
Steel wheel. E. R. Hewitt and A. H. Leipert. 1,502,308; July 22.
Steering wheel. C. W. Beck. 1,502,540; July 22.
Steering wheel. J. C. Danziger. 1,502,020; July 22.
Steering wheel. A. E. Paige. 1,502,348; July 22.
Steering-wheel lock. S. Wise. 1,501,934; July 22.
Stoker ram. G. W. Ruggles. 1,502,122; July 22.
Stone distributor and leveler. F. E. Arndt. 1,502,007; July 22.
Stool, Portable. L. R. Hardy. 1,502,629; July 22.
Storage battery. W. H. Wood. 1,502,455; July 22.
Stove. M. C. Reck. 1,502,159; July 22.
Stove, Gas. W. T. Howlett and H. O. Smith. 1,502,200; July 22.
Stovepipe mounting. A. Katrina. 1,502,571; July 22.
Stove, Pocket. S. Kanazawa. 1,502,251; July 22.
Sulphide from a soluble sulphosalt, Precipitating an insoluble. N. R. Wilson. 1,502,285; July 22.
Sulphides, Electrolytic process for the production of. R. Rodrian. 1,502,213; July 22.
Support, Collapsible. J. I. Millett. 1,502,152; July 22.
Switch: *See*—
Electric switch. Panel-board switch.
Handlamp switch.
Switch mechanism. F. S. Denison. 1,501,943; July 22.
T-square. J. Neumann. 1,502,396; July 22.
Table: *See*—
Rim-attaching table.
Table and radiocabinet, Combined. D. C. Williams. Des. 65,314; July 22.
Tabulating machine, Printing. H. Tolle. 1,502,360; July 22.
Tack puller. H. B. Beetz. 1,502,229; July 22.
Tag, Identification. E. J. W. De Foreest and F. W. Bailey. 1,502,137; July 22.
Talking machines, Reproducer for. S. B. Booty. 1,502,332; July 22.
Tank: *See*—
Fuel-feed tank.
Tank heater. F. A. Bagley. 1,502,008; July 22.
Tank or liquid receiver. B. Skidmore, jr. 1,502,127; July 22.
Tape reel. W. L. E. Keuffel. 1,502,340; July 22.
Tapping machine. J. E. Byrne. 1,502,016; July 22.
Telephone exchange, Automatic. F. A. Lundquist. 1,501,909; July 22.
Telephone system, Automatic. J. Wicks. 1,502,168; July 22.
Theodolite, spectroscope, and the like. R. M. Abraham. 1,502,223; July 22.
Thermopile and its manufacture. H. Hausrath. 1,502,562; July 22.
Thrashing machines and the like, Feeder for. D. M. Graham. 1,501,993; July 22.
Tie: *See*—
Wire-bale tie.
Time-indicating apparatus. H. E. Warren. 1,502,493–4; July 22.
Tire. P. H. Ober. Des. 65,297; July 22.
Tire. B. H. Pratt. Des. 65,299; July 22.
Tire alarm. W. Knutson. 1,502,039; July 22.
Tire, Automobile. W. P. Braender. Des. 65,218; July 22.
Tire carrier. S. F. Walden. 1,501,976; July 22.
Tire, Pneumatic rubber. L. A. Brown. Des. 65,221; July 22.
Tire, Resilient. H. D. Reichard. Des. 65,300; July 22.
Tire, Resilient. H. Rudginsky. Des. 65,302; July 22.
Tires, Manufacturing cushion. F. D. Fowler. 1,502,027; July 22.
Tongs. A. J. Smith. 1,502,356; July 22.
Tool holder. G. Ivaldi. 1,502,037; July 22.
Tool holder, Extensible. L. Reulbach. 1,502,528; July 22.
Tires, Protector for pneumatic. S. S. Konieczki. 1,502,637; July 22.
Torpedo, Gliding. R. C. Ingebritson. 1,502,634; July 22.
Toy. A. A. Banks. 1,502,010; July 22.
Toy arrow. T. J. Deck. 1,502,499; July 22.
Toy bank. J. Testa. Des. 65,312; July 22.
Toy bear. T. F. Kotter. Des. 65,280; July 22.
Toy, Detonating. H. W. Hill. 1,502,198; July 22.
Toy, Knockdown. S. E. Timmons. 1,502,599; July 22.
Toy, Wheeled sounding. H. E. Boedecker. 1,502,611; July 22.
Traction device. W. L. Smith. 1,502,407; July 22.
Traction mat. S. Sall. 1,502,123; July 22.
Traction wheel. B. R. Benjamin. 1,501,937; July 22.
Tractors and the like, Driving gear for. J. B. Vergés. 1,501,930; July 22.
Tractors, Drawbar attachment for Fordson. O. E. Hanson. 1,502,033; July 22.
Transformers and the like, Tank for. L. G. McClintock. 1,502,204; July 22.
Transmission circuit, Loaded. T. Shaw. 1,501,926; July 22.
Transmission circuits, Loaded. W. H. Martin and T. Shaw. 1,501,959; July 22.
Trap: *See*—
Bee trap. Hog trap.
Drain trap.
Tray and condiment holder, Unitary combination. F. Schenker. Des. 65,304; July 22.
Tray or similar article. M. H. Connor. Des. 65,247; July 22.
Tree: *See*—
Hat-tree.
Trolley. M. D. Stalder. 1,502,596; July 22.
Trousers. S. B. Waxman. 1,502,536; July 22.
Truck. M. G. Drescher. 1,502,237; July 22.

Truck, Hand. A. S. Piper. 1,502,057; July 22.
Truck, Hand. F. Stebler. 1,502,067; July 22.
Truck jack. H. E. Patrick, A. J. Peterson, and J. W. Bermes. 1,502,350; July 22.
Truck, Railway-car. H. Ford. 1,502,241; July 22.
Truss. T. J. Le Cras. 1,502,577; July 22.
Trypanocidal action, Compound having a. R. Adams and J. R. Johnson. 1,501,894; July 22.
Tubes, Device for removing deformities in collapsible metal. A. L. Edwards. 1,502,299; July 22.
Tubes, Measuring device for collapsible. F. L. Dyer. 1,502,298; July 22.
Turbogenerator. A. W. Smith. 1,502,065; July 22.
Turnbuckles, Forming. C. E. Anderson. 1,502,133; July 22.
Turnbutton fastener. D. Bourque. 1,501,982; July 22.
Typewriters, Manifolding attachment for. M. L. Cosaitt. 1,502,177; July 22.
Typewriters, Manifolding platen for. M. L. Cosaitt. 1,502,178; July 22.
Typewriting machine. J. E. Doody. 1,501,900; July 22.
Typewriting machine. H. T. McBrien. 1,501,910; July 22.
Typewriting machine. J. A. B. Smith. 1,501,973; July 22.
Typographical machine. E. M. Goodbody. 1,502,626; July 22.
Valve. J. Joule. 1,502,473; July 22.
Valve for motors. G. E. Conway. 1,502,291; July 22.
Valve-grinding device. M. S. Bishir. 1,502,015; July 22.
Valve, Locomotive drifting. E. B. Whelan. 1,502,283; July 22.
Valve, Maneuvering. R. C. Allen. 1,502,005; July 22.
Valve, Mixing. L. F. O'Flaherty and W. L. Kirkpatrick. 1,502,483; July 22.
Valve, Pressure-reducing. W. W. Robinson. 1,502,212; July 22.
Valve, Reversing. R. G. Miller. 1,502,513; July 22.
Valve spring. J. H. H. Voss. 1,502,363; July 22.
Vanity case. M. O. Hart. 1,502,034; July 22.
Vaporizer. C. W. Duckworth. 1,502,554; July 22.
Vault, Burial. A. E. Triplett. 1,502,217; July 22.
Vehicle. F. J. Reichmann. 1,502,398; July 22.
Vehicle body-dumping apparatus. L. T. Wood. 1,502,534; July 22.
Vehicle door lock. B. E. Taylor. 1,502,359; July 22.
Vehicle, Drawn. G. Turner. 1,502,281; July 22.
Vehicle for transporting poles. G. F. Grooms. 1,501,996; July 22.
Vehicle, Motor. R. E. Fielder. 1,502,026; July 22.
Vehicle signal. W. R. Mudd. 1,502,113; July 22.
Vehicle spring. J. B. Vidack. 1,502,602; July 22.
Vehicle spring suspension. H. D. Church. 1,502,616; July 22.
Vehicles, Apparatus for cleaning motor. J. P. Nicholson. 1,502,115; July 22.
Vehicles, Brake mechanism for road. G. E. Molyneux 1,502,111; July 22.
Vehicles, Instrument safe for automotive. H. J. Murray. 1,502,344; July 22.
Vehicles, Nonskid chain attachment for motor. C. F. Ball. 1,502,009; July 22.
Vehicles, Toothed wheel-driving mechanism for motor. P. Daimler. 1,502,089; July 22.
Vehicles, Traffic-movement indicator for. E. E. Bullard. 1,502,370; July 22.
Ventilator: *See*—
Car ventilator.
Ventilator. E. A. Brown. 1,501,940; July 22.
Viscose Manufacturing. C. A. Huttinger. 1,502,101; July 22.
Viscosity-testing device. W. F. Osborne. 1,502,118; July 22.
Vulcanizing process and apparatus. L. R. McGuire. 1,502,205; July 22.
Wagon, Coaster. C. E. Hass and W. R. James. 1,502,337; July 22.
Wall bracket. S. and A. Kramer. Des. 65,282; July 22.
Wall plate, Corrugated. V. E. Sisson. 1,502,355; July 22.
Washboard soap holder. M. J. Murphy and O. and W. Sandbank. 1,502,395; July 22.
Watch and clock. S. G. De Vries. 1,502,235; July 22.
Watch case, Wrist-. L. Strasser. Des. 65,308–11; July 22.
Water heater, Self-regulating. L. G. de Kermor. 1,502,295; July 22.
Waterproofing for cloth. N. A. Thompson. 1,502,598; July 22.
Water safety telltale, Low-. G. A. Sager. 1,502,590; July 22.
Water softening. F. E. and H. B. Hartman. 1,502,188; July 22.
Water-supply connection. J. A. Mould. 1,502,479; July 22.
Water-supply system. J. G. Hampton. 1,501,997; July 22.
Wave energy, System for determining the direction of propagation of. T. C. Fry. 1,502,243; July 22.
Wave motor. F. B. Marvin. 1,502,511; July 22.
Weather shield and glare visor. O. E. Grigsby. 1,502,382; July 22.
Weed extractor. W. C. Moors. 1,501,965; July 22.
Weft-detecting mechanism. R. G. Turner. 1,502,413; July 22.
Weighing and advertising machine, Casing for a combined. A. Helmann. Des. 65,272; July 22.
Welding apparatus. T. M. Hunter. 1,502,140; July 22.
Welding, Apparatus for automatic arc. C. Steenstrup. 1,502,489; July 22.
Well casings, Apparatus for and method of cementing oil. E. V. Crowell. 1,502,179; July 22.
Well-drilling apparatus, Crown block for. C. C. Scharpenberg and L. G. Gates. 1,502,161; July 22.
Well packers, Disk or retaining means for. P. H. Mack. 1,501,957; July 22.
Well tool. F. I. Getty. 1,502,427; July 22.
Wells, Device for oil and gas. W. H. Lyne. 1,502,106; July 22.
Wells, Whipstock for. F. I. Getty. 1,502,428; July 22.
Wheel: *See*—
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Steering wheel.
Wheel. T. R. Hasley. 1,502,632; July 22.
Wheel puller. D. S. Lambert and C. B. Rader. 1,502,103; July 22.
Winding cores, Machine for. L. Scusa. 1,501,921; July 22.
Windmill. J. A. Johanson. 1,502,433; July 22.
Window. C. J. Jackson. 1,502,142; July 22.
Window-control means. W. C. Grob. 1,502,468; July 22.
Window operator, Casement-. R. B. Worthington. 1,502,132; July 22.
Window screen. S. Reel. 1,501,970; July 22.
Windshield wiper. M. J. Rafferty. 1,502,589; July 22.
Wire and rope clamp. K. Arnstein. 1,502,417; July 22.
Wire and rope clamping device. K. Arnstein. 1,502,418; July 22.
Wire bale tie. A. J. Gerrard and P. Wright. 1,502,625; July 22.
Wire fabric. E. L. Benedict. 1,502,012; July 22.
Wire stretcher. G. A. Lovatt. 1,502,389; July 22.
Woolen and silk materials, Electroscopic apparatus for testing the genuineness of. A. Bernini. 1,502,330; July 22.
Workholder. C. G. Casey. 1,502,611; July 22.
Wrench. W. Gordon. 1,501,903; July 22.
Wrench. J. T. McCann. 1,502,044; July 22.
Wrench and manufacturing the same. J. Helwig. 1,502,192; July 22.
Wringer. A. W. Altorfer. 1,502,225; July 22.
Zirconium containing composition and making the same. H. S. Cooper. 1,502,422; July 22.

CLASSIFICATION OF PATENTS

ISSUED JULY 22, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams, William C., doing business as Adams Drug Company, Panama City, Fla. Insecticides. 187,230; July 29; Serial No. 92,658; published Apr. 29, 1924.

Adhesive Paper Products Corporation, The. (See Casterline & Brien, assignors.)

Ajax Pen Company. (See Lehn, John.)

Akawalla Laboratories. (See Waller, Eugene H.)

Amendola Brothers, also doing business as The Amendola Laboratories, New Haven, Conn. Cold, camphor, witch-hazel, etc., creams. 187,108; July 29; Serial No. 191,463; published May 6, 1924.

Anaconda Copper Mining Company, New York, N. Y. Tubes. 187,311; July 29; Serial No. 180,681; published May 20, 1924.

Anaconda Copper Mining Company, New York, N. Y. Metals and alloys and ingots, castings, sheets, etc. 187,312; July 29; Serial No. 180,683; published May 20, 1924.

Anderson Caramel Co., Bridgeport, Ohio. Candy bar. 187,165; July 29; Serial No. 194,385; published May 13, 1924.

Apple, Stewart J., Lakewood, Ohio. Child's aerial play car. 187,114; July 29; Serial No. 186,405; published May 20, 1924.

Arcady Farms Milling Company, Chicago, Ill. Prepared feed for livestock. 187,164; July 29; Serial No. 194,389; published May 13, 1924.

Athletic Knitting Mills, Chicago, Ill. Underwear. 187,133; July 29; Serial No. 155,042; published May 13, 1924.

Ayer, Harriet Hubbard, New York, N. Y. Vanity boxes. 187,091; July 29; Serial No. 191,517; published Apr. 29, 1924.

Bahnsen, C., & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 187,100; July 29; Serial No. 190,371; published May 13, 1924.

Bartlett, William H. C., doing business as We 3 Company, Mobridge, S. Dak. Antiseptic hand lotion. 187,116; July 29; Serial No. 185,739; published Apr. 29, 1924.

Bates, Willard R., doing business as Smith & Bates, Owensboro, Ky. Liquid absorbent to prevent profuse perspiration. 187,304; July 29; Serial No. 175,055; published May 6, 1924.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. 187,217–19; July 29; Serial Nos. 193,796–8; published May 20, 1924.

Becker's Bakery, Spartanburg, S. C. Cakes, cookies, crackers, and bread. 187,220; July 29; Serial No. 193,799; published May 20, 1924.

Bell, Robert J., doing business as New York Mfg. Corp., Richmond, Va. Milk cabinets. 187,099; July 29; Serial No. 190,755; published Apr. 29, 1924.

Benkeser, Charles, New York, N. Y. Beverages sold as soft drinks and sirups and dry powders for making the same. 187,243; July 29; Serial No. 194,688; published May 20, 1924.

Bennett Remedy Co., The. (See Napier, Risden B.)

Berger, Albert, & Co., New York, N. Y., doing business as La Societe Albert Berger et Cie., Goetzenbruck, France. Watch glasses. 187,142; July 29; Serial No. 192,059; published May 20, 1924.

Bermingham & Prosser Company, Kalamazoo, Mich. Writing paper an denvelopes. 187,161–2; July 29; Serial Nos. 194,513–14; published May 13, 1924.

Bertsch, Albert, Gundershoffen, France. Tracing and drawing paper. 187,101; July 29; Serial No. 190,146; published May 6, 1924.

Black Rock Candy Co., Dover, N. J. Candy. 187,181; July 29; Serial No. 194,901; published May 20, 1924.

Blake, McFall Company, Portland, Oreg. Bond paper for printing, writing, and wrapping purposes. 187,295; July 29; Serial No. 161,295; published Aug. 22, 1922.

Bleyer & Weinberg, New York, N. Y. Silk piece goods. 187,168; July 29; Serial No. 193,986; published May 13, 1924.

Bleyer & Weinberg, New York, N. Y. Silk piece goods. 187,258; July 29; Serial No. 193,987; published May 13, 1924.

Blumenthal, August, St. Louis, Mo. Chemicals, medicines, and pharmaceutical preparations. 187,265; July 29; Serial No. 193,800; published May 6, 1924.

Borland, C. W., doing business as C. W. Borland Stomoease Company, Columbus, Ohio. Medicine for treatment of stomach disorders. 187,231; July 29; Serial No. 192,672; published May 6, 1924.

Bradford Dyers' Association, Limited, The, Bradford, England. Dyed cotton piece goods, silk, woolen, etc., piece goods. 187,141; July 29; Serial No. 191,295; published May 20, 1924.

Brangier, Pierre A., Paris, France. Motor fuels having an alcohol base. 187,282; July 29; Serial No. 188,525; published Apr. 29, 1924.

Brinn & Jensen Co., Omaha, Nebr. Wrapping paper. 187,107; July 29; Serial No. 194,159; published May 13, 1924.

Brinton, Willard C., New York, N. Y. Pictures on films and lantern slides and projection apparatus for displaying same. 187,293; July 29; Serial No. 152,694; published May 13, 1924.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 187,274; July 29; Serial No. 193,322; published May 13, 1924.

Brown Sidley, Mary, & Co. (See Sullivan, Minnie.)

Brune Pottberg & Co., New York, N. Y. Cotton piece goods. 187,093; July 29; Serial No. 191,254; published May 20, 1924.

Brune Pottberg & Co., New York, N. Y. Cotton piece goods. 187,140; July 29; Serial No. 191,256; published May 20, 1924.

Bunny Food Products Company, Cambridge, Mass. Chocolate-fudge sauce and welsh rarebit. 187,192; July 29; Serial No. 194,254; published May 13, 1924.

Bunte Brothers, Chicago, Ill. Candy. 187,271; July 29; Serial No. 193,444; published May 20, 1924.

Cactus Crystal Company, Dover, Del., and Fort Worth, Tex. Candy. 187,202; July 29; Serial No. 171,449; published Mar. 27, 1923.

Calorizing Company, The, Pittsburgh, Pa. Heat resisting and enduring alloys. 187,103; July 29; Serial No. 189,184; published May 20, 1924.

Camel Manufacturing Co., Louisville, Ky. Combination automobile gasoline-tank cap and reserve-gasoline container. 187,172; July 29; Serial No. 193,696; published Apr. 29, 1924.

Carbonite Manufacturing Co. (See Moulton, William H.)

Casterline & Brien, assignor to The Adhesive Paper Products Corporation, San Francisco, Calif. Containers. 187,131; July 29; Serial No. 170,925; published May 13, 1924.

Celotex Company, The, Chicago, Ill. Wall boards and similar building materials. 187,332; July 29.

Charnes, Joseph, Chicago, Ill. Medical compounds, chemicals, etc. 187,135; July 29; Serial No. 189,757; published May 6, 1924.

Chigirl Shoe Co., Chicago, Ill. Leather shoes. 187,137; July 29; Serial No. 190,770; published May 13, 1924.

Chlorine Products Company. (See Mange, Clarence E.)

Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 187,191; July 29; Serial No. 194,434; published May 20, 1924.

Cohen, Goldman, & Co. Inc., New York, N. Y. Knitted fabric. 187,112; July 29; Serial No. 193,155; published May 20, 1924.

Cohen, Goldman, & Co. Inc., New York, N. Y. Knitted fabrics. 187,236; July 29; Serial No. 193,154; published May 13, 1924.

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 187,081–2; July 29; Serial No. 194,163–4; published May 13, 1924.

Colorado Milling & Elevator Company, The, Denver, also doing business as The Fort Collins Flour Mills, Fort Collins, Colo. Self-rising flour. 187,184; July 29; Serial No. 194,852; published May 20, 1924.

Colorado Milling & Elevator Company, The, Denver, also doing business as The La Junta Flour Mills, La Junta, Colo. Wheat flour. 187,185; July 29; Serial No. 194,851; published May 20, 1924.

Colson Company, The, Elyria, Ohio. Child's scooter. 187,212; July 29; Serial No. 193,273; published May 20, 1924.

Compo Corporation, The, Westport, Conn. Stapling machines, staples, and parts and accessories for same. 187,325; July 29; Serial No. 186,316; published May 13, 1924.

Cone Company of America, Long Island City, N. Y. Edible ice-cream cups. 187,214; July 29; Serial No. 193,448; published May 13, 1924.

Continental Paper & Bag Mills, assignor to Continental Paper & Bag Mills Corporation, New York, N. Y. Toilet paper and paper napkins. 187,094; July 29; Serial No. 191,168; published May 13, 1924.

Corn Products Refining Company, New York, N. Y. Cornstarch. 187,254; July 29; Serial No. 195,334; published May 20, 1924.

Corn Products Refining Company, New York, N. Y. Table sirup. 187,289; July 29; Serial No. 191,749; published May 13, 1924.

Cotton Belt Candy Company, Charlotte, N. C. Candy. 187,155; July 29; Serial No. 189,661; published May 20, 1924.

Crandall, Rush, Masonville, N. Y. Liniment. 187,264; July 29; Serial No. 193,807; published May 6, 1924.

Crescent Oil Company, Minneapolis, Minn. Gasoline. 187,285; July 29; Serial No. 193,757; published Apr. 29, 1924.

Cressman, Russell B., New York, N. Y. Household glassware. 187,138; July 29; Serial No. 190,832; published May 20, 1924.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 187,314; July 29; Serial No. 181,679; published May 13, 1924.
De Schipper, John, doing business as De Schipper Canning Company, Carthage, Ind. Canned tomatoes. 187,316; July 29; Serial No. 182,139; published May 20, 1924.
Detroit Commerce Company, Detroit, Mich. Evaporated milk. 187,178; July 29; Serial No. 195,055; published May 20, 1924.
Dick, A. B., Company, Chicago, Ill. Stencil paper, stencils, and stencil backing sheets. 187,225; July 29; Serial No. 192,368; published Apr. 29, 1924.
Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y. Shaft supports and hangers, bearings, shaft couplings, etc. 187,136; July 29; Serial No. 190,049; published May 13, 1924.
Dodge, Nathan D., Shoe Co., Newburyport, Mass. Shoes. 187,305; July 29; Serial No. 176,014; published May 13, 1924.
Domestic Products Co., The, Dayton, Ohio. Waterproof garments. 187,318; July 29; Serial No. 183,024; published May 13, 1924.
Douglis Mack, Chas., Co., New York, N. Y. Men's, young men's, and boys' suits. 187,105; July 29; Serial No. 188,052; published May 13, 1924.
Duffy-Mott Company, Inc., New York, N. Y. Vinegars. 187,201; July 29; Serial No. 165,070; published Jan. 9, 1923.
Eager & Hart, New York, N. Y. Envelopes. 187,227; July 29; Serial No. 192,608; published May 6, 1924.
Eddystone Manufacturing Company, The, Eddystone, Pa. Dyes. 187,344; July 29.
Eisenlohr, Otto, & Bros., Incorporated, Philadelphia, Pa. Matches and safety matches. 187,242; July 29; Serial No. 194,085; published May 13, 1924.
Elco Petroleum Company, St. Louis, Mo. Gasoline. 187,280; July 29; Serial No. 182,406; published May 6, 1924.
Embalming Burial Case Company, Burlington, Iowa. Burial cases. 187,118; July 29; Serial No. 183,025; published May 6, 1924.
Essex County Ice Cream & Confectionery Company, Inc., The, Port Henry, N. Y. Butter and ice cream. 187,361; July 29.
Factory Oil Company, The, Akron, Ohio. Lubricating oil. 187,353; July 29.
Factory Oil Company, The, Akron, Ohio. Gasoline. 187,366; July 29.
Federal Oil Co., Des Moines, Iowa. Gasoline, fuel and lubricating oils. 187,278; July 29; Serial No. 178,379; published May 6, 1924.
Fillman, John W., Company, Philadelphia, Pa. Bedspreads. 187,194; July 29; Serial No. 188,236; published May 13, 1924.
Flako Products Corporation, New Brunswick, N. J. Prepared flour for biscuits or shortcake. 187,255; July 29; Serial No. 195,340; published May 20, 1924.
Florida Brewing Co., The, doing business as La Tropical Beverage Co., Tampa, Fla. Malt cereal beverage. 187,260; July 29; Serial No. 193,916; published May 20, 1924.
Flower Waste & Packing Company, Bayonne, N. J. Journal-box packing. 187,338; July 29.
Forest Products Engineering Co., Chicago, Ill. Printed forms. 187,129; July 29; Serial No. 174,005; published May 13, 1924.
Forster Automatic Poultry Separator Co., Berkeley, Calif. Automatic poultry separator. 187,337; July 29.
Fort Collins Flour Mills, The. (See Colorado Milling & Elevator Company.)
Foulds Milling Company, The, doing business as The National Macaroni Company, Chicago, Ill. Macaroni, spaghetti, noodles. 187,199; July 29; Serial No. 193,917; published May 13, 1924.
Frank Tea & Spice Co., The, Cincinnati, Ohio. Dried red peppers. 187,194; July 29; Serial No. 194,180; published May 13, 1924.
Frederick Brothers, Chicago, Ill. Malt tonic. 187,263; July 29; Serial No. 193,825; published May 20, 1924.
Frey-Weaver Co., Lancaster, Pa. Coffee. 187,256; July 29; Serial No. 195,442; published May 20, 1924.
Gardner Governor Company, The, Quincy, Ill. Pumps and compressors. 187,156; July 29; Serial No. 189,562; published May 20, 1924.
General Service Clothing Co., Chicago, Ill. Men's suits, trousers, working coats and trousers, etc. 187,237; July 29; Serial No. 193,165; published May 13, 1924.
Gilmore Petroleum Company, Los Angeles, Calif. Kerosene. 187,277; July 29; Serial No. 166,559; published May 6, 1924.
Glendora Mutual Orange Association, Azusa, Calif. Fresh citrous fruits. 187,210; July 29; Serial No. 192,908; published May 20, 1924.
Glyp, Inc., Denver, Colo. Preparation for treatment of diseases of the gums. 187,174; July 29; Serial No. 193,518; published May 6, 1924.
Gordon. (See Williams, Gordon.)
Gordon, Sewall & Co. Inc., Houston, Galveston, and Port Arthur, Tex. Sirups and beverages. 187,079; July 29; Serial No. 194,269; published May 20, 1924.
Grant Orchards Fruit Growers Co., Grant Orchards, Wash. Fresh apples. 187,357; July 29.
Granucci, Criscenzo, Little Neck, N. Y. Preparation to promote the growth of hair. 187,171; July 29; Serial No. 193,706; published May 6, 1924.
Greek Candy Kitchen, Clinton, Ind. Candy. 187,177; July 29; Serial No. 195,104; published May 20, 1924.
Greenmount Canning Company, Greenmount, Md. Canned vegetables. 187,250; July 29; Serial No. 195,168; published May 20, 1924.
Griggs, Cooper and Company, St. Paul, Minn. Coffee. 187,176; July 29; Serial No. 195,106; published May 20, 1924.
Grossmann, H., Dresden, Germany. Sewing machines. 187,328; July 29; Serial No. 188,549; published May 20, 1924.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk and woolen piece goods. 187,322; July 29; Serial No. 183,739; published May 13, 1924.
Hagerstown Shoe & Legging Co. Inc., Hagerstown, Md. Leather shoes. 187,113; July 29; Serial No. 193,168; published May 13, 1924.
Halperin, Nathan, doing business as Halperin Mills, Brooklyn, N. Y. Artificial-silk knitted fabric. 187,134; July 29; Serial No. 189,893; published May 13, 1924.
Hardwick & Magee Company, Philadelphia, Pa. Textile carpets and rugs. 187,143; July 29; Serial No. 192,118; published May 20, 1924.
Harkness, Harry D., Chicago, Ill. Checks, notes, bills, drafts, etc. 187,120; July 29; Serial No. 182,095; published Apr. 29, 1924.
Hayes & Co., Inc., Boston, Mass. Canned string beans, wax beans, corn, etc. 187,121; July 29; Serial No. 181,188; published May 6, 1924.
Hayward Hosiery Company, Ipswich, Mass. Hosiery. 187,166; July 29; Serial No. 194,189; published May 13, 1924.
Heller, B., & Company, Chicago, Ill. Waste and drain pipe and sink opener and cleaner. 187,334; July 29.
Heller, L., & Son, Inc., New York, N. Y. Jewelry boxes. 187,275; July 29; Serial No. 193,284; published May 13, 1924.
Hill, Samuel H., Paxton, Ill. Broomcorn house brooms. 187,189; July 29; Serial No. 194,540; published May 20, 1924.
Hillman's, Chicago, Ill. Boys' suits for outer wear. 187,313; July 29; Serial No. 181,597; published May 13, 1924.
Hill's Mixture Corporation, Augusta, Ga. Insect destroyer or disinfectant. 187,303; July 29; Serial No. 174,170; published May 6, 1924.
Hoffman, Elic A., doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Candy and chocolates. 187,291; July 29; Serial No. 191,882; published May 20, 1924.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 187,085; July 29; Serial No. 194,003; published May 13, 1924.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 187,087; July 29; Serial No. 194,005; published May 13, 1924.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 187,148; July 29; Serial No. 194,006; published May 13, 1924.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 187,257; July 29; Serial No. 194,001; published May 13, 1924.
Hunter Mfg. & Commission Co., New York, N. Y. Cotton piece goods. 187,077; July 29; Serial No. 194,351; published May 13, 1924.
Ideal Hat Co., New York, N. Y. Ladies' hats. 187,270; July 29; Serial No. 193,462; published May 13, 1924.
International Feature Service, Inc., New York, N. Y. Cartoons. 187,160; July 29; Serial No. 194,998; published May 13, 1924.
International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 187,084; July 29; Serial No. 194,064; published May 13, 1924.
International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 187,086; July 29; Serial No. 194,063; published May 13, 1924.
International Time Recording Company of New York, New York, N. Y. Time stamps and elapsed-time machines. 187,207; July 29; Serial No. 192,700; published May 20, 1924.
Iowa Light Company, The. (See Kriete, William H.)
Italian Stores, Inc., New York, N. Y. Olive oil. 187,130; July 29; Serial No. 173,832; published May 13, 1924.
Jaffas, John, Clinton, Iowa. Candy. 187,309; July 29; Serial No. 179,004; published Apr. 8, 1924.
Jameson, James W., doing business as Jameson Oil Company, Los Angeles, Calif. Gasoline. 187,279; July 29; Serial No. 181,995; published Oct. 2, 1923.
Karpe, Isaac, doing business as Karpe Bros., New York, N. Y. Preparation for the relief of seasickness. 187,240; July 29; Serial No. 193,402; published May 6, 1924.
Kaufmann & Company, Inc., Richmond, Va. Hats and hat linings. 187,331; July 29; Serial No. 189,723; published May 13, 1924.
Keiller, James, & Son, Limited, Dundee, Scotland. Marmalade. 187,215; July 29; Serial No. 193,599; published May 20, 1924.
Kelly, John J., Grand Forks, N. Dak. Potatoes. 187,205; July 29; Serial No. 192,396; published May 20, 1924.

Kelnore Company, San Francisco, Calif. Complexion bags, shampoo, cold cream, and lotion. 187,323; July 29; Serial No. 183,882; published Feb. 26, 1924.
Kent-Costikyan Trading Company, Inc., New York, N. Y. Textile rugs. 187,245; July 29; Serial No. 194,648; published May 13, 1924.
Keystone Knitting Company of Philadelphia, The, Philadelphia, Pa. Cravats and necktles. 187,092; July 29; Serial No. 191,382; published May 13, 1924.
Klein, David, New York, N. Y. Filtering paper. 187,107; July 29; Serial No. 187,006; published Apr. 29, 1924.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Muslin, cambric, and nainsook. 187,083; July 29; Serial No. 194,107; published May 13, 1924.
Knight, Dr. Wm. J., Newport News, Va. Medical preparation. 187,235; July 29; Serial No. 192,845; published May 6, 1924.
Kriete, William H., doing business as The Iowa Light Company, Des Moines, Iowa. Corn-popping machines, pop-corn-vending machines, and parts thereof. 187,203; July 29; Serial No. 172,231; published May 20, 1924.
Laclede-Christy Clay Products Company, St. Louis, Mo. Cement for mortar. 187,342; July 29.
Ladwig-Schlueter Co., Milwaukee, Wis. Artificial grape extract. 187,080; July 29; Serial No. 194,198; published May 20, 1924.
La Junta Flour Mills, The. (See Colorado Milling & Elevator Company.)
Lansburgh & Bro., Inc., Washington, D. C. Linen piece goods, bed sheets, pillowcases, tablecloths, etc. 187,301; July 29; Serial No. 173,899; published May 13, 1924.
La Societe Albert Berger et Cie. (See Berger, Albert, & Co.)
La Tropical Beverage Co. (See Florida Brewing Co.)
Leavitt, Peter M., Boston, Mass. Wheat and rye flour. 187,151-2; July 29; Serial Nos. 182,825-6; published May 20, 1924.
Lehn, John, doing business as Ajax Pen Company, Philadelphia, Pa. Fountain pens. 187,239; July 29; Serial No. 193,342; published Apr. 29, 1924.
Leindorf, J. P., New York, N. Y. Birdseed and song restorer. 187,106; July 29; Serial No. 187,946; published May 13, 1924.
Leiner, Geo. S., & Co., New York, N. Y. Brushes, mops, dusters. 187,253; July 29; Serial No. 195,231; published May 20, 1924.
Lesh, Edwin Z., Dayton, Ohio. Drafting instruments. 187,200; July 29; Serial No. 136,377; published Apr. 24, 1923.
Life Savers, Inc. (See Mint Products Co.)
Lionel Trading Co. Inc., New York, N. Y. Face powders and rouges. 187,302; July 29; Serial No. 174,084; published May 6, 1924.
Lippman Baking Company, Springfield, Mo. Bread and cake. 187,365; July 29.
Lisco Company, The, Atlanta, Ga. Lubricating oils and greases. 187,281; July 29; Serial No. 191,332; published Apr. 29, 1924.
Loomis-Woodward Co., The, also doing business as Loomis-Woodward, Fort Dodge, Iowa. Candy. 187,288; July 29; Serial No. 191,710; published May 20, 1924.
Lorillard, P., Co. (See Reese, Simon, assignor.)
Lucky Bite Candy Company. (See Salerno, Dominic Z., assignor.)
Luverne Extract Company, Los Angeles, Calif. Food-flavoring extracts. 187,198; July 29; Serial No. 193,937; published May 13, 1924.
Mackenzie, Robt. F., Co., The, Cleveland, Ohio. Candy. 187,145; July 29; Serial No. 192,403; published May 20, 1924.
MacLean Drug Company, Chicago, Ill. Fountain pens, penholders, lead pencils, etc. 187,308; July 29; Serial No. 178,758; published Nov. 13, 1923.
Macy, R. H., & Co., Inc., New York, N. Y. Women's sanitary napkins. 187,150; July 29; Serial No. 189,495; published May 20, 1924.
Mange, Clarence E., doing business as Chlorine Products Company, St. Louis, Mo. Germicides. 187,095; July 29; Serial No. 191,027; published Apr. 29, 1924.
Mansell, Hunt, Catty & Co. Ltd., London, England, and New York, N. Y. Paper containers for candies. 187,292; July 29; Serial No. 148,523; published May 13, 1924.
Manufacturers Supplies Company, St. Louis, Mo. Threads. 187,349-50; July 29.
Marie Cecil. (See Murphy, Lillian M.)
Marré & Cia, Buenos Aires, Argentina. Cheese and butter. 187,363; July 29.
Marshall Field & Company, Chicago, Ill. Piece goods made of cotton and artificial silk. 187,144; July 29; Serial No. 192,371; published May 20, 1924.
Martorelli, Raffaele, New York, N. Y. Salad oil. 187,251; July 29; Serial No. 195,176; published May 20, 1924.
Matrix Candy Corporation, New York, N. Y. Candy. 187,213; July 29; Serial No. 193,409; published May 20, 1924.
McAleer, Michael F., Washington, D. C. Combination file and blotter book. 187,238; July 29; Serial No. 193,301; published Apr. 29, 1924.
McLaurin-Jones Co., Brookfield, Mass. Coated label paper. 187,126; July 29; Serial No. 176,845; published Apr. 29, 1924.
McWhirter, E. J., & Co. Inc., Seattle, Wash. Toothbrushes, toilet brushes, hairbrushes, etc. 187,259; July 29; Serial No. 193,039; published May 20, 1924.
Melco Candy Co., Sherman, Calif. Peppermints. 187,183; July 29; Serial No. 194,877; published May 20, 1924.
Mell, Daisy W., Athens, Ga. Infants' bands, undershirts, union suits, combinations, etc. 187,122; July 29; Serial No. 180,712; published May 13, 1924.
Metro Chocolate Co., Inc., The, Brooklyn, N. Y. Candy. 187,248; July 29; Serial No. 195,117; published May 20, 1924.
Mint Products Co. Inc., now by change of name Life Savers, Inc., Port Chester, N. Y. Candies and chewing gums. 187,298; July 29; Serial No. 167,848; published May 13, 1924.
Morris, Mann & Reilly, Inc., Chicago, Ill. Bags and hand bags, vanity bags and cases. 187,090; July 29; Serial No. 191,778; published May 6, 1924.
Moses, Belle, doing business as Sesmo Manufacturing Company, New York, N. Y. Vanishing cream. 187,089; July 29; Serial No. 191,779; published Apr. 29, 1924.
Moto Meter Company, Inc., The, Long Island City, N. Y. Thermometers. 187,180; July 29; Serial No. 194,934; published May 20, 1924.
Moto Meter Company, Inc., The, Long Island City, N. Y. Combined heat-indicating devices and radiator caps. 187,197; July 29; Serial No. 193,942; published May 20, 1924.
Moulton, William H., doing business as Carbonite Manufacturing Co., Belleville, N. J. Lubricant for automobile springs. 187,358; July 29, 1924.
Mulonas, Nicholas, Detroit, Mich. Facial cold cream. 187,326; July 29; Serial No. 186,798; published May 6, 1924.
Murphy, Lillian M., doing business as Marie Cecil, New York, N. Y. Hair-removing composition and compounds. 187,262; July 29; Serial No. 193,848; published May 6, 1924.
Napier, Risden B., doing business as The Bennett Remedy Co., Rockingham, N. C. Medicinal tablets as a remedy for hysteria, dizziness, etc. 187,232; July 29; Serial No. 192,722; published May 6, 1924.
Narwood Bros., Brooklyn, N. Y. Bunting. 187,109; July 29; Serial No. 192,726; published May 20, 1924.
National Macaroni Company, The. (See Foulds Milling Company.)
Neil, John G., Dunedin, New Zealand. Biscuits. 187,317; July 29; Serial No. 182,765; published May 13, 1924.
New Metropolitan Fiction, Inc., New York, N. Y. Monthly magazine. 187,159; July 29; Serial No. 195,068; published May 13, 1924.
New York Merchandise Company, New York, N. Y. Hair nets. 187,268; July 29; Serial No. 193,534; published May 13, 1924.
New York Mfg. Corp. (See Bell, Robert J.)
Niagara Alkali Company, Niagara Falls, N. Y. Insecticides, disinfectants, and deodorants. 187,221; July 29; Serial No. 192,144; published Apr. 29, 1924.
Nicholson File Company, Providence, R. I. Files and rasps. 187,276; July 29; Serial No. 193,187; published May 20, 1924.
Novelty Curtain Manufacturing Co., Chicago, Ill. Fanciful lace curtains. 187,123; July 29; Serial No. 180,236; published May 20, 1924.
Ohio Macaroni Company, The, Cleveland, Ohio. Spaghetti and macaroni. 187,179; July 29; Serial No. 194,941; published May 20, 1924.
O'Keefe's Beverages, Limited, Buffalo and New York, N. Y., and Canton, Conn. Ginger ale. 187,355; July 29.
Orlik, Alfred, New York, N. Y. Tobacco pipes. 187,330; July 29; Serial No. 189,067; published May 20, 1924.
Otto Roth Aktiengesellschaft, Berlin-Tempelhof, Germany. Cutlery. 187,327; July 29; Serial No 188,024; published May 20, 1924.
Parfumerie Roger et Gallet, Paris, France. Soaps, soap pastes, and soap powders. 187,283; July 29; Serial No. 185,142; published Feb. 19, 1924.
Peck & Peck, New York, N. Y. Hosiery. 187,321; July 29; Serial No. 183,404; published May 13, 1924.
Peerless Belting Company, Gardenville, N. Y. Leather and cotton belting. 187,351; July 29.
Pencilnife Corporation, New York, N. Y. Pencil clip and knife combination. 187,102; July 29; Serial No. 189,515; published May 13, 1924.
Pennsylvania Petroleum Company, North Kansas City, Mo. Lubricating oils and greases. 187,286; July 29; Serial No. 193,957; published Apr. 29, 1924.
Peoples Drug Stores, Inc., Washington, D. C. Sandwiches. 187,244; July 29; Serial No. 194,659; published May 13, 1924.
Peoples Fuel & Supply Co., Chicago, Ill. Ice cream. 187,294; July 29; Serial No. 159,176; published June 26, 1923.
Pettit, Myra B., doing business as M. B. Pettit & Company, Brooklyn, N. Y. Aprons, caps, sacks, and porch dresses. 187,132; July 29; Serial No. 160,430; published May 13, 1924.
Philippe, Louis, New York, N. Y. Lip sticks and rouge. 187,110; July 29; Serial No. 192,730; published May 13, 1924.
Philippe, Louis, Inc., New York, N. Y. Rouges. 187,335; July 29.

Phospho Food Co. Inc., Los Angeles, Calif. Cereal breakfast food. 187,359; July 29.
Portner, David, doing business as Portner Knitting Mills, Philadelphia, Pa. Neckties and cravats. 187,320; July 29; Serial No. 183,228; published May 13, 1924.
Punch, M., Inc., New York, N. Y. Hand bags and cases, overnight bags, etc. 187,233; July 29; Serial No. 192,732; published Apr. 29, 1924.
Randolph Milling Company, Baldwin, Ill. Wheat flour. 187,211; July 29; Serial No. 193,069; published May 20, 1924.
Reed, Joseph L., Waco, Tex. Root beer. 187,241; July 29; Serial No. 195,190; published May 20, 1924.
Reese & Reese, Baltimore, Md. Writing, book, and printing papers. 187,097; July 29; Serial No. 190,468; published May 6, 1924.
Reese, Simon, Sioux City, Iowa, assignor to P. Lorillard Co. Inc., New York, N. Y. Cigars. 187,296; July 29; Serial No. 163,947; published July 25, 1922.
Re-Nu Co. (See Wemlinger, Frank.)
Republic Coffee Company, El Paso, Tex. Coffee. 187,319; July 29; Serial No. 183,086; published May 6, 1924.
Reynolds Packing Company, Union City, Tenn. Canned meat products. 187,360; July 29.
Riches, Piver & Co., New York, N. Y. Insecticides and fungicides. 187,222; July 29; Serial No. 192,150; published Apr. 29, 1924.
Riker Company, The, Newark, N. J. Clasps and metal ornaments for use on pocketbooks and bags. 187,127; July 29; Serial No. 175,521; published Apr. 29, 1924.
Rite Hat Works, Inc., New York, N. Y. Ladies' hats. 187,266; July 29; Serial No. 193,682; published May 13, 1924.
Robins Silk Manufacturing Company, Inc., New York, N. Y. Silk piece goods. 187,267; July 29; Serial No. 193,627; published Apr. 29, 1924.
Robinson Silk Company, Inc., New York and Astoria, N. Y. Piece goods made of silk. 187,071–4; July 29; Serial Nos. 194481–4; published May 13, 1924.
Robinson Silk Company, Inc., New York and Astoria, N. Y. Piece goods made of silk. 187,078; July 29; Serial No. 194,302; published May 13, 1924.
Roig & Landsdorf, Inc., Philadelphia, Pa. Cigars. 187,139; July 29; Serial No. 191,239; published May 20, 1924.
Roman Meal Company, Tacoma, Wash., and North Tonawanda, N. Y. Bread, biscuits, and crackers. 187,362; July 29.
Rosen, E., Company, Providence, R. I. Candy. 187,216; July 29; Serial No. 193,683; published May 20, 1924.
Rumpf-Wetmore Company, The, Stockton, Calif. Table grapes. 187,158; July 29; Serial No. 190,065; published May 6, 1924.
Rupe, Veazy P., Indianapolis, Ind. Lotion for treatment of eczema, boils, etc. 187,175; July 29; Serial No. 193,474; published May 6, 1924.
Saenger Drug Company, Inc., Shreveport, La. Preparation for pimples, dandruff, ringworm, etc. 187,336; July 29.
Saginaw Salt Products Company, Saginaw, Mich. Salt. 187,261; July 29; Serial No. 193,862; published May 6, 1924.
Salerno, Dominic Z., doing business as D. Zoni Salerno, assignor to Lucky Bite Candy Company, Chicago, Ill. Candy. 187,228; July 29; Serial No. 192,646; published May 13, 1924.
Saltzman, George, Co., New York, N. Y. Work shirts. 187,115; July 29; Serial No. 186,086; published May 13, 1924.
Sapulpa Creamery. (See Southern Ice & Utilities Co.)
Sarco Company, Inc., New York, N. Y. Temperature regulators, recording and indicating thermometers, and parts thereof. 187,188; July 29; Serial No. 194,669; published May 20, 1924.
Savage Mountain Fire Brick Company, Frostburg, Md. Fire brick. 187,339; July 29
Schapira Brothers, Inc., New York, N. Y. Candy. 187,208; July 29; Serial No. 192,796; published May 20, 1924.
Schleicher, F. J., Paper Box Company, St. Louis, Mo. Paper and cardboard boxes. 187,128; July 29; Serial No. 174,674; published Apr. 29, 1924.
Schwabacher Bros. & Co. Incorporated, Seattle, Wash. Canned vegetables. 187,290; July 29; Serial No. 191,843; published May 20, 1924.
Schweizerkäse-Konserven Aktien-Gesellschaft, Schiadelegi, Switzerland. Cheese, cheese and milk products. 187,287; July 29; Serial No. 190,856; published May 20, 1924.
Sea Island Canning Co., Sapelon Island, Ga. Canned shrimp. 187,153; July 29; Serial No. 183,235; published May 20, 1924.
Sears, Roebuck and Co., Chicago, Ill. Table linens. 187,273; July 29; Serial No. 193,359; published May 20, 1924.
Seamo Manufacturing Company. (See Moses, Belle.)
Shulman & Sons, New York, N. Y. Rulers and yardsticks. 187,196; July 29; Serial No. 193,966; published May 20, 1924.
Signal Shirt Company, Racine, Wis. Work shirts and overalls. 187,364; July 29.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Warp sateens. 187,204; July 29; Serial No. 180,147; published Nov. 6, 1923.
Singer Manufacturing Company, The, New York, N. Y., and Elizabeth, N. J. Covers of sewing-machine cabinets, tables, and stands, etc. 187,226; July 29; Serial No. 192,437; published Apr. 15, 1924.
Skinner, Herbert E., Chicago, Ill. Combined hot-water heaters and boilers. 187,346; July 29.
Skinner, Mrs. Anna M. O., Sykesville, Md. Preparation for piles. 187,269; July 29; Serial No. 193,478; published May 6, 1924.
Smith & Bates. (See Bates, Willard R.)
Smith, Clyde, Walnut Grove, Mo. Salve. 187,234; July 29; Serial No. 192,798; published May 6, 1924.
South Bend Wholesale Grocery Company, South Bend, Ind. Coffee. 187,146; July 29; Serial No. 192,438; published May 20, 1924.
Southard, Thos., Poultry Supply Co., Kansas City, Mo. Poultry foods. 187,297; July 29; Serial No. 167,335; published May 13, 1924.
Southern Ice & Utilities Co., doing business as Sapulpa Creamery, Sapulpa, Okla. Ice cream and butter. 187,182; July 29; Serial No. 194,883; published May 20, 1924.
Spooner Inc., New York, N. Y. Face and talcum powders, perfumes, toilet waters, etc. 187,098; July 29; Serial No. 190,658; published May 6, 1924.
Standard Oil Company (New Jersey), Bayonne, N. J. Lubricant. 187,284; July 29; Serial No. 193,425; published Apr. 29, 1924.
Stanley Works, The, New Britain, Conn. Rules, yardsticks, bevels, wantage rods, etc. 187,272; July 29; Serial No. 193,428; published May 13, 1924.
Stevens Medicine Company, New York, N. Y. Preparation for catarrh. 187,223; July 29; Serial No. 192,340; published May 6, 1924.
Stirn, L. & E., New York, N. Y. Silk piece goods. 187,075; July 29; Serial No. 194,420; published May 13, 1924.
Stirn, L. & E., New York, N. Y. Silk piece goods. 187,076; July 29; Serial No. 194,419; published May 20, 1924.
Strong, Cobb & Company, Cleveland, Ohio. Preparations for preventing sunburn and insect bites. 187,343; July 29.
Stuart Products Co. Inc., New York, N. Y., and Jersey City, N. J. Stove blacking. 187,354; July 29.
Sullivan, Minnie, doing business as Mary Brown Sidley & Co., Chicago, Ill. Bloomers and corsets. 187,324; July 29; Serial No. 185,160; published May 13, 1924.
Sunny South Grain Company, Birmingham, Ala. Cattle, chicken, and pigeon feeds. 187,154; July 29; Serial No. 183,949; published Jan. 15, 1924.
Susuki and Company, Limited, Kobe, Japan, and Portland, Oreg. Wheat flour. 187,111; July 29; Serial No. 192,939; published May 13, 1924.
Swift and Company, Chicago, Ill. Oleomargarine. 187,173; July 29; Serial No. 193,551; published May 13, 1924.
Telfer Biscuit Co. Limited, Toronto, Ontario, Canada. Biscuits. 187,300; July 29; Serial No. 173,372; published May 13, 1924.
Tilton & Keeler Inc., New York, N. Y. Cotton piece goods. 187,070; July 29; Serial No. 194,494; published May 13, 1924.
Timm, Ernest A., Denver, Colo. Butter. 187,249; July 29; Serial No. 195,141; published May 20, 1924.
Tindall, Kolbe & McDowell Co., Milwaukee, Wis. Cocoa, peanut butter, table sirup, etc. 187,193; July 29; Serial No. 194,224; published May 13, 1924.
Titus Blatter & Company, New York, N. Y. Sateen goods in the piece. 187,124–5; July 29; Serial Nos. 177,248–9; published May 20, 1924.
Titus Blatter & Company, New York, N. Y. Sateen goods in the piece. 187,306; July 29; Serial No. 177,247; published May 13, 1924.
Titus Blatter & Company, New York, N. Y. Sateen goods in the piece. 187,307; July 29; Serial No. 177,250; published May 13, 1924.
Toohey Silk Mills, Incorporated, New York, N. Y. Silk piece goods. 187,119; July 29; Serial No. 182,841; published May 20, 1924.
Trautman, C., & Company, Cincinnati, Ohio. Leather. 187,340; July 29.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 187,195; July 29; Serial No. 194,083; published May 20, 1924.
True, Dr. J. F., & Co. Inc., Auburn, Me. Vermifuge and remedies for indigestion, colds, etc. 187,352; July 29.
Twee Chemical Company. (See Williams, J. A.)
Twentieth Century Mfg. Co., Dover, Del. Infants' diapers. 187,206; July 29; Serial No. 192,651; published May 6, 1924.
Tyer Rubber Company, Andover, Mass. Rubber bands. 187,147; July 29; Serial No. 192,447; published May 6, 1924.
Ultro Chemical Corporation, New York, N. Y. Dry color. 187,333; July 29.
United Cheese Importers, Inc., New York, N. Y. Cheese. 187,252; July 29; Serial No. 195,202; published May 20, 1924.
U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 187,345; July 29.
Utah Canning Company, The, Ogden, Utah. Canned tomatoes, hominy, sauerkraut, pumpkin, etc. 187,209; July 29; Serial No. 192,867; published May 13, 1924.

Verser, Charles, Sunnyvale, Calif. Milky shampoo. 187,117; July 29; Serial No. 185,270; published Apr. 29, 1924.
Voss & Stern, assignor to Voss & Stern, Inc., New York, N. Y. Cotton piece goods. 187,347; July 29.
Voss & Stern, assignor to Voss & Stern, Inc., New York, N. Y. Silk piece goods. 187,348; July 29.
Wagner, Abraham, doing business as Wagner Laboratories, Brooklyn, N. Y. Compound for the reduction of superfluous flesh. 187,229; July 29; Serial No. 192,653; published Apr. 29, 1924.
Waite Phillips Company, Tulsa, Okla. Gasoline, naphtha, gas oil, etc. 187,356; July 29.
Waller, Eugene H., doing business as Akawalla Laboratories, Pittsburgh, Pa. Hair tonic, shampoo cream, beauty clay, and ointment. 187,329; July 29; Serial No. 188,648; published May 6, 1924.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, and worsted and cotton, etc., piece goods. 187,310; July 29; Serial No. 179,176; published June 12, 1923.
Washburn Crosby Company, Minneapolis, Minn. Stock and poultry feed. 187,246; July 29; Serial No. 194,635; published May 13, 1924.
We 3 Company. (See Bartlett, William H. C.)
Weber Costello Co., Chicago Heights, Ill. Erasers and crayons. 187,170; July 29; Serial No. 193,874; published May 13, 1924.
Wemlinger, Frank, doing business as Re-Nu Co. (Not Inc.), Chicago, Ill. Milk preparations to be used as beverages. 187,157; July 29; Serial No. 189,995; published May 13, 1924.
West Disinfecting Company, New York, N. Y. Liquid-soap-dispensing systems. 187,299; July 29; Serial No. 173,264; published Apr. 24, 1923.
Weston, Will B., Santa Clara, Calif. Fresh pears. 187,187; July 29; Serial No. 194,684; published May 20, 1924.
White, Earl T., Atlantic City, N. J. Games of chance. 187,149; July 29; Serial No. 189,342; published May 20, 1924.
Whitehead & Hoag Co., The, Newark, N. J., and New York, N. Y. Title for a monthly publication. 187,163; July 29; Serial No. 194,426; published May 13, 1924.
Whiteselle Brick & Lumber Company, Corsicana, Tex. Brick. 187,341; July 29.
Whitman, Clarence, & Son, Inc., Katonah and New York, N. Y. Bleached, piece-dyed, and printed cotton and silk and cotton textiles. 187,069; July 29; Serial No. 194,497; published May 13, 1924.
Whittier, Julia E., Seattle, Wash. Foot remedy. 187,315; July 29; Serial No. 181,968; published May 6, 1924.
Wile, E. J., & Co., New York, N. Y. Cotton piece goods. 187,247; July 29; Serial No. 194,498; published May 13, 1924.
Williams, Gordon, doing business as Gordon, New York, N. Y. Cold cream and vanishing cream. 187,088; July 29; Serial No. 191,800; published Apr. 29, 1924.
Williams, J. A., doing business as Twee Chemical Company, Fort Wayne, Ind. Medicated table and kitchen salt. 187,224; July 29; Serial No. 192,347; published May 6, 1924.
Williams, Percy B. T., Philadelphia, Pa. Hairbrushes. 187,186; July 29; Serial No. 194,831; published May 20, 1924.
Workman Manufacturing Company, The, Chicago, Ill. Devices for the use of accountants and bookkeepers. 187,096; July 29; Serial No. 190,824; published May 6, 1924.
York-Bradford Company, Inc., San Francisco, Calif. Gift boxes. 187,169; July 29; Serial No. 193,878; published Apr. 29, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Guarneri, Fernando, New York, N. Y. Fernando Guarneri Exclusivo. For a Disk Record. 27,649; July 29.
Harris, A. W., Oil Co., Providence, R. I. Harris Oils and Greases—America's Leading Lubricants. For Lubricating Oils and Greases. 27,650; July 29.
Heller, B., & Company, Chicago, Ill. Frapine. For a Preparation for Use in Malted-Milk Drinks. 27,651; July 29.
Hughes & Tansey Inc., Boston, Mass. Hu-Tan Elastic-Arch Shoe. For Shoes. 27,652; July 29.
Krank, Alfred J., St. Paul, Minn. Lily of the Valley. For Toilet Water. 27,653; July 29.
Krank, Alfred J., St. Paul, Minn. Skin-Health Soap. For Toilet Soap. 27,654; July 29.
Krank, Alfred J., St. Paul, Minn. Pine-Tonic. For a Shampoo. 27,655; July 29.
Loft, Incorporated, New York, N. Y. Home Made Candies. For Candies. 27,656; July 29.
Orangethorpe Citrus Association, Fullerton, Calif. Thanksgiving. For Oranges. 27,657; July 29.
Orangethorpe Citrus Association, Fullerton, Calif. Celebration. For Oranges. 27,658; July 29.
Orangethorpe Citrus Association, Fullerton, Calif. Arbor. For Oranges. 27,659; July 29.
Orangethorpe Citrus Association, Fullerton, Calif. Armistice. For Oranges. 27,660; July 29.
Post, E. E., Co. Inc., Utica, N. Y. Maple Leaf Sugar Butter. For Sugar Butter. 27,661; July 29.
Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow. For Canned Peaches. 27,662; July 29.
Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow. For Canned Vegetables for Salad. 27,663; July 29.
Wander Company, The, Chicago, Ill. Panomalt. For Pure Barley-Malt Extract. 27,664; July 29.
Weinhagen, Chas., & Co., St. Paul, Minn. Swallows. For Candy Boxes. 27,665; July 29.
Weinhagen, Chas., & Co., St. Paul, Minn. Discovery. For Candy Boxes. 27,666; July 29.
West Electric Hair Curler Company, Philadelphia, Pa. West Double Mesh Hair Net. For Hair Nets. 27,667; July 29.
Wicks Pharmacal Co., Sparrows Point, Md. Wicks' All Around Relief Salve. For Jars Containing Medicinal Salve. 27,668; July 29.
Wicks Pharmacal Co., Sparrows Point, Md. Wicks' All Around Relief Salve. For Boxes Containing Jars of Medicinal Salve. 27,669; July 29.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. The Spirit of 1924. For Wheat Breakfast Food. 7,505; July 29.
Cream of Wheat Co., Minneapolis, Minn. Dainty new desserts that do not tax digestion. For Wheat Breakfast Food. 7,506; July 29.
Emerson Drug Company, Baltimore, Md. Johnny Ginger Says: Drink Emerson's Ginger-Mint Julep It gives you "Pep." For Beverages 7,507; July 29.
Estey Organ Company, The, Brattleboro, Vt. At The Theater. For Estey Pipe Organs. 7,508; July 29.
Helfer Bros. Co., Pittsburgh, Pa. K ◆ (with a representation of the King of Diamonds). For Diamonds. 7,509; July 29.
Hills Bros., San Francisco, Calif. A western institution—that cup of wonderful coffee. For Coffee. 7,510; July 29.
Hills Bros., San Francisco, Calif. A distinguished coffee meets many distinguished people. For Coffee. 7,511; July 29.
Hills Bros., San Francisco, Calif. The glorious West loves her glorious coffee. For Coffee. 7,512; July 29.
Hills Bros., San Francisco, Calif. Hills Bros Coffee grew up with the West. For Coffee. 7,513; July 29.
Hills Bros., San Francisco, Calif. "In all the world, no coffee like this!" For Coffee. 7,514; July 29.
Hills Bros., San Francisco, Calif. The sun rises in the West upon a cup of coffee. For Coffee. 7,515; July 29.
Hills Bros., San Francisco, Calif. Why shouldn't the West be proud of its coffee? For Coffee. 7,516; July 29.
Hills Bros., San Francisco, Calif. The Spirit of the West is in every steaming cup. For Coffee. 7,517; July 29.
Hills Bros., San Francisco, Calif. 29 years after the Gold Rush came Hills Bros. Red Can Coffee. For Coffee. 7,518; July 29.
Hills Bros., San Francisco, Calif. This fragrant nut-brown brew the West claims as its own. For Coffee. 7,519; July 29.
Hills Bros., San Francisco, Calif. Every steaming cup is an insistent invitation. For Coffee. 7,520; July 29.
Hills Bros., San Francisco, Calif. From far-off Old World capitals come calls for this coffee of the West! For Coffee. 7,521; July 29.
Hills Bros., San Francisco, Calif. Among the glories of the West, not the least is superb coffee. For Coffee. 7,522; July 29.
Hills Bros., San Francisco, Calif. There's a hearty western welcome in that cup of Hills Bros. Coffee. For Coffee. 7,523; July 29.

Hills Bros., San Francisco, Calif. When East meets West, it remembers the coffee. For Coffee. 7,524; July 29.
Hills Bros., San Francisco, Calif. Back East they tell of scenic grandeur and wonderful Western coffee! For Coffee. 7,525; July 29.
Hills Bros., San Francisco, Calif. From the West's homes of wealth and discrimination comes a tradition of wonderful coffee. For Coffee. 7,526; July 29.
Hills Bros., San Francisco, Calif. Drink Hills Bros. Red Can Coffee, and the whole coffee-loving West drinks with you! For Coffee. 7,527; July 29.
Hills Bros., San Francisco, Calif. When western hospitality first became a tradition. For Coffee. 7,528; July 29.
Jell-O Company, Inc., The, Leroy, N. Y. Whipped Jell-O. For a Dessert Preparation. 7,529; July 29.
National Biscuit Company, New York, N. Y. Alphabets. For Crackers. 7,530; July 29.
Racine Horseshoe Tire Company, The, Racine, Wis. You'll Have Better Luck With Horseshoes. For Tires. 7,531; July 29.
Tolhurst Machine Works, Troy, N. Y. Tolhurst Extractors. For Centrifugal Extractors. 7,532; July 29.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aberdeen Creamery Company, Aberdeen, Miss. Butter. 197,856; July 29.
Ackerman, Albert, Chicago, Ill. Headache and neuralgia wafers. 195,474; July 29.
Agua Imperial, Sociedad Anónima, Barcelona, Spain. Mineral waters, gases, powders, and salts for mineral waters, and condensates of the said salts. 197,792; July 29.
Allen & Hendrickson Packing Co., Inc., Portland, Oreg. Canned beans, blackberries, and salmon. 197,238; July 29.
Ambrosia Chocolate Company, Milwaukee, Wis. Eating chocolate. 195,936; July 29.
American Crayon Company, The, Sandusky, Ohio. Toy wax crayons. 198,496; July 29.
American Field Publishing Co., The, Chicago, Ill. Weekly magazine. 197,695; July 29.
American Lady Corset Co., Detroit, Mich. Corsets, corset waists, brassières, etc. 197,239; July 29.
Amfinger, Frank, Braddock, Pa. Medicine for coughs, catarrh of the stomach, etc. 197,794; July 29.
Arabol Mfg. Co., The, New York, N. Y. Sizing, finishing, and detergent preparation for fabrics. 198,206; July 29.
Arabol Mfg. Co., The, New York, N. Y. Preparation for boiling cotton fabrics. 198,208; July 29.
Aracoma Drapery Fabrics, Incorporated, New York, N. Y. Silk, cotton, wool, etc., draperies in the piece. 196,784–5; July 29.
Ash Grove Lime and Portland Cement Company, Kansas City, Mo., and Portland, Me. High calcium hydrated lime. 196,423; July 29.
Aunt Marys Pie Crust Company (Not Incorporated). (See Gardner, Mary G.)
Aureola Laboratories, Inc., New York, N. Y. Pomade for the hair. 189,348; July 29.
Baker, H. W., Linen Company, New York, N. Y. Turkish towels. 197,796; July 29.
Ballard & Ballard Co., Louisville, Ky. Wheat flour. 181,629–30; July 29.
Banks, Arthur J., St. Lambert, Quebec, Canada. Fermentation meters. 184,016; July 29.
Barber, F. W., doing business as The Barber Products Company, Nashville, Tenn. Preparation for killing and repelling flies and to be sprayed upon cattle. 197,650; July 29.
Barnett, I. H., & Brother, New York, N. Y. Men's flannel negligee shirts. 197,353; July 29.
Beaver Machine & Tool Co., Inc., Newark, N. J. Electrical plugs, attachment plugs, and switch plugs. 196,687; July 29.
Bee Cell Co., The, Buffalo, N. Y. Pessary. 197,651; July 29.
Behr, Herman & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 197,129; July 29.
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, shirts, etc. 195,674; July 29.
Berkley Knitting Company, Philadelphia, Pa. Neckties and cravats. 181,668; July 29.
Berks Knitting Company, Inc., Reading Pa. Ladies' hosiery. 197,924; July 29.
Bickman, Emanuel, doing business as Bickman Chemical Company, Baltimore, Md. Hair tonic. 198,051; July 29.
Bickmore Company, The, Old Town, Me. Ointment for use on the scalp and hair. 198,282; July 29.
Big Four Canning Co., Stanley, Wis. Canned peas and sauerkraut. 197,356; July 29.
Bonnie-B Co., Inc., The, New York, N. Y. Hair nets. 197,798; July 29.
Borgfeldt, George, & Co., New York, N. Y. Dolls and toys. 198,172; July 29.
Brown & Bigelow, St. Paul, Minn. Blotters and booklets. 196,575; July 29.
Brown, Frederick J., Brooklyn, N. Y. Weekly periodical. 196,101; July 29.
Bryan-Keefe & Co., Tampa, Fla. Mayonnaise. 198,222; July 29.
Buchsbaum, Samuel, doing business as S. Buchsbaum & Co., Chicago, Ill. Jewelry cases. 146,864; July 29.
Buenger, Albert E., doing business as E. M. Pharmacal Co., Denver, Colo. Medicinal preparation and tonic for the stomach. 193,150; July 29.
Buob and Scheu, Cincinnati, Ohio. Automobile tops and curtains. 197,702; July 29.
Burger, Iwan, Inc., New York, N. Y. Canned sardines. 197,414–15; July 29.
Burton, Samuel G., Wheeling, W. Va. Butter and eggs. 197,130; July 29.
California Sea Food Co. (See Rex, Max A.)
Carametos, John J. M., doing business as E. B. Candy Co., Chicago, Ill. Peanut-candy cake. 173,349; July 29.
Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper and mailing envelopes. 198,111; July 29.
Carleton Dry Goods Co., St. Louis, Mo. Dress shirts, gowns, and pyjamas. 197,323; July 29.
Carthage Marble and White Lime Company, Carthage, Mo. Marble and limestone. 176,601; July 29.
Chamberlain Company, The, Pittsburgh, Pa. Cleaning powder. 197,801; July 29.
Champion Rubber Co., The, Kent, Ohio. Rubber tires and tubes. 197,864; July 29.
Chipman Knitting Mills, Easton, Pa. Hosiery. 191,531; July 29.
Clayton, Walter O., Grand Island, Nebr. Liver pills. 197,925; July 29.
Clover Leaf Cut Glass Co. (See Urbach, Wm.)
Coalter, Nellie G., Fort Wayne, Ind. Men's cloth caps. 196,007; July 29.
Cohen, Goldman & Co. Inc., New York, N. Y. Men's and children's overcoats. 196,694; July 29.
Corduroy Tire Company, Grand Rapids, Mich. Pneumatic rubber tires and tire casings and inner tubes therefor. 197,417; July 29.
Cuesta, Rey & Company, Tampa, Fla. Cigars. 198,623; July 29.
Dawidoff, Rebecca, New York, N. Y. Remedy for perspiring and aching feet. 197,705; July 29.
Deatel, George A., doing business as The Holland Maide Company, Baltimore, Md. Candy. 193,994; July 29.
De Priest, Elizabeth, doing business as W. D. De Priest, Kingston, Pa. Hair tonic. 197,997; July 29.
De Sherbinin, Helen K., Buffalo, N. Y. Dishwashing machines. 195,503; July 29.
Detroit Butter & Egg Co., Detroit, Mich. Broken eggs in cans. 191,372; July 29.
Dreiginas, Walter, Baltimore, Md. Inside patches. 196,516; July 29.
Driesen, Myer & Oronsky, New York, N. Y. Outer suits and overcoats for males. 197,424; July 29.
Dr. Rewalt Med. Co. (See Vidal, Margaret J.)
Duxhome Poultry Farm. (See Lukert, Harold R.)
E. B. Candy Co. (See Carametos, John J. M.)
E. M. Pharmacal Co. (See Buenger, Albert E.)
E-X-L Hydrometer Works. (See Manos, Con.)
Eastman Kodak Company, Rochester, N. Y. Photographic developer. 198,126; July 29.
Ebinger, D. A., Sanitary Mfg. Co., The, Columbus, Ohio. Urinals, closets, drinking fountains, etc. 197,066; July 29.
Electra-Pura Water Company. (See Jourdan, Russell R.)
Eline's Incorporated, Milwaukee, Wis. Chocolate. 198,294; July 29.
Evans', L. B. Son Company, Wakefield, Mass. Footwear. 190,877; July 29.
Fair, The, Chicago, Ill. Sanitary belts, aprons, and bloomers, hot-water bottles, and syringes. 176,018; July 29.
Florita, Anthony R., doing business as Old Yellow Label Dist. Co., Moberly, Mo. Whisky. 194,344; July 29.
Fischer Meat Co., St. Louis, Mo. Ham, bacon, chipped beef, etc. 167,240; July 29.
Fitzgerald, Mrs. M. P., Houston, Tex. Shampoo preparation. 181,524; July 29.
Floor Waxer & Polisher Corporation, New York, N. Y. Mechanical floor waxers and polishers and parts thereof. 196,518; July 29.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, towels, and napkins. 197,928; July 29.
Foster, Benjamin, Company, Philadelphia, Pa. Petroleum products for road surfacing. 197,739; July 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Four Seasons Fertilizer Co. Inc., New York, N. Y. Fertilizer. 192,526; July 29.
Frankel Bros., New York, N. Y. Golf balls, clubs, and bags. 181,985; July 29.
Franklin Knitting Mills, Inc., New York, N. Y. Knitted necktles and mufflers. 194,266; July 29.
Franklin Simon & Co., Inc., New York, N. Y. Toilet water, sachet, nail powder, etc. 183,096; July 29.
Freund, Paul, Inc., New Orleans, La. Candy. 198,177; July 29.
Funke, Jos. B., Company, also doing business as The Jos. B. Funke Co. and Funke's, La Crosse, Wis. Candy. 197,369; July 29.
G. S. M. Puro-Septic Co. (See Mandich, George S.)
Garcia & Maggini Co., San Francisco, Calif. Fresh fruits and vegetables. 182,300; July 29.
Gardner, Mary G., doing business as Aunt Marys Pie Crust Company (Not Incorporated), Evanston, Ill. Pie-crust composition. 197,930; July 29.
Glebeas Importation Co., New York, N. Y. Face powders, face creams, perfumes, etc. 198,178–9; July 29.
Golden Nugget Sweets, San Francisco, Calif. Candy and confectionery. 196,737; July 29.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 196,956; July 29.
Grafo Pencil Company, Ltd., Ceske Budejovice, Czechoslovakia. Pencils. 184,445; July 29.
Grahame Chemical Company, Trenton, N. J. Solutions and compounds containing germanium oxide. 198,302; July 29.
Grawey, William F., doing business as Peoria Auto Parts Co., Peoria, Ill. Connecting-rod and main motor bearings, axle shafts, etc. 168,885; July 29.
Gross, John C., Pearl River, N. Y. Advertising folders. 195,578; July 29.
Gunby, Mrs. C., Galveston, Tex. Scale and rust solvents for radiators, etc. 198,571; July 29.
Herbetta Manufacturing Company. (See Van Dorin, Ida S.)
Herting, August C., doing business as X L Pharmacal Co., Merchantville, N. J. Medicines for asthma, colds, etc. 189,312; July 29.
Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y. Men's work clothing. 197,375; July 29.
Higgins Manufacturing Company, Providence, R. I. Solid cooking or shortening compound. 196,300; July 29.
Highland Shaker Sweater Co., Camden, N. Y. Knitted sweaters, caps, and scarfs, etc. 196,387; July 29.
Hoffman, Dr., Medicine Company. (See Traudt, Francis J.)
Hoffman Hosiery Company, Philadelphia, Pa. Hosiery and underwear. 180,008; July 29.
Holden, Jacob, doing business as Holden & Earle, Worcester, Mass. Cigars. 198,137; July 29.
Holland Maide Company, The. (See Deatel, George A.)
Holyoke Silk Hosiery Company, Holyoke, Mass. Hosiery. 197,599; July 29.
Honolulu Fruit Company, Limited, Honolulu, Hawaii. Canned pineapple. 195,398; July 29.
Humboldt Milling Company, Humboldt, Tenn. Wheat flour. 197,937; July 29.
International Intaglio Corporation, New York, N. Y. Printing inks. 195,229; July 29.
Iowa City Canning Co., Iowa City, Iowa. Canned corn. 183,712; July 29.
Ivory Garter Company, New Orleans, La. Suspenders and garters. 195,399; July 29.
Jacobs, David Corporation, New York, N. Y. Hosiery. 197,601; July 29.
Jesta Laboratories, New York, N. Y. Face powders and creams, tooth powders, hair oils, etc. 197,543; July 29.
Johnes, Charles B., Newark, N. J. Piece goods made partly of rubber. 197,759; July 29.
Johnson, Milton C., Co., New York, N. Y. Flat writing bindings. 196,663; July 29.
Jourdan, Russell R., doing business as Electra-Pura Water Company, Dallas, Tex. Drinking waters purified by electrolysis, etc. 193,598; July 29.
Kantze, D. W., Co., Inc., New York and Brooklyn, N. Y. Children's underpetticoats, kimonos, etc. 183,796; July 29.
Keast, Alfred H., San Francisco, Calif. Sticker tape and moistening machines. 177,441; July 29.
Kelley, Anderson W., executor for Joseph K. Nye estate, doing business as William F. Nye, New Bedford, Mass. Lubricating oil. 188,757; July 29.
Kenney Manufacturing Company, Cranston, R. I. Curtain rods, drapery and window-shade hardware. 198,069; July 29.
Kerosope Company, Los Angeles, Calif. Soap. 197,602; July 29.
Keuffel & Esser Company, Hoboken, N. J. Transparent (tracing) cloth. 197,819; July 29.
Keystone Manufacturing Co., The, Buffalo, N. Y. Kits of socket wrenches. 194,543; July 29.
Killant Chemical Company. (See Nowlin, H. B.)
Kitchell, W. S., Company, Inc., New York, N. Y. Eggs and butter. 198,312; July 29.
Kleinschmidt Laboratories, Inc., Newark, N. J. Citrate of magnesia. 197,945; July 29.
Kops Bros. Inc., New York, N. Y. Corsets, brassières, and underwear. 197,884; July 29.
Kossmann, Max, doing business as Radio Sales Co., New York, N. Y. Radio accessories. 196,814; July 29.
Kuppenheimer, B., & Co., Inc., Chicago, Ill. Men's and boys' ready-made clothing. 195,111; July 29.
Laclede-Christy Clay Products Company, St. Louis, Mo. Fire brick in a plastic form. 197,603; July 29.
La Mode Garment Co., Chicago, Ill. Woven fabric undergarments for children. 197,284; July 29.
Langrock, D. T., Inc., New Haven, Conn. Men's sack coats, cutaway coats, full-dress suits, etc. 196,528; July 29.
La Parisienne. (See Louis, Marie.)
Lazow, Mendel, New York, N. Y. Furs. 197,438; July 29.
Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Preparation for treatment of diseases peculiar to women. 197,670; July 29.
Levay, Eugene, doing business as Le Vay Studio, New York, N. Y. Games and toys, particularly for a fortune-telling game. 194,874; July 29.
Levine, Dave, doing business as Dave Levine & Co., New York, N. Y. Men's topcoats, overcoats, coats, vests, and trousers. 197,159; July 29.
Link & Hemrick, Inc., New York, N. Y. Storage batteries. 196,710; July 29.
Lougee, William S., doing business as V. L. Company, Cleveland, Ohio. Veterinary liniment. 116,160; July 29.
Louis, Marie, doing business as La Parisienne, Chicago, Ill. Ladies' and children's underwear. 197,286; July 29.
Lukert, Harold R., doing business as Duxhome Poultry Farm, Moriches, N. Y. Live and dressed poultry. 197,887; July 29.
Lynch-Mead Manufacturing Co., Turlock, Calif. Wrenches. 196,167; July 29.
Magill, Samuel N., Inc., Philadelphia, Pa. Woven silk underwear. 171,372; July 29.
Mandich, George S., doing business as G. S. M. Puro-Septic Co., Cleveland, Ohio. Mouth disinfectant. 197,888; July 29.
Manos, Con, doing business as E-X-L Hydrometer Works, Cicero, Ill. Hydrometer syringes. 198,148; July 29.
Martoccio, F. A., Macaroni Co., Minneapolis, Minn. Candy bars. 197,547; July 29.
Martoccio, F. A., Macaroni Co., Minneapolis, Minn. Candy bars. 197,548; July 29.
Martoccio, F. A., Macaroni Co., Minneapolis, Minn. Candy and confections. 197,549; July 29.
Mathieson Alkali Works, The, New York, N. Y. Ammonia. 198,018; July 29.
Merchants Textile Syndicate, Bay City, Mich. Hosiery and underwear. 192,190; July 29.
Milo Coffee Co. Inc., San Francisco, Calif. Coffee, teas, spices. 197,892; July 29.
Model Brassiere Co. Inc., New York, N. Y. Brassières. 196,067; July 29.
Moore, William R., Dry Goods Company, Memphis, Tenn. Dress, negligee, and work shirts. 198,021; July 29.
Morten Milling Company, Dallas, Tex. Wheat flour. 198,195; July 29.
National Acme Company, The, Cleveland, Ohio. Metal-working machines and tools. 196,183; July 29.
National Chain Stores. (See Wein, Joseph W.)
National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,555; July 29.
National Tire & Rubber Company, The, East Palestine, Ohio. Pneumatic tires and inner tubes therefor. 196,964; July 29.
Naylor, Frederick J., Brooklyn, N. Y. Radio receiving sets. 196,820; July 29.
Newark Noveloid Co., Newark, N. J. Optical celluloid temples, and celluloid fronts, metal screws, etc. 197,213; July 29.
Niser Ice Cream Company, The, Cincinnati, Ohio. Ice cream. 197,676; July 29.
Northern Indiana Brass Company, Elkhart, Ind. Ball cocks and trip levers for ball cocks. 194,940; July 29.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Photographic developer. 196,926; July 29.
Nowlin, H. B., doing business as Killant Chemical Company, Fort Worth, Tex. Chemical composition for destroying insects. 198,244; July 29.
Nu Gloss Shampoo Co. (See Sorensen, Soren C.)
Nye, Joseph K., Estate. (See Kelley, Anderson W., executor.)
Nye, William F. (See Kelley, Anderson W., executor, assignor.)
O'Callaghan & Fedden, Inc., New York, N. Y. Hosiery. 197,952; July 29.
Oelwein Chemical Company. (See Rhine, Earl.)
Oiless Core Binder Company, The, Cleveland, Ohio. Oilless core binder. 183,849; July 29.
Old Yellow Label Dist. Co. (See Florita, Anthony R.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous and deciduous fruits and nuts. 196,187–8; July 29.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous and deciduous fruits, nuts, and fresh cantaloupes. 196,189; July 29.

Palais Royal Inc., The, Washington, D. C. Women's coats, suits, skirts, etc. 196,879; July 29.

Park & Tilford, New York, N. Y. Soap. 191,715; July 29.

Parke, Davis & Company, Detroit, Mich. Bottle caps. 197,617; July 29.

Pavich, Gregory A., Washington, D. C. Medical liquor. 168,168; July 29.

Peacock Products, Not Inc., Moline, Ill. Facial clay, cold cream, and vanishing cream. 191,908; July 29.

Peerless Sweater Mills, Inc., New York, N. Y. Knitted dresses, sweaters, and suits. 196,618; July 29.

Pennant Baking Company, Cincinnati, Ohio. Cake. 192,147; July 29.

Peoples Drug Stores, Inc., Washington, D. C. Cigars, cigarettes, tobacco. 189,913; July 29.

Peoria Auto Parts Co. (See Grawey, William F.)

Peterson-Kintner Company, Pittsburgh, Pa. Compound for covering the hands to protect them. 197,341; July 29.

Philippe, Louis, New York, N. Y. Face powder. 191,368; July 29.

Pischinger, Oskar, Inc., New York, N. Y. Cakes, chocolates, candies, and pastry. 197,449; July 29.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrous fruits. 197,953–7; July 29.

Pohajda, Louis, Chicago, Ill. Malt extract for food purposes. 180,887; July 29.

Pomona Products Company, Griffin, Ga. Canned pimiento peppers. 180,775; July 29.

Pop Novelty Co., New York, N. Y. Box games. 194,816; July 29.

Portage Underwear Manufacturing Company, Portage, Wis. Women's knitted underwear. 194,216; July 29.

Pretz Sticks Baking Company, Myerstown, Pa. Bakery products of a pretzel-like nature. 197,392; July 29.

Radio Sales Co. (See Kossmann, Max.)

Rand Company, Inc., North Tonawanda, N. Y. Indexes. 198,251–2; July 29.

Reece, Karl W. P., Boston, Mass. Rubber jar rings. 197,560; July 29.

Reis, Lester, & Co., New York, N. Y. Underwear, hosiery, sweaters, sweater vests. 196,194; July 29.

Rex, Max A., doing business as California Sea Food Co., Los Angeles, Calif. Canned tunny and sardines. 197,907; July 29.

Rhine, Earl, doing business as Oelwein Chemical Company, Oelwein, Iowa. Medicinal mineralized feed. 196,762; July 29.

Rice-Stix Dry Goods Company, St. Louis, Mo. Dolls. 198,326; July 29.

Robitscher & Daum, New York, N. Y. Knit underwear. 171,234; July 29.

Roeper, Hanson & Neuman Co., The, Cincinnati, Ohio. Hosiery. 197,959; July 29.

Royal-Ascot Knitting Mills Company, Philadelphia, Pa. Knitted sport suits and dresses, sweaters, scarfs, etc. 196,196; July 29.

Salvatore Esposito & Bros., New York, N. Y. Olive oil. 197,870; July 29.

Scavini, Enrico, Turin, Italy. Dolls, favors, etc. 184,187; July 29.

Schall, Ida K., Columbus, Ohio. Window cleaner. 197,777; July 29.

Schiller, Harry B., Philadelphia, Pa. Crystal detectors and parts thereof for radio receiving apparatus. 196,826; July 29.

Schmidt, Geo. A. & Co., Chicago, Ill. Shaving creams and soaps. 198,383; July 29.

Schneider, Harry H., New York, N. Y. Malt sirup for food purposes. 195,541; July 29.

Schott Bros., New York, N. Y. Shirts. 197,963; July 29.

Scientific Equipment Company. (See Tileston, Clarence A.)

Score's Balaclava Limited, Toronto, Canada. Men's overcoats. 193,475; July 29.

Scott, George F., Bath, N. Y. Preparation for cramps. 187,021; July 29.

Seaboard Refractories Company, Valentines, N. J. Refractory materials for use in building, lining, and patching of furnace walls, etc. 197,687; July 29.

Seamless Rubber Company, Inc., The, New Haven, Conn. Stemless rubber bladders used in footballs, etc. 197,782; July 29.

Searls, R. S., doing business as Shinmor Product Company, Sulphur Springs, Tex. Shoe polish. 197,823; July 29.

Security Mills, Knoxville, Tenn. Horse, dairy, and scratch feed. 192,221; July 29.

Shinmor Product Company. (See Searls, R. S.)

Shulman Brothers & Karber, Incorporated, Detroit, Mich. Hats and caps. 186,967; July 29.

Sichel-Bleistiftfabrik A. G. vorm. M. Meinetsberger & Co., Nuremberg, Germany. Paper, envelopes, pads, etc. 187,962; July 29.

Signal Shirt Company, Racine, Wis. Work, dress, and flannel shirts, work coats, and overalls. 195,306; July 29.

Silberman Bros., Inc., Jersey City, N. J. Cheese. 194,739; July 29.

Silknit Hosiery Company. (See Walker, John P.)

Simpson, Fred W., Chicago, Ill. Stock and poultry feed. 196,829; July 29.

Smith Beir & Gormly, Rochester, N. Y. Play suits, hosiery, underwear, etc. 188,331; July 29.

Société Anonyme Ed. Laurens—"Le Khédive"—Extension Suisse, Geneva, Switzerland. Cigarettes. 198,157; July 29.

Solenberger Piston Ring Company, The, Cleveland, Ohio. Piston rings. 196,936; July 29.

Sorensen, Soren C., doing business as Nu Gloss Shampoo Co., Oakland, Calif. Shampoo. 196,986; July 29.

Spitz, Samuel, & Sons, Inc., Chicago, Ill. Boys' and girls' coats. 179,431; July 29.

Stahlbaum, Rolf E., San Francisco, Calif. Canned fruit. 191,987; July 29.

Standard Motor Products Co., San Francisco, Calif. Cast bearings and bushings. 182,773; July 29.

Stanley, John F., Co. Inc., New York, N. Y. Bluing. 196,034; July 29.

Stickles, L. D., Shoe Co., The, Red Wing, Minn. Boots and shoes. 196,320; July 29.

Stoom, N. V., Chocolade & Cacaofabriek "Kwatta," Breda, Netherlands. Cocoa. 187,699; July 29.

Strathmore Orange Groves Co. Inc., Porterville, Calif. Fresh citrous fruits. 198,161; July 29.

Straubel Machine Company, Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 182,072; July 29.

Stylepark Hats, Inc., Philadelphia, Pa. Men's felt hats. 195,662; July 29.

Suchar Process Corporation, Dover, Del. Filters. 196,553; July 29.

Tab-U-Need Company, Pulaski, Tenn. Purgatives. 197,303; July 29.

Tashjian, Armen H., Cleveland, Ohio. Building elements. 196,775; July 29.

Tebbutt, Edward S., doing business as Tebbutt & Co., Brooklyn, N. Y. Mincemeat, lemon butter, pork pies, etc. 194,031; July 29.

Theodore, Nicholas, doing business as Nicholas Peppo Co., Cleveland, Ohio. Beverages sold as soft drinks. 196,213 July 29.

Thibodeau, A. F., Company, Inc., Detroit, Mich. Butter. 198,485; July 29.

Thomas-Daggett Company, Grand Rapids, Mich. Chocolate-covered wafer. 197,969; July 29.

Thompson Germicidal Sterilizer Co. Inc., Los Angeles, Calif. Toothbrush sterilizers. 197,630; July 29.

Thomson & Kelly Co., Inc., Boston, Mass. Leather jackets. 194,032; July 29.

Tileston, Clarence A., doing business as Scientific Equipment Company, Ridgewood, N. J. Radio receiving sets and parts thereof. 196,555; July 29.

Till, Edward C., Owego, N. Y. Shoes. 193,639; July 29.

Traudt, Francis J., doing business as Dr. Hoffman Medicine Company, St. Louis, Mo. Vegetable compound for relief of diseases of the liver and kidneys. 197,913; July 29.

Ukemco Corporation, New York, N. Y. Vegetal. 197,567; July 29.

Union Company, The, Columbus, Ohio. Hats and caps. 196,217; July 29.

United Retail Chemists' Corporation, New York, N. Y. Shaving cream. 197,635; July 29.

United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Nails used in the manufacture of boots and shoes. 182,022–3; July 29.

Urhach, Wm., doing business as Clover Leaf Cut Glass Co., Chicago, Ill. Cut and engraved glassware. 193,431; July 29.

V. L. Company. (See Lougee, William S.)

Van Dorin, Ida S., doing business as Herbetta Manufacturing Company, Indianapolis, Ind. Remedy for the treatment of epilepsy. 197,915; July 29.

Van Loan & Company, New York, N. Y. Spices. 195,557; July 29.

Veterans of Foreign Wars of the United States, Kansas City, Kans. Artificial flowers. 197,345; July 29.

Vicenzi, Massimiliano, New York, N. Y. Preparation for nervous diseases. 191,858; July 29.

Vidal, Margaret J., doing business as Dr. Rewalt Med. Co., Madison, S. Dak. Remedy for constipation, sour stomach, diarrhea, etc. 198,271; July 29.

Voorhees, Joseph P., New York, N. Y. Hosiery. 196,684; July 29.

Waldron, Jane, Okeechobee, Fla. Preparation for yellow thrush, white thrush, or other mouth diseases. 198,098; July 29.

Walker, John P., doing business as Silknit Hosiery Company, Chicago, Ill. Hosiery. 197,916; July 29.

Ward Baking Company, New York, N. Y. Bread and cake. 185,733; July 29.

Washee Products Corporation, Brooklyn, N. Y. Laundry and toilet soap. 197,573; July 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wein, Joseph W., doing business as National Chain Stores, Spokane, Wash. Men's and boys' outer garments. 187,074; July 29.

Weissmann, Gustave, Paris, France. Electric lamps. 196,781; July 29.

West Electric Hair Curler Company, Philadelphia, Pa. Shampoos. 197,402; July 29.

West Electric Hair Curler Company, Philadelphia, Pa. Hair nets. 197,403; July 29.

White, R. H., Company, Boston, Mass. Mattresses, pillows, cushions, and pads. 197,405; July 29.

Williamson, W. W., Newmarket, Va. Farm products. 193,204; July 29.

Wilson Seed and Floral Company, The, Columbus, Ohio. Ornithological preparations. 178,155; July 29.

Wish, Fred A., Incorporated, New York, N. Y. Umbrellas and parasols. 197,233; July 29.

Witherup Cork Packing Co., The, Beaumont, Tex. Cork pump and engine packing. 197,124; July 29.

Wynnt Way of New York, Incorporated, Dover, Del., and Minneapolis, Minn. Women's lingerie, knitted underwear, etc. 195,321; July 29.

Y & B Hosiery Mills, Reading, Pa. Hosiery. 197,976; July 29.

York Street Flax Spinning Co. Inc., New York, N. Y. Handkerchiefs. 195,997; July 29.

Zeerro Waffle Company, Washington, D. C. Special moistureproof preformed and prebaked edible containers for ice cream, etc. 197,789; July 29.

Zinsmeister, J., & Sons, Louisville, Ky. Hose. 197,977; July 29.

Zorn's, Mrs., Junior Club Sandwiches, Richmond, Va. Sandwiches. 197,978; July 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather. C. Trautman & Company. 187,340; July 29.

CLASS 2.

Boxes, Gift. York-Bradford Company. 187,169; July 29; Serial No. 193,878; published Apr. 29, 1924.

Boxes, Jewelry. L. Heller & Son, Inc. 187,275; July 29; Serial No. 193,284; published May 13, 1924.

Burial cases. Embalming Burial Case Company. 187,118; July 29; Serial No. 183,025; published May 6, 1924.

Cabinets, Milk. R. J. Bell. 187,099; July 29; Serial No. 190,755; published Apr. 29, 1924.

Gasoline-tank cap and reserve-gasoline container, Combination automobile. Camel Manufacturing Co. 187,172; July 29; Serial No. 193,696; published Apr. 29, 1924.

Paper and cardboard boxes. F. J. Schleicher Paper Box Company. 187,128; July 29; Serial No. 174,674; published Apr. 29, 1924.

Paper containers. Mansell, Hunt, Catty & Co. Ltd. 187,292; July 29; Serial No. 148,523; published May 13, 1924.

CLASS 3.

Bags and vanity cases. Morris Mann & Reilly, Inc. 187,090; July 29; Serial No. 191,778; published May 6, 1924.

Boxes, Vanity. Harriet Hubbard Ayer. 187,091; July 29; Serial No. 191,517; published Apr. 29, 1924.

Hand bags and cases, overnight bags, etc. M. Punch, Inc. 187,233; July 29; Serial No. 192,732; published Apr. 29, 1924.

Pocketbooks and bags, Clasps and metal ornaments for. Riker Company. 187,127; July 29; Serial No. 175,521; published Apr. 29, 1924.

CLASS 4.

Blacking, Stove. Stuart Products Co. 187,354; July 29.

Soaps, soap pastes, and powders. Parfumerie Roger et Gallet. 187,283; July 29; Serial No. 185,142; published Feb. 19, 1924.

CLASS 6.

Absorbent to prevent profuse perspiration, Liquid. W. R. Bates. 187,304; July 29; Serial No. 175,055; published May 6, 1924.

Chemicals, medicines, and pharmaceutical preparations. A. Blumenthal. 187,265; July 29; Serial No. 193,800; published May 6, 1924.

Complexion bags, shampoo, cold cream, and lotion. Kelnore Company. 187,323; July 29; Serial No. 183,882; published Feb. 26, 1924.

Compound for the reduction of superfluous flesh. A. Wagner. 187,229; July 29; Serial No. 192,653; published Apr. 29, 1924.

Cream, Facial cold. N. Mulonas. 187,326; July 29; Serial No. 186,798; published May 6, 1924.

Cream, Vanishing. B. Moses. 187,089; July 29; Serial No. 191,779; published Apr. 29, 1924.

Creams, Cold and vanishing. G. Williams. 187,088; July 29; Serial No. 191,800; published Apr. 29, 1924.

Creams, Cold, camphor, witch-hazel, etc. Amendola Brothers. 187,108; July 29; Serial No. 191,463; published May 6, 1924.

Dyes. Eddystone Manufacturing Company. 187,344; July 29.

Foot remedy. J. E. Whittier. 187,315; July 29; Serial No. 181,968; published May 6, 1924.

Germicides. C. B. Mange. 187,095; July 29; Serial No. 191,027; published Apr. 29, 1924.

Hair-removing composition and compounds. L. M. Murphy. 187,262; July 29; Serial No. 193,848; published May 6, 1924.

Hair tonic, shampoo cream, beauty clay, and ointment. E. H. Waller. 187,329; July 29; Serial No. 188,648; published May 6, 1924.

Insect destroyer or disinfectant. Hill's Mixture Corporation. 187,303; July 29; Serial No. 174,170; published May 6, 1924.

Insecticides. W. C. Adams. 187,230; July 29; Serial No. 192,658; published Apr. 29, 1924.

Insecticides and fungicides. Riches, Piver & Co. 187,222; July 29; Serial No. 192,150; published Apr. 29, 1924.

Insecticides, disinfectants, and deodorants. Niagara Alkali Company. 187,221; July 29; Serial No. 192,144; published Apr. 29, 1924.

Liniment. R. Crandall. 187,264; July 29; Serial No. 193,807; published May 6, 1924.

Lip sticks and rouge. L. Philippe. 187,110; July 29; Serial No. 192,730; published May 13, 1924.

Lotion, Antiseptic hand. W. H. C. Bartlett. 187,116; July 29; Serial No. 185,739; published Apr. 29, 1924.

Lotion for treatment of eczema, boils, etc. V. P. Rupe. 187,175; July 29; Serial No. 193,474; published May 6, 1924.

Medical compounds, Chemicals, etc. J. Charnes. 187,135; July 29; Serial No. 189,757; published May 6, 1924.

Medical preparation. Dr. W. J. Knight. 187,235; July 29; Serial No. 192,845; published May 6, 1924.

Medicine for treatment of stomach disorders. C. W. Borland. 187,231; July 29; Serial No. 192,672; published May 6, 1924.

Pipe and sink opener and cleaner, Waste and drain. B. Heller & Company. 187,334; July 29.

Powders and rouges, Face. Lionel Trading Co. 187,302; July 29; Serial No. 174,084; published May 6, 1924.

Powders, perfumes, toilet waters, etc., Face and talcum. Spooner Inc. 187,098; July 29; Serial No. 190,658; published May 6, 1924.

Preparation for catarrh. Stevens Medicine Company. 187,223; July 29; Serial No. 192,340; published May 6, 1924.

Preparation for piles. Mrs. A. M. O. Skinner. 187,269; July 29; Serial No. 193,478; published May 6, 1924.

Preparation for pimples, dandruff, hives, etc. Saenger Drug Company. 187,336; July 29.

Preparation for the relief of seasickness. I. Karpe. 187,240; July 29; Serial No. 193,402; published May 6, 1924.

Preparation for the treatment of diseases of the gums. Glyp, Inc. 187,174; July 29; Serial No. 193,518; published May 6, 1924.

Preparation to promote the growth of hair. C. Granucci. 187,171; July 29; Serial No. 193,706; published May 6, 1924.

Preparations for preventing sunburn and insect bites. Strong, Cobb & Company. 187,343; July 29.

Rouges. Louis Philippe, Inc. 187,335; July 29.

Salt. Saginaw Salt Products Company. 187,261; July 29; Serial No. 193,862; published May 6, 1924.

Salt, Medicated table and kitchen. J. A. Williams. 187,224; July 29; Serial No. 192,347; published May 6, 1924.

Salve. C. Smith. 187,234; July 29; Serial No. 192,798; published May 6, 1924.

Shampoo, Milky. C. Verser. 187,117; July 29; Serial No. 185,270; published Apr. 29, 1924.

Tablets, Medicinal. R. B. Napier. 187,232; July 29; Serial No. 192,722; published May 6, 1924.

Vermifuge and remedies for indigestion, colds, etc. Dr. J. F. True & Co. 187,352; July 29.

CLASS 8.

Pipes, Tobacco. A. Orlik. 187,330; July 29; Serial No. 189,067; published May 20, 1924.

CLASS 9.

Matches. Otto Eisenlohr & Bros., Incorporated. 187,242; July 29; Serial No. 194,985; published May 13, 1924.

CLASS 12.

Brick. Whiteselle Brick & Lumber Company. 187,341; July 29.
Cement for mortar. Laclede-Christy Clay Products Company. 187,342; July 29.
Fire brick. Savage Mountain Fire Brick Company. 187,339; July 29.
Wall boards and similar building materials. Celotex Company. 187,332; July 29.

CLASS 13.

Soap-dispensing system, Liquid-. West Disinfecting Company. 187,299; July 29; Serial No. 173,264; published Apr. 24, 1923.
Tubes. Anaconda Copper Mining Company. 187,311; July 29; Serial No. 180,681; published May 20, 1924.

CLASS 14.

Alloys. Calorizing Company. 187,103; July 29; Serial No. 189,184; published May 20, 1924.
Metals and alloys, etc. Anaconda Copper Mining Company. 187,312; July 29; Serial No. 180,683; published May 20, 1924.

CLASS 15.

Fuels, Motor. P. A. Brangler. 187,282; July 29; Serial No. 188,525; published Apr. 29, 1924.
Gasoline. Crescent Oil Company. 187,285; July 29; Serial No. 193,757; published Apr. 29, 1924.
Gasoline. Eico Petroleum Company. 187,280; July 29; Serial No. 182,406; published May 6, 1924.
Gasoline. Factory Oil Company. 187,366; July 29.
Gasoline. J. W. Jameson. 187,279; July 29; Serial No. 181,995; published Oct. 2, 1923.
Gasoline, fuel and lubricating oils. Federal Oil Co. 187,278; July 29; Serial No. 178,379; published May 6, 1924.
Gasoline, naphtha, greases, etc. Waite Phillips Company. 187,356; July 29.
Kerosene. Gilmore Petroleum Company. 187,277; July 29; Serial No. 166,539; published May 6, 1924.
Lubricant. Standard Oil Company (New Jersey). 187,284; July 29; Serial No. 193,425; published Apr. 29, 1924.
Lubricant for automobile springs. W. H. Moulton. 187,358; July 29.
Oil, Lubricating Factory Oil Company. 187,353; July 29.
Oils and greases, Lubricating. Lisco Company. 187,281; July 29; Serial No. 191,332; published Apr. 29, 1924.
Oils and greases, Lubricating. Pennsylvania Petroleum Company. 187,286; July 29; Serial No. 193,957; published Apr. 29, 1924.

CLASS 16.

Color, Dry. Ultro Chemical Corporation. 187,333; July 29.

CLASS 17.

Cigars. S. Reese. 187,296; July 29; Serial No. 163,947; published July 25, 1922.
Cigars. Rolg & Landsdorf, Inc. 187,139; July 29; Serial No. 191,239; published May 20, 1924.

CLASS 22.

Aerial play car, Child's. S. J. Apple. 187,114; July 29. Serial No. 186,405; published May 20, 1924.
Games of chance. E. T. White. 187,149; July 29; Serial No. 189,342; published May 20, 1924.
Scooter. Colson Company. 187,212; July 29; Serial No. 193,273; published May 20, 1924.

CLASS 23.

Corn-popping machines, pop-corn-vending machines, and parts thereof. W. H. Kriete. 187,203; July 29; Serial No. 172,231; published May 20, 1924.
Cutlery. Otto Roth Aktiengesellschaft. 187,327; July 29; Serial No. 188,024; published May 20, 1924.
Files and rasps. Nicholson File Company. 187,276; July 29; Serial No. 193,187; published May 20, 1924.
Pumps and compressors. Gardner Governor Company. 187,156; July 29; Serial No. 189,562; published May 20, 1924.
Sewing-machine cabinets, tables, and stands, etc., Covers of. Singer Manufacturing Company. 187,226; July 29; Serial No. 192,437; published Apr. 15, 1924.
Sewing machines. H. Grossmann. 187,328; July 29; Serial No. 188,549; published May 20, 1924.
Shaft supports and hangers, bearings, etc. Dodge Manufacturing Corporation. 187,136; July 29; Serial No. 190,040; published May 13, 1924.

CLASS 26.

Drafting instruments. E. Z. Lesh. 187,200; July 29; Serial No. 136,377; published Apr. 24, 1923.
Heat-indicating devices and radiator caps, Combined. Moto Meter Company. 187,197; July 29; Serial No. 193,942; published May 20, 1924.
Lenses, Ophthalmic. Bausch & Lomb Optical Company. 187,217–19; July 29; Serial Nos. 193,796–8; published May 20, 1924.
Pictures on films and lantern slides and projection apparatus for displaying the same. W. C. Brinton. 187,293; July 29; Serial No. 152,694; published May 13, 1924.
Rulers and yardsticks. Shulman & Sons. 187,196; July 29; Serial No. 193,966; published May 20, 1924.
Rules, yardsticks, bevels, wantage rods, etc. Stanley Works. 187,272; July 29; Serial No. 193,428; published May 13, 1924.
Temperature regulators, recording and indicating thermometers, and parts thereof. Sarco Company. 187,188; July 29; Serial No. 194,669; published May 20, 1924.
Thermometers. Moto Meter Company. 187,180; July 29; Serial No. 194,934; published May 20, 1924.
Time stamps and elapsed-time machines. International Time Recording Company of New York. 187,207; July 29; Serial No. 192,700; published May 20, 1924.

CLASS 29.

Brooms, Broomcorn house. S. H. Hill. 187,189; July 29; Serial No. 194,540; published May 20, 1924.
Brushes, mops, dusters. Geo. S. Leiner & Co. 187,253; July 29; Serial No. 195,231; published May 20, 1924.
Hairbrushes. P. B. T. Williams. 187,186; July 29; Serial No. 194,831; published May 20, 1924.
Toothbrushes, toilet brushes, hairbrushes, etc. E. J. McWhirter & Co. 187,259; July 29; Serial No. 193,959; published May 20, 1924.
Windshield cleaners. Trico Products Corporation. 187,195; July 29; Serial No. 194,083; published May 20, 1924.

CLASS 33.

Glassware, Household. R. B. Cressman. 187,138; July 29; Serial No. 190,832; published May 20, 1924.
Watch glasses. Albert Berger & Co. 187,142; July 29; Serial No. 192,059; published May 20, 1924.

CLASS 34.

Water heaters and boilers, Combined hot. H. E. Skinner. 187,346; July 29.

CLASS 35.

Belting. Peerless Belting Company. 187,351; July 29.
Packing, Journal-box. Flower Waste & Packing Company. 187,338; July 29.

CLASS 37.

Accountants and bookkeepers, Devices for the use of. Workman Manufacturing Company. 187,096; July 29; Serial No. 190,824; published May 6, 1924.
Checks, notes, bills, drafts, etc. H. D. Harkness. 187,120; July 29; Serial No. 182,095; published Apr. 29, 1924.
Containers filled with adhesive or gummed tape. Casterline & Brien. 187,131; July 29; Serial No. 170,925; published May 13, 1924.
Envelopes. Eager & Hart. 187,227; July 29; Serial No. 192,608; published May 6, 1924.
Erasers and crayons. Weber Costello Co. 187,170; July 29; Serial No. 193,874; published May 13, 1924.
File and blotter book, Combination. M. F. McAleer. 187,238; July 29; Serial No. 193,301; published Apr. 29, 1924.
Paper and envelopes, Writing. Bermingham & Prosser Company. 187,161–2; July 29; Serial Nos. 194,513–14; published May 13, 1924.
Paper and paper napkins, Toilet. Continental Paper & Bag Mills. 187,094; July 29; Serial No. 191,168; published May 13, 1924.
Paper, Bond. Blake, McFall Company. 187,295; July 29; Serial No. 161,290; published Aug. 22, 1922.
Paper, Coated label. McLaurin-Jones Co. 187,126; July 29; Serial No. 176,845; published Apr. 29, 1924.
Paper, Filtering. D. Klein. 187,107; July 29; Serial No. 187,006; published Apr. 29, 1924.
Paper, stencils, and stencil backing sheets, Stencil. A. B. Dick Company. 187,225; July 29; Serial No. 192,368; published Apr. 29, 1924.
Paper, Tracing and drawing. A. Bertsch. 187,101; July 29; Serial No. 190,146; published May 6, 1924.
Paper, Wrapping. Brinn & Jensen Co. 187,167; July 29; Serial No. 194,159; published May 13, 1924.
Paper, Writing, book, and printing. Reese & Reese. 187,097; July 29; Serial No. 190,468; published May 6, 1924.
Pencil clip and knife combination. Pencilnife Corporation. 187,102; July 29; Serial No. 189,515; published May 13, 1924.
Pens, Fountain. J. Lehn. 187,239; July 29; Serial No. 193,342; published Apr. 29, 1924.
Pens, penholders, lead pencils, etc., Fountain. MacLean Drug Company. 187,308; July 29; Serial No. 178,758; published Nov. 13, 1923.
Printed forms. Forest Products Engineering Co. 187,129; July 29; Serial No. 174,005; published May 13, 1924.
Rubber bands. Tyer Rubber Company. 187,147; July 29; Serial No. 192,447; published May 6, 1924.

Stapling machines, staples, and parts and accessories for same. Compo Corporation. 187,325; July 29; Serial No. 186,316; published May 13, 1924.

CLASS 38.

Cartoons. International Feature Service, Inc. 187,160; July 29; Serial No. 194,998; published May 13, 1924.
Magazine, Monthly. New Metropolitan Fiction, Inc. 187,159; July 29; Serial No. 195,068; published May 13, 1924.
Publication, Title for a monthly. Whitehead & Hoag Co. 187,163; July 29; Serial No. 194,426; published May 13, 1924.

CLASS 39.

Aprons, caps, sacks, and porch dresses. M. B. Pettit. 187,132; July 29; Serial No. 160,430; published May 13, 1924.
Bands, undershirts, union suits, combinations, etc., Infants'. D. W. Mell. 187,122; July 29; Serial No. 180,712; published May 13, 1924.
Bloomers and corsets. M. Sullivan. 187,324; July 29; Serial No. 185,160; published May 13, 1924.
Cravats and neckties. Keystone Knitting Company of Philadelphia. 187,092; July 29; Serial No. 191,382; published May 13, 1924.
Hats and hat linings. Kaufmann & Company. 187,331; July 29; Serial No. 189,723; published May 13, 1924.
Hats, Ladies'. Ideal Hat Co. 187,270; July 29; Serial No. 193,462; published May 13, 1924.
Hats, Ladies'. Rite Hat Works, Inc. 187,266; July 29; Serial No. 193,682; published May 13, 1924.
Hosiery. Davenport Hosiery Mills. 187,314; July 29; Serial No. 181,679; published May 13, 1924.
Hosiery. Hayward Hosiery Company. 187,166; July 29; Serial No. 194,189; published May 13, 1924.
Hosiery. Peck & Peck. 187,321; July 29; Serial No. 183,404; published May 13, 1924.
Neckties and cravats. D. Portner. 187,320; July 29; Serial No. 183,228; published May 13, 1924.
Shirts and overalls, Work. Signal Shirt Company. 187,364; July 29.
Shirts, Work. George Saltzman Co. 187,115; July 29; Serial No. 186,086; published May 13, 1924.
Shoes. Brown Shoe Company. 187,274; July 29; Serial No. 193,322; published May 13, 1924.
Shoes. Nathan D. Dodge Shoe Co. 187,305; July 29; Serial No. 176,014; published May 13, 1924.
Shoes, Leather. Chigirl Shoe Co. 187,137; July 29; Serial No. 190,770; published May 13, 1924.
Shoes, Leather. Hagerstown Shoe & Legging Co. 187,113; July 29; Serial No. 193,168; published May 13, 1924.
Suits. Chas. Douglis Muck Co. 187,105; July 29; Serial No. 188,052; published May 13, 1924.
Suits for outer wear, Boys'. Hillman's. 187,313; July 29; Serial No. 181,597; published May 13, 1924.
Suits, trousers, working coats and trousers, etc., Men's. General Service Clothing Co. 187,227; July 29; Serial No. 193,165; published May 13, 1924.
Underwear. Athletic Knitting Mills. 187,133; July 29; Serial No. 155,042; published May 13, 1924.
Waterproof garments. Domestic Products Co. 187,318; July 29; Serial No. 183,024; published May 13, 1924.

CLASS 42.

Bedspreads. John W. Fillman Company. 187,104; July 29; Serial No. 188,236; published May 13, 1924.
Bunting. Narwood Bros. 187,109; July 29; Serial No. 192,726; published May 20, 1924.
Carpets and rugs. Hardwick & Magee Company. 187,143; July 29; Serial No. 192,118; published May 20, 1924.
Cotton and artificial-silk piece goods. Marshall Field & Company. 187,144; July 29; Serial No. 192,371; published May 20, 1924.
Cotton and silk and cotton textiles. Clarence Whitman & Son, Inc. 187,069; July 29; Serial No. 194,497; published May 13, 1924.
Cotton, and silk, woolen, etc., piece goods, Dyed. Bradford Dyers' Association, Limited. 187,141; July 29; Serial No. 191,295; published May 20, 1924.
Cotton piece goods. Brune Pottberg & Co. 187,093; July 29; Serial No. 191,254; published May 20, 1924.
Cotton piece goods. Brune Pottberg & Co. 187,140; July 29; Serial No. 191,256; published May 20, 1924.
Cotton piece goods. Cohn Hall Marx Co. 187,081–2; July 29; Serial Nos. 194,163–4; published May 13, 1924.
Cotton piece goods. Hunter Mfg. & Commission Co. 187,077; July 29; Serial No. 194,351; published May 13, 1924.
Cotton piece goods. Tilton & Keeler Inc. 187,070; July 29; Serial No. 194,494; published May 13, 1924.
Cotton piece goods. Voss & Stern. 187,347; July 29.
Cotton piece goods. E. J. Wile & Co. 187,247; July 29; Serial No. 194,498; published May 13, 1924.
Curtains, Fanciful lace. Novelty Curtain Manufacturing Co. 187,123; July 29; Serial No. 180,236; published May 20, 1924.
Hair nets. New York Merchandise Company. 187,268; July 29; Serial No. 193,534; published May 13, 1924.
Handkerchiefs. International Handkerchief Mfg. Co. 187,084; July 29; Serial No. 194,064; published May 13, 1924.
Handkerchiefs. International Handkerchief Mfg. Co. 187,086; July 29; Serial No. 194,063; published May 13, 1924.
Knitted fabric. Cohen, Goldman & Co. 187,112; July 29; Serial No. 193,155; published May 20, 1924.
Knitted fabric. Cohen, Goldman & Co. 187,236; July 29; Serial No. 193,154; published May 13, 1924.
Linen piece goods, bed sheets, pillowcases, tablecloths, etc. Lansburgh & Bro., Inc. 187,301; July 29; Serial No. 173,899; published May 13, 1924.
Linens, Table. Sears, Roebuck and Co. 187,273; July 29; Serial No. 193,359; published May 20, 1924.
Muslin, cambric, nainsook. B. B. & R. Knight, Inc. 187,083; July 29; Serial No. 194,107; published May 13, 1924.
Rugs, Textile. Kent-Costikyan Trading Company. 187,245; July 29; Serial No. 194,648; published May 13, 1924.
Sateen goods in the piece. Titus Blatter & Company. 187,124–5; July 29; Serial Nos. 177,248–9; published May 20, 1924.
Sateen goods in the piece. Titus Blatter & Company. 187,306; July 29; Serial No. 177,247; published May 13, 1924.
Sateen goods in the piece. Titus Blatter & Company. 187,307; July 29; Serial No. 177,250; published May 13, 1924.
Sateens, Warp. Wm. Simpson, Sons & Co. 187,204; July 29; Serial No. 180,147; published Nov. 6, 1923.
Silk, artificial-silk, and woolen piece goods. Haas Brothers Fabrics Corporation. 187,322; July 29; Serial No. 183,739; published May 13, 1924.
Silk knitted fabric, Artificial-. N. Halperin. 187,134; July 29; Serial No. 189,893; published May 13, 1924.
Silk piece goods. Bleyer & Weinberg. 187,168; July 29; Serial No. 193,986; published May 13, 1924.
Silk piece goods. Bleyer & Weinberg. 187,258; July 29; Serial No. 193,987; published May 13, 1924.
Silk piece goods. Robins Silk Manufacturing Company. 187,267; July 29; Serial No. 193,627; published Apr. 29, 1924.
Silk piece goods. Robinson Silk Company. 187,071–4; July 29; Serial Nos. 194,481–4; published May 13, 1924.
Silk piece goods. Robinson Silk Company. 187,078; July 29; Serial No. 194,302; published May 13, 1924.
Silk piece goods. L. & E. Stirn. 187,075; July 29; Serial No. 194,420; published May 13, 1924.
Silk piece goods. L. & E. Stirn. 187,076; July 29; Serial No. 194,419; published May 20, 1924.
Silk piece goods. Toohey Silk Mills, Incorporated. 187,119; July 29; Serial No. 182,841; published May 20, 1924.
Silk piece goods. Voss & Stern. 187,348; July 29.
Wool-velour coating piece goods. C. Bahnsen & Co. 187,100; July 29; Serial No. 190,371; published May 13, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Co. 187,085; July 29; Serial No. 194,003; published May 13, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Co. 187,087; July 29; Serial No. 194,005; published May 13, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Co. 187,148; July 29; Serial No. 194,006; published May 13, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Co. 187,257; July 29; Serial No. 194,001; published May 13, 1924.
Worsted, woolen, cotton, worsted and cotton, woolen and cotton, etc., piece goods. Walther Manufacturing Co. 187,310; July 29; Serial No. 179,176; published June 12, 1923.

CLASS 43.

Threads. Manufacturers Supplies Company. 187,349–50; July 29.

CLASS 44.

Diapers, Infants'. Twentieth Century Mfg. Co. 187,206; July 29; Serial No. 192,651; published May 6, 1924.
Sanitary napkins. R. H. Macy & Co. 187,150; July 29; Serial No. 189,495; published May 20, 1924.

CLASS 45.

Beer, Root. J. L. Reed. 187,241; July 29; Serial No. 195,190; published May 20, 1924.
Beverages sold as soft drinks and syrups and dry powders for making the same. C. Benkeser. 187,243; July 29; Serial No. 194,688; published May 20, 1924.
Ginger ale. O'Keefe's Beverages, Limited. 187,355; July 29.
Grape extract, Artificial. Ludwig-Schlueter Co. 187,080; July 29; Serial No. 194,198; published May 20, 1924.
Syrups and beverages. Gordon, Sewall & Co. 187,079; July 29; Serial No. 194,269; published May 20, 1924.

CLASS 46.

Apples. Grant Orchards Fruit Growers Co. 187,357; July 29.
Birdseed and song restorer. J. P. Leudorf. 187,106; July 29; Serial No. 187,946; published May 13, 1924.

Biscuits. J. G. Neil. 187,317; July 29; Serial No. 182,765; published May 13, 1924.
Biscuits. Telfer Biscuit Co. Limited. 187,300; July 29; Serial No. 173,372; published May 13, 1924.
Bread and cake. Lippman Baking Company. 187,365; July 29.
Bread, biscuits, and crackers. Roman Meal Company. 187,362; July 29.
Butter. E. A. Timm. 187,249; July 29; Serial No. 195,141; published May 20, 1924.
Butter and ice cream. Essex County Ice Cream & Confectionery Company. 187,361; July 29.
Cakes, cookies, crackers, and bread. Becker's Bakery. 187,220; July 29; Serial No. 193,799; published May 20, 1924.
Candies and chewing gums. Mint Products Co. 187,298; July 29; Serial No. 167,848; published May 13, 1924.
Candy. Black Rock Candy Co. 187,181; July 29; Serial No. 194,901; published May 20, 1924.
Candy. Bunte Brothers. 187,271; July 29; Serial No. 193,444; published May 20, 1924.
Candy. Cactus Crystal Company. 187,202; July 29; Serial No. 171,449; published Mar. 27, 1923.
Candy. Cotton Belt Candy Company. 187,155; July 29; Serial No. 189,661; published May 20, 1924.
Candy. Greek Candy Kitchen. 187,177; July 29; Serial No. 195,104; published May 20, 1924.
Candy. J. Jaffas. 187,309; July 29; Serial No. 179,004; published Apr. 8, 1924.
Candy. Loomis-Woodward Co. 187,288; July 29; Serial No. 191,710; published May 20, 1924.
Candy. Robt. F. Mackenzie Co. 187,145; July 29; Serial No. 192,403; published May 20, 1924.
Candy. Matrix Candy Corporation. 187,213; July 29; Serial No. 193,409; published May 20, 1924.
Candy. Metro Chocolate Co. 187,248; July 29; Serial No. 195,117; published May 20, 1924.
Candy. E. Rosen Company. 187,216; July 29; Serial No. 193,683; published May 20, 1924.
Candy. D. Z. Salerno. 187,228; July 29; Serial No. 192,646; published May 13, 1924.
Candy. Schapira Brothers, Inc. 187,208; July 29; Serial No. 192,796; published May 20, 1924.
Candy and chocolates. E. A. Hoffman. 187,291; July 29; Serial No. 191,882; published May 20, 1924.
Candy bar. Anderson Caramel Co. 187,165; July 29; Serial No. 194,385; published May 13, 1924.
Canned meat products. Reynolds Packing Company. 187,360; July 29.
Canned shrimp. Sea Island Canning Co. 187,153; July 29; Serial No. 183,235; published May 20, 1924.
Canned string beans, wax beans, and corn, etc. Hayes & Co. 187,121; July 29; Serial No. 181,188; published May 6, 1924.
Canned tomatoes. J. De Schipper. 187,316; July 29; Serial No. 182,139; published May 20, 1924.
Canned tomatoes, hominy, sauerkraut, etc. Utah Canning Company. 187,209; July 29; Serial No. 192,867; published May 13, 1924.
Canned vegetables. Greenmount Canning Company. 187,250; July 29; Serial No. 195,168; published May 20, 1924.
Canned vegetables. Schwabacher Bros. & Co. 187,290; July 29; Serial No. 191,843; published May 20, 1924.
Cheese. United Cheese Importers, Inc. 187,252; July 29; Serial No. 195,202; published May 20, 1924.
Cheese and butter. Marré & Cia. 187,363; July 29.
Cheese, cheese and milk products. Schweizerkäse-Konserven Aktien-Gesellschaft. 187,287; July 29; Serial No. 190,856; published May 20, 1924.
Cocoa, peanut butter, table sirup, etc. Tindall, Kolbe & McDowell Co. 187,193; July 29; Serial No. 194,224; published May 13, 1924.
Coffee. Frey-Weaver Co. 187,256; July 29; Serial No. 195,442; published May 20, 1924.
Coffee. Griggs, Cooper and Company. 187,176; July 29; Serial No. 195,106; published May 20, 1924.
Coffee. Republic Coffee Company. 187,519; July 29; Serial No. 183,086; published May 6, 1924.
Coffee. South Bend Wholesale Grocery Company. 187,146; July 29; Serial No. 192,438; published May 20, 1924.
Cornstarch. Corn Products Refining Company. 187,254; July 29; Serial No. 195,334; published May 20, 1924.
Extracts, Food-flavoring. Luverne Extract Company. 187,198; July 29; Serial No. 193,937; published May 13, 1924.
Feed for livestock, Prepared. Arcady Farms Milling Company. 187,164; July 29; Serial No. 194,389; published May 13, 1924.
Feed, Stock and poultry. Washburn Crosby Company. 187,246; July 29; Serial No. 194,635; published May 13, 1924.
Feeds. Sunny South Grain Company. 187,154; July 29; Serial No. 183,949; published Jan. 15, 1924.
Flour for biscuits or shortcake, Prepared. Flako Products Corporation. 187,255; July 29; Serial No. 195,340; published May 20, 1924.
Flour, Self-rising. Colorado Milling & Elevator Company. 187,184; July 29; Serial No. 194,852; published May 20, 1924.
Flour, Wheat. Cleveland Milling Company. 187,191; July 29; Serial No. 194,434; published May 20, 1924.
Flour, Wheat. Colorado Milling & Elevator Company. 187,185; July 29; Serial No. 194,851; published May 20, 1924.
Flour, Wheat. Randolph Milling Company. 187,211; July 29; Serial No. 193,069; published May 20, 1924.
Flour, Wheat. Susuki and Company. 187,111; July 29; Serial No. 192,939; published May 13, 1924.
Flour, Wheat and rye. P. M. Leavitt. 187,151–2; July 29; Serial Nos. 182,825–6; published May 20, 1924.
Food, Cereal breakfast. Phospho Food Co. 187,359; July 29.
Foods, Poultry. Thos. Southard Poultry Supply Co. 187,297; July 29; Serial No. 167,335; published May 13, 1924.
Fruits, Fresh citrous. Glendora Mutual Orange Association. 187,210; July 29; Serial No. 192,908; published May 20, 1924.
Grapes, Table. Rumpf-Wetmore Company. 187,158; July 29; Serial No. 190,065; published May 6, 1924.
Ice cream. People's Fuel & Supply Co. 187,294; July 29; Serial No. 159,176; published June 26, 1923.
Ice cream and butter. Southern Ice & Utilities Co. 187,182; July 29; Serial No. 194,883; published May 20, 1924.
Ice-cream cups, Edible. Cone Company of America. 187,214; July 29; Serial No. 193,448; published May 13, 1924.
Macaroni, spaghetti, noodles. Foulds Milling Company. 187,199; July 29; Serial No. 193,917; published May 13, 1924.
Marmalade. James Keiller & Son, Limited. 187,215; July 29; Serial No. 193,599; published May 20, 1924.
Milk, Evaporated. Detroit Commerce Company. 187,178; July 29; Serial No. 195,055; published May 20, 1924.
Milk preparations to be used as beverages. F. Wemlinger. 187,157; July 29; Serial No. 189,995; published May 13, 1924.
Oil, Olive. Italian Stores, Inc. 187,130; July 29; Serial No. 173,832; published May 13, 1924.
Oil, Salad. R. Martorelli. 187,251; July 29; Serial No. 195,176; published May 20, 1924.
Oleomargarine. Swift and Company. 187,173; July 29; Serial No. 193,551; published May 13, 1924.
Pears, Fresh. W. B. Weston. 187,187; July 29; Serial No. 194,684; published May 20, 1924.
Peppermints. Melco Candy Co. 187,183; July 29; Serial No. 194,877; published May 20, 1924.
Peppers, Dried red. Frank Tea & Spice Co. 187,194; July 29; Serial No. 194,180; published May 13, 1924.
Potatoes. J. J. Kelly. 187,205; July 29; Serial No. 192,396; published May 20, 1924.
Sandwiches. Peoples Drug Stores, Inc. 187,244; July 29; Serial No. 194,659; published May 13, 1924.
Sauce and Welsh rarebit, Chocolate-fudge. Bunny Food Products Company. 187,192; July 29; Serial No. 194,254; published May 13, 1924.
Sirup, Table, Corn Products Refining Company. 187,289; July 29; Serial No. 191,749; published May 13, 1924.
Spaghetti and macaroni. Ohio Macaroni Company. 187,179; July 29; Serial No. 194,941; published May 20, 1924.
Vinegars. Duffy-Mott Company. 187,201; July 29; Serial No. 165,070; published Jan. 9, 1923.

CLASS 48.

Beverage, Malt cereal. Florida Brewing Co. 187,260; July 29; Serial No. 193,916; published May 20, 1924.
Malt tonic. Frederick Brothers. 187,263; July 29; Serial No. 193,825; published May 20, 1924.

CLASS 50.

Fly swatters. U. S. Manufacturing Corporation. 187,345; July 29.
Poultry separator, Automatic. Forster Automatic Poultry Separator Co. 187,337; July 29.

ALPHABETICAL LIST OF LABELS.

Arbor. For Oranges. Orangethorpe Citrus Association. 27,659; July 29.
Armistice. For Oranges. Orangethorpe Citrus Association. 27,660; July 29.
Celebration. For Oranges. Orangethorpe Citrus Association. 27,658; July 29.
Discovery. For Candy Boxes. Chas. Weinhagen & Co. 27,666; July 29.
Fernando Guarneri Exclusivo. For a Disk Record. F. Guarneri. 27,649; July 29.
Frapine. For a Preparation for Use in Malted-Milk Drinks. B. Heller & Company. 27,651; July 29.
Harris Oils and Greases—America's Leading Lubricants. For Lubricating Oils and Greases. A. W. Harris Oil Co. 27,650; July 29.
Home Made Candies. For Candies. Loft, Incorporated. 27,656; July 29.
Hu-Tan Elastic-Arch Shoe. For Shoes. Hughes & Tansey Inc. 27,652; July 29.
Lily of the Valley. For Toilet Water. A. J. Krank. 27,653; July 29.
Maple Leaf Sugar Butter. For Sugar Butter. E. E. Post Co. 27,661; July 29.
Panomalt. For Pure Barley-Malt Extract. Wander Company. 27,664; July 29.
Pine-Tonic. For a Shampoo. A. J. Krank. 27,655; July 29.
Prattlow. For Canned Peaches. Pratt-Low Preserving Company. 27,662; July 29.
Prattlow. For Canned Vegetable for Salad. Pratt-Low Preserving Company. 27,663; July 29.
Skin-Health Soap. For Toilet Soap. A. J. Krank. 27,654; July 29.
Swallows. For Candy Boxes. Chas. Weinhagen & Co. 27,665; July 29.
Thanksgiving. For Oranges. Orangethorpe Citrus Association. 27,627; July 29.
West Double Mesh Hair Net. For Hair Nets. West Electric Hair Curler Company. 27,667; July 29.
Wicks' All Around Relief Salve. For Jars Containing Medicinal Salve. Wicks Pharmacal Co. 27,668; July 29.
Wicks' All Around Relief Salve. For Boxes Containing Jars of Medicinal Salve. Wicks Pharmacal Co. 27,669; July 29.

ALPHABETICAL LIST OF PRINTS.

A distinguished coffee meets many distinguished people. For Coffee. Hills Bros. 7,511; July 29.
Alphabets. For Crackers. National Biscuit Company. 7,530; July 29.
Among the glories of the West, not the least is superb coffee. For Coffee. Hills Bros. 7,522; July 29.
At The Theater. For Estey Pipe Organs. Estey Organ Company. 7,508; July 29.
A western institution—that cup of wonderful coffee. For Coffee. Hills Bros. 7,510; July 29.
Back East they tell of scenic grandeur and "wonderful Western Coffee." For Coffee. Hills Bros. 7,525; July 29.
Dainty new desserts that do not tax digestion. For Wheat Breakfast Food. Cream of Wheat Co. 7,506; July 29.
Drink Hills Bros. Red Can Coffee, and the whole coffee-loving West drinks with you! For Coffee. Hills Bros 7,527; July 29.
Every steaming cup is an insistent invitation. For Coffee. Hills Bros. 7,520; July 29.
From far-off Old World capitals come calls for this coffee of the West! For Coffee. Hills Bros. 7,521; July 29.
From the West's homes of wealth and discrimination comes a tradition of wonderful coffee. For Coffee. Hills Bros. 7,526; July 29.
Hills Bros. Coffee grew up with the West. For Coffee. Hills Bros. 7,513; July 29.
"In all the world, no coffee like this!" For Coffee. Hills Bros. 7,514; July 29.
Johnny Ginger Says: Drink Emerson's Ginger-Mint Julep It gives you "Pep." For Beverages. Emerson Drug Company. 7,507; July 29.
K
◆ (with a representation of the King of Diamonds). For Diamonds. Helfer Bros. Co. 7,509; July 29.
The glorious West loves her glorious coffee. For Coffee. Hills Bros. 7,512; July 29.
The Spirit of 1924. For Wheat Breakfast Food. Cream of Wheat Co. 7,505; July 29.
The Spirit of the West is in every steaming cup. For Coffee. Hills Bros. 7,517; July 29.
The sun rises in the West upon a cup of coffee. For Coffee. Hills Bros. 7,515; July 29.
There's a hearty western welcome in that cup of Hills Bros. Coffee. For Coffee. Hills Bros. 7,523; July 29.
This fragrant nut-brown brew the West claims as its own. For Coffee. Hills Bros. 7,519; July 29.
Tolhurst Extractors. For Centrifugal Extractors. Tolhurst Machine Works. 7,532; July 29.
29 years after the Gold Rush came Hills Bros. Red Can Coffee. For Coffee. Hills Bros. 7,518; July 29.
When East meets West, it remembers the coffee. For Coffee. Hills Bros. 7,524; July 29.
When western hospitality first became a tradition. For Coffee. Hills Bros. 7,528; July 29.
Whipped Jell-O. For a Dessert Preparation. Jell-O Company. 7,529; July 29.
Why shouldn't the West be proud of its coffee? For Coffee. Hills Bros. 7,516; July 29.
You'll Have Better Luck With Horseshoes. For Tires. Racine Horseshoe Tire Company. 7,531; July 29.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Jewelry cases. S. Buchsbaum. 146,864; July 29.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 197,129; July 29.
Cleaning powder. Chamberlain Company. 197,801; July 29.
Compound for covering the hands. Peterson-Kintner Company. 197,341; July 29.
Cream, Shaving. United Retail Chemists Corporation. 197,635; July 29.
Polish, Shoe. R. S. Searls. 197,623; July 29.
Shaving creams and soaps. Geo. A. Schmidt & Co. 198,383; July 29.
Soap. Kerosope Company. 197,602; July 29.
Soap. Park & Tilford. 191,715; July 29.
Soap. Washee Products Corporation. 197,573; July 29.
Window cleaner. I. K. Schall. 197,777; July 29.

CLASS 5.

Core binder, Oilless. Oliess Core Binder Company. 183,849; July 29.

CLASS 6.

Ammonia. Mathieson Alkali Works. 198,018; July 29.
Bluing. John T. Stanley Co. 196,034; July 29.
Chemical composition for destroying insects. H. B. Nowlin. 198,244; July 29.
Compound, Vegetable. F. J. Traudt. 197,913; July 29.
Disinfectant, Mouth. G. S. Mandich. 197,888; July 29.
Facial clay, cold cream, and vanishing cream. Peacock Products, Not Inc. 191,908; July 29.
Hair tonic. E. Bickman. 198,051; July 29.
Hair tonic. E. De Priest. 197,997; July 29.
Lime. Ash Grove Lime and Portland Cement Company. 196,423; July 29.
Liniment, Veterinary. W. S. Lougee. 116,160; July 29.
Magnesia, Citrate of. Kleinschmidt Laboratories, Inc. 197,945; July 29.
Medical liquor. G. A. Pavich. 168,168; July 29.
Medicinal preparation and tonic for the stomach. A. E. Buenger. 193,150; July 29.
Medicine for coughs, catarrh of the stomach, etc. F. Anfinger. 197,794; July 29.
Medicines, creams, lotions, etc. A. C. Herting. 189,312; July 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ointment for use on the scalp and hair. Bickmore Company. 198,282; July 29.
Ornithological preparations. Wilson Seed and Florist Company. 178,155; July 29.
Photographic developer. Eastman Kodak Company. 198,126; July 29.
Photographic developer. Novocol Chemical Mfg. Co. 196,926; July 29.
Pills, Liver. W. O. Clayton. 197,925; July 29.
Pomade for straightening the hair. Aureola Laboratories, Inc. 180,348; July 22.
Powder, Face. L. Philippe. 191,568; July 29.
Powders and creams, tooth powders, etc., Face. Josta Laboratories. 197,543; July 29.
Powders, face creams, perfumes, etc., Face. Glebeas Importation Co. 198,178–9; July 29.
Preparation for boiling cotton fabrics. Arabol Mfg. Co. 198,208; July 29.
Preparation for cramps. G. F. Scott. 187,021; July 29.
Preparation for killing and repelling flies. F. W. Barber. 197,650; July 29.
Preparation for nervous diseases. M. Vicenzi. 191,858; July 29.
Preparation for treatment of diseases peculiar to women. S. B. Leonardi & Co. 197,670; July 29.
Preparation for yellow thrush, white thrush, or other mouth diseases. J. Waldron. 198,098; July 29.
Purgatives. Tab-U-Need Company. 197,303; July 29.
Remedy for constipation, sour stomach, etc. M. J. Vidal. 198,271; July 29.
Remedy for perspiring and aching feet. R. Dawidoff. 197,705; July 29.
Remedy for treatment of epilepsy. T. S. Van Dorin. 197,915; July 29.
Scale and rust solvents for radiators, etc. Mrs. C. Gumby. 198,571; July 29.
Shampoo. S. C. Sorensen. 196,986; July 29.
Shampoo preparation. Mrs. M. P. Fitzgerald. 181,524; July 29.
Shampoos. West Electric Hair Curler Company. 197,402; July 29.
Sizing, finishing, and detergent preparation for fabrics. Arabol Mfg. Co. 198,206; July 29.
Solutions and compounds containing germanium oxide. Grahame Chemical Company. 198,302; July 29.
Toilet water, sachet, nail powder, etc. Franklin Simon & Co. 183,996; July 29.
Vegetal. Ukemco Corporation. 197,567; July 29.
Wafers, Headache and neuralgia. A. Ackermann. 195,474; July 29.

CLASS 10.

Fertilizer. Four Seasons Fertilizer Co 192,526; July 29.

CLASS 11.

Inks, Printing. International Intaglio Corporation. 195,229; July 29.

CLASS 12.

Building elements. A. H. Tashjian. 196,775; July 29.
Fire brick in a plastic form. Laclede-Christy Clay Products Company. 197,603; July 29.
Marble and limestone. Carthage Marble and White Lime Company. 176,601; July 29.
Petroleum products for road surfacing. Benjamin Foster Company. 197,739; July 29.
Refractory materials. Seaboard Refractories Company. 197,687; July 29.

CLASS 13.

Cocks and trip levers for ball cocks, Ball. Northern Indiana Brass Company. 194,940; July 29.
Curtain rods, drapery, and window-shade hardware. Kenney Manufacturing Company. 198,069; July 29.
Nails for boots and shoes. United Shoe Machinery Corporation. 182,022–3; July 29.
Urinals, closets, drinking fountains, etc. D. A. Ebinger Sanitary Mfg. Co. 197,066; July 29.

CLASS 15.

Oil, Lubricating. A. W. Kelley. 188,757; July 29.

CLASS 17.

Cigarettes. Société Anonyme Ed. Laurens—"Le Khedive"—Extension Suisse. 198,157; July 29.
Cigars. Cuesta, Rey & Company. 198,623; July 29.
Cigars. J. Holden. 198,137; July 29.
Cigars, cigarettes, tobacco. Peoples Drug Stores, Inc. 3,913; July 29.

CLASS 19.

Automobile tops and curtains. Buob and Scheu. 197,702; July 29.

CLASS 21.

Batteries, Storage. Link & Hemrick, Inc. 196,710; July 29.
Lamps, Electric. G. Weissmann. 196,781; July 29.
Plugs, Electrical, attachment, and switch. Beaver Machine & Tool Co., Inc. 196,687; July 29.
Radio accessories. M. Kossmann. 196,814; July 29.
Radio receiving apparatus, Crystal detectors and parts thereof for. H. B. Schiller. 196,820; July 29.
Radio receiving sets. F. J. Naylor. 196,820; July 29.
Radio receiving sets and parts thereof. C. A. Tileston. 196,555; July 29.

CLASS 22.

Bladders used in footballs, etc., Stemless rubber. Seamless Rubber Company. 197,782; July 29.
Dolls. Rice-Stix Dry Goods Company. 198,326; July 29.
Dolls and toys. George Borgfeldt & Co. 198,172; July 29.
Dolls, favors, etc. E. Scavini. 184,187; July 29.
Games and toys. E. Levny. 194,874; July 29.
Games, Box. Pop Novelty Co. 194,816; July 29.
Golf balls. Goodyear Tire & Rubber Company. 196,956; July 29.
Golf balls, clubs, and bags. Frankel Bros. 181,985; July 29.

CLASS 23.

Bearings and bushings, Cast. Standard Motor Products Co. 182,773; July 29.
Bearings, axle shafts, etc. W. F. Grawey. 168,885; July 29.
Dishwashing machines. H. K. de Sherbinin. 195,503; July 29.
Floor waxers and polishers and parts thereof, Mechanical. Floor Waxer & Polisher Corporation. 196,518; July 29.
Metal-working machines and tools. National Acme Company. 196,183; July 29.
Wrenches. Lynch-Mead Manufacturing Co. 196,167; July 29.
Wrenches, Kits of socket. Keystone Manufacturing Co. 194,543; July 29.

CLASS 26.

Fermentation meters. A. J. Banks. 184,016; July 29.
Hydrometer syringes. C. Manos. 198,148; July 29.
Optical celluloid temples and celluloid fronts, metal screws, etc. Newark Novelold Co. 197,213; July 29

CLASS 31.

Filters. Suchar Process Corporation. 196,553; July 29.

CLASS 32.

Mattresses, pillows, cushions, and pads. R. H. White Company. 197,405; July 29.

CLASS 33.

Glassware. W. Urbach. 193,431; July 29.

CLASS 35.

Packing, Cork, pump and engine. Witherup Cork Packing Co. 197,124; July 29.
Piston rings. Solenberger Piston Ring Company. 196,636; July 29.
Rubber jar rings. K. W. P. Reece. 197,560; July 29.
Tires and inner tubes therefor, Pneumatic. National Tire & Rubber Company. 196,964; July 29.
Tires and tire casings and inner tubes therefor, Pneumatic rubber. Corduroy Tire Company. 197,417; July 29.
Tires and tubes. Champion Rubber Co. 197,864; July 29.

CLASS 37.

Blotters and booklets. Brown & Bigelow. 196,575; July 29.
Flat writing bindings. Milton C. Johnson Co. 196,663; July 29.
Indexes. Rand Company. 198,251–2; July 29.
Paper and mailing envelopes, Writing and printing. Carew Manufacturing Company; 198,111; July 29.
Paper, envelopes, pads, etc. Siebel-Bleistiftfabrik A. G. vorm. M. Meinetsberger & Co. 187,962; July 29.
Paper, paper towels and napkins, Toilet. Straubel Machine Company. 182,072; July 29.
Paper, Toilet tissue. National Paper Products Company. 191,555; July 29.
Paper, towels and napkins made of paper, Toilet. Fort Howard Paper Company. 197,928; July 29.
Pencils. Grafo Pencil Company. 184,445; July 29.
Sticker tape and moistening machines. A. H. Keast. 177,441; July 29.
Toy wax crayons. American Crayon Company. 198,496; July 29.
Transparent (tracing) cloth. Keuffel & Esser Company. 197,819; July 29.

CLASS 38.

Folders, Advertising. J. C. Gross. 195,578; July 29.
Magazine, Weekly. American Field Publishing Co. 197,695; July 29.
Periodical. F. J. Brown. 196,101; July 29.

CLASS 39.

Boots and shoes. L. D. Stickles Shoe Co. 196,320; July 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Brassières. Model Brassieres Co. 196,067; July 29.
Caps, Men's cloth. N. G. Coulter. 196,007; July 29.
Clothing, Men's and boys' ready-made. B. Kuppenheimer & Co. 195,111; July 29.
Clothing, Men's work. Higginbotham-Bailey-Logan Company. 197,375; July 29.
Coats, Boys' and girls'. Samuel Spitz & Sons, Inc. 179,431; July 29.
Coats, full-dress suits, etc., Sack and cutaway. D. T. Langrock, Inc. 196,528; July 29.
Coats, suits, skirts, etc., Women's. Palais Royal Inc. 196,879; July 29.
Collars, pyjamas, shirts, etc., Men's and boys'. H. Berger. 195,674; July 29.
Corsets, brassières, and underwear. Kops Bros. Inc. 197,884; July 29.
Corsets, corset waists, brassières, etc. American Lady Corset Co. 197,239; July 29.
Dresses, sweaters, and suits, Knitted. Peerless Sweater Mills, Inc. 196,618; July 29.
Footwear. L. B. Evans' Son Company. 190,877; July 29.
Furs. M. Lazow. 197,438; July 29.
Garments, Men's and boys' outer. J. W. Wein. 187,074; July 29.
Hats and caps. Union Company. 196,217; July 29.
Hats and caps, Men's. Shulman Brothers & Karber, Incorporated. 186,967; July 29.
Hats, Men's felt. Stylepark Hats, Inc. 195,662; July 29.
Hose. J. Zinsmeister & Sons. 197,977; July 29.
Hosiery. Chipman Knitting Mills. 191,531; July 29.
Hosiery. Holyoke Silk Hosiery Company. 197,599; July 29.
Hosiery. David Jacobs Corporation. 197,601; July 29.
Hosiery. O'Callaghan & Fedden, Inc. 197,952; July 29.
Hosiery. Roeper, Hanson & Neuman Co. 197,959; July 29.
Hosiery. J. P. Voorhees. 196,684; July 29.
Hosiery. J. P. Walker 197,916; July 29.
Hosiery. Y & B Hosiery Mills. 197,976; July 29.
Hosiery and underwear. Hoffman Hosiery Company. 180,008; July 29.
Hosiery and underwear. Merchants Textile Syndicate. 192,190; July 29.
Hosiery, Ladies'. Berks Knitting Company. 197,924; July 29.
Jackets, Leather. Thomson & Kelly Co. 194,032; July 29.
Lingerie, knitted underwear, etc., Women's. Wyant Way of New York, Incorporated. 195,321; July 29.
Neckties and cravats. Berkley Knitting Company. 181,668; July 29.
Neckties and mufflers, Knitted. Franklin Knitting Mills, Inc. 194,266; July 29.
Overcoats, Men's. Score's Balaclava Limited. 193,475; July 29.
Overcoats, Men's and children's. Cohen, Goldman & Co. 196,694; July 29.
Patches, Inside. W. Dreiginas. 196,516; July 29.
Shirts. Schott Bros. 197,963; July 29.
Shirts, Dress, negligee, and work. William R. Moore Dry Goods Company. 198,021; July 29.
Shirts, gowns, and pyjamas, Dress. Carleton Dry Goods Co. 197,323; July 29.
Shirts, Men's flannel negligee. I. H. Barnett & Brother. 197,353; July 29.
Shirts, work coats, and overalls. Signal Shirt Company. 195,306; July 29.
Shoes. E. C. Till. 193,639; July 29.
Suits and overcoats for males. Driesen, Meyer & Oronsky. 197,424; July 29.
Suits, dresses, sweaters, etc., Sport. Royal-Ascot Knitting Mills Company. 196,196; July 29.
Suits, hosiery, underwear, etc., Play. Smith Beir & Gormly. 188,331; July 29.
Suspenders and garters. Ivory Garter Company. 195,399; July 29.
Sweaters, caps, scarfs, etc. Highland Shaker Sweater Co. 196,387; July 29.
Topcoats, overcoats, coats, etc., Men's. D. Levine. 197,159; July 29.
Undergarments for children. La Mode Garment Co. 197,284; July 29.
Underpetticoats, kimonos, etc., Children's. D. W. Kaatze Co. 183,796; July 29.
Underwear, hosiery, sweaters, sweater vests. Lester Reis & Co. 196,194; July 29.
Underwear, Knit. Robitscher & Daum. 171,234; July 29.
Underwear, Ladies' and children's. M. Louis. 197,286; July 29.
Underwear, Silk. Samuel N. Magill, Inc. 171,372; July 29.
Underwear, Women's knitted. Portage Underwear Manufacturing Company. 194,216; July 29.

CLASS 40.

Flowers, Artificial. Veterans of Foreign Wars of the United States. 197,345; July 29.

CLASS 41.

Umbrellas and parasols. Fred A. Wish, Incorporated. 197,233; July 29.

CLASS 42.

Draperies. Aracoma Drapery Fabrics, Incorporated. 196,784–5; July 29.
Hair nets. Bonnie-B Co. 197,798; July 29.
Hair nets. West Electric Hair Curler Company. 197,403; July 29.
Handkerchiefs. York Street Flax Spinning Co. 195,997; July 29.
Towels, Turkish. H. W. Baker Linen Company. 197,796; July 29.

CLASS 44.

Pessary. Bee Cell Co. 197,651; July 29.
Sanitary belts, aprons, and bloomers, hot-water bottles and syringes. The Fair. 176,018; July 29.
Toothbrush sterilizers. Thompson Germicidal Sterilizer Co. 197,630; July 29.

CLASS 45.

Beverages. N. Theodore. 196,213; July 29.
Mineral waters, gases, powders, and salts for mineral waters, and condensates of said salts. Agua Imperial, Sociedad Anonima. 197,792; July 29.
Waters purified by electrolysis, etc., Drinking. H. R. Jourdan. 193,598; July 29.

CLASS 46.

Bakery products of a pretzellike nature. Pretz Sticks Baking Company. 197,392; July 29.
Bread and cake. Ward Baking Company. 185,733; July 29.
Butter. Aberdeen Creamery Company. 197,856; July 29.
Butter. A. F. Thibodeau Company. 198,485; July 29.
Butter and eggs. S. G. Burton. 197,130; July 29.
Cake. Pennant Baking Company. 192,147; July 29.
Cakes, chocolates, candies, and pastry. Ossar Piesninger, Inc. 197,449; July 29.
Candy. G. A. Deatel. 193,994; July 29.
Candy. Paul Freund, Inc. 198,177; July 29.
Candy. Jos. B. Funke Company. 197,369; July 29.
Candy and confectionery. Golden Nugget Sweets. 196,737; July 29.
Candy and confections. F. A. Martoccio Macaroni Co. 197,549; July 29.
Candy bars. F. A. Martoccio Macaroni Co. 197,547-8; July 29.
Canned beans, blackberries, and salmon. Allen & Hendrickson Packing Co. 197,238; July 29.
Canned corn. Iowa City Canning Co. 183,712; July 29.
Canned fruit. R. E. Stahlbaum. 191,987; July 29.
Canned peas and sauerkraut. Big Four Canning Co. 197,356; July 29.
Canned peppers. Pomona Products Company. 180,775; July 29.
Canned pineapple. Honolulu Fruit Company. 195,398; July 29.
Canned sardines. Iwan Burger, Inc. 197,414–5; July 29.
Canned tunny and sardines. M. A. Rex. 197,907; July 29.
Cheese. Silberman Bros., Inc. 194,739; July 29.
Chocolate. Ambrosia Chocolate Company. 195,936; July 29.
Chocolate. Eline's Incorporated. 198,294; July 29.
Chocolate-covered wafer. Thomas-Daggett Company. 197,969; July 29.
Cocoa. N. V. Stoom Chocolade & Cacaofabriek "Kwatta." 187,699; July 29.
Coffee, teas, spices. Milo Coffee Co. 197,892; July 29.
Cooking or shortening compound. Higgins Manufacturing Company. 196,300; July 29.
Eggs and butter. W. S. Kitchell Company. 198,312; July 29.
Eggs in cans, Broken. Detroit Butter & Egg Co. 191,372; July 29.
Farm products. W. W. Williamson. 193,204; July 29.
Feed. Security Mills. 192,221; July 29.
Feed. F. W. Simpson. 196,829; July 29.
Feed, Medicinal mineralized. E. Rbine. 196,762; July 29.
Flour, Wheat. Ballard & Ballard Co. 181,629–30; July 29.
Flour, Wheat. Humboldt Milling Company. 197,937; July 29.
Flour, Wheat. Morten Milling Company. 198,195; July 29.
Fruits and nuts. Orangethorpe Citrus Association. 196,187–8; July 29.
Fruits and vegetables, Fresh. Garcia & Maggini Co. 182,300; July 29.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 197,955–7; July 29.
Fruits, Fresh citrous. Strathmore Orange Groves Co. 198,161; July 29.
Fruits, nuts, cantaloupes. Orangethorpe Citrus Association. 196,189; July 29.
Ham, bacon, corned beef, etc. Fischer Meat Co. 167,240; July 29.
Ice cream. Niser Ice Cream Company. 197,676; July 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ice cream, etc., Edible containers for. Zeerro Waffle Company. 197,789; July 29.
Malt extract for food purposes. L. Pohajda. 180,887; July 29.
Mayonnaise. Bryan-Keefe & Co. 198,222; July 29.
Mincemeat, lemon, butter, pork pies, etc. E. S. Tebbutt. 194,031; July 29.
Oil, Olive. Salvatore Esposito & Bros. 197,870; July 29.
Peanut candy cake. J. J. M. Carametos. 173,349; July 29.
Pie-crust composition. M. G. Gardner. 197,930; July 29.
Poultry. H. R. Lukert. 197,887; July 29.
Sandwiches. Mrs. Zorn's Junior Club Sandwiches. 197,978; July 29.
Sirup for food purposes, Malt. H. H. Schneider. 195,541; July 29.
Spices. Van Loan & Company. 195,557; July 29.

CLASS 49.

Whisky. A. R. Florita. 194,344; July 29.

CLASS 50.

Bottle caps. Parke, Davis & Company. 197,617; July 29.
Rubber piece goods C. B. Johnes. 197,759; July 29.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aborn, George P., Brookline, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed-water-heating system. 1,503,082; July 29.
Ackerman, Edward, New York, N. Y. Vehicle curtain. 1,503,101; July 29.
Acorn Wire & Iron Works. (See Kitzelman, Frank, assignor.)
Adamac, Frank, Laurelton, assignor to R. Felix, New York, N. Y. Base for lamps or the like. Des. 65,317; July 29.
Addograph Company. (See Crawley, Mansfield C., assignor.)
Advance Products Corporation. (See Lippert, A. C., and Sinko, assignors.)
Aggers, Samuel A., Denver, Colo. Hook. 1,502,706; July 29.
Agricola, Herman A., jr., assignor of forty-nine per cent to J. E. Lane, Atlanta, Ga. Attachment for printing presses. 1,503,222; July 29.
Ainsworth, Harry G., Kentland, Ind. Inwardly-operating door-control mechanism. 1,502,707; July 29.
Airgas Burner Company, The. (See Blanchard, Thomas R., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Ekström, G. C., Johnson, and Örström, assignors.)
Allain, Jacques, Montreal, Quebec, Canada. Padlock. 1,503,341; July 29.
Allan, William G., assignor to The Toronto Power Company, Limited, Toronto, Canada. Electrode. 1,502,708; July 29.
Allen, John M., St. Johnsbury, Vt. Auto lock. 1,502,933; July 29.
Allgemeine Elektricitäts-Gesellschaft. (See Münzinger, Friedrich, assignor.)
Alsted, Edward P., Truesdell, Wis. Ring-wheel chuck. 1,503,102; July 29.
Alvord, Earl B., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making sodium sulphide. 1,503,013; July 29.
Amend, George C., Des Moines, Iowa. Combined cooler display case and refrigerator. 1,502,972; July 29.
American Arch Company. (See Denney, Guy C., assignor.)
American Lead Pencil Company. (See Kubler, Edwin C., assignor.)
American Narrow Fabric Company. (See Brown, Arnold V., assignor.)
American Saw and Manufacturing Company. (See Ericson, Carl L., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Tube and Stamping Company, The. (See Armstrong, Walter G., assignor.)
American Voith Contact Company. (See Priem, Paul, assignor.)
American Wiremold Company. (See Murphy, Daniel H., assignor.)
Amey, John, Long Island City, N. Y., and F. W. Becker, Rutherford, N. J. Luggage carrier. 1,503,083; July 29.
Anderson, Harry T. (See Hausson, Soren, assignor.)
Anderson Manufacturing Company. (See Anderson, Oscar F., assignor.)
Anderson, Oscar F., Somerville, assignor to Anderson Manufacturing Company, Everett, Mass. Spring cover for automobiles. 1,502,649; July 29.
Angelillo, Salvatore, Plantsville, Conn. Tire chain. 1,503,292; July 29.
Anschutz, John, Washington, D. C. Bread toaster. 1,502,894; July 29.
Ansco Photoproducts, Inc. (See Clark, E. C., and Polhemus, assignors.)
Antilotti, William A., and E. C. Jones, Atlanta, Ga. Demountable-rim lug. 1,503,342; July 29.
Archer, John F., Trinidad, Colo. Automobile signal. 1,503,103; July 29.
Armstrong, Edwin H. (See Pupin, M. I., and Armstrong.)
Armstrong, James P., and J. V. Armstrong, Lancaster, N. Y. Clock escapement. 1,503,104; July 29.
Armstrong, Joseph V. (See Armstrong, James P. and J. V.)
Armstrong, Percy A. E., Londonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Carburizing box and the like and making same. 1,502,973; July 29.
Armstrong, Walter G., assignor to The American Tube and Stamping Company, Bridgeport, Conn. Lifting jack. 1,503,343; July 29.
Arnstein, Karl, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Skeleton framework construction for airships and the like. 1,503,293; July 29.
Aronson, Louis V., Newark, N. J. Cigar clipper and lighter. 1,502,974; July 29.
Ashe, William O., Yonkers, assignor to Nathan Manufacturing Company, New York, N. Y. Gauge cock. 1,502,650; July 29.
Assmann, Frank A., jr., Chicago, Ill., assignor to Continental Can Company, Syracuse, N. Y. Strip-sealed container. 1,503,256; July 29.
Astrom, John L., assignor to Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. Mounting for deep-well-pump heads. 1,502,651; July 29.
Atlas Railway Signal Company. (See Loughridge, Matthew H., assignor.)
Austin, Charles U. (See Parker, F. B., and Austin.)
Autographic Register Co. (See Oliver, Walter E., assignor.)
Automatic Electric Company. (See Ray, Arthur J., assignor.)
Babcock, Fletcher F., Parsons, Kans. Metal-boring tool. 1,502,652; July 29.
Bailey, Prentiss, New Hartford, N. Y. Baler. 1,503,183; July 29.
Bailey, Stephen L., Bristol, England. Saddle. 1,502,975; July 29.
Bain, Forée, La Grange, Ill. Wrench. 1,503,084; July 29.
Baird, Andrew H., Edinburgh, Scotland. Universal clamp. 1,503,344; July 29.
Baird, Hansel S., Denver, Colo. Back for brushes. 1,503,014; July 29.
Bakelite Corporation. (See Turkington, Victor H., assignor.)
Baleker, Martin, assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Pressure pad. 1,503,105; July 29.
Baldwin, Clarence K., Chicago, Ill., assignor to Robins Conveying Belt Company. Apparatus for quenching coke. 1,502,977; July 29.
Baldwin, Clarence K., Chicago, Ill., and M. J. Pos, New York, N. Y., assignors to Robins Conveying Belt Company. Troughing support for conveyer belts. 1,502,976; July 29.
Balfour, Guthrie & Company. (See Jones, Paul R., assignor.)
Barber, William J., East Cleveland, assignor to The E. & N. Manufacturing Company, Cleveland, Ohio. Child's vehicle. 1,502,838; July 29.
Barber, William J., East Cleveland, assignor to The E. & G. Manufacturing Company, Cleveland, Ohio. Child's vehicle. 1,502,839; July 29.
Barene, Otto E., Brooklyn, N. Y. Triple-mast coal hoist. 1,503,106; July 29.
Barnard, John A., Philadelphia, Pa. Jet agitator for fuel-feeding devices. 1,502,760; July 29.
Barneby, Oscar L., Cleveland, Ohio. Apparatus for treating gases. 1,502,895; July 29.
Barneby, Oscar L., Detroit, Mich. Utilization of vegetable materials and manufacture of gas adsorbent and decolorizing carbons. 1,502,896; July 29.
Barneby, Oscar L., Columbus, Ohio. Apparatus for separating and recovering gases. 1,502,897; July 29.
Barnett, Abraham B., Roanoke, Va. Means for testing track circuits. 1,502,934; July 29.
Barnstead, Sidney G., Cambridge, Mass. Receptacle cover. 1,503,015; July 29.
Bart, Belle, New York, N. Y. Astrological chart. 1,502,761; July 29.
Barton, George A., Kansas City, Mo. Bottle holder. 1,503,016; July 29.
Baruch, Samuel, New York, N. Y. Brassière. 1,502,762; July 29.
Basky, Anton, New York, N. Y. Pointing machine. 1,503,017; July 29.
Bassler, Robert E., Brooklyn, N. Y. Aircraft-arresting device. 1,502,653; July 29.
Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Dispensing apparatus. 1,503,107; July 29.

Bauer, Frederick, Milwaukee, Wis. Automobile signal. 1,503,108; July 29.
Beard, Charles L., Chester, Pa. Electric clock. 1,502,840; July 29.
Beard, John E., Kansas City, Mo. Automobile brake. 1,503,412; July 29.
Beaver Products Company, The. (See Robinson, Charles G., assignor.)
Beck, Albert, assignor to McGill Metal Products Company, Chicago, Ill. Change maker. 1,502,709; July 29.
Beck, Albert, Chicago, Ill., assignor to McGill Metal Products Company. Change carrier. 1,502,710; July 29.
Becker, Frederick W. (See Amey, John, assignor.)
Bee, Francis X., Philadelphia, Pa. Coin detector for vending machines. 1,503,223; July 29.
Beechler, Arthur J., and G. L. McKay, Detroit, Mich. Screen and storm window. 1,503,018; July 29.
Behn, Guido G., assignor to Essex Motors, Detroit, Mich. Speedometer drive. 1,502,841; July 29.
Behrman, Alfred H. (See Phoenix, F. I., and Behrman.)
Beiswenger, Jacob C., Jackson, Mich. Cutout for exhaust pipes. 1,502,842; July 29.
Bell & Howell Company. (See Howell, Albert S., assignor.)
Bell & Howell Company. (See McNabb, Joseph H., assignor.)
Bellocchio, John, New York, N. Y. Window ventilator. 1,503,109; July 29.
Berg, Albert R., Rochester, N. Y. Micrometer gauge. 1,502,806; July 29.
Berg, Frederick O., Spokane, Wash. Tent. 1,502,898; July 29.
Berger, Christian, New York, N. Y. Catalytic heating method and apparatus. 1,502,807; July 29.
Berger, Frank, Stoughton, Wis. Cooking utensil. 1,502,843; July 29.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Work-supporting arm for sewing machines. 1,503,258; July 29.
Bergve, Einar, Skolen, near Christiania, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Production of concentrated nitric acid. 1,503,259; July 29.
Berlin, Harry S., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 65,318; July 29.
Bernardini, Samuel F., and P. Della Casse, Cuddy, Pa. Cuff button. 1,502,899; July 29.
Bernstrom, Harry W., Edgewood, R. I. Combined reenforce and leveler. 1,503,148; July 29.
Bingham, Tom, Montreal, Quebec, Canada. Indicator. 1,503,345; July 29.
Bingman, Frederick P., assignor to Fisher Body Corporation, Detroit, Mich. Painting booth. 1,502,844; July 29.
Bingman, Harry B., Robinson, Kans. Attachment for corn shellers. 1,503,149; July 29.
Bishop, William G., Oklahoma City, Okla. Game. 1,503,294; July 29.
Bixler, Lewis S., assignor to Kenton Hardware Co., Kenton, Ohio. Toy auto circus calliope. Des. 65,319; July 29.
Bixler, Lewis S., assignor to Kenton Hardware Co., Kenton, Ohio. Toy auto circus animal cage. Des. 65,320; July 29.
Blache, Walter C., Englewood, N. J. Racket. 1,502,845; July 29.
Blackstone Manufacturing Company. See Oberg, Gunnard A., assignor.)
Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill. Portable antioffset device. 1,503,224; July 29.
Blake, Elf J., Buffalo, N. Y., assignor to Gould Coupler Company. Regulator. 1,503,085; July 29.
Blake, Elf J., Buffalo, N. Y., assignor to Gould Coupler Company. Generator suspension. 1,503,086; July 29.
Blanchard, Thomas R., assignor, by mesne assignments, to The Airgas Burner Company, Minneapolis, Minn. Device for controlling the flow of gases. 1,502,654; July 29.
Blore, Bernard W., Norwalk, Conn., assignor to Connecticut Lace Works, Inc. Lace. Des. 65,321; July 29.
Blumer, Edward, Dayton, Ohio. Windshield cleaner. 1,503,346; July 29.
Bohrer, August, Jersey City, N. J. Shade and curtain bracket. 1,502,935; July 29.
Bolton, Wright, jr., New Bedford, and N. M. Paull, Fairhaven, Mass. Ceiling rosette. 1,502,655; July 29.
Bombardi, John, Rosebank, N. Y. Unloading apparatus. 1,503,019; July 29.
Bongers, Arnold H., assignor of one-half to G. Boudou, London, England. Hairdressing appliance. 1,503,295; July 29.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,502,656; July 29.
Borcherdt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Apparatus for trenting pulps. 1,502,657; July 29.
Borroughs, Joseph N., Oakland, Calif. Soap dispenser and container. 1,502,936; July 29.
Boudou, Gaston. (See Bongers, Arnold H., assignor.)
Bousquet, William J., Springfield, Mass., assignor, by mesne assignments, to S. Sisisky, Thompsonville, Conn. Vending machine. 1,503,260; July 29.
Bowen, John M., Newark, N. J. Cleaning implement. 1,503,449; July 29.
Bowman, Wm. I. (See Crawford, James T., assignor.)
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,322; July 29.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,323; July 29.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,324; July 29.
Boyd, John S., Co. (See Boyd, John S., assignor.)
Bradley, Edward, Ogden, Ill. Pipe wrench. 1,503,296; July 29.
Bremner, Maurice D. K., Chicago, Ill. Protective envelope for garments. 1,503,460; July 29.
Breon, Cora L. (See Breon, Maurice P., assignor.)
Breon, Maurice P., assignor to C. L. Breon, Newport News, Va. Tire-removing machine. 1,503,225; July 29.
Brigner, Wesley J., Grano, N. Dak. Gate. 1,502,937; July 29.
Briles, Larkin, Davis Creek, Calif. Wrench. 1,502,900; July 29.
Bristow, Bruce A., Toronto, Ontario, Canada. Hydraulic power device. 1,502,901; July 29.
Brockbank, Clarence G., Philadelphia, Pa., assignor to Ross-Taconv Crucible Company. Refractory article and making the same. 1,503,150; July 29.
Broughton, Walter C., Kansas City, Mo. Sectional roof. 1,503,110; July 29.
Broussouse, Fernand L., Paris, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor of air and other fluids. 1,503,261; July 29.
Brower, Arthur T. (See Clark, E. C., and Brower.)
Brown, Abraham J., Reading, Pa. Charm. Des. 65,325; July 29.
Brown, Arnold V., Worcester, Mass., assignor to American Narrow Fabric Company. Buckle base. 1,503,020; July 29.
Brown, Arthur J., New York, N. Y. Lifting jack. 1,503,087; July 29.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Weft feeler for looms. 1,503,413; July 29.
Brown, Charles J., River Falls, Wis. Mechanical toy. 1,503,262; July 29.
Brown, Harold M., assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,503,021; July 29.
Brown, John R., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Water column. 1,502,808; July 29.
Brown, Lee R., Chickasha, Okla. Cloth-measuring machine. 1,502,902; July 29.
Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Metal-working machine. 1,503,111; July 29.
Browning, John M., Ogden, Utah. Firearm. 1,502,658; July 29.
Bruhn, Henry F., Herndon, Kans. Attachment for tractors. 1,503,348; July 29.
Brunell, Homer A. (See Burtnett, Everett R., assignor.)
Brunes, August, Pequot, Minn. Ice-cream-can lifter. 1,503,347; July 29.
Brunswick-Balke-Collender Company, The. (See Drost, Thomas, assignor.)
Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company, Inc. Engine mounting for steam-propelled vehicles. 1,502,978; July 29.
Bryan Harvester Company. (See Bryan, George A., assignor.)
Bryant, Harriet C., Potsdam, N. Y. Card-table cover. 1,503,088; July 29.
Bugbee, Lucian W., Indianapolis, Ind. Pencil and making the same. 1,502,763; July 29.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,503,022; July 29.
Burrows, Charles W., New York, N. Y. Holding attachment for sound receivers. 1,503,226; July 29.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,503,184; July 29.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Piston-valve structure for internal-combustion engines. 1,503,185; July 29.
Buscham, C. A., Mfg. Co. (See Buscham, Christian A., assignor.)
Buscham, Christian A., assignor to C. A. Buscham Mfg. Co., Irvington, N. J. Vanity case. 1,503,112; July 29.
Butler, Frank L., Chicago, Ill. Insulated coupling for electric fixtures. 1,502,938; July 29.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanizing rubber with condensation products of ammonia and aldehydes as accelerators. 1,503,113; July 29.
Cagle, James G., Marion, Ill. Groundworking member. 1,502,711; July 29.
Cahalane, Daniel C., Hillsdale, N. J. Inkstand. Des. 65,326; July 29.
Calagans, Willie, Gary, Ind. Aeroplane. 1,503,297; July 29.
Callahan, Michael J., New York, N. Y. Ventilating unit. 1,503,089; July 29.

Campbell, Daniel, Philadelphia, Pa. Vehicle lamp 1,503,114; July 29.
Campbell, John A., Carbondale, Ill. Hatrack for automobiles. 1,503,298; July 29.
Campbell, Wilfred, Schenectady, N. Y., assignor to General Electric Company. Steam-turbine rotor and avoiding wave phenomena therein. 1,502,903; July 29.
Campbell, Wilfred, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine rotor and avoiding tangential buckets vibration therein. 1,502,904; July 29.
Canon, Glen L., Carson, Iowa. Calculator. 1,503,299; July 29.
Carbide and Carbon Chemicals Corporation. (See Curme, Henry R., assignor.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,503,090; July 29.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Magnetic blow-out device. 1,503,091; July 29.
Carlson, Gustav W., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Lubrication of automotive vehicle knuckles. 1,502,659; July 29.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making articles of pressed metal. 1,503,023; July 29.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Sheet-metal rocker arm and making the same. 1,503,263; July 29.
Carnes, Joseph F., Ceresco, and J. F. Halder, Battle Creek, Mich. Machine for mining or recovering marl and the like. 1,502,660; July 29.
Carr, Edward G., Milwaukee, Wis., assignor to The Lakewood Engineering Company, Cleveland, Ohio. Construction car. 1,502,846; July 29.
Carr Fastener Company. (See Elwell, George H., assignor.)
Carter, Lionel A., St. Louis, Mo. Lathe. 1,503,115; July 29.
Carter, Robert A., jr., Bay Ridge, Brooklyn, N. Y. Method of and apparatus for automatic cleaning and automatic control of mechanical grates. 1,503,092; July 29.
Carver, Ernest E. (See Marrian, H. H. B., and Carver.)
Case, George A., Joplin, Mo. Pneumatic vehicle drive. 1,503,264; July 29.
Casse, Paris D. (See Bernardini, S. F., and Casse.)
Catlin, Robert M., Franklin, N. J., assignor to Catlin Shale Products Company, Wilmington, Del. Shale-distillation apparatus. 1,503,093; July 29.
Catlin Shale Products Company. (See Catlin, Robert M., assignor.)
Celite Company, The. (See Ritchie, Charles F., assignor.)
Chapatte, Julia, Tuxedo Park, N. Y. Automatic hand knitting machine. 1,503,024; July 29.
Chappell, William R. (See Poole, Amos R., assignor.)
Chard, Lodge Y., Newcastle, Ind. Multiple-purpose tool holder. 1,502,712; July 29.
Chase, Elroy A., Northfield, Vt. Granite-working tool. 1,503,026; July 29.
Chassernaux, Emile, Paris, France. Flash-light apparatus. 1,502,939; July 29.
Chicago Pneumatic Tool Company. (See Page, Clarence, assignor.)
Chicago Railway Equipment Company. (See Janus, William, assignor.)
Chipman, Paul, Detroit, Mich. Filing receptacle. 1,503,227; July 29.
Christensen, Christen, assignor to Electrical Engineers Equipment Co., Chicago, Ill. Fuse and mounting. 1,503,228; July 29.
Christiansen, Lawrence P., Iron Mountain, Mich. Two-tooth setter. 1,503,151; July 29.
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Citizens of the United States of America. (See Townsend, James S., assignor.)
Clark, Edwin C., Canton, and A. T. Brower, Cleveland, Ohio. Tone modifiers for phonographs. 1,502,764; July 29.
Clark, Ezra C., Binghamton, and J. F. Polhemus, Johnson City, assignors, by mesne assignments, to Ansco Photoproducts, Inc., New York, N. Y. Automatic film-winding camera. 1,503,300; July 29.
Clark, Louis F., Potrerillos, Chile. Treating solutions of metals. 1,503,229; July 29.
Clay, John A., assignor of one-half to R. H. Hull, Miami, Fla. Automobile wrench. 1,503,349; July 29.
Cleary, Thomas J., deceased, and G. F. Quinn, Pittsburgh, Pa.; I. C. Treacy, administratrix. Gas regulator. 1,503,301; July 29.
Closure Service Company, The. (See Dalrymple, Frank M., assignor.)
Cocanari, Silvio, Antwerp, assignor to Gevaert Photo-Producten, N. V., Oude-God, near Antwerp, Belgium. Photographic apparatus. 1,503,302; July 29.
Colgin, Saladine E., Dallas, Tex. Compound for curing and coloring meats. 1,502,905; July 29.
Collier, Barron G., Inc. (See Johnston, Richard A., assignor.)
Collier, David H., Nevins Township, Vigo County, Ind. Vehicle side curtain. 1,503,303; July 29.
Collins, George D., et al. (See Smith, Louie F., assignor.)
Collins, George R., Chicago, Ill. Cosmetic jar. Des. 65,327; July 29.
Collins, Myron, et al. (See Smith, Louie F., assignor.)
Collins, Thomas. (See Cook, J. W., and Collins.)
Collins, Walter H., Summit, N. J. Drinking fountain. 1,502,847; July 29.
Columbia Phonograph Company. (See Feltner, James E., assignor.)
Comiskey, Richard M., Quincy, Ill. Cylinder. 1,502,906; July 29.
Concrete Steel Company. (See Curley, James F., assignor.)
Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)
Conley, Kurt H., Bridgeport, Conn. Power transmission for electric-current generators. 1,503,116; July 29.
Connecticut Lace Works, Inc. (See Blore, Bernard W., assignor.)
Connors, Cornelius J., Los Angeles, Calif. Auto lock. 1,502,809; July 29.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tuning system of antennæ. 1,502,848; July 29.
Constant Heat Pack Corporation. (See Perrault, Oscar L., assignor.)
Continental Can Company. (See Assmann, Frank A., jr., assignor.)
Conwell, L. R. (See Hornecker, George, assignor.)
Cook & Co., Manchester Limited. (See Cook, J. W., and Collins, assignors.)
Cook, John W., Manchester, and T. Collins, Hale, near Manchester, assignors to Cook & Co., Manchester Limited, Manchester, England. Knot-tying apparatus. 1,502,713; July 29.
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray device. 1,502,907; July 29.
Copeland, Robert J., Toronto, Ontario, Canada. Book cover. 1,502,979; July 29.
Corona Typewriter Company, Inc. (See Brown, Harold M., assignor.)
Covert, Martin B., Indianapolis, Ind. Fitting pistons. 1,502,765; July 29.
Covich, Louis D., et al. (See Lee, Harry G., assignor.)
Cox, Herbert T., Long Beach, Calif. Automobile direction indicator. 1,502,940; July 29.
Cozatt, Commodore P., Danville, Ill. Spring wheel. 1,502,908; July 29.
Craig, Emmett T., and C. F. Sills, Memphis, Tenn. Tractor-wheel tread. 1,502,752; July 29.
Cramer, Stuart W., jr., Philadelphia, Pa., assignor to Cramerton Mills, Incorporated. Warp condenser. 1,503,094; July 29.
Cramerton Mills, Incorporated. (See Cramer, Stuart W., jr., assignor.)
Cramp, William, & Sons Ship and Engine Building Company. (See Overn, John, jr., assignor.)
Crawford, Earl A., and G. P. La Mere, Hudson Falls, N. Y. Bib. 1,503,117; July 29.
Crawford, James T., Marigold, assignor of one-half to W. I. Bowman, Bogue Chitto, Miss. Cultivator attachment. 1,503,414; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,027; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,028; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,029; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,030; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,031; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,032; July 29.
Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,503,033; July 29.
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
Crumley, James A., assignor of one-third to E. L. Keller, Charleston, W. Va. Pumping rig. 1,502,714; July 29.
Crumley, James A., assignor of one-third to E. L. Keller, Charleston, W. Va. Bull wheel and mounting therefor. 1,502,715; July 29.
Crumley, Le Roy A., New York, N. Y., assignor to The Rogers Silver Plate Co. Lighting-fixture part. Des. 65,328; July 29.
Crumley, Le Roy A., New York, N. Y., assignor to The Rogers Silver Plate Co. Lighting-fixture part. Des. 65,329; July 29.
Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Spool construction. 1,502,980; July 29.
Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)

Curley, James F., Yonkers, assignor to Concrete Steel Company, New York, N. Y. Insert for concrete construction. 1,502,766; July 29.

Curme, Henry R., Clendenin, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Oxidizing dibenzyl. 1,502,941; July 29.

Currier, Hiram D., Chicago, and G. R. Eaton, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,503,095; July 29.

Currier, Hiram D., Chicago, and G. R. Eaton, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Call-distributing system. 1,503,096; July 29.

Curtis, Kenneth L., New York, N. Y. Refrigerating. 1,503,456; July 29.

Curtis, Kenneth L., New York, N. Y. Refrigerating apparatus. 1,503,457; July 29.

Curtis, Kenneth L., New York, N. Y. Pump. 1,503,458; July 29.

Cutler-Hammer Mfg. Co., The. (See Reed, Harrison P., assignor.)

Cutler-Hammer Mfg. Co., The. (See Stoekle, Erwin R., assignor.)

Cutler, Orlin J. (See Gilbert, Israel B., assignor.)

Dahlberg, C. F. (See Munroe, Treadway B., assignor.)

Dahlberg, C. F. (See Shaw, John K., assignor.)

Dalrymple, Frank M., Brooklyn, N. Y., assignor, by mesne assignments, to The Closure Service Company. Capping machine. 1,503,034; July 29.

Daly, John J., Newton Center, Mass. Shoe. 1,502,716; July 29.

Damon, George B., Belvidere, N. J., assignor of one-half to Vulcan Iron Works, Wilkes-Barre, Pa. Briquetting. 1,503,304; July 29.

Daving, Joseph, Brooklyn, N. Y. Bracelet watch. 1,503,097; July 29.

Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,503,035; July 29.

Davis, Thomas A., assignor of one-half to O. Sims, Paris, Ill. Cuff fastener. 1,503,230; July 29.

Davis, William, Chicago, Ill. Power transmitter. 1,502,767; July 29.

Davis, William R., assignor of one-half to T. Tweddle, Toronto, Ontario, Canada. Safety bank check. 1,502,981; July 29.

Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)

De Clairmont, Adolfo, Toledo, Ohio. Spark plug. 1,502,768; July 29.

Deere & Company. (See Silver, Walter H., assignor.)

Deflassieux, Fleury, Paris, France, assignor to General Electric Company. Asynchronous motor. 1,502,909; July 29.

Delco-Light Company. (See Joy, Henry B., assignor.)

Delco-Light Company. (See McLuen, Charles L., assignor.)

De Leeuw, Adolph L., Plainfield, N. J. Sink trap. 1,503,118; July 29.

Delevoye, Robert E. C., Paris, and E. A. F. Dumaine, Neuilly-sur-Seine, assignors to Société Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France. Brake-actuating mechanism. 1,503,350; July 29.

Dennedy, James H., Detroit, Mich. Electric switch. 1,502,717; July 29.

Denney, Guy C., Hinsdale, Ill., assignor to American Arch Company. Arch construction for fire boxes. 1,503,231; July 29.

Depalm, Anton, Cambria, Ill. Stump puller. 1,503,036; July 29.

Dick, Ralph H., assignor to The Safe-Cabinet Company, Marietta, Ohio. Vault. 1,502,982; July 29.

Di Cossimo, Pietro, West Pittsburg, Pa. Multigraphing machine. 1,502,810; July 29.

Diefenthäler, Philipp A., Heidelberg, assignor to the Firm Heinrich Lanz, Mannheim, Baden, Germany. Production of gray cast iron. 1,502 983; July 29.

Dieges & Clust. (See Dieges, Charles J., assignor.)

Dieges, Charles J., assignor to Dieges & Clust, New York, N. Y. Ring. Des. 65,330; July 29.

Dietrick, Matthias A., Patton, Pa. Window screen. 1,503,037; July 29.

Dilas, Harry, Bay City, Mich. Combined candy box and receptacle file. 1,502,910; July 29.

Distance Speed Recording Company. (See Wallbillich, Anthony F., assignor.)

Dixton, H. L., Company. (See Sterrett, Walter R., assignor.)

Dodds, Ethan I. (See Flannery, J. R., and Dodds.)

Doern, William G., Milwaukee, Wis. Evaporating apparatus. 1,502,911; July 29.

Dolaro, Benjamin B., New York, N. Y. Window-cleaner's scaffold and chair. 1,503,305; July 29.

Dominick, Franklin, New York, N. Y. Plug attachment. 1,503,306; July 29.

Downie, John D., Winnipeg, Manitoba, Canada. Washing machine. 1,502,942; July 29.

Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Steel-barrel making. 1,503,038; July 29.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Hull, Alfred A., assignor.)

Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)

Dreis, Edward J., San Francisco, Calif. Punch press. 1,503,119; July 29.

Droll, Joseph W., Chicago, Ill., assignor to Droll Patents Corporation of Delaware. Mattress-roll-forming mechanism. 1,503,351; July 29.

Droll, Joseph W., Chicago, Ill., assignor to Droll Patents Corporation of Delaware. Mattress-beating machine. 1,503,352; July 29.

Droll Patents Corporation of Delaware. (See Droll, Joseph W., assignor.)

Drost, Thomas, Elmhurst, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Cue rack. 1,503,120; July 29.

Dugon, Alexander L., London, England. Recording pressure gauge, indicator, and other measuring instrument. 1,503,353; July 29.

Dumaine, Emile A. F. (See Delevoye, R. E. C., and Dumaine.)

Dunhill, Alfred, London, England. Case for pipes and for cigars and cigarette holders. 1,503,354; July 29.

Dunn, William G., Clarinda, Iowa. Motor support. 1,502,943; July 29.

Durand & Huguenin, S. A. (See Lombard, Théodore, assignor.)

Dürr, Ludwig, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Motor-testing chamber. 1,503,307; July 29.

E. & N. Manufacturing Company, The. (See Barber, William J., assignor.)

Earhart, David S., Wauchula, Fla. Ventilator. 1,502,944; July 29.

Eaton Axle & Spring Company, The. (See Carlson, Gustav W., assignor.)

Eaton, George R. (See Currier, H. D., and Eaton.)

Edmunds & Jones Corporation. (See Kerwin, Thomas J., assignor.)

Effertz, Harry P., Union Hill, N. J. Boat propulsion. 1,503,232; July 29.

Ehmen, John J., Clayton, assignor of one-third to J. J. Emminga, Golden, Ill. Antislipping device. 1,502,718; July 29.

Ehret, Cornelius D., Philadelphia, Pa. Method of and apparatus for electrically transmitting intelligence. 1,503,308; July 29.

Ehrlich, Jacob, Belleville, assignor to Verona Chemical Co., North Newark, N. J. Production of nitroso-meta-cresol and its application to the separation of meta-cresol and paracresol. 1,502,849; July 29.

Ehrlinger, Edmund P., Jamesville, Wis. Printer's galley and assembling printers' material. 1,503,152; July 29.

Eisenschmid, William, Etna, assignor to Pittsburgh Taximeter Company, Pittsburgh, Pa. Odometer. 1,502,719; July 29.

Ekström, Gunnar C., Stockholm, B. A. E. Johnson, Appelviken, near Stockholm, and G. Örström, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verstad, Stockholm, Sweden. Assembling apparatus for cards and grouped cigarettes. 1,503,355; July 29.

Electric Auto-Lite Company, The. (See Lewellyn, John A., assignor.)

Electric Auto-Lite Company, The. (See Sippel, E. H., and Hager, assignors.)

Electric Controller & Manufacturing Company, The. (See Hall, Jay H., assignor.)

Electric Water Sterilizer & Ozone Company. (See Hartman, Harry B., assignor.)

Electrical Engineers Equipment Co. (See Christensen, Christen, assignor.)

Electrical Engineers Equipment Company. (See Getts, Frank E., assignor.)

Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)

Elliott, Samuel T., Big Cabin, Okla. Propeller drive. 1,503,356; July 29.

Ellis, Albert E., Marion, Ill. Valve. 1,503,309; July 29.

Ellis, Carleton, Montclair, N. J. Making colloidal bodies. 1,502,945; July 29.

Elwell, George H., Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,503,442; July 29.

Emminga, John J. (See Ehmen, John J., assignor.)

Ensign, William B., New York, N. Y. Governor valve. 1,503,357; July 29.

Entz, Theodore B., New York, N. Y., assignor to Gould Storage Battery Company. Storage battery. 1,503,098; July 29.

Ericson, Carl L., Longmeadow, assignor to American Saw and Manufacturing Company, Springfield, Mass. Band-saw joint and making the same. 1,503,310; July 29.

Errock, William H., Alton Bay, N. H. Lamp pedestal. Des. 65,331; July 29.

Esh, Barnett. (See Livsey, Lucien E., assignor.)

Esnault-Pelterie, Robert, Paris, France. Percussion pump. 1,502,984; July 29.

Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,811; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,812; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,813; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,814; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,815; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,816; July 29.

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. High-frequency multiplex signaling system. 1,502,817; July 29.

Essex Motors. (See Behn, Guido G., assignor.)

Evans, Alfred H., Bronx, N. Y. Concrete mold. 1,503,358; July 29.

Evans, S. W., & Son. (See Lutz, J., and Evans, assignors.)

Evans, Wayne S. (See Lutz, J., and Evans.)

Evers, John H., Irvington, N. J. Connecter for tire chains. 1,502,985; July 29.

Excelsior Steel Furnace Company. (See Menk, Rudolph W., assignor.)

Fabricius-Bjerre, Ejnar, Fredericksberg, near Copenhagen, Denmark. Absorbent pad. 1,503,359; July 29.

Falls, Alexander S., Chicago, Ill. Desk. 1,503,233; July 29.

Farbenfabriken vorm. Friedr. Bayer and Co. (See Haller, Josef, assignor.)

Farbenfabriken vorm. Friedr. Bayer and Co. (See Weiler, Max, assignor.)

Farmer, Clyde C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car discharge valve and signal switch. 1,503,311; July 29.

Fassinger, Charles, Carrick, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Heading machine. 1,503,312; July 29.

Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln. 1,503,186; July 29.

Fazio, James, Venice, Calif. Display stand. Des. 65,332; July 29.

Felix, Rudolph. (See Adamac, Frank, assignor.)

Feltner, James E., Hancock, Md., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Nonset stop for phonographs. 1,502,769; July 29.

Ferguson, George A. (See Tufts, Philip E., assignor.)

Fieber, Paul A., Baraboo, Wis. Eyeshield. 1,502,661; July 29.

Filson, Seaman D., Cleveland, Ohio. Snubber for vehicle springs. 1,502,818; July 29.

Finkelstein, Robert, Brooklyn, assignor to Hirschberg & Company, New York, N. Y. Hat. 1,502,720; July 29.

Finklestein, David, et al. (See Lee, Harry G., assignor.)

Fischer, Albert B., Atco, N. J. Console set. Des. 65,333; July 29.

Fisher Body Corporation. (See Bingman, Frederick P., assignor.)

Fisher, Martin T., New York, N. Y. Cooking chart. 1,502,850; July 29.

Fitchett, Frank, Cincinnati, Ohio. Radiator cap for water-cooled automobile engines. 1,503,187; July 29.

Flannery Bolt Company. (See Flannery, J. R., and Dodds, assignors.)

Flannery, John R., and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. 1,503,121; July 29.

Flaugh, George N. (See Rouzer, C. A., and Flaugh.)

Floyd, William B., Denver, Colo. Artificial tooth. 1,503,313; July 29.

Fohmann, Edwin C., Philadelphia, Pa. Game. 1,503,415; July 29.

Ford, Henry, Dearborn, Mich. Automotive railway car. 1,503,454; July 29.

Fort Wayne Engineering & Mfg. Co. (See Astrom, John L., assignor.)

Foster, Uri D., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Metal-working machine. 1,503,153; July 29.

Fox, De Witt, New York, N. Y. Game-score register. 1,502,662; July 29.

Francis, Daniel H., Grand Junction, Colo. Shale retort. 1,503,234; July 29.

Frank, Harry S., St. Louis, Mo. Machine for making multiple molds and castings. 1,503,122; July 29.

Franklin Baker Company. (See Tenney, Dwight, assignor.)

Franklin, Edwin J., Kellogg, Idaho. Clean-cow bar. 1,503,039; July 29.

Fredricks, John T., et al. (See Prator, Ernest P., assignor.)

French, George F., Manchester, England. Appliance for tensioning or tightening seat webbing and the like. 1,503,314; July 29.

Frenler, Henry C., Troy, N. Y. Egg separator. 1,502,770; July 29.

Frey, Ernst, Troisdorf, near Cologne-on-the-Rhine, Germany. Fuel-injection device for diesel motors without compressors. 1,502,946; July 29.

Friday, Charles E. (See Halverson, John, assignor.)

Fried. Krupp Aktiengesellschaft. (See Pfretzschner, Jakob, assignor.)

Fried. Krupp Aktiengesellschaft. (See Schlafer, Valentin, assignor.)

Friedberger-Aaron Manufacturing Company. (See Goldsmith, Henry F., assignor.)

Friedman, William F. (See Sabine, P. E., and Friedman.)

Friesell, Frank M., San Francisco, Calif. Ankle tension board and arch developer. 1,502,947; July 29.

Frohn, Leonard J., Lynbrook, N. Y. Feed-interrupting mechanism for paper-feeding machines. 1,502,663; July 29.

Frolick, George N., Buffalo, N. Y., assignor to F. S. Wendling, Cleveland, Ohio. Electric heater. 1,502,819; July 29.

Frost, Leslie E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Spraying machine. 1,502,823; July 29.

Fruitt, Cearles A., Walla Walla, Wash. Direction signal. 1,502,664; July 29.

Fuller, Cland E., New York, N. Y. Finger-course unit. car. 1,503,452; July 29.

Funk, Warren S., Sioux Falls, S. Dak. Antiglare goggles. 1,502,820; July 29.

Furr, Harry L., Harrisonburg, Va. Signal-operating means. 1,503,040; July 29.

Fyr-Fyter Company, The. (See Iddings, Roscoe C., assignor.)

G. & G. Fixture Co., The. (See Walker, Ernest A., assignor.)

Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Electric welding. 1,503,315; July 29.

Galbraith, James N., Mexico, Mexico. Fuel-oil burner. 1,503,041; July 29.

Gale, George W., Greeley, Colo. Magazine rotary drill bit. 1,502,851; July 29.

Gall, Friedrich, Kiel, Germany. Electric connecting device for floating or submarine vessels. 1,503,238; July 29.

Gamewell Fire Alarm Telegraph Company. (See Suren, Nathan H., assignor.)

Gandell, William R. K., London, England. Holder for strips of emery, carborundum, glass-covered tapes, cloth, or paper. 1,503,416; July 29.

Gardner, William P., Governors Island, N. Y. Automatic lawn-watering machine. 1,503,360; July 29.

General Electric Company. (See Campbell, Wilfred, assignor.)

General Electric Company. (See Carichoff, Eugene R., assignor.)

General Electric Company. (See Coolidge, William D., assignor.)

General Electric Company. (See Deflassieux, Fleury, assignor.)

General Electric Company. (See Leiter, Susan B., assignor.)

General Electric Company. (See Stone, Charles W., assignor.)

General Electric Company. (See Whitaker, Frank P., assignor.)

General Electric Company. (See Young, Wilbur L., assignor.)

General Railway Signal Company. (See Leake, Richard C., assignor.)

Gerberholtz, Jack, Brooklyn, N. Y. Game board. Des. 65,334; July 29.

Getts, Frank E., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Cable-end bell. 1,503,235; July 29.

Gevaert Photo-Producten, N. V. (See Cocanari, Silvio, assignor.)

Gibson, William L., Trenton, Mo. Locomotive flag staff and container. 1,503,154; July 29.

Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)

Gilbert, Israel B., assignor of one-half to O. J. Cutler, Cincinnati, Ohio. Device for automatically grinding valves for combustion engines. 1,503,417; July 29.

Gill, Willie, Montreal, Quebec, Canada. Cover for receptacles. 1,502,948; July 29.

Gillit, Perry A., Rowden, Tex. Sanitary ear for buckets. 1,502,949; July 29.

Gimurtsina, Christos, assignor, by mesne assignments, to Sphinx Sanitary Appliance Co., New York, N. Y. Catamenial appliance. 1,503,361; July 29.

Gish, Walter, and H. L. Thomas, Palco, Kans. Washing machine. 1,502,986; July 29.

Glass, Samuel, and S. Wohl, Newark, N. J. Traveling bag. 1,502,987; July 29.

Goldman, Barney, New York, N. Y. Tire protector. 1,503,265; July 29.

Goldsmith, Henry F., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Lace trimming. Des. 65,335; July 29.

Goodrich, B. F., Company, The. (See Wacker, Henry, assignor.)

Goodwin, Ernest G., New York, N. Y., assignor to J. A. Pilcher, Roanoke, Va. Six-wheel car truck. 1,502,988; July 29.

Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)

Gordon, David D., Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch. 1,502,665; July 29.

Gösmann, Willy, Hannover, Germany. Burner. 1,503,042; July 29.

Gould Coupler Company. (See Blake, Eli J., assignor.)

Gould Storage Battery Company. (See Entz, Theodore B., assignor.)

Gould Storage Battery Company. (See Osborne, Willard B., assignor.)
Gould Storage Battery Company. (See Snyder, Almond H., assignor.)
Govis, Nicketas C., Seattle, Wash. Belt buckle. 1,502,771; July 29.
Grady, Bartholomew E., jr., Somerville, Mass. Sounding board. 1,502,666; July 29.
Grasselli Chemical Company, The. (See Alvord, Earl B., assignor.)
Gravell, James H., Elkins Park, Pa. Process and material for preparing metal for coating. 1,503,443; July 29.
Graves, Thomas, Memphis, Tenn. Egg tester. 1,502,721; July 29.
Gray, Arthur G., London, England. Derrick or crane. 1,502,667; July 29.
Gray, Paul L., (See Spooner, L. R., and Gray.)
Grebbrook, Hans C., Chicago, Ill. Wind motor. 1,502,950; July 29.
Greer, Benjamin J., Poynor, Tex. Lock. 1,503,043. July 29.
Griffitts, Elmer A., Calgary, Alberta, Canada. Combination mounting for motors and fittings. 1,503,099; July 29.
Grimberg, John, New York, N. Y. Garment hanger. 1,503,236; July 29.
Grinham, Frederick, assignor of one-third to O. J. Savin, one-sixth to J. C. Stiles, and one-sixth to H. K. Wagner, St. Louis, Mo. Apparatus for improving and increasing the useful results obtainable from gasoline or other fuel in internal-combustion engines and the like. 1,502,772; July 29.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,503,317; July 29.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,503,318; July 29.
Grondahl, Lars O., Pittsburgh, and L. F. Howard, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,503,316; July 29.
Grout, Frank M. (See Titus, G. S., and Grout.)
Guenther, Arthur G. G., assignor to Signode System, Inc., Chicago, Ill. Stretching tool. 1,503,237; July 29.
Gueritey, Charles, assignor to Passaic Metal Ware Co., Passaic, N. J. Spout-soldering machine. 1,502,773; July 29.
Gunn, Earl G., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,503,239; July 29.
Haarlander, Otto J., South Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph cabinet. Des. 65,336; July 29.
Haarlander, Otto J., South Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph cabinet. Des. 65,337; July 29.
Haas, Adrian, Hounslow, England. Machine for the manufacture of envelopes. 1,503,155; July 29.
Hager, Harold H. (See Sippel, E. H., and Hager.)
Haight, Hiram H., Milwaukee, Wis. Rotary pump. 1,503,362; July 29.
Halder, Joseph F. (See Carnes, J. F., and Halder.)
Hall, Jay H., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor-control system. 1,503,156; July 29.
Hall, Rebecca A., assignor of one-half to R. E. Hall, Cincinnati, Ohio. Server. 1,503,363; July 29.
Hall, Ruth E. (See Hall, Rebecca A., assignor.)
Haller, Josef, Wiesdorf, near Cologne-on-the-Rhine, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. New azodyestuffs. 1,503,044; July 29.
Halliday, Alexander, Prince Rupert, British Columbia, Canada. Crusher for mineral ores. 1,503,157; July 29.
Halversen, Birger F., assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Producing mixtures of nitrogen and hydrogen. 1,503,319; July 29.
Halverson, John, assignor of one-half to C. E. Friday, Madison, Wis. Skate. 1,502,951; July 29.
Hanks, Silvia N., Okolona, Miss. Railway-crossing gate. 1,503,444; July 29.
Hansson, Soren, assignor of one-half to H. T. Anderson, Butler, Pa. Four-point flexible support and safety device for railway brakes. 1,503,045; July 29.
Hardel, Jean A., Paris, France. Accurate thread cutting and grinding machine. 1,503,320; July 29.
Harding, George A., et al. (See Whitson, Lincoln L., assignor.)
Harding, Hazel L., et al. (See Whitson, Lincoln L., assignor.)
Harkins, James J., Pittsburgh, and O. F. Orman, McKeesport, Pa., assignors of four-fifths to said Harkins and one-fifth to said Orman. Apparatus for the manufacture of seamless steel tubes. 1,503,158; July 29.
Harnly, David H., Chicago, Ill. Awning. 1,502,774; July 29.
Harrington, Samuel A., Portland, Oreg. Windshield sprayer. 1,502,821; July 29.
Harris Automatic Press Company, The. (See Harrold, Charles W., assignor.)
Harris, De Witt C., Pineland, Fla. Typewriter carriage. 1,503,100; July 29.
Harris, De Witt C., Pineland, Fla. Line-space mechanism. 1,503,123; July 29.
Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company of Providence, R. I. Bracelet. 1,503,445; July 29.
Harrold, Charles W., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Printing press and other like machines. 1,502,668; July 29.
Hart & Hegeman Manufacturing Company, The. (See Foster, Uri D., assignor.)
Hart, Edward J., Philadelphia, Pa. Underfeed stoker. 1,503,240; July 29.
Hartel, Henry W., Philadelphia, Pa. Lock switch. 1,503,321; July 29.
Hartman, Harry B., assignor to Electric Water Sterilizer & Ozone Company, Scottdale, Pa. Ozone generator. Re15,880; July 29.
Harvey-Hanes Machine Corporation. (See Weiffenbach, Casper, assignor.)
Harvey, Ralph, Etna, Pa. Washing process and machine therefor. 1,502,852; July 29.
Haupt, Hans, Berlin-Charlottenburg, Germany. Belt fastener. 1,503,322; July 29.
Hawaiian Pineapple Company. (See Hoyt, Simes T., assignor.)
Hayes, Benjamin P., Kansas City, Mo., assignor, by mesne assignments, to International Accounting Machine Co., New York, N. Y. Printer table for registers or like machines. 1,502,669; July 29.
Hayes, Elmer A., Dover, Minn. Wire stretcher and splicer. 1,503,418; July 29.
Hayes, John F., et al. (See Klepper, Eberhard, assignor.)
Haywood, Charles E., Larkins, Fla. Spraying machine. 1,503,159; July 29.
Heasley, Jacob M., Pittsburgh, Pa. Combination tool. 1,503,323; July 29.
Hedglon, Mead, assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Shaft coupling. 1,503,446; July 29.
Heffron, Amos S., Philadelphia, Pa. Stiff-leg derrick. 1,502,989; July 29.
Hein, George N., San Francisco, Calif. Lever-operated adjusting mechanism. 1,503,160; July 29.
Helser, David R., Olympia, Wash. Vehicle-wheel. 1,503,046; July 29.
Hendrickson, Eli, Seattle, Wash. Tool construction. 1,503,047; July 29.
Henrici, Fritz W. A., assignor to Henrici Laundry Machinery Company, Boston, Mass. Reversing mechanism. 1,503,447; July 29.
Henrici Laundry Machinery Company. (See Henrici, Fritz W. A., assignor.)
Henson, James A., et al. (See Smith, Louie F., assignor.)
Herlitz, Hans, Gothenburg, Sweden. Calculating machine. 1,502,952; July 29.
Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Lorensweg, Berlin-Tempelhof, Germany. Means for producing electric oscillations by an electric arc. 1,503,324; July 29.
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
Hildick, Walter H., East Orange, and H. Semlear, jr., Ridgewood, N. J. Sealing device for receptacles such as bottles. 1,502,775; July 29.
Hilditch, Robert M. (See Mathieson, James, assignor.)
Hilger, Adam, Limited. (See Twyman, Frank, assignor.)
Hill, Charles A., Port Huron, Mich., assignor to A. Mueller, trustee, Decatur, Ill. Die-guiding means for forging presses. 1,502,722; July 29.
Hill, Clyde E., Fort Logan, Colo. Spray nozzle. 1,502,822; July 29.
Hill, George F., Middle Brighton, Victoria, Australia. Headlight of motor cars and like road vehicles. 1,502,670; July 29.
Hillmer, Max L., and L. O. Parker, assignors to Remy Electric Company, Anderson, Ind. Engine-starter gearing. 1,502,671; July 29.
Hirschberg & Company. (See Finkelstein, Robert, assignor.)
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hoffman, Adolf, Lackawanna, N. Y. Combination lock. 1,502,672; July 29.
Hoffman, Henry R., Chicago, Ill. Automatic transmission for motor vehicles. 1,502,953; July 29.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon vibrator for typewriters. 1,502,853; July 29.
Hole, Sidney, Hassocks, England. Closure means for milk churns. 1,502,673; July 29.
Hollander, Frederick W. (See Hollander, William H., F. W., and G.)
Hollander, Gus. (See Hollander, William H., F. W., and G.)
Hollander, William H., F. W., and G., Port Arthur, Tex. Antiglare headlight. 1,502,723; July 29.
Holley, Earl. (See Meloche, Daniel H., assignor.)
Holser, Raymond F., and J. V. Lopez, Santa Maria, Calif. Vine pick-up. 1,502,776; July 29.
Honecker, A. L. (See Tooley, Edwin H., assignor.)
Hoppes, John J., Springfield, Ohio. Hydroelectric power plant. 1,503,124; July 29.
Horn, Gustav A., Jeannette, assignor to Westmoreland Specialty Company, Grapeville, Pa. Bowl or similar article. Des. 65,338; July 29.

Hornecker, George, assignor to L. R. Conwell, Elmhurst, N. Y. Box. 1,503,161; July 29.
Horwitt, Paul H., assignor to Independent Paper Mills Inc., Brooklyn, N. Y. Dispenser for paper towels and like articles. 1,503,241; July 29.
Howard, Lemuel F. (See Grondahl, L. O., and Howard.)
Howard, Stanley R., East Milton, Mass., assignor, by mesne assignments, to State Street Trust Company, trustee. Package stop mechanism. 1,502,724; July 29.
Howat, John B., assignor to Sharon Hardware Manufacturing Company, Sharon, Pa. Door-hanger mechanism. 1,503,364; July 29.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Automatic light-control apparatus for photographic-printing machines. 1,502,954; July 29.
Hoyoux, Pierre, Rochester, Pa. Catching-off machine. 1,503,188; July 29.
Hoyt, Simes T., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Method and apparatus for handling and transporting sugar cane. 1,503,365; July 29.
Huber, Bernard, Oakland, Calif. Floor-polishing machine. 1,503,048; July 29.
Hubers, Henry W. (See Neuwerk, Peter, assignor.)
Hnestis, Thomas B., Bristol, R. I., assignor to National India Rubber Company. Circular-feed attachment. 1,503,242; July 29.
Hueter, Louis H., San Francisco, Calif. Cartridge-reloading tool. 1,502,824; July 29.
Hufnagel, Fred, St. Louis, Mo. Dustguard. 1,502,777; July 29.
Hug, Christian J., assignor to The Hug Company, Highland, Ill. Road-surfacing machine. 1,502,825; July 29.
Hug Company, The. (See Hug, Christian J., assignor.)
Hughes, Charles R., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Concealed-stitch binding machine. 1,502,778; July 29.
Hughes, Marguerite, Johnson City, Tenn. Doll statuette. Des. 65,339; July 29.
Hull, Alfred A., Knoxville, Tenn., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting temple for looms. 1,503,448; July 29.
Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecter for demountable automobile doors. 1,503,419; July 29.
Hull, Robert H. (See Clay, John A., assignor.)
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,502,674; July 29.
Huntoon, William C., East Greenwich, R. I. Collapsible tube. 1,502,779; July 29.
Hutchinson, Thomas C., Duluth, Minn. Grain-door remover. 1,502,854; July 29.
Hutton, Ernest, Fairmont, W. Va. Blasting gun. 1,503,420; July 29.
Huyc, Joseph G., New Orleans, La. Box. 1,502,780; July 29.
Hydraulic Pressed Steel Company, The. (See Klaus, Fred R., assignor.)
Iddings, Roscoe C., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher with a single delivery tube. 1,503,125; July 29.
Imperial Steam Appliance Company. (See Vincent, Louis N., assignor.)
Independent Paper Mills Inc. (See Horwitt, Paul H., assignor.)
Indiana Manufacturing Company, The. (See Wagner, Louis H., assignor.)
Inland Manufacturing Company. (See Kim, Julius, assignor.)
Innes, William F., Stoughton, Mass. Roof connection. 1,503,421; July 29.
International Accounting Machine Co. (See Hayes, Benjamin P., assignor.)
Iroquois China Company. (See Lukens, Randolph E., assignor.)
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Fuse and mounting. 1,503,266; July 29.
James, Francis F., Philadelphia, Pa. Shackle bolt. 1,503,162; July 29.
James, Frank F., Kensington, near Sydney, New South Wales, Australia. Apparatus for attachment to photographic cameras whereby panoramic-view photographs can be produced. 1,503,437; July 29.
Jameson, Clarence W., Lombard, Ill. Electric switch. 1,502,855; July 29.
Jamison, William J., Chicago, Ill. Fishing hook. 1,502,781; July 29.
Janus, William, St. Louis County, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Malleable support bracket. 1,502,826; July 29.
Jaray, Paul, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Radiator covering. 1,503,366; July 29.
Jeavons, Albert, assignor to John T. Thompson (Wolverhampton) Limited, Wolverhampton, England. Steam superheater. 1,503,163; July 29.
Jefferson Forge Products Company. (See Wade, Charles E., assignor.)
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,502,827; July 29.
Ježek, Anton, Hopkins, Minn. Automobile bumper. 1,503,049; July 29.
Johns-Manville, Inc. (See Kieselbach, Henry A., assignor.)
Johnson, Alvin P., Swampscott, Mass. Confectionery box. Des. 65,340; July 29.
Johnson, Bror A. E. (See Ekström, G. C., Johnson, and Örström.)
Johnson, Grover C., Wichita Falls, Tex. Oil-well pump. 1,502,955; July 29.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Grinder for coffee and the like. 1,502,675; July 29.
Johnston, Richard A., assignor to Barron G. Collier, Inc., New York, N. Y. Advertising-card holder. 1,502,782; July 29.
Jones, Edgar C. (See Antilotti, W. A., and Jones.)
Jones, Paul R., Porterville, assignor to Balfour, Guthrie & Company, San Francisco, Calif. Insecticide. 1,502,956; July 29.
Jorstad, Osmund M., East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Overhead trolley system. 1,502,828; July 29.
Joy, Henry B., Detroit, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Compressor or like device. 1,502,914; July 29.
Jurk, August H., and P. Syracuse, Buffalo, N. Y. Rotary toothbrush. 1,503,050; July 29.
Karpeles, Maurice J., Providence, R. I. Jewelry box. Des. 65,341; July 29.
Karpeles, Maurice J., Providence, R. I. Jewelry box. Des. 65,342; July 29.
Kaspar & Esh. (See Livsey, Lucien E., assignor.)
Kaufman, Jacob, Toronto, Ontario, Canada. Ventilated cap. 1,502,856; July 29.
Kaup, Charles H., Whittier, Calif. Valve for irrigating apparatus. 1,503,189; July 29.
Keenan Piston Sleeve and Engine Corporation. (See Keenan, Thomas, assignor.)
Keenan, Thomas, Brooklyn, assignor to Keenan Piston Sleeve and Engine Corporation, New York, N. Y. Explosive engine. 1,503,267; July 29.
Keller, Elvyn L. (See Crumley, James A., assignor.)
Kellogg Switchboard and Supply Company. (See Currier, H. D., and Eaton, assignors.)
Kellogg Switchboard and Supply Company. (See Shull, William G., assignor.)
Kelvinator Corporation. (See Mercer, William D., assignor.)
Kemper, Charles M., Kansas City, Mo. Car-door mechanism. 1,502,783; July 29.
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulated strain rod. 1,502,829; July 29.
Kendall, William G., Newark, N. J. Hinge for vanity cases. 1,503,367; July 29.
Kennedy, Bert, Gloversville, N. Y. Baseball cover. 1,502,784; July 29.
Kenton Hardware Co. (See Bixler, Lewis S., assignor.)
Keppeler, Frank J., Milwaukee, Wis. Attachment for saw filing and setting machines. 1,502,725; July 29.
Kerwin, Thomas J., Chicago, Ill., assignor to Edmunds & Jones Corporation. Pushbutton switch. 1,502,785; July 29.
Kewish, John T., New York, N. Y. Automatic rifle. 1,502,676; July 29.
Kidder, Wellington P., Jamaica Plain, Mass., assignor, by mesne assignments, to Rochester Industries, Inc., Rochester, N. Y. Typewriting machine. 1,502,830; July 29.
Kiefer, Edward J., New York, N. Y. Glass-cutting machine. 1,502,990; July 29.
Kielberg, Henry, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Detachable cover for collapsible oven casings. 1,503,268; July 29.
Kieselbach, Henry A., Montclair, N. J., assignor to Johns-Manville, Inc. Heating apparatus and operating same. 1,503,368; July 29.
Kiessling, Max, Waterbury, Conn. Snap fastener. 1,503,051; July 29.
Kifer, John H. (See Secrest, George R., assignor.)
Kim, Julius, assignor to Inland Manufacturing Company, Inc., Pittsburgh, Pa. Sanitary cover. 1,503,190; July 29.
Kimball, Wallace D., and A. E. Rideout, assignors to Standard Sealing Equipment Corporation, New York, N. Y. Sealing machine for filled cartons. 1,503,126; July 29.
Kimmerle, Daniel S. (See Kimmerle, Larned T. and D. S.)
Kimmerle, Larned T. and D. S., San Francisco, Calif. Press. 1,502,957; July 29.
Kimmich, Elmer G., Akron, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Belt and making the same. 1,503,453; July 29.
Kinner, Lucius L., Ocean Park, Calif. Badge or similar article. Des. 65,343; July 29.
Kintner, Samuel M., Pittsburgh, Pa., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. System of control. 1,502,831; July 29.
Kirtlan, Clarence D., Visalia, Calif. Cultivator tooth. 1,502,832; July 29.
Kittelson, Halmer C., Fargo, N. Dak., assignor to Standard Chain Company, Inc., of the State of Minnesota. Automobile tread chain. 1,503,191; July 29.

Kitzelman, Frank, assignor to Acorn Wire & Iron Works, Chicago, Ill. Window guard. 1,502,833; July 29.

Klancher, John. (See Soots, B., Klancher, Magrath, and Van Brimer.)

Klauber, Laurence M., San Diego, Calif. Automatic circuit-making switch for high-potential circuits. 1,503,269; July 29.

Klaus, Fred R., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Rim-rolling machine. 1,503,270; July 29.

Klepper, Eberhard, Crimmitschau, Germany, assignor of three-eighths to H. Stern, New York, N. Y., thirty-seven and one-half per cent to J. F. Hayes, Washington, D. C., and twenty-five per cent to S. B. Sutphin, W. F. Ross, and R. W. Ross. Producing crinkled paper and product obtained thereby. 1,503,431; July 29.

Klingbeil, Gottlieb L. E., Omaha, Nebr. Child's educational appliance. 1,502,991; July 29.

Koebbe, Philip H., Barnhart, Mo. Frost-line drain valve for pumps. 1,502,834; July 29.

Kraft, Henry P., Ridgewood, N. J. Valve for atomizer bulbs or the like. 1,502,786; July 29.

Krammer, Henry E., New York, N. Y. Flying-boat fuselage. 1,503,052; July 29.

Kratzmueller, Louis R., Chicago, Ill. Knife and shield. 1,503,053; July 29.

Kruger, Charles M., et al. (See Sendig, Max H., assignor.)

Kubler, Edwin C., Springfield, N. Y., assignor to American Lead Pencil Company. Display stand for pencils. Des. 65,344; July 29.

Kudler, Adolph, and H. Rosenthal, Los Angeles, Calif. Tape feeder, moistener, and cutting appliance. 1,503,164; July 29.

Kumpfel, Josef, Alt-Ehrenberg Czechoslovakia. Process of and apparatus for forming bast-wood fibers for making fabrics and webs. 1,502,912; July 29.

Kuntz, William J., assignor to McGann Manufacturing Company, Incorporated, York, Pa. Rotary drier. 1,503,054; July 29.

Kuykendall, William, Los Angeles, Calif. Cleaning compound. 1,503,450; July 29.

L. S. & N. Corporation. (See Leland, H. H., and New, assignors.)

Lakewood Engineering Company, The. (See Carr, Edward G., assignor.)

La Mere, George P. (See Crawford, E. A., and La Mere.)

Landfear, Elsie D., Jersey City, N. J. Rag doll. Des. 65,345; July 29.

Lane, Alfred M., St. Louis, Mo. Screen for pivoted window sashes. 1,503,325; July 29.

Lane, George S., San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake-control device. 1,503,326; July 29.

Lane, Joseph E. (See Agricola, Herman A., jr., assignor.)

Langton, George H., Princeton, W. Va. Draft gear. 1,503,192; July 29.

Lanphere, Clive W., Brooklyn, N. Y. Sanitary dispensing measure. 1,502,992; July 29.

Lanphere, Clive W., New York, N. Y. Dispensing device for granular materials. 1,503,127; July 29.

Lanz, Firm Heinrich. (See Diefenthäler, Philipp A., assignor.)

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Rotary switch electrical timed sorter. 1,502,993; July 29.

Laukhuff, Alfred, Shorewood, Wis. Change-speed gearing. 1,502,787; July 29.

Laurila, Julius E., Worcester, Mass. Making putty. 1,503,422; July 29.

Lautenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Micrometric connection. 1,503,165; July 29.

Lavoie, Alphonse J., Montreal, Quebec, Canada. Vehicle brake. 1,502,726; July 29.

Lavoie, Alphonse J., Montreal, Quebec, Canada. Transmission joint and shock absorber. 1,502,727; July 29.

Lavoie, Alphonse J., Montreal, Quebec, Canada. Steering mechanism. 1,502,728; July 29.

Lavoie, Joseph P., Montreal, Quebec, Canada. Piston. 1,503,369; July 29.

Law, Harry C., Hastings upon Hudson, N. Y. Centrifugal drier. 1,502,677; July 29.

Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Tower indicator. 1,502,913; July 29.

Lee, Frank, Clearwater, Nebr. Corn-husking apparatus. 1,502,994; July 29.

Lee, Harry G., assignor of one-third to L. D. Covich and two-thirds to D. Finklestein, Boston, Mass. Gasoline gauge. 1,502,788; July 29.

Leich Electric Co. (See Leich, Oscar M., assignor.)

Leich, Oscar M., assignor to Leich Electric Co., Genoa, Ill. Telephone receiver. 1,503,243; July 29.

Leinert, Charles H., Chicago, Ill. Valve for compressors. 1,503,271; July 29.

Leiter, Susan B., Schenectady, N. Y., assignor to General Electric Company. Treating copper and the product thereof. 1,502,857; July 29.

Leland, Hoyt H., East Orange, N. J., and G. A. New, New York, N. Y., assignors to L. S. & N. Corporation. Process and apparatus for coating corset steels. 1,503,128; July 29.

Lester, Dudley W. (See Warwick, Rogers M., assignor.)

Lewellyn, John A., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Coil-winding machine. 1,503,272; July 29.

Lewers, Thomas R. (See Shikora, F. R., and Lewers.)

Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,503,166; July 29.

Liberman, Bernard and L., and W. M. Reichart, Philadelphia, Pa.; said L. Liberman and said Reichart assignors to said Bernard Liberman. Cigar-bunching machine. 1,502,995; July 29.

Liberman, Leon. (See Liberman, Bernard and L., and Reichart.)

Lincoln Electric Company, The. (See Lincoln, John C., assignor.)

Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,502,789; July 29.

Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Rotary cooler for cement clinkers, etc. 1,503,103; July 29.

Lippert, Aloysius C., Kenosha, Wis., and J. A. Sinko, assignors to Advance Products Corporation, Chicago, Ill. Assembling radiator caps. 1,502,729; July 29.

Liptak Fire Brick Arch Co. (See Liptak, Michael, assignor.)

Liptak, Michael, St. Paul, assignor to Liptak Fire Brick Arch Co., Minneapolis, Minn. Furnace arch. 1,502,790; July 29.

Little, Philip, jr., assignor to The Strong Scott Manufacturing Company, Minneapolis, Minn. Air-heating means. 1,502,858; July 29.

Little, Robert A., Woodstock, Va. Grain huller. 1,503,423; July 29.

Little, Robert A., Hazelton, W. Va. Spring wheel. 1,503,424; July 29.

Livsey, Lucien E., Brooklyn, assignor to B. Esh, New York, N. Y. Finger ring. Des. 65,340; July 29.

Loetscher, Martin B., Hollywood, Calif. Hinged cap. 1,502,996; July 29.

Lombard, Théodore, assignor to the Firm Durand & Huguenin S. A., Basel, Switzerland. Mordant dyestuffs and making same. 1,503,194; July 29.

Longue, René, Pantin, France. Means for lubricating and cooling submerged and insulated electric motor. 1,502,730; July 29.

Lopez, Joseph V. (See Holser, R. F., and Lopez.)

Lorenz, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)

Lott, Carl, Horgen, Switzerland. Device for driving shafts at a low and uniform speed by an electromotor. 1,502,958; July 29.

Loughridge, Matthew H., Bogota, N. J., assignor to Atlas Railway Signal Company. Rail bond. 1,502,836; July 29.

Lovelace, Harry M., Vallejo, Calif. Steering gear. 1,502,731; July 29.

Lowe, Clifford O., Sweetgrass County, Mont. Table. 1,503,195; July 29.

Luce, Grafton E., Chicago, Ill. Thrust bearing. 1,502,859; July 29.

Luce, Grafton E., Chicago, Ill. Brick, and wall construction. 1,503,327; July 29.

Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)

Luftschiffbau Gesellschaft mit beschränkter Haftung. (See Stahl, Karl, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Jarny, Paul, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Stahl, Karl, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Wilcke, Oscar, assignor.)

Lukens, Randolph E., assignor to Iroquois China Company, Syracuse, N. Y. Plate or similar article. Des. 65,347; July 29.

Lunkenheimer Company, The. (See Stickle, Frederick A., assignor.)

Lutz, John, and W. S. Evans, assignors to S. W. Evans & Son, Philadelphia, Pa. Means for fastening tips to umbrella ribs. 1,503,273; July 29.

Lydon, Timothy, Baltimore, Md. Wall and ceiling structure. 1,502,732; July 29.

MacNeill, John B. (See Sandin, M. J., and MacNeill.)

Magrath, Charles B., Chicago, Ill. Mobile power mechanism. 1,503,056; July 29.

Magrath, Homer A. (See Soots, B., Klancher, Magrath, and Van Brimer.)

Maguet, Martial, Maxeville, France. Reducing fused slag to granular form. 1,502,793; July 29.

Majcen, Othmar, New York, N. Y. Gas stove. 1,503,198; July 29.

Marquette Tool & Manufacturing Co. (See Balcker, Martin, assignor.)

Marquette Tool & Manufacturing Company. (See Nelson, John, assignor.)

Marrian, Harry H. B., and E. E. Carver, Vancouver, British Columbia, Canada. Aerial transporter. 1,502,997; July 29.

Martin, Earl T., Proctor, Minn. Spark plug. 1,502,960; July 29.

Martin, Frank C., Plattsmouth, assignor to M. F. Martin, Omaha, Nebr. Internal-combustion engine. 1,503,370; July 29.

Martin, Guillermo L., La Plata, Argentina. Wheel. 1,503,057; July 29.

Martin, Karter S., Tarrant City, Ala. Wash-kettle furnace. 1,502,837; July 29.

Martin, Mathew F. (See Martin, Frank C., assignor.)

Martin, Royal E., Mansfield, Ohio. Means for removably clamping valves to pneumatic tubes or the like. 1,503,199; July 29.

Martin, Trevillie O., Jackson, Tenn., assignor of one-half to W. T. Young, Indianapolis, Ind., and one-half to W. H. Timmons, Jackson, Tenn. Valve. 1,502,734; July 29.

Martin, Ulva R., Faber, Va. Nursery accessory. 1,503,425; July 29.

Marvel, Edward W., Philadelphia, Pa. Automatically-operative controlling mechanism for heaters. 1,503,276; July 29.

Matheson, James, assignor of one-half to R. M. Hilditch, Toronto, Ontario, Canada. Carpenter's miter. 1,502,735; July 29.

Mattingly, Albertus B., New York, N. Y. Attachment for sewing machines. 1,502,998; July 29.

Matz, Charles F., Dubuque, Iowa. Harrow. 1,503,200; July 29.

Maximum Power Co. (See Sibley, Frederick H., assignor.)

McAdams, George F., Brooklyn, N. Y. Ruling machine. 1,503,196; July 29.

McAllister, William H., Linden, Pa. Caster socket. 1,503,328; July 29.

McComb, Albert R., Indianapolis, Ind. Humidor. 1,502,733; July 29.

McCreary, Harry, Indiana, Pa. Non-skid tire. Des. 65,348; July 29.

McCrum, Douglas S., Saranac Lake, N. Y. Variable condenser. 1,502,860; July 29.

McCuen, Charles L., Detroit, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,502,791; July 29.

McDaniel, Clarence, Columbus, Ohio. Musical instrument. 1,503,197; July 29.

McElroy, John J., assignor to The Westinghouse Air Spring Company, New Haven, Conn. Automatic air spring. 1,503,274; July 29.

McFaddin, Harrison D., East Orange, N. J. Interchangeable support for electric fixtures. 1,503,275; July 29.

McGann Manufacturing Company. (See Kuntz, William J., assignor.)

McGee, Spanish, Skinston, W. Va. Tire chain. 1,502,792; July 29.

McGill Manufacturing Company. (See Gordon, David D., assignor.)

McGill Metal Products Company. (See Beck, Albert, assignor.)

McGuckin, John J., Brooklyn, N. Y. Valve-seat reamer. 1,503,055; July 29.

McIntyre, Michael J., Eden, N. Y. Musical toy. 1,502,835; July 29.

McKay, George L. (See Beechler, A. J., and McKay.)

McNabb, Joseph H., assignor to Bell & Howell Company, Chicago, Ill. Film-splicing apparatus. 1,502,959; July 29.

McOmber, Loren W., Peoria, Ill. Traffic light. Des. 65,349; July 29.

Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Metal mold. 1,502,861; July 29.

Menk, Rudolph W., Joliet, assignor to Excelsior Steel Furnace Company, Chicago, Ill. Air circulator. 1,502,862; July 29.

Mercer, William D., assignor to Kelvinator Corporation, Detroit, Mich. Valve mechanism. 1,502,736; July 29.

Meredith, Jaquelin M., Norfolk, Va. Wheel rim. 1,503,426; July 29.

Merseles, Henry R., assignor to H. E. Merseles, Bronxville, N. Y. Washing machine. 1,502,863; July 29.

Merseles, Herbert E., Bronxville, N. Y. Pump. 1,502,678; July 29.

Merseles, Herbert E. (See Merseles, Henry R., assignor.)

Meyer, H. H., Packing Company. (See Nekring, Alfred J., assignor.)

Meyer, Joseph K., assignor of one-third to D. Pell and one-third to F. Siegenthaler, St. Louis, Mo. Butter-slicing machine. 1,503,201; July 29.

Meyer, Joseph P., Mapleton, Iowa. Attachment for gas engines. 1,503,371; July 29.

Michle Printing Press & Mfg. Co. (See Blaine, Joseph R., assignor.)

Mikovits, John L., and F. Petersell, East Pittsburgh, Pa. Phonograph-record-cleaning brush. 1,503,058; July 29.

Miles, Charles H., jr., Birmingham, Ala. Wheel puller. 1,502,129; July 29.

Miller, Gustave L., Genesco, Ill. Automatic bolt adjustment for bearings. 1,502,737; July 29.

Miller, Pearl E., Nescopeck, Pa. Hatbox. 1,502,999; July 29.

Milligan, Joseph F., Swissvale, Pa. Confection. 1,502,864; July 29.

Mills, John H., St. Louis, Mo. Hogshead for redrying, recuring, and resweating tobacco. 1,503,167; July 29.

Mitchell, Alfred J., St. Boniface, Manitoba, Canada. Dishwashing machine. 1,503,427; July 29.

Mitchell, Edward A., London, England. Means for controlling flow and pressure of fluid in fluid-distributing systems. 1,503,329; July 29.

Monnia, Eugene F. (See Woodcock, B. E., Monnia, and Reese.)

Moody, Lewis F., Philadelphia, Pa. Hydraulic pump. 1,502,865; July 29.

Moore, Arthur, Chanute, Kans. Lamp support. 1,502,866; July 29.

Moore, Edward T., Syracuse, N. Y. Electrical apparatus for automatically controlling peak demands. 1,503,130; July 29.

Moroso, Stephen O., Coster, N. J. Concrete cap and sill block for building purposes. 1,503,059; July 29.

Morrison, Donald R. (See Shannon, S. Q., assignor.)

Morterud, Einar, Christiania, Norway. Apparatus for transmitting heat from one liquid to another. 1,503,428; July 29.

Mott, Ollie E., Adrian, Mich. Suspender construction. 1,502,738; July 29.

Mouren, Lucien J. L., Asnieres, France. Apparatus for automatically solving spherical triangles. 1,502,794; July 29.

Mousel, Mike A., Elmwood, Wis. Record cabinet. 1,503,330; July 29.

Mueller, Adolph, trustee. (See Hill, Charles A., assignor.)

Mueller, Moritz L., assignor to Northwest Blower Kiln Company, Seattle, Wash. Method of and apparatus for kiln-drying lumber. 1,503,168; July 29.

Mulford, Braden N., Fountain Head, Tenn. Single-article-delivery device. 1,503,277; July 29.

Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Milling cutter. 1,503,060; July 29.

Munroe, Treadway B., New Orleans, La., assignor to C. F. Dahlberg, Minneapolis, Minn. Preventing the natural deterioration of bagasse fibers. 1,503,202; July 29.

Münzinger, Friedrich, assignor to the Firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Cushioning device for liquid conveyed under pressure. 1,502,739; July 29.

Murnane, Cornelius, Balaclava, Victoria, assignor to Murnane Tractor Ltd., Melbourne, Australia. Farm tractor. 1,503,278; July 29.

Murnane Tractor Ltd. (See Murnane, Cornelius, assignor.)

Murphy, Daniel H., West Hartford, assignor to American Wiremold Company, Hartford, Conn. Tension device. 1,503,203; July 29.

Murphy, Daniel H., West Hartford, assignor to American Wiremold Company, Hartford, Conn. Tension device. 1,503,204; July 29.

Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)

Murray, John D., San Francisco, Calif. Nozzle tip. 1,503,001; July 29.

Murray, Thomas B., Liphook, England. Clutch and flywheel combination for motor-vehicle engines. 1,503,331; July 29.

Muther, Lorenz, Newton, Mass. Folding machine. 1,502,867; July 29.

Muther, Lorenz, Newton Center, Mass. Eyeleting machine. 1,502,868; July 29.

Muther, Lorenz. (See Reynolds, Charles Q., assignor.)

Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap for tire valves. 1,502,740; July 29.

Nagy, Stephen, Irvington, assignor of one-half to N. Viehmann, Newark, N. J. Pump for internal-combustion engines. 1,503,002; July 29.

Nardi, Romolo, Camden, N. J. Magazine pencil. 1,503,244; July 29.

Nathan Manufacturing Company. (See Ashe, William O., assignor.)

National India Rubber Company. (See Huestis, Thomas B., assignor.)

National Paper Products Company. (See Osterman, Bertram P., assignor.)

Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)

Nealir, Jacob E., Hartsdale, N. Y. Match safe. 1,502,961; July 29.

Nekring, Alfred J., assignor to The H. H. Meyer Packing Company, Cincinnati, Ohio. Device for removing rind from bacon. 1,503,003; July 29.

Neldner, Edward E. and V., Milwaukee, Wis. Safety crank. 1,503,205; July 29.

Neldner, Vincent. (See Neldner, Edward E. and V.)

Nelson, Jennings, Chicago, Ill. Hydrometer syringe. 1,503,332; July 29.

Nelson, John, assignor to Marquette Tool & Manufacturing Company, Chicago, Ill. Power press. 1,503,131; July 29.

Nemecek, Milo V., and R. Stroppel, Cedar Rapids, Iowa. Can-capping machine. 1,502,869; July 29.

Neuwerk, Peter, Moline, Ill., assignor to H. W. Hubers, Davenport, Iowa. Timing device for washing machines. 1,502,915; July 29.

New Britain Machine Company, The. (See Brown, Robert S., assignor.)
New, Gustavus A. (See Leland, H. H., and New.)
New Jersey Patent Company. (See Haarlander, Otto J., assignor.)
New Jersey Zinc Company, The. (See Borchers, Walter O., assignor.)
Nicol, David A., Huntingdon, Quebec, Canada. Plowshare. 1,502,741; July 29.
Nixon, Leroy, Easton, Pa. Pulsator. 1,503,279; July 29.
Norman, Orville P., Los Angeles, Calif. Reciprocating movement. 1,502,870; July 29.
Norris, Almon E., Brookline, Mass. Grab. 1,503,333; July 29.
Norris, Rolla V., Porterville, Calif. Oil reservoir for motors. 1,503,334; July 29.
Norsk Hydro Elektrisk Kvaelstofaktieselskab. (See Berge, Einar, assignor.)
Norsk Hydro Elektrisk Kvaelstofaktieselskab. (See Halvorsen, Birger F., assignor.)
North East Electric Company. (See Sullivan, Raymond H., assignor.)
Northwest Blower Kiln Company. (See Mueller, Moritz L., assignor.)
Norwalk Tire and Rubber Company, The. (See Russell, William F., assignor.)
Noyes, Charles H., Mondamin, Iowa. Glove. 1,502,871; July 29.
Nutt, Buell W., assignor to The Safety Equipment Service Company, Cleveland, Ohio. Protective hood. 1,502,679; July 29.
Oberg, Gunnard A., assignor to Blackstone Manufacturing Company, Jamestown, N. Y. Sliding door and lock for washing machine cylinders. 1,502,872; July 29.
Oberg, Gunnard A., assignor to Blackstone Manufacturing Company, Jamestown, N. Y. Perforated sheet metal. 1,502,873; July 29.
O'Dell, Edward O., Aroya, Colo. Ensilage cutter 1,502,742; July 29.
Ojerholm, Arthur W., Worcester, Mass., assignor, by mesne assignments, to Worcester Electric Tool Company. Combination valve grinder and drill. 1,503,206; July 29.
Oliver Iron & Steel Corporation. (See Fussinger, Charles, assignor.)
Oliver, Walter E., assignor to Autographic Register Co., Hoboken, N. J. Manifolding device. 1,502,680; July 29.
Orman, Otto F. (See Harkins, J. J., and Orman.)
Örström, Gustaf. (See Ekström, G. C., Johnson, and Örström.)
Osborne, Willard B., Elma, N. Y., assignor to Gould Storage Battery Company. Storage battery. 1,503,069; July 29.
Osbourne, Alfred S., Ingram, Pa. Power reverse gear. 1,503,280; July 29.
Osterman, Bertram P., assignor to National Paper Products Company, San Francisco, Calif. Packing crate for huts. 1,502,962; July 29.
Ottinger, Leon, New York, N. Y. Handle-attaching means for door latches. 1,503,281; July 29.
Ovalite Company The. (See Adamac, Frank.)
Overn, John, jr., Philadelphia, Pa., assignor to William Cramp & Sons Ship and Engine Building Company. Shaft bearing for hydraulic machines. 1,503,459; July 29.
Paasche, Jens A., Chicago, Ill. Pneumatic painting apparatus. 1,503,282; July 29.
Pacholke, Otto C., Brooklyn, N. Y. Apparatus for killing poultry. 1,503,372; July 29.
Packard Motor Car Company. (See Gunn, Earl G., assignor.)
Parker, Lee H., assignor to Spray Engineering Company, Boston, Mass. Spray nozzle. 1,503,438; July 29.
Parker, Leslie O. (See Hillmer, M. L., and Parker.)
Passaic Metal Ware Co. (See Gueritey, Charles, assignor.)
Page, Clarence, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cutting tool. 1,502,743; July 29.
Page, George S., Chatham, N. J. Game apparatus. 1,503,283; July 29.
Parker, Frank B., and C. U. Austin, Rochester, N. Y. Lubricating system for valve stems. 1,503,257; July 29.
Parker, Frederick R., Chicago, Ill. High potential electricity arrester. 1,503,284; July 29.
Parker, Frederick R., Chicago, Ill. Producing uniform Voltaic cells. 1,503,285; July 29.
Parker, Herschel G., Philipsburg, Pa. Funnel. 1,503,373; July 29.
Parker, Humphrey F., New York, N. Y. Heat transfer system for aircraft. 1,503,374; July 29.
Parker, James E., Norfolk, Va. Peanut digger. 1,502,795; July 29.
Parker, James E., Norfolk, Va. Conveyer for peanut diggers. 1,502,796; July 29.
Parker, John J., Paterson, N. J. Vaporizer. 1,503,004; July 29.
Paull, Norman M. (See Bolton, W., jr., and Paull.)
Pavia, Luigi, Allentown, Pa. Shuttle. 1,503,286; July 29.
Peerless Machinery Company, The. (See Lautenschlager, William F., assignor.)
Pell, David, et al. (See Meyer, Joseph K., assignor.)
Pendergast, Frederick W., deceased, Cambridge, Mass.; G. T. Pendergast, administratrix. Motor. 1,503,061; July 29.
Pendergast, Frederick W., deceased, Cambridge, Mass.; G. T. Pendergast, administratrix. Mop. 1,503,062; July 29.
Pendergast, Grace T., administratrix. (See Pendergast, Frederick W.)
Pendergast, Overton W., Terre Haute, Ind. Printing consecutive numbers. 1,503,375; July 29.
Perrault, Oscar L., assignor to Constant Heat Pack Corporation, Albany, N. Y. Composition for chemical heaters. 1,502,744; July 29.
Perry, George E., Chicago, Ill. Dental appliance. 1,503,063; July 29.
Perry, William H., Burdett, Alberta, Canada. Automatic wagon brake. 1,502,797; July 29.
Peters, John F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer frame. 1,502,874; July 29.
Petersell, Frank. (See Mikovits, J. L., and Petersell.)
Pfretzschner, Jakob, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Device for cutting an inductive resistance out of circuit without sparking. 1,503,376; July 29.
Phoenix, Frank L., and A. H. Behrman, Reedsburg, Wis. Cleaning device. 1,502,798; July 29.
Pilcher, John A. (See Goodwin, Ernest G., assignor.)
Pippin, John W., Oklahoma City, Okla. Underreamer. 1,503,377; July 29.
Pittsburgh Taximeter Company. (See Eisenschmid, William, assignor.)
Pizzutiello, Leopold, New York, N. Y. Hat. 1,503,287; July 29.
Platt, George R., Hillsboro, N. C. Loom shuttle block. 1,502,963; July 29.
Plymouth Stamped Metal Company, The. (See Voisard, Louis F., assignor.)
Polhemus, John F. (See Clark, E. C., and Polhemus.)
Pommersheim, John, East Pittsburgh, Pa. Shingle construction. 1,502,681; July 29.
Poole, Amos R., assignor to W. R. Chappell, New York, N. Y. Cover-fastening clasp. 1,503,288; July 29.
Pope, Orson M., Seattle, Wash. Variable-speed transmission mechanism. 1,503,005; July 29.
Pos, Marius J. (See Baldwin, C. K., and Pos.)
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,502,916; July 29.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Interoffice trunking system. 1,502,917; July 29.
Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)
Powers, Robert T., sr., North Oxford, Mass. Power strap. 1,503,207; July 29.
Prator, Ernest P., assignor of one-third to J. T. Fredricks, Leeper, and one-third to J. R. Stephens, St. Louis, Mo. Valve. 1,503,132; July 29.
Pratt & Whitney Company. (See Müller, Friederich, assignor.)
Price, George W., Leaksville, N. C. Cooling apparatus for motor vehicles. 1,502,745; July 29.
Prickett, Clyde W., Winterset, Iowa. Concrete and wood floor construction device. Re15,881; July 29.
Priem, Paul, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Wood grinder. 1,503,289; July 29.
Providence Stock Company. (See Harrison, George D., assignor.)
Prym, Heinrich, Stolberg, Rheinland, Germany. Packing or filling body for filters. 1,503,208; July 29.
Pupin, Michael I., Norfolk, Conn., and E. H. Armstrong, Yonkers, N. Y., assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Tone-producing radioreceiver. 1,502,875; July 29.
Purser, Joseph E., Bristol, England. Money box. 1,502,876; July 29.
Quaresima, Luigi, Amsterdam, N. Y. Shuttle for carpet-weaving looms. 1,503,290; July 29.
Quinn, George F. (See Cleary, T. J., and Quinn.)
Rause, Paul J., South Orange, N. J. Illuminated top. 1,503,006; July 29.
Ray, Arthur J., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,502,877; July 29.
Read, Henry, assignor to B. S. Stuart, Denver, Colo. Playing card. Des. 65,350; July 29.
Reed, Harrison P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,503,245; July 29.
Reed, John H., Maumee, assignor of one-half to A. Swartz, Toledo, Ohio. Ignition device. 1,502,682; July 29.
Rees, Ben, Anaheim, Calif. Latch lock. 1,503,209; July 29.
Rees, Helen R., Portland, Oreg. Finger ring for crocheting. 1,502,799; July 29.
Reese, Albert C. (See Woodcock, B. E., Monnia, and Reese.)
Reichart, William M. (See Liberman, Bernard and L., and Reichart.)

Reichenberg, James, London, England. Watchcase. Des. 65,351; July 29.
Reid, Albert T., Leavenworth, Kans. Toilet case. 1,503,378; July 29.
Rejcek, Valentin F., Penelope, Tex. Antiskid device. 1,502,878; July 29.
Reliance Gauge Column Company, The. (See Brown, John R., assignor.)
Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Machine for forming yarn packages. 1,503,381; July 29.
Remy Electric Company. (See Hillmer, M. L., and Parker, assignors.)
Remy Electric Company, The. (See Replogle, James B., assignor.)
Renz, George W., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,503,064; July 29.
Replogle, James B., Detroit, Mich., assignor to The Remy Electric Company. Electric throttle governor. 1,502,800; July 29.
Rex Manufacturing Company. (See Hull, Matthew R., assignor.)
Reynolds, Charles Q., St. Louis, Mo., assignor to L. Muther, Newton, Mass. Skiving machine. 1,503,169; July 29.
Rideout, Arthur E. (See Kimball, W. D., and Rideout.)
Rimmer, Robert, Wigan, England. Golf putter. 1,503,291; July 29.
Ritchie, Charles F., Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif. Production of a filtration accelerator. 1,503,133; July 29.
Rixmann, George, et al. (See Sargent, William H., assignor.)
Roach, Jesse E., Los Angeles, Calif. Pencil. Des. 65,352; July 29.
Robertson, Lillian W. (See Smith, Mildred K., assignor.)
Robins Conveying Belt Company. (See Baldwin, C. K., and Pos, assignors.)
Robins Conveying Belt Company. (See Baldwin, Clarence K., assignor.)
Robins, John C., Birmingham, England. Apparatus for mixing, grinding, refining, or treating liquid material such as liquid chocolate. 1,503,379; July 29.
Robinson, Charles G., Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc. Paper-making apparatus. 1,503,246; July 29.
Rochester Industries, Inc. (See Kidder, Wellington P., assignor.)
Rockwood, George I., Worcester, Mass. Air exhauster for dry-pipe sprinkler systems. 1,502,879; July 29.
Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
Rodgerson, William J., Toronto, Ontario, Canada. Fluid-power generator. 1,502,964; July 29.
Roempke, Harold C., Indianapolis, Ind. Teetering roundabout. 1,502,746; July 29.
Rogers Silver Plate Co., The. (See Crumley, Le Roy A., assignor.)
Rose, Fay E., Montague, Mich. Chicken feeder. 1,503,335; July 29.
Rosen, David, New York, N. Y., and C. Schnickerling, Weehawken, N. J.; said Schnickerling assignor to S. Rubinsky, New York, N. Y. Battery construction. 1,503,380; July 29.
Rosenbaum, Alvin H. (See Tolk, G., and Rosenbaum.)
Rosenthal, Henry. (See Kudler, A., and Rosenthal.)
Rosenzweig, Julius, New York, N. Y. Adjustable cap. 1,503,007; July 29.
Ross, Ralph W., et al. (See Klepper, Eberhard, assignor.)
Ross, Robert C., Dundee, Scotland. Roller blind and the like. 1,503,336; July 29.
Ross-Tacony Crucible Company. (See Brockbank, Clarence J., assignor.)
Ross, William F., et al. (See Klepper, Eberhard, assignor.)
Rouzer, Charles A., and G. N. Flaugh, Fort Wayne, Ind. Repair device for train-pipe hose. 1,503,247; July 29.
Rubinsky, Samuel. (See Rosen, D., and Schickerling, assignors.)
Rudman, George C., Clinton, Iowa. Barred window. 1,503,248; July 29.
Rudzik, Martin. (See Windish, Fred, assignor.)
Rumsfield, Ernest L., Chicago, Ill. Tool for removing wheels from axle shafts of motor vehicles and the like. 1,503,249; July 29.
Russell, William F., assignor to The Norwalk Tire and Rubber Company, Norwalk, Conn. Accelerating the vulcanization of natural or artificial india rubber or rubberlike substances. 1,503,429; July 29.
Russell, William F., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn. Vulcanizing rubber. 1,503,430; July 29.
Ryan, Walter D., Schenectady, N. Y. Headlight. 1,502,683; July 29.
Ryan, Walter D., Schenectady, N. Y. Housing for headlights. 1,502,684; July 29.
Rybicky, Antonina, New London, Conn. Cigarette and match box. 1,503,008; July 29.
Ryan, Thomas A., Yonkers, N. Y. Sanitary housing for toothbrushes. 1,503,134; July 29.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop-box mechanism for looms. 1,502,880; July 29.
Saad, Bedri, Yakima, Wash. Check protector. 1,503,382; July 29.
Sabine, Paul E., and W. F. Friedman, Geneva, Ill., assignors to said Paul E. Sabine, trustee. Apparatus for and method of rapid transmission of telegraphic messages. 1,503,250; July 29.
Sachs, Solomon, New York, N. Y. Foldable turntable for talking machines. 1,502,747; July 29.
Safe-Cabinet Company, The. (See Dick, Ralph H., assignor.)
Safety Equipment Service Company, The. (See Nutt, Buell W., assignor.)
Salinger, Morris, Brooklyn, assignor, by mesne assignments, to P. Salinger, New York, N. Y. Clock case. Des. 65,353; July 29.
Salinger, Pauline. (See Salinger, Morris, assignor.)
Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse. 1,502,881; July 29.
Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refillable fuse. 1,502,882; July 29.
Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refillable fuse. 1,502,883; July 29.
Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refillable fuse. 1,502,884; July 29.
Sandin, Maurits J., Wilkinsburg, and J. B. MacNeill, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Refillable fuse. 1,502,885; July 29.
Sarfaty, Morton P., New York, N. Y. Drying rack. 1,502,685; July 29.
Sargent, Charles E., Rock Island, Ill. Internal-combustion engine. 1,503,383; July 29.
Sargent, William H., Clayton, Mo., assignor of one-third to G. Rixmann and one-third to J. Seidel, St. Louis, Mo. Truck-hauling attachment for tractors. 1,503,135; July 29.
Savage, Edward S., Rochester, N. Y. Toy vehicle. 1,503,009; July 29.
Savin, Oliver J., et al. (See Grinham, Frederick, assignor.)
Schaaff, Louis W., Hoboken, N. J. Wrench. 1,503,136; July 29.
Schein, Alexander E., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Means for balancing rotors. 1,503,431; July 29.
Scherer, Walter G., Cleveland, Ohio. Door and window catch. 1,502,891; July 29.
Schickerling, Conrad. (See Rosen, D., and Schickerling.)
Schidrowitz, Philip, London, England, assignor to Vultex Limited, St. Heller, Jersey, Channel Islands. Manufacture of paper and other fibrous compositions. 1,502,686; July 29.
Schimmel, Harry, New York, N. Y. Mattress. 1,502,966; July 29.
Schläfer, Valentin, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Percussion fuse. Re15,882; July 29.
Schleich Studios, Inc. (See Schleich, William F., assignor.)
Schleich, William F., assignor to Schleich Studios, Inc., New York, N. Y. Bird cage. 1,502,748; July 29.
Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Scraping means for carcass-dehairing machines. 1,502,749; July 29.
Schneider, Hermann. (See Straub, F., and Schneider.)
Schoof, William, Milwaukee, Wis. Implement handle. 1,503,251; July 29.
Schrader's, A., Son Incorporated. (See Myers, Eugene V., assignor.)
Schragin, Kuno, Berlin, Germany. Manufacturing self-cooling tires. 1,503,432; July 29.
Schroeder, Arthur C., Syracuse, N. Y. Indicating signal for vehicles. 1,503,010; July 29.
Scott, Leland L., Savannah, Mo. Two-cycle internal-combustion engine. 1,502,918; July 29.
Sealey, David A., New York, N. Y. Balanced diaphragm for sound transmitters. 1,503,011; July 29.
Secrest, George R., Melfae, Mont., assignor of one-half to J. H. Kifer, Hardin, Mont. Heater. 1,502,750; July 29.
Seib, Frank A., Detroit, Mich. Shoe. 1,502,919; July 29.
Seidel, Julius, et al. (See Sargent, William H., assignor.)
Seigle, William R., New York, N. Y. Insulation fabric. 1,503,337; July 29.
Semlear, Harry, jr. (See Hildick, W. H., and Semlear.)
Sendig, Max H., assignor of one-third to R. E. Sendig and one-third to C. M. Kruger, St. Louis, Mo. Ignition device. 1,502,687; July 29.
Sendig, Rudolf E., et al. (See Sendig, Max H., assignor.)
Serafini, Angelo, Erie, Pa. Automobile wheel chain mechanism. 1,503,012; July 29.
Severns, William, Chicago, Ill. Mop. 1,502,688; July 29.
Sewell, Edgar S., West Scarboro, Me. Valve gear for internal-combustion engines. 1,503,384; July 29.
Seyfarth, Edward, Dixon, Ill. Method and means of merchandising piece goods. 1,502,689; July 29.
Seyler, Lester J., Port Arthur, Ontario, Canada. Stake windlass. 1,502,965; July 29.

Seymour, Benjamin F., Washington, D. C. Vehicle body suspension. 1,503,065; July 29.
Seymour, Benjamin F., Washington, D. C. Resilient transmission and bearing. 1,503,137; July 29.
Shaffer, James F. (See Shaffer, Robert R. and J. F.)
Shaffer, Robert R. and J. F., Crawfordsville, Iowa. Float valve. 1,503,433; July 29.
Shallcross Control Systems Co. (See Shallcross, Wilmer M., assignor.)
Shallcross, Wilmer M., assignor to Shallcross Control Systems Co., Milwaukee, Wis. Furnace. 1,502,886; July 29.
Shallenberg, Walter A., Salem, Ohio. Air compressor for motor vehicles. 1,502,751; July 29.
Shannon, S. Q., assignor to D. R. Morrison, Los Angeles, Calif. Auto lock and traction device. 1,503,210; July 29.
Sharon Hardware Manufacturing Company. (See Howatt, John B., assignor.)
Shartle Brothers Machine Company, The. (See Shartle, Charles W., assignor.)
Shartle, Charles W., assignor to The Shartle Brothers Machine Company, Middletown, Ohio. Producing paper pulp and apparatus therefor. 1,503,138; July 29.
Shaw, John K., Minneapolis, assignor to C. F. Dahlberg, St. Paul, Minn. Plaster board having hard and soft portions. 1,503,211; July 29.
Shettlemore, Walter E., Chicago, Ill. Signal-light casing. Des. 65,354; July 29.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Buckle. 1,503,338; July 29.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Work-holding means for stapling machines or the like. 1,503,339; July 29.
Shikora, Fred R., and T. R. Lewers, Kelowna, British Columbia, Canada. Orchard heater. 1,503,066; July 29.
Showers, Ernest S., Michigamme, Mich. Child's vehicle. 1,503,067; July 29.
Shull, William G., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,503,252; July 29.
Shwayder, Maurice B., Denver, Colo. Attaching plate for suitcases or similar articles. Des. 65,335; July 29.
Sibley, Frederick H., Reno, Nev., assignor to Maximum Power Co., Wilmington, Del. Oil-well pumper. 1,502,690; July 29.
Siegenthaler, Fred, et al. (See Meyer, Joseph K., assignor.)
Signode System, Inc. (See Guenther, Arthur G. G., assignor.)
Sills, Clarence F. (See Craig, E. T., and Sills.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Wheel hub. 1,502,920; July 29.
Simmons Company. (See Gail, John F., assignor.)
Simon, Philip H., Huntington, Ind. Mop. 1,503,385; July 29.
Sims, Orion. (See Davis, Thomas A., assignor.)
Sinclair, Harry M., Toledo, Ohio. Cleaning composition. 1,503,253; July 29.
Sinko, John A. (See Lippert, A. C., and Sinko.)
Sippel, Ernest H., and H. H. Hager, assignor, by mesne assignments to The Electric Auto-Lite Company, Toledo, Ohio. Armature-winding machine. 1,503,254; July 29.
Sisisky, Samuel. (See Bousquet, William J., assignor.)
Skinner Automotive Device Co. (See Skinner, Ralph L., assignor.)
Skinner, Ralph L., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif. Internal-combustion-engine oil and fuel appliance. 1,502,921; July 29.
Skinner, Ralph L., Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif. Internal-combustion-engine construction. 1,502,922; July 29.
Skinner, Ralph L., Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif. Piston for internal-combustion engines. 1,502,923; July 29.
Sladek, Louis J., Sycamore, Ill. Inflating nozzle and tire gauge. 1,503,068; July 29.
Sliger, Leonard, Indianapolis, Ind. Relief valve for internal-combustion engines. 1,502,753; July 29.
Slobin, Louis, Newark, N. J. Corner fastening for beds. 1,503,434; July 29.
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smidth, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smith, Frederick W. (See Walker, Herbert A., assignor.)
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,503,069; July 29.
Smith, John B., assignor to Western Cartridge Company, East Alton, Ill. Detonating or blasting cap. 1,502,754; July 29.
Smith, John W., Philadelphia, Pa. Propeller blade. 1,503,170; July 29.
Smith, Louie F., South Houston, assignor of one-half to G. D. Collins, Houston, three-eighths to J. A. Henson, and one-eighth to M. Collins, Harris County, Tex. Oil burner. 1,502,691; July 29.
Smith, Mildred K., Mount Vernon, N. Y., assignor of one-half to L. W. Robertson, Scottsdale, Ariz. Doll. Des. 65,356; July 29.
Smythe, Jonathan P., Washington, D. C. Water heater. 1,502,802; July 29.
Snyder, Almond H., Lancaster, N. Y., assignor to Gould Storage Battery Company. Storage battery. 1,503,070; July 29.
Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Rebound controller. 1,502,755; July 29.
Société Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Delevoye, R. E. C., and Dumaine, assignors.)
Société Anonyme des Ateliers de Sécheron. (See Werz, Jacob, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Sommer, Hugo H., Madison, Wis. Ice-cream-overrun tester. 1,502,967; July 29.
Soots, Burl, J. Klancher, H. A. Magrath, and G. Van Brimer, Pueblo, Colo. Safety reverse ratchet brake. 1,503,139; July 29.
Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)
Sperry Gyroscope Company, The. (See Tanner, Harry L., assignor.)
Sphinx Sanitary Appliance Co. (See Gimurtsina, Christos, assignor.)
Spooner, Lee R., and P. L. Gray, Watertown, S. Dak. Coin-control lock for vending machines. 1,503,071; July 29.
Spooner, Lee R., and P. L. Gray, Watertown, S. Dak. Vending machine. 1,503,072; July 29.
Spray Engineering Company. (See Parker, Lee H., assignor.)
Stahl, Karl, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Airship goudola. 1,503,140; July 29.
Stahl, Karl, assignor to the Firm: Luftschiffbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Shock absorber for aerial vehicle. 1,503,386; July 29.
Standard Chain Company, Inc., of the State of Minnesota. (See Kittelson, Halmer C., assignor.)
Standard Sealing Equipment Corporation. (See Kimball, W. D., and Rideout, assignors.)
Stanley, Charles A., Wichita, Kans. Inductive static drain for oil-storage tanks. 1,502,924; July 29.
Star Rebound Controller Company, The. (See Snyder, Jacob R., assignor.)
State Street Trust Company, trustee. (See Howard, Stanley R., assignor.)
Steinau, Norvin J., Louisville, Ky. Advertising display signs. 1,503,212; July 29.
Steinberger, Louis, Brooklyn, N. Y. Insulated connecter. 1,503,073; July 29.
Stephens, John R., et al. (See Prator, Ernest P., assignor.)
Stephenson, Leonard D., Auburn, Calif. Hub and spoke connection. 1,503,435; July 29.
Stern, Herman, et al. (See Klepper, Eberhard, assignor.)
Sterrett, Walter R., Carnegie, assignor to H. L. Dixon Company, Pittsburgh, Pa. Leer conveyer. 1,502,692; July 29.
Stevens, Enoch P., deceased, Morgan Park, Chicago, Ill.; M. A. Stevens, executrix. Kiln. 1,503,455; July 29.
Stevens, Mary A., executrix. (See Stevens, Enoch P.)
Stickle, Frederick A., assignor, by mesne assignments, to The Lunkenheimer Company, Cincinnati, Ohio. Rewirable metal screen. 1,502,893; July 29.
Stiles, John C., et al. (See Grinham, Frederick, assignor.)
Stinson, Harold S., St. Louis, Mo. Adding machine. 1,503,171; July 29.
Stirling, Clarence C., Hartford, Conn. Electric switch. 1,503,141; July 29.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,503,213; July 29.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Induction relay. 1,503,255; July 29.
Stone, Charles W., Schenectady, N. Y., assignor to General Electric Company. Projectile. 1,502,925; July 29.
Storrs, Aaron P., assignor to Storrs Mica Company, Owego, N. Y. Transparency and making the same. 1,502,694; July 29.
Storrs Mica Company. (See Storrs, Aaron P., assignor.)
Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Intermediate product and the manufacture of the same. 1,503,172; July 29.
Strnad, Louis G., Chicago, Ill. Toothbrush and paste holder. Des. 65,357; July 29.
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Strong Scott Manufacturing Company, The. (See Little, Philip, jr., assignor.)
Stroppel, Rudolf. (See Nemecek, M. V., and Stroppel.)
Stuart, Barnwell S. (See Read, Henry, assignor.)
Sturges, Arthur H., Omaha, Nebr. Fuel-saving device. 1,503,387; July 29.
Sullivan, Raymond H., assignor to North East Electric Company, Rochester, N. Y. Vibratory regulator. 1,503,214; July 29.
Sundh, August, Hastings upon Hudson, N. Y., and W. Westerman, Detroit, Mich. Indicator for mills. 1,502,695; July 29.

Suren, Nathan H., Needham, assignor to Gamewell Fire Alarm Telegraph Company of Newton Upper Falls, Mass. Fire-alarm system. 1,503,439; July 29.
Susseles, Abraham, Brooklyn, N. Y. Display device. 1,503,142; July 29.
Suter, John H., Los Angeles, Calif. Method of and means for fuel injection for internal-combustion motors. 1,502,926; July 29.
Sutphin, Samuel B., et al. (See Klepper, Eberhard, assignor.)
Swartz, Albert. (See Reed, John H., assignor.)
Sweet, Harrison S., Utica, N. Y. Fluid-pressure brake. 1,502,927; July 29.
Swensen, Abraham, deceased, Minneapolis, Minn.; M. Swensen, special administratrix. Adjustable ventilator device. 1,502,887; July 29.
Swensen, Mary, special administratrix. (See Swensen, Abraham.)
Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Plate clamp and headline marker for printing presses. 1,503,074; July 29.
Swift, George W., Jr., Inc. (See Swift, George W., jr., assignor.)
Syracuse, Paul. (See Jurk, A. H., and Syracuse.)
Syracuse Washing Machine Corporation. (See Hedglon, Mead, assignor.)
Taber, Lurl, Detroit, Mich. Silo. 1,503,388; July 29.
Tanner, Harry L., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Vertical gyroscopic compass. 1,503,436; July 29.
Taylor, Lester M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for gas engines. 1,503,075; July 29.
Taylor, Matthew A., Los Angeles, Calif. Stamp-affixing device. 1,503,389; July 29.
Tenney, Dwight, New York, N. Y., assignor to Franklin Baker Company, Philadelphia, Pa. Paring machine. 1,503,390; July 29.
Teske, Julius F., Mobridge, S. Dak. Folding bed for automobiles. 1,503,391; July 29.
Thomas, Herbert L. (See Glish, W., and Thomas.)
Thomson, Alexander, Sourlake, Tex. Wash-pipe valve. 1,502,696; July 29.
Thompson, Arthur W., Ottawa, Ontario, Canada. Combined pump and distributor. 1,502,756; July 29.
Thompson, James L., Greensburg, Pa. Storage-battery tester. 1,502,928; July 29.
Thompson, John T., (Wolverhampton) Limited. (See Jeavons, Albert, assignor.)
Thompson, Robert G., Seattle, Wash. Fuel-saving device. 1,503,215; July 29.
Tilliman, Ferdinand J., assignor to Yard-O-Meter Corporation, St. Louis, Mo. Calculating machine. 1,503,076; July 29.
Timmons, William H., et al. (See Martin, Trevillie O., assignor.)
Titus, George S., and F. M. Grout, Minneapolis, Minn. Making leavened bread. 1,502,888; July 29.
Tolk, George, and A. H. Rosenbaum, Brooklyn, N. Y. Telephone attachment casing. Des. 65,358; July 29.
Tomasek, Frank, Chicago, Ill. Automobile bumper. Des. 65,359; July 29.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Sectional grinding wheel. 1,502,697; July 29.
Tooley, Edwin H., Oshawa, Ontario, Canada, assignor to A. L. Honeker, Wallace, Idaho. Powder dispenser. 1,502,698; July 29.
Toronto Power Company, The. (See Allan, William G., assignor.)
Townsend, James S., Charleston, S. C., dedicated, by mesne assignments, to the citizens of the United States of America. Attachment for roller cotton gins. 1,503,077; July 29.
Traubel, Henry J., Cresskill, N. J. Amusement railway. 1,502,699; July 29.
Treacy, Irene C., administratrix. (See Cleary, T. J., and Quinn.)
Tucker, Henry T., Fort Smith, Ark. Polish mop. 1,502,968; July 29.
Tufts, Philip E., Delisle, assignor to G. A. Ferguson, Saskatoon, Saskatchewan, Canada. Grain-car door. 1,503,173; July 29.
Turkington, Victor H., Chicago, Ill., assignor to Bakelite Corporation, New York, N. Y. Cold-molding process and product thereof. 1,503,392; July 29.
Tuttle, James K., Oakland, Calif. Olive-stuffing machine. 1,502,929; July 29.
Twardowsky, John, assignor to Universe Corporation, Chicago, Ill. Door latch. 1,503,393; July 29.
Tweddle, Thomas. (See Davis, William R., assignor.)
Twyman, Frank, assignor to Adam Hilger, Limited, London, England. Annealing and apparatus used therein. 1,502,969; July 29.
Uher, Frank J., Berwyn, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter attachment. 1,503,216; July 29.
Underwood Typewriter Company. (See Renz, George W., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Uher, Frank J., assignor.)
Union Special Machine Company. (See Berger, Joseph, assignor.)
Union Special Machine Company. (See Hughes, Charles R., assignor.)
Union Switch and Signal Company, The. (See Grondahl, L. O., and Howard, assignors.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Universe Corporation. (See Twardowsky, John, assignor.)
Upton, Charles A., St. Paul, Minn. Lawn edger. 1,503,143; July 29.
Vacher, Clement, Kelowna, British Columbia, Canada. Sprayer. 1,503,394; July 29.
Vallez, Henry A., Bay City, Mich. Cake cutter for filter presses. 1,502,700; July 29.
Van Breiner, George. (See Soots, B., Klancher, Magrath, and Van Breiner.)
Van Der Bijl, Hendrik J., Pretoria, South Africa, assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and system for radio-signaling. 1,502,889; July 29.
Van Houten, Augustus S., Newark, N. J. Artificial denture. 1,502,970; July 29.
Van Nostrand, Abraham, Sea Cliff, N. Y. Loose-leaf check book and flexible binder therefor. 1,502,757; July 29.
Van Valkenburg, Hermon L., Milwaukee, Wis. Panel board. 1,503,340; July 29.
Vasgreen, Con J., Mogollon, N. Mex. Clothes pounder. 1,503,395; July 29.
Veasey, John H., Johannesburg, Transvaal, South Africa. Clamp. 1,502,890; July 29.
Verona Chemical Co. (See Ehrlich, Jacob, assignor.)
Victor Rubber Company, The. (See Berlin, Harry S., assignor.)
Viehmann, Nikolas. (See Nagy, Stephen, assignor.)
Villaul, Joseph, Brooklyn, N. Y. Figure wheel toy. 1,502,758; July 29.
Vincent, Louis N., assignor to Imperial Steam Appliance Company, Seattle, Wash. Flange lubricator. 1,503,174; July 29.
Voigt, Edmund, Chicago, Ill. Electrolysis suspension hook. 1,503,396; July 29.
Voisard, Louis F., assignor to The Plymouth Stamped Metal Company, Galion, Ohio. Machine for making shoe-trees. 1,502,891; July 29.
Von Soden-Fraunhofen, Graf Alfred, assignor, by mesne assignments, to Zahnradfabrik Gesellschaft, Friedrichshafen, Germany. Change-speed gear. 1,502,701; July 29.
Voulgares, John A., Cleveland, Ohio. Hat-renovating apparatus. 1,503,217; July 29.
Vulcan Iron Works. (See Damon, George B., assignor.)
Vultex Limited. (See Schidrowitz, Philip, assignor.)
Wacker, Henry, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Facing cover for wheel assemblies. 1,503,397; July 29.
Wade, Charles E., assignor to Jefferson Forge Products Company, Detroit, Mich. Metal wheel. 1,502,759; July 29.
Wagner, Hugh K., et al. (See Grinham, Frederick, assignor.)
Wagner, Louis H., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Grain-saving device for thrashing machines. 1,502,702; July 29.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Lantern. Des. 65,360; July 29.
Walker, Herbert A., Fullerton, assignor to F. W. Smith, Whittier, Calif. Brake drum or the like. 1,503,175; July 29.
Wallace, Abraham, Oakland, Calif. Toothbrush. 1,502,971; July 29.
Wallbillich, Anthony F., Newark, N. J., assignor, by mesne assignments, to Distance Speed Recording Company, New York, N. Y. Speed indicator and recorder. 1,503,078; July 29.
Walling, Joseph M., Houston, Tex. Auxiliary tire carrier. 1,502,703; July 29.
Walsh, Henry J. (See Walsh, John P., assignor.)
Walsh, John P., Cambridge, Mass., assignor to H. J. Walsh, Syracuse, N. Y. Nonskid attachment for vehicle wheels. 1,503,079; July 29.
Walz, Fredrick, Burnside, Conn. Automatically-closing wrench. 1,502,892; July 29.
Ward, Harris G., Seattle, Wash. Street indicator for passenger vehicles. 1,502,893; July 29.
Waring, James H., assignor of one-half to G. E. Zirkelbach, Milwaukee, Wis. Collapsible-tube holder. 1,503,176; July 29.
Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)
Warwick, Rogers M., Eastlake, Fla., assignor of one-half to D. W. Lester, Wilmette, Ill. Dispensing cardcase. 1,503,144; July 29.
Way, John F., Yantic, Conn. Starting gauge for looms. 1,503,398; July 29.
Webb, John E., McGregor, Iowa. Hypodermic needle. 1,503,399; July 29.
Webb, John E., McGregor, Iowa. Fishhook. 1,503,400; July 29.

Weber, Charles. (See Weber, Kenneth L., assignor.)
Weber, Kenneth L., Augusta, Ga., assignor of one-third to C. Weber, Cincinnati, Ohio. Mold. 1,502,803; July 29.
Wechsler, David, New York, N. Y. Photogalvanograph. 1,503,401; July 29.
Wedig, John H., Granite City, Ill. Hypotubule syringe. 1,503,218; July 29.
Wedig, John H., Granite City, Ill. Hypoampul syringe. 1,503,219; July 29.
Wedig, John H., Granite City, Ill. Hypodermic syringe. 1,503,220; July 29.
Weiffenbach, Casper, assignor to Harvey-Hanes Machine Corporation, Buffalo, N. Y. Apparatus for filling and weighing cans. 1,503,402; July 29.
Weiler, Max, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Triarylmethane dye. 1,503,177; July 29.
Wells, George F., San Francisco, Calif. Waffle iron. —Des. 65,361; July 29.
Wendling, Frank S. (See Frolick, George N., assignor.)
Wendling, George X., San Francisco, Calif. Lock-joint receptacle. 1,503,178; July 29.
Wentorf, Robert H., West Bend, Wis., assignor to West Bend Aluminum Company. Valve. 1,503,145; July 29.
Werhan, Mack P., Bennington, Kans. Automatic water cut-off. 1,502,930; July 29.
Werz, Jacob, assignor to Société Anonyme des Ateliers de Sécheron, Geneva, Switzerland. Device for transmitting the rotary motion of a motor to the wheels of vehicles. 1,503,221; July 29.
West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
Westerman, William. (See Sundh, A., and Westerman.)
Western Cartridge Company. (See Smith, John B., assignor.)
Western Electric Company. (See Van Der Bijl, Hendrik J., assignor.)
Westinghouse Air Brake Company, The. (See Broussouse, Fernand L., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Lane, George S., assignor.)
Westinghouse Air Spring Company. (See McElroy, John J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Frost, Leslie E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Jorstad, Osmund M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kempton, Willard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kintner, Samuel M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Pupin, M. I., and Armstrong, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sandin, M. J., and MacNeill, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Taylor, Lester M., assignor.)
Westmoreland Specialty Company. (See Horn, Gustav A., assignor.)
Wethling, Harry D., Orange, N. J. Electric permutation lock. 1,503,403; July 29.
Wheeler, William I., Scottville, Ill. Power-transmission mechanism. 1,503,404; July 29.
Wheeler, William I., Scottville, Ill. Safety device for vehicles. 1,503,405; July 29.
Wheeler, William I., Scottville, Ill. Template. 1,503,406; July 29.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Dynamo-electric machine. 1,502,931; July 29.
Whitaker-Glessner Company. (See Kiellberg, Henry, assignor.)
Whitson, Lincoln L., assignor of one-fourth to H. L. Harding and G. A. Harding, Van Nuys, Calif. Oil gauge for crank cases. 1,503,179; July 29.
Wilcke, Oscar, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Bomb-throwing device. 1,503,407; July 29.
Williams, Guy R., Attleboro, Mass. Garment-marking device. 1,503,080; July 29.
Williams, Horace S., Brooklyn, N. Y. Paper-cutting machine. 1,503,408; July 29.
Willis, Donald W., Canton, Ohio. Spark plug. 1,503,081; July 29.
Wilson, Henry M. (See Wilson, Hiram N., assignor.)
Wilson, Hiram N., assignor to H. M. Wilson, Omaha, Nebr. Safety tire valve. 1,502,704; July 29.
Wilson, John, and Sons, Limited. (See Wilson, Samuel S., assignor.)
Wilson, Samuel S., Meyerton, assignor to John Wilson and Sons, Limited, Johannesburg, Transvaal, South Africa. Manufacturing tiles, sheets, and other articles or products from asbestos or like materials. 1,503,409; July 29.
Windham, William W., Olympia, Wash. Plumb bob. 1,502,804; July 29.
Windish, Fred, assignor of one-half to M. Rudzik, Hartford, Conn. Safety pressure device. 1,503,180; July 29.
Winter, Thomas N., Delaware, Ohio. Automobile spring. 1,503,181; July 29.
Wisner, James T., New York, N. Y. Device for forming hollow articles of plastic material. 1,502,805; July 29.
Witherow Steel Company. (See Witherow, William P., assignor.)
Witherow, William P., Pittsburgh, assignor to Witherow Steel Company, Neville Island, Pa. Die rolling. 1,502,705; July 29.
Witt, Carl A., Los Angeles, Calif. Motor-meter mounting. 1,503,146; July 29.
Wittstein, Charles T. and F. H., Newark, N. J. Monogram medallion ring. Des. 65,362; July 29.
Wittstein, Francis H. (See Wittstein, Charles T. and F. H.)
Wohl, Samuel. (See Glass, S., and Wohl.)
Woodbridge, Joseph L., Philadelphia, Pa. Means for interconverting alternating and direct current. 1,503,440; July 29.
Woodcock, Byron E., E. F. Monnin, and A. C. Reese, Scranton, Pa. Traverse mechanism. 1,503,441; July 29.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Worcester Electric Tool Company. (See Ojerholm, Arthur W., assignor.)
Worthington Pump and Machinery Corporation. (See Aborn, George P., assignor.)
Wright-Buncher Mfg. Co. (See Wright, Roland T., assignor.)
Wright, Roland T., assignor to Wright-Buncher Mfg. Co., St. Louis, Mo. Spark plug. 1,503,182; July 29.
Wynn, Mabel, Los Angeles, Calif. Combination washcloth and doll. Des. 65,363; July 29.
Yard-O-Meter Corporation. (See Tillman, Ferdinand J., assignor.)
Yates Machine Company. (See Yates, Thomas J., assignor.)
Yates, Thomas J., assignor to Yates Machine Company, Salem, Mass. Combined closure and marker for bags. 1,503,410; July 29.
Young, Wilbur L., Fort Wayne, Ind., assignor to General Electric Company. Electric heater. 1,502,932; July 29.
Young, William T., et al. (See Martin, Trevillie O., assignor.)
Zahnradfabrik, Gesellschaft. (See Von Soden-Fraunhofen, Graf A., assignor.)
Zeidler Economy Spring Pad Co. (See Zeidler, William A., assignor.)
Zeidler, William A., assignor to Zeidler Economy Spring Pad Co., Inc., New York, N. Y. Pad for laundry and other machines. 1,503,147; July 29.
Zimmerman, Frank J., Modesto, Calif. Apparatus for testing battery jars. 1,503,411; July 29.
Zirkelbach, George E. (See Waring, James H., assignor.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Absorbent pad. E. Fabricius-Bjerre. 1,503,359; July 29.
Acid, Production of concentrated nitric. E. Bergve. 1,503,259; July 29.
Adding machine. H. S. Stinson. 1,503,171; July 29.
Advertising-card holder. R. A. Johnston. 1,502,782; July 29.
Aerial transporter. H. H. B. Marrian and E. E. Carver. 1,502,997; July 29.
Aeroplane. W. Calagans. 1,503,297; July 29.
Air and other fluids, Compressor of. F. L. Broussouse. 1,503,261; July 29.
Air circulator. R. W. Menk. 1,502,862; July 29.
Aircraft-arresting device. R. E. Bassler. 1,502,653; July 29.
Aircraft, Heat-transfer system for. H. F. Parker. 1,503,374; July 29.
Air-heating means. P. Little, jr. 1,502,858; July 29.
Airship gondola. K. Stabl. 1,503,140; July 29.
Airships, Skeleton framework construction for. K. Arnstein. 1,503,293; July 29.
Air spring. Automatic. J. J. McElroy. 1,503,274; July 29.
Ankle tension board and arch developer. F. M. Friesell. 1,502,947; July 29.
Annealing and apparatus used therein. F. Twyman. 1,502,969; July 29.
Antennæ tuning system. F. Conrad. 1,502,848; July 29.
Antioffset device, Portable. J. R. Blaine. 1,503,224; July 29.
Antiskid device. V. F. Rejček. 1,502,878; July 29.
Antislipping device. J. J. Ehmen. 1,502,718; July 29.
Armature-winding machine. E. H. Sippel and H. H. Hager. 1,503,251; July 29.
Asynchronous motor. F. Deflassieux. 1,502,909; July 29.
Auto lock. J. M. Allen. 1,502,933; July 29.
Auto lock. C. J. Connors. 1,502,809; July 29.
Auto lock and traction device. S. Q. Shannon. 1,503,210; July 29.
Automatically-closing wrench. F. Walz. 1,502,892; July 29.
Automobile brake. J. E. Beard. 1,503,412; July 29.
Automobile bumper. A. Ježek. 1,503,049; July 29.
Automobile bumper. F. Tomasek. Des. 65,359; July 29.
Automobile direction indicator. H. T. Cox. 1,502,940; July 29.
Automobile doors, Connecter for demountable. M. R. Hull. 1,503,419; July 29.
Automobile engines, Radiator cap for water-cooled. F. Fitchett. 1,503,187; July 29.
Automobile hat rack. J. A. Campbell. 1,503,298; July 29.
Automobile signal. J. F. Archer. 1,503,103; July 29.
Automobile signal. F. Bauer. 1,503,108; July 29.
Automobile spring. T. N. Winter. 1,503,181; July 29.
Automobile tread chain. H. C. Kittelson. 1,503,191; July 29.
Automobile wheel chain mechanism. A. Serafini. 1,503,012; July 29.
Automobile wrench. J. A. Clay. 1,503,349; July 29.
Automobiles, Spring cover for. O. F. Anderson. 1,502,649; July 29.
Awning. D. H. Harnly. 1,502,774; July 29.
Azodyestuffs, New. J. Haller. 1,503,044; July 29.
Bacon, Device for removing rind from. A. J. Nehring. 1,503,003; July 29.
Badge or similar article. L. L. Kinner. Des. 65,343; July 29.
Bag: *See*—
Traveling bag.
Bagasse fibers, Preventing the deterioration of. T. B. Munroe. 1,503,202; July 29.
Bags, Combined closure and marker for. T. J. Yates. 1,503,410; July 29.
Baler. P. Bailey. 1,503,183; July 29.
Band-saw joint and making same. C. L. Ericson. 1,503,310; July 29.
Bar: *See*—
Cow bar.
Barrel making, Steel-. C. T. Draper. 1,503,038; July 29.
Baseball cover. B. Kennedy. 1,502,784; July 29.
Battery: *See*—
Storage battery.
Battery construction. D. Rosen and C. Schickerling. 1,503,380; July 29.
Battery jars, Apparatus for testing. F. J. Zimmerman. 1,503,411; July 29.
Bearing for hydraulic machines, Shaft. J. Overn, jr. 1,503,459; July 29.
Bearing, Thrust. G. E. Luce. 1,502,859; July 29.
Bearings, Automatic bolt adjustment for. G. L. Miller. 1,502,737; July 29.
Bed for automobiles, Folding. J. F. Teske. 1,503,391; July 29.
Beds, Corner fastening for. L. Slobin. 1,503,434; July 29.
Belt and making same. E. G. Kimmich. 1,503,453; July 29.
Belt fastener. H. Haupt. 1,503,322; July 29.
Belts, Troughing support for conveyer. C. K. Baldwin and M. J. Pos. 1,502,976; July 29.
Bib. E. A. Crawford and G. P. La Mere. 1,503,117; July 29.
Binding machine, Concealed-stitch. C. R. Hughes. 1,502,778; July 29.
Bit: *See*—
Drill bit.
Block: *See*—
Loom shuttle block.
Board: *See*—
Panel board. Sounding board.
Plaster board.
Boat propulsion. H. F. Effertz. 1,503,232; July 29.
Bolt: *See*—
Shackle bolt.
Bomb-throwing device. O. Wilcke. 1,503,407; July 29.
Book and flexible binder therefor, Loose-leaf check. A. Van Nostrand. 1,502,757; July 29.
Book cover. R. J. Copeland. 1,502,979; July 29.
Bottle holder. G. A. Barton. 1,503,016; July 29.
Bowl or similar article. G. A. Horn. Des. 65,338; July 29.
Box: *See*—
Cigarette and match box. Money box.
Hat box.
Box. G. Hornecker. 1,503,161; July 29.
Box. J. G. Huye. 1,502,780; July 29.
Box and receptacle file, Combined candy. H. Dilas. 1,502,910; July 29.
Bracelet. G. D. Harrison. 1,503,445; July 29.
Bracket: *See*—
Shade and curtain bracket. Support bracket.
Brake: *See*—
Automobile brake. Vehicle brake.
Fluid-pressure brake. Wagon brake.
Ratchet brake.
Brake-actuating mechanism. R. E. C. Delevoye and E. A. F. Dumaine. 1,503,350; July 29.
Brake drum or the like. H. A. Walker. 1,503,175; July 29.
Brasslère. S. Baruch. 1,502,762; July 29.
Bread, Making leavened. G. S. Titus and F. M. Grout. 1,502,888; July 29.
Brick, and wall construction. G. E. Luce. 1,503,327; July 29.
Briquetting. G. B. Damon. 1,503,304; July 29.
Brush, Phonograph-record-cleaning. J. L. Mikovits and F. Petersell. 1,503,058; July 29.
Brushes, Back for. H. S. Baird. 1,503,014; July 29.
Buckle. L. W. Shields. 1,503,338; July 29.
Buckle base. A. V. Brown. 1,503,020; July 29.
Buckle, Belt. N. C. Govis. 1,502,771; July 29.
Burner: *See*—
Oil burner.
Burner. W. Gösmann. 1,503,042; July 29.
Butter-slicing machine. J. K. Meyer. 1,503,201; July 29.
Button, Cuff. S. F. Bernardini and P. Della Casse. 1,502,899; July 29.
Cabinet, Record. M. A. Mousel. 1,503,330; July 29.
Cable end bell. F. E. Getts. 1,503,235; July 29.
Cage, Bird. W. F. Schleich. 1,502,748; July 29.
Calculating machine. H. Herlitz. 1,502,952; July 29.
Calculating machine. F. J. Tillman. 1,503,076; July 29.
Calculator. G. L. Canon. 1,503,299; July 29.
Call-distributing system. H. D. Currier and G. R. Eaton. 1,503,096; July 29.
Camera, Automatic film-winding. E. C. Clark and J. F. Pelhemus. 1,503,300; July 29.

Cameras whereby panoramic-view photographs can be produced, Apparatus for attachment to photographic. F. F. James. 1,503,437; July 29.
Can-capping machine. M. V. Nemecek and R. Stroppel. 1,502,869; July 29.
Cans, Apparatus for filling and weighing. C. Weiffenbach. 1,503,402; July 29.
Cap, Adjustable. J. Rosenzweig. 1,503,007; July 29.
Cap, Hinged. M. B. Loetscher. 1,502,996; July 29.
Cap, Ventilated. J. Kaufman. 1,502,856; July 29.
Capping machine. F. M. Dalrymple. 1,503,034; July 29.
Car, Automotive railway. H. Ford. 1,503,454; July 29.
Car, Construction. E. G. Carr. 1,502,846; July 29.
Car door, Grain-. P. E. Tufts. 1,503,173; July 29.
Car-door mechanism. C. M. Kemper. 1,502,783; July 29.
Car, Finger-course unit. C. E. Fuller. 1,503,452; July 29.
Car roof. C. D. Bonsall. 1,502,656; July 29.
Carburizing box and the like and making same. P. A. E. Armstrong. 1,502,973; July 29.
Cardcase, Dispensing. R. M. Warwick. 1,503,144; July 29.
Card, Playing. H. Read. Des. 65,350; July 29.
Cards and grouped cigarettes, Assembling apparatus for. G. C. Ekström, B. A. E. Johnson, and G. Örström. 1,503,355; July 29.
Carrier: *See*—
Change carrier. Tire carrier.
Luggage carrier.
Cartridge-reloading tool. L. H. Hueter. 1,502,824; July 29.
Case: *See*—
Cardcase. Vanity case.
Toilet case.
Caster socket. W. H. McAllister. 1,503,328; July 29.
Catalytic heating method and apparatus. C. Berger. 1,502,807; July 29.
Catamenial appliance. C. Gimurtsina. 1,503,361; July 29.
Catching-off machine. P. Hoyoux. 1,503,188; July 29.
Ceiling rosette. W. Bolton, jr., and N. M. Paull. 1,502,655; July 29.
Centrifugal drier. H. C. Law. 1,502,677; July 29.
Change carrier. A. Beck. 1,502,710; July 29.
Change maker. A. Beck. 1,502,709; July 29.
Charm. A. J. Brown. Des. 65,325; July 29.
Chart, Astrological. B. Bart. 1,502,761; July 29.
Chart, Cooking. M. T. Fisher. 1,502,850; July 29.
Check protector. B. Saad. 1,503,382; July 29.
Check, Safety bank. W. R. Davis. 1,502,981; July 29.
Churns, Closure means for milk. S. Hole. 1,502,673; July 29.
Cigar-bunching machine. B. and L. Liberman and W. M. Reichart. 1,502,995; July 29.
Cigar clipper and lighter. L. V. Aronson. 1,502,974; July 29.
Cigarette and match box. A. Rybicky. 1,503,008; July 29.
Circuit-without sparking, Device for cutting an inductive resistance out of. J. Pfretzschner. 1,503,376; July 29.
Circuits, Means for testing track. A. B. Barnett. 1,502,934; July 29.
Clamp: *See*—
Universal clamp.
Clamp. J. H. Veasey. 1,502,890; July 29.
Clasp: *See*—
Cover-fastening clasp.
Cleaner: *See*—
Windshield cleaner.
Cleaning composition. H. M. Sinclair. 1,503,253; July 29.
Cleaning compound. W. Kuykendall. 1,503,450; July 29.
Cleaning device. F. I. Phoenix and A. H. Behrman. 1,502,798; July 29.
Cleaning implement. J. M. Bowen. 1,503,449; July 29.
Clinkers, etc., Rotary cooler for cement. P. T. Lindhard. 1,503,193; July 29.
Clock case. M. Salinger. Des. 65,353; July 29.
Clock, Electric. C. L. Beard. 1,502,840; July 29.
Clock escapement. J. P. and J. V. Armstrong. 1,503,104; July 29.
Clothes pounder. C. J. Vasgreen. 1,503,395; July 29.
Cock, Gauge. W. O. Ashe. 1,502,650; July 29.
Coil-winding machine. J. A. Lewellyn. 1,503,272; July 29.
Coke, Apparatus for quenching. C. K. Baldwin. 1,502,977; July 29.
Cold-molding process and product thereof. V. H. Turkington. 1,503,392; July 29.
Collapsible tube. W. C. Huntoon. 1,502,779; July 29.
Colloidal bodies, Making. C. Ellis. 1,502,945; July 29.
Combination lock. A. Hoffman. 1,502,672; July 29.
Compass, Vertical gyroscopic. H. L. Tanner. 1,503,436; July 29.
Compressor or like device. H. B. Joy. 1,502,914; July 29.
Concrete and wood floor construction device. C. W. Prickett. Re15,881; July 29.
Concrete cap and sill block for building purposes. S. O. Moroso. 1,503,059; July 29.
Concrete construction, Insert for. J. F. Curley. 1,502,766; July 29.
Concrete mold. A. H. Evans. 1,503,358; July 29.
Condenser, Variable. D. S. McCrum. 1,502,860; July 29.
Confection. J. F. Milligan. 1,502,864; July 29.
Confectionery box. A. P. Johnson. Des. 65,340; July 29.
Console set. A. B. Fischer. Des. 65,333; July 29.
Container, Strip-sealed. F. A. Assmann, jr. 1,503,256; July 29.
Control system. S. M. Kintner. 1,502,831; July 29.
Controller, Motor. E. R. Stoekle. 1,503,213; July 29.
Cooking utensil. F. Berger. 1,502,843; July 29.
Copper and the product thereof, Treating. S. B. Leiter. 1,502,857; July 29.
Corn-husking apparatus. F. Lee. 1,502,994; July 29.
Corn-sheller attachment. H. B. Bingman. 1,503,149; July 29.
Corset steels, Process and apparatus for coating. H. H. Leland and G. A. New. 1,503,128; July 29.
Cosmetic jar. G. R. Collins. Des. 65,327; July 29.
Coupling: *See*—
Snaft coupling.
Cover-fastening clasp. A. R. Poole. 1,503,288; July 29.
Cow bar, Clean-. E. J. Franklin. 1,503,039; July 29.
Crank, Safety. E. E. and V. Neldner. 1,503,205; July 29.
Crate for hats, Packing. B. P. Osterman. 1,502,962; July 29.
Cue rack. T. Drost. 1,503,120; July 29.
Cuff fastener. T. A. Davis. 1,503,230; July 29.
Cultivator attachment. J. T. Crawford. 1,503,414; July 29.
Cultivator tooth. C. D. Kirtlan. 1,502,832 July 29.
Current, Means for interconverting alternating and direct. J. L. Woodbridge. 1,503,440; July 29.
Cutter: *See*—
Ensilage cutter. Milling cutter.
Cutting tool. C. Page. 1,502,743; July 29.
Cylinder. R. M. Comiskey. 1,502,906; July 29.
Dehairing machines, Scraping means for carcass-. O. C. Schmidt. 1,502,749; July 29.
Delivery device, Single-article-. B. N. Mulford. 1,503,277; July 29.
Dental appliance. G. E. Perry. 1,503,063; July 29.
Denture, Artificial. A. S. Van Houten. 1,502,970; July 29.
Derrick or crane. A. G. Gray. 1,502,667; July 29.
Derrick, Stiff-leg. A. S. Heffron. 1,502,989; July 29.
Desk. A. S. Falls. 1,503,233; July 29.
Detonating or blasting cap. J. B. Smith. 1,502,754; July 29.
Die-guiding means for forging presses. C. A. Hill. 1,502,722; July 29.
Die rolling. W. P. Witherow. 1,502,705; July 29.
Digger: *See*—
Peanut digger.
Direction signal. C. A. Fruitt. 1,502,664; July 29.
Dishwashing machine. A. J. Mitchell. 1,503,427; July 29.
Dispensing apparatus. C. L. Bastian. 1,503,107; July 29.
Display case and refrigerator, Combined cooler. G. C. Amend. 1,502,872; July 29.
Display device. A. Susseles. 1,503,142; July 29.
Display stand. J. Fazio. Des. 65,332; July 29.
Display stand for pencils. E. C. Kubler. Des. 65,344; July 29.
Doll. M. K. Smith. Des. 65,356; July 29.
Doll, Rag. E. D. Landfear. Des. 65,345; July 29.
Door and window catch. W. G. Scherer. 1,502,801; July 29.
Door-control mechanism, Inwardly-operating. H. G. Ainsworth. 1,502,707; July 29.
Door-hanger mechanism. J. B. Howat. 1,503,364; July 29.
Door latch. J. Twardowsky. 1,503,393; July 29.
Door remover, Grain-. T. C. Hutchinson. 1,502,854; July 29.
Drier: *See*—
Centrifugal drier. Rotary drier.
Drill bit, Magazine rotary. G. W. Gale. 1,502,851; July 29.
Drinking fountain. W. H. Collins. 1,502,847; July 29.
Drying rack. M. P. Sarfaty. 1,502,685; July 29.
Dustguard. F. Hufnagel. 1,502,777; July 29.
Dye, Triarylmethane. M. Weiler. 1,503,177; July 29.
Dyestuffs and making same, Mordant. T. Lombard. 1,503,194; July 29.
Educational appliance, Child's. G. L. E. Klingbeil. 1,502,991; July 29.
Egg separator. H. C. Frenier. 1,502,770; July 29.
Egg tester. T. Graves. 1,502,721; July 29.
Electric-current generators, Power transmission for. K. H. Conley. 1,503,116; July 29.
Electric fixtures, Interchangeable support for. H. D. McFaddin. 1,503,275; July 29.
Electric heater. G. N. Frolick. 1,502,819; July 29.
Electric heater. W. L. Young. 1,502,932; July 29.
Electric machine, Dynamo-. F. P. Whitaker. 1,502,931; July 29.
Electric oscillations by an electric arc, Means for producing. R. Herzog. 1,503,324; July 29.
Electric permutation lock. H. D. Wethling. 1,503,403; July 29.
Electric switch. G. A. Burnham. 1,503,022; July 29.
Electric switch. J. H. Dennedy. 1,502,717; July 29.
Electric switch. C. W. Jameson. 1,502,835; July 29.
Electric switch. C. C. Stirling. 1,503,141; July 29.
Electrical apparatus for automatically controlling peak demands. E. T. Moore. 1,503,130; July 29.

Electricity arrester, High-potential. F. R. Parker. 1,503,284; July 29.
Electrode. W. G. Allan. 1,502,708; July 29.
Electrolysis suspension hook. E. Voigt. 1,503,396; July 29.
Electromagnet. E. R. Carichoff. 1,503,090; July 29.
Emery, carborundum, glass-covered tapes, cloth, or paper, Holder for strips of. W. R. K. Gandell. 1,503,416; July 29.
Engine: *See*—
Explosive engine.
Internal-combustion engine.
Engine construction, Internal-combustion. R. L. Skinner. 1,502,922; July 29.
Engine mounting for steam-propelled vehicles. G. A. Bryan. 1,502,978; July 29.
Engine oil and fuel appliance, Internal-combustion. R. L. Skinner. 1,502,921; July 29.
Engine-starter gearing. M. L. Hillmer and L. O. Parker. 1,502,671; July 29.
Engines, Attachment for gas. J. P. Meyer. 1,503,371; July 29.
Engines, Clutch and flywheel combination for motor-vehicle. T. B. Murray. 1,503,331; July 29.
Engines, Pump for internal-combustion. S. Nagy. 1,503,002; July 29.
Engines, Relief valve for internal-combustion. L. Sliger. 1,502,753; July 29.
Engines, Starting mechanism for gas. L. M. Taylor. 1,503,075; July 29.
Engines, Valve gear for internal-combustion. E. S. Sewell. 1,503,384; July 29.
Ensilage cutter. E. O. O'Dell. 1,502,742; July 29.
Envelopes, Machine for the manufacture of. A. Haas. 1,503,155; July 29.
Evaporating apparatus. W. G. Doern. 1,502,911; July 29.
Eyeleting machine. L. Muther. 1,502,868; July 29.
Eyeshield. P. A. Fleber. 1,502,661; July 29.
Exhaust pipes, Cut-out for. J. C. Beiswenger. 1,502,842; July 29.
Explosive engine T. Keenan. 1,503,267; July 29.
Fabric: *See*—
Insulation fabric.
Fastener, Separable. G. H. Elwell. 1,503,442; July 29.
Feed attachment, Circular-. T. B. Huestis. 1,503,242; July 29.
Feeder, Chicken. F. E Rose. 1,503,335; July 29.
Feed-water-heating system. G. P. Aborn. 1,503,082; July 29.
Fibers for making fabrics and webs, Process of and apparatus for forming bast-wood. J. Klimpfel. 1,502,912; July 29.
Filing receptacle. P. Chipman. 1,503,227; July 29.
Film-splicing apparatus. J. H. McNabb. 1,502,959; July 29.
Filtration accelerator, Production of a. C. F. Ritchie. 1,503,133; July 29.
Finger ring. L. E. Linsey. Des. 65,346; July 29.
Finger ring for crocheting. H. R. Rees. 1,502,799; July 29.
Fire-alarm system. N. H. Suren. 1,503,439; July 29.
Firearm. J. M. Browning. 1,502,658; July 29.
Fire boxes, Arch constructions for. G. C. Denney. 1,503,231; July 29.
Fire extinguisher with a single delivery tube. R. C. Iddings. 1,503,125; July 29.
Fishhook. J. E. Webb. 1,503,400; July 29.
Fishing hook. W. J. Jamison. 1,502,781; July 29.
Flange lubricator. L. N. Vincent. 1,503,174; July 29.
Flash-light apparatus. E. Chasseraux. 1,502,939; July 29.
Floor-polishing machine. B. Huber. 1,503,048; July 29.
Fluid in fluid-distributing systems, Means for controlling flow and pressure of. E. A. Mitchell. 1,503,329; July 29.
Fluid-pressure brake. H. S. Sweet. 1,502,927; July 29.
Flying-boat fuselage. H. E. Krammer. 1,503,052; July 29.
Folding machine. L. Muther. 1,502,867; July 29.
Fountain: *See*—
Drinking fountain.
Frame: *See*—
Transformer frame.
Fuel-feeding devices, Jet agitator for. J. A. Barnard. 1,502,760; July 29.
Fuel-saving device. A. H. Sturges. 1,503,387; July 29.
Fuel-saving device. R. G. Thompson. 1,503,215; July 29.
Funnel. H. G. Parker. 1,503,373; July 29.
Furnace: *See*—
Wash-kettle furnace.
Furnace. W. M. Shelleress. 1,502,886; July 29.
Furnace arch. M. Liptak. 1,502,790; July 29.
Fuse. M. J. Sandin. 1,502,881; July 29.
Fuse and mounting. C. Christensen. 1,503,228; July 29.
Fuse and mounting. E. H. Jacobs. 1,503,266; July 29.
Fuse, Percussion. V. Schläfer. Re15,882; July 29.
Fuse, Refillable. M. J. Sandin. 1,502,882–5; July 29.
Game. W. G. Bishop. 1,503,294; July 29.
Game. E. C. Fohmann. 1,503,415; July 29.
Game apparatus. G. S. Page. 1,503,283; July 29.
Game board. J. Gerberholtz. Des. 65,334; July 29.
Game-score register. D. Fox. 1,502,662; July 29.
Garment hanger. J. Grimberg. 1,503,236; July 29.
Garment-marking device. G. R. Williams. 1,503,080; July 29.
Garments, Protective envelope for. M. D. K. Bremner. 1,503,460; July 29.
Gas regulator. T. J. Cleary and G. F. Quinn. 1,503,301; July 29.
Gases, Apparatus for separating and recovering. O. L. Barnebey. 1,502,897; July 29.
Gases, Apparatus for treating. O. L. Barnebey. 1,502,895; July 29.
Gases, Device for controlling the flow of. T. R. Blanchard. 1,502,654; July 29.
Gasoline gauge. H. G. Lee. 1,502,788; July 29.
Gasoline or other fuel in internal-combustion engines, Apparatus for improving and increasing the useful results obtainable from. F. Grinham. 1,502,772; July 29.
Gate: *See*—
Railway-crossing gate.
Gate. W. J. Brigner. 1,502,937; July 29.
Gauge: *See*—
Gasoline gauge. Micrometer gauge.
Gear, Change-speed. Graf A. von Soden-Fraunhofen. 1,502,701; July 29.
Gear, Draft. G. H. Langton. 1,503,192; July 29.
Gear, Power reverse. A. S. Osbourne. 1,503,280; July 29.
Gearing, Change-speed. A. Laukhuff. 1,502,787; July 29.
Generator: *See*—
Ozone generator. Power generator.
Generator suspension. E. J. Blake. 1,503,086; July 29.
Gins, Attachment for roller cotton. J. S. Townsend. 1,503,077; July 29.
Glass-cutting machine. E. J. Kiefer. 1,502,990; July 29.
Glove. C. H. Noyes. 1,502,871; July 29.
Goggles, Antiglare. W. S. Funk. 1,502,820; July 29.
Golf putter. R. Rimmer. 1,503,291; July 29.
Governor, Electric throttle. J. B. Replogle. 1,502,800; July 29.
Grab. A. E. Norris. 1,503,333; July 29.
Grain huller. R. A. Little. 1,503,423; July 29.
Granite-working tool. E. A. Chase. 1,503,026; July 29.
Granular-materials-dispensing device. C. W. Lanphere. 1,503,127; July 29.
Grates, Method of and apparatus for automatic cleaning and automatic control of mechanical. R. A. Carter, jr. 1,503,092; July 29.
Grinder for coffee and the like. H. L. Johnston. 1,502,675; July 29.
Grinding wheel, Sectional. F. J. Tone. 1,502,697; July 29.
Groundworking member. J. G. Cagle. 1,502,711; July 29.
Gun, Blasting. E. Hutton. 1,503,420; July 29.
Hairdressing appliance. A. H. Bongers. 1,503,295; July 29.
Handle: *See*—
Implement handle.
Hanger: *See*—
Garment hanger.
Harrow. C. F. Matz. 1,503,200; July 29.
Hat. R. Finkelstein. 1,502,720; July 29.
Hat. L. Pizzutiello. 1,503,287; July 29.
Hatbox. P. E. Miller. 1,502,999; July 29.
Hat-renovating apparatus. J. A. Voulgares. 1,503,217; July 29.
Heading machine. C. Fassinger. 1,503,312; July 29.
Headlight. W. D. Ryan. 1,502,683; July 29.
Headlight, Antiglare. W. H. F. W., and G. Hollander. 1,502,723; July 29.
Headlight housing. W. D. Ryan. 1,502,684; July 29.
Headlight of motor cars and like road vehicles. G. F. Hill. 1,502,670; July 29.
Heat from one liquid to another, Apparatus for transmitting. E. Morterud. 1,503,428; July 29.
Heater: *See*—
Electric heater. Water heater.
Orchard heater.
Heater. G. R. Secrest. 1,502,750; July 29.
Heaters, Automatically-operative controlling mechanism for. E. W. Marvel. 1,503,276; July 29.
Heaters, Composition for chemical. O. L. Perrault. 1,502,744; July 29.
Heating apparatus and operating same. H. A. Kieselbach. 1,503,368; July 29.
Hoist, Triple-mast coal. O. E. Barene. 1,503,106; July 29.
Hollow articles of plastic material, Device for forming. J. T. Wisner. 1,502,805; July 29.
Hood, Protective. B. W. Nutt. 1,502,679; July 29.
Hook: *See*—
Electrolysis suspension fishing hook.
hook.
Hook. S. A. Aggers. 1,502,706; July 29.
Hose, Repair device for train-pipe. C. A. Rouzer. 1,503,247; July 29.
Hub and spoke connection. L. D. Stephenson. 1,503,435; July 29.
Hub, Wheel. W. H. Silver. 1,502,920; July 29.
Huller: *See*—
Grain huller.
Humidor. A. R. McComb. 1,502,733; July 29.
Hydroelectric power plant. J. J. Hoppes. 1,503,124; July 29.

Hypodermic needle. J. E. Webb. 1,503,399; July 29.
Ice-cream-can lifter. A. Brunes. 1,503,347; July 29.
Ice-cream-overrun tester. H. H. Sommer. 1,502,967; July 29.
Ignition device. J. H. Reed. 1,502,682; July 29.
Ignition device. M. H. Sendig. 1,502,687; July 29.
Ignition system. J. H. Hunt. 1,502,674; July 29.
Implement handle. W. Schoof. 1,503,251; July 29.
Indicator: *See*—
Automobile direction indicator. Mill indicator.
Tower indicator.
Indicator. T. Bingham. 1,503,345; July 29.
Induction relay. E. R. Stoekle. 1,503,255; July 29.
Inkstand. D. C. Cabalane. Des. 65,326; July 29.
Insecticide. P. R. Jones. 1,502,956; July 29.
Insulated connecter. L. Steinberger. 1,503,075; July 29.
Insulated coupling for electric fixtures. F. L. Butler. 1,502,938; July 29.
Insulated strain rod. W. H. Kempton. 1,502,820; July 29.
Insulation fabric. W. R. Seigle. 1,503,337; July 29.
Intermediate product and the manufacture of the same. F. Straub and H. Schneider. 1,503,172; July 29.
Internal-combustion engine. E. R. Burtnett. 1,503,184; July 29.
Internal-combustion engine. F. C. Martin. 1,503,370; July 29.
Internal-combustion engine. C. E. Sargent. 1,503,382; July 29.
Internal-combustion engine, Two-cycle. L. L. Scott. 1,502,918; July 29.
Iron, Production of gray cast. P. A. Diefenthäler 1,502,983; July 29.
Jack: *See*—
Lifting jack.
Jewelry box. M. J. Karpeles. Des. 65,341–2; July 29.
Kiln. E. P. Stevens. 1,503,455; July 29.
Kiln, Rotary. J. S. Fasting. 1,503,186; July 29.
Knife and shield. L. R. Kratzmueller. 1,503,053; July 29.
Knitting machine, Automatic hand. J. Chapatte. 1,503,024; July 29.
Knot-tying apparatus. J. W. Cook and T. Collins. 1,502,713; July 29.
Lace. B. W. Blore. Des. 65,321; July 29.
Lace trimming. H. F. Goldsmith. Des. 65,335; July 29.
Lamp base. E. Adamac. Des. 65,317; July 29.
Lamp pedestal. W. H. Errock. Des. 65,331; July 29.
Lamp support. A. Moore. 1,502,866; July 29.
Lamp, Vehicle. D. Campbell. 1,503,114; July 29.
Lantern. E. A. Walker. Des. 65,360; July 29.
Latch lock. B. Rees. 1,503,209; July 29.
Latches, Handle-attaching means for door. L. Ottinger. 1,503,281; July 29.
Lathe. L. A. Carter. 1,503,115; July 29.
Laundry and other machines, Pad for. W. A. Zeidler. 1,503,147; July 29.
Lawn edger. C. A. Upton. 1,503,143; July 29.
Leer conveyer. W. R. Sterrett. 1,502,692; July 29.
Lever operated adjusting mechanism. G. N. Helm. 1,503,160; July 29.
Lifter: *See*—
Ice-cream-can lifter.
Lifting jack. W. G. Armstrong. 1,503,343; July 29.
Lifting jack. A. J. Brown. 1,503,087; July 29.
Lighting-fixture part. L. A. Crumley. Des. 65,328–9; July 29.
Line-space mechanism. D. C. Harris. 1,503,123; July 29.
Liquid conveyed under pressure, Cushioning device for. F. Mfinzinger. 1,502,739; July 29.
Liquid-dispensing apparatus. J. B. Davis. 1,503,035; July 29.
Lock: *See*—
Auto lock. Electric permutation lock.
Combination lock. Latch lock.
Lock. B. J. Greer. 1,503,043; July 29.
Lock-joint receptacle. G. X. Wendling. 1,503,178; July 29.
Lock switch. H. W. Hartel. 1,503,321; July 29.
Locomotive flag staff and container. W. L. Gibson. 1,503,154; July 29.
Loom shuttle block. G. R. Plott. 1,502,963; July 29.
Looms, Drop-box mechanism for. E. H. Ryon. 1,502,880; July 29.
Looms, Shuttle for carpet-weaving. L. Quaresima. 1,503,290; July 29.
Looms, Starting gauge for. J. F. Way. 1,503,398; July 29.
Looms, Thread-cutting temple for. A. A. Hull. 1,503,448; July 29.
Looms, Weft feeler for. C. D. Brown. 1,503,413; July 29.
Lubricator: *See*—
Flange lubricator.
Luggage carrier. J. Amey and F. W. Becker. 1,503,083; July 29.
Lumber, Method of and apparatus for kiln-drying. M. L. Mueller. 1,503,168; July 29.
Magnetic blow-out device. E. R. Carichoff. 1,503,091; July 29.
Manifolding device. W. E. Oliver. 1,502,680; July 29.
Marl, Machine for mining or recovering. J. F. Carnes and J. F. Halder. 1,502,660; July 29.
Match safe. J. E. Neahr. 1,502,961; July 29.
Mattress. H. Schimmel. 1,502,966; July 29.
Mattress-beating machine. J. W. Droll. 1,503,352; July 29.
Mattress-roll-forming mechanism. J. W. Droll. 1,503,351; July 29.
Measuring machine, Cloth-. L. R. Brown. 1,502,902; July 29.
Meats, Compound for curing and coloring. S. E. Colgin. 1,502,905; July 29.
Medallion ring, Monogram. C. T. and F. H. Wittstein. Des. 65,362; July 29.
Metal articles, Making pressed-. H. G. Carlson. 1,503,023; July 29.
Metal-boring tool. F. F. Babcock. 1,502,652; July 29.
Metal for coating, Process and material for preparing. J. H. Gravell. 1,503,443; July 29.
Metal mold. D. H. Meloche. 1,502,861; July 29.
Metal screen, Rewirable. F. A. Stickle. 1,502,693; July 29.
Metal wheel. C. E. Wade. 1,502,759; July 29.
Metal-working machine. R. S. Brown. 1,503,111; July 29.
Metal-working machine. U. D. Foster. 1,503,153; July 29.
Metals, Treating solutions of. L. F. Clark. 1,503,229; July 29.
Meter mounting, Motor-. C. A. Witt. 1,503,146; July 29.
Micrometer gauge. A. R. Berg. 1,502,806; July 29.
Micrometric connection. W. F. Lautenschlager. 1,503,165; July 29.
Mill indicator. A. Sundh and W. Westerman. 1,502,695; July 29.
Milling cutter. F. Müller. 1,503,000; July 29.
Miter, Carpenter's. J. Mathieson. 1,502,735; July 29.
Mixing, grinding, refining, or treating liquid material, such as liquid chocolate, Apparatus for. J. C. Robins. 1,503,379; July 29.
Mold: *See*—
Concrete mold. Metal mold.
Mold. K. L. Weber. 1,502,803; July 29.
Molds and castings, Machine for making multiple. H. S. Frank. 1,503,122; July 29.
Money box. J. E. Purser. 1,502,876; July 29.
Mop. F. W. Pendergast. 1,503,062; July 29.
Mop. W. Severns. 1,502,688; July 29.
Mop. P. H. Simon. 1,503,385; July 29.
Mop, Polish. H. T. Tucker. 1,502,968; July 29.
Motor: *See*—
Asynchronous motor.
Motor. F. W. Pendergast. 1,503,061; July 29.
Motor-control system. J. H. Hall. 1,503,156; July 29.
Motor controller. H. P. Reed. 1,503,245; July 29.
Motor, Means for lubricating and cooling submerged and insulated electric. R. Longue. 1,502,730; July 29.
Motor support. W. G. Dunn. 1,502,943; July 29.
Motor-testing chamber. L. Dürr. 1,503,307; July 29.
Motors and fittings, Combination mounting for. E. A. Griffitts. 1,503,099; July 29.
Motors, Method of and means for fuel injection for internal-combustion. J. H. Suter. 1,502,926; July 29.
Motors, Oil reservoir for. R. V. Norr's. 1,503,334; July 29.
Motors without compressor, Fuel-injection device for Diesel. E. Frey. 1,502,946; July 29.
Multigraphing machine. P. Di Cossimo. 1,502,810; July 29.
Musical instrument. C. McDaniel. 1,503,197; July 29.
Nitrogen and hydrogen, Producing mixtures of. B. F. Halvorsen. 1,503,319; July 29.
Nitroso-meta-cresol and its application to the separation of meta-cresol and para-cresol, Production of. J. Ehrlich. 1,502,849; July 29.
Nozzle and tire gauge, Inflating. L. J. Sladek. 1,503,068; July 29.
Nozzle, Spray. C. E. Hill. 1,502,822; July 29.
Nozzle, Spray. L. H. Parker. 1,503,438; July 29.
Nozzle tip. J. D. Murray. 1,503,001; July 29.
Nursery accessory. L. R. Martin. 1,503,425; July 29.
Odometer. W. Eisenschmid. 1,502,719; July 29.
Oil burner. L. F. Smith. 1,502,691; July 29.
Oil burner, Fuel. J. N. Galbraith. 1,503,041; July 29.
Oil gauge for crank cases. L. L. Whitson. 1,503,179; July 29.
Oil-storage tanks, Inductive static drain for. C. A. Stanley. 1,502,924; July 29.
Olive-stuffing machine. J. K. Tuttle. 1,502,929; July 29.
Orchard heater. F. R. Shikora and T. L. Lewers. 1,503,066; July 29.
Ores, Crusher for mineral. A. Halliday. 1,503,157; July 29.
Oven casings, Detachable cover for collapsible. H. Kielberg. 1,503,268; July 29.
Oxidizing dibenzyl. H. R. Curme. 1,502,941; July 29.
Ozone generator. H. B. Hartman. Re15,880; July 29.
Package-stop mechanism. S. R. Howard. 1,502,724; July 29.
Packing or filling body for filters. H. Prym. 1,503,208; July 29.
Pad: *See*—
Absorbent pad. Pressure pad.
Padlock. J. Allain. 1,503,341; July 29.
Painting apparatus, Pneumatic. J. A. Paasche. 1,503,282; July 29.
Painting booth. F. P. Bingman. 1,502,844; July 29.
Panel board. H. L. Van Valkenburg. 1,503,340; July 29.

Paper and other fibrous compositions, Manufacture of. P. Schidrowitz. 1,502,686; July 29.
Paper and product obtained thereby, Producing crinkled. E. Klepper. 1,503,451; July 29.
Paper-cutting machine. H. S. Williams. 1,503,408; July 29.
Paper-feeding machines, Feed-interrupting mechanism for. L. J. Frohn. 1,502,663; July 29.
Paper-making apparatus. C. G. Robinson. 1,503,246; July 29.
Paper pulp and apparatus therefor, Producing. C. W. Shartle. 1,503,138; July 29.
Paper towels and like articles, Dispenser for. P. H. Horwitt. 1,503,241; July 29.
Paring machine. D. Tenney. 1,503,390; July 29.
Peanut digger. J. E. Parker. 1,502,795; July 29.
Peanut diggers, Conveyer for. J. E. Parker. 1,502,796; July 29.
Pencil. J. E. Roach. Des. 65,352; July 29.
Pencil and making the same. L. W. Bugbee. 1,502,763; July 29.
Pencil, Magazine. R. Nardi. 1,503,244; July 29.
Phonograph cabinet. O. J. Haarlander. Des. 65,336–7; July 29.
Phonograph tone modifiers. E. C. Clark and A. T. Brower. 1,502,764; July 29.
Phonographs, Nonset stop for. J. E. Feltner. 1,502,769; July 29.
Photogalvanograph. D. Wechsler. 1,503,401; July 29.
Photographic apparatus. S. Cocanari. 1,503,302; July 29.
Photographic-printing machines, Automatic light-control apparatus for. A. S. Howell. 1,502,954; July 29.
Piece goods, Method and means of merchandising. E. Seyfarth. 1,502,689; July 29.
Pipe wrench. E. Bradley. 1,503,296; July 29.
Pipes and for cigar and cigarette holders, Case for. A. Dunhill. 1,503,354; July 29.
Piston. J. P. Lavoie. 1,503,369; July 29.
Piston for internal-combustion engines. R. L. Skinner. 1,502,923; July 29.
Piston-valve structure for internal-combustion engines. E. R. Burtnett. 1,503,185; July 29.
Pistons, Fitting. M. B. Covert. 1,502,765; July 29.
Plaster board having hard and soft portions. J. K. Shaw. 1,503,211; July 29.
Plate or similar article. R. E. Lukens. Des. 65,347; July 29.
Plowshare. D. A. Nicol. 1,502,741; July 29.
Plug attachment. F. Dominick. 1,503,306; July 29.
Plumb bob. W. W. Windham. 1,502,804; July 29.
Pointing machine. A. Basky. 1,503,017; July 29.
Poultry, Apparatus for killing. O. C. Pacholke. 1,503,372; July 29.
Powder dispenser. E. H. Tooley. 1,502,698; July 29.
Power device, Hydraulic. B. A. Bristow. 1,502,901; July 29.
Power generator, Fluid-. W. J. Rodgerson. 1,502,964; July 29.
Power mechanism, Mobile. C. B. Magrath. 1,503,056; July 29.
Power press. J. Nelson. 1,503,131; July 29.
Power strap. R. T. Powers, sr. 1,503,207; July 29.
Power-transmission mechanism. W. I. Wheeler. 1,503,404; July 29.
Power transmitter. W. Davis. 1,502,767; July 29.
Press: *See*—
Power press. Punch press.
Press. L. T. and D. S. Kimmerle. 1,502,957; July 29.
Presses, Cake cutter for filter. H. A. Vallez. 1,502,700; July 29.
Presses, Plate clamp and headline marker for printing. G. W. Swift, jr. 1,503,074; July 29.
Pressure pad. M. Balcher. 1,503,105; July 29.
Printer table for registers or like machines. B. P. Hayes. 1,502,669; July 29.
Printer's galley and assembling printers' material. E. P. Ehrlinger. 1,503,152; July 29.
Printing consecutive numbers. O. W. Pendergast. 1,503,375; July 29.
Printing press and other like machine. C. W. Harrold. 1,502,668; July 29.
Printing press-attachment. H. A. Agricola, jr. 1,503,222; July 29.
Projectile. C. W. Stone. 1,502,925; July 29.
Propeller blade. J. W. Smith. 1,503,170; July 29.
Propeller drive. S. T. Elliott. 1,503,356; July 29.
Puller: *See*—
Stump puller. Wheel puller.
Pulps, Apparatus for treating. W. O. Borcherdt. 1,502,657; July 29.
Pulsator. L. Nixon. 1,503,279; July 29.
Pump. K. L. Curtis. 1,503,458; July 29.
Pump. H. E. Merseles. 1,502,678; July 29.
Pump and distributor, Combined. A. W. Thompson. 1,502,756; July 29.
Pump heads, Mounting for deep-well-. J. I. Astrom. 1,502,651; July 29.
Pump, Hydraulic. L. F. Moody. 1,502,865; July 29.
Pump, Oil-well. G. C. Johnson. 1,502,955; July 29.
Pump, Percussion. R. Esnault-Pelterie. 1,502,984; July 29.
Pump, Rotary. H. H. Haight. 1,503,362; July 29.
Pumping rig. J. A. Crumley. 1,502,714; July 29.
Pumps, Frost-line drain valve for. P. H. Koebbe. 1,502,834; July 29.
Punch press. E. J. Dreis. 1,503,119; July 29.
Pushbutton switch. T. J. Kerwin. 1,502,785; July 29.
Putty, Making. J. E. Laurila. 1,503,422; July 29.
Rack: *See*—
Automobile hat rack. Drying rack.
Cue rack.
Racket. W. C. Blache. 1,502,845; July 29.
Radiator caps, Assembling. A. C. Lippert and J. A. Sinko. 1,502,729; July 29.
Radioreceiver, Tone-producing. M. I. Pupin and E. H. Armstrong. 1,502,875; July 29.
Radiosignaling, Method of and system for. H. J. Van Der Bijl. 1,502,889; July 29.
Radiator covering. P. Jaray. 1,503,366; July 29.
Rail bond. M. H. Loughridge. 1,502,836; July 29.
Ratchet brake, Safety reverse. B. Soots, J. Klancher, H. A. Magrath, and G. C. Van Brimer. 1,503,139; July 29.
Railway, Amusement. H. J. Traubel. 1,502,699; July 29.
Railway brakes, Four-point flexible support and safety device for. S. Hansson. 1,503,045; July 29.
Railway-crossing gate. S. N. Hanks. 1,503,444; July 29.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,503,166; July 29.
Rebound controller. J. R. Snyder. 1,502,755; July 29.
Receptacle cover. S. G. Barnstead. 1,503,015; July 29.
Receptacle cover. W. Gill. 1,502,948; July 29.
Reciprocating movement. O. P. Norman. 1,502,870; July 29.
Recording pressure gauge, Indicator, and other measuring instrument. A. L. Dugon. 1,503,353; July 29.
Reenforce and leveler, Combined. H. W. Bernstrom. 1,503,148; July 29.
Refractory article and making the same. C. J. Brockbank. 1,503,150; July 29.
Refrigerating. K. L. Curtis. 1,503,456; July 29.
Refrigerating apparatus. K. L. Curtis. 1,503,457; July 29.
Refrigerating apparatus. C. L. McCuen. 1,502,791; July 29.
Register: *See*—
Game-score register.
Regulator: *See*—
Gas regulator. Vibratory regulator.
Regulator. E. J. Blake. 1,503,085; July 29.
Retort, Shale. D. H. Francis. 1,503,234; July 29.
Reversing mechanism. F. W. A. Henrici. 1,503,447; July 29.
Rifle, Automatic. J. T. Kewish. 1,502,676; July 29.
Rim lug, Demountable. W. A. Antilotti and E. C. Jones. 1,503,342; July 29.
Rim-rolling machine. F. R. Klaus. 1,503,270; July 29.
Ring. C. J. Dieges. Des. 65,330; July 29.
Ring-wheel chuck. E. P. Alsted. 1,503,102; July 29.
Road-surfacing machine. C. J. Hug. 1,502,825; July 29.
Rocker arm and making same, Sheet-metal. H. G. Carlson. 1,503,263; July 29.
Rod: *See*—
Insulated strain rod.
Roller blind and the like. R. C. Ross. 1,503,336; July 29.
Roof connection. W. F. Innes. 1,503,421; July 29.
Roof, Sectional. W. C. Broughton. 1,503,110; July 29.
Rotary drier. W. J. Kuntz. 1,503,054; July 29.
Rotors, Means for balancing. A. E. Schein. 1,503,431; July 29.
Rubber or rubberlike substances, Accelerating the vulcanization of natural or artificial india. W. F. Russell. 1,503,429; July 29.
Rubber, Vulcanizing. W. F. Russell. 1,503,430; July 29.
Rubber with condensation products of ammonia and aldehydes as accelerators, Vulcanizing. S. M. Cadwell. 1,503,113; July 29.
Ruling machine. G. F. McAdams. 1,503,196; July 29.
Saddle. S. L. Bailey. 1,502,975; July 29.
Safety pressure device. F. Windish. 1,503,180; July 29.
Sanitary cover. I. Kim. 1,503,190; July 29.
Sanitary dispensing measure. C. W. Lanphere. 1,502,992; July 29.
Sanitary ear for buckets. P. A. Gillit. 1,502,949; July 29.
Saw filing and setting machines, Attachment for. F. J. Koppeler. 1,502,725; July 29.
Screen: *See*—
Metal screen. Window screen.
Screen and storm window. A. J. Beechler and G. L. McKay. 1,503,018; July 29.
Screen for pivoted window sashes. A. M. Lane. 1,503,325; July 29.
Sealing device for receptacles such as bottles. W. H. Hilldick and H. Semlear, jr. 1,502,775; July 29.
Sealing machine for filled cartons. W. D. Kimball and A. E. Rideout. 1,503,126; July 29.
Seat webbing and the like, Appliance for tensioning or tightening. G. F. French. 1,503,314; July 29.
Separator: *See*—
Egg separator.
Server. R. A. Hall. 1,503,363; July 29.
Sewing-machine attachment. A. B. Mattingly. 1,502,998; July 29.
Sewing machines, Work-supporting arm for. J. Berger. 1,503,258; July 29.
Shackle bolt. F. F. James. 1,503,162; July 29.
Shade and curtain bracket. A. Bohrer. 1,502,935; July 29.

Shaft coupling. M. Hedglon. 1,503,446; July 29.
Shafts at a low and uniform speed by an electromotor, Device for driving. C. Lott. 1,502,958; July 29.
Shale-distillation apparatus. R. M. Catlin. 1,503,093; July 29.
Sheet metal, Perforated. G. A. Oberg. 1,502,873; July 29.
Shingle construction. J. Pommersheim. 1,502,681; July 29.
Shoe. J. J. Daly. 1,502,716; July 29.
Shoe. F. A. Seib. 1,502,919; July 29.
Shoe-trees, Machine for making. L. F. Voisard. 1,502,891; July 29.
Shuttle. L. Pavia. 1,503,286; July 29.
Sign, Advertising display. N. J. Steinau. 1,503,212; July 29.
Signal: *See*—
Automobile signal. Vehicle indicating signal.
Direction signal.
Signal-light casing. W. E. Shettlemore. Des. 65,354; July 29.
Signal-operating means. H. L. Furr. 1,503,040; July 29.
Signaling, Railway. L. O. Grondahl. 1,503,318; July 29.
Signaling, Railway. L. O. Grondahl and L. F. Howard. 1,503,316; July 29.
Signaling system, High-frequency multiplex. L. Espenschied. 1,502,811–17; July 29.
Signaling system, Railway. L. O. Grondahl. 1,503,317; July 29.
Silo, L. Tabor. 1,503,388; July 29.
Sink trap. A. L. De Leeuw. 1,503,118; July 29.
Skate. J. Halverson. 1,502,951; July 29.
Skiving machine. C. Q. Reynolds. 1,503,169; July 29.
Slag to granular form, Reducing fused. M. Maguet. 1,502,793; July 29.
Snap fastener. M. Kiessling. 1,503,051; July 29.
Soap dispenser and container. J. N. Borroughs. 1,502,936; July 29.
Sodium sulphide, Making. E. B. Alvord. 1,503,013; July 29.
Soldering machine, Spout-. C. Gueritey. 1,502,773; July 29.
Sound receivers, Holding attachment for. C. W. Burrows. 1,503,226; July 29.
Sound transmitters, Balanced diaphragm for. D. A. Sealey. 1,503,011; July 29.
Sounding board. B. E. Grady, jr. 1,502,666; July 29.
Spark plug. A. de Clairmont. 1,502,768; July 29.
Spark plug. E. T. Martin. 1,502,960; July 29.
Spark plug. D. W. Willis. 1,503,081; July 29.
Spark plug. R. T. Wright. 1,503,182; July 29.
Speed indicator and recorder. A. F. Wallbillich. 1,503,078; July 29.
Speed transmission mechanism, Variable-. O. M. Pope. 1,503,005; July 29.
Speedometer drive. G. G. Behn. 1,502,841; July 29.
Spool construction. C. H. Curo. 1,502,980; July 29.
Sprayer. C. Vacher. 1,503,394; July 29.
Sprayer, Windshield. S. A. Harrington. 1,502,821; July 29.
Spraying machine. L. E. Frost. 1,502,823; July 29.
Spraying machine. C. E. Haywood. 1,503,159; July 29.
Spring: *See*—
Air spring. Automobile spring.
Spring wheel. C. P. Cozatt. 1,502,908; July 29.
Spring wheel. R. A. Little. 1,503,424; July 29.
Sprinkler systems, Air exhauster for dry-pipe. G. I. Rockwood. 1,502,879; July 29.
Stamp-affixing device. M. A. Taylor. 1,503,389; July 29.
Stapling machines or the like, Work-holding means for. L. W. Shields. 1,503,339; July 29.
Statuette, Doll. M. Hughes. Des. 65,339; July 29.
Stay-bolt structure. J. R. Flannery and E. I. Dodds. 1,503,121; July 29.
Steering gear. H. M. Lovelace. 1,502,731; July 29.
Steering mechanism. A. J. Lavoie. 1,502,728; July 29.
Stoker, Underfeed. E. J. Hart. 1,503,240; July 29.
Storage battery. T. B. Entz. 1,503,098; July 29.
Storage battery. W. B. Osborne. 1,503,060; July 29.
Storage battery. A. H. Snyder. 1,503,070; July 29.
Storage-battery tester. J. L. Thompson. 1,502,928; July 29.
Stove, Gas. O. Majcen. 1,503,198; July 29.
Strap: *See*—
Power strap.
Stretching tool. A. G. G. Guenther. 1,503,237; July 29.
Stump puller. A. Depalm. 1,503,036; July 29.
Sugar cane, Method and apparatus for handling and transporting. S. T. Hoyt. 1,503,365; July 29.
Superheater, Steam. A. Jeavons. 1,503,163; July 29.
Support bracket, Malleable. W. Janus. 1,502,826; July 29.
Suspender construction. O. E. Mott. 1,502,738; July 29.
Suitcases or similar articles, Attaching plate for. M. B. Shwayder. Des. 65,355; July 29.
Switch: *See*—
Electric switch. Pushbutton switch.
Lock switch.
Switch. D. D. Gordon. 1,502,665; July 29.
Switch electrical-timed sorter, Rotary. W. W. Lasker. 1,502,993; July 29.
Switch for high-potential circuits, Automatic circuit-making. L. M. Klauber. 1,503,269; July 29.
Switch mechanism. O. S. Jennings. 1,502,827; July 29.
Syringe, Hydrometer. J. Nelson. 1,503,332; July 29.
Syringe, Hypoampul. J. H. Wedig. 1,503,219; July 29.
Syringe, Hypodermic. J. H. Wedig. 1,503,220; July 29.
Syringe, Hypotubule. J. H. Wedig. 1,503,218; July 29.
Table. C. O. Lowe. 1,503,195; July 29.
Table cover, Card. H. C. Bryant. 1,503,088; July 29.
Talking machines, Foldable turntable for. S. Sachs. 1,502,747; July 29.
Tape feeder, moistener, and cutting appliance. A. Kudler and H. Rosenthal. 1,503,164; July 29.
Teetering roundabout. H. C. Roempke. 1,502,746; July 29.
Telegraphic messages, Apparatus for and method of rapid transmission of. P. E. Sabine and W. F. Friedman. 1,503,250; July 29.
Telephone-attachment casing. G. Tolk and A. H. Rosenbaum. Des. 65,358; July 29.
Telephone receiver. O. M. Leich. 1,503,243; July 29.
Telephone system. H. D. Currier and G. R. Eaton. 1,503,095; July 29.
Telephone system. W. G. Shull. 1,503,252; July 29.
Telephone system, Automatic. W. T. Powell. 1,502,916; July 29.
Telephone system, Automatic. A. J. Ray. 1,502,877; July 29.
Template. W. I. Wheeler. 1,503,406; July 29.
Tension device. D. H. Murphy. 1,503,203–4; July 29.
Tent. F. O. Berg. 1,502,898; July 29.
Textile fabric. J. S. Boyd. Des. 65,322–4; July 29.
Thrashing machines, Grain-saving device for. L. H. Wagner. 1,502,702; July 29.
Thread cutting and grinding machine. J. A. Hardel. 1,503,320; July 29.
Tiles, sheets, and other articles or products from asbestos or like materials, Manufacturing. S. S. Wilson. 1,503,409; July 29.
Tire carrier, Auxiliary. J. M. Walling. 1,502,703; July 29.
Tire chain. S. Angelillo. 1,503,292; July 29.
Tire chain. S. McGee. 1,502,792; July 29.
Tire-chain connecter. J. H. Evers. 1,502,985; July 29.
Tire, Nonskid. H. McCreary. Des. 65,348; July 29.
Tire protector. B. Goldman. 1,503,265; July 29.
Tire-removing machine. M. P. Breon. 1,503,225; July 29.
Tire tread, Pneumatic-. H. S. Berlin. Des. 65,318; July 29.
Tire valves, Dust cap for. E. V. Myers. 1,502,740; July 29.
Tire valve, Safety. H. N. Wilson. 1,502,704; July 29.
Tires, Manufacturing self-cooling. K. Schragin. 1,503,432; July 29.
Toaster, Bread. J. Anschutz. 1,502,894; July 29.
Tobacco, Hogshead for redrying, recuring, and resweating. J. H. Mills. 1,503,167; July 29.
Toilet case. A. T. Reid. 1,503,378; July 29.
Tool, Combination. J. M. Heasley. 1,503,323; July 29.
Tool construction. F. Hendrickson. 1,503,047; July 29.
Tool holder, Multiple-purpose. L. Y. Chard. 1,502,712; July 29.
Tooth, Artificial-. W. B. Floyd. 1,503,313; July 29.
Toothbrush. A. Wallace. 1,502,971; July 29.
Toothbrush and paste holder. L. G. Strnad. Des. 65,357; July 29.
Toothbrush, Rotary. A. H. Jurk and P. Syracuse. 1,503,050; July 29.
Toothbrushes, Sanitary housing for. T. A. Ryan. 1,503,134; July 29.
Top, Illuminated. P. J. Rause. 1,503,006; July 29.
Tower indicator. R. C. Leake. 1,502,913; July 29.
Toy auto circus animal cage. L. S. Bixler. Des. 65,320; July 29.
Toy auto circus calliope. L. S. Bixler. Des. 65,319; July 29.
Toy, Figure wheel. J. Villani. 1,502,758; July 29.
Toy, Mechanical. C. J. Brown. 1,503,262; July 29.
Toy, Musical. M. J. McIntyre. 1,502,835; July 29.
Toy vehicle. E. S. Savage. 1,503,009; July 29.
Tractor attachment. H. F. Bruhn. 1,503,348; July 29.
Tractor, Farm. C. Murnane. 1,503,278; July 29.
Tractors, Truck-hauling attachment for. W. H. Sargent. 1,503,135; July 29.
Traffic light. L. W. McOmber. Des. 65,349; July 29.
Transformer frame. J. F. Peters. 1,502,874; July 29.
Transmission and bearing, Resilient. B. F. Seymour. 1,503,137; July 29.
Transmission joint and shock absorber. A. J. Lavoie. 1,502,727; July 29.
Transmitting intelligence, Method of and apparatus for electrically. C. D. Ebret. 1,503,308; July 29.
Transparency and making the same. A. P. Storrs. 1,502,694; July 29.
Trap: *See*—
Sink trap.
Traveling bag. S. Glass and S. Wohl. 1,502,987; July 29.
Traverse mechanism. B. E. Woodcock, E. F. Monnin, and A. C. Reese. 1,503,441; July 29.
Triangles, Apparatus for automatically solving spherical. L. J. L. Mouren. 1,502,794; July 29.
Trolley system, Overhead. O. M. Jorstad. 1,502,828; July 29.
Truck, Six-wheel car. E. G. Goodwin. 1,502,988; July 29.

Trunking system, Interoffice. W. T. Powell. 1,502,917;
Tube: *See*—
Collapsible tube.
Tube holder, Collapsible-. J. H. Waring. 1,503,176; July 29.
Tubes, Apparatus for the manufacture of seamless steel. J. J. Harkins and O. F. Orman. 1,503,158; July 29.
Turbine rotor and avoiding tangential bucket vibration therein, Elastic-fluid. W. Campbell. 1,502,904; July 29.
Turbine rotor and avoiding wave phenomena therein, Steam-. W. Campbell. 1,502,903; July 29.
Two-tooth setter. L. P. Christinsen. 1,503,151; July 29.
Typewriter attachment. F. J. Uher. 1,503,216; July 29.
Typ writer carriage. D. C. Harris. 1,503,100; July 29.
Typewriters, Ribbon vibrator for. O. A. Hokanson. 1,502,853; July 29.
Typewriting machine. H. M. Brown. 1,503,021; July 29.
Typewriting machine. M. C. Crawley. 1,503,027–33; July 29.
Typewriting machine. W. P. Kidder. 1,502,830; July 29.
Typewriting machine. G. W. Renz. 1,503,064; July 29.
Typewriting machine. J. A. B. Smith. 1,503,069; July 29.
Umbrella ribs, Means for fastening tips to. J. Lutz and W. S. Evans. 1,503,273; July 29.
Underreamer. J. W. Pippin. 1,503,377; July 29.
Universal clamp. A. H. Baird. 1,503,344; July 29.
Unloading apparatus. J. Bombardi. 1,503,019; July 29.
Valve. A. E. Ellis. 1,503,309; July 29.
Valve. T. O. Martin. 1,502,734; July 29.
Valve. E. P. Prator. 1,503,132; July 29.
Valve. R. H. Wentorf. 1,503,145; July 29.
Valve and signal switch, Car discharge. C. C. Farmer. 1,503,311; July 29.
Valve, Float. R. R. and J. F. Shaffer. 1,503,433; July 29.
Valve for atomizer bulbs or the like. H. P. Kraft. 1,502,786; July 29.
Valve for compressors. C. H. Leinert. 1,503,271; July 29.
Valve for irrigating apparatus. C. H. Kaup. 1,503,189; July 29.
Valve, Governor. W. B. Ensign. 1,503,357; July 29.
Valve grinder and drill, Combination. A. W. Ojerholm. 1,503,206; July 29.
Valve mechanism. W. D. Mercer. 1,502,736; July 29.
Valve-seat reamer. J. J. McGuckin. 1,503,055; July 29.
Valve stems, Lubricating system for. F. B. Parker and C. U. Austin. 1,503,257; July 29.
Valve, Wash-pipe. A. Thomson. 1,502,696; July 29.
Valves for combustion engines, Device for automatically grinding. I. B. Gilbert. 1,503,417; July 29.
Valves to pneumatic tubes or the like, Means for removably clamping. R. E. Martin. 1,503,199; July 29.
Vanity case. C. A. Buscham. 1,503,112; July 29.
Vanity-case hinge. W. G. Kendall. 1,503,367; July 29.
Vaporizer. J. J. Parker. 1,503,004; July 29.
Vault. R. H. Dick. 1,502,982; July 29.
Vegetable materials and manufacture of gas adsorbent and decolorizing carbons, Utilization of. O. L. Barnebey. 1,502,896; July 29.
Vehicle body suspension. B. F. Seymour. 1,503,065; July 29.
Vehicle brake. A. J. Lavoie. 1,502,726; July 29.
Vehicle brake-control device. G. S. Lane. 1,503,326; July 29.
Vehicle, Child's. W. J. Barber. 1,502,838–9; July 29.
Vehicle, Child's. E. S. Showers. 1,503,067; July 29.
Vehicle curtain. E. Ackerman. 1,503,101; July 29.
Vehicle drive, Pneumatic. G. A. Case. 1,503,264; July 29.
Vehicle knuckles, Lubrication of automotive. G. W. Carlson. 1,502,659; July 29.
Vehicle indicating signal. A. C. Schroeder. 1,503,010; July 29.
Vehicle, Motor. E. G. Gunn. 1,503,239; July 29.
Vehicle side curtain. D. H. Collier. 1,503,303; July 29.
Vehicle springs, Snubber for. S. D. Filson. 1,502,818; July 29.
Vehicle wheel. D. R. Heiser. 1,503,046; July 29.
Vehicles, Air compressor for motor. W. A. Shallenberg. 1,502,751; July 29.
Vehicles, Automatic transmission for motor. H. R. Hoffman. 1,502,953; July 29.
Vehicles, Cooling apparatus for motor. G. W. Price. 1,502,745; July 29.
Vehicles, Safety device for. W. T. Wheeler. 1,503,405; July 29.
Vehicles, Shock absorber for aerial. K. Stahl. 1,503,386; July 29.
Vehicles, Street indicator for passenger. H. G. Ward. 1,502,893; July 29.
Vending machine. W. J. Bousquet. 1,503,260; July 29.
Vending machine. L. R. Spooner and R. L. Gray. 1,503,072; July 29.
Vending machines, Coin-control lock for. L. R. Spooner and P. L. Gray. 1,503,071; July 29.
Vending machines, Coin detector for. F. X. Bee. 1,503,223; July 29.
Ventilating unit. M. J. Callahan. 1,503,089; July 29.
Ventilator: *See*—
Window ventilator.
Ventilator. D. S. Earhart. 1,502,944; July 29.
Ventilator device, Adjustable. A. Swensen. 1,502,887; July 29.
Vessels, Electric connecting device for floating or submarine. F. Gall. 1,503,238; July 29.
Vibratory regulator. R. H. Sullivan. 1,503,214; July 29.
Vine pick-up. R. F. Holser and J. V. Lopez. 1,502,776; July 29.
Voltaic cells, Producing uniform. F. R. Parker. 1,503,285; July 29.
Waffle iron. G. F. Wells. Des. 65,361; July 29.
Wagon brake, Automatic. W. H. Perry. 1,502,797; July 29.
Wall and ceiling structure. T. Lydon. 1,502,732; July 29.
Warp condenser. S. W. Cramer, jr. 1,503,094; July 29.
Washcloth and doll, Combination. M. Wynn. Des. 65,363; July 29.
Wash-kettle furnace. K. S. Martin. 1,502,837; July 29.
Washing machine. J. D. Downie. 1,502,942; July 29.
Washing machine. W. Gish and H. L. Thomas. 1,502,986; July 29.
Washing machine. H. R. Merseles. 1,502,863; July 29.
Washing-machine cylinders, Sliding door and lock for G. A. Oberg. 1,502,872; July 29.
Washing-machine timing device. P. Neuwerk. 1,502,915; July 29.
Washing process and machine therefor. R. Harvey. 1,502,852; July 29.
Watch, Bracelet. J. Daving. 1,503,097; July 29.
Watchcase. J. Reichenberg. Des. 65,351; July 29.
Water column. J. R. Brown. 1,502,808; July 29.
Water cut-off, Automatic. M. P. Werhan. 1,502,930; July 29.
Water heater. J. P. Smythe. 1,502,802; July 29.
Watering machine, Automatic lawn-. W. P. Gardner. 1,503,360; July 29.
Wheel: *See*—
Grinding wheel. Spring wheel.
Metal wheel. Vehicle wheel.
Wheel. G. L. Martin. 1,503,057; July 29.
Wheel and mounting therefor, Bull. J. A. Crumley. 1,502,715; July 29.
Wheel assemblies, Facing cover for. H. Wacker. 1,503,397; July 29.
Wheel puller. C. H. Miles, jr. 1,503,129; July 29.
Wheel rim. J. M. Meredith. 1,503,426; July 29.
Wheel tread, Tractor-. E. T. Craig and C. F. Sills. 1,502,752; July 29.
Wheels from axle shafts of motor vehicles, Tool for removing. E. L. Rumsfield. 1,503,249; July 29.
Wheels, Nonskid attachment for vehicle. J. P. Walsh. 1,503,079; July 29.
Wheels of vehicles, Device for transmitting the rotary motion of a motor to the. J. Werz. 1,503,221; July 29.
Welding, Arc. J. C. Lincoln. 1,502,789; July 29.
Welding, Electric. J. F. Gall. 1,503,315; July 29.
Well pumper, Oil-. F. H. Sibley. 1,502,690; July 29.
Wind motor. H. C. Greenbrook. 1,502,950; July 29.
Windshield cleaner. E. Blumer. 1,503,346; July 29.
Windlass, Stake. L. J. Seyler. 1,502,965; July 29.
Window, Barred. G. C. Rudman. 1,503,248; July 29.
Window-cleaner's scaffold and chair. B. B. Dolaro. 1,503,305; July 29.
Window guard. F. Kitzelman. 1,502,833; July 29.
Window screen. M. A. Dietrick. 1,503,037; July 29.
Window ventilator. J. Bellocchio. 1,503,109; July 29.
Wire stretcher and splicer. E. A. Hayes. 1,503,418; July 29.
Wood grinder. P. Priem. 1,503,289; July 29.
Wrench: *See*—
Automatically-closing wrench. Automobile wrench.
Pipe wrench.
Wrench. F. Bain. 1,503,084; July 29.
Wrench. L. Briles. 1,502,900; July 29.
Wrench. L. W. Schaaff. 1,503,136; July 29.
X-ray device. W. D. Coolidge. 1,502,907; July 29.
Yarn packages, Machine for forming. A. L. Remington. 1,503,381; July 29.

CLASSIFICATION OF PATENTS

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NOTE.—First number=class, second number=subclass, third number=patent number.

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[Opinions of the United States district courts are indicated by the letter ([b]); of the Court of Appeals of the District of Columbia by one star (*); of the United States Circuit Court of Appeals by the letter ([d]); and of the Supreme Court of the United States by two stars (**).]

Patents Nos. 1,503,461 to 1,504,200.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Reissues	6—No.	15,883 to No.	15,888, inclusive.
Designs	28—No.	65,364 to No.	65,391, inclusive.
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Total	1126		

Attorneys—Disbarment.

(Order No. 2,868.)

U. S. Patent Office, *Washington, June 4, 1924.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Mr. William H. Mulligan, of 627 R. I. Hospital Trust Building, Providence, R. I., whose registration number is 10,963, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. Patent Office, *Washington, July 10, 1924.*

John H. Coyle, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of the Medico-Dental Specialty Co., 238 Broadway, San Diego, Calif., for registration of a trade-mark and trade-mark registered July 22, 1902, No. 38,645, to John H. Coyle, Thomasville, Ga. The Office having been unable to secure service upon said Coyle, notice is hereby given that unless said Coyle, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, July 17, 1924.*

William P. Dunham, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kaufmann Bros. & Bondy, 33 East Seventeenth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered January 21, 1919, No. 124,192, to William P. Dunham, 501 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said William P. Dunham at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said William P. Dunham, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, July 21, 1924.*

The Vim Medicine Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between J. P. Miller, Box 56, Port Gibson, Miss., for registration of a trade-mark and trade-mark registered February 28, 1905, No. 44,243, to The Vim Medicine Co., 510 National Union Building, Toledo, Ohio, and a notice of such declaration sent by registered mail to The Vim Medicine Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Vim Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, July 21, 1924.*

American Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Waverly Oil Works Company, Fifty-fourth Street and Allegheny Valley Railroad, Pittsburgh, Pa., for registration of a trade-mark and trade-mark registered August 6, 1895, No. 26,907, to the American Chemical Co., Minneapolis, Minn., and a notice of such declaration sent by registered mail to the American Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless the American Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Mich.) The Herzog patent, No. 919,351, for a mechanism to automatically feed boards into planers, claims 1 and 5 *Held* valid and infringed. *Monroe Body Co.* v. *Herzog*, 298 Fed. Rep. 428.

Condition of Applications Under Examination at Close of Business July 25, 1924.

Room No.	Divisions, Examiners, and subjects of inventions (Total number of applications awaiting action, excluding Trade-Mark Division, 60,754; Trade-Mark Division, 1,727. Oldest new case, Nov. 12, 1923; oldest amended, Nov. 26, 1923. The dates given are 1923 except where * indicates 1924.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 31	*Jan. 15	954
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 25	Dec. 27	917
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Feb. 23	*Mar. 12	1,081
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	*Feb. 2	*Feb. 13	1,040
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 26	Dec. 11	1,516
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Nov. 21	Nov. 26	1,839
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Feb. 1	*Jan. 29	1,708
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 19	*Feb. 26	1,816
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 12	*May 7	660
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Feb. 11	*Feb. 18	1,368
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Mar. 5	*Feb. 7	742
322	12. PIERCE, P. P., Machine Elements	*Feb. 28	*Feb. 19	1,075
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 31	Dec. 28	1,259
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 27	*May 28	929
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Dec. 26	*Jan. 9	1,970
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Dec. 31	Dec. 31	2,684
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	*Jan. 11	*Apr. 9	1,254
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 26	Nov. 27	2,051
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Mar. 19	*May 5	936
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	*Feb. 1	*Feb. 1	1,227
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Dec. 27	*May 23	705
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 31	Dec. 14	1,268
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	*Jan. 14	*Feb. 6	527
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	*Jan. 12	*Jan. 28	1,007
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Apr. 23	*May 2	611
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 28	Nov. 30	925
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing; Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	*Jan. 11	*Feb. 2	1,118
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 31	*Feb. 25	1,096
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 28	*Jan. 7	1,106
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Feb. 26	*Mar. 3	1,088
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	*Jan. 14	*Jan. 10	1,084
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	*Jan. 2	*Jan. 2	945
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Feb. 23	*Feb. 28	1,270
334	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 22	*Feb. 1	862
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Apr. 14	*May 12	804
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 14	*Feb. 20	1,433
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	*Jan. 28	*Jan. 25	1,479
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Feb. 5	*Feb. 18	1,440
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Feb. 7	*Mar. 1	663
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Dec. 3	*Apr. 14	1,899
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 26	*Jan. 23	696
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 12	Dec. 4	1,953
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan. 14	*Jan. 14	1,155
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	*Jan. 2	*Mar. 4	1,308
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	*Jan. 4	*Jan. 21	1,537
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Feb. 1	*Feb. 7	1,164
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Mar. 1	*Mar. 24	772
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Dec. 11	Dec. 10	2,231
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Jan. 12	*Jan. 10	1,056
102	DESIGNS: C. O. MARKHAM (Acting)	*June 11	*June 18	526
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR {Trade-Marks	*June 26	*July 7	1,658
	{Labels and Prints	*July 14	*July 18	69

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. District Court—Eastern District of New York.

HAMMER *v.* ROBERTSON, COMMISSIONER OF PATENTS.

Decided July 10, 1923; supplemental opinion July 16, 1923.

[291 Fed. Rep. 656.]

BILL IN EQUITY—SUIT UNDER SECTION 4915, REVISED STATUTES—EX PARTE CASES—JURISDICTION OF COURT.

Under Revised Statutes, section 739 (Comp. St., sec. 1033), a suit under section 4915, Compiled Statutes, section 9460, by an applicant for a patent, whose application has been refused, against the Commissioner of Patents to compel issuance of the patent must be brought in the Federal court of the District of Columbia, of which District defendant is an inhabitant.

IN EQUITY.

Suit by Peter Hammer against Thomas E. Robertson, Commissioner of Patents. On motion of defendant to dismiss bill. Granted.

Messrs. Hauff & Warland (*Mr. William E. Warland* of counsel) for the plaintiff.

Mr. Ralph C. Greene (*Mr. Howard Osterhout* of counsel) for the defendant.

GARVIN, *Dis. J.:*

This is a motion by defendant for an order dismissing the bill of complaint herein for want of jurisdiction. The action, to compel the issue of a patent, was brought in the eastern district of New York against the defendant, as Commissioner of Patents. The defendant contends that this court has no jurisdiction, inasmuch as the action must be brought in the Federal court of the District of Columbia, where the Commissioner of Patents has his official residence.

The real objection of the plaintiff to bringing suit in the District of Columbia is that the court of appeals of that District has affirmed a decision of the Patent Office refusing plaintiff a patent, and naturally may be expected to decide similarly any action brought by plaintiff to compel the issue of the same patent. From a decision in the last-mentioned action, plaintiff asserts that there is no appeal to the Supreme Court of the United States, while defendant as stoutly maintains that such an appeal lies.

The contention of the defendant that this court has no jurisdiction is based upon his claim that section 739 of the United States Revised Statutes controls, and is a bar to the instant suit in this district. That section reads as follows:

Civil suits—Where to be brought.—Except as provided in the five succeeding sections, no person shall be arrested in one district for trial in another, in any civil action before a district court; and, except as provided in the six succeeding sections, no civil suit shall be brought in any district court against any person by any original process or proceeding in any other district than that whereof he is an inhabitant but where the jurisdiction is founded only on the fact that the action is between citizens of different States, suit shall be brought only in the district of the residence of either the plaintiff or the defendant.

The case of *Butterworth* v. *Hill*, 114 U. S. 128; 5 Sup. Ct. 796; 29 L. Ed. 119; 31 O. G. 1043, is relied upon by the Government. The facts there are similar to those involved in the question now before the court, and unless the decision therein has been overruled or modified by later judicial expression or by statute it must be held to control here. The plaintiff answers the Government's contention by a reference to section 4915 of the United States Revised Statutes (Comp. St. sec. 9460) which reads as follows:

Whenever a patent on application is refused, either by the Commissioner of Patents or by the Supreme Court of the District of Columbia upon appeal from the Commissioner the applicant may have remedy by bill in equity; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to law, to receive a patent for his invention, as specified in his claim, or for any part thereof, as the facts in the case may appear. And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent on the applicant filing in the Patent Office a copy of the adjudication, and otherwise complying with the requirements of law. In all cases, where there is no opposing party, a copy of the bill shall be served on the Commissioner; and all the expenses of the proceeding shall be paid by the applicant, whether the final decision is in his favor or not.

This section refers to the right of an unsuccessful applicant for a patent having "remedy by bill in equity, and the court having cognizance thereof" on notice to parties, etc., may adjudge that such applicant receive a patent.

The plaintiff contends that *Butterworth* v. *Hill*, supra, does not now control, for the reason that the decision in that case was rendered in 1886; and that under the then existing law an appeal could be taken as of right to the United States Supreme Court from the Supreme Court of the District of Columbia; that in 1893 the Court of Appeals for the District of Columbia was established by an act which provided that the right of appeal from the Commissioner of Patents previously vested in the Supreme Court of the District of Columbia should be vested in the Court of Appeals for the District of Columbia. It is settled in matters involving a decision of the Commissioner of Patents no appeal may be taken to the United States Supreme Court from a decision of the Court of Appeals of the District of Columbia. *Frash* v. *Moore*, 211 U. S. 1; 29 Sup. Ct. 6; 53 L. Ed. 65; 137 O. G. 230; *Atkins* v. *Moore*, 212 U. S. 285; 29 Sup. Ct. 390; 53 L. Ed. 515; 212 O. G. 285; *Baldwin Co.* v. *Howard*, 256 U. S. 35; 41 Sup. Ct. 405; 65 L. Ed. 816; 256 O. G. 35. These cases, however, are no authority for the proposition that no appeal may be taken from a decision of the Court of Appeals of the District of Columbia affirming or reversing a decision of the Supreme Court of the District of Columbia.

The plaintiff contends that it would be illogical, if not unjust, to hold that, if an applicant in

an ex parte proceeding is unable to obtain a patent, he must start suit in the Supreme Court of the District of Columbia in order to avail himself of section 4915, supra, by reason of the refusal of the Commissioner of Patents to appear elsewhere, inasmuch as the Supreme Court of the District of Columbia would be bound by any former decision of the Court of Appeals of that District.

The plaintiff refers to many authorities which he claims justify the court in finding that, when Congress enacted Section 4915, it was thereby intended that, both in interference and in ex parte cases, the unsuccessful plaintiff should have a fair and impartial trial in a court of equity in a proceeding de novo, and should not be remanded to the Patent Office or to a court which has been held to be a branch of that Office. It seems to be well settled that the Court of Appeals for the District of Columbia is a part of or one of the tribunals of the Patent Office. *Clements* v. *Kirby* (C. C. A.) 274 Fed. 575; 292 O. G. 879, and cases therein cited. There would be much in the point, if plaintiff had no right of appeal to the Supreme Court.

The contention of plaintiff that no appeal lies to the United States Supreme Court from the decision of an action in equity brought in the Supreme Court of the District of Columbia is not well founded. Section 8 of the act of February 9, 1893 (ch. 74, 27 Stat. 436), reads as follows:

> That any final judgment or decree of the said court of appeals may be reexamined and affirmed, reversed, or modified by the Supreme Court of the United States, upon writ of error or appeal, in all causes in which the matter in dispute, exclusive of costs, shall exceed the sum of five thousand dollars, in the same manner and under the same regulations, as heretofore provided for in cases of writs of error on judgment or appeals from decrees rendered in the Supreme Court of the District of Columbia, and also in cases, without regard to the sum or value of the matter in dispute, wherein is involved the validity of any patent or copyright or in which is drawn in question the validity of a treaty or statute of or an authority exercised under the United States.

From this it is clear, I think, first, that this action must be brought in the Federal court of the District of Columbia; and, second, that the plaintiff, if unsuccessful there, may appeal to the Court of Appeals of the District of Columbia and then to the United States Supreme Court.

The motion is granted, and the bill is dismissed, for want of jurisdiction.

SUPPLEMENTAL OPINION.

Since the foregoing opinion was filed my attention has been called to the case of *Chott* v. *Ewing*, 237 U. S. 197; 35 Sup. Ct. 571; 59 L. Ed. 913; 215 O. G. 1264, which seems to hold that section 250 of the Judicial Code (Comp. St. sec. 1227), which supersedes section 8 of the act of February 9, 1893, does not provide for an appeal from the Court of Appeals of the District of Columbia to the Supreme Court of the United States in patent cases. It therefore appears that no appeal would lie in an action of that character. However, this does not seem in any way to affect the soundness of my conclusion with respect to the district in which the defendant must be sued, and my decision must remain unaltered, except to express the regret that plaintiff should be compelled to resort to a court which he feels has already determined the issues of his case. It is to be hoped that this omission will be corrected by Congressional action as soon as opportunity offers.

U. S. District Court—Eastern District of New York.

IN RE HAMMER.

Decided June 3, 1924.

1. BILL IN EQUITY—SUIT UNDER SECTION 4915 REVISED STATUTES.

   The court would not be justified in holding that section 4915, Revised Statutes, gives a new definition to the term "bill in equity" by enlarging that description to include a special procedure in the nature of an application for a writ of mandamus.

2. SAME—SAME.

   A suit under this section is a plenary suit in equity to which all rules of practice in such suits are applicable. Such an action requires parties and the issuance of process.

3. SAME—SAME—PARTIES.

   The Commissioner of Patents is a necessary party in the event that there is no other opposing party.

In equity to procure the issuance of a patent under section 4915, United States Revised Statutes.

Messrs. Hauff & Warland (*Mr. William E. Warland* of counsel) for Hammer.

Mr. Ralph C. Greene (*Mr. Howard Osterhout*) counsel.

GARVIN, *J.:*

This is a motion to dismiss the bill of complaint herein for want of jurisdiction. The action or proceeding is at least unusual. Peter Hammer is named as plaintiff. No defendant or respondent is named. It is stated that the action was brought to compel the issuance of a patent under section 4915 United States Revised Statutes, which reads as follows:

> Sec. 4915. Whenever a patent on application is refused, either by the Commissioner of Patents or by the Supreme Court of the District of Columbia upon appeal from the Commissioner, the applicant may have remedy by bill in equity; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to law, to receive a patent for his invention, as specified in his claim, or for any part thereof, as the facts in the case may appear. And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent on the applicant filing in the Patent Office a copy of the adjudication, and otherwise complying with the requirements of law. In all cases, where there is no opposing party, a copy of the bill shall be served on the Commissioner; and all the expenses of the proceeding shall be paid by the applicant, whether the final decision is in his favor or not.

[1, 2, 3] An action for the relief which plaintiff now seeks was previously brought by plaintiff against the Commissioner of Patents as defendant. The latter appeared specially and moved to dismiss for want of jurisdiction. The motion was granted. *Hammer* v. *Robertson*, 291 Fed. 656; 325 O. G. 3. While the meaning of section 4915 is not altogether clear, the court would not be justified in holding that the section gives a new definition to the term "bill in equity" by enlarging that description to include a special proceeding in the nature of an application for a writ of mandamus. Indeed, it has been expressly held in *Dover* v. *Greenwood*, 177 Fed. 946, that a suit under this section is a plenary suit in equity to which all rules of practice in such suits are applicable. It is elementary that such an action requires parties and the issuance of process. In the older case of *Graham* v. *Teeter*, 25 Fed. 525, it was held that the Commissioner of Patents is not a necessary party to an action under section 4915, supra, where there is an opposing party. Obviously it follows that the Commissioner would be a necessary party in the event that there was no other opposing party. It was stated in *Morgan* v. *Daniels*, 153 U. S. 120, 124; 67 O. G. 811—

> it [an action under section 4915] is a controversy between two individuals over a question of fact which has once been settled by a special tribunal, intrusted with full power in the premises.

The case of *Central Ry. Signal Co. et al.* v. *Jackson*, 254 Fed. 103, has been carefully considered. It is the decision of a district court and does not pass upon the point involved, as the opinion plainly states. Certain observations in the opinion, merely dicta, seem contrary to the conclusion herein reached, but I can not consider them as controlling.

To allow the present proceeding would be to permit the plaintiff so called herein to avoid the effect of the requirement that the Commissioner of Patents be sued in the district of his official residence which was decided in *Hammer* v. *Robertson*, supra.

The relief which Peter Hammer, who calls himself "plaintiff" in the instant proceeding, seeks is against the Commissioner of Patents. The latter has appeared specially and moves to dismiss. The court is of the opinion that the motion should be granted.

Court of Appeals of the District of Columbia.

EVERSHARP PENCIL COMPANY *v.* AMERICAN SAFETY RAZOR CORPORATION.

No. 1,548. Decided April 7, 1924.

1. TRADE-MARK—NAME OF ANOTHER INDIVIDUAL, FIRM, CORPORATION, OR ASSOCIATION—"EVERSHARP."

   The provisions of the Trade-Mark Act do not permit an individual, firm, corporation, or association of another name to affect the good will of an established individual, firm, corporation, or association, built up under his or its name, through adoption of that name or the salient and characteristic feature of that name as a trade-mark.

2. SAME—SAME—SAME—NAME COUPLED WITH A DESIGN.

   The law does not permit the applicant corporation to adopt the dominant word in the name of the opposer corporation as a trade-mark, even with the representation of an arrow printed across the word.

3. SAME—NAME OF REGISTRANT.

   An individual, firm, corporation, or association may register his or its name as a trade-mark, provided that the registration be so accomplished as not to prevent a like use of the same name by others similarly entitled.

Mr. J. H. Milans and *Mr. C. T. Milans* for Eversharp Pencil Co.

Mr. W. Lee Helms for American Safety Razor Corporation.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

This is a trade-mark opposition proceeding in which the Eversharp Pencil Company, a corporation, opposes registration by the American Safety Razor Corporation of the word "Eversharp" as a trade-mark for razors, razor blades, safety razors and safety-razor blades.

In the agreed statement of facts it appears that the appellant company was incorporated in 1916, when it succeeded to the business and good will of Keeran & Co., including the trade-mark "Eversharp," which mark appellant since has continued to apply to its mechanical pencils and leads therefor. It further appears—

> that the trademark "Eversharp" constitutes the salient and characteristic feature of the corporate name of opposer.

In the statement accompanying its application for registration, appellee alleged June 20, 1920, as the earliest date of its use of the mark.

The Examiner of Interferences sustained the opposition because opposer was incorporated prior to applicant's earliest date. The Assistant Commissioner reversed the decision, the ground of the ruling being that applicant uses the word "Eversharp" in connection with an arrow, as follows:



The presence of this arrow, under the view of the Assistant Commissioner, renders applicant's mark sufficiently distinctive. In other words, he held that the mark is not "merely that of a corporate name." The question for decision, therefore, is whether one of two corporations of different names may adopt as its trade-mark the dominating feature of the corporate name of the other, under any circumstances.

[1, 2, 3] In *National Cigar Stands Co.* v. *Frishmuth Bro. & Co.*, 324 O. G. 675, we ruled that the provisions of the Trade-Mark Act that no mark shall be registered which—

> consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed or woven in some particular or distinctive manner,

do not permit an individual, firm, corporation or association of another name to affect the good will of an established individual, firm, corporation or association, built up under his or its name, through adoption of that name as a trade-mark; that the real purpose of these provisions was to permit an individual, firm, corporation or association to register his or its name as a trade-mark provided that the registration be so accomplished as not to prevent a like use of the same name by others similarly entitled. That ruling is applicable and controlling here. See also: *Asbestone Co.* v *The Philip Carey Mfg. Co.*, 41 App. D. C., 507; 200 O. G. 857; *Mansfield Tire & Rubber Co.* v. *Ford Motor Co.*, 44 App. D. C. 205; 222 O. G. 1056; *Beechnut Cereal Co.* v. *Beech-Nut Packing Co.*, 51 App. D. C. 5; 273 Fed. 367; 287 O. G., 407; *Howard Co.* v. *Baldwin Co.*, and *Howard Co.* v. *Valley Gem Piano Co.*, 48 App. D. C. 437, and *Tinker* v. *Patterson Dental Supply Co.*, 53 App. 37; 287 Fed. 1014; 310 O. G. 489.

The decision therefore is reversed and the opposition sustained.

Reversed.

Mr. Chief Justice SMYTH dissents, upon the ground that applicant's mark does not consist merely in the corporate name of the opposer.

U. S. Circuit Court of Appeals—Fourth Circuit.

SMITHEY *v.* ROBERTSON, COMMISSIONER OF PATENTS.

Decided May 6, 1924.

1. INVENTION—AGGREGATION OF ELEMENTS—NO UNITARY RESULT.

Where the gasoline and oil registers of the claims have neither a mechanical nor a cooperative relation with the speedometer or the odometer elements, each operating independently of the other, and when combined forming but a mere aggregation of unrelated elements not cooperating to produce a unitary result, *Held* that the claims are unpatentable.

2. SAME — SAME — COMBINATION OPERATION ENTIRELY THROUGH THE INTELLIGENCE OF THE USER.

A combination operating entirely through the intelligence of the user is not sufficient of itself to constitute a valid combination.

APPEAL from the District Court of the United States for the District of Maryland, at Baltimore.

Before WOODS and WADDILL, Circuit Judges, and WEBB, District Judge.

Mr. C. J. Williamson for Smithey.

Mr. Theodore A. Hostetler for the Commissioner of Patents.

WADDILL, *Cir. J.:*

This is an appeal from a decree of the United States District Court for the District of Maryland rendered on the 9th day of February, 1923, dismissing complainant's bill.

The bill was filed pursuant to the provisions of section 4915 of the Revised Statutes of the United States, as amended by the act of February 9th, 1893, (sec. 4915 R. S., 8 Comp. Stat. Ann. sec. 9460, p. 10392, amended act, sec. 9456, Comp Stat. Ann. p. 10374, 27 Stat. L. 436), praying that the complainant be adjudged by the court entitled to receive a patent for his invention particularly specified in his claims, notwithstanding the fact that the same had been refused and adjudicated against him by the proper authorities authorized to issue patents.

The section in question as amended provides briefly that whenever a patent on application is refused, either by the Commissioner of Patents or by the Court of Appeals for the District of Columbia, the appellant may have a remedy by bill in equity, and the court having cognizance thereof, on notice being given as required by the act, may adjudge such applicant is entitled according to law to receive a patent for his invention, as specified in his claim, or for any part thereof as the facts in the case may appear, and in case of an adjudication favorable to the applicant, to authorize the Commissioner to issue such patent upon the applicant filing in the Patent Office a copy of the court's adjudication and otherwise complying with the law.

The appellant's application was for a patent for an improvement in oil-registering devices, dated May 23rd, 1916, Serial Number 99,345, and contained three claims, as follows:

1. An apparatus substantially as described comprising a casing, an odometer or odometers therein for indicating the results accomplished, said odometers being automatically operated in securing such results, and a pair of registers arranged laterally to each other, and adapted to indicate the material or materials consumed in effecting the result indicated by the odometers, and means for manually operating said registers, said means consisting of devices projecting laterally beyond the casing at the opposite sides thereof and symmetrically disposed, as and for the purposes set forth.

2. An apparatus substantially as described comprising a casing, odometers therein for indicating the total and trip mileage, said odometers being automatically operated, and an oil register and a gasoline register in the casing and arranged laterally to each other, and having means whereby they may be manually operated, substantially as set forth.

3. An apparatus substantially as described comprising a casing, odometers for indicating the results accomplished, said odometers being automatically operated in securing such results, and a manually operated and controlled register or registers for indicating the material or materials consumed for effecting such results.

The application as respects the three claims set forth, was duly considered in the Patent Office, first by a Primary Examiner, then by the Examiners in Chief, and finally by the Commissioner, and a patent refused. From this action an appeal was taken to the Court of Appeals for the District of Columbia, and the decision appealed from was affirmed.

Upon filing the bill in the district court of Maryland, the case was fully heard on testimony adduced, with the result that the decree dismissing the bill of complaint complained of was entered, from which this appeal was taken.

The assignments of error present for the consideration of the court whether the district court erred in holding that appellant's claims were without patentable invention, and in denying the relief prayed for, and dismissing the bill.

Careful examination and consideration of the record in this case shows that in the Patent Office as well by the Primary Examiner as by the Examiners in Chief and the Commissioner of Patents, a thorough investigation of the question of the patentability or nonpatentability of the complainant's devices was had, and after careful deliberation, it was determined that the claims were nonpatentable for lack of novelty; and the Primary Examiner and the Examiners in Chief reached the conclusion that whatever there was of novelty in the supposed invention, it had been theretofore anticipated in the prior art by others. The Court of Appeals of the District of Columbia (*in re Smithey*, 265 Fed. 1014; 276 O. G. 211) upon appeal, affirmed this action, and held that placing within the casing of an ordinary speedometer and odometer a manually-operated register as an independent unit to record the quantity of gas and oil supplied to an automobile, was not a valid combination for which a patent could be granted.

[1] After the fullest consideration, we find ourselves in full accord with the views of the Commissioner of Patents and the Court of Appeals of the District of Columbia affirming the same, with respect

to the nonpatentability of the claims in question. The principle upon which the element of patentability arises, resulting from a combination of devices, is well understood; and it will be found that the claims made in this case do not present such novelty as would warrant the issuance of a patent therefor. There is no such relation of the parts of the proposed appliance one to the other, and no such coacting one with the other as to produce a true result. The gasoline and oil registers have neither a mechanical nor a cooperative relation with the speedometer or the odometer elements. Each operates independently of the other, and combined are but a mere aggregation of unrelated elements not co-operating to produce a unitary result, and therefore unpatentable.

[2] We concur fully with the Commissioner of Patents and the Court of Appeals for the District of Columbia in the view that the combination in question is one operating entirely through the intelligence of the user, and hence not sufficient of itself to constitute a valid combination. *In re Smithey*, 265 Fed. 1014, supra, and cases cited; *Schmid* v. *Scovill Mfg. Co.*, 37 Fed. 345; *Autosales Gum &c. Co.* v. *Caille Bros. Co.*, 224 Fed. 473; *Gas Machinery Co.* v. *U. S. Gas Improvement Co.*, 228 Fed. 684; *Willard* v. *Union Tool Co.*, 253 Fed. 48, 53, 54; *Muser* v. *Bell*, 278 Fed. 904, 912; *Gross* v. *Frank*, 293 Fed. 702; *Hailes* v. *Van Wormer*, 87 U. S. 353, 368; *Brinkerhoff* v. *Aloe*, 143 U. S. 515; *Richards* v. *Chase Elevator Co.*, 158 U. S. 299, 302; 71 O. G. 1456; *Office Specialty Co.* v. *Fenton etc. Co.*, 174 U. S. 492, 498; 87 O. G. 1608.

Full consideration has been given to the authorities cited by the appellant, and in our opinion they do not serve to produce a result different from that announced herein as bearing on the claims in issue in this case.

The decision of the district court appealed from will be affirmed with costs.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921. R. S., as amended Feb. 18, 1922.]

874,666, Gauthier & Rodriques-Ely, Process and device for perforating and cutting metals with divided combustible leading; 880,099, same. Process and device for heating and welding metals; 1,028,410, J. W. Whitford, Apparatus for cutting metals by means of gases, decree affirmed (notice dated May 27, 1924), C. C. A. (2d Cir.), Doc. 8291, *Davis-Bournonville Co.* v. *A. Milburn Co.*

880,099. (See 874,666).

881,682, Harrison & Burns, Shield for the use of linemen; 992,738, H. E. Marshall, Lineman's protector, suit filed May 19, 1924, D. C., N. D. Ill. (E. Div.), Doc. 3993, *C. E. McCormick et al.* v *W. H. Salisbury & Co.*

890,570, R. A. McLauren, Gummed paper and process of making same, Stipulation of counsel and final decree dismissing bill May 10, 1924, D. C., M. D. Pa., Doc. 386, *McLauren-Jones Co.* v. *Eureka Specialty Printing Co.*

963,203, 1,353,799, J. A. Boyce, Printing and folding machine, suit filed May 8, 1924, D. C., N. D. Ill., Doc. 3981, *J. A. Boyce* v. *The Duplex Printing Press Co.*

983,994, N. T. Harrington, Carburetor; 984,032, J. B. Seager, same, suit filed May 27, 1924, D. C. Oreg., Doc. E 8681, *H. R. Seager et al.* v. *P. Suetter (Simplex Garage)*.

984,032. (See 983,994).

986,698, J. W. Doster, Railway-tie plate, suit filed May 22, 1924, D. C., N. D. Ill., (E. Div.), Doc. 4010, *J Lundie* v. *The National Supply Co.*

992,738 (See 881,682).

1,009,502, B. Goldman, Skylight, suit filed Apr. 28, 1924, D. C., E. D. N. Y., Doc. 1690, *Superior Skylight Co., Inc.*, v. *The Zerbe Construction Co., Inc., et al.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps and for other purposes, final consent decrees sustaining patents, adjudging infringement, and granting injunction filed June 6, 1924, D. C., S. D. N. Y., Doc E 28/364, *General Electric Co.* v. *Manhattan Electrical Bargain House, Inc., et al.* Same, decree filed June 3, 1924, D. C., S. D. N. Y., Doc. E 29/46, *General Electric Co.* v. *Premo Electric Co., Inc., et al.* Same, suit filed Apr. 5, 1924, D. C., E. D. N. Y., Doc. 1626, *General Electric Co.* v. *Rite-Lite Lamp Co.*

1,028,410. (See 874,666.)

1,069,154, A. V. Maedje, Protector for automobile radiator, suit filed May 9, 1924, D. C., N. D. Ill., Doc. 3983, *Irving Engineering Sales Co., Inc.* v. *Pines Winterfront Co.*

1,082,933. (See 1,018,502.)

1,114,299, L. Severus, Electric-light fixture, suit filed Apr. 21, 1924, D. C., E. D. N. Y., Doc. 1662, *C. H. Jochmus* v. *Shapiro & Aronson, Inc.*

1,117,808, 1,117,943, C. F. Dilg, Ball bearing, appeal filed Mar. 4, 1924, C. C. A. (2d Cir.), Doc. 8249, *Bearings Co. of America* v. *D. P Harris Hardware & Mfg. Co.* Decree affirmed. (Notice dated May 27, 1924.)

1,117,943. (See 1,117,808.)

1,132,273, W. Jay, Fuel-supply system for explosive engines, suit filed May 27, 1924, D. C., Oreg., Doc. E 8682, *W. Jay et al.* v. *P. Suetter (Simplex Garage.)*

1,193,884, V. J. Emery, Grinder, decree adjudging claim 5 invalid and claim 6 not infringed; bill dismissed (notice dated May 28, 1924), D. C., N. D. Ohio (W. Div.), Doc. 434, *The Auto Hone Co., Inc., et al.* v. *The Hall Cylinder Hone Co.*

1,242,872, 1,357,521, C. Saunders, Self-serving store; 1,297,405, same, Price-tagging means, suit filed May 2, 1924, D. C., E. D. La., Doc. 17,580, *Piggly Wiggly Corp.* v. *New Orleans Thrift Stores, Inc.*

1,297,405. (See 1,242,872.)

1,310,320, F. H. Bogda, Stock-watering bowl, appeal filed Mar. 14, 1922, C. C. A. (7th Cir.), Doc. 3117, *F. H. Bogda et al.* v. *The Automatic Carrier Co.* Decree of the district court affirmed Jan. 10, 1923.

1,316,120, F. W. Sutherland, Machine for and method of sealing waxed cartons, consent decree for plaintiff Apr. 26, 1924, D. C., E. D. Wis., Doc. 1360 C. D., *Sutherland Paper Co.* v. *Menasha Printing & Carton Co.*

1,344,570. (See Des. 54,152.)

1,353,799. (See 963,203.)

1,357,521. (See 1,242,872.)

1,359,400. (See 1,367,341.)

1,367,341. C. C. Abbott, Electric heating unit; 1,359,400, E. N. Lightfoot, Electric heater, appeal filed Jan. 29, 1924, C. C. A. (7th Cir.), Doc. 3386, *The Cutler Hammer Mfg. Co.* v. *General Electric Co.*

1,384,035, H. L. Alexander, Cooking utensil, appeal filed Feb. 19, 1924, C. C. A. (7th Cir.), Doc. 3399, *H. L. Alexander et al.* v. *D. Belson.*

1,387,245, F. J. Dowling, Lock, suit filed May 24, 1924, D. C., S. D. N. Y., Doc. E 29/217, *F. J. Dowling* v. *Allan Lock Corp.*

1,395,298, 1,412,966, W. H. Richman, Container, appeal filed Feb. 25, 1924, C. C. A. (7th Cir.), Doc. 3401, *J. Wood Mfg. Co.* v. *Geuder-Paeschke & Frey Co.*

1,411,227, L. A. Suekoff, Spring-cushion construction, interlocutory decree for plaintiff holding infringement and awarding injunction (notice dated May 27, 1924), D. C., W. D. Mich. (S. Div.), Doc. 2000, *L. A. Suekoff et al.* v. *D'Arcy Spring Co.* Same, suit filed June 5, 1924, D. C., W. D. Mich. (S. Div.), *L. A. Suekoff et al.* v. *National Spring & Wire Co.*

1,412,966. (See 1,395,298.)

1,418,991, Thompson & Currie, Screw propeller, Final decree dismissing bill filed May 5, 1924, D. C. Wash., Doc. E 319, *Thompson Fishtail Propellers Co.* v. *Cloverleaf Propellers Co. et al.*

1,419,137, 1,481,839, J. A. Hewes, Men's neckwear, suit filed May 27, 1924, D. C., N. D. Calif., Doc. 1283, *Hewes & Potter* v. *B. M. Levin.*

1,443,655, J. D. Shaffer, Auxiliary sled runner, suit filed July 28, 1923, D. C. Utah, Doc. 7689, *P. R. Peterson and United States* v. *Coast-O-Mfg. & Sales Co. et al.* Suit under section 4901, Revised Statutes, verdict of jury awarding $100 against defendants, Coast-O-Mfg. & Sales Co., P. R. Peterson, H. H. Cluff, and N. G. Morgan (notice dated May 23, 1924.)

1,447,090, J. E. Langsdorf, Necktie, suit filed May 24, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1166, *Franc-Strohmenger & Cowan, Inc.*, v. *Baro Forchheimer.*

1,449,468, H. B. Walter, Box, suit filed Apr. 30, 1924, D. C., E. D. Wis., Doc. 1420 C. D. *Chicago Mill & Lumber Co.* v. *Kieckhefer Container Co.*

1,450,080, L. A. Hazeltine, Method and electric circuit arrangement for neutralizing capacity coupling, decree pro confesso sustaining patent, adjudging infringement, and granting injunction filed May 22, 1924, D. C., S. D. N. Y., Doc. E 28/354, *Hazeltine Research Corp. et al.* v. *Times Square Auto Supply Co., Inc.*

1,450,080, L. A. Hazeltine, Method and electric circuit arrangement for neutralizing capacity coupling; 1,489,228, same, Method and means for neutralizing capacity coupling in audions, suit filed May 23, 1924, D. C., S. D. N. Y., Doc. E 29/215, *Hazeltine Corp. et al.* v. *Electric Service Engineering Corp.*

1,456,088, P. A. E. Armstrong, Heat-treated stable-surface alloy steel, suit filed May 26, 1924, D. C., N. D. N. Y., Doc. 495, *Ludlum Steel Co.* v. *L. R. Mack, Inc.*

1,481,839 (See 1,419,137.)

1,489,228. (See 1,450,080.)

1,490,845, S. E. Music, Cosmetic receptacle, suit filed May 21, 1924, D. C., S. D. N. Y., Doc. E 29/211, *S. E. Music et al.* v. *Reich-Ash Corp. et al.*

Des. 54,152, J. J. Warren, Wall paper; 1,344,570, same, Wall paper and method of making same, appeal filed Feb. 5, 1923, C. C. A. (7th Cir.), Doc. 3257, *Harmon Paper Co.* v. *Kimberly Clark Co.* Decree of the district court affirmed Nov. 28, 1923.

Des. 60,878, Pardee, Dewire & Suporter, Radiator cap, bill dismissed without prejudice by stipulation, filed Oct. 6, 1923, D. C. Utah, Doc. 7778, *Miller & Pardee, Inc.*, v. *Climax Automatic Cab Co.*

Des. 61,263, F. Roettges, Pedestal for lighting fixtures; Des. 61,264, Shade for lighting fixtures, final decree sustaining patents, adjudging infringement, and granting injunction filed May 23, 1924, D. C., S. D. N. Y., Doc. E 25/169, *W. R. Noe & Sons* v. *Turchin Mfg. Novelty Co.*

Des. 61,264. (See 61,263.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,340,657, E. Jacobus, Lightning arrester, decided May 29, 1924, claim 8.

Pat. 1,372,617, S. P. Fullinwider, Submarine mine, decided June 23, 1924, claim 21.

Pat. 1,405,552, F. H. Nicholson, Railway-traffic-controlling apparatus, claims 1, 2, 7, and 10.

Disclaimers.

1,305,705.—*Millard F., Field* and *Charles D. Lanning*, Boston, Mass. WARP-UNITING MECHANISM. Patent dated June 3, 1919. Disclaimer filed July 5, 1924, by the assignee, *Barber-Colman Company.*

Hereby enters this disclaimer to the following claims of said Letters Patent, to wit:

Nos. 1, 2, 3, 4, 6, 8, 9, 11, 15, 16, 17, 26, 27, 29, 30, 32, 34, 35, 36, 37, 38, 39, 40, 44, 45, 46, 47, 48, 49, 50, 53, 54, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 84, 85, 86, 91, 92, 93, 94.

1,486,206.—*William M. Venable*, Pittsburgh, Pa. BIN. Patent dated March 11, 1924. Disclaimer filed July 23, 1924, by the assignee, *Blaw-Knox Company.*

Hereby enters this disclaimer to claims 16, 17, 18, 19, and 30.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 5, 1924.

[VOL. 325. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 141,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEE-GREEFKENS CO. INC., San Francisco, Calif. Filed Jan. 8, 1921.

PARAMOUNT

Particular description of goods.—Ice-Cream Powder, Nougat Cream, Pie Filling, Food-Flavoring Extracts, Gelatin Powders, and Fruit Essences.

Claims use since Aug. 10, 1919.

Ser. No. 159,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 21, 1922.

LIGHT HOUSE

Particular description of goods.—Shortening Compound Composed of Beef Fat.

Claims use since July 1, 1921.

Ser. No. 161,953. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. AMERICAN TAP BUSH CO., Detroit, Mich. Filed Apr. 10, 1922.

Peerless

Applicant disclaims the right to the exclusive use of the word "Peerless" except as used in connection with the mark as shown, but without waiving any of its common-law rights thereto.

Particular description of goods.—Cereal-Beverage Cooling and Dispensing Outfits Fully Equipped with Tubes, Taps, Hose, Pumps, and the Like.

Claims use since 1899.

Ser. No. 162,374. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass. Filed Apr. 17, 1922.

BOSTON WOVEN HOSE & RUBBER COMPANY BULL DOG BELT

No claim is made to the word "Belt" apart from the mark shown in the drawing.

Particular description of goods.—Rubber Belting, Stitched Canvas Belting, Rubber Packing, Rubber or Rubber and Fabric Hose, Rubber or Rubber and Fabric Tires for Vehicles, Rubber Tubing, and Fruit-Jar Rings.

Claims use since about July 1, 1890.

Ser. No. 163,684. (CLASS 12. CONSTRUCTION MATERIALS.) MURPHY-MCEUEN COMPANY, Chicago, Ill. Filed May 11, 1922.

M M Company

Particular description of goods.—Felt Asphalt.

Claims use since Feb. 1, 1922.

Ser. No. 164,453. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHERMAN L. PARMENTER, New York, N. Y. Filed May 24, 1922.

NUART

Particular description of goods.—Transfer Sets Containing Crayons, Pencils, Brushes, Water Colors, Slates, Celluloid Outline Sheets, Frames for Same, Transfer Sticks, and Pictures.
Claims use since May 3, 1921.

Ser. No. 166,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLANDSCHE CACAO- EN CHOCOLADEFABRIEKEN V/H BENSDORP & Co., Amsterdam, Netherlands. Filed July 15, 1922.

ROYAL DUTCH

Particular description of goods.—Cocoa.
Claims use since 1888.

Ser. No. 167,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLANDSCHE CACAO- EN CHOCOLADEFABRIEKEN V/H BENSDORP & Co., Amsterdam, Netherlands. Filed Aug. 4, 1922.



Particular description of goods.—Cocoa.
Claims use since 1888.

Ser. No. 168,036. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GUNZE SEISHI KABUSHIKI KWAISHA, Ayabe-Machi, Japan. Filed Aug. 10, 1922.



The words "Best Filature" are disclaimed apart from the mark shown in the drawing. The Japanese characters written at lower part of trade-mark is the address and name of applicant, the first line of characters being translated as follows: "Dai-Nihon, Tanba-no-Kuni, Ayabe-Machi" while second line may be translated to read "Gunze Seishi Kabushiki Kwaisha." These characters are disclaimed apart from the mark shown in drawing.
Particular description of goods.—Raw Silk.
Claims use since June, 1896.

Ser. No. 168,425. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINOT, HOOPER & Co., New York, N. Y. Filed Aug. 18, 1922. Under ten-year proviso.



Particular description of goods.—Cotton Piece Goods.
Claims use since about July 17, 1875.

Ser. No. 171,834. (CLASS 39. CLOTHING.) FEDERAL UNDERWEAR Co., New York, N. Y. Filed Nov. 11, 1922.



Without waiver of any common-law rights no claim is made to the exclusive use of the pictorial representation of a coat apart from the mark shown in the drawing. The portrait shown in the drawing is merely fanciful.
Particular description of goods.—Infants' Coats.
Claims use since about Sept. 15, 1922.

Ser. No. 174,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. H. BOEHRINGER SOHN, Nieder-Ingelheim-on-the-Rhine, Germany. Filed Jan. 2, 1923.

Panitrin

Particular description of goods.—Papaverine Nitrite, Papaverine Salts, Medicines and Pharmaceutical Preparations for Reducing Blood Pressure, Pharmaceutical Preparations for Treating Diseases of the Ear, Remedies for Wounds, Salves for Wounds, and Plasters for Wounds.
Claims use since Sept. 9, 1919.

Ser. No. 177,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIJOS DE YBARRA, Seville, Spain. Filed Mar. 9, 1923.



No claim is made to the words 'Aceite Puro de Oliva Refi Nado" or "De Hijos de y Barra Sevilla Espana" apart from the mark shown on the drawing.
Particular description of goods.—Olive Oil.
Claims use since Nov. 22, 1922.

Ser. No. 177,341. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEOPHILUS O. WILLIAMS, doing business as Southern Laboratories, Petersburg, Va. Filed Mar. 12, 1923.

AMERICAN BEAUTY

Particular description of goods.—Hair Pomades.
Claims use since 1913.

Ser. No. 178,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CANNERIES Co., San Francisco, Calif. Filed Mar. 29, 1923.

PACIFIC SUN

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since 1919.

Ser. No. 178,483. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VITREOUS ENAMELING COMPANY, Cleveland, Ohio. Filed Apr. 2, 1923.

VITREO

Particular description of goods.—Table Tops, Chemical Pans (For Evaporating, Drying, Etc.), Washtub Covers, Brick Pallets, Enameled Signs, Steam-Table Pans and Covers, Enameled Serving Trays, Enameled Restaurant Fittings, Enameled Scale Pans, and Enameled Cooking Utensils.
Claims use since Feb. 15, 1923.

Ser. No. 179,217. (CLASS 26. JEWELRY AND PRECIOUS-METAL WARE.) NESSELROTH & Co., INC., New York, N. Y. Filed Apr. 16, 1923.

NESTLE

Particular description of goods.—Clasps for Necklaces.
Claims use since Mar. 1, 1922.

Ser. No. 179,564. (CLASS 12. CONSTRUCTION MATERIALS.) THE UTAH LIME & STONE COMPANY, Salt Lake City, Utah. Filed Apr. 23, 1923.

TIMPIE

Trade-mark consists of the word "Timpie."
Particular description of goods.—Hydrated Lime, Keene's Gauged Finish, Cement; Base Coat, a Kind of Plaster Used as a Plaster for Covering Lath as a First Coat of Plaster.
Claims use since Oct. 15, 1919.

Ser. No. 179,893. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TORSION TEST PISTON RING CORPORATION, Newark, N. J. Filed Apr. 28, 1923.



Applicant does not claim herein the exclusive right to the use of a representation of the ring illustrating the goods apart from the mark herein shown.
Particular description of goods.—Piston Rings.
Claims use since November, 1922.

Ser. No. 180,011. (CLASS 26. JEWELRY AND PRECIOUS-METAL WARE.) R. H. JONES AND SONS, Birmingham, England. Filed May 1, 1923.

REGENT

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches or Artificial Pearls.
Claims use since 1915.

Ser. No. 180,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY A. JACKSON, doing business as Ideal Foot Powder Co., Pomona, Calif. Filed May 5, 1923.

IDEAL

Particular description of goods.—Foot Powder.
Claims use since May 1, 1922.

Ser. No. 180,261. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE AMERICAN RUBBER AND TIRE COMPANY, Akron, Ohio. Filed May 7, 1923.



Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Apr. 13, 1923.

Ser. No. 180,539. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LA CROSSE MOTORS EQUIPMENT CO., La Crosse, Wis. Filed May 12, 1923.



Particular description of goods.—Piston Rings.
Claims use since Mar. 1, 1923.

Ser. No. 180,604. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAMESTOWN BREWING CO., Jamestown, N. Y. Filed May 14, 1923.

400

Particular description of goods.—Distilled Water and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since about January, 1923.

Ser. No. 180,778. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SUPERIOR MOTOR PARTS COMPANY, Pittsburgh, Pa. Filed May 17, 1923.

GENUPARTS

Particular description of goods.—Engines, Internal-Combustion Motors, Pistons, Piston Pins, Poppet and Engine Valves, Gears, Timing Gears, Pinions, Crank Shafts, Connecting Rods, Bearings, Flywheels, Flywheel Housings, Clutches, Clutch Shifters, Cylinder Casings and Heads, Pumps, Plungers, Crank Cases, Gear Cases, Bushings, Thrust Rings, Cams and Cam Shafts, Bearing Races, Collars, Sleeves, Thrust Shoes, Shaft Rods, Levers, Bell Cranks, Ball Bearings, Exhaust and Intake Manifolds, Housings, Oil Strainers and Screens, Grease Cups, Oil Tubes, Transmissions, Transmission Cases, Differentials, Universal Joints, Governors, Fans, Fan Pulleys, Gear Shifts, Shifting Levers and Rods, Pedals, Worms and Worm Shafts, and Parts Thereof.
Claims use since about May 12, 1923.

Ser. No. 180,924. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FARBER BROTHERS, New York, N. Y. Filed May 21, 1923.

Pharaoh

Particular description of goods.—Silver-Plated Hollow Ware.
Claims use since May 1, 1923.

Ser. No. 181,090. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SAFETY CAR HEATING & LIGHTING COMPANY, New York, N. Y. Filed May 24, 1923.

ALUKALI

Particular description of goods.—Metallic Reflectors for Use in Connection with Various Sources of Light.
Claims use since October, 1917.

Ser. No. 181,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ENICHIRO NAKAMURA, Hatbaragun, Shidzuoka-ken, Japan. Filed June 1, 1923.



The Japanese character shown on the drawing is an initial letter of applicant's name.
Particular description of goods.—Sauce Called Soys.
Claims use since Sept. 16, 1903.

Ser. No. 181,883. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FLEISCHAKER & BAUM, New York, N. Y. Filed June 12, 1923.



Particular description of goods.—Doll.
Claims use since about Feb. 1, 1923.

Ser. No. 183,154. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY JACKSON, doing business as H. Jackson & Company, Belfast, Ireland. Filed July 13, 1923.



Particular description of goods.—Glass Cloths, Tea Cloths, Basin Cloths, Pantry Cloths, Housemaid Cloths, Kitchen Cloths, Motor Cloths, Stable Cloths, Knife Cloths, Oven Cloths, Dishcloths, Lavatory Cloths, Slop Cloths, Chamber Cloths, Plate Cloths, Pudding Cloths, Damask Tablecloths, Damask Napkins, Damask Towels, Huck Towels, Roller Towels, Sheets, Check Glass Cloths.
Claims use since Nov. 29, 1922.

Ser. No. 183,735. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) COPPUS ENGINEERING CORPORATION, Worcester, Mass. Filed July 27, 1923.

VANO

Particular description of goods.—Power-Driven Blowers and Fans for Drafting and Ventilating Purposes.
Claims use since Jan. 1, 1921.

Ser. No. 183,736. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) COPPUS ENGINEERING CORPORATION, Worcester, Mass. Filed July 27, 1923.



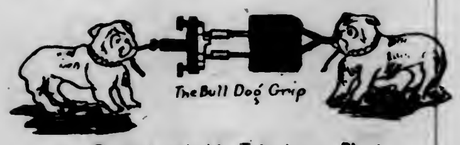
Particular description of goods.—Power-Driven Blowers and Fans for Drafting and Ventilating Purposes.
Claims use since Jan. 1, 1921.

Ser. No. 186,362. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIRAM GILL, Carthage, Miss. Filed Sept. 29, 1923.

Gill Salv

Particular description of goods.—Pharmaceutical Preparation, a Healing Salve.
Claims use since Aug. 20, 1923.

Ser. No. 186,703. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN FIETH. New York, N. Y. Filed Oct. 8, 1923.



The words "Interchangeable Telephone Plug" being disclaimed. The representation of the goods is disclaimed apart from the remainder of the mark.

Particular description of goods.—Radio Jack Plugs.

Claims use since 1921.

Ser. No. 187,075. (CLASS 12. CONSTRUCTION MATERIALS.) WOODHEAD LUMBER COMPANY, Los Angeles, Calif. Filed Oct. 16, 1923.



Particular description of goods.—Lumber, Sash, and Doors, and Composition Asphaltic Roofing Paper, Asbestos Shingles, and Redwood and Cedar Shingles.

Claims use since January, 1917.

Ser. No. 187,350. (CLASS 12. CONSTRUCTION MATERIALS.) HENRY RUBEN, doing business as To-Rain-On Products Co. (Not Inc.), Chicago, Ill. Filed Oct. 22, 1923.

REIGN-ON

Particular description of goods.—Roof Cement.

Claims use since Sept. 1, 1923.

Ser. No. 187,373. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BERNA WATCH CO., S. A., St. Imier, Switzerland. Filed Oct. 23, 1923.

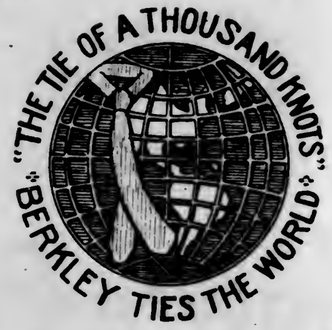


The words "Swiss Made" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Watches, Watch Movements, Timing Watches, Stop Watches, Watchcases, and Watch Dials.

Claims use since January, 1909.

Ser. No. 187,845. (CLASS 39. CLOTHING.) BERKLEY KNITTING COMPANY, Philadelphia, Pa. Filed Nov. 2, 1923.



The representation of the necktie is not applicant's trade-mark apart from the mark shown in the drawing. The lines on the drawing are not intended to designate or fix any particular color.

Particular description of goods.—Neckties and Cravats.

Claims use since Sept. 14, 1923.

Ser. No. 188,465. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MALLY PEABODY BEACH, Ridgefield, Conn. Filed Nov. 17, 1923.

SCRUB

Particular description of goods.—Floating Toys.

Claims use since about Aug. 1, 1921.

Ser. No. 188,514. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.

RÖTAREX

Kook-Rite

Particular description of goods.—Electrical Cookers.

Claims use since June 13, 1923.

Ser. No. 188,516. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.

Kook-Rite

Particular description of goods.—Electrical Cookers.

Claims use since Nov. 9, 1922.

Ser. No. 188,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY B. BURT, Youngstown, Ohio. Filed Nov. 19, 1923.

Good Humor

Trade-mark "Good Humor" shown in accompanying drawing.

Particular description of goods.—Ice-Cream Suckers.

Claims use since about December, 1921.

Ser. No. 188,678. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL N. HITCHCOCK, doing business as Purity Chemical Co., Seattle, Wash. Filed Nov. 22, 1923.

Purity

Particular description of goods.—Disinfectant Liquids.

Claims use since Nov. 1, 1920.

Ser. No. 188,767. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE MURDOCK MFG. & SUPPLY COMPANY, Cincinnati, Ohio. Filed Nov. 23, 1923. Under ten-year proviso.

MURDOCK

Particular description of goods.—Hydrants, Street Washers, Drinking Fountains, Stationary Fillers for Automobile Radiators, Railway Water-Service Box, Horse-Watering Fonts, and Rubber Heads.

Claims use since 1853.

Ser. No. 188,892. (CLASS 43. THREAD AND YARN.) THE CORTICELLI SILK COMPANY, Northampton, Mass. Filed Nov. 26, 1923.

NONOTUCK

Particular description of goods.—Thread of Cotton, Silk, or Cotton and Silk or of Other Fibrous Material for Sewing, Crocheting, Embroidering, Knitting, Etc.

Claims use since about 1855.

Ser. No. 188,893. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CORTICELLI SILK CO., Florence, Mass. Filed Nov. 26, 1923. Under ten-year proviso.



Particular description of goods.—Silk Fabrics.

Claims use since about Jan. 6, 1893.

Ser. No. 188,915. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH H. LOWDEN, Elyria, Ohio. Filed Nov. 26, 1923.

LOWDRAINER

Particular description of goods.—Apparatus for Automobile Service Stations for Receiving and Conveying Liquids Drained from Automobiles.
Claims use since July 1, 1923.

Ser. No. 189,099. (CLASS 12. CONSTRUCTION MATERIALS.) CHENEY LIME COMPANY, Allgood, Ala. Filed Dec. 1, 1923.



No claim made for the words "Superfine," "White Lime," "Shelby," and "Saginaw, Alabama" apart from the mark shown in the drawing. The words "Shelby Lime Works" forming a feature of the trade-mark constitute the name of a plant owned and operated by applicant.
Particular description of goods.—Lime.
Claims use since October, 1922.

Ser. No. 189,340. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VIKING CORPORATION, Hastings, Mich. Filed Dec. 6, 1923.

VIKING

Particular description of goods.—Automatic Fire Sprinkler Systems and Parts Thereof.
Claims use since Mar. 1, 1921.

Ser. No. 189,646. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE TENAFLY WEAVERS, INC., Tenafly, N. J. Filed Dec. 13, 1923.



Particular description of goods.—Small Table Doilies, Luncheon Sets, Tray Cloths, Table Covers, Bureau Scarfs, Library-Table Scarfs, Afghans, Couch Covers, Bedspreads, Carriage Robes, Crib Blankets, in Cotton, Wool, and Silk.
Claims use since Nov. 15, 1923.

Ser. No. 189,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEOPLES DRUG STORES, INC., Washington, D. C. Filed Dec. 19, 1923.

PEOPLES

Particular description of goods.—Candies, Sandwiches, Crackers, Cakes, Pies, Rolls, Bread, Pastry, Ice Cream, and Coffee, Cocoa, Fruit Jams, Sweetened and Unsweetened Chocolate, Tea, Fresh Citrous Fruits; Nuts, Candied, Salted, and in Their Natural State; Dates, Peanut Butter, Green and Ripe Olives, Pickles, Grain Sugar, Loaf and Powdered Sugar, Eggs, Fresh Milk, Butter, Spices, Olive Oil for Food Purposes, and Cornstarch for Food Purposes.
Claims use since 1905.

Ser. No. 190,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD D. GAST, doing business as Beats-All Liniment, Lima, Ohio. Filed Dec. 22, 1923.



No claim is made to the words "Beats-All" apart from the mark shown in the drawing.
Particular description of goods.—Liniment for Bruises, Cuts, Burns, Sprains, Boils, Sores, Toothache, Blood Poisoning, Lockjaw, Bronchial Trouble, Chest Cold and Lungs, Cancer Pains of the Bowels and Stomach, and for All Aches, Pains, and Blemishes on Horses, Such as Broken-Down Ligaments or Sprained Tendons, Soreness, Cracked Heels, and Thrush.
Claims use since Apr. 1, 1921.

Ser. No. 190,534. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COMPO COMPANY, LIMITED, Lachine, Quebec, Canada. Filed Jan. 8, 1924.

LUCKY STRIKE

Trade-mark consists of the words "Lucky Strike."
Particular description of goods.—Talking-Machine Records.
Claims use since December, 1923.

Ser. No. 190,788. (CLASS 39. CLOTHING.) JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Jan. 14, 1924.

WONDERFUL SHOES

FOR WONDERFUL GIRLS

Particular description of goods.—Ladies' and Misses' Shoes of Leather and Combinations of Leather and Fabric.
Claims use since about Jan. 2, 1921.

Ser. No. 191,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH PACKING & PROVISION COMPANY, Somerville, Mass. Filed Jan. 31, 1924.



No claim is made to the exclusive rights in the words "Pure Pork Sausage" and "Brand" apart from the other features of the mark.
Particular description of goods.—Sausages.
Claims use since Mar. 15, 1923.

Ser. No. 191,580. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORRIS TAUB, doing business as Atlantic & Pacific Radio Co., New York, N. Y. Filed Jan. 31, 1924.



The words "Acme of Perfection" and the words "New York" appearing on the drawing are disclaimed apart from the mark shown.
Particular description of goods.—Radio Parts—Namely, Tubes, Batteries, Loud Speakers, Condensers, and Radio Receiving Sets.
Claims use since June, 1921.

Ser. No. 191,806. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE ALLIED BELTING COMPANY, Greenville, Ohio. Filed Feb. 5, 1924.

GREEN DUCK

Particular description of goods.—Canvas Belting.
Claims use since Jan. 1, 1924.

Ser. No. 191,830. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES R. IRVIN & CO. INC., Chicago, Ill. Filed Feb. 5, 1924.



Particular description of goods.—Game Board Played with Punches.
Claims use since Dec. 31, 1923.

Ser. No. 191,925. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed Feb. 6, 1924.



The lining on drawing is for shading.
Particular description of goods.—Vehicle Body Hardware—Namely, Vehicle Window-Regulator Handles, Automobile Door Handles, Automobile Pull-To Handles, Automobile Robe Rails, Automobile Foot Rests, Automobile Body Knobs, and Interior Trim Hardware for Automobile Bodies.
Claims use since June 1, 1921.

Ser. No. 191,967. (CLASS 12. CONSTRUCTION MATERIALS.) NATHAN PAINE, Oshkosh, Wis. Filed Feb. 7, 1924.

WIZARD

Particular description of goods.—Ironing-Board Cabinets to be Built Into a Wall.
Claims use since May 1, 1923.

Ser. No. 191,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. H. OEHMIG-WEIDLICH, Zeltz, Germany. Filed Feb. 7, 1924.

Minarot

Particular description of goods.—Hair Oils, Hair Pomades, Face Paints, Face Powders, Skin Creams, Disinfecting Mouth Waters, Disinfecting Mouth Pills, Disinfecting Chewing Tablets, Mustache Pomades, Toilet Vinegar, Toilet Glycerin, and Bath Salts.
Claims use since July 1, 1911.

Ser. No. 192,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed Feb. 9, 1924.

ANHEUSER-BUSCH BRAND

No claim is made to the word "Brand" appearing on the drawing.
Particular description of goods.—Corn Sugar.
Claims use since Sept. 5, 1923.

Ser. No. 192,139. (CLASS 38. PRINTS AND PUBLICATIONS.) MANZ ENGRAVING COMPANY, Chicago, Ill. Filed Feb. 11, 1924.

MANZ CHICAGO

Particular description of goods.—Printed Literature—Namely, Catalogues, Booklets, Car Cards, Inserts, Catalogue Inserts, Circulars, Broadsides, and Illustrated Letters.
Claims use since Jan. 1, 1912.

Ser. No. 192,211. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE COSMIC CRAYON COMPANY, LIMITED, Bedford, England. Filed Feb. 13, 1924.



No claim is made to the representation of the goods nor to the wording appearing on the drawing, including the word "Glitter-Wax."
Particular description of goods.—Prepared Wax Used for Modeling Purposes.
Claims use since Nov. 9, 1921.

Ser. No. 192,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. MAXCY, doing business as The Ridge Fruit Company, Frostproof, Fla. Filed Feb. 16, 1924.

Leader BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Citrous Fruits.
Claims use since Aug. 1, 1923.

Ser. No. 192,642. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) QUALITY TOOLS CORPORATION, New Wilmington, Pa. Filed Feb. 21, 1924.

OLD FORGE

Particular description of goods.—Tools—Namely, Pliers, Wrenches, Chisels, Punches, Hammers, Pneumatic Chisels.
Claims use since July 4, 1924.

Ser. No. 192,805. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE VELLUMOID COMPANY, Boston, Mass. Filed Feb. 25, 1924.

VELLUMOID VELLUMOID

Particular description of goods.—Sheet Packing and Gaskets Made of Paper Composition.
Claims use since July, 1920.

Ser. No. 192,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM T. JOHNS, doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Filed Feb. 26, 1924.

LIQUID GAS

The words "Liquid Gas" are disclaimed apart from the mark shown. However, applicant waives no common-law right to these words.
Particular description of goods.—Insecticide and Deodorant.
Claims use since Feb. 14, 1924.

Ser. No. 192,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed Feb. 28, 1924.



Particular description of goods.—Candy.
Claims use since Dec. 27, 1923.

Ser. No. 193,054. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LEE TRAILER & BODY COMPANY, Chicago, Ill. Filed Feb. 29, 1924.

LEE-ROLET

Particular description of goods.—Motor-Truck Bodies.
Claims use since about Sept. 1, 1923.

Ser. No. 193,357. (CLASS 43. THREAD AND YARN.) AARON J. ROTHSTEIN, New York, N. Y. Filed Mar. 6, 1924.



No claim is made to the representation of the goods aside from the mark shown.
Particular description of goods.—Artificial-Silk and Real-Silk Yarn.
Claims use since about June 1, 1913.

Ser. No. 193,365. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SMYTH-DESPARD CO., Utica, N. Y. Filed Mar. 6, 1924.

KRACKERJACK TRADE MARK

No claim is made to the exclusive right to the use of the words "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Furnaces and Pipeless Furnaces.
Claims use since Jan. 4, 1922.

Ser. No. 193,525. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) LA SOCIÉTÉ ANONYME "PARAPLUIE-REVEL," Lyon, France. Filed Mar. 10, 1924.

PARAPLUIE-REVEL



No claim is made to the words "Marque Deposee, Lyon and Paris" apart from the mark shown on the drawing.
Particular description of goods.—Umbrellas and Parasols.
Claims use since Sept. 9, 1922.

Ser. No. 193,716. (CLASS 39. CLOTHING.) NATHAN LEVIN, Pittsburgh, Pa. Filed Mar. 13, 1924.

FEMINAID

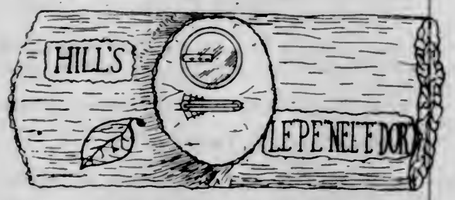
Particular description of goods.—Corsets, Girdles, Aprons, Belts, and Ladies' Bloomers.
Claims use since Feb. 9, 1924.

Ser. No. 193,830. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed Mar. 15, 1924.

AMPLIOLA

Particular description of goods.—Loud-Speaking Telephonic Apparatus Consisting of Loud Speakers, and Adapters for the Purpose of Wireless (or Radio Reception).
Claims use since Apr. 1, 1923.

Ser. No. 193,833. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM M. HILL, Chicago, Ill. Filed Mar. 15, 1924.



Particular description of goods.—Sectional and Intersectional Rotary Street-Car Windows.
Claims use since 1918.

Ser. No. 193,842. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 15, 1924. Under ten-year proviso.

MANHATTAN

Particular description of goods.—Radio Dials, Knobs, Keys, Receivers, Head Sets, Variometers and Variocouplers; Electrically-Operated Bells, Buzzers, and Sounders; Telegraph Keys, Strap Keys, Telegraph Sounders, Electric Relays, Electric Resonators, Telegraph and Buzzer Sets, Electric Spark Gaps, Induction Coils, Spark Coils; Electric Resistances and Coils and Apparatus Embodying the Same—Namely, Soldering Irons, Percolators, Stoves, Boilers, Cookers, Chafing Dishes, Toasters, Laundry Irons, Curling Irons, Heating Pads and Parts Therefor; Telephone Brackets, Telephones, Electric Condensers, Telephone Desk Sets; Telephone Generators, Head Sets, and Receivers; Electric Burglar-Alarm Apparatus, Electric Fire-Alarm Boxes, Automatic Electric Drops, Electric Annunciators and Parts Thereof, Lightning Arresters, Electric Cut-Outs, Push Buttons for Electric Switches, Electric Switches and Their Parts, Cover Plates for Electrical Wiring Devices, Electric-Lamp Sockets, Attachment Plugs and Cord Protectors Therefor; Current Taps, Connecters, and Cords and Wire and Cord Terminals; Electric Flush, Attachment-Plug, and Socket Receptacles and Brackets Therefor; Outlet Boxes, Battery and Wire Connecters, Binding Posts, Fuses, Rosettes, Cleats, Insulators, Electric Fans, Electric Motors and Generators, Electric Reciprocating Engines, Leyden Jars, Wet and Dry Batteries, Electric-Battery Cases, Storage Batteries, Battery Zincs and Coppers, Flash Lights, Searchlights, Electric Conduit and Tubing, Electrically-Operated Signal Horns, Magnets, Transformers, Rheostats, and Electric Vacuum Cleaners and Parts Therefor.
Claims use since 1889.

Ser. No. 193,890. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BARTON SALT COMPANY, Hutchinson, Kans. Filed Mar. 17, 1924.



Particular description of goods.—Monthly Magazines.
Claims use since September, 1923.

Ser. No. 193,920. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HAMILTON RUBBER MANUFACTURING COMPANY, Trenton, N. J. Filed Mar. 17, 1924.

Revelation

Particular description of goods.—Belting Made of Rubber and of a Combination of Cotton Rubber Duck with Rubber Impregnation and Rubber Cover and Air Hose Made of Rubber and of a Combination of Cotton Rubber Duck with Rubber Impregnation and Rubber Cover.
Claims use since Sept. 26, 1923.

Ser. No. 193,963. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEORGE P. SCHMITT, doing business as Schmitt Heating Co., Oakland, Calif. Filed Mar. 17, 1924.

SOOTHING HEAT

The word "Heat" appearing on the drawing is hereby disclaimed apart from the mark shown.
Particular description of goods.—Gas Heaters, Gas Radiators, Gas Floor Heaters, and Gas and Coal Furnaces, All for Use with Heating Systems.
Claims use since Jan. 15, 1923.

Ser. No. 194,014. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MIDWEST AIR FILTERS INC., New York, N. Y. Filed Mar. 18, 1924.

SUPER

Particular description of goods.—Air Filters for Use in Ventilation.
Claims use since Dec. 1, 1923.

Ser. No. 194,103. (CLASS 31. FILTERS AND REFRIGERATORS.) GURNEY REFRIGERATOR COMPANY, Fond du Lac, Wis. Filed Mar. 20, 1924.

Northland
GURNEY REFRIGERATOR CO.
FOND DU LAC. WIS.

Gurney Refrigerator Company hereby disclaims "Fond du Lac, Wis." apart from the mark shown.
Particular description of goods.—Refrigerators.
Claims use since 1909.

Ser. No. 194,117. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL RING TRAVELER CO., Providence, R. I. Filed Mar. 20, 1924.

GRAVITY

Particular description of goods.—Ring Spinning and Twisting Travelers.
Claims use since about Dec. 1, 1923.

Ser. No. 194,118. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL RING TRAVELER CO., Providence, R. I. Filed Mar. 20, 1924.



Without waiving any of its common-law rights and purely for purposes of registration applicant expressly disclaims apart from the mark shown in the drawing the following: "Travelers, Made in all N. R. T. Co. Standards. Patented July 10, 1923, Pat. No. 1,461,059" and the representation of the traveler.
Particular description of goods.—Ring Spinning and Twisting Travelers.
Claims use since about Dec. 1, 1923.

Ser. No. 194,403. (CLASS 37. PAPER AND STATIONERY.) THE KOPPER KRAFT SHOPS, INC., Buffalo, N. Y. Filed Mar. 25, 1924.

Kopper Kraft

Particular description of goods.—Stationery Sets Consisting of Stamp Box, Inkwell, Blotter Holder, Pen-Tray, Paper Knife, Letter Holder, and Desk Holder, and Desk Calendar Constructed Wholly or Partially of Metal.
Claims use since Sept. 1, 1923.

Ser. No. 194,532. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) G. H. FISCHER & CO., Glendale, N. Y. Filed Mar. 27, 1924.

SINGLE-TROL

Particular description of goods.—Variometers, Variocouplers, and Tuning Units for Radio Receiving Sets.
Claims use since Mar. 3, 1924.

Ser. No. 194,559. (CLASS 39. CLOTHING.) MANFIELD & SONS, LIMITED, Northampton, England. Filed Mar. 27, 1924.

SHOEMACS

Particular description of goods.—Overshoes.
Claims use since Nov. 2, 1923.

Ser. No. 194,607. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ROLLER FANCIERS CORPORATION, Louisville, Ky. Filed Mar. 29, 1924.

A

Particular description of goods.—Canary-Bird Leg Bands.
Claims use since Jan. 1, 1923.

Ser. No. 194,682. (CLASS 38. PRINTS AND PUBLICATIONS.) UNION LABOR PUBLISHING ASSOCIATION, Los Angeles, Calif. Filed Mar. 29, 1924.

SOUTHERN CALIFORNIA LABOR PRESS
The Paper with the Circulation

No claim is made to the words "The Paper with the Circulation" apart from the mark shown.
Particular description of goods.—Weekly Periodical.
Claims use since Feb. 29, 1924.

Ser. No. 194,708. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. HELLER & BROTHER, INC., New York, N. Y. Filed Mar. 31, 1924.

Junior

Particular description of goods.—Handkerchiefs.
Claims use since Mar. 17, 1923.

Ser. No. 194,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. HELLER & BROTHER, INC., New York, N. Y. Filed Mar. 31, 1924.

Kindergarten

Particular description of goods.—Handkerchiefs.
Claims use since Mar. 17, 1923.

Ser. No. 194,755. (CLASS 39. CLOTHING.) TEMKO-BASS SHOE CO. INC., New York, N. Y. Filed Mar. 31, 1924.

TEBASCO

Particular description of goods.—Shoes of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since May, 1918.

Ser. No. 194,808. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEON MARTINAGE, Paris, France. Filed Apr. 1, 1924.

"SANKA"

Particular description of goods.—Textile Machines, and in Particular Roving, Slubbing, Spinning, and Weaving Machines and Parts Thereof.
Claims use since Feb. 14, 1924.

Ser. No. 194,809. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THEODORE MILLER, New York, N. Y. Filed Apr. 1, 1924.

DRIPCO

Particular description of goods.—Coffeepots.
Claims use since Mar. 1, 1923.

Ser. No. 194,849. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLOVER LEAF PRODUCTS CO., Los Angeles, Calif. Filed Apr. 2, 1924.

CLOVER LEAF

Particular description of goods.—Ginger Ale, Root Beer, and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since September, 1921.

Ser. No. 194,891. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED MANUFACTURING & DISTRIBUTING COMPANY, Chicago, Ill. Filed Apr. 2, 1924.

UNIDYNE

Particular description of goods.—Radio Receiving Sets.
Claims use since Jan. 1, 1924.

Ser. No. 194,913. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Apr. 3, 1924.



No claim is made to the representation of a lead pencil and the words "Made in U. S. A." and "No 50" apart from the mark shown in the drawing.
Particular description of goods.—Lead Pencils.
Claims use since Mar. 19, 1924.

Ser. No. 194,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENT FRUIT GROWERS, INC., New York, N. Y. Filed Apr. 3, 1924.

GOLDEN GROVES

Particular description of goods.—Fresh Vegetables and Fresh Citrous Fruits.
Claims use since Mar. 15, 1924.

Ser. No. 194,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENT FRUIT GROWERS, INC., New York, N. Y. Filed Apr. 3, 1924.

GOLDEN GROVES

Particular description of goods.—Citrous-Fruit Marmalade.
Claims use since Mar. 15, 1924.

Ser. No. 194,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISVILLE GROCERY COMPANY, Louisville, Ky. Filed Apr. 3, 1924.

ZACHARY TAYLOR

Particular description of goods.—Canned Fruits and Vegetables—Namely, Corn, Tomatoes, Beans, Peas, Peaches, Pineapples, Canned Pork and Beans; and Canned Fish—Namely, Salmon.
Claims use since February, 1919.

Ser. No. 194,975. (CLASS 12. CONSTRUCTION MATERIALS.) CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 4, 1924.

SEGURANTIA

Particular description of goods.—Roofing Felts, Roofing Papers, Asphalt Roofings, Composition Roofings, Asphalt Shingles, Slate-Surfaced Shingles, Mineral-Surfaced Shingles, Strip Shingles, Composition Shingles, Gummed Cloth for Roofing, Sheathing Material for Roofs, Insulating Materials, Insulating Papers, Insulating Sheathings, Tarred Felts; Asphalt Felts, Deadening Felts, Sheathing Felts, Sheathing Papers, Building Papers, Pasteboards for Walls, Asphalt Roof Coatings, Tar Roof-Coatings, Molded Stucco, Building Cements, Construction Cements, Keene's Cements, Portland Cements, Roofing Cements, Plastic Cements, Plasters, Wall Plasters, Plaster Paris, Molding Plasters, Plaster Boards, Wall Boards, Gypsum Plasters, Gypsum Blocks, Portland-Cement Building Blocks, Tile Building Blocks.
Claims use since Feb. 2, 1924.

Ser. No. 194,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Apr. 4, 1924.

Creamette

Particular description of goods.—Salt, Baking Powder, and Baking Soda.
Claims use since Mar. 1, 1924.

Ser. No. 195,009. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LOUIS J. LARSEN, New York, N. Y. Filed Apr. 4, 1924.



No rights are asserted to the exclusive use of the words "Sail," "Maker," and "New York City" apart from the trade-mark shown in the drawing.
Particular description of goods.—Yacht Sails, Ice-Boat Sails, Skating Sails, Canoe Sails, and Wire Rigging Ready for Use.
Claims use since November, 1923.

Ser. No. 195,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAGEMEISTER FOOD PRODUCTS CO., Green Bay, Wis. Filed Apr. 7, 1924.



Particular description of goods.—Candy.
Claims use since Nov. 20, 1923.

Ser. No. 195,148. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ACHESON HARDEN CO., New York, N. Y. Filed Apr. 8, 1924.

"The Old Time"



Particular description of goods.—Handkerchiefs.
Claims use since Dec. 29, 1905.

Ser. No. 195,277. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed Apr. 10, 1924.

SILVER KING CREPE.

Trade-mark consists of the words "Silver King Crepe." No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.

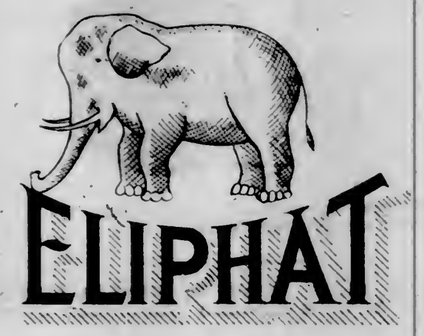
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 3, 1924.

Ser. No. 195,417. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA GLASS SAND COMPANY, Lewistown, Pa. Filed Apr. 11, 1924.

PGS ©

Particular description of goods.—Silica.
Claims use since 1902.

Ser. No. 195,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FROHWEIN PHARMACY INC., New York, N. Y. Filed Apr. 12, 1924.



ELIPHAT

Particular description of goods.—Reducing Tablet.
Claims use since Feb. 15, 1923.

Ser. No. 195,494. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN, HALL MARX CO., New York, N. Y. Filed Apr. 14, 1924.

Retistery
REGISTERED DUPLEX-PRINTED DRAPERY

No claim is made to the exclusive use of the words "Registered Duplex-Printed Drapery" apart from the mark as shown in the drawing.

Particular description of goods.—Printed Terry Cloth in the Piece.
Claims use since Feb. 28, 1924.

Ser. No. 195,583. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLARENCE LININGER, doing business as Lininger Radio Co., East Cleveland, Ohio. Filed Apr. 15, 1924.

LINRAD

Particular description of goods.—Complete Radio Receiving Sets and Parts Thereof.
Claims use since Feb. 11, 1924.

Ser. No. 195,666. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOSEPH W. WEEKS, New York, N. Y. Filed Apr. 16, 1924.

THE FOUR SQUARE SOLITAIRE

No claim is made to the exclusive use of the word "Solitaire" apart from the mark shown in the drawing.

Particular description of goods.—Jewelry, Particularly Rings, Brooches, Pins, and Settings.
Claims use since Mar. 21, 1924.

Ser. No. 195,685. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRIS AND BIRDSEYE INC., New York, N. Y. Filed Apr. 17, 1924.

HARCo

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since October, 1923.

Ser. No. 195,697. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. B. LAVICK CO., Chicago, Ill. Filed Apr. 17, 1924.

HALF-BACK



Particular description of goods.—Gold-Plated Collar Buttons.
Claims use since June, 1923.

Ser. No. 195,698. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. B. LAVICK CO., Chicago, Ill. Filed Apr. 17, 1924.

QUARTER-BACK



Particular description of goods.—Gold-Plated Collar Buttons.
Claims use since June, 1923.

Ser. No. 195,779. (CLASS 2. RECEPTACLES.) SOLAR-STURGES MFG. CO., Chicago, Ill. Filed Apr. 18, 1924.

OMEGA

Particular description of goods.—Milk Cans.
Claims use since 1905.

Ser. No. 195,780. (CLASS 2. RECEPTACLES.) SOLAR-STURGES MFG. CO., Chicago, Ill. Filed Apr. 18, 1924.

COAST SPECIAL

Particular description of goods.—Milk Cans.
Claims use since 1916.

Ser. No. 195,802. (CLASS 20. LINOLEUM AND OILED CLOTH.) CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 19, 1924.

FLOORTEX

Particular description of goods.—Plain Linoleums, Printed Linoleums, Inlaid Linoleums, Battleship Linoleums, Linoleum Covers, Linoleum Tablecloths, Linoleum Floorcloths, Imitation Linoleums, Felt-Base Floor Coverings, Felt-Base Stair and Passage Cloths, and Felt-Base Mats and Rugs; Composition Floor Coverings, Prepared Floor Coverings, Prepared Floor Coverings of the Oilcloth Type, Floor Coverings Resembling Oilcloth, Floor Coverings Resembling Printed Floor Coverings, Cork Carpets, Oiled-Cloths, Stair and Floor Oiled Cloths, Shelf Oilcloths, Table Oilcloths, and Oiled-Cloth Wall Covering.
Claims use since about Sept. 12, 1915.

Ser. No. 195,949. (CLASS 43. THREAD AND YARN.) THE CONTICELLI SILK COMPANY, Florence, Mass. Filed Apr. 22, 1924.



"GATITO"

Particular description of goods.—Threads of Silk, Cotton, and Wool.
Claims use since about Dec. 15, 1920.

Ser. No. 196,087. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y., and Easton, Pa. Filed Apr. 24, 1924.



All wording appearing on the drawing with the exception of the word "Mephisto" and applicant's name being disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Balata and Canvas Beltings.
Claims use since about Feb. 19, 1924.

Ser. No. 196,159. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH DI SANTO, doing business as DI Santo & Company, Duluth, Minn. Filed Apr. 26, 1924.

MAZZINI

The name "Mazzini" refers to "Giuseppe Mazzini," an Italian patriot and statesman, now deceased.
Particular description of goods.—Tomato Paste.
Claims use since Feb. 27, 1923.

Ser. No. 196,236. (CLASS 12. CONSTRUCTION MATERIALS.) CON-FORM SPEC. CO., Detroit, Mich. Filed Apr. 28, 1924.

XACT

Particular description of goods.—Form Spacers Used for Plastic-Material Forms.
Claims use since May 7, 1923.

Ser. No. 196,250. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KORNOFF CHEMICAL CO., Chicago, Ill. Filed Apr. 28, 1924.

KORNOFF

Particular description of goods.—Preparation for the Removal of Corns, Calli, Warts, and the Like.
Claims use since Dec. 1, 1922.

Ser. No. 196,254. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa. Filed Apr. 28, 1924.

Wonder

Particular description of goods.—Banjo and Drumhead Cleaner.
Claims use since Mar. 12, 1924.

Ser. No. 196,312. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) D. H. MCCORKLE MFG. CO., Oakland, Calif. Filed Apr. 29, 1924.

HALL

Particular description of goods.—Floor Furnaces, not Including Electrical Apparatus.
Claims use since Jan. 15, 1924.

Ser. No. 196,410. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SULPHO-NAPTHOL COMPANY, Boston, Mass. Filed May 1, 1924.

Sylpho

Particular description of goods.—Deodorizer, Chemical Preparation for Killing Weeds, Solvent Pipe Cleaner for Traps and Drains, and Vermicide.
Claims use since Oct. 31, 1923.

Ser. No. 196,422. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMERICAN SMELTING & REFINING COMPANY, New York, N. Y. Filed May 2, 1924.

BONCARBO

Particular description of goods.—Natural and Artificial Fuels—Namely, Coal, Coke, Lignite, Peat, and Fuel Briquettes.
Claims use since Dec. 4, 1917.

Ser. No. 196,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD T. BEISER COMPANY, INC., Riverside, Conn. Filed May 3, 1924.

BLACK TULIP

Particular description of goods.—Natural and Synthetic Liquid Flower Oils Suitable for All Perfumery Uses.
Claims use since Apr. 25, 1924.

Ser. No. 196,525. (CLASS 12. CONSTRUCTION MATERIALS.) KIRKPATRICK LUMBER & TIMBER CORP., Birmingham, Ala. Filed May 3, 1924.



Particular description of goods.—Lumber and Wooden Shingles and Wooden Flooring.
Claims use since December, 1919.

Ser. No. 196,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY CASTAGNO, Philadelphia, Pa. Filed May 7, 1924.



Particular description of goods.—External Preparation for Rheumatism, Lumbago, Stiff Joints, and Swellings.
Claims use since Feb. 26, 1924.

Ser. No. 196,804. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOODYEAR TIRE & RUBBER CO., Akron, Ohio. Filed May 9, 1924.

B

Particular description of goods.—Golf Balls.
Claims use since Feb. 29, 1924.

Ser. No. 196,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOUGLAND PACKING CO., Franklin, Ind. Filed May 9, 1924.

Kitchenette

Particular description of goods.—Canned Vegetables.
Claims use since Mar. 3, 1922.

Ser. No. 196,861. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOODYEAR TIRE & RUBBER CO., Akron, Ohio. Filed May 10, 1924.

C

Particular description of goods.—Golf Balls.
Claims use since Feb. 29, 1924.

Ser. No. 196,972. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROJO FABIAN & CO., New York, N. Y. Filed May 13, 1924.

TELATROPIK

Particular description of goods.—Cotton and Woolen Piece Goods.
Claims use since Apr. 15, 1924.

Ser. No. 197,075. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARION M. HARDENBERG, New York, N. Y. Filed May 15, 1924. Under ten-year proviso.



R.T.P.

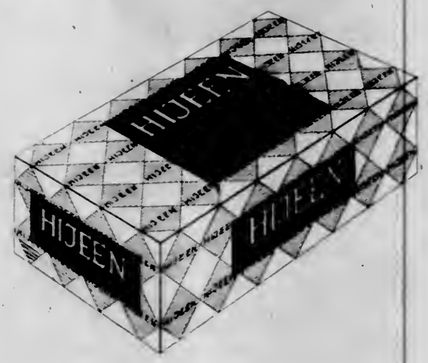
Particular description of goods.—Pills for Use in Derangements of the Stomach and Liver and for Headache, Biliousness, Constipation, Dizziness, Malarial Poisoning, and Impurities of the Blood.
Claims use since July 10, 1889.

Ser. No. 197,089. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

OVERBROOK

Particular description of goods.—Men's and Boys' Breeches.
Claims use since Sept. 15, 1919.

Ser. No. 197,116. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LUCILE SALDINGER, doing business as Hijeen Company, New York, N. Y. Filed May 15, 1924.



The representation of the box is disclaimed apart from its association with the mark as shown. Trade-mark consists of a checkerboard representation having large rectangular fields obliterating some of the checkerboard indication and the word "Hijeen" indicated upon the rectangular portion and some of the checkerboard squares. The lining in the drawing expresses the color blue.
Particular description of goods.—Catamenial Bandages.
Claims use since June 19, 1923.

Ser. No. 197,136. (CLASS 37. PAPER AND STATIONERY.) BRUCE L. COSNER, Enid, Okla. Filed May 16, 1924.



Particular description of goods.—Passenger-Identification Slip.
Claims use since Apr. 16, 1924.

Ser. No. 197,197. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FARISH COMPANY, Greenwich, Conn., and New York, N. Y. Filed May 17, 1924.



Without waiving any common-law rights the applicant does not claim the exclusive use of the word "Sheetings" save and except in connection with the other matter constituting said trade-mark. The mark consists also of the picture of four children and a dog.
Particular description of goods.—Cotton Sheeting, Bleached and Unbleached
Claims use since Jan. 1, 1924.

Ser. No. 197,210. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Filed May 17, 1924.



Particular description of goods.—Physicians' and Surgeons' Tables, Physicians' and Surgeons' Chairs, and Physicians' and Surgeons' Cabinets.
Claims use since June, 1922.

Ser. No. 197,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLNEY & FLOYD, Westernville, N. Y. Filed May 17, 1924.

RED SHIELD

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Aug. 25, 1893.

Ser. No. 197,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAMLIN & ADAMS, Los Angeles, Calif. Filed May 19, 1924.

slick

Particular description of goods.—Creamlike Preparation for Shaving and Skin-Healing Purposes.
Claims use since Sept. 1, 1923.

Ser. No. 197,274. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAMLIN & ADAMS, Los Angeles, Calif. Filed May 19, 1924.



Trade-mark consists of separated blue and green stripes on a white field.
Particular description of goods.—Creamlike Preparation for Shaving and Skin-Healing Purposes.
Claims use since Sept. 1, 1923.

Ser. No. 197,309. (CLASS 11. INKS AND INKING MATERIALS.) WARNER, INC., Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Printing Ink.
Claims use since Feb. 19, 1924.

Ser. No. 197,319. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES G. BLANDFORD, Ossining, N. Y. Filed May 20, 1924.

QUAFF

Trade-Mark "Quaff."
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since May 22, 1924.

Ser. No. 197,320. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES G. BLANDFORD, Ossining, N. Y. Filed May 20, 1924.

BRIAROCK

Trade-Mark "Briarock."
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since May 22, 1924.

Ser. No. 197,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIG FOUR CANNING CO., Stanley, Wis. Filed May 21, 1924.

Crane



Particular description of goods.—Canned Peas.
Claims use since Nov. 2, 1906.

Ser. No. 197,359. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) E. REED BURNS MFG. CORP., Brooklyn, N. Y.; Chicago, Ill.; and Cleveland, Ohio. Filed May 21, 1924.

HIPOLIME

Particular description of goods.—Polishing and Buffing Compound for Use on Metals, Rubber, and Celluloid.
Claims use since Nov. 5, 1923.

Ser. No. 197,398. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SCIENTIFIC APPARATUS CORPORATION, Milton, Pa. Filed May 21, 1924.

ULTRALENS

Particular description of goods.—Microscopes and Fluid Lenses.
Claims use since Aug. 24, 1923.

Ser. No. 197,432. (CLASS 37. PAPER AND STATIONERY.) HAMPTON ROADS PAPER COMPANY, Norfolk, Va. Filed May 22, 1924.

ROYAL  CROWN

Particular description of goods.—Toilet Paper.
Claims use since Apr. 1, 1924.

Ser. No. 197,452. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROME WIRE COMPANY, Rome, N. Y. Filed May 22, 1924.

ROMEX

Particular description of goods.—Insulated Electrical Wire and Cable.
Claims use since Sept. 8, 1923.

Ser. No. 197,469. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONANT, HOUGHTON & CO. INC., New York, N. Y. Filed May 23, 1924.

ELASTEX

Particular description of goods.—Elastic Webbing.
Claims use since Apr. 22, 1924.

Ser. No. 197,484. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed May 23, 1924.

GlovArch

Particular description of goods.—Shoes of Leather for Men, Women, and Children.
Claims use since May 1, 1924.

Ser. No. 197,544. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LAFAYETTE PHARMACAL CO., Lafayette, Ind. Filed May 24, 1924.

ENTEROCAP

Particular description of goods.—Enteric or Salol-Coated Gelatin or Other Capsules Filled or Containing Any Medicine Intended for Administration in the Bowel.
Claims use since Apr. 1, 1924.

Ser. No. 197,566. (CLASS 39. CLOTHING.) THE SPARTAN GLOVE COMPANY, Dayton, Ohio. Filed May 24, 1924.

SPARTAN

Trade-mark consists of the word "Spartan."
Particular description of goods.—Gloves of Canvas, Leather, Rubber, Jersey, and Combinations Thereof, Including Work Gloves and Baseball Gloves.
Claims use since March, 1918.

Ser. No. 197,624. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTER SENNHAUSER, doing business as Middlesex Lace and Embroidery Works, South River, N. J. Filed May 26, 1924.



The word "Brand" is not claimed as part of the mark.
Particular description of goods.—Laces and Embroideries Sold in the Piece.
Claims use since May 1, 1924.

Ser. No. 197,626. (CLASS 37. PAPER AND STATIONERY.) AL. M. SILVERSTEIN & BRO. INC., New York, N. Y. Filed May 26, 1924.

ALMAX

Particular description of goods.—Wrapping Paper, Tissue Paper, Writing Paper, Pencils, and Typewriting Papers, Manifold Order Books, Folders, Gummed Paper and Tape, Tags, Toilet Rolls, Paper Towels, and Envelopes.
Claims use since about June, 1921.

Ser. No. 197,633. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OSCAR H. TWEETEN, doing business as Tweeten Fibre Co. Not Inc., Chicago, Ill. Filed May 26, 1924.

ELK MASTER TIP 

No claim is made to the words "Master Tip" apart from the mark shown.
Particular description of goods.—Billiard-Cue Tips.
Claims use since Aug. 1, 1921.

Ser. No. 197,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID J. ELLIOT, doing business as Daily Orchards Co., Courtland, Calif. Filed May 27, 1924.

Daily

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears.
Claims use since Mar. 21, 1924.

Ser. No. 197,661. (CLASS 39. CLOTHING.) FRANCO CORSET CO., INC., New York, N. Y. Filed May 27, 1924.

"BORDO"

Trade-mark "Bordo."
Particular description of goods.—Corsets and Girdles.
Claims use since May 19, 1924.

Ser. No. 197,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HY-GAS LABORATORIES, INC., New York, N. Y. Filed May 27, 1924.

HY-GAS MOTOR TABLETS

No claim is made to the words "Motor Tablets" apart from the mark shown in the drawing.
Particular description of goods.—Chemical Tablet Used for Increasing the Efficiency of Gasoline.
Claims use since May 15, 1923.

Ser. No. 197,688. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SEATTLE LIGHTING FIXTURE CO., Seattle, Wash. Filed May 27, 1924.

ALUMINAIRE

Particular description of goods.—Lighting Fixtures—viz, Ceiling Fixtures, Pendent Fixtures, Candle Fixtures, Wall Brackets, and Table Lamps and Torcheres.
Claims use since Feb. 14, 1924.

Ser. No. 197,755. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLARENCE W. FULLER, doing business as Top Not Tee Co., Yonkers, N. Y. Filed May 28, 1924.



No claim is made to the exclusive use of the word "Tee" and the representation of the goods apart from the mark shown on the drawing.
Particular description of goods.—Golf Tee—i. e., a Device for Elevating a Golf Ball Above the Level of the Ground.
Claims use since May 13, 1924.

Ser. No. 197,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAMMAS CANDY COMPANY, Birmingham, Ala. Filed May 28, 1924.



No claim is made to the word "Cluster" appearing on the drawing.
Particular description of goods.—Candy.
Claims use since Apr. 10, 1924.

Ser. No. 197,762. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DAVID LEVOW, New York, N. Y. Filed May 28, 1924.

FITRITE

Particular description of goods.—Skylight Gearing.
Claims use since Nov. 1, 1923.

Ser. No. 197,769. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed May 28, 1924.



Particular description of goods.—Soap.
Claims use since Oct. 19, 1922.

Ser. No. 197,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAUSSIER, INC., doing business as Chez Rellew Laboratories, Bethlehem, Pa. Filed May 28, 1924.

COURLE

Particular description of goods.—Perfumes, Compact Face Powders, Rouges, Nail Polishes, Toilet Waters, Face Lotions, Hand Lotions, Cold Creams, Vanishing Creams, Massage Creams, Lip Sticks, Face Packs, and Eyebrow Pencils.
Claims use since May 14, 1924.

Ser. No. 197,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAUSSIER, INC., doing business as Chez Rellew Laboratories, Bethlehem, Pa. Filed May 28, 1924.

CHEZ-RE

Particular description of goods.—Perfumes, Compact Face Powders, Rouges, Nail Polishes, Toilet Waters, Face Lotions, Hand Lotions, Cold Creams, Vanishing Creams, Massage Creams, Lip Sticks, Face Packs, and Eyebrow Pencils.
Claims use since May 14, 1924.

Ser. No. 197,781. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHREIBER, BRANTMAN & WYNER, INC., New York, N. Y. Filed May 28, 1924.

Trico-Lure

Particular description of goods.—Knitted Goods of Silk, Artificial Silk, and Mixtures of the Same and Made in the Piece, Both Flat and Tubular.
Claims use since Apr. 28, 1924.

Ser. No. 197,795. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) H. J. BAGLEY, doing business as Rex Blow Torch Co., Brooklyn, N. Y., and San Francisco, Calif. Filed May 29, 1924.



The words "Blow Torch, Heat, Where Heat Means Heat" not being claimed apart from the other features of the mark. The lining on the drawing represents red.
Particular description of goods.—Blowtorches.
Claims use since Feb. 20, 1924.

Ser. No. 197,807. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GLASNAMEL COMPANY, INC., New York, N. Y. Filed May 29, 1924.

GLASNAMEL

Particular description of goods.—Preparation for the Cleaning of Glassware, Pottery, Earthenware, and Metal.
Claims use since Mar. 15, 1924.

Ser. No. 197,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed May 29, 1924.

SUNSET

Particular description of goods.—Candy.
Claims use since May 21, 1924.

Ser. No. 197,852. (CLASS 12. CONSTRUCTION MATERIALS.) WEATHERBEST STAINED SHINGLE CO. INC., North Tonawanda, N. Y. Filed May 29, 1924.

Weatherbest
STAINED SHINGLES

The words "Stained Shingles" not being claimed apart from the other features of the mark.
Particular description of goods.—Shingles.
Claims use since May 1, 1913.

Ser. No. 197,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOS. M. PLUMERY CO., Oak Park, Ill. Filed May 31, 1924.

BISMAG-OYL

Particular description of goods.—Medicine for Ailments of the Stomach and Bowel System, for Chronic Constipation, and Stomach Disorders, Such as Acidity, Heartburn, Dyspepsia, Gases, Indigestion, Nausea, Vomiting, Car or Sea Sickness, Constipation, and as a Mild Laxative.
Claims use since May 18, 1924.

Ser. No. 197,974. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y. Filed June 2, 1924.

BROADMOOR

Particular description of goods.—Bleached Piece-Dyed and Printed Cotton and Silk and Cotton, Woven Fabrics.
Claims use since Apr. 10, 1924.

Ser. No. 197,980. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANCHOR SAWMILLS COMPANY, Pelham Manor and New York, N. Y. Filed June 3, 1924.



No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Oars and Paddles.
Claims use since Apr. 10, 1924.

Ser. No. 197,981. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE APPROVED PICTURES CORPORATION, New York, N. Y. Filed June 3, 1924.



Particular description of goods.—Motion-Picture Films.
Claims use since May 1, 1924.

Ser. No. 197,982. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE APPROVED PICTURES CORPORATION, New York, N. Y. Filed June 3, 1924.



Particular description of goods.—Motion-Picture Films.
Claims use since May 1, 1924.

Ser. No. 197,990. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN A. CALL, doing business as The John Call Co., Philadelphia, Pa. Filed June 3, 1924.

LIBERTY

Particular description of goods.—Ventilators.
Claims use since Sept. 2, 1922.

Ser. No. 197,991. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN A. CALL, doing business as The John Call Co., Philadelphia, Pa. Filed June 3, 1924.

PUL-AIR

Particular description of goods.—Ventilators.
Claims use since Oct. 31, 1922.

Ser. No. 198,002. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMA GRIFFIN, Atlanta, Ga. Filed June 3, 1924.

REPASSO

Particular description of goods.—Hair Grower.
Claims use since Sept. 15, 1923.

Ser. No. 198,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed June 3, 1924. Under section 5ᵇ, act of 1905, as amended 1920.

Williams

Particular description of goods.—Face Washes.
Claims use since Oct. 27, 1917.

Ser. No. 198,042. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONA K. YODER, doing business as The Grystol Company, Chicago, Ill. Filed June 3, 1924.

GRYSTOL

Particular description of goods.—Preparation for External Application in the Treatment of Coughs, Colds, Grippe, and Influenza.
Claims use since Feb. 18, 1924.

Ser. No. 198,050. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DAVID BERKOW, doing business as Capitol Glass and Mirror Co., Baltimore, Md. Filed June 4, 1924.

CAPITOL

Particular description of goods.—Combined Clamp and Hinged Bracket Used for Attaching Wings to Automobile Windshields.
Claims use since May 26, 1924.

Ser. No. 198,058. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GEORGE DELKER COMPANY, Henderson, Ky. Filed June 4, 1924.

WAG-O-SLED

The word "Sled" is hereby disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Regular Coaster Wagons Adapted to be Changed into Sleds.
Claims use since November, 1923.

Ser. No. 198,059. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GEORGE DELKER COMPANY, Henderson, Ky. Filed June 4, 1924.

WAG-O-COASTER

The word "Coaster" is hereby disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Children's Coaster Wagons.
Claims use since November, 1923.

Ser. No. 198,068. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y. Filed June 4, 1924.

FOXY GRANDPA'S STORIES

Particular description of goods.—Newspaper Section.
Claims use since Apr. 2, 1923.

Ser. No. 198,070. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed June 4, 1924.

SO THIS IS MARRIED LIFE

Particular description of goods.—Newspaper Cartoon.
Claims use since Jan. 24, 1923.

Ser. No. 198,071. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed June 4, 1924.

SAYINGS OF MRS. SOLOMON

Particular description of goods.—Newspaper Section.
Claims use since Dec. 31, 1923.

Ser. No. 198,072. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed June 4, 1924.

MEDITATIONS OF A MARRIED WOMAN

Particular description of goods.—Newspaper Section.
Claims use since Dec. 31, 1923.

Ser. No. 198,086. (CLASS 38. PRINTS AND PUBLICATIONS.) PREMIER SYNDICATE, INC., New York, N. Y. Filed June 4, 1924.

"You Said It, Marceline!"

Particular description of goods.—Newspaper Section.
Claims use since July 23, 1923.

Ser. No. 198,109. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed June 5, 1924.

T!P

Particular description of goods.—Push-Button Switches for Automobiles.
Claims use since about June 1, 1921.

Ser. No. 198,113. (CLASS 38. PRINTS AND PUBLICATIONS.) MABEL E. CHASE, Los Angeles, Calif. Filed June 5, 1924.



Particular description of goods.—Periodical Publication Published Monthly.
Claims use since April, 1923.

Ser. No. 198,121. (CLASS 32. FURNITURE AND UPHOLSTERY.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924.

SUPREME

Particular description of goods.—Camp Furniture Consisting of Folding Canvas Cots, Folding Stools, Both with and without Backs, Folding and Slat Chairs, and Folding Tables.
Claims use since Jan. 1, 1924.

Ser. No. 198,141. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed June 5, 1924.

THE NEWLY WEDS

Particular description of goods.—Newspaper Cartoon.
Claims use since Apr. 19, 1923.

Ser. No. 198,142. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed June 5, 1924.

LISTEN, WORLD!

Particular description of goods.—Newspaper Section.
Claims use since Dec. 17, 1923.

Ser. No. 198,173. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANCIS A. CAVE, Boston, Mass. Filed June 6, 1924.

THE ELECTRONIC SURVEY

Particular description of goods.—Scientific Journal Published Occasionally.
Claims use since on or about May 15, 1924.

Ser. No. 198,181. (CLASS 39. CLOTHING.) GUITERMAN BROS. INC., New York, N. Y. Filed June 6, 1924.

WIN ALL

Trade-mark consists of the word "Winall."
Particular description of goods.—Mufflers.
Claims use since May 29, 1924.

Ser. No. 198,182. (CLASS 39. CLOTHING.) HALEK BROTHERS, Cleveland, Ohio. Filed June 6, 1924.

UNICOAT

Particular description of goods.—Overcoats.
Claims use since July 1, 1922.

Ser. No. 198,201. (CLASS 38. PRINTS AND PUBLICATIONS.) THOMSEN-ELLIS COMPANY, Baltimore, Md. Filed June 6, 1924.

TYPOGRAVURE

Particular description of goods.—Reproductions of Pictures, Photographs, Drawings, and Other Subjects Suitable for Illustrations in Books, Catalogues, and Pamphlets or for Separate Illustrations for Calendars, or Other Purposes in the General Printing Business.
Claims use since Jan. 2, 1924.

Ser. No. 198,204. (CLASS 38. PRINTS AND PUBLICATIONS.) EDNYFED H. WILLIAMS, doing business as The Chicago Shopping News Assn., Chicago, Ill. Filed June 6, 1924.

THE CHICAGO
TABLOID SHOPPING NEWS

Particular description of goods.—Periodicals Published Weekly.
Claims use since May 26, 1924.

Ser. No. 198,211. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

Gloria

Particular description of goods.—Shoe Paste and Mucilages.
Claims use since January, 1909.

Ser. No. 198,212. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

GLUTOL

Particular description of goods.—Wall Size.
Claims use since January, 1894.

Ser. No. 198,213. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y Filed June 7, 1924.

GRAEFFOLIN

Particular description of goods.—Tin Paste.
Claims use since January, 1909.

Ser. No. 198,230. (CLASS 38. PRINTS AND PUBLICATIONS.) FORD, BACON & DAVIS, INC., New York, N. Y. Filed June 7, 1924.

F
B&D

Particular description of goods.—Periodical Publications.
Claims use since Mar. 3, 1924.

Ser. No. 198,265. (CLASS 39. CLOTHING.) M. I. STEWART & CO. INC., New York, N. Y. Filed June 7, 1924.

Four-O-Two

Particular description of goods.—Hosiery.
Claims use since Mar. 20, 1924.

Ser. No. 198,266. (CLASS 39. CLOTHING.) M. I. STEWART & CO. INC., New York, N. Y. Filed June 7, 1924.

Le Bon

Particular description of goods.—Hosiery.
Claims use since Mar. 20, 1924.

Ser. No. 198,269. (CLASS 39. CLOTHING.) SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y. Filed June 7, 1924.

TUG-O-WAR

Particular description of goods.—Suits and Coats.
Claims use since July 12, 1922.

Ser. No. 198,286. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY CANDLER, Dayton, Ohio. Filed June 9, 1924.

AMERICAN-FRENCH
M. CANDLER
BEAUTY TREATMENT

No claim is made to the words "American French Beauty Treatment" apart from the mark shown.
Particular description of goods.—Hairdressing.
Claims use since March 10, 1924.

Ser. No. 198,325. (CLASS 39. CLOTHING.) PHYLLIS SILK MILLS, Chicago, Ill. Filed June 9, 1924.

"Phyllis"

Particular description of goods.—Princess Slips, Petticoats, Chemises, Step-Ins, Negligees, Bloomers, Dressing Gowns, Vests, and Union Suits.
Claims use since Mar. 15, 1923.

Ser. No. 198,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE STEVENS MANUFACTURING COMPANY, Fall River, Mass. Filed June 9, 1924.

Glory Crinkle

Particular description of goods.—Artificial-Silk and Cotton Bedspreads.
Claims use since June 29, 1923.

Ser. No. 198,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAKELITE CORPORATION, New York, N. Y. Filed June 10, 1924.

B

Particular description of goods.—Condensation Products of Phenols and Formaldehyde.
Claims use since on or about Mar. 20, 1924.

Ser. No. 198,357. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed June 10, 1924.

AFFILIATED WITH
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
ORGANIZED NOV. 28,
1891
AMERICAN FEDERATION OF LABOR

Particular description of goods.—Booklets and Periodicals Published Annually.
Claims use since Nov. 28, 1891.

Ser. No. 198,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN MUCKERJEE, doing business as Thymo Borine Laboratory, Milwaukee, Wis. Filed June 10, 1924.

THYMO BORINE

Particular description of goods.—Medicinal Preparation Used as an Astringent, Deodorant, and Antiseptic Lotion.
Claims use since Sept. 6, 1922.

Ser. No. 198,379. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC LEDGER COMPANY, Philadelphia, Pa. Filed June 10, 1924.

Vignettes of Life

Particular description of goods.—Title for Cartoons in Newspaper Publications.
Claims use since June 1, 1924.

Ser. No. 198,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. SCHMIDT & CO., Chicago, Ill. Filed June 10, 1924.

COCOA-FLAKE

Particular description of goods.—Shampoo Powders.
Claims use since May, 1924.

Ser. No. 198,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES BERGSTRESSER, Eureka Springs, Ark. Filed June 11, 1924.

KLEN-DEN

Particular description of goods.—Dentifrices.
Claims use since Mar. 15, 1924.

Ser. No. 198,408. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE J. HECHT, New York, N. Y. Filed June 11, 1924.

CHILDREN

Particular description of goods.—Printed Periodical Published Monthly and at Other Intervals.
Claims use since about May 1, 1924.

Ser. No. 198,416. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed June 11, 1924.

CHEVIHUE

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since May 6, 1924.

Ser. No. 198,417. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed June 11, 1924.

FOULARTWILL

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since May 6, 1924.

Ser. No. 198,419. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PONSELL FLOOR MACHINE COMPANY, New York, N. Y. Filed June 11, 1924.

Ponsell INTERNATIONAL

Particular description of goods.—Electrically-Operated Floor Scrubbing, Polishing, Scraping, and Grinding Machines.
Claims use since May 31, 1924.

Ser. No. 198,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SLADENT INC., New York, N. Y. Filed June 11, 1924.

SLADENT

Particular description of goods.—Tooth Paste, Tooth Powder, and Mouth Wash.
Claims use since Mar. 15, 1924.

Ser. No. 198,454. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Filed June 12, 1924.

FILLEX

Particular description of goods.—Absorbent Pads or Sheets for Infants' Diapers.
Claims use since June 2, 1924.

Ser. No. 198,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & CO. INC., Chicago, Ill. Filed June 12, 1924.



Particular description of goods.—Laxative Cold Tablets, Headache Tablets, Catarrhal Cream, Antiseptic Foot Tablets, White Pine and Tar Cough Sirup, Laxative Fruity Sirup, and Vaporizing Balm.
Claims use since August, 1904, on laxative cold tablets; since June, 1910, on headache tablets; since April, 1914, on catarrhal cream and antiseptic foot tablets; since January, 1921, on white pine and tar cough sirup and laxative fruity sirup; since August, 1922, on vaporizing balm.

Ser. No. 198,458. (CLASS 39. CLOTHING.) HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Filed June 12, 1924.



The heart appearing in the drawing is lined for red.
Particular description of goods.—Muslin and Silk Underwear, Outer Wear, and Ready-to-Wear, Particularly Petticoats, Princess Slips, Step-Ins, Chemise, Bandeaux, Brassières, Corset Covers, Camisoles, Gowns, Bloomers, Drawers, Flannelette Gowns, Kimonos, Ladies' and Children's Dresses and Aprons, Wash and Silk Blouses, Skirts, and Wash Suits.
Claims use since Nov. 27, 1922, on silk blouses and silk underwear; since May 10, 1923, on brassières and bandeaux; and on wash blouses, flannelette gowns, kimonos, ladies' and children's dresses and aprons since Nov. 28, 1922.

Ser. No. 198,487. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TULITE AUTO BULB COMPANY, New York, N. Y. Filed June 12, 1924.



Particular description of goods.—Incandescent Electric Bulbs.
Claims use since Apr. 28, 1924.

Ser. No. 198,506. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORNING GLASS WORKS, Corning, N. Y. Filed June 13, 1924.

PYREX

Particular description of goods.—Nursing Bottles.
Claims use since Oct. 1, 1923.

Ser. No. 198,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed June 13, 1924.

KASHLORA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Jan. 10, 1924.

Ser. No. 198,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JELEX MANUFACTURING CO. INC., New York, N. Y. Filed June 13, 1924.



Particular description of goods.—Prophylactic Antiseptic for Women.
Claims use since Apr. 1, 1924.

Ser. No. 198,554. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed June 14, 1924.

Kari-Kel

Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Bolt.
Claims use since May 10, 1924.

Ser. No. 198,560. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES BRACH, Paris, France. Filed June 14, 1924.

HEURE EXQUISE

Particular description of goods.—Perfumes, Toilet Waters, Toilet Lotions, Pomades, Face and Rice Powders, Face Rouges, Massage Creams, Brilliantine, Cold Creams, Hair Tonics and Hair Dyes, Dentifrices, Pastes and Powders and Liquids for Beautifying and Preserving the Teeth, Skin, and Hair.
Claims use since July, 1911.

Ser. No. 198,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARDINAL CANDY COMPANY, Chicago, Ill. Filed June 14, 1924.

Chickie

Particular description of goods.—Chocolate-Covered Potato Chips.
Claims use since on or about May 29, 1924.

Ser. No. 198,572. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JOHN F. HERBERT & SONS, INC., Kingston, N. Y. Filed June 14, 1924.

Nu-Glo

Particular description of goods.—Paint and Varnish Brushes.
Claims use since June 1, 1921.

Ser. No. 198,577. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MADISON WOOLEN CO., Madison, Me. Filed June 14, 1924.

VELCUBA

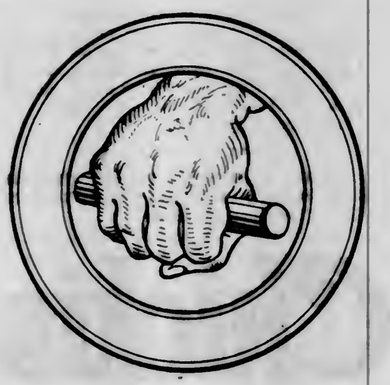
The trade-mark consists of the word "Velcuba."
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 10, 1924.

Ser. No. 198,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL V. STEHLE, New York, N. Y. Filed June 14, 1924.

"AROMETTE"

Particular description of goods.—Perfume, Lemon Face Cream, and Face Powder.
Claims use since May 29, 1924.

Ser. No. 198,598. (CLASS 6. CHEMICALS. MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VICK MEDICINE COMPANY, Albany, Ga. Filed June 14, 1924.



Particular description of goods.—Remedy for La Grippe, Coughs, and Colds.
Claims use since May 1, 1924.

Ser. No. 198,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE BABANI, Paris, France. Filed June 16, 1924.

YASMAK

Particular description of goods.—Perfume Extracts, Toilet Waters, Face Lotions, Eau de Cologne, Rice Powder, Toilet Powder, Dentifrices, and Rouge.
Claims use since February, 1921.

Ser. No. 198,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. W. CUYLER, doing business as The Cuyler Packing Corporation, Modeltown, N. Y. Filed June 16, 1924.

Cuyler's FANCY

QUALITY Cuyler's FOOD PRODUCTS

The words "Fancy, Quality-Food Products" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned Vegetables.
Claims use since Oct. 2, 1923.

Ser. No. 198,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CUYLER PACKING CORPORATION, Modeltown, N. Y. Filed June 16, 1924.

Model-Kitchen

Particular description of goods.—Canned Vegetables and Canned Fruits.
Claims use since July 27, 1923.

Ser. No. 198,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed June 16, 1924.

SMILO

Particular description of goods.—Coffee.
Claims use since 1916.

Ser. No. 198,704. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FRANK H. FROMM, doing business as F. H. Fromm & Co., Philadelphia, Pa. Filed June 17, 1924.

MONOGRAM

Particular description of goods.—Safety Matches.
Claims use since May, 1924.

Ser. No. 198,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed June 17, 1924.

MARIFLOR

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Jan. 15, 1924.

Ser. No. 198,723. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORMAN ROBINOVITZ, doing business as Worcester Labeling Machine Works, Worcester, Mass. Filed June 17, 1924.

Bluebird

Particular description of goods.—Labeling Machines.
Claims use since Mar. 11, 1924.

Ser. No. 198,729. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed June 18, 1924.

Migirl

Particular description of goods.—Chocolate Candy.
Claims use since Mar. 31, 1923.

Ser. No. 198,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FAULTLESS NIGHTWEAR CORPORATION (E. ROSENFELD & CO.), Baltimore, Md. Filed June 18, 1924.

LUSTERETTE

Particular description of goods.—Cotton, Linen, Artificial-Silk, and Silk Piece Goods and Admixtures of the Same.
Claims use since Nov. 14, 1910.

Ser No. 198,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLYNN CANNING COMPANY, Brunswick, Ga. Filed June 18, 1924.

GLYNCO

Particular description of goods.—Canned Shrimp.
Claims use since January, 1924.

Ser. No. 198,756. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LORENZO D. PENDER, doing business as Pender Manufacturing Company, Tarboro, N. C. Filed June 18, 1924.

SO-RITE

Particular description of goods.—Fertilizer Distributors.
Claims use since Apr. 1, 1923.

Ser. No. 198,757. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HUGH B. PITCHER, Brooklyn, N. Y. Filed June 18, 1924.

MORNING GLORY

Particular description of goods.—Shower Baths.
Claims use since Feb. 23, 1924.

Ser. No. 198,771. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed June 18, 1924.

DENTALADE

Particular description of goods.—Toothbrushes.
Claims use since April, 1921.

Ser. No. 198,852. (CLASS 20. LINOLEUM AND OILED CLOTH.) FELTCRAFT COMPANY, INC., Paulsboro, N. J. Filed June 20, 1924.

SANDURA

Particular description of goods.—Waterproof Floor-Covering Materials.
Claims use since May 23, 1924

Ser. No. 198,913. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

JENNY LIND

Particular description of goods.—Beds.
Claims use since Dec. 10, 1920.

Ser. No. 198,915. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

DOLLY MADISON

Particular description of goods.—Beds.
Claims use since Jan. 1, 1921.

Ser. No. 198,920. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

MOLLY STARK

Particular description of goods.—Beds.
Claims use since Oct. 1, 1920.

Ser. No. 198,940. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALFRED FEIST, doing business as Joseph Feist, Solingen, Germany. Filed June 21, 1924.

Ω OMEGA

Particular description of goods.—Table Knives and Forks of Base Metal, Scissors, Industrial Knives, Corkscrews, Cigar Cutters, and Safety Razors.
Claims use since Feb. 12, 1898.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 5, 1924.

187,367. MEDICINAL TONIC AND REGULATOR FOR FUNCTIONAL DISORDERS ACCOMPANIED BY IRREGULAR PULSE, SHORTNESS OF BREATH, DROPSY, AND TOBACCO HEART. JOHN V. KRUG, doing business as Krug Chemical Laboratory, Crawfordsville, Ind.
Filed March 6, 1924. Serial No. 193,340. PUBLISHED MAY 20, 1924.

187,368. PREPARED ROOFING PAPER IN ROLLS AND SHINGLES. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed January 11, 1924. Serial No. 190,674. PUBLISHED MAY 20, 1924.

187,369. CLEANSING SODA COMPOUND. SWIFT AND COMPANY, Chicago, Ill.
Filed January 23, 1924. Serial No. 191,196. PUBLISHED MAY 13, 1924.

187,370. PERIODICAL ISSUED MONTHLY. MORTIMER L. JACKSON, doing business as Nassau Information Bureau, New York, N. Y.
Filed January 25, 1924. Serial No. 191,269. PUBLISHED MAY 27, 1924.

187,371. SPRING SUSPENSIONS FOR MOTOR AND OTHER VEHICLES. TRAYLOR ENGINEERING & MANUFACTURING CO., Allentown, Pa.
Filed January 29, 1924. Serial No. 191,455. PUBLISHED MAY 6, 1924.

187,372. FIREPROOF DOORS. RICHMOND FIREPROOF DOOR COMPANY, Richmond, Ind.
Filed January 30, 1924. Serial No. 191,507. PUBLISHED MAY 13, 1924.

187,373. FIELD, GARDEN, AND FLOWER SEEDS. EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass.
Filed February 4, 1924. Serial No. 191,760. PUBLISHED MAY 20, 1924.

187,374. BEDROOM FURNITURE. FOOTE-REYNOLDS COMPANY, Grand Rapids, Mich.
Filed February 4, 1924. Serial No. 191,765. PUBLISHED JUNE 3, 1924.

187,375. OAK FLOORING. ARKANSAS OAK FLOORING CO., Pine Bluff, Ark.
Filed February 5, 1924. Serial No. 191,807. PUBLISHED MAY 20, 1924.

187,376. REFRIGERATOR TRUCK BODIES AND REFRIGERATOR RAILROAD CARS. DRY-ZERO INSULATION COMPANY, Oakland, Calif.
Filed February 5, 1924. Serial No. 191,815. PUBLISHED MAY 13, 1924.

187,377. LIQUID PREPARATION FOR KILLING WEEDS. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed February 12, 1924. Serial No. 192,199. PUBLISHED APRIL 29, 1924.

187,378. MEDICINES FOR USE IN THE TREATMENT OF INTERNAL DISEASES. WILLIAM ALFRED CLARK, doing business as William A. Clark & Son Medicine Company, Kansas City, Mo.
Filed February 16, 1924. Serial No. 192,365. PUBLISHED APRIL 29, 1924.

187,379. RODENT POISONS. HUDELSON AND DAMRELL, Modesto, Calif.
Filed February 16, 1924. Serial No. 192,387. PUBLISHED MAY 13, 1924.

187,380. PREPARATION FOR PILES AND FISTULA. N. J. REMACKEL, Tulsa, Okla.
Filed February 16, 1924. Serial No. 192,428. PUBLISHED MAY 13, 1924.

187,381. BATTERY ACID COMPOUND. UNITED CHEMICAL CO., Dallas, Tex.
Filed February 16, 1924. Serial No. 192,452. PUBLISHED MAY 13, 1924.

187,382. FINGER-NAIL POLISH. THE ARMAND COMPANY, Des Moines, Iowa.
Filed February 18, 1924. Serial No. 192,470. PUBLISHED MAY 13, 1924.

187,383. VEGETABLE POWDER TO BE USED AS A POULTICE. FRANK F. B. CHAPMAN, Hollis, N. H., assignor to Burlock-Walford Co., Inc., Boston, Mass., a Corporation of Massachusetts.
Filed February 19, 1924. Serial No. 192,518. PUBLISHED APRIL 29, 1924.

187,384. SAPONACEOUS COMPOUNDS USED AS LUBRICANTS AND CLEANERS IN THE PROCESS OF DRAWING WIRE. R. H. MILLER CO., INC., Asbury Park, N. J., and Homer, N. Y.
Filed February 20, 1924. Serial No. 192,575. PUBLISHED MAY 13, 1924.

187,385. LIQUID GERMICIDE. CARSINOL RESEARCH LABORATORIES, INC., St. Joseph, Mo.
Filed February 25, 1924. Serial No. 192,756. PUBLISHED MAY 13, 1924.

187,386. BAKING POWDER. GRENNAN CAKE CORPORATION, Detroit, Mich.
Filed February 25, 1924. Serial No. 192,766. PUBLISHED APRIL 29, 1924.

187,387. PREPARATION FOR THE TREATMENT OF CANCER, TUMORS, WARTS, AND CHRONIC SORES. ANDREW J. POWELL, Albany, Ala.
Filed February 25, 1924. Serial No. 192,790. PUBLISHED APRIL 29, 1924.

187,388. SHAMPOO OIL, HAIR GROWER, FACE POWDER, CLEANSING CREAM, AND BRILLIANTINE. CUETTA WATTS, Washington, D. C.
Filed March 18, 1924. Serial No. 194,036. PUBLISHED JUNE 3, 1924.

187,389. COIL CONTACTS AND SPRINGS FOR AUTOMOBILE IGNITION SYSTEMS. THE NIEHOFF CORPORATION, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,535. PUBLISHED APRIL 29, 1924.

187,390. ELECTRICAL RAILWAY SIGNALS. NACHOD SIGNAL COMPANY, Louisville, Ky.
Filed March 10, 1924. Serial No. 193,531. PUBLISHED APRIL 29, 1924.

187,391. DENTIFRICES, TALCUM POWDER, AND CERTAIN NAMED PREPARATIONS. THE SYDNEY ROSS CO., Newark, N. J.
Filed March 4, 1924. Serial No. 193,252. PUBLISHED MAY 20, 1924.

187,392. COMPLETE RADIO RECEIVING INSTRUMENTS, RADIO AMPLIFYING INSTRUMENTS—NAMELY, VACUUM TUBES, VACCUM-TUBE UNITS, AND TRANSFORMERS, WAVE SELECTORS, LOUD SPEAKERS, TELEPHONE HEAD SETS, AND PARTS THEREOF. RADIO SALES STUDIO INC., Washington, D. C.
Filed March 4, 1924. Serial No. 193,248. PUBLISHED MAY 6, 1924.

187,393. HAIR TONICS. ARCOLA BARTLEY, Canton, Miss.
Filed March 4, 1924. Serial No. 193,208. PUBLISHED MAY 20, 1924.

187,394. CERTAIN NAMED TOILET PREPARATIONS. WEAVER-JACKSON COMPANY, INC., Los Angeles, Calif.
Filed March 3, 1924. Serial No. 193,199. PUBLISHED MAY 20, 1924.

187,395. WIRE CONNECTERS. JIFFY WIRE CONNECTOR CO., Hackensack, N. J.
Filed March 3, 1924. Serial No. 193,177. PUBLISHED APRIL 29, 1924.

187,396. ELECTRIC PORTABLE DRILLS, GRINDERS, AND SCREW DRIVERS. JAS. CLARK, JR. ELECTRIC COMPANY, Louisville, Ky.
Filed March 3, 1924. Serial No. 193,152. PUBLISHED APRIL 29, 1924.

187,397. FACIAL CREAMS. PARISTYLE NOVELTY CO. INC., New York, N. Y.
Filed February 29, 1924. Serial No. 193,065. PUBLISHED MAY 20, 1924.

187,398. GLOSS STARCH AND SALT. THE EAVEY COMPANY, Xenia, Ohio; Fort Wayne, Richmond, and Huntington, Ind.; and Sturgis, Mich.
Filed February 29, 1924. Serial No. 193,033. PUBLISHED MAY 20, 1924.

187,399. RADIOFREQUENCY TRANSFORMERS. DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y.
Filed February 27, 1924. Serial No. 192,903. PUBLISHED APRIL 29, 1924.

187,400. ELECTRICAL MOTORS. WARREN CLOCK COMPANY, Ashland, Mass.
Filed February 25, 1924. Serial No. 192,808. PUBLISHED APRIL 29, 1924.

187,401. OINTMENT FOR ECZEMA, PIMPLES, BLACKHEADS, TETTER, AND SKIN ERUPTIONS. JACK DOYLE, doing business as Greenville Laboratories, Greenville, Pa.
Filed February 25, 1924. Serial No. 192,762. PUBLISHED MAY 20, 1924.

187,402. CERTAIN NAMED CHEMICAL, MEDICINAL, PHARMACEUTICAL, AND TOILET PREPARATIONS. LARKIN CO. INC., Buffalo, N. Y.
Filed January 9, 1924. Serial No. 190,597. PUBLISHED MAY 13, 1924.

187,403. BOILER COMPOUND. JOHN F. JANSSEN, doing business as The Octo Company, Seattle, Wash.
Filed January 2, 1924. Serial No. 190,343. PUBLISHED MAY 13, 1924.

187,404. PRINTED ADVERTISING MATTER SOLD TO THE TRADE AS SUCH—NAMELY, PRINTED CARDS. JEROME I. COOK, St. Louis, Mo.
Filed Dec. 31, 1923. Serial No. 190,284. PUBLISHED MAY 27, 1924.

187,405. GUARDS FOR VEHICLE FENDERS, AND PARTICULARLY WHEEL FENDERS. FENDAGARD CORPORATION, Springfield, Mass.
Filed November 27, 1923. Serial No. 188,958. PUBLISHED MAY 6, 1924.

187,406. CATALOGUES, BOOKS, AND COURSES PUBLISHED FROM TIME TO TIME. PREMEL EL ADAROS, Chicago, Ill.
Filed November 23, 1923. Serial No. 188,732. PUBLISHED MAY 27, 1924.

187,407. MAGAZINE (CUPID'S DIARY). DELL PUBLISHING CO. INC., New York, N. Y.
Filed October 24, 1923. Serial No. 187,407. PUBLISHED MAY 20, 1924.

187,408. WATERPROOFING PREPARATION IN THE NATURE OF A PAINT. LOUIS S. MASSIMO, doing business as Anti-Pluvius Water Proof Co., New York, N. Y.
Filed October 4, 1923. Serial No. 186,561. PUBLISHED APRIL 22, 1924.

187,409. HAIR-STRAIGHTENING PREPARATION, TEMPLE GROWER, TETTER SALVE, AND TAR SHAMPOO. GRACE JOHNSON, Indianapolis, Ind.
Filed September 28, 1923. Serial No. 186,323. PUBLISHED MAY 13, 1924.

187,410. MOTOR-FUEL COMPONENT. GENERAL MOTORS CHEMICAL COMPANY, Moraine City, near Dayton, Ohio.
Filed September 24, 1923. Serial No. 186,125. PUBLISHED MAY 13, 1924.

187,411. PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. PARFUMERIE ROGER & GALLET, Paris, France.
Filed August 20, 1923. Serial No. 185,143. PUBLISHED JANUARY 22, 1924.

187,412. LOGS AND WOODEN PILING. DELTA LUMBER COMPANY, New Orleans, La.
Filed August 3, 1923. Serial No. 184,023. PUBLISHED MAY 13, 1924.

187,413. PHARMACEUTICAL PREPARATIONS FOR CERTAIN DISEASES. AGUSTIN MESTRE CROS, legal representative of José Robert Mestre, a minor, Barcelona, Spain.
Filed March 26, 1923. Serial No. 178,028. PUBLISHED MAY 13, 1924.

187,414. ARTIFICIAL FLOWERS. FELIX M. LOCHER, Fresno, Calif.
Filed April 26, 1923. Serial No. 179,735. PUBLISHED MAY 27, 1924.

187,415. TIPPED LACING CORDS AND TIPS THEREFOR. JAMES P. KELLY, New York, N. Y.
Filed March 26, 1923. Serial No. 178,045. PUBLISHED MAY 27, 1924.

187,416. FRAMES FOR MOTOR VEHICLES, AXLES, AXLE HOUSINGS, WHEELS, RADIATORS, SPRINGS, STEERING MECHANISMS FOR MOTOR VEHICLES, AND THE PARTS OF THE FOREGOING. THE WHITE MOTOR COMPANY, Cleveland, Ohio.
Filed December 29, 1922. Serial No. 175,899. PUBLISHED MAY 13, 1924.

187,417. MATTRESSES. NEVER-STRETCH MATTRESS COMPANY, Philadelphia, Pa.
Filed February 6, 1923. Serial No. 175,617. PUBLISHED JUNE 3, 1924.

187,418. MATTRESSES. NEVER-STRETCH MATTRESS COMPANY, Philadelphia, Pa.
Filed February 6, 1923. Serial No. 175,615. PUBLISHED MAY 27, 1924.

187,419. CHEMICAL COMPOUND FOR USE IN THE TREATMENT OF PROTOZOAN AFFECTIONS. ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France.
Filed December 23, 1922. Serial No. 173,752. PUBLISHED MAY 13, 1924.

187,420. AMMONIA. THE AUSTIN MANUFACTURING CO., Wilkes-Barre, Pa.
Filed November 20, 1922. Serial No. 172,253. PUBLISHED MAY 13, 1924.

187,421. AUTOMOBILE SPRINGS. AMERICAN AUTO-PARTS COMPANY, Detroit, Mich.
Filed September 22, 1922. Serial No. 169,797. PUBLISHED MAY 6, 1924.

187,422. LIQUID AUTOMOBILE BODY CLEANER, LIQUID FURNITURE CLEANER, AND A LIQUID METAL CLEANER. THE ELIMO COMPANY, Chicago, Ill.
Filed April 10, 1924. Serial No. 195,268. PUBLISHED JUNE 3, 1924.

187,423. AUTOMOBILE TOP DRESSING. TRY-ME CO., Akron, Ohio.
Filed April 7, 1924. Serial No. 195,142. PUBLISHED MAY 27, 1924.

187,424. ABRASIVE PADS FOR CLEANING COOKING UTENSILS AND THE LIKE. HEINTZ LABORATORIES, INC., San Francisco, Calif.
Filed April 2, 1924. Serial No. 194,865. PUBLISHED MAY 27, 1924.

187,425. ABRASIVE PADS FOR CLEANING COOKING UTENSILS AND THE LIKE. HEINTZ LABORATORIES, INC., San Francisco, Calif.
Filed April 2, 1924. Serial No. 194,864. PUBLISHED MAY 27, 1924.

187,426. COTTON GRAIN BAGS. BOOTT MILLS, Lowell, Mass.
Filed March 22, 1924. Serial No. 194,251. PUBLISHED MAY 20, 1924.

187,427. COMPOSITION PASTE USED AS A WATERPROOF AUTO TOP PRESERVER AND DRESSING. UTAH FLAX PRODUCTS COMPANY, Salt Lake City, Utah.
Filed March 21, 1924. Serial No. 194,231. PUBLISHED MAY 27, 1924.

187,428. SOAP. LUCKEL KING & CAKE SOAP COMPANY, Portland, Oreg.
Filed March 17, 1924. Serial No. 193,935. PUBLISHED MAY 27, 1924.

187,429. GALVANIZED, ENAMELED, AND JAPAN WARE. THE CINCINNATI GALVANIZING COMPANY, Cincinnati, Ohio.
Filed December 21, 1923. Serial No. 189,966. PUBLISHED MAY 20, 1924.

187,430. LIGHT-WEIGHT HEAT-INSULATING CONCRETE. QUIGLEY FURNACE SPECIALTIES COMPANY, INC., New York, N. Y.
Filed December 15, 1923. Serial No. 189,733. PUBLISHED MAY 6, 1924.

187,431. INDEXED DESK FILES. KRYDER-SHEPARD CO. INC., Kansas City, Mo.
Filed December 5, 1923. Serial No. 189,252. PUBLISHED MAY 20, 1924.

187,432. LIQUID COMPOSITION FOR CLEANING AND PRESERVING BRUSHES WHICH HAVE BEEN USED FOR PAINT, VARNISH, SHELLAC, TAR, AND SIMILAR MATERIALS. THE BRITTON T. AND S. P. DAY COMPANY, doing business as Day-Kingsley Dryer Company, Cleveland, Ohio.
Filed November 22, 1923. Serial No. 188,661. PUBLISHED APRIL 22, 1924.

187,433. FLOOR VARNISH, PAINT ENAMEL, ENAMEL UNDERBODY, AND CEMENT COATING. J. C. LICHT COMPANY, Chicago, Ill.
Filed October 22, 1923. Serial No. 187,321. PUBLISHED MAY 20, 1924.

187,434. SOAP FLAKES, SOAP AND WASHING POWDERS. JAMES H. BERRY, Bakersfield, Calif.
Filed October 8, 1923. Serial No. 186,687. PUBLISHED MAY 20, 1924.

187,435. CLEANSING POWDER. J. I. HOLCOMB MFG. CO., Indianapolis, Ind.
Filed August 20, 1923. Serial No. 184,780. PUBLISHED JUNE 3, 1924.

187,436. READY-MIXED PAINT. MIDWEST VARNISH COMPANY, Chicago, Ill.
Filed August 3, 1923. Serial No. 184,036. PUBLISHED MAY 20, 1924.

187,437. READY-MIXED AND PASTE PAINTS, VARNISHES, UNDERCOATERS, AND PAINT ENAMELS, JAPANS, ZINC STOCK, STAINS, AND LEADS. COLUMBIA VARNISH COMPANY, Los Angeles, Calif.
Filed July 16, 1923. Serial No. 183,252. PUBLISHED APRIL 22, 1924.

187,438. THROAT PASTILS. OWEN E. WOODRUFF, Buffalo, N. Y.
Filed February 19, 1924. Serial No. 192,553. PUBLISHED MAY 20, 1924.

187,439. REPELLENT FOR MOSQUITOES, BEDBUGS, AND ROACHES. CASEY FOSTER, doing business as Roanoke Medicine Company, Weldon, N. C.
Filed February 19, 1924. Serial No. 192,524. PUBLISHED MAY 20, 1924.

187,440. STORAGE BATTERIES. WEINSTOCK-NICHOLS COMPANY, San Francisco, Calif.
Filed February 16, 1924. Serial No. 192,460. PUBLISHED APRIL 22, 1924.

187,441. RADIO LOUD SPEAKERS. RACON ELECTRICAL CO., INC., New York, N. Y.
Filed February 16, 1924. Serial No. 192,420. PUBLISHED MAY 6, 1924.

187,442. TOILET PREPARATIONS. PARISIAN BEAUTY COMPANY, Pittsburgh, Pa.
Filed February 16, 1924. Serial No. 192,376. PUBLISHED MAY 20, 1924.

187,443. PASTELIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES. THE BARBASOL COMPANY, Indianapolis, Ind.
Filed February 16, 1924. Serial No. 192,355. PUBLISHED MAY 20, 1924.

187,444. RESISTANCE UNITS AND BOXES AND FRAMES CONTAINING RESISTANCE UNITS. THE STATES COMPANY, Hartford, Conn.
Filed February 11, 1924. Serial No. 192,156. PUBLISHED MAY 6, 1924.

187,445. CERTAIN TOILET PREPARATIONS. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y.
Filed February 8, 1924. Serial No. 192,035. PUBLISHED MAY 20, 1924.

187,446. ELECTRICAL INSULATION MATERIALS. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J.
Filed February 6, 1924. Serial No. 191,884. PUBLISHED MAY 6, 1924.

187,447. RADIO RECEIVING SETS. B & C RADIO COMPANY, INC., Boston, Mass.
Filed January 29, 1924. Serial No. 191,423. PUBLISHED MAY 6, 1924.

187,448. DRY-CELL BATTERIES AND FLASH-LIGHT-BATTERY CASES. VESUVIUS BATTERY COMPANY, Los Angeles, Calif.
Filed January 23, 1924. Serial No. 191,207. PUBLISHED MAY 6, 1924.

187,449. DRY-CELL BATTERIES AND FLASH-LIGHT-BATTERY CASES. VESUVIUS BATTERY COMPANY, Los Angeles, Calif.
Filed January 23, 1924. Serial No. 191,206. PUBLISHED MAY 6, 1924.

187,450. ELECTRICAL APPARATUS, AS FOLLOWS: RADIO CONDENSERS, AMPLIFIERS, RHEOSTATS, DETECTORS, CONTACTS, COILS, TRANSMITTERS, MICROPHONES, WIRES, COUPLERS, INSULATORS, TRANSFORMERS, INDUCTORS, VARIOMETERS, VACUUM TUBES, ELECTRON TUBES, WIRE ANTENNA, COUNTERPOISES, TERMINALS, GRID LEAKS, FILTERS, LOUD SPEAKERS, RECTIFIERS, TICKLER COILS, COMPLETE WIRELESS SETS OR OUTFITS, AND SOCKETS. CROWN RADIO MFG. CORP., New York, N. Y.
Filed January 3, 1924. Serial No. 190,373. PUBLISHED MAY 6, 1924.

187,451. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. KEMP & LANE, INC., Le Roy, N. Y.
Filed September 5, 1922. Serial No. 169,061. PUBLISHED MAY 20, 1924.

187,452. REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed October 6, 1922. Serial No. 170,396. PUBLISHED JUNE 3, 1924.

187,453. SALT. THE OHIO SALT COMPANY, Wadsworth, Ohio.
Filed November 11, 1922. Serial No. 171,863. PUBLISHED FEBRUARY 20, 1923.

187,454. REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed November 17, 1922. Serial No. 172,167. PUBLISHED JUNE 3, 1924.

187,455. REMEDY FOR SYPHILIS, SLEEPING SICKNESS, TRYPANOSOMIASIS, AND OTHER TROPICAL INFECTIOUS DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed November 17, 1922. Serial No. 172,168. PUBLISHED JUNE 3, 1924.

187,456. HAIR GROWER OR TONIC. MAURICE ABRAHAM, doing business as Sam Willer Human Hair Goods Co., Shreveport, La.
Filed February 3, 1923. Serial No. 175,452. PUBLISHED MAY 20, 1924.

187,457. ELECTRIC INCANDESCENT LAMPS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed February 6, 1923. Serial No. 175,603. PUBLISHED MAY 6, 1924.

187,458. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, SACHET POWDERS, ROUGE, AND BRILLIANTINE. SOCIETE ANONYME PARFUMERIE VIOLET, Paris, France, assignor to Veolay Perfumery Corporation, a Corporation of Delaware.
Filed March 27, 1923. Serial No. 178,143. PUBLISHED MAY 20, 1924.

187,459. ELECTRICAL CONDUITS AND FITTINGS, INSULATING BRACKETS, TUBING, RUBBER-COVERED WIRE, AND CABLES. NATIONAL METAL MOLDING COMPANY, Pittsburgh, Pa.
Filed April 27, 1923. Serial No. 179,816. PUBLISHED MAY 6, 1924.

187,460. REMEDY FOR TREATING SKIN DISEASES AND SKIN INFECTIONS. JOHNSON & MCGRATH LABORATORY, Jefferson, Iowa.
Filed May 4, 1923. Serial No. 180,010. PUBLISHED DECEMBER 18, 1923.

187,461. BATTERIES. RALPH GELARDIN, doing business as Advance Battery Co., New York, N. Y.
Filed May 28, 1923. Serial No. 181,273. PUBLISHED APRIL 15, 1924.

187,462. SALVE FOR THE TREATMENT OF CHAFING AND ALL DRYNESS OF THE SKIN. THE MORVAY SPECIALTY CO. INC., Newark, N. J.
Filed July 18, 1923. Serial No. 183,394. PUBLISHED MAY 20, 1924.

187,463. CERTAIN NAMED RADIO APPARATUS. RADELAND MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed August 9, 1923. Serial No. 184,263. PUBLISHED MAY 6, 1924.

187,464. SKIN AND COMPLEXION CREAM. GARRETT E. BACORN, doing business as The Moore Skin-Glo Co., Elmira, N. Y.
Filed August 21, 1923. Serial No. 184,782. PUBLISHED MAY 20, 1924.

187,465. ELECTRIC HEAT DEVICES. RUSSELL ELECTRIC COMPANY, Chicago, Ill.
Filed August 30, 1923. Serial No. 185,191. PUBLISHED MAY 6, 1924.

187,466. ALCOHOL PREPARATION FOR EXTERNAL USE AND APPLICATION. CRAGIN PRODUCTS CO., Chicago, Ill.
Filed September 24, 1923. Serial No. 186,108. PUBLISHED MAY 20, 1924.

187,467. OXIDIZED EDIBLE OILS AND FATS, OXIDIZED COCOA BUTTER, ALL USED AS MEDICINES. JAMES TODD, Pittsburgh, Pa.
Filed November 1, 1923. Serial No. 187,903. PUBLISHED MAY 20, 1924.

187,468. ELECTRIC STOVES AND RADIATORS. HERBERT HENRY BERRY, London, England.
Filed October 23, 1923. Serial No. 187,374. PUBLISHED MAY 6, 1924.

187,469. FACE PACK. EUGENE H. GINGRAS, Hull, Quebec, Canada, assignor to Alphonse Couture & Company, Hull, Quebec, Canada, a Firm composed of Josaphat Couture and Achille Couture.
Filed December 8, 1923. Serial No. 189,400. PUBLISHED MAY 20, 1924.

187,470. VEHICLE LAMPS. PROTECTOLITE CO. INC., New York, N. Y.
Filed December 20, 1923. Serial No. 189,949. PUBLISHED MAY 6, 1924.

187,471. COAL. HARRISBURG COLLIERY COMPANY, Chicago, Ill.
Filed March 11, 1924. Serial No. 193,590. PUBLISHED MAY 6, 1924.

187,472. LEATHER. ALBERT O. TROSTEL, Milwaukee, Wis.
Filed February 29, 1924. Serial No. 193,084. PUBLISHED MAY 6, 1924.

187,473. COAL. THE MYERS COAL & COKE CO., Cleveland, Ohio.
Filed February 29, 1924. Serial No. 193,059. PUBLISHED MAY 6, 1924.

187,474. POLISHING AND BUFFING CLOTHS. BOOTH-WATERBURY MANUFACTURING COMPANY, Long Island City, N. Y.
Filed February 29, 1924. Serial No. 193,024. PUBLISHED MAY 27, 1924.

187,475. COAL. PEABODY COAL COMPANY, Chicago, Ill.
Filed February 28, 1924. Serial No. 192,999. PUBLISHED MAY 6, 1924.

187,476. SHAVING CREAM — NAMELY, SOAP CREAM—SHAMPOO SOAP, SOAP, AND TOILET SOAP. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co., and also doing business as Overton-Hygienic Co. and The Overton-Hygenic Co., Chicago, Ill.
Filed February 26, 1924. Serial No. 192,854. PUBLISHED MAY 27, 1924.

187,477. LEATHERS. GEORGE STENGEL, INC., Newark, N. J.
Filed February 25, 1924. Serial No. 192,799. PUBLISHED MAY 13, 1924.

187,478. UNFINISHED LUMBER, VENEER, SHINGLES, AND LATHS. HOFFMAN LUMBER COMPANY, Fort Wayne, Ind.
Filed February 21, 1924. Serial No. 192,616. PUBLISHED MAY 6, 1924.

187,479. HAND BAGS. MORRIS WHITE, New York, N. Y.
Filed February 16, 1924. Serial No. 192,461. PUBLISHED MAY 20, 1924.

187,480. MAILING ENVELOPES. HECO ENVELOPE COMPANY, Chicago, Ill.
Filed February 16, 1924. Serial No. 192,383. PUBLISHED MAY 20, 1924.

187,481. PAINTS OF ALL DESCRIPTIONS. THE O. J. GUDE CO., N. Y., New York, N. Y.
Filed February 14, 1924. Serial No. 192,251. PUBLISHED MAY 20, 1924.

187,482. COAL, CHARCOAL, COKE, CORDWOOD, AND SLAB WOOD. GEORGE MALONEY, Niagara Falls, N. Y.
Filed February 11, 1924. Serial No. 192,136. PUBLISHED MAY 6, 1924.

187,483. DANCE-FLOOR WAX. CECIL MOORE, Lewistown, Mont.
Filed February 9, 1924. Serial No. 192,083. PUBLISHED MAY 13, 1924.

187,484. VANITY CASES MADE OF SILK AND RUBBER. GEORGE S. ABELSON, doing business as Carmen Novelty Company, Chicago, Ill.
Filed January 30, 1924. Serial No. 191,460. PUBLISHED MAY 20, 1924.

187,485. SOLE LEATHER. THE E. G. SHAWAKER CO., Toledo, Ohio.
Filed February 4, 1924. Serial No. 191,791. PUBLISHED MAY 6, 1924.

187,486. FLAT WHITE PAINT. PARAMOUNT PAINT & VARNISH CO., Philadelphia, Pa.
Filed February 6, 1924. Serial No. 191,907. PUBLISHED MAY 20, 1924.

187,487. HARDWOOD FLOORING. PEARSON HARDWOOD FLOORING CO., Oneida, Tenn.
Filed February 1, 1924. Serial No. 191,733. PUBLISHED MAY 6, 1924.

187,488. FIELD AND GARDEN SEEDS AND PEAS AND BEANS FOR SEED PURPOSES. N. V. VAN WAVEREN'S GRAANHANDEL, Haarlem, Netherlands.
Filed January 31, 1924. Serial No. 191,583. PUBLISHED MAY 6, 1924.

187,489. SOAP. PARK & TILFORD, New York, N. Y.
Filed January 31, 1924. Serial No. 191,567. PUBLISHED MAY 27, 1924.

187,490. ASPHALT COMPOSITION FOR USE IN WATERPROOFING AND DAMPPROOFING FOR CONCRETE AND OTHER CONSTRUCTION. GARDINER AND LEWIS, INC., New York, N. Y.
Filed January 26, 1924. Serial No. 191,311. PUBLISHED MAY 6, 1924.

187,491. MAGAZINE PUBLISHED QUARTERLY. STEVENSON, PERRY, STACY & CO., Chicago, Ill.
Filed March 3, 1924. Serial No. 193,191. PUBLISHED MAY 27, 1924.

187,492. CERTAIN TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed March 5, 1924. Serial No. 193,286. PUBLISHED APRIL 29, 1924.

187,493. LAXATIVES. HAYDUN COMPANY, Chicago, Ill.
Filed March 5, 1924. Serial No. 193,283. PUBLISHED APRIL 29, 1924.

187,494. TALCUM POWDER. THE SYDNEY ROSS CO., Newark, N. J.
Filed March 4, 1924. Serial No. 193,250. PUBLISHED APRIL 29, 1924.

187,495. HAIR GOODS—NAMELY, TRANSFORMATIONS; WIGS, LONG AND BOBBED; SWITCHES, PUFFS, BANGS, CURLS, PIN CURLS, CORONET BRAIDS, EAR DIPS, TOUPEES. WEAVER-JACKSON COMPANY, INC., Los Angeles, Calif.
Filed March 3, 1924. Serial No. 193,200. PUBLISHED MAY 27, 1924.

187,496. CATHARTIC PREPARATIONS. DAVID FELDMAN, doing business as Da-Fel Pharmaceutical Co., Allston, Mass.
Filed March 3, 1924. Serial No. 193,163. PUBLISHED APRIL 29, 1924.

187,497. MOTOR TRUCKS. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed March 1, 1924. Serial No. 193,113. PUBLISHED MAY 6, 1924.

187,498. CERTAIN NAMED WOODEN FURNITURE. BERKEY & GAY FURNITURE COMPANY, Grand Rapids, Mich.
Filed March 1, 1924. Serial No. 193,090. PUBLISHED MAY 27, 1924.

187,499. PREPARATION FOR STOMACH AND INTESTINAL CONDITIONS. DAVID WRÓBLEWSKI, New York, N. Y.
Filed February 29, 1924. Serial No. 193,086. PUBLISHED MAY 13, 1924.

187,500. MOUTH WASH AND GARGLE. JOHNSON CHEMICAL COMPANY, Lowell, Mass.
Filed February 29, 1924. Serial No. 193,045. PUBLISHED APRIL 29, 1924.

187,501. SOLID SMOKELESS FUEL. HEETOL COMPANY, INC., Brooklyn, N. Y.
Filed February 29, 1924. Serial No. 193,042. PUBLISHED MAY 13, 1924.

187,502. DYESTUFFS FOR DYEING AND PRINTING. DURAND & HUGUENIN A. G., Basel, Switzerland.
Filed February 29, 1924. Serial No. 193,032. PUBLISHED APRIL 29, 1924.

187,503. DYESTUFFS FOR DYEING AND PRINTING. DURAND & HUGUENIN A. G., Basel, Switzerland.
Filed February 29, 1924. Serial No. 193,031. PUBLISHED APRIL 29, 1924.

187,504. DYESTUFFS FOR DYEING AND PRINTING. DURAND & HUGUENIN A. G., Basel, Switzerland.
Filed February 29, 1924. Serial No. 193,030. PUBLISHED APRIL 29, 1924.

187,505. COAL. WEST KENTUCKY COAL COMPANY, Newark, N. J.; Sturgis and Paducah, Ky.; Memphis, Tenn.; Donaldsonville, La.; and Evansville, Ind.
Filed February 28, 1924. Serial No. 193,012. PUBLISHED MAY 20, 1924.

187,506. MONTHLY PUBLICATION. THE HOMESTEAD COMPANY, Des Moines, Iowa.
Filed February 28, 1924. Serial No. 192,976. PUBLISHED MAY 27, 1924.

187,507. TITLE FOR PUBLICATIONS SECTIONS. WOMEN'S WEAR COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,947. PUBLISHED MAY 27, 1924.

187,508. FURNITURE—NAMELY, HOUSEHOLD TABLES, HOUSEHOLD CHAIRS, BEDSTEADS, COUCHES, LOUNGES, CHIFFONIERS, TABARETS, STANDS, DAVENPORTS, CHESTERFIELDS, TEA WAGONS, BOOKCASES, FERNERIES, FOOTSTOOLS, AND CLOTHES TREES. SOUTHERN CALIFORNIA FURNITURE MANUFACTURING CO., Los Angeles and San Francisco, Calif.
Filed February 27, 1924. Serial No. 192,933. PUBLISHED JUNE 3, 1924.

187,509. TOILET COMBS AND BUTTON HOOKS MADE OF CELLULOID OR SIMILAR MATERIAL. J. C. DOWD & CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,901. PUBLISHED MAY 27, 1924.

187,510. PHOTOGRAPHS. MINNIE A. DARR, doing business as Mrs. F. B. Darr, Pittsburgh, Pa.
Filed February 26, 1924. Serial No. 192,818. PUBLISHED MAY 20, 1924.

187,511. CHEMICAL PREPARATION FOR THE PREVENTION AND REMOVAL OF CARBON DEPOSITS IN INTERNAL-COMBUSTION ENGINES. BOYCE & VEEDER COMPANY, INC., Long Island City, N. Y.
Filed March 19, 1924. Serial No. 194,044. PUBLISHED MAY 6, 1924.

187,512. CHEMICAL PREPARATION FOR REMOVING HAIR. SARAH L. MAPU, doing business as Mme. Mapu, New York, N. Y.
Filed March 18, 1924. Serial No. 194,012. PUBLISHED MAY 6, 1924.

187,513. VENEERED, LAMINATED, OR BUILT-UP DOORS. THE WHEELER, OSGOOD COMPANY, Tacoma, Wash.
Filed March 17, 1924. Serial No. 193,975. PUBLISHED MAY 13, 1924.

187,514. NOSE CREAM. THE VAUV COMPANY, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,973. PUBLISHED MAY 6, 1924.

187,515. POULTRY TONIC AND WORM EXPELLER. JAMES E. KEYES, doing business as Chicken Pharmacy, Petaluma, Calif.
Filed March 17, 1924. Serial No. 193,928. PUBLISHED APRIL 29, 1924.

187,516. HAIR GROWER, PRESSING OIL, FACE CREAM, SHAMPOO, HAIR TONIC, AND TEMPLE OIL. GERTRUDE BROOKS, Indianapolis, Ind.
Filed March 17, 1924. Serial No. 193,894. PUBLISHED MAY 6, 1924.

187,517. NEWSPAPERS. PULITZER PUBLISHING COMPANY, St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,857. PUBLISHED JUNE 3, 1924.

187,518. SCHOOL DESKS. PROGRESSIVE SEATING CO., INC., Rochester, N. Y.
Filed March 15, 1924. Serial No. 193,856. PUBLISHED MAY 20, 1924.

187,519. WALL BOARD. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed March 15, 1924. Serial No. 193,849. PUBLISHED MAY 13, 1924.

187,520. MONTHLY PUBLICATION. THE HUGH STEPHENS PRINTING & STATIONERY CO., Jefferson City, Mo.
Filed March 11, 1924. Serial No. 193,633. PUBLISHED MAY 20, 1924.

187,521. AUTOMOBILE LAMP CARRIERS. JOHN T. FAGAN, Cleveland Heights, Ohio.
Filed March 10, 1924. Serial No. 193,512. PUBLISHED MAY 6, 1924.

187,522. WOVEN SILK IN THE PIECE. J. R. SIMON & CO., INC., New York, N. Y.
Filed March 8, 1924. Serial No. 193,477. PUBLISHED MAY 6, 1924.

187,523. MEDICINAL LOTION FOR BURNS AND SCALDS. FREDERICK W. DELAP, Terryville, Conn.
Filed March 8, 1924. Serial No. 193,449. PUBLISHED MAY 6, 1924.

187,524. INSECTICIDES, ROACH POWDERS, FLY KILLERS, AND INSECT POISONS. JACOB D. BROZA, Philadelphia, Pa.
Filed March 8, 1924. Serial No. 193,443. PUBLISHED APRIL 29, 1924.

187,525. SOLVENT. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed March 7, 1924. Serial No. 193,424. PUBLISHED MAY 6, 1924.

187,526. HAIR TONICS. JACK DOYLE, doing business as Bald-Rid Company, Greenville, Pa.
Filed March 7, 1924. Serial No. 193,387. PUBLISHED APRIL 29, 1924.

187,527. ROUGE. A. BOURJOIS & CO. INC., New York, N. Y.
Filed March 7, 1924. Serial No. 193,383. PUBLISHED MAY 6, 1924.

187,528. TEMPERING COMPOSITION. MARTIN F. DELANEY, doing business as Surtemper Company, West Springfield, Mass.
Filed March 6, 1924. Serial No. 193,325. PUBLISHED MAY 6, 1924.

187,529. SALVE FOR BURNS. ANTONIO VENETTI MANSIS, Gillespie, Ill.
Filed March 5, 1924. Serial No. 193,298. PUBLISHED APRIL 29, 1924.

187,530. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed March 5, 1924. Serial No. 193,293. PUBLISHED JUNE 3, 1924.

187,531. CLAY, EITHER CRUDE OR BURNT, USED FOR REFRACTORY PURPOSES. WILLIAM PRIEM, Magdeburg, Germany.
Filed July 9, 1920. Serial No. 134,755. PUBLISHED MAY 13, 1924.

187,532. CLEANING, DRESSING, AND POLISHING PASTES, LIQUIDS, AND POWDERS FOR LEATHER AND CLOTH GOODS FOR SHOES, GLOVES, BELTS, AND THE LIKE. A. V. SHOTWELL & CO., Los Angeles, Calif.
Filed January 16, 1922. Serial No. 158,017. PUBLISHED MAY 27, 1924.

187,533. LIQUID-WAX DRESSING. NATIONAL OIL & SUPPLY CO., Newark, N. J.
Filed March 25, 1922. Serial No. 161,271. PUBLISHED FEBRUARY 27, 1923.

187,534. ROOFING AND INSULATING MATERIALS AND PAVING MIXTURES. THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa., now by change of name The Barber Asphalt Company, a Corporation of West Virginia.
Filed July 12, 1922. Serial No. 166,762. PUBLISHED MAY 6, 1924.

187,535. NURSERY STOCK IN THE NATURE OF FRUIT TREES, SHADE TREES, EVERGREENS, AND SMALL-FRUIT PLANTS. KEYSTONE STATE NURSERIES, Beaver Falls, Pa.
Filed October 14, 1922. Serial No. 170,718. PUBLISHED APRIL 8, 1924.

187,536. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. ANSON R. THOMPSON COMPANY, INC., Troy, N. Y.
Filed October 17, 1922. Serial No. 170,840. PUBLISHED MAY 13, 1924.

187,537. CERTAIN NAMED CONSTRUCTION MATERIALS. F. O. SCHOEDINGER, Columbus, Ohio.
Filed November 17, 1922. Serial No. 172,181. PUBLISHED MAY 6, 1924.

187,538. LACQUERS, LACQUER THINNERS, AND LACQUER ENAMELS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed April 16, 1923. Serial No. 179,187. PUBLISHED OCTOBER 23, 1923.

187,539. LIQUID COMPOSITION TO BE MIXED WITH PAINT AND WHICH SERVES TO INCREASE THE VOLUME OF THE LATTER. PAINTOL CHEMICAL CO., LIMITED, Quebec, Quebec, Canada.
Filed April 18, 1923. Serial No. 179,320. PUBLISHED MAY 20, 1924.

187,540. COAL. THE HOLMES COAL SALES COMPANY, Cincinnati, Ohio.
Filed April 19, 1923. Serial No. 179,370. PUBLISHED MAY 13, 1924.

187,541. POLISH FOR FURNITURE, AUTOMOBILES, AND PAINTED AND VARNISHED SURFACES. WM. ALFORD LOVE, Birmingham, Ala.
Filed April 30, 1923. Serial No. 179,944. PUBLISHED MAY 20, 1924.

187,542. PAINT AND VARNISH REMOVER. THE PAINT PRODUCTS CO., Elmira, N. Y.
Filed April 30, 1923. Serial No. 179,952. PUBLISHED AUGUST 28, 1923.

187,543. TOILET SOAPS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,098. PUBLISHED MAY 20, 1924.

187,544. TOILET SOAPS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,108. PUBLISHED MAY 20, 1924.

187,545. TOILET SOAPS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,109. PUBLISHED MAY 20, 1924.

187,546. TURPENTINE SUBSTITUTES. SUN OIL COMPANY, Philadelphia, Pa.
Filed July 2, 1923. Serial No. 182,727. PUBLISHED APRIL 29, 1924.

187,547. EXTERIOR AND INTERIOR READY-MIXED PAINT. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed December 26, 1923. Serial No. 190,118. PUBLISHED MAY 13, 1924.

187,548. VARNISHES AND PREPARED SHELLAC. CHARLES DRABEK, doing business as Painters Supply Co., Cleveland, Ohio.
Filed December 29, 1923. Serial No. 190,237. PUBLISHED MAY 13, 1924.

187,549. COPPER PAINT FOR THE BOTTOM OF WOODEN VESSELS. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y.
Filed January 22, 1924. Serial No. 191,137. PUBLISHED MAY 20, 1924.

187,550. READY-MIXED PAINTS AND VARNISHES. REMIEN & KUHNERT CO., Chicago, Ill.
Filed January 22, 1924. Serial No. 191,138. PUBLISHED APRIL 22, 1924.

187,551. FIRE BRICK. THE KIER FIRE BRICK CO., Pittsburgh, Pa.
Filed March 19, 1924. Serial No. 194,073. PUBLISHED MAY 20, 1924.

187,552. PERFUMES, TOILET CREAMS, TOILET LOTIONS, AND TOILET POWDERS. JEAN BAPTISTE TALABOT, doing business as J. B. Talabot, San Diego, Calif.
Filed March 19, 1924. Serial No. 194,082. PUBLISHED MAY 6, 1924.

187,553. DYESTUFFS, CERTIFIED FOOD COLORS, AND INTERMEDIATES. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y.
Filed March 20, 1924. Serial No. 194,116. PUBLISHED MAY 6, 1924.

187,554. HAIR WAVERS AND CURLERS. THOMAS H. ROSS, Brooklyn, N. Y.
Filed March 20, 1924. Serial No. 194,126. PUBLISHED MAY 27, 1924.

187,555. PREPARATION FOR CERTAIN NAMED PURPOSES. SOUTHERN LABORATORIES, INC., West Point, Va.
Filed March 20, 1924. Serial No. 194,135. PUBLISHED MAY 6, 1924.

187,556. BLUING. DUNN-LOCKE MANUFACTURING CO., Fort Worth, Tex.
Filed March 21, 1924. Serial No. 194,167. PUBLISHED MAY 13, 1924.

187,557. EXPANSION JOINT. STANDARD ASPHALT & REFINING COMPANY, Jersey City, N. J., and Chicago, Ill.
Filed March 21, 1924. Serial No. 194,221. PUBLISHED MAY 20, 1924.

187,558. ART CREATIONS OF FEATHERS. SEALTIEL L. ALATRISTE, New York, N. Y.
Filed March 22, 1924. Serial No. 194,238. PUBLISHED JUNE 3, 1924.

187,559. TITLE OF A TRADE PAPER PUBLISHED WEEKLY. DRUG & CHEMICAL MARKETS, INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,342. PUBLISHED JUNE 3, 1924.

187,560. PLASTIC WALL COVERING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed March 24, 1924. Serial No. 194,380. PUBLISHED MAY 20, 1924.

187,561. HARD-RUBBER COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed March 27, 1924. Serial No. 194,507. PUBLISHED JUNE 3, 1924.

187,562. HAIR WAVERS. PACIFIC NOVELTY COMPANY, New York, N. Y.
Filed March 27, 1924. Serial No. 194,567. PUBLISHED JUNE 3, 1924.

187,563. COUNTER DISPLAY STAND. THE INTERSTATE CO., Cleveland, Ohio.
Filed March 29, 1924. Serial No. 194,644. PUBLISHED JUNE 3, 1924.

187,564. LAWN-GRASS SEEDS. J. OLIVER JOHNSON, INC., Chicago, Ill.
Filed March 29, 1924. Serial No. 194,646. PUBLISHED MAY 20, 1924.

187,565. RAW AND PREPARED SKINS AND HIDES. SOCIÉTÉ INDUSTRIELLE DE DÉPOUILLE MÉCANIQUE DES ANIMAUX, Paris, France.
Filed March 31, 1924. Serial No. 194,743. PUBLISHED MAY 20, 1924.

187,566. EMBROIDERY FOUNDATIONS, INITIALS, MONOGRAMS, DESIGNS, EMBROIDERIES MADE OF SILK AND WOOL, UNCOMPLETED WEARING APPAREL, AND TEXTILE MATERIAL STAMPED FOR EMBROIDERY AND FABRIC STAMPED WITH EMBROIDERY PATTERNS. ASMUS-BRADLEY CO., Chicago, Ill.
Filed April 1, 1924. Serial No. 194,767. PUBLISHED JUNE 3, 1924.

187,567. EMBROIDERY HOOPS AND HOOKS, EMBROIDERY NEEDLES, CROCHET HOOKS, HAND SEWING NEEDLES, HAND KNITTING NEEDLES, TATTING SHUTTLES, STILETTOS, BONE AND BRASS RINGS. ASMUS-BRADLEY CO., Chicago, Ill.
Filed April 1, 1924. Serial No. 194,768. PUBLISHED JUNE 3, 1924.

187,568. PERIODICAL PUBLISHED MONTHLY. FUNK & WAGNALLS COMPANY, New York, N. Y.
Filed April 1, 1924. Serial No. 194,792. PUBLISHED JUNE 3, 1924.

187,569. PULP FOR PAPER MAKING. THE JESSUP & MOORE PAPER CO., Philadelphia, Pa.
Filed April 3, 1924. Serial No. 194,927. PUBLISHED MAY 20, 1924.

187,570. MONTHLY PERIODICAL. MARY WITMER-SCHMIEDENDORF, Buffalo, N. Y.
Filed April 7, 1924. Serial No. 195,131. PUBLISHED JUNE 3, 1924.

187,571. SNAP FASTENERS. FULFORD MFG. CO., Providence, R. I.
Filed April 11, 1924. Serial No. 195,396. PUBLISHED JUNE 3, 1924.

187,572. COAL. FRANKLIN COAL COMPANY OF ST. LOUIS, St. Louis, Mo.
Filed April 14, 1924. Serial No. 195,506. PUBLISHED MAY 20, 1924.

187,573. SNAP FASTENERS. FULFORD MFG. CO., Providence, R. I.
Filed April 14, 1924. Serial No. 195,509. PUBLISHED JUNE 3, 1924.

187,574. SNAP FASTENERS. CARR FASTENER COMPANY, Cambridge, Mass.
Filed April 17, 1924. Serial No. 195,678. PUBLISHED JUNE 3, 1924.

187,575. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,217. PUBLISHED MAY 27, 1924.

187,576. MEN'S OUTER GARMENTS, CONSISTING OF SUITS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, JACKETS, TOPCOATS, AND OVERCOATS. SEWARD-BAILEY-LEWIS & CO., INC., Petersburg, Va.
Filed April 5, 1924. Serial No. 195,080. PUBLISHED MAY 27, 1924.

187,577. CHIFFON, FIVE-THREADED, DIP-DYED, FULL-FASHIONED, ALL-SILK, HOSIERY FOR LADIES. LANSDALE SILK HOSIERY CO., Lansdale, Pa.
Filed April 4, 1924. Serial No. 195,008. PUBLISHED MAY 27, 1924.

187,578. CHILDREN'S WASH SUITS. KONHEIM & MARGOLIS, New York, N. Y.
Filed April 4, 1924. Serial No. 195,006. PUBLISHED MAY 27, 1924.

187,579. DRESSES. R. KIRSHBAUM & SON, INC., Indianapolis, Ind.
Filed April 3, 1924. Serial No. 194,928. PUBLISHED MAY 27, 1924.

187,580. HOSIERY. E. T. SLATTERY CO., Boston, Mass.
Filed April 2, 1924. Serial No. 194,882. PUBLISHED MAY 27, 1924.

187,581. HOSIERY. E. T. SLATTERY CO., Boston, Mass.
Filed April 2, 1924. Serial No. 194,881. PUBLISHED MAY 27, 1924.

187,582. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. FRIEDMAN BROTHERS, INC., New York, N. Y.
Filed April 2, 1924. Serial No. 194,857. PUBLISHED MAY 27, 1924.

187,583. MEN'S AND CHILDREN'S OVERCOATS. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed April 2, 1924. Serial No. 194,850. PUBLISHED MAY 27, 1924.

187,584. CHILDREN'S DRESSES. THE DANDYLINE CO., Chicago, Ill.
Filed March 31, 1924. Serial No. 194,694. PUBLISHED MAY 27, 1924.

187,585. UNDERWEAR FOR WOMEN IN ONE, TWO, AND THREE PIECE GARMENTS. HERMAN T. MENDELSOHN, doing business as Herman T. Mendelsohn Co., New York, N. Y.
Filed March 29, 1924. Serial No. 194,653. PUBLISHED MAY 27, 1924.

187,586. LADIES' BLOOMERS. MANNY-RIELLY CO., New York, N. Y.
Filed March 29, 1924. Serial No. 194,651. PUBLISHED MAY 27, 1924.

187,587. MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS AND BOYS' AND CHILDREN'S BLOUSES, PLAY SUITS, FLAPPER SUITS, AND WASH SUITS. ELDER MFG. CO., St. Louis, Mo.
Filed March 28, 1924. Serial No. 194,597. PUBLISHED MAY 27, 1924.

187,588. LADIES' SUITS AND COATS. GOLDMAN COSTUME COMPANY INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,346. PUBLISHED MAY 20, 1924.

187,589. MEN'S, WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR AND HOSIERY. ROY K. SCHWARTZ, Baltimore, Md.
Filed March 22, 1924. Serial No. 194,306. PUBLISHED MAY 20, 1924.

187,590. MEN'S, WOMEN'S, AND CHILDREN'S FULL-FASHIONED AND SEAMLESS HOSIERY. KRAEMER HOSIERY COMPANY, Nazareth, Pa.
Filed March 21, 1924. Serial No. 194,197. PUBLISHED MAY 27, 1924.

187,591. UMBRELLAS AND PARASOLS. DANIEL A. WEINBERG, doing business as Siegel, Rothschild & Co., Baltimore, Md.
Filed March 13, 1924. Serial No. 193,742. PUBLISHED MAY 27, 1924.

187,592. NECKTIES AND CRAVATS. HUGHES & BRADLEY COMPANY, Philadelphia, Pa.
Filed February 19, 1924. Serial No. 192,536. PUBLISHED MAY 27, 1924.

187,593. LADIES' AND CHILDREN'S OVERALL UNION SUITS. A. RIFKIN & COMPANY, Wilkes-Barre, Pa.
Filed February 18, 1924. Serial No. 192,497. PUBLISHED MAY 27, 1924.

187,594. LADIES' JACKETS AND COATS. FELDBAUM & SPIEGEL, INC., New York, N. Y.
Filed February 5, 1924. Serial No. 191,824. PUBLISHED MAY 27, 1924.

187,595. DRESSES FOR WOMEN AND MISSES. M. & B. SCHULTZ, Lafayette, Ind.
Filed February 4, 1924. Serial No. 191,787. PUBLISHED MAY 27, 1924.

187,596. SUSPENDERS, WORK SHIRTS, OVERALLS, PANTS, AND COATS. THE OHIO GARMENT COMPANY, Springfield, Ohio.
Filed January 14, 1924. Serial No. 190,805. PUBLISHED MAY 27, 1924.

187,597. KNITTED WEARING APPAREL—NAMELY, SWEATERS, VESTS, KNICKERBOCKERS, TROUSERS, TRAINING SHIRTS, AND UNDERWEAR. BENJAMIN ALAN COHEN, New York, N. Y.
Filed January 11, 1924. Serial No. 190,677. PUBLISHED MAY 27, 1924.

187,598 KNITTED GOODS OF WOOL AND COTTON—NAMELY, HOSIERY, SWEATERS, VESTS, SHIRTS, KNICKERBOCKERS, SKIRTS, AND SCARFS. WELBORN YARN COMPANY, INC., New York, N. Y.
Filed January 10, 1924. Serial No. 190,661. PUBLISHED MAY 27, 1924.

187,599. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, KNICKERBOCKERS, OVERCOATS, RAINCOATS, MACKINAWS, AND ULSTERS. J. J. PREIS & CO., New York, N. Y.
Filed December 26, 1923. Serial No. 190,127. PUBLISHED MAY 27, 1924.

187,600. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, HOSIERY, NECKTIES, AND UNDERWEAR OF TEXTILE FABRIC. THE MACVALE COMPANY OF AMERICA, INC., New York, N. Y.
Filed December 13, 1923. Serial No. 189,632. PUBLISHED MAY 27, 1924.

187,601. FOOD-FLAVORING OILS, EXTRACTS, AND ESSENCES. PIERRE LEMOINE ET CIE., INC., New York, N. Y.
Filed December 10, 1923. Serial No. 189,479. PUBLISHED MAY 13, 1924.

187,602. CERTAIN NAMED CLOTHING. M. J. EVEN & SONS, Chicago, Ill.
Filed September 12, 1923. Serial No. 185,694. PUBLISHED MAY 27, 1924.

187,603. LADIES' HOSIERY. SEALY CORPORATION, New York, N. Y.
Filed June 4, 1923. Serial No. 181,540. PUBLISHED MAY 27, 1924.

187,604. GRAINING LIQUID. BURTON E. BAXTER, doing business as B. E. Baxter Co., Whitney Point, N. Y.
Filed February 21, 1923. Serial No. 176,395. PUBLISHED MAY 15, 1923.

187,605. INFANTS', CHILDREN'S, MEN'S, AND LADIES' HOSIERY MADE OF COTTON, WOOL, AND SILK OR COMBINATIONS OF THE SAME. THE ATLAS TEXTILE CO., Cincinnati, Ohio.
Filed January 22, 1923. Serial No. 174,876. PUBLISHED MAY 20, 1924.

187,606. INFANTS', CHILDREN'S, MISSES' AND LADIES' SUITS, OUTER DRESSES, COATS, OVERCOATS, HATS, CAPS, WRAPS, AND UNDERCLOTHING. NATALIE, Washington, D. C.
Filed October 10, 1922. Serial No. 170,534. PUBLISHED MAY 27, 1924.

187,607. WAISTS, DRESSES, GOWNS, EVENING GOWNS, SUITS, WRAPS, COATS, CLOAKS, SPORT DRESSES AND UNDERGARMENTS FOR WOMEN, MISSES, AND CHILDREN. FASHION-BILT DRESS CO., INC., New York, N. Y.
Filed September 5, 1922. Serial No. 169,055. PUBLISHED FEBRUARY 6, 1923.

187,608. BREAD WRAPPERS. POTTER-WRIGHTINGTON, INC., Charlestown, Boston, Mass.
Filed March 1, 1922. Serial No. 160,025. PUBLISHED APRIL 10, 1923.

187,609. FRESH, PRESERVED, PICKLED, AND DRIED CANTALOUPE. FORT WORTH CHAMBER OF COMMERCE, Fort Worth, Tex.
Filed August 11, 1923. Serial No. 186,619. PUBLISHED MARCH 25, 1924.

187,610. GENERAL TONIC. CHARLES SEGALAS, doing business as Chas. Segalas Company, San Francisco, Calif.
Filed December 26, 1923. Serial No. 190,133. PUBLISHED MAY 20, 1924.

187,611. LINIMENT FOR USE IN THE TREATMENT OF RHEUMATISM. STALLARD & SON, Wise, Va.
Filed April 17, 1924. Serial No. 195,719. PUBLISHED JUNE 3, 1924.

187,612. MEDICINAL PREPARATION FOR USE IN THE TREATMENT AND RELIEF OF NERVOUS TROUBLE. J. B. FOWLER, Bartlesville, Okla.
Filed April 3, 1924. Serial No. 194,915. PUBLISHED JUNE 3, 1924.

187,613. PHARMACEUTICAL PREPARATION FOR THE CORRECTION OF DISORDERS AND DISEASES OF THE LIVER. THE PHOSPHO-ALBUMEN COMPANY, INC., Newburgh, N. Y.
Filed March 31, 1924. Serial No. 194,734. PUBLISHED JUNE 3, 1924.

187,614. HAIR AND SCALP TONIC. MARIELLA PARFUMES, INC., Brooklyn, N. Y.
Filed March 31, 1924. Serial No. 194,727. PUBLISHED JUNE 3, 1924.

187,615. INSECTICIDE. F. A. FRAZIER COMPANY, San Francisco, Calif.
Filed March 31, 1924. Serial No. 194,702. PUBLISHED JUNE 3, 1924.

187,616. INSECTICIDE. F. A. FRAZIER COMPANY, San Francisco, Calif.
Filed March 31, 1924. Serial No. 194,701. PUBLISHED JUNE 3, 1924.

187,617. HOUSE PAINT, FLAT PAINT, FLOOR AND PORCH PAINT, PAINT ENAMELS, VARNISHES, SHELLACS, AND ROOF AND BARN PAINT. INDEPENDENT WALL PAPER COMPANY, Pittsburgh, Pa.
Filed February 9, 1924. Serial No. 192,075. PUBLISHED APRIL 22, 1924.

187,618. DEPILATORIES. GEORGE S. BATES, doing business as Ever-Off Manufacturing Company, Los Angeles, Calif.
Filed February 8, 1923. Serial No. 175,716. PUBLISHED JUNE 3, 1924.

187,619. ELECTRIC WELDING MACHINES. JOSEPH P. KRYZA, doing business as Super Arc Welding Machine Co., Detroit, Mich.
Filed December 26, 1922. Serial No. 173,837. PUBLISHED MAY 6, 1924.

187,620. ANÆSTHETICS. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed November 17, 1922. Serial No. 172,169. PUBLISHED JUNE 3, 1924.

187,621. A MEDICINAL PREPARATION FOR INTERNAL USE, ACTING AS AN ANALGESIC TO RELIEVE PAIN. THE HEIDBRINK COMPANY, Minneapolis, Minn.
Filed March 22, 1920. Serial No. 130,035. PUBLISHED OCTOBER 26, 1920.

187,622. SOLVENT FOR CLEANING DRAIN PIPES, PLUMBING, OIL BURNERS, RADIATORS, ETC. WESTERN BOILER COMPOUND & CHEMICAL CO., doing business as Western Chemical Laboratories, Kansas City, Mo.
Filed March 17, 1924. Serial No. 193,974. PUBLISHED MAY 20, 1924.

187,623. WOUND DRESSING. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,512. PUBLISHED MAY 20, 1924.

187,624. DENTIFRICES IN PASTE FORM. SAMUEL J. OBERWAGER, New York, N. Y.
Filed March 17, 1924. Serial No. 193,949. PUBLISHED MAY 20, 1924.

187,625. LAXATIVE CHEWING GUM. BATTLE CREEK HEALTH LABORATORY, Battle Creek, Mich.
Filed March 10, 1924. Serial No. 193,498. PUBLISHED MAY 20, 1924.

187,626. COMBINED FACE CREAM AND FACE POWDER. THE VILLEETA COMPANY, Atlanta, Ga.
Filed March 6, 1924. Serial No. 193,370. PUBLISHED MAY 6, 1924.

187,627. ARTIFICIAL MINERAL WATER. TITINO D'ORTONA, Philadelphia, Pa.
Filed March 6, 1924. Serial No. 193,327. PUBLISHED MAY 20, 1924.

187,628. PREPARATION IN LIQUID FORM FOR THE TREATMENT OF COUGHS, COLDS, INFLUENZA, AND LA GRIPPE. COLDEX CHEMICAL COMPANY, Atlanta, Ga.
Filed March 6, 1924. Serial No. 193,324. PUBLISHED MAY 20, 1924.

187,629. CERTAIN NAMED MEDICINAL PREPARATIONS. THE SYDNEY ROSS CO., Newark, N. J.
Filed March 4, 1924. Serial No. 193,254. PUBLISHED MAY 20, 1924.

187,630. DENTIFRICES, TALCUM POWDERS, SACCHARINE TABLETS, QUININE SULPHATE, QUININE BISULPHATE, AND PHENOLPHTHALEIN TABLETS. THE SYDNEY ROSS CO., Newark, N. J.
Filed March 4, 1924. Serial No. 193,253. PUBLISHED MAY 20, 1924.

187,631. MEDICINAL PREPARATIONS FOR CERTAIN DISEASES. THE SYDNEY ROSS CO., Newark, N. J.
Filed March 4, 1924. Serial No. 193,249. PUBLISHED MAY 20, 1924.

187,632. PORTLAND CEMENT. KLAGSHAMNS CEMENTVERKS AKTIEBOLAG, Malmo and Klagshamn, Sweden.
Filed February 15, 1924. Serial No. 192,328. PUBLISHED MAY 20, 1924.

187,633. METAL-HARDENING SUBSTANCES. STASSFURTER CHEMISCHE FABRIK VORMALS VORSTER & GRÜNEBERG ACTIEN-GESELLSCHAFT, Stassfurt, Germany.
Filed December 26, 1923. Serial No. 190,135. PUBLISHED MAY 13, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

187,634. (CLASS 33. GLASSWARE.) SIMON BACHE & COMPANY, New York, N. Y. Filed June 17, 1924. Serial No. 198,724.

ARGENTINE

Particular description of goods.—Glass.
Claims use since about Jan. 1, 1912.

187,635. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed June 7, 1924. Serial No. 198,270.

Glenwood

Particular description of goods.—Butter.
Claims use since Nov. 15, 1915.

187,636. (CLASS 37. PAPER AND STATIONERY.) MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed June 6, 1924. Serial No. 198,194.

Markwell

Particular description of goods.—Crayons.
Claims use since Jan. 15, 1920.

187,637. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE TOY KRAFT COMPANY, Wooster, Ohio. Filed May 14, 1924. Serial No. 197,056.



Particular description of goods.—Toy Animals, Wagons, and Carts.
Claims use since Apr. 1, 1923.

187,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. J. BUNIM, Brooklyn, N. Y. Filed May 14, 1924. Serial No. 197,013.

BUNIM'S BEST

Particular description of goods.—Candies.
Claims use since Jan. 1, 19--.

187,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT H. PONS, doing business as Remedial Manufacturing Co., Chicago, Ill. Filed Aug. 27, 1923. Serial No. 185,040.

REMEDIO

Particular description of goods.—Medicinal Compound for Relief and Treatment of Inflammation and Congestion and Cold in the Head.
Claims use since Apr. 15, 1922.

187,640. (CLASS 37. PAPER AND STATIONERY.) EMPIRE PAPER COMPANY, Chicago, Ill. Filed May 2, 1924. Serial No. 196,445.

LEGAL BOND

Particular description of goods.—Writing Paper.
Claims use since January, 1915.

187,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE INTERSTATE INDUSTRIAL ALCOHOL CO., Cleveland, Ohio. Filed Mar. 29, 1924. Serial No. 194,645.



Particular description of goods.—Industrial Alcohol.
Claims use since Oct. 1, 1921.

187,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMENICO GHERARDI, doing business as Gherardi Co., Corona, N. Y. Filed Mar. 10, 1924. Serial No. 193,516.

GHERARDI

HERB REMEDY

Particular description of goods.—Herb Laxatives and Stomach Medicines.
Claims use since Apr. 19, 1923.

187,643. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HUGO V. LOEWI, INC., New York, N. Y. Filed May 1, 1922. Serial No. 163,157.

GUARANTEED BRAND

Particular description of goods.—Hops.
Claims use since about Nov. 18, 1920.

187,644. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HUGO V. LOEWI, INC., New York, N. Y. Filed May 1, 1922. Serial No. 163,156.

BATES' BRAND

Particular description of goods.—Hops.
Claims use since about Apr. 14, 1920.

187,645. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUNBEAM CHEMICAL COMPANY, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,632.

NEW IMPROVED

RIT

Particular description of goods.—Dyes Combined with Soap.
Claims use for not less than one year.

187,646. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE AGUTTER, Forest Hills, Long Island, N. Y. Filed July 13, 1923. Serial No. 183,132.

SILVER TIP

Particular description of goods.—Tennis Rackets.
Claims use since June 26, 1923.

187,647. (CLASS 37. PAPER AND STATIONERY.) NOESTING PIN TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y. Filed May 18, 1923. Serial No. 180,806.

PEERLESS

Particular description of goods.—Paper Clips.
Claims use since May 8, 1923.

187,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR FELDMAN, doing business as Jean de Parys, New York, N. Y. Filed Jan. 5, 1924. Serial No. 190,451.

Jean de Parys

Particular description of goods.—Perfumes, Face Creams, Face Powder, Toilet Powder, and Rouge.
Claims use since May 26, 1920.

187,649. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WALTER MOTOR TRUCK COMPANY, INC., Long Island City, N. Y. Filed Dec. 3, 1923. Serial No. 189,176.

WALTER

100% TRACTION

Particular description of goods.—Electric Trucks.
Claims use for not less than one year.

187,650. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMMERCIAL TRUCK COMPANY, Philadelphia, Pa. Filed Sept. 15, 1923. Serial No. 185,817.

Cutting the Long Cost out of the Short Haul

Particular description of goods.—Commercial Electric Trucks.
Claims use since June 18, 1923.

187,651. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMMERCIAL TRUCK COMPANY, Philadelphia, Pa. Filed Sept. 15, 1923. Serial No. 185,816.

The C-T—When it Stops it Stops All Over

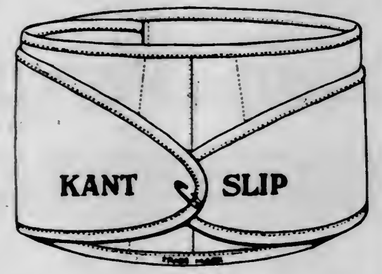
Particular description of goods.—Commercial Electric Trucks.
Claims use since June 18, 1923.

187,652. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Rossville, Ga. Filed Oct. 29, 1921. Serial No. 154,763.

COLORADO

Particular description of goods.—Hosiery.
Claims use since June 1, 1911.

187,653. (CLASS 39. CLOTHING.) WILLIAM BOSCHERT, St. Louis, Mo. Filed May 9, 1923. Serial No. 180,357.



Particular description of goods.—Infants' Bands.
Claims use since Feb. 1, 1921.

187,654. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CORTICELLI SILK COMPANY, Florence, Mass. Filed Oct. 12, 1922. Serial No. 170,023.

TREMAINE

Particular description of goods.—Fabrics Made of Silk, Artificial Silk, and Cotton.
Claims use since about Aug. 15, 1922.

187,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD C. WOLPER, New York, N. Y. Filed Dec. 28, 1923. Serial No. 190,222.



Particular description of goods.—Styptic Salves and Ointments.
Claims use since about January, 1922.

187,656. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN FRIEDRICH, doing business as Blue Anchor Inn Beverage Co., Philadelphia, Pa. Filed Apr. 14, 1924. Serial No. 193,507.

Triple Sec

Particular description of goods.—Ginger Ale.
Claims use since November, 1923.

187,657. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Filed May 5, 1924. Serial No. 196,626.

THE ARISTOCRAT OF THEM ALL

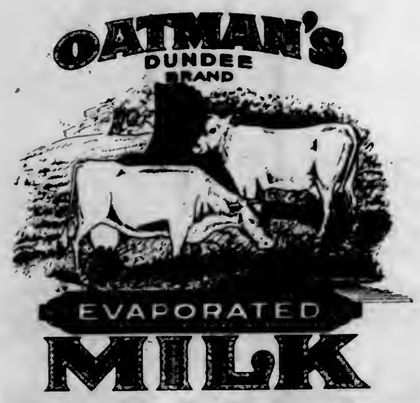
Particular description of goods.—Ginger Ale and Carbonated Water.
Claims use since on or about July 10, 1919.

187,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID KLECKNER, New York, N. Y. Filed May 14, 1924. Serial No. 197,032.

KLECKNER'S

Particular description of goods.—Pure Olive Oil, Pure Spanish Saffron, and Pure Spanish Paprica.
Claims use since Aug. 21, 1903.

187,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OATMAN CONDENSED MILK CO., Dundee, Ill. Filed May 19, 1924. Serial No. 197,289.



Particular description of goods.—Evaporated Milk.
Claims use since January, 1907.

187,660. (CLASS 12. CONSTRUCTION MATERIALS.) TACOMA PLANING MILLS, INC., Tacoma, Wash. Filed June 2, 1924. Serial No. 197,967.

TACOMA FINISH

Particular description of goods.—Doors and Moldings.
Claims use since Aug. 1, 1922.

187,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. MERLINO & SONS, Seattle, Wash. Filed Feb. 21, 1924. Serial No. 192,632.



Particular description of goods.—Olive Oil.
Claims use since Jan. 1, 1906.

187,662. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NATIONAL RENOVATING & SUPPLY CO., Kansas City, Mo. Filed June 3, 1924. Serial No. 198,023.

PERFECTION

Particular description of goods.—Liquid Soap.
Claims use since May 2, 1919.

187,663. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FAULTLESS NIGHTWEAR CORPORATION (E. Rosenfeld & Co.), Baltimore, Md. Filed June 18, 1924. Serial No. 198,736.

"SILCLUSTER" CLOTH

Particular description of goods.—Cotton, Linen, Artificial-Silk, and Silk Piece Goods and Admixtures of the Same.
Claims use since May 1, 1910.

187,664. (CLASS 12. CONSTRUCTION MATERIALS.) EDWIN A. JACKSON & BRO. INC., New York, N. Y. Filed Feb. 8, 1923. Serial No. 175,722.

WINDO-SHUTE

Particular description of goods.—Chutes and Windows Adapted for the Transfer of Material and Articles from the Exterior to the Interior of Buildings.
Claims use since Jan. 5, 1923.

187,665. (CLASS 39. CLOTHING.) PENDLETON WOOLEN MILLS, Portland, Oreg. Filed Nov. 3, 1923. Serial No. 187,956.

Beaver State

Particular description of goods.—Outer Coats, Trousers, and Vests, Overcoats, Work and Dress Shirts, Knitted and Woven Underwear, Knitted and Woven Hosiery, Bath Robes, and Knitted, Netted, or Woven Sweaters, House Jackets, and Coats.
Claims use since April, 1912.

187,666. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THEODORE W. DAHLQUIST, doing business as Dahlquist Manufacturing Company, Dedham, Mass. Filed Mar. 5, 1924. Serial No. 193,275.



Particular description of goods.—Steam and Water Boilers; Coal, Gas, and Electric Ranges; and Gas Water Heaters.
Claims use since 1899.

187,667. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MILLER, doing business as The General Laboratories Company, Cincinnati, Ohio. Filed Apr. 4, 1924. Serial No. 194,990.

PHARAOH

CONCENTRATED

Embalming Fluid

Particular description of goods.—Embalming Fluid.
Claims use since Jan. 1, 1923.

187,668. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MILLER, doing business as The General Laboratories Company, Cincinnati, Ohio. Filed Apr. 4, 1924. Serial No. 194,991.

PHARAOH

CONCENTRATED

Arterial Wash

Particular description of goods.—Arterial Wash.
Claims use since Jan. 1, 1923.

187,669. (CLASS 1. RAW OR PARTLY-PREPARED MATERIAL.) STUMPF & WALTER CO., New York, N. Y. Filed Mar. 31, 1924. Serial No. 195,037.

GREENWOOD

FORMULA

Particular description of goods.—Flower, Vegetable, and Grass Seeds and Flowering Bulbs.
Claims use since Jan. 15, 1914.

187,670. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RICHARD FALTER, doing business as Richard Falter Company, New York, N. Y. Filed Apr. 7, 1924. Serial No. 195,099.

EVER-WEAR

Particular description of goods.—Rubberized and Waterproof Sheeting and Crib Sheets.
Claims use since Nov. 21, 1922.

187,671. (CLASS 39. CLOTHING.) ROSENZWEIG & HARPER, New York, N. Y. Filed May 2, 1924. Serial No. 196,479.

Irwin

Particular description of goods.—Men's Clothes—Namely, Coats, Overcoats, Trousers, Vests, and Raincoats.
Claims use since January, 1922.

187,672. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & WALLS, New York, N. Y. Filed May 23, 1924. Serial No. 197,518.

WIMBLEDON

Particular description of goods.—Cotton Piece Goods.
Claims use since June 22, 1923.

187,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVERETT FRUIT PRODUCTS COMPANY, Everett, Wash. Filed Mar. 21, 1924. Serial No. 194,169.

Wenatchee BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned Fruits and Vegetables.
Claims use since December, 1917.

187,674. (CLASS 12. CONSTRUCTION MATERIALS.) H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Nov. 24, 1919. Serial No. 125,252.

ROBERTSON PROCESS

Particular description of goods.—Protected Metal Sheets for Use in Constructing Roofs and Sidings of Buildings, Flashings, Gutters, Skylights, Shingles, Preformed Gypsum Slabs, Rolled Roofing, Paving Joints, Plastic Cements, Asphalts.
Claims use since July 17, 1919.

LABELS

REGISTERED AUGUST 5, 1924.

27,670.—*Title:* 15 VIEWS. For a Container for Miniature Post Cards. J. C. BARDELL, doing business as Bardell Art Printing Co., San Francisco, Calif. Published June 13, 1924.

27,671.—*Title:* BEARDSLEY'S. For Malt Extract. CALVIN L. BEARDSLEY, doing business as Beardsley Specialty Co., Rock Island, Ill. Published June 19, 1924.

27,672.—*Title:* CARLSON CURRIER. For Spool Silk. BELDING BROS. & COMPANY, San Francisco, Calif. Published January 23, 1924.

27,673.—*Title:* HOF-BRAU. For Malt Sirup. BLATZ PRODUCTS COMPANY, Milwaukee, Wis. Published May 12, 1924.

27,674.—*Title:* R A B SALINE MINERALS. For a Preparation for the Feet and for Bathing the Human Body. JOHN C. CROWE, doing business as Clear Rock Mineral Co., Indianapolis, Ind. Published May 3, 1924.

27,675.—*Title:* DAIRYLEA POWDERED SKIMMED MILK. For Powdered Skimmed Milk. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y. Published May 31, 1924.

27,676.—*Title:* DROMEDARY CITRON. For Candied Citron. THE HILLS BROTHERS COMPANY, New York, N. Y. Published June 12, 1924.

27,677.—*Title:* GOLDEN GROVES. For Oranges. INDEPENDENT FRUIT GROWERS, INC., New York, N. Y. Published March 26, 1924.

27,678.—*Title:* DOT. For Coffee. THE JANSZEN GROCERY COMPANY, Cincinnati, Ohio. Published April 2, 1924.

27,679.—*Title:* McGREW'S. For Weatherproof Pure Paint. WILLIAM E. MCGREW, Los Angeles, Calif. Published May 16, 1924.

27,680.—*Title:* MEEHAN'S. For Malt Extract. MEEHAN GROCERY COMPANY, St. Louis, Mo. Published April 23, 1924.

27,681.—*Title:* MOUNTAINEER. For Fresh Apples. H. W. & L. P. MILLER, Paw Paw, W. Va. Published April 19, 1924.

27,682.—*Title:* IN-B-TWEEN. For Food Paste. W. R. W. NICHOLS CO., INC., San Francisco, Calif. Published June 1, 1924.

27,683.—*Title:* MARVE. For Hair Tonic. SALVATORE PATTI, doing business as the Plattifome Products Company, Belleville, N. J. Published February 6, 1924.

27,684.—*Title:* SEMBLE UR OWN. For Flash Lights and Parts Thereof. PREMO ELECTRIC CORPORATION, New York, N. Y. Published June 12, 1924.

27,685.—*Title:* SANKEY'S U-NEED-A BELT DRESSING. For a Liquid Dressing Adhesive in Quality, and is Used on All Kinds of Leather and Fabric Belting. DAVID W. SANKEY, Mifflinburg, Pa. Published May 24, 1924.

27,686.—*Title:* HOME-BAKE. For Bread. THE J. SPANG BAKING COMPANY, Cleveland, Ohio. Published June 20, 1924.

27,687.—*Title:* TOURIST. For Hairpins. THE STERLING PIN CO., Derby, Conn. Published June 13, 1924.

27,688.—*Title:* HEXOBLOX. For Box for No. 1 Hexoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published June 2, 1924.

27,689.—*Title:* HEXOBLOX. For Box for No. 2 Hexoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published June 2, 1924.

27,690.—*Title:* CEDAR OIL POLISH. For a Polish for Woodwork and Furniture and for Recharging Oil Mops. FRANK P. SYMONDS, doing business as Salem Chemical & Supply Company, Salem, Mass. Published May 15, 1924.

27,691.—*Title:* MAZMEAL NEUTRAL HAND SOAP. FOR MEN AND WOMEN WHO WORK WITH THEIR HANDS. For Powdered Soap. THE THORO CORPORATION, Chicago, Ill. Published June 2, 1924.

27,692.—*Title:* UNITED DOUBLE STRIPE HOSIERY. For Hosiery. UNITED HOSIERY STORES CO., Chicago, Ill. Published May 20, 1924.

27,693.—*Title:* QUEEN ISABELLA. For Grape Juice. UTT JUICE COMPANY, Tustin, Calif. Published April 1, 1924.

PRINTS

REGISTERED AUGUST 5, 1924.

7,533.—*Title:* KEBO A NEW STYLE IN ARROW COLLARS. For Collars. CLUETT, PEABODY & Co., INC., Troy, N. Y. Published March 15, 1924.

7,534.—*Title:* IT PAYS TO INSIST ON ARROWS PICCADILLY. For Shirts. CLUETT, PEABODY & Co., INC., Troy, N. Y. Published May 31, 1924.

7,535.—*Title:* DONCHESTER ARROW DRESS SHIRTS. For Shirts. CLUETT, PEABODY & Co., INC., Troy, N. Y. Published January 28, 1924.

7,536.—*Title:* IT PAYS TO INSIST ON ARROWS HIS FIRST DRESS SHIRT, QUITE NATURALLY IT IS AN ARROW. For shirts. CLUETT, PEABODY & Co., INC., Troy, N. Y. Published December 31, 1923.

7,537.—*Title:* IT PAYS TO INSIST ON ARROWS ARROW SHIRTS FOR EVENING WEAR. For Shirts. CLUETT, PEABODY & Co., INC., Troy, N. Y. Published December 17, 1923.

7,538.—*Title:* LE TALC DE COTY. For Talc Powder and Toilette Water. COTY, INC., Wilmington, Del., and New York, N. Y. Published July 1, 1924.

7,539.—*Title:* LE TALC DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published July 1, 1924.

7,540.—*Title:* LE TALC DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published July 1, 1924.

7,541.—*Title:* ECCO. For Coal. THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Published June 5, 1924.

7,542.—*Title:* CORNS HURT? STOP 'EM. For Corn Plasters. FOOT REMEDY COMPANY, Chicago, Ill. Published March 15, 1924.

7,543.—*Title:* THE TIE QUESTION. For Knitted Neckties. FRANKLIN KNITTING MILLS, INC., New York, N. Y. Published January 31, 1924.

7,544.—*Title:* HITONE KUT LX. For Fancy Cut Spectacle and Eyeglass Lenses. WILLIAM B. GEORGIA, Waco, Tex. Published May 14, 1924.

7,545.—*Title:* OCTAGONAL CUT IN THE NEUTRAL GROUND NONGLARE LENSES. For Spectacle and Eyeglass Lenses. WILLIAM B. GEORGIA, Waco, Tex. Published May 14, 1924.

7,546.—*Title:* CONSOLE PHONOGRAPH. For a Musical Instrument. KESSELMAN-O'DRISCOLL CO., Milwaukee, Wis. Published May 16, 1924.

7,547.—*Title:* VAN HEUSEN THE WORLD'S SMARTEST COLLAR. For Collars, PHILLIPS-JONES CORPORATION, New York, N. Y. Published June 27, 1924.

7,548.—*Title:* FOR OVER FIFTY YEARS MANUFACTURERS OF HIGH GRADE CHOCOLATE COATINGS AND LIQUORS. For Chocolate Coatings and Liquors. RUNKEL BROTHERS, INC. New York, N. Y. Published May 19, 1924.

7,549.—*Title:* COMET RICE. For Rice. SEABOARD RICE MILLING CO., INC., New York, N. Y. Published April 16, 1924.

7,550.—*Title:* WHITMAN'S SALMAGUNDI CHOCOLATES. For Chocolates. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published May 15, 1924.

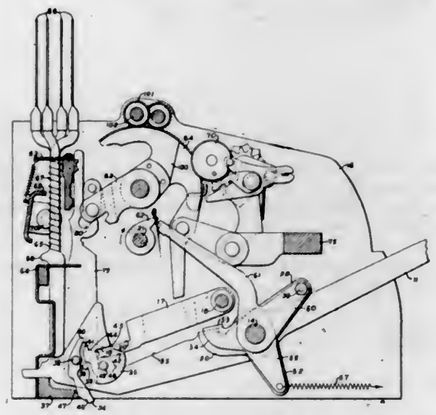
7,551.—*Title:* WHITMAN'S PLEASURE ISLAND CHOCOLATES. For Chocolates. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published May 15, 1924.

7,552.—*Title:* WHITMAN'S NUTS CHOCOLATE COVERED. For Nuts Chocolate Covered. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published May 15, 1924.

REISSUES

AUGUST 5, 1924.

15,883. CASH REGISTER. EDWARD J. VON PEIN, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed May 23, 1924. Serial No. 715,492. Original No. 1,371,653, dated Mar. 15, 1921, Serial No. 291,433, filed Apr. 21, 1919. 9 Claims. (Cl. 235—3.)



1. In a machine of the class described, the combination of a plurality of sets of manipulative devices, an operating member common to all of said devices and operated by the devices of one set said member carrying an obstruction, a rocking frame operated by the devices of another set, and an arm carried by said rocking frame normally engaging the obstruction on the operating member to prevent movement of said member.

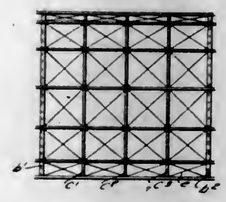
15,884. MAGNETIC CHUCK. OSWALD CORADI and HENRI GRAF-BUCHLER, Zurich, Switzerland. Filed Feb. 16, 1924. Serial No. 693,445. Original No. 1,412,776, dated Apr. 11, 1922, Serial No. 394,819, filed July 8, 1920. 15 Claims. (Cl. 175—367.)



1. A magnetic chuck comprising a plurality of adjacent magnets having top faces and lateral faces, respectively in planes at right angles to each other, the respective faces of each magnet being spaced apart from the faces of any other magnet.

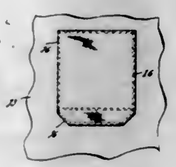
7. A magnetic chuck comprising in combination, a base, a plurality of integral extensions formed thereon, and coils wound about said extensions whereby the magnetic paths within the chuck are entirely within a single member.

15,885. SKELETON FRAME CONSTRUCTION FOR AIRSHIPS AND THE LIKE. KARL ARNSTEIN, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany, a Firm. Filed June 14, 1924. Serial No. 720,145. Original No. 1,456,497, dated May 29, 1923, Serial No. 550,885, filed Apr. 8, 1922. 1 Claim. (Cl. 244—3.)



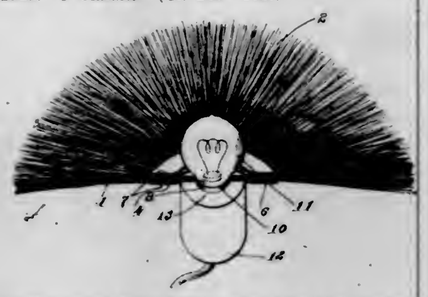
The method of making rigid skeleton frames for air ships which consists in connecting spaced longitudinal supporting members to transversely arranged supporting rings, bracing an auxiliary ring by aid of bracing members, inserting said auxiliary ring intermediate said supporting rings and parallel to said supporting rings and removing said bracing members.

15,886. PATCH POCKET. ALFRED C. BARROW, Lynchburg, Va., assignor, by mesne assignments, to Patent Pocket Corporation, Lynchburg, Va., a Corporation of Virginia. Filed June 3, 1924. Serial No. 717,667. Original No. 1,457,812, dated June 5, 1923, Serial No. 558,669, filed May 5, 1922. 4 Claims. (Cl. 2—248.)



1. The combination with a garment body, of a facing for forming a pocket therewith, said facing being of double ply construction adjacent its lower end with the inner ply of less width than the outer ply, the sides of the latter being folded over at the side edges of the inner ply, and stitching securing the sides and lower end of the facing to the said body, said inner ply being connected to the outer ply by stitching above the bottom of the pocket.

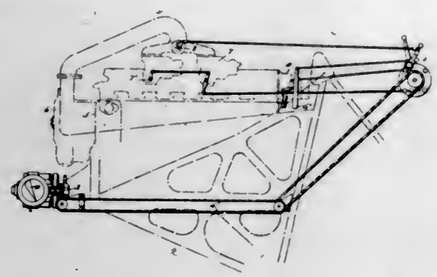
15,887. TINSEL REFLECTOR. BERNARD E. FRANKE, Baltimore, Md., assignor to The George Franke Sons Company, a Corporation of Maryland. Filed Apr. 22, 1924. Serial No. 708,321. Original No. 1,479,037, dated Jan. 1, 1924, Serial No. 630,204, filed Apr. 6, 1923. 5 Claims. (Cl. 240—103.)



1. The combination with a light bulb and socket of a reflector composed of radiating tinsel and a central holder for the tinsel consisting of a disk having a central aperture to pass the shank of the bulb.

15,888. SYNCHRONIZING CONTROL MECHANISM FOR REVERSIBLE-PITCH PROPELLERS. ERNEST G. MCCAULEY, Dayton, Ohio. Filed Feb. 9, 1924. Serial No. 691,852. Original No. 1,458,214, dated June 12, 1923, Serial No. 497,056, filed Aug. 30, 1921. 18 Claims. (Cl. 244—25.)

1. In an aircraft having an internal combustion engine and a reversible propeller, the combination with means for operating the throttle valve of the engine and a device for changing the angularity of the blades of the propeller, of a mechanism for controlling the movements of said throttle valve in accordance with the angular position of the propeller blades when changing from a forward to a reverse pitch, a compensating device for

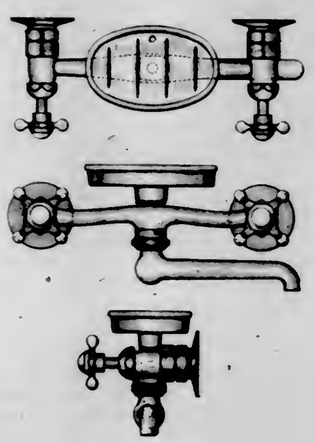


permitting the actuation of said means to an "off" position regardless of the position of said mechanism, said compensating device having further compensating means permitting said throttle valve to remain in an "off" position when the angular position of the blades is being changed from a full reverse to a forward or a normal flying position.

DESIGNS

AUGUST 5, 1924.

65,364. FAUCET. EVERETT H. BICKLEY, Upper Darby, Pa. Filed Oct. 3, 1922. Serial No. 3,875. Term of patent 3½ years.



The ornamental design for a faucet substantially as shown.

65,365. ARM FOR LIGHTING FIXTURES. MICHAEL B. BOWEN, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed Nov. 15, 1922. Serial No. 4,295. Term of patent 3½ years.



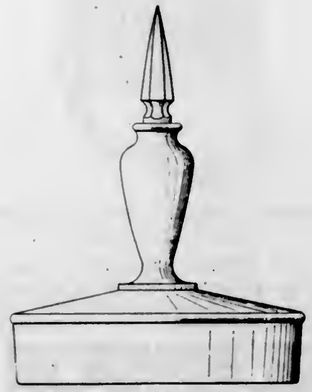
The ornamental design for an arm for lighting fixtures, as shown.

65,366. FINGER RING. BYARD F. BROMAN, Philadelphia, Pa. Filed Feb. 28, 1923. Serial No. 5,328. Term of patent 14 years.



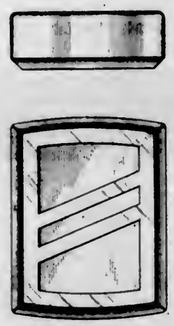
The ornamental design for a finger ring, as shown.

65,367. COMBINED PUFF BOWL AND PERFUME BOTTLE. HARRY G. DALZELL, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 10, 1923. Serial No. 4,857. Term of patent 14 years.



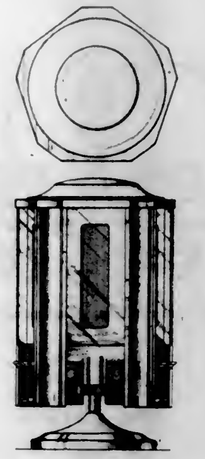
The ornamental design for a combined puff bowl and perfume bottle as shown.

65,368. CLAMP FOR AUTOMOBILE BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor, by mesne assignments, to Biflex Products Company, Waukegan, Ill., a Corporation of Delaware. Filed Aug. 26, 1921. Serial No. 495,830. Term of patent 7 years.



The ornamental design for clamp for automobile bumper, as shown.

65,369. DISPLAY STAND FOR PACKAGED GOODS. AUGIE L. HANSEN, Chicago, Ill., assignor to Hansen Manufacturing Company, County of Cook, Ill., a Corporation of Illinois. Filed June 4, 1924. Serial No. 9,798. Term of patent 7 years.



The ornamental design for a display stand for packaged goods as shown.

65,370. RADIATOR CAP. GEORGE R. HARVEY, Bedford, Ind. Filed July 22, 1921. Serial No. 486,895. Term of patent 3½ years.



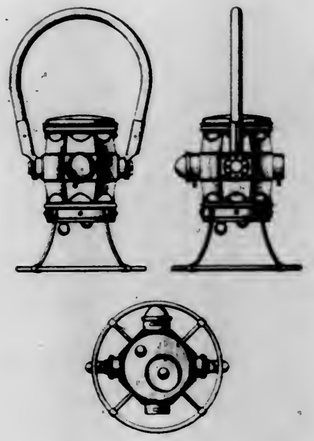
The ornamental design for a radiator cap as shown.

65,371. SOUND-AMPLIFYING HORN. JESSE B. HAWLEY, Wilmette, Ill. Filed June 16, 1923. Serial No. 6,516. Term of patent 14 years.



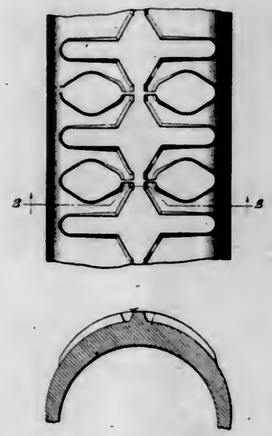
The ornamental design for a sound amplifying horn as shown.

65,372. ELECTRIC LANTERN. ARTHUR W. HELMHOLTZ, Harrisburg, Ill. Filed Apr. 25, 1924. Serial No. 9,403. Term of patent 14 years.



The ornamental design for an electric lantern as shown.

65,373. RUBBER TIRE. LE ROY PARK HOLLOWAY, Akron, Ohio, assignor to American Rubber and Tire Company, Akron, Ohio. Filed Apr. 14, 1922. Serial No. 1,750. Term of patent 7 years.



The ornamental design for a rubber tire as shown.

65,374. LAMP SHADE. FRANK M. KATZ, New York, N. Y., assignor to Frank M. Katz & Co. Inc., New York, N. Y. Filed Nov. 17, 1923. Serial No. 7,804. Term of patent 3½ years.



The ornamental design for a lamp shade, as shown.

65,375. PILE FABRIC. CLARENCE V. KOZLAY, New York, N. Y., assignor to Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed June 6, 1924. Serial No. 9,814. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

65,376. HANDKERCHIEF. FRANK DAL LAGO, Jersey City, N. J., and JACOB S. JASKOW, New York, N. Y. Filed Mar. 21, 1924. Serial No. 9,014. Term of patent 3½ years.



The ornamental design for a handkerchief, as shown.

65,377. UPHOLSTERY BRAID. DAVID M. LENDING, Brooklyn, N. Y. Filed June 7, 1924. Serial No. 9,820. Term of patent 3½ years.



The ornamental design for upholstery braid as shown.

65,378. SALT AND PEPPER SHAKER OR SIMILAR ARTICLE. WILLIAM GIBBON MCILVAIN, Philadelphia, Pa. Filed May 7, 1924. Serial No. 9,508. Term of patent 3½ years.



The ornamental design for a salt and pepper shaker or similar article as shown.

65,379. SALT AND PEPPER SHAKER OR SIMILAR ARTICLE. WILLIAM GIBBON MCILVAIN, Philadelphia, Pa. Filed May 7, 1924. Serial No. 9,509. Term of patent 3½ years.



The ornamental design for a salt and pepper shaker or similar article as shown.

65,380. SPOON OR SIMILAR ARTICLE. WILLIAM F. MOWBY, Wallingford, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed June 12, 1924. Serial No. 9,861. Term of patent 7 years.



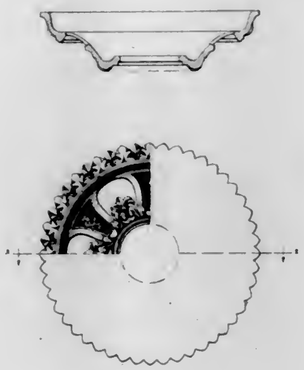
The ornamental design for a spoon or similar article, as shown.

65,381. SPOON OR SIMILAR ARTICLE. WILLIAM F. MOWBY, Wallingford, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed June 12, 1924. Serial No. 9,862. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

65,382. SCREW ADAPTER FOR LIGHTING FIXTURES. BARNET NEWLAND, New York, N. Y. Filed Mar. 29, 1924. Serial No. 9,114. Term of patent 3½ years.



The ornamental design for a screw adapter for lighting fixtures, as shown.

65,383. WALL BRACKET. BARNET NEWLAND, New York, N. Y. Filed Apr. 5, 1924. Serial No. 9,163. Term of patent 3½ years.



The ornamental design for a wall bracket, as shown.

65,384. LACE. WINSLOW A. PARSONS, Wellesley, Mass., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed June 3, 1924. Serial No. 9,785. Term of patent 14 years.



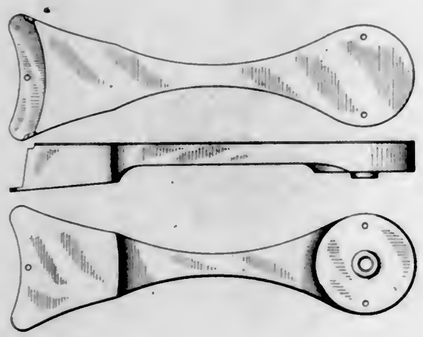
The ornamental design for lace as shown.

65,385. RING. BARNET PUSRIN, New York, N. Y. Filed June 4, 1924. Serial No. 9,792. Term of patent 3½ years.



The ornamental design for a ring, as shown.

65,386. ARM FOR LIGHTING FIXTURES. GROSVENOR P. ROBINSON, Summit, and WILLIAM T. BLACKWELL, Westfield, N. J.; said Robinson assignor of one-half to Lighting Studios Company, New York, N. Y., a Corporation of New York. Filed June 7, 1924. Serial No. 9,816. Term of patent 7 years.



The ornamental design for an arm for lighting fixtures, as shown.

65,387. EMBROIDERED TEXTILE FABRIC. BENJAMIN SCHWARTZ, New York, N. Y., assignor to Gelberg & Schwartz, New York, N. Y., a Firm consisting of Herman Gelberg and Benjamin Schwartz. Filed Mar. 18, 1924. Serial No. 8,983. Term of patent 3½ years.



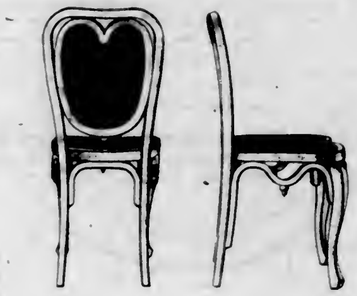
The ornamental design for an embroidered textile fabric as shown.

65,388. EMBROIDERED TEXTILE FABRIC. BENJAMIN SCHWARTZ, New York, N. Y., assignor to Gelberg & Schwartz, New York, N. Y., a Firm consisting of Herman Gelberg and Benjamin Schwartz. Filed Mar. 18, 1924. Serial No. 8,984. Term of patent 3½ years.



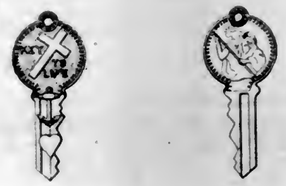
The ornamental design for an embroidered textile fabric as shown.

65,389. BENT-WOOD CHAIR. JULIUS SKVARENINA, Chicago, Ill., assignor to Peter Flaska, Gustav Sojak, John Flaska, and Julius Skvarenina, in trust for the Partnership known as The American Bent Wood Chair Company, Chicago, Ill. Filed June 5, 1924. Serial No. 9,800. Term of patent 14 years.



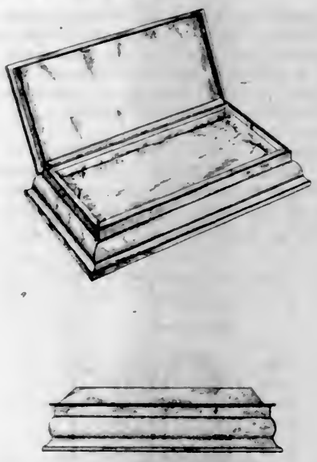
The ornamental design for bent wood chair, as shown.

65,390. CHARM OR SIMILAR ARTICLE. JOSEPH H. SWIFT, North Attleboro, Mass. Filed July 28, 1923. Serial No. 6,885. Term of patent 7 years.



The ornamental design for a charm, or similar article as shown.

65,391. JEWELRY BOX. MAURICE J. KARPELES, Providence, R. I. Filed Feb. 6, 1924. Serial No. 8,548. Term of patent 14 years.

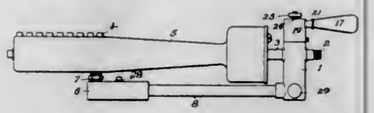


The ornamental design for a jewelry box, as shown.

PATENTS

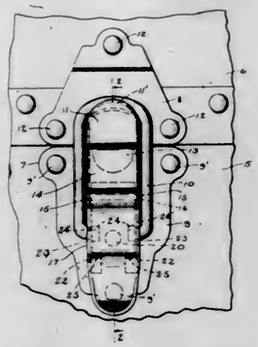
GRANTED AUGUST 5, 1924.

1,503,461. DEVICE FOR REGULATING THE SUPPLY OF FUEL FOR GAS BURNERS. JOHN H. ACKROYD, Bridgeport, Conn. Filed Aug. 11, 1920. Serial No. 402,878. 10 Claims. (Cl. 236—50.)



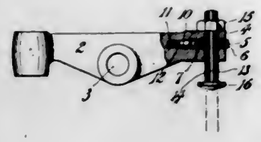
7. In combination with a gas burner, means for supplying gas to the burner, heat controlled means responsive to the temperature of a wall of the burner and adapted to shut off a portion of said gas supply and to maintain such portion shut off so long as the remaining portion of said gas supply is permitted to burn.

1,503,462. TRUNK FIXTURE. CARL P. ALBERT, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed May 27, 1921. Serial No. 472,997. 3 Claims. (Cl. 292—247.)



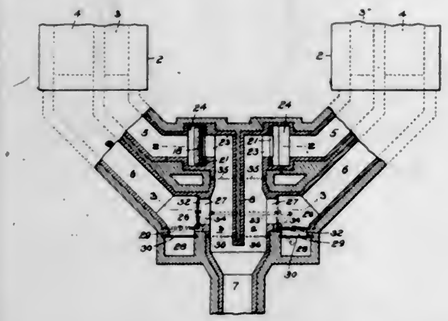
1. A trunk fixture, comprising a one piece cover member formed of sheet metal and having a flat uncut attaching portion and an integral outwardly and upwardly projecting hook-like portion and a downwardly extending tongue, a one piece body member formed of sheet metal and having an outwardly projecting socket portion with an inturned upper flange and which socket portion is entered by the tongue, said socket portion having downwardly projecting eyed ears, a clamping lever pivotally connected to the eyed ears, a spring member mounted on the body portion and extending between the eyed ears, a pivot pin extending through the eyed ears, a clamping lever having one end portion folded over on itself and extending around the pivot pin and forming a shoulder engageable with the spring, the opposite side edge portions of said clamping lever being flanged inwardly and provided with alined openings, and a link member having its end portions extending through the alined openings of the cramping lever and flattened to form shoulders to prevent the withdrawal of said end portions, the looped portion of said link member having a locking engagement with the hook portion of the cover member.

1,503,463. VALVE-ADJUSTMENT DEVICE. ARTHUR J. AMOS and WILLIAM F. VILLIERS, Castlemaine, Victoria, Australia, assignors of one-third to Charles Edmond Cording, Bendigo, Victoria, Australia. Filed Sept. 1, 1921. Serial No. 497,783. 7 Claims. (Cl. 123—90.)



1. A valve tappet mounted for adjustment through a threading movement, a member held against longitudinal movement and coupled for sliding cooperation with the tappet, and means cooperating with said member to produce audible notification of the movement of the member in either direction in that operation of the member tending to turn the tappet.

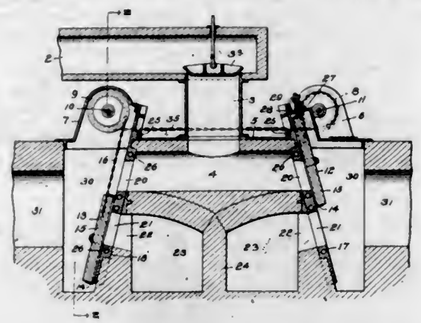
1,503,464. REGENERATIVE-FURNACE CONSTRUCTION. WALTER O. AMSLER, Pittsburgh, Pa. Filed May 21, 1920. Serial No. 383,254. 15 Claims. (Cl. 277—5.)



1. In a reversible regenerative furnace, the combination with gas and air reversing valves, of horizontally disposed fluid passageways disposed adjacent said valves, the communicating fluid passages adjacent the gas valve being so arranged in line with one another and in the same horizontal planes, that the flow of gas through the passages is not deflected from its path of flow in proximity to the valve, and the communicating fluid passages adjacent the air valve being arranged in line with one another and in the same horizontal plane.

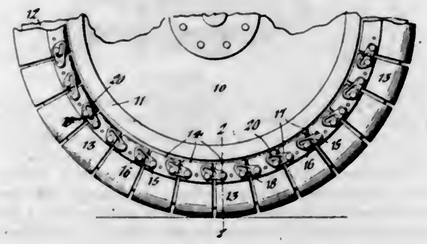
1,503,465. REVERSING VALVE FOR REGENERATIVE FURNACES. WALTER O. AMSLER, Pittsburgh, Pa. Filed May 21, 1920. Serial No. 383,255. 4 Claims. (Cl. 277—6.)

1. In a reversing valve structure, the combination with oppositely disposed gas regenerator flues and a chimney flue disposed within the masonry of a furnace, vertically movable slide valves controlling the passage of gases



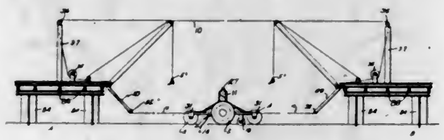
between the regenerator and chimney flue, horizontally disposed ports over which the valves slide, and a baffle wall interposed between said valves.

1,503,466. OVERSHOE FOR TIRES. HERBERT S. BENNETT, Jamestown, N. Y. Filed Dec. 1, 1923. Serial No. 678,024. 8 Claims. (Cl. 152—16.)



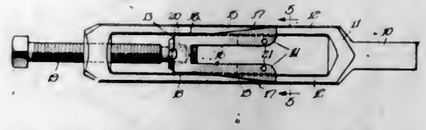
1. An overshoe for tires, comprising a plurality of sections arranged in an annular series about the tire, pivot pins carried by said sections, and links pivotally connecting said sections with one another, each link being permanently mounted on the pivot pin of one section and detachably engaging the opposing pivot pin of an adjoining section.

1,503,467. CABLE-OPERATED PLOW. ARMANDO BERTELLA, Detroit, Mich. Filed May 25, 1923. Serial No. 641,370. 6 Claims. (Cl. 104—169.)



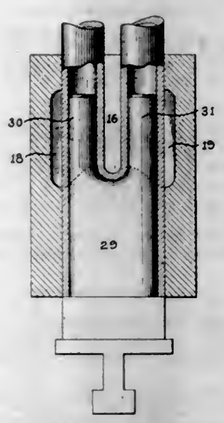
1. In a cable operated plow, a pair of draft machines adapted to draw the plow therebetween each comprising a subframe provided with driving wheels, means for driving the wheels, a table rotatably mounted on each subframe, a drum rotatably mounted upon each table, means for rotating the table or drum independently, a subframe for the plow mounted on wheels, a cable connecting the two drums and being wound thereabout, the ends of the cable passing from the drums and being connected to the subframe of the plow, means carried by the plow for taking up the slack in the cable between the draft machines, a frame rotatably mounted on the subframe and carrying a series of plows, and means connecting the plow frame and subframe of the plow whereby raising of the plow frame and subsequent lowering thereof turns the same about on the subframe of the plow.

1,503,468. SLACK-ADJUSTER MECHANISM. LAWRENCE W. BIEKER, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 3, 1922. Serial No. 572,372. 4 Claims. (Cl. 188—197.)



2. A slack adjuster including, in combination, an adjuster jaw, and an adjuster block having arms with flanges which cooperate with said jaw for maintaining said block in position with respect to said jaw, said arms being movable into one position to permit passage of one of said flanges during the application of said block to said jaw and said arms being movable into another position to place the flanges into cooperative association with said jaw.

1,503,469. METHOD OF AND APPARATUS FOR FORGING MANIFOLDS ON PIPES. THOMAS F. BIRMINGHAM, Hammond, Ind., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1922. Serial No. 538,278. 10 Claims. (Cl. 29—157.6.)

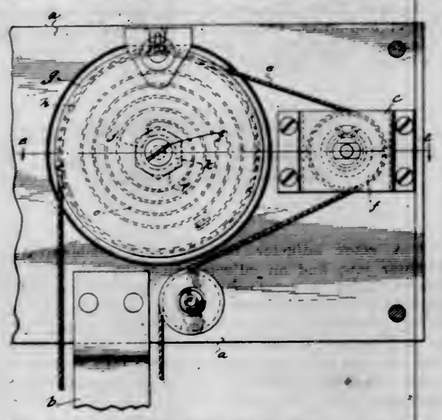


1. The process of forming manifolds on pipes which comprises clamping a plurality of pipes so that they lie at the corners of a polygon, heating the pipe ends, splitting each pipe for a distance from its end, bending outward portions adjacent to the slits until they lie in the sides of the polygon edges of one pipe engaging those of the two adjacent ones, and welding together the engaging edges.

5. A die for forming manifolds on pipes, comprising a female and a male member, said female member having a plurality of spaces, adapted to receive pipes to be operated on, arranged at the vertices of a polygon, there being a cavity bounded by planes tangent to the spaces extending from one end of the female member, the male

member having a body portion and legs shaped generally complementary to the cavity and spaces of the female member but being smaller, so that when it is inserted in it it is spaced everywhere from its walls.

1,503,470. WINDOW-REGULATOR BEARING. ALBERT BIRÓ and ERNEST E. HEINTZ, Detroit, Mich. Filed Aug. 27, 1923. Serial No. 659,401. 8 Claims. (Cl. 64—66.)



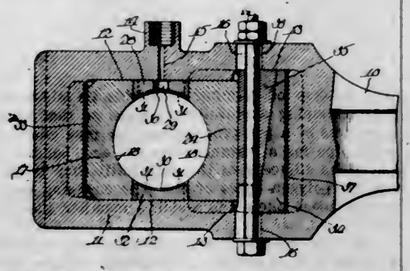
1. In a window regulator bearing, the combination of a plate, a stud secured therein provided with a hollow open end forming a journal bearing, a rotatable member having a cup-like journal adapted to fit into the hollow of the stud, and means passing through the center of the journal and anchored in the journal bearing for tying the two together for permitting them to rotate, one in the other.

1,503,471. SAFETY-RAZOR-BLADE STROPPER. WILLIAM M. BRECK, Cleveland, Ohio. Filed Apr. 24, 1922. Serial No. 556,238. 6 Claims. (Cl. 51—153.)



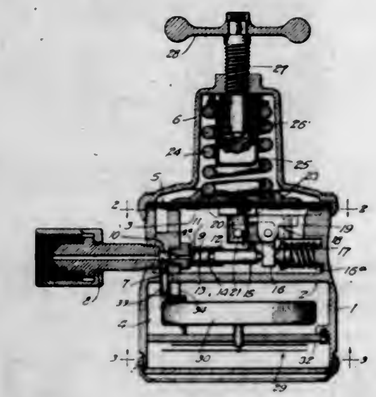
3. A stropping device having a supporting portion engageable between the blade clamping plates of a safety razor.

1,503,472. ROD BRASS. ELMER J. BREWSTER and JOHN MURRIN, Chicago, Ill. Filed Nov. 19, 1923. Serial No. 675,528. 4 Claims. (Cl. 64—55.)



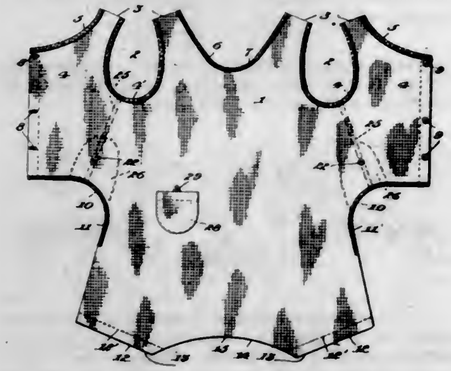
1. A rod brass consisting of a frame carried by the rod and four independently movable sections interlocking with one another and located within said frame, two of said sections being spaced from each other and arranged in longitudinal relation with respect to the said rod and the other two of said sections being spaced from one another and interposed between the adjacent surfaces of the two first named sections, each of said sections having an arcuate inner face, and said four sections having co-acting faces disposed at right angles to the planes of their outer contiguous surfaces.

1,503,473. PRESSURE REGULATOR. JOHN B. BURDETT, Highland Park, Ill. Filed Apr. 19, 1923. Serial No. 633,243. 8 Claims. (Cl. 50—23.)



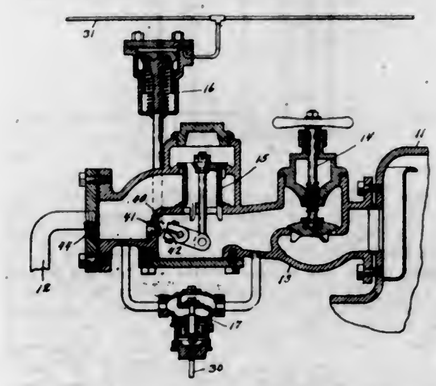
1. In a pressure regulator, the combination of a housing having a transverse partition forming two chambers within the housing, one of said chambers constituting the pressure chamber and having a passage leading into it, and regulator pressure-indicating mechanism mounted in the other chamber and having a tube connection leading through the partition to the inlet passage and a tube connection leading through the partition to the pressure chamber.

1,503,474. CHILD'S COMBINATION UNDERGARMENT. FANNY BUSENBURG, Pine Bluff, Ark. Filed Sept. 10, 1923. Serial No. 661,924. 3 Claims. (Cl. 2—80.)



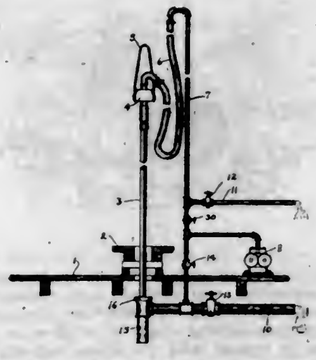
1. A child's undergarment, comprising a single piece front cut out in its upper edge with a central neck opening 6 and cut out at opposite sides thereof, as at 2—2, to form the pairs of shoulder strap extensions 3—3; each pair of extensions being joined to form shoulder straps, integral back forming extensions 4—4 at opposite sides of said front curved on their upper edges to correspond with the central neck opening and at their lower edges extending inwardly to the narrower lower portion of said front portion; the narrower lower portion of the front extending down to form leg portions, and inclined inwardly to a curved crotch portion, and a seat secured at its lower crotch forming curve to the crotch portion of the front and secured along a portion of its sides to the sides of the lower portion of said front portion to form leg openings, a wtistband on the upper drop portion of the seat member, and suitable fastenings for the back forming extensions and the waistband.

1,503,475. LOCOMOTIVE BOOSTER SYSTEM. FRANCIS J. CARTY, Roxbury, Mass., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed June 6, 1923. Serial No. 643,668. 13 Claims. (Cl. 105—48.)



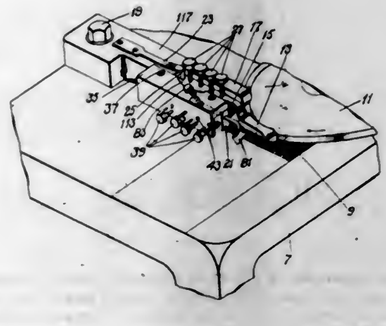
1. The combination with a locomotive booster engine and a throttle valve therefor, of means continually operative when supplied with steam to admit heating steam to said engine, and hand-operated means to control simultaneously the supply of steam to said continually-operative means and to said throttle valve.

1,503,476. APPARATUS FOR WELL DRILLING. WILLIAM L. CHILDS and LOUIS A. GODBOLD, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed May 24, 1921. Serial No. 472,114. 4 Claims. (Cl. 255—24.)



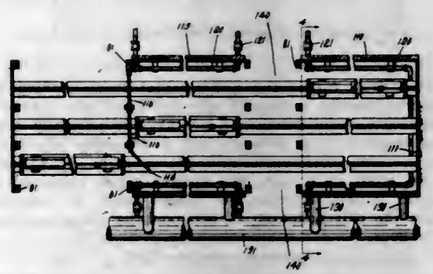
1. In a drilling apparatus the combination of a well casing, a drill stem rotatable therein and having a fluid tight fit with the upper end thereof, a pump, a connecting pipe between said pump and said casing, another connecting pipe between said drill stem and said pump, a valve controlled outlet in each of said pipes and further valves in said pipes whereby the fluid may be circulated from said pump through said drill stem in either direction for the purpose described.

1,503,477. SKIVING MACHINE. FRANK W. CHRISTY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 24, 1923. Serial No. 659,173. 9 Claims. (Cl. 69—16.)



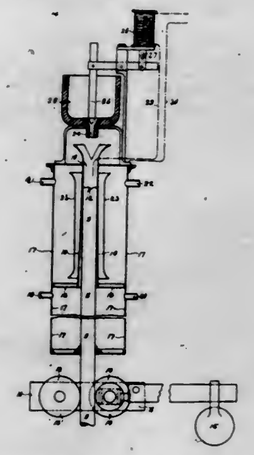
9. A machine of the class described having, in combination, a rotary disk knife, a cylindrical feed roll, an angularly adjustable presser-foot adapted to hold the work against the roll and by its position to determine the character of the scarf produced, a spring tending at all times to move the foot toward one limit of its adjustment, and a plurality of stops any one of which may be rendered operative to determine the position in which the foot shall be held by the spring.

1,503,478. APPARATUS FOR DOPING AIRPLANE WINGS. FRANK O. CLEMENTS, Dayton, Ohio, assignor, by mesne assignments, to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 28, 1918. Serial No. 251,760. 3 Claims. (Cl. 24—40.)



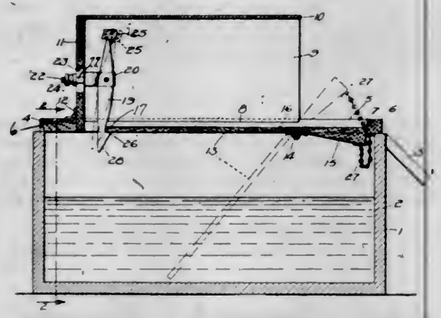
1. In an apparatus for doping the fabric covering of airplane parts, a track; a frame slidably mounted on said track and adapted for carrying therein the part to be doped; and a plurality of booths surrounding said track, each booth adapted to receive and completely house the frame.

1,503,479. PROCESS AND APPARATUS FOR THE CONTINUOUS CASTING OF RODS, BARS, AND THE LIKE. ALLAN COATS, Castlehead, Paisley, Scotland. Filed Dec. 2, 1919. Serial No. 341,918. 32 Claims. (Cl. 207—11.)



1. In apparatus of the class described, the combination of a mold, and means for pouring molten metal into said mold in a stream between the middle of the mold and its wall and adjacent the latter.

1,503,480. TRAP. ALLEN B. COBBS, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,524. 4 Claims. (Cl. 43—70.)

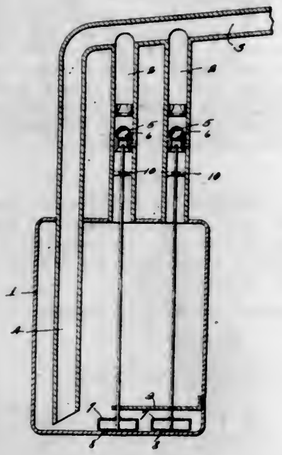


1. A trap comprising a horizontal frame having an opening therein, a gravity operated trap door pivotally mounted on said frame and arranged to normally close said opening from beneath, and a vertically adjustable trigger supported upon said frame arranged to normally latch said door, said trigger being fashioned to receive a bait, whereby the trigger may be actuated when the bait is moved to occasion the release of said trap door.

1,503,481. PROCESS OF FORMING SODIUM CARBONATE. HERBERT EDWIN COCKSEDGE, Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed Oct. 31, 1922. Serial No. 598,121. 7 Claims. (Cl. 23—22.)

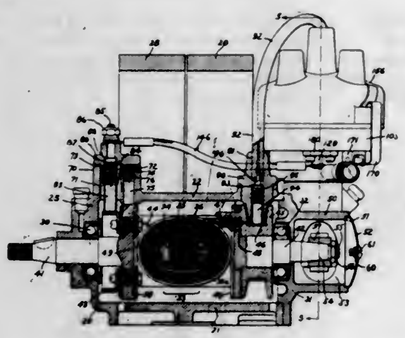
1. The process of forming sodium carbonate which consists in heating a compound having the formula $Na_2CO_3.3NaHCO_3$ at a temperature above 100° C.

1,503,482. VALVE MECHANISM FOR REFRIGERATING APPARATUS. FERNAN O. CONILL, Marseille, France. Filed Nov. 1, 1921. Serial No. 512,082. 10 Claims. (Cl. 62—120.)



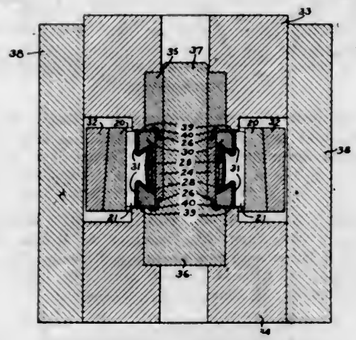
2. The combination of a closed receptacle for a gas held in solution and releasable by heating the receptacle, an outlet for the gas, a valve for controlling said outlet, and means in the receptacle and operable by the pressure of the gas released during the heating to open the valve, said means comprising a pocket in the receptacle for receiving a portion of the solution, the pocket being movable by the pressure of the gas evolved therein, and connections between the movable pocket and the valve for transmitting the motion of the pocket to the valve, substantially as and for the purpose specified.

1,503,483. MAGNETO. OLIVER F. CONKLIN and JOHN A. VANNEMAN, Anderson, Ind., assignors to The Remy Electric Company, a Corporation of Indiana. Filed Dec. 17, 1919. Serial No. 345,580. 7 Claims. (Cl. 123—149.)



1. In a magneto, the combination with field magnets and an armature; of a magneto frame of conducting material supporting said magnets and armature; collector rings supported by said armature and connected with the windings thereof; collector brushes; a conducting member in contact with the frame and attached to one of the brushes; a non-conducting member supporting the other brush upon the frame; and common securing provisions for both said means.

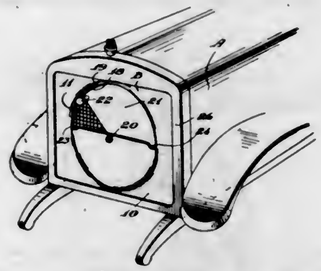
1,503,484. COMMUTATOR AND PROCESS OF MANUFACTURE. OLIVER F. CONKLIN, Anderson, Ind., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed Aug. 23, 1920. Serial No. 405,438. 8 Claims. (Cl. 29—155.5.)



1. The method of making commutators which comprises assembling an annulus of commutator bars, a hollow core located centrally of the annulus, and independently movable clamping rings located on the core and adapted to engage the annulus of bars; applying pressure initially directly to the clamping rings to force them against the annulus while centering the core with respect to the annulus and rings so that the ends of the core extend the same distance outside the rings; then applying pressure to the ends of the core to cause the end edges of the core to flare outwardly and finally to be bent reversely back against the outsides of the clamping rings, the direct pressure against the clamping rings being removed as the said reverse flare against the clamping rings begins.

8. A commutator comprising an annulus of commutator bars separated by nonconducting members, clamping rings bearing against the sides of the bars and a central hollow core having relatively thin end edges reversely curled back against the clamping rings, and having an intermediate portion which is relatively thick, said intermediate portion being broached or internally knurled to provide for driving engagement with a shaft.

1,503,485. AUTOMOBILE RADIATOR SHIELD. ERNEST CONLEY, Sherbrooke, Quebec, Canada. Filed Feb. 4, 1922. Serial No. 534,206. 1 Claim. (Cl. 257—132.)



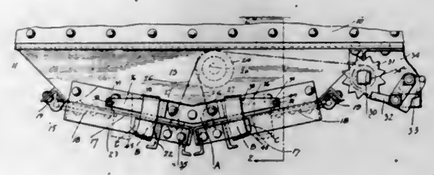
An automobile radiator shield comprising a substantially rectangular plate formed with peripheral offset edges engaging the radiator head, a circular bulge projecting from the centre of the plate and formed with a semi-circular opening, a semi-circular closing element mounted in the circular projection to close the opening, an operating knob on the closing element, and notches in the plate to house the knob.

1,503,486. REFRIGERATOR-DOOR CONSTRUCTION. LLOYD G. COPEMAN, Flint, Mich. Filed June 25, 1923. Serial No. 647,598. 5 Claims. (Cl. 72—97.)



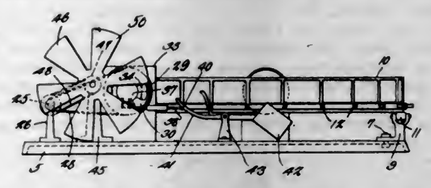
1. In a refrigerator construction, a door lining in the form of a hollow tile block provided with a drip flange.

1,503,487. CAR-DOOR-LOCKING DEVICE. MILLARD FILLMORE COX, Louisville, Ky. Filed Apr. 30, 1923. Serial No. 635,474. 10 Claims. (Cl. 105—308.)



10. In a railway car including a body and a plurality of transverse dumping doors pivoted thereto and meeting with their free edges adjacent each other, the combination with a bracket secured to the car body centrally between the doors, said bracket being provided with outwardly extending opposite runways spaced from the car body; of means for securing the outer ends of the runways to the side of the car body and holding them in spaced relation thereto; a bracket secured to the side of each door, said bracket being provided with an over-hanging portion spaced from the door and in alinement with the adjacent runway, said overhanging portion being provided with a beveled end; and a link movable on the runway, said link being provided with vertical walls on opposite sides of the runway, and upper inclined wall engaging the runway and a lower inclined wall adapted to engage the lower edge of the door bracket when the link is moved towards the free edge of the door to thereby force the door to closed position, and positively hold the same closed.

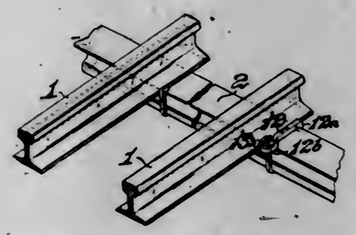
1,503,488. DISPLAY DEVICE. THOMAS G. CRAVER, Mount Hope, W. Va., assignor of one-fourth to M. L. Parker, Mount Hope, W. Va., and one-fourth to Lem Douglas, Scarbro, W. Va. Filed Apr. 1, 1922. Serial No. 548,734. 3 Claims. (Cl. 88—27.)



1. In a device of the class described, a pair of associated distinct projecting apparatus, a rotatable carriage for carrying slides, operating adjacent to one of the projecting apparatus to display matter contained on the slides supported by the carriage, said projecting

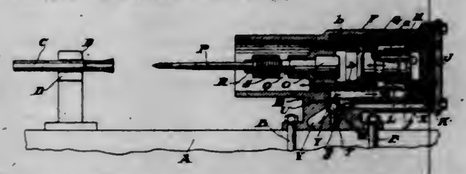
apparatus being focused to a common area, a stationary plate disposed before one projecting apparatus, and having a line of openings, means for closing the openings of the plate intermittently, and a shutter mechanism operated by the movement of the carriage.

1,503,489. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed Aug. 17, 1923. Serial No. 657,945. 5 Claims. (Cl. 238—314.)



1. A track fastener, for use with ties formed from old rails or of analogous section, comprising a retainer member extending across the tie on one side of the rail and having a recessed portion to receive the rail flange; a combined retainer member and tie-engaging bar, shaped to engage under a part of the tie, and having a portion resting on the top thereof, on the other side of the rail, and having an end engaged with an end of said retainer member; and means for clamping said ends together to secure the fastener to the tie.

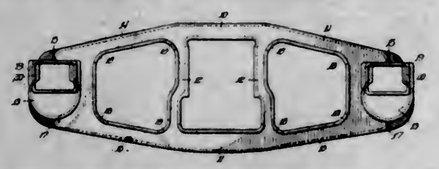
1,503,490. SHANK AND BIT PUNCH. JESSE DITSON and ARTHUR E. PETERS, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 6, 1921. Serial No. 435,477. 4 Claims. (Cl. 76—5.)



1. In a shank and bit punch, the combination with a drill steel clamp of a pin punch for opening the bore of a drill steel placed in the clamp, a stationary casing, a hammer cylinder having a plunger head and movable forwardly and rearwardly in said casing by fluid pressure for advancing the punch toward and withdrawing it away from the clamp, a fluid actuated piston hammer in said cylinder for delivering repeated blows to the punch when engaged in the bore of the drill steel, a passageway through said cylinder into said casing forwardly of said plunger head to conduct motive fluid into said cylinder, and a valve for distributing motive fluid to the casing both behind and in front of said plunger head during the movement of the hammer cylinder in one direction while constantly supplying motive fluid to actuate the piston hammer to cause it to automatically deliver such repeated blows in rapid succession on both the forward and rearward movements of the hammer cylinder.

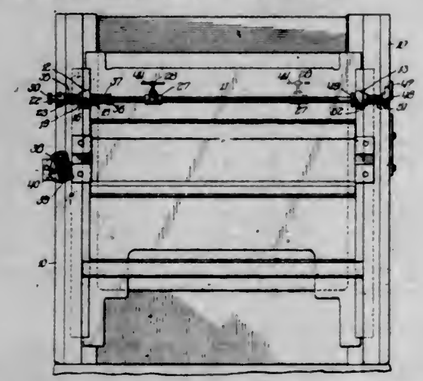
1,503,491. TRUCK SIDE FRAME. HARRY E. DOERR, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 9, 1922. Serial No. 593,225. 4 Claims. (Cl. 105—205.)

1. A side frame including upper and lower members and journal boxes all cast integrally, said upper and lower members respectively joining said journal box at the upper and lower points thereof along the transverse



vertical center line whereby strains incident to cooling in the mold will be equally distributed between said upper and lower members.

1,503,492. SIDE-GUIDE MECHANISM. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,610. 18 Claims. (Cl. 271—59.)



1. In a printing press, the combination of a member extending across the printing press, a sheet engaging side register member mounted thereon, and means for giving said sheet engaging member a lateral movement against a side edge of a sheet for side registering the sheet of material at either side of the press.

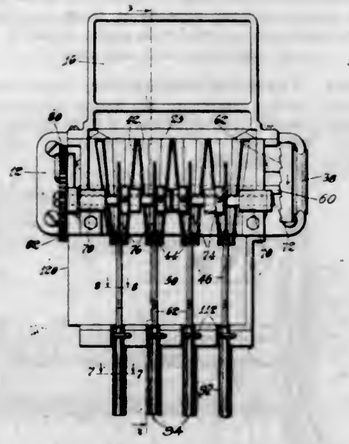
1,503,493. CHILD'S SWING. JAMES M. EIFFE, Fultonville, N. Y., assignor to White Mop Wringer Company, Fultonville, N. Y., a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,830. 2 Claims. (Cl. 155—58.)



1. In a device of the character described, a hoop-shaped frame having its ends bent downwardly to form a shoulder and thence horizontally toward each other, a seat

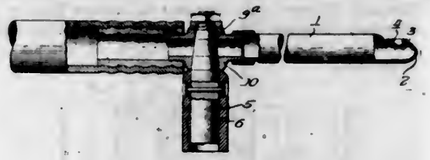
located within the hooped shaped frame notched to receive the dowawardly extended ends of the frame and resting upon the horizontally disposed portions of the frame to which it is secured, an arcuate transverse member secured to the opposite walls of the hoop-shaped frame, a pair of upright members having their lower ends secured to the underside of the seat and their upper ends attached to the transverse arcuate member and means for suspending the hoop-shaped member from a suitable support.

1,503,494. FEEDING APPARATUS. WILLIAM E. ELLIOTT, Grand Rapids, Mich., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Aug. 18, 1919. Serial No. 318,287. 20 Claims. (Cl. 1—3.)



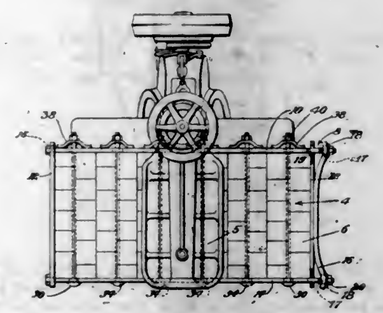
12. In a feeding apparatus, a plurality of chutes situated side by side, means for vibrating the chutes laterally, means common to the chutes for supplying staples thereto, and a plurality of raceways fixed against movement and to which the chutes deliver.

1,503,495. BOILER-WASHING NOZZLE. EDWARD FRANCIS FOLLIN, Great Falls, Mont. Filed Mar. 23, 1922. Serial No. 545,966. 2 Claims. (Cl. 122—405.)



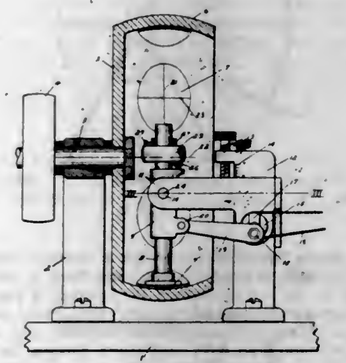
1. A boiler washing nozzle, comprising a tubular member adapted for intrusion through the washout plug opening of a boiler and having a lateral discharge orifice at its intruded end, and longitudinal and transverse handles on said nozzle in rear of the intruding portion thereof; said discharge orifice comprising a delivery nipple; and the intruded end of the nozzle having a flattened wall in which said nipple is inserted; the overall dimensions of the intruded portion of the nozzle including the nipple being less than the diameter of such an opening.

1,503,496. CUTTING BLOCK. WILLIAM R. FORSYTH, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 23, 1923. Serial No. 634,106. 14 Claims. (Cl. 164—58.)



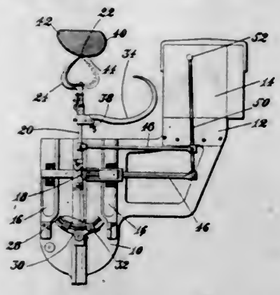
1. A clamping frame for a cutting block comprising interconnected side and end clamping members for exerting pressure on the block in directions both longitudinally and transversely of the block, and spring members for applyig yielding pressure upon all sides of the block.

1,503,497. LENS-GRINDING MACHINE. ANNA ESTELLE GLANCY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 3, 1922. Serial No. 572,755. 3 Claims. (Cl. 51—55.)



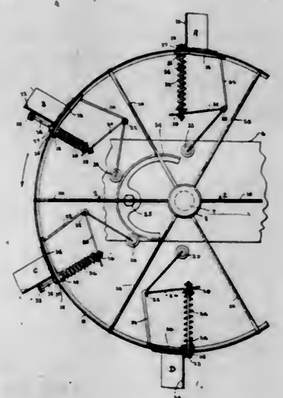
1. In a machine of the character described, the combination with a rotatable wheel having a flange laterally extending therefrom and adapted to receive a plurality of lenses on its inner periphery, a bracket arranged in proximity to the wheel and having a portion extending within the flange portion, a pivoted sleeve carried by the bracket, a rotatable shaft carried by the sleeve, a lens surfacing tool carried by one end of the rotatable shaft, means to rotate the shaft, a pitman connected to the sleeve, and means to drive the pitman whereby to oscillate the sleeve and rotatable shaft therein transversely of the flange, and means to rotate the wheel and flange.

1,503,498. LAST-MEASURING MACHINE. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 17, 1918. Serial No. 254,413. 27 Claims. (Cl. 33—122.)



1. A mechanical integrator having a plurality of relatively movable tracer arms, each carrying a tracing point, means for mounting the arms so that they are arranged to have their tracing points simultaneously at the same operative position when desired, to facilitate the interchange of tracing arms during an operation.

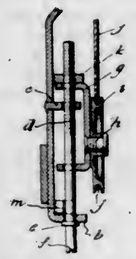
1,503,499. TRACTION-WHEEL-TOOTH-CLEANING DEVICE. FRANK M. HEINIG, Watertown, Wis. Filed Nov. 6, 1922. Serial No. 599,454. 1 Claim. (Cl. 301—144.)



The herein described device for a traction wheel having an opening through its rim, comprising a fixed tooth secured to the rim juxtaposed the opening, a plate member movable radially along the face of said fixed tooth and having a shank portion passing through said opening, means in connection with said shank portion for moving said plate member inwardly, and cam means for moving said plate member outwardly, said first mentioned plate moving means comprising a spring coiled about said shank portion and a crank connected to said shank and having a roller on one end which rides along the edge of said cam means.

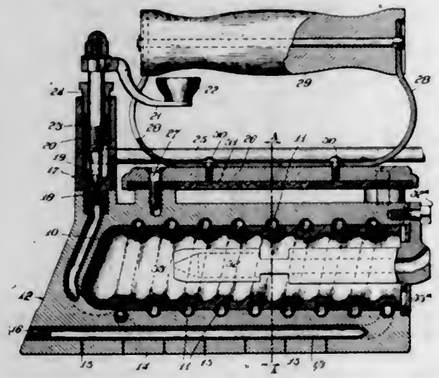
1,503,500. WINDOW-REGULATOR WHEEL BEARING. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 27, 1923. Serial No. 659,450. 5 Claims. (Cl. 64—52.)

1. In a window regulator wheel bearing, the combination of a supporting member, a vertical spindle provided with an abutment fixable at various points along the supporting member, a bracket supported on the spindle to rock on a vertical axis, a wheel rotatably supported on the bracket, and a linear member running over the wheel,



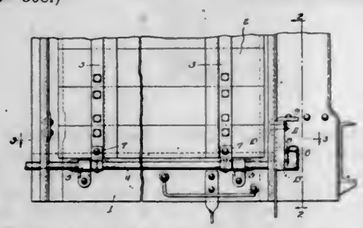
said bracket being arranged to be abutted by the abutment of the spindle for the purpose of tensioning the linear member and positively hold it in such position of tension.

1,503,501. PRESSING IMPLEMENT. LOUIS HOFFMAN, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company, a Corporation of Delaware. Filed Mar. 1, 1920. Serial No. 362,624. 7 Claims. (Cl. 68—26.)



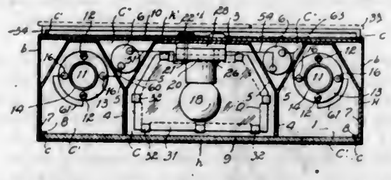
1. A moistening and pressing implement comprising, in combination, a metal core, tubing surrounding said core, and a body of cast metal in which said core and tubing are embedded, said tubing being provided with a discharge opening to direct moisture to the material being pressed.

1,503,502. DOOR-CONTROLLING MEANS. WILLIAM J. HOSCEIT, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed June 19, 1922. Serial No. 569,296. 8 Claims. (Cl. 105—308.)



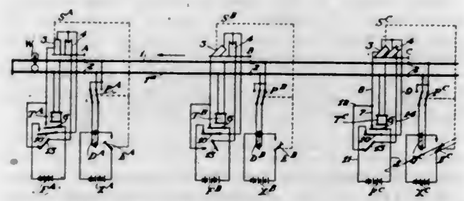
1. A dump car having side swinging doors, an operating rod provided with means for forcing said doors to closed position, said operating rod being provided with abutment means, and a sliding wedge member cooperating with said abutment means to hold said abutment means.

1,503,503. AUTOMOBILE SIGNAL. JULIUS JAMETON, St. Louis, Mo. Filed Feb. 25, 1922. Serial No. 539,172. 1 Claim. (Cl. 177—329.)



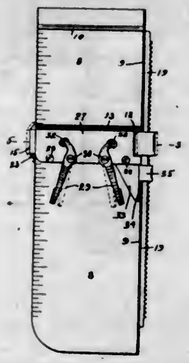
A signal device for automobiles comprising a housing having a detachable bottom, a partition member in said housing, said member being bent so as to divide the housing into three compartments, a pair of lamps in the center compartment, said lamps being mounted on the partition member, a lamp in each outer compartment, a translucent panel in one wall of the housing, and a colored partition interposed between one lamp in the center compartment and the translucent panel.

1,503,504. RAILWAY SIGNALING. IRA K. JOHNSON, Caldwell, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 23, 1920. Serial No. 405,366. 12 Claims. (Cl. 246—45.)



9. In combination, a track circuit including a source of current and a polarized relay, means for reversing the polarity of the current supplied to said track circuit by said source, means for increasing the voltage applied to said track circuit when said reversing means is operated, and a signal controlled by said relay.

1,503,505. PRINTER'S STICK. JOHN H. JONES, Sioux City, Iowa. Filed June 23, 1923. Serial No. 647,317. 4 Claims. (Cl. 276—39.)



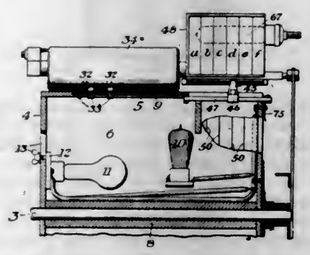
2. A printer's stick embodying a floor having flanged and unflanged edges, a rack on the outer side of the flange, a second rack on the underside of the floor adjacent the unflanged edge thereof, a block mounted upon and movable longitudinally of the floor, a knee carried by the block, toothed detent bars slidably supported by the block and movably toward and from each other to accordingly engage and disengage their teeth from the racks, a yieldable link between the bars holding them normally engaged with the racks, and levers fulcrumed on the block for disengaging the bars from the racks.

1,503,506. PENCIL. CHARLES R. KEERAN, Chicago, Ill. Filed May 4, 1921. Serial No. 466,860. 2 Claims. (Cl. 120—17.)



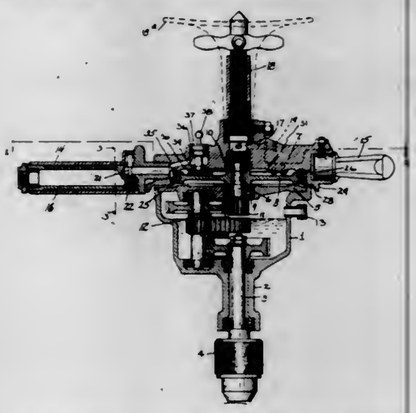
1. A pencil having in its body a longitudinal bore, a toothed plunger slidably arranged within the bore, and means for propelling the plunger comprising a lever pivoted at one end to the body, a leaf spring secured to the opposite end of the lever and extended toward its pivoted end, the free end of the spring being bent upon itself and away from the lever to engage with the plunger whereby it may propel the same with each oscillation of the lever, substantially as described.

1,503,507. PRINTING APPARATUS. MICHAEL J. KOCH and HARRY B. BOOSE, Pittsburgh, Pa. Filed Nov. 15, 1921. Serial No. 515,252. 23 Claims. (Cl. 95—73.)



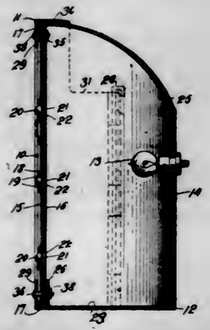
1. In a printing apparatus, a rotating drum having a uniformly curved periphery, means dividing the drum into a series of light compartments each having an exposure opening, an independently regulable light source for each compartment, and a flexible belt extending partly around the periphery of said drum and cooperating with said exposure openings, substantially as described.

1,503,508. FLUID-OPERATED TURBINE ENGINE. GEORGE L. KRABER, Lakewood, Ohio, assignor, by mesne assignments, to The Cleveland Industrial Development Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 24, 1921. Serial No. 439,445. 8 Claims. (Cl. 253—2.)



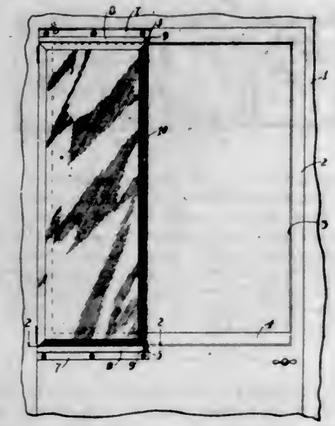
1. In a turbine engine of the character described, the combination of a casing, a rotor mounted therein, and a brake comprising a resilient plate directly co-operative with said rotor to stop same when desired.

1,503,509. AUTOMOBILE LICENSE PLATE AND HOLDER THEREFOR. WILLIAM KRAMER, New York, N. Y., assignor to Spot-Light License Plate and Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed May 11, 1923. Serial No. 638,210. 5 Claims. (Cl. 40—133.)



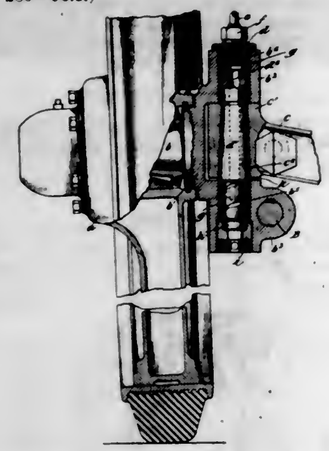
1. A license plate and holder therefor for automobiles and the like, said plate being oblong and bearing the necessary license numerals in conspicuous permanent outlines and said numerals each being closely apertured by a single row of holes, said plate being solid except at said apertures defining the numerals and the general face of said plate and that of said numerals having contrasting colors, and said numerals being embossed forwardly and forming a recess or chamber behind them, and a series of glass eyes having convex forward portions projecting through said apertures and themselves defining the same numerals, said eyes at their back portions being seated in said recesses behind the numerals and closely engaging the edges of the apertures in the numerals, and said holder being secured to said plate and having a chamber at the back thereof containing an electric lamp bulb and a reflector.

1,503,510. WINDSHIELD FOR CLOSED MOTOR CARS. ALBERT S. MARGASON, San Jose, Calif. Filed Aug. 18, 1923. Serial No. 658,154. 1 Claim. (Cl. 296—84.)



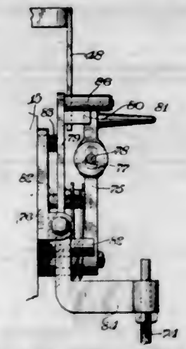
A shield for car windows comprising a pair of brackets, each bracket comprising a triangular portion having a flange turned at right angles thereto along the edge of one leg of the triangle, and means for securing the same to a door, that edge of the element forming the hypothenuse of the triangle being turned at right angles to the normal plane of the element and provided with a groove, and a transparent shield fixedly mounted in the opposing grooves of the two triangular elements.

1,503,511. STEERING KNUCKLE. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 31, 1921. Serial No. 473,814. 1 Claim. (Cl. 280—96.1.)



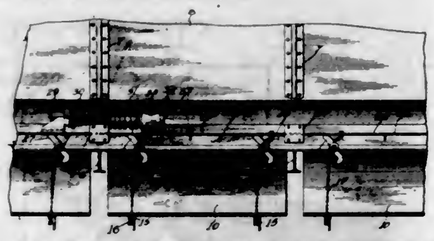
In combination with a steering knuckle and vehicle axle provided with a vertically tapered opening through its end, a tapered knuckle pin passing through the tapered opening and supporting the axle, the steering knuckle being provided in its upper and lower arms with openings for the upper and lower ends of the knuckle pin, a screw threaded adjustably in the lower arm of the knuckle in line with the pin, said screw having a recess in its upper face, a hardened thrust button having parallel upper and lower faces seated horizontally in said recess and presenting an upper bearing surface of substantially the same area as the lower bearing surface of the pin and on which the pin is directly supported.

1,503,512. AUTOMATIC STOP FOR BOTTLE WASHERS. GEORGE J. MEYER, Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Nov. 22, 1915, Serial No. 62,706. Divided and this application filed June 9, 1919. Serial No. 302,883. 4 Claims. (Cl. 192—125.)



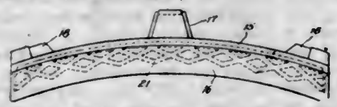
1. A stop mechanism for bottle washing machines and the like, comprising a clutch actuating shouldered rod, a spring pressed arm engaging the shoulder of the rod, a pivotally mounted stop for engaging and holding the arm, means for swinging the stop out of its engagement with the arm, and a dog pivotally mounted on the stop to engage the arm when released by the stop and disengaged from the arm when the stop is returned to its normal position.

1,503,513. CAR CONSTRUCTION. JOHN PEARSON, Chicago, Ill. Filed Dec. 9, 1921. Serial No. 521,118. 11 Claims. (Cl. 105—288.)



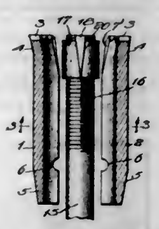
1. In a dump car, a door, means slidably movable on said car for controlling the movement of said door, and a hook pivotally mounted on said car, engageable with said door to hold it in raised position, said slidably movable means positively actuating said hook to its door-engaging position.

1,503,514. BRAKE SHOE. CLIFTON D. PETTIS, New York, N. Y. Filed Dec. 6, 1923. Serial No. 678,793. 19 Claims. (Cl. 188—254.)



3. In a brake shoe, a reinforcing shell comprising a back and side walls, the side walls being of varying thickness.

1,503,515. EXPANSION SHELL. JOHN H. PHILLIPS, Chicago, Ill. Original application filed July 21, 1919, Serial No. 312,243. Patent No. 1,379,210, dated May 24, 1921. Divided and this application filed Feb. 19, 1921. Serial No. 446,373. 5 Claims. (Cl. 85—2.4.)



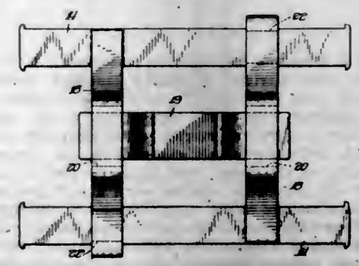
1. An expansion shell of the kind described comprising a tubular body split longitudinally and having wedge-shaped recesses formed at the opposed edges of said split at one end thereof, the sides of said recesses being convergently tapered from the inner to the outer periphery, and cooperating means having wedge-shaped sides and bevelled rearwardly of the outer edges thereof and insertable into said recesses so as to bear against the faces of the side walls thereof and expand said shell.

1,503,516. COLLAPSIBLE CARTON. WILLIAM A. V. PORTER, New York, N. Y., assignor to David Weil's Sons Lithographic Company, Brooklyn, N. Y., a Corporation of New York. Filed May 18, 1920. Serial No. 382,430. 4 Claims. (Cl. 206—44.)



1. A collapsible carton comprising, a bottom panel, side panels, a rear panel, a top panel, said top panel being adapted to act as a complete and substantially flat cover for the carton when in box formation and being also foldable forwardly against the front of the rear panel to expose part of its outer surface forwardly for display purposes, and tongues carried by the side panels adjacent the rear panel for securing said top panel against the front of the rear panel in said folded position.

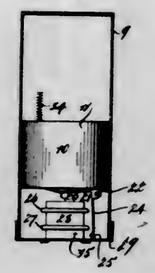
1,503,517. SIX-WHEEL-TRUCK BOLSTER. LAWRENCE RICHARDSON, Louisville, Ky. Filed Aug. 6, 1923. Serial No. 655,828. 7 Claims. (Cl. 105—195.)



1. In a bolster for six-wheel trucks, the combination of a unitary transverse bolster member and longitudinal bolster member, and a second unitary transverse bolster

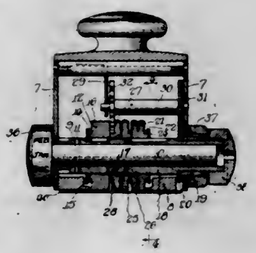
member and longitudinal bolster member, said units being separate and interlocked for giving the required flexure for load equalizing and at the same time minimize the extent to which the truck can get out of square.

1,503,518. SOUND-PRODUCING DEVICE. FRANK G. SCHNEIDER, Brooklyn, N. Y. Filed July 12, 1922. Serial No. 574,417. 4 Claims. (Cl. 46—46.)



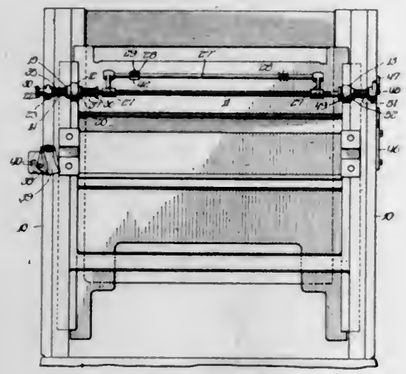
3. In a sound producing device, a casing open at one end, a plunger within same, having an opening at one end thereof and at one side of the center of the plunger, a lever carried by the plunger, a valve operable by the lever to open and close said opening, a cap for the open end of the casing, and means carried by the cap to cooperate with said lever to actuate the valve to close and open said opening alternately, when said plunger moves away from the said cap.

1,503,519. HAND STAMP. MORRIS SHERAS, Chicago, Ill., assignor to A. D. Joslin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 23, 1922. Serial No. 589,981. 6 Claims. (Cl. 101—96.)



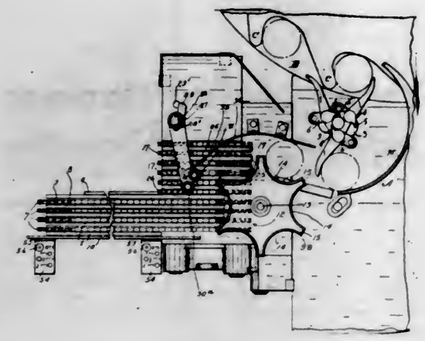
1. In a stamp, a combination comprising a movable housing, type carriers adjustably mounted therein in alignment, said type carriers comprising a middle type carrier together with a left type carrier to the left side thereof and a right type carrier to the right side thereof, adjustable indicator wheels mounted on the exterior of the housing in alignment, said indicator wheels comprising a middle indicator together with a left indicator to the left side thereof and a right indicator to the right side thereof, operable connections joining the middle, left and right indicators respectively with the middle, left and right type carriers, whereby the type carriers may be adjusted by operation of the indicators, and the indicators being provided with legible characters corresponding to the type on their conjoined type carriers.

1,503,520. SIDE-GUIDE MECHANISM. BURT D. STEVENS, Evanston, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,718. 10 Claims. (Cl. 271—59.)



1. In a printing press, the combination of a supporting member, a bar extending across the press and supported from said supporting member and which is adapted to extend completely across a sheet of material being fed for preventing buckling of the latter.

1,503,521. FEEDER FOR BOTTLES AND SIMILAR RECEPTACLES. GUSTAV STRANDT, Milwaukee, Wis., assignor to Milwaukee Dairy Supply Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 15, 1920. Serial No. 396,420. 22 Claims. (Cl. 198—22.)



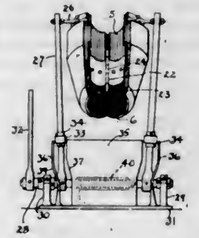
1. A feeder for bottles, including the combination with a rotary star wheel, of a traveling bottle-support for delivering and holding bottles between the arms of the star wheel, a bottle receiving table, a resilient gate regulating the delivery of bottles by the star wheel from the traveling support to the receiving table, a set of revolving arms on said table, each adapted to remove one of the bottles from the star wheel, and means for varying the rate of movement of said arms to pass them between the bottles with a quick stroke, and to engage them while retarded.

1,503,522. EMERGENCY OR AUXILIARY BRAKE. WALTER J. TAYLOR, Detroit, Mich. Filed Oct. 2, 1922. Serial No. 591,902. 11 Claims. (Cl. 188—5.)



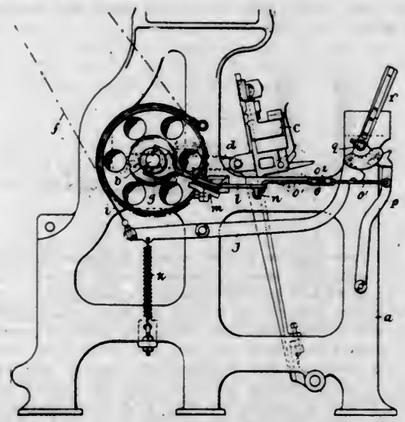
1. In an emergency brake the combination with the frame and spring of a vehicle chassis, of a member secured to said spring, a ground engaging member, means secured to said frame for positioning said ground engaging member, and means for resiliently transmitting stresses from said ground engaging member to said first mentioned member secured to the spring.

1,503,523. PIPE-SUPPORTING SLIP. WILLIAM C. THOMAS, JAMES C. DICKENS, and JESSE W. FOWLER, Houston, Tex. Filed Nov. 19, 1923. Serial No. 675,573. 9 Claims. (Cl. 24—249.)



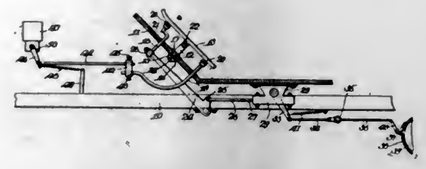
1. In a device of the character described, a pipe gripping means comprising two slips each made up of a plurality of jaws, said jaws being mounted on central arcuate plates, means whereby said slips are hinged together at one end to allow said slips to open, and teeth on said jaws arranged vertically at one end and horizontally at the other end.

1,503,524. CONTROLLER FOR LOOMS. WILLIAM S. WELLS, South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 10, 1923. Serial No. 611,722. 8 Claims. (Cl. 192—17.)



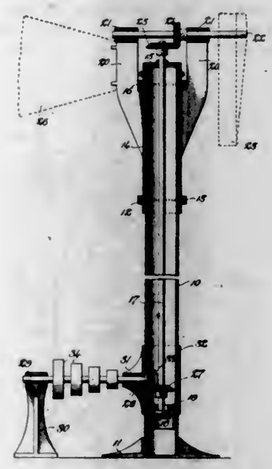
1. A mechanism of the class described including a braking means and a power-controlling means each movable back and forth from one to the other of the on and off positions and one yieldingly held in one and the other yieldingly held in the other of said positions, and a unitary handle movable back and forth and on movement in one direction being adapted to shift each of said means from the position in which it is yieldingly held to the other of said positions, each of the first two means being yieldingly held, independently of the handle, in its said position.

1,503,525. COMBINED ACCELERATOR AND BRAKE CONTROLLING MECHANISM. WILLIAM DAVIS, Chicago, Ill. Filed May 5, 1923. Serial No. 636,950. 2 Claims. (Cl. 74—81.)



1. In a device of the class described, the combination with a supporting standard, of a member tiltably mounted thereon, of controlling rods mounted for back and forth movement with respect to said member on opposite sides of said standard and adapted to be moved in one direction by said tiltable member, a suitably fulcrumed bell crank lever connected near the free end of its longer arm to one of said controlling rods, a cooperating rack bar and pinion mounted adjacent the fulcrum of said lever, a connection uniting the rack bar and the shorter arm of said lever, a crank on the shaft of said pinion, and means operatively connecting the outer portion of said crank to a part to be operated thereby.

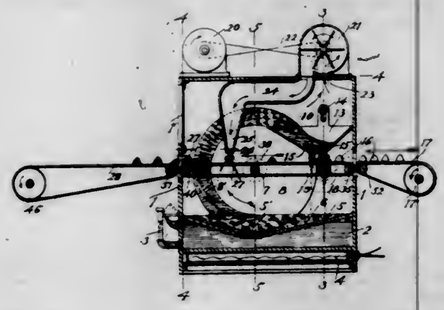
1,503,526. MOUNT FOR WINDMILLS. CONSTANCE DULAK, West, Tex. Filed Oct. 22, 1923. Serial No. 670,118. 3 Claims. (Cl. 170—76.)



1. A mount for windmills comprising a tubular column, a sleeve rotatably mounted on said column, a cap detachably secured on one end of said column and acting to retain said sleeve in assembly therewith, arms extending from said sleeve, a shaft journaled in said arms, a wind wheel on said shaft, a second shaft extending into the column, intermeshing gears on said shafts respectively,

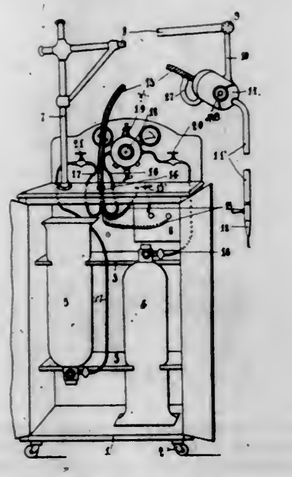
said second mentioned shaft having bearing near one end in said cap and at its other end being supported within the columns and means for transmitting power from said second shaft exteriorly of the column from a point on said shaft within the column.

1,503,527. CHOCOLATE-COATING MACHINE. GEORGE A. DUMAS, Chicopee Falls, Mass. Filed July 10, 1923. Serial No. 650,710. 9 Claims. (Cl. 91—3.)



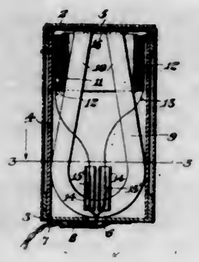
1. In combination, a machine for coating confections, an inclosing casing having a receptacle therein for receiving a coating material, rotatable disks located in the receptacle and having a portion of their opposite surfaces immersed in the coating material, means for rotating the disks, means for removing the coating material only from the sides of the disks, a hopper to receive the removed material, said hopper having a discharge outlet opening, and conveyor mechanisms for receiving the material to be coated, the conveyor which carries the material to be coated being located below the outlet openings of the hopper, and means for actuating the conveyors for removing the coated confections from the machine.

1,503,528. LOCAL ANÆSTHESIS OUTFIT. FRANÇOIS JOSEPH FABRET, Nice, France. Filed June 20, 1922. Serial No. 569,742. 8 Claims. (Cl. 128—257.)



4. Apparatus for producing local anæsthesia, comprising a blow-pipe; a heat-exchanger; a support from which the heat-exchanger is suspended; and separate pipes extending to said heat-exchanger in juxtaposition to each other and leading therefrom to said blow-pipe for supplying to the latter an inert gas and a vaporizable and expansible refrigerant for cooling said gas.

1,503,529. RADIO TELEPHONE RECEIVER. MAX S. FINLEY, Indianapolis, Ind. Filed July 10, 1922. Serial No. 573,967. 1 Claim. (Cl. 179—117.)

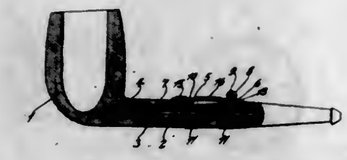


In a telephone receiver a double walled cylindrical casing having its walls arranged in spaced relation, an apertured head for each end of said casing formed with an inwardly extending annular flange inserted between the said walls, a horseshoe magnet secured within said casing, a coil surrounding the poles of said magnet and having the terminal wires thereof passing out through the aperture in one of said heads, a diaphragm secured to and extending across the aperture in the other head, and means for connecting said terminal wires with a receiving set.

1,503,530. PRIMING MIXTURE FOR PROPELLENT EXPLOSIVES. CLARENCE I. B. HENNING, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 16, 1921. Serial No. 478,078. 5 Claims. (Cl. 52—4.)

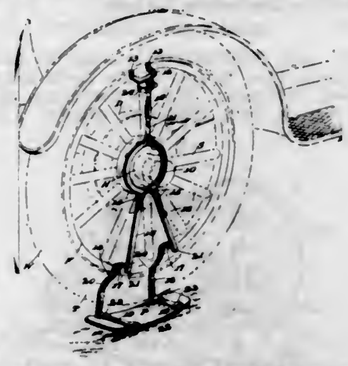
1. An igniting mixture for small arms ammunition containing trinitrobenzene, said mixture being ignited but not detonated when struck lightly, and being adapted to ignite a propellent explosive.

1,503,531. TOBACCO PIPE. FRANK T. HITES, St. Louis, Mo. Filed July 22, 1922. Serial No. 576,753. 3 Claims. (Cl. 131—12.)



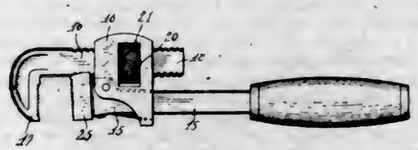
1. In a tobacco pipe, a bowl, a stem in connection with the bowl having a smoke passage opening therethrough from the bowl and having an inclined passage from the smoke passage toward one side of the stem, and a groove in said side of the stem into which the inclined passage opens, a band encircling the stem and being rigid therewith and having a slot therethrough opening into said groove, a longitudinally movable slide for closing said groove, means in connection with said band preventing said slide from turning around the stem and guiding said slide in its longitudinal movements, and a wire in connection with said slide extending through said inclined passage.

1,503,532. LIFTING JACK FOR MOTOR VEHICLES. ABNER L. HOLTON, Big Stone Gap, Va. Filed Nov. 3, 1922. Serial No. 598,832. 14 Claims. (Cl. 254—94.)



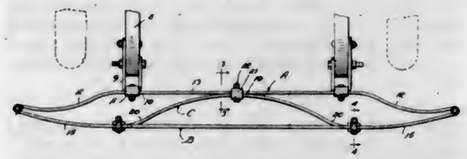
1. In combination, a wheel, a frame adapted to be extended across the full internal diameter of the wheel and having means to effectively engage opposed points of the felly of said wheel, and ground-engaging means carried by one end of the frame adapted to elevate the wheel when said wheel is rotated a predetermined degree.

1,503,533. HAND WRENCH. LUTHER JOHNS, Oak Park, Ill., assignor to Vaughan & Bushness Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 21, 1922. Serial No. 583,122. 1 Claim. (Cl. 81—180.)



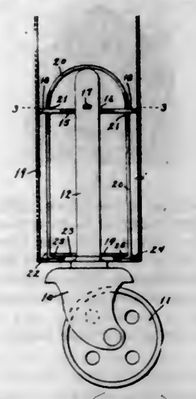
In a wrench of the character described, the combination of a relatively long and rigid body part, a swinging frame pivotally mounted thereon, an adjusting jaw member having a shank portion substantially parallel with the body part mounted in said swinging frame for adjustments in the longitudinal directions of the body part, the adjusting jaw member having a clamping surface substantially opposite the end of the body member, and a jaw member mounted at the work-gripping end of the body part so as to have lateral tilting movements relative to the longitudinal side faces of said body part, the tilting jaw member having a clamping surface opposite the clamping surface of the adjusting jaw member.

1,503,534. BUMPER. WARD M. JONES, Chicago, Ill. Filed Aug. 20, 1923. Serial No. 658,330. 3 Claims. (Cl. 293—55.)



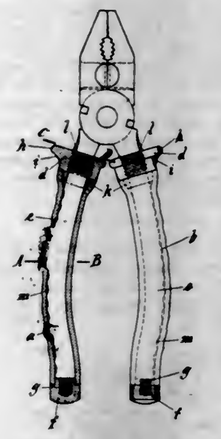
2. In an automobile bumper, an inner member and an outer member in spaced relation and hinged together at the ends, the inner member being a single bar and the outer member being composed of two vertically spaced parallel bars, and a half elliptic spring clamped to the mid-point of the inner member and its ends in slotted engagement with the outer member.

1,503,535. CASTER CENTERING AND RETAINING DEVICE. ROBERT S. KIRKPATRICK, Des Moines, Iowa, assignor to J. B. Ladd, Des Moines, Iowa. Filed June 5, 1922. Serial No. 565,947. 3 Claims. (Cl. 16—39.)



1. The combination with a load object having a cylindrical opening and a caster having a stem of less diameter than said opening, of a centering and retaining device comprising a disk pivotally mounted on said stem and engaging the lower surface of said load object, a spring yoke carried by said disk and embracing said stem and having its closed end resting on the upper end of said stem, said yoke having frictional contact with the walls of said opening, a bearing and spreading plate carried by said yoke and pivoted on said stem at a considerable distance above said disk, and means connected with said stem above said plate to prevent downward movement of said stem relative to said plate.

1,503,536. TOOL INSULATOR SPECIALLY FOR THE HANDLES OF PLIERS AND THE LIKE. GUSTAV KLAUKE, Remscheid, Germany. Filed July 10, 1923. Serial No. 650,726. 1 Claim. (Cl. 16—116.)



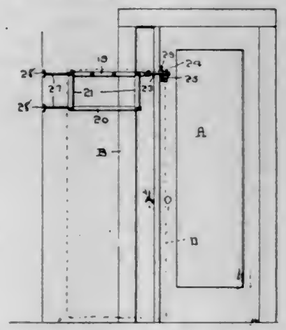
A tool insulating cover for handles of pliers or the like, comprising in combination a rubber sleeve covering the handle, a guard securely attached on the upper end of the handle and having a set off lower end designed to receive the upper end of said sleeve and an ebonite button securely fixed on the lower end of the handle and having a set off upper end designed to receive the lower end of said rubber sleeve.

1,503,537. CAP. DAVID KNOPFLER, New York, N. Y. Filed Nov. 21, 1923. Serial No. 676,172. 2 Claims. (Cl. 2—201.)



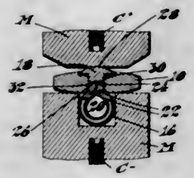
1. A cap comprising a headpiece, side flaps depending therefrom, said flaps adapted to be moved into upper and lower position, the ends of the side flaps when in upper position adapted to be folded over to assume a substantially horizontal position for a portion of their length on said headpiece, and means on said headpiece positioned substantially midway between the apex and base thereof to maintain the ends of said side flaps in folded-over position.

1,503,538. EXTENSIBLE SCREEN. BENJAMIN KUGLER, Chicago, Ill. Filed Apr. 3, 1923. Serial No. 629,580. 2 Claims. (Cl. 156—14.)



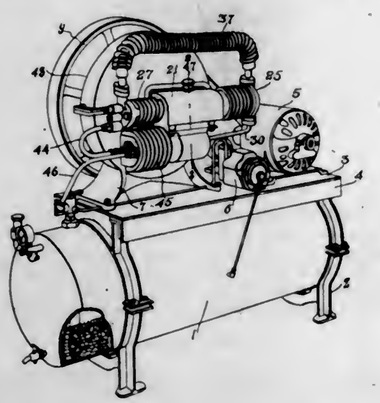
1. A screen for swinging closures comprising a support, a frame formed with spaced, horizontal and vertical members, the ends of each of the horizontal members adjacent the support being formed with openings through which the support is loosely engaged to permit slidable and pivotal movement of the frame relative the support, a link pivotally connected with the remaining end of the uppermost horizontal frame member, and said link being pivotally connected with the closure and adapted to fold upon the frame upon movement of the closure to a closed position.

1,503,539. METHOD OF MAKING BUTTONS. ALBERT LATHAM, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Jan. 9, 1919. Serial No. 270,304. 7 Claims. (Cl. 78—92.)



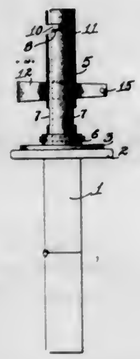
7. The method of making buttons having a body, an eye provided with a double shank extending into the body and a stud co-operating with the shank within the body, which consists in forming the portions of the shank with converging surfaces and the stud with a depression to receive said surfaces, and subjecting the shank portions and stud to pressure and the heating effect of an electric current to join them within the body.

1,503,540. AIR COMPRESSOR. JAMES W. LAWHEAD, Wilmington, Ohio, assignor to The Au-To Compressor Company, Wilmington, Ohio, a Corporation of Ohio. Filed Nov. 20, 1922. Serial No. 602,041. 4 Claims. (Cl. 230—27.)



1. The combination with a cylinder casing having a slot in one side wall, the edges of said slot constituting guides for a guide block, of a guide block mounted in said guides to reciprocate longitudinally of said casing, a housing portion adjacent the casing and having an oil sump therein, a piston reciprocably mounted in said casing, a pin secured to said piston and passing through the guide block to project therefrom, and a rotating cam mounted in said housing and extending into said sump and having a groove wherein said pin engages.

1,503,541. ELECTRODE HOLDER. HENRY THOMAS LINTOTT, South San Francisco, and HENRY JOHN CHARBONNEAU, San Francisco, Calif. Filed Jan. 4, 1923. Serial No. 610,610. 3 Claims. (Cl. 219—14.)



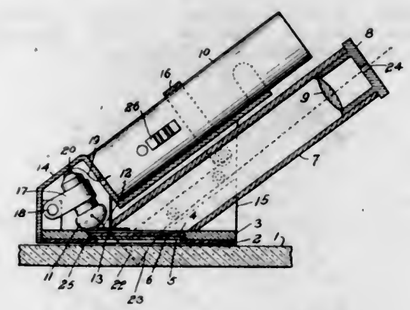
1. In a device of the class described, a hollow tubular member, a slot in said member made to receive an electrode, a pin for clamping the electrode in said slot, and a wedging device for actuating the pin.

1,503,542. MACHINE FOR FEEDING AND DELIVERING TOP LIFTS. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 4, 1919. Serial No. 315,168. 5 Claims. (Cl. 198—33.)



1. In a machine of the character described, the combination of a lift feeding mechanism having a restricted entrance opening of a size and shape to permit a lift to enter only in an edgewise direction, means for separating and transferring lifts from a promiscuous mass and a deflector arranged between the lift separating and transferring means and the lift feeding mechanism, to guide the lifts correctly into the feeding mechanism.

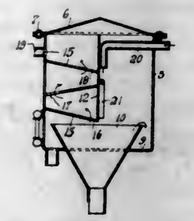
1,503,543. GLASS-THICKNESS GAUGE. WILLIAM ORLAND LYTLE, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Aug. 7, 1923. Serial No. 656,224. 4 Claims. (Cl. 88—14.)



1. In combination, a glass thickness gauge comprising an observation member adapted to be placed with its base upon the plate of glass whose thickness is to be measured, a transparent scale extending transversely of the observation member at its base in parallelism with the surface of the glass plate, an indicating means opposite one end of the scale, and a source of illumination above the indicating means, the relation of the indicating means and scale being such that a beam of light from the source of illumination will pass the indicating means and be reflected upward from the lower surface of said plate onto the scale, showing such means upon the scale.

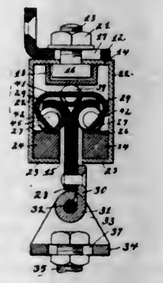
1,503,544. COMBINED SAND AND WATER TRAP. ROBERT J. MAJORS and HARRY ANDERSON, Coalinga, Calif. Filed Oct. 25, 1921. Serial No. 510,348. 8 Claims. (Cl. 210—58.)

1. A combined sand and water trap comprising a tank; means to supply oil into said tank; a partition within said tank extending from side to side and from the top to near the bottom thereof; a plurality of baffles extending from said partition to the side of said tank and being disposed at an angle thereto, said baffles being on the opposite side of said partition to said oil supply, an outlet for the oil above said baffles; a sand receptacle in the bottom of said tank concentric therewith and spaced



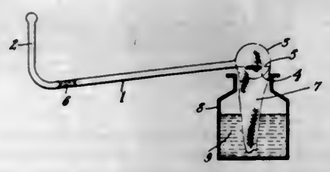
therefrom; an outlet in said receptacle for said sand; a closure for said opening; and an outlet in the bottom of said tank; and a closure for said opening.

1,503,545. DOOR HANGER. FRANCIS J. MEAGHER, New York, N. Y. Filed Nov. 2, 1922, Serial No. 598,615. Renewed June 3, 1924. 5 Claims. (Cl. 16—88.)



1. In a door hanger, a housing having a slot in its bottom, a track within the housing upon opposite sides of said slot, a rail of substantially Y-section with its lower portion extended through said slot, balls interposed between the out-turned portions of said rail and said tracks, and means bridging said out-turned portions and having depending portions serving to retain said balls in place.

1,503,546. METHOD AND APPARATUS FOR OBTAINING REPEATED MOVEMENT OF A LIQUID AND ITS VAPOR. ALAN W. C. MENZIES, Princeton, N. J. Filed Dec. 1, 1920. Serial No. 427,645. 12 Claims. (Cl. 73—151.)

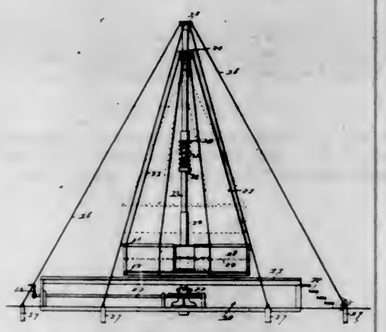


1. An article of manufacture comprising a pair of closed vapor chambers, a tube connecting the same located to permit flow of liquid and vapor between the chambers, a volatile liquid contained therein, means for creating such temperature difference between said chambers as to vaporize the liquid in one chamber and condense the vapor in the other to repeatedly transfer vapor form the vaporizing chamber to the other chamber, and liquid from the latter to the former through said tube.

1,503,547. BRAN FOOD FLAKES. NATHAN MINNEBERG, Minneapolis, Minn. Filed Jan. 12, 1923. Serial No. 612,290. 2 Claims. (Cl. 99—10.)

2. The process of producing bran flakes which consists in providing a plurality of portions of a cereal bran; hydrolyzing said portions to different degrees; making a mixture of said hydrolyzed portions and adding thereto other portions in substantially a raw state; and crisping a mixture of all of said portions to a palatable condition.

1,503,548. AMUSEMENT DEVICE. CHARLES O. MOYER, Lock Haven, Pa. Filed Mar. 18, 1922. Serial No. 544,774. 2 Claims. (Cl. 46—27.)



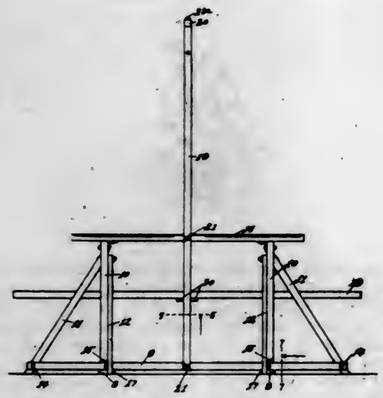
2. An amusement device having a vertically revoluble mast and means for communicating revoluble movement thereto, a car revolubly mounted concentric with and independently of the mast and provided with an upstanding sleeve surrounding the mast for sliding and rotary movement thereon, a cushioning device carried by the mast for impact with the extremity of the sleeve, said cushioning device comprising an upper fixed collar and a lower movable collar slidable longitudinally of the mast, and a compression spring interposed between said collars and having terminal engagement therewith.

1,503,549. APPARATUS FOR COOKING PULP-MAKING FIBERS. TREADWAY B. MUNROE, Forest Glen, Md., assignor to C. F. Dahlberg, New Orleans, La. Filed Dec. 3, 1921, Serial No. 519,747. Renewed June 20, 1924. 7 Claims. (Cl. 92—7.)



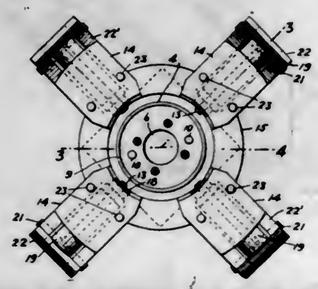
1. In an apparatus for continuously preparing vegetable fibers the combination of a tank open to the atmosphere adapted to receive and hold said fibers and a solution capable of reacting thereon; a second tank comprising an open ended drum, adapted to receive said solution and fibers from said first tank; means comprising a travelling foraminous surface adapted to transfer said fibers from said first to said second tanks; means for heating said second tank; means for separating said fibers from said solution; means for returning said solution to said second tank; and means also open to the atmosphere associated with said tanks adapted to wash any surplus solution from said fibers, substantially as described.

1,503,550. GYMNASTIC APPARATUS. IRA R. NELSON and FREDERICK W. LAMBIE, Minneapolis, Minn. Filed Aug. 20, 1921, Serial No. 493,987. Renewed June 16, 1924. 5 Claims. (Cl. 46—69.)



1. An apparatus of the class described comprising, a pair of transverse base members, side frames, secured to said base members, said side frames having parallel bars at their upper ends a vertical frame secured to said side frames, and consisting of a pair of uprights and a cross beam connecting their upper ends.

1,503,551. BAND-PUNCHING MACHINE. BUDD G. NICE, Ogontz, Pa. Filed Jan. 23, 1923. Serial No. 614,360. 4 Claims. (Cl. 164—90.)

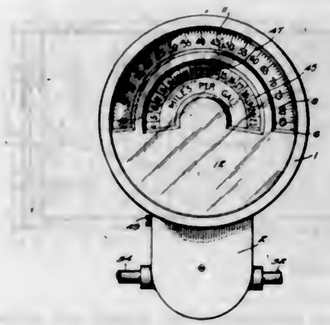


1. A band punching machine comprising in combination a tubular plug having radially arranged dies provided through its curved wall, a knock-out normally spring projecting from the top of the plug, radially arranged punches aligned with the dies and retractable to permit of the application of the flange of a band to the knock-out, radially arranged rocking levers having one of their arms disposed for co-operation with the punches and the other of their arms extended inwards, endwise movable pins co-operating with the last named ends of the levers and projecting inwards, springs for positioning the pins and punches, and a reciprocating head provided with a spring pressed pad adapted to contact with the flange of a band prior to contact with the head of the pins.

1,503,552. MILES-PER-GALLON REGISTER. THOMAS L. PARKER, Wibaux, Mont. Filed Apr. 3, 1922. Serial No. 549,178. 6 Claims. (Cl. 235—1.)

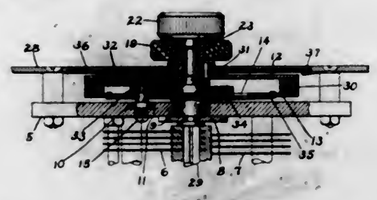
1. In a device of the character described, a speedometer casing having an extension forming a meter casing, an indicating member arranged in said casing and connected to the vehicle to vary its position according to

the speed of the vehicle, a disk mounted adjacent said indicating member, said disk being provided with suitable indicia to indicate mileage per unit of fuel consumed, a rotatably mounted element arranged in said



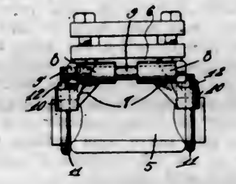
meter casing and adapted to alter its position according to the flow of fuel through said casing, a spring adapted to normally retain said disk in a zero indicating position, and connections between said rotatably mounted element and said disk to vary the position of said disk.

1,503,553. ELECTRICAL CONDENSER. EDWIN L. POWELL, Washington, D. C. Filed Aug. 5, 1922. Serial No. 579,901. 3 Claims. (Cl. 74—7.)



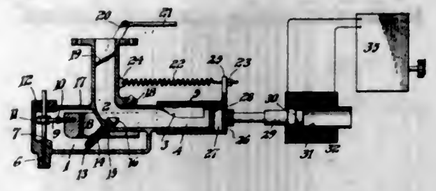
1. A control mechanism including a support, a spindle journaled in said support, means for rotating said spindle in extension thereof, a gear housing affixed to said spindle, a train of gears in said housing imparting motion thereto, a second means for rotating said spindle through said gearing and housing, and means for limiting the motion of said spindle including a slot in said housing and a stud affixed to said support and positioned in said slot.

1,503,554. ADJUSTABLE STUFFING-BOX CASING-HEAD CLAMP. ALBERT D. PURTLE, Marietta, Ohio. Filed May 19, 1922. Serial No. 562,258. 3 Claims. (Cl. 166—14.)



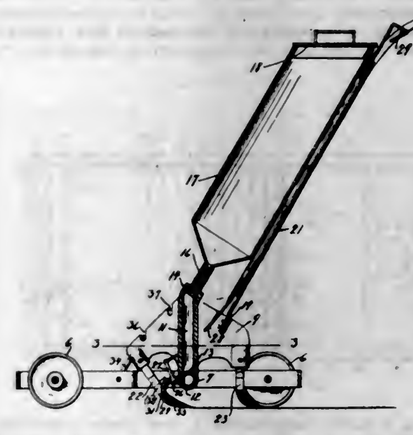
1. A clamp including opposed sections, each of said sections having horizontally disposed tubular members, bolts positioned within the tubular members for adjusting the sections with respect to each other, a U-bolt carried by each section and adapted to embrace a well casing head, and each section having a curved portion adapted to fit over the well casing head.

1,503,555. ELECTRICALLY-OPERATED CARBURETOR. CLIFFORD T. RAULE, Philadelphia, Pa., assignor of one-half to William Steell Jackson, Bala, Pa. Filed July 30, 1915. Serial No. 42,822. 8 Claims. (Cl. 123—124.)



1. In a device for varying the proportion of gas and air in a carburetor inlet, a carburetor having an air inlet, a slidable closure for said inlet, embracing and guided thereupon, an engine-operated electric generator, an electromagnet having its circuit connected with the generator and paramagnetic material connected with the closure and moved by the electromagnet to increase the inlet opening with increase of current in the electromagnet.

1,503,556. PAVEMENT-MARKING MACHINE. JOHN OTTO RHIEN, Santa Cruz, Calif. Filed Nov. 9, 1922. Serial No. 599,883. 8 Claims. (Cl. 91—39.)



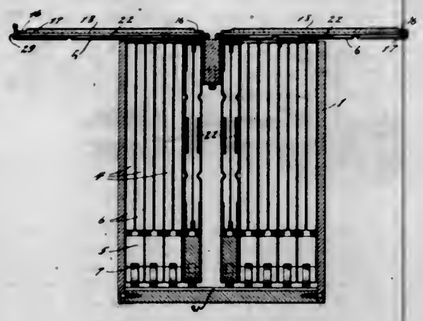
1. A painting device for marking pavements and the like comprising a truck, a paint receptacle supported thereon, a brush associated therewith adapted to sweep the ground surface and means for feeding paint from the receptacle into the brush with a second brush supported behind the first brush adapted to follow the same for smoothing the paint.

6. A pavement marking machine comprising a truck, a casting pivotally supported thereon having an elongated receptacle mounted thereon adapted to be swung into driving relation with the truck, means associated with the receptacle for feeding paint to the pavement surface and a brush extending downwardly from the casting for engagement with the pavement surface when the receptacle is held in a driving position and clearing said surface when the receptacle is turned into a vertical position.

1,503,557. INDEX DEVICE. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Company, a Corporation of Ohio. Filed Mar. 9, 1922. Serial No. 542,512. 8 Claims. (Cl. 129—16.)

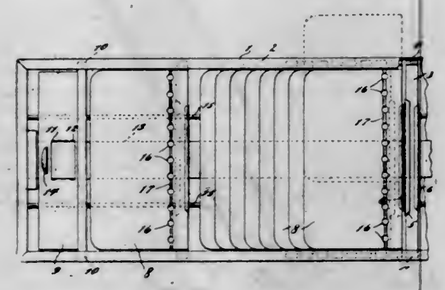
1. In an index device, a supporting frame, a plurality of anchor members slidable in parallel directions in said

frame, and a pair of card index frames hinged to each of said members with the card-mounting faces thereof



abutting when the index frames are brought together about their hinges, said pairs of frames being slidable individually into and out of the supporting frame.

1,503,558. VISIBLE INDEX. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Company, a Corporation of Ohio. Filed Mar. 10, 1922. Serial No. 542,573. 14 Claims. (Cl. 129—16.)



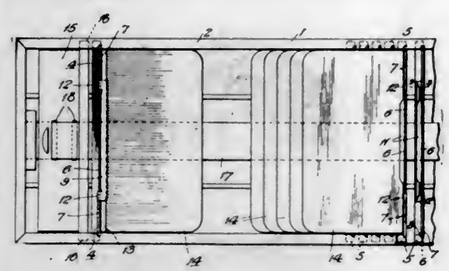
1. In a visible index device, a card carrier comprising a strip having card-receiving grooves along opposite edges of a face, the grooves opening toward one another, one of said grooves extending nearer an end of the strip than the other groove to facilitate the insertion of the edge of a card in said grooves.

3. An index card having adjacent to an edge, by which it may be mounted, parallel thereto and interiorly therefrom a row of spaced apertures to facilitate flexure of the body of the card with respect to the said edge.

14. In a visible index device, a follower block of sheet metal having at its forward end lateral extensions for travel in guideways, and having adjacent its rear end an integral deflected portion to form a grasping portion, the body part having therein a plurality of slots for receiving a tape.

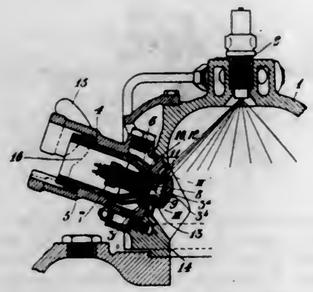
1,503,559. VISIBLE-INDEX-CARD CARRIER. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Co., a Corporation of Ohio. Filed Jan. 2, 1923. Serial No. 610,166. 12 Claims. (Cl. 129—16.7.)

1. In a visible index device, a member adapted to extend between and slide in spaced parallel guides, a wire secured to the member, a sheet metal hinge element having a portion thereof bent around the wire to



provide a pivotal connection to the member and another portion bent upon itself to engage with and detachably hold an index card.

1,503,560. SPARK-PLUG VALVE FOR PETROLEUM AND CRUDE-OIL ENGINES. CARL AUGUST RUDQVIST, Staket, Sweden, assignor to J. & C. G. Bollinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden, a Company of Sweden. Filed Sept. 22, 1921. Serial No. 502,538. 10 Claims. (Cl. 123—145.)

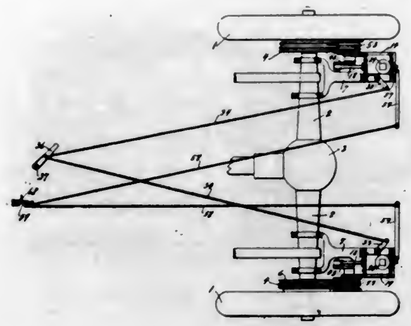


1. In a spark plug valve for petroleum and crude oil engines, the combination of a sleeve having two oppositely arranged valve seat faces, a valve body movable in said sleeve and provided with two oppositely arranged valve faces adapted to cooperate with said valve seat faces on said sleeve, said valve body having an aperture between said valve faces, a spark plug inserted in said valve body and having a spark gap located opposite said aperture in said valve body, and means for guiding said valve body in said sleeve into two positions in each of which one valve face on said valve body bears against one valve seat face on said sleeve, and in one of which positions said aperture in said valve body for said spark gap projects outside said sleeve and in the other position said aperture is retracted within said sleeve, said guiding means being located entirely to one side of both of said valve seat faces removed from said aperture.

1,503,561. BRAKE. CLIFTON P. RUGGLES, McCloud, Calif. Filed May 7, 1923. Serial No. 637,301. 9 Claims. (Cl. 188—99.)

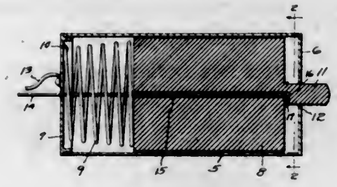
1. A brake for a revolving element, comprising a slidably mounted pump having a piston therein, a rocker

associated therewith having pulleys rotatable in its arms adapted to frictionally engage the revolving ele-



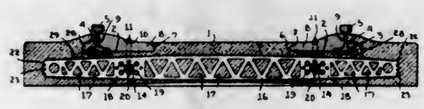
ment when the pump is advanced and an operative connection between the pulleys and the piston causing the latter to reciprocate when the pulleys are rotated.

1,503,562. CIRCUIT CLOSER FOR ALARMS. FREDERICK RYAN, San Antonio, Tex. Filed Feb. 27, 1923. Serial No. 621,500. 2 Claims. (Cl. 200—54.)



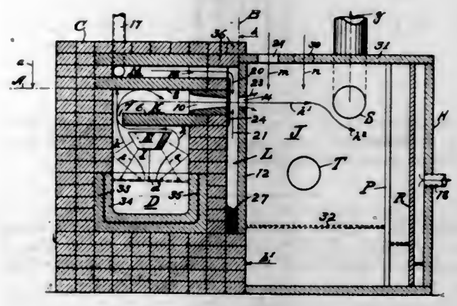
1. A device of the character described comprising a casing of conductive material, a non-conductive block therein having a neck extension extending through an end of said shell, means tending to press the block of insulating material toward the end of the shell and a conducting wire extending through the block and terminating in a coil which surrounds the neck extension at its juncture with said block.

1,503,563. RAILROAD TIE. HEZEKIAH L. THOMAS, Baltimore, Md. Filed Jan. 31, 1924. Serial No. 689,771. 10 Claims. (Cl. 238—86.)



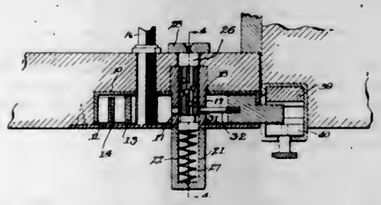
3. A railroad tie comprising a concrete body portion formed in its upper face with rail receiving recesses, said recesses being undercut at one side to form overhanging rail engaging lugs, means for holding the rails in said recesses in engagement with said lugs, and curved and apertured reinforcing plates embedded in the concrete body portion of the tie in the said lugs thereof, as and for the purpose set forth.

1,503,564. ELECTRIC FURNACE AND PRECIPITATOR FOR PRODUCING OXIDE OF ZINC. JOHN THOMSON, Brooklyn, and FRANCIS A. J. FITZGERALD, Niagara Falls, N. Y. Filed Aug. 21, 1922. Serial No. 583,388. 17 Claims. (Cl. 204—64.)



3. In an electric furnace and a co-ordinating precipitator for producing oxide of zinc from re-distilled zinc, a chamber intermediate of the furnace ports and the precipitator ports which is kept filled with prehcated inert-gas, such as nitrogen, and functions as a conveyor of heat to the contiguous port-surfaces.

1,503,565. LOCK. EDWARD R. VIVES, New York, N. Y., assignor to Vesdal Creations, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 633,633. 13 Claims. (Cl. 70—76.)

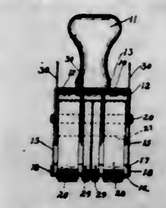


1. In a lock, the combination with the bolt, of controlling mechanism therefor comprising a plurality of plugs mounted to reciprocate longitudinally in paths transverse to said bolt, said bolt having a plurality of pins projecting in lines which intersect said plugs, each of said plugs having a plurality of holes adapted to be brought into alignment with said pins, said holes being longitudinally and circumferentially spaced along said plug, means for fixing each of said plugs in a plurality of rotational positions to bring any selected hole thereof into cooperation with its associated pin, and springs holding said plugs in normal longitudinal positions.

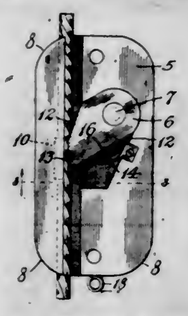
1,503,566. MEANS FOR CONTROLLING DATING STAMPS. LEO WALLENSTEIN, Brooklyn, N. Y. Filed Jan. 4, 1922. Serial No. 526,934. 4 Claims. (Cl. 101—111.)

1. A hand printing stamp comprising a frame; a shaft in the frame; spools rotatable on said shaft; lever arms mounted at their lower ends on said shaft; and means appurtenant to the lever arms engageable with means

appurtenant to the spools for rotating the spools when the lever arms are moved in one direction and for moving the lever arms on said shaft for permitting the spools to be stationary when the lever arms are moved in direction reverse to the first mentioned direction.

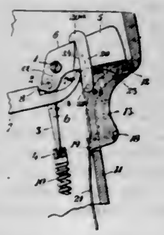


1,503,567. ROPE FASTENER. LEWIS E. WALLIS and LAFAYETTE HIGGINS, Monrovia, Calif. Filed Aug. 6, 1923. Serial No. 656,043. 2 Claims. (Cl. 24—134.)



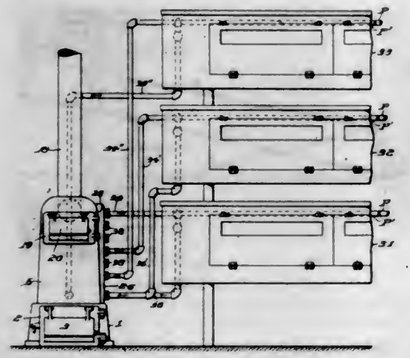
1. A rope fastener comprising a block formed with a longitudinal, laterally, opening groove having an overhanging wall and an intermediate recess, and a yieldable dog movable respectively into and out of the groove and with respect to the recess and coacting therewith to cause a crimp to be formed in a rope when arranged in the groove and engaged by the dog, and said block having a recess therein to accommodate the dog, and the said dog being of a thickness with respect to the depth of the recess so that the outer face of the dog comes flush with the outer face of the block.

1,503,568. AUTOMATIC PISTOL WITH COCK LOCK. GEORG WALTHER, Zella-Mehlis, Germany. Filed Aug. 4, 1923. Serial No. 655,787. 7 Claims. (Cl. 42—3.)



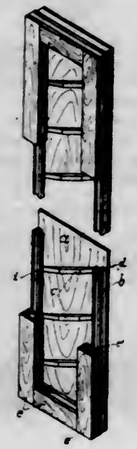
1. A self-loading pistol with hammer-lock comprising in combination a main spring, a breech block adapted to be driven back by the recoil, a hammer adapted to be brought into the ready position by the backward movement of said breech block, a movable grip controlled element for automatically moving said hammer rearwardly upon release of the grip, and means whereby said main spring tends to oscillate said hammer in a direction opposite to the first direction.

1,503,569. HEATING SYSTEM FOR MAMMOTH INCUBATORS. HAROLD L. WATSON, New Brunswick, N. J. Filed Feb. 20, 1922. Serial No. 537,679. 5 Claims. (Cl. 237—15.)



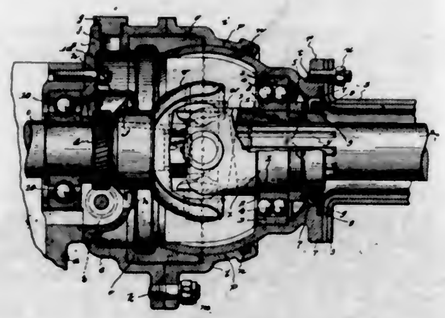
1. A heating system for a mammoth incubator having a plurality of tiers of hatching compartments each tier having heat radiating means, comprising a heating unit for supplying hot water and piping extending from the unit to the radiating means in each tier, said piping being so arranged as to convey the hottest water from the heating unit to the tier which is normally the coolest and relatively cooler water to the tier which is normally the hottest.

1,503,570. DEVICE FOR IMPROVING THE FULLNESS OF SOUND AT THE STRIKING OF TIMEPIECES AND CLOCKS HANGING ON THE WALL. FRIEDRICH WEIHENMEYER, Zuffenhausen, Germany. Filed Jan. 26, 1924. Serial No. 688,833. 1 Claim. (Cl. 58—1.)



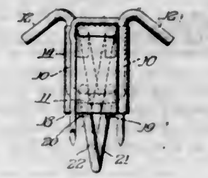
Device for improving the fullness of sound at the striking of time-pieces and clocks hanging on the wall comprising in combination with the clock-case a sounding board, inclined ribs for staying the sounding board, a hollow frame open at the centre forming the back wall of the clock case and wooden supports fluted in longitudinal direction inserted between said sounding board and said hollow frame.

1,503,571. UNIVERSAL JOINT AND HOUSING. D'ORSAY MCCALL WHITE, Detroit, Mich. Filed June 7, 1923. Serial No. 643,863. 5 Claims. (Cl. 64—90.)



1. In a universal joint and housing, the combination of a stationary housing section, a movable housing section, a torque tube bolted to the movable housing section, a driving yoke, a driven yoke, an anti-friction bearing assembly for rotatably supporting the driven yoke in the movable section, and a propeller shaft contained in the torque tube which may be disengaged by a sliding movement from the driven yoke, when the torque tube is detached from the movable housing member.

1,503,572. CONCRETE HANGER. WILLIAM E. WHITE, Chicago, Ill. Filed May 3, 1922. Serial No. 558,134. 6 Claims. (Cl. 72—105.)



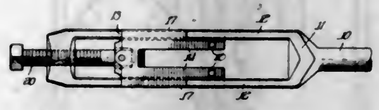
1. In a hanger insert, the combination of an anchor having a loop, a housing within which the loop is accommodated, said housing being of rectangular outline in cross section, and a hanger engaging said anchor loop and consisting of a length of wire doubled on itself and with its ends bent to form oppositely projecting hooks, the lateral dimensions of the hooks being such that the hanger cannot rotate sufficiently within the rectangular casing to permit disengagement of the hooks from the loop.

1,503,573. METHOD OF FORMING FORGED FULCRUMS. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed May 5, 1920. Serial No. 378,976. 2 Claims. (Cl. 29—164.)



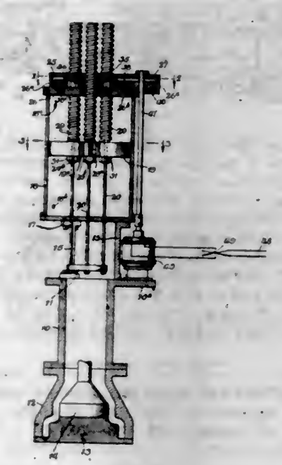
1. The method of forming a fulcrum consisting in providing a blank, heating same, providing the blank with a curved offset loop portion at a point midway of its length, inserting a piece of metal in the closed end of said loop portion to build up the stock at such point, and forming a tension rod seat at such built-up point.

1,503,574. SLACK-ADJUSTER MECHANISM. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 3, 1922. Serial No. 572,397. 3 Claims (Cl. 188—197.)



2. A slack adjuster including, in combination, an adjuster jaw, and an adjuster block having arms with flanges which cooperate with said jaw for maintaining said block in position with respect to said jaw, the flanges on one of said arms being capable of being placed in different relative positions, in one of said positions permitting the passage of said flanges during the application of said block to said jaw and in another position cooperating with said jaw for retaining the block in operative association with said jaw.

1,503,575. MUD PRESS. HERMAN P. WILLIAMS, St. Louis, Mo. Filed Mar. 19, 1923. Serial No. 626,241. 12 Claims. (Cl. 25—30.)

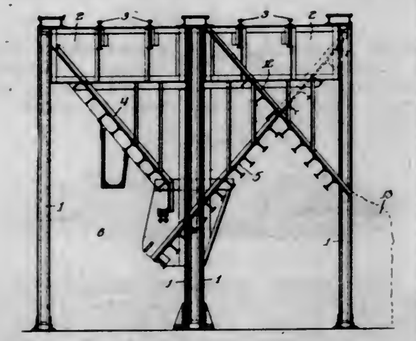


1. In a device of the class described, a press cylinder, a plunger reciprocal therein, an electrically actuated motor, means interposed between said motor and plunger actuatable by said motor to reciprocate said plunger, said means comprising a reciprocable threaded shaft, a pinion in mesh therewith, means to rotate said pinion to axially move said shaft, said last named means comprising a gear rotatable by said motor, and a toothed gear ring meshing with said gear and said pinion.

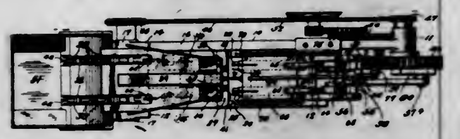
1,503,576. BIN STRUCTURE. FREDERICK H. WILLCOX, Chicago, Ill., assignor to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed May 7, 1923. Serial No. 637,038. 6 Claims. (Cl. 214—10.)

1. Bin structure, comprising a structural support for two pairs of railroad tracks, a sloping bottom beneath one of said pairs of tracks, a pair of sloping bottoms

arranged in angular relation with respect to one another beneath the other of said pairs of tracks, said last mentioned sloping bottoms being divided into bays for directing material selectively in two opposite directions transversely of said bin structure.



1,503,577. MACHINE FOR CRACKING NUTS. ROBERT E. WOODSON, Webster Groves, Mo. Filed Feb. 18, 1922 Serial No. 537,434. 13 Claims. (Cl. 146—12.)



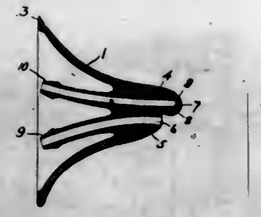
1. In a nut cracking machine, a pair of cracking jaws, one of which is movable and the other stationary, ejecting means mounted externally of said movable jaw and having a nut-ejecting projection operating in a groove formed in said stationary jaw, said ejecting means being operable in time relation with said movable jaw, a nut receiving member reciprocally mounted between said jaws, a stationary member extending downwardly to close the open forward end of said nut receiving member when the same is in receiving position, and actuating means for said movable jaw and said ejecting means.

1,503,578. CURTAIN RUNNER. ERNEST LODGE WILSON, London, England. Filed Mar. 7, 1923. Serial No. 623,504. 2 Claims. (Cl. 156—20.)



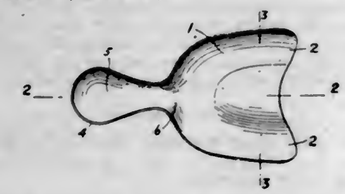
2. A guard for the roller of a curtain runner having a roller adapted to run on a flat strip race and having a wire frame depending from said roller, said guard having a hollow body adapted to encase said roller without touching it and having clipping members shaped to conform to the adjacent portions of said frame when forced onto said frame, the cooperation of the clipping members and frame serving as the sole support for the guard in its relation to the roller.

1,503,579. SYRINGE. WALTER E. DEWEY, Glenside, Pa. Filed Apr. 30, 1920. Serial No. 377,785. 2 Claims. (Cl. 128—241.)



1. A unitary or one-piece syringe of the type specified comprising an open-backed air cooled hollow conoidal shell terminating at its apex in inflow and outflow openings provided integrally with inflow and outflow pipes spaced from each other and from the shell-wall and extending towards and terminating short of the base, substantially as described.

1,503,580. DENTAL TRAY. ALBERT M. EPSTEIN, Elmira, N. Y. Filed Apr. 25, 1924. Serial No. 708,841. 1 Claim. (Cl. 32—6.)



A one-piece died or stamped dental tray consisting of chemically hardened fiber and having an open ended container for plastic material and a handle centrally channeled in the direction of the bottom of the container and the channeled portion communicating with the container to accommodate lip muscles and provide for overflow of plastic material and to give a finger hold and feel, said tray being non-absorbent in respect to plastic material and also a non-conductor of heat and cold.

1,503,581. TRAVELING SCAFFOLD. AUGUST L. N. FLEMING, Lyndhurst, N. J. Filed Aug. 12, 1922. Serial No. 581,383. 16 Claims. (Cl. 304—9.)



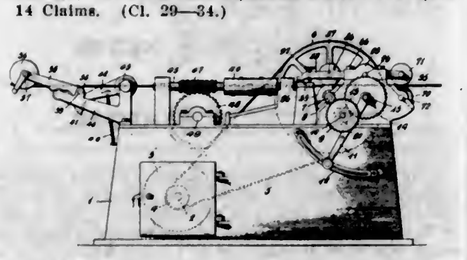
1. In a traveling scaffold, in combination, a ladder composed of extensibly adjustable sections, a platform on the uppermost section, wheels on the lower section for traveling on a surface, wheels on the upper section for traveling on a wall, and mechanism manually operative on the platform for simultaneously revolving all of the wheels to cause the scaffold to travel on the surface.

1,503,582. RAZOR-BLADE SHARPENER. FRANCESCO GASCO, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,703. 2 Claims. (Cl. 30—25.)



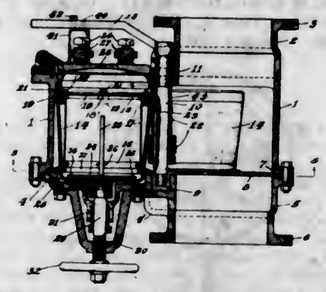
1. A razor blade sharpener comprising a holder having a flat supporting surface and projections therefrom for registering with razor blades; means for retaining blades in service position on said holder; and means for releasing said blade from said retaining means, said means embodying a screw-threaded member adapted for impingement upon and retraction from said holder, and means associated therewith for engaging said blade when on said holder, said means consisting in a resilient finger extensible over said blade.

1,503,583. WIRE STRAIGHTENING AND SWAGING MACHINE. ALEC J. GERRARD and PARVIN WRIGHT, Chicago, Ill. Filed June 14, 1922. Serial No. 568,307. 14 Claims. (Cl. 29—34.)



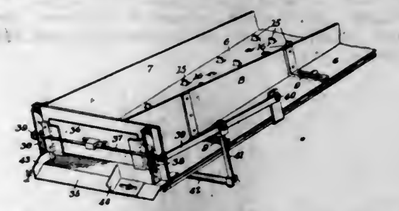
1. In a wire cutting and swaging machine the combination of a wire straightening means; a wire feeding means; means to cut a tangled wire strand before it reaches said straightening means; and a reciprocating wire cutting and swaging means, substantially as described.

1,503,584. STRAINER. ELMER E. HAUER, Springfield, Ohio. Filed Jan. 10, 1923. Serial No. 611,704. 12 Claims. (Cl. 210—168.)



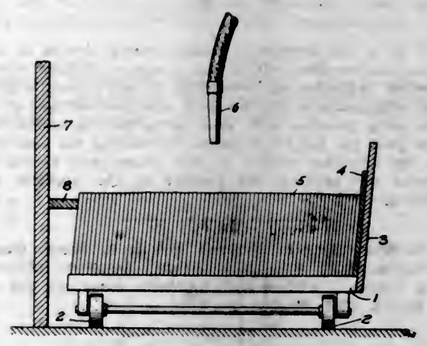
1. In a straining apparatus, a main casing, a shaft extending through said casing and supported at each end thereby, means for rotating said shaft, a plurality of independent conduits each independently connected with and supported by said shaft between the ends thereof so as to be rotated thereby, and a movable straining element in each conduit, said casing having inlet and outlet openings for liquid and a third opening to permit removal of said straining elements.

1,503,585. FEEDING DEVICE FOR VIAL MACHINES. BENJAMIN T. HEADLEY, Millville, N. J., and PARKE H. THOMPSON, deceased, late of Millville, N. J., by Rena M. Thompson, executrix, and David Irwin Du Bois, Millville, N. J., assignors to Whitall-Tatum Company, Millville, N. J., a Corporation of New Jersey. Original application filed Nov. 15, 1919, Serial No. 338,179. Divided and this application filed Jan. 26, 1921. Serial No. 440,115. 14 Claims. (Cl. 198—26.)



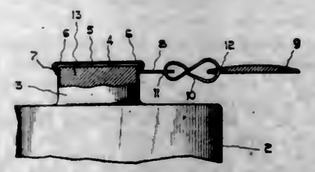
1. A hopper feed device for vial bottoming machines, comprising an inclined bottom, means for delivering vial blanks thereto, means for retarding the travel of said blanks over said bottom, a discharge chute and means controlling the passage of the vial blanks through said chute, substantially as described.

1,503,586. PROCESS OF FINISHING THE EDGES OF GLASS SHEETS. AUSTIN C. HILEMAN, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1924. Serial No. 718,018. 1 Claim. (Cl. 51—278.)



The process of finishing the edges of glass sheets which consists in placing a series of the plates side by side with their adjacent side surfaces in opposition and close together and wth the edges to be treated in substantial alignment, and then applying a sand blast to the said edges.

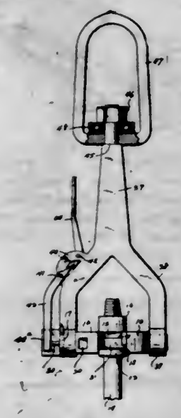
1,503,587. COMBINED TAG AND SEAL. NORMAN HOLLAND, Montreal, Quebec, Canada. Filed Mar. 16, 1922. Serial No. 544,375. 2 Claims. (Cl. 220—24.)



1. In a container the combination with a discharge spout having a flared mouth and a plug positioned within the spout and closing the same, the extreme outer end of the plug being disposed in transverse alignment with the

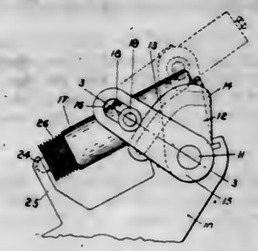
flared mouth of the spout; of a combined closure and seal consisting of a flat thin disc of comparatively soft metal extending completely across the said mouth and completely covering the plug and having its entire periphery spun over the flared edge of the mouth; a radial projection upon said disc having an opening in its free end and a guarantee device connected to said free end.

1,503,588. ELEVATOR. JESSE O. JOHNSON, Orange, Tex. Filed July 18, 1923. Serial No. 652,407. 2 Claims. (Cl. 294—91.)



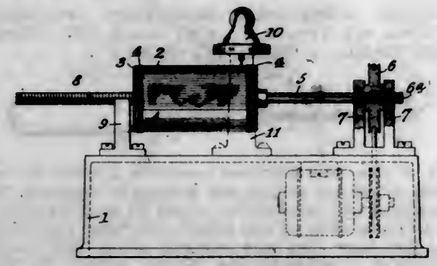
1. In a rod elevator, a frame, a block pivoted in the frame and provided with a slot, a member slidable within the slot and normally obstructing the slot thereof, a push pin reciprocable within the block, said push pin and member being provided with gear teeth, gearing connecting said push pin and block, means for shifting the push pin in one direction carried by said frame, and automatic means for shifting the member in the opposite direction.

1,503,589. COUNTERPOISE. BRYAN P. JOYCE, Washington, D. C. Filed July 7, 1922. Serial No. 573,493. 4 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



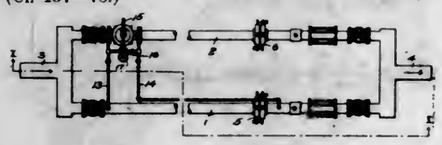
1. The combination with a support having a bracket and a bearing and spaced apart cam plates above said bearing of a trunnion journaled in the bearing, arms rigid on the trunnion and embracing the cam plates, said arms slotted, a counterpoise mounted between the cam plates characterized by a cylinder, a plunger working in the cylinder and pivoted in the bracket, a trunnion band rigid on the cylinder, trunnions on the band and extending into the slots of the arms and in position to ride on the cam faces of the cam plates, arms extending from the band and a shaft journaled in the arms with its ends riding in the cam grooves.

1,503,590. METHOD AND SYSTEM FOR TRANSMITTING PICTURES TO A DISTANCE. ELIOT KEEN, New York, N. Y., assignor to Picturadio Corporation, a Corporation of New York. Filed June 13, 1922. Serial No. 567,936. 23 Claims. (Cl. 178—7.)



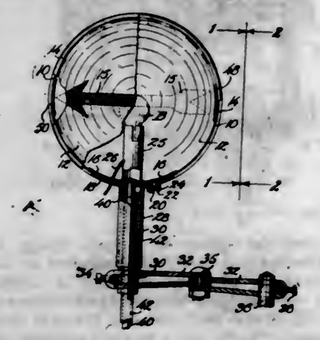
3. The method of picture transmission consisting in producing waves of certain frequency representing predetermined parts of a picture, and waves of certain other frequency representing a margin line of the picture.

1,503,591. FLUID-SUPPLY SYSTEM. THOMAS H. KERR, Columbus, Ohio, and LEVI H. DUNCAN, Ben Avon, Pa. Filed Oct. 7, 1921. Serial No. 506,037. 8 Claims. (Cl. 137—78.)



1. In a fluid-supply system a plurality of fluid conduits arranged in parallel, a cutoff valve arranged in one of said conduits and closing in the direction of flow to cut off flow through that conduit, a fluid-pressure element to which said valve is connected in a union admitting of a limited amount of lost motion, said fluid-pressure element beng subjected to up-stream pressure in valve-opening direction and to down-stream pressure in valve-closing direction, a weight operative upon the fluid-pressure element when the valve is closed and tending to hold the fluid-pressure element against valve-opening movement, and means for relieving the fluid-pressure element of said weight when the fluid-pressure element moves in valve-opening direction.

1,503,592. AUTOMOBILE SIGNAL. CHARLES H. LEWIS, Denver, Colo. Filed Apr. 7, 1922. Serial No. 550,430. 5 Claims. (Cl. 116—46.)



1. A signal comprising a casing rotatable on a vertical axis, direction indicating means on opposite sides thereof pointing in the same direction with reference to the

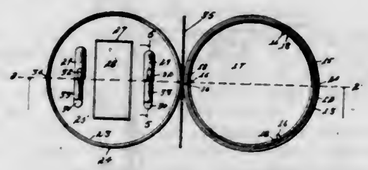
casing, said means normally pointing ahead, and means for rotating said casing through 90° to indicate movement in either transverse direction and through 180° to indicate movement rearward, selectively.

1,503,593. SPRING WHEEL. OERIN J. LINENDOLL, Denver, Colo. Filed July 25, 1921. Serial No. 487,433. 9 Claims. (Cl. 152—29.)



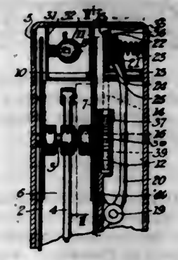
2. A spring wheel comprising a pair of spaced discs, a hub block therebetween, a plurality of spokes carried thereby, a spring about each spoke, and cylindrical housings formed by semi-cylindrical housings in each of said spaced discs receiving said spokes and springs, and rim mechanism at the outer ends thereof, the housings in each disc being semi-cylindrical throughout their lengths.

1,503,594. VANITY CASE. GUY G. MARTIN, Mason City, Iowa. Filed Nov. 7, 1922. Serial No. 599,503. 2 Claims. (Cl. 132—83.)



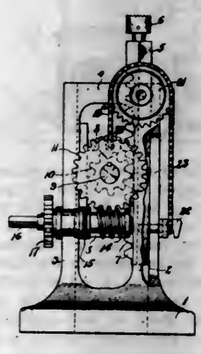
1. A vanity case comprising top and bottom pan members the top pan member having its inner sides provided with an inwardly extending bead, the inner side of said bottom pan being provided with an inwardly extending shoulder, a mirror member slightly smaller than the said pan members, the said pan members and said mirror member being hingedly connected at a common point, the open edges of said pans being provided with notches on opposite sides from their hinged portion, said pans being so constructed that the open edge of one will telescopically receive the open edge of the other when the pans are in a closed position, the said mirror member being provided with a handle portion designed to extend outwardly through the notched portion of said pans when they are in a closed position, a partition member secured between the bead of said top member and the closed end of the same, said partition member being provided with a centrally located rectangular depression, a rouge pan detachably secured in said depression, the said partition being provided at each side of said depression with a receptacle for receiving a cosmetic stick, each of the said receptacles being provided with a flexible tongue for yieldably securing the stick in position.

1,503,595. METHOD OF MAKING PHOTOGRAPHIC RECORDS. CHARLES E. KENNETH MEES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 3, 1921. Serial No. 474,833. 11 Claims. (Cl. 95—5.)



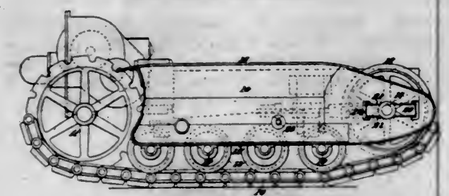
1. The method of making a photographic record which consists in moistening a suitably prepared material with a bath free of substances tending to discolor the material and that wil render the material capable of becoming darker in the presence of light when damp than when dry and submitting the material while still damp from such bath to the projection of a light image thereon.

1,503,596. HOISTING MECHANISM. JOHN A. MORRISON, Mansfield, Ohio. Filed May 31, 1923. Serial No. 642,463. 5 Claims. (Cl. 254—97.)



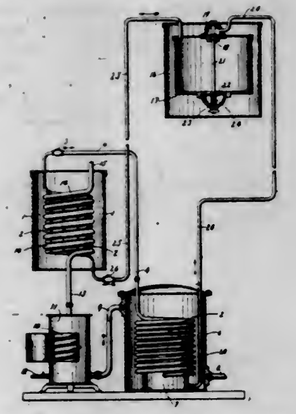
5. A hoisting mechanism including an upright frame, a rack bar vertically slidable therein, a channel shaped block vertically slidable in the frame, the teeth of the rack bar extending into the channel thereof, a pinion within said channel block meshing with the rack bar, a pair of pulleys upon opposite sides of the upper portion of the frame, a flexible member extended over each pulley and connected to the block and rack bar at opposite ends, a pair of worm wheels rotatable with the pinion and located upon opposite sides of the frame, spaced ears upon opposite sides of the block, a pair of worm shafts journaled in said ears, a worm upon each shaft meshing with one of the worm gears, pinions at the outer ends of the worm shafts, an idler upon the frame meshing with said pinions and a flat sided shank upon one of the worm shafts for receiving a tool to rotate the same.

1,503,597. ROLLER-TRUCK FRAME FOR TRACTORS. EMIL F. NORELIUS, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Sept. 16, 1919. Serial No. 324,225. 6 Claims. (Cl. 305—9.)



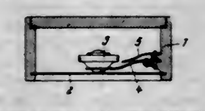
1. A roller truck frame for chain track tractors formed of pressed steel side plates contacting at their upper edges, and spaced apart at their lower edges to receive the truck rollers between them.

1,503,598. REFRIGERATING APPARATUS. THOMAS IRVING POTTER, East Orange, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Sept. 15, 1921. Serial No. 500,757. 2 Claims. (Cl. 62—118.)



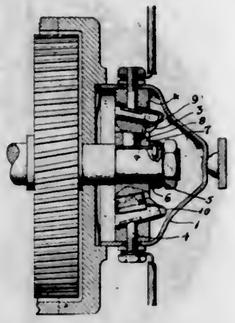
1. In a refrigerating apparatus, a generator condenser and expander arranged in a closed refrigerating circuit, means for preventing back flow of refrigerant through said circuit, said generator containing a non-liquid absorbent, said circuit including a refrigerant conducting pipe leading from the expander to the condenser through said generator and having a coiled perforated portion located within the generator, a pipe for conducting temperature regulating fluid in said generator intercoiled with the perforated and coiled portion of said first mentioned conductor.

1,503,599. PROTECTIVE DEVICE IN SOUND-SIGNALING APPARATUS. WILHELM RUDOLPH, Kiel, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Feb. 4, 1921. Serial No. 442,581. 9 Claims. (Cl. 177—386.)



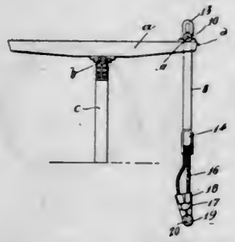
1. In sound apparatus, in combination, a vibratory member abutting on the sound propagating medium, a device comprising parts sensitive to shocks; and resilient means adapted to normally support said device in sound transferring relation against said vibratory member, but to permit it to move bodily therefrom without subjecting it as a whole to crushing forces when said vibratory member is subjected to abnormal shocks.

1,503,600. CONE TIMER FOR INTERNAL-COMBUSTION ENGINES. ANDREW J. SAGER, Winchester, Va. Filed Dec. 28, 1922. Serial No. 609,435. 2 Claims. (Cl. 200—24.)



2. A cone timer for internal combustion engines comprising a rotary cone shaped member carrying a conducting point, a casing, an insulating ring fitting into the casing and provided with a plurality of radial recesses, metal plates forming a lining for the said recesses, leaf springs carrying brushes closely fitting the said recesses, headed bolts for securing the leaf springs in position in the said recesses, the said bolts serving to conduct the generated current.

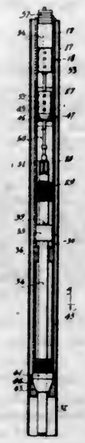
1,503,601. PUMP HANGER. SUMNER B. SARGENT, Huntington Park, Calif. Filed Sept. 19, 1923. Serial No. 663,571. 5 Claims. (Cl. 74—5.)



1. A pump hanger comprising links having bearings, a cross bar supported by the bearings, and a plurality of tie members connected with the links approximately radially of the bearings.

1,503,602. PUMPING APPARATUS AND METHOD OF OPERATING THE VALVED PLUNGER OF A WELL PUMP. SUMNER B. SARGENT and SUMNER B. SARGENT, Jr., Huntington Park, Calif. Filed Nov. 22, 1923. Serial No. 676,286. 4 Claims. (Cl. 103—46.)

1. A pumping apparatus for wells comprising a working barrel having a port and having a portion of its bore reduced in diameter adjacent to the port, a tubular member surrounding the working barrel and spaced therefrom to form a passage, means to close the lower end of the passage, and a tubular valved plunger in the working barrel having a reduced portion slidably fitting the reduced bore portion, the reduced portion terminating in a



pressure face acted upon by fluid admitted through the port and said pressure face being of less area than the area of the upper end of the plunger.

1,503,603. PROCESS OF PRODUCING CRYSTALLINE ALUMINUM SULPHATE. SHERMAN W. SCOFIELD and JOHN B. LA RUE, Cleveland, Ohio; said La Rue assignor to said Scofield. Original application filed Sept. 2, 1920, Serial No. 407,724. Divided and this application filed May 17, 1922. Serial No. 561,703. 11 Claims. (Cl. 23—13.)

1. In processes of crystallizing aluminum sulphate out of solutions of the latter, the step which consists in subjecting the solution to a partial vacuum, causing it to boil violently, means being superposed above the evaporating pan against which the solution is thrown, said means catching the salt and retaining the same as the solution drops back.

1,503,604. PROCESS OF MAKING CELLULOSE ETHER. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,656. 3 Claims. (Cl. 260—152.)

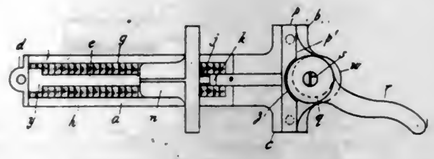
1. The process of making cellulose ether, which comprises the steps of treating cellulose with a dilute solution of a strong mineral acid, removing said acid before harmful molecular breakdown occurs, and reacting upon the treated cellulose with etherifying reagents.

1,503,605. SOUND-DEADENING FIBER BOARD. JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Apr. 29, 1920. Serial No. 377,549. 5 Claims. (Cl. 154—44.)

1. A fiber board composed of different layers of interlaced fibers, one of said layers being fireproofed and one of said layers composed of hair, and all of said fibers being interlaced throughout the body portion of said board, substantially as described.

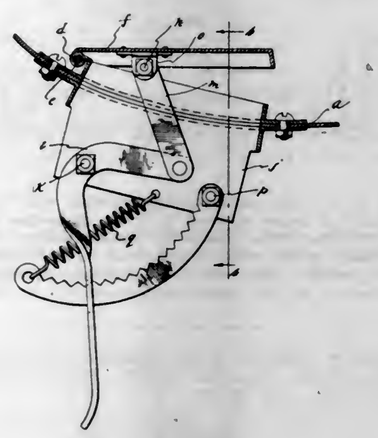
1,503,606. BENCH VISE. HERBERT ELLIOTT SINGLETON, Melbourne, Victoria, Australia. Filed Sept. 19, 1922. Serial No. 589,101. 2 Claims. (Cl. 144—303.)

1. In a bench vise comprising a base plate having side walls, spaced rack bars carried by the said walls and extending inwardly towards each other to form shoulders, an adjustable rear jaw having teeth thereon to engage the racks, and a tongue on the said jaw projecting downwardly between the rack bars and provided with a head to engage the shoulders formed by the rack bars, a lug on the jaw extending between the rack bars to guide the same, a front jaw provided with a recess and having a



base portion provided with an elongated slot turnably mounted on the base plate for horizontal adjustment, a manually operated eccentric provided with a lip engaging the recess carried by the base portion, and securing means passing through said eccentric and elongated slot to permit clamping action of the said jaw when the eccentric is operated.

1,503,607. VENTILATOR. ROBERT K. SLAYMAKER, GEORGE D. SLAYMAKER, and THOMAS N. BOURKE, Detroit, Mich., assignors to Slaymaker Electric Welding Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 7, 1921. Serial No. 513,284. 6 Claims. (Cl. 98—22.)

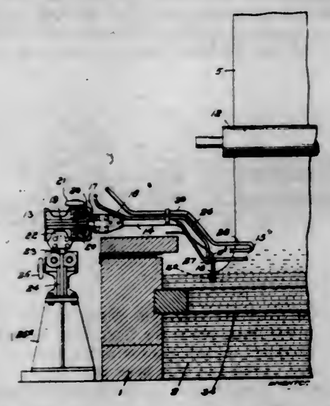


1. A ventilator for installation on a sheet metal structure, having in combination, an upper frame and a lower frame with central openings in which the inside outlines of the frames register whereby the frames can be bolted together on opposite sides of the sheet metal to act as a jig in cutting out the sheet metal, and a lid pivotally supported to act as a closure for the upper frame.

1,503,608. EDGE HOLDING AND FORMING DEVICE FOR SHEET-GLASS MACHINES. HARRY G. SLINGLUFF, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1923. Serial No. 645,496. 5 Claims. (Cl. 49—17.)

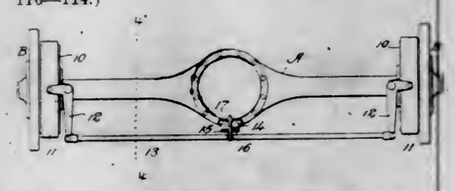
2. In combination in apparatus for drawing a glass sheet from a molten bath, means for anchoring the base

of the sheet in the bath at its edge, a pair of stripping fingers spaced apart above the base of the sheet so that



they straddle said edge and thin it, means for chilling the glass adjacent the anchorage of its edge, and means for applying heat to the edge above the fingers.

1,503,609. INDICATOR. GEORGE L. SMITH, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Feb. 11, 1924. Serial No. 692,092. 8 Claims. (Cl. 116—114.)



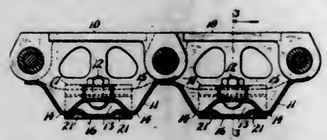
6. In a brake system, the combination with duplicate brakes; of means operated by brake application and effective after brake release to visually indicate both inaccuracy in the relative adjustment of the brakes and the particular brake requiring adjustment to reduce the inaccuracy of such relative adjustment.

1,503,610. DENTAL TOOL. ROBERT B. SMITH, Broken Bow, Nebr. Filed Oct. 9, 1923. Serial No. 667,570. 2 Claims. (Cl. 32—10.)



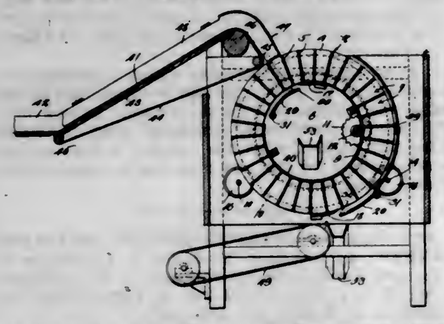
1. A dental tool comprising a handle provided at one end with a shank having a continuously curved approximately hook-shaped outer portion having an inwardly tapered terminal blade forming a continuation of the hook-shaped portion and extending inwardly longitudinally of the handle in parallelism therewith and spaced therefrom, said blade constituting the bill of the hook-shaped portion and having an end cutting edge adapted to scale tartar from the inner sides of the teeth.

1,503,611. DETACHABLE SHOE FOR ENDLESS TRACKS. RUSSELL S. SPRINGER, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 11, 1921. Serial No. 468,525. 2 Claims. (Cl. 305—10.)



1. An endless chain track having a permanent shoe formed with a corrugation on its tread surface extending from end to end of the shoe transversely of the track, a thin, relatively light detachable shoe having a comparatively flat tread surface to fit between the ridges of the corrugations on the permanent shoe and extending throughout the length thereof and bridging the space between the ridges, a hook at one end of the detachable shoe to fit over the edge of the permanent shoe and quick detachable means carried at opposite end of the detachable shoe for connecting the same to the permanent shoe.

1,503,612. BEAN-SNIPPING MACHINE. KINSEY R. TAYLOR, Patapsco, Md. Filed May 22, 1923. Serial No. 640,703. 7 Claims. (Cl. 146—86.)



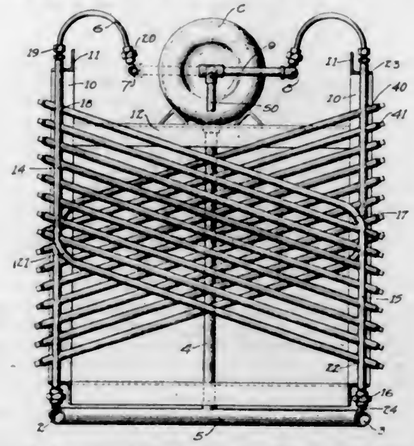
3. A device of the class described comprising a conveyor, means for severing the ends of an object projecting from the conveyor, means at opposite sides of the conveyor for determining the length of the object projecting from the conveyor and means for simultaneously adjusting the said determining means with respect to the cutting means.

1,503,613. PAPER MANUFACTURE. WILLIAM L. TAYLOR, Cincinnati, Ohio. Filed Aug. 7, 1922. Serial No. 580,057. 3 Claims. (Cl. 154—50.)



2. A web, comprising plies of paper, foil or fabric united into a web by a binding, interposed layer of tacky bituminous material, such as asphalt, with selected portions of the web, particularly the lines, where same is to be cut substantially free of the bituminous material, and having at such selected portions an interposed layer of other than tacky bitumen, said layer being of a waxy lubricating quality on cutting knives.

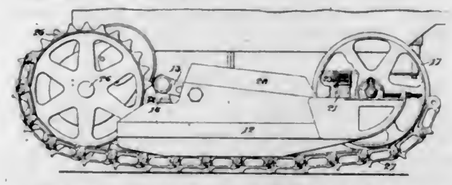
1,503,614. STEAM GENERATOR. WILLIAM E. TRAVERS, Oakland, Calif., assignor of one-fourth to Frank E. Reynolds, Piedmont, Calif. Filed May 13, 1922. Serial No. 560,801. 6 Claims. (Cl. 122—255.)



1. In a water tube generator of the character described, a water tube section comprising a pair of header tubes, the lower end of one header being bent, extended and connected with the lower end of the other header and the upper end of the last named header being bent, extended and connected with the upper end of the first named header, said extended header tubes forming the upper and lower tubes of a section, and a plurality of tubes interposed between said tubes and connected at their respective ends to the header tubes.

4. In a generator of the character described a pair of side frames, an upper bar on each side frame, a series of interspaced slots formed therein, and oppositely inclined water tube sections interspaced and guided thereby.

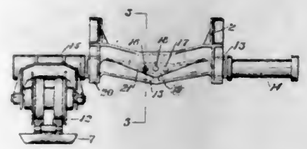
1,503,615. TRACTOR SUSPENSION. WILLIAM TURNBULL, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Jan. 4, 1922. Serial No. 526,962. 6 Claims. (Cl. 305—9.)



1. In a vehicle having a main frame and a rocking truck frame at each side thereof, the latter formed of spaced side bars, a sprocket wheel journaled between the side bars and formed with an outwardly dished member between the hub and rim, an equalizing device connecting the truck frames together and also connected with the main frame, the connection between the equalizing device and each truck frame including a support carried on the inner side bar of the truck frame and projecting into the dished portion of the sprocket wheel.

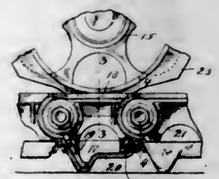
1,503,616. TRACTOR CONSTRUCTION. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 26, 1920. Serial No. 384,346. 4 Claims. (Cl. 305—9.)

1. A tractor comprising a main frame, a track-laying truck mechanism at each side thereof, said truck mechanism including a truck frame, load-carrying rollers and an idler sprocket wheel mounted on said truck frame, an axle pivotally connected intermediate its ends to the main frame for rocking movement in a vertical plane, means for varying the point of connection



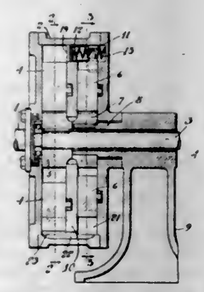
between the axle and the main frame while leaving their relative positions unchanged, and a rotatable connection between each truck frame and the axle constituting the only connection between the truck frame and the main frame.

1,503,617. SELF-LAYING TRACK MECHANISM. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 26, 1920. Serial No. 384,350. 2 Claims. (Cl. 305—10.)



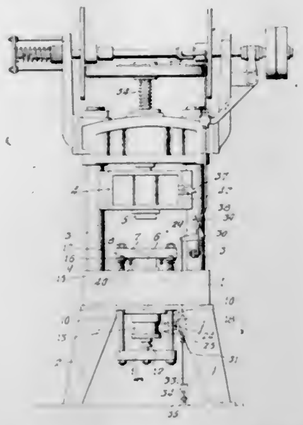
1. A track link comprising spaced side bars, each formed with a rail at its inner longitudinal edge, a downwardly extending flange at each end of the link connecting opposite side bars together, and a shoe connected to said flanges.

1,503,618. HYDRAULIC COUPLING AND CHANGE-SPEED GEAR. SVEN GUSTAF WINGQUIST, Gottenborg, Sweden. Filed Sept. 16, 1922. Serial No. 588,656. 5 Claims. (Cl. 192—58.)



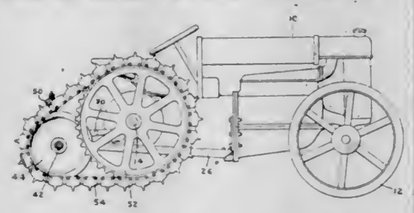
1. A hydraulic coupling and change speed gear, comprising a delivery pump and at least one receiving pump, a connection between said delivery pump and said receiving pump, said pumps being formed by a driving rotor, a driven rotor and a stator, one of said rotors being common to all said pumps, a valve disposed in the said connection and controlled by the fluid pressure set up in said delivery pump to open said connection.

1,503,619. TILE PRESS. EDMUND W. ZEH, Newark, N. J. Filed June 18, 1921. Serial No. 478,509. 12 Claims. (Cl. 25—55.)



1. In a tile press, the combination of relatively movable die members adapted to cooperate to form a die cavity to receive material to be compressed, means cooperating with said die members to compress said material, power mechanism for producing relative movement of said die members in both directions, means actuated by said compressing means for controlling operation of said power means to produce relative movement of said members in one direction, and manually operated means for controlling operation of said power means to produce relative movement of said die members in the other direction.

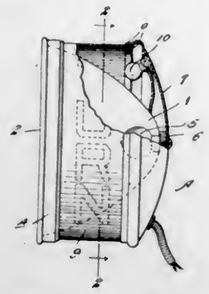
1,503,620. TRACTOR ATTACHMENT. LAWRENCE G. ZESBAUGH, Minneapolis, Minn. Filed Apr. 10, 1922. Serial No. 550,965. 2 Claims. (Cl. 305—3.)



1. In a tractor having front steering wheels and a rear driving axle, the combination of sprocket drive wheels mounted on said axle, rearwardly extending castings hinged to the housings of said axle, a shaft secured to said castings, bars attached to the tractor and extending beneath said castings, downwardly extending members secured to the ends of said shaft, idler wheels mounted on said members, bolts attached to the rear of said bars and extending slidably through the rear of said castings, collars carried by the upper ends of said bolts, springs interposed between said collars and said castings, and chain traction belts passing around said drive wheels and said idler wheels.

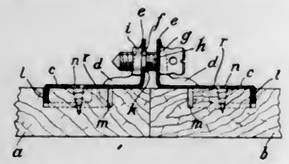
1,503,621. VEHICLE HEADLIGHT CONSTRUCTION. EARL ABBOTT, Fort Thomas, Ky. Filed Oct. 20, 1922. Serial No. 595,745. 1 Claim. (Cl. 240—46.)

A headlight casing comprising a transparent annulus forming the side thereof, a concaved plate closing one end of the annulus, a parabolic reflector located within the annulus and having its axis coincident with the center thereof, the smaller end of the reflector being secured to the concaved plate at the center thereof, a bulb located within the reflector and disposed at the



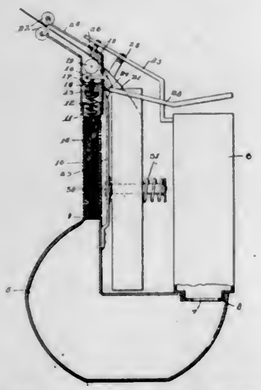
focal point thereof, and a bulb mounted upon the concaved surface of the concaved plate and disposed at the side of the reflector and between the reflector and the edge of the concaved plate, the edge portion of the concaved plate surround the last mentioned bulb.

1,503,622. WOOD AND LIKE FASTENING. WILHELM BACHMANN, Zurich, Switzerland. Filed Dec. 30, 1922. Serial No. 610,010. 3 Claims. (Cl. 20—92.)



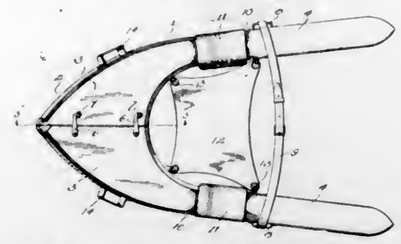
1. A device for fastening wood and like elements together, comprising a right-angle bracket having a screw-hole in each of its members, and a segmental flange formed on one member at right angles and concentrically with the screw hole in said member so that it can be accommodated in a circular recess in the wood for strengthening the connection of the bracket to the latter.

1,503,623. STRIP MOISTENER. JOHN BAUER, Detroit, Mich. Filed Jan. 12, 1922. Serial No. 528,854. 5 Claims. (Cl. 91—145.)



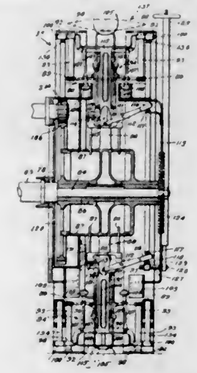
2. In a device of the character described, a main reservoir, a tank for supplying moistening liquid to the main reservoir, a tubular member supported by the main reservoir and communicating therewith, a wick in the tubular member, a moistening roll disposed above the wick and adapted to receive moistening liquid from the tubular member when the device is inverted, and manually controlled means for compressing the wick to cause liquid to pass therefrom.

1,503,624. FLOAT. CHARLES W. BAUMAN and FRANK GRUNER, Columbus, Ohio. Filed Sept. 29, 1923. Serial No. 665,520. 4 Claims. (Cl. 9—21.)



1. A float of the class described comprising a substantially U shaped body hollow throughout, a panel hingedly connected with the body, a latch having one end connected with the body and its other end detachably connected with the panel, as and for the purpose set forth.

1,503,625. BEET-HARVESTING MACHINE. SAMUEL C. BEALE, Los Angeles, Calif., assignor to Horatio J. Forgy, trustee, Santa Ana, Calif. Filed Nov. 17, 1920. Serial No. 424,761. 9 Claims. (Cl. 55—108.)

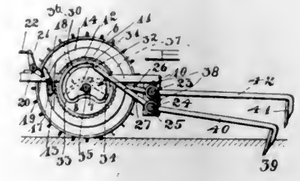


1. A beet harvesting machine, comprising a pulling mechanism adapted to grasp a beet proportionate to that part which projects above the ground, means for adjusting the ratio of said proportion, a topping mechanism, and means for presenting the pulling mechanism in uniform relation to said topping mechanism, whereby the same proportionate amount of the beet will always be cut away.

5. A beet harvesting machine provided with a conveyor, a plurality of beet pulling mechanisms mounted to reciprocate on said conveyor, each of said pulling mechanisms comprising a frame, a pair of oppositely disposed gripping members pivoted on said frame, a lever pivoted to said frame, a presser foot attached to said lever, means adjustably supported on said conveyor for moving said frame and lever at different ratios of speeds, and means supported on said conveyor for opening and closing said gripping members.

9. A beet harvesting machine, comprising a mechanism for pulling and severing a beet, means for adjusting said mechanism whereby said beet may be severed at any predetermined place, and means for operating said mechanism.

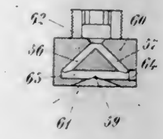
1,503,626. TRACTOR ATTACHMENT FOR FURROWING. MOSES BELSLEY, San Dimas, Calif. Filed Dec. 21, 1920. Serial No. 432,247. 6 Claims. (Cl. 97—55.)



1. In a furrowing device operative by its traction wheels, furrowing-shares for making longitudinal furrows in the direction of travel operative by the traction wheels, and other furrowing-shares for making furows at intervals crosswise between the first-named furrows operative by the traction wheels.

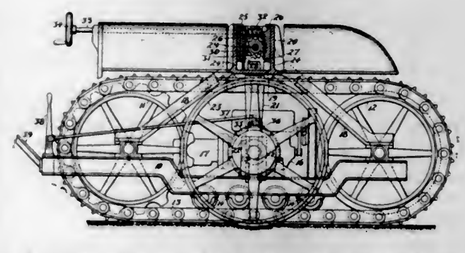
6. In a furrow making and check building machine of the class described, a carriage, a plurality of scrapers and an intermittent checking scraper carried by the carriage, means for automatically operating the scrapers to dig connections between the furrows and build checks across the furrows, and means, for normally retaining the intermittent checking scraper in a raised position while the furrows are being made, associated with said scraper operating means.

1,503,627. MEANS FOR ATOMIZING FUEL. HERMANN BENKERT, Harburg-on-the-Elbe, Germany. Filed Mar. 15, 1921. Serial No. 452,601. 2 Claims. (Cl. 299—143.)



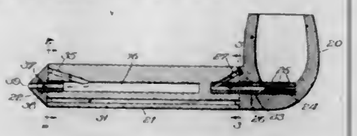
1. A fuel nozzle for internal combustion engines having a straight transverse channel, a supply channel at each end of the transverse channel and a frusto-conical discharge opening in and intermediate the ends of said straight transverse channel, the vertical axis of said opening being substantially at right angles to said transverse channel.

1,503,628. TRACTOR. CLARENCE LEO BEST, San Leandro, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Jan. 12, 1921. Serial No. 436,642. 6 Claims. (Cl. 180—91.)



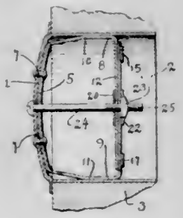
1. A tractor formed of a single centrally arranged endless flexible traction and supporting unit, a yoke extending transversely of the tractor across the top of the traction unit, a wheel at each end of the yoke to engage the ground for steering and stabilizing the tractor and means for raising and lowering the yoke to vary the pressure of its wheels upon the ground.

1,503,629. SMOKING PIPE. ALBERT GEORGE BLOMSTER, San Diego, Calif. Filed Jan. 30, 1920. Serial No. 355,109. 1 Claim. (Cl. 131—12.)



A pipe comprising a bowl and stem portion, both having threaded bores therein, and a nipple connecting said bowl and stem portion together, said nipple extending into said bowl and having a recess in the lower side thereof which is disposed in the bowl, the threads of said nipple being spaced from the threads in the bowl so as to provide smoke passages from the bowl portion into the nipple.

1,503,630. FLUE STOPPER. SIMON BOLLINGER, South Whitley, Ind. Filed Mar. 24, 1923. Serial No. 627,447. 1 Claim. (Cl. 126—319.)



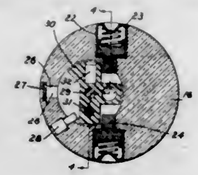
A flue stopper comprising a concavo-convex plate adapted to be arranged over one end of a flue opening, a longitudinal strip of metal having its intermediate part extended substantially the entire diameter of the plate and arranged parallel thereto and in contacting relation therewith, fastenings securing the intermediate part of the strip to the plate, the strip of metal being extended at substantially right angles to the plate to constitute abutments to engage the walls of the flue, and thence bent again at right angles to afford oppositely extending overlapping parts which extend substantially the entire length of each other, clips on one of the last mentioned parts and embracing the other, and a bolt passing through the plate, intermediate part of the strip and the last mentioned overlapping parts, and a nut threaded upon the bolt and adapted to be adjusted against the overlapping parts whereby to force the abutments into frictional contact with the walls of the flue.

1,503,631. PROCESS OF MAKING PUNGENT COMPOUNDS. DONALD B. BRADNER and MARY L. SHERRILL, Baltimore, Md. Filed May 7, 1923. Serial No. 637,369. 10 Claims. (Cl. 260—124.)

1. In a process of making pungent compounds, reacting guaiacol with a compound of the formula $RCONHCH_2X$ wherein R is an alkyl radical containing from 6 to 11 carbon atoms and X represents a simple radical which combines with a hydrogen atom of the aromatic group of guaiacol to form a substance readily separable from the pungent product.

1,503,632. SAFETY PLUNGER FOR ARTILLERY FUSES. HAROLD MORGAN BRAYTON, Dover, N. J. Filed Apr. 29, 1924. Serial No. 709,873. 13 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A safety plunger for fuses including an approximately T-shaped rotor carried by the plunger and rotatably mounted with respect thereto, a firing pin depended from one wing of the rotor through the face of



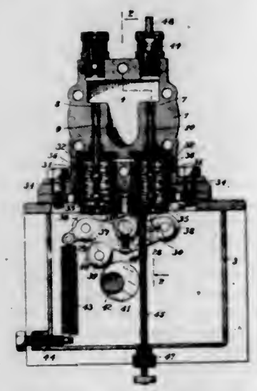
the plunger, a horizontally disposed recess formed in the other wing, and a locking pin slidably carried in the recess.

1,503,633. INDOOR GOLF GAME. VALLY P. BRUN, San Francisco, Calif. Filed Aug. 18, 1923. Serial No. 658,163. 2 Claims. (Cl. 265—20.)



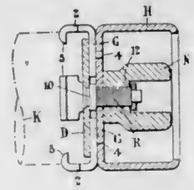
1. A game apparatus including a pendulous member provided with a yielding surface adapted to receive the blow of a missile, a sheet suspended immediately in advance of the pendulous member with its side and bottom edges free and of an area greater than that of the yielding surface to extend beyond the edges thereof, a registering means, a flexible connection between the pendulous member and the registering means for operating the registering means in accordance with the movement in one direction only of the member by the impact of the missile therewith.

1,503,634. PUMP. MAX BUCHERER, Berlin-Reinickendorf-West, Germany. Filed June 23, 1922. Serial No. 570,421. 7 Claims. (Cl. 103—38.)



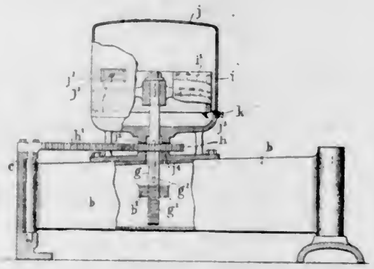
1. A pump comprising in combination, a pump casing, means for holding said casing under constant increased pressure, a piston movable relatively to the interior of said casing and means for causing said piston to convey liquid under pressure only during the latter part of its conveying stroke.

1,503,635. ADJUSTABLE HOLDER FOR GRIPPING THE ENDS OF SHORT RODS. WILLIAM FRANK BUTLER, London, England. Filed Nov. 15, 1922. Serial No. 601,190. 1 Claim. (Cl. 45—28.)



A device to grip and hold the ends of a rod, including adjustable arms, means to cause movement of said arms to and from the rod comprising a knurled cup H engaging the arms and forming a handle for the rod, a threaded stud R secured to a plate D and penetrating the cup H thereby clamping said arms between said cup and plate, and means N entirely within the cup member and threaded to the stud R for retaining the arms in the desired position.

1,503,636. THICKNESS INDICATOR FOR WOODWORKING MACHINES. ALBERT COL, Paris, France, assignor to Societe Marqeol, Moulins (Allier), France, a Corporation of France. Filed Dec. 28, 1921. Serial No. 525,398. 3 Claims. (Cl. 33—172.)



1. A thickness indicating device for a work guide in wood-working machine-tools, comprising, a base fixed to the bed of the machine-tool, parallel arms pivotally connected to the ends of said base, a rule pivotally connected to the ends of said arms and parallel to the base, whereby to form an articulated parallelogram, the said rule being adapted to be engaged by the piece to be worked on, in combination with a nut secured to one of the said arms, screw-threaded spindle engaging said nut, a helically graduated drum secured upon said spindle, a casing carried by said arm and enclosing said drum, an index mark provided upon said casing and before which the graduations on said drum are movable, and means for transmitting the angular movements of the rule relatively to said arms into rotary and longitudinal movements of said spindle, for the purpose described.

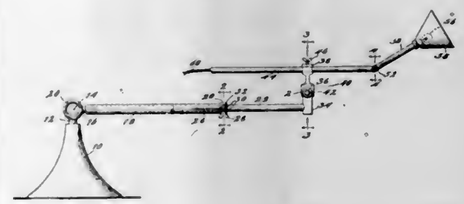
1,503,637. COMBS USED IN THE TEXTILE ART. HOWARD D. COLMAN, Rockford, Ill., assignor to Edgar S. Nethercut, Evanston, Ill. Original application filed Sept. 10, 1917, Serial No. 190,501. Divided and this application filed Jan. 8, 1923. Serial No. 611,213. 6 Claims. (Cl. 28—54.)

1. A warping apparatus having, in combination, a warper and a creel, said creel comprising a plurality of columns of yarn mass supports, and the warper having a comb provided with teeth forming spaces which are divided into distinct sections, there being as many sec-



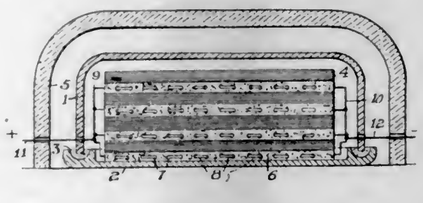
tions as there are columns of yarn mass supports, and each section containing as many spaces as there are yarn mass supports in a column.

1,503,638. ADJUSTABLE AUTOMOBILE LAMP. JOHN H. COOPER, Maywood, Ill. Filed Jan. 13, 1923. Serial No. 612,559. 1 Claim. (Cl. 240—68.)



An adjustable automobile lamp comprising a base, a tube pivotally mounted on said base, a tube adapted to telescope said first-named tube, a head on the end of the second tube, a ball and socket joint in said head, a tube slidable in the universally mounted portion of said ball and socket joint, a cooperating tube pivotally mounted with respect to the tube mounted in the ball and socket joint member, and a lamp fixed on the end of said cooperating tube.

1,503,639. METHOD FOR ANNEALING SHEET METAL. OTTO H. CUNNINGHAM, Leechburg, Pa. Filed Sept. 25, 1922. Serial No. 590,298. 2 Claims. (Cl. 148—10.)

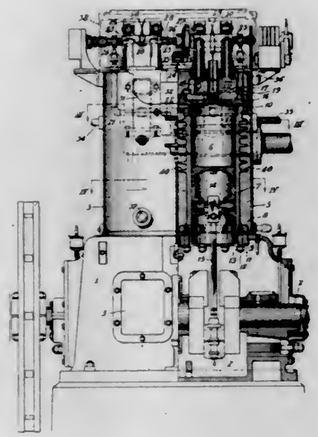


1. A process of annealing a pack of iron sheets which consists in heating the sheets in an enclosed space by applying electrical heating means in said space between the sheets of the pack.

1,503,640. INTERNAL-COMBUSTION ENGINE. CHARLES E. CURTISS, Cleveland Heights, and HARRY L. ALLEN, Cleveland, Ohio, assignors to The Bruce-Macbeth Engine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 21, 1921. Serial No. 523,840. 12 Claims. (Cl. 123—170.)

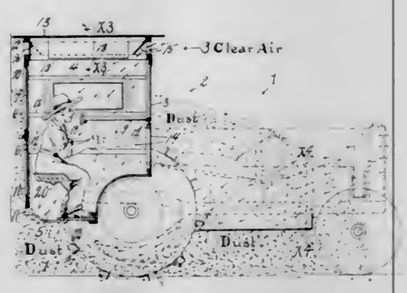
8. In an internal combustion engine, the combination of a crank-case provided with an opening at its top; a tank

mounted upon said crank-case; an engine cylinder in said tank having a lower open end communicating with the



interior of said crank-case; and bolts accessible from within the latter for removably securing said cylinder in place in said tank.

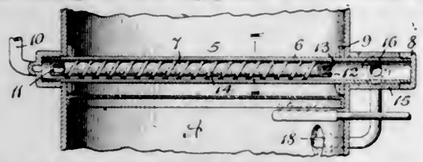
1,503,641. ART OF WORKING DUSTY FIELDS. CHARLES CASSAT DAVIS, Los Angeles, Calif. Filed July 24, 1920. Serial No. 398,737. 1 Claim. (Cl. 98—23.)



The combination of a tractor propelled agricultural appliance which in operation produces a cloud of dust; an enclosure on said appliance that is closed at the top, front, back and sides with the top extended above the dust level; air inlets and flaps at the top of the front, back and sides of the enclosure, said flaps being arranged perpendicularly on the inside of the enclosure and adapted to be operated by the wind to open one or more of the inlets inwardly, and by gravity and air pressure inside the enclosure to close the opposite flaps; and an air discharge outlet at the rear and through the bottom of said enclosure.

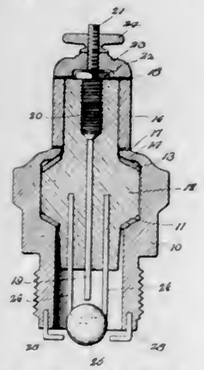
1,503,642. VAPORIZER. ALBERT F. DAYTON, Pleasanton, Calif. Filed Aug. 13, 1923. Serial No. 657,257. 4 Claims. (Cl. 158—53.)

1. A vaporizer comprising an outer tube provided with a removable cap at one end and a liquid fuel intake at its opposite end, burners in communication with said tube and a mixer in said tube, said mixer being freely removable from the tube when said cap is removed, a spiral thread formed on the mixer and arranged with its windings in close engagement with the inner walls



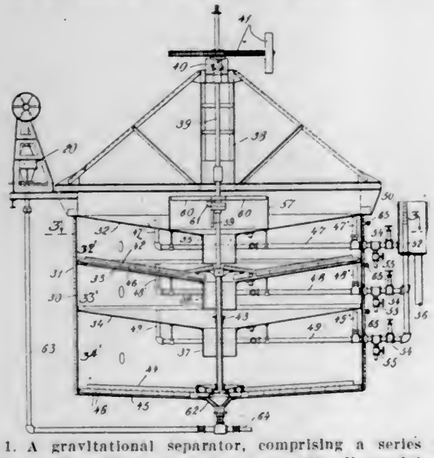
of said tube, the said tube being open at one end and closed at its other end so as to constitute a gas retaining chamber.

1,503,643. SPARK PLUG. ADOLFO DE CLAIRMONT, Toledo, Ohio. Filed Mar. 5, 1921. Serial No. 449,965. 3 Claims. (Cl. 123—169.)



1. A spark plug including a shell, an insulator carried thereby, a main electrode extending through the insulator, a spherical condenser suspended from the insulator below the lower end of said electrode in alinement therewith to intersect the plane of the lower end of the shell, the equatorial plane of the condenser being disposed above said first mentioned plane, and a ground electrode upon the shell, to cooperate with said condenser.

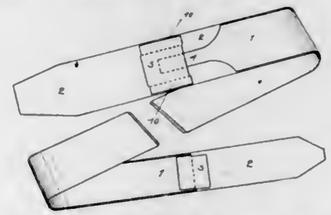
1,503,644. SUGAR MANUFACTURE. JOHN V. N. DORR, New Canaan, Conn., assignor to The Dorr Company, a Corporation of Delaware. Filed Apr. 16, 1920. Serial No. 374,312. 4 Claims. (Cl. 210—55.)



1. A gravitational separator, comprising a series of superposed settling chambers, a centrally disposed boot depending from the upper wall of each chamber but

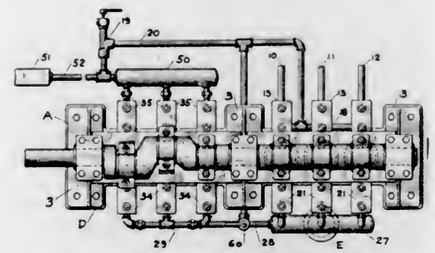
stopping short of the bottom and communicating with the chamber, said boots forming a solids discharge path common to all of the chambers, means permitting the withdrawal of liquid from a plurality of uniformly spaced points near the top of each chamber, means permitting the discharge from the last chamber of said series of the accumulated solid material from all of said chambers, and a revolving sludge collecting mechanism having a vertically disposed shaft passing through said solids discharge path and provided with a series of radially disposed arms arranged in proximity to the bottoms of the chambers and adapted to move settled solid material across the bottom of each chamber towards said solids discharge path.

1,503,645. PHOTOGRAPHIC ROLL FILM. ARMAND FAES, Mortsel, near Antwerp, Belgium, assignor to Gevaert Photo Producten N. V., Vieux-Dieu, near Antwerp, Belgium. Filed Feb. 4, 1922. Serial No. 534,164. 2 Claims. (Cl. 95—9.)



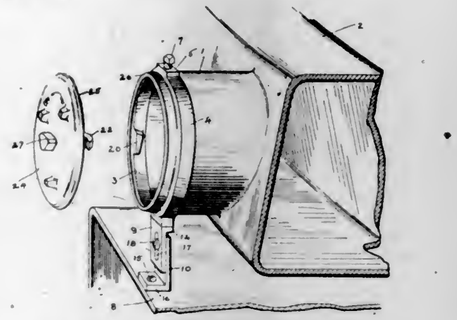
1. A photographic roll film in which the sensitized film is rolled on a spool at the same time as a band of protecting paper, the end of both the sensitized film and the protecting band being connected together in such a way that the protecting band and sensitized film may slide the one over the other, by providing a flap or tongue at the end of the sensitized film and slidably retaining this flap in position by means of a pocket forming element having its side edge portions connected to the side edge portions of the band of protecting paper.

1,503,646. EMULSIFYING APPARATUS. GEORGE L. FISH, Long Beach, Calif. Filed Mar. 1, 1923. Serial No. 622,105. 5 Claims. (Cl. 99—2.)



5. An emulsifying apparatus comprising a pumping unit, said unit embodying a plurality of cylinders of varying areas, means for delivering a plurality of liquids to the cylinders of the pumping unit, one liquid to each unit, means for delivering air to one cylinder, means for combining and mixing the air and the liquids after they are discharged by the respective cylinders of the pumping units to form an emulsion which is impregnated with air, means for subjecting said emulsion to a high pressure, and a spray valve connected with said means through which the impregnated emulsion under high pressure is released and the impregnated emulsion permitted to explosively expand when discharged.

1,503,647. CLEAN-OUT FRAME AND CAP THEREFOR. CHARLES C. FRAUTZ and HAROLD F. PENNEY, Geneva, N. Y., assignors to Phillips & Clark Stove Co. Inc., Geneva, N. Y., a Corporation of New York. Filed Mar. 19, 1923. Serial No. 625,963. 5 Claims. (Cl. 126—99.)

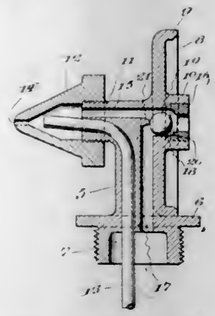


1. In a clean out frame and cap therefor for furnaces, the combination of a furnace shell, a ring adapted to be placed in front of the clean out duct of the radiator of said furnace shell, a pair of brackets, one of said brackets being anchored to the bottom of said ring and the other of said brackets being anchored to said furnace shell, means for adjustably clamping the free ends of said pair of brackets together to hold said ring in place on the end of said clean out duct, a cap for said ring and means for clamping said cap to said ring.

1,503,648. PROCESS FOR PRODUCING ALUMINUM CHLORIDE. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Mar. 15, 1920. Serial No. 365,861. 15 Claims. (Cl. 23—13.)

14. The process of making aluminum chloride that comprises heating aluminous material in the presence of a reducing agent and chlorin and withdrawing ash formed from the reaction chamber while the reaction is underway.

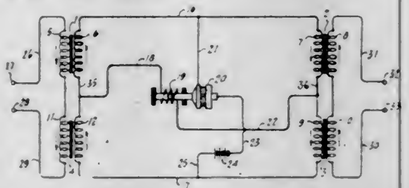
1,503,649. SPRAY NOZZLE. BENJAMIN HELLER, Chicago, Ill. Filed Apr. 5, 1922. Serial No. 549,744. 2 Claims. (Cl. 299—89.)



1. A spray-nozzle comprising a body having means at one end for attachment to a liquid receptacle, and provided at one side with a nipple and on the opposite side with means for attachment of a pump, said body also having an internal transverse air passageway the outlet end of which opens through the nipple and its inlet end opening through the side having the pump-attaching means, and also provided with a second air-passageway leading from the first-mentioned passageway and having its outlet end located at the end of the body having the receptacle-attaching means, a check

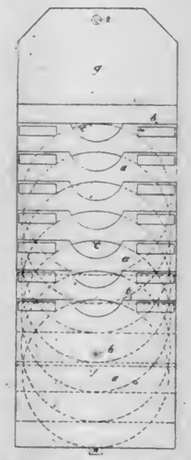
valve at the junction of the passageways, the inlet end of the first-mentioned passageway having a seat to receive said valve, said passageway having an enlargement forming a chamber in which the check valve is located, a rib formed in said enlargement at the junction of said passageways to limit movement of said valve in the direction of said second passageway and the outlet of said first mentioned passageway from said enlargement, to prevent closing of the same, a liquid delivery tube passing through the body and having its inlet end extending from the aforesaid end thereof, and its outlet end projecting from the nipple, and a cap mounted on said nipple over the projecting outlet end of the tube, said cap having a discharge orifice in line with the outlet end of the tube.

1,503,630. DUPLEX REPEATER. WILLIAM J. HERDMAN, Toronto, Ontario, Canada. Filed July 10, 1920, Serial No. 395,251. Renewed Dec. 26, 1923. 9 Claims. (Cl. 179—170.)



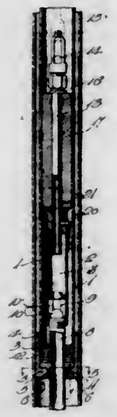
1. In a signal repeater, a line circuit to carry input energy, two local circuits adapted to receive electrical energy in unequal quantities respectively from said line circuit, a conductor common to said two local circuits and in which conductor the electrical energy in one circuit opposes the electrical energy in the other circuit, a detector in said common conductor and responsive to the surplus of electrical energy in one local circuit over the electrical energy in the other local circuit, an output source controlled by said detector, a local circuit for said output source; and a second line circuit associated with said last mentioned local circuit and adapted to carry output energy.

1,503,631. MEANS FOR STORING GRAMOPHONE RECORDS. GEORGE ARTHUR HOLT, Manchester, England. Filed Aug. 21, 1920. Serial No. 404,977. 1 Claim. (Cl. 129—15.)



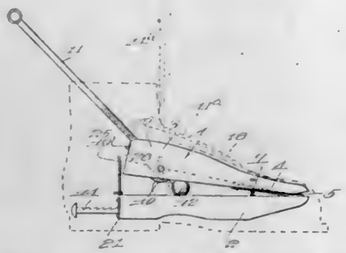
A storage receptacle, comprising a series of superposed envelopes each having a back and front and being open at one end and closed at the other, and short strips of flexible material normally folded double, said strips being secured in pairs between the adjacent surfaces of the envelopes at points between their open and closed ends, said strips permitting each envelope to be slid longitudinally over the closed end of the envelope next beneath it, commencing with the envelope at the top of the series, so as to expose the front surface of each lower envelope at a point adjacent to its open end.

1,503,652. OIL PUMP. CHARLES W. HOWE and JESSE J. ROBERTSON, Ardmore, Okla. Filed June 21, 1923. Serial No. 646,965. 3 Claims. (Cl. 103—179.)



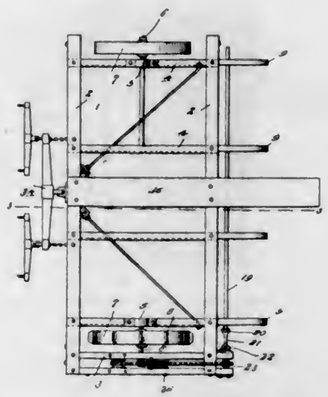
1. An oil pump element comprising a cup-like coupling adapted to be threaded on the lower end of a working barrel, and a standing valve carrying tube rising rigidly from and non-rotatable with respect to the bottom of said coupling, said coupling being adapted to contain packing rings to be clamped thereby against the lower end of the working barrel, rotation of said tube serving to thread said coupling tightly upon the working barrel to compress said packing rings.

1,503,653. SHOE-STRETCHING LAST. GRANVILLE R. HURT, Chanute, Kans. Filed Mar. 9, 1921. Serial No. 450,845. 8 Claims. (Cl. 12—128.5.)



1. A shoe stretcher consisting of a pair of last members, means for forcing the toe ends of said members apart, said means consisting of a ball and screw bolt, means for holding the rear ends of said members together, the upper of said members having a longitudinal slot therein in which said bolt operates, a nut pivotally mounted in said slot through which said bolt is threaded, and a leaf spring connecting said members, one end of said spring being connected to the toe of the bottom of said members and the other end of the spring being connected to the other of said members inwardly of its toe.

1,503,654. WEED EXTERMINATOR. FRANCIS M. KELSO, Lind, Wash. Filed Oct. 21, 1922. Serial No. 595,935. 1 Claim. (Cl. 97—42.)



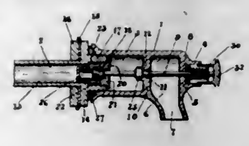
In a weed exterminator, a frame comprising front and rear bars and end bars, transverse channel irons extending across said frame and carried by said front and rear bars and projecting beyond said rear bar, axles journaled in said end bars and the adjacent transverse channel irons, ground wheels on said axles, respectively, curved sections carried by the rear ends of said channel irons, respectively, ground engaging teeth carried by the lower ends of said curved sections, each tooth comprising a body portion formed of a horizontal flange and a vertical flange and a block carried by said flanges, said flanges at the forward end of the tooth and the forward end portion of said block being formed to provide a penetrating prong or point.

1,503,655. FLUSH VALVE. DOMINIC LANDRO, Hazleton, Pa. Filed May 18, 1922. Serial No. 561,942. 3 Claims. (Cl. 4—57.)



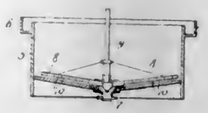
1. A flush valve comprising a normally spherical elastic ball, a metallic cap of conical form bearing against and compressing the upper portion of the ball, and means for drawing the upper portion of the ball within the cap to cause it to assume the conical form of the cap, said cap having its lower edge extended slightly below the horizontal diameter of the ball and conforming to the spherical wall thereof to retain the ball within the cap.

1,503,656. FAUCET. GEORGE R. LONG, Waterbury, Conn., assignor to Cordley & Hayes, New York, N. Y., a Corporation of New York. Filed Feb. 13, 1923. Serial No. 618,833. 2 Claims. (Cl. 251—137.)



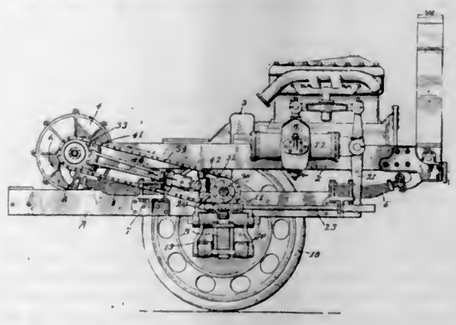
1. In a push faucet a valve rod, an inwardly opening main valve carried by the valve rod, a spring acting on the valve rod to hold the valve to its seat, and a second valve carried by said valve rod in rear of the main valve adapted to cut off pressure of liquid from the tank against the main valve said second valve being so arranged that the pressure of the liquid from the tank acts against it at right angles to the direction of movement of the valve rod.

1,503,657. PROCESS OF MANUFACTURING SUGAR. PHILLIP M. MCHUGH, Denver, Colo., assignor to The Dorr Company, a Corporation of Delaware. Filed Apr. 26, 1920. Serial No. 376,477. 4 Claims. (Cl. 127—57.)



2. In a process of manufacturing sugar, the improvement in the separation of sugar juices from solid matter admixed therewith which comprises subjecting a mixture of sugar juice and solid matter in a stratum of substantially uniform depth to sedimentation and decantation in the course of which solid matter settles by gravity towards the bottom of the stratum and sugar juice is continuously decanted from near the top of the stratum, continuously feeding a mixture of sugar juice and solid matter to the stratum, continuously and mechanically moving the settled solid matter in proximity to the bottom of the stratum towards the center thereof, and continuously discharging solid matter from near the bottom of said stratum in the form of a thickened product containing about equal parts of solid matter and liquid.

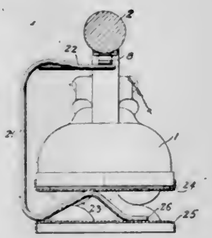
1,503,658. TRACTOR. WILLIAM W. MACDONALD, San Francisco, Calif. Filed June 23, 1920. Serial No. 391,096. 10 Claims. (Cl. 180—12.)



1. In a tractor of the character described a main frame, an axle supporting the same, a steering knuckle on each end of the axle, a traction wheel on each knuckle,

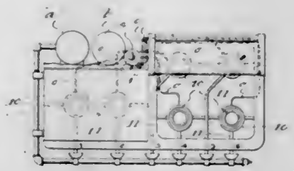
springs parallel with the axle and supporting the frame with relation to the axle, said springs permitting lateral rocking movement of the axle with relation to the main frame, and also permitting a slight turning movement of the axle with relation to the main frame, an internal gear on each wheel, a horizontal bearing on each knuckle, a shaft in each bearing, a pinion on each shaft and intermeshing with the adjacent internal gear, a horizontal bearing adjacent each end of the axle and positioned above the same, a shaft journalled in each of said bearings, means for driving each of said shafts, and a universal driving connection between each of said shafts and the shaft carried by the knuckles.

1,503,659. SADIRON. THOMAS J. MADIGAN, New York, N. Y. Filed Jan. 3, 1922. Serial No. 526,593. 3 Claims. (Cl. 219—23.)



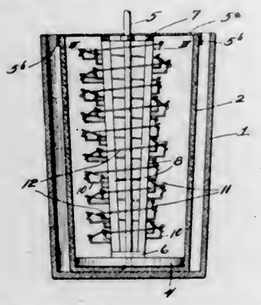
1. In combination with an electrically heated iron having a normally open circuit controlling switch provided with an operating arm disposed below the handle in position to be closed by the fingers of the user when the handle is grasped, a heat insulated stand for the iron having means for engaging the switch when the iron is on the stand to close the switch and released from the switch when the iron is displaced from the stand, said means comprising a standard frictionally engaged with the stand and having a lateral arm extending beneath the handle when the iron is on the stand.

1,503,660. OIL STOVE. ALBERT MEADOWS and ALVIN G. SHERMAN, Detroit, Mich., assignors to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1923. Serial No. 623,620. 11 Claims. (Cl. 158—81.)



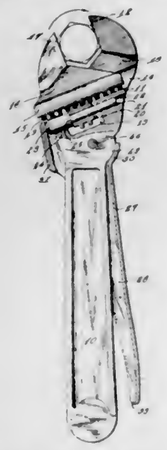
10. In a priming system for oil stoves, the combination of a storage tank, means therein for maintaining the level of the exposed liquid in said storage tank at a constantly low level, a distributing tank in communication with the bottom of the storage tank and in which the level of the fluid is the same as the exposed liquid in the storage tank, a plurality of distributing conduits for connecting the separate burners having communication with the interior of the distributing tank above the constant level line, and means for measuring a quantity of liquid out of the bottom of the distributing tank and lifting and selectively delivering it into any one of the distributing conduits.

1,503,661. SANCTUARY LAMP. BERNARD MÜLLER-THYM, Kansas City, Mo. Filed June 26, 1922. Serial No. 570,992. 8 Claims. (Cl. 67—36.)



1. In a sanctuary lamp, the combination of a vessel containing oil, a wick support resting on the bottom of said vessel, a second wick support secured in a position above the surface of the oil in said vessel, and a wick connected at its opposite ends to said supports and extending in an inclined position with respect to the surface of the oil.

1,503,662. WRENCH. WILLIAM A. NORTON, Marshalltown, Iowa, assignor of three-fourths to Raymond P. Norton, Algona, Iowa. Filed Dec. 6, 1921. Serial No. 520,337. 2 Claims. (Cl. 81—165.)

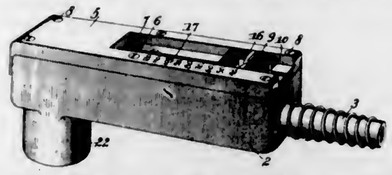


1. A wrench comprising a handle having a head and a fixed jaw, the said head being provided with an opening, one edge of said handle being provided with an outwardly extended curved portion, a movable jaw slidably mounted in said head, a lever pivoted to the said head having a portion designed to engage the said curved portion of said handle, said curved portion being concentric to the pivot of said lever, and means actuated by said lever for moving said slidable jaw member toward or from the said stationary jaw member.

1,503,663. AIR CHUCK. JAMES W. PRICE, Tulsa, Okla., assignor to Tulsa Invention Company, Tulsa, Okla., a Corporation. Filed Nov. 16, 1922. Serial No. 601,377. 4 Claims. (Cl. 137—53.)

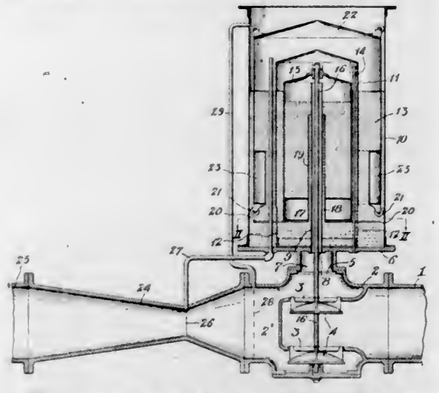
2. An air chuck comprising a body having an upstanding wall defining a chamber, a head having a bore communicating with the chamber and having a relief orifice leading from the bore, a piston in the bore covering the orifice, a lever pivoted in the chamber engaging one end of the piston, a lid mounted upon said wall to complete

the chamber, said lid having a pair of slots, a thumb piece slidable in one slot and having a shank extending



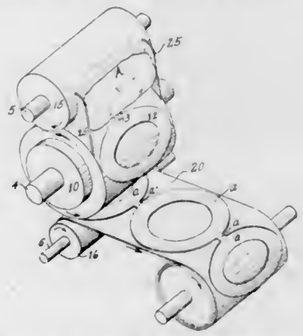
through the other into the chamber, and means carried by the shank slidable along the lever to vary the pressure upon said piston.

1,503,664. GOVERNOR FOR CONTROLLING GAS FLOW. RALPH B. RICHARDSON, Peoria, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 16, 1922. Serial No. 594,936. 3 Claims. (Cl. 50—10.)



1. The combination of a gas main; a static governor for said main; an auxiliary governor including a movable member having a sealed chamber; and means controlled by the dynamic effect of the gas flowing through said main for producing a differential pressure upon opposite sides of the chamber's walls, whereby said member may be actuated to engage said static governor and oppose its reducing action.

1,503,665. METHOD OF AND APPARATUS FOR MAKING ANNULAR SHEETS OF RUBBER. FRED THOMAS ROBERTS, Cleveland, Ohio. Filed Dec. 29, 1919. Serial No. 348,096. 5 Claims. (Cl. 18—56.)



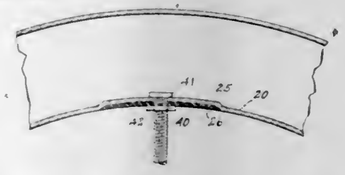
1. The method of producing annular sheets and thickening them, comprising passing raw rubber between calendering rolls, one of which is formed with connected cavities, passing between the forming roll and a coacting roll a strip of canvas carrying a thin sheet of raw rubber, the formed concatenated annui being caused to adhere to such thin sheet, and winding up the resultant produced as a unit.

1,503,666. MOLD FOR MAKING HOLLOW ARTICLES OF PLASTIC MATERIAL. FRED THOMAS ROBERTS, Philadelphia, Pa. Filed July 9, 1921. Serial No. 483,404. 21 Claims. (Cl. 18—42.)



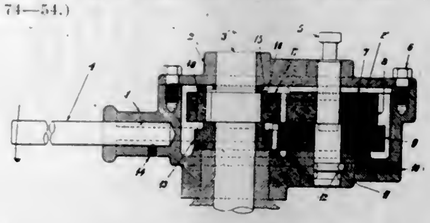
1. A mold of the class described, comprised substantially of a mold holder having a base plate and a series of individual cylindrical mold members having mold cavities in one end thereof and having projecting edges surrounding the cavities, said members being seated in cylindrical openings in the mold holder and having their extreme ends opposite the cavitary ends engaging the base plate, whereby adjustment of the individual members may be made to position said edges at a common height from the base of the mold holder.

1,503,667. METHOD OF MAKING HOLLOW RUBBER ARTICLES. WILLIAM E. ROBERTS, Andover, Mass. Filed Dec. 29, 1919. Serial No. 348,094. 6 Claims. (Cl. 154—14.)



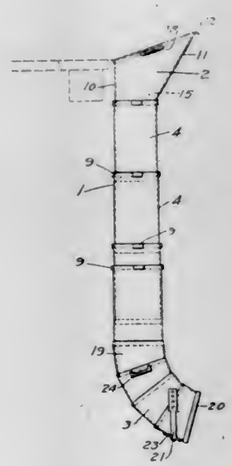
6. The method of making pneumatic tubes for vehicle tires comprising forming a tubular member as a closed body, applying a patch to the exterior thereof while the body is uncured, vulcanizing the tubular member and patch with the patch and adjacent portion of the tubular member forced by internal fluid pressure against a surface adapted to cause the patch to seat in an inwardly depressed portion of the tubular member, and inserting a nipple through the patch and tubular member.

1,503,668. ARBOR PRESS. BERNARD P. SCHILTZ, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 21, 1920. Serial No. 418,458. 6 Claims. (Cl. 74—54.)



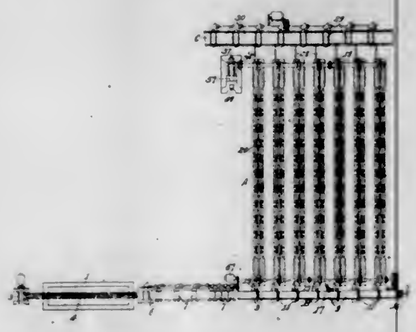
1. In actuating mechanism of the class described, the combination with a driving pinion associated with a plunger, of an actuating gear therefor, a stationary gear, a reduction gear meshing with the latter, connecting means for driving the actuating gear from the reduction gear and means whereby the power to the mechanism may be applied directly without reduction, substantially as set forth.

1,503,669. TELESCOPIC SIDE PORT LOADING CHUTE. LOUIS H. SIMON, Seattle, Wash. Filed Aug. 21, 1923. Serial No. 658,630. 5 Claims. (Cl. 193—30.)



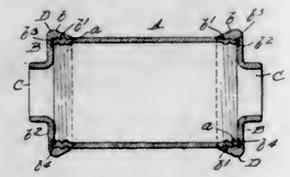
1. In a chute a series of telescoping sections each of said sections being larger than the preceding section; means for stopping the outward movement of the sections; other means for stopping the inward movement of the sections; a hopper at the upper end of the upper section; a curved section at the lower end of the lower section; a bail on the lower section by which it may be held; and a means projecting from the upper section by which it may be supported.

1,503,670. SHEET-BAR-HANDLING MECHANISM. WILLIAM J. SROOP, Wheeling, W. Va. Filed May 13, 1922. Serial No. 560,587. 15 Claims. (Cl. 80—42.)



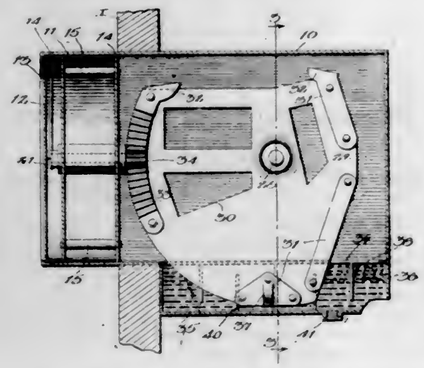
1. A sheet-bar handling mechanism comprising a transfer table, means for delivering sheet-bars in a lengthwise direction to said table, a cooling bed having one end located adjacent to said table, rotating means for shifting bars laterally from said table to said cooling bed, said bed comprising a plurality of parallel traveling endless conveyors, a carrying-off table located adjacent to the opposite end of said cooling bed and adapted to receive said bars from the latter and to transport said bars to a piling point, and means for advancing the conveyors of said cooling bed intermittently.

1,503,671. DRUM FOR SPINNING MACHINES. WILLIAM J. TALLMAN and CHARLES J. BACON, Buffalo, N. Y., assignors to Dupont Fibersilk Company, Tonawanda, N. Y. Filed Jan. 17, 1924. Serial No. 686,724. 6 Claims. (Cl. 242—124.)



1. A spinning machine drum for use in the manufacture of artificial silk or the like, including a hollow, open-ended glass cylinder, and protective end pieces made of material which is not readily broken and held on the open ends of said cylinder and having parts extending radially beyond the periphery of said cylinder, and parts extending axially beyond the ends of said cylinder and upon which said drum may be supported in upright positions.

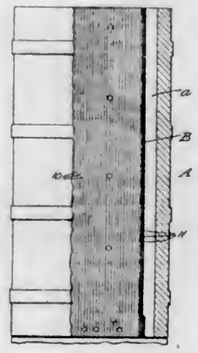
1,503,672. GRADE METER. FRED WM. THOMPSON, Palms, Calif., assignor of one-half to Burt C. Hunnicutt, Los Angeles, Calif. Filed Apr. 15, 1921. Serial No. 461,561. 5 Claims. (Cl. 33—220.)



1. In a grade meter, a casing, an indicator including a chart, a pointer coacting with the chart and a rotatable shaft carrying the pointer, gravity control means for governing the indicator including a pivoted control plate, motion transmission means between the plate and the shaft including a segmental gear fixed to the plate and a pinion fixed to the shaft and meshed with the segmental gear, means for retarding or dampening the action of said gravity control plate comprising a reservoir, having fluid therein in which a portion of said control plate is immersed and operates, and stop lugs carried by the control plate and engageable with the casing for limiting the motion of the control plate in either direction.

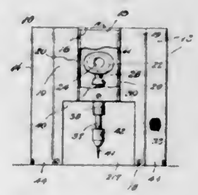
1,503,673. DRAINAGE PLATE FOR EXPRESSING PRESSES. CHARLES B. UPTON, Piqua, Ohio. Filed Feb. 7, 1922. Serial No. 534,820. 10 Claims. (Cl. 100—50.)

1. A side lining plate for press cages having spaced vertically disposed drainage slits in the side thereof which faces the material being pressed, a plurality of horizontally extending open faced grooves in the opposite side of the plate and each connecting with a plurality of said slits, whereby solid material forced through said slits passes out of the open faces of said grooves transversely of said grooves in the form of thin tapes, and parts at said opposite side of said plate for causing said tapes to break up as they pass out of said grooves.



10. A new article of manufacture for use as a press plate consisting of a unitary body having in its under face a plurality of spaced relatively wide grooves said body having a plurality of relatively narrow spaced slots leading in from the top face of the body and communicating with the grooves, the slots being arranged to extend across the body substantially transversely of the grooves.

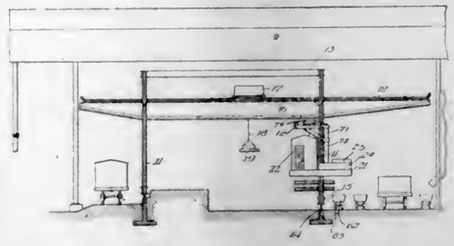
1,503,674. PERFORATING MACHINE. EDWARD URDANG and HARRY H. LE VITA, New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,441. 5 Claims. (Cl. 164—89.5.)



1. In a perforating machine, the combination of a motor, a reciprocating tool bar remote from the motor, an actuating member extending between the motor and the bar for reciprocating the latter from the motor, a casing inclosing the motor and also said actuating member and in which the end of the actuating member remote from the motor is operatively supported, said motor casing serving as a hand grasp and as a supporting means for the device in operation, and means formed on the sides of the motor casing serving as guiding means in connection with a straight edge arranged substantially in alignment with the side of the reciprocating tool bar, substantially as set forth.

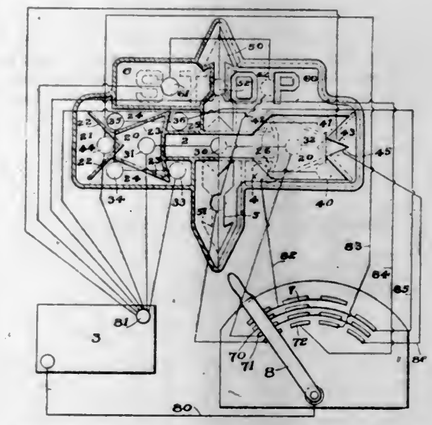
1,503,675. CRANE. FREDERICK K. VIAL, La Grange, Ill., assignor to Griffin Wheel Company, Chicago, Ill., a Corporation of Massachusetts. Filed Dec. 22, 1919, Serial No. 346,533. Renewed June 28, 1924. 19 Claims. (Cl. 214—2.)

1. In an apparatus of the character described, the combination of a gantry crane frame, a crane movable on said frame, a dumping mechanism carried on the frame and adapted to receive material from said crane, a fixed reservoir bin carried on the frame adjacent said dumping mechanism and also adapted to receive material from said crane, and a scale mechanism associated with



said dumping mechanism and adapted to weigh the material delivered onto said dumping mechanism from said crane or from said bin.

1,503,676. AUTOMOBILE TRAFFIC SIGNAL. CHARLES H. VOLL, Seattle, Wash. Filed Sept. 5, 1922. Serial No. 586,259. 1 Claim. (Cl. 177—329.)

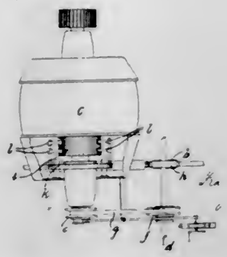


A traffic signal for automobiles comprising a signal box having partitions extending from the face thereof inwardly and dividing it into a central horizontal chamber outlining the shaft of a conventional arrow, right and left chambers one at each end of said central chamber outlining a conventional arrow head having its tip cut off by a re-entrant point which forms the re-entrant of the angle at the wing end of a conventional arrow, two chambers at opposite sides of each arrow head complementally with said arrow head outlining the wings of a conventional arrow, and a chamber at each end having a window outlining the tip of each arrow head, illuminating means in said chambers and means for selectively controlling said illuminating means to illuminate only the central chamber and the right and left chambers or to illuminate the chambers which form an arrow pointing in either direction.

1,503,677. CONTROLLING MEANS FOR CONTROLLING A SERIES OF ELECTRIC MOTORS. FRANK GREAVES WARBURTON, London, England. Filed Mar. 26, 1920. Serial No. 368,923. 2 Claims. (Cl. 172—293.)

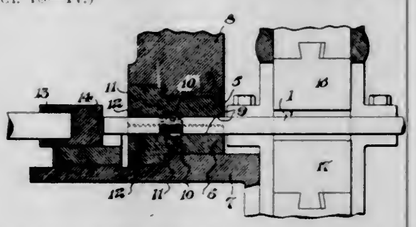
1. In a system of motor control for the drive of the rolls of paper machines and the like, a plurality of alternating current commutator motors with brushes engaging therewith, a master control member comprising a shaft extending lengthwise of the drive and adjacent

each of said motors, a differential train of gearing interposed between said master control member and each of the motors to be controlled, said differential gearing including a worm rotatable with and axially movable on said shaft, a sleeve axially movable on said shaft, a rack



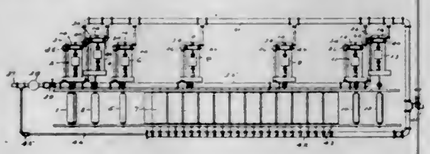
on said sleeve, a pinion supporting the brushes of each motor to be controlled, said pinion meshing with said rack, and a change speed device interposed between one side of the differential train and its driving member, substantially as and for the purpose set forth.

1,502,678. APPARATUS FOR MAKING DRILL STEELS. WADE H. WISEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 10, 1917. Serial No. 147,809. 8 Claims. (Cl. 78—17.)



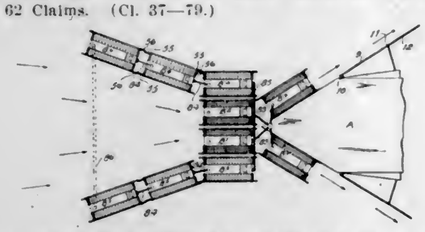
2. In combination, a pair of dies each having a longitudinally extending steel clamping channel therein, a similarly arranged steel receiving passage and a laterally extending pocket connecting the ends of said channels, and means for upsetting into said pocket steels clamped between said dies, said dies being operative to clamp a steel within said clamping channel and hold the same against longitudinal movement during the entire period of upsetting thereof.

1,503,679. PAPER-MACHINE DRIVE. GEORGE S. WITHAM, Jr., Hudson Falls, N. Y. Filed Sept. 19, 1923. Serial No. 663,699. 17 Claims. (Cl. 92—38.)



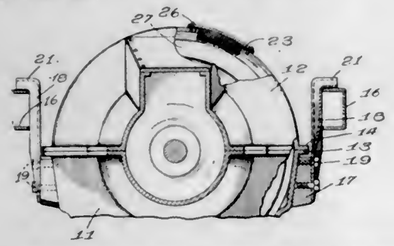
1. The combination with a machine comprised of a plurality of co-operating but independently driven units, of means for supplying a heated fluid under pressure to parts of the machine for heating the same, and a motive unit connected to and adapted to drive each of said machine units, said motive units being actuated by and reducing the pressure of said heating fluid before it is conducted to the machine and used for heating purposes.

1,503,680. DREDGING SYSTEM. CARL J. BAER, St. Louis, Mo. Filed Nov. 29, 1922. Serial No. 603,904. 62 Claims. (Cl. 37—79.)



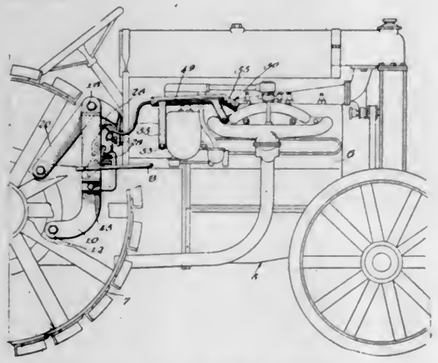
1. The method of forming a channel in a bed of running water, which consists in laterally confining the water to a certain path, and in simultaneously scraping the surface of said bed within the confines of said path.

1,503,681. TRANSMISSION HOUSING AND SUPPORT THEREFOR. THOMAS A. BARKER, Yatesville, Ga. Filed Jan. 2, 1923. Serial No. 610,305. 2 Claims. (Cl. 180—64.)



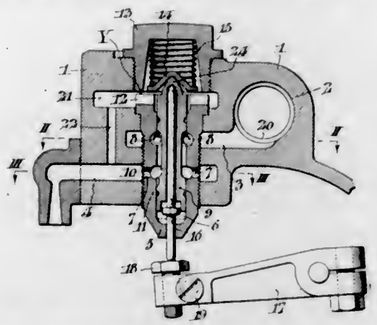
1. The combination with the longitudinal frame members of an automobile and the transmission housing thereof; of means to support the transmission housing from said longitudinal frame members comprising distance blocks fixedly secured to the sides of the housing and having their outer surfaces substantially vertical, hangers each having a vertical leg bearing at its lower portion against the outer surfaces of the respective distance blocks, and a horizontal leg extending over the top of the longitudinal frame member, and means for detachably securing said hangers to said frame members and distance blocks.

1,503,682. AUTOMATIC CLUTCH-RELEASE DEVICE. FRANK Y. BOYRIE, Hilo, Territory of Hawaii. Filed Sept. 8, 1923. Serial No. 661,686. 5 Claims. (Cl. 180—82.)



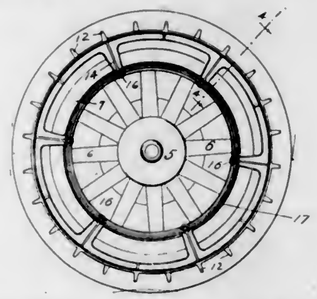
1. An automatic clutch release comprising a supporting member having means whereby the same may be secured to a tractor, a latch pivoted to the supporting member and having a notch, and a spring partially received in said notch and adapted to engage the clutch pedal of the tractor to depress the same.

1,503,683. CONTROLLING VALVE FOR ENGINES ACTUATED BY STEAM OR OTHER MOTIVE FLUID. LEWIS A. DARLING, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1918. Serial No. 267,464. 21 Claims. (Cl. 251—75.)



1. The combination of a casing having overlapping isolated passages arranged in different planes and an opening intersecting said passages; a valve mounting structure in said opening comprising a sleeve held firmly seated and fixed by screw threaded engagement of said structure with said casing, said sleeve having ports which communicate with the aforesaid passages in the casing; a valve body longitudinally movable in said sleeve and cooperating with said ports to control the passage of fluid therethrough; and yielding means mounted in said valve mounting structure whereby said valve body is normally urged in one direction in said sleeve.

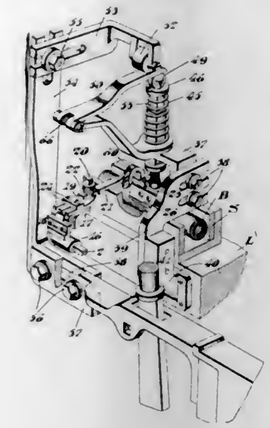
1,503,684. AUXILIARY TRACTION-WHEEL RIM. HUGH B. FOLEY, Minneapolis, Minn. Filed Oct. 13, 1920. Serial No. 416,728. Renewed Jan. 2, 1924. 6 Claims. (Cl. 301—40.)



3. The combination with a vehicle wheel, of inside and outside traction rims having arms projecting radially inward therefrom, said arms having integral laterally offset lugs engageable with the wheel rim, and bolts connecting the arms of said outside and inside rims and clamping said rims to said wheel, the arms of said outside rim being rigidly connected by a tie-ring cast integral therewith.

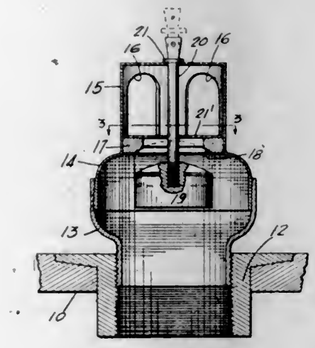
1,503,685. FEELER MECHANISM FOR LOOMS. HENRY H. GOVE, Biddeford, Me.; Charlotte M. Gove administratrix of said Henry H. Gove, deceased. Filed June 26, 1920. Serial No. 391,920. 9 Claims. (Cl. 139—272.)

1. In a loom having power operated means for automatically effecting a predetermined change therein, a caliper feeler mounted for engagement with the bobbin in the running shuttle, mechanism for moving said feeler downwardly into the top of the shuttle box into engagement with said bobbin and out of engagement therewith



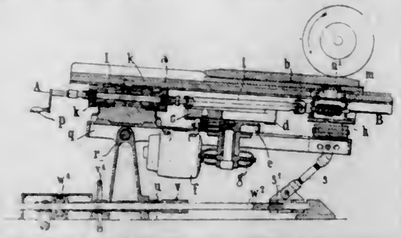
again, and an actuator for said means pivotally connected with said feeler and dependent for its movement into operative position upon a substantial increase in the downward movement of said feeler when the filling on said bobbin reaches a point of critical exhaustion.

1,503,686. FLOAT VALVE. NICHOLAS GRILICH, Los Angeles, Calif., assignor of one-half to Henry E. Fletcher, Gila Bend, Ariz. Filed Aug. 3, 1921. Serial No. 489,422. 1 Claim. (Cl. 137—104.)



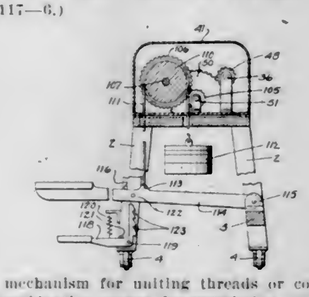
A float valve construction comprising the combination with a watering trough having a central opening, of an internally threaded nipple mounted in the central opening, a supply pipe connected to the nipple, a bowl-shaped member screwed down into the nipple and having an open internally threaded upper end, a bell-shaped cap screwed into the upper end of the bowl-shaped member and having a straight upper portion with side openings, a valve seat mounted in the lower part of the straight portion below the openings, a disk valve adapted to fit the valve seat, a solid stem connected to the disk valve and extending upwardly through a bearing above the valve seat and through a second bearing above the openings, a flexible member connected to the upper end of the stem, a float connected to the upper end of the flexible member, and a flange upon the upper end of the stem above the bearings to limit the downward movement of the valve.

1,503,687. APPARATUS FOR GRINDING, ABRADING, OR POLISHING METAL AND OTHER SURFACES. HENRY JAMES HUNT, London, England. Filed Mar. 21, 1921. Serial No. 454,027. 17 Claims. (Cl. 51—240.)



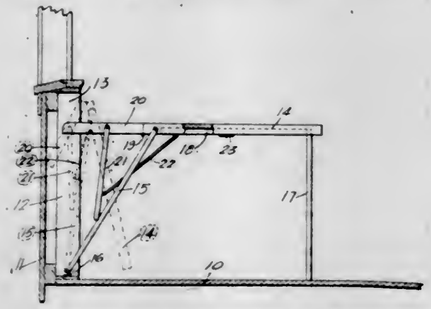
1. Apparatus for grinding or polishing the surface of a work-piece comprising a work-holder, a grinding or polishing element fixed in space in relation to said work-holder, mechanical means for oscillating the work-holder past the grinding element in the plane of the surface to be treated and means actuated by said oscillating means for automatically and simultaneously feeding the work also in the plane of its surface so that successive portions of the surface will be uniformly treated.

1,503,688. MACHINE FOR UNITING THREADS OR CORDS. WILLIAM H. PEARSON and TIMOTHY J. KELLY, Passaic, N. J., assignors to Brighton Mills, a Corporation of New Jersey. Original application filed Apr. 12, 1921, Serial No. 460,725. Divided and this application filed Dec. 1, 1921. Serial No. 519,259. 16 Claims. (Cl. 117—6.)



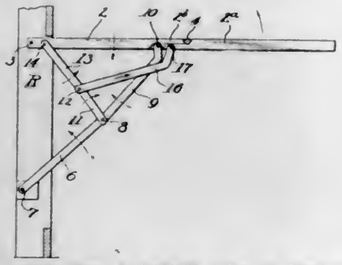
1. A mechanism for uniting threads or cords, including in combination means for untwisting and retwisting the threads, workman operated means for operating said means in one direction for untwisting the threads, and an energy storing device, in which energy is stored by the operation of the said means for the untwisting operation, for operating said means in the other direction for retwisting the threads.

1,503,689. TABLE. AUGUST H. KROSCHEL, Los Angeles, Calif. Filed June 20, 1921. Serial No. 478,964. 4 Claims. (Cl. 45—51.)



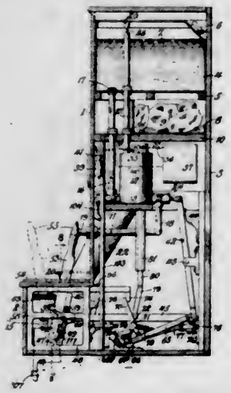
1. In combination, a table composed of inner and outer members hinged to each other, supporting members having their lower ends pivotally mounted and their upper ends pivotally connected to the sides of the outer table member, and spring held braces pivotally connected to the sides of the inner table member and bearing at their lower ends upon the intermediate portions of said supporting members.

1,503,690. SELF-LOCKING HINGE. AUGUST H. KROSCHEL, Los Angeles, Calif. Filed May 18, 1923. Serial No. 639,935. 3 Claims. (Cl. 45—51.)



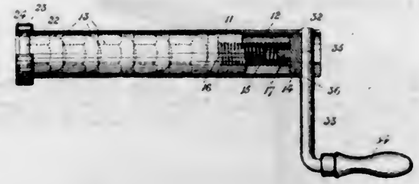
1. In combination, a foldable table or ironing board structure including a pivotally supported, inner section and an outer board section hinged to the outer end of the inner section, a pair of toggle links at each side of the inner section and attached to the outer end thereof and attached pivotally to primary supports below the pivoted end of the inner section, pairs of brace links connected to the inner end of the inner section and to the intermediate pivots of the toggle links, and actuating links connected to the intermediate pivots of the brace links and to the outer board section so as to be operated thereby to disalign the extended links when the board is folded from the horizontal position.

1,503,691. DISPENSING APPARATUS. WILLIAM R. LOVE, Armour, N. C. Filed Oct. 28, 1919. Serial No. 334,010. 13 Claims. (Cl. 225—21.)



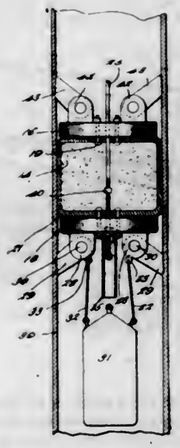
1. In a dispensing apparatus for liquids, a reservoir for the liquids, a measuring receptacle for the liquid, a pipe for the inflow of liquid from the reservoir to the receptacle, a pipe for the discharge of liquid from the receptacle to a point of disposal, mechanically connected spaced valves for and individual to the inlet and outlet of the measuring receptacle, manually operable means accessible to a customer for operating the valves, means between the accessible manually operable means and the valve including a pull rod and lever, full-stroke means having a link member connected to the pull rod, a latch having one member carried by the link, and another member carried by the pull rod, and a fixed throw-off in the path of that member of the latch carried by the link.

1,503,692. MAGAZINE SPANNER. WILFRID JUSTIN MCCARTHY, Kenilworth, England. Filed Aug. 15, 1923. Serial No. 657,548. 4 Claims. (Cl. 81—125.)



1. A magazine spanner comprising in combination a tube having one end thereof formed as the acting end of a spanner, lengths of wire disposed within the walls of the tube and having their central portions projecting within the bore of said tube, an annular spring surrounding said wire lengths and abutting their outer extremities and means for positioning said spring relative to said wire lengths.

1,503,693. WELL STOPPER. GEORGE H. MCLEAN, Tampico, Mexico. Filed May 24, 1923. Serial No. 641,200. 14 Claims. (Cl. 166—13.)

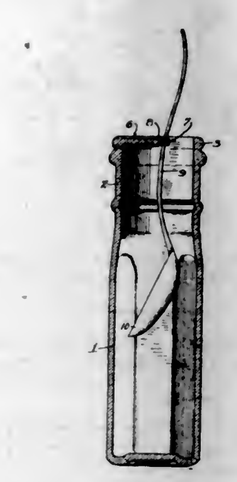


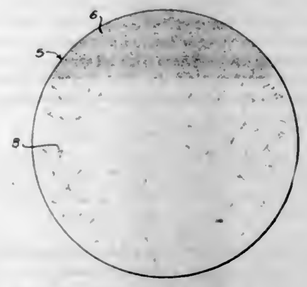
2. A well packer comprising a pair of disks, a yieldable packing element arranged between the disks and connected thereto, pivoted pawls connected to said disks and adapted for engaging the wall of the well whereby to anchor the packing element, and a weight connected to said stem and to the lower pawls for urging the lower pawls outwardly into engagement with the wall of the casing whereby to permit the expansion of the packing element.

1,503,694. BOTTLE. FRANK G. MCPHERSON, Beaver Falls, Pa. Filed Apr. 19, 1923. Serial No. 633,115. 5 Claims. (Cl. 215—1.)

1. A bottle having at its mouth an integral substantially horizontal wall or partition extending partially across the same from one side to restrict the outlet, said partition being arranged transversely of the neck of the bottle and spaced from the other edge of the neck, so as to leave a space for the insertion and support of a spoon in a substantially upright position.

1,503,695. PROCESS OF TREATING GLASS. FRANK G. MCPHERSON, Beaver Falls, Pa. Filed June 28, 1923. Serial No. 648,323. 5 Claims. (Cl. 91—67.9.)





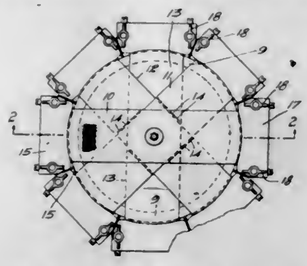
1. The process of treating glass, which consists in coating portions of its surface with a liquid having a high degree of transparency, then treating it by impression or contact before it is dry to remove the gloss, and then allowing the same to dry.

5. The process of treating glass having a frosted surface which consists in applying a coating to its surface, then impressing the same before it is dry with a textile fabric, and then allowing it to dry.

1,503,696. DIAPHRAGM. CHARLES MESSICK, Brentwood, N. Y. Filed Jan. 19, 1918, Serial No. 212,568. Renewed Sept. 13, 1920. Serial No. 410,007. 3 Claims. (Cl. 181—32.)

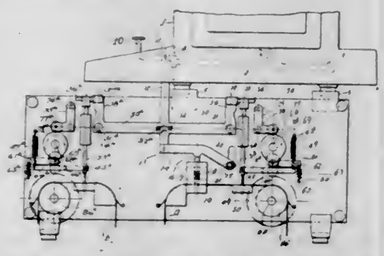
1. A diaphragm structure including a stationary peripheral stretching frame and a vibratory portion mounted

concentrically therein, said vibratory portion being tensioned at the frame along many radii and having sub-



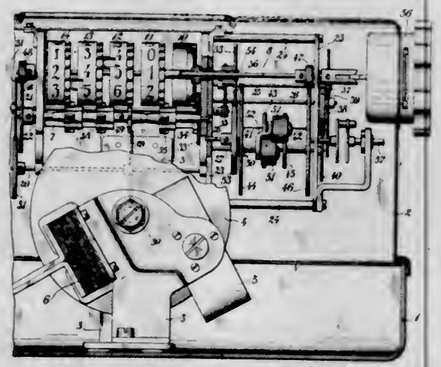
stantially the same cross-sectional area under radial tension at all imaginary concentric sections thereof.

1,503,697. AUTOMATIC TYPEWRITING MACHINE. TASSO D. METROPOLE and TASSOS M. COTTAKIS, New York, N. Y. Filed Mar. 15, 1922. Serial No. 543,875. 14 Claims. (Cl. 197—20.)



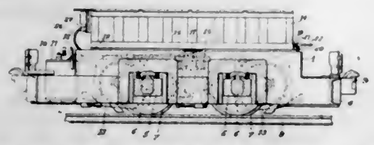
1. An automatic typewriting machine comprising a plurality of typebar levers, a plurality of actuating levers respectively connected to the typebar levers, an actuator for said levers, an interponent movable into and out of position to cause the actuator to move the actuating levers, means for presenting and feeding a controller strip, and means upon which the interponent is mounted for finding a perforation in the controller strip and thereby moving the interponent into actuating position.

1,503,698. PREPAYMENT METER. JOSEF METTLER, Zug, Switzerland, assignor to the Firm Landis & Gyr A.-G., Zug, Switzerland. Filed Apr. 10, 1922. Serial No. 551,398. 7 Claims. (Cl. 235—91.)



1. In a device on prepayment meters for gas, water, electricity, or similar commodity with two cyclometer counting trains turning freely on a common spindle, of which counting trains one indicates the total number of coins inserted and the other indicates the number of coins still unused, a spindle carrying loosely mounted décade wheels, this spindle controlling the first mounting train (actuated by the coin-receiving device) of the prepayment meter, and a spindle carrying a differential gear controlling the second counting train.

1,503,699. ELECTRIC LOCOMOTIVE. LAWRENCE H. MICHAELIS, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed June 16, 1919. Serial No. 304,587. 15 Claims. (Cl. 105—50.)



1. In an electric locomotive, the combination with a main frame, of wheels to support said frame, a motor within the frame connected with said wheels to drive them, a storage battery to supply electric current for the actuation of said motor, a box for said battery normally supported above said motor upon said main frame and adapted to rotary movement thereon to afford convenient access to said motor and means for guiding the box during such movement.

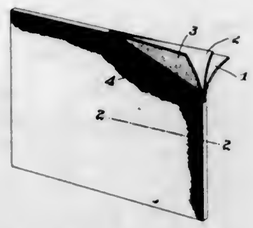
1,503,700. WINDOW SHADE. THOMAS JEFFERSON MOORE, Longview, Tex. Filed Aug. 5, 1921. Serial No. 490,010. 3 Claims. (Cl. 156—27.)

2. In a device of the character described, a frame constructed of a single piece of metal and including a cross bar, outwardly extending arms at the ends of the cross bar, coils at the ends of the arms presenting guide eyes and depending slide rods extending from the coils and having offset ends, and a slide hanger constructed of a single piece of metal and adjustably mounted on the frame and including a cross bar extending between and slightly beyond the slide rods, angular arms at the ends of the last-mentioned cross bar and embracing the slide rod and brackets depending from the angular arms.

1,503,701. PATCH AND METHOD OF MAKING THE SAME. HAROLD A. MORTON and MARION M. HARRISON, Akron, Ohio, assignors to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 14, 1921. Serial No. 469,489. 4 Claims. (Cl. 154—2.)

1. The hereindescribed method of forming a sheet of patching material which consists in superimposing on each other a plurality of layers of rubber compound,

one outer layer containing neither sulphur nor accelerator, the other layers containing respectively an accelerator and sulphur, the proportion of sulphur and accelerator being balanced so as to be just sufficient to effect

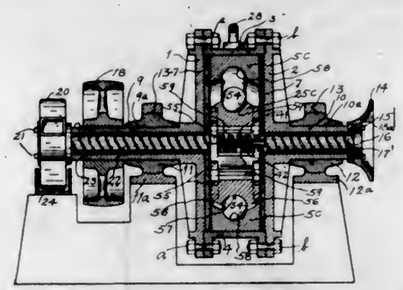


vulcanization of said last two layers and their union by vulcanization to the first named layer, leaving said first named layer unvulcanized, and thereafter effecting such vulcanization.

1,503,702. RUBBER VULCANIZATION AND PRODUCT THEREOF. HAROLD A. MORTON, Akron, Ohio. Filed Oct. 12, 1921. Serial No. 507,372. 4 Claims. (Cl. 18—53.)

1. The herein described method of accelerating the vulcanization of natural or artificial rubber or rubber-like substances by vulcanizing the same in the presence of ethylene diamine or any of its derivatives.

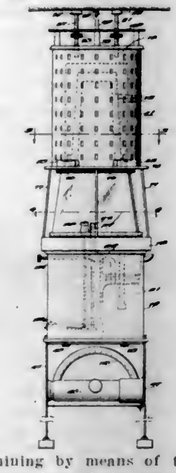
1,503,703. GRINDING MILL FOR ROCKS, ORES, AND LIKE MATERIAL. EDWARD H. MOYLE, Los Angeles, Calif. Filed June ., 1921. Serial No. 474,077. 7 Claims. (Cl. 83—9.)



1. In a grinding mill, a shell with removably fastened heads having hollow bearing extensions, means in one of the hollow bearing extensions for feeding the ore to be pulverized, and means in the other of the hollow bearing extensions arranged for discharging the pulverized material, a removable grinding die fastened within the shell, a freely rotating roll or rotor ring shoe having grinding means around its outer surface, a freely rotating grinding means arranged between the surface of the grinding die and the outer grinding surface of the freely rotating roll or rotor ring shoe, and means for revolving the shell and grinding die and its coacting appurtenances.

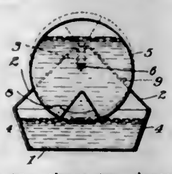
1,503,704. SURVEYING INSTRUMENT. CHESTER P. MULLENS and WARDIE C. ARGUST, Taylorville, Ill. Filed Nov. 22, 1923. Serial No. 676,303. 9 Claims. (Cl. 33—46.)

1. An instrument of the character set forth, comprising a support, a lamp rotatably mounted on the support, means for determining the position of the lamp with respect to the support, and means associated with the



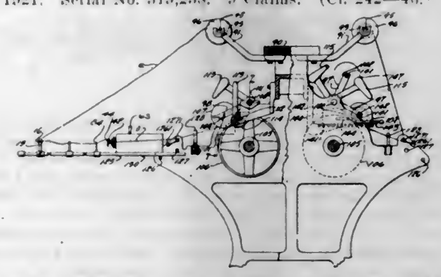
lamp for determining by means of the light projected therefrom a location beyond the instrument.

1,503,705. CHICKEN FOUNT. WILLIAM H. PARKER, Broken Bow, Nebr. Filed May 2, 1923. Serial No. 636,230. 4 Claims. (Cl. 119—77.)



2. A device of the character described comprising a trough, brackets rising from the trough and each comprising converging arms and a central depressed portion, a cylindrical water container provided with eccentric trunnions supported in the depressed portions of the brackets, the cylinder having an inwardly bent portion intermediate its ends to permit water to flow from the cylinder around both edges of the inwardly bent portion into the trough, and elements carried by the cylinder for engagement with the brackets to insure positioning the opening of the cylinder substantially over the longitudinal axis of the trough.

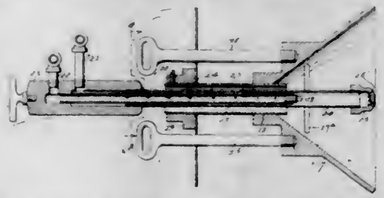
1,503,706. WINDING MECHANISM. WILLIAM H. PEARSON and TIMOTHY J. KELLY, Passaic, N. J., assignors to Brighton Mills, a Corporation of New Jersey. Original application filed Apr. 12, 1921, Serial No. 460,725. Divided and this application filed Dec. 1, 1921. Serial No. 519,258. 9 Claims. (Cl. 242—46.)



1. In combination in a winding mechanism, means for rotating a spool, a pair of pivoted arms for supporting the spool, cam means engageable directly with one

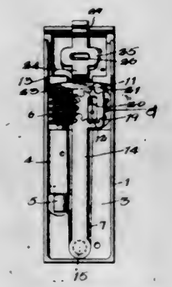
of said arms for raising the spool out of contact with the spool rotating means, a device for manually operating said cam means, and a weight pivoted to move with the pivoted arms for holding the spool in or out of contact with the spool rotating means.

1,503,707. OIL BURNER. IVER M. PETERSEN and DANIEL C. J. HARRIS, Beaumont, Tex. Filed Mar. 27, 1923. Serial No. 628,032. 1 Claim. (Cl. 158—15.)



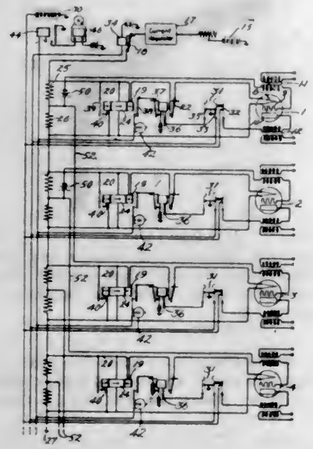
In a burner, a tube mounted to communicate with the interior of a furnace and slidably held in place, a hood on the inner end of the tube, said hood having an inwardly flared wall, a handle secured to the said hood and extending through the door whereby motion is imparted to the hood for sliding the tube in the door, the said hood having a peripheral slot, a tube extending through the first mentioned tube in spaced relation thereto whereby a channel is formed between the two tubes, a jet on the inner end of the second mentioned tube with relation to which the hood is movable for increasing or diminishing the space between the hood and the jet, an apertured tube within the second mentioned tube maintained in spaced relation thereto for forming a passage between the two tubes, a header to which the second and third mentioned tubes are connected, and pipes in communication with the third mentioned tube and with the space between the second and third mentioned tubes respectively, for supplying fuel and air to be commingled and forced to the jet, substantially as described.

1,503,708. HAIR CLIPPER. JAMES W. PRICE, Tulsa, Okla., assignor to Tulsa Invention Company, Tulsa, Okla., a Corporation. Filed Nov. 16, 1922. Serial No. 601,376. 4 Claims. (Cl. 30—1.)



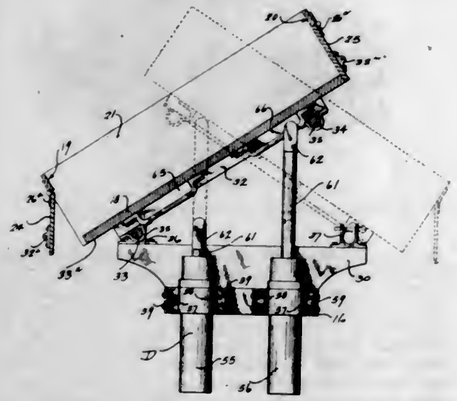
2. A hair clipper comprising a casing provided with an opening at one end, a shaft mounted for rotation in the casing and provided with a worm, an oscillating arm having one end pivotally mounted at one end of the casing and projecting through the opening at the other end of the casing, a plate integrally formed with and projecting laterally from the oscillating arm, said plate being provided with an elongated slot, a gear in mesh with the worm, a pin eccentrically mounted on the gear, a cross head loosely mounted on the pin and movable in the slot whereby the arm is oscillated, and a cutter operated by the oscillating arm.

1,503,709. VACUUM-TUBE CIRCUITS. HAROLD M. PRUDEN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 3, 1923. Serial No. 629,566. 4 Claims. (Cl. 250—27.)



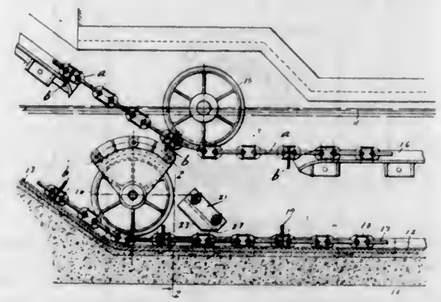
1. In combination, a plurality of filaments, means for connecting said filaments in series with a source of heating current, and a relay for substituting a resistance for one of said filaments, said relay having a winding effectively in shunt to said filament and an opposed winding effectively in series with said filament.

1,503,710. DUMPING VEHICLE. LEO S. RICE, Van Wert, Ohio. Filed Aug. 4, 1921. Serial No. 489,766. 2 Claims. (Cl. 298—22.)



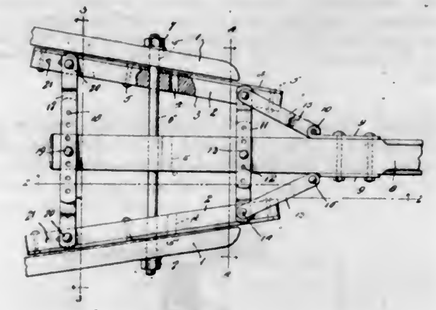
1. A dumping vehicle comprising a chassis, a body, means pivotally mounting the body on the chassis at the longitudinal sides thereof, track supported below said body disposed transversely thereof, cylinders carried by said chassis, pistons reciprocable in said cylinders, piston rods having the upper ends thereof bifurcated, and pulleys disposed within said bifurcated ends of said piston rods for slidable engagement with the tracks of said body, and fluid compression means acting within said cylinder to move said pistons and piston rods so that said pulleys will slide over said tracks for selective lateral dumping of the vehicle body.

1,503,711. ASH CONVEYER COMPRISING CHAINS GUIDED BY SPROCKET WHEELS. ERNEST WILLIAM ROBEY, London, England. Filed May 11, 1922. Serial No. 560,139. 4 Claims. (Cl. 198—204.)



1. A device of the character described in combination a liquid trough, a conveyer for abrasive material comprising a chain movable in the trough beneath the surface of the liquid, a guide roller for the chain disposed above and in contact with the chain and means adjacent the roller and projecting in proximity to the chain for removing material from the chain whereby the material is prevented from passing between the roller and the chain.

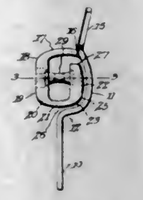
1,503,712. ADJUSTABLE TONGUE HOUND. JOHN SADLER, Rockford, Iowa. Filed Jan. 29, 1923. Serial No. 615,465. 2 Claims. (Cl. 280—139.)



1. In adjustable tongue hounds construction, the combination with the wagon hounds, of side bars arranged against the inner sides of said wagon hounds, respectively, a wagon tongue having its inner end arranged between said bars, a pivot rod extending through said wagon hounds, side bars and tongue, said side bars being each formed with a series of openings through which said pivot rod may be interchangeably passed, whereby the longitudinal positions of said bars with respect to the wagon hound may be varied, adjustable connections between the forward ends of said side bars and tongue and adjustable connections between the rear ends of said bars and tongue, whereby the angular positions of said bars with respect to each other may be changed to correspond to the angular positions of the wagon hounds.

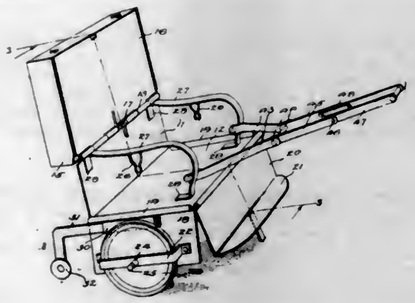
1,503,713. THREAD GUIDE. WILLIAM H. SANDERS, Winnsboro, S. C. Filed July 12, 1923. Serial No. 651,079. 6 Claims. (Cl. 242—157.)

1. A thread guide formed from a single piece of metal and comprising a shank, a body portion bent laterally, then over the blank and inwardly to form a loop, said body portion having openings therein to form bearings



for an anti-friction roller, an anti-friction roller in said loop, and a connecting portion of said blank joining the shank with said body portion.

1,503,714. FOLDING BABY CARRIAGE. NATHAN SCHNIPPER and RUBIE BRODY, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,735. 4 Claims. (Cl. 280—37.)



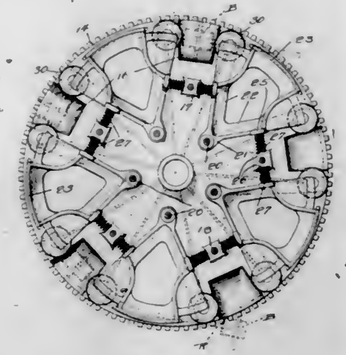
4. In a device of the character described, a bottom wall, and a front side wall formed integral with one another, a plurality of arm rests connected at one end to the bottom wall and at one end to the front side wall, end walls pivotally secured to the front side wall and adapted to fold inwardly thereof, a wheel-supporting bracket carried by each of said end walls, a headed stud carried by each of said brackets, and resilient fingers depending from said arm-rests and adapted to receive said headed stud to secure the end walls in folded position.

1,503,715. CINCH STRAP. REX G. SCHNITGER, Gillette, Wyo. Filed Nov. 28, 1923. Serial No. 677,479. 2 Claims. (Cl. 54—23.)



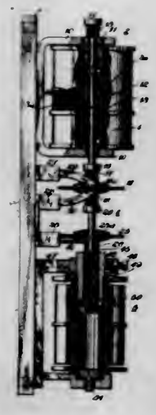
2. A girthing means, comprising in combination a flat strap member, a saddle, a latigo depending from each side of said saddle and connecting members between each latigo and opposite ends of said flat strap member comprising flat buckles each having a long side and a short side in parallel relationship, said long sides being connected to opposite ends of said flat strap member, one of said buckles having a curved end provided with a segmental slot having an area smaller than the area bounded by the sides of the buckle, and a hook member carried by the latigo cooperating with said buckle and arranged to be received in the segmental slot for securing said flat strap member to said latigo.

1,503,716. CONVEYER APPARATUS. OTTO A. SEYFERTH, Fairmont, W. Va. Filed Apr. 12, 1923. Serial No. 631,723. 7 Claims. (Cl. 74—31.)



3. In a sprocket wheel for button provided conveyer ropes, a wheel body provided with spaced peripheral button receiving pockets, rope engaging segments pivoted to said body between said pockets for swinging movement between the pockets, and spring means normally holding the segments centrally between said pockets.

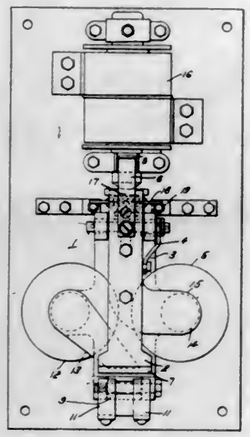
1,503,717. CONTROL APPARATUS AND SYSTEM. WALTER H. SMITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1920. Serial No. 386,196. 9 Claims. (Cl. 200—100.)



1. Control apparatus comprising a plurality of separately and relatively movable alined core members, a plurality of coils separately acting at points respectively above and below the magnetic center of one of said core members, another coil for actuating another core member, and a single contact member adapted for independent actuation by said core members.

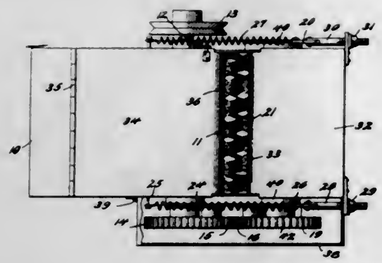
2. Control apparatus comprising a plurality of separately and relatively movable alined core members, a main-circuit coil for actuating one core member, a plurality of auxiliary-circuit coils separately acting at points respectively above and below the magnetic center of another core member, and a single contact member adapted for actuation by said core members.

1,503,718. CONTROL APPARATUS. WALTER HERBERT SMITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,300. 8 Claims. (Cl. 200—98.)



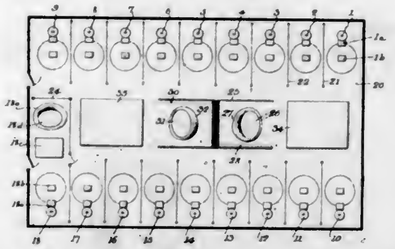
4. The combination with a plurality of pairs of relatively movable contact members, two of said contact members being mechanically connected and one of said pairs of contact members being normally in engagement, of electro-responsive means for effecting the engagement of one of said pairs of contact members, comprising one of said mechanically connected contact members, without effecting the disengagement of said normally-engaged contact members, and electro-responsive means for effecting the disengagement of all the said pairs of contact members.

1,503,719. GLOVE-CLEANING MACHINE. FRANCIS C. W. STELTER, Long Island City, N. Y. Filed May 29, 1922. Serial No. 564,656. 7 Claims. (Cl. 8—8.)



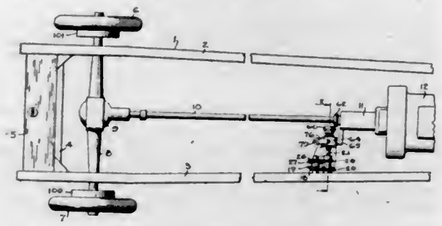
1. A glove cleaning device comprising in combination a receptacle for cleaning fluid, a pair of parallel rotary cylindrical brushes extending across said receptacle making longitudinal contact with each other, their upper surfaces being close to the top of said receptacle and their lower surfaces below the normal liquid level, a cover for said receptacle having a narrow opening in line with and directly above the meeting surfaces of said brushes its facing edges being formed by downwardly curved edge portions of said cover close to the surfaces of said brushes, and means for simultaneously rotating said brushes in opposite directions so that their meeting surfaces below said opening will move downward.

1,503,720. INDOOR GOLF SYSTEM. RICHARD H. STRASSER, Washington, D. C. Filed Nov. 25, 1922. Serial No. 603,271. 17 Claims. (Cl. 46—4.)



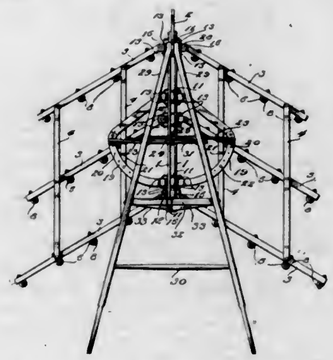
1. A method of playing a game simulating golf which comprises driving a ball associated with a golf meter, comparing the reading of said golf meter with a chart of a golf course indicating the location of the ball on said course relative to traps and hazards as a result of said drive, and completing the drive of the ball over said traps and hazards relative to said chart with a free ball.

1,503,721. AUTOMOBILE. JOSEPH STRAUSS, New York, N. Y., assignor to Abraham Kaplan, New York, N. Y. Filed Mar. 3, 1920, Serial No. 362,984. Renewed Jan. 16, 1924. 21 Claims. (Cl. 280—151.)



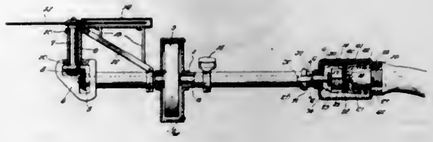
1. An automobile including in combination an engine, a transmission mechanism, a power shaft, a differential mechanism, the rear axle and wheels, and an emergency auxiliary driving mechanism comprising a man-operated power applying lever and gearing between said lever and the power shaft.

1,503,722. HARROW. DEWITT W. STRICKLAND, Tylertown, Miss. Filed Aug. 17, 1922. Serial No. 582,453. 3 Claims. (Cl. 97—176.)



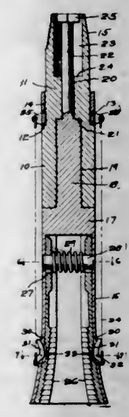
1. In an agricultural implement, the combination of a main beam consisting of parallel bars, a hinge member disposed below said bars and having a post fitting between the same and rigidly secured thereto, a coupling member hinged to the outer end of said hinge member and depending therefrom to swing toward or from the beam, a harrow bar pivoted to said coupling member to swing across the plane of movement of the coupling member, and means for holding the harrow bar in a set position.

1,503,723. CLUTCH MECHANISM FOR POWER-DRIVEN TOOLS. ERNEST E. STROM, Colome, S. Dak. Filed Sept. 2, 1922. Serial No. 585,917. 3 Claims. (Cl. 192—67.)



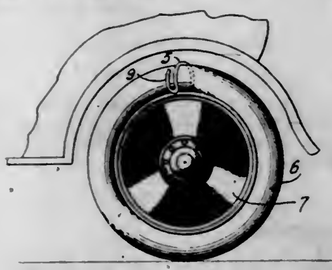
1. In an apparatus for the purpose set forth, the combination of a transmission shaft, a clutch member loosely fitted upon the transmission shaft and secured to a driving shaft, a second clutch member slidably mounted upon the transmission shaft and constrained to rotate therewith, means for shifting the second-mentioned clutch member into or out of engagement with the first-mentioned clutch member, a flange upon the second-mentioned clutch member, latches upon the first-mentioned clutch member adapted to engage said flange, a collar loosely mounted on the second-mentioned clutch member, and means for shifting said collar into engagement with the latches whereby to release the latches from the flange.

1,503,724. FISHING TOOL. PEDER STROM, Chicago, and VICK L. GANIEANY, Bluford, Ill. Filed Nov. 3, 1923. Serial No. 672,644. 5 Claims. (Cl. 294—86.)



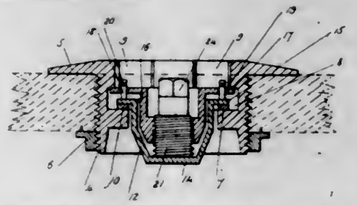
1. A fishing tool comprising an upper body, a lower body having screw threaded engagement with the upper body whereby there is a relative longitudinal movement between said bodies when one is turned with relation to the other, inwardly movable jaws carried by the lower body, means to move the jaws inwardly, and connecting means between the moving means and the upper body whereby the moving means is actuated upon the said relative longitudinal movement of said bodies.

1,503,725. TIRE GRIP. FREDERICK L. TAYLOR, Spokane, Wash. Filed Apr. 21, 1923. Serial No. 633,755. 5 Claims. (Cl. 294—26.)



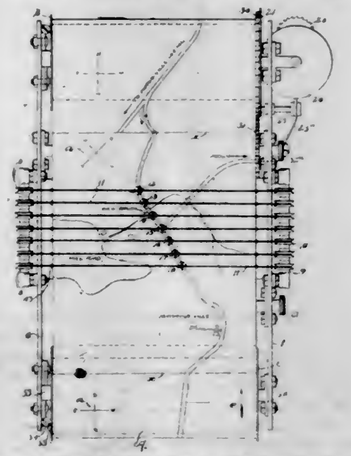
1. A grip for a tired wheel comprising a hand lever with a U shaped socket formed thereon adapted to be placed transversely over the tire of the wheel and to tightly engage opposite sides thereof upon moving the lever in direction of wheel rotation.

1,503,726. LOCKING BUNG. JOHN THOMPSON, Chilton, Wis., assignor of one-half to George C. Hume, Chilton, Wis. Filed Aug. 29, 1923. Serial No. 659,917. 4 Claims. (Cl. 217—106.)



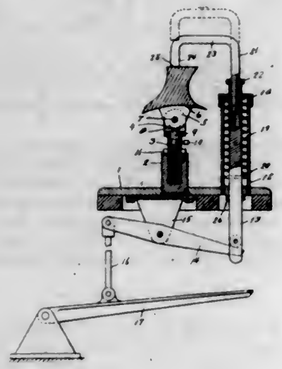
1. In a locking bung, a bung bushing provided with an annular seat and an undercut locking groove, a bung body provided with a flange which overlaps the said seat, a packing washer interposed between the said flange and seat, a follower provided with lateral projections which engage with the undercut groove, and a locking screw engaging with the follower and bearing on the bung body and operating to compress the packing washer between the flange and seat.

1,503,727. ROUTE INDICATOR FOR VEHICLES. CHRISTOS B. TSAGRIS, Boston, Mass. Filed Aug. 6, 1921. Serial No. 490,196. 30 Claims. (Cl. 40—42.)



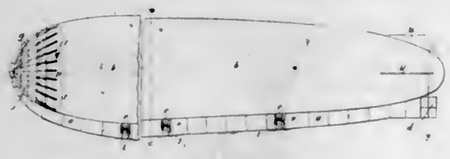
10. A route indicator having a chart movable in forward and reverse directions and means independent of the chart for positively indicating in advance in relation to the chart the route to be followed when the chart is moved in either direction.

1,503,728. WOOD-HEEL CLAMP. THADDEUS E. TYLER, Haverhill, Mass. Filed June 14, 1923. Serial No. 645,309. 1 Claim. (Cl. 12—125.)



A heel clamp comprising a fixed member having an upwardly facing heel-supporting face, a vertically disposed casing mounted adjacent said member, a rod extending through said casing and reciprocally mounted therein, a spring engaged with said casing and rod to press the rod downward, a treadle for lifting said rod, and a rigid arm connected to the upper end of said rod and arranged for adjustment longitudinally thereof, said arm being extended horizontally and having a depending end portion provided with a heel top engaging face at its lower end arranged in cooperative relation with said supporting face.

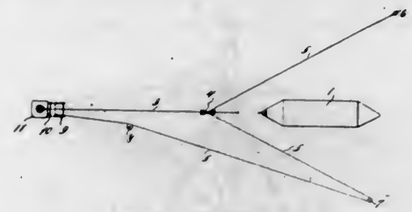
1,503,729. CONSTRUCTION OF SEMIRIGID AIRSHIPS. CELESTINO USUELLI, Milan, Italy. Filed Jan. 14, 1921. Serial No. 437,177. 4 Claims. (Cl. 244—6.)



1. In a semirigid airship, in combination with a gas bag, an external tubular metal girder structure extending underneath said bag in close relation thereto, longitudinal cover flaps depending from said bag and enclosing said girder, and a stiffening cage at the lower end of said girder, said cage comprising curved radially directed ribs and a plurality of annular frame members of respectively decreasing diameter interconnecting said ribs.

1,503,730. DIRIGIBLE-BALLOON CONTROL FOR LANDING. CHARLES L. WACHTER, New York, N. Y., assignor to Edgerwood Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1922. Serial No. 588,742. 11 Claims. (Cl. 244—2.)

1. A mooring system for air ships, comprising in combination, a moorage, a towing cable connected thereto, means for connecting said cable to the air ship, operating means for said towing cable, a pulley carried by said ship, a back haul cable adapted to ride over said pulley, anchoring means for said back haul cable and means to vary the length of said back haul cable.

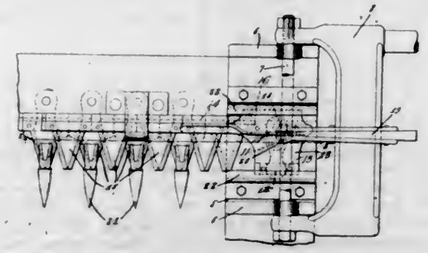


1,503,731. PROCESS FOR PRODUCING MULTIPLY-EXPOSED MOTION-PICTURE FILMS. JOSEPH B. WALKER, Los Angeles, Calif. Filed May 3, 1922. Serial No. 558,123. 9 Claims. (Cl. 95—5.)



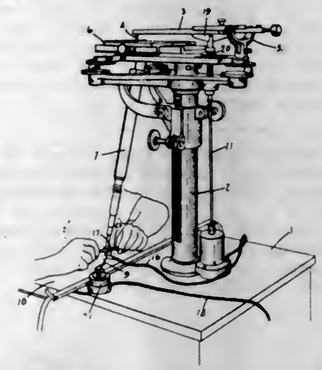
1. In the production of multiply exposed photographic impressions, the process of exposing a portion of the area of a receptive surface, and thereafter typing a dye over said exposed portion to protect same against further exposure during subsequent operations.

1,503,732. HARVESTING MACHINE. SAMUEL E. WALLING, Bellingham, Wash., assignor, by direct and mesne assignments, to Harvesting Machinery Improvement Company, Bellingham, Wash., a Corporation of Washington. Filed Feb. 15, 1921. Serial No. 445,141. 1 Claim. (Cl. 56—207.)



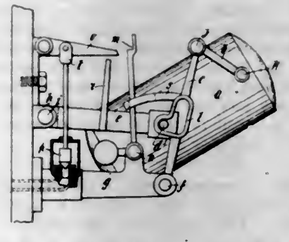
In a device of the character described, a base, a pair of opposed cutting bars, a connecting lever pivotally supported on the base, and having heads at its ends, blocks on the cutter bars, said blocks having cut out portions adapted to accommodate the heads of the connecting lever so that movement of one cutter bar results in a movement of the opposed cutter bar in the opposite direction, a connecting link having a socket, and one of said cutter bars having a head to receive the socket of the connecting link.

1,503,733. ELECTRICAL CONTROL FOR ENGRAVING MACHINES. UREY M. WARMOTH, Indianapolis, Ind. Filed Apr. 13, 1922. Serial No. 552,434. 2 Claims. (Cl. 33—24.)



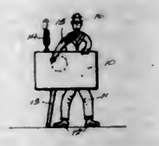
1. In a device of the character described, a tracing arm, a socket removably attached to one end of said tracing arm, a tracing point entered in said socket, a plug extending transversely through said socket and tracing point whereby the tracing point is secured within the socket and in electrical contact therewith, substantially as set forth.

1,503,734. FLOAT-OPERATED VALVE OR COCK. CHARLES HINLEY WILKINSON, Hull, England. Filed Nov. 22, 1923. Serial No. 676,328. 4 Claims. (Cl. 137—103.)



1. An inclined cylindrical float, for actuating valves or cocks, having stub axles fixed at diametrically opposite points and at a desired distance from the longitudinal centre of the float, the said stub axles being pivotally mounted in the free ends of the arms of a forked lever pivoted to a fixed support, a control lever pivoted to a fixed support and furnished with a guide slot into which an extension of one of the stub axles projects and a link pivoted to the free end of the control lever and a projecting pin on the float, for the purposes set forth.

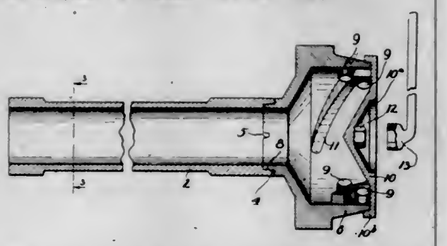
1,503,735. MECHANICAL TOY. PETER K. WILLIAMS, Columbus, Ohio. Filed Mar. 17, 1923. Serial No. 625,754. 4 Claims. (Cl. 46—40.)



1. A self-supporting toy of the character described including a box having internal music producing means and a pendent supporting leg, a figure disposed upright adjacent and attached to the box, having pendent legs

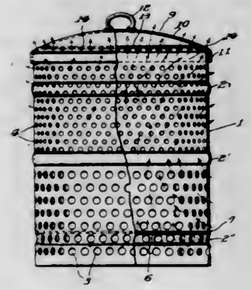
cooperating with the pendent supporting leg of the box and forming therewith a three-point contact to permit the figure to stand in an upright position without additional support, said figure also having movable parts including an arm, a figure movable vertically and rotatable on the box and simulating a monkey, and mechanism within the box for simultaneously actuating the last mentioned figure operating the said music producing means and shifting the movable parts of the supporting figure as described.

1,503,736. WATER DISTRIBUTOR. THOMAS H. WILSON, Brawley, Calif., assignor of one-fourteenth to W. R. Batley, one-fourteenth to Alex McBurney, one-fourteenth to G. A. Dahl, one-fourteenth to E. L. Jack, one-fourteenth to A. N. Jack, one-fourteenth to T. W. Nicholson, and one-fourteenth to Paul C. Smith, all of Brawley, Calif. Filed Mar. 22, 1923. Serial No. 626,792. 4 Claims. (Cl. 251—39.)



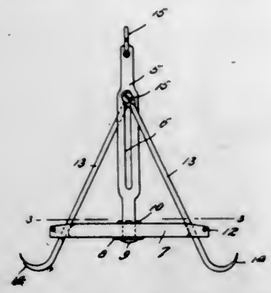
3. A distributor comprising a conduit having a socket at its receiving end, a valve shell having an end wall provided with a flange fitting in the socket, the shell being larger than the conduit and circular and having inwardly projecting guide lugs arranged in pairs suitably spaced apart, a valve closure adapted to fit against the end of the shell and having spiral fingers fitting against the inner face of the shell between the pairs of guide lugs and forming a screw connection between the closure and the shell, and means for rotating the closure to regulate the passage of water through the conduit.

1,503,737. INCINERATOR. HERBERT S. WOODWARD, Carbondale, Pa. Filed Mar. 13, 1924. Serial No. 698,864. 4 Claims. (Cl. 126—224.)



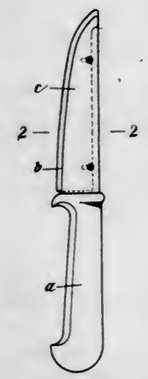
1. A device of the class described, comprising a cylindrical body having a plurality of perforations extending through its wall, the perforations towards the upper part of the body being of less size than those in the lower part thereof, a perforated bottom disposed in the lower part of the body and fixedly secured thereto and a removable cover having a central downwardly curved portion provided with a depending peripheral flange for engagement over the upper end of the body and a stiffening plate fixedly secured to the under side of said central portion along the marginal edge of the plate.

1,503,738. HOG GAMBREL. WILMER L. YOUNG, Heaton, N. Dak. Filed Apr. 3, 1923. Serial No. 629,551. 1 Claim. (Cl. 294—79.)



A gambrel comprising a bar provided with a longitudinally extending slot intermediate the ends, means carried at the upper end of the bar for connecting it to a support, a pin extending transversely through an opening in the bar above the lower end thereof, a plate mounted on the lower end of the bar, a cross bar having an opening for receiving the lower end of the first mentioned bar, said cross bar being disposed between the plate and the pin and provided with slotted end portions, rods slidably mounted in the slots and formed with hooked extremities at the lower outer ends thereof, the upper inner ends of said rods being disposed at the opposite sides of the bar, and a bolt extending transversely through the ends of the rod slidably mounted in the slot.

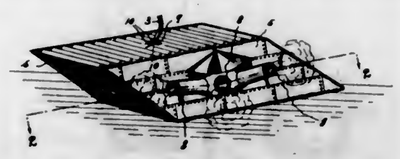
1,503,739. FLAYING KNIFE. GOTTLIEB ZÜRCHER, Zurich, Switzerland. Filed Mar. 10, 1924. Serial No. 698,218. 2 Claims. (Cl. 17—21.)



1. A flaying-knife comprising a handle, a blade holder composed of two superposed metal strips secured to said handle, a loose blade adapted to be held between said strips with the cutting edge projecting uniformly from the edges of the strips, and means for clamping the strips to the blade, the edges of the strips being thickened so as to form shoulders along the cutting edge of the blade for limiting the depth of the cut.

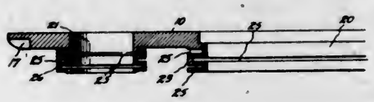
1,503,740. PYROTECHNICAL DEVICE. MILTON M. ADLER, Newark, N. J. Filed Feb. 27, 1923. Serial No. 621,513. 2 Claims. (Cl. 102—21.)

1. A pyrotechnical device, comprising a hollow casing of desired shape, the exterior sides of a desired wall or walls of said casing being provided with graphic simulation of gun-muzzles, said casing wall or walls having smoke escape ports registered with the ends of said graphic simulation of gun-muzzles and communicating with the interior of said casing, a combustible carrier means treated with a pyrotechnical composition adapted to detonate when ignited, said carrier means and its pyrotechnical composition being disposed within



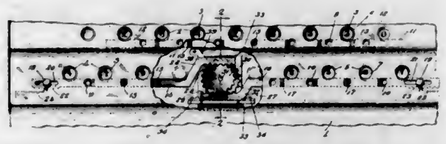
the interior of said casing, a fuse element attached to said carrier means, a desired wall of said casing having an X-shaped slit through which the free end of said fuse element may project exteriorly from said casing, and said X-shaped slit providing projections directed toward the body of the fuse-element to hold the same against accidental longitudinal displacement.

1,503,741. PACKING PLATE FOR INTERNAL-COMBUSTION ENGINES OR THE LIKE. JOHN O. ALMEN, Seattle, Wash., assignor to Almen-Crosby Motors Company, Inc. Filed Aug. 10, 1920. Serial No. 402,566. 5 Claims. (Cl. 123—58.)



5. In an engine of the character described, in combination, a casing body having a valve recess therein, cylinders arranged circularly and in parallel relation within the casing and having ports opening into the said recess, a power shaft revoluble in said casing centrally of said casing and parallel with said cylinders, a valve plate revoluble in the recess to control the flow of gas through said ports, a packing plate interposed between the cylinders and valve plate having ports in registration with the cylinder ports and a central opening through which said power shaft extends, expandable flanges formed about all of said ports engageable with the cylinder wall to prevent leakage and an expandable flange formed about the periphery thereof for preventing leakage of air from about the power shaft into the valve recess.

1,503,742. CALCULATING MACHINE. GEORGE M. BACON, Salt Lake City, Utah, assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah, a Corporation of Utah. Filed May 18, 1922. Serial No. 561,819. 8 Claims. (Cl. 235—73.)



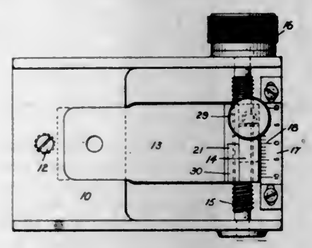
1. In a calculating machine, the combination with multiplicand, multiplier, and product dials, of means for indicating the decimal point position of the multiplicand and multiplier respectively, and simultaneously indicating the decimal point of the product.

1,503,743. METHOD OF REENFORCING REFLECTORS. BLASIUS BART, Newark, N. J. Filed June 10, 1920. Serial No. 387,975. 34 Claims. (Cl. 88—1.)



5. A reflector including a film of reflecting metal on the front side thereof and provided with a backing of a stiffening material, a preformed rigid reenforcing frame formed of a material differing from the stiffening material and embedded in said stiffening material.

1,503,744. SIGHT LEAF. MILES C. BENNER, Springfield, Mass. Filed Dec. 13, 1922. Serial No. 606,677. 1 Claim. (Cl. 33—55.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

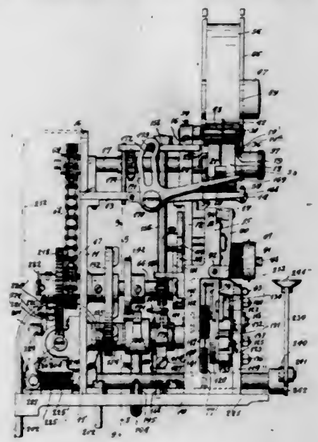


A gun sight, embodying a base plate, a windage screw journaled in said base plate, a sight leaf mounted on the windage screw, means for retaining the leaf in elevated or lowered positions, said leaf provided with a slot extending longitudinally thereof and inclined to provide for driftage correction, a slide in the slot, said slide provided with a peep hole and a transverse slot, an elevating nut in the transverse slot of the slide having a central opening adapted to register with the peep hole and an elevating screw engaging the nut for moving the slide.

1,503,745. LABEL-ATTACHING MACHINE. MAX O. CLAUSS, New York, N. Y. Filed July 25, 1919, Serial No. 313,415. Renewed Aug. 3, 1922. Serial No. 579,472. 7 Claims. (Cl. 93—88.)

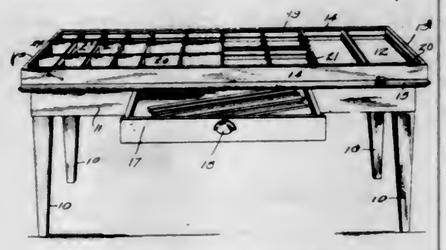
1. In a label attaching machine, paper strip printing and feeding mechanism, including a drum, circumfer-

entially extending feeding members on opposite sides of the drum, tangentially adjustable feeding members ar-



ranged between the said circumferential members and printing means on the drum between said feeding members.

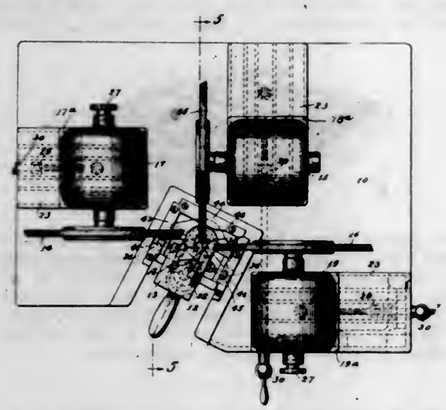
1,503,746. ADJUSTABLE TRAY TABLE TOP AND DISPLAY DEVICE. JACOB PAUL CLAYTOR, Lorimor, Iowa. Filed June 18, 1923. Serial No. 646,121. 4 Claims. (Cl. 211—11.)



1. In a device of the class described a table top, vertical side and end flanges arranged adjacent the edges of the table top, said flanges having spaced grooves on their inner sides for receiving pegs therein, the grooves in the end flanges and in the side flanges being staggered relative to each other, partition members having a pair of grooves in each of their sides, pegs on the ends of said partition members arranged to be received in the grooves in said flanges for dividing the table top into compartments, the pegs in the partition members being staggered relative to the grooves therein, and divider members arranged to be engaged between said partition members pegs in the ends of said divider members arranged to register with and be received in the grooves formed in said partition members for subdividing the compartments.

1,503,747. KNIFE-BLADE-SQUARING MACHINE. EDWARD J. CONKLIN, Bridgeport, Conn. Filed Jan. 19, 1923. Serial No. 613,598. 18 Claims. (Cl. 51—172.)

1. A machine for squaring the tangs of knife-blades, comprising a series of grinding wheels, the operating faces of two of which are arranged in opposite relation to each other, a movable knife blade supporting table adapted to be moved as against the operative face of one of the wheels, and then in an opposite direction against the operative face of the other of said wheels to grind the opposite edges of the tang of a blade with one setting of the blade upon the table, and to be moved angularly to said movement between the wheels to grind a portion of the tang against the side of one of said wheels.



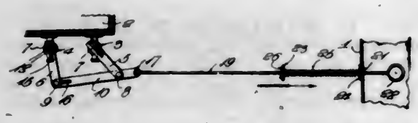
2. A machine for squaring the tangs of knife blades, comprising a series of grinding wheels, the cutting faces of two of which are arranged opposite to each other, and the cutting face of the third of which is positioned at substantially a right angle to the first mentioned faces, means for independently adjusting the position of the wheels with relation to each other, a knife blade supporting table adapted to be moved to and from each of the said wheels for separate independent operations upon the tang, and to be moved angularly to said movement between the wheels to grind a portion of the tang against the side of one of said wheels.

1,503,748. POWDER PUFF. ALDO CURIONI, Larchmont, N. Y., assignor to Maurice Levy, New York, N. Y. Filed July 3, 1923. Serial No. 649,215. 3 Claims. (Cl. 132—78.5.)



1. A powder puff comprising two discs of fabric having nap surfaces and base portions, a portion of the said discs being inwardly turned at the edge of the puff to form an inner rib, having two layers, the said layers being forced together by transverse stitches, the nap portions of said inturned layers being inclined outwardly and toward the periphery of the puff.

1,503,749. CRANK-CASE-OIL TESTER. CHARLES W. DAVIS, McAlester, Okla. Filed July 5, 1923. Serial No. 649,524. 2 Claims. (Cl. 137—139.)



2. In a device of the character described, a cock actuating crank having a slot to receive the crank handle, a jaw conjointly formed by portions of the walls of the slot to engage one side of the cock handle, and a jaw formed by a portion of the metal displaced in forming the slot bendable for engagement with an opposite side of the crank handle.

1,503,750. TUNNEL KILN WITH STEAM-GENERATING COOLING ZONE. CONRAD DRESSLER, New York, N. Y., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 14, 1919. Serial No. 338,009. 6 Claims. (Cl. 25—14.2.)

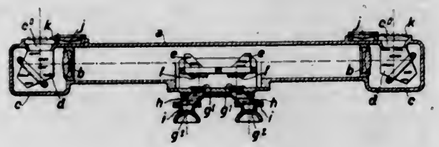


1. In a tunnel kiln in which the kiln chamber comprises a heating zone and a cooling zone successively transversed by the goods passing through the kiln, the improvement which consists in a steam generating unit comprising water heating elements located in the kiln chamber in position to abstract heat from the goods as the latter pass through said cooling zone.

1,503,751. METHOD OF EXTRACTING OIL. CARL DREYMANN, Baltimore, Md. Filed July 9, 1920. Serial No. 395,066. 4 Claims. (Cl. 87—6.)

1. The method of extracting oils and fats from materials containing them and also containing water, which comprises subjecting such materials to extraction with a solvent of the oil or fat, withdrawing the resulting fat solution and admixed water, separating the water from the solution of the oil or fat in the solvent, and returning the resulting water-free solution for further extraction.

1,503,752. TELEMETER. OTTO EPPENSTEIN, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,103. 2 Claims. (Cl. 88—2.6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



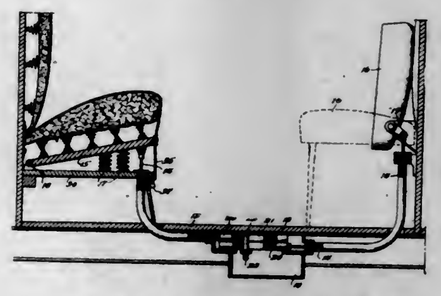
1. A telemeter composed of two telescopes, provided each with a collective lens attached in the immediate vicinity of the objective-reflecting system of the respective telescope and being movable in and out of the path of rays.

1,503,753. TYPEWRITER. FRITZ R. FREDERICK, New York, N. Y., assignor to Edward Stevens Beach, Ridgefield, Conn. Filed Dec. 13, 1922. Serial No. 606,750. 28 Claims. (Cl. 197—25.)



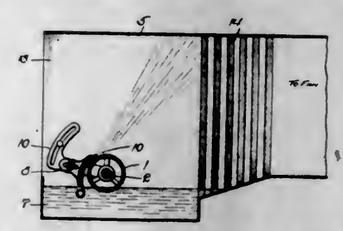
1. In a typewriting machine, the combination of a frame; a detachable cover; and an intermediate assembly bracket; a case shifting mechanism; a spacing mechanism; a series of typing units provided with under type heads; a series of typing units provided with upper type heads; for each of said under type heads, type head guiding means comprised in said assembly bracket; for each of the upper type heads, type head guiding means comprised in the assembly bracket; transversely opposed ink ribbon spool carrying means secured to the cover; ink ribbon spool rotating means; and a paper carriage provided with an endwise movable platen.

1,503,754. FARE-REGISTER MECHANISM. ROBERT W. HAMILTON, New York, N. Y. Filed May 15, 1922. Serial No. 560,877. 3 Claims. (Cl. 235—99.)



1. In a vehicle, a casing, a bracket in said casing, a register slidably mounted in said bracket, an actuator for said register extending into said casing, continuously operating connection between said actuator and a wheel of the vehicle, spring means in said casing for holding said register normally free of said actuator, a lever journalled in the casing for moving said register into connection with the actuator, and connection between said lever and a seat of the vehicle for moving said lever when weight is applied on the seat.

1,503,755. AIR-CONDITIONING DEVICE. BURT S. HARRISON, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,273. 3 Claims. (Cl. 261—92.)

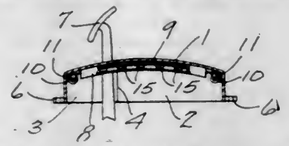


1. In a device of the class described, a receptacle for fluid, and a roller rotatably mounted on a horizontal axis and partly immersed in said fluid, a plate at one side of said roller and adjustable to vary its spaced relation to the roller, the lower edge of said plate extending downwardly below the level of the fluid.

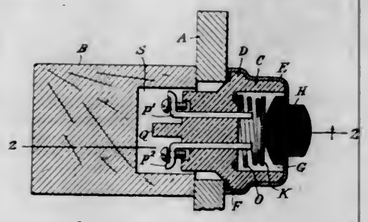
1,503,756. AIR AND DUST GUARD FOR LEVER OPENINGS. JOHN HASSELBERGER, East Hampton, N. Y. Filed Jan. 24, 1924. Serial No. 688,169. 1 Claim. (Cl. 74—81.)

In combination with the levers and lever slots of an automobile, a device of the kind described, comprising a two-piece casing adapted for mounting over the said floor slots and having layer slots to accommodate said levers, the metal along the edges of the said casing

slots having guideways formed therein; curtains mounted on spring set rollers at each end of the slots and slidingly passed along the guideways of the casing slots; means for securing the ends of the curtains to the lever bars; and means for supporting the curtains in place.

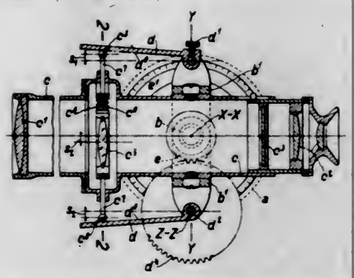


1,503,757. PUSH BUTTON. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Jan. 10, 1919. Serial No. 270,517. 2 Claims. (Cl. 200—159.)



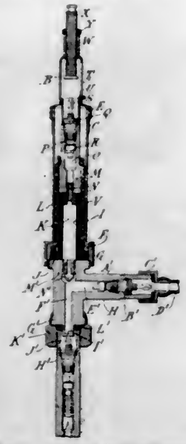
1. An electric push button comprising a shell having an opening therein, an insulating block secured within said shell and having a recess in its outer end registering with said opening, a button working in said opening and having an enlarged portion located within said recess, conductor bars embedded within said block and having ends projecting into said recess, a contact piece within said recess and movable independently of said button, and a spring acting to normally press said contact piece and said button away from the projecting ends of said conducting bars, said spring bearing against the contact piece contiguous to the periphery of the latter.

1,503,758. REDUCING TACHEOMETER. ALBERT KÖNIG, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Jan. 26, 1924. Serial No. 688,883. 7 Claims. (Cl. 88—2.2.)



1. In a reducing tacheometer a telescope rotatably disposed about a horizontal axis, which is perpendicular to the optical axis of the telescope, the telescope comprising an objective and an ocular, two semi-lenses inserted in the path of the rays before the ocular and displaceable parallelly to the said horizontal axis, and means for coupling the semi-lenses and the telescope so as to impart to the semi-lenses a relative displacement as the telescope is rotated about the said horizontal axis, these means comprising at least one plane surface coacting with one of the semi-lenses.

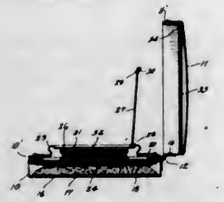
1,503,759. PRESSURE INDICATOR. HENRY P. KRAFT, Ridgewood, N. J., and MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y. Original application filed July 14, 1909, Serial No. 507,565. Patent No. 1,178,707, dated Mar. 27, 1916. Divided and this application filed Feb. 23, 1916, Serial No. 79,880. Renewed Jan. 4, 1923. 5 Claims. (Cl. 152—11.5.)



1. In an indicating device for pneumatic tires or the like, comprising a casing, an expansible tube in said casing, said expansible tube formed as a nipple, an indicating device the lower end of which is connected to said tube by a perforated screw, a valve in said indicating member, and an adjustable gauge-bar in the casing adapted to coact with said valve.

5. A combined pump coupling, pressure gauge, and relief valve having means for connection to a pneumatic tire or the like, means for introducing air to the tire, and a pressure-responsive member having a valve at its upper end, and an adjustable abutment adapted to open said valve at a predetermined movement of said pressure-responsive member, all of said parts being operable during the inflation of the tire.

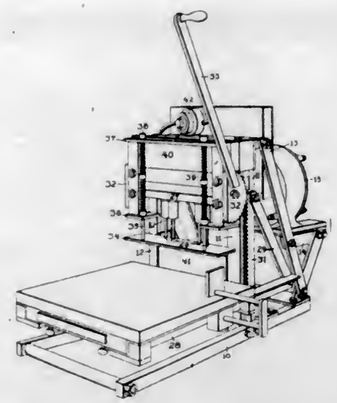
1,503,760. VANITY BOX. ANKER S. LYHNE, Bridgeport, Conn. Filed Nov. 7, 1922. Serial No. 599,493. 4 Claims. (Cl. 132—83.)



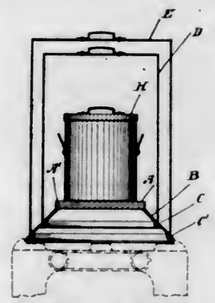
1. A vanity box comprising cover and body sections, a receptacle enclosed by said sections forming a powder compartment, a puff in said compartment for use with said powder, said receptacle comprising telescoping sections, a powder puff on the exterior of one of said sections and secured thereto by clamping between the sections, the other section being shaped to form a handle to facilitate use of said puff, and a cover carried by the latter section to allow access to said compartment.

1,503,761. PUNCHING MACHINE. CHARLES F. McBEE, Athens, Ohio, assignor to The McBee Binder Co., a Corporation of Ohio. Filed Feb. 2, 1921. Serial No. 441,804. 2 Claims. (Cl. 164—90.)

1. A punching machine comprising punches and means for rotating same; a yielding plate with orifices therein designed as a guard for the punch ends; a movable base receptacle to receive and retain in position the material to be punched; means to force the receptacle toward the punches and thereby forcing the yielding plate away from the punches and the punches through the material; automatic means to restore the yielding plate to its normal position when the receptacle is moved away from the punches.



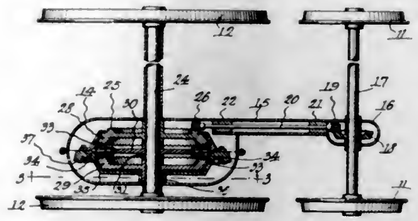
1,503,762. FIRELESS COOKER. HUGO MOCK, New York, N. Y. Filed Nov. 17, 1922. Serial No. 601,465. 7 Claims. (Cl. 220—9.)



1. In a cooker the combination of a series of insulating hoods and an insulating base on which said hoods rest, said base also serving as a heating stone.

1,503,763. AUTOMATIC CUT-OFF DEVICE FOR LOCOMOTIVES. MAYNARD I. MOSELY, Wise River, Mont. Filed Dec. 5, 1923. Serial No. 678,750. 1 Claim. (Cl. 269—9.)

The combination with the axles of the truck and driver wheels of a locomotive, a gear mounted on the truck axle, a shaft, gears carried by the ends of the shaft, one of said gears engaging the gear on the truck axles, a sun gear rotatably mounted on the driver axle, an annular gear carried by said sun gear and engaging the gear carried by the shaft, a second sun gear rigidly mounted on the driver axle, a drum rotatable about the sun gears and carrying an annular gear, planetary gears connected with the drum and engaging between the sun gears, a normally inactive centrifugal speed responsive device, gearing connecting the speed responsive device and the annular gear carried by the drum, and a normally open valve controlling the admission of steam to the cylinders of the locomotive, said valve being adapted to be closed by the action of the centrifugal speed responsive device.

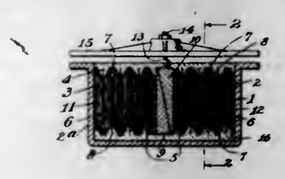


1,503,764. CUSHIONED SHOE. WILLIAM H. NICKERSON, Brookline, Mass. Filed Sept. 14, 1923. Serial No. 662,770. 1 Claim. (Cl. 36—76.)



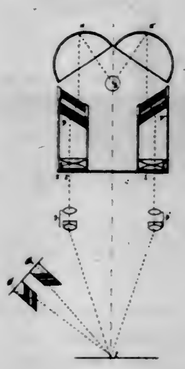
A shoe comprising an outsole having a somewhat abrupt centrally offset bend at the junction of its tread and shank portions, said bend being located under the ball portion of the wearer's foot, extending from edge to edge of the sole, and imparting a salient form to the rear extremity of the tread portion, the shank portion of the outsole being inclined upward and rearward from said bend, an insole the ball-supporting portion of which bridges and is spaced from said bend, the insole and outsole forming the sides of a double wedge-shaped pocket, and a resilient wedge-shaped rubber cushion filling only the forward portion of said pocket, so that a wedge-shaped air space is formed at the rear portion of the pocket which is bridged by a portion of the insole, the arrangement being such that when the shoe is in use the shank portion of the insole is permitted to conform to the corresponding portion of the foot by the endwise bulging of the cushion into said air space and by the downward bulging of the shank portion into the cushion and into the air space.

1,503,765. ELECTRICAL CONDENSER. GREENLEAF WHITTIER PICKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Original application filed Oct. 8, 1920, Serial No. 415,473. Divided and this application filed Dec. 1, 1923. Serial No. 677,952. 3 Claims. (Cl. 250—41.)



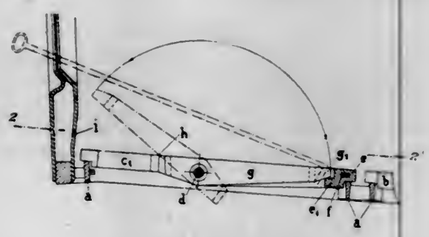
1. In a condenser, a casing, a condenser stack therein arranged transversely of the bottom of the casing, and means comprising a wedge for compressing the stack against the sides of the casing.

1,503,766. DEVICE FOR PROJECTING AND VIEWING STEREOSCOPIC PICTURES. LUCIEN PICTET and MARIO CANTONI, Geneva, Switzerland. Filed Dec. 5, 1923. Serial No. 678,630. 5 Claims. (Cl. 88—24.)



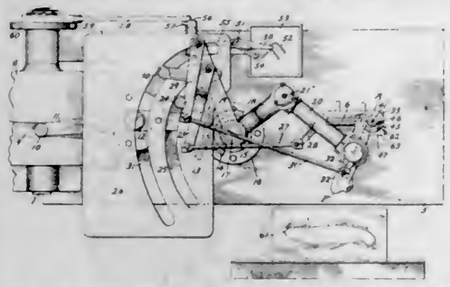
1. Device for projecting and viewing stereoscopic pictures comprising a pair of juxtaposed mirrors arranged to reflect the light of a single source of luminous power of the shape of two light-pencils of which the interaxial spacing is equal to that of the centres of the stereoscopic views to be projected, a pair of polarizing elements placed in the path of said light-pencils as near to the source of light as possible and constituted by two piles of glass at right angles to each other and of which the planes of polarization form an angle of 45° to the horizon, optical means for focusing the two pictures projected by the two polarized light-pencils upon the screen so that they are superposed one on the other thereon; in combination with analyzing binoculars to be interposed before the eyes of the spectator and comprising a pair of polarizing elements of which the planes of polarization form an angle of 45° to the horizon; substantially as described.

1,503,767. FURNACE GRATE. KOLOMAN REZSNY, Budapest, Hungary. Filed Mar. 27, 1920. Serial No. 369,371. 2 Claims. (Cl. 126—162.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)



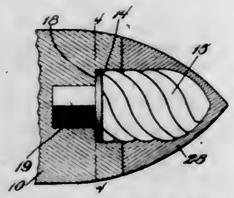
1. A grate for locomotive boiler furnaces comprising outer stationary longitudinal grate sections and a central tipping section arranged between the stationary sections, said tipping section being eccentrically pivoted, so as to provide a long arm and a short arm, whereby said section maintains its normal position due to the weight of the long arm, and said section being rotatable on its pivot to swing the long arm upwardly and rearwardly toward the furnace door and away from the forward face of the fire box through an angle exceeding 90°, in which position it remains by gravity.

1,503,768. WRAPPER CARRIER FOR CIGAR MACHINES. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Oct. 28, 1921. Serial No. 511,165. 16 Claims. (Cl. 131—39.)



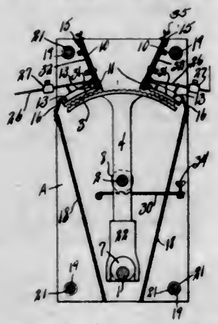
1. In a cigar machine, the combination with a wrapper support, of a blower mounted on said support, and blower controlling means.

1,503,769. ARMOR-PIERCING PROJECTILE. GEORGE M. RYAN, Emo, Ontario, Canada. Fild Apr. 1, 1924. Serial No. 703,449. 5 Claims. (Cl. 102—39.)



2. In an armor piercing shell, a shell having a body provided upon its periphery at one end with a rifling band and having the opposite end thereof provided with a truncated taper, a penetrator drill axially embedded in the last named end of the shell, and a covering of soft metal in which the projecting end of the penetrator drill is embedded, comprising a continuation of the taper of the body of the shell, said penetrator drill having a shank preventing rotation thereof with relation to the shell.

1,503,770. GRINDING MACHINE. CHARLES ALONZO SMITH, Redfield, S. Dak. Filed Feb. 10, 1923. Serial No. 618,423. 5 Claims. (Cl. 83—14.)



1. A Grinding machine comprising a frame, stationary plates and means for fixedly mounting said plates at different adjustments on said frame, an oscillating grinding plate adapted to move in close proximity to said stationary plates, and means for yieldingly holding said oscillating plate in such position and means for oscillating said grinding plate laterally.

1,503,771. METHOD OF BINDING. HENRY SMITH, Richmond, Va. Filed Mar. 14, 1923. Serial No. 625,045. 1 Claim. (Cl. 11—1.)

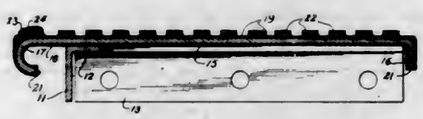


The hereindescribed method of binding which consists in assembling a stack of separate leaves upon a cover, placing a former against one edge of the stack with a portion thereof overlapping the stack, and finally forcing a staple through the leaves and astride the former and clinching the staples to the cover.

1,503,772. ALLOY FOR HIGH-TEMPERATURE USE. WILLIAM H. SMITH, East Cleveland, Ohio, assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Nov. 8, 1919. Serial No. 336,696. 6 Claims. (Cl. 75—1.)

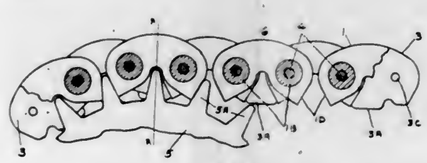
1. An alloy containing 8% to 15% of chromium, at least 2.5% of silicon, and a fraction of one per cent of zirconium, with the balance principally iron.

1,503,773. STEP PLATE. FRANK H. STANWOOD, Wilmette, Ill., assignor to Stanwood Equipment Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 21, 1921. Serial No. 446,786. 5 Claims. (Cl. 20—79.)



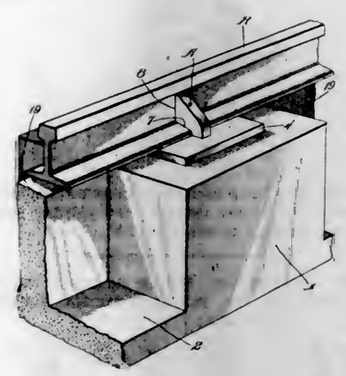
1. A step for automobiles, railway cars, and the like, comprising a metal step member having flanged edges, supports for the same, a complete coating of vulcanizable material above and beneath the same and entirely enveloping it, the upper coating being provided with upstanding, isolated ribs.

1,503,774. CHAIN. ANTON PETER STIANSEN, Brooklyn, N. Y. Filed Dec. 12, 1921. Serial No. 521,881. 7 Claims. (Cl. 74—32.)



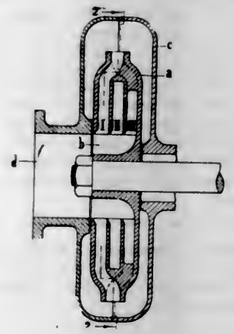
1. A chain composed of links 1 and 2, washer plates 3 and pins 4, said links 1 having pin holes 1^c through which said pins 4 are passed, said links 1 being also provided with cavities 1^a and protrusions 1^b that interlock with similar cavities and protrusions on the adjoining and cooperating links, said links 2 serving as a side link and being provided with apertures 2^c, said apertures serving as bearings for the protrusions 1^b on the adjoining links 1, said links 1 and 2 being also provided in their opposite ends with toothed portions 1^d and 2^d respectively, on which the teeth of the sprocket operate, and said links being held transversely by said washer plates 3 and said pins 4; substantially as specified.

1,503,775. RAIL SEAT. WILLIAM L. WEAVER, Swissvale, Pa. Filed Apr. 5, 1924. Serial No. 704,471. 6 Claims. (Cl. 238—25.)



1. A rail seat comprising a housing open at its top, a concrete pot fitting substantially snugly within the housing, an expansible member interposed between the applied pot and the bottom of the housing to normally urge said pot projected above the top of the housing, and fastening elements embedded within the pot, said elements being positioned to engage a rail from opposite sides thereof.

1,503,776. CENTRIFUGAL PUMP OR BLOWER. LUDWIG WEIL, Biebrich-on-the-Rhine, Germany. Filed Apr. 1, 1922. Serial No. 548,682. 3 Claims. (Cl. 103—103.)

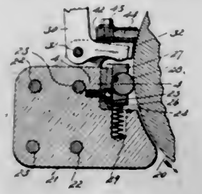


1. In a centrifugal pump or blower, the combination, with a casing having an axial inlet and a circumferential discharge; of a rotary member within said casing formed between said inlet and discharge with sets of passages, the passages of each set being disposed at the inlet end one behind the other in the direction of the axis of the member and at the outlet end one behind the other in the direction of the circumference of the member.

1,503,777. GRIPPING MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 15, 1923. Serial No. 612,838. 19 Claims. (Cl. 188—81.)

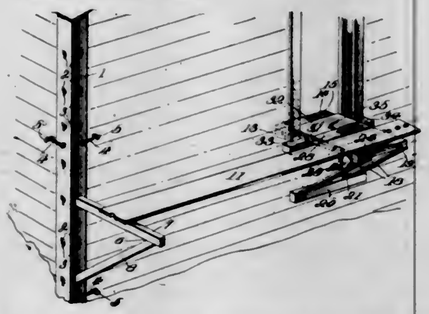
1. In mechanism of the character described; a rotary member; means for preventing the movement of said member in one direction, comprising a gripping device having an independently mounted roll that contacts with

a portion only of an exterior wall of said rotary member, with movably mounted carriage means for said roll where-



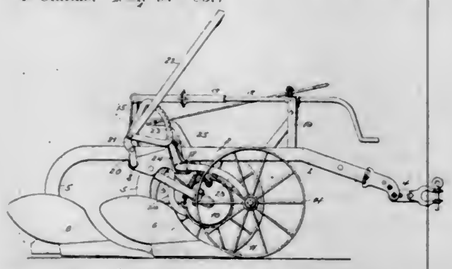
by the roll may have movement in two directions independently of the rotary member; and yielding means for moving the carriage in one direction.

1,503,778. SCAFFOLD. WILLIE R. YOUNG, Bainbridge, Ga. Filed Dec. 18, 1922. Serial No. 607,650. 10 Claims. (Cl. 304—14.)



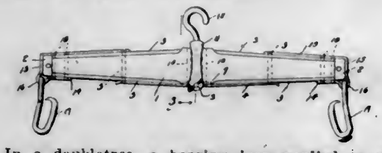
1. Scaffolding apparatus comprising a vertical member arranged to be secured in vertical position on the wall of a building and having a plurality of vertically spaced means for the support of a bracket, a wall bracket arranged to be carried by said member in any one of said positions, a window bracket provided with means for securing it to the sill of a window and provided with collapsible members one of which is capable of being positioned in two different vertical positions, and a board bridging said wall bracket and said window bracket and engageable with said last named member in either of its vertical positions.

1,503,779. PLOW. HERMAN E. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Apr. 25, 1923. Serial No. 634,547. 4 Claims. (Cl. 97—83.)



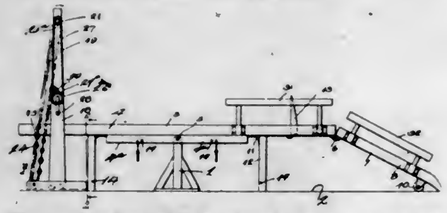
1. In a plow structure, the combination with a frame, furrow and land wheels, and crank axles for the respective wheels, of arms on the respective axles, a lever pivoted to the arm on the land wheel axle, a toothed segment with which said lever is cooperable, said toothed segment pivotally connected with said lever and with the arm on the furrow wheel axle.

1,503,780. DOUBLETREE. CHRISTOPHER C. BAILEY, Clinton, Miss. Filed June 19, 1923. Serial No. 646,415. 2 Claims. (Cl. 278—90.)



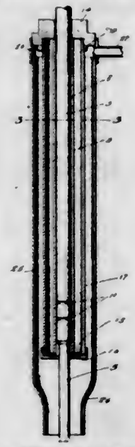
1. In a doubletree, a bearing iron applied to a side thereof, a reinforcing iron overlapping the bearing iron and side portions of the doubletree beyond the bearing iron, a clevis pin received between the bearing and reinforcing iron which are oppositely curved to receive the same, and a clevis pivotally connected to the doubletree by means of the clevis pin and having a hook connected thereto by means of a swivel joint.

1,503,781. TILTABLE VEHICLE PLATFORM. MYRON BAKER, Bridgeport, Conn. Filed Jan. 10, 1923. Serial No. 611,754. 1 Claim. (Cl. 214—1.)



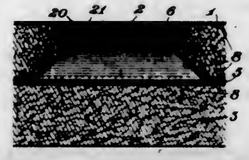
The combination with a pivoted pivotal vehicle platform, of means for tilting said platform, said means comprising a U-shaped frame arching one end of the platform, endless chains at opposite sides of the platform, said chains extending over sprockets adjacent the upper and lower ends of the frame, a bar engaging the underside of one end of the platform and having its ends attached to the chains and means for rotating the sprockets adjacent one end of the U-shaped frame for raising the pivoted platform at its free end.

1,503,782. PACKING BOX FOR OIL WELLS. JOHN BARNES, Burkburnett, Tex. Filed Oct. 1, 1923. Serial No. 665,908. 7 Claims. (Cl. 74—86.)



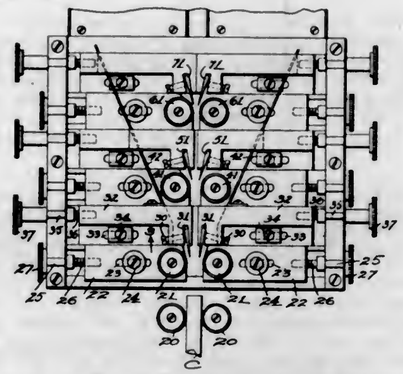
1. The combination with a plunger, of a liner having a ground fit with the plunger, a liner housing and support freely receiving said liner, and a cap threaded on the lower portion of said housing and supporting said liner.

1,503,783. PLASTER BOARD. CARL F. DAHLBERG, New Orleans, La. Filed Oct. 28, 1922. Serial No. 597,677. 3 Claims. (Cl. 72—124.)



1. A heat insulating plaster board comprising a body portion of compressible fibrous bagasse material provided with undercut perforations, the acute edges of said perforations being formed of more greatly compressed fibers than the fibers of said body portion, and a supporting base of compressible fibrous bagasse material to which said body portion is attached, said body portion and said supporting base being coated with a waterproofing material.

1,503,784. MACHINE FOR PRODUCING RATTAN WEAVING STRIPS. JOSEPH DUMONT, Gardner, Mass., assignor to Commonwealth Manufacturing Company, Gardner, Mass., a Corporation of Massachusetts. Filed Apr. 8, 1922. Serial No. 550,930. 1 Claim. (Cl. 144—184.)

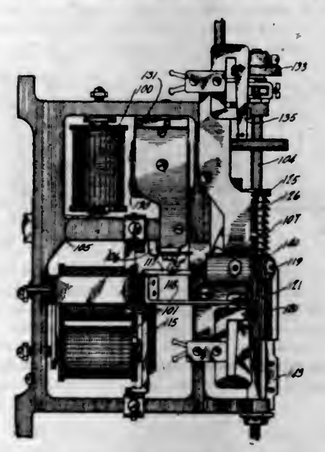


In a machine for splitting rattan, the combination with a frame, of a series of pairs of parallel slides on said frame, those of each pair being adjustable toward and from each other independently, a roller on each slide for engaging the opposite sides of a square reed, a corresponding series of pairs of splitting knives located with their cutting edges between each pair of rollers and spaced but parallel to diverging tangents from said rollers for splitting the reed as it passes through the rollers, means for adjusting each splitting knife independently, and means for adjusting each slide toward and from the other slide of the pair.

1,503,785. SELECTIVE SWITCHING MECHANISM. JOHN ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1921. Serial No. 456,338. 12 Claims. (Cl. 179—27.5.)

1. In an automatic switch, a rectangular cast metal frame, a shaft supported outside said frame, an operating magnet mounted inside the frame, one side member of the frame being cut away to permit control of the shaft by the armature of said magnet, and a bracket of non-brittle metal secured to said frame so as to bridge the cut away portion thereof and reduce the liability of breakage.

8. In an automatic switch, a s...t, operating magnets for first raising said shaft vertically and for then rotating it, a double dog comprising vertical and rotary



detents, a stationary dog, and three separate sets of ratchet teeth on said shaft engaged by said detents and stationary dog, respectively, to support said shaft during the operation thereof.

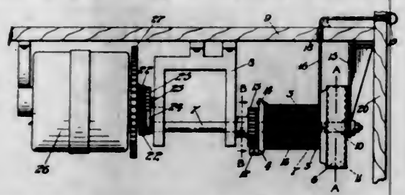
1,503,786. AUTOMOBILE LOCK. THOMAS JOHN FOLEY, Minneapolis, Minn. Filed July 22, 1920. Serial No. 398,083. 3 Claims. (Cl. 177—314.)

1. In a steering wheel lock, a wheel grip comprising relatively movable parts; a lock comprising means for holding said parts against relative movement; a support; a slide mounted to move in the support and carrying the grip whereby the grip may be disposed adjacent to the wheel to be locked; a signal; a circuit including the signal; a normally open switch in the circuit; means for closing the switch when the slide is moved to dispose the grip adjacent to the wheel to be locked; a second normally open switch in the circuit; and means operable by the lock to close said switch only when the parts of the wheel grip are in closed position and only upon improper manipulation of the lock.

1,503,787. MEANS FOR ENERGIZING OR WINDING THE SPRING MOTORS OF SOUND-REPRODUCING AND OTHER MACHINES. HARRY S. FOLK, Melbourne, Victoria, Australia. Filed Apr. 16, 1923. Serial No. 632,495. 2 Claims. (Cl. 185—39.)

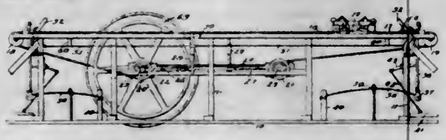
1. A winding device for spring motors, comprising a winding spindle adapted to be connected to the motor shaft; a ratchet fixed to the spindle; a winding drum loosely mounted on said spindle and embodying a central

barrel and flanged end members, one end member being remote from the ratchet and made hollow so as to form a housing; a pawl pivoted to the other end member of the drum to engage said ratchet; a pull-cord adapted to be wound on and unwound from the drum barrel and to rotate the same during its unwinding; a fixed bearing



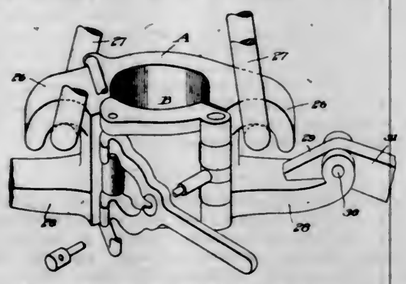
member for the drum projecting loosely into said housing in line with the spindle; and a return spring coiled within said housing and connected thereto at one end and at the other end to said fixed bearing member to automatically rotate the drum in the opposite direction when the pull-cord is released at the conclusion of the unwinding operation.

1,503,788. HEMP-STRIPPING MACHINE. PATRICK HENRY FRANK, Zamboanga, Philippine Islands. Filed June 5, 1920. Serial No. 386,722. 7 Claims. (Cl. 19—17.)



2. A hemp stripping machine comprising a main frame, knife frames adjustable vertically at opposite ends of the frame stripping knives in said latter frames, a carriage movable in the frame between said knives and having leaf holding clamps, actuating means for moving the carriage in relatively opposite directions, manually actuated connections for independently shifting the said carriage moving means into active position, connections actuated by the carriage for shifting said carriage moving means into inactive position, an adjustable controlling spring for each knife frame, and manually actuated means having engagement with the said knife frames for shifting the same against the tension of their springs.

1,503,789. WELL ELEVATOR. JOHN GRANT, Los Angeles, Calif., assignor to Dunn Manufacturing Company, Oxnard, Calif., a Corporation of California. Original application filed Apr. 13, 1922, Serial No. 552,264. Divided and this application filed May 2, 1923. Serial No. 636,101. 4 Claims. (Cl. 294—92.)



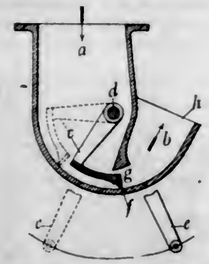
1. In an elevator having a body provided with open hook-like portions for engaging supporting links, a pawl pivotally engaged to the body near each of the hook-like portions of the body and having weighted portions forming balancing means for the pawls disposed so as to form an obstruction to the open hook-like portions of the body when the body is in lifted position and adapted to move to open position when the body is lowered to a resting position.

1,503,790. BUMPER. BENNIE P. HANSON, Cedar Falls, Iowa. Filed Sept. 5, 1923. Serial No. 661,032. 8 Claims. (Cl. 293—55.)



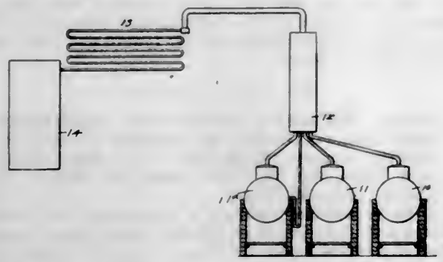
1. A bumper comprising spaced resilient bars, one bar having an end bent back in the form of a hook to extend reversely and contacting frictionally and slidably with another bar.

1,503,791. MEANS FOR DISCHARGING GRANULAR AND LIKE MATERIAL FROM RETORTS AND SIMILAR VESSELS. THOMAS WILLIAM STAINER HUTCHINS, Davenham, England. Filed June 25, 1923. Serial No. 647,731. 2 Claims. (Cl. 214—17.)



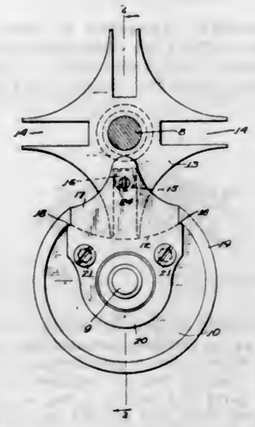
1. In apparatus for discharging granular and like materials from retorts and similar vessels, the combination comprising a stationary U-shaped conduit having its legs or branches of unequal length and directed substantially vertically, whereby the lower portion of the conduit will be sealed by material occupying said legs, said conduit having a lower curved wall merging into said legs, and an oscillating impeller arranged in the conduit and having a push-bar movable in a path parallel to said curved wall for forcing material from one leg into the other without breaking the seal formed by said material.

1,503,792. METHOD OF BLENDING GASOLINE. THOMAS L. KERR, Bighenrt, Okla., assignor of one-half to Kork Kelley, Dallas, Tex. Filed May 25, 1921. Serial No. 472,326. 4 Claims. (Cl. 196—37.)



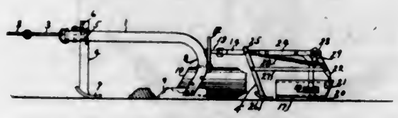
3. The method of making a hydrocarbon oil which includes distilling casing head gasoline, distilling a heavier hydrocarbon oil, commingling their vapors, and condensing the commingled vapors.

1,503,793. INTERMITTENT MOVEMENT FOR PROJECTORSCOPES. ABRAHAM KERSHAW, Scarborough, England. Filed Nov. 4, 1921. Serial No. 512,773. 3 Claims. (Cl. 74—21.)



1. An apparatus as characterized comprising a Geneva wheel; a constantly rotated driving wheel disposed in a plane coincident with said Geneva wheel; a plurality of bearing members contractibly mounted on said driving wheel; a driving pin mounted in said members; means for clamping said members on said pin; and means whereby said pin may be rotated.

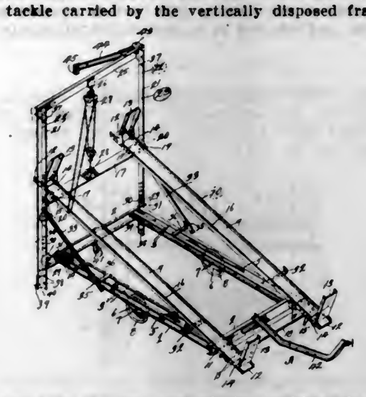
1,503,794. RIDGER AND GAP-FILLING MACHINE. CHARLES H. KRUSE, Coyote, and CHARLES M. GOODWIN, Santa Clara, Calif.; said Goodwin assignor to said Kruse. Filed Aug. 21, 1922. Serial No. 583,255. 5 Claims. (Cl. 97—55.)



1. In a device of the character indicated a gap closing machine comprising a revoluble scoop, a draft bar therefor, means carried by said draft bar for normally locking said scoop in operative relation to the ground, a shoe pivotally mounted on said draft bar, and a connection between said shoe and locking means for disengaging said locking means.

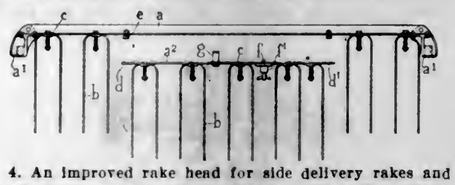
1,503,795. AUTOMOBILE HOIST. THOMAS A. MARTIN, Bridgeport, Conn. Filed Mar. 2, 1922. Serial No. 540,426. 3 Claims. (Cl. 214—1.)

1. An automobile conveying and supporting truck, said truck comprising a horizontally disposed frame, said frame being tiltable, an auxiliary frame disposed on the frame and pivoted thereto at one end, said auxiliary frame being provided with wheel receiving channels for the reception of automobile wheels, detachable brackets extending upwardly from the wheel receiving channels adjacent their outer ends, said brackets being inwardly and outwardly adjustable, the ends of the wheel receiving channels extending beyond the ends of the frame, a vertically disposed frame pivoted to one end of the frame and arching the free end of the auxiliary frame, a block and tackle carried by the vertically disposed frame and



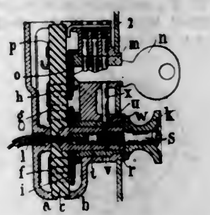
connected to the free end of the auxiliary frame and means for holding the free end of the auxiliary frame in raised position.

1,503,796. SIDE-DELIVERY RAKE AND SWATH TURNER. WILLIAM EDWARD MARTIN, Scotgate, Stamford, England. Filed June 19, 1923. Serial No. 646,302. 4 Claims. (Cl. 56—365.)



4. An improved rake head for side delivery rakes and swath turners having in combination upwardly extending end castings, a main rake head extending in a straight line horizontally between and located at the upper part of said end castings, tines permanently and directly fixed to each end of the main rake head, a detachable bar carrying tines, an angle iron fixed to said detachable bar having slots in the vertical portion thereof, a spring bolt carried by said detachable bar and entering an aperture in the main rake head and headed projections fixed horizontally in the main rake head over which projections fit the slots in the angle iron fixed to the detachable bar, the angle iron and detachable bar being throughout their lengths in close contact with the main rake head and all the tines extending from the main rake head into close proximity to the ground substantially as set forth.

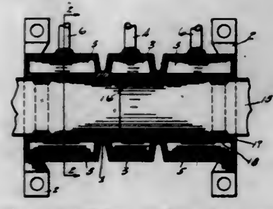
1,503,797. SWITCH OR SWITCHBOARD FOR CONTROLLING ELECTRIC CIRCUITS. ALBERT HENRY MIDGLEY, Uxbridge, England, assignor to Midgley Car Lighting Company, Limited, London, England. Filed Apr. 3, 1922. Serial No. 549,331. 8 Claims. (Cl. 200—44.)



1. A switchboard for controlling the starting, lighting and ignition circuits on motor vehicles, comprising a switch member adapted for both rotary and axial

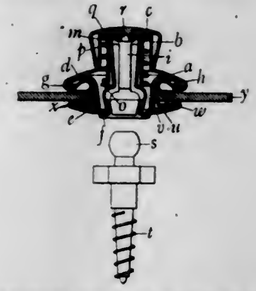
movements for controlling two of said circuits, and a locking member for locking said switch against both movements, and adapted to control the third circuit.

1,503,798. TUBE-VULCANIZING DEVICE. JOSEPH G. MOOMY, Erie, Pa., assignor to Mary H. Moomy, Erie, Pa. Filed Mar. 17, 1922. Serial No. 544,627. 5 Claims. (Cl. 18—38.)



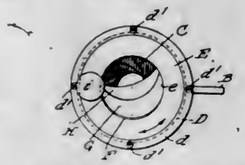
4. In a tube vulcanizing device, the combination of a mold; and means resisting longitudinal extension of the tube in the mold comprising friction surfaces of greater frictional resistance than the mold, said friction surfaces extending around and projecting slightly into the mold.

1,503,799. FASTENING OF THE BUTTON TYPE. THOMAS MORTON, Birmingham, England. Filed Nov. 8, 1923. Serial No. 673,607. 6 Claims. (Cl. 24—211.)



1. In a fastening comprising a pair of detachably connected parts, the combination comprising a pair of components constituting the body of one of the detachably connected parts, one of the components comprising a flanged disk having formed on one side of it a boss with an internal flange at its outer end, the other component comprising a plate also formed with a boss, said last mentioned boss being adapted to provide an annular seating, a contractible and axially movable element arranged within the said components, a spring for pressing said element against said seating, and external means for actuating said element.

1,503,800. OBLIQUE-LIGHT DIAPHRAGM. HARVEY N. OTT, Buffalo, N. Y., assignor to Spencer Lens Co., Buffalo, N. Y. Filed May 25, 1923. Serial No. 641,422. 12 Claims. (Cl. 88—39.)



1. An oblique light diaphragm for use on optical instruments, including a plurality of leaves which are movable into an inoperative position out of the path of light in which said leaves are arranged one directly above another, and which are movable successively toward the center of the path of light, each of said leaves being adapted to be positioned at a different distance from said center.

1,503,801. BUCKLE. LAWRENCE F. OTTEN, Newport, Ky., assignor to The L. F. Otten Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 8, 1922, Serial No. 580,495. 6 Claims. (Cl. 24—191.)



4. In a belt buckle for personal wear, a belt attaching lever adapted to be pivotally mounted and having ears each provided with a slot, a grip having a reduced end adapted to be inserted into its adjacent slot when assembling said parts and having a lug on said reduced end of less width than said reduced end to permit said grip to be detachably mounted.

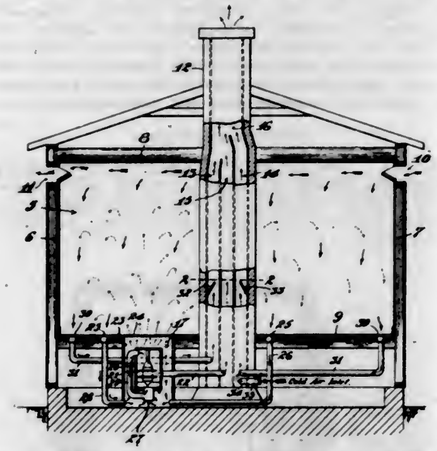
1,503,802. DRAFT DEVICE FOR LOCOMOTIVES. JOHN E. OSMER, Owosso, Mich., assignor of one-half to William F. Byerly, Owosso, Mich. Filed Feb. 28, 1921. Serial No. 448,445. 20 Claims. (Cl. 162—4.)

1. In a locomotive, the combination of a cylinder, an exhaust passage, a stack, and pressure fluid discharge means adapted to complement the intermittent blasts into the stack from the locomotive cylinders to effect a substantially constant discharge of pressure fluid into the stack irrespective of the speed of travel of the locomotive.

1,503,803. HEATING AND VENTILATING SYSTEM. ELMER PEMBERTON, Los Angeles, Calif. Filed Oct. 21, 1920. Serial No. 418,475. 3 Claims. (Cl. 98—27.)

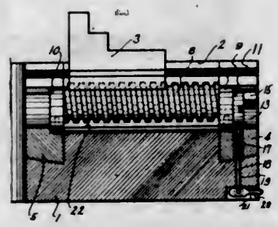
1. In a heating and ventilating system, a room, means for delivering cool air directly to the upper portion of the room, a chimney having a constricted upper end portion and formed with a smoke flue and a pair of vent flues, said smoke and vent flues opening into the constricted portion of the chimney a distance below the

chimney top at different elevations, a communication between each of said vent flues and the lower portion of



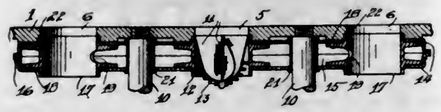
the room, and a heating element arranged to receive air for combustion from the lower portion of said room and to deliver hot products of combustion to the smoke flue.

1,503,804. QUICK-ADJUSTMENT CHUCK. JAMES L. PHILLIPS, Ensley, Ala. Filed June 11, 1923. Serial No. 644,611. 4 Claims. (Cl. 279—112.)



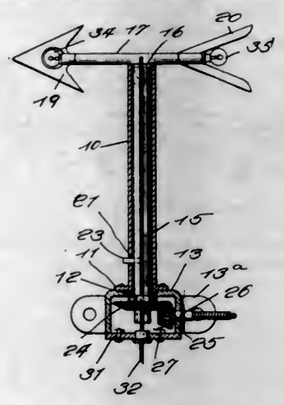
1. In a quick adjustment independent chuck, a face plate with a chuck jaw slot, a chuck jaw movable in said slot and having threads cut in an under portion thereof, a screw adapted to engage said threads and hold the jaw in adjusted positions, a full circular thrust bearing for each end of said screw, and means connecting said bearings for joint rotation, said screw being eccentrically journaled in said bearings whereby rotation of said bearings will quickly interengage and disengage said jaw and screw.

1,503,805. FUEL-MIXER FOR INTERNAL-COMBUSTION ENGINES. CHARLES L. REED, Rochester, N. Y. Filed Mar. 25, 1921. Serial No. 455,560. 6 Claims. (Cl. 123—122.)



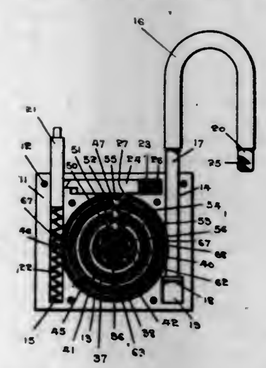
1. A fuel mixer comprising a chamber having an inlet passageway and two exhaust passageways on opposite sides of the inlet passageway, each passageway entering through one wall of the chamber and out through the opposite wall in line with its entrance, the inlet passageway being closed to the chamber and the exhaust passageways, each opening to the chamber.

1,503,806. AUTOMOBILE DIRECTION SIGNAL. FRED L. ROSE, Concord, Calif. Filed Sept. 24, 1923. Serial No. 664,470. 5 Claims. (Cl. 116—46.)



1. In a direction signal, a pivotally mounted unbalanced signal bar adapted to be raised and lowered, a support upon which the bar rests when in lowered position to thereby maintain the bar in horizontal position, and means for rotating the bar including a part elevating the bar upon rotation thereof to a predetermined degree to thereby disengage the bar from the support and permit tilting thereof.

1,503,807. PERMUTATION LOCK. JOHN L. SAUNDERS and JESSE C. SAUNDERS, Sedalia, Mo., assignors of one-fourth to W. W. Barrett and one-fourth to E. R. Barrett, both of Sedalia, Mo. Filed Nov. 24, 1922. Serial No. 603,096. 37 Claims. (Cl. 70—19.)

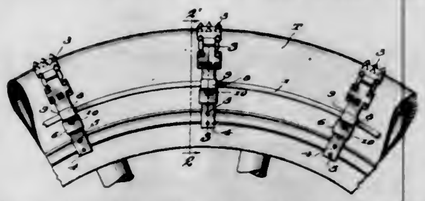


1. In a lock, relatively movable tumblers, means movable with the tumblers and arranged to move relatively to the tumblers when the tumblers are brought to a predetermined relative position, and latching means arranged to be moved with the tumblers by said means when said means are moved relatively to the tumblers.

1,503,808. ATTACHMENT FOR ANTISKID DEVICES. HERMAN F. C. SCHULTZ, Youngstown, Ohio. Filed Dec. 11, 1923. Serial No. 679,923. 2 Claims. (Cl. 152—14.)

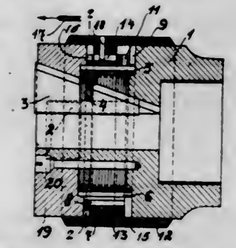
2. In a device of the character described, in combination with a tire, a pair of holding rings, each provided with a plurality of openings and adapted to be disposed upon opposite sides of said tire, a plurality of cross-section members, each of said members being provided at

each end with an extension strap or bar adapted to engage an opening in said ring, and provided with one or more openings, a clamping member slidably engaging



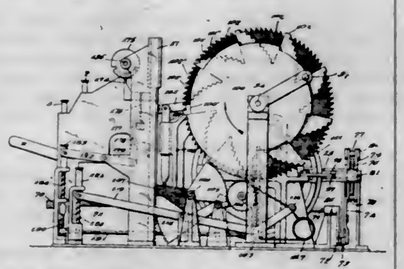
said extension bar, and provided at its inner end with a transverse clip element adapted to engage said holding ring, and means for holding said clamping member at any pre-determined point upon said bar.

1,503,809. CHUCK WITH WEDGE JAWS. PAUL SCHULZ, Bodenbach-on-the-Elbe, and JULIUS JAKOWITSCH, Kemotau, Czechoslovakia. Filed Feb. 28, 1922. Serial No. 539,967. 3 Claims. (Cl. 270—70.)



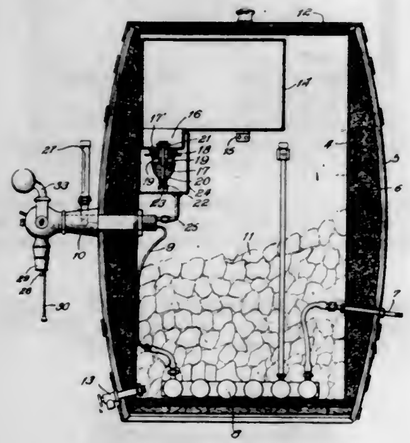
1. An improved wedge chuck comprising in combination a body, wedge shaped clamping jaws, a disk partly inserted in said clamping jaws and controlling same, a nut surrounding said disk and in threaded engagement therewith for displacing the disk in an axial direction, a pin traversing the body and the disk in axial direction and designed to prevent the disk from rotating, teeth on the outer surface of said nut, a ring eccentrically mounted upon said nut, internal teeth on said ring engaging with the teeth of the nut, an outer sleeve having an eccentric rib in its bore, rotatable on said body and adapted to be displaced upon said body in an axial direction, means on the outer surface of the said ring to be engaged by the eccentric rib of the outer sleeve for longitudinally shifting the ring when the outer sleeve is axially displaced and means for coupling said ring with the body to lock the jaws in closed position.

1,503,810. CALCULATING MACHINE. TAYLOR W. ROSS, Madison, Ind. Filed Jan. 19, 1920. Serial No 352,314. 21 Claims. (Cl. 235—61.)



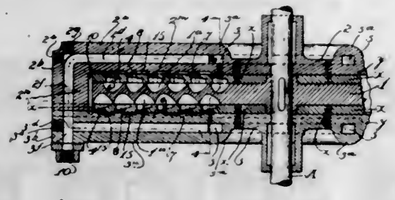
1. In a calculating machine, setting-up mechanism comprising a primary element to be positioned, a plurality of gage elements movably associated with said primary element, a stop member between each adjacent two of said elements, said stop member being relatively adjustable between its members to determine the amount of relative movement, a final stop member arranged in the path of movement of the final of said elements and adjustable to different positions to determine the amount of movement of said final element, finger keys connected to said stop members for setting the same, and means for indicating the positions of said stop members.

1,503,811. DISPENSING APPARATUS. CHARLES L. BASTIAN, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 19, 1921. Serial No. 446,447. 2 Claims. (Cl. 225—23.)



1. A draft for dispensing apparatus comprising a short and comparatively large nozzle for discharging a coarse stream of carbonated water, a pipe smaller than said nozzle arranged in and projecting below the nozzle for discharging syrup, another pipe smaller than the syrup pipe and arranged in the nozzle and projecting below the syrup pipe and adapted to discharge a fine stream of carbonated water at the bottom of a glass being filled from said arm, and a valve common to the nozzle and the two pipes.

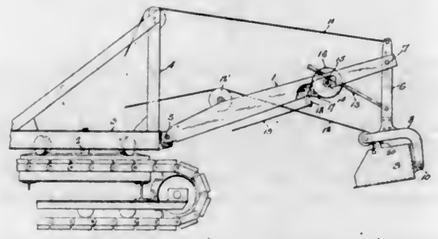
1,503,812. STEAM TURBINE. ERIC BLUCKER, Chicago, Ill. Filed May 12, 1923. Serial No. 638,473. 9 Claims. (Cl. 253—94.)



1. In a steam turbine in combination with a rotor disk having a plurality of concentric series of laterally opening pockets concavely curvilinear in circum-axial section of the disk; a casing in which the rotor is fitted to revolve with its said pocketed face contiguous to a fixed wall of the casing, said wall having a corresponding plurality of concentric series of pockets opening toward the rotor disk pocket series respectively; annular channels situated laterally outward from the pockets of each series

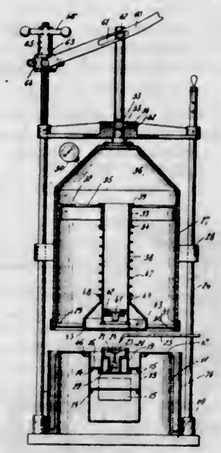
of the casing, and ducts from said channels extending between the pockets of the adjacent series opening at the inner face of the casing for discharge into the rotor pockets of the next outward series; the innermost of said annular channels having steam pipe connections, and ducts from each casing pocket leading into the casing channels lateral to the next outer series of casing pockets, for supplying to said channels steam for discharge as described into the opposed series of rotor pockets.

1,503,813. EXCAVATOR. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Filed Nov. 27, 1922. Serial No. 603,535. 10 Claims. (Cl. 214—138.)



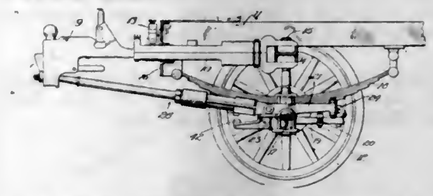
1. In a device of the class described, the combination of a boom, a dipper handle pivotally mounted thereon, a dipper pivotally mounted on the dipper handle, a hoisting line operatively connected to the boom, a sheave mounted near the lower end of the dipper handle, a drag line attached to the dipper to swing the same relative to its handle and passing over the sheave, and means for holding the dipper handle from rotating with respect to the boom.

1,503,814. DENTAL CASTING MACHINE. MARTIN F. BURNS, Flushing, N. Y. Filed Nov. 21, 1922. Serial No. 602,448. 37 Claims. (Cl. 22—69.)



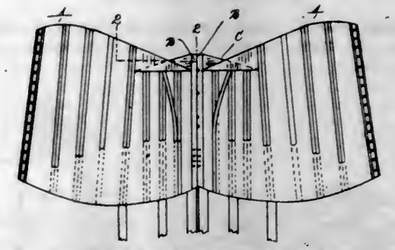
1. A dental casting machine comprising a pair of telescoping members, one of said members having a support for a dental flask and the other member having means for directing the air to said flask as said members are moved into telescoping relation and the air is compressed between the members.

1,503,815. TRAILER TRUCK. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed July 10, 1920. Serial No. 395,273. 24 Claims. (Cl. 280—33.55.)



1. A trailer truck having, in combination, a body frame, an axle having swivelled carrying wheels thereon, springs supporting said frame from said axle, a draw bar pivotally mounted on said frame, a tie rod connecting said wheels to maintain them in parallelism, a steering lever pivoted on a vertical axis on said axle and connected with said wheels, an inclined lever having its front end detachably connected to said draw bar and having its rear end connected to said steering lever to rock up and down thereon but to cause rotation of said steering lever about its axis, means for locking said draw bar to the body frame in a central position, and means rigid with said axle with which said inclined lever is arranged to be interengaged when disconnected from the draw bar whereby to hold the wheels at right angles to the axle.

1,503,816. CORSET. HARRY A. COLLEY, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1921. Serial No. 455,938. 2 Claims. (Cl. 2—30.)



1. A corset formed of two sections, the upper edges of said sections being inclined downwardly and inwardly toward each other, each section having an opening at the top thereof, and inner and outer substantially triangular-shaped elastic members crossing each other and secured to the edges of said openings, the upper edges of the outer members being in alignment with the inclined edges of said sections.

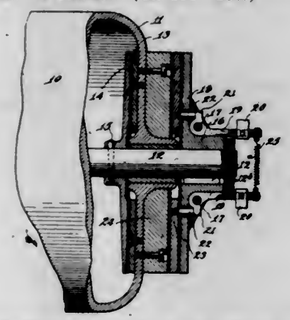
1,503,817. OIL BURNER. THOMAS S. COMPERE, Joplin, Mo. Filed July 14, 1922. Serial No. 575,080. 5 Claims. (Cl. 158—77.)



3. An oil burner comprising a mixing chamber having an opening extending therethrough and tapered from opposite ends to form a restricted opening intermediate the ends of the chamber, an oil supply pipe having an atomizing nozzle arranged within said restricted opening and spaced from the walls thereof, a sleeve surrounding said oil pipe and communicating with the inner end of

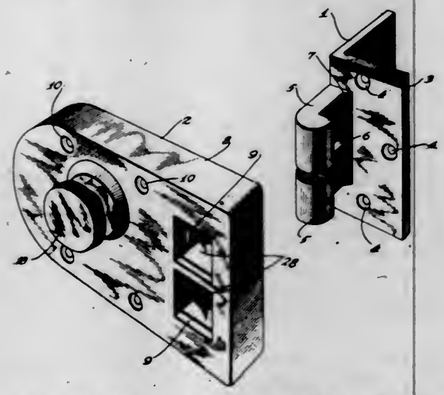
the opening in said mixing chamber, means for supplying a combustion supporting fluid to said sleeve, an agitating chamber connected at the opposite end of the opening in said mixing chamber, a pair of revolving fans mounted in said agitating chamber, said fans being adapted to rotate in opposite directions, and a burner nozzle connected with said agitating chamber.

1,503,818. ELECTRIC-MOTOR GOVERNOR. HERBERT W. CRANE, Chicago, Ill. Filed Apr. 14, 1922. Serial No. 552,722. 6 Claims. (Cl. 188—187.)



5. In a governor for electric motors, the combination of a fixed wall, an armature shaft, a friction disk rigid with the shaft, governor arms mounted on the shaft, and a fixed surface against which the centrifugal force of the governor may be exerted whereby to effect bodily longitudinal movement of the armature shaft, the governing device and the friction disk into contact with said wall.

1,503,819. LOCK. JOHN DECKER, New York, N. Y. Filed Sept. 20, 1921. Serial No. 502,055. 6 Claims. (Cl. 70—76.)



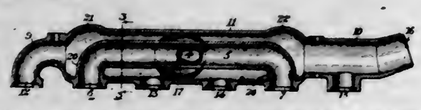
1. A door lock embodying a casing adapted to be mounted on one side of a door so as to project beyond the edge thereof and provided adjacent one end with an opening positioned beyond the edge of the door, a movable member within the casing and also provided with an opening, and means for moving said member to bring the opening of the member into and out of registration with the opening of the casing, in combination with a hook shaped keeper intended to be mounted on one side of the door jamb in the path of the opening of the casing and adapted, when the door is swung shut, with the opening of the movable member in registration with the opening of the casing, to pass through said opening and into the casing, whereupn the movement of said member will shift the same into a position wherein the openings are out of registration to cause the hook shaped keeper to hook over the movable member and preclude separation of the casing and keeper and keep the door closed until the opening of the movable member is returned to registration with the opening of the casing.

1,503,820. SAFETY DOOR LOCK. GEORGE DIETZ, New York, N. Y. Filed Oct. 19, 1923. Serial No. 669,471. 4 Claims. (Cl. 292—293.)



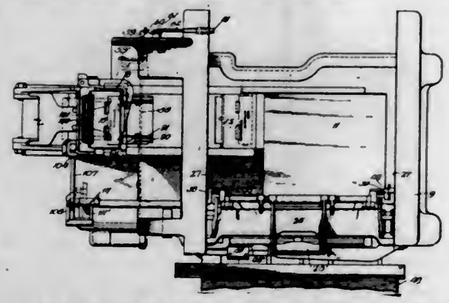
1. A device of the class described comprising a rectangular frame, the sides of said frame having grooves therein, a carriage extending across said frame and engaged in said grooves, a threaded shaft rigid with said carriage, a wing nut engaging said shaft, said wing nut when rotated being adapted to lift or lower the carriage, the frame being insertable between a door and door frame, and means on said carriage for engaging said door frame.

1,503,821. COMBINED EXHAUST AND INTAKE MANIFOLD. CHARLES F. DIKE, Joplin, Mo. Filed Mar. 23, 1918. Serial No. 224,185. 2 Claims. (Cl. 123—122.)



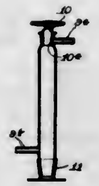
1. An exhaust manifold, an intake manifold having an approximately horizontal portion wholly within and in spaced relation to all the walls of the exhaust manifold and formed with outlet passages opening through the exhaust manifold on the same side and in alignment with the exhaust receiving ports thereof, said intake manifold being arranged opposite to but spaced farther from the exhaust ports than from the wall of the exhaust manifold opposite said exhaust parts, said exhaust manifold being formed with enlargements opposite said outlet portion of said intake manifold for the purpose described.

1,503,822. PRINTING AND ADDRESSING MACHINE. JOSEPH S. DUNCAN and ULYSSES G. LEE, Chicago, Ill., assignors to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1920. Serial No. 383,615. 29 Claims. (Cl. 101—56.)



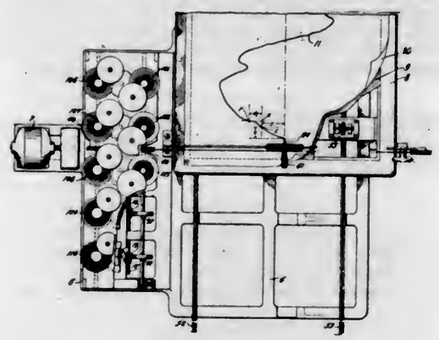
1. In a printing machine, the combination of means for feeding printing devices one at a time to printing position, selector means, and means for imparting a movement to the printing device to be fed preliminary to its feeding movement to operate the selector means.

1,503,823. DRYING TUBE. WILLIAM F. FINKL, Chicago, Ill. Original application filed June 16, 1919, Serial No. 304,466. Divided and this application filed May 20, 1921. Serial No. 471,298. 5 Claims. (Cl. 23—3.)



1. A drying tube having a body portion, an upper stopper therefor, a lower removable stopper therefor forming a base for said tube, the lower end of the drying tube projecting into the interior of said lower stopper so that the lower stopper engages the outer face of the drying tube, whereby the material in the drying tube is prevented from getting between the engaging faces of the tube and stopper.

1,503,824. HARMONIC ANALYZER. THORNTON C. FRY, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N Y., a Corporation of New York. Filed Dec. 11, 1920. Serial No. 430,103. 22 Claims. (Cl. 33—1.)

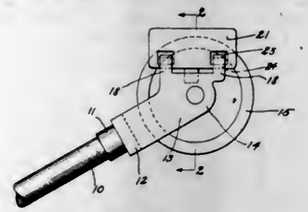


1. A harmonic analyzer comprising a base member, a movable frame and a plurality of integrating mechanisms mounted on said base member, and a source of power connected with said frame and mechanisms for imparting motion thereto.

1,503,825. METHOD OF WELDING METALS. HANS GOLDSCHMIDT and GUSTAV SCHÖNWALD, Berlin, Germany, assignors to Gesellschaft für Aluminothermie, Berlin, Germany. Filed June 8, 1922. Serial No. 566,849. 8 Claims. (Cl. 22—204.)

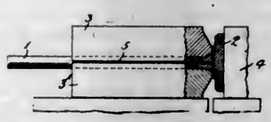
1. The method of uniting metal parts which consists in substantially enclosing the surfaces to be joined, circulating highly heated gas over said enclosed surfaces to preheat them to substantially welding temperature, then placing around said highly heated surfaces a mould of reduced content which engages the sides of said parts and extends in close proximity to the edges of said surfaces to be joined and introducing into said mould molten metal, while said surfaces to be joined are in close proximity therein.

1,503,826. TROLLEY GUIDE. FRANK GROSS, Brooklyn, N. Y. Filed Sept. 24, 1923. Serial No. 664,480. 3 Claims. (Cl. 191—77.)



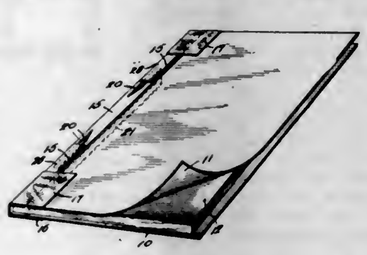
1. A trolley comprising a grooved pulley, a yoke supporting said pulley, ears projecting from the sides of said yoke, the sides of said yoke having a recess between each set of ears, the ears being provided with vertical slots, guard plates, means in said plates engaging the recesses between the ears, and means for permitting rotation of said plates.

1,503,827. PROCESS OF WELDING CAST IRON TO STEEL. PRESTON M. HALL, Swampscott, Mass., assignor to Thompson Electric Welding Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 20, 1922. Serial No. 530,525. 17 Claims. (Cl. 219—10.)



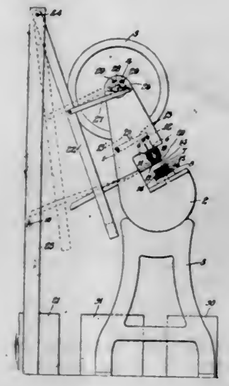
1. Composite metal work consisting of a headed rod the head and stem of which are united on the side of the head from which the rod projects by a heat and pressure weld formed in part of the forged metal of the end portion of the stem shaped and welded by pressure against the surface of the head to produce a weld having in the aggregate a cross-sectional area greater than the cross-sectional area of the stem back of the weld.

1,503,828. PERMANENT DOCUMENT BINDER. FREDERICK H. HARRIS, Chicago, Ill. Filed Oct. 6, 1920. Serial No. 414,993. 7 Claims. (Cl. 281—21.)



1. A document binder comprising two covers separate from each other and having stubs at their rear edges which lie in the respective planes of said covers, flexible lacing elements fixed to the stub of one cover and threaded through apertures in, and lying upon, the stub of the other cover, and flexible strips separate from the covers and stubs to hinge said covers to their respective stubs, one of said strips being extended beyond its associated stub and arranged to be folded over and fastened to the other stub and the adjacent margin of its associated cover and to also overlie the terminals of said lacing elements.

1,503,829. POWER PRESS FOR FORMING MICA WASHERS AND OTHER INSULATING FORMS. ELDON G. HEALD, West New Brighton, N. Y., assignor to Eugene Munsell & Co., New York, N. Y., a Corporation of New Jersey. Filed Mar. 12, 1923. Serial No. 624,343. 7 Claims. (Cl. 164—13.)



1. In a machine for stamping insulating forms from insulating sheets, a pair of relatively movable cooperating die members, one disposed above the other and a reciprocable inclined chute operating in synchronism with the relatively reciprocating die members, said chute having its lower end leading to a depository for receiving the finished forms and adapted to assume positions alternately with its elevated end between the dies when they are separated and out of the path of the moving die when the latter is operated to bring it into engagement with the stationary die.

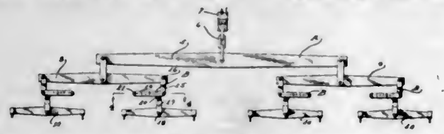
1,503,830. SKY-WRITING DEVICE. GEORGE HINEMAN, Ann Arbor, Mich. Filed Mar. 12, 1924. Serial No. 698,585. 9 Claims. (Cl. 244—1.)



5. In a sky writing device, the combination of means for projecting a plurality of smoke bombs each provided with timing mechanism for exploding the same simultaneously, means carried by the bombs for propelling the same at different initial velocities, whereby the said bombs are exploded at different altitudes, and means for controlling the projecting of said smoke bombs at predetermined time intervals.

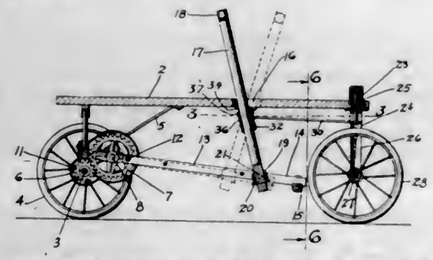
1,503,831. DRAFT DEVICE. OSCAR H. HOVDA, Grand Meadow, Minn. Filed Sept. 14, 1922. Serial No. 588,261. 2 Claims. (Cl. 280—33.16.)

1. In a draft appliance, a means for connecting parts of the appliance together including a pair of levers, means pivotally connecting the levers together at one end, said levers being normally positioned longitudinally of each other with one extending beneath the other and one having its free end portion extending to one side to project beyond the side of the other lever when the levers are in the normal position, means pivotally connected with the free ends of said levers for connecting the levers with the parts of the draft appliance, said levers having openings for registering when the



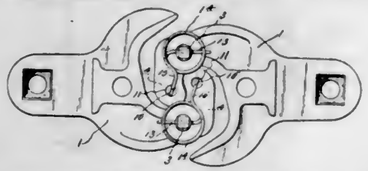
levers are in a normal position, and a fragile pin adapted to be passed through aligned openings in the levers to releasably retain the levers in the normal position.

1,503,832. TRICYCLE. ARTHUR O. HUBBARD, Minneapolis, Minn. Filed May 7, 1923. Serial No. 637,262. 9 Claims. (Cl. 208—38.)



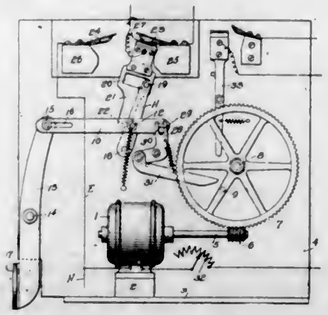
1. A child's vehicle comprising a frame having rear driving wheels and a forward steering wheel, a lever mounted to oscillate on a horizontal axis in said frame and operatively connected through a foot-operated lever pivoted thereon with said rear wheels, said first mentioned lever being also mounted to rotate on its longitudinal axis, and means connecting said lever with said forward wheel for oscillating it to steer the machine.

1,503,833. CAR COUPLER. GEORGE W. JACOBS, Los Angeles, Calif. Filed June 13, 1922. Serial No. 567,955. 1 Claim. (Cl. 213—116.)



In combination, a draw head formed with a vertical pin receiving opening, a jaw member, a pivot pin extending through an opening in the jaw member, and the pin receiving opening of the draw head for pivotally connecting the jaw member thereto, said draw head being formed at one side with a plurality of slots adjacent the pin receiving opening and extending radially therefrom, a cotter pin extending through the transverse opening in the pivot pin and seating in one of said radial slots, a coil spring having one end formed in diametrical relation to the coil thereof, and extending through an opening in the end of the pin opposite the end receiving the cotter pin, said end portion seating against the surface of the draw head, and the other end of said spring extending outwardly from the coil and formed with a laterally extending terminal seating in an opening in the jaw member, whereby the cotter pin secures the pivot pin against axial movement in the draw head, locks the diametrical end portion of the spring in the pin against the upper side of the draw head, and is adapted for adjustment in the radial slots to increase or decrease the tension of the spring for operating the jaw member.

1,503,834. TIMING APPARATUS FOR USE WITH PICTURE-PROJECTING MACHINES. GEORGE A. KERESTES, Pittsburgh, Pa., assignor to Novelty Amusement Co., Pittsburgh, Pa., a Corporation of Delaware. Filed May 20, 1919. Serial No. 298,405. 6 Claims. (Cl. 161—1.)

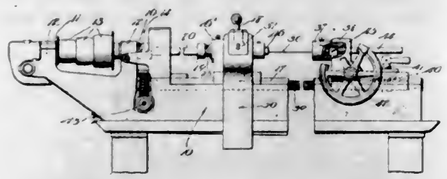


1. In apparatus of the character described, the combination with an interrupted electric circuit, a switch device in said circuit, a timing mechanism including an electric motor, manually controlled means for moving the switch to complete the circuit to the motor, and switch moving means interposed between the timing machine and the switch device and coacting with the timing mechanism for moving the switch to break the circuit to the motor.

1,503,835. SOLIDIFIED LIQUID FUEL AND PROCESS OF MAKING THE SAME. HERBERT KRANICH, Brooklyn, N. Y., assignor to S. Sternau & Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 7, 1919. Serial No. 302,564. 9 Claims. (Cl. 44—7.)

1. A solid infusible fuel, comprising a solution of approximately 5 parts alcohol, 1 part pyroxyline, 1 part acetone, 75 parts of a 5% solution of ammonium nitrate and dissolved in alcohol, and a small proportion of sericose.

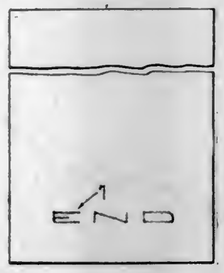
1,503,836. DEEP-DRILLING MACHINE. JOHN J. KUNZER, Chicago, Ill., assignor to Joseph T. Ryerson & Son, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1919. Serial No. 288,169. 16 Claims. (Cl. 77—3.)



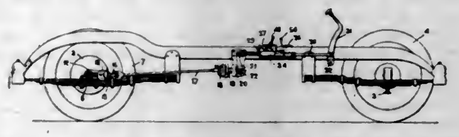
1. In drilling machines, chuck means for holding the work for presentation thereto of a drill, and means having end engagement with the face of the work to automatically frictionally form a metallic seal in the end face of the work around the drilled area.

1,503,837. TYPEWRITER SHEET. JOHN A. LANCASTER, Jersey City, N. J. Filed Oct. 23, 1920. Serial No. 418,950. 4 Claims. (Cl. 283—1.)

2. A sheet for use in a writing machine, having near one end an isolated mark to indicate the approach of the end of the sheet when the sheet is being written upon, said mark being spaced at a definite predetermined position from the end of the sheet, so that the operator may be enabled, when discerning the mark, properly to gage the work and thereby avoid overwriting the sheet.

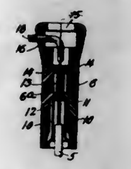


1,503,838. BRAKE-ACTUATING MECHANISM. RALPH M. LOVEJOY, Meredith, N. H. Original application filed Aug. 4, 1919, Serial No. 315,051. Divided and this application filed Feb. 7, 1921. Serial No. 443,000. 8 Claims. (Cl. 188—196.)



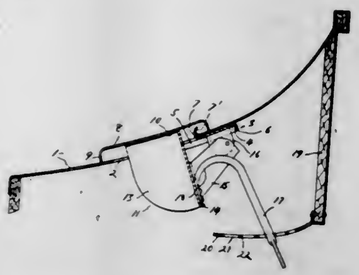
8. Brake mechanism comprising a brake, a brake lever, means connecting said brake lever to said brake including a sectional instrumentality comprising a housing connected to one of the members of said sectional instrumentality and a rack telescopically mounted in said housing connected to the other member of said sectional instrumentality, a lever fulcrumed upon said casing having a pawl on one arm thereof engaging said rack and the other arm thereof movable into engagement with a stationary member during the brake-applying movement of said brake lever and operable upon further movement of said brake lever to shorten the effective length of said sectional instrumentality and a dog mounted upon said casing engaging said rack acting to retain the sectional instrumentalities in said shortened condition.

1,503,839. PLUG FOR SADIRONS. THOMAS J. MADIGAN, New York, N. Y. Filed Jan. 7, 1922. Serial No. 527,584. 3 Claims. (Cl. 173—332.)



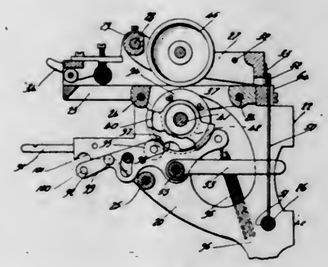
1. A connecting plug for electrically heated sad irons composed of similar insulating sections, each carrying a pair of socket sections symmetrically positioned in the meeting faces of the plug sections so that when the plug sections are secured together the corresponding members of the pairs of socket sections will be electrically connected and disposed in cooperative relation to form a resilient socket, and an integral hook on one section of each pair engaged by the other section when the plug sections are secured together to clamp said hook on the lead wire.

1,503,840. COWL-VENTILATOR. HERMAN C. MAISE, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec 27, 1922. Serial No. 609,203. 2 Claims. (Cl. 98—22.)



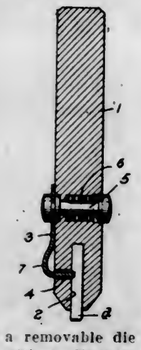
1. The combination with a cowl having an opening therein and a flange extending upwardly from the rear edge of the opening, a bracket plate secured directly to the inner face of said cowl at the rear edge of said opening and having leg portions secured to said cowl at the opposite ends of said opening, said bracket plate also having a flange projecting upwardly from its forward edge, said flange extending through the opening in the cowl and reinforcing the flange of the cowl at the rear edge of the opening, a cover for the opening in the cowl having marginal depending flanges, the flanges of said cover being of sufficient height to embrace the upwardly extending flange aforesaid and still contact with the upper side of the cowl on all sides of the opening therein, a shield projecting inwardly from said cover and pivotally connected to said bracket plate, said shield being formed from one piece of material and comprising a rear wall and forwardly extending side wings, said rear wall and side wings having flanges at one end secured directly to the inner face of said cover, and actuating means for said cover connected to the rear wall of said shield.

1,503,841. TICKET-DELIVERING MACHINE. ALBERT MARSH and HERBERT PHILIP ALAIS, London, England. Filed Aug. 27, 1923. Serial No. 659,606. 27 Claims. (Cl. 101—66.)



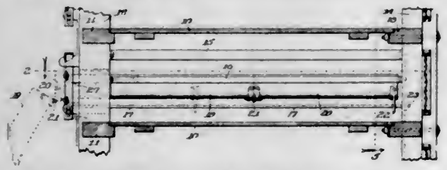
1. In a ticket delivering machine, a rotatable mutilated roller and a freely pivoted roller adapted to grip the ticket strip between them, a main frame and a hinged frame in which these rollers are mounted, means for resiliently pressing the two rollers towards each other, a slidable stop adapted to engage each ticket of the strip in turn so as to positively position it between each movement, a guillotine knife for cutting off each ticket, means for actuating this knife through the rotation of the mutilated roller and means for rotating this roller so as to perform the various operations in succession.

1,503,842. DIE HOLDER. JAMES H MATTHEWS, Pittsburgh, Pa. Filed Feb. 7, 1924. Serial No. 691,091. 2 Claims. (Cl. 101—28)



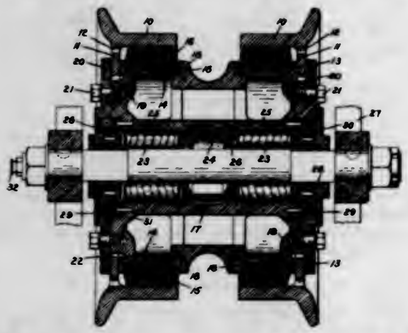
1. A holder for a removable die consisting of a body member provided with a die-seat, a spring-backed bolt extending transversely through and movable within an opening in said body member, and a locking member borne by said bolt alone and movable with said bolt to and from die-engaging position.

1,503,843. TROUGH FOR POULTRY CARS. ARTHUR MILLER, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company, a Corporation of Delaware. Filed Aug. 22, 1923. Serial No. 658,821. 3 Claims. (Cl. 119—12.)



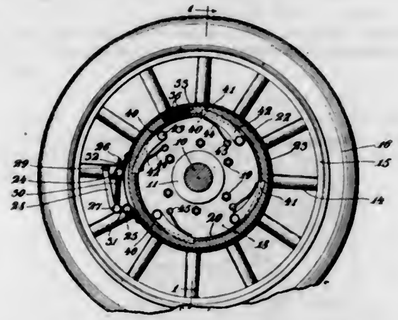
1. In a poultry car, a central aisle, a row of coops at one side of said aisle, adjacent coops having a dividing partition, a trough made up of a plurality of sections hinged together at the bottom and forming part of said partition, whereby said trough sections may be drawn into the aisle and lowered, and means for preventing separation of said sections from the partition.

1,503,844. RESILIENT WHEEL OR TRACK ROLLER. LUCIAN B. MOODY, Beadle County, S. Dak. Filed May 21, 1924. Serial No. 714,920. 8 Claims. (Cl. 295—11.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



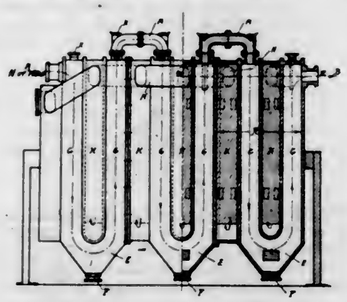
1. A resilient wheel embodying separable rims each formed with an inwardly projecting annular web, base bands spaced from the rims and abutting the webs, resilient elements carried by the base bands and engaging the rims, a hub within the base bands, annular flanges formed on the hub for supporting the bands and spaced from the webs of the rims about their entire peripheries, a centrally disposed annular portion formed on the hub for supporting and spacing the bands, caps secured to the hub and abutting the web of the rims for maintaining the rims and bands in assembly, a gudgeon, and anti-friction elements interposed between the hub and the gudgeon.

1,503,845. VEHICLE HUB CLUTCH. GEORGE OLM, New York, N. Y. Filed Nov. 25, 1921. Serial No. 517,598. 1 Claim. (Cl. 188—81.)



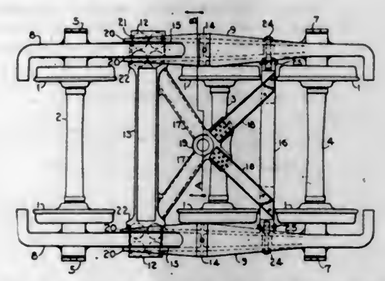
A vehicle wheel hub brake comprising, in combination with a driven axle, a wheel fixed at one end thereof, a disc secured to the inner side of the hub of said wheel, a brake drum formed with said disc, said drum having an outwardly flanged edge, a brake band encircling said drum, and means for tightening said band, of a ring interposed between said drum and band, anti-frictional elements between said drum and ring, means for maintaining said anti-frictional elements in adjustment, pawls pivoted on said disc, said pawls passing through slots in said brake drum and being engageable in recesses in said ring, and means carried by said disc for causing such engagement.

1,503,846. HEAT-EXCHANGE APPARATUS. OLIVIER PIETTE, Brussels, Belgium. Filed Feb. 26, 1921. Serial No. 448,194. 4 Claims. (Cl. 257—223.)



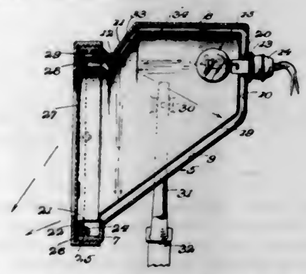
1. An apparatus for heat exchange between two fluids comprising juxtaposed vertical rectangular chambers, a number of which form separated elements, each of which is constructed completely independently of the others and made in the same manner, said chambers being interconnected in pairs, and each of two consecutive chambers being separated by a single thickness of plane sheet iron, the chambers traversed by the heated fluid being interconnected at their upper parts, the chambers traversed by the heating fluid being connected alternately at their upper parts and at their lower parts.

1,503,847. SIX-WHEEL CAR TRUCK. JOHN A. PILCHER, Roanoke, Va. Filed June 21, 1921. Serial No. 479,300. 7 Claims. (Cl. 105—195.)



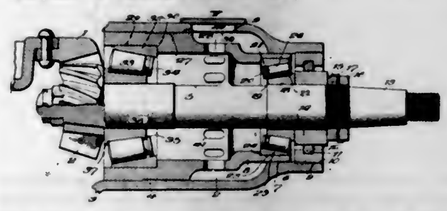
1. In a six-wheel car truck, a pair of side-frame sections disposed without the lines of the truck wheels, a pair of load-receiving equalizing members disposed without the lines of the truck wheels, the said load-receiving equalizing members being rotatable in a vertical plane about a point between the ends thereof.

1,503,848. HEADLIGHT. LOUIS P. POWERS, Philadelphia, Pa. Filed May 28, 1923. Serial No. 641,990. 2 Claims. (Cl. 240—41.)



1. In a headlight, the combination of an elongated casing and reflector of substantially oval shape in cross section, each having a front circular opening disposed on a vertical plane and surrounded by an annular flange, a bottom wall inclined upwardly towards the back wall which is disposed above the center of said opening and a top wall disposed on a horizontal plane above the peripheral edge of said opening, said top wall having its forward portion inclined downwardly adjacent said opening connecting the top wall with said flange and forming a shield within said casing to the rear of said opening and an incandescent light mounted in the back and adjacent the top wall of said reflector in alinement with said shield.

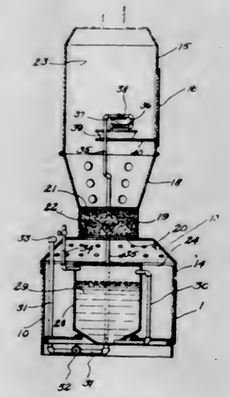
1,503,849. BEARING CARRIER NUT. JAMES M. PROCTOR, Shreveport, La. Filed May 15, 1920. Serial No. 381,732. 3 Claims. (Cl. 64—39.)



1. In combination with a shaft-enclosing housing having an internally threaded portion and a shaft therein, of a carrier nut comprising a sleeve having external

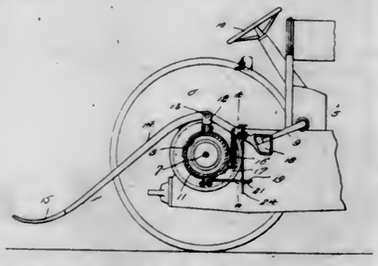
threads engaging the internal threads of the housing, said sleeve provided at each end with means for receiving bearing race rings for bearings, race rings and bearings in said means, means to move the sleeve longitudinally in the housing to tighten or loosen the bearings at one end of the sleeve, and means for adjusting the bearings at the opposite end of the sleeve.

1,503,850. OIL BURNER. WILLIAM ROCKEFELLER and FRANK J. GAYDA, Detroit, Mich. Filed May 15, 1923. Serial No. 639,055. 1 Claim. (Cl. 158—53.)



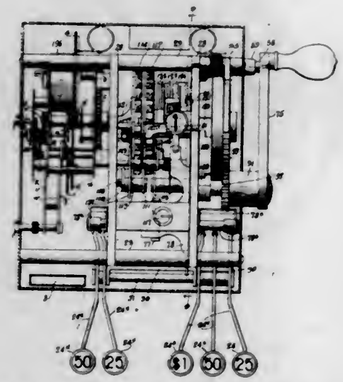
A heater comprising a body having an upper and lower compartment, the compartments being separated by an asbestos layer, said compartments having openings therein, hinged doors adapted to cover said openings, a fuel tank in the lower compartment, a feed pipe extending vertically from the tank to the upper compartment, the upper end of said feed pipe being formed into a U-shaped fixture, said fixture having a port therein, a diffusing disc mounted above said port adapted to spread the flames of the burning oil, an igniting pan below said port adapted to receive the oil from said port before ignition, the burning oil in said pan being adapted to heat said feed pipe, a platform beneath said port rigidly secured to the door, said platform adapted to be rotated with the door and shift the pan therewith, the platform having a curved edge generated by using the door pivot as a center.

1,503,851. OVERTURNING PREVENTION FOR TRACTORS. ANTHONY RODI, Hammonton, N. J. Filed June 28, 1923. Serial No. 648,197. 3 Claims. (Cl. 180—82.)



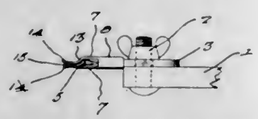
1. In combination with a tractor, wherein the driving wheels are disconnected from the engine by a depressible pedal, a lever operatively engaged with the clutch pedal and pivotally mounted for vertical movement, said lever being engageable with the ground upon starting of overturning movement of the tractor for causing its swinging movement to depress said clutch pedal, and means to automatically retain the clutch pedal depressed when actuated by swinging of the lever, said means embodying a laterally swingable latch pivoted to the forward end of the lever, and yieldable means for normally holding the lever positioned with its rear end slightly spaced above the ground.

1,503,852. MACHINE FOR RECEIVING FARES, DELIVERING FARE TOKENS OR COINS, AND ISSUING TRANSFERS OR TICKETS. ARTHUR D. ROGERS and WILLIAM F. REYNOLDS, Dayton, Ohio; said Reynolds assignor, by direct and mesne assignments, of two-tenths to said Rogers and one-tenth to George W. Durham, Dayton, Ohio. Filed Sept. 28, 1921. Serial No. 504,001. 20 Claims. (Cl. 101—66.)



1. In a machine of the character described, the combination with locking devices and a conductor's key adapted to be locked and unlocked thereby, of crank mechanism, a locking arm, and a device controlled thereby to permit of or prevent the rotation of the crank, said locking arm adapted to be actuated by the conductor's key to release such device to permit the crank to be rotated.

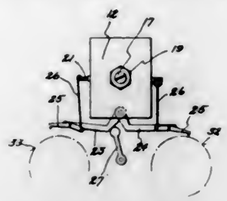
1,503,853. THREAD RETAINER FOR SPOOLING GUIDES. CHARLES F. ROYCE, Watertown, Conn., assignor to Heminway & Bartlett Silk Co., Watertown, Conn. Filed Feb. 29, 1924. Serial No. 696,096. 2 Claims. (Cl. 242—157.)



1. A thread retainer for guides of spooling machines including a member having a pair of retaining plates mounted on the sides of the thread guides and projecting beyond the end of said guide which is formed with a guide groove, said plates being formed to contact beyond the end of the guide and having outwardly directed lips at the free ends thereof for effectively receiving and retaining a thread in the guide groove of said guide.

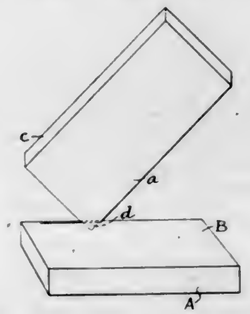
1,503,854. RECEIVING DEVICE FOR ELECTRIC PHONOGRAPHS AND THE LIKE. FRANK SEELAU, New York, N. Y. Filed Mar. 9, 1923. Serial No. 623,846. 5 Claims. (Cl. 179—100.1.)

1. A device of the class described comprising a body having a top and bottom wall, a side wall on said body, a plate secured to the body opposite the wall, pointed screws projecting from the side wall and plate members, a coil on the top and bottom wall of the body spaced apart from each other, cores in said coils, and means on



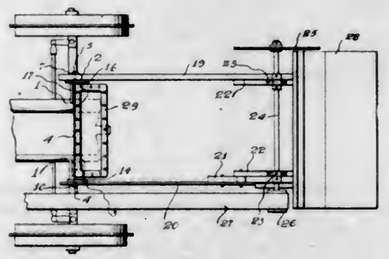
said screws adapted to be vibrated by said cores upon passage thru said coils of a fluctuating transmitting current.

1,503,855. COVER AND OPENING OF HERMETICALLY-SEALED TINS. FREDERICK JOSEPH SNOOK, Salisbury, England. Filed Mar. 8, 1923. Serial No. 623,672. 1 Claim. (Cl. 220—48.)



The combination with a tin hermetically sealed with a tagger top, of a slip-on lid which is cut away to form an aperture in its flange and to leave or form a pointed cutting tongue on and in the plane of the lid itself, so that the lid when held on its edge with the cutting tongue downwards towards the tagger top may be pressed downwards to pierce the said top and then be forced edgeways, guided by the cutter inside the tin and the flange of the lid outside the tin, to cut round the said top.

1,503,856. WOOD-SAWING ATTACHMENT FOR TRACTORS. CHARLES L. SOCKWELL, North Wilkesboro, N. C., assignor to New Williams Mill Company, Incorporated, North Wilkesboro, N. C. Filed Mar. 24, 1923. Serial No. 627,364. 2 Claims. (Cl. 143—43.)



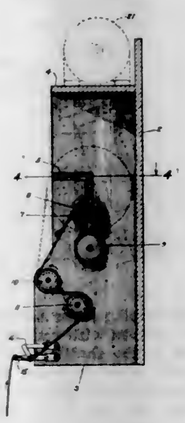
1. In a device of the class described, opposed clamps suitably shaped to engage opposite portions of the radiator supporting base, one of said clamps having an exterior cutaway portion, a bolt extending through said clamps, a nut engaging on the threaded end of the bolt and seating in the cutaway portion of the clamp to permanently secure the clamps on the radiator support base, and a wood sawing attachment having extended arms swingably mounted on the clamping bolt, and means for detachably and loosely securing said arms on the opposite ends of the bolt whereby the arms carrying the wood sawing attachment may be swung to elevated position without loosening the clamps which engage opposite portions of the radiator supporting base.

1,503,857. KETTLE-COVER HOLDER. MATHIAS SPRANGERS, Milwaukee, Wis. Filed Apr. 23, 1923. Serial No. 633,996. 4 Claims. (Cl. 53—8.)



4. The combination with a vessel having a removable cover, of an automatically actuated device for locking said cover in place when the vessel is tilted but permitting the free removal of the cover when the vessel is in normal position, said device being connected to the vessel adjacent the cover.

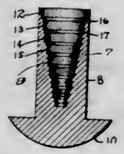
1,503,858. WET-TOWEL WINDER. GEORGE A. STEINER, Salt Lake City, Utah, assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Feb. 20, 1922. Serial No. 538,105. 2 Claims. (Cl. 242—62.)



1. In a wet towel winder, the combination of a cabinet having back and side walls, the side walls having slots therein, a winding roll with gudgeons guided and supported in the slot, a tube surrounding the winding roller, a feed roller pivted in the side walls for operating the winding roller and rolling up a towel at a uniform speed motion of the towel, straightening rolls also

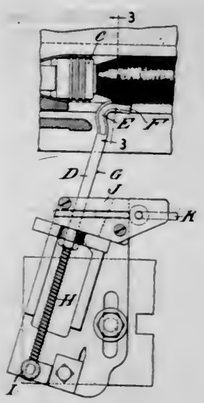
supported by said side walls of the cabinet, said straightening rolls having spirals on their peripheries running from the middle toward the ends thereof for engaging and flattening and straightening the web of towel, tension rods attached to said side walls of the casing and extending outwardly from the casing and having angular middle portions over which the web of toweling passes, a motor supported by the casing and geared directly to both the feed roller and the straightening roller as described.

1,503,859. TUBULAR RIVET AND THE LIKE ARTICLE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Nov. 1, 1920. Serial No. 420,926. 3 Claims. (Cl. 85—40.)



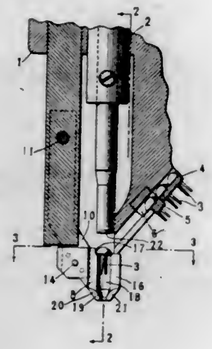
1. An article of the kind described, having a tubular part made up of an integral series of annuli with coaxial inner walls and with outer walls which are in longitudinal extension and continuation of one another, and the annuli being of thickness progressively increasing from one end of the tube to the other.

1,503,860. FEELER FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 25, 1921. Serial No. 455,533. 1 Claim. (Cl. 139—281.)



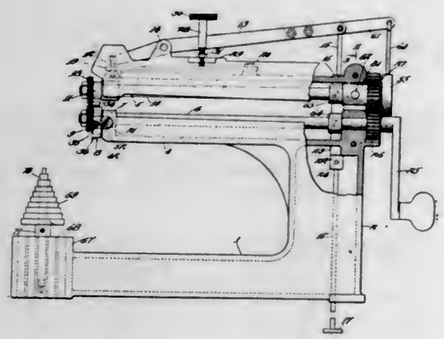
An inclined side slipping feeler having its shank laterally and inwardly inclined with respect to the front wall of the shuttle and to the shuttle box front so that the impact of the weft tends to cause the feeler to slip laterally and inwardly away from the head of the weft carrier and toward the shuttle box mouth, said feeler having an outward bend at its rear where it enters the shuttle box, said bend extending laterally and outwardly from the rear of the shank toward the head of the bobbin and in a direction laterally and outwardly inclined with respect to the front wall of the shuttle, and said feeler having a toothed tip extending laterally and inwardly from the extreme rear of said outward bend toward the shuttle box mouth, whereby the teeth are brought close to the initial weft windings near the head of the bobbin.

1,503,861. RIVET GUIDE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed June 7, 1922. Serial No. 566,626. 11 Claims. (Cl. 218—3.)



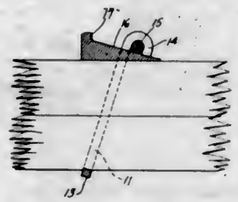
1. In a machine of the character described, cooperating rivet guide members having opposed surfaces, yieldingly held towards each other and providing a rivet-passage between them, the opposed surfaces of the guides being shaped to form a rivet-head-receiving seat at one end of the passage and rivet-shank-guiding means at the other end of the passage, and an outwardly flaring shank-guide communicating with the side of the passage from the exterior thereof.

1,503,862. PATTERN-BINDING MACHINE. JOHN H. SUTHERLAND and HOLTON J. SUTHERLAND, Swampscott, Mass., assignors to J. H. Sutherland & Company, a Partnership composed of John H. Sutherland, Holton J. Sutherland, and Alfred W. Sutherland, Swampscott, Mass. Filed Mar. 30, 1923. Serial No. 628,914. 16 Claims. (Cl. 153—1.)



2. In a machine of the character described, two presser rolls and a stop roll, means whereby both of said presser rolls are positively driven at the same peripheral speed, said stop roll and one of said presser rolls being formed with interengaging teeth whereby the rotation of said last mentioned presser roll gives a positive rotation to the stop roll at the same peripheral speed as the said presser rolls.

1,503,863. CLAMP. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Oct. 19, 1922. Serial No. 595,508. 3 Claims. (Cl. 304—4.)



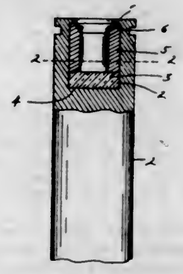
1. A clamp comprising a substantially U-shaped member, having hooked ends, a connecting member adapted to engage said ends and an adjustable member adapted to engage said connecting member and to clamp objects in said U-shaped member.

1,503,864. MEAT PRODUCT AND METHOD OF MAKING THE SAME. CHARLES H. VOGT, Philadelphia, Pa., assignor to F. G. Vogt & Sons, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 11, 1921. Serial No. 483,758. 8 Claims. (Cl. 99—11.)

1. A cooked meat product comprising relatively large pieces of the central portion of a ham, and comminuted hock and pelvic portions of the ham, all united in a solid compact mass.

3. The method of making a meat product which consists in separating the hock and pelvic portions of the meat of a ham from the central portion, grinding said hock and pelvic portions into a comminuted mass, cutting the main central portion of the ham into relatively large pieces, then mixing the pieces of the central portion of the ham with a quantity of the comminuted hock and pelvic portions, then cooking the mass in an assembled shape, and thereafter chilling the same to cause it to become thoroughly set and united in a solid compact mass.

1,503,865. SEAT CONSTRUCTION FOR CAM FOLLOWERS. MERRILL M. WILCOX, Saginaw, Mich., assignor to Wilcox Motor Parts & Manufacturing Co., Saginaw, Mich., a Corporation of Michigan. Filed July 24, 1922. Serial No. 577,263. 7 Claims. (Cl. 123—90.)



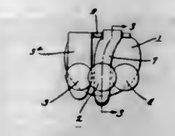
6. The combination with a tappet having a socket, of an insert in said socket having a hardened surface forming a seat for a valve push rod, and a member also within said socket retaining said insert in position.

1,503,866. TOOTHED CUTTER LIP. HOWARD G. WASHBURN, LAFAYETTE G. JOHNSON, and JOSEPH R. THILL, Flat River, Mo., assignors to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed May 28, 1921. Serial 473,370. 5 Claims. (Cl. 37—141.)



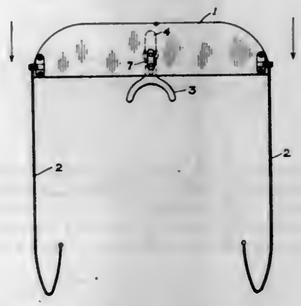
1. A one-piece cutter lip for digging buckets having a plurality of longitudinally extending ribs spaced apart on its under side and terminating in pointed digging teeth at their forward ends.

1,503,867. COLLAR BUTTON. CARTTER WEAVER, Pittsburgh, Pa. Filed Nov. 1, 1922. Serial No. 598,396. 9 Claims. (Cl. 24—101.)



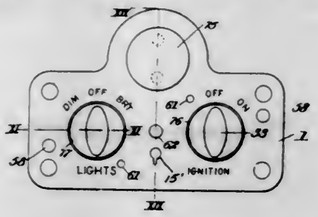
1. A collar button, comprising a body portion provided with a plurality of neckband and collar receiving studs, and means extending around the upper horizontal edge of the shirt neckband for supporting two of said studs.

1,503,868. EYE SCREEN. GUSTAVUS R. WEED, East Orange, N. J. Filed Aug. 14, 1922. Serial No. 581,796. 7 Claims. (Cl. 2—12.)



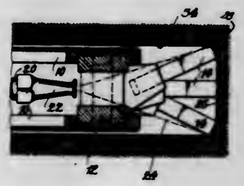
1. In an eye screen, a translucent member, an adjustable nose support therefor and a clamping means attached directly to said translucent member adapted to clamp said nose piece on said translucent member.

1,503,869. SWITCH. EDWARD WESTON, Hillside, N. J. Filed July 21, 1916. Serial No. 110,521. 40 Claims. (Cl. 200—44.)



1. In combination, two rotatable switch members having movement in substantially the same plane, a locking bolt pivotally mounted between the switch members for movement in substantially the same plane and means on the bolt and the switch members for affording an interlocking engagement.

1,503,870. COAL-DUST ELIMINATOR. EDWIN BALL and JAMES M. MCHUGH, Birmingham, Ala. Filed Jan. 17, 1923. Serial No. 613,276. 2 Claims. (Cl. 262—29.)



1. The combination with a cutting machine having a power driven cutter chain and a guide bar therefor, of a water discharge nozzle located in a plane between the upper and lower faces of said bar so that its operation will not be interrupted by material falling on the cutter bar.

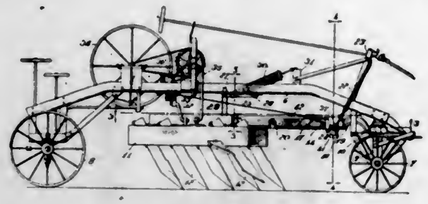
1,503,871. ATTACHMENT FOR LOOMS. ROBERT J. BARTHOLOMEW, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 19, 1922. Serial No. 562,047. 3 Claims. (Cl. 139—305.)



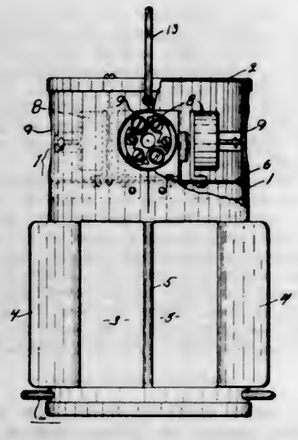
1. An attachment for looms for weaving curved woven fabrics comprising a pair of compensating rollers having their adjacent ends staggered to set the rollers at an angle to each other, said rollers being pivoted to automatically compensate for fabrics of different curvatures.

1,503,872. SCARIFYING MACHINE. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 19, 1921. Serial No. 501,730. 10 Claims. (Cl. 262—11.)

1. A road machine comprising a main frame, wheels supporting said frame, a scarifier frame under said main frame, means mounted on said main frame for raising or lowering said scarifier frame, a draft frame rigidly connected with said scarifier frame and extending forward therefrom, draft devices pivotally connected on a horizontal axis with said draft frame, and a lifting spring mounted on the main frame and connected with the forward portion of said draft frame.



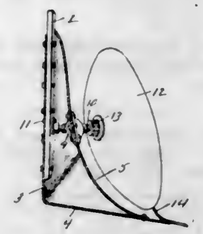
1,503,873. ELECTRIC LANTERN. CARL H. BISSELL, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Jan. 9, 1923. Serial No. 611,581. 6 Claims. (Cl. 240—11.)



1. A lantern comprising a body open at its lower end and having a closed top and openings in diametrically opposite sides thereof, the body also having a horizontal partition above the upper ends of said openings, a lamp socket mounted on the lower side of the partition in position to carry a lamp in line with said openings, plug receptacles mounted in the box above the partition and the walls of the body being formed with passages in line with the plugs, substantially as and for the purpose described.

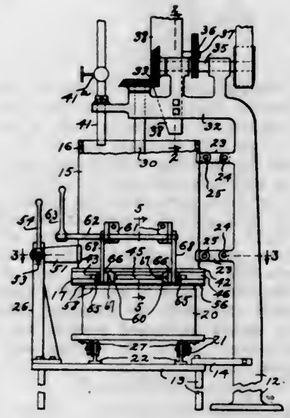
1,503,874. REVOLVING SELF-CLEANING MOLD BOARD PLOW. GEORGE HARRISON BLOCK, Hanna, Alberta, Canada, assignor of thirty-five one-hundredths to Sayle Allen Brown, Hanna, Alberta, Canada. Filed Feb. 19, 1923. Serial No. 620,068. 1 Claim. (Cl. 97—34.)

A revolving mold board plow structure including a casing rigidly mounted on the depending, forwardly curved end of a plow beam, said casing having a vertical wall on the land side of the beam, the upper edge of which inclines downwardly and forwardly, a bottom wall extending laterally and inclining slightly downwardly from the vertical wall, and having the free edge inclined forwardly toward said vertical wall, and terminating in a forward substantially pointed end therewith, and a sloping wall connecting the upper edge of the vertical wall, and the outer edge of the bottom wall, a share mounted on said casing and secured to the sloping and vertical walls thereof, shaft bearings mounted in the sloping and vertical walls respectively, in horizontal alignment, a shaft rotatable in said bearings, a disc member forming a mold board mounted on the outer end of said shaft, adjacent said sloping wall for rotation therewith,



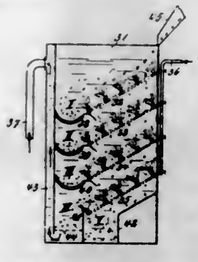
the lower portion of said disc extending in the rear of the upper edge of said shaft, and a sprocket mounted on the shaft for receiving a drive chain for rotating said shaft and disc, the bearings being carried in spaced relation by the sloping and vertical walls of the casing, serving to distribute the torsional strains from the shaft throughout the casing.

1,503,875. APPARATUS FOR MAKING BUILDING BLOCKS AND THE LIKE. OTTO E. BORNHAUSER and JOHN EDWARD HERMAN, Sandusky, Ohio. Filed Jan. 18, 1923. Serial No. 613,363. 11 Claims. (Cl. 25—103.)



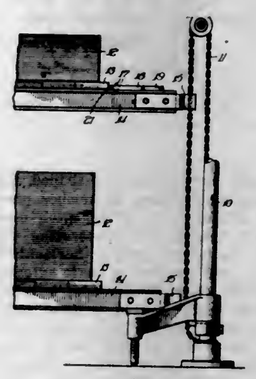
1. In apparatus for making cementitious building blocks and the like, the combination, with a substantially horizontally movable mold having its material-receiving chamber open at its upper end, and a support for said mold, of a hopper adapted to be employed in supplying wet or moist cementitious material to said chamber and arranged over the path of said mold and having a limited movement from and toward said path and also having an outlet arranged to discharge into said chamber when the mold is in its material-receiving position in relation to the hopper, means for supporting the hopper, and a cut-off for controlling communication through said outlet, said hopper resting upon the mold in the lower position of the hopper, and the mold being movable substantially horizontally from under the hopper upon lifting the hopper from the mold after charging the mold from the hopper.

1,503,876. STEP WASHING PLANT FOR ASH, COAL, AND THE LIKE. ERNST BONGARDT, Hersfeld, Germany. Filed May 5, 1923. Serial No. 636,948. 1 Claim. (Cl. 83—82.)



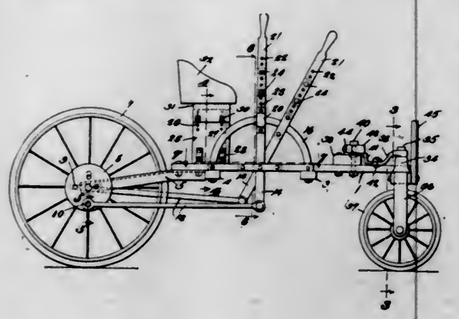
In a separating apparatus, a plurality of groups of jet producing devices, the devices of each group being arranged in an inclined relation and spaced apart vertically to provide successive spaces through which the material to be separated might pass, said groups being arranged in super-imposed relation, the devices forming each group directing their jets in the same direction and approximately normal to the said plane, thus creating a substantially continuous inclined plane of moving fluid whereby when the material to be separated is disposed above the plane of fluid and descends thereon, the particles of greater density will pass through the plane of fluid and the spaces between the devices and form one collection, and the particles of lesser density will be carried down the inclined plane of the fluid and form another collection, said groups being arranged relatively to one another for passing the particles of lesser density successively to one another, the intensity of the fluid in the jets of the successive groups being progressively less whereby the particles will be separated into collections varying according to their density.

1,503,877. FEEDER-PILE-ADJUSTMENT MEANS. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,811. 3 Claims. (Cl. 271—61.)



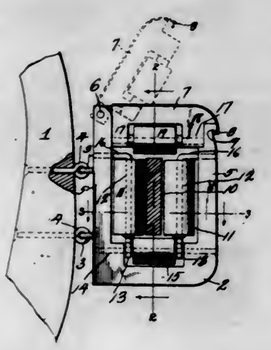
1. In a feeder pile mechanism, the combination of a supporting member for a pile of sheet material, a member upon which said supporting member is adjustably mounted and having means forming fulcruming points for a lever, and a lever which may be fulcrumed with respect to said fulcruming points and cooperating with said first member for giving said members a relative movement whereby the position of the pile of sheet material may be adjusted.

1,503,878. CHILD'S VEHICLE. BYRON BRADY, Dunmore, Pa. Filed Jan. 2, 1924. Serial No. 684,055. 4 Claims. (Cl. 208—33.)



1. A vehicle of the class described including a platform, spaced rearwardly extending side and intermediate strips connected to the platform, an axle mounted for rotation within said strips, a supporting wheel secured to the axle and mounted between the intermediate strips, hand levers pivotally mounted at the sides of the platform, and adjustable drive connections between the levers and the axle.

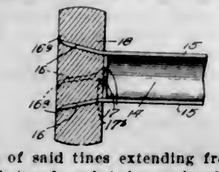
1,503,879. REIN GUIDE. GID H. BREWER, Witts Springs, Ark. Filed Jan. 8, 1924. Serial No. 685,008. 2 Claims. (Cl. 54—63.)



1. A rein guide comprising a U-shaped frame having its arms in parallel relation, a member pivoted to the end of one of said arms, a spring catch carried by the free end of said member and cooperating with a recess in the end of the other arm, a horizontally disposed roller carried by said member, a shaft extending through the arms adjacent their inner ends, a roller rotatably mounted on said shaft, and in parallel relation to the first mentioned roller, shafts in parallel relation to the arms, one of the arms of said shafts being provided with arms through which the first mentioned shaft extends, the ends of the parallel shafts terminating in outwardly extending arms extending angularly into the arms of the U-shaped member.

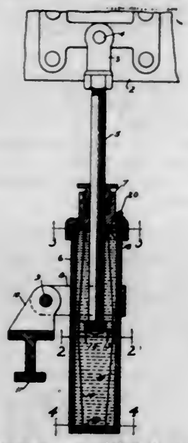
1,503,880. LADDER RUNG. PETER BROMAN, Chicago, Ill. Filed July 21, 1921. Serial No. 486,394. 9 Claims. (Cl. 228—58.)

1. A ladder rung having a tread, a longitudinal flange at an angle to the tread, and a plurality of tines having beveled edges extending longitudinally from the end of the rung, the stile-penetrating edges of all tines being



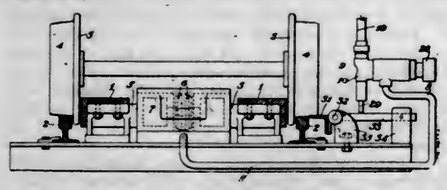
parallel, one of said tines extending from the horizontal part of said tread and being twisted into parallelism with the other tines.

1,503,881. SHOCK ABSORBER. ERNEST T. BROS, Minneapolis, Minn. Filed Apr. 11, 1921. Serial No. 460,307. 4 Claims. (Cl. 188—88.)



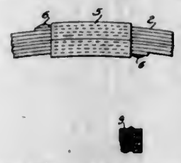
1. A shock absorber comprising a cylinder adapted to contain an inelastic fluid, a piston having radial openings in its periphery upon opposite sides of the center thereof, bars fitting said openings and the inner walls of said cylinder in opposing relation said piston being free to slide on said bars, and said bars increasing gradually in cross-sectional area from the middle portions thereof toward each end, the openings of said piston being substantially closed by said bars when said piston is near the ends of said cylinder, and passages being formed through said openings for the flow of the inelastic fluid when the piston is near the middle of said cylinder opposite the point of minimum diameter of said bars, and means interposed between the ends of said bars and seated therein for holding said bars in opposing relation.

1,503,882. BRAKING APPARATUS. FRANK M. CASTLEMAN, Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1920. Serial No. 366,712. 9 Claims. (Cl. 188—38.)



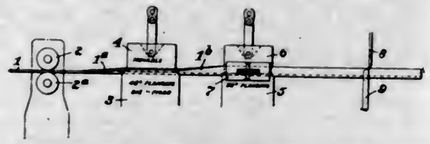
1. Railway braking apparatus comprising a brake bar located in the trackway, power-operated mechanism for moving said bar into engagement with a part of a railway vehicle, and a treadle located in the trackway and arranged to be engaged by a wheel of the vehicle for controlling said mechanism.

1,503,883. RING FOR TIRE BEADS. HENRY Z. COBB, New York, N. Y., assignor to Morgan & Wright, a Corporation of Michigan. Filed Apr. 13, 1922. Serial No. 552,361. 14 Claims. (Cl. 245—1.5.)



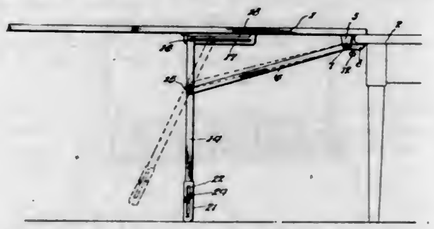
1. A reinforcing ring of fixed circumference for a tire bead formed of flat strip metal of uniform cross-section throughout having its width disposed at a right angle to the plane of the ring, said ring being symmetrical on both sides of a medial radial plane.

1,503,884. METHOD OF PRODUCING CHANNEL IRONS. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,568. 3 Claims. (Cl. 153—13.)



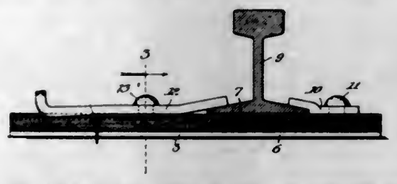
3. The herein described method of producing channel irons from a metal strip, which consists in intermittently feeding said strip and between the feeds holding it at successive points between parallel clamping devices, simultaneously bending successive opposed marginal portions of said strip into inclined position, and simultaneously and successively bending said inclined portions into planes perpendicular to the strip, the clamping, partial bending and final bending being carried out on portions of the strip which are spaced from each other a distance substantially equal to the length of the marginal portions operated on in the bending action.

1,503,885. IRONING TABLE. WILLIAM E. DENNY, Loudonville, Ohio. Filed June 30, 1922. Serial No. 571,879. 3 Claims. (Cl. 68—10.)



1. An ironing table comprising a board, supporting legs slidably connected at their upper ends with the board, braces pivoted at their outer ends upon the board adjacent the butt thereof and at their inner ends to the legs, clamping jaws pivotally mounted at the outer ends of the braces concentric with the pivot of the braces and adapted to co-operate with the under side of the board at the butt end thereof to clamp a projecting support, and means co-operating with the jaws and the braces to adjust the jaws.

1,503,886. RAILWAY-TRACK CONSTRUCTION. HERMAN H. DIEHL, Huntington, W. Va., assignor to The West Virginia Rail Company, Huntington, W. Va., a Corporation of West Virginia. Filed Mar. 22, 1924. Serial No. 701,101. 3 Claims. (Cl. 238—338.)



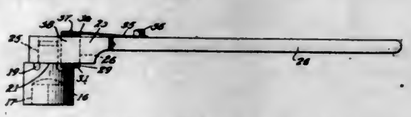
1. In railway-track construction, the combination of a metal tie containing an opening, a clip containing an opening, and a rivet extending through said openings, said rivet being non-rotatable in said tie, and said clip being rotatable about said rivet.

1,503,887. FUSELAGE FITTING. IVAN H. DRIGGS, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,225. 1 Claim. (Cl. 244—31.)



A composite metal fitting adapted for fuselage construction, including, a metal strap bent around a tubular longéron and having its ends secured together to form a wire pull, a small metal casting adapted to be secured to the end of an abutting strut and to said strap, the surface of said casting abutting the strap being substantially arcuate, whereby the same composite fitting may be used for different angular arrangements of said abutting strut and said wire pull.

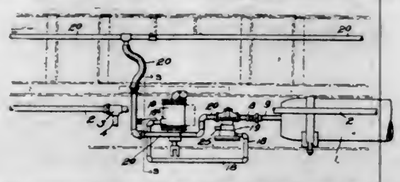
1,503,888. RATCHET WRENCH. JOHN E. ERICKSON, Rockford, Ill. Filed Feb. 26, 1923. Serial No. 621,274. 3 Claims. (Cl. 81—60.)



1. A ratchet wrench comprising a cylindrical wrench-head shaped at one end to fit an object to be turned and at its opposite end to provide a concentric cylindrical spindle and a radial annular shoulder at the juncture of the spindle and wrench-head proper, said shoulder having circumferentially spaced ratchet teeth formed therein reaching radially substantially from the spindle to the periphery of the wrench-head proper, a handle having adjoining parallel bores in one end, one for rotatably receiving said spindle and the other a pawl, a cylindrical pawl supported in the second mentioned bore and having a diametrical tooth at one end adapted to engage ratchet teeth and a diametrical surface at its opposite end adapted by cooperation with a spring-pressed element to hold the pawl from rotative displacement from either of two operative positions, and a spring-pressed element shaped

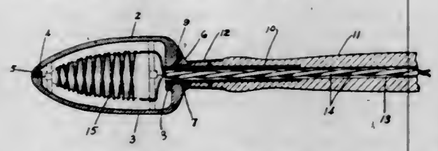
to fit said diametrical surface and bearing thereagainst for yieldingly urging the pawl into engagement with the ratchet teeth and permitting the pawl to be manually moved rotatably in its bore to either of said operative positions.

1,503,889. FLUID-PRESSURE SYSTEM. WILLARD J. FENDNER, Pittsburgh, Pa., assignor to Clark Car Company, a Corporation of Pennsylvania. Filed Sept. 9, 1920. Serial No. 409,192. 5 Claims. (Cl. 105—271.)



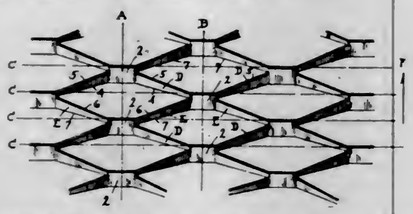
1. In combination with a tilting body dump car having a latch operating mechanism for locking the body in an upright position, a dump cylinder operatively connected to the body, a latch operating cylinder having an inlet port and a piston controlled fluid delivery port, a piston operating therein and operatively coupled to the latch operating mechanism, a source of fluid pressure, an automatic valve for controlling delivery of fluid from said source to said dump cylinder and for exhausting said dump cylinder, a valve operating cylinder connected to the delivery port of said latch operating cylinder, a valve operating piston located in said valve operating cylinder for actuating said automatic valve, and a manually operated valve for controlling the delivery of fluid from said source to said latch operating cylinder and the exhaust of fluid from said latch operating cylinder.

1,503,890. ELECTRIC PRESSING IRON. TERESE C. FLESCH, St. Paul, Minn. Filed Aug. 26, 1922. Serial No. 584,485. 6 Claims. (Cl. 219—21.)



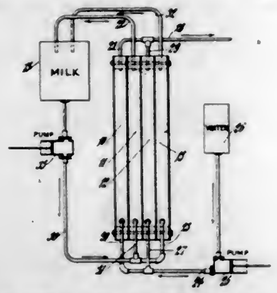
1. A pressing iron composed of hollow sections fitting one upon the other, and having a curved exterior surface and tapered from the rear to the forward end, a handle mounted on the rear end of said iron, and having means therein for holding the iron sections together, a heating coil within the iron and electric conductors therefor.

1,503,891. EXPANDED SHEET METAL. HARVEY M. GERSMAN, Buffalo, N. Y. Filed Feb. 12, 1921. Serial No. 444,534. 4 Claims. (Cl. 72—117.)



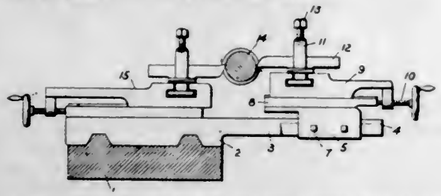
2. Expanded sheet metal having strands and connecting portions between the strands, the strands and connecting portions delimiting hexagonal voids and the strands increasing in depth in the same mean longitudinal direction of the sheet.

1,503,892. PROCESS OF TREATING MILK AND MILK PRODUCTS. GEORGE GRINDROD, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 16, 1918. Serial No. 258,468. 3 Claims. (Cl. 99—15.)



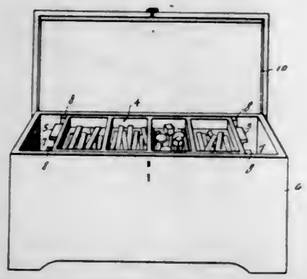
2. The process of making evaporated milk, which consists in subjecting milk to partial dialysis, said dialysis employing membranes of pores of a size slightly less than the lactose molecules of the milk, evaporating the water contents of the milk either before or after the dialyzing of the milk, and sterilizing the evaporated dialyzed milk.

1,503,893. BACK-TOOL HOLDER. GEORGE GRONNER, Davenport, Iowa. Filed July 26, 1922. Serial No. 577,757. 2 Claims. (Cl. 82—25.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



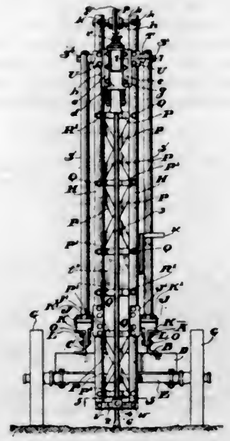
1. The combination with a carriage formed with a dove tail rear extension, said extension being in the plane of the carriage, of a tool holder having a dove tail groove to receive said extension, a slide adjustable on said holder, a post secured on said slide and means carried by the post for clamping a tool in place thereon.

1,503,894. CHEST OF TRAYS. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Jan. 28, 1924. Serial No. 688,910. 2 Claims. (Cl. 206—1.)



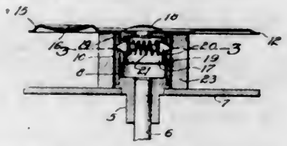
1. The combination, with a chest of rectangular shape, of a plurality of like-shaped trays stacked in the chest and making close sliding fit with the sides of the chest, said trays being enough shorter than the chest to provide a finger space between the trays and the end of the chest, and vertical cleats fastened to the chest to keep the vertical alinement of the stack.

1,503,895. WAGON DRILL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,950. 4 Claims. (Cl. 255—19.)



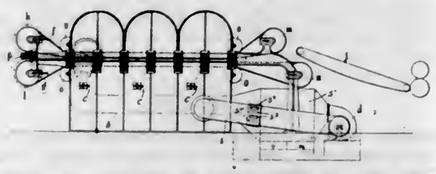
1. The combination with a frame, blocks carried by the frame, trunnions pivoted on said blocks, brackets carried by said trunnions, tubular up-right supports secured to said brackets, diagonal brace members, cross brace members, means for securing said cross brace members and diagonal brace members to the supports at one point, a cradle to receive a rock drill, curved end portions on said cradle adapted to slide on said tubular supports, means for hoisting said cradle and a centralizer adapted to be removably connected to the frame for guiding a drill steel.

1,503,896. TYPEWRITER-RIBBON SPOOL. DE WITT C. HARRIS, Pineland, Fla. Filed Mar. 22, 1922. Serial No. 545,645. 9 Claims. (Cl. 242—70.)



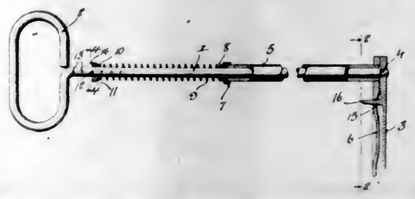
4. A typewriter ribbon spool comprising upper and lower separable sections having tubular parts arranged to telescope with each other, said tubular parts having apertures arranged to register, and yielding means carried by one of said tubular parts and arranged to project through its aperture into the aperture in the other part for locking the two spool sections together.

1,503,897. DRYING MACHINE FOR WOOL AND OTHER MATERIALS. THOMAS WHITEHEAD HAWKINS, Ruabon, Wales. Filed Aug. 4, 1923. Serial No. 655,725. 6 Claims. (Cl. 34—12.)



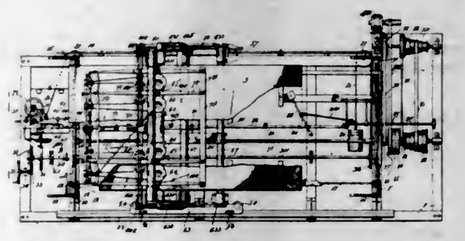
1. In a drying apparatus for wool and the like, a series of drying chambers, traveling open-work carriers passing through said chambers to carry the material to be treated therethrough, a fan, an inlet duct for the drying chambers communicating with said fan and having a plurality of outlets, each outlet terminating in proximity to a portion of the carrier located in one drying chamber, and air outlet means communicating with the portion of the drying chamber lying on the same side of the carriers with the air duct outlets.

1,503,898. CLEAN-OUT TOOL FOR FURNACES. PETER HOTT, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 617,971. 2 Claims. (Cl. 294—11.)



1. A clean-out tool for furnaces comprising a rod having a handle at one end, a jaw rigidly attached to the other end of said rod and extending laterally therefrom and having a rearwardly projecting tapered lug, a tube slidably mounted upon said rod, a spring for forcing said tube outwardly with reference to said rod, a second jaw mounted inwardly of said first mentioned jaw and rigidly attached to said tube and having an aperture for slidably receiving said tapered lugs, said jaws being curved, and one of said jaws having marginal flanges whereby said jaws will remain in approximate parallelism at all times and are adapted to readily grip and retain clinkers.

1,503,899. WOOD-CARVING MACHINE. JOSEPH JANES, Somerville, Mass., assignor, by mesne assignments, to Irving & Casson-A. H. Davenport Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1921. Serial No. 457,900. 13 Claims. (Cl. 90—13.5.)

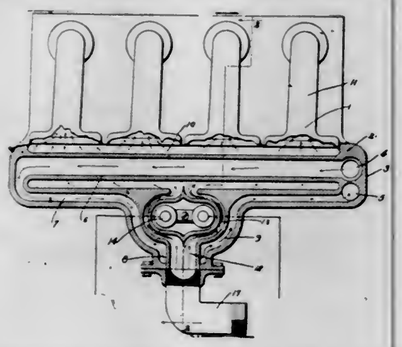


1. In a machine of the kind described, a work support having a vertical movement, and a tool frame having a horizontal reciprocating movement, and connections whereby the movement of said tool frame will control the movement of said work support.

1,503,900. FUEL HEATER FOR INTAKE MANIFOLDS. BILLIE JOHNSON, Temple, Tex. Filed Jan. 7, 1922. Serial No. 527,737. 5 Claims. (Cl. 123—122.)

1. In an intake manifold the combination with a block having a longitudinal flue therein, and a fuel conducting passage extending around the flue and within the block, of a feed passage opening into said space around the flue and having an enlarged portion, an electric heater within

the enlarged portion, a passage extending from one end of the longitudinal flue and along the block and around the fuel passage to the other end of the block, and ports



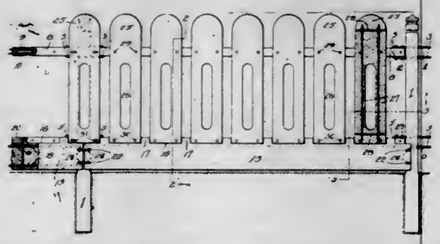
for conducting exhaust gases into one end of the longitudinal flue and from one end of the passage along the block.

1,503,901. LIVE-BAIT SPINNER. EDWARD D. JONES, Jr., Rochester, N. Y. Filed May 19, 1923. Serial No. 640,071. 1 Claim. (Cl. 43—45.)



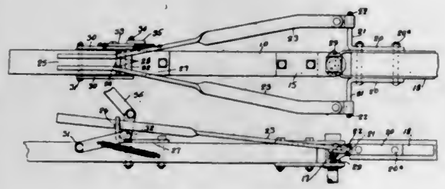
A live bait spinner including a main rod provided with eyes at each end, a swivel secured to one eye for connecting said rod to a line, an abutment mounted on the rod near the end receiving the swivel, an elongated head having a central opening receiving the rod between the swivel connection and the abutment, a pair of oppositely rotated spinners mounted on the rod between the head and the end mounting said swivel, the portion of the rod on the other side of the abutment forming a live bait receiving portion, and a hook assembly provided for removable connection with the eye at the end of the bait receiving portion.

1,503,902. CONCRETE FENCE. WILLIAM F. JONES, St. Louis, Mo. Filed Nov. 13, 1920. Serial No. 423,950. 2 Claims. (Cl. 256—19.)



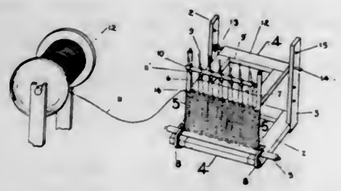
1. In a fence structure, in combination with a supporting post having spaced laterally extending metallic supporting members which pass through the post and are arranged in pairs one above the other and provided with aligned slotted openings, concrete rails carried by said metallic supporting members and secured at their end therebetween by means of bolts, the lower rail of the two being right angular in crosh section and having its front upright wall extending beyond the ends of the upper horizontally disposed section of the lower rail for engagement with the front face of the post and provided with slotted openings for receiving fastening devices anchored in the post, seats formed along the outer corner edge of the lower rail and spaced apart by ribs, concrete fence board members removably secured to the upper and lower rails and the board member applied to the rails opposite the post having slotted openings therein to receive fastening devices anchored in the rails.

1,503,903. DRAFT APPLIANCE. LUTHER D. LEIBOLD, Williamsburg, Ind. Filed Mar. 27, 1922. Serial No. 547,003. 10 Claims. (Cl. 97—135.)



1. In an implement, the combination of a movably mounted implement carrying beam, a stationary pole, a swinging pole pivotally connected with the forward end of the stationary pole for substantially horizontal swinging movement, rearwardly extending bars connected with said swinging pole, a guide means for the rear ends of said bar equipped with holding means for normally maintaining the same against longitudinal movement, means for moving said beam into inoperative position, and means connected with said first named means for lifting the rear ends of said bars out of engagement with the holding means whereby to permit movement of the swinging pole.

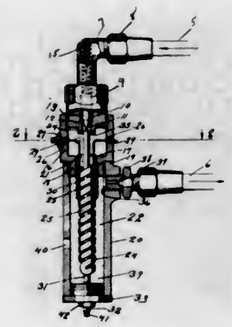
1,503,904. MEANS FOR PRODUCING WOVEN REED ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 20, 1920. Serial No. 404,800. 4 Claims. (Cl. 139—17.)



1. An apparatus for use in producing reed articles embodying therein, means for detachably securing an article frame member thereto, and a member swingably attached to the apparatus and having filler strand packing portions thereon.

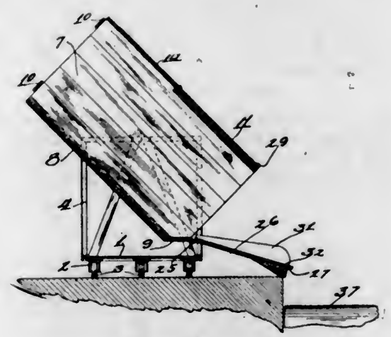
1,503,905. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. MITCHELL MACKIE, Waukesha, Wis. Filed Aug. 26, 1922. Serial No. 584,398. 11 Claims. (Cl. 123—180.)

1. A device of the character described, comprising a chamber, a fluid supply connectable with the chamber, means normally disconnecting the fluid supply and the chamber, means for heating the chamber, and thermo-



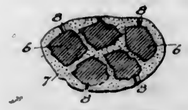
static means operable by the heating means to connect the fluid supply with the chamber and regulate the flow of fluid into the chamber.

1,503,906. TILTING-BOX TRUCK. PATRICK J. MADIGAN, Chicago, Ill. Filed Aug. 22, 1921. Serial No. 494,242. 7 Claims. (Cl. 298—17.)



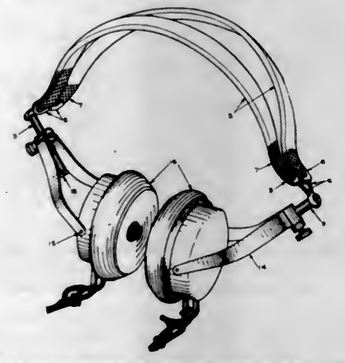
1. In a distributing system, a vehicle, a box pivotally mounted in said vehicle, the height of the pivot above the bottom of the box being such that more than half of the bottom of the box will be brought beyond the side of the vehicle by a motion about said pivot of less than forty-five degrees from the vertical, the portion of the bottom of the box toward the side protruded by said motion being pivotally connected to the box, the pivot being adjacent the non-protruding side of the bottom, and a stop preventing the motion about the pivot of the box in the direction opposite to the first-named motion beyond the vertical.

1,503,907. HEATING DEVICE. PROSPER JEAN AUGUSTE MAIGNEN, Philadelphia, Pa. Filed Sept. 20, 1919, Serial No. 325,049. Renewed May 2, 1924. 1 Claim. (Cl. 44—1.)



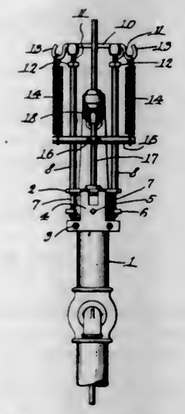
A fuel briquet including peat mixed with combustible oil and having a distinct thick coating of cementitious material which is fire resistant.

1,503,908. TELEPHONE HEAD SET. RAY H. MANSON, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 20, 1922. Serial No. 544,997. 3 Claims. (Cl. 179—156.)



1. In a telephone head-set, a head band, a rod secured to one end of said head band, a post having a kerf therein, a cross bore in said post, an apertured stirrup fitted to enter said kerf with its aperture in alignment with said cross bore, said rod being inserted through said cross bore and aperture, means tending to force said stirrup so that its aperture is out of alignment with said cross bore, and a telephone receiver supported by said stirrup.

1,503,909. ATTACHMENT FOR PUMPS. HENRY MASBRUCH, Platteville, Wis. Filed Dec. 31, 1923. Serial No. 683,778. 5 Claims. (Cl. 74—71.)

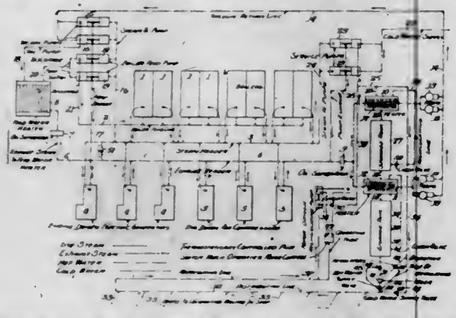


5. In an attachment for pumps, the combination of a bracket, means for rigidly securing the bracket to the pump head, substantially hollow standards on the bracket, screws adjustably mounted in the upper ends of said standards, nuts resting on the ends of the standards and adapted to adjust the height of the screws, a cross bar carried by the screws, a lower cross bar affixed to the pump rod in spaced relation to the upper cross bar, and springs operatively connecting the two cross bars.

1,503,910. HOT-WATER-SUPPLY SYSTEM. WILLIAM A. MCGEE, Cleveland, Ohio. Filed Mar. 27, 1922. Serial No. 546,980. 9 Claims. (Cl. 126—366.)

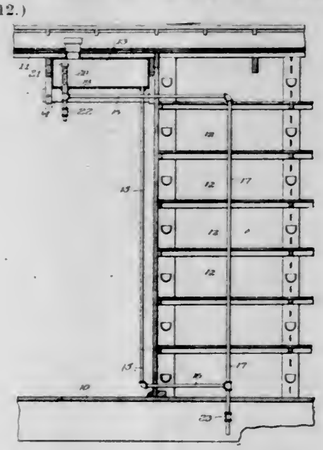
8. A system comprising steam emitting devices, heating means connected to utilize the steam emitted from said devices, water storage means connected to said heat-

ing means, cold water inlet means for said heating means, outlet means for said heating means and storage means, said cold water inlet means being also connected to said outlet means, and automatic regulating means for governing the relative supplies of water from said storage



means on the one hand and said cold water inlet means on the other hand to said outlet means, a recirculating line for said heating and storage means, said recirculating line being provided with pump means and thermostatic means for controlling said pump means.

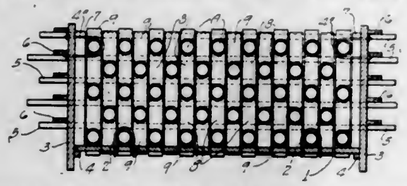
1,503,911. TANK HEATER FOR POULTRY CARS. JOHN J. MURPHY and ARTHUR T. CANN, Chicago, Ill., assignors, by mesne assignments, to Equipment Devices Company, a Corporation of Delaware. Filed Aug. 22, 1923. Serial No. 658,795. 2 Claims. (Cl. 119—12.)



1. In a poultry car, tiers of coops arranged one above the other, a water tank near the top of the car, a descending piece of pipe leading from said tank on the outside of said coops, an ascending piece of pipe passing up through said coops and into said tank, and a piece of pipe connecting the bottom ends of said pieces of pipe, whereby the heat from the bodies of chickens in the coops will heat the water in said ascending piece of pipe and cause the water in said ascending piece of pipe to flow toward the tank.

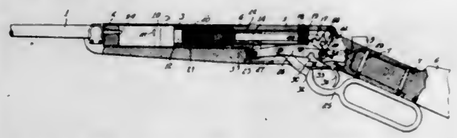
1,503,912. FORM FOR MOLDING OR CASTING BOILER BAFFLES. FREDERICK O. PAHMEYER, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 31, 1924. Serial No. 703,151. 19 Claims. (Cl. 25—118.)

1. A form for molding or casting boiler baffles, consisting of a frame that comprises a plurality of pairs of parallel members arranged in the tube bank of the boiler in spaced relation, and two retaining walls arranged transversely of the tube bank and formed from said wall



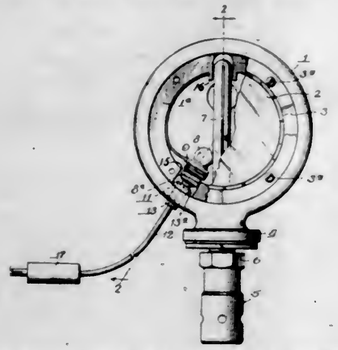
members that are arranged between the boiler tubes in engagement with the inner edges of said pairs of parallel members.

1,503,913. AIR GUN. EUGENE E. MILES, Akron, Ohio. Filed Apr. 1, 1922. Serial No. 548,559. 17 Claims. (Cl. 124—10.)



1. In a gun of the character set forth, the combination with a gun barrel, of an air compression cylinder operatively connected with said barrel, a piston in said cylinder, a pair of independent springs for operating said piston, said springs being disposed one within the other, and means for placing each of said springs successively under compression.

1,503,914. ILLUMINATING ATTACHMENT FOR TEMPERATURE INDICATORS. JAY C. PARSONS and LOUIE W. SILVIS, Chicago, Ill. Filed Dec. 10, 1920. Serial No. 429,662. 6 Claims. (Cl. 240—2.)

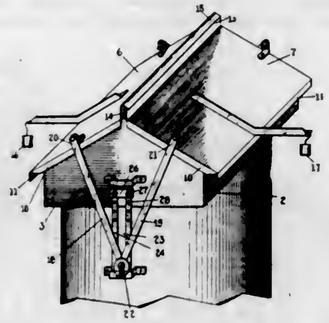


1. The combination with a temperature indicator comprising an annular casing provided with transparent faces on opposite sides, of an illuminating attachment mounted in said casing and comprising a lamp, a lamp socket a recess for engaging the lamp socket, and a yieldable metallic strip fixed to said socket, and adapted to be yieldably held against the annular wall of said casing, and prevented from slipping by the engagement of the socket in the recess.

1,503,915. DUST-COLLECTOR OUTLET. AUGUST CHARLS POSNER, New Orleans, La. Filed Feb. 28, 1923. Serial No. 621,959. 3 Claims. (Cl. 98—5.)

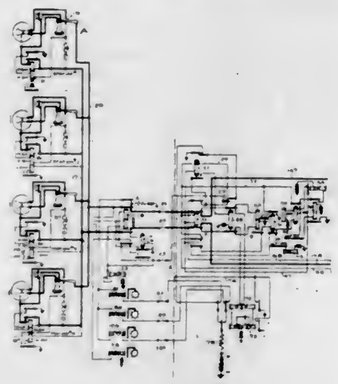
2. A dust collector outlet comprising a cap mounted upon the outlet, the upper edges of the end walls of which are inclined, a pair of doors hinged to said cap adjacent the lower part of the inclined edges, flanges

on said doors adapted to extend over the edges on which they rest, upwardly extending mating flanges at the top edge of said doors one of which flanges extends over the



other, counter balance weights secured to said doors, pivoted bars attached to said doors, a pivot which secures said bars together at their lower ends, and a guide in which said pivot slides.

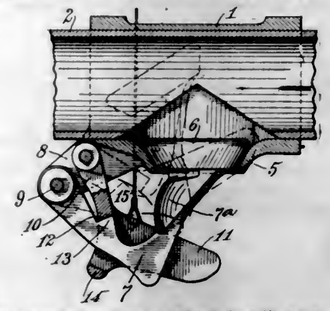
1,503,916. METERING ARRANGEMENT FOR AUTOMATIC TELEPHONE SYSTEMS. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 28, 1920. Serial No. 433,678. 13 Claims. (Cl. 179—9.)



1. In a telephone system, a telephone exchange, a plurality of telephone lines terminating thereat, a plurality of substations on each telephone line, a meter at the exchange for the individual use of each substation, a plurality of relays for operating the meter of a calling substation, means operated on the completion of a call to a wanted substation, and other means co-operating with said last mentioned means and responsive to the concluding of a call for variably operating said relays.

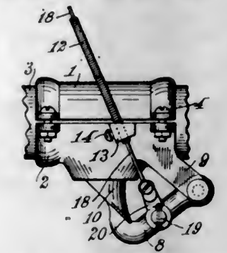
1,503,917. CUT-OUT. HARRY W. RUBY, Springfield, Ohio. Filed Oct. 30, 1920. Serial No. 420,609. 14 Claims. (Cl. 251—126.)

1. In a device of the character described, a body adapted to be connected in the exhaust line of an internal combostion engine and having a supplemental outlet provided with a valve seat, a weighted valve arranged within said body and held in firm contact with said seat by gravity, a stem secured to said valve, extending through said supplemental outlet and pivotally mounted exteriorly of said body and out of line with said supplemental outlet, and means acting on said stem to move said valve into its open position, said stem being arranged to move



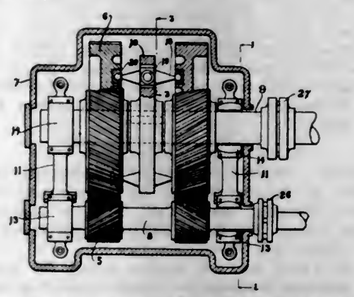
said valve into a position in which it will extend transversely to said body and will direct a part of the exhaust gases toward said supplemental outlet.

1,503,918. CUT-OUT OPERATOR. HARRY W. RUBY, Springfield, Ohio. Filed Jan. 14, 1921. Serial No. 437,275. 2 Claims. (Cl. 137—139.)



1. In a cut-out of the character described, the combination with a body portion adapted to be supported by the exhaust pipe of an internal combustion engine and having a cut-out opening to communicate with the interior of said exhaust pipe, said opening being provided with a valve seat, and a valve movable into and out of engagement with said valve seat to control the communication of said opening with said exhaust pipe, of an operating device comprising a fixed guideway, a flexible rod slidably mounted in said gudieway, and an arm connected with one end of said rod and pivotally connected with said valve, said arm and ita axis being arranged substantially in line with said rod to cause said rod to exert a direct thrust on said valve in any position of the latter.

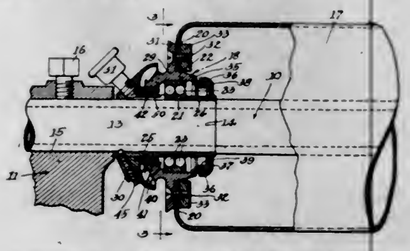
1,503,919. GEARING. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Apr. 14, 1921. Serial No. 461,207. 18 Claims. (Cl. 74—7.)



1. In a gear set, the combination of cooperating gear members, shafts on which said members are mounted,

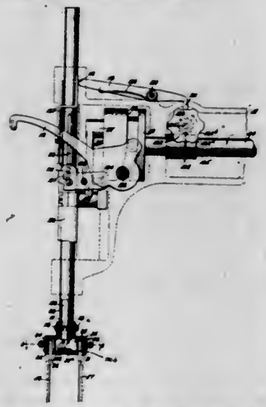
floating frames extending from one shaft to the other and in which the shafts are mounted, and means for controlling the movement of the floating frames.

1,503,920. ROLLER MOUNTING. EMIL SCHNEEBELI, Los Angeles, Calif. Filed June 13, 1922. Serial No. 568,057. 2 Claims. (Cl. 64—36.)



1. A mounting for a roller having an inwardly extending flange including a stationary arbor, a bearing comprising an inner ring, an outer ring and a plurality of members rotatably supporting the outer ring on the inner ring, two collars on the arbor holding the inner ring between them, a carrier holding the outer ring, and a flange extending from the carrier and attached to the flange of the roller.

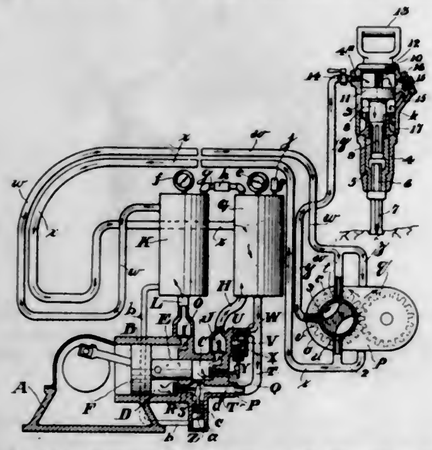
1,503,921. VARIABLE-WIDTH TWO-NEEDLE SEWING MACHINE. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1916, Serial No. 92,140. Renewed July 13, 1921. Serial No. 484,506. 40 Claims. (Cl. 112—158.)



16. The combination with a sewing machine bed plate having a plurality of binding screws tapped therein, a pair of bearing blocks having slots through which said screws project and along which the blocks are adjustable toward and from each other, means to tighten or loosen all of said screws simultaneously, and pairs of independent loopers, feed dogs, and thread catchers mounted upon said blocks and adjustable therewith toward and from each other.

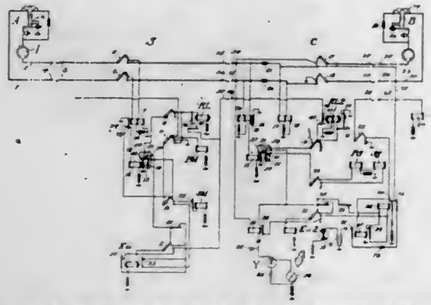
1,503,922. FLUID-PRESSURE IMPULSE SYSTEM. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 20, 1921. Serial No. 486,227. 7 Claims. (Cl. 60—62.)

1. In a fluid pressure impulse system for operating a fluid actuated machine, the combination of a high pressure source of supply of motive fluid pressure and a low pressure receiver, a fluid actuated machine adapted to be actuated by motive fluid from the high pressure source, an interrupter having separate supply and return connections with said high pressure source of supply and the low pressure receiver respectively, a single connection from said interrupter to the said machine, through which



high pressure motive fluid passes to the machine in one direction, and automatic means for causing the motive fluid under reduced pressure from said machine to pass in the opposite direction through said single connection back to the interrupter and thence back to the said low pressure receiver.

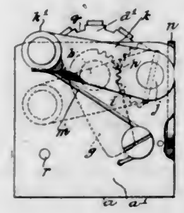
1,503,923. TELEPHONE SWITCHING SYSTEM. FRANK M. SLOUGH, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 6, 1918. Serial No. 232,963. 20 Claims. (Cl. 179—18.)



1. In a telephone system, a line, an automatic switch accessible to said line, and means for controlling the said switch by impulses delivered over the two sides of the said line in series, said means comprising a two-armature relay, one of the said armatures being responsive to all of the impulses of a series, a second armature for the said relay responsive only to the final impulse of the series, and steering means for the said switch controlled jointly by the said first and second armatures.

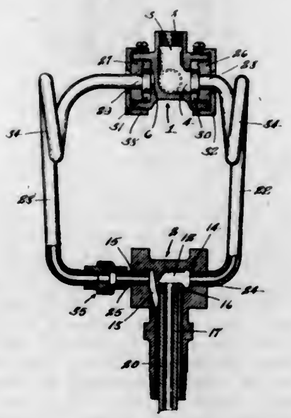
1,503,924. NUMBERING HEAD. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Oct. 28, 1922. Serial No. 597,442. 10 Claims. (Cl. 101—88.)

1. A numbering head embodying therein a main frame, a fixed shaft therein, a sequence of independently rotatable digit wheels mounted upon said shaft, a ratchet wheel carried by each of said digit wheels, the ratchet wheels of the digit wheels of lower denomination having a recess therein, a swing frame mounted in said main frame, a comb pawl carried by said swing frame, the teeth of which are of graduated decreasing heights from the units digit wheel toward the wheels of successively higher denomination, actuating means operative upon said swing frame including therein an oscillatory member



positioned in its entirety below the printing plane of the characters upon said digit wheels, operative connections between same and said swing frame, and a spring acting thereon, the teeth upon said ratchet wheel co-operating with a pawl being so set as to cause movement of the wheel co-operating therewith with movement of said member against the tension of said spring and to cause the pawl to ride upon said teeth with the actuation of said member by said spring.

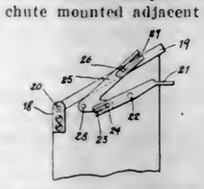
1,503,925. FLEXIBLE COUPLING FOR PRESSING MACHINES. ALEXANDER JAMES SOCIA, Syracuse, N. Y., assignor to The Prosperity Co. Inc., Syracuse, N. Y., a Corporation of New York. Filed July 23, 1920. Serial No. 398,498. 3 Claims. (Cl. 285—7.)



1. A coupling of the class described comprising a pair of unions arranged with their axes parallel and having passages therethrough, extending in the direction of their axes, and a resilient conduit connecting the passages and connected by a swivel joint to one union and being rigidly connected to the other union, the conduit being arranged at an angle to the axes of the unions and the swivel joint being arranged coaxially with the axis of one of the unions.

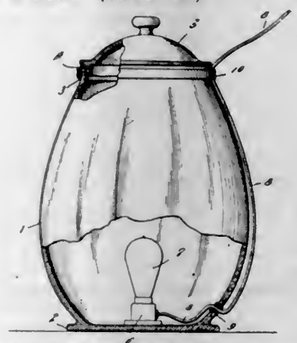
1,503,926. REFUSE RECEPTACLE. JOHN STÄUBLI, Syracuse, N. Y. Filed Sept. 19, 1922. Serial No. 589,072. 3 Claims. (Cl. 220—36.)

1. A refuse tank having cover and bottom members and adapted to be buried in the soil, a door slidably mounted under the cover and adapted to close an opening in the same, a chute mounted adjacent the tank wall, a



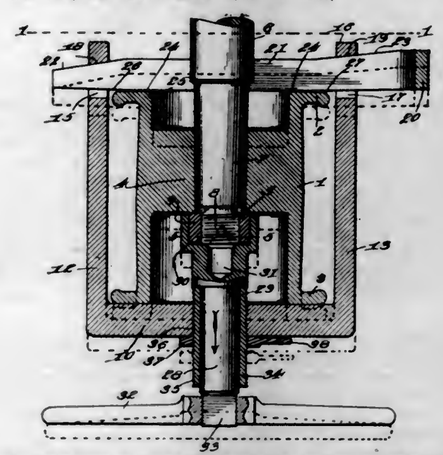
trap pivotally secured to the upper end of the chute, the chute having inclined side edges, and means for opening said trap, by a downward movement of the foot.

1,503,927. PEANUT WARMER. PERCY L. TALLY, Williamston, S. C. Filed Nov. 15, 1922. Serial No. 601,003. 1 Claim. (Cl. 34—21.)



A nut warmer comprising an ovate hollow body of transparent material provided at its larger end with a base and provided at its smaller end with an opening, a cover of transparent material adapted to close said opening, the body being provided at its side and in the vicinity of its base with a relatively small opening, an electric bulb located centrally within the body and positioned upon the base thereof, an electric wire connected with the bulb and threaded through the opening in the side of the body and guided along the exterior surface of the body and means binding the wire to the body in the vicinity of the opening at the smaller end thereof.

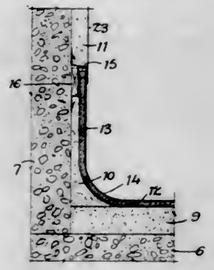
1,503,928. PULLEY MANIPULATOR. DANIEL R. TANNER, La Grande, Oreg. Filed Dec. 28, 1921. Serial No. 525,354. 14 Claims. (Cl. 29—85.)



1. As a means of withdrawing a pulley endwise off from its shaft with a nut on said shaft for normally retaining the pulley on said shaft, a yoke frame for

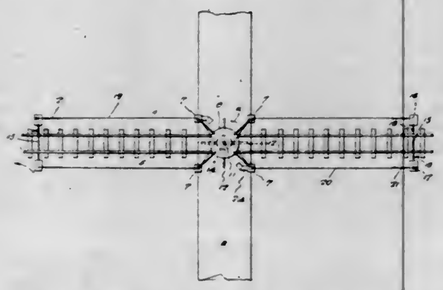
engaging the pulley, and means for turning off said nut and engaging said frame whereby as the nut is turned off said frame will withdraw said pulley.

1,503,929. COMBINED FLOOR COVERING AND BASE STRIP. JOHN M. TRACY and FRANCIS R. SCHERER, Rochester, N. Y. Filed Feb. 10, 1923. Serial No. 618,320. 3 Claims. (Cl. 20—74.)



1. A device adapted to be secured against the ground piece of a wall for concealing and securing the marginal edge of the floor covering and wall base strip to the wall, said device having oppositely extending flanges, a ground-piece engaging portion connecting said flanges, and a downwardly opening pocket overlying said ground-piece engaging portion to receive and house the edge of a floor covering, substantially as set forth.

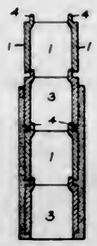
1,503,930. RAILWAY-CROSSING SIGNAL. JAMES A. WEST, Winter Haven, Fla. Filed Nov. 21, 1923. Serial No. 676,097. 3 Claims. (Cl. 246—293.)



1. In a railway crossing signal, a vertical signal plate, means mounting said signal plate above the crossing for rotation upon a vertical axis, means for facilitating rotation of said signal plate by actuation of the same from a train approaching the crossing at a point remote from the latter, said signal plate normally occupying a position parallel with the cross roads of the crossing and being movable to a position parallel with the railway track to indicate the approach of a train, and means to automatically illuminate said signal plate upon movement of the same to its train approach indicating position.

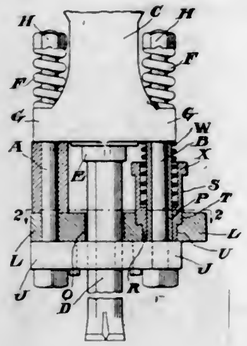
1,503,931. WALL AND BRICK THEREFOR. SHERBURNE H. WIGHTMAN, Birmingham, Mich., assignor, by mesne assignments, to International Concrete Corporation, Wilmington, Del., a Corporation of Delaware. Filed June 9, 1920. Serial No. 387,698. 3 Claims. (Cl. 72—41.)

1. A wall consisting of a plurality of rows of blocks, each row consisting of a plurality of blocks arranged end to end, said blocks being so spaced as to provide grooves between adjacent blocks having depths equal to the desired widths of the mortar beds and a layer



of mortar extending over such wall and having portions projecting into said grooves to form the mortar beds and providing the sole bond between the blocks.

1,503,932. STEEL RETAINER. RUSSELL H. WILHELM, Easton, Pa., and FREDERICK W. RUDLIN, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 13, 1921. Serial No. 477,316. 3 Claims. (Cl. 121—32.)

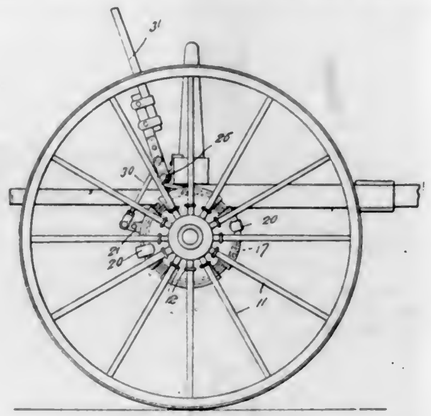


1. A steel retainer comprising bolts adapted to be secured to the front head of a percussive tool, a guide member connecting the ends of said bolts and supported in spaced relation to the front head, said guide having a central aperture for guiding the steel, a yoke for holding the steel pivoted to one bolt and adapted to be swung entirely free from the opposite bolt, said yoke being provided with a central recess for the steel and an end recess having two internal diameters adapted to pass over the opposite bolt, and a manually adjusted longitudinally movable sleeve on said opposite bolt having two external diameters adapted to cooperate with the said end recess for locking the yoke in closed position.

1,503,933. WAGON BRAKE. JOHN R. WOODALL, Chavies, Ala. Filed Apr. 1, 1924. Serial No. 703,425. 2 Claims. (Cl. 188—77.)

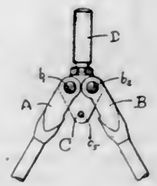
1. In a wagon brake of the character described, a pair of brake units adapted for association with a pair of the wagon wheels, each unit including a wheel attachment member, a band carried by said attachment member, a brake band including a pair of pivotally connected sections disposed upon said attachment carrying band, arms connected to the adjacent free ends of the band sections, a sectional horizontal shaft journalled in bearings carried by the wagon frame and at their

outer ends within certain of the band section arms, means for adjustably connecting said shaft sections together, lateral arms connected to the outer ends of the



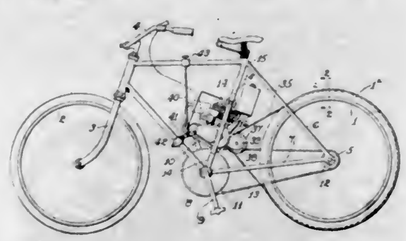
shaft sections, connections between said arms and the before mentioned arms of the other brake sections, and a hand lever connected to one of the arms of the shaft sections.

1,503,934. DRAWING COMPASSES. KAZUE AKASHI, Tokyo, Japan. Filed Sept. 2, 1921. Serial No. 498,064. 4 Claims. (Cl. 33—157.)



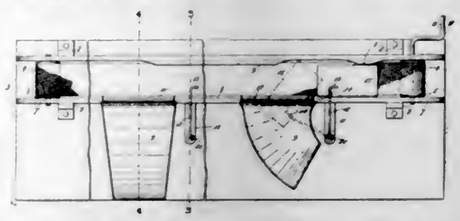
1. In a compass, a yoke member, movable legs, and spherical fulcrum members pivotally mounting each leg in the yoke member independently of the other leg.

1,503,935. BICYCLE AND MOTOR DRIVE THEREFOR. ERLE K. BAKER, Chicago, Ill. Filed Sept. 2, 1919. Serial No. 321,180. 4 Claims. (Cl. 180—33.)



1. A motor bicycle comprising, in combination, a bicycle having a frame including a mast, a motor positioned in an upright manner and substantially in the central vertical plane of the mast, said mast being formed to accommodate said motor, and means arranged in the upper end for yieldingly suspending the motor in said mast.

1,503,936. CONVEYER. WILFRED J. BENOIT, Dracut, Mass. Filed July 19, 1921. Serial No. 485,897. 3 Claims. (Cl. 186—1.)

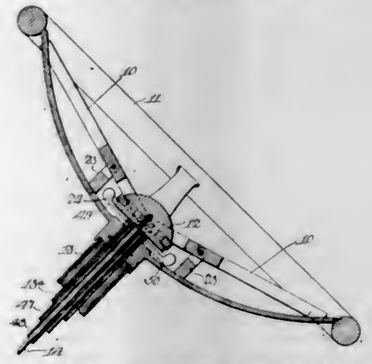


1. A machine of the kind described comprising a conveyer belt, means for moving it, and yielding means located normally to engage packages resting on said belt and draw them therefrom.

1,503,937. PROCESS FOR THE MANUFACTURE OF AROMATIC SULPHONIC ACIDS. FRANK A. CANON, Crafton, Pa., assignor to The Barrett Company, a Corporation of New Jersey. Filed Dec. 13, 1921. Serial No. 521,987. 6 Claims. (Cl. 260—159.)

2. The process of producing sulphonic acids, which comprises passing vapors of an aromatic hydrocarbon and an inert gas unsaturated with water vapor into contact with sulfuric acid.

1,503,938. COMBINED VEHICLE STEERING AND ELECTRIC MOTOR CONTROLLING MECHANISM. WILLIAM DAVIS, Chicago, Ill. Filed Nov. 6, 1922. Serial No. 599,250. 1 Claim. (Cl. 74—39.)

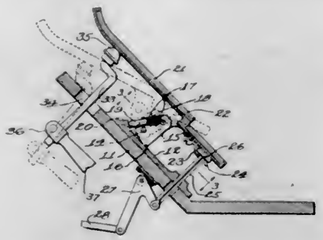


The combination with a hollow post and a wheel secured to one end thereof; of a rod mounted for reciprocation within said post and protruding at one end beyond the same, a thread on said protruding end, a head having an internally threaded socket engaged upon the said threaded end of the rod, the said head having an annular channel in its side, a ring in said channel, a pair of levers pivoted inwardly of their ends upon the outer face of said wheel and disposed in opposite directions from said head, yokes at the inner ends of said levers connected to said ring, and the outer ends of said levers disposed adjacent to the rim of the wheel.

1,503,939. BRAKE AND ACCELERATOR OPERATING MECHANISM. WILLIAM DAVIS, Chicago, Ill. Filed Oct. 1, 1923. Serial No. 665,753. 5 Claims. (Cl. 74—81.)

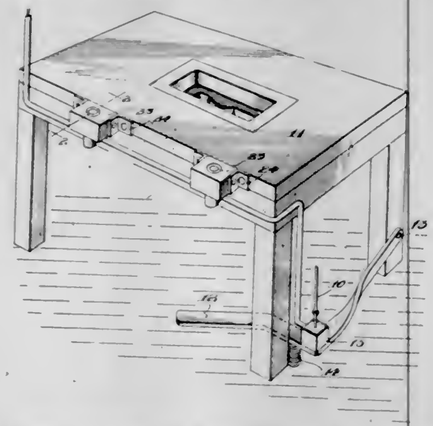
1. In a device of the class described, the combination with a link pivotally mounted at one of its ends to a support, of a member tiltably mounted on the other end

thereof, controlling rods mounted for reciprocation near the opposite ends of said member and adapted to be moved each in one but opposite directions by said tiltable mem-



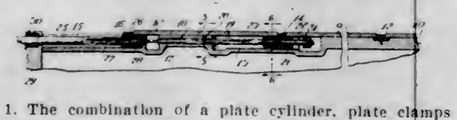
ber, coacting detachably engaging means on one of said rods and on the adjacent end of said member, and means operatively connecting each of said rods to a part to be operated thereby.

1,503,940. ELECTRIC CONTROL MECHANISM. EARL DENNIS, Detroit, Mich. Filed Apr. 8, 1922. Serial No. 550,621. 2 Claims. (Cl. 192—131.)



2. The combination, in a power-operated machine having a tripping member and an operating pedal to actuate the tripping member, of means for magnetically locking said tripping member to operate with said pedal, which means comprises in part an electric circuit having a pair of normally open, manually-operable switches disposed therein and adapted to make the circuit when both switches are closed and to break the circuit when either switch is released which switches are relatively spaced apart such a distance as to require employment of two hands to operate them.

1,503,941. PLATE-CLAMPING MECHANISM FOR PRINTING PRESSES. WILLIAM EVENSEN, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1923. Serial No. 677,427. 11 Claims. (Cl. 101—378.)



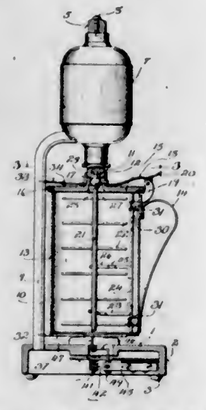
1. The combination of a plate cylinder, plate clamps carried thereby and movable longitudinally thereof, and means for adjusting said clamps to different relative positions simultaneously but at different speeds.

1,503,942. ELASTIC AND EXPANSIBLE PAVING JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed July 3, 1920. Serial No. 393,801. 9 Claims. (Cl. 94—18.)



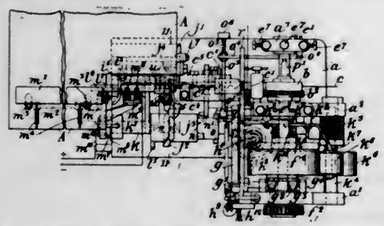
1. An expansion joint composed of compressible mineral fibrous matter having cells or pores, and having the upper portion thereof composed of a substantially solid mass of asphaltic or bituminous substance penetrated into the fibrous structure and forming thereon a solid non-fluid head.

1,503,943. MIXER. HARRISON D. FLEGEL, Racine, Wis. Filed Dec. 26, 1923. Serial No. 682,752. 4 Claims. (Cl. 259—135.)



1. A mixer comprising a container, a mixing element carried thereby and provided with a spindle, a cover for said container through which the upper end of said spindle projects, a frame for receiving said container and for applying spring pressure upon said cover, a motor carried by said frame and having a shaft adapted to lock with the upper end of said spindle, and means for raising said spindle into engagement with the motor shaft, and switch mechanism, operated by said means, for controlling said motor.

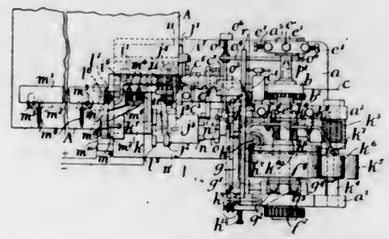
1,503,944. MACHINE FOR MANUFACTURING COILED-WIRE FABRIC. HENRY ARTHUR FRASER and PETER FREDERICK CRIGHTON, London, England. Original application filed Aug. 27, 1921, Serial No. 495,986. Patent No. 1,431,645, dated Oct. 10, 1922. Divided and this application filed July 1, 1922. Serial No. 572,346. 5 Claims. (Cl. 140—8.)



1. A machine for manufacturing coiled wire fabric including wire coiling means, means for actuating the coiling means intermittently, whereby the coiling means

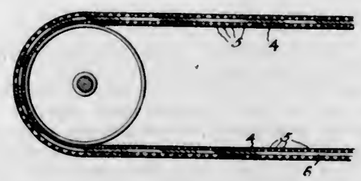
coils a length of wire and then halts its operation, means for severing each coil, intermittently operating means for actuating the severing means, positioning mechanism designed to grip the fabric and hold the same in a position to permit the coiling means to intertwist a coil into the fabric, and controlling means for said mechanism adapted to cause said mechanism to hold one edge of the fabric adjacent to the outlet end of the coiling means to permit a coil to be run into the fabric; to then shift the fabric toward the coiling means slightly to permit a second coil to be intertwisted with the last mentioned coil and with the fabric; and to then move the positioning means laterally and away from the coiling means to permit the latter to insert a coil into the previously intertwisted coils.

1,503,945. MACHINE FOR MANUFACTURING COILED-WIRE FABRIC. HENRY ARTHUR FRASER and PETER FREDERICK CRIGHTON, London, England. Original application filed Aug. 27, 1921, Serial No. 495,986. Patent No. 1,431,645, dated Oct. 10, 1922. Divided and this application filed July 1, 1922. Serial No. 572,347. 7 Claims. (Cl. 140—8.)



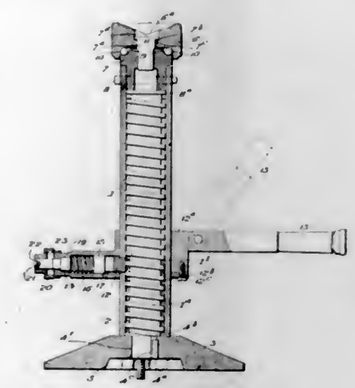
1. In a machine for manufacturing diagonal weave coiled wire fabrics of rectangular form, a coiling mechanism adapted to twist wire into a substantially helical strand, feeding members for gripping and positioning the fabric, said members cooperating with the coiling mechanism to retain the fabric in a definite position while a strand produced by the coiling mechanism is being intertwisted into a plurality of the strands of the fabric, means for cutting the wire after a predetermined length of the same has been coiled by the coiling mechanism, and controlling mechanism functioning to intermittently actuate the coiling mechanism, feeding members and cutting means successively in the order named, and to move the feeding members intermittently and progressively toward the cutting means until more than one strand has been severed by the cutting means.

1,503,946. COMBINED PIGSKIN AND OTHER MATERIAL TRANSMISSION BELT. HAROLD M. GUSDORF, Indianapolis, Ind. Filed Aug. 28, 1922. Serial No. 584,647. 4 Claims. (Cl. 74—63.)



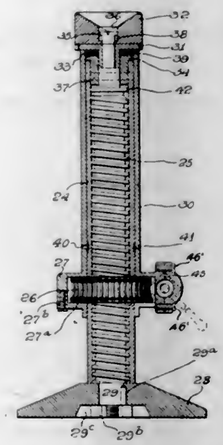
3. A laminated belt made of pigskin leather, in combination with some other fibrous material, the pulley contacting side of the belt being the pigskin leather with the flesh side contacting the pulley.

1,503,947. LIFTING JACK. NORMAN E. HARRIS, Murray, and WILL D. SWIGGART, Fulton, Ky.; said Swiggart assignor to said Harris. Filed Mar. 10, 1921. Serial No. 451,137. 5 Claims. (Cl. 254—98.)



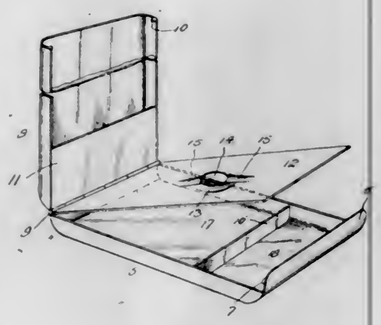
1. A jack or device of the type described comprising an interiorly screw threaded barrel having an annular concaved bearing portion at its upper end, antifriction members in said concaved bearing portion, a jack head swiveled on said bearing portion and rotatably supported on said antifriction members, a screw within said barrel, and means for actuating said barrel with respect to said screw.

1,503,948. LIFTING JACK. NORMAN E. HARRIS, Murray, and WILL D. SWIGGART, Fulton, Ky.; said Swiggart assignor to said Harris. Original application filed Mar. 10, 1921, Serial No. 451,137. Divided and this application filed Aug. 4, 1922. Serial No. 579,630. 4 Claims. (Cl. 254—103.)



1. A jack of the type described, including a threaded barrel-member, a screw-engaging the threads of said barrel-member, a miter and worm-gear mechanism, the worm having a journal provided with a bore, said bore having a seat therein and a slidable handle received within said journal-bore, said handle having spherical terminals, one spherical terminal adapted to be received by and pivoted in said seat.

1,503,949. COMBINATION ASH TRAY AND CIGARETTE CASE. JOHN J. HELM, Quantico, Va. Filed Feb. 2, 1924. Serial No. 690,252. 4 Claims. (Cl. 206—38.)



1. A combination ash tray and cigarette case comprising cover and tray members hingedly connected at one end of the device, a division plate disposed between and hingedly connected to the cover and tray member at their point of hinge connection, said division plate forming a cover for the tray and having a central opening through which ashes may be deposited into the tray, means cooperating with and carried by the cover for facilitating retention of cigarettes within said cover against the top wall thereof, and means for releasably maintaining the cover and tray members in closed relation.

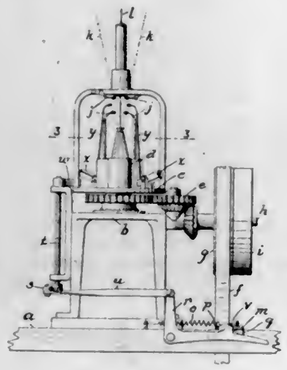
1,503,950. AEROPLANE. VINCENT E. HEYWOOD, Worcester, Mass. Filed June 1, 1920. Serial No. 385,614. 2 Claims. (Cl. 244—14.)



1. In an aeroplane, a pair of wings revolvable about a vertical axis, means for revolving said wings in opposite directions, means for disconnecting said wings from said revolving means and means for locking said wings in flying position.

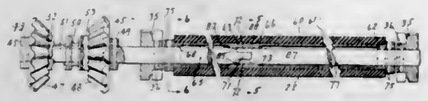
1,503,951. AUTOMATIC STOP MECHANISM FOR CORD KNITTERS. EMIL J. HUGO, Philadelphia, Pa., assignor to Largman, Oppenheim & Co., Philadelphia, Pa., a Copartnership composed of Harry Largman, Joseph Largman, Max M. Oppenheim, and Emil J. Hugo. Filed Aug. 22, 1923. Serial No. 658,761. 5 Claims. (Cl. 66—7.)

1. In a cord knitting machine, the combination with a rotatable base, knitting mechanism mounted thereon and driving means therefor, of means actuatable to interrupt the drive, a member mounted adjacent said base and connected to said drive interrupting means, a stop mounted on said base tending to contact with and displace said member to cause said drive interrupting means to be actuated, means engaged by a thread passing to said machine adapted normally to prevent said stop from contacting with said member and upon the breaking of the thread to permit said stop to contact with and displace said member, and means carried by said drive



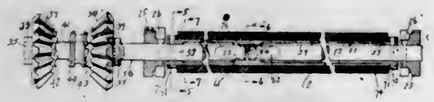
interrupting means adapted when said means is actuated to effect a retraction of said member out of the path of said stop.

1,503,952. WRINGER ROLL FOR CLOTHES WRINGERS. GUSTAVE H. JANTZ, Wyoming, Ohio. Filed May 12, 1920. Serial No. 380,777. 8 Claims. (Cl. 68—33.)



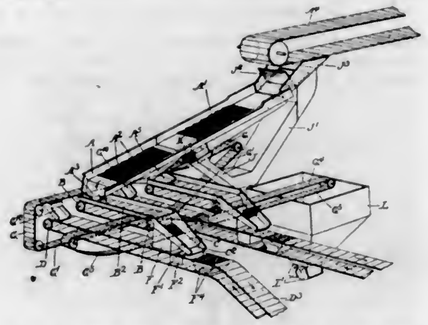
1. In a wringer roll for a clothes wringer, the combination of a shell, and shaft-sections having inner ends received in said shell, said inner ends having means to lock them against relative rotation by axial movements between said inner ends, said shell provided with inner end collars for the respective outer ends of said shaft-sections and with an inner collar for the inner ends of said shaft-sections.

1,503,953. WRINGER ROLL FOR CLOTHES WRINGERS. GUSTAVE H. JANTZ, Wyoming, Ohio. Filed Dec. 8, 1919. Serial No. 343,322. 7 Claims. (Cl. 68—33.)



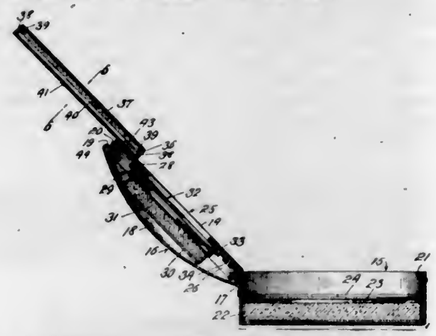
1. In a wringer roll for a clothes wringer, the combination of a pluri-part shell, parted lengthwise of the axis of said shell to form a plurality of shell sectors, the respective parts of said pluri-part shell provided with complemental bearing-parts forming bearings at the ends of said shell, and with complemental bearing-parts intermediate of the ends of said shell, said complemental bearing-parts parted lengthwise of the axis of said shell to form a plurality of bearing-sectors, and a pluri-part shaft the respective parts whereof have bearing in said first-named bearings, and the inner ends of said respective parts forming releasable drive-connections with said last-named bearing-parts.

1,503,954. COAL-SCREENING APPARATUS. GEORGE S. JAXON, Huntington, W. Va., assignor to Link Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 16, 1922. Serial No. 588,520. 20 Claims. (Cl. 83—56.)



1. In a material handling assembly, a plurality of substantially horizontal conveyors placed directly above one another, the lower being an endless conveyor, a chute adapted to deliver material from the upper to the lower conveyor, a rescreening section for the upper strand of the lower conveyor positioned beyond the point of discharge of said chute.

1,503,955. VANITY BOX. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 26, 1924. Serial No. 695,178. 14 Claims. (Cl. 132—83.)



1. A vanity-box comprising a body portion to hold a powder compact and puff therefor, a cover hinged to said body portion at one edge thereof and adapted at its rim to close down into said body and an attachment applied to said cover comprising a circular insert member closely fitting within the rim of the cover and adapted to admit a rouge compact and its puff and a circular mirror frame holding a mirror and mounted on and connected with said insert member and adapted to cover the same and also to be moved outwardly from over the same when the box is open, the means connecting the mirror frame with said insert member being rigid with the insert member and maintaining said frame and member parallel.

1,503,956. EXPLOSIVE AND PROCESS OF MAKING SAME. HARRY W. KLINGER, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 19, 1922. Serial No. 562,141. 13 Claims. (Cl. 52—20.)

1. The process comprising treating a mixture of starch and glycerine to convert the starch into a derivative soluble in the glycerine, and nitrating the solution formed.

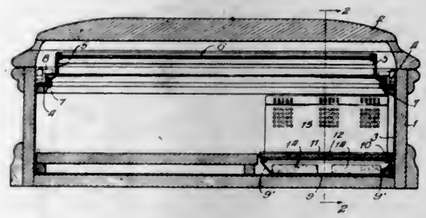
11. An explosive containing nitrated glycerine and a nitrated product in solution in the glycerine, said product being formed before nitrating by treating starch in admixture with glycerine to form a solution, the whole being stabilized.

1,503,957. COMPOSITE MOISTUREPROOF BOARD. OTTO KRESS, Appleton, Wis., assignor to American Lakes Paper Company, a Corporation of Delaware. Filed Nov. 12, 1923. Serial No. 674,254. 5 Claims. (Cl. 154—45.9.)



4. A composite moisture-proof paper board comprising at least one ply of relatively heavy stiffening material, and at least three adjacent plies of relatively light paper that are united by thin films of asphalt and are united by a suitable adhesive to the stiffening material, an abrasive in the form of a gritty filler being embodied in said paper or stiffening material.

1,503,958. BURIAL CASKET. ROY F. MCCAMPBELL, Chicago, Ill. Filed Mar. 26, 1921. Serial No. 455,775. 8 Claims. (Cl. 27—11.)



1. A burial casket comprising a body portion, relatively small chambers positioned within said body portion adjacent the sides thereof and adapted to contain desiccating material, and a liquid receptacle below said chambers adapted to receive liquid from said desiccating material.

1,503,959. METHOD OF MAKING SCREW-CUTTING TAPS. JOHN MCFARLANE and DUNCAN CLELLAND, Glasgow, Scotland. Filed Apr. 1, 1922. Serial No. 548,727. 4 Claims. (Cl. 76—101.)

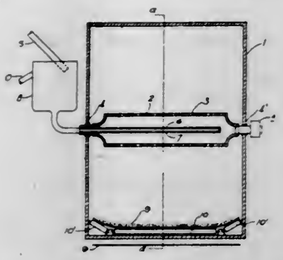


1. A step in the method of manufacturing a screw cutting tap having reverse hand spiral flutes which consists in determining the diameter of the datum circle by the formula

$$d = \frac{\pi D}{10} + D\left(1 - \frac{\pi}{10}\right)\left(\frac{N-2}{N+4}\right);$$

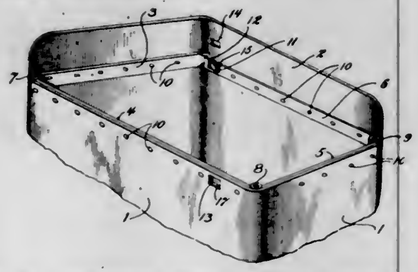
where d=diameter of datum circle, D=diameter of tap and N=number of flutes in the tap.

1,503,960. CENTRIFUGAL MACHINE AND PROCESS. RICHARD MACKAY, Jr., Riverside, Ill., assignor to The Barrett Company, a Corporation of New Jersey. Filed Jan. 14, 1919. Serial No. 271,414. 6 Claims. (Cl. 83—91.)



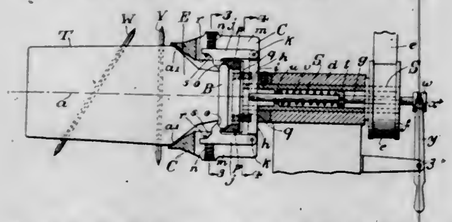
1. The herein described process which comprises comminuting fusible material by projecting it in fluid form through a series of rows of rotating apertures, each row being in a single vertical plane and the apertures in any particular row being substantially equally spaced from a central point so that the material from the respective rows will be projected into a series of vertical planes, cooling the comminuted material in air, collecting the comminuted material and moving it substantially parallel with said vertical planes.

1,503,961. MAIL BAG. JAMES L. MARSHALL, Ercildoun, Pa. Filed Oct. 21, 1922. Serial No. 595,928. 2 Claims. (Cl. 150—18.)



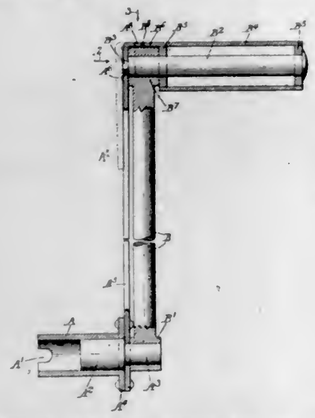
1. The combination with a bag, of a frame secured within the open end of the bag and comprising a set of bars hinged together, two adjacent bars of said set having free ends, the free end of one bar having a perforated lug thereon, the free end of another bar having a slot therein to receive the lug, said lug also adapted to be projected through a slot in a third bar and thence through the bag.

1,503,962. METHOD OF PRODUCING GLASSWARE. JOHN A. MILLIKEN, Bayonne, N. J., assignor to John E. Marsden, Egg Harbor City, N. J. Filed Apr. 8, 1921. Serial No. 459,651. 7 Claims. (Cl. 49—1.)



7. The method of producing an article of glass, which consists in forming said article with an integral extension provided with a shoulder portion, exerting tension on said extension in a direction longitudinally thereof for holding said shoulder portion against an abutment, decorating said article by grinding while so held, and thereafter while rotating severing said article from said extension.

1,503,963. SAFETY AUTOMOBILE CRANK. BERNHARD NILSSON, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,212. 13 Claims. (Cl. 123—185.)



12. A starting crank for engines and the like comprising two crank members one rigid one flexible, a pin on one adapted to engage a perforation in the other, a handle on the rigid member and means operative when the handle rotates with respect to it for deflecting the flexible member to throw the pin out of engagement with the perforation and permit rotation of the two members with respect to one another, the handle having an extension overlying the crank adapted to engage the crank and to limit its rotary excursion, a notch in such extension and a lug on the flexible crank adapted to engage such notch.

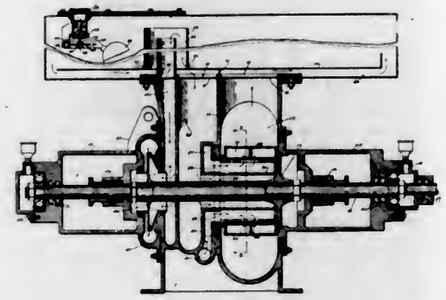
1,503,964. PROPEL PENCIL. WILLIAM M. SAUNDERS, Waterbury, Conn., assignor to The Hoge Manufacturing Company, New York, N. Y., a Corporation of New York. Filed May 12, 1921. Serial No. 468,806. 9 Claims. (Cl. 120—18.)



8. In a propel pencil, the combination of a casing having a tapered point provided with an internal conical seat, a tubular clutch having gripping jaws adapted to engage a lead therein and normally tending to move toward gripping position irrespective of said seat, a bushing within said casing for guiding the upper end of said clutch, and a spring acting to hold said clutch normally in engagement with said seat so as to center the lower end of said clutch, said tapered point having a screw-thread engagement with said bushing and holding said spring and clutch in place.

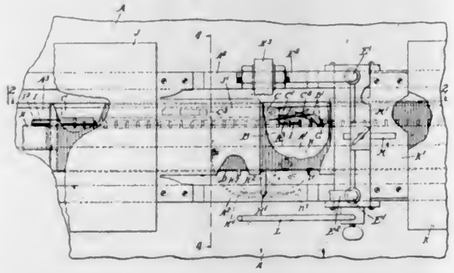
1,503,965. RETURN-LINE VACUUM PUMP FOR STEAM-HEATING SYSTEMS. BENJAMIN SKIDMORE, Jr., Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,334. 13 Claims. (Cl. 230—14.)

1. In combination, a closed tank for receiving air and water and having an air outlet, a rotor casing having an outlet discharging into the tank and an inlet leading from the tank, a rotor in the casing, means for actuating the rotor, said rotor operating to circulate liquid from the tank through the casing and back into the tank, there being a conduit for air and water and having an outlet adjacent the path of movement of the rotor and in which conduit a suction is created by the relative movement of the rotor and liquid, there



being a liquid discharge outlet leading from the tank, and means operating automatically to control the air outlet, the said rotor also operating to build up pressure in the tank whereby the liquid will be delivered from the tank through the said discharge outlet under pressure.

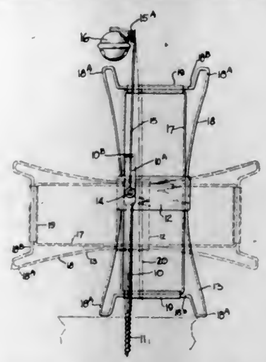
1,503,966. ADDRESSING MACHINE. RUPERT B. SMART, Chicago, Ill. Filed May 6, 1921. Serial No. 467,352. 9 Claims. (Cl. 101—64.)



1. In an addressing machine the combination of a frame, a galley carrier slidable in said frame, a rack bar adapted to carry said carrier, means for progressively advancing said rack bar and carrier, said means comprising a reciprocating block, a pawl on said block adapted in the forward movement of said reciprocating member to engage a pin on said rack bar, and in its rearward movement to pass over the pins of said rack bar, and a locking member adapted to lock said pawl out of contact with said pins.

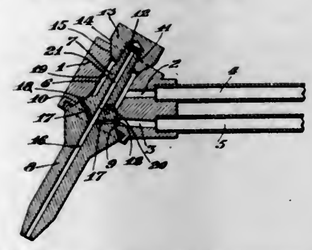
1,503,967. FISHING DEVICE. JOSEPH SUBERT, Oak Park, and ANTON JEDLICKA, Berwyn, Ill. Filed Apr. 28, 1922. Serial No. 557,189. 1 Claim. (Cl. 242—96.)

A fish line holder comprising a wire frame having an inner substantially rectangular section, an outer section, a band embracing both sections midway their ends, said outer section having the corners thereof extending beyond its ends and the adjacent ends of said inner



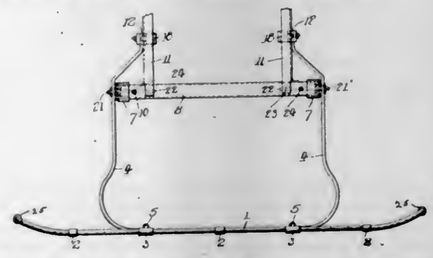
rectangular section, and securing bands extending between said extending corners and embracing the adjacent ends of said inner and outer sections.

1,503,968. GAS BURNER OR TORCH. PRIOR F. WILLIS, St. Louis, Mo. Filed June 23, 1919. Serial No. 306,139. 4 Claims. (Cl. 158—27.4.)



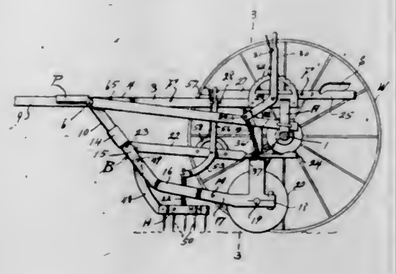
1. In a gas burner or torch of the character described, means for supplying the combustible and the supporter of combustion in the proper proportions and pressures to produce a neutral flame from an orifice of a given capacity, and means for creating a vacuous relief for the supporter of combustion by the operation of the latter flowing into the mixing chamber under normal conditions whereby to maintain the neutral flame under such conditions and whereby, also, the neutral flame continues for a limited period, but of proportionate lesser capacity, upon the occurrence of an abnormal restriction of the orifice.

1,503,969. BUMPER FOR AUTOMOBILES. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill. Filed Oct. 17, 1923. Serial No. 669,080. 6 Claims. (Cl. 293—55.)



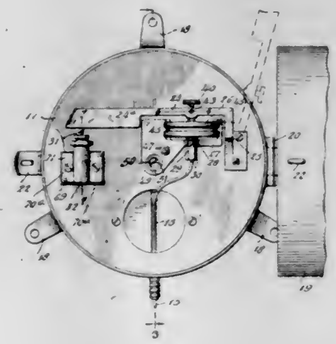
6. In a device of the class described, a clip for connecting the device to the frame of a car composed of a thin flat sheet of metal slit in portions and bent up to form a three sided box clip adapted to register over the end of a channel member of the frame.

1,503,970. AGRICULTURAL DEVICE. GEORGE W. WILSON, Hopkinsville, Ky. Filed May 13, 1922. Serial No. 560,583. 2 Claims. (Cl. 97—7.)



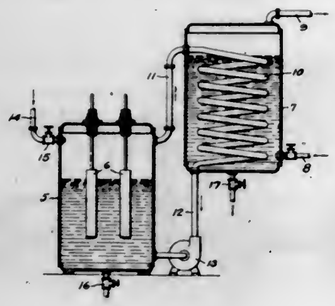
1. A device of the class described comprising an upwardly directed beam comprising members arranged side by side, the lower portion of said members being separated, an upstanding arched member connecting the rear extremities of the separated portions of the beam, a roller supported between said separated portions of the beam, a member connecting the arched member and the upper portion of the beam, a harrow supported by the beam for swinging movement in a vertical direction, and means carried by the member and operatively engaged with the harrow for raising and lowering the same.

1,503,971. AUTOMATIC CONTROLLER. FRANK J. BAST, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,532. 18 Claims. (Cl. 236—86.)



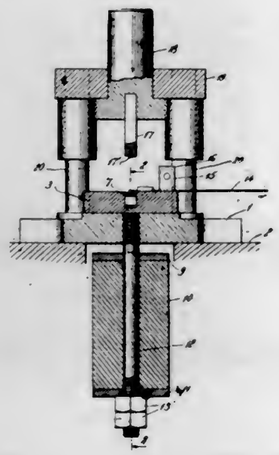
1. In an automatic controller, the combination of a controlling device, a governing device, a gravity-controlled member arranged to be operated by said controlling device to control the operation of said governing device, means for changing the adjustment of the controller, said means being operatively movable in directions transverse to the plane of movement of said member and a dial located in a plane parallel with said plane of movement of said member for indicating the adjustment.

1,503,972. ELECTRIC BOILER. ESKIL BERG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 13, 1922. Serial No. 588,071. 4 Claims. (Cl. 219—40.)



1. In combination, an electric boiler, a second boiler, and a pipe structure in the second boiler connected to the electric boiler.

1,503,973. TERMINAL-SETTING TOOL. EDWARD BERGMAN, New York, N. Y., assignor to C. Brandes, Inc., a Corporation of New York. Filed July 11, 1922. Serial No. 574,253. 5 Claims. (Cl. 78—60.)

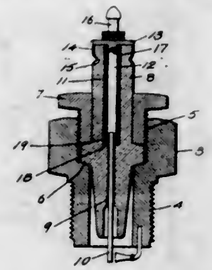


1. In a terminal setting tool, a blank supporting member comprising means for properly positioning a blank thereon, means for guiding a metal strip so that the end thereof may be readily inserted into a recess provided in the blank, and a punch for deforming the portion of said metal strip within said recess to secure said strip therein and cutting off said metal strip to form a terminal.

1,503,974. SPARK PLUG. JASPER BLACKBURN, St. Louis, Mo. Filed Dec. 27, 1920. Serial No. 433,161. 1 Claim. (Cl. 123—169.)

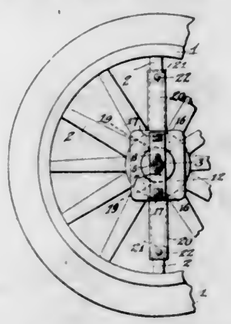
In a spark plug, a casing having a one piece insulator secured therein, said insulator being provided with an upper and a lower concentric bore, the lower bore being of less diameter than the upper bore so as to form a shoul-

der approximately midway the length of the insulator, a tubular upper electrode secured in the upper bore and of approximately the same length as said bore and having indentations formed adjacent its lower end, a lower electrode secured in the lower bore, said electrode extending beyond the lower end of the insulator and into the



tubular electrode and spaced apart therefrom so as to form a spark gap, a metallic cap secured to the upper end of the insulator, said cap being provided with a central projection adapted to fit snugly within the tubular electrode so as to form an electrical connection therewith, and means for securing an electric conductor to said cap.

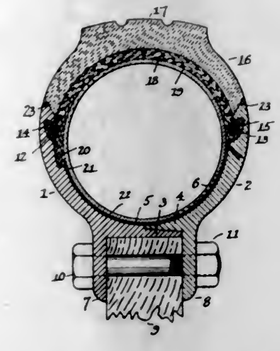
1,503,975. RETAINING DEVICE. JOSEPH A. BROWN and JOSEPH R. WATSON, Jewett, Tex. Filed Dec. 29, 1922. Serial No. 609,661. 4 Claims. (Cl. 301—111.)



2. A retaining device comprising a pair of parallel holding plates each having an opening to provide for the seating thereof on a hub, a coupling plate having an opening to provide for the seating thereof on an axle and against the hub, a pair of oppositely extending retaining arms seating on the hub and interposed between the holding plates, means for connecting the holding and coupling plates and the arms together, and means for connecting each of the arms to a spoke of the wheel, each of said retaining arms including a head having a segment-shaped edge bearing on the hub.

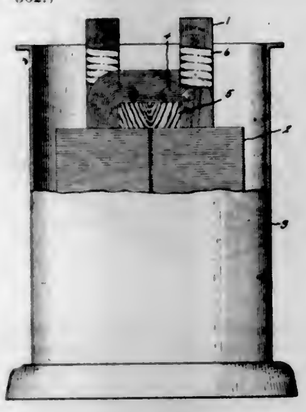
1,503,976. WHEEL RIM AND PNEUMATIC-TIRE COVER. JOHN WALTERS BRYANT, Shepparton, Victoria, Australia, assignor of one-twelfth to Charles William Bryant, one-twelfth to Charles James Bryant, one-sixth to Margaret Eliza Bryant, and one-sixth to William Shell, all of Shepparton, Victoria, Australia. Filed Sept. 22, 1920. Serial No. 412,045. 1 Claim. (Cl. 152—21.)

A vehicle wheel rim comprising two circular cheeks, each of arcuate form in cross-section and adapted to be mounted upon a wheel felloe and when so mounted to provide a channel of arcuate form in cross-section to receive a pneumatic tube, said cheeks having flanges 7 and 8 respectively to seat against the sides of the felloe and also having cooperating tongues 3 and 4 respectively, the tongue 3 extending entirely around the periphery of the felloe and seated thereupon, and said cheeks being



each provided with a circular recess with which one edge of a tire casing is adapted to engage, one of said cheeks being also provided at intervals upon its inner curved wall with recesses adapted to receive projections on the tire casing.

1,503,977. WINDING FOR ELECTRICAL APPARATUS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 26, 1921. Serial No. 503,247. 2 Claims. (Cl. 175—362.)

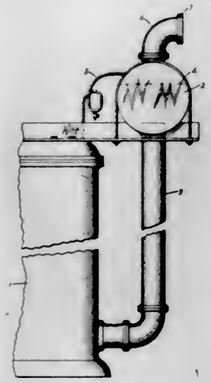


1. A transformer including a core having a winding leg, a winding surrounding said winding leg and having a straight section extending along one face thereof, the straight section of the winding being deformed to provide a projection at an angle to the direction of said straight winding section, and means engaging said projection to prevent displacement of said straight winding section.

1,503,978. CASING FOR ELECTRICAL APPARATUS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 8, 1922. Serial No. 566,918. 2 Claims. (Cl. 220—85.)

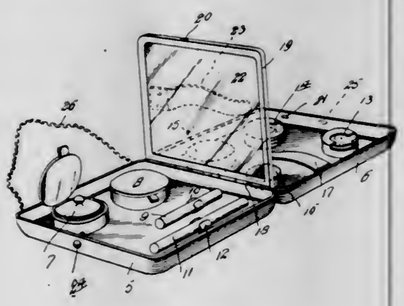
1. The combination with a casing for immersed electric induction apparatus, of an expansion chamber, a pipe connecting the expansion chamber to the lower part of said casing, and an insulating liquid within said casing

and extending through the pipe into the expansion chamber, said pipe having a cross sectional area at least as great as one half of one per cent of that of said casing,



whereby the pipe may carry a rapid flow of liquid to prevent dangerous pressure within the casing upon the occurrence of a fault in the apparatus.

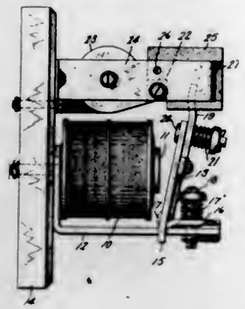
1,503,979. COMBINATION VANITY CASE AND PURSE. ANNIE CALLAHAN, Pulaski, Tenn. Filed July 24, 1923. Serial No. 653,440. 2 Claims. (Cl. 206—38.)



1. A combined vanity case and purse comprising a pair of symmetrical half-sections hingedly connected together to permit them to be swung in the same plane when the case is opened, a flat breakable glass mirror including a frame pivoted to the aforesaid hinge, said mirror being of a size to telescope into one of said sections, and a longitudinally bowed resilient metal strip rigidly secured at one end to the ineffective side of said mirror, said strip forming in one instance a holding clip and having the additional function of a shock absorber for the glass mirror.

1,503,980. ELECTROMAGNETICALLY-OPERATED DEVICE. EUGENE R. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1920. Serial No. 411,189. 14 Claims. (Cl. 175—336.)

2. An electromagnetically operated device comprising a magnet frame member, an electromagnet supported within the magnet frame, an armature member cooperating with the magnet frame member to complete the magnetic circuit of the magnet, one of said members having two integral angularly disposed projections on one end thereof which cooperate with slots in the other member to form a hinge connection between the members, and the said member having also an integral central projection disposed at an angle to the main body of the member between the said projections which form the hinge



connection, the said central projection disposed at an angle serving as a stop for limiting the movement of the armature member and providing an edge at the angle thereof about which the armature rocks.

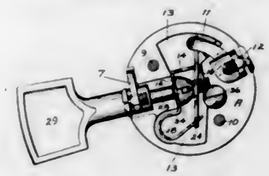
1,503,981. ELECTROMAGNETICALLY-OPERATED DEVICE. EUGENE R. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Sept. 18, 1920, Serial No. 411,189. Divided and this application filed July 27, 1923. Serial No. 654,277. 5 Claims. (Cl. 200—104.)

1. An electromagnetically operated device comprising a magnet frame member, an electromagnet within the frame, an armature member biased away from the electromagnet cooperating with the magnet frame to complete the magnetic circuit of the magnet, an integral projection on the end of the first of said members cooperating with an aperture in the second member forming a hinge connection between the said members, the remaining portion of the said end of the first member disposed at an angle to the main body of the first member providing an edge at the apex of the angle between the said remaining portion and the main body of the first member on which the armature member rocks.

1,503,982. SNAP SWITCH. ARTHUR W. CLAUDER, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Aug. 19, 1920. Serial No. 404,629. 9 Claims. (Cl. 173—346.)

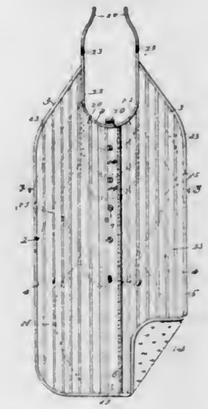
1. A snap switch comprising a rotary shaft, a double wedge cam rotatable about its axis by said shaft, stationary switch contacts, a switch blade to cooperate

therewith, and yieldable means arranged to longitudinally force said blade against said cam transversely



thereof whereby it is caused to move into or out of engagement with said contacts upon each quarter turn of said shaft.

1,503,983. METHOD OF MAKING AUXILIARY SHIRT BOSOMS AND THE ARTICLE FORMED THEREBY. WELLINGTON I. CLEMENTS, Portsmouth, Va. Filed Nov. 8, 1921. Serial No. 513,784. 1 Claim. (Cl. 2—120.)

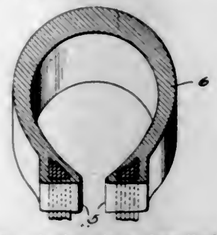


A textile fabric apron adapted to be worn over a shirt bosom and provided at one end with a U-shaped recess, a soft narrow, binding tape binding the edge of said recess and provided near its ends with button holes adapted to engage the rear collar button of a shirt, a tab connected to said apron at substantially the central portion of said recess and having a button hole to engage the front collar button of a shirt, said button holes and binding tape being constructed to lie near the lower edge of a neck band of a shirt, without covering said neck band, the central portion of said apron being provided with a button hole to engage one of the front buttons of an ordinary shirt, a plait extending longitudinally of the central portion of the apron on each side thereof and having the appearance of the plait on the ordinary soft shirt front, and spaced buttons sewed on said plaits to simulate the buttons on an ordinary shirt front.

1,503,984. MANUFACTURE OF 2.3-HYDROXYNAPHTHOIC ACID. LEE H. CONE, Mountain Lakes, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 15, 1922. Serial No. 536,804. 21 Claims. (Cl. 260—110.)

9. The method of producing 2.3-hydroxynaphthoic acid which comprises forming a mixture of melted paraffin and a water solution of sodium beta-naphtholate and heating the solution under reduced pressure to dry the naphtholate, and subjecting the naphtholate while still in admixture with the paraffin to the action of carbon dioxide gas under pressure and heating to effect the carbonation and conversion of the naphtholate and finally dissolving out the product and separating the paraffin from the solution.

1,503,985. GROMMET. WILLIAM G. CORSON, Akron, Ohio. Filed Mar. 19, 1923. Serial No. 626,211. 12 Claims. (Cl. 245—1.5.)



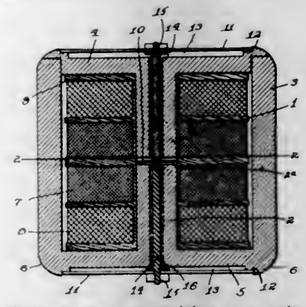
1. A grommet of the class described comprising a plurality of layers of flat metal arranged in side by side contiguous relation and characterized by lateral flexibility and diametric rigidity, said grommet layers comprising a single spiral strip of sheet metal and being of gradually reduced widths, whereby the grommet has a substantially triangular cross-sectional form.

1,503,986. HAIR CLIPPER. JOHN DEAN, Racine, Wis. Filed Oct. 30, 1923. Serial No. 671,718. 5 Claims. (Cl. 30—1.)



1. A sanitary guard for the comb blade of a hair clipper, struck up from thin spring sheet metal providing a body plate convexed from its front to its rear edge, to cover the bottom face of the comb blade rearwardly from the front edge bevel thereof and having an upstanding flange 11 to fit the end and rear edges of the blade.

1,503,987. ELECTROMAGNET. RUDOLF DEMELE, Rochester, N. Y. Filed June 21, 1921. Serial No. 479,402. 5 Claims. (Cl. 179—116.)



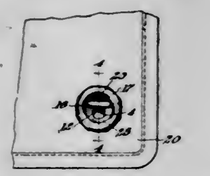
1. An electro-magnet comprising two pole pieces extending one toward the other and having a gap between them, each pole piece being provided with a longitudinally extending bore, an armature disk arranged in the gap between the pole pieces and having its edges free, a casing formed of magnetic material enclosing the pole pieces, gap and armature and forming a magnetic connection between the pole pieces, a stem extending in opposite directions from the pole pieces through the longitudinal bores of the latter, and means for supporting the stem on opposite sides of the armature.

1,503,988. HOSE SUPPORTER. WILLIAM D. FURBY, Baltimore, Md. Filed May 31, 1923. Serial No. 642,593. 5 Claims. (Cl. 24—245.1.)



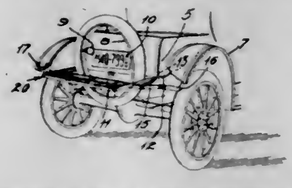
1. A clasp for hose supporters including a button receiving loop, a button to enter and coact with said loop, a button supporting web, and a button attaching plate within the outer portion of the web, having spaced upstanding spurs between which the button is endwise seated, said spurs having upper deflected ends projecting into and embedded within the ends of the button.

1,503,989. CURTAIN FASTENER. EDWARD MCCANN, Chicago, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 9, 1921. Serial No. 521,098. 4 Claims. (Cl. 24—211.)



2. A socket member of a curtain fastener, comprising a back plate provided with a hole for the reception of a complemental stud member, a locking plate slidably mounted on the back plate and having a hole adapted to register with the hole in the back plate, a spring carried by the back plate and engaging the locking plate so as to cause its hole to normally block the hole in the back plate, an oblong handle extending outwardly from the locking plate and arranged transversely thereon, and a frame connecting the back plate and locking plate, the handle being circumscribed by the frame.

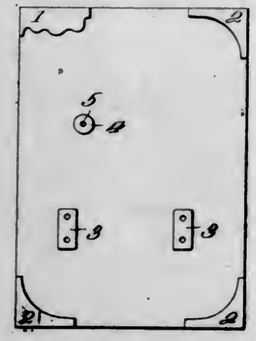
1,503,990. COMBINED BUMPER AND FENDER BRACE AND LUGGAGE CARRIER. LEWIS MILLBERG and VICTOR MILLBERG, Dassel, Minn. Filed Apr. 2, 1923. Serial No. 629,310. 5 Claims. (Cl. 293—55.)



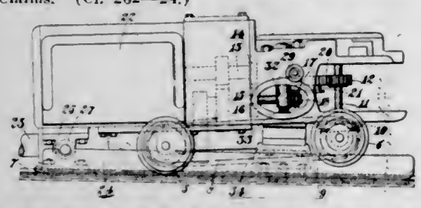
3. The combination with a vehicle bumper and a pair of flanged arms for attaching the same to a vehicle, of a luggage carrier supported on the bumper, and hook-like bolts having sliding interlocking engagement with the flanged arms for holding the luggage carrier on the bumper.

1,503,991. ENAMELING PROCESS. HENRY MOECKER, Jr., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 6, 1923. Serial No. 656,061. 4 Claims. (Cl. 91—73.)

1. In an enameling process, the steps of applying to the article prior to the application of the enamel, wet patterns, then applying the enamel to the article and allowing it to dry, and then removing the dry patterns to effect a removal of the enamel from the article in the desired places prior to the fusing of the enamel.

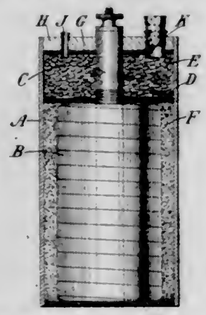


1,503,992. COAL-CUTTING MACHINE. MATTHEW SMITH MOORE, London, England, assignor to Cowlishaw, Walker & Company, Limited, London, England, a British Company. Filed Jan. 24, 1923. Serial No. 614,571. 7 Claims. (Cl. 262—24.)



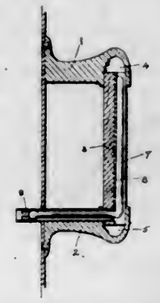
1. The combination of a coal-cutting machine, a skid hinged at one end to said machine to swing in a vertical plane, means for swinging the machine about said hinge relatively to the skid and running-wheels so mounted on the machine relatively to the hinge that when the machine is in its raised position the running-wheels are free from engagement with the track on which they normally run.

1,503,993. INERT ELECTRIC BATTERY. CHARLES SAMUEL MUMMERY, London, England, assignor to The Ever Ready Company (Great Britain) Limited, London England, a British Company. Filed Nov. 16, 1921. Serial No. 515,519. 6 Claims. (Cl. 204—38.)



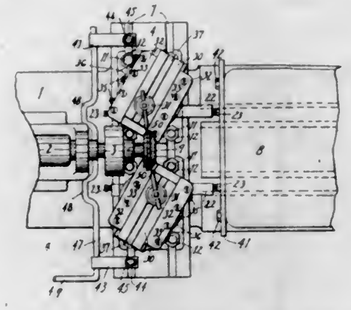
1. An electric battery of the inert type provided with an auxiliary chamber for all of the dry component for the electrolyte, said chamber being adapted to have liquid filled thereinto and having one wall which completely partitions off the chamber from the main interior of the battery and is formed of material that permits water filled into the auxiliary chamber to percolate through it into the main interior of the battery, said main interior being free from electrolyte before the battery is brought into use.

1,503,994. COMBINATION THERMOMETER AND OVEN-DOOR HANDLE. HAROLD F. PENNEY, Geneva, N. Y., assignor to Phillips & Clark Stove Co. Inc., Geneva, N. Y., a Corporation of New York. Filed June 26, 1923. Serial No. 647,910. 4 Claims. (Cl. 73—119.)



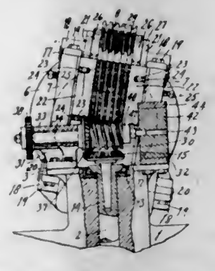
1. A combination handle and thermometer mounting, comprising a pair of supporting brackets, a handle section supported by said supporting brackets there being a channel formed in said handle section and a thermometer having its reading stem mounted in the channel of said handle section and its bulb portion projecting rearwardly through the door adjacent to one of the brackets on which the combination handle is mounted.

1,503,995. UNIVERSAL TURNING FIXTURE. JULIAN L. PERKINS, West Springfield, and LOUIS E. DELOGHIA, Agawam, Mass., assignors to Perkins Appliance Company, Springfield, Mass., a Corporation of Massachusetts. Filed May 23, 1922. Serial No. 562,975. 5 Claims. (Cl. 82—25.)



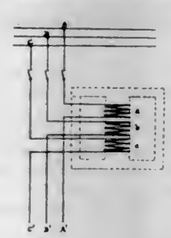
1. The combination, in a turning fixture, with supporting means adapted to be mounted on a turning machine provided with a moving member, and a rack slidingly arranged in said means, said rack being provided at one extreme end with a lengthening and shortening member which is in the direct path of said moving member, and at the other extreme end with a lengthening and shortening member, and retracting means adapted by a lever action to act on said last-named lengthening and shortening member, of a tool-carrying slide adapted to be reciprocated in said supporting means, and provided with a rack, and a spindle journaled in said supporting means, and provided with teeth to intermesh with the teeth of said racks.

1,503,996. WORM-CUTTING ATTACHMENT FOR GEAR-BROACHING MACHINES. JULIAN L. PERKINS, West Springfield, and FRANK W. SICKLES and HIRAM D. CROFT, Springfield, Mass., assignors to Perkins Appliance Company, Springfield, Mass., a Corporation of Massachusetts. Original application filed June 29, 1921, Serial No. 481,261. Divided and this application filed Feb. 1, 1923. Serial No. 616,257. 9 Claims. (Cl. 90—1.)



1. The combination in a flexible cutting element capable of passing an uninterrupted succession of teeth through the cutting field of a gear-broaching machine, of means to support and continuously rotate work on an axis which is in angular relationship to that portion of said cutting element which passes through the cutting field, and in operative position relative to said element, the width of the latter being approximately equal to the length of said work.

1,503,997. PROTECTIVE DEVICE FOR ALTERNATING-CURRENT SYSTEMS. JOSEPH PERRET, Paris, France, assignor, by mesne assignments, to Societe Anonyme Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Filed Aug. 2, 1921. Serial No. 489,247. 2 Claims. (Cl. 175—294.)

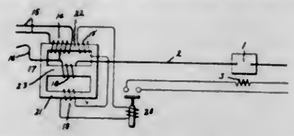


1. A protective device for polyphase alternating currents comprising an inductance connected in series with each phase, the inductances being so coupled as to limit automatically the capacity current upon the earthing of one of the phases and said inductances being ineffective during normal balanced working.

1,503,998. PROTECTIVE SYSTEM. WILHELM PFANNKUCH, Berlin-Niederschoneweide, Germany, assignor to General Electric Company, a Corporation of New York. Filed Aug. 29, 1921. Serial No. 496,489. 7 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

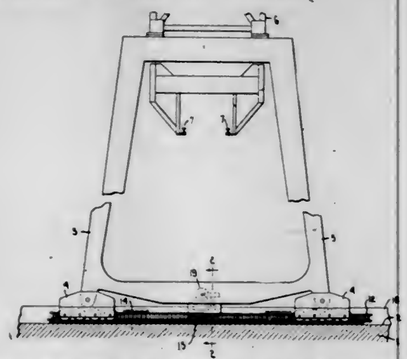
1. A protective system of the class described, wherein a line conductor is composed of a plurality of conductor elements connected in parallel and lightly insulated from each other and wherein an electroresponsive device is to be affected upon the occurrence of a fault on said conductor characterized by the fact that a single transformer is provided at one end of said line conductor for creating a difference of potential between the elements thereof and for effecting the operation of said electroresponsive de-

vice, said transformer comprising a primary winding carrying all of the current to said conductor, an auxiliary winding arranged to produce a difference of potential between the elements of said conductor, and a secondary winding connected to said electroresponsive device and



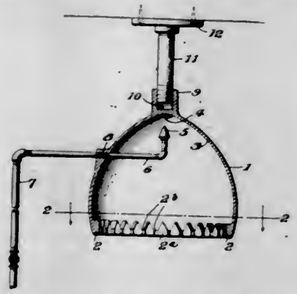
inductively coupled with said primary and auxiliary windings so that during normal operation substantially no current flows through said electroresponsive device and so that upon the occurrence of a fault a current is produced in said secondary winding to effect the operation of said electroresponsive device.

1,503,999. CONVEYING MACHINERY. ROBERT E. SHEAL, Cleveland, Ohio. Filed Oct. 2, 1922. Serial No. 591,821. 11 Claims. (Cl. 105—29.)



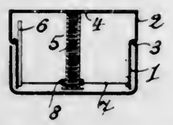
1. In a device of the character described, the combination with a runway and a structure movable therealong, of a toothed driving device carried by said structure and rotatable in a plane disposed at a substantial angle to the vertical, and a rack carried by said runway and meshing with said device, said rack being supported above the surface of said runway and having one of its sides higher than the other and its lower side below any part of said device.

1,504,000. SPRAY HEAD FOR SHOWER BATHS. LEE SIMMONS, Washington, D. C. Filed Nov. 11, 1922. Serial No. 600,313. 9 Claims. (Cl. 299—121.)



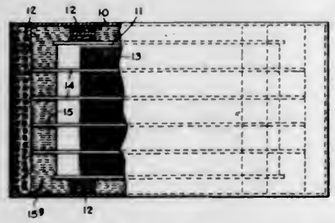
9. A hollow head having an open discharge end formed to provide a water curtain breaking-up rim, and means to discharge water into the opposite end of the head to form a water curtain therein moving toward said rim.

1,504,001. POWDER BOX. EMILE SOYEZ, Paris, France. Filed Dec. 8, 1923. Serial No. 679,399. 4 Claims. (Cl. 221—61.)



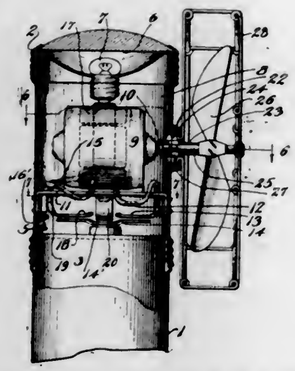
1. A toilet article of the class described comprising a powder compartment or container, a perforate closure member therefor movable relative to said container, and means for compressing the powder in said container and holding it constantly against the perforate closure, whereby to normally prevent escape of the powder through the closure by the compacting action until relative movement between the closure and container is effected.

1,504,002. ELECTROSTATIC CONDENSER. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 13, 1920. Serial No. 423,963. 5 Claims. (Cl. 250—41.)



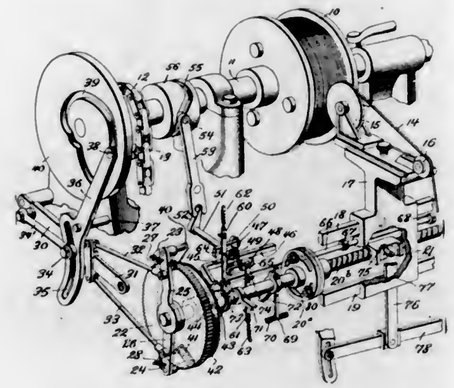
1. In a condenser, a series of electrically active sheets and a plurality of electrically inactive sheets of high heat conducting capacity interleaved with said active sheets and arranged to conduct the heat from the interior of the condenser.

1,504,003. FAN ATTACHMENT FOR FLASHLIGHTS. AUSTIN FAIRCHILD TRUMBULL, Portland, Oreg. Filed May 28, 1923. Serial No. 642,080. 3 Claims. (Cl. 230—1.)



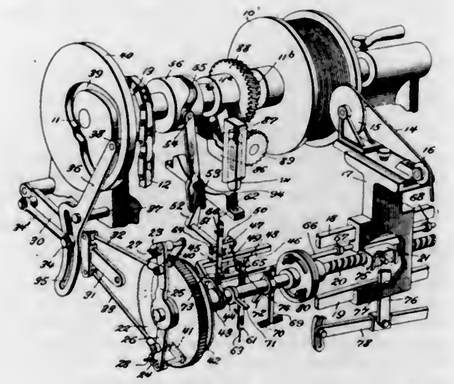
1. In a fan attachment for flashlights, a battery section provided with circuit contacts, a detachable motor section forming a continuation of the battery section and having circuit contacts disposed at its abutting end to cooperate with those upon the battery section when the sections are assembled, a switch member arranged to engage said contacts, and a fan and guard removably mounted upon one side of the motor section for interlocking connection with the motor shaft.

1,504,004. COIL-WINDING MACHINE. JACOB J. VIENNEAU, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 1, 1922. Serial No. 565,203. 5 Claims. (Cl. 242—9.)



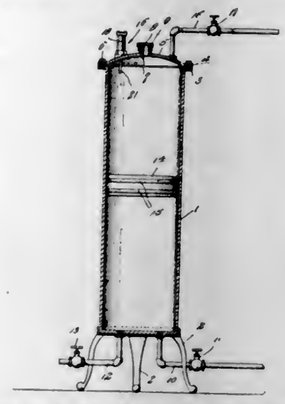
1. A coil winding machine for electrical conductors and the like comprising in combination with a spool, means for turning said spool and for feeding said conductor along a predetermined circumference of said spool, means for shifting said feeding means from one turn to the next, means for reversing said shifting means at the end of each layer, and means for delaying the action of said shifting means in the reverse direction so as to wind the first and last turns of successive layers in a different axial relation then adjacent turns of the same layer.

1,504,005. COIL-WINDING MACHINE. JACOB J. VIENNEAU, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 1, 1922. Serial No. 565,204. 8 Claims. (Cl. 242—9.)



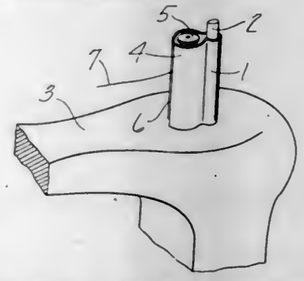
1. A coil winding machine for electrical conductors and the like comprising in combination with a spool, means for rotating said spool and feeding said conductor along a circumference of said spool, means for shifting said feeding means from one turn to the next forming a cross-over, and auxiliary means for controlling the rotation of said spool so as to cause said cross-overs to be distributed uniformly around said coil.

1,504,006. LIQUID-FUEL DISTRIBUTING TANK. DUNHAM A. WEAVER, Elmira, N. Y. Filed Nov. 11, 1922. Serial No. 600,243. 1 Claim. (Cl. 116—118.)



An indicator device adapted to be used upon a fuel distributing tank having a piston movable therein comprising a plug adapted to be screwed into the tank provided with a central bore and with a recess leading in from its outer face and provided at its bottom wall with a socket, the recess and the socket being concentric with the bore, a transparent cylinder having its lower end received within the recess, a head mounted upon the upper end of the cylinder and closing the same, rods disposed exteriorly of the cylinder and connecting the head with the plug, a rod fitting snugly within the bore of the plug and slidably mounted therein, said rod having a diametrically enlarged head adapted to fit snugly in the socket, the internal diameter of the cylinder being greater than the diameter of the head of the rod, the sum of the length of the rod and the enlarged head thereof being greater than the length of the cylinder whereby the piston in the fuel tank is adapted to contact with the end of said last mentioned rod for moving the head thereon in the cylinder to indicate the position of the piston.

1,504,007. BOBBIN HOLDER. EMMA WILLIAMS, Greencastle, Ind. Filed Dec. 11, 1922. Serial No. 606,150. 1 Claim. (Cl. 242—140.)

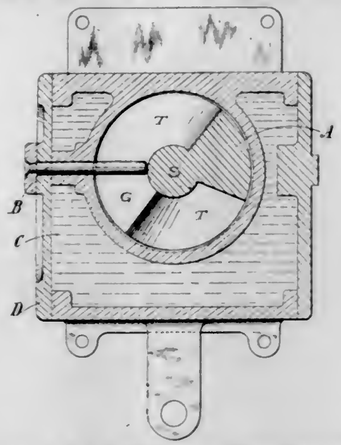


A bobbin holder for sewing machines, the same being formed of a single piece of sheet metal and embodying a sleeve for engaging the spool spindle of the machine; and a split bobbin tube integrally connected to the spindle sleeve, the parting of the bobbin tube being open to allow of the passage of the thread.

1,504,008. BREAD AND BUTTER MACHINE. CHARLES WICKSTEED, Kettering, England. Filed Jan. 26, 1923. Serial No. 615,017. 2 Claims. (Cl. 91—49.)

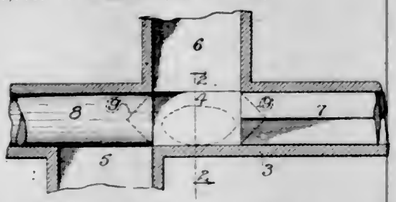
1. The combination with a butter container for a bread and butter cutting and spreading machine, and means

for churning the butter in and feeding the same through the container, of a water jacket around the container to



receive water at a predetermined temperature in order that butter of the desired consistency may be supplied from the container.

1,504,009. NUT-CRACKING MACHINE. HERMANN WILMS, St. Louis, Mo., assignor, by mesne assignments, to R. E. Funsten Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 23, 1923. Serial No. 627,075. 6 Claims. (Cl. 146—8.)



1. A nut cracking machine having a nut receiving pocket, and a reciprocating hammer-plunger working through said pocket, said hammer-plunger having along its upper portion flat surfuces that are inclined downwardly on opposite sides of its middle to form a ridge.

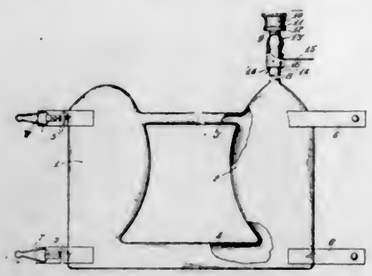
1,504,010. SAUSAGE-LINK-FORMING MACHINE. CARL S. ZDECHLIK, Minneapolis, Minn. Filed Aug. 17, 1923. Serial No. 657,883. 13 Claims. (Cl. 17—34.)



1. The combination with a carrier, of squeezers operative on a filled sausage casing to form links, said squeezers being operative to progressively increase the squeezing action on the sausage casing.

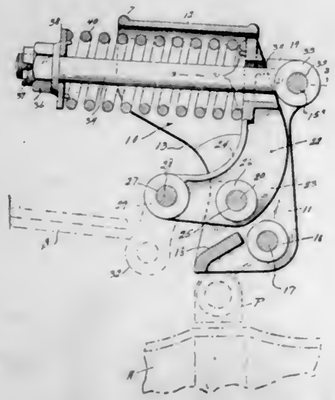
1,504,011. SWIMMING BAG. ARVID ANDERSON, AXEL ANDERSON, and OSCAR ANDERSON, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,779. 3 Claims. (Cl. 9—17.)

1. In a swimming bag, the combination of two relatively large longitudinal inflatable members, a transverse conduit connecting said inflatable members at their lower ends, another conduit connecting said members near their upper ends, said second conduit being of smaller cross-section than said first named conduit, straps secured each at one of their ends to said inflatable members, said straps being arranged in pairs, the members of each pair



being secured near the lower and upper end of said inflatable members, fastening means at the free ends of the straps, and a hose extension projecting from the upper end of one of said inflatable members.

1,504,012. SHOCK ABSORBER. FRANKLIN E. ARNDT, Galion, Ohio. Filed Feb. 8, 1922. Serial No. 534,957. 4 Claims. (Cl. 267—17.)

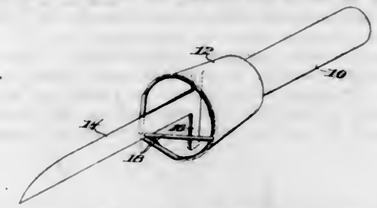


1. A shock absorber of the character described comprising a member adapted to be mounted at its lower end upon the spring perch of a vehicle, a bolt oscillatably connected to the upper end of said member and carrying a stop at its outer end, a lever pivoted intermediate its length to said member and at its upper end having an aperture through which the bolts passes, a spring surrounding the bolt and bearing at one end against said stop and at its other end against the upper end of said lever, the lower end of the lever being adapted to be operatively connected to the free end of the spring, and stop lugs projecting inwardly from the sides of said member and engaged by the upper end of the lever for limiting movement thereof in one direction.

1,504,013. INSTRUMENT FOR WITHDRAWING BLOOD FROM ANIMALS. FRANCIS CLARKE ATWOOD, Newton, Mass., assignor to American Protein Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 5, 1922. Serial No. 605,091. 12 Claims. (Cl. 17—1.)

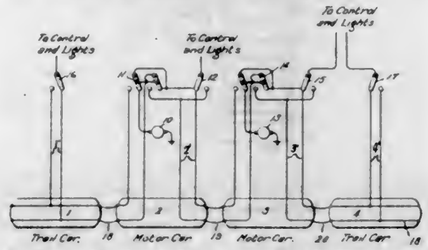
1. An instrument for withdrawing blood in such condition as to permit its use as a basis of food products

from a food animal during its slaughter, comprising a hollow handle having an enlargement at one end thereof



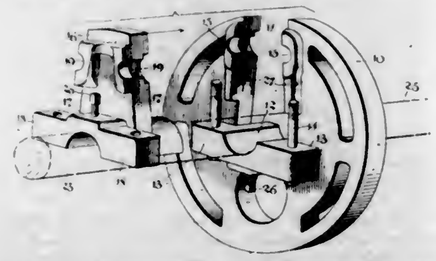
for directing the blood stream from the usual wound into and through the handle and having means attached to the enlargement for spreading the wound.

1,504,014. SYSTEM OF CONNECTIONS FOR PREVENTION OF PARALLELING OF GENERATORS ON TRAIN UNITS. CLINTON J. AXTELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 28, 1922. Serial No. 532,424. 9 Claims. (Cl. 171—313.)



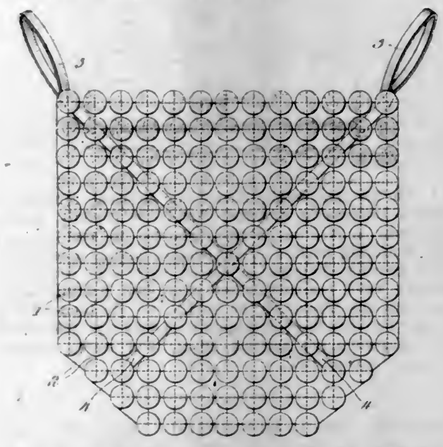
5. The combination with a plurality of generators and a plurality of translating circuits, each generator and each circuit having one terminal connected to a common conductor, of a plurality of two position switch mechanisms, and electrical connections controlled by said mechanisms for connecting the other terminal of any selected generator to the other terminal or terminals of any selected circuit or circuits and preventing paralleling the generators irrespective of the operation of said switch mechanisms.

1,504,015. DETACHABLE CAM OR PULLEY. GORDON B. BABER, Greenville, S. C. Filed June 29, 1923. Serial No. 648,515. 2 Claims. (Cl. 64—18.)



1. A pulley comprising a body having a radial cavity with the sides thereof converging throughout towards the outer edge of said body, said body further having means to provide an integral half bearing at the inner end of the cavity, said half bearing including integral lateral attaching lugs extending over the adjacent face of the body at one side thereof, a filler member seated in said cavity and having the sides thereof converging to conform to the converging sides of the cavity to arrest centrifugal thrust of said member on the operation of the pulley, said member having an integral half bearing at its inner end opposing the other half bearing and including integral lateral attaching lugs extending over the adjacent faces of the pulley body and seating upon the attaching lugs of the half bearing of the body, fastening means connecting the attaching lugs of the half bearings together, and fastening means for connecting the filler member to the body.

1,504,016. GARMENT PROTECTOR. JOHN J. BAEHR, New Orleans, La. Filed July 10, 1922. Serial No. 573,878. 1 Claim. (Cl. 2—48.)



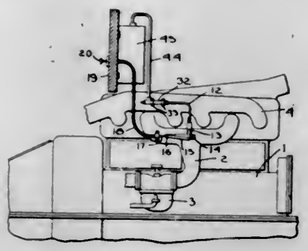
In a device for the purpose set forth, the combination of a series of cork discs secured adjacent each other, in substantially a horizontal plane to produce a garment slightly wider at its upper end than at its lower end, tapes secured to discs running from the upper corners substantially diagonally of said garment, and having loops at their upper end whereby the device may be adjusted to the back of the wearer.

1,504,017. REFLECTOR. PERCY S. BAILEY, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 2, 1921. Serial No. 441,941. 9 Claims. (Cl. 240—41.)



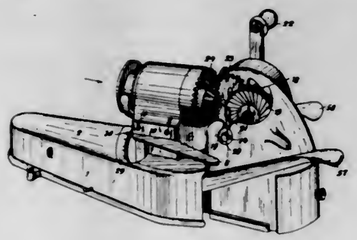
1. A reflector having a reflecting surface comprising a series of alternate sections cut from one paraboloid on lines parallel to the major axis of the paraboloid and arranged side by side polygonally about a predetermined curvature.

1,504,018. AIR-MOISTENING DEVICE FOR INTERNAL-COMBUSTION ENGINES. REMI J. BERARD, Woonsocket, R. I., assignor to Remy Auto Miser Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Mar. 25, 1921. Serial No. 455,426. 10 Claims. (Cl. 123—25.)



1. An air moistening device for internal combustion engines comprising a water supply, a conduit leading therefrom, a heating device, adapted to rest upon a heat radiating portion of the engine having a relatively large heating chamber connected with said conduit, a delivery head communicating with said heating device and with the intake of the engine, an air inlet leading to said delivery head and simultaneously operable means for regulating the amount of air and water supplied to said delivery head.

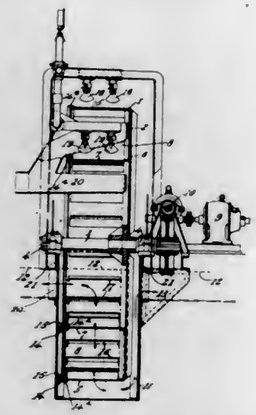
1,504,019. PENCIL-SHARPENING MACHINE. MARTIN BERNDT, Eutritzsch, near Leipzig, Germany, assignor to the Firm of Industrie-Dienst-Ein- und Ausfuhr Gesellschaft mit beschränkter Haftung, Leipzig, Saxony, Germany. Filed Aug. 9, 1923. Serial No. 656,474. 3 Claims. (Cl. 120—95.)



1. A pencil sharpening machine of the type set forth, comprising, in combination with a casing a lengthwise movable rotatable shaft, two bearings in said casing for the shaft, the one bearing consisting of a removable bushing or sleeve in a slotted opening, a cutter-disk rigidly connected with said shaft, means for imparting rotary motion to said shaft and cutter-disk, a means for moving the shaft with the cutter-disk lengthwise, and a movable abutment or stop having a projecting shank with a curved or cam-shaped operative edge, substantially as set forth.

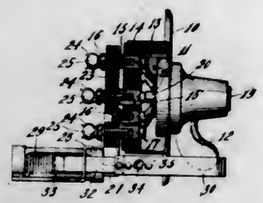
1,504,020. ROTARY FILTER OR STRAINER. FRANCIS WHITWELL BRACKETT, Colchester, England. Filed Sept. 6, 1923. Serial No. 661,261. 3 Claims. (Cl. 210—201.)

1. In a rotary liquid filter or strainer of the class described, a tank having on one side an inlet opening whereby unstrained liquid enters the tank and in a second side an outlet for the liquid after straining, a horizontal rotatably-mounted power shaft spanning the tank, a series of horizontally disposed cylindrical screens forming drums having open ends adjacent to the inlet side of the tank and closed ends adjacent to the outlet side of the tank, said screens being secured to the said shaft and disposed in concentric relation one within another and each with a portion dipping into the tank, each screen being composed of foraminous material, the size of the openings in successive screens being respectively diminished in a manner to render the screens successively finer from the innermost to the outermost screen of the series, and means, consisting of annular



sealing strips interposed between the walls of the tank and the outer peripheral surfaces of the screens, to prevent unstrained liquid which enters the tank through its inlet from passing from the inlet side of the tank to the outlet side thereof between the side walls and the circumferential marginal edges of the screens, the liquid entering the innermost cylindrical screen being caused to pass in succession through the concentric cylindrical screens to the outlet side of the tank, substantially as described.

1,504,021. VARIABLE-RESISTANCE SWITCH. STEPHEN F. BRIGGS and EDWARD N. JACOBI, Milwaukee, Wis., assignors to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 9, 1917. Serial No. 167,477. 7 Claims. (Cl. 219—48.)

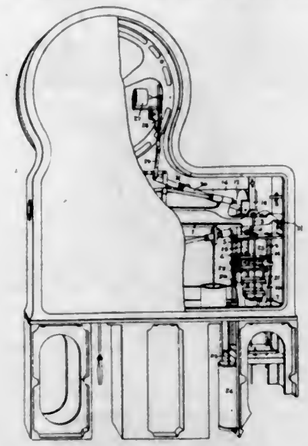


1. An automobile lighting switch comprising a front plate, a switch member mounted to turn therein for controlling the head lights, and a slide passing longitudinally through the front plate for varying the resistance of the head light circuit.

1,504,022. WEIGHING SCALE. GEORGE W. BRITTON, Hamilton, Ontario, Canada. Filed June 25, 1921. Serial No. 480,458. 4 Claims. (Cl. 265—48.)

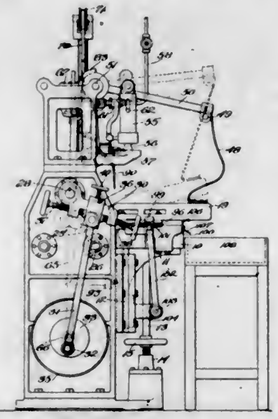
1. In a weighing scale, the combination with the rigid scale frame and scale beam, of rigid vertical guides arranged in the frame, a cradle member slidable on

said vertical guides and having stepped supports, a plurality of counterpoise weights of graduated lengths adapted to rest separately on said stepped supports, and



a member suspended from the beam between said stepped supports and adapted to receive said counterpoise weights upon the lowering of the cradle member.

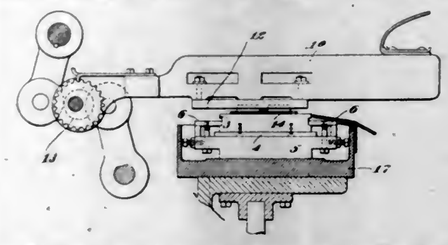
1,504,023. STRAIGHTENING MACHINE. GEORGE T. CLARK, Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1921. Serial No. 460,863. 23 Claims. (Cl. 153—48.)



1. A straightening machine comprising, in combination, a lower die having a rigid work supporting face, an upper die comprising a plurality of independent bars arranged to bear on the article to be straightened to press it against said lower die, and means for relatively reciprocating said dies in a direction substantially parallel to said bars to rotate the article to be straightened between the dies.

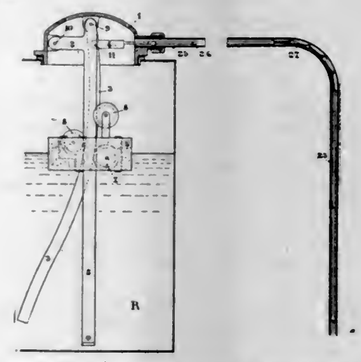
1,504,024. PROCESS OF STRAIGHTENING SPINDLES, AND THE LIKE. GEORGE T. CLARK, Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 3, 1921. Serial No. 505,014. 6 Claims. (Cl. 153—32.)

1. That improvement in the art of straightening spindles and the like, which consists in rotating a spindle alternately in opposite directions between suitable dies while pressing said spindle between the dies, and stopping the rotation of the spindle at the end of each period of rotation, and while its direction of rotation is being reversed, in an angular position which



causes the pressure exerted thereon by the dies to be transmitted therethrough in a different plane from that in which it was transmitted through the spindle at the end of the previous period of rotation.

1,504,025. LIQUID-LEVEL GAUGE. LUCIEN ALFRED MAURICE CORSET, Paris, France. Filed June 25, 1921, Serial No. 480,493. Renewed Dec. 20, 1923. 3 Claims. (Cl. 73—82.)

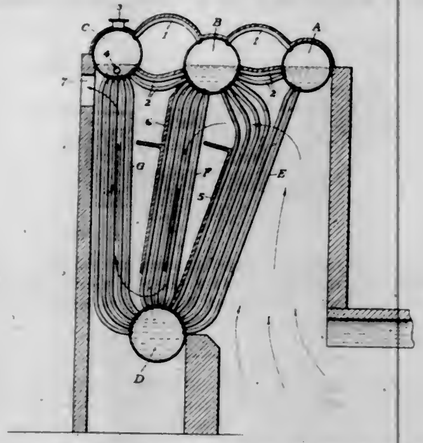


1. A liquid level gauge comprising in combination with a tank and a float operable therein, of a chambered support on said tank, rods fixed in said support to extend perpendicularly into the tank, a curved lever pivoted to said support intermediate said rods, said float having an opening through which the rods and lever freely pass, one or more rollers mounted on said float to impinge on one side of said rods, another roller mounted on the float to impinge on the opposite side of the rods and also on the curved lever, an indicating device, and means for transmitting movement of the curved lever to the indicating device.

1,504,026. WATER-TUBE BOILER. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 8, 1921. Serial No. 520,871. 4 Claims. (Cl. 122—302.)

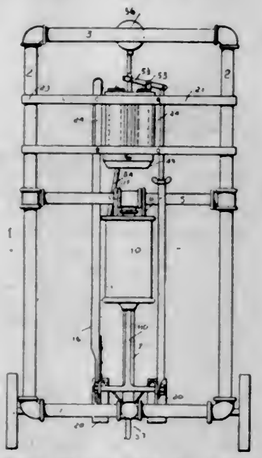
1. A water tube boiler, comprising at least two elevated transverse steam-and-water drums arranged one in front of the other, a transverse mud drum, a front bank of water tubes combined with said mud drum and said elevated drums in such a manner that the tubes that are subjected mainly to convected heat and which are directly connected at their upper ends to the second elevated drum offer the major cross-sectional area of path to the water which circulates upwardly through said bank and the remainder of the tubes at the front side of said bank which are exposed to radiant heat and which have their upper ends connected to the front drum

offer the minor cross-sectional area of path to said upwardly circulating water, water circulators that connect the front drum with the second drum, downcomer tubes



that lead from said second drum to the mud drum, and means for causing the fire gases to flow upwardly over said front bank and downwardly over said downcomer tubes.

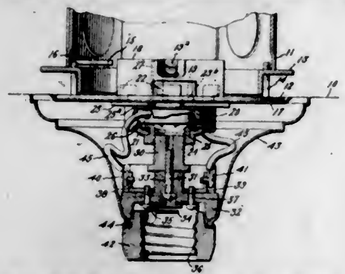
1,504,027. HAND MILKING MACHINE. WALTER H. DELAHAYE and EDOUARD VANDECAN, Ottawa, Ontario, Canada, assignors to The National Manufacturing Company, Limited, Brockville, Ontario, Canada, an Incorporated Company. Filed July 3, 1922. Serial No. 572,652. 5 Claims. (Cl. 31—73.)



1. In a milking machine and in combination with a support, a milk receiving chamber and a hand pump mounted on said support inlet passages for said receiver and a discharge valve therefor, a hand lever operating said pump and means for mechanically operating said discharge valve therefrom.

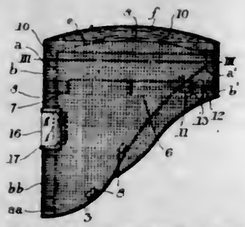
1,504,028. LIGHTING FIXTURE. FRANK C. DE REAMER, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed May 29, 1923. Serial No. 642,340. 2 Claims. (Cl. 240—78.)

1. In a lighting fixture of the type comprising a completely wired unit for electrical and mechanical connection to a wall fixture, the combination of a supporting means, an attachment plug carried thereby, a two-part



lamp socket attached to said supporting means, and a canopy held between the two parts of said lamp socket.

1,504,029. FACE MASK. DAVID DE ROSIER, Braddock, Pa. Filed Mar. 29, 1921. Serial No. 456,539. 4 Claims. (Cl. 2—8.)



1. A protecting mask of suitable perforate material having an inner mask member composed of a continuously annular upper portion and a continuous coping at its top, an outer mask member composed of a continuously annular upper portion and a continuous coping at its top, both of said members sloping downwardly from the back along the sides to front bottom portions with continuous intervening air circulation spaces, and an inner spaced attaching band.

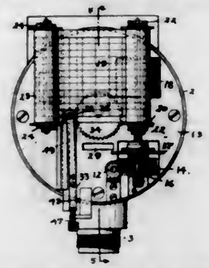
1,504,030. BELT. WILLIAM F. DETTWEILER, Upland, Calif. Filed Aug. 31, 1923. Serial No. 660,383. 12 Claims. (Cl. 227—8.)



1. A belt for the purpose set forth comprising a supporting element, a coupling element including a main and an auxiliary section, said auxiliary section positioned against the outer face of and extending inwardly through the ends of the main section, said supporting element and

main section having cooperating means for detachably connecting the former to the latter, and said auxiliary section having means for securing said main section against the waist of a lineman.

1,504,031. AUTOMOBILE RECORDING INSTRUMENT. JOHN F. DEES, Cleveland, Ohio. Filed Aug. 17, 1921. Serial No. 493,065. 3 Claims. (Cl. 234—31.)



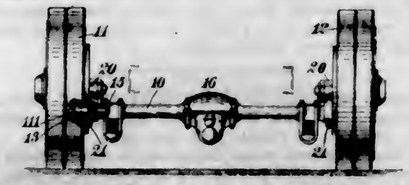
1. An instrument adapted to record the speed and distance of travel of an automobile, comprising a casing having a revoluble shaft therein and a centrifugal governor mounted upon said shaft, a pair of spools mounted axially parallel with the governor shaft and a recording strip removably mounted at the front side of said casing, a feed roller axially parallel with said spool shaft engaged with said strip and one of said spools having a speed-reducing gear connection with said governor shaft, a stylus movable vertically across the line of travel of said strip having rack and gear and oscillatory operating connections with said governor, and a cover for said casing having a window and a mileage scale opposite said strip.

1,504,032. RAILWAY SIGNAL TORPEDO. JOHN WILEY EDMANDS, Newton Highlands, Mass., assignor to Central Railway Signal Company, Boston, Mass., a Corporation of New Jersey. Filed Oct. 22, 1923. Serial No. 670,054. 6 Claims. (Cl. 246—487.)



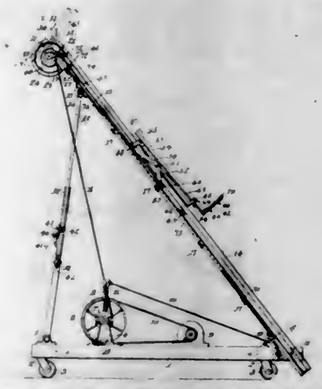
1. An improved torpedo comprising a case having extended ends, a clip below the case having openings passing through it, the extended ends of the case passing through the said openings, and a part of the extended ends resting between the case and the said clip.

1,504,033. GEARING TRANSMITTING DRIVE TO VEHICLE WHEELS. CHARLES KEARNS EDWARDS, London, England, assignor to The Associated Equipment Company Limited, London, England, a British Company. Filed Apr. 9, 1923. Serial No. 630,733. 1 Claim. (Cl. 74—7.)



In a vehicle, the combination of a hollow fixed axle having at one end a crank arm, a road wheel having a toothed ring so mounted on said arm as to be eccentric with said axle, a driving shaft in said hollow axle, a gear wheel mounted on one end of said driving shaft and meshing with said toothed ring, a sleeve in which said shaft is journaled eccentrically, which sleeve is mounted to rotate in said axle at the cranked end thereof, said axle having a circumferential slot and a plurality of recesses in a line parallel with said slot, a stud carried by said sleeve and extending through said slot, and a detent carried by said stud and arranged to engage said recesses and thereby lock said sleeve against rotation, substantially as described.

1,504,034. ELEVATOR. SAMUEL P. ERWIN, Santa Rosa, Calif. Filed Sept. 19, 1922. Serial No. 589,228. 12 Claims. (Cl. 214—103.)



1. An apparatus for the purpose set forth comprising an upwardly traveling carriage, a carrier arranged thereon and extending lengthwise thereof, a supporting element for the carrier, said element having one end pivoted with the upper end of the carriage and its other end pivoted with the lower end of the carrier.

1,504,035. WRENCH. JULIAN H. FAW, New York, N. Y. Filed Jan. 11, 1923. Serial No. 612,058. 4 Claims. (Cl. 81—177.)



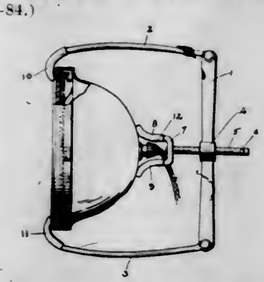
1. A wrench comprising a socket member having a continuous axial passage extending therethrough, the lower end portion of said passage constituting the nut-engaging recess, the upper end portion of said passage being concentric with said nut-engaging recess and also of angular cross-sectional contour, and a handle bar of similar angular cross-sectional contour to fit said recess in the upper end of said socket member, whereby said socket member may be spun for quickly turning the nut to or from tightening position by rolling said handle bar between the palms of the hands, said socket member

also having a transverse passage extending across the axial passage therein to receive said handle bar for tightening or loosening a nut.

1,504,036. METHOD OF PREPARING OXIDES OF TUNGSTEN AND SIMILAR MATERIALS. BEN B. FOGLER, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,092. 2 Claims. (Cl. 23—13.)

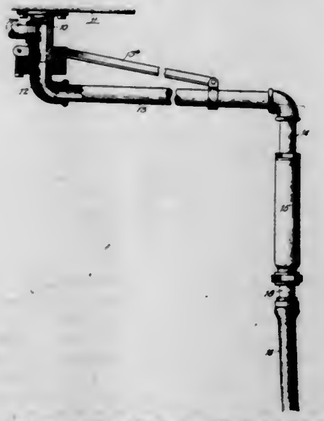
1. The method of preparing finely divided oxide of tungsten and similar material which consists in making a paste of the said material, continuously feeding said paste to a heated surface and continuously removing the dried powder thus formed from said surface.

1,504,037. TOOL FOR REMOVING HEADLIGHT RIMS. CLAUDE V. FURMAN and CARL V. YOUNGS, Rochester, N. Y. Filed Apr. 6, 1923. Serial No. 630,278. 1 Claim. (Cl. 29—84.)



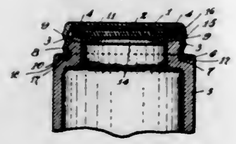
In a tool for removing rims of headlights, the combination of a cross member, a pair of arms pivoted at the outer ends of said cross member, an adjustable clamping screw threaded into the middle of said cross member, a handle formed on one end of said clamping screw, a yoke swiveled on the other end of said clamping screw, said yoke having outwardly flaring sides, resilient cushions mounted on said outwardly flaring sides, said yoke being adapted to straddle the light socket of the headlight and form a base on the back of the headlight adapted to have the adjusting screw to brace itself against it, hooks formed on the ends of said arms, said hooks being adapted to project over the top of the rim of the headlight and down in front of it.

1,504,038. VEHICLE WASHER. RICHARD L. GEASLEN, Chicago, Ill. Filed May 11, 1923. Serial No. 638,190. 4 Claims. (Cl. 299—81.)



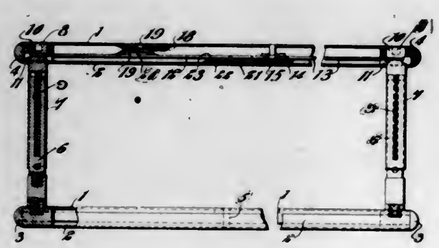
1. In a washer of the class described, a swinging fluid pipe supported above the floor and provided with means for connecting with a source of supply, a flexible hose, a plunger valve, mounted between the source of supply and flexible hose, a plunger in the valve so designed that the fluid is turned on or off with certainty by moving the plunger in the same direction.

1,504,039. JAR CLOSURE. CHARLES GASTGEB, Bridgeville, Pa., assignor of one-half to George J. Picard, Jr., Carnegie, Pa. Filed Oct. 29, 1920. Serial No. 420,548. 2 Claims. (Cl. 215—38.)



1. In a jar closure, a jar having a threaded neck, and a plurality of inwardly standing bosses formed on said neck, an annular resilient washer on the top edge of the jar neck, a jar lid having a number of complementary recesses adapted to engage the said jar neck bosses, superimposed on said washer, an annular non-friction washer on top of said jar lid rim, and a cover having a single downwardly projecting rim engaging the threaded jar neck and compressing the rubber washer between the jar lid rim and the top edge of the jar.

1,504,040. LEDGER BOOK. CORBON L. HARVEY, Detroit, Mich. Filed Aug. 15, 1922. Serial No. 582,011. 2 Claims. (Cl. 129—13.)



1. In a loose leaf binder, a frame including a hollow bar perforated to receive the grooved ends of spaced binder posts, a member pivoted in said bar intermediate the ends thereof, post engaging strips slidable in said bar longitudinally thereof in opposite directions to engage the binder posts and connected at their respective inner ends to said member on opposite sides of its pivot, the top of said bar being formed with a depression and the adjacent face of one of said strips being formed with a boss in frictional contact with said depression, a transverse ridge on the opposite face of said strip, and a spring element fixed to the bottom of said bar and having a transverse ridge, said ridges being adapted to yieldingly resist longitudinal movement of said strip.

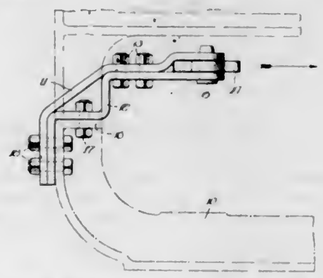
1,504,041. ELASTIC HOSIERY SUPPORTER. EDWARD HAUSER, New York, N. Y. Filed Mar. 6, 1922. Serial No. 541,379. 1 Claim. (Cl. 24—252.)

A hose supporter clamp comprising a substantially U-shaped body portion having one arm slotted, a strip of spring metal having one end secured to the opposite arm and being bent to position the opposite end of said strip adjacent the terminals of the body portion, a lever pivotally secured to the slotted arm, a curved off set portion formed on the lever and extending through the slot to engage



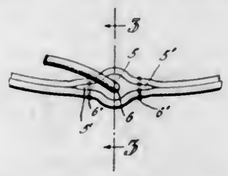
the strip for the actuation thereof, and a covering provided for a portion of the strip as and for the purpose specified.

1,504,042. BRAKE MECHANISM. WILLIAM C. HEDGCOCK, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 12, 1920. Serial No. 358,201. 4 Claims. (Cl. 188—209.)



3. In brake mechanism, the combination of a truck frame, a lever bracket including tension and compression members secured to said truck frame, said tension and compression members being directly secured to each other at spaced points, intermediate portions of said tension and compression members being spaced from each other and cooperating to form a truss to resist operative forces transmitted thereto.

1,504,043. SHOE-LACE HOLDER FOR SHOES. FRANK V. HIDOCK, Plains Parsons, Pa. Filed Jan. 2, 1924. Serial No. 684,049. 1 Claim. (Cl. 24—121.)

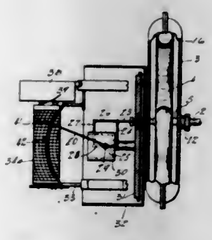


A fastening device including a tubular body portion formed of flexible material, said tubular body portion having laterally disposed longitudinal ribs, said body portion adapted to be positioned between the body portion of the shoe and the lining thereof, and said ribs providing means to receive threads to secure the body portion, and said tubular body portion adapted to receive a shoe lace tip.

1,504,044. PRODUCTION OF O-NITRO-O-AMINOPHENOL-P-SULPHONIC ACID AND ITS DERIVATIVES. HOMER W. HILLYER, Farmington, Conn., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1920. Serial No. 365,345. 5 Claims. (Cl. 260—129.)

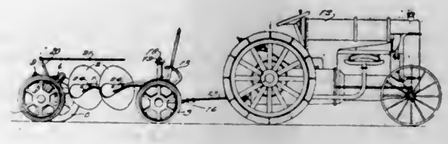
1. The method of producing ortho-nitro-ortho-amidophenol-para-sulphonic acid, which comprises dissolving about 100 parts of substantially pure ortho-amidophenol-para-sulphonic acid in about 300 parts of concentrated sulfuric acid, and subjecting the same to nitration with approximately the theoretical amount of mixed acid required for the nitration, the temperature being maintained at about 0° C., or below, during the nitration.

1,504,045. PRESSURE-MEASURING INSTRUMENT. OLIVE D. HORTON, Erie, Pa., assignor to Equitable Meter Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 10, 1922. Serial No. 535,509. 3 Claims. (Cl. 234—20.)



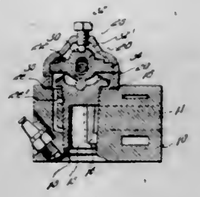
3. In a pressure measuring instrument, the combination of a pressure case; a scrollshaped U-tube swingingly mounted in the case having one end open to the case; a shaft on which the U-tube is mounted, said shaft having a passage communicating with the U-tube; a pressure connection leading to the passage in the shaft; a recording device; and a connection between the shaft and the recording device recording the movements of the U-tube.

1,504,046. DISK PLOW. OTIS W. HOWARD, Moline, Ill., assignor to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Sept. 16, 1922. Serial No. 588,701. 2 Claims. (Cl. 97—72.)



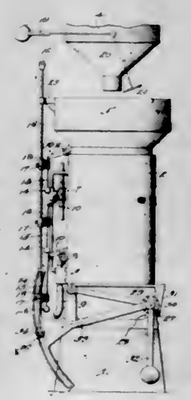
1. A frameless disk plow having a diagonally located beam, a front furrow wheel connected directly to the front end of the beam, crank axles carrying respectively a rear furrow wheel and a rear land wheel for supporting the rear end of the beam, power-lift mechanism for swinging the crank axles to raise and lower the beam, and plowing disks mounted directly on the beam with their axes substantially coincident with the axis of the beam.

1,504,047. VALVE. LAWRENCE E. JOHNSTON, St. Louis, Mo. Filed Dec. 8, 1922. Serial No. 605,686. 2 Claims (Cl. 123—190.)



1. In an internal combustion engine, a head having inlet and exhaust ports, and a communicating bore arranged at a right angle thereto, a hollow valve arranged in said bore and having an opening adapted to alternately communicate with said ports, an annular flange on the upper end of said bore and reposing upon said head, said flange being formed with a central depression, a housing including spaced dome shaped portions arranged above said valve, a shaft journalled in the housing, means for rotating said valve incident to the rotation of said shaft, an adjustable yoke arranged within each portion of the housing and receiving said shaft, each yoke including a spherical portion seated in the recess of said valve, and means for adjusting said yoke whereby the latter holds the valve effectively seated.

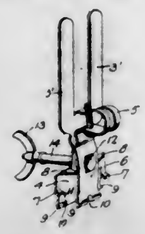
1,504,048. SAND-BLAST MACHINE. WESLEY JORGENSEN, Hagerstown, Md. Filed July 14, 1923. Serial No. 651,682. 5 Claims. (Cl. 51—12.)



1. A sand blast apparatus comprising a tank, having a sand supply valve and an air blast valve a movable part actuated by the weight of the sand in the tank and means actuated by said part for closing the sand supply valve and opening the air blast valve when the weight of the sand reaches a certain degree and for opening the supply valve and closing the air blast when the tank is almost empty.

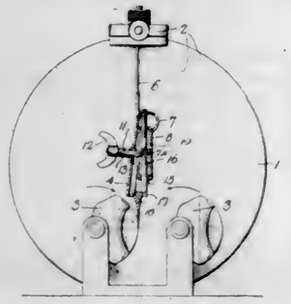
1,504,049. UNIVERSAL BLADE HOLDER FOR SHARPENING DEVICES. FREDERICK J. KALTEYER, Philadelphia, Pa., assignor to Electostrop Manufacturing Company, a Corporation of Pennsylvania. Filed June 24, 1920. Serial No. 391,481. 5 Claims. (Cl. 51—218.)

1. A blade-holder for sharpening devices, said holder comprising oppositely disposed gripping jaws formed at their lower edges with inwardly projecting studs to form gripping contact points against opposite sides of a blade,



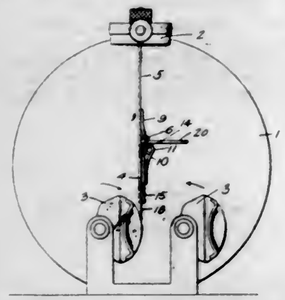
a stud on one jaw being disposed to project intermediate of studs on the opposite jaw.

1,504,050. HOLDER FOR RAZOR BLADES FOR SHARPENING DEVICES. FREDERICK J. KALTEYER, Philadelphia, Pa., assignor to Electostrop Manufacturing Company, a Corporation of Pennsylvania. Filed June 24, 1920. Serial No. 391,482. 5 Claims. (Cl. 51—218.)



1. A blade holder for sharpening devices comprising oppositely disposed jaws, one of the jaws having bearing contacts for one side of a blade, and a stem associated with one jaw to constitute a bearing contact for the other side of the blade and adjustable lengthwise of the jaw for adjustment of a blade.

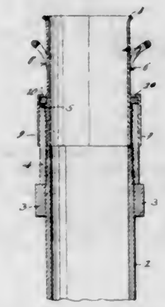
1,504,051. BLADE HOLDER FOR SAFETY-RAZOR BLADES. FREDERICK J. KALTEYER, Philadelphia, Pa., assignor to Electostrop Manufacturing Company, a Corporation of Pennsylvania. Filed June 24, 1920. Serial No. 391,483. 5 Claims. (Cl. 51—218.)



1. A blade holder for sharpening devices comprising oppositely disposed jaws, one jaw having a tongue formed with an opening having elongated extensions and with

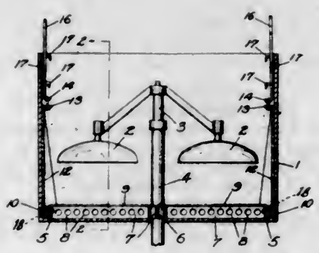
projected fulcrum bearings, and the other jaw formed with openings to receive said bearings for fulcruming one jaw on the other, and a spring connecting the two jaws, one part of said spring bearing against one jaw and having prongs bearing in the elongated slot extensions of the tongue of the companion jaw.

1,504,052. NIPPLE FOR WELL DRILLING. WILSON KAY, Breckenridge, Tex. Filed Aug. 11, 1923. Serial No. 656,894. 3 Claims. (Cl. 137—91.)



1. A device for the purpose indicated comprising a thimble and an associated exterior concentric collar spaced from the thimble, and means for effecting clamping engagement of the thimble and its collar exteriorly and interiorly of a pipe coupling or collar.

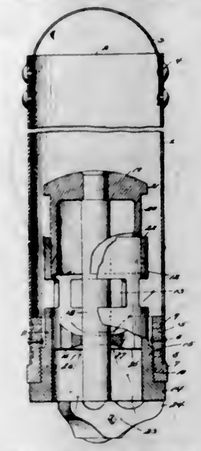
1,504,053. WASHING MACHINE. JOHN JEFFERSON KENYON, Detroit, Mich. Filed Dec. 8, 1922. Serial No. 605,657. 2 Claims. (Cl. 68—30.)



1. In a washing machine, the combination with a tub, of a false bottom comprising an inner peripheral rim, a central hollow boss and radial arms extending from the hollow boss to the inner rim, an open work top for the false bottom having the outer edge turned down over the inner rim, and an outer rim applied over the inner rim and secured thereto for holding the edge of the open work top in position.

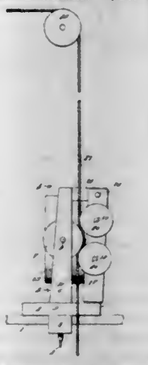
1,504,054. OIL BAILER. FRED M. KIDDER, Warren, Pa. Filed Mar. 16, 1922. Serial No. 544,221. 6 Claims. (Cl. 294—72.)

1. A gravity-operated bailer comprising a hollow body, a valve cage detachably secured in the lower end of said hollow body, having a port communicating with space outside said body and a valve mounted in said valve cage



for controlling said port and having an actuating stem projecting beyond the lower end of said body.

1,504,055. MEASURING REGISTER. BENJAMIN FRANCIS KIFF, Hurricane, W. Va. Filed Feb. 15, 1922. Serial No. 536,780. 1 Claim. (Cl. 33—138.)

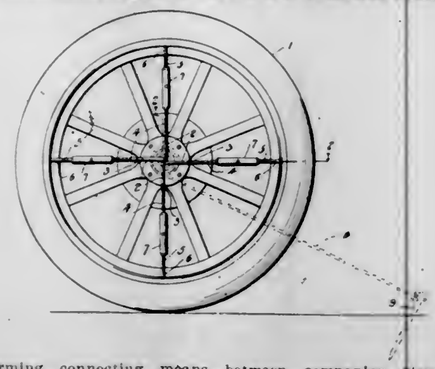


A well measuring device of the character described comprising a base designed to be clamped to the drilling stool of the well sinking apparatus, a centrally slotted upright rising from the base adjacent one side thereof, a peripherally grooved wheel received in the slot of the upright for rotation, an angle extension secured to the upper end of the upright, an arm pivotally secured to the opposite end of the extension and depending therefrom, a coil spring having its end convolutions secured to the upright and arm respectively whereby the arm will be influenced on its pivot toward the upright, a pair of peripherally grooved wheels carried by the arm and being disposed for operative association with the first mentioned wheel, a bracket rising from the opposite side of the base, a number registering device supported by the bracket, a shaft fixed to the first mentioned wheel and to the registering device respectively and the said line of the sinking apparatus being trained over all the wheels as and for the purpose specified.

1,504,056. MOTOR-VEHICLE DRAFT APPLIANCE. ROLLIN G. KILKENNY, Clearmont, Wyo. Filed May 31, 1923. Serial No. 645,588. 1 Claim. (Cl. 242—95.)

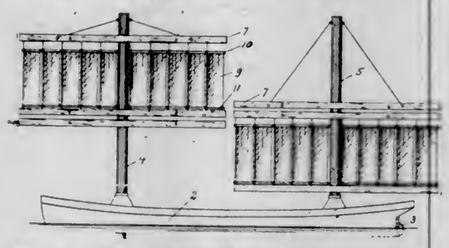
A motor vehicle draft appliance comprising U-shaped members adapted to form a drum and provided with shanks to engage the hub of a wheel between adjacent spokes, stems projecting outwardly from said shanks,

complemental stems having forks at their outer ends to embrace opposite sides of the rim of a wheel, and a sleeve



forming connecting means between companion stems and having a right thread engagement with one and a left thread engagement with the other.

1,504,057. SAILING VESSEL. CARL W. A. KOELKEBECK, Pittsburgh, Pa. Filed Aug. 1, 1922. Serial No. 578,944. 14 Claims. (Cl. 114—103.)



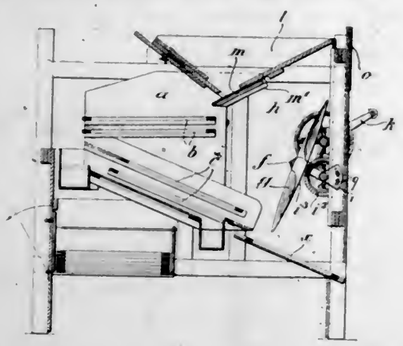
2. In a sailing vessel, a hull, a mast secured thereto for rotation about its longitudinal axis, yards carried by said mast, luff lines connecting said yards, and sails each having its luff edge secured to one of said luff lines.

3. In a sailing vessel, a hull, a mast carried thereby, yards operatively secured to said mast, and a fore-and-aft sail operatively secured between said yards.

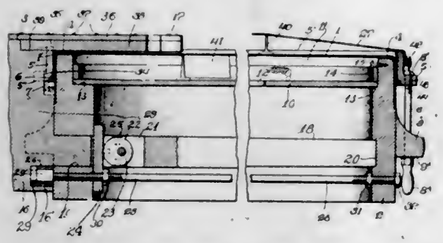
8. In a sailing vessel, a hull, a mast, a pole mast carried thereby, three yards operatively carried by said pole mast in superimposed relationship, and means for causing the upper and lower yard to move in unison.

1,504,058. CLEANING AND SORTING MACHINE FOR GRAIN AND THE LIKE. JULIUS KOLIN, Vienna, Austria. Filed Jan. 27, 1921. Serial No. 440,455. 4 Claims. (Cl. 130—15.)

1. A cleaning and sorting machine, comprising shaking sieve shoes, a stationary fan compartment adjacent said shaking sieve shoes open toward the latter and also open in the opposite direction and closed in all other directions, and a fan in said compartment having its axis adjustable relatively to said shaking sieve shoes.



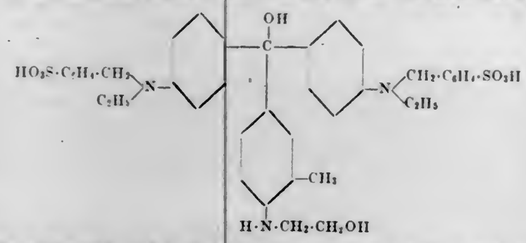
1,504,059. BANJO. VICTOR KRASKE, Kalamazoo, Mich. Filed Oct. 8, 1921. Serial No. 506,394. 5 Claims. (Cl. 84—269.)



1. In an instrument of the character described, a drumhead and rim, in combination with a resonator board disposed in said rim adjacent to but spaced somewhat from its front edge, said rim having an annular shoulder against which said board is seated at its edge, a resilient expansion ring disposed against the outer face of said board opposite said shoulder to lock said board in place demountably and means to secure said ring in place.

1,504,060. TRIPHENYLMETHANE DYES. LUCAS P. KYRIDES, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1922. Serial No. 542,748. 4 Claims. (Cl. 260—67.)

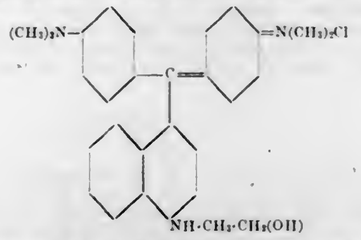
2. As a new product, the herein described new dyestuff having in the free state the following probable formula:



said dye, in the form of its sodium salt and in the dry and powdered state, being a bronze colored powder with a violet tinge, easily soluble in water to give a reddish violet colored solution which is not changed by dilute alkalis but changes to a blue color by the addition of dilute hydrochloric acid, less soluble in alcohol, soluble in concentrated sulfuric acid with an orange-yellow color which upon the addition of water changes to a green color and, finally, to a blue color, the dye remaining in solution; and dyeing wool and other animal fibres, or mixtures of the same, reddish violet shades.

1,504,061. DIPHENYLNAPHTHYLMETHANE DYES. LUCAS P. KYRIDES, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 596,150. 5 Claims. (Cl. 260—67.)

3. As a new product, the herein described new dyestuff having the following probable formula:



said dye, in the dry and powdered state, being of a greenish color with a bronze-like lustre, sparingly soluble in water to give a blue solution which upon the addition of caustic soda gives a brownish colored precipitate, soluble in alcohol and in acetic acid to give blue solutions, soluble in concentrated sulfuric acid (66° Bé.) to give a reddish-brown solution which upon gradual dilution with water changes first to a yellow, then to a green, and finally to a blue color; and dyeing silk, wool, and cotton mordanted with tannic acid and tartar emetic, blue shades.

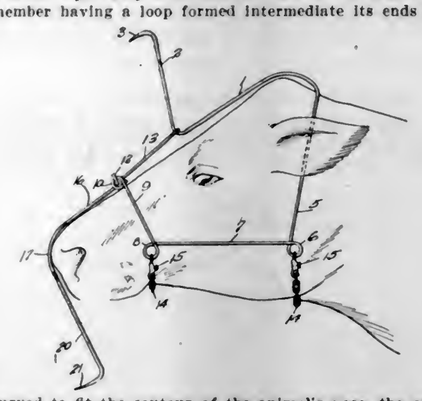
1,504,062. HUMIDIFIER. ALLSTON C. LADD, El Paso, Tex. Filed Mar. 30, 1923. Serial No. 628,876. 3 Claims. (Cl. 131—30.)



1. As a new article of manufacture, a humidifier for containers having a lid provided with a flange engageable over the container body, said humidifier constructed from a sheet of material bent upon itself to provide an embracing portion for an absorbent material and formed with a lid flange engaging portion, and perforations formed in the absorbent material embracing portion.

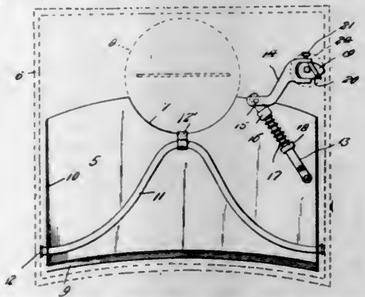
1,504,063. COW POKE. WILLIAM H. LENHART, Lockridge, Okla. Filed June 13, 1923. Serial No. 645,019. 1 Claim. (Cl. 119—142.)

A device of the class described comprising a head engaging member formed with a longitudinally extending head engaging portion, an upward extension from said longitudinal portion at the forward end thereof terminating in a forwardly extending pointed end, the rear end of said longitudinally extending portion being formed with laterally and oppositely extended divided portions curved downwardly and terminating in loops at the lower end, forwardly extending cheek portions being formed with the loops at the lower end of the last named portion, and upwardly extending portions at the forward ends of said cheek portion having a loop connection therewith at one end and formed in terminal loops at the opposite ends, a hinged member extending transversely of the head engaging member, and formed with eyes to receive said terminal loops, a link connecting said hinged member with the forward end of said longitudinally extending portion, a pair of flexible members adapted for removable connection with the respective loops at the opposite ends of the cheek engaging portions for removably connecting the head engaging member on the head of an animal, and a member pivotally connected at one end with said hinge member having a loop formed intermediate its ends and



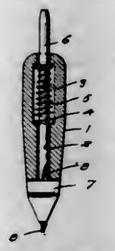
curved to fit the contour of the animal's nose, the other end of said member being formed in a downwardly extending portion terminating in a forwardly extending pointed end.

1,504,064. STOVE-DOOR ATTACHMENT. DOLLY ELSIE LEVERETT, Kalamazoo, Mich. Filed Aug. 7, 1923. Serial No. 656,184. 5 Claims. (Cl. 126—190.)



1. A stove door attachment of the class described comprising a guard plate adapted to be positioned on the lower part of a stove door behind the latter, means carried by said guard plate and engageable with the inner surfaces of the sides of the stove door for mounting said guard plate for a vertical swinging movement and means operatively connected to the guard plate and adapted for connection with the usual door latch for causing swinging movement of the guard plate inwardly upon releasing of said latch.

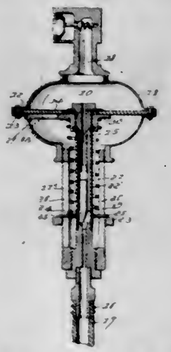
1,504,065. FISHING-LINE FLOAT. ALFRED P. LOWER, Bradford, Ohio. Filed May 29, 1923. Serial No. 642,248. 2 Claims. (Cl. 43—49.)



2. A fishing line float comprising an elongated body having an axial opening which is enlarged at one end, a stem movable freely in the axial opening and having

an enlargement at one end and a line receiving slot adjacent the enlargement, and a helical spring disposed within the enlarged portion of said axial opening and mounted upon the stem and engaging the latter at its outer end and engaging the shoulder at the inner end of the enlarged portion of said axial opening.

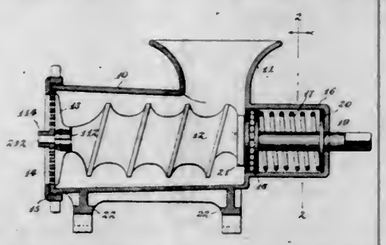
1,504,066. AUTOMATIC AIR-PRESSURE GAUGE. WILLIAM LUTES, San Antonio, Tex. Filed Aug. 25, 1922. Serial No. 584,369. 2 Claims. (Cl. 50—23.)



1. A pressure gauge for tire inflating apparatus having a casing provided with a pressure chamber, a pressure tube in communication with the pressure chamber and having a valve chuck for engagement with the valve of a tire to be inflated, a diaphragm forming one wall of and exposed to pressure within the pressure chamber, a cut-off valve carried by and actuable by said diaphragm, the casing having an air inlet and a valve seat for engagement with said cut-off valve, and a flexible tubular connection housed within the casing and enclosing said cut-off valve and constituting a means of communication between said valve seat and the pressure chamber when the cut-off valve is open.

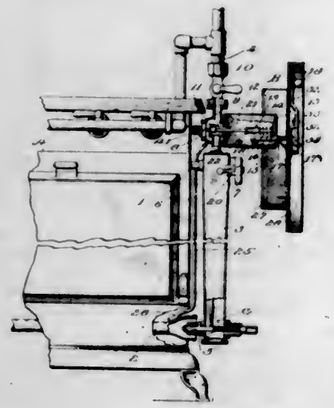
2. A pressure gauge for tire inflation apparatus having a casing provided with a pressure chamber, a pressure supply tube having a valve chuck for engagement with the valve of the tire to be inflated, a diaphragm forming one wall of and exposed to pressure within the pressure chamber, a cut-off valve actuable by the diaphragm, the casing having a supply tube provided with a seat with which the cut-off valve is engageable, and a pointer rigidly mounted with respect to the diaphragm and protruding through a slot in the casing for traversing an indicator exposed thereon.

1,504,067. MEAT-CHOPPING MACHINE. JOHN FRIEDERIK MATTHIES, New York, N. Y. Filed May 27, 1924. Serial No. 716,201. 5 Claims. (Cl. 146—189.)



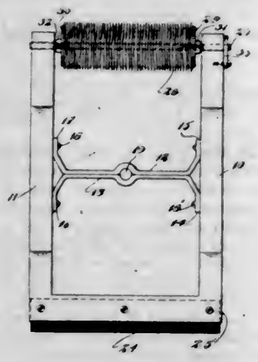
2. In a meat chopping machine, a casing having a feed opening and having a housing extension in the rear of the said opening, a feed screw in said casing, the shaft of the feed screw extending through said housing, a spring coiled about said shaft and exerting forward pressure on the feed screw, a knife turning with the feed screw at the front end, and a perforated disk adjacent to which said knife turns.

1,504,068. AUTOMATIC FUEL CONTROLLER FOR BURNERS. BENJAMIN EDWIN MEACHAM, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 31, 1921. Serial No. 441,237. 18 Claims. (Cl. 236—46.)



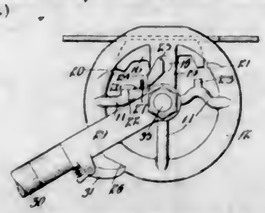
1. In a device of the character described, comprising an oven, a burner therefor, a thermostatically controlled valve for said burner, a normally closed fuel valve controlling the flow of fuel to said thermostatic valve, a member holding the said fuel valve normally closed, and a clock mechanism adapted to open the said valve at a predetermined time, for the purpose described.

1,504,069. WINDOW-CLEANING DEVICE. FRANK MILLER, West Hoboken, N. J. Filed Mar. 28, 1923. Serial No. 628,240. 1 Claim. (Cl. 15—117.)



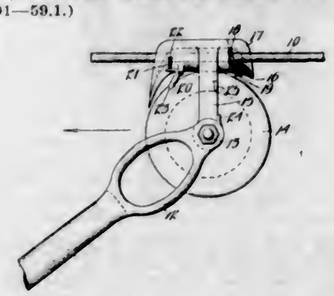
In a window cleaning device, a frame comprising side bars connected at one end by a cross bar and free of connection at the opposite end, the cross bar being formed with a longitudinal slot for the reception of a wiping element, a wiper held therein and a brace strip connecting the side bars intermediate their ends and centrally formed for the reception of a handle.

1,504,070. TROLLEY WHEEL. OTTO MOORE, Indianapolis, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 27, 1923. Serial No. 635,067. 15 Claims. (Cl. 191—59.1.)



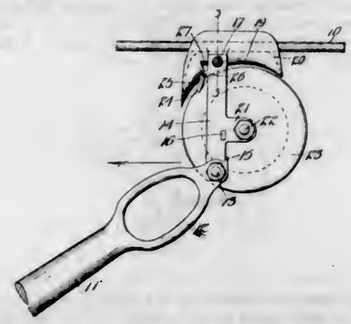
1. A trolley wheel having a pivoted shoe forming a part of the rim of said wheel said shoe being arranged for sliding engagement with the trolley wire, substantially as set forth.

1,504,071. TROLLEY WHEEL. GILES S. MOORE, Indianapolis, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed May 31, 1923. Serial No. 642,571. 7 Claims. (Cl. 191—59.1.)



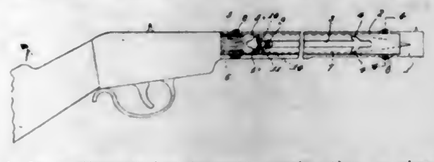
1. In a trolley, a harp, a bolt connecting the forks of the harp, a trolley wheel rotatable on the bolt, a bracket pivoted on the bolt and straddling said wheel, a shoe at the free end of the bracket, and means whereby the shoe is slidingly engaged with the wire on forward movement of the trolley, and the wheel is similarly engaged on backward movement of the trolley, substantially as set forth.

1,504,072. TROLLEY WHEEL. GILES S. MOORE, Indianapolis, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed May 31, 1923. Serial No. 642,572. 6 Claims. (Cl. 191—59.1.)



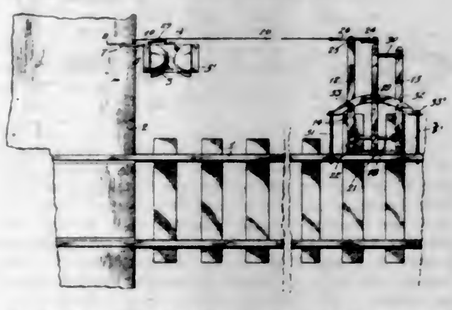
1. In a trolley, a harp, a bracket pivoted thereon and movable into horizontal and vertical positions, a sliding shoe on the bracket engaging the trolley wire in one of said positions, a wheel on the bracket engaging the wire in the other position, and a pawl on the bracket adapted to engage a tooth on the wheel to raise the shoe and the bracket on forward movement of the trolley, substantially as set forth.

1,504,073. DISAPPEARING BAYONET. SIMMIE L. MOORE, St. Louis, Mo., assignor of one-half to Edward Montgomery, St. Louis, Mo. Filed Mar. 26, 1924. Serial No. 702,087. 2 Claims. (Cl. 42—86.)



1. In a disappearing bayonet construction, a sheath adapted to be fixed alongside a rifle barrel and closed at its rear end and having an exposed longitudinal slot extending throughout a considerable portion of its length, said slot provided near its rear end with lateral arms and near its forward end with lateral rearwardly divergent arms, a bayonet movable rectilinearly in said sheath and adapted in one position to be fully housed therein and in another position to project beyond the sheath, a coiled spring housed in the sheath and interposed between the heel ends of the sheath and bayonet, and a sectional spring actuated lever carried on the bayonet and adapted to cooperate with the said lateral arms of the slot.

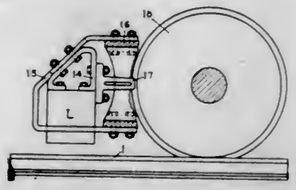
1,504,074. RAILWAY-CROSSING SIGNAL. ROBERT L. MUNDELL, Oskaloosa, Iowa. Filed May 10, 1924. Serial No. 712,400. 1 Claim. (Cl. 246—294.)



A railway crossing signal comprising a supporting frame arranged at a point adjacent from the point of intersection of the railway tracks with the roadway, opposed bells immovably supported upon said frame, a figure immovably supported laterally of said frame, a visual signal arm pivotally mounted on said figure, a bell striking hammer pivotally mounted upon the frame and adapted to alternately engage said opposed bells, means for connecting the bell striking hammer to one end of said visual signal arm, supporting arms secured to certain of the sleepers of the railway tracks, bearings on said supporting arms, a trip arm pivotally mounted between said bearings having one end thereof disposed in proximity to the tread portion of one of the railway tracks and formed with a right angularly disposed trip finger normally extended above the tread portion of said railway tracks, the opposite portion of said trip arm being curved upwardly and formed with a lateral extension, an upright supported upon one of said arms, a bell crank lever mounted upon the upright having one end thereof connected to the lateral extension of said trip arm, a motion transmitting rod connected to the remaining end of said bell crank lever and to one end of the pivotally mounted bell striking hammer, a curved bracing bar arranged transversely

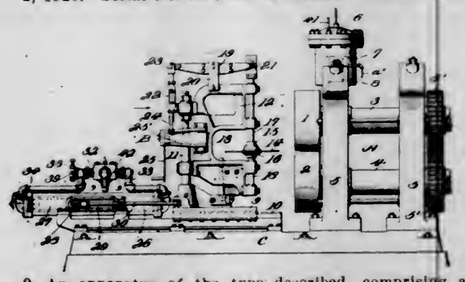
of said supporting arms and secured to adjacent portion of the same, and rods having hooked ends engaged in the opposite extremities of said curved bracing bar and connected to the basal portions of said adjacent railway track.

1,504,075. AUTOMATIC TRAIN-CONTROL SYSTEM. JOSEPH N. PAUL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 20, 1919, Serial No. 339,399. Renewed Jan. 2, 1923. 20 Claims. (Cl. 246—63.)



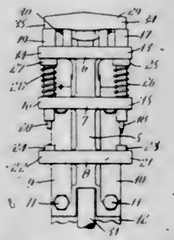
1. In an automatic train control system, the combination with a vehicle, of an adjustable impulse device thereon, and means for determining the position of said device with respect to the track rails.

1,504,076. MANUFACTURE OF TAPERING METAL DISKS. ISAAC H. PRICE, Warren, Ohio. Filed Feb. 2, 1920. Serial No. 355,788. 9 Claims. (Cl. 80—16.)



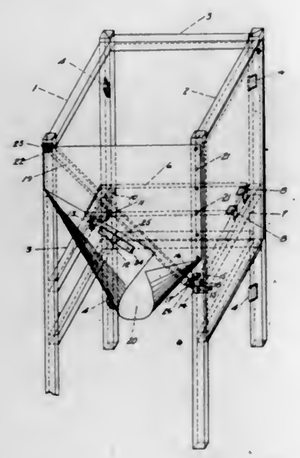
9. An apparatus of the type described, comprising a pair or rollers, a revolvable disk support mounted on a slidable base, two cylinders arranged in tandem and having their adjacent ends connected with the base, means for supplying pressure to the opposite ends of the said cylinders, said means including a valve for controlling the passage of pressure out of the inner cylinder for controlling the speed at which the base is moved toward the rollers.

1,504,077. PUNCHING AND RIVETING MACHINE. WILLIAM EDWARD REES, Gananoque, Ontario, Canada, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a Corporation of Massachusetts. Filed Nov. 22, 1923. Serial No. 676,309. 4 Claims. (Cl. 218—1.)



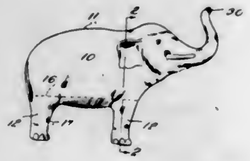
1. A punching and riveting machine having, in combination, a frame, a horizontal work support terminating at its front end in a pair of arms, a die on one of said arms, an anvil on the other, a vertical reciprocatory punch plunger in alignment with said die, a vertical reciprocatory rivet plunger in alignment with said anvil, and a lever pivoted to said frame and adapted to simultaneously engage the upper ends of said punch and rivet plungers, whereby a downward movement may be imparted thereto.

1,504,078. FOLDING VOTING BOOTH. JOHN J. REINHOLD, Marietta, Pa. Filed Sept. 10, 1921. Serial No. 499,710. 1 Claim. (Cl. 20—3.)



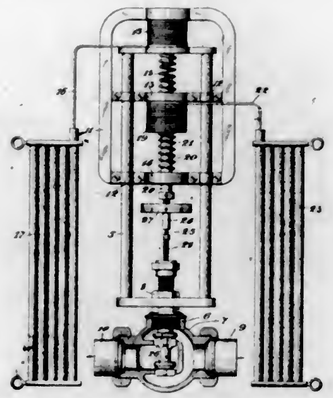
In a folding booth comprising a back section, two side sections hinged to said back section, a curtain, one vertical edge thereof being fixed to one of said side sections, a curtain supporting member positioned diagonally across the front of the booth, the upper end thereof contacting with the front edge of the side section opposite to the side section to which said curtain is fixed, a hinge fixed to the side section to which said curtain is fixed and the lower end of said curtain supporting member, said hinge being adapted to permit swinging movement of said curtain supporting member in a horizontal plane and a vertical plane, a stop carried by the side section to which said curtain is fixed and adapted to limit upward movement of said curtain supporting member, and means for fixing the free end of said curtain to the upper end of said curtain supporting member.

1,504,079. INFLATABLE SHEET-RUBBER TOY. FRED THOMAS ROBERTS, Yonkers, N. Y., assignor to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y., a Corporation of Delaware. Filed May 17, 1924. Serial No. 713,892. 6 Claims. (Cl. 46—40.)



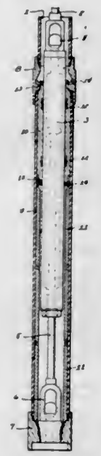
1. An inflatable rubber toy comprising sheets of rubber joined to each other in one region, and a doubled sheet of rubber between the other sheets having each leaf of materially less area than the adjacent sheet and having its folds joined respectively to them in another region of the toy.

1,504,080. AUTOMATIC CONTROLLER. ALFRED ROESCH, Brooklyn, N. Y., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 26, 1921. Serial No. 448,284. 3 Claims. (Cl. 236—44.)



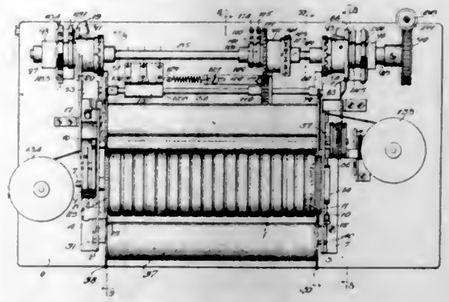
1. An automatic controller comprising a stationary support, operating means including a member movably mounted upon said support, a thermo-sensitive member carried by said stationary support for actuating said movable member in one direction, and a second thermo-sensitive member mounted upon said movable-member, said second thermo-sensitive member being movable bodily with said movable member, relatively to said first thermo-sensitive member which is mounted upon said stationary support, said second thermo-sensitive member having an operative movement opposite to that of the first thermo-sensitive member and actuating said operating means in said opposite direction.

1,504,081. OIL-WELL PUMP. CHARLES C. SCHARPENBERG, Bakersfield, and LEROY G. GATES, Whittier, Calif. Filed Nov. 2, 1923. Serial No. 672,407. 8 Claims. (Cl. 103—179.)



1. An oil well pump comprising a shell; a working barrel secured within said shell and extending for a portion of the length thereof, said shell having an annular interior groove of curved cross sectional contour adjacent each end of said barrel; and a plunger fitting closely within and operating through said barrel, said plunger having a length greater than that of said barrel.

1,504,082. METER. RUDOLPH F. SCHUCHARDT, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed May 20, 1921. Serial No. 471,201. 39 Claims. (Cl. 234—5.5.)

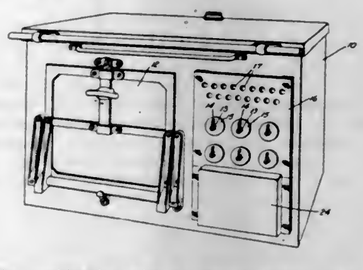


1. In combination, a meter for measuring unitary values of a variable, a constantly driven shaft, a type wheel adapted to be advanced progressively in steps corresponding to the registration of units on such meter, advancing means for said type wheel, and means controlled by said meter for clutching said shaft to said advancing means.

7. In combination, a meter for measuring unitary values of a variable, a printing wheel, an electrical circuit controlled by said meter for advancing said printing wheel in steps corresponding to the unitary values registered by the meter, time controlled means for periodically opening said circuit independently of the advancing of said printing wheel, and for printing an indication on said printing wheel.

17. In combination, a rotatable drum having printing characters, a shaft journaled parallel to said drum, means co-operating with the parallel shaft for printing a record from said drum, a power shaft parallel to said first shaft, and time controlled means governing the connection of said parallel to said power shaft for operating said printing means.

1,504,083. ELECTRIC HEATER. JACOB L. SHROYER, Chicago, Ill., assignor to Edison Electric Appliance Company, Inc., a Corporation of New York. Filed June 14, 1922. Serial No. 568,233. 4 Claims. (Cl. 219—35.)

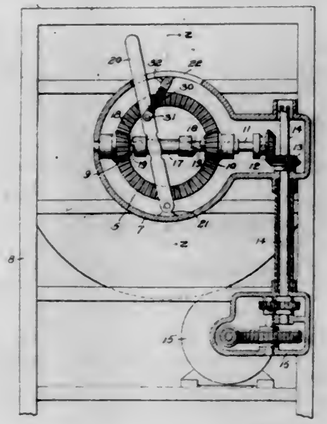


1. The combination with an electric heater, of a chamber exposed to the heat thereof, and circuit control means for said heater mounted in said chamber, said chamber being provided with apertures to permit the circulation of cooling air therethrough.

1,504,084. REVERSING MECHANISM FOR WASHING-MACHINE DRIVES. JOHN R. SPENCER, Erie, Pa. Filed June 26, 1920. Serial No. 391,882. 10 Claims. (Cl. 74—50.)

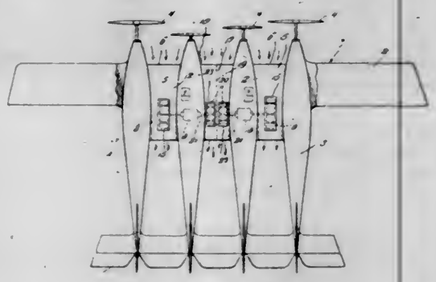
1. In combination with the rotatable element of a washing machine, a driving shaft, means between said shaft and said element for imparting rotation to the

element first in one and then in the other direction, a stationary member, a rotatable member revoluble with



said element and continually meshing with said stationary member, and a device actuated by said rotatable member for controlling the operation of said means.

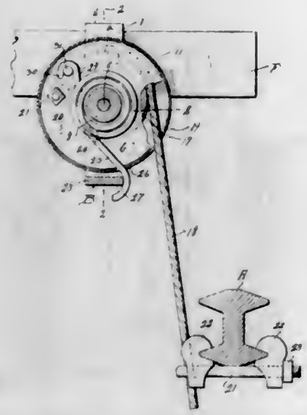
1,504,085. POWER-GENERATING ATTACHMENT FOR AIRPLANES. GAVIN ROY BIBRELL, Salt Lake City, Utah. Filed Feb. 29, 1924. Serial No. 695,956. 2 Claims. (Cl. 244—1.)



1. A power generating attachment for aeroplanes whereby the aeroplane comprises a plurality of spaced bodies including air conducting members mounted between the bodies, electric generators mounted in the bodies and having shaft extensions projecting and having bearing in said air conducting members, and rotatable elements mounted in said air conducting members adapted to be operated by the air passing therethrough, said air conducting members having means for concentrating the air received therein against the rotatable element for operating the same.

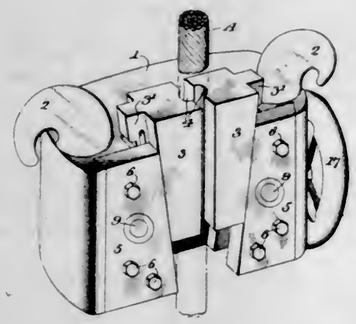
1,504,086. SNUBBER. GLEN C. BRADFORD, Tulsa, Okla. Filed May 8, 1922. Serial No. 559,380. 5 Claims. (Cl. 267—10.)

1. In combination with two members of a vehicle, one of said members constituting the frame of a vehicle and the other an axle, a snubber comprising a circular disk rotatably supported by one of the members and provided on one side inwardly of its peripheral edge with a spiral cam having a groove in its peripheral surface, the high point of the cam being normally above the axis of the disk and the lower point being normally below said axis, a spring at the other side of the disk placed under tension by rotation of the disk in one direction to rotate the disk in the opposite direction, and a flexible member



secured to the disk and to the second member, said flexible member engaging in the groove in the peripheral surface of the cam.

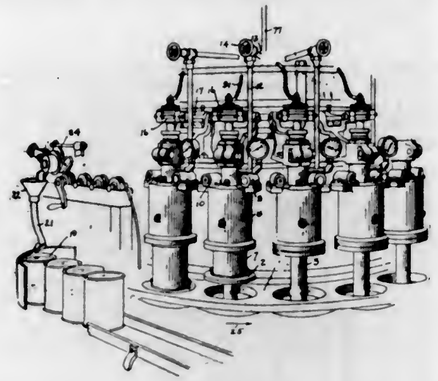
1,504,087. WIRE-LINE CLAMP. JUDSON ROY BRADY, Arkansas City, Kans. Filed Jan. 5, 1924. Serial No. 684,521. 8 Claims. (Cl. 24—136.)



1. A wire clamp comprising a body, slidably mounted clamping jaws carried thereby, a rack on each of said jaws, shafts carrying pinions meshing with said racks, worm gears on said shafts, and an operating shaft having worms meshing with said worm gears.

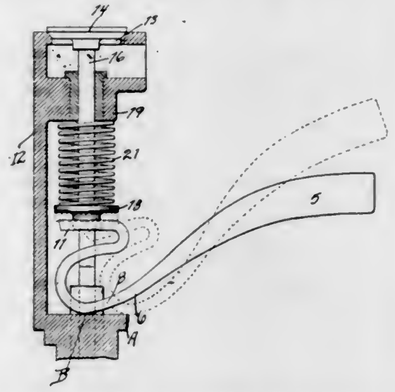
1,504,088. PROCESS FOR SEALING CONTAINERS IN VACUUM. MANFRED BRANSTEN, San Francisco, Calif.; H. V. Brandenstein administrator of the said Manfred Bransten, deceased. Filed May 31, 1923. Serial No. 642,466. 2 Claims. (Cl. 113—82.)

1. The process of sealing in vacuum double seamed cans having a puncture in one end, which consists of the following series of automatic steps first placing a portion of solder adjacent said puncture, then and while traveling in a cylindrical path, removing the can to a platform, then advancing the can within a chamber and closing the chamber with the platform, then exhausting the chamber and therefore the can, then heating the



solder and causing it to flow to close the puncture, then allowing the solder to cool and then admitting air to the chamber.

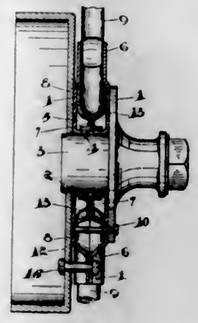
1,504,089. VALVE-LIFTING TOOL. LEWIS HASTINGS BRISBIN, Berkeley, Calif., assignor of one-third to Anthony Jorski, Livermore, Calif., and one-third to T. Fred M. Cade, Oakland, Calif. Filed Feb. 28, 1923. Serial No. 621,926. 1 Claim. (Cl. 29—86.3.)



In a valve spring lifter, a handle, a flattened portion integral with said handle, said flattened portion being twice reversely bent upon itself so that the ends of said flattened portion lie in a plane parallel to the point of juncture of said flattened portion and said handle, said flattened portion being bifurcated, substantially as and for the purpose specified.

1,504,090. HUB AND SPOKE CONNECTION. ARTHUR M. BRODIE, Toronto, Ontario, Canada, assignor to The Kemp Metal Auto Wheel Co., Limited, Toronto, Canada. Filed Mar. 16, 1922. Serial No. 544,195. 3 Claims. (Cl. 301—84.)

3. In a vehicle wheel, the combination of a pair of hub sections; spoke supporting means provided with sockets located between and positioned by the hub sections, the portions of the hub sections adjacent their peripheries also being shaped to form between them continuations of said sockets, said continuations having their greatest width substantially in the plane of the



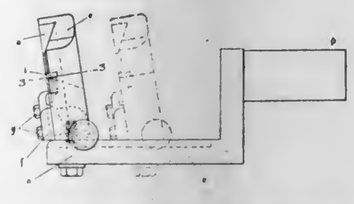
contacting surfaces of the hub sections; a plurality of spokes having their inner ends received in said sockets; and means for securing the hub sections together.

1,504,091. LOCOMOTIVE DRIVEN BY STEAM AND INTERNAL-COMBUSTION ENGINES. JACOB BUCHLI, Baden, Switzerland. Filed Apr. 11, 1923. Serial No. 631,311. 4 Claims. (Cl. 105—37.)



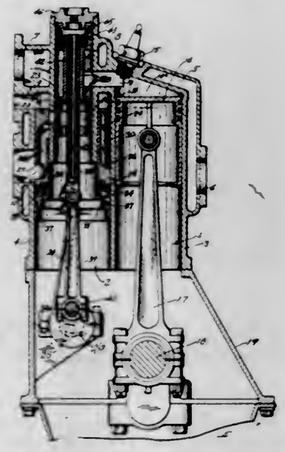
4. A combined internal combustion and steam locomotive comprising in combination a group of at least two internal-combustion cylinders mounted substantially horizontally in a common frame, and fluid cylinders, said cylinders driving a drive axle through cranks similarly set at uniform mutual angles about said axle, whereby the distribution of the centrifugal forces due to said cranks about the radius of gyration of said axle results in a good running balance of said axle.

1,504,092. TURNING TOOL FOR TURRET AND AUTOMATIC LATHES AND THE LIKE. ETTORE BUGATTI, Molsheim, France. Filed Aug. 25, 1921. Serial No. 495,298. 3 Claims. (Cl. 82—35.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



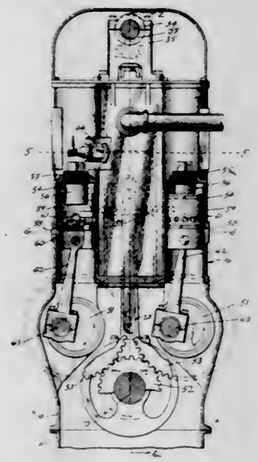
1. A cutting tool consisting of a ring whose interior diameter is considerably larger than the diameter of the work and having a gap therein and bounded by two planes, one of which forms at the interior of the tool a longitudinal cutting edge parallel to the axis and a transverse cutting edge perpendicular to the longitudinal cutting edge, said ring also being narrower at its inner periphery than at its outer periphery.

1,504,093. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Oct. 14, 1920. Serial No. 416,963. 14 Claims. (Cl. 123—75.)



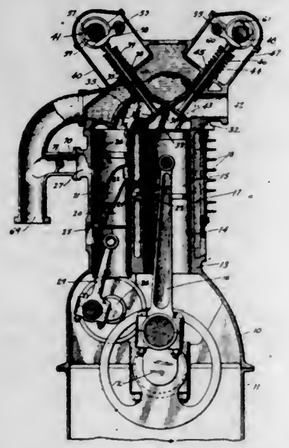
2. The combination in an internal combustion engine, of a working cylinder having a main port and an auxiliary port, and a valve mechanism having a passage cooperating with said main port to form both a fuel inlet and spent gas discharge, said valve mechanism also cooperating with said auxiliary port to form an auxiliary fuel inlet and spent gas discharge.

1,504,094. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Jan. 21, 1922. Serial No. 530,832. 3 Claims. (Cl. 123—79.)



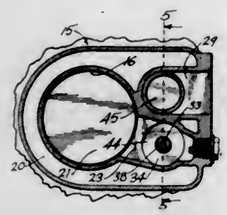
1. In an internal combustion engine, a cylinder block having a combustion chamber, a pair of manifold selector cylinders arranged to the sides of said combustion chamber, precompression cylinders arranged adjacent to said manifold selector cylinders, there being ducts formed in a head for establishing communication between the chambers in the manifold selector cylinders and the combustion chamber, there being inlet and exhaust ducts formed in the walls of the manifold selector cylinders, and there being ports that establish communication between the chambers within the precompression cylinders and the lower portion of the combustion chamber.

1,504,095. SUPERCHARGING AUXILIARY-EXHAUST POPPET-VALVE MOTOR. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 9, 1922. Serial No. 535,201. 9 Claims. (Cl. 123—75.)



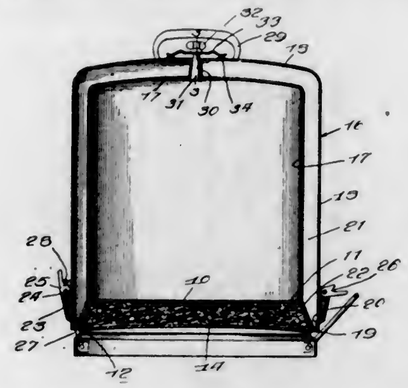
3. In an internal combustion engine, a combustion chamber having a pair of valve controlled fuel inlet openings, a valve controlled compressed fuel inlet opening, a valve controlled exhaust opening, there being an exhaust opening leading from the lower portion of said combustion chamber, and a piston valve controlling said last mentioned exhaust opening and which piston valve is utilized for compressing gaseous fuel and forcing the same through the compressed fuel inlet opening that leads into the combustion chamber.

1,504,096. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Feb. 23, 1922. Serial No. 538,754. 18 Claims. (Cl. 123—79.)



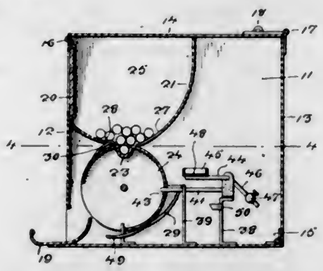
4. An internal combustion engine having a combined inlet and exhaust port and a piston valve and selector both arranged for reciprocatory operation adjacent to each other for controlling the admission of gaseous fuel through said port into the combustion chamber and the discharge of burnt gases and products of combustion from said combustion chamber.

1,504,097. FIRELESS COOKER. EUGENE ROY CARPENTER, Ansonville, N. C. Filed Mar. 31, 1923. Serial No. 629,204. 8 Claims. (Cl. 220—9.)



1. A fireless cooker having a base formed with a downwardly and outwardly inclined peripheral face, and a cover having a side wall, the inner face of the side wall at its lower margin being downwardly and outwardly inclined to fit the peripheral face of the base, and means for detachably engaging the cover with the base, said means being resilient to permit the cover to raise from the base.

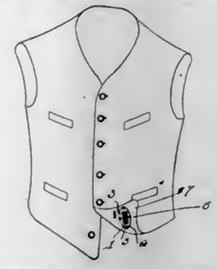
1,504,098. PENCIL-DISPENSING MACHINE. HARDY L. CATHEY, Clinton, Okla. Filed Nov. 27, 1922. Serial No. 603,606. Renewed June 24, 1924. 4 Claims. (Cl. 194—48.)



1. In a vending machine, the combination with a casing having a supply compartment, and a delivery drum mounted for rotation beneath the compartment, of means for normally holding the drum stationary, a coin chute arranged within the casing, coin actuated means for releasing said drum, and including a coin receiving tray normally disposed beneath said chute and adapted to be depressed by the weight of a coin to a predetermined position, means for further depressing said tray incident to the rotation of the drum, means for removing the coin from the tray as it reaches its final position, and means for automatically returning said tray to its normal position.

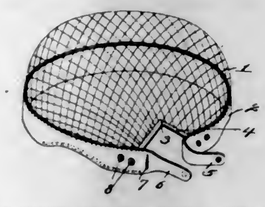
1,504,099. MATCH SCRATCHER. NIELS CHRISTENSEN, Astoria, Oreg. Filed Oct. 14, 1922. Serial No. 594,632. 1 Claim. (Cl. 44—48.)

As a new article of manufacture, a match scratcher in the form of a plate characterized by an exterior longitudinal central depression having for its bottom a scratching surface and also characterized by smooth deflections at the opposite sides and the opposite ends of the depression and scratching surface whereby the device as a whole is given a concavo-convex form in length



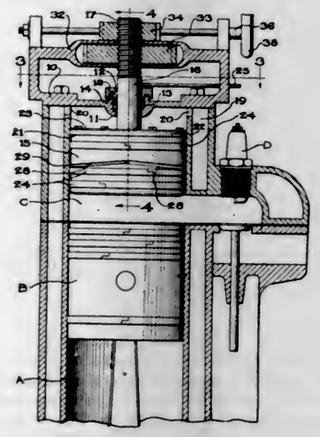
and width; the said deflections each being provided with a transverse aperture, and the concave rear side of the scratcher being adapted to snugly receive the cloth of a vest or other garment.

1,504,100. HAIR PROTECTOR AND CONFORMER. JOSEPH DANUBIO, East Weymouth, Mass. Filed Dec. 14, 1922. Serial No. 606,899. 3 Claims. (Cl. 132—49.)



1. A hair protector and conformer comprising a head encircling band inelastic adjacent the upper edge and having a lower elastic portion, and a hair protecting member secured to said upper edge.

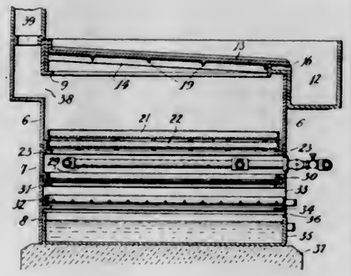
1,504,101. ENGINE. ALF H. DAVIDSON, Chippewa Falls, Wis. Filed July 26, 1922. Serial No. 577,624. 2 Claims. (Cl. 123—48.)



1. The combination with an internal combustion engine cylinder, a vertically adjustable abutment arranged therein, of a pair of brackets supported on the cylinder, a shaft journaled therein, a threaded stem movable through the cylinder and connected with the abutment, a worm wheel carried thereby, a worm on the shaft en-

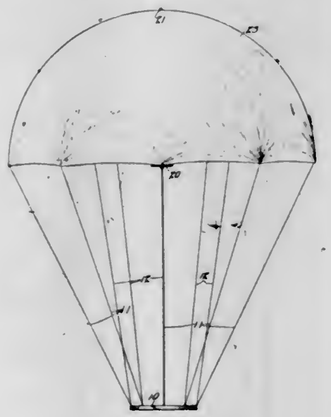
gaging the worm wheel, a second worm wheel on the threaded stem, a worm formed on the other shaft and engaging said secondary worm wheel, whereby to lock the stem in adjusted position, and a horizontally arranged elongated yoke supported by the bracket and said yoke receiving one of said worm wheels to hold it in place.

1,504,102. APPLIANCE FOR BROILING, COOKING, AND TOASTING FOODSTUFFS. WILLIAM C. DAVIS, Prabran, near Melbourne, Victoria, Australia. Filed Aug. 7, 1923. Serial No. 656,226. 10 Claims. (Cl. 126—41.)



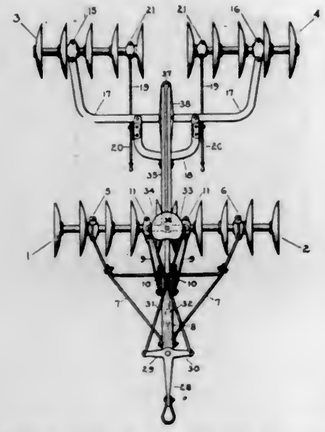
3. A food cooking appliance comprising, a casing having fuel burners arranged therein, two superimposed corrugated and reversible plates mounted in said casing above said burners, slots being formed in said plates for the passage of heated air and gases and a broiler grid mounted above said corrugated plates.

1,504,103. PARACHUTE. JOHN J. DAVIN and FRANK J. JICHA, Chicago, Ill. Filed Feb. 12, 1924. Serial No. 692,384. 10 Claims. (Cl. 244—21.)



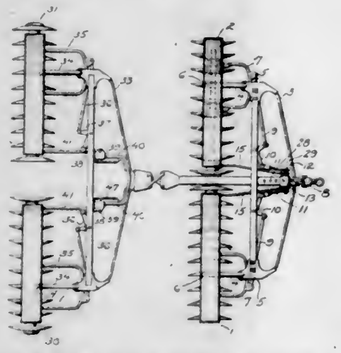
1. A parachute comprising a post, a cloth covering centrally secured to the top of the post, a hub secured to the post at a distance from the top, a series of main arms pivoted to the hub, auxiliary arms pivoted to the outer ends of the main arms, and means for holding the outer ends of the auxiliary arms in spaced relation to the main arms when the parachute is closed, and means for securing the outer edge of the cloth to the auxiliary arms adjacent to their outer ends, substantially as set forth.

1,504,104. DRAFT CONTROL FOR DOUBLE-CUT DISK HARROWS. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Oct. 25, 1920. Serial No. 419,236. 8 Claims. (Cl. 55—83.)



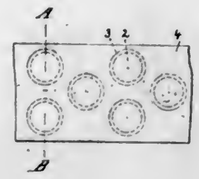
1. A tandem disk harrow having a front pair of gangs, a rear pair of gangs, means flexibly connecting the pairs of gangs, a draft member movable in response to the direction of the application of the draft force for pulling the harrow so that the member is guided by the draft force, and means associated with said member for positively and rigidly maintaining the rear pair of gangs in operating alignment with the front pair of gangs.

1,504,105. DISK HARROW. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Oct. 27, 1920. Serial No. 419,840. 5 Claims. (Cl. 55—83.)



1. A disk harrow having a frame, disk gangs connected to the frame by means of links, pivoted to the frame and to the respective gangs so that the gangs may swing on their pivot with the links, or the links may swing on their pivot with the frame when the gangs are moved bodily, a U-shaped member carried by each gang, the base of the U being arcuate and being movable along a bearing surface on the frame, links connected to the inner ends of the gangs, linkage mechanism connected directly with said U-shaped member, and means for operating said links and linkage mechanism in unison to angle the gangs and move them bodily at the same time.

1,504,106. AIRCRAFT CONSTRUCTION. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to the Firm: Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Feb. 7, 1924. Serial No. 691,193. 2 Claims. (Cl. 244—31.)



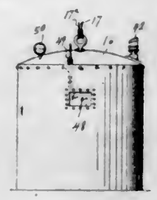
1. As a new article of manufacture, a compound material for use in the construction of hollow bodies for aviation purposes, comprising the combination of a comparatively thick metal sheet or strip with comparatively large perforations, the edges of which are turned up to project all above one surface of such sheet or strip, with a piece of very thin sheet metal fixed to the other surface of said thick sheet or strip and closing the perforations, one surface of the compound sheet or strip being perfectly smooth.

1,504,107. FLYING-MACHINE CONSTRUCTION. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm: Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Feb. 7, 1924. Serial No. 691,194. 6 Claims. (Cl. 244—31.)



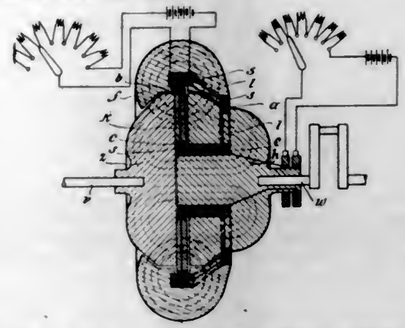
1. The combination, with the hull and the bearing or guide plane of a flying machine, of a single strut fixed to said plane and extending into and being fastened in a cavity provided and extending in the plane of symmetry of said hull.

1,504,108. BLEACHING AND SWEATING APPARATUS FOR DEHYDRATING MATERIALS. JOHN H. ELSPASS, Wichita, Kans., assignor of one-third to M. Josephine Maloney, Oklahoma City, Okla. Filed Feb. 9, 1922. Serial No. 535,420. 15 Claims. (Cl. 34—30.)



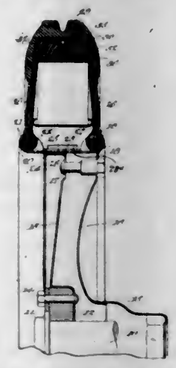
1. A step in the process of dehydrating fruit and vegetables consisting in subjecting the fruit and vegetables from three to five minutes in a closed chamber to steam at a temperature of approximaely 102° F.

1,504,109. MAGNETO-ELECTRIC COUPLING. RICHARD ERBAN, Vienna, Austria. Filed Oct. 26, 1920. Serial No. 419,711. 12 Claims. (Cl. 172—239.) (Granted under the provision of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an electromagnetic coupling, the combination of a body of magnetic material cooperative with a driving shaft, means to produce a magnetic field in said body, a stationary body of magnetic material, means to produce a second magnetic field therein, and electric circuit through said bodies, and a conductor forming part of said circuit cooperative with a driven shaft, the said conductor being arranged so as to be exposed to the joint and simultaneous action of both magnetic fields.

1,504,110. RESILIENT WHEEL. CHARLES F. ERICKSON, Brooklyn, N. Y. Filed Feb. 11, 1922. Serial No. 535,871. 9 Claims. (Cl. 152—29.)

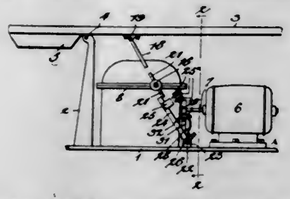


1. A resilient wheel comprising a pair of plates, the periphery of each of which is formed into a bead gripping member, means securing said plates together, means supported by said plates for holding the walls of a tire in expanded condition, a tire including beads for co-operation with said plates and said walls for co-operation with the holding means, a ring mounted in said tire and comprising a plurality of pivotally connected blocks, a resilient means for holding said blocks in predetermined relationship.

1,504,111. ATTACHMENT FOR CHIROPRACTIC TABLE. DOSSA D. EVINS, Davenport, Iowa. Filed Oct. 23, 1920. Serial No. 419,122. 2 Claims. (Cl. 128—73.)

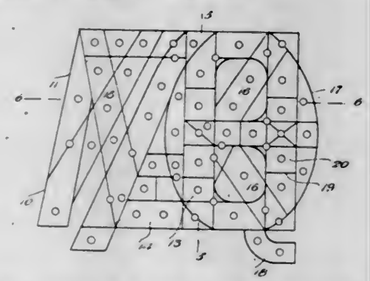
1. A chiropractic table comprising a base, a platform pivotally mounted upon said base, a gear box mounted on said base below said platform, gearing mounted in said gear box, a motor having its shaft extending into said gear box and provided with a worm for operating said gearing, arms operable by said gearing, connecting

rods operable by said arm and having pivotal connection with said platform, an electric switch for controlling the operation of said motor, foot actuated means for closing said switch to cause movement of said platform in either



direction, and spring controlled automatic means for opening said switch upon the limit of movement of said platform in either direction, and a brake device automatically operable by the closing of said switch for overcoming the momentum of said platform.

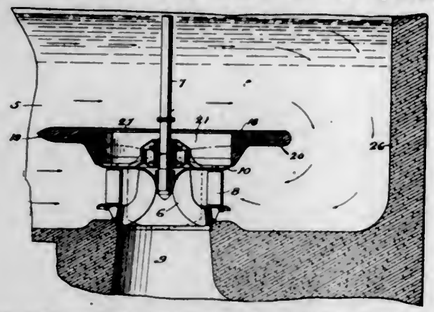
1,504,112. ELECTRIC SIGN. ARTHUR L. FAULKNER, Smithfield, N. C. Filed Apr. 5, 1920. Serial No. 371,355. 1 Claim. (Cl. 40—130.)



A sign comprising a base, vertically arranged spaced channels located at one end of the base, horizontally arranged channels connecting the vertical channels at their ends and at a point intermediate thereof, inclined channels extending from one side of one of the vertical channels at its point of connection with the intermediate horizontal channels and connecting with the other vertical channel at the point of connection of the latter with the horizontal end channels, other horizontal channels extending from the side of the vertical channel opposite the first mentioned horizontal channels and in line therwith, inclined channels connecting the other horizontal channels and connecting each other, an inclined channel extending substantially parallel with one of the inclined channels last named and crossing the other thereof, an end inclined channel member having connection with each of the channel members last named, certain of said channel members crossing each other and providing partitions dividing each of the channels into separate compartments, short partition plates dividing said channels into other compartments, and lamps arranged in said compartments.

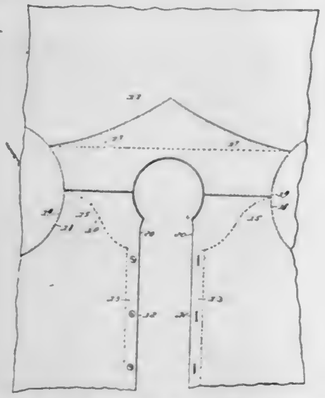
1,504,113. TURBINE INSTALLATION. JOHN H. FELTHOUSEN, deceased, late of York, Pa., by BIRDIE J. FELTHOUSEN administratrix, Baltimore, Md., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Original application filed Dec. 20, 1919. Serial No. 346,253. Divided and this application filed Oct. 30, 1923. Serial No. 671,782. 16 Claims. (Cl. 253—125.)

1. In a turbine installation, the combination with a flume, of a wheel organization having water operated driving means, and a closure structure extending fully across the flume between the side walls thereof and having the wheel organization enclosed therein, the wheel organiznation and closure structure being submerged in the flume, the said closure structure being provided with reversely arranged partial scroll units cooperating



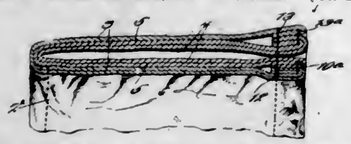
with the front and rear portions of the said driving means for controlling a proportional supply of water to different portions of the driving means to maintain free rotation of the latter in one direction.

1,504,114. YOKE CONSTRUCTION FOR SHIRTS. CLARENCE M. FLORA, Oklahoma City, Okla. Filed Dec. 15, 1922. Serial No. 607,128. 2 Claims. (Cl. 2—92.)



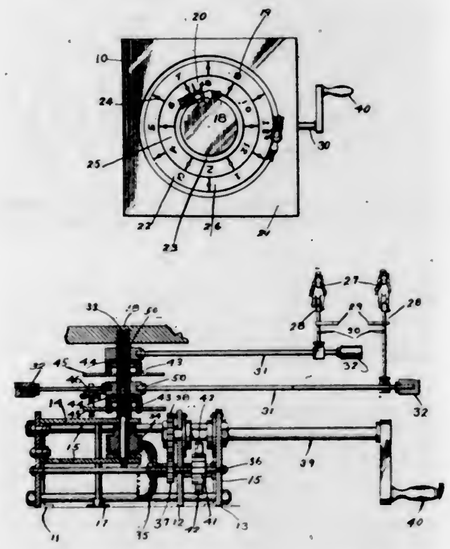
1. As an article of manufacture, a reinforcing lining yoke for the neck portion of a garment having an opening at the front, consisting of a blank of material comprising a body portion to extend across the back of the neck of the garment and conforming to the shoulders thereof, the body portion having a neck opening and front extensions to overlap at the front of the neck, said front extensions merging into reinforcing strips to be secured to the opposite portions of the opening at the front of the garment, thereby reinforcing the button and buttonholes.

1,504,115. FOLDING REVERSIBLE FRENCH CUFF. CLARENCE M. FLORA, Oklahoma City, Okla. Filed Aug. 1, 1923. Serial No. 655,118. 2 Claims. (Cl. 2—133.)



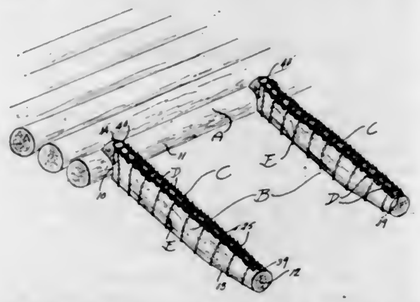
2. A reversible semi-stiff fold cuff consisting of a plurality of thicknesses of fabric extending the full width and length of the cuff, and an additional thickness of fabric constituting a stiffener within the cuff and extending the full width of the cuff and from the inner edge toward the fold and having a flat unfolded terminal edge adjacent to but short of the fold line, whereby the inner half of the cuff may be stiffened with the outer half left soft.

1,504,116. AMUSEMENT APPARATUS. JOSEPH FRANK, New York, N. Y. Filed Sept. 23, 1922. Serial No. 590,162. 4 Claims. (Cl. 46—56.)



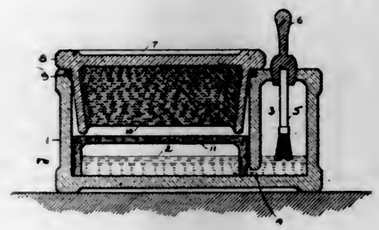
1. An amusement apparatus, comprising a plurality of objects, a pointer on each of said objects, a dial for co-action by each of said pointers driven units which move on anti-friction devices and each of said driven units having weighted arms on one of which arms of each driven units is arranged one of said objects, and means for effecting the rotation of said driven units, said means including make and break devices carried by each of said driven units for co-action with said arms.

1,504,117. ANTISLIPPING DEVICE FOR SKIDS. ROBERT FRIEDLEY, Edmonton, Alberta, Canada. Filed Nov. 9, 1922. Serial No. 599,827. 1 Claims. (Cl. 193—41.)



1. In a logging guideway, the combination of a skid member, an anti-slip chain for said skid member, and means for attachment of said anti-slip chain to said skid member.

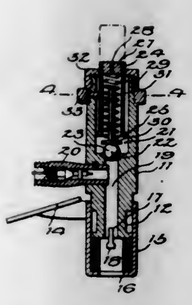
1,504,118. ADHESIVE POT. FREDERICK H. GANSE, Tulare, Calif. Filed July 15, 1919. Serial No. 311,022. 8 Claims. (Cl. 91—67.1.)



1. A paste pot comprising a liquid container, a paste container above said liquid container, and removable means therebetween to carry the moisture into proximity to said paste.

5. A paste pot comprising a water containing vessel, an inverted cup for paste, inserted into said vessel, and an inverted cup of porous material in said vessel and under said paste container.

1,504,119. TIRE-PRESSURE DEVICE. OSWALD H. HANSEN, Elmhurst, N. Y. Filed July 20, 1922. Serial No. 576,325. 4 Claims. (Cl. 137—53.)

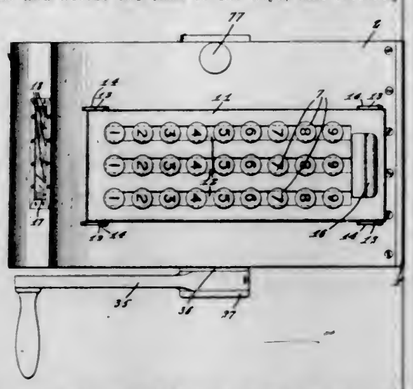


4. In a pressure gage of the character described, a valve, a spring for holding said valve to its seat, an indicating member movable toward and from said valve for varying the tension of said spring, means for locking said indicating member in an adjusted position, said means comprising a locking plate movable transversely of said indicating member, said locking plate having a cam surface, and a ring formed with a cam surface coacting with the cam surface on the plate for moving the plate so that it will press against said indicating member when the ring is moved in one direction and will release the pressure on the plate when moved in the opposite direction.

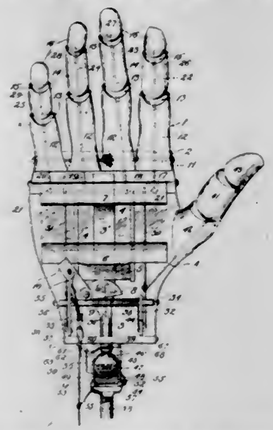
1,504,120. ADDING MACHINE. WALTER KARL HARRIS, Lockhart, Tex. Filed Nov. 19, 1921. Serial No. 516,423. 10 Claims. (Cl. 235—79.)

1. In an adding machine a plurality of depressible keys arranged in columns, disks mounted for rotation, peripheral projections thereon, a carrying bar actuated

by the user for movement in a path concentric with the disks and across the ends of the keys, and laterally tiltable channeled coupling devices carried by said carrying bar and shiftable by the depressed keys for engaging predetermined projections upon the respective disks.



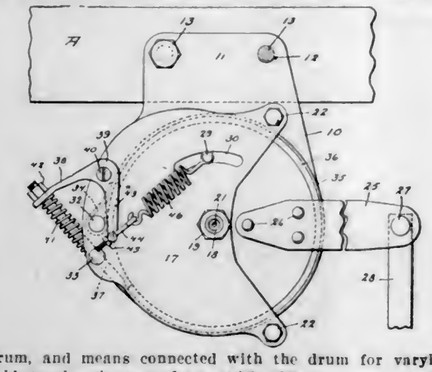
1,504,121. ARTIFICIAL LIMB. ROMAINE R. HARRIS, Los Angeles, Calif., assignor, by direct and mesne assignments, to Natural Function Limbs Company, a Corporation. Filed Sept. 25, 1917. Serial No. 193,196. Renewed Dec. 18, 1922. 24 Claims. (Cl. 3—12.)



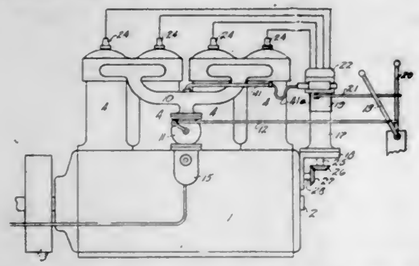
1. An artificial limb comprising a shoulder rest, having a floor connected therewith and arranged for accommodation of the stump, a humerus member flexibly carried by said floor, a radius member flexibly connected to said humerus member, a hand section flexibly connected to said radius member, a locking means for each of the flexible connections, a means for moving the hand section, means on the floor of the shoulder rest and controllable by the movement of the stump for operating said hand section, moving means and locking means, means controllable by the shoulder movement for moving the radius member, and a covering for the radius and humerus member.

1,504,122. SHOCK ABSORBER. ROY H. JACKSON, Oakland City, Ind. Filed Oct. 31, 1923. Serial No. 671,958. 10 Claims. (Cl. 188—130.)

1. A shock absorber for vehicles comprising a support stationarily mounted upon one portion of a vehicle, a drum rotatably mounted upon the support and connected with an element of the vehicle capable of movement with respect to the first named portion, a friction band encircling the drum and having one end anchored to the support, means for applying spring tension to the other end of the band tending to constrict the band about the drum, and means connected with the drum for varying said tension in accordance with the movement of the drum.

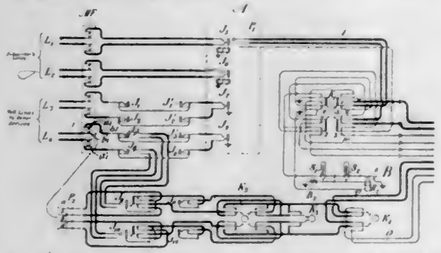


1,504,123. IGNITION CONTROLLER. WILLIAM O. KENNINGTON, Anderson, Ind., assignor to Remy Electric Company, Anderson, Ind. Filed Jan. 7, 1915, Serial No. 285,835. Renewed Mar. 28, 1919. 32 Claims. (Cl. 123—117.)



1. An ignition controller, including the combination with an internal combustion engine, of ignition timing means timer controlling means actuated by the vacuum in the intake pipe of said engine, second timer controlling means actuated by the speed of said engine and cooperating with said vacuum actuated means, and a manually operated timer controlling means.

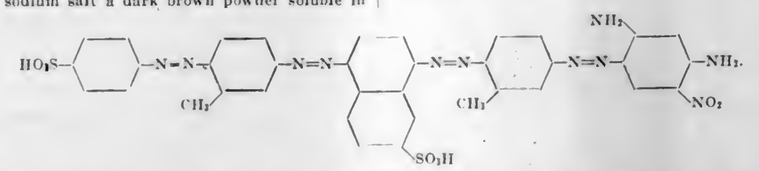
1,504,124. ELECTRICAL TESTING SYSTEM. GEORGE W. KUHN, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 7, 1920. Serial No. 356,836. 5 Claims. (Cl. 179—175.)



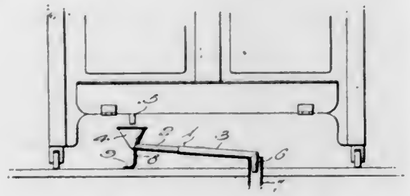
3. In a testing system, the combination of a plurality of line circuits, a plurality of test trunks extending from a test desk to a switchboard each adapted for connection with any line circuit, a plurality of testing circuits and a plurality of switching means individual to each test trunk to connect the respective trunk with any of said testing circuits.

1,504,125. TETRAKISAZO DYES. WERNER LANGE, Berlin-Friedenau, and LUDWIG NEUMANN, Berlin, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Aug. 23, 1922. Serial No. 583,909. 4 Claims. (Cl. 260—70.)

4. The herein-described tetrakisazo dye being in the shape of its sodium salt a dark brown powder soluble in water to a reddish brown solution not being altered by soda lye but from which the dye is separated by hydrochloric acid, being insoluble in alcohol, ether, benzene, being destroyed by strong reducing agents dyeing cotton reddish brown tints and corresponding to the general formula:

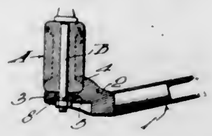


1,504,126. REFRIGERATOR DRAIN PIPE. CLARENCE KING LASSELL, East Providence, R. I. Filed Oct. 11, 1923. Serial No. 668,003. 1 Claim. (Cl. 137—9.)



A device of the class described comprising a pipe adapted to be disposed in an inclined position under a refrigerator and having its lower end turned downwardly for loose disposition in the upper end of a drain pipe or the like, an upwardly opening funnel secured to the upper end of said inclined pipe for disposition directly under the drip outlet of the refrigerator, a substantially flat supporting plate secured to the lower side of the upper end portion of said inclined pipe under said funnel, said plate extending transversely of said inclined pipe and having a wide straight lower edge to rest upon the floor to support said inclined pipe in an inclined position with said funnel disposed with its mouth facing upwardly, said plate being readily bendable intermediate of its upper and lower edges on a line parallel to its lower edge to provide a laterally extending supporting foot.

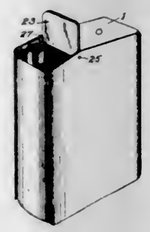
1,504,127. FRONT-AXLE RADIUS ROD. BOLIVAR L. LIGHT, Rogers, Ark. Filed Aug. 24, 1923. Serial No. 659,200. 4 Claims. (Cl. 267—66.)



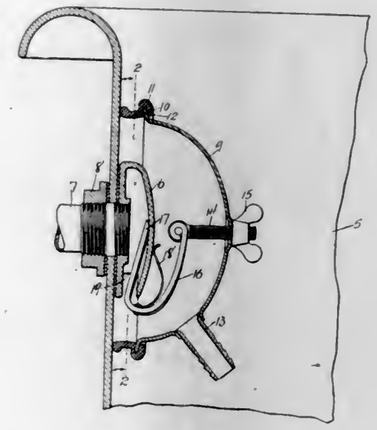
1. A front axle radius rod having a lip to extend under the axle and a shoulder to abut the rear side of the axle, said lip having a cavity in one side, and an eccentric in said cavity having an opening to receive the usual radius rod attaching bolt, said eccentric being adapted for rotary adjustment in said cavity to vary the space between its bolt hole and said shoulder and insure tight contact of the latter with the axle.

1,504,128. CIGARETTE CASE. CARL GABRIEL LINDBOM, Dover, N. H. Filed Mar. 3, 1922. Serial No. 540,695. 10 Claims. (Cl. 206—41.)

1. A cigarette case comprising a top, opposed sides projecting from said top and spaced to receive a cigarette package between them, and a tongue projecting from said top intermediate said sides for insertion between the package and its wrapper, said sides having inturned flanges cooperating with said tongue to frictionally grip the wrapper and hold the package in the case.

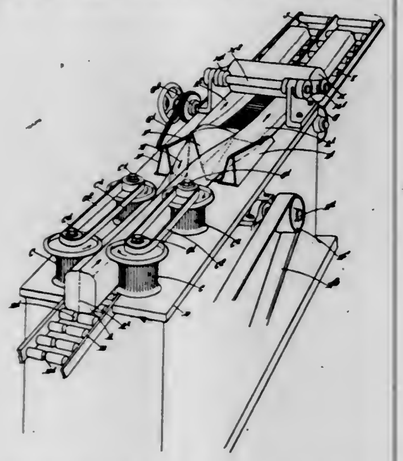


1,504,129. HOSE-ATTACHING DEVICE. LOUIS V. LUCIA, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 25, 1922. Serial No. 584,251. 8 Claims. (Cl. 4—148.)



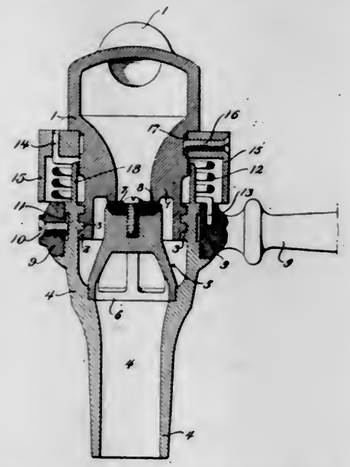
1. A hose attaching device comprising a shell having a hose attachment thereon, a member shaped for reception within the opening at one side of the bell-shaped inlet fixture to a receptacle, and a device attached to said member and projecting through the wall of the shell as a means for securing said member and shell in place.

1,504,130. MANUFACTURE OF SOLID RUBBER TIRES. COLIN MACBETH and HARRY WILLSHAW, Birmingham, England, assignors to The Dunlop Rubber Company, Limited, Westminster, London, England. Filed June 9, 1919. Serial No. 302,921. 9 Claims. (Cl. 164—61.)



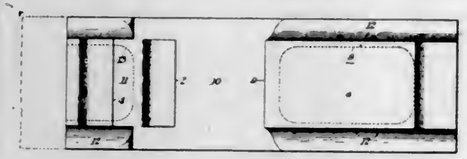
1. An apparatus of the class described comprising means for guiding and feeding a double solid rubber tire, a base for supporting the tire in its travel, a cutter positioned in the path of travel of a tire placed in said apparatus and adapted to divide the tire through its longitudinal center, and means for turning each of the sections thus formed about an axis parallel with its path of travel to cause it to move resting upon its cut surface.

1,504,131. NOZZLE-OPERATED FAUCET. JOHN MACKAY, Audubon, N. J., assignor to Thomas Savill's Sons, Philadelphia, Pa. Filed Dec. 8, 1922. Serial No. 605,553. 6 Claims. (Cl. 251—115.)



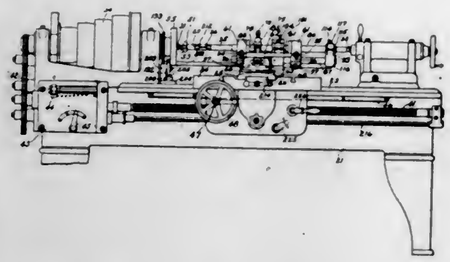
5. A nozzle operated faucet comprising a neck having recesses; a housing; means for securing the housing to a selected recess in the neck; a valve; a nozzle having recesses; a handle; means for securing the handle to a selected recess in the nozzle, and a spring connected with the housing and handle for automatically moving the nozzle to effect a closing of the valve.

1,504,132. SLIDE PLATE. ANDREW MORRISON, Penn Township, Allegheny County, Pa., assignor to Dilworth, Porter and Company, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 12, 1923. Serial No. 638,502. 8 Claims. (Cl. 246—453.)



1. A slide plate having on its upper face a rail supporting portion and a switch tongue supporting portion, the lower face of the plate having a greater effective tie-engaging surface per unit of area under the rail supporting portion than at the other portions of the plate at each side of said rail supporting portion, substantially as described.

1,504,133. GROOVING ATTACHMENT FOR LATHES. OSCAR W. MUELLER, Cincinnati, Ohio, assignor to The Mueller Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 28, 1923. Serial No. 635,356. 15 Claims. (Cl. 82—18.)

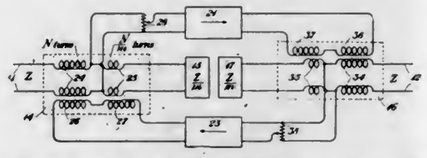


1. In a grooving attachment for a metal turning lathe, the combination with the carriage, the cross-slide and work-turning means of the lathe, of a tool-saddle on the cross-slide, a reciprocating tool support thereon reciprocating lengthwise of the axis of said work-turning means, a housing at the rear of the carriage, driving means thereon, connecting means between said driving means and said tool-support to reciprocate the latter, and cross-feeding means for said tool-support.

1,504,134. DISAZO DYE. WILHELM NEELMEIER and KARL HEUSSNER, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Apr. 14, 1923. Serial No. 632,131. 2 Claims. (Cl. 260—79.)

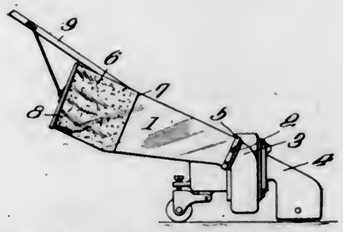
2. The herein described new azodye obtainable by combining the diazocompound of 5-amino-2-acetylamino-1-anisol with 1-amino-2-naphtholmethylether-6-sulfonic acid, redlazotizing, combining with 1-naphthol-4-sulfonic acid and splitting off the acetyl group, which dye is after being dried and pulverized in the shape of its sodium salt a black powder soluble in water with a greenish-blue and in concentrated sulfuric acid with a blue coloration; being split up upon treatment with stannous chlorid and hydrochloric acid into 2.5-diaminoanisol, 1.4-diamino-2-naphtholmethylether-6-sulfonic acid and 2-amino-1-naphthol-4-sulfonic acid; dyeing cotton blue shades giving a greenish-blue fast to washing and to light on being diazotized and developed with sodium naphtholate, substantially as described.

1,504,135. TELEPHONE REPEATER CIRCUITS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 2, 1921. Serial No. 497,842. 12 Claims. (Cl. 179—170.)



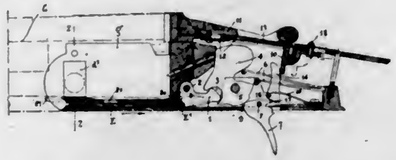
1. In a repeater circuit comprising transmission lines interconnected by one-way repeater paths including amplifiers and having balancing networks associated with the lines for rendering the outgoing side of one repeater path conjugate with respect to the incoming side of the opposite repeater path, the method of increasing the effective capacity of the amplifiers, which consists in decreasing the absorption of output energy in the balancing network and increasing the ratio of amplification of each amplifier to compensate for the consequent decrease in the absorption by each amplifier of input energy from the line.

1,504,136. SANITARY DUST BAG. LOUISE H. PATTERSON and HANNAH L. H. PATTERSON, Coronado, Calif. Filed Oct. 4, 1923. Serial No. 666,495. 3 Claims. (Cl. 183—44.)



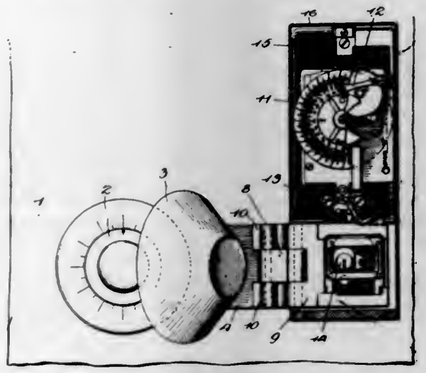
1. A dust bag for a vacuum cleaner composed mainly of non-porous paper and provided with a cloth portion for the egress of the air.

1,504,137. SPORTING GUN WITH SUPERPOSED BARRELS. BONIFACE PETRIK, St. Etienne, France, assignor to Société Petrik & Cie., St. Etienne, Loire, France. Filed July 24, 1922. Serial No. 577,073. 4 Claims. (Cl. 42—46.)



1. A gun or rifle with superposed barrels comprising hammers and lever means for cocking the hammers, a trigger, safety means for locking the trigger when the gun is open, pins connected with the cocking lever, vertical sliding parts movable upon and with said barrels, and under which the ends of the pins pass, a pusher provided on each side of the barrel-block, a spring pressing upon each pusher, a catch pivoted on each pusher, a projection of the barrel-block engaging each catch, an extractor rod operated by each pusher, shoulders provided at the ends of the sliding vertical parts, and springs pushed inwardly by the shoulders and unlocking the catch so as to release the extractor pushers.

1,504,138. RECORDING PROTECTOR FOR SAFE LOCKS AND OTHER OBJECTS. EDWIN SANFORD PHELPS, Montclair, N. J. Filed Sept. 7, 1923. Serial No. 661,486. 6 Claims. (Cl. 234—1.)



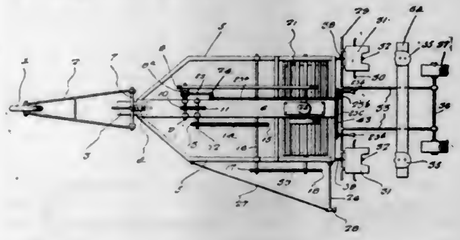
1. The combination with an element to be covered, of a movable cover for the element, a mechanically operable member connected with the cover to move it relatively to the covered element, and recording mechanism connected with the operable member for making a record of the movement of the cover to covering and also to uncovering positions.

1,504,139. DIAPHRAGM. WILLIAM F. R. PHILLIPS, Washington, D. C. Filed Sept. 16, 1921. Serial No. 501,026. 3 Claims. (Cl. 181—33.)



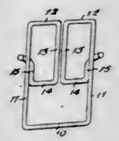
3. A diaphragm comprising at least four wooden sectors having the grain approximately radially symmetrically disposed around the center of the diaphragm in such manner that the grain is substantially perpendicular in each sector to the axis of symmetry of the sector.

1,504,140. CELERY PLANTER. LOUIS POLL, Hamilton, Mich., assignor of one-half to Alex Blenc, Hamilton, Mich. Filed Oct. 4, 1922. Serial No. 592,311. 2 Claims. (Cl. 111—3.)



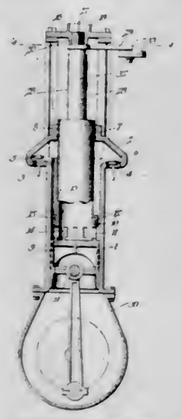
1. In an implement of the character specified, a plant-supporting platform, a furrow opening means depending therefrom, a seat in the rear of said platform, and foot rests for the occupant of said seat carried by said platform.

1,504,141. CLIP. NATHAN RITTER, Brooklyn, N. Y. Filed Apr. 11, 1923. Serial No. 631,413. 3 Claims. (Cl. 40—11.)



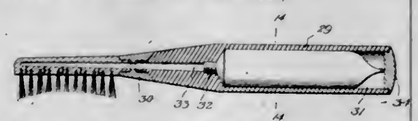
2. As a new article of manufacture, a clip constructed of a length of material bent upon itself to define a pair of clamping portions at opposite ends each having an entrance mouth disposed toward the opposite ends of said clip, and indicia bearing means carried by said clip disposed on opposite sides and at opposite ends of the clip.

1,504,142. INTERNAL-COMBUSTION ENGINE. ALBERT O. ROBERTS, New Kensington, Pa. Filed Apr. 12, 1922. Serial No. 551,808. 2 Claims. (Cl. 123—1.)



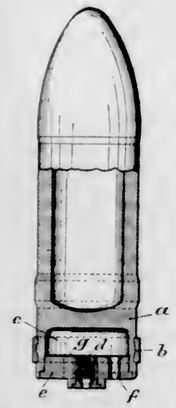
1. An internal combustion engine, comprising a main cylinder having a port for the entry of air and also having a port for the discharge of products of combustion, valves to control said ports, a piston arranged to work in said cylinder, a cylinder arranged in and spaced from the main cylinder, and movable rectilinearly with the piston and about its axis independently of the piston, the latter to control communication between its interior and the space between it and the main cylinder, means closing the second-named cylinder, means to supply the second-named cylinder with explosive mixture; said means including a tube and a valve controlling communication between said tube and the interior of the second-named cylinder, a sleeve surrounding said tube, an operating arm on said sleeve, a saddle in the second-named cylinder, and guide means on said sleeve and engaging said saddle.

1,504,143. TOOTHBRUSH. WILLIAM ELLSWORTH ROBERTS, Kenosha, Wis. Filed Apr. 7, 1922. Serial No. 550,337. 2 Claims. (Cl. 15—135.)



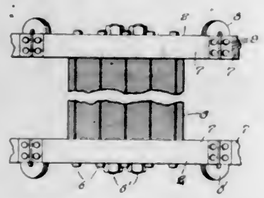
1. A tooth brush comprising a brush head having paste outlets, a resilient barrel attached to said head, and a collapsible tube of paste wholly supported within the barrel and collapsed by the compressing of the resilient barrel.

1,504,144. PROJECTILE. HEINRICH ROMBERG, Dusseldorf, Germany, assignor to the Firm of Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed June 28, 1921. Serial No. 481,067. 2 Claims. (Cl. 102—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



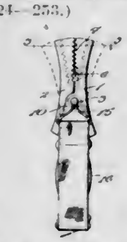
2. A projectile having a space to contain the driving charge, a base closing said space and formed with apertures having rounded edges, and a thin plate closing said apertures and located between said base and the driving charge.

1,504,145. DYNAMO-ELECTRIC MACHINE. GEORGE MAURICE ROTHENBERGER, Mansfield, Ohio, assignor to Ideal Electric & Manufacturing Company, Mansfield, Ohio, a Corporation of Ohio. Filed Apr. 4, 1922. Serial No. 549,374. 4 Claims. (Cl. 171—252.)



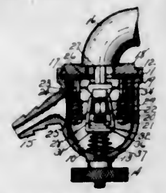
1. In a dynamo-electric machine, a squirrel-cage end-ring comprising a plurality of segments and resilient U-shaped connectors for said segments and secured rigidly thereto, said segments having their ends slotted tangentially to receive the ends of the connectors respectively.

1,504,146. STOCKING SUPPORTER. JOHN ROUPP, Hesston, Kans. Filed Feb. 4, 1924. Serial No. 690,527. 3 Claims. (Cl. 24—253.)



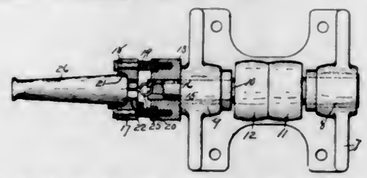
1. A device for the purpose set forth comprising mating jaws adapted to clasp a garment, a pivot pin connecting the jaws between the ends thereof, means housed between the jaws for yieldably holding the working ends thereof toward each other in engagement with a garment, and means on one end of the pivot pin for carrying a stocking supporter.

1,504,147. FAUCET REDUCER. WALTER H. RUDOLPH and LOUIS V. LUCIA, Hartford, Conn., assignors to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 4, 1922. Serial No. 541,034. 22 Claims. (Cl. 285—188.)



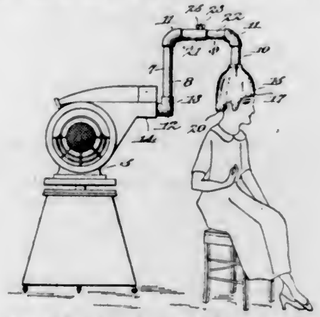
1. A reducer comprising a shell having an outlet, clamp levers mounted within the shell, a packing element at the end of the shell, said levers projecting through said packing element, and means for yieldingly forcing the clamp levers into clamped position and the packing element into packed position.

1,504,148. SCREW-EYE-AFFIXING MACHINE. WALTER H. RUDOLPH, West Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 27, 1923. Serial No. 621,584. 4 Claims. (Cl. 144—32.)



1. A screw-eye affixing machine including a rotatably mounted spindle having in its end means to engage opposite sides of a screw-eye to rotate it, and a plunger head mounted for reciprocating movement toward and from the spindle, said head being located for free access to receive a portion of a manually supported device with a screw-eye therein and said head having a cavity at its outer side for self-centering the device therein.

1,504,149. ATTACHMENT FOR HAIR-DRYING MACHINES. LOUIS RUFFIO, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,444. 7 Claims. (Cl. 34—26.)



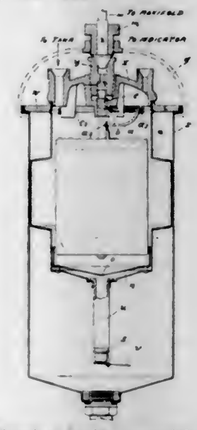
1. In a means for introducing a drying medium to the head in the process of waving the hair, a hood formed to fit cap-like upon the head, and a conduit opening at one end of the hood and formed at its free end for connection with the nozzle of a blower, said conduit formed of a pair of adjustable parts.

1,504,150. MANUFACTURE OF PAPER FOR PHOTOGRAPHIC PURPOSES. EDUARD SCHLOEMANN, Duren, Germany. Filed June 9, 1923. Serial No. 644,488. 6 Claims. (Cl. 91—69.)

2. In the process for the manufacture of paper for photographic purposes the production of a coating emulsion of sulphate of barium, which consists in bringing together Ba-ions and SO_4-ions in the presence of a protective colloid and allowing said emulsion of sulphate of barium to mature until a certain size of grain is obtained.

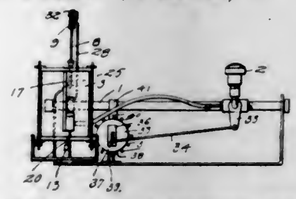
5. The process for the manufacture of paper for photographic purposes, which consists in mixing a heated solution of 500 gr. of chloride of barium in 10 litres of 20% watery gelatine with a solution of 300 gr. sulphate of ammonia in 2.5 litres of water, allowing said emulsion of colloidal distributed sulphate of barium in gelatine to stiffen, granulating, washing, re-melting and applying it to the raw paper.

1,504,151. VACUUM TANK FOR MEASURING PETROL CONSUMPTION. WILLY SECK, Berlin-Wilmersdorf, Germany. Filed May 15, 1922. Serial No. 561,233. 16 Claims. (Cl. 103—236.)



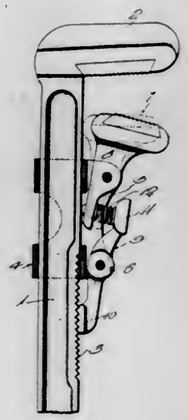
1. Liquid delivering device comprising in combination, a tank, a liquid controlling valve connected with said tank, a float in said tank, a pair of cooperative trip levers in engagement with said float and said valve, respectively, a knife edge on one lever resting on part of said tank and means for causing said levers under the influence of said float to change of a sudden their position and the operative position of said valve.

1,504,152. LAWN SPRINKLER. ALBERT N. SLACK, Bakersfield, Calif. Filed Nov. 11, 1922. Serial No. 600,374. 4 Claims. (Cl. 299—66.)



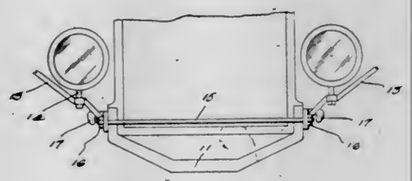
1. In a lawn sprinkler, a water-pipe, means for imparting an oscillatory movement to the water pipe, a nozzle mounted upon the water pipe, means for imparting an oscillatory movement to the nozzle in a plane at right angles to the oscillation of the pipe whereby to distribute the water over the length and breadth of a given area, means for varying the amplitude of oscillation of the pipe, and other means for varying the amplitude of oscillation of the nozzle, whereby to adapt the device to a variable area to be sprinkled.

1,504,153. PIPE WRENCH. ANDREW L. SLATER, Garfield, Utah. Filed May 21, 1923. Serial No. 640,557. 2 Claims. (Cl. 81—97.)



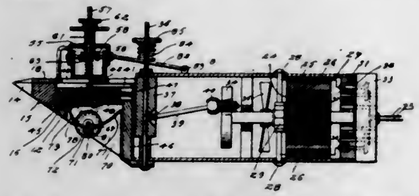
1. A wrench comprising a toothed shank having a lateral jaw at its outer end, a carrier slidable on said shank, a movable jaw pivoted on said carrier for movement toward and away from said shank and toward and away from said lateral jaw, a thumb-lever pivoted between its ends on the carrier and having its rear end toothed to engage the teeth of the shank, and spring means interposed between said lever and a portion of said pivoted jaw and exerting pressure to normally swing said jaw away from the lateral jaw and to lock said lever to hold it in engagement with the teeth of the shank.

1,504,154. SUPPORT. CHARLES E. SMALLEY, Sioux City, Iowa. Filed July 30, 1923. Serial No. 654,681. 1 Claim. (Cl. 280—106.)



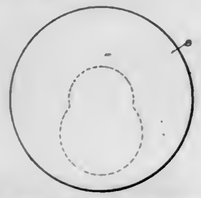
The combination with an automobile frame and a pair of fender irons, each having a relatively broad attaching portion secured to the frame, of a pair of substantially U-shaped members arranged to straddle one end of each attaching portion of said irons, the intermediate portion of each element projecting beyond the forward end of the frame and provided with an opening, a rod arranged transversely across the fender of the frame and received by said openings, nuts threaded on the ends of said rod, each element including a relatively long limb terminating to provide an obliquely disposed hook like extremity adapted to extend downwardly over the attaching portion of the adjacent fender iron, whereby the truss rod is supported on the frame.

1,504,155. CLIPPER. HARRY O. SMITH, Los Angeles, Calif. Filed May 1, 1923. Serial No. 635,917. 10 Claims. (Cl. 30—1.)



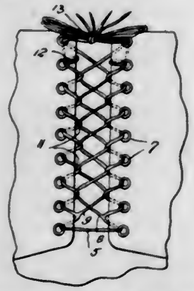
1. In a clipper, a head, a stationary cutter blade secured to said head, a cutter plate to coact with said cutter blade, and means having tractive action on the surface traversed to adjust the position of said cutter plate relatively to the penetrating end of the stationary cutter blade.

1,504,156. SANITARY ATTACHMENT FOR TELEPHONE MOUTHPIECES. HELEN C. SOMERS, Jersey City, N. J. Filed Mar. 7, 1923. Serial No. 623,482. 2 Claims. (Cl. 179—185.)



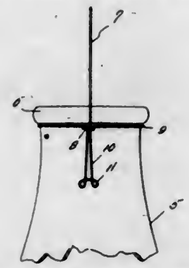
1. A sanitary mouth piece attachment for telephones comprising a disk formed with a slot having an enlarged portion and a restricted portion, and a piece of yieldable material secured to the marginal edge of said disk.

1,504,157. LACING DEVICE. WILLIAM A. SOWERS, Akron, Ohio. Filed July 10, 1923. Serial No. 650,614. 1 Claim. (Cl. 24—143.)



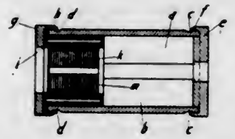
A shoe lace comprising a string adapted to be threaded through the eyelet at the opposite side portion of the upper of a shoe and in the form of successive loops disposed about the edge portion of the upper and string sections continuously joined with the said string at points spaced from each other and approximately at equal distances from a point located midway between the ends of the string, said string sections adapted to be threaded through the loops of the string at the respective side portions of the upper and adapted to serve as means for tightening the loops whereby the opposite side portions of the shoe upper may be drawn toward each other, the string sections and the end portions of the strings being of such relative length that they may be tied together at the top of the upper in the form of a knot when the lace is applied and the loops are tightened.

1,504,158. BOTTLE CARRIER. WILLIAM J. SPAULDING, Gold Bar, Wash. Filed Aug. 15, 1923. Serial No. 657,514. 2 Claims. (Cl. 215—100.)



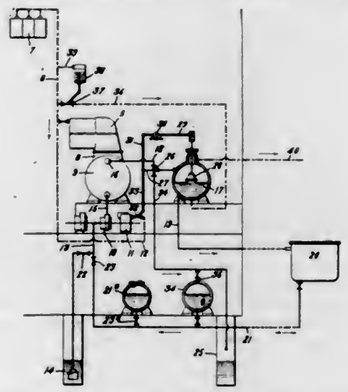
1. In an article of the character described, a single length of wire bent to form a pair of spring jaw members that are connected together by downwardly extending leg portions, and a bail member formed at its lower end with eyes adapted for surrounding said leg portions and to be freely slidable thereon.

1,504,159. BELL-SHAPED MAGNET. HERMANN STEINHART, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Oct. 13, 1922. Serial No. 594,403. 3 Claims. (Cl. 171—209.)



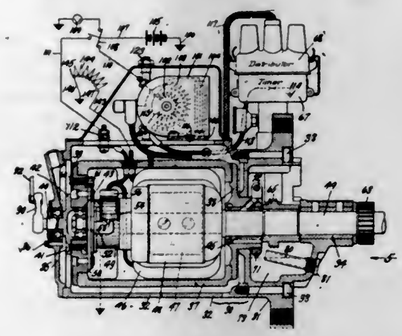
1. A bell-shaped magnet for magneto-electric machines and apparatus, comprising, in combination, straight profile bars consisting of magnet steel and having recesses at the outer surfaces of their ends, and yokes having flanges, of which the portions at the magnet bar ends are pressed down into said recesses.

1,504,160. POWER INSTALLATION. THEODOR STEIN, Schoneiche, Germany, assignor to General Electric Company, a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,190. 5 Claims. (Cl. 60—94.)



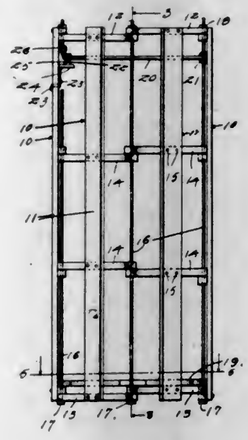
1. In a power installation, the combination of a prime mover, a condenser into which it exhausts, a hot water storage reservoir from which hot water is drawn for industrial purposes, a conduit connecting the cooling water exit of the condenser to the reservoir, means for supplying a uniform quantity of cooling water to the condenser, means for disconnecting said conduit from the reservoir when the level therein reaches a predetermined high point, and means for increasing the flow of cooling water to the condenser when the conduit is thus disconnected.

1,504,161. GOVERNING DEVICE. GUY B. STONE, Chicago, Ill. Filed Mar. 17, 1919. Serial No. 283,109. 16 Claims. (Cl. 290—40.)



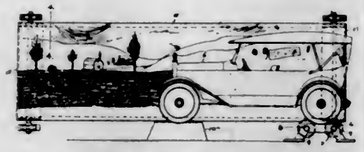
1. In an engine governor, the combination with means actuated by the engine for moving an engine throttle valve; of means for retarding the movement of said throttle moving means by a retarding action varying with the degree of opening of the valve.

1,504,162. COLLAPSIBLE CRATE. GEORGE H. TATGE, CHARLEY MANZER, and EARL MANZER, Norfolk, Nebr. Filed Jan. 31, 1923. Serial No. 616,033. 1 Claim. (Cl. 217—43.)



A collapsible crate having an even number of frame units, each unit consisting of a main slat and transverse slats, said transverse slats extending equidistantly from opposite sides of the main slat, the transverse slats of alternate units being superimposed on the adjacent transverse slats and at the ends, tie rods passing through said ends parallel to the main slats and constituting pivots for the units, a form ring within the crate, means pivoting said ring to one of the main slats, and a fastening latch on said ring on another slat.

1,504,163. DEVICE FOR INSTRUCTION IN AUTOMOBILE DRIVING. JOHN H. THEISS, Parlin, N. J. Filed Nov. 4, 1922. Serial No. 599,165. 1 Claim. (Cl. 35—12.)



An instruction apparatus of the character described comprising a plurality of grooved rollers arranged in pairs, a shaft receiving one roller of each pair whereby rotation of these last mentioned rollers is transmitted to the shaft, a gear keyed to one end of said shaft, spaced parallel vertically disposed shafts mounted for rotation, a gear keyed to one of said vertically disposed shafts and meshing with the gear first mentioned, grooved idle rollers fixed to the ends of said vertically disposed shafts and a panoramic belt trained over the grooved idle roller as and for the purpose specified.

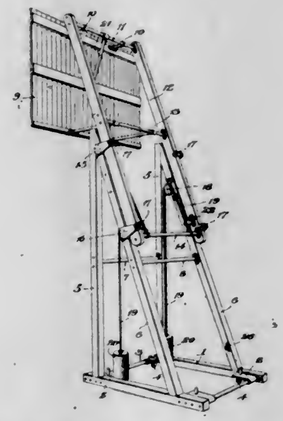
1,504,164. MANUFACTURE OF DYESTUFF INTERMEDIATES. JOHN THOMAS, Carlisle, England, assignor to Scottish Dyes, Limited, Carlisle, England. Filed Aug. 3, 1923. Serial No. 655,548. 2 Claims. (Cl. 260—57.)

1. The process which consists in chlorination of 2-methyl-anthraquinone and direct oxidation of the product of the aforesaid chlorination all while dissolved in strong sulphuric acid with no isolation of intermediate products.

1,504,165. MANUFACTURE OF QUINIZARINE AND THE LIKE. JOHN THOMAS, Carlisle, England, assignor to Scottish Dyes, Limited, Carlisle, England. Filed Aug. 3, 1923. Serial No. 655,549. 3 Claims. (Cl. 260—58.)

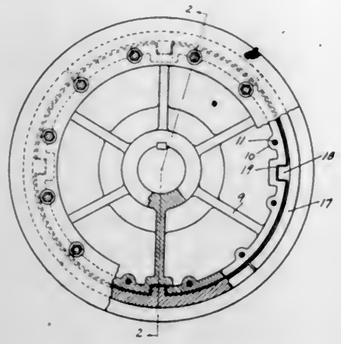
1. The process which consists in the chlorination by free chlorine in concentrated sulphuric acid of a hydroxy-anthraquinone containing a hydroxy group in the alpha position.

1,504,166. BASKET-BALL BACK-STOP. ALBERT E. THORNLEY, Pawtucket, R. I., assignor to Narragansett Machine Company, Pawtucket, R. I. Filed July 28, 1923. Serial No. 654,416. 7 Claims. (Cl. 46—59.)



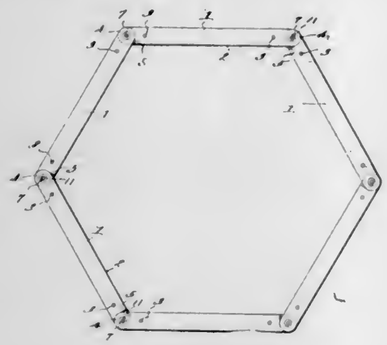
5. In a basket ball back stop, a portable base frame having inclined guides, and a movable frame having a back stop board and slidable on said guides.

1,504,167. SAFETY EXPANSION BRAKE DRUM. WALTER C. TROUT, Lufkin, Tex. Filed July 3, 1923. Serial No. 649,224. 5 Claims. (Cl. 188—218.)



1. In a hoisting drum, a brake drum comprising a drum support, a removable drum band made up of a plurality of sections spaced apart, means on each section to prevent slipping of said sections on said drum support, and means to secure said sections on said support, including an outer retaining plate on said support, having a groove to receive said sections.

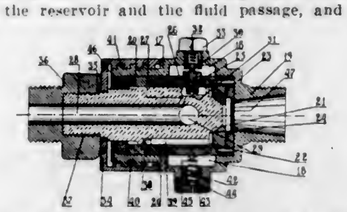
1,504,168. GRAIN BIN. CARL H. VIEBROCK and HENRY W. VIEBROCK, Douglas, Wash. Filed Aug. 12, 1922. Serial No. 581,547. 1 Claim. (Cl. 20—1.2.)



A bin of the class described formed of a plurality of sections which are hingedly connected together, each section being composed of a plurality of pieces connected together in staggered relation, one end of each piece being convex and its other end substantially concave, the convex ends projecting beyond the concave ends to form hinge parts and the concave ends of the pieces of one section engaging the convex ends of the pieces of the adjacent section.

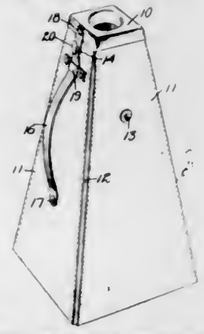
1,504,169. LUBRICATING DEVICE. FRANÇOIS WECKMAN, Herstal, Belgium. Filed Oct. 26, 1922. Serial No. 597,110. 2 Claims. (Cl. 184—56.)

1. An automatic lubricating device comprising a tap having a plug for regulating the admission of a fluid under pressure, through a fluid passage, a lubricant reservoir, a needle valve controlling communication between the reservoir and the fluid passage, and a rigid



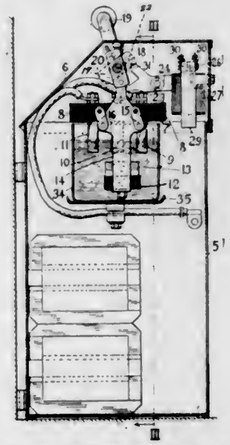
connection between the valve and the plug for simultaneously moving the valve and the plug, to open position.

1,504,170. COLLAPSIBLE MEGAPHONE. ANTHONY C. WEINS, Racine, Wis. Filed Mar. 28, 1923. Serial No. 628,341. 11 Claims. (Cl. 181—27.)



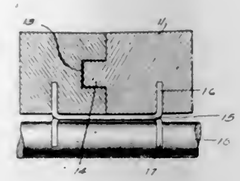
1. A collapsible megaphone comprising side members, hinges connecting them at adjacent edges, a mouth piece having an annular polygonal flange adapted to fit closely over the side members at one end thereof, and a circular flange adapted to fit into and tangentially contact the side members, said mouth piece holding the side members in open position, and means to secure the mouth piece in place, substantially as set forth.

1,504,171. ELECTRIC SWITCH. HAROLD ELIJAH WHITE, Montclair, N. J., assignor to Crocker-Wheeler Company, Ampere, N. J., a Corporation of New Jersey. Filed Jan. 16, 1920. Serial No. 351,843. 2 Claims. (Cl. 200—6.)



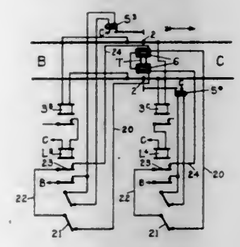
1. An electric switch comprising a support, a fixed contact carrying element carried by the support, a movable contact-carrying element, and equal parallel links in a triangularly disposed relation for connecting points in fixed triangular relation on the movable contact-carrying element with points in fixed triangular relation on the support, substantially as described.

1,504,172. SILO STRUCTURE AND ANCHORING MEANS THEREFOR. JERRY WILLEY, Des Moines, Iowa. Filed Jan. 2, 1923. Serial No. 610,382. 4 Claims. (Cl. 20—1.4.)



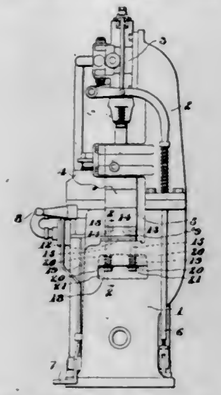
1. In combination with a silo having a plurality of vertical staves arranged with coacting tongues and grooves on their adjacent edges, an anchoring means for preventing twisting movement of staves relative to each other, said anchoring means comprising a member adapted to extend over the joint of two adjacent staves, tapered prongs on said member adapted to extend into said staves and spaced fingers projected from the ends of said member in a direction opposite from said prongs for receiving an iron band therebetween for forming a pocket therefor.

1,504,173. AUTOMATIC TRAIN-CONTROL SYSTEM. SEDGWICK N. WIGHT, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Mar. 18, 1921. Serial No. 453,302. 23 Claims. (Cl. 246—33.)



1. In a train control system for single track railroads provided with track circuits, the combination with a track element having an inherent tendency to assume an active stopping condition and adapted when in that condition to communicate a stopping influence inductively through an intervening air gap to a train traveling in either direction thereby, said track element including an iron core and a winding thereon, two separate control circuits for said track element each passing through said winding, said track element being in the same inactive condition if either of said circuits is closed, and means controlled by a plurality of track circuits on opposite sides of the track element for separately and independently governing said circuits.

1,504,174. FORGING MACHINE. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 31, 1917. Serial No. 209,793. 20 Claims. (Cl. 76—5.)

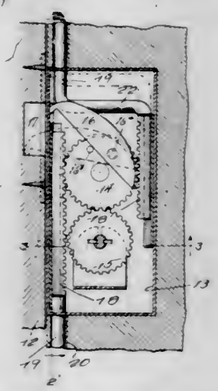


1. In a forging machine, a frame, an anvil thereon, and means operative automatically to constantly maintain the anvil in rigid relation to the frame despite wear therebetween.

1,504,175. COATING COMPOSITION. LYNDON D. WOOD, Bala, Pa., assignor to Fototone Co., Inc., Rochester, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,951. Renewed May 1, 1924. 2 Claims. (Cl. 219—76.)

1. A composition for coating surfaces for the purpose of permitting electric currents to operate by the action of light comprising a mixture of metallic strontium, barium, sulphur and tungstate of soda.

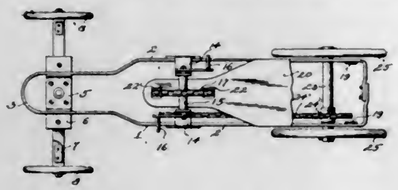
1,504,176. LOCK. JAMES WRIGHT, New York, N. Y. Filed Sept. 19, 1923. Serial No. 663,629. 2 Claims. (Cl. 70—7.4.)



1. In a lock and in combination with a casement and closure coacting therewith, coacting eyes carried by said casement and closure, a lock carried by the closure and engageable with the casement and having a bolt engageable with the casement, a pin normally engaging the closure carried eye, and a connection between said pin and bolt shifting the pin to simultaneously engage the eyes when the bolt is operated to engage the casement.

1,504,177. TOY VEHICLE. ROSS E. WYATT, Mansfield, Ohio. Filed May 9, 1923. Serial No. 637,864. 1 Claim. (Cl. 208—32.)

In a device of the class described, the combination with a frame including a pair of side bars, a wheeled axle for supporting the front end of said frame, a wheeled axle for supporting the rear end of said frame, a sprocket secured to the rear axle, a pair of standards supported by the side bars, a crank actuated shaft journaled in the upper ends of the standards, a sprocket secured to said shaft, a pair of sprockets supported between the

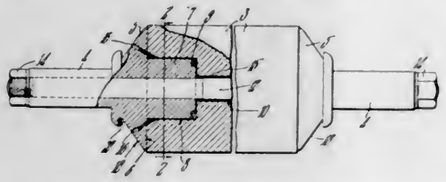


base, a sprocket chain connecting one of the sprockets and the second named sprocket, a sprocket chain connecting the other sprocket and the sprocket on the rear axle, a seat having its rear end supported by the frame and its forward end engaged between and supported by said standards, said seat having openings therein for passage of one of the sprocket chains.

1,504,178. PROCESS FOR THE PRODUCTION OF ETHERS OF CARBOHYDRATES. GEORGE YOUNG, London, England, assignor of one-third to Augustus Dacre Lacy, and one-third to Richard Charles Denington, both of London, England. Filed Aug. 28, 1922. Serial No. 584,860. 3 Claims. (Cl. 260—152.)

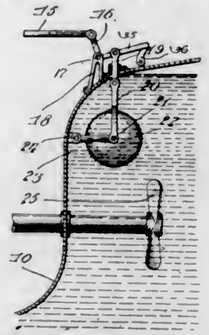
2. Process for the production of ethers of cellulose which consists in intimately mixing the cellulose with a 40 per cent aqueous solution of caustic soda, the resulting mass being subjected to gentle pressure for the removal of the excess of liquid so that the residue consists approximately of two parts of cellulose with 2 or 3 parts of caustic alkali and 1 to 1½ parts of water, by weight respectively, when the cellulose thus treated is placed into the autoclave or other reaction vessel and the alkylating agent is introduced in about the proportion of 20 molecular weights to one molecular weight of the cellulose to be treated, such autoclave or other reaction vessel being heated to 100° to 150° centigrade, and the mass agitated by any convenient means whereby the complete reaction takes place within 6 to 8 hours resulting in a product that is insoluble in alcohol.

1,504,179. ROLL FOR PAPER-MANUFACTURING MACHINES. PAUL W. BIDWELL, Easthampton, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,162. 6 Claims. (Cl. 92—49.)



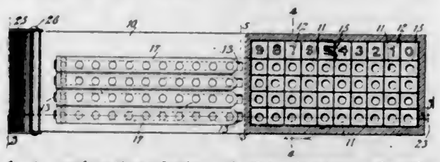
1. A roll comprising a cylindrical body having an aperture extending therethrough; said aperture being enlarged at opposite ends thereof to form recesses, an axle extending through said aperture and projecting beyond the ends of said body, hollow trunnions fitting the projecting ends of said axle, said trunnions having an unflanged substantially flat face for engaging the ends of said body, trunnion extensions projecting into said recesses and having cross-sectional contours corresponding to that of said recesses, and nuts threaded upon the extremities of said axle and bearing against said trunnions for binding together said body and trunnions.

1,504,180. PROPELLING MECHANISM FOR BOATS. ALFRED BONOM, Paterson, N. J. Filed Sept. 19, 1921. Serial No. 501,858. 3 Claims. (Cl. 137—159.)



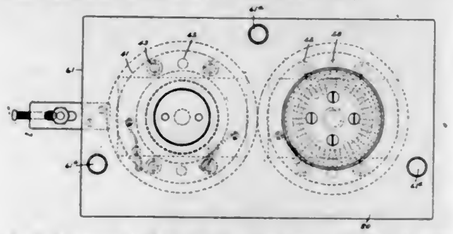
1. The herein described apparatus comprising a propeller, a motor for actuating the propeller, a valve controlling the motor and consequently the propeller, a float mounted adjacent the propeller, a yoke supporting the float and adapted for connection to a propelled body, a second yoke connected to the float, and an operative connection between said second yoke and the valve.

1,504,181. PERFORATING DEVICE. KARL HENRY BORLAND, Watertown, N. Y. Filed Mar. 7, 1923. Serial No. 623,516. 5 Claims. (Cl. 164—111.)



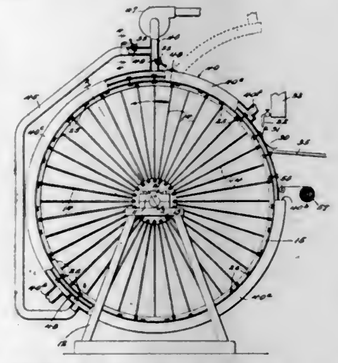
1. A perforating device of the character described, comprising a perforated base plate, a perforated top plate associated with the base plate so that when they are brought together the perforations of one plate aline with the perforations of the other plate, a plurality of punch members adjustably mounted on the top plate and adapted to project through the perforations in said plate, a hinged cover constituting a plunger to depress all of the punch members simultaneously, and means provided in conjunction with the plates for retaining the punch members in position in the top plate so that they may be operated.

1,504,182. PUNCH AND DIE. JOHN J. CARTER, Anderson, Ind., assignor to General Motors Corporation, a Corporation of Delaware. Filed May 6, 1922. Serial No. 558,921. 4 Claims. (Cl. 164—118.)



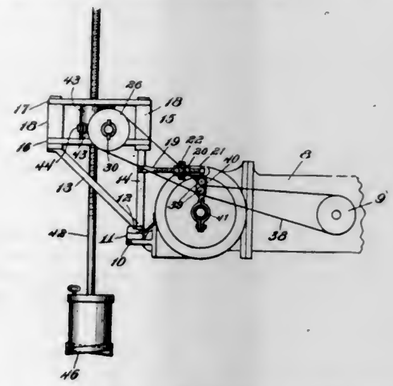
1. In a punch and die, the combination of the die member having a punch receiving orifice; a punch guide attached to said die and having punch guiding orifice in alignment with the die orifice; a punch guided by the punch guide; and means for moving the punch into and out of the die, said means including a punch block adapted to be attached to a punch press plunger and having a floating connection with the punch.

1,504,183. MACHINE FOR MANUFACTURING GELATIN SHEETS OR FILMS. HENRY M. CONGER, Washington, D. C., and ASHER O. TRAVIS, Del Ray, Va., assignors, by direct and mesne assignments, to Seattle Luminous Products Corporation, Seattle, Wash. Filed June 30, 1921. Serial No. 481,586. 16 Claims. (Cl. 18—15.)



2. An apparatus of the class described, in combination, a rotatable support, an arc-shaped member having a receiving surface of glass or similar material detachably secured to said rotatable support, the center or curvature of said member being on the axis of rotation of said rotatable support and means for spreading a gelatinous substance on said surface.

1,504,184. EARTH-BORING MACHINE. EVERETTE C. DE SHON, Clarksdale, Mo. Filed Feb. 17, 1922. Serial No. 537,278. 6 Claims. (Cl. 255—22.)

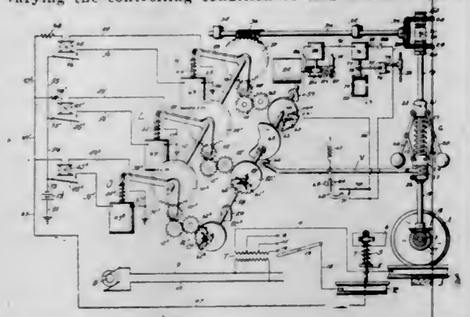


1. In a device of the class described, a frame, a power shaft carried by said frame, a normally idle power wheel upon said shaft, means governed by movements of said shaft longitudinally for causing the shaft to be coupled to and rotated in either direction from said power wheel, means for sliding said shaft, and drill mechanism including a drill shaft having threaded engagement with the frame and rotatable in one direction or the other according to the direction of rotation of said power shaft.

1,504,185. AUTOMATIC SPEED-CONTROL SYSTEM FOR RAILWAYS. CHARLES F. ESTWICK, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Mar. 31, 1917, Serial No. 158,822. Renewed Dec. 29, 1922. 37 Claims. (Cl. 246—35.)

1. In an automatic train control system, apparatus for controlling the movement of a railway vehicle including a permissive speed device adapted to assume

different controlling conditions, means controlled by the progress of the vehicle along the track for gradually varying the controlling condition of said device so as to



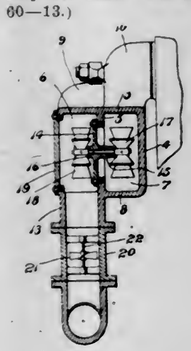
increase or decrease the permissive speed established thereby, and impulse transmitting means comprising elements partly on the vehicle and partly along the track for governing the last mentioned means in accordance with traffic conditions.

1,504,186. WHISTLING BUBBLE BLOWER. CLEVE E. EVANS and IONA H. ANGELSBERG, Dallas, Tex., assignors of one-third to H. G. Stearns, Dallas, Tex. Filed May 30, 1923. Serial No. 642,373. 2 Claims. (Cl. 46—31.)



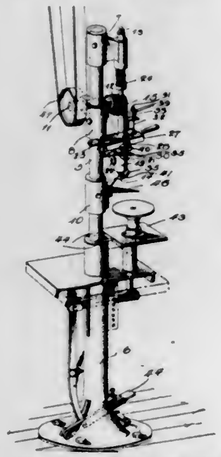
1. A device adapted for the blowing of bubbles, comprising a hollow vessel with a flaring, film-and-bubble-holding outlet, a lower receptacle for suds, and an upwardly inclined tubular mouth-piece through which air is blown through the vessel, the mouth-piece being notched to form a whistle, and provided with an air deflector to prevent air from the whistle from reaching the blowing bubble.

1,504,187. CARBURATION FOR INTERNAL-COMBUSTION ENGINES. JAMES J. FORTIER and JOHN W. SHERWOOD, Grand Rapids, Mich.; said Fortier assignor of one-sixteenth to James R. Fortier, Grand Rapids, Mich. Filed July 19, 1920. Serial No. 397,307. 3 Claims. (Cl. 60—13.)



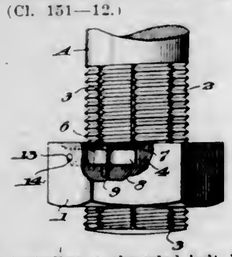
1. In combination with a manifold for internal combustion engines having two horizontal compartments located side by side and separated by a partition, said manifold being adapted to be applied to an internal combustion engine, the exhaust gases from the engine traversing one compartment and the intake mixed fuel and air the other compartment, the front side of the front compartment having an opening therethrough and the partition also having an opening therethrough, a plate attached to the partition and formed with a horizontal journal bearing, a shaft rotatably mounted in and passing through said bearing, a fan secured at each end of the shaft, and a plate attached to and covering the opening in said front side of the front compartment.

1,504,188. CAN-CAPPING MACHINE. JOSEPH M. FREDERICK, Baltimore, Md., assignor to Pompeian Romanza Corporation, Baltimore, Md. Filed Jan. 26, 1923. Serial No. 615,029. 3 Claims. (Cl. 113—24.)



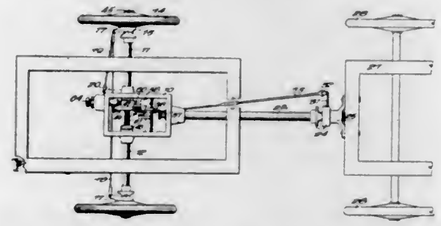
1. In a can capping machine, of the character described, in combination, a standard, a crimping device comprising brackets mounted on said standard, a non-rotatable shaft mounted in said brackets and having a flaring portion at the end thereof, a sleeve enveloping said shaft for a portion of its length, means whereby said sleeve is rotated, a rotatable head rigidly associated with said sleeve, a crimping arm resiliently pivoted in said rotatable head, a crimping wheel mounted in said crimping arm, means adapted to bring said crimping wheel into close proximity with said flaring portion of said shaft, said means comprising a collar having a beveled portion at the end thereof, an operating handle pivoted to said standard and associated with said collar, and a wheel mounted on said crimping arm and adapted to co-act with said beveled portion of said collar, a table adapted to be upwardly moved, and means associated with one of said brackets holding a can in operative position, said non-rotatable shaft being resiliently mounted thereby to hold the can with the necessary degree of firmness.

1,504,189. LOCK NUT. CHARLES E. REES, Newtonville, Mass. Filed Feb. 3, 1923. Serial No. 616,782. 1 Claim. (Cl. 151—12.)



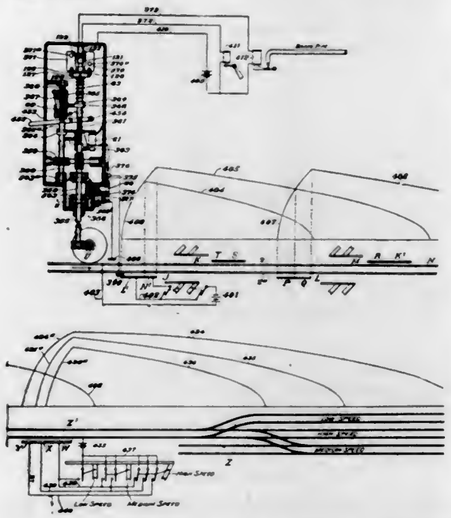
A nut-lock including a threaded bolt having a plurality of longitudinally disposed ratchet grooves or notches extending across the threads, a nut having a substantially L-shaped recess formed in the inner face at one of its angles, a dog or pawl located within the recess, a spring for holding the dog or pawl in its normal position, movable means protruding beyond the outer surface of the nut, and in position to be pressed inwardly against the dog or pawl and against the action of the spring when it is desired to unlock the nut, a cover-plate corresponding in shape with the recess and adapted to close same, and a screw serving to hold the cover-plate in position and as the pivot of the dog or pawl.

1,504,190. TRAILER. OMAR E. CLARK and JAMES T. CLARK, Denver, Colo. Filed Jan. 30, 1922. Serial No. 532,736. 14 Claims. (Cl. 280—33.55.)



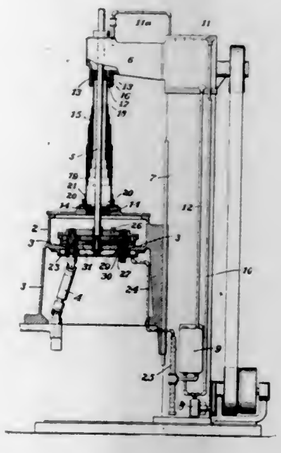
1. The combination with a trailer having shiftable supporting wheels, of means for coupling the trailer to a draft vehicle, a controlling link for the trailer wheels extending longitudinally of the coupling means and having its front end shiftable to opposite sides of the same, and means operated by the wheels on their reverse rotation for automatically shifting said front end.

1,504,191. RAILWAY-TRAIN-CONTROL SYSTEM. ALBERT V. T. DAY, Rye, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed June 4, 1913, Serial No. 771,650. Renewed Mar. 14, 1922, Serial No. 543,767. Patent No. 1,479,286, dated Jan. 1, 1924. Divided and this application filed Feb. 6, 1923. Serial No. 617,401. 23 Claims. (Cl. 246—178.)



17. Railway traffic controlling apparatus, comprising contact rails of different lengths located in the trackway, and governing mechanism on a vehicle controlled by said rails and responsive to different degrees to rails of different lengths.

1,504,192. DRILLING-MACHINE-OILING SYSTEM. WILLIAM R. FOX, Jackson, Mich. Filed Mar. 17, 1923. Serial No. 625,923. 12 Claims. (Cl. 77—22.)



1. In combination in a drilling machine, a column, a head movable along the column vertically and having a gear chest, a gear box at the top of the column, a vertical shaft driven from means in the gear box and extending down into the gear chest to drive gearing therein, means for supplying oil to the gear box, a sleeve made up of telescoping members enclosing the said vertical shaft, the upper one of said members being connected with the gear box and the lower member with the gear chest to direct oil from the gear box to the gear chest, and prevent it from being thrown off upon the surroundings by the revolution of said shaft, substantially as described.

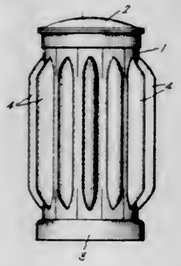
1,504,193. ELECTRICAL PROTECTING APPARATUS. EDWARD D. TREANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 3, 1921. Serial No. 505,092. 1 Claim. (Cl. 175—361.)



In electrical protecting apparatus, the combination with a main transformer, of an auxiliary transformer provided with a fuse-blowing winding adapted to have

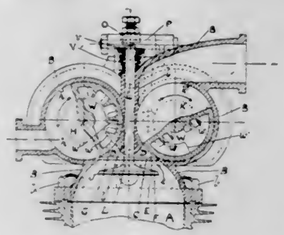
fuse-blowing current induced therein upon an unbalancing of the magnetic fluxes in said auxiliary transformer, said auxiliary transformer being mounted upon a superstructure carried by said main transformer to form a unitary structure, a fuse in circuit with said fuse-blowing winding, a casing enclosing said main and auxiliary transformers, and a separate compartment containing said fuse and carried by said casing to separate the fuse from the transformer space within the casing, whereby vapor from within the transformer space is prevented from reaching said fuse.

1,504,194. CONTAINER AND METHOD FOR PRODUCING IT. EDWARD D. TREANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 3, 1922. Serial No. 571,558. 8 Claims. (Cl. 113—116.)



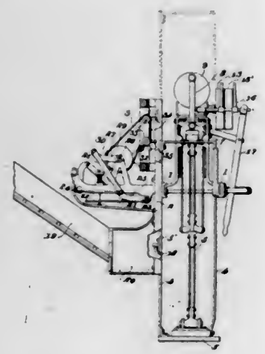
1. The method of producing a container, including the forming of spaced notches in an edge of a sheet metal blank, forming corrugations terminating between said notches while the edges of said notches remain in the original plane of said blank, the notches being substantially closed by a flow of the metal at their edges in said plane, and shaping the corrugated sheet to form the container wall.

1,504,195. VALVULAR ARRANGEMENT OF INTERNAL-COMBUSTION ENGINES. DOUGLAS GEORGE FISHER WHITE, Newton Abbot, England, and LYON WILSON NEILSON, Glasgow, Scotland. Filed July 12, 1923. Serial No. 651,158. 2 Claims. (Cl. 123—190.)



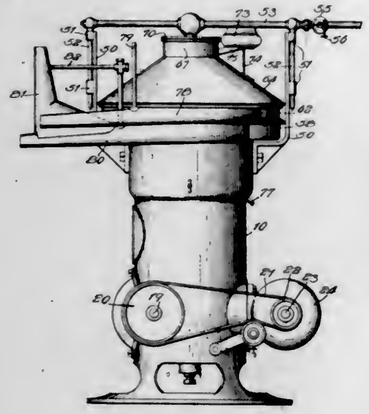
1. In an internal combustion engine a cylinder, a head thereon having a casing providing a poppet valve opening and seat, and also providing a pair of cylindrical valve housings, each having a port arranged in communication with said valve seat, one of said housings having an induction port and the other having an exhaust port, a poppet valve to open and close said valve seat, a pair of cylindrical rotary valves one in each of said housings, and respectively arranged to open and close communication between the cylinder and the inlet and exhaust, and bearings for the said rotary valves, said bearings having air gaps therein, and said valves having means cooperating with said air gaps to cause air to circulate around and cool said bearings.

1,504,196. COTTON TRAMPER. WILLIAM DORSETT WILSON, Belzoni, Miss. Filed Jan. 26, 1924. Serial No. 688,746. 5 Claims. (Cl. 100—25.)



1. In a cotton tramper, a cotton feed box, a tramper head having a back adapted during a portion of the stroke of the tramper head to close said cotton feed box, pivoted gates adapted to close the cotton feed box and means operated by the tramper head to swing said pivoted gates during a portion of its stroke.

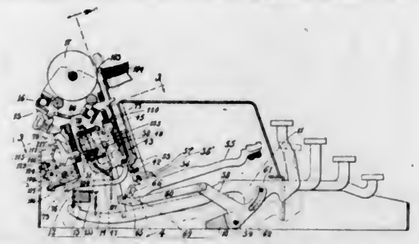
1,504,197. METHOD OF PASTEURIZING MILK, ETC. WILLIAM J. DAVIS, Chicago, Ill.; Gladstone B. Davis administrator of the said William J. Davis, deceased. Filed Oct. 2, 1922. Serial No. 591,758. 2 Claims. (Cl. 99—15.)



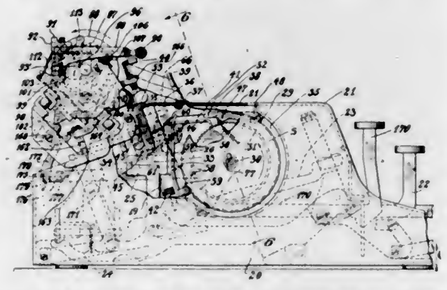
1. The method of pasteurizing milk, etc., which consists in exposing the liquid for a brief interval to a pasteurizing heat in excess of 144° Fahrenheit while said liquid is being positively rotated and subjected to a strong centrifugal action.

1,504,198. TYPEWRITING MACHINE AND THE ELEMENTS THEREOF. LOUIS A. NEMCOVSKY, New York, N. Y. Filed Sept. 21, 1922, Serial No. 589,571. Renewed June 28, 1924. 34 Claims. (Cl. 197—186.)

1. In a typewriting machine, in combination, a frame including a segment plate, a universal bar assembled to said frame adjacent said segment plate and extending to the rear thereof, escapement mechanism and ribbon shift mechanism to the rear of said segment plate, both actuated from said universal bar, part of said universal bar actuated mechanism extending between the front and rear of said universal bar.

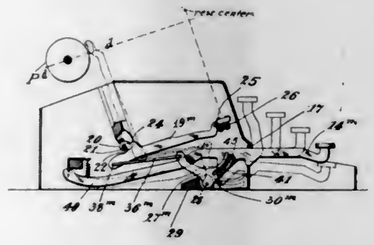


1,504,199. TYPEWRITING MACHINE. LOUIS A. NEMCOVSKY, New York, N. Y. Filed Dec. 19, 1922. Serial No. 607,766. 14 Claims. (Cl. 197—151.)



1. In a typewriting machine, in combination, a base frame, a separable frame comprising a pair of standards and a segment plate secured to and connecting said standards, each of said standards having ribbon spool mounting means thereon, and means securing said standards upon said base frame.

1,504,200. TYPEWRITING MACHINE. LOUIS A. NEMCOVSKY, New York, N. Y. Filed June 26, 1923. Serial No. 647,776. 31 Claims. (Cl. 197—22.)



1. In a typewriting machine, in combination, a casing, a system of key levers pivoted at their rear ends, an inclined segment plate narrower than said system of key levers, type bars pivoted with their width radially thereof and extending substantially parallel to each other and displaceable in planes radially of said segment plate, a linkage system connecting said key levers to said type bars, each said linkage system including a camming connection affording a mechanical advantage of operation co-related with the length of key lever and the angular relation of the type-bar for substantially uniform touch of all the keys and further including pitman links of uniform length.

THE

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Issue of August 12, 1924.

Trade-Marks	350—No.	187,675 to No.	188,024, inclusive.
Labels	31—No.	27,694 to No.	27,724, inclusive.
Prints	5—No.	7,553 to No.	7,557, inclusive.
Reissues	4—No.	15,889 to No.	15,892, inclusive.
Designs	36—No.	65,392 to No.	65,427, inclusive.
Patents	880—No.	1,504,201 to No.	1,505,080, inclusive.
Total	1306		

Interference Notices.

U. S. Patent Office, *Washington, July 17, 1924.*

William P. Dunham, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kaufmann Bros. & Bondy, 33 East Seventeenth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered January 21, 1919, No. 124,192, to William P. Dunham, 501 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said William P. Dunham at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said William P. Dunham, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, July 21, 1924.*

The Vim Medicine Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between J. P. Miller, Box 56, Port Gibson, Miss., for registration of a trade-mark and trade-mark registered February 28, 1905, No. 44,243, to The Vim Medicine Co., 510 National Union Building, Toledo, Ohio, and a notice of such declaration sent by registered mail to The Vim Medicine Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Vim Medicine Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, July 21, 1924.*

American Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Waverly Oil Works Company, Fifty-fourth Street and Allegheny Valley Railroad, Pittsburgh, Pa., for registration of a trade-mark and trade-mark registered August 6, 1895, No. 26,907, to the American Chemical Co., Minneapolis, Minn., and a notice of such declaration sent by registered mail to the American Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless the American Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Aug. 1, 1924.*

Lone Star Blacking & Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Tom A. Tirado, jr., 703 West Alabama Street, Houston, Tex., for registration of a trade-mark and trade-mark registered May 31, 1910, No. 78,255, to Lone Star Blacking & Mfg. Co., 852 Commerce Street, Dallas, Tex., and a notice of such declaration sent by registered mail to said Lone Star Blacking & Mfg. Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Lone Star Blacking & Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, Aug. 2, 1924.*

Eagle Water Heater Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the American Heater Corporation, of 1100 North Sixth Street, St. Louis, Mo., for registration of a trade-mark and trade-mark registered August 7, 1906, No. 55,000, to the Eagle Water Heater Company, 126–130 Sixth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Eagle Water Heater Company at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Eagle Water Heater Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business August 1, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,542; Trade-Mark Division, 1,748. Oldest new case, Nov. 20, 1923; oldest amended, Nov. 26, 1923. The dates given are 1923 except where * indicates 1924.)

Room No	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action: New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 31	*Jan. 18	984
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	*Jan. 2	*Jan. 2	896
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	*Mar. 1	*Mar. 14	978
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	*Feb. 11	*Feb. 19	1,023
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Dec. 12	Dec. 27	1,536
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Nov. 30	Nov. 26	1,873
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	*Feb. 5	*Feb. 5	1,680
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 21	*Apr. 7	1,493
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	*Jan. 12	*May 7	659
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	*Feb. 16	*Mar. 6	1,365
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 15	*Mar. 3	1,021
322	12. PIERCE, P. P., Machine Elements	*Mar. 6	*Feb. 21	1,062
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	*Jan. 5	*Jan 5	1,153
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 31	*June 6	767
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	*Jan. 12	*Jan. 9	1,941
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	*Jan. 9	*Jan. 2	2,694
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	*Jan. 7	*Apr. 9	1,254
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Dec. 13	Dec. 5	2,034
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	*Mar. 21	*May 5	938
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	*Feb. 12	*Feb. 13	1,216
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	*Jan. 2	*May 31	702
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	*Jan. 14	*Jan. 6	1,263
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	*Feb. 2	*Feb. 21	498
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	*Jan. 22	*Jan. 31	1,010
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Apr. 30	*May 19	589
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Dec. 5	Dec. 15	912
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	*Feb. 4	*Feb. 19	1,105
225	28. BENSON, A. R., Internal-Combustion Engines	*Feb. 5	*Mar. 4	1,107
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	*Jan. 2	*Jan. 17	1,111
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	*Mar. 3	*Mar. 3	1,113
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	*Jan. 19	*Jan. 12	1,080
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	*Feb. 1	*Feb. 1	911
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	*Mar. 5	*Mar. 3	949
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 23	*Feb. 7	879
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Apr. 22	*May 12	766
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 20	*Feb. 13	1,448
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	*Feb. 4	*Feb. 1	1,458
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	*Feb. 9	*Feb. 18	1,476
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	*Feb. 15	*Mar. 1	648
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Dec. 10	*Apr. 15	1,938
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Feb. 4	*Feb. 27	680
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 20	Dec. 4	1,941
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	*Jan 2	*Jan. 14	1,344
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	*Jan. 7	*Mar. 4	1,142
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	*Jan. 4	*Jan. 22	1,553
332	46. WOLCOTT C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Feb. 1	*Feb. 7	1,097
264	47 BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	*Mar. 7	*Mar. 24	749
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Dec. 17	Dec. 17	2,237
383	49 EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	*Jan. 14	*Jan. 10	926
....	52.	*Feb. 16	*Feb. 26	829
102	DESIGNS: C. O. MARKHAM (Acting)	*June 20	*June 24	514
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*July 1	*July 17	1,708
	{Labels and Prints	*July 24	*July 24	40

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

STEVENS *v.* HARSEL AND NALL.

Decided April 15, 1924.

1. INTERFERENCE—SUBSTITUTION BY PRIMARY EXAMINER OF REISSUE APPLICATION FOR ANOTHER APPLICATION.

Where an interference was dissolved on the ground that the issue was not patentable to the party H. and N. over certain claims of their parent application, which had become a patent, and H. and N. after an appeal filed an application for reissue of their patent, with the claim of the issue included, and withdrew their appeal, *Held* that the Primary Examiner committed no error in proceeding ex parte to reform the interference by substituting the reissue application of H. and N. after obtaining jurisdiction under the approval of the Commissioner.

2. SAME—SUBSTITUTION BY PRIMARY EXAMINER OF EARLIER APPLICATION.

Wherever the Primary Examiner finds an earlier application of a party already involved in an interference, which earlier application the Examiner holds should be substituted for the application actually involved, the Examiner should proceed ex parte and make the substitution, if no testimony has been taken and the issue remains unchanged.

3. SAME—SAME—ACTION BY OPPOSING PARTY.

After the ex parte substitution by the Primary Examiner of an earlier application of a party already involved in an interference the opposing party has his opportunity to bring such motion or petition as he may believe necessary to correct any supposed error of the Primary Examiner in making the substitution.

4. SAME—FILING OF REISSUE APPLICATION AS SUBSTITUTE FOR APPLICATION IN INTERFERENCE—SUBSEQUENT WITHDRAWAL OF APPEAL FROM ACTION OF LAW EXAMINER DISSOLVING ORIGINAL INTERFERENCE.

Where H. and N. appealed from a decision of the Law Examiner dissolving the interference on the ground that the issue was not patentable over certain claims of a patent granted to them, then filed an application for reissue of the patent, with the claim of the issue included in it, and withdrew their appeal, whereupon S. moved for judgment on the record on the ground that such withdrawal of the appeal amounted to an abandonment of the invention of the issue, *Held* that since the reissue application was filed before the withdrawal of the appeal the interference was not terminated and the Examiner of Interferences was right in dismissing the motion for judgment on the record.

ON PETITION.

TIRE-MAKING MACHINE.

Mr. Albert L. Ely for Stevens.

Mr. R. S. Trogner for Harsel and Nall.

KINNAN, *First Assistant Commissioner:*

This case is before me on petition by the party Stevens—

that a certain order or letter of the Examiner of Interferences and letter of the Examiner, dated Jan. 23, 1924, be set aside and that judgment on the record in the interference * * * be entered forthwith.

The petition also prays that—

the new interference set up by said order and Examiner's letter of Jan. 23, 1924, be dismissed.

It appears from the record that an interference was declared between these parties on December 8, 1921, such interference having the same number as that borne by the present proceeding. In such interference an application, Serial No. 297,108, filed May 14, 1919, of Harsel and Nall, was included, and since the Stevens filing date was November 14, 1917, the latter was made senior party. Thereafter it appeared the application of Harsel and Nall was a division of an earlier-filed application filed prior, by a few days, to the filing of the Stevens application. Harsel and Nall in consequence moved to shift the burden of proof, while Stevens moved to dissolve on the ground that the issue was not patentable to Harsel and Nall because of certain claims in their parent application, which latter had, subsequently to the filing of the divisional application of Harsel and Nall, become a patent. The Law Examiner granted Stevens's motion, holding the issue unpatentable to Harsel and Nall in view of the claims in their parent application, which had become a patent on October 25, 1921, No. 1,395,182. On appeal to the Examiners in Chief the Law Examiner's decision was affirmed. Appeal was taken by Harsel and Nall to the Commissioner; but before hearing of such appeal Harsel and Nall filed an application for the reissue of their patent and incorporated the claim of the issue of this interference in such reissue application and then withdrew their appeal. Upon the withdrawal of this appeal Stevens moved before the Examiner of Interferences for a judgment on the record. This motion was dismissed January 23, 1924. Thereupon the Primary Examiner obtained jurisdiction, under the approval of the Commissioner, of the interference and reformed it by substituting the reissue application of Harsel and Nall. The issue remained the same and the interference was continued under the same number, all parties in interest being identical. Harsel and Nall brought a motion before the Examiner of Interferences to shift the burden of proof, which motion was dismissed because the date of filing by Harsel and Nall of their original application, on which their patent was granted and for which the reissue was filed, was prior to that of Stevens and the substitution of such reissue application by the Primary Examiner automatically made Harsel and Nall senior party and placed the burden of proof upon Stevens.

It is contended on the part of Stevens that the procedure of the Office, following the withdrawal of the appeal by Harsel and Nall to the Commissioner, was improper, was in violation of several of the rules of practice, and that the decision of the Examiner of Interferences dismissing the motion for judgment was in error, and that such withdrawal of the appeal by Harsel and Nall, notwithstanding they had already filed their reissue

application with the claim of the interference issue included in it, amounted to an abandonment of the invention of the issue and entitled Stevens to a judgment of priority. Especial reliance is placed upon the rules and the decisions which forbid the declaration of a second interference between the same parties after a termination of the first interference. Stevens vigorously contends the first interference was terminated when the appeal to the Commissioner was withdrawn. Stevens also contends the substitution of the reissue application of Harsel and Nall by the Examiner without notice to Stevens was improper and contrary to the rules and established procedure.

[1, 2, 3] A careful review of all the circumstances in this case fails to disclose that any error in procedure has been committed. While Rule 106 does provide for the substitution of a divisional for a parent application while an interference is proceeding, such rule does not specifically provide for the situation of the case at bar. Perhaps none of the other rules are so nearly pertinent as Rule 106. However, it is believed the practice is fairly established that whenever the Examiner finds an earlier application of a party already involved in an interference should be substituted for the application actually involved the Examiner should proceed ex parte and make the substitution, if no testimony has been taken. It is not thought such a proceeding is an inter partes one. After the substitution the opposing party has his opportunity to bring such motion or petition as he may believe necessary to correct any supposed error of the Primary Examiner in making the substitution. The making of the substitution by the Examiner amounts to a holding by him that the substituted application discloses the issue and that it is patentable to the party involved in that application, subject to the interference.

[4] Most of Stevens's contentions that the rules of practice have been violated are based upon his view that the first interference was terminated and the present proceeding is a second interference. It is believed this view is in error. There has been but one interference which has not been concluded. The preliminary and interlocutory proceedings have not served to terminate the original interference. The fact that prior to the withdrawal of the appeal Harsel and Nall had pending in this Office their reissue application with the claim of the issue included in it precludes a holding that such withdrawal resulted in a dissolution of that interference. Their claim or demand was continuous and their reissue application was filed to overcome the grounds upon which that issue had been denied them by the Law Examiner and the Examiners in Chief. It is believed the procedure of the Office follows similar procedure in equity courts and that no specific rule is violated in following the practice so far involved in the instant case.

It is not seen that any rights of Stevens have been prejudiced by this procedure. If the Law Examiner and the Examiners in Chief were correct in their holding that the issue is not patentable to Harsel and Nall in their divisional application because the invention of the issue is already claimed in their patent, then this issue is unpatentable likewise to Stevens unless he can overcome by an interference proceeding the effect of that patent to Harsel and Nall.

Finding no error in the acts of the tribunals below, the petition is denied.

Court of Appeals of the District of Columbia.

IN RE JOHNSON, JR.

No. 1,589. Decided February 5, 1924.

INVENTION—NEW FUNCTIONS—INCREASED EFFICIENCY.

A snap clamp having opposed jaws, one of which is a multiple jaw, with its members independently movable toward and from the other jaw, *Held* patentable over snap clamps which are similar to it in character except for the feature of the double or divided jaws, where new functions and increased efficiency and utility have been produced by means of the double jaws.

Mr. E. G. Siggers for Johnson.

Mr. T. A. Hostetler for the Commissioner of Patents.

Argued before SMYTH, Chief Justice, ROBB, Justice, and MARTIN, Presiding Judge United States Court of Customs Appeals.

MARTIN, *J.:*

This is an appeal from a decision of the Commissioner of Patents rejecting 13 claims of the application. Six of these have been withdrawn by the applicant, leaving claims 1, 2, 5, 6, 9, 11 and 13 still in question. Claims 1, 6, and 11 are copied as sufficiently illustrative:

1. A snap clamp for tapping electric line conductors, having opposed jaws of like gripping area, one of which jaws is a multiple jaw with the members independently movable toward and from the other jaw.

6. A snap clamp for tapping electric line conductors, comprising two opposed jaws hingedly connected with one jaw having a normal constraint toward the other and said jaw being composed of a plurality of members with meeting edges extending lengthwise of the jaw and each member being independently elastically yieldable away from the first-named jaw.

11. A snap clamp for tapping electric line conductors, comprising two jaws hingedly connected together, one jaw being an effectively one-piece jaw and the other jaw comprising two separate members each yieldable and independently constrained toward the first-named jaw, the separate members of the second-named jaw having longitudinal meeting flanges at their meeting edges projecting away from the face of the jaw, and the first-named jaw having guide fingers at its side portions embracing those edges of the second-named jaw remote from the flanges.

The device covered by the appealed claims is a snap clamp designed to fit tightly upon any high-tension transmission wire so as to tap the line by grounding the electric current through a branch conductor connected with the clamp. The chief service of the device is to make that part of the transmission line which is beyond the clamp safe for workmen when engaged in removing or replacing insulators thereon. The clamp is fastened upon the end of a pole which is carried by the operator, by means of which it may be snapped over an overhead wire and wrenched free again after use. The clamp is made of metal, having one rigid or stationary jaw to which are hinged at one end two opposing jaws having a combined area equal to that of the first-named jaw. Each of the hinged or movable jaws is pressed against the stationary one by means of a separate spiral spring. The pressure of each spring upon its movable jaw is exerted through a metal rod which projects through the spring and through both jaws, having a head at one end bearing against the spring and at the other end a number of holes through any one of which a pin may be passed to bear against the stationary jaw. Different degrees of spring pressure may be secured by an adjustment of these pins. The stationary jaw carries a pair of arms to keep the movable jaws in alignment, and carries also the socket into which the branch or grounding conductor is soldered. The movable jaws have a straight inner edge of two flanges abutting one another. These are wide at the hinge end, and are narrowed at the free end, being rounded at their outer edges so as to prevent injury to the transmission wire to which the clamp may be attached.

It appears from the references that in the years 1912 and 1917 the present applicant secured patents upon certain snap clamps which were similar to this in character except for the feature of the double or divided hinged or movable jaws of the present device, the former inventions having but a single movable jaw. That jaw however was pressed against the stationary jaw by means of a spiral spring substantially as in the present device.

Upon these and other references the claims of the applicant were successively rejected by the Primary Examiner, the Examiners in Chief, and the Commissioner, who held in effect that the applicant had incorporated into the present device merely such features as were old in the art or such variations thereof as were produced without the exercise of invention.

We are constrained to disagree with this decision and to approve the claims of the applicant. The provision in this device for two independently-movable jaws, each forced toward the opposite jaw by an independent and adjustable spring, is a novel and useful construction which is not shown or suggested in the former patents nor any of the references, and by means thereof new functions and increased efficiency and utility have been produced. This device enables the clamp to carry a much heavier electric current before melting the solder as compared with the earlier clamps, without increase of weight or cost. It is true that multiple jaws designed to improve electric contacts are not new in the art, but in this case however other novel results are produced. The clamp is made capable of being snapped on or off of the line more easily and quickly than formerly since one spring jaw at a time may now be twisted sidewise either on or off of the wire by the operator, thereby requiring much less effort. This is an important quality in view of the hazardous position of the operator when applying the clamp. Also when snapped over the line this clamp automatically indicates by the alignment of the movable jaws whether it is properly seated on the wire. Again, it may be applied to the line at greater angles than the former clamps thus increasing the safety and efficiency of its operation; and because of the several holding springs it may the better be adjusted to the varying diameters of line conductors. These qualities disclose a unitary advance over the former art by way of invention and not mere mechanical skill only. *Regent* v. *Penn*, 121 Fed. 80; *Canda* v. *Michigan Malleable Iron Co.*, 124 Fed. 486; *Buchanan* v. *Perkins*, 135 Fed. 90; *General Electric Co.* v. *Yost Electric Mfg. Co.*, 139 Fed. 568; *Stuber* v. *Central Brass Stamping Co.*, 224 Fed. 712; *Loom Company* v. *Higgins*, 105 U. S. 580; 21 O. G. 2031. We refer also to the well-established rule that where as in this case a distinct advance has been made in a given art, and the question is close, it will be resolved in favor of the applicant, especially where his claims are specific. *In re Eastwood*, 33 App. D. C. 291; 144 O. G. 819; *in re Harbeck*, 39 id. 555; 191 O. G. 586; *in re Katzenberger*, 46 id. 539; 245 O. G. 553; *in re Glafcke*, 51 id. 204; 296 O. G. 647.

In our view the claims of the applicant should have been allowed. The decision of the Commissioner is therefore reversed, and the case is remanded accordingly.

Court of Appeals of the District of Columbia.

VIDAVER *v.* SHERMAN.

No. 1,594. Decided February 5, 1924.

INTERFERENCE—ORIGINALITY.

Where a manufacturing company learned of V.'s device by means of negotiations with him, proceeded to dismiss him from the transaction and to employ S. to work the same idea into a similar device, and S. first acquired the idea of the invention through the company's officers, who had learned of it from V., *Held* that V. was the original inventor and was entitled to priority.

Mr. Geo. W. Dorr for Vidaver.

Mr. F. C. Curtis for Sherman.

Argued before SMYTH, Chief Justice, ROBB, Justice, and MARTIN, Presiding Judge United States Court of Customs Appeals.

MARTIN, *J.:*

This is an interference proceedings in which the appellant is the junior party, he having filed his application for a patent on January 8, 1920, whereas a patent for a similar invention was issued to the appellee on December 9, 1919. The invention relates to the manufacture of bristle brushes having their bristles set in rubber pads. The device in question is an appliance whereby the rubber pads may be punctured mechanically by means of small hollow tubes filled with one or more bristles, which are first forced through the rubber and then withdrawn, whereupon the rubber contracts upon the bristles and firmly retains them in place in an upright position. The pads are then mounted upon suitable frames and are ready for use.

The following count is copied as illustrative of the invention:

Count 1. That improvement in the art of inserting bristles in an apertured elastic pad which consists in supporting the pad on one side with a plate provided with an opening opposite the aperture in the pad; in-

serting into the aperture in the pad from its other side a bristle-guiding tube, larger than said aperture, whereby said aperture is expanded, and one or more bristles within said tube, and then withdrawing the tube leaving the bristle inserted in the aperture in the pad, and permitting the material of the pad to contract upon said inserted bristles.

The only issue in the case is that of originality, and the testimony relating to it is conflicting. We have however drawn the following conclusions from the evidence:

In the latter part of 1910 the Universal Brush Company was engaged in the manufacture of brushes having their bristles set in rubber pads. The operation of puncturing the pads and setting the bristles in them was performed by hand, there being then no mechanical contrivance to do this work. The labor was performed by operatives at their homes, and the system was unsatisfactory. This condition was brought to the attention of the appellant by his brother-in-law, a Mr. Koenigsberger, who was an employee of the company. The appellant was a physician and an inventor, and he then and there conceived the idea which constitutes the present invention. He took a hypodermic needle from his medicine case, cut some bristles from a brush and placed them inside the hollow needle. He then forced the loaded needle through a common rubber band, and when it was withdrawn the rubber contracted and clutched the bristles thus holding them securely in an upright position. The appellee and Koenigsberger regarded this as a solution of the problem. It was disclosed to several persons, and the appellant began to devise a working model of the invention. At the same time he undertook to perfect a "shaker box" to be used in connection with the invention as a means of loading the hollow needles mechanically with bristles. During the entire time covered by this matter Henry Alexander was the president and principal owner of the Universal Brush Company, and afterward of its successor the Henry L. Hughes Brush Company, and his son, M. W. Alexander, was the secretary of the same, the latter being actively engaged in its management. Several meetings took place between the appellant and Henry Alexander at which others were present. The appellant testifies that he then exhibited the shaker box and began to show how the hollow needle would operate, when Alexander said it was unnecessary to do so as he understood it fully. This is denied by Alexander and the other persons who were present, they claiming that only the shaker box was exhibited and that no mention was made of the use of a hollow needle. As a result of the meetings however a proposed contract was drafted whereby the company was to advance not more than $500 to enable the appellant to construct a working model, and was to pay him for the use of the invention if successful. The contract however was never executed, but was destroyed by Alexander at the last meeting, with the statement that he would no longer deal with the appellant. Alexander explains this by stating that the appellant disclosed to him at the meeting that he had approached other brush makers upon the subject, and that this made him indignant. The appellant however denies this entirely, and claims that Alexander having become informed of the invention wished to use it without paying the appellant for it, and accordingly summarily dismissed him upon a feigned excuse. It may be noted that it appears from the testimony that in the latter part of 1910 Alexander's company was the only manufacturer of cushion-back brushes in this country. Notwithstanding this rebuff the appellant completed his device such as is described in the above counts, and in June, 1911, applied for a patent upon it. The application was allowed in September, 1911, but no patent was ever issued, because of a failure to pay the final fees. The appellant testifies that this default was due to his extreme poverty, and the testimony sustains this plea. He testifies further that afterwards in March, 1919, he discovered by chance that the company was in fact using his invention in its factory. Thereupon on January 8, 1920, the appellant filed his present application in the Patent Office, and this proceeding in interference was ordered. The appellant testifies that his delay in filing the present application after learning that the company was using his invention resulted from advice of his counsel to the effect that it was too late to assail the Sherman patent, and that the proper remedy was an action for damages against the company. Such an action was in fact begun in April, 1919, and is still pending.

We may say at this point that we believe the appellant's foregoing statement to be true and correct. It would however fail to prove that the appellee, Sherman, had acquired a knowledge of appellant's invention prior to his own conception of the same idea. That defect in the proof however is supplied by Sherman's own testimony.

The appellee, William T. Sherman, was a skilled mechanic who first entered the employ of the company on September 1, 1912. He had never before engaged in the manufacture of brushes, yet in his application for his present patent he claims to have conceived the idea upon the day when he entered into the service of the company. He did not however complete the device until some months later. He then employed hypodermic needles, as did the appellant, as the means of setting the bristles into the rubber pads. He says that he had never seen a hypodermic needle before he procured these for his invention; that he went into a hardware store in Troy, N. Y., to buy some tubes for this purpose when a clerk advised him to use hypodermic needles instead; that he does not remember who the clerk was nor the store where the occurence took place. He testified that he was paid $1000 by the company for his invention. A reference to the account books of the company discloses that the item is entered as payment for labor, no reference to any invention appearing in the entry. The appellee denies, as do the other witnesses who

are interested in the company, that any communication was made to him in relation to the appellant's ideas or invention. It is claimed indeed that none of them ever learned from the appellant or otherwise that his device made use of hollow needles as carriers for the bristles in the process of setting them in the rubber pads. This statement however is contradicted by the testimony of a witness, Bradshaw, who states that M. W. Alexander told him in the year 1911 that the brushes could be filled by means of hollow needles such as hypodermic needles, for inserting the bristles into the rubber pads, and that this had been suggested by a doctor who was a friend or acquaintance living in New York city.

It may be noted at this point that Koenigsberger, the brother-in-law of the appellant, who arranged the first meeting between Alexander and the appellant and was present thereat, was not called as a witness in this proceeding. He has remained an employee of the company, as well as a relative of the appellant, and his testimony was not taken by either party to the proceeding.

We do not undertake to discuss the testimony in detail. It is true that it is circumstantial in character in so far as it relates to Sherman, but we are constrained to say that upon a review of all of it we are fully convinced that the appellant's claim is substantially true, and that the company having learned of the appellant's device by means of the negotiations with him, proceeded to dismiss him from the transaction and to employ Sherman to work the same idea into a similar device; and that Sherman first acquired the idea of the invention from the company's officers who had learned of it from the appellant. We therefore hold that the appellant is the orignal inventor and is entitled to priority, and that the decision of the Assistant Commissioner awarding priority to the appellee should be and it is reversed. The case is remanded accordingly.

PATENT SUITS.

[Notice under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,045,200, C. D. Severance, Gearing, final consent decree sustaining patent, adjudging infringement, and granting perpetual injunction filed June 12, 1924, D. C., S. D. N. Y., Doc. E 26/65, *Goodell-Pratt Co.* v. *Consolidated Tool Works, Inc.*

1,071,027, F. A. Bruckman, Automatic pastry-making machine, suit filed June 12, 1924, D. C. Md., Doc. E 593, *The McLaren Products Co. et al* v. *Stevenson & Co.*

1,141,122, A. T. Kliegl, Stage footlights, appeal filed June 2, 1924, C. C. A. (2d Cir.), Doc. 8370, *A. T. Kliegl* v. *W. Murray et al.*

1,180,571. (See 1,188,734.)

1,181,046. (See 1,246,493.)

1,188,734, E. E. Clement, Electrical cooker; 1,180,571, L. G. Copeman, Automatically-controlled electric cooking apparatus, consent order of discontinuance filed June 3, 1924, D. C., S. D. N. Y., Doc. E 24/184, *Westinghouse Electric Products Co.* v. *Edison Electric Appliance Co.*

1,196,691, B. F. Hopkins, Air brush for distributing liquids, suit filed May 22, 1924, D. C., N. D. Calif., Doc. 1280, *Alliance Securities Co.* v. *J. A. Mohr & Son.*

1,235,016, G. H. Deaton, Record calendar, suit filed May 29, 1924, D. C., N. D. Ill., Doc. 4014, *G. H. Deaton* v. *S. B. Willsden et al.*

1,237,717, W. Sparks, Motor horn; 1,355,283, same, Motor, suit filed June 13, 1924, D. C., W. D. N. Y., Doc. 632 D. *The Sparks Withington Co.* v. *North East Electric Co.*

1,244,216, I. Langmuir, Electron-discharge apparatus and method of preparation, suit filed May 15, 1924, D. C., E. D. N. Y., Doc. 1723, *General Electric Co.* v. *De Forest Radio Telephone & Telegraph Co. et al.*

1,244,217, I. Langmuir, Electron-discharge apparatus and method of operating same, suit filed May 15, 1924, D. C., E. D. N. Y., Doc. 1724, *General Electric Co.* v. *De Forest Radio Telephone & Telegraph Co. et al.*

1,246,493, G. B. Thomas, Pull socket; 1,181,046, A. J. Tizley, Electric-lamp switch, suit filed May 22, 1924, D. C., E. D. N. Y., Doc. 1730, *The Bryant Electric Co.* v. *Reno Sales Co., Inc.*

1,251,182, F. J. Creque, Process of ornamenting rubber articles; Des. 52,129, same, Toy balloon, suit filed June 2, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1167, *The Western Reserve Rubber Co.* v. *The Liberty Rubber Co.*

1,251,999, F. C. Grant, Pedal attachment for automobiles, suit filed May 29, 1924, D. C., N. D. Ill. Doc. 4042, *F. C. Grant* v. *The Hill Pump Valve Co.*

1,263,879, A. Gerosa, Lug for power-plant support for vehicles, appeal filed Nov. 24, 1923, C. C. A. (1st Cir.), Doc. 1685, *A. Gerosa et al.* v. *Apco Mfg. Co.* Decree of the district court affirmed (notice dated June 9, 1924).

1,279,249, G. W. Bungay, Casting apparatus, suit filed Apr. 2, 1924, D. C., E. D. N. Y., Doc. 1620, *Aluminum Die Casting Corp.* v. *Allied Die Casting Corp. et al.*

1,299,585, Lee & Lee, Ignition coil, consent decree in favor of plaintiff, injunction issued Apr. 15, 1924, D. C., E. D. N. Y., Doc. 1543, *North East Electric Co.* v. *C. Messerschmidt et al.*

1,326,520, A. McLaren, Ice-cream cone and package containing same; Des. 54,440, Ice-cream cone, suit filed Apr. 26, 1924, D. C. Md., Doc. E 556, *The McLaren Products Co.* v. *A. Ricci.*

1,355,283. (See 1,237,717.)

1,360,498, G. H. Chandlee, Piston ring, suit filed May 6, 1924, D. C., N. D. Ill., Doc. 3975, *No-Leak-O-Piston Ring Co. et al.* v. *H. W. Dunham et al.*

1,373,909, F. T. Powers, Coolers for photomechanical printing plates, suit filed June 6, 1924, D. C., S. D. N. Y., Doc. E 29/250, *F. T. Powers* v. *News Syndicate Co., Inc.*

1,395,694, W. Allinson, Apparatus for purifying gasoline, suit filed Jan. 14, 1922, D. C. Kans. (2d Div.), Doc. 247 N, *Allinson Mfg. Co.* v. *W. C. Glover (Glover Mfg. Co.).* Decree finding patent valid and infringed and granting injunction (notice dated May 31, 1924).

1,416,480, C. H. Leatherman, Duster, final decree entered holding claim 1 not infringed; bill dismissed May 31, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1056, *The Pioneer Mfg. Co.* v. *The National Textile Products Co. et al.*

1,426,634, M. Hawie, Rustless buckle, suit filed June 2, 1924, D. C. Conn., Doc. E 1719, *The Hawie Mfg. Co.* v. *The Hathcway Mfg. Co.*

1,427,580, C. W. Collins, Clothes-drying machine, suit filed May 10, 1924, D. C., N. D. Ill., Doc. 3985, *Troy Laundry Machinery Co., Ltd.*, v. *Asher Mfg. Co.*

1,429,680, P. A. Keister, Railroad weeder and re-shouldering machine, suit filed June 5, 1924, D. C., N. D. Iowa, Doc. 72. *P. A. Keister* v. *The Chicago, Rock Island & Pacific Rwy. Co.*

1,449,183, J. E. Johnstone, Baseball mask, suit filed May 15, 1924, D. C., N. D. Ill., Doc. 3991, *J. E. Johnstone* v. *T. Goodman.*

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling; 1,489,228, same, Method and means for neutralizing capacity coupling in audions, suits filed Apr. 19, 1924, D. C., E. D. N. Y., Doc. 1659, *Hazeltine Corp. et al.* v. *Rova Radio Products Corp.* Same, Doc. 1660, *Hazeltine Corp. et al.* v. *Times Square Auto Supply Co.* Same, Doc. 1661, *Hazeltine Corp. et al.* v. *A. Ruckgaber.* Same, suit filed May 27, 1924, D. C., E. D. N. Y., Doc. 1731, *Hazeltine Corp. et al.* v. *J. C. Hoose.*

1,457,625, A. Freydberg, Fabric binding strip, suit filed May 28, 1924, D. C. Md., Doc. E 386, *Freydberg Bros., Inc.*, v. *M. Hamburger.*

1,472,616, W. H. Richman, Process of making metallic cans and article produced; 1,481,522, V. Mauck, Container and process for forming same, suit filed May 2, 1924, D. C., E. D. N. Y., Doc. 1704, *J. Wood Mfg. Co. et al.* v. *Keiner Williams Stamping Co. et al.*

1,477,036, B. Cook, Service metal wheel gage, suit filed June 5, 1924, D. C. Conn., Doc. E 1723, *B. Cook* v. *Pratt & Whitney Co., Inc.*

1,477,101. (See 1,489,059.)

1,481,522. (See 1,472,616.)

1,483,269, Barker & Read, Advertising apparatus, suit filed June 10, 1924, D. C., S. D. N. Y., Doc. E 29/274, *M. Adair* v. *Peerless Frame & Moulding Co.*

1,486,779, C. Mayer, Girdle brassière, suit filed May 13, 1924, D. C., N. D. Ill., Doc. 3988, *Nature's Rival Co.* v. *Venus Brassiere Co. et al.*

1,487,670, H. Slikerman, Brassière corset, suit filed May 2, 1924, D. C., E. D. N. Y., Doc. 1709, *The Belfit Brassiere Co., Inc.*, v. *L. Kahn (Elkay Brassiere Co.).*

1,489,059, P. H. Brainard, Jacketed container; 1,477,101, same, Heat-insulated container, suit filed May 29, 1924, D. C., N. D. Ill., Doc. 4043, *P. H. Brainard et al.* v. *Butler Bros.*

1,489,228. (See 1,450,080.)

1,494,086, J. A. Weil, Corset, suit filed June 3, 1924, D. C., S. D. N. Y., Doc. E 29/243. *J. A. Weil et al.* v. *I. M. Ullman et al. (Strouse, Adler & Co.).*

Des. 50,286, S. Segal, Lock casing, suit filed June 5, 1924, D. C. Conn., Doc. E 1721, *Segal Lock & Hardware Co., Inc.*, v. *Allan Lock Corp.*

Des. 52,129. (See 1,251,182.)

Des. 54,440. (See 1,326,520.)

Des. 63,255, A. Dvorak, Finial for lighting fixtures or lamps, suit filed May 13, 1924, D. C., N. D. Ill., Doc. 3989, *Beardslee Chandelier Mfg. Co.* v. *S. Kline.*

ADJUDICATED PATENTS.

(C. C. A. N. Y.) The Just and Hanaman patent, No. 1,018,502, for a tungsten-filament lamp, *Held* valid and infringed. *General Electric Co.* v. *P. R. Mallory & Co.*, 298 Fed. Rep. 579.

(C. C. A. N. Y.) The Langmuir patent, No. 1,180,159, for an electric lamp, claims 4, 5, 12, and 13 *Held* valid and infringed. *General Electric Co.* v. *P. R. Mallory & Co.*, 298 Fed. Rep. 579.

(C. C. A. Wis.) The Kelling patent, No. 1,235,697, for a fleshing machine, claims 1, 2, 3, and 5 *Held* valid and infringed. *Laskin* v. *Monarch Fleshing Machine Co.*, 298 Fed. Rep. 576.

(D. C. N. Y.) The Frederic patents, No. 1,313,232, for hair-waving means and process of producing the same, claims 5 and 7 *Held* valid and infringed, and No. 1,425,956, for hair-waving means, claims 9 and 10 *Held* valid and infringed. *E. Fredcrics, Inc.*, v. *Eugene, Limited*, 298 Fed. Rep 633.

(C. C. A. Wis.) The Schroedter and Kelling patent, No. 1,382,126, for fleshing machines, claims 1, 2, 3, and 5 *Held* valid and infringed; claim 4 *Held* valid and infringed by one machine, but not by another; claims 6, 7, and 8 *Held* invalid, and claims 9, 10, 11, and 12 *Held* not infringed. *Laskin* v. *Monarch Fleshing Machine Co.*, 298 Fed. Rep. 576.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,296,076, C. K. Harding, Electric spark plug, decided July 3, 1924, claim 2.

Pat. 1,423,926, G. Facciole, Voltage-regulating system, decided July 3, 1924, claim 1.

Pat. 1,445,227, E. B. Meyrowitz, Lens for eyeglasses and spectacles, decided June 30, 1924, claims 1 and 2.

Disclaimer.

1,382,126.—*John O. Schroedter* and *John Kelling*, Milwaukee, Wis. FLESHING MACHINE. Patent dated June 21, 1921. Disclaimer filed July 11, 1921, by the assignee, *Monarch Fleshing Machine Company.*

Hereby disclaims, under the provisions of section 4917 of the Revised Statutes, the following claims in said patent, to wit:

"6. In a fleshing machine, a supporting frame, one portion of the frame having a bearing, an axle receiving slot providing an entrance to the bearing, a rotary fleshing knife, an axle extending from the knife and disposed in said bearing and co-operating means on the axle and frame to retain the former in the bearing.

"7. In a fleshing machine, a supporting frame, one portion of the frame having a bearing, an axle receiving slot providing an entrance to the bearing, a socket surrounding the bearing, a rotary fleshing knife, an axle extending from the knife and disposed in said bearing and an element disposable on said axle and engageable in said socket to retain the axle in said bearing.

"8. In a fleshing machine, a supporting frame one portion of the frame having a bearing, an axle-receiving slot providing an entrance to the bearing, a socket surrounding the bearing, a rotary fleshing knife, an axle extending from the knife and disposed in said bearing and a nut disposed on the axle and having an annular flange seated in said socket to retain the axle in the bearing."

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 12, 1924.

[VOL. 325. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 156,580. (CLASS 39. CLOTHING.) THE KIDDIE TOGS COMPANY, Cleveland, Ohio. Filed Dec. 12, 1921.



No claim is made to the words "The Quality Line" and no claim is made to the words "Kiddie Togs" apart from the mark as shown.

Particular description of goods.—One-Piece Garments for Children—Namely, Children's Rompers, Creepers, Union Suits of Textile Fabric, and Sleeping Garments.

Claims use since about Oct. 24, 1921.

Ser. No. 158,341. (CLASS 39. CLOTHING.) TURCHIN BROS., New York, N. Y. Filed Jan. 23, 1922.



Without waiver of common-law rights no claim is made to the words "It Stretches, The Hat Fits Every Head" apart from the mark shown in the drawing. The picture of the boy is fanciful.

Particular description of goods.—Children's Hats.

Claims use since about Jan. 1, 1922.

Ser. No. 159,393. (CLASS 39. CLOTHING.) WARING HAT MANUFACTURING CORPORATION, Yonkers, N. Y. Filed Feb. 15, 1922.

WEARFELT

Particular description of goods.—Felt, Cloth, Straw, and Silk Hats and Caps for Men, Women, and Children.

Claims use since Aug. 13, 1921.

Ser. No. 161,830. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. M. FISHER CO., Attleboro, Mass. Filed Apr. 6, 1922.



The trade-mark comprises characters meaning good luck.

Particular description of goods.—Jewelry for Personal Adornment Which is Made of or Plated with Precious Metals—Namely, Swivels, Fobs, Ornamental Hairpins, Ornamental Clasp Pins, Pin Stems, Pin Joints, Pin Catches, Belt Clasps, Belt Supporters, Lingerie Clasps, Tie Clasps, Finger Rings, Key Rings, Chain Fastening Rings, Snap Fasteners, Collar Buttons, Cuff Buttons, Cuff Links, Spring Rings, Studs, Ear Fasteners, Eyeglass Holders, Eyeglass Reels, Bracelets, Belt Buckles, Lockets, Charms, Bib Holders, Pendants.

Claims use since Feb. 15, 1922.

Ser. No. 162,200. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RESPRO INC., Providence, R. I. Filed Apr. 12, 1922.

"TUFSTA"

Particular description of goods.—Sheet Fabric Comprising Unwoven Cotton Impregnated with an Adhesive, Which is Made Up and Sold as Piece Goods, to be Cut Up and Used for Stays and Other Inside Parts of Boots, Shoes, and for Other Purposes.

Claims use since December, 1921.

Ser. No. 162,213. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ERNST COTTE, doing bnsiness as: Oskar Sörgel, Leipzig, Germany. Filed Apr. 12, 1922.



Particular description of goods.—Fly Catchers.
Claims use since July 1, 1921.

Ser. No. 162,544. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GREIST MANUFACTURING COMPANY, New Haven, Conn. Filed Apr. 19, 1922.

JUNIORLITE

Particular description of goods.—Portable-Electric-Lamp Units.
Claims use since Apr. 4, 1922.

Ser. No. 162,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIESELSKABET DE DANSKE SPRITFABRIKKER, doing business as Dansk Gaer-Central, Copenhagen, Denmark. Filed Apr. 27, 1922.



Particular description of goods.—Yeast for Medical and Chemical Uses.
Claims use since 1885.

Ser. No. 166,125. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AEOLIAN COMPANY, New York, N. Y. Filed June 27, 1922.

Aeolian

Particular description of goods.—Assembled Radio-Transmitting and Receiving Sets.
Claims use since prior to June 14, 1922.

Ser. No. 166,404. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RESPRO INC., Providence, R. I. Filed July 1, 1922.



No claim is made to the words "Trade-Mark," "Products," and "Tough, Strong, Durable" apart from the mark shown in the drawing.
Particular description of goods.—Manufactured or Substitute Leather.
Claims use since Sept. 15, 1920.

Ser. No. 167,365. (CLASS 32. FURNITURE AND UPHOLSTERY.) ERNEST J. SULTAN MFG. CO., doing business for the use and benefit of Frederick B. Abenheim, San Francisco, Calif. Filed July 25, 1922.

RADESK

Particular description of goods.—Furniture Comprising Desks, Tables, Cabinets, Used in the Operation of Radio Apparatus.
Claims use since Apr. 25, 1922.

Ser. No. 170,028. (CLASS 12. CONSTRUCTION MATERIALS.) E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Sept. 28, 1922.

IMPERIAL CHROME ORE

The words "Chrome Ore" form in themselves no part of the mark.
Particular description of goods.—Refractory Cement.
Claims use since December, 1908.

Ser. No. 171,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CESARE SERONO, Rome, Italy. Filed Nov. 11, 1922.



Particular description of goods.—Preparation Composed of an Active Glyceric Solution of Gastric and Pancreatic Juices for Curing Disorders of the Digestive Organs.
Claims use since 1913.

Ser. No. 173,883. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUTH C. EATON, doing business as C. Shepard Eaton Company, Cincinnati, Ohio. Filed Dec. 27, 1922.

WONDER

Particular description of goods.—Prepared Flours, Including Particularly Doughnut Flour and Cake Flour, and Flavoring Extracts, Particularly Lemon Emulsion, Lemon Oleum, Pure Lemon Extract, Vanilla Compound, Pure Extract of Vanilla, and Orange Emulsion, Powders for Foods, Particularly Egg Yolk, Ground Caraway Seed, Pecans, Ground Cinnamon, Certified Red Color, Evaporated Raspberries, Powdered Milk, Walnuts, Caraway Seed, Filberts, Coconut, Almonds, Chopped Peanuts, Cornstarch, Poppy Seed, Chocolate, Prepared Cocoa, Butter Flavor, Mincemeat, Whip Powder, and White-Cake Powder; and Pastes, Particularly Lemon-Pie Filling, Chocolate-Pie Filling, and Pie Thick.
Claims use since July 1, 1920.

Ser. No. 174,210. (CLASS 39. CLOTHING.) DAVID MAIMAN, doing business as D. Maiman Mfg. Co. (Not Inc.), Chicago, Ill. Filed Jan. 5, 1923.

ROYAL FLUSH



Applicant disclaims the right to the exclusive use of the words "Can't be Beat" except as shown in connection with his mark. Such disclaimer is not to be construed as waiving any of applicant's common-law rights in connection therewith.
Particular description of goods.—Wearing Apparel—Namely, Trousers.
Claims use since Nov. 10, 1922.

Ser. No. 175,268. (CLASS 37. PAPER AND STATIONERY.) PEN-O-PENCIL COMPANY, New York, N. Y. Filed Jan. 29, 1923.



Without waiver of common-law rights no claim is made to the representation of the combination pen and pencil apart from the mark shown on the drawing. The mark consists in a white-colored ring or annular stripe on the outer face of the combination fountain pen and pencil, which divides the pencil from the pen portion.
Particular description of goods.—Combination Fountain Pens and Pencils.
Claims use since about Jan. 23, 1923.

Ser. No. 175,653. (CLASS 7. CORDAGE.) EAGLE DYE WORKS, Pawtucket, R. I. Filed Feb. 7, 1923.

RAINBOW

Trade-mark consists of the word "Rainbow."
Particular description of goods.—Twine.
Claims use since Jan. 23, 1923.

Ser. No. 177,961. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARPENTER COOK COMPANY, Menominee, Mich. Filed Mar. 24, 1923.

BIRCHWOOD

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish, Canned Oysters, Evaporated Milk, Canned Soups, Baking Chocolate and Cocoa, Prepared Coconut, Teas, Spices, Candy, Confections, Ice-Cream Cones, Edible Nuts in Packages, Olives, Flavoring Extracts for Food Purposes, Wheat Flour, Rice, Corn Meal, Farina, Popcorn, Tapioca, Macaroni, Corn Flakes, Pancake Flour, Prepared Bran, Potato Flour, Salt Fish, Dried and Evaporated Fruits, Gelatin, Jams, Jellies; Preserves—Namely, Raspberry, Strawberry, Apricot, Blackberry, Cherry, Loganberry, Peach, Pear, Plum, and Pineapple; Honey, Peanut Butter, Mincemeat Pie Filler, Molasses, Prepared Mustard, Olive Oil, Pickles, Lard and Lard Substitute, Cheese, Sugar, Catchup, Salad Dressing, Corn and Maple Sirup, Vinegar, Yeast, Vegetables, Butter and Butter Substitute, Eggs, Vermicelli, Cocoa, Spaghetti, Pepper, Oysters, Prunes, Peas, Pancake Flour.
Claims use since Mar. 12, 1923.

Ser. No. 178,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BROS. CO. INC., Buffalo, N. Y. Filed Mar. 27, 1923.

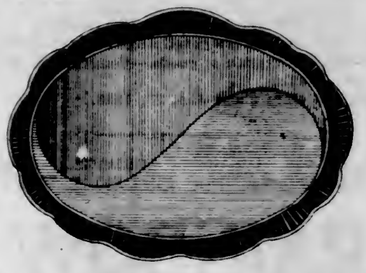


Without waiving any common-law rights no claim is made to the word "Bread" except in connection with the word "Certified," as shown.

Particular description of goods.—Bread.

Claims use since about July 25, 1919.

Ser. No. 178,484. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VITREOUS ENAMELING COMPANY, Cleveland, Ohio. Filed Apr. 2, 1923.



The drawing conventionally shows the colors red and blue.

Particular description of goods.—Table Tops, Chemical Pans (for Evaporating, Drying, Etc.), Washtub Covers, Brick Pallets, Enameled Signs, Steam-Table Pans and Covers, Enameled Serving Trays, Enameled Restaurant Fittings, Enameled Scale Pans, and Enameled Cooking Utensils.

Claims use since Feb. 15, 1923.

Ser. No. 178,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed Apr. 10, 1923.



No claim is made to the representation of the sack apart from the mark shown.

Particular description of goods.—Farm Feed or Shorts—that is, Stock Feed, Poultry Feed, and Chick Feed.

Claims use since about Sept. 1, 1921.

Ser. No. 179,653. (CLASS 12. CONSTRUCTION MATERIALS.) LEONARD B. BOTFIELD, doing business as Botfield Refractories Company, Philadelphia, Pa. Filed Apr. 25, 1923.

ADAMANT

Particular description of goods.—Refractory Bricks and High-Temperature Cement.

Claims use since on or about December, 1909.

Ser. No. 179,809. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE MCBEE BINDER COMPANY, Athens, Ohio. Filed Apr. 27, 1923.

UNIVERSAL

Particular description of goods.—Filing Cabinets.

Claims use since Sept. 1, 1922.

Ser. No. 179,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. MONTGOMERY & CO., Philadelphia, Pa. Filed Apr. 27, 1923.

"Montco Brand"

The word "Brand" is disclaimed apart from the trade-mark as shown on the drawing.

Particular description of goods.—Canned Vegetables—Namely, Asparagus, Asparagus Tips, Lima Beans, Stringless Beans, Red Kidney Beans, Beets, Sliced Beets, Spinach, Corn, Peas, Mixed Vegetables, Pumpkin, Sauerkraut, Succotash, Tomatoes; Canned Fruits—Namely, Apricots, Cherries, Peaches, Sliced Peaches, Pears, Sliced Pineapple, Crushed Pineapple, Prunes, Fruit Salad, Apple Butter; Jellies, Preserved Fruits, Canned Beans with Pork, Corn Flakes, Evaporated Milk, Coffee; Canned Fish—Namely, Salmon, Tunny Fish, Sardines, Lobster; Catchup, and Chili Sauce.

Claims use since Nov. 1, 1906.

Ser. No. 180,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAME NATURE CO., Chicago, Ill., and New York, N. Y. Filed May 2, 1923.

Dame Nature

Particular description of goods.—Face Powder, Skin Lotion, Skin-Improver Cream, Compact Rouge, Compact Powder, Liquid Powder, Cold Cream, Vanishing Cream, Liquid Rouge, Lip Sticks, Talcum and Facial Balm.

Claims use since Oct. 1, 1913.

Ser. No. 180,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAME NATURE CO., Chicago, Ill., and New York, N. Y. Filed May 2, 1923.



The trade-mark consists of a fanciful portrait or representation of a young girl.

Particular description of goods.—Face Powder, Skin Lotion, Skin-Improver Cream, Compact Rouge, Compact Powder, Liquid Powder, Cold Cream, Vanishing Cream, Liquid Rouge, Lip Sticks, Talcum and Facial Balm.

Claims use since Oct. 1, 1921.

Ser. No. 180,058. (CLASS 39. CLOTHING.) THE FAMOUS CLOTHING CO., Cleveland, Ohio. Filed May 2, 1923.

Famous

Particular description of goods.—Men's and Youths' Clothing—Namely, Men's Negligee and Work Shirts.

Claims use since Mar. 1, 1915.

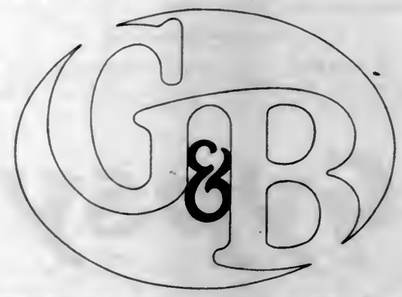
Ser. No. 180,618. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE REGAN SAFETY DEVICES COMPANY, INC., New York, N. Y. Filed May 14, 1923.



Particular description of goods.—Electrical Apparatus for Use in Automatic Train-Control Systems.

Claims use since Dec. 1, 1922.

Ser. No. 180,698. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GIBB & BROWN, INC., Dover, Del., and Columbiana, Ohio. Filed May 16, 1923.



Particular description of goods.—Pressure Grease Guns.

Claims use since May 9, 1923.

Ser. No. 181,000. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN FURNITURE COMPANY, Batesville, Ind. Filed May 23, 1923.



The words "Hillenbrand Industries," "Master-Made Furniture," and "Batesville, Indiana" are disclaimed apart from the mark shown.

Particular description of goods.—Beds, Dressers, Chiffarettes, Man's Robe Cabinets, Vanity Dressers, Night Stands, Bedroom Chairs, Bedroom Rocking-Chairs, Bedroom Benches, Man's Dressers, Lowboys, All Being Articles of Hall, Living-Room, and Bedroom Furniture.

Claims use since Feb. 6, 1923.

Ser. No. 181,001. (CLASS 32. FURNITURE AND UPHOLSTERY.) BATESVILLE CABINET COMPANY, Batesville, Ind. Filed May 23, 1923.



The words "Hillenbrand Industries," "Master-Made Furniture," and "Batesville, Indiana" are disclaimed apart from the mark shown.

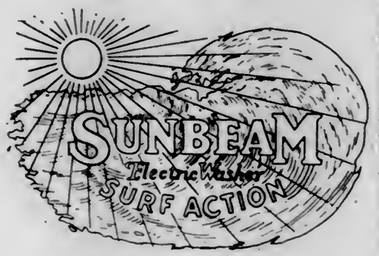
Particular description of goods.—Buffets, Hanging Mirrors, Serving Tables, Extension Tables, China Cabinets, Silver Cabinets, Dining-Room Chairs, Cupboards, and Refractory Tables.
Claims use since Feb. 6, 1923.

Ser. No. 181,776. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) QUINLAN MOTORS COMPANY, Chicago, Ill. Filed June 9, 1923.

Gypsy

Particular description of goods.—Automobile Bodies.
Claims use since January, 1922.

Ser. No. 182,071. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) SUNBEAM ELECTRIC MANUFACTURING CO., Evansville, Ind. Filed June 15, 1923.



Without waiving any common-law rights no claim is made to the words "Electric Washer" or to the word "Action" apart from the mark as shown.
Particular description of goods.—Electric Washing Machines.
Claims use since Nov. 10, 1921.

Ser. No. 184,578. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC COAST POULTRY PRODUCERS ASSOCIATION, New York, N. Y. Filed Aug. 17, 1923.

ATLANTIC COAST



No claim is made to the word "Extras" apart from the mark shown in the drawing.
Particular description of goods.—Eggs and Poultry Products, Such as Dressed Chickens, Geese, Ducks, and Turkeys.
Claims use since Sept. 1, 1922.

Ser. No. 184,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC COAST POULTRY PRODUCERS ASSOCIATION, New York, N. Y. Filed Aug. 17, 1923.

JER-Z-LAYD

Trade-mark "Jer-z-layd."
Particular description of goods.—Eggs and Poultry Products, Such as Dressed Chickens, Geese, Ducks, Turkeys, and the Like.
Claims use since May 26, 1922.

Ser. No. 184,869. (CLASS 12. CONSTRUCTION MATERIALS.) PITTSBURGH BUILDING SPECIALTIES COMPANY, Pittsburgh, Pa. Filed Aug. 22, 1923.

CONCRETE-FLUXITE

No claim is made to the word "Concrete" apart from the mark shown.
Particular description of goods.—Water-Soluble Concrete Paste for Densifying, Strengthening, and Waterproofing of Concrete.
Claims use since about July 31, 1921.

Ser. No. 185,231. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Aug. 31, 1923.

APEX

Particular description of goods.—Gas Stoves and Ranges.
Claims use since Aug. 2, 1923.

Ser. No. 185,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS NERON, New Bedford, Mass. Filed Sept. 1, 1923.



The name of applicant whose portrait appears on drawing is "Louis Neron." No claim is made to the words "Herb Medicine," "Trade-Mark," and "Excells All for Purity."
Particular description of goods.—Medical Preparation for Use in the Purification of the Blood, Bronchial Trouble, Coughs and Colds, Bladder Trouble, Kidney Trouble, Stomach Trouble, Rheumatism, Rupture, Bowel Trouble, and as an Expectorant.
Claims use since Aug. 4, 1922.

Ser. No. 185,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT B. BUCHANAN, Memphis, Tenn. Filed Sept. 1, 1923.



Applicant hereby disclaims all wording on the mark with the exception of the word "Buck."
Particular description of goods.—Stock Feeds.
Claims use since about 1912.

Ser. No. 186,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Filed Oct. 10, 1923.

HONEYMOON SPECIAL

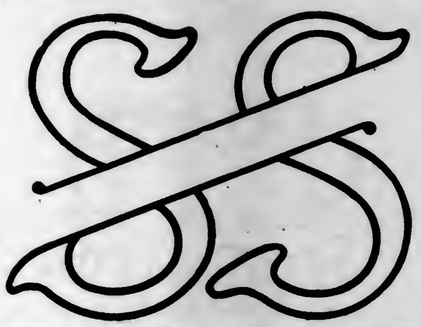
Particular description of goods.—Preserved Fruit Mixture Used as a Food Flavoring and as a Sundae Dressing.
Claims use since about May 28, 1923.

Ser. No. 186,813. (CLASS 37. PAPER AND STATIONERY.) UNITED DRUG COMPANY, Boston, Mass. Filed Oct. 10, 1923.

BlueBell

Particular description of goods.—Papeteries, Writing Tablets, and Envelopes.
Claims use since 1910.

Ser. No. 187,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAM SEELIG CO., Los Angeles, Calif. Filed Oct. 26, 1923.



Particular description of goods.—Canned Olives, Japan Green Tea, India and Ceylon Black Tea, Packed in Cartons.
Claims use since Sept. 25, 1922.

Ser. No. 187,551. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED ELECTRIC STORES COMPANY OF NEW JERSEY, New Market and Plainfield, N. J., and New York, N. Y. Filed Oct. 26, 1923.



Particular description of goods.—Wireless and Radio Telegraphy and Telephony Apparatus Assembled and in Parts—Namely, Loud Speakers, Head Sets, Variable Condensers, A and B Batteries (Dry and Storage), Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers and Adapters, Jacks and Jack Switches, Lightning Arresters, Plugs and Cords, Potentiometers, Panels, Sockets, Complete Receiving Sets, Transformers, Dials, Crystals, Mounting Boards, Amplifying and Rectifying Bulbs, Induction Coils and Coil Mountings—Electrically-Operated Vacuum Cleaners, Heating Units for Sadirons, Heating Units for Toasters, Heating Units for Chafing Dishes, Lighting Fixtures, Electrical Contacts, Switches, Bulbs, Cables, Conduits, Electric Motors and Dynamos.
Claims use since Dec. 29, 1922.

Ser. No. 188,126. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) McNEELY COMPANY, Philadelphia, Pa. Filed Nov. 8, 1923.

'SUPER-TAND'

No claim is made to the word "Tand" except in association with the word "Super."

Particular description of goods.—Leathers.

Claims use since Aug. 20, 1923.

Ser. No. 188,754. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) EMIL HERRMANN, doing business as Herrmann's Geigenhandlung, Emil Herrmann, Berlin, Germany. Filed Nov. 23, 1923.

E.H. SUPERIOR

The diagonal lines on the letters "E. H." are for shading only. The word "Superior" is disclaimed apart from its association as shown.

Particular description of goods.—Musical Instruments—Namely, Violins, Violas, Violoncellos, and Their Parts and Strings Therefor, and Bows.

Claims use since Oct. 2, 1913.

Ser. No. 189,702. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) W. D. BLOOD & COMPANY, INC., New York, N. Filed Dec. 15, 1923.

POWER PLUS

Particular description of goods.—Automobile Radiators.

Claims use since Aug. 15, 1923.

Ser. No. 190,815. (CLASS 38. PRINTS AND PUBLICATIONS.) N. H. SIMES, Louisville, Ky. Filed Jan. 14, 1924.

The Man Behind The Desk

BY THE MAN BEHIND THE CAMERA

Particular description of goods.—Newspaper Feature.

Claims use since Jan. 4, 1924.

Ser. No. 191,110. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WATSON MANUFACTURING CO., Toledo, Ohio. Filed Jan. 21, 1924.

Baby Grand

Particular description of goods.—Lathes, Drills, Millers, and Grinders.

Claims use since December, 1921.

Ser. No. 191,335. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MICA INSULATOR COMPANY, New York, N. Y. Filed Jan. 26, 1924.

ARMATITE

Particular description of goods.—Fabricated Composite Materials in the Form of Sheets and Strips for Electrical Insulation Purposes.

Claims use since Sept. 1, 1923.

Ser. No. 191,359. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) NORMAN G. BAKER, doing business as Tangley Company, Muscatine, Iowa. Filed Jan. 28, 1924.

CALLIAPHONE

Particular description of goods.—Calliopes.

Claims use since about January, 1914.

Ser. No. 191,713. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DENNIS T. MURRAY, Bridgeport, Conn. Filed Feb. 2, 1924.

JAKE

Particular description of goods.—Cleaning Composition Used for Cleaning Brass Spark Plugs; Cleaning and Polishing Articles Subject to Heat, Smoke, Gases, Dust, and the Like; to Dissolve Films, Stains, Iron Rust, and the Like from Surfaces on Which the Same is Formed, the Same Being in Paste Form.

Claims use since Oct. 15, 1922.

Ser. No. 191,747. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES COLVIN, doing business as The Spool Wire Company, Stapleton, N. Y. Filed Feb. 4, 1924.

THE SPOOL WIRE COMPANY

TRADE MARK

The words "Trade-Mark" and the representation of a spool of wire are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Insulated and Covered Copper, Iron, Aluminum, Brass, and Platinum Wire on Spools.

Claims use since Jan. 1, 1923.

Ser. No. 191,905. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 6, 1924.

STEELCRAFT

Particular description of goods.—Furniture, Household Tables, Office Tables, Kitchen Tables, and Card Tables, Office Cabinets, Radiocabinets, Stools, Chairs; Flower Furniture—Namely, Ferneries.

Claims use since June, 1921.

Ser. No. 192,084. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE PIERSON COMPANY, Rockford, Ill. Filed Feb. 9, 1924.

AMERICAN BEAUTY

Trade-mark consists of "American Beauty."

Particular description of goods.—Phonographs and Phonograph-Record-Holding Albums.

Claims use since May, 1920.

Ser. No. 192,253. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOH. GOTTL. HAUSWALDT, Magdeburg, Germany. Filed Feb. 14, 1924.

E-Gay-Hah

Particular description of goods.—Chocolate.

Claims use since Aug. 5, 1923.

Ser. No. 192,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE DEBAUGE, Neuilly-sur-Seine, France. Filed Feb. 16, 1924.

ORADO

Particular description of goods.—Beauty Cream in the Nature of Facial Clay for Application to the Skin.

Claims use since Oct. 26, 1923.

Ser. No. 192,793. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) E. W. REYNOLDS COMPANY, Los Angeles, Calif. Filed Feb. 25, 1924.

E·W·R·O

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, and Hollow and Flat Tableware and Toilet Ware Made of or Plated with Precious Metal.

Claims use since October, 1904.

Ser. No. 192,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONTGOMERIE AND COMPANY LIMITED, Glasgow, Scotland. Filed Feb. 26, 1924.

BERINA

Particular description of goods.—Oatmeal and Cereal Preparations, Full-Cream Dried Milk, Sugar of Milk, Extracts from Malted Barley, and Other Substances for Foods for Children and Invalids.

Claims use since June 3, 1897.

Ser. No. 192,998. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARKS BROS., INC., Portland, Oreg. Filed Feb. 28, 1924.

KLEN-ZA-RO

Particular description of goods.—Washing Powder.
Claims use since Apr. 25, 1916.

Ser. No. 193,053. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LEE TRAILER & BODY COMPANY, Chicago, Ill. Filed Feb. 29, 1924.

LEE-4D

Particular description of goods.—Motor-Truck Bodies.
Claims use since about Jan. 1, 1922.

Ser. No. 193,093. (CLASS 11. INKS AND INKING MATERIALS.) COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 1, 1924.

PINNACLE

Particular description of goods.—Typewriter Ribbons and Carbon Paper.
Claims use since about 1908.

Ser. No. 193,094. (CLASS 11. INKS AND INKING MATERIALS.) COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 1. 1924.

CLASSIC

Particular description of goods.—Typewriter Ribbons and Carbon Paper.
Claims use since about 1913.

Ser. No. 193,136. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES H. SHERMAN, doing business as H. D. Merritt & Co., North Attleboro, Mass. Filed Mar. 1, 1924.

NIFCOMB

Particular description of goods.—A Combination Pocketknife and Comb Contained in a Suitable Case.
Claims use since September, 1923.

Ser. No. 193,271. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHAMBERS MANUFACTURING COMPANY, Shelbyville, Ind. Filed Mar. 5, 1924.

The Thermodome
COOKS with the GAS TURNED OFF

The right to the exclusive use of the phrase "Cooks with the Gas Turned Off" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Fireless-Cooker Attachments for Cooking Ranges.
Claims use since Jan. 15, 1924.

Ser. No. 193,272. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHEMO PRODUCTS CO., New York, N. Y. Filed Mar. 5, 1924.

CHEMO

Particular description of goods.—Washing Powder for Dishes and Like Articles.
Claims use since Jan. 15, 1924.

Ser. No. 193,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWN & HALEY, Tacoma, Wash. Filed Mar. 10, 1924.

Almond Roca,

No claim is made to the exclusive use of the word "Almond" apart from the mark shown on the drawing.
Particular description of goods.—Chocolate Brittle Candy Containing Almonds.
Claims use since Dec. 21, 1923.

Ser. No. 193,527. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER LYTTON, INC., Chicago, Ill. Filed Mar. 10, 1924.

Lytton
N W E S
COMPASS
Radio
TRADE MARK

The words "Compass Radio" and "Trade Mark" and the representation of a loop antenna and compass are not claimed as trade-marks apart from the mark shown in the drawing.
Particular description of goods.—Radio Sets Adapted for Combination with Phonographs, Radio Receiving Sets, Loud Speakers, Transformers, Rectifiers, and Head Receiving Sets.
Claims use since about Jan. 1, 1924.

Ser. No. 193,556. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRI-CITY RADIO ELECTRIC SUPPLY CO., Davenport, Iowa. Filed Mar. 10, 1924.

Used All Over TRESCO RADIO The World

We do not claim the word "Radio" or the phrase "Used All Over the World" except as shown in the drawing.
Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since 1914.

Ser. No. 193,557. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRI-CITY RADIO ELECTRIC SUPPLY CO., Davenport, Iowa. Filed Mar. 10, 1924.



We do not claim the phrase "Above Them All" or the representation of a radio set except as shown in the drawing.
Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since 1914.

Ser. No. 193,562. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ABRASIVES SALES CORPORATION, New York, N. Y. Filed Mar. 11, 1924.

BLACK and WHITE

Particular description of goods.—Grinding Compound.
Claims use since Sept. 8, 1921.

Ser. No. 193,619. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JEAN PAISSEAU, Paris, France. Filed Mar. 11, 1924.

NACROLAQUE

Particular description of goods.—Imitation Mother-of-Pearl in Bulk.
Claims use since June, 1923.

Ser. No. 193,686. (CLASS 39. CLOTHING.) PETER TAMES, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Company, New York, N. Y. Filed Mar. 12, 1924.

MELROSE

Particular description of goods.—Operating Gowns, Operating Suits, Laboratory Gowns, Visitors' Gowns, Patients' Gowns, Interne Suits, Orderly Suits, Straight Jackets, Rubber Aprons, for Use in Hospitals; Coats and Aprons for Barbers, Bakers, Bartenders, Cooks, Doctors, Soda Dispensers, Stewards, Waiters; and Smocks for Artists.
Claims use since 1918.

Ser. No. 193,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD KUZIAK, doing business as American Catholic Mixed Bakery Co., New York, N. Y. Filed Mar. 13, 1924.

AMERICAN MIXED MILK BREAD
BY
AMERICAN CATHOLIC MIXED BAKERY COMPANY

No claim is made to the words "American Milk Bread" and "American Catholic Bakery Company" aside from the mark shown.
Particular description of goods.—Bread.
Claims use since Feb. 27, 1924.

Ser. No. 193,755. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREDERIC A. BOSS, doing business as Boss Electrical Supply Co., Providence, R. I. Filed Mar. 14, 1924.

BOSS

Particular description of goods.—Electric-Light-Fixture Units, Rubber-Covered and Waterproof Wire for Electrical Purposes, Electrical Switches, Electric Ranges, Electric Sadirons, Electric Heating Pads, Electric Radiators, and Electric Tape.
Claims use since Nov. 15, 1923.

Ser. No. 194,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa. Filed Mar. 25, 1924.

PON-JOLA

Particular description of goods.—Candy, Cakes, Icing, Flavoring Extracts for Food Purposes, Ice Cream, and Water Ice.
Claims use since Mar. 1, 1924.

Ser. No. 194,451. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KENDALL MANUFACTURING COMPANY, Providence, R. I. Filed Mar. 26, 1924.

Creamonia

Particular description of goods.—Washing and Cleansing Preparation.
Claims use since Mar. 3, 1924

Ser. No. 194,574. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SONGSTER PHONOGRAPH COMPANY, INC., Duluth, Minn. Filed Mar. 27, 1924.



Particular description of goods.—Phonographs and Tone Chambers.
Claims use since about Nov. 1, 1920.

Ser. No. 194,592. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DE FOREST RADIO TELEPHONE & TELEGRAPH COMPANY, Jersey City, N. J. Filed Mar. 28, 1924.

D

Particular description of goods.—Radio Apparatus and Supplies—Namely, Receiving and Amplifying Sets, Crystal Detectors, Receiving, Detecting, and Amplifying Thermionic Valves.
Claims use since 1919.

Ser. No. 194,610. (CLASS 12. CONSTRUCTION MATERIALS.) THE ONTARIO GYPSUM CO. LIMITED, Paris, Canada. Filed Mar. 28, 1924.



In trade-mark as illustrated the letters are black, the question mark white, and the background red, although such combination of colors is not considered a material part of the mark.
Particular description of goods.—Gypsum Plaster Boards.
Claims use since 1921.

Ser. No. 194,730. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y. Filed Mar. 31, 1924.

TRAYDIO

Particular description of goods.—Radio Apparatus, Parts, and Supplies, Particularly Receiving Sets.
Claims use since about Mar. 17, 1924.

Ser. No. 194,736. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) POSNER & PESSELNIK, New York, N. Y. Filed Mar. 31, 1924.

"Strong-hold"

Particular description of goods.—Thread for Stringing Pearls and Other Beads for Necklaces and the Like.
Claims use since Jan. 1, 1923.

Ser. No. 194,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEINFELS FRÈRES & CO., Vincennes, France. Filed Mar. 31, 1924.

CHANSON D'ÉTÉ

Particular description of goods.—Perfumeries and Cosmetics, Such as Creams, Pastes, Face Powder, Face Paints, Pomade, Liquid, and Crystallized Nonalcoholic Brilliantines, and Toilet Milks or Washes.
Claims use since June 27, 1922.

Ser. No. 194,748. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEINFELS FRÈRES & CO., Vincennes, France. Filed Mar. 31, 1924.

FLEUR ARDENTE

Particular description of goods.—Perfumeries and Cosmetics, Such as Creams, Pastes, Face Powder, Face Paints, Pomade, Liquid and Crystallized Nonalcoholic Brilliantines, and Toilet Milks or Washes.
Claims use since Oct. 18, 1920.

Ser. No. 194,753. (CLASS 39. CLOTHING.) TEMKO-BASS SHOE CO., INC., New York, N. Y. Filed Mar. 31, 1924.

EASY-STEPS

Particular description of goods.—Shoes of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since January, 1921.

Ser. No. 194,848. (CLASS 39. CLOTHING.) BROMLEY SHEPARD CO., INC., Lowell, Mass. Filed Apr. 2, 1924.

Snuggleband

Particular description of goods.—Abdominal Bands as an Article of Wearing Apparel.
Claims use since Feb. 1, 1924.

Ser. No. 194,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELEVATOR MILLING CO., Springfield, Ill. Filed Apr. 2, 1924.



The lines in the drawing indicate the color red.
Particular description of goods.—Cream Meal, Grits, Corn Flour, and Pearl Hominy.
Claims use since Feb. 23, 1894.

Ser. No. 194,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS MALTED MILK CO., INC., Brooklyn, N. Y. Filed Apr. 4, 1924.

MY BUDDY



No claim is made for the exclusive use of the words "Keeps 'Em Healthy" apart from the mark shown in the drawings.

Particular description of goods.—Prepared Foods—Namely, Powder Adapted for Making Chocolate Malted-Milk Beverages.

Claims use since Mar. 10, 1924.

Ser. No. 194,982. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CUTTING & WASHINGTON RADIO CORPORATION, Minneapolis, Minn. Filed Apr. 4, 1924.

TELEDYNE

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Feb. 11, 1924.

Ser. No. 195,052. (CLASS 39. CLOTHING.) CRESCENT BANDEAU INCORPORATED, New York, N. Y. Filed Apr. 5, 1924.

La Bette

Particular description of goods.—Hat Pads for Hats.

Claims use since Feb. 25, 1924.

Ser. No. 195,064. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYBREATH COMPANY, Chicago, Ill. Filed Apr. 5, 1924.

May Breath

Particular description of goods.—Candy Lozenges.

Claims use since July 1, 1922.

Ser. No. 195,118. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MYDAR RADIO CO., Newark, N. J. Filed Apr. 7, 1924.

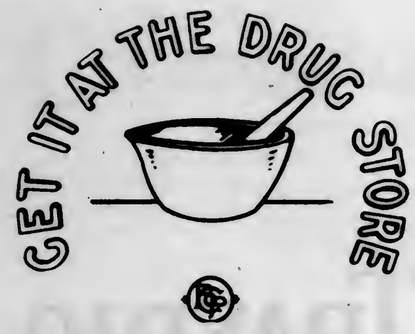
ACCURATUNE

Trade-mark consists of the coined word "Accuratune."

Particular description of goods.—Radio Electrical Apparatus and Component Parts Thereof Comprising Condensers, Transformers, Rheostats, Variometers, Variocouplers, Coils, Grid Leaks, Antenna Equipment, Insulators, Dials, Potentiometers, Battery Chargers.

Claims use since June 15, 1922.

Ser. No. 195,122. (CLASS 37. PAPER AND STATIONERY.) ORONO PULP & PAPER COMPANY, Bangor, Me. Filed Apr. 7, 1924.



Particular description of goods.—Wrapping Paper.

Claims use since Mar. 27, 1924.

Ser. No. 195,160. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ECONOMY COVER COMPANY, INC., Marlin, Tex. Filed Apr. 8, 1924.

Duro-Kool

Particular description of goods.—Automobile Seat Covers.

Claims use since Feb. 4, 1924.

Ser. No. 195,250. (CLASS 39. CLOTHING.) GEORGE A. WHITE, doing business as Cambridge Tailoring Co., Baltimore, Md. Filed Apr. 9, 1924.



Particular description of goods.—Men's Clothing, Particularly Trousers, Vests, Coats, and Overcoats.

Claims use since Jan. 15, 1924.

Ser. No. 195,289. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924.

HEARN

HOSTESS

Particular description of goods.—Table Linen, Linen Towels, and Toweling.

Claims use since Jan. 17, 1923.

Ser. No. 195,297. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MALENKA-SAGAR CO. INC., New York, N. Y. Filed Apr. 10, 1924.



The representation of a ring does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Jewelry—Namely, Finger Rings.

Claims use since Mar. 20, 192..

Ser. No. 195,397. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SIGMUND G. HECHT, doing business as Pearlglo Co., New York, N. Y. Filed Apr. 11, 1924.

Pearlglo

Trade-mark consists of the word "Pearlglo."

Particular description of goods.—Chemical Compound for Cleaning Real and Artificial Pearls.

Claims use since Apr. 4, 1924.

Ser. No. 195,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE H. H. MEYER PACKING COMPANY, Cincinnati, Ohio. Filed Apr. 11, 1924.

GOLDEN CORN

Particular description of goods.—Pork and Pork Products—Namely, Bacon, Ham, and Lard.

Claims use since about 1900.

Ser. No. 195,477. (CLASS 2. RECEPTACLES.) THE BARTELDES SEED COMPANY, Lawrence, Kans. Filed Apr. 14, 1924.

SOEZY

Particular description of goods.—Hand Planters in the Nature of a Container for Seeds.

Claims use since Mar. 1, 1924.

Ser. No. 195,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUTLER COUNTY MILLING COMPANY, Poplar Bluff, Mo. Filed Apr. 14, 1924.



Particular description of goods.—Fine White Flour, Graham Flour, Self-Rising Flour, Buckwheat Flour, and All Grades of White Flour.

Claims use since Jan. 1, 1924.

Ser. No. 195,579. (CLASS 39. CLOTHING.) JOHNSTOWN WOOLSHOE CO., Johnstown, N. Y. Filed Apr. 15, 1924.

WULSHU

Particular description of goods.—Shoes and Slippers of Leather with a Fleeced Lining.

Claims use since Sept. 1, 1921.

Ser. No. 195,636. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRISWOLD SAFETY SIGNAL CO., Minneapolis, Minn. Filed Apr. 16, 1924.

Bobby

Particular description of goods.—Self-Arighting Traffic Semaphores.
Claims use since on or about Oct. 1, 1923.

Ser. No. 195,702. (CLASS 39. CLOTHING.) H. LOEB & CO., INC., New York, N. Y. Filed Apr. 17, 1924.



Particular description of goods.—Underwear, Bath Suits, Sport Coats, Sweater Coats, Vests, Jackets, Petticoats, Nightshirts, Bellybands, Knee Warmers Made of Knitted, Netted, and Textile Fabrics, for Men, Women, and Children.
Claims use since Jan. 28, 1924.

Ser. No. 195,704. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MAJOR ENGINEERING CORPORATION, Chicago, Ill. Filed Apr. 17, 1924.

MAJOR METAL

No claim is made to the word "Metal" apart from the mark as shown.
Particular description of goods.—Castings, Metal Ingots, Sheet Metal, Metal Bars, Wire, Forgings, Stamped and Pressed Metals, and Aluminum Alloys.
Claims use since Apr. 3, 1924.

Ser. No. 195,729. (CLASS 38. PRINTS AND PUBLICATIONS.) ALBERT PUBLISHING CO., New York, N. Y., assignor to Dell Publishing Company, New York, N. Y. Filed Apr. 18, 1924.

MARRIAGE

Particular description of goods.—Magazine Published Monthly.
Claims use since Mar. 20, 1924.

Ser. No. 195,731. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN BED COMPANY, St. Louis, Mo. Filed April 18, 1924.

OUT-O-SITE

Particular description of goods.—Folding Beds.
Claims use since July 15, 1923.

Ser. No. 195,736. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CAMEO RECORD CORPORATION, New York, N. Y. Filed Apr. 18, 1924.

Cameo-Kid

Particular description of goods.—Phonograph Records.
Claims use since Apr. 14, 1924.

Ser. No. 195,887. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 21, 1924.

THE KING BEE

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.
Claims use since the 1st day of Apr., A. D. 1900.

Ser. No. 195,981. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PATHE PHONOGRAPH AND RADIO CORPORATION, Brooklyn, N. Y. Filed Apr. 22, 1924.

MINUTE MAN

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Feb. 6, 1924.

Ser. No. 195,982. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PATHE PHONOGRAPH AND RADIO CORPORATION, Brooklyn, N. Y. Filed Apr. 22, 1924.

DEPUTY

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Jan. 30, 1924.

Ser. No. 196,057. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GOOD-SIEGEL, INC., New York, N. Y. Filed Apr. 24, 1924.

GOODSEAL

Particular description of goods.—Watch Dials and Watch Movements.
Claims use since Nov. 1, 1923.

Ser. No. 196,168. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924.

BEAUTY WHITE

The word "White" appearing on the drawing is not a part of the trade-mark and is hereby disclaimed.
Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes, and All Leather Articles.
Claims use since the 1st day of February, A. D. 1898.

Ser. No. 196,169. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924.

FAULTLESS

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes, and All Leather Articles.
Claims use since the 1st day of February, A. D. 1906.

Ser. No. 196,204. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SUPERIOR NOVELTY MFG. CO., INC., Linden, N. J. Filed Apr. 26, 1924.

Dolly

The lines shown upon the drawing are not indicative of a red color.
Particular description of goods.—Combs.
Claims use since Apr. 10, 1924.

Ser. No. 196,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROWNTREE AND COMPANY LIMITED, York, England, and Poughkeepsie, N. Y. Filed Apr. 29, 1924.

Chufru

Particular description of goods.—Candy.
Claims use since Sept. 10, 1923.

Ser. No. 196,330. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HAROLD C. BRECKENRIDGE, doing business as The Breckenridge Electric Company, Detroit, Mich. Filed Apr. 30, 1924.

Crystalstat

Particular description of goods.—Crystals and Crystal Detectors or Rectifiers for Reflex or Other Circuits.
Claims use since Mar. 1, 1924.

Ser. No. 196,359. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VAUGHAN COMPANY, Chicago, Ill. Filed Apr. 30, 1924.

"Jim Vaughan"

Trade-mark consists of the term "Jim Vaughan" in the hand writing of the vice president and general manager of Vaughan Company.
Particular description of goods.—Electrically-Operated Meat and Bone Cutting Machines.
Claims use since Feb. 15, 1924.

Ser. No. 196,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISAAC E. EMERSON, doing business as Brooklandwood Dairy, Lutherville, Md. Filed May 1, 1924.

CHOC-O-LAC

Particular description of goods.—Liquid Food Product Composed of Milk Partially Skimmed or Whole, Chocolate or Cocoa, Sugar, Flavoring Extract, and Marshmallow.
Claims use since Mar. 15, 1919.

Ser. No. 196,398. (CLASS 11. INKS AND INKING MATERIALS.) THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed May 1, 1924.

MILLER LINE

No claim is made to the word "Line" apart from the mark shown in the drawing.

Particular description of goods.—Inked Ribbons and Carbon Papers.

Claims use since Aug. 1, 1923.

Ser. No. 196,407. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HENRY STADLMAIR CO. INC., New York, N. Y. Filed May 1, 1924.

AVALON

Particular description of goods.—Banjos, Guitars, Ukuleles, Mandolins, Vellum Sounding Boards, Strings, Bridges, Tenor Drums, Banjo Tail Bridges, and Banjo Bridges.

Claims use since Feb. 1, 1924.

Ser. No. 196,408. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HENRY STADLMAIR CO. INC., New York, N. Y. Filed May 1, 1924.

TRIPLE X

Particular description of goods.—Banjos, Guitars, Ukuleles, Mandolins, Vellum Sounding Boards, Strings, Bridges, Tenor Drums, Banjo Tail Bridges, and Banjo Bridges.

Claims use since Feb. 1, 1924.

Ser. No. 196,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SULPHO-NAPTHOL COMPANY, Boston, Mass. Filed May 1, 1924.

Sylphodine

Particular description of goods.—Antiseptic Ointment for Cuts, Burns, Sores, Bruises, Scratches, Canker, Cold Sores, Boils, Bedsores, Sunburn, Chapped Skin, Dry Eczema, Pimples and Rashes, Insect Bites, Ivy Poisoning, Burning Caloused Feet, Itching, Inflamed, or Chafed Skin.

Claims use since Dec. 27, 1923.

Ser. No. 196,416. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HARRY VERWER, Oakland, Calif. Filed May 1, 1924.

VERINI

Particular description of goods.—Musical Instruments—Namely, Accordions.

Claims use since Oct. 15, 1923.

Ser. No. 196,420. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BROADCAST MANUFACTURES, INC., New York, N. Y. Filed May 2, 1924.

NEUTRODIAL

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Mar. 31, 1924.

Ser. No. 196,441. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed May 2, 1924.

TELOMONIC

Particular description of goods.—Radio Receiving Sets and Parts Thereof—Namely, Condensers, Variometers, Transformers, Variotransformers, and Compensating Condensers.

Claims use since Apr. 2, 1924.

Ser. No. 196,487. (CLASS 17. TOBACCO PRODUCTS.) TICHENOR CIGAR CO., INC., Peekskill, N. Y. Filed May 2, 1924.

JUSTICE TOMPKINS



The name and portrait being those of Justice Tompkins.

Particular description of goods.—Cigars.

Claims use since 1911.

Ser. No. 196,488. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TRENTON PORCELAIN COMPANY, Trenton, N. J. Filed May 2, 1924.

MEDIUM JOE

Particular description of goods.—Electric Insulators.

Claims use since Aug. 27, 1923.

Ser. No. 196,524. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KIRKMAN ENGINEERING CORPORATION, New York, N. Y. Filed May 3, 1924.

K-E

Particular description of goods.—Condensers, Rheostats, Sockets, Lighting Arresters, Loud Speakers, Head Sets, and Receiving Sets.

Claims use since Feb. 19, 1924.

Ser. No. 196,550. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HENRY STADLMAIR CO. INC., New York, N. Y. Filed May 3, 1924.

ACE

Particular description of goods.—Banjos, Guitars, Ukuleles, Mandolins, Vellum Sounding Boards, Strings, Bridges, Tenor Drums, Banjo Tail Bridges, and Banjo Bridges.

Claims use since Feb. 1, 1924.

Ser. No. 196,658. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Filed May 6, 1924.

BAR-BRAND

No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Cut Lace Leather and Lace Leather in Sides.

Claims use since on or about Jan. 1, 1924.

Ser. No. 196,665. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KLAUBER BROS. & CO., New York, N. Y. Filed May 6, 1924.

SHADESURE

Particular description of goods.—Cotton Piece Goods.

Claims use since Mar. 1, 1924.

Ser. No. 196,671. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) PACIFIC NOVELTY COMPANY, New York, N. Y. Filed May 6, 1924.

LADY BOBBIE

Particular description of goods.—Barrettes and Combs Made of Pyroxylin.

Claims use since May 5, 1922.

Ser. No. 196,724. (CLASS 39. CLOTHING.) WIMELBACHER & RICE, New York, N. Y. Filed May 7, 1924.

PLATINUM-AMERICA

No claim is made to the exclusive use of the word "America" apart from the mark as shown in the drawing without, however, waiving the common-law right to the exclusive use of the words "Platinum-America." Trade-mark "Platinum-America."

Particular description of goods.—Fabric and Leather Gloves.

Claims use since April, 1923.

Ser. No. 196,802. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn. Filed May 9, 1924.

NORMANDY CHIMES

Particular description of goods.—Clocks.
Claims use since April, 1923.

Ser. No. 196,819. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MASONIC SERVICE ASSOCIATION OF THE UNITED STATES, Washington, D. C. Filed May 9, 1924.

The MASTER MASON

Particular description of goods.—Monthly Magazines.
Claims use since Jan. 20, 1924.

Ser. No. 196,827. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ADOLPHE SCHWOB, Inc., New York, Filed May 9, 1924.

DIONE

Particular description of goods.—Watches and Watch Movements.
Claims use since Mar. 1, 1924.

Ser. No. 196,886. (CLASS 39. CLOTHING) A. SHELTON DAVENPORT, Danbury, Conn. Filed May 10, 1924.

Davenport Interfelted TITE-FUR-FELT

The words "Davenport," "Interfelted," and "Tite-Fur-Felt" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Jan. 1, 1924.

Ser. No. 196,917. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LIBERTY WATCH CASE CO., New York, N. Y. Filed May 12, 1924.

PLATNO

Particular description of goods.—Watchcases.
Claims use since Apr. 28, 1924.

Ser. No. 197,016. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CLINCHFIELD COAL CORPORATION, Dante, Va. Filed May 14, 1924.

COAL CLINCHFIELD SERVICE MOSS

No claim is made to the words "Coal" and "Service" apart from the mark shown in the drawing.
Particular description of goods.—Coal.
Claims use since Dec. 28, 1915.

Ser. No. 197,024. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed May 14, 1924.

ASCOT

Trade-Mark consists of the word "Ascot."
Particular description of goods.—Cotton Piece Goods.
Claims use since June, 1922.

Ser. No. 197,072. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany. Filed May 15, 1924.

Largo

Particular description of goods.—Clocks (Exclusive of Striking Clocks), Stop Watches, and Watches.
Claims use since Apr. 23, 1923.

Ser. No. 197,074. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany. Filed May 15, 1924.

MODERATOR

Particular description of goods.—Clocks and Parts Thereof.
Claims use since Sept. 15, 1923.

Ser. No. 197,106. (CLASS 39. CLOTHING.) DAVID MUSSOFF, doing business as D. Mussoff Shoe Co., Pittsburgh, Pa. Filed May 15, 1924.

Lincoln Boot Shops Honest Values For Men & Women

Trade Mark

No claim is made to the exclusive use of the words "Lincoln Boot Shops," "Honest Value for Men & Women," and "Trade Mark" appearing on the drawing apart from the mark as shown.
Particular description of goods.—Shoes Which are Made from Leather or Fabric, or from a Combination of Leather and Fabric.
Claims use since Mar. 12, 1924.

Ser. No. 197,114. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL C. REED, doing business as The Reed Laboratories, Chicago, Ill. Filed May 15, 1924.

IN-DAH

Particular description of goods.—Tissue Cream, Bleaching Cream, Complexion Powder, and Luster, Which Latter is a Hair and Scalp Tonic and Also Serves to Keep the Hair in Place.
Claims use since Dec. 1, 1923.

Ser. No. 197,125. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE ACME SPECIALTY MFG. CO., Toledo, Ohio. Filed May 16, 1924.

C-BACK

Particular description of goods.—Automobile Mirrors.
Claims use since Apr. 15, 1924.

Ser. No. 197,196. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECDRIVE MANUFACTURING COMPANY INC., Syracuse, N. Y. Filed May 17, 1924.

Elecdrive

Particular description of goods.—Electric Tools for Driving Studs, Nuts, Wrenches, Drills, Cap Screws, Wood Screws, Etc.
Claims use since Apr. 1, 1923.

Ser. No. 197,268. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) NED D. FITCH, Kalamazoo, Mich. Filed May 19, 1924.

KALAMOND

Particular description of goods.—Precious and Semi-precious Stones.
Claims use since Feb. 1, 1924.

Ser. No. 197,296. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERTS AND SCHAEFER COMPANY, Chicago, Ill. Filed May 19, 1924.

RANDS

Particular description of goods.—Screens, Picking Tables, Loading Booms, Mine Tipples, Locomotive-Coaling Stations, Cinder Hoists, and Material Handling, Conveying and Treating Machinery.
Claims use since December, 1904.

Ser. No. 197,313. (Class 39. (CLOTHING.) WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo. Filed May 19, 1924.

F.S.C. FOR SPECIAL FITTING

No claim is made for the words "For Special Fitting" appearing in the drawing apart from the mark as shown.
Particular description of goods.—Leather Shoes and Cloth Shoes for Men, Women, and Children.
Claims use since Apr. 12, 1924.

Ser. No. 197,335. (CLASS 39. CLOTHING.) PAUL MANDEL & BRO., Philadelphia, Pa. Filed May 20, 1924.

ROYAL XXX SERGE

The word "Serge" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Men's and Young Men's Shirts.

Claims use since August, 1923.

Ser. No. 197,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LANGENBERG GRAIN CO., St. Louis, Mo., and New Orleans, La. Filed May 21, 1924.

MARCA EL POTRO

No claim is made to the use of the word "Marca" apart from the trade-mark shown in the drawing, applicant reserving all common-law rights thereto as displayed.

Particular description of goods.—Yellow Corn and White Oats.

Claims use since Dec. 22, 1923.

Ser. No. 197,404. (CLASS 39. CLOTHING.) R. H. WHITE COMPANY, Boston, Mass. Filed May 21, 1924.

Navy Boys

Particular description of goods.—Boys' Suits, Boys' Hats and Caps, Blouses, Coats, Trousers, Overcoats, Undershirts, Underdrawers and Union Suits of Knitted and Textile Fabrics, and Collars and Neckties.

Claims use since February, 1922.

Ser. No. 197,411. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MILTON H. BIOW, New York, N. Y. Filed May 22, 1924.

VITEX Elastic

No rights are asserted to the exclusive use of the word "Elastic" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Narrow Fabrics—Namely, Elastics.

Claims use since about Mar. 15, 1924.

Ser. No. 197,431. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. J. HAGUE & CO., INC., New York, N. Y. Filed May 22, 1924.

Nualastic

Particular description of goods.—Braids and Narrow Elastic Webbings.

Claims use since February, 1924.

Ser. No. 197,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSKAR PISCHINGER, INC., New York, N. Y. Filed May 22, 1924. Under ten-year proviso.

PISCHINGER

Particular description of goods.—Cakes, Candy, Chocolate, and Pastry.

Claims use since 1846.

Ser. No. 197,589. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DYESTUFFS CORPORATION OF AMERICA, Boston, Mass. Filed May 26, 1924.

DCA

Particular description of goods.—Leather Oils and Greases.

Claims use since Apr. 2, 1924.

Ser. No. 197,618. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PIONEER LUBRICATOR CORPORATION, Long Beach, Calif. Filed May 26, 1924.

ARCADIA

The representation of the oil cup is disclaimed apart from the mark shown by the drawing.

Particular description of goods.—Lubricator Cups and Devices.

Claims use since Apr. 30, 1924.

Ser. No. 197,665. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALBERT E. HUTT, Ardmore, Pa. Filed May 27, 1924.

TUT SEMI-ENCLOSED UPPER DECK

The exclusive right to the words "Semi-Enclosed Upper Deck" is herein disclaimed apart from the mark shown in the drawing without, however, waiving any common-law rights thereto.

Particular description of goods.—Double-Deck Motor Busses.

Claims use since Apr. 15, 1924.

Ser. No. 197,674. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW ENGLAND ELECTRIC SPECIALTY CO., now by change of name Northeastern Radio Inc., Boston, Mass. Filed May 27, 1924.

The Microphone

Particular description of goods.—Publications Issued at Regular Intervals.

Claims use since Apr. 28, 1924.

Ser. No. 197,675. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW ENGLAND ELECTRIC SPECIALTY CO., now by change of name Northeastern Radio Inc., Boston, Mass. Filed May 27, 1924.

Particular description of goods.—Publications Issued at Regular Intervals.

Claims use since Apr. 28, 1924.

Ser. No. 197,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. FRANCESCONI & CO., New York, N. Y. Filed May 28, 1924.

FRANCESCO

Particular description of goods.—Olive Oil.

Claims use since May 15, 1924.

Ser. No. 197,787. (CLASS 39. CLOTHING.) WALKER SHOE COMPANY, Cincinnati, Ohio. Filed May 28, 1924.

THE WALKER SHOE FOR MEN

No claim is made to the words "The Shoes for Men" apart from the mark shown in the drawing. The drawing is lined to indicate a green background.

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Any Combination of the Same.

Claims use since Mar. 15, 1924.

Ser. No. 197,818. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH KARIKAS, Wendel, W. Va. Filed May 29, 1924.

VIM-O

Particular description of goods.—Medicine for Sore Throat and Throat Swellings.

Claims use since Feb. 16, 1902.

Ser. No. 197,822. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. E. LOUDON & COMPANY, Boston, Mass., and Rochester, N. Y. Filed May 29, 1924.

MAHANITE

Particular description of goods.—Bearings.

Claims use since Oct. 5, 1923.

Ser. No. 197,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OLIVE OIL COMPANY, INC., New York, N. Y. Filed May 29, 1924.

CLIO
BRAND
IMPORTED
OLIVE OIL



We disclaim herewith the descriptive words "Brand," "Imported," and "Olive Oil" in connection with our application.

Particular description of goods.—Olive Oil.
Claims use since Sept. 16, 1919.

Ser. No. 197,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY P. CLEARWATER, Hallowell, Me. Filed May 31, 1924.

KILKORN

Particular description of goods.—Pharmaceutical Preparation for the Treatment of Corns, Warts, and Callf.
Claims use since Apr. 1, 1924.

Ser. No. 197,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEANETTE MARKER, Chicago, Ill. Filed May 31, 1924.



Particular description of goods.—Face Enamel, Skin and Tissue Cream, and Cleansing Lotion.
Claims use since Nov. 22, 1923.

Ser. No. 197,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS T. WORKMAN, doing business as T. Workman, Indianapolis, Ind. Filed May 31, 1924.

ICY MOUNT

Particular description of goods.—Chocolate Sirup for Food Purposes.
Claims use since about May 1, 1924.

Ser. No. 198,000. (CLASS 39. CLOTHING.) THE ENRO SHIRT CO. INC., Louisville, Ky. Filed June 3, 1924.

SPICK-SPAN-SPORT

No claim is made to the word "Sport" apart from the mark as shown in the drawing.

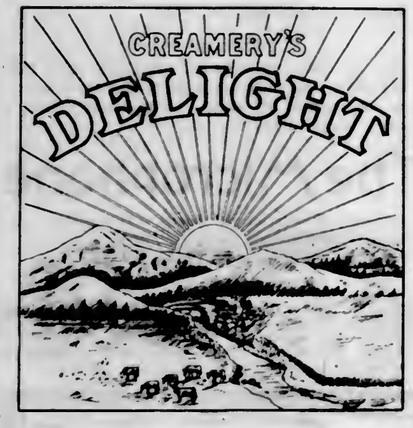
Particular description of goods.—Dress Shirts.
Claims use since Oct. 1, 1923.

Ser. No. 198,019. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MONARCH ALUMINUM WARE CO., Cleveland, Ohio. Filed June 3, 1924.

"Dollyo"

Particular description of goods.—Hub Sets for Use in Connection with Vehicles.
Claims use since Nov. 15, 1923.

Ser. No. 198,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONTANA PROCESS COMPANY, Missoula, Mont. Filed June 3, 1924.



Particular description of goods.—Preparation for Use in Destroying the Acidity in Cream Used in Making Butter in Creameries.
Claims use since Apr. 19, 1924.

Ser. No. 198,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER M. DORSCH, doing business as White Cross Bakery, Washington, D. C. Filed June 4, 1924.

Dorsch's
MEAL TIME
BREAD
"Sold on its Merit —not its Name"

The word "Bread" and the phrase "Sold on Its Merit—Not Its Name" are hereby disclaimed except in combination with the mark shown, applicant, however, not waiving any common-law rights in the mark as a whole. The words "Meal Time Bread" and the cap are lined to indicate the color yellow.

Particular description of goods.—Bread.
Claims use since Dec. 1, 1923.

Ser. No. 198,103. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE ALLIED BELTING COMPANY, Greenville, Ohio. Filed June 5, 1924.



Particular description of goods.—Belting.
Claims use since Jan. 1, 1924.

Ser. No. 198,125. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924.

SUPREME

Particular description of goods.—Tents and Tarpaulins.
Claims use since Feb. 15, 1923.

Ser. No. 198,136. (CLASS 17. TOBACCO PRODUCTS.) SOCIÉTÉ ANONYME ED. LAURENS—"LE KHÉDIVE" EXTENSION BELGE, Brussels, Belgium. Filed June 5, 1924.

PRINCE DE MONACO

Particular description of goods.—Cigarettes.
Claims use since 1909.

Ser. No. 198,175. (CLASS 12. CONSTRUCTION MATERIALS.) CONCRETE SURFACE CORPORATION, New York, N. Y. Filed June 6, 1924.

TEXTURED
CON-TEX
CONCRETE

No claim is made to the exclusive use of the words "Textured" and "Concrete" apart from the mark shown.

Particular description of goods.—Material for Treating Concrete, Including Stucco, to Expose Aggregate Therein.
Claims use since Apr. 26, 1924.

Ser. No. 198,185. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOFFMAN BROS., INC., New York, N. Y. Filed June 6, 1924.



No rights are asserted to the exclusive use of the word "Watches" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Watches, Watch Movements, Watchcases, Clocks, and Parts Thereof.
Claims use since Apr. 14, 1924.

Ser. No. 198,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. KURZ & CO. INC., Philadelphia, Pa. Filed June 7, 1924.

RITEKURTZ

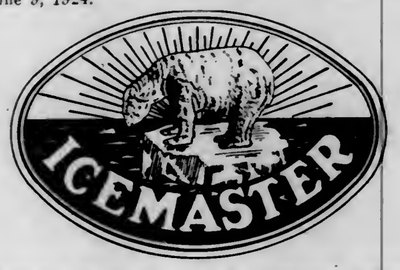
Particular description of goods.—Salt, Table Salt, Industrial Salt, and Glauber Salt.
Claims use since Jan. 1, 1924.

Ser. No. 198,260. (CLASS 36. MUSICAL INSTRUHENTS AND SUPPLIES.) SIMSON & FREY, INC., New York, N. Y. Filed June 7, 1924.

★ *Gold Star*

Particular description of goods.—Saxophone and Cornet Reeds.
Claims use since Jan. 15, 1924.

Ser. No. 198,310. (CLASS 31. FILTERS AND REFRIGERATORS.) IRVING L. KEITH, Haverhill. Mass. Filed June 9, 1924.



Particular description of goods.—Automatic Refrigeration Apparatus.
Claims use since May, 1923.

Ser. No. 198,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GEORGE W. LUFT CO., INC., Long Island City, N. Y. Filed June 9, 1924.

TANGEE

Particular description of goods.—Complexion Powder, Face Lotions, and Nail Polishes.
Claims use since May 14, 1924.

Ser. No. 198,323. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PHILLIP B. PAUL, New York, N. Y. Filed June 9, 1924.



Particular description of goods.—Cocoa Mats.
Claims use since Apr. 25, 1924.

Ser. No. 198,329. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) D. C. SHOEMAKER COAL COMPANY, Chicago, Ill. Filed June 9, 1924.

FIRESIDE

Particular description of goods.—Coal.
Claims use since Mar. 18, 1924.

Ser. No. 198,338. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BLUE SEAL CLEANSERS, INC., New York, N. Y. Filed June 10, 1924.



The words "New York" are disclaimed apart from the mark shown.
Particular description of goods.—Mineral Product in Pulverized Form for Cleaning Tile, Marble, Wood, Concrete, and Linoleum Floors; for Cleaning Painted Walls, Woodwork, and Furniture; for Cleaning Windows, Skylights, Mirrors, and Show Cases; for Cleaning Carpets and Window Shades; for Washing Dishes; for Use in the Bath for Cleaning the Pores of the Human Skin and Removing Offensive Bodily Odors; for Cleaning and Purifying Apparatus Used in Dairies and Ice-Cream Plants.
Claims use since Apr. 1, 1924.

Ser. No. 198,344. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

BIRTHFLOWER

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,354. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

SNOWDROP

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,388. (CLASS 38. PRINTS AND PUBLICATIONS.) TILGHMAN MOYER COMPANY, Allentown, Pa. Filed June 10, 1924.

Foresight

Particular description of goods.—Title of a Periodical Publication Devoted to the Subject of Buildings, Their Design, Construction, Psychological and Economic Value, Together with Other Subjects Relating Thereto.
Claims use since March, 1923.

Ser. No. 198,398. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CARRIER CONSTRUCTION COMPANY, INC., Newark, N. J. Filed June 11, 1924.

SPIROFIN

Particular description of goods.—Tubular Radiators or Heaters.
Claims use since Mar. 10, 1924.

Ser. No. 198,402. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Filed June 11, 1924.

SLATEOID

Particular description of goods.—Slate Substitutes.
Claims use since April, 1924.

Ser. No. 198,406. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROB FOOD PRODUCTS CO., New York, N. Y. Filed June 11, 1924.

OKO

Particular description of goods.—Chocolate-Flavored Malted Milk in Powdered Form for the Making of a Food Drink.
Claims use since Apr. 21, 1924.

Ser. No. 198,420. (CLASS 28. JEWELRY AND PRECIONS-METAL WARE.) POWERS & MAYER MANUFACTURING CORPORATION, New York, N. Y. Filed June 11, 1924.

Floral

Particular description of goods.—Wedding and Other Finger Rings.
Claims use since June 2, 1924.

Ser. No. 198,453. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CELLO PRODUCTS INCORPORATD, New York, N. Y. Filed June 12, 1924.

Cel-o-glass

Particular description of goods.—Composition of Matter Which When Hardened by Evaporation Forms a Transparent or Translucent Elastic Body or Film, Said Composition Being of Such a Character That it May Be Used with or without a Reticulated Base Material.
Claims use since Mar. 26, 1923.

Ser. No. 198,473. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE PLAYTIME MANUFACTURING COMPANY, Columbus, Ohio. Filed June 12, 1924.

kiddie kamp

Particular description of goods.—Folding Tents.
Claims use since May 12, 1924.

Ser. No. 198,476. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REX-OIL COMPANY, INC., Pittsburgh, Pa. Filed June 12, 1924.

SHOE INSURANCE
PROTECTS YOUR SHOES
ACAINST
The Wolves of Destruction



Particular description of goods.—Preparations for Cleaning and Polishing Shoes, Some of Which Preparations Include a Dye Ingredient.
Claims use since May, 1923.

Ser. No. 198,497. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 13, 1924.

Crayograph

Particular description of goods.—Crayons—Namely, Pressed Crayons.
Claims use since 1907.

Ser. No. 198,498. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 13, 1924.

Crayonex

Particular description of goods.—Crayons—Namely, Wax Crayons.
Claims use since 1907.

Ser. No. 198,499. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 13, 1924.

Kroma

Particular description of Goods.—Crayons, Water Colors.
Claims use since 1922.

Ser. No. 198,500. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed June 13, 1924.

PASTELLO

Particular description of goods.—Crayons—Namely, Pastel Crayons.
Claims use since 1902.

Ser. No. 198,550. (CLASS 2. RECEPTACLES.) WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed June 13, 1924.

Art Kraft

Particular description of goods.—Paper Bags.
Claims use since February, 1918.

Ser. No. 198,590. (CLASS 2. RECEPTACLES.) SOCIÉTÉ ANONYME DES ETABLISSEMENTS ROUZAUD "A LA MARQUISE DE SÉVIGNÉ" CHOCOLAT DE ROYAT, Royat-les-Bains, France. Filed June 14, 1924.

A la Marquise de Sévigné

Particular description of goods.—Confectionery Boxes.
Claims use since June 3, 1904.

Ser. No. 198,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASPEGREN & CO., INC., New York, N. Y. Filed June 16, 1924.

ASPOLA

Particular description of goods.—Salad Oil.
Claims use since June 2, 1924.

Ser. No. 198,635. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAMILTON MANUFACTURING COMPANY, Seattle, Wash. Filed June 16, 1924.

FLAVEX

Particular description of goods.—Food-Flavoring Extracts.
Claims use since Apr. 30, 1924.

Ser. No. 198,643. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KARL W. KAHMANN, Chicago, Ill. Filed June 16, 1924.



Particular description of goods.—Mounted Specimens, Taxidermists' Supplies, and Fur Rugs and Robes.
Claims use since Apr. 14, 1924.

Ser. No. 198,663. (CLASS 31. FILTERS AND REFRIGERATORS.) THE MODERN REFRIGERATOR COMPANY, Peru, Ind. Filed June 16, 1924.

SHASTA

Particular description of goods.—Refrigerators.
Claims use since Dec. 7, 1923.

Ser. No. 198,664. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOORMAN MFG. CO., Quincy, Ill. Filed June 16, 1924.



Particular description of goods.—Prepared Stock Feed.
Claims use since Jan. 1, 1913.

Ser. No. 198,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. KLIPSTEIN AND COMPANY, Woodbridge, N. J., and New York, N. Y. Filed June 17, 1924.

AQUASOL

Particular description of goods.—Soluble Sulphonated Oil to Assist in Securing Softness and Luster of Finish and a Greater Penetration of Dyestuffs on Textile and Leather.
Claims use since Mar. 1, 1921.

Ser. No. 198,715. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM HENRY LEE, Pittsburgh, Pa. Filed June 17, 1924.



Particular description of goods.—Medicine for the Treatment of Rheumatism and Impurities of the Blood.
Claims use since June 9, 1924.

Ser. No. 198,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & CO. INC., Chicago, Ill. Filed June 18, 1924.

DeWitt's



Particular description of goods.—Eye Bath.
Claims use since October, 1922.

Ser. No. 198,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed June 19, 1924.



The name "O. K. Mills" appearing on the specimens is merely a trade name owned and used by the applicant.
Particular description of goods.—Flour, and Particularly Self-Rising Flour.
Claims use since June, 1923.

Ser. No. 198,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRY BUTTERMILK COMPANY, Waseca, Minn. Filed June 19, 1924.

MADE OF THE MIST

Particular description of goods.—Dehydrated Pasteurized Sweet-Cream Buttermilk Powder.
Claims use since Apr. 2, 1924.

Ser. No. 198,798. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ANNE W. GEIGERMAN, New York, N. Y. Filed June 19, 1924.

SUZANNE

Trade-mark consists of the word "Suzanne."
Particular description of goods.—Shoulder Strap for Ladies' Underwear.
Claims use since May 15, 1924.

Ser. No. 198,842. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CARRIER ENGINEERING CORPORATION, Newark, N. J. Filed June 20, 1924.

MANUFACTURED WEATHER

Particular description of goods.—Air Conditioning, Drying, and Ventilating Equipment Comprising Humidifiers, Dehumidifiers, Driers, and Ducts, Control Boards and Doors for the Same.
Claims use since Sept. 16, 1919.

Ser. No. 198,849. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 20, 1924.

ECLAT

Particular description of goods.—Silk Piece Goods.
Claims use since May 16, 1924.

Ser. No. 198,850. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 20, 1924.

ARGYLE

Particular description of goods.—Silk Piece Goods.
Claims use since May 16, 1924.

Ser. No. 198,861. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 20, 1924.

KARAMANIAN

Particular description of goods.—Piece Goods, Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Sept. 27, 1923.

Ser. No. 198,876. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed June 20, 1924.

WARRIOR

Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Sept. 1, 1923.

Ser. No. 198,877. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed June 20, 1924.



Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Feb. 15, 1924.

Ser. No. 198,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SWEDISH PRODUCE CO., Chicago, Ill. Filed June 20, 1924.

CASTLE

Particular description of goods.—Bread.
Claims use since Dec. 30, 1919.

Ser. No. 198,891. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TAYLOR BEVERAGE & CANDY CO., Rhinelander, Wis. Filed June 20, 1924.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Aug. 1, 1923.

Ser. No. 198,894. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERTO VALES COMPANY, New Orleans, La. Filed June 20, 1924.

Valesco

Particular description of goods.—Dried Codfish.
Claims use since May 29, 1924.

Ser. No. 198,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed June 20, 1924.

ALEXO

Particular description of goods.—Green Coffee.
Claims use since June 6, 1924.

Ser. No. 198,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed June 20, 1924.

FREDO

Particular description of goods.—Green Coffee.
Claims use since June 6, 1924.

Ser. No. 198,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed June 20, 1924.

JORJO

Particular description of goods.—Green Coffee.
Claims use since June 6, 1924.

Ser. No. 198,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed June 20, 1924.

PEDRO

Particular description of goods.—Green Coffee.
Claims use since June 6, 1924.

Ser. No. 198,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed June 20, 1924.

WESBRO

Particular description of goods.—Green Coffee.
Claims use since June 6, 1924.

Ser. No. 198,922. (CLASS 32. FURUNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

DOROTHY VERNON

Particular description of goods.—Beds.
Claims use since Sept. 1, 1921.

Ser. No. 198,942. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GLENBROOK WORSTED MILLS, Woonsocket, R. I. Filed June 21, 1924.

IRIDARE

Particular description of goods.—Piece Goods—Namely, Woolens and Worsted Mixture.
Claims use since May 5, 1924.

Ser. No. 199,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROTHERS CO., Chicago, Ill. Filed June 23, 1924.



Particular description of goods.—Cake Mix.
Claims use since May 2, 1923.

Ser. No. 199,012. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARIETTA KNITTING COMPANY, Marietta, Ga. Filed June 23, 1924.

BUNGALOW

Particular description of goods.—Rugs Made from Cotton, Wool, Silk, Jute, Hemp, Ramie, or Combinations of these Materials.
Claims use since January, 1924.

Ser. No. 199,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANK MILLING CO., Jeromesville, Ohio. Filed June 23, 1924.



Particular description of goods.—Wheat Flour.
Claims use since May 4, 1922.

Ser. No. 199,023. (CLASS 2. RECEPTACLES.) ROYAL MANUFACTURING COMPANY, Toledo, Ohio. Filed June 23, 1924.

Royal

Particular description of goods.—Thermic Bottles and Jugs.
Claims use since Aug. 15, 1921.

Ser. No. 199,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANARD TILTON MILLING COMPANY, St. Louis, Mo. Filed June 23, 1924.



Particular description of goods.—Wheat Flour.
Claims use since about May 1, 1924.

Ser. No. 199,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed June 24, 1924.

KILMARNIK

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

Ser. No. 199,034. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed June 24, 1924.

PRESIDENTIAL

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

Ser. No. 199,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, doing business as Bunte's, Chicago, Ill. Filed June 24, 1924.

FORERUNNER

Particular description of goods.—Candy.
Claims use since June 10, 1924.

Ser. No. 199,087. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE P-D AUTO PARTS, INC., Meriden, Conn. Filed June 24, 1924.

P-D

Particular description of goods.—Brake Linings and Clutch Facings.
Claims use since Oct. 15, 1922.

Ser. No. 199,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAPO CITRUS ASSOCIATION, Santa Susana, Calif. Filed June 24, 1924.

SENORITA

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges and Fresh Lemons.
Claims use since Mar. 15, 1924.

Ser. No. 199,106. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1924.

Chandel

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since June, 1924.

Ser. No. 199,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POTATO DOG CORPORATION, Chicago, Ill. Filed June 25, 1924.

POTATO DOG

Particular description of goods.—Article of Food Comprising Meat Baked in Dough.
Claims use since July 25, 1922.

Ser. No. 199,132. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN T. STANLEY CO. INC., New York, N. Y. Filed June 25, 1924.

SOPEX

Trade-mark consists of the word "Sopex."
Particular description of goods.—Laundry Soap.
Claims use since June 19, 1924.

Ser. No. 199,142. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I. Filed June 26, 1924.

BRADVISCA

Trade-mark consists of the symbol "Bradvisca."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,145. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I. Filed June 26, 1924.

IMMOVA

Trade-mark "Immova."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANTECA CANNING COMPANY, Manteca, Calif. Filed June 26, 1924.

PURETEST

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since June 2, 1924.

Ser. No. 199,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANTECA CANNING COMPANY, Manteca, Calif. Filed June 26, 1924.

TOPSALL

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since June 2, 1924.

Ser. No. 199,175. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH MARTINSON, New York, N. Y. Filed June 26, 1924.

JOMAR

Particular description of goods.—Coffee.
Claims use since January, 1909.

Ser. No. 199,200. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. F. WAGNER CO., INCORPORATED, New York, N. Y. Filed June 26, 1924.

WHITE HEN

Particular description of goods.—Eggs.
Claims use since April, 1924.

Ser. No. 199,209. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I. Filed June 27, 1924.

BraDfastA

Trade-mark consists of the word "Bradfasta."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,210. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

PERICEL

Trade-Mark consists of the word "Pericel."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,211. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

BRADOLINA

Trade-mark consists of the word "Bradolina."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,213. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

BRADSYLKA

Trade-mark consists of the word "Bradsylka."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,216. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

DICHROSIL

Trade-mark consists of the word "Dichrosil."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEKMAN BISCUIT COMPANY, Grand Rapids, Mich. Filed June 27, 1924.

Pleas-U

Particular description of goods.—Cooky Cakes and Crackers.
Claims use since Oct. 15, 1922.

Ser. No. 199,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILADELPHIA SEED COMPANY, Philadelphia, Pa. Filed June 27, 1924.



No claim is made for the exclusive use of the word "Brand."
Particular description of goods.—Bird Food Consisting of Mixed Birdseed.
Claims use since June 17, 1924.

Ser. No. 199,268. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) VISCOSE DEVELOPMENT COMPANY LIMITED, Bromley, England. Filed June 27, 1924.

VISKAP

Particular description of goods.—Corks for Bottles and the Like and Caps or Capsules for Application Over the Stoppers or Other Closures of Bottles and Jars to Seal the Same.
Claims use since May 9, 1923.

Ser. No. 199,286. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KENDALL MANUFACTURING COMPANY, Providence, R. I. Filed June 28, 1924.

TUBFLAKE

Particular description of goods.—Washing and Cleansing Preparations.
Claims use since June 18, 1924.

Ser. No. 199,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH, PROVOST AND SMITH, Washington, D. C. Filed June 28, 1924.

ZIZZLE

Particular description of goods.—Edible Baked Batter Food Product Having a Baked Center.
Claims use since June 26, 1924.

Ser. No. 199,340. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed June 30, 1924.

FRANBILL

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

Ser. No. 199,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed June 30, 1924.

ANDY GUMP

Particular description of goods.—Biscuits of the Kind Commonly Called Cookies.
Claims use since Mar. 12, 1924.

Ser. No. 199,411. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WOLF SAFETY LAMP CO. OF AMERICA, INC., Brooklyn, N. Y. Filed June 30, 1924.

WOLF

Particular description of goods.—Safety Lamps, Carbide Cap Lamps and Carbide Handlamps.
Claims use since about September, 1913.

Ser. No. 199,457. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN CO., INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed July 2, 1924.

HUMDINGER

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1924.

Ser. No. 199,459. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed July 2, 1924.

SHARPSHOOTER

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1924.

Ser. No. 199,460. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed July 2, 1924.

KNOCKOUT

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1924.

Ser. No. 199,564. (CLASS 43. THREAD AND YARN.) MUTUAL THREAD COMPANY, New York, N. Y. Filed July 3, 1924.

"Cell-U-Silk"

Particular description of goods.—Threads and Yarns.
Claims use since January, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 12, 1924.

187,675. GASKETING TAPE MADE OF ASBESTOS TEXTILE FABRIC. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed February 2, 1924. Serial No. 191,709. PUBLISHED MAY 13, 1924.

187,676. OIL-BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. R. E. DIETZ COMPANY, New York, N. Y.
Filed February 6, 1924. Serial No. 191,875. PUBLISHED MAY 13, 1924.

187,677. SALT. THE UNION SALT COMPANY, Cleveland, Ohio.
Filed February 6, 1924. Serial No. 191,927. PUBLISHED JUNE 3, 1924.

187,678. PRECIOUS STONES AND JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. NATIONAL DIAMOND ASSEMBLERS, INC., New York, N. Y.
Filed February 7, 1924. Serial No. 191,969. PUBLISHED MAY 6, 1924.

187,679. CANDY. GENERAL CANDY CO., San Francisco, Calif.
Filed February 8, 1924. Serial No. 192,016. PUBLISHED MAY 27, 1924.

187,680. PISTON RINGS. SAMUEL N. NORTH, doing business as North Piston Ring Co., Toledo, Ohio.
Filed February 8, 1924. Serial No. 192,029. PUBLISHED MAY 6, 1924.

187,681. IDENTIFYING DEVICES FOR INFANTS, CONSISTING OF A FLEXIBLE BAND OR CHAIN AND CLASP. ELLEN A. O'GRADY, Brooklyn, N. Y.
Filed February 8, 1924. Serial No. 192,031. PUBLISHED MAY 13, 1924.

187,682. ELECTRIC BATTERIES AND PARTS THEREOF, BATTERY CHARGERS, AND RHEOSTATS, CONDENSERS AND TRANSFORMERS FOR USE IN RADIO APPARATUS. S. R. M. ORUM, INC., Philadelphia, Pa.
Filed February 11, 1924. Serial No. 192,145. PUBLISHED MAY 27, 1924.

187,683. HAIR TONIC AND SHAMPOO. GEORGE B. LUMPKIN, doing business as Lumpkin Products Co., Kimball, Nebr.
Filed February 12, 1924. Serial No. 192,185. PUBLISHED JUNE 3, 1924.

187,684. RADIO WAVE TRAPS AND TUNING INSTRUMENTS. VESCO RADIO SHOP, Oakland, Calif.
Filed February 14, 1924. Serial No. 192,287. PUBLISHED MAY 6, 1924.

187,685. MEDICATED SALVE USED FOR ACHES, ASTHMA, BITES, BRONCHITIS, BRUISES, BURNS, CATARRH, COLDS, COUGHS, CROUP, CUTS, HEADACHE, INFLUENZA, INFLAMMATION, ITCH, NEURALGIA, PAINS, PILES, PNEUMONIA, RHEUMATISM, SORES, SPRAINS, SUNBURN, TONSILLITIS, WHOOPING COUGH, AND FOR USE AFTER SHAVING. LEO CYRIL HAMEL, doing business as Dorham Chemical Works, River Rouge, Mich.
Filed February 15, 1924. Serial No. 192,327. PUBLISHED MAY 20, 1924.

187,686. LADDERS. THE JOHN S. TILLEY LADDERS CO., INC., Watervliet, N. Y.
Filed February 15, 1924. Serial No. 192,344. PUBLISHED MAY 13, 1924.

187,687. POLISH FOR FURNITURE, AUTOS, AND ALL VARNISHED AND ENAMELED SURFACES. JOSEPH L. RILEY, Chicago, Ill.
Filed February 16, 1924. Serial No. 192,430. PUBLISHED MAY 20, 1924.

187,688. PAINT ENAMELS. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,443. PUBLISHED MAY 20, 1924.

187,689. PASTE PAINT. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,444. PUBLISHED APRIL 22, 1924.

187,690. MONUMENTS AND STONES FOR MEMORIAL PURPOSES. WOODBURY GRANITE COMPANY, Hardwick, Vt.
Filed February 16, 1924. Serial No. 192,463. PUBLISHED MAY 13, 1924.

187,691. PRINTING INKS. J. M. HUBER, INC., Bayonne, N. J., and New York, N. Y.
Filed February 20, 1924. Serial No. 192,572. PUBLISHED MAY 13, 1924.

187,692. PEARL NECKLACES AND PEARL STRINGS. BORRELLI & VITELLI, New York, N. Y.
Filed February 21, 1924. Serial No. 192,594. PUBLISHED MAY 6, 1924.

187,693. TONIC AND BLOOD PURIFIER, AND ESPECIALLY USEFUL IN THE TREATMENT OF ANÆMIA AND MALARIA. LOUISIANA PHARMACAL CO., New Orleans, La.
Filed February 21, 1924. Serial No. 192,630. PUBLISHED MAY 20, 1924.

187,694. FLAPS FOR AUTOMOBILE RIMS. NORTH EASTERN RUBBER CO., Elizabeth, N. J.
Filed March 1, 1924. Serial No. 193,116. PUBLISHED MAY 20, 1924.

187,695. COLD CREAM, VANISHING CREAM, FACE POWDER, BATH POWDER. BEAUTI-CRAFT CO., Chicago, Ill.
Filed December 21, 1923. Serial No. 189,960. PUBLISHED MAY 20, 1924.

187,696. PHONOGRAPHS. KRASCO MANUFACTURING COMPANY, of which the Encore Phonograph Co. is a branch, Chicago, Ill.
Filed December 17, 1923. Serial No. 189,796. PUBLISHED MAY 6, 1924.

187,697. FRESH CITROUS FRUITS. LINDSAY FARM BUREAU FRUIT ASSOCIATION, Lindsay, Calif.
Filed December 15, 1923. Serial No. 189,726. PUBLISHED APRIL 15, 1924.

187,698. MEDICINAL PREPARATION FOR THE TREATMENT OF DIABETES AND TO LOWER BLOOD SUGAR AND TO DIMINISH ACIDOSIS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed December 12, 1923. Serial No. 189,568. PUBLISHED JUNE 3, 1924.

187,699. PRINTING, LITHOGRAPHING, DIE-STAMPING, AND PLATE-PRINTING INKS. R. E. SLEIGHT, doing business as Sleight Metallic Ink Co., Philadelphia, Pa.
Filed December 11, 1923. Serial No. 189,536. PUBLISHED MAY 6, 1924.

187,700. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed December 10, 1923. Serial No. 189,471. PUBLISHED APRIL 22, 1924.

187,701. FUEL-OIL BURNERS. ECONOMY HEATER CO., INC., Lynn, Mass.
Filed December 4, 1923. Serial No. 189,187. PUBLISHED APRIL 15, 1924.

187,702. FIRELESS COOKERS. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 19, 1923. Serial No. 188,517. PUBLISHED MAY 6, 1924.

187,703. FABRICS OF COTTON IN THE PIECE. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,481. PUBLISHED JUNE 3, 1924.

187,704. COSMETIC CONTAINERS—VIZ, POWDER BOXES, ROUGE BOXES, VANITY CASES, PERFUME VIALS, LIP STICKS, AND EYEBROW PENCILS, THE SAME BEING MADE OF GOLD, SILVER, GOLD-FILLED, AND SILVER-PLATED METAL. ELGIN AMERICAN MANUFACTURING CO., Elgin, Ill.
Filed November 8, 1923. Serial No. 188,110. PUBLISHED MAY 20, 1924.

187,705. STEEL TOOLS, PARTICULARLY HATCHETS, AXES, BROADAXES, HALF HATCHETS, SHINGLING HATCHETS, CLAW HATCHETS, SCOUT AXES, ADZE-EYE NAIL HAMMERS, BALL PEIN HAMMERS, SPIKE MAULS, AND TRACK-ADZES. MARION TOOL WORKS, INC., Marion, Ind.
Filed October 26, 1923. Serial No. 187,526. PUBLISHED JANUARY 29, 1924.

187,706. SOFT DRINKS. CALIFORNIA BOTTLING COMPANY, INC., Washington, D. C.
Filed September 26, 1923. Serial No. 186,215. PUBLISHED MAY 27, 1924.

187,707. WIRELESS RECEIVING SETS. WESTERN COIL & ELECTRICAL CO., Racine, Wis.
Filed September 6, 1923. Serial No. 185,894. PUBLISHED NOVEMBER 13, 1923.

187,708. PRINTING PLATES. W. F. HALL PRINTING COMPANY, Chicago, Ill.
Filed August 20, 1923. Serial No. 184,726. PUBLISHED MAY 13, 1924.

187,709. CERTAIN TOILET PREPARATIONS. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill.
Filed August 18, 1923. Serial No. 184,679. PUBLISHED JUNE 3, 1924.

187,710. GINGER ALE. CANADA DRY GINGER ALE, INC., New York, N. Y.
Filed August 18, 1923. Serial No. 184,645. PUBLISHED MAY 27, 1924.

187,711. COFFEE. NASH COFFEE COMPANY, Minneapolis, Minn.
Filed July 11, 1923. Serial No. 183,080. PUBLISHED JUNE 3, 1924.

187,712. TENTS, AWNINGS, CANVAS PORCH CURTAINS; STACK, SILO, TRUCK, AUTOMOBILE, TUB, ICE-CREAM-FREEZER, AND FLOOR COVERS OR TARPAULINS. TOPEKA TENT & AWNING COMPANY, Topeka, Kans.
Filed June 29, 1923. Serial No. 182,626. PUBLISHED MAY 6, 1924.

187,713. COTTON AND LEATHER BELTING. PEERLESS BELTING COMPANY, Gardenville, N. Y.
Filed October 19, 1922. Serial No. 170,949. PUBLISHED MAY 6, 1924.

187,714. CIGARS. SANCHEZ & HAYA CO., Tampa, Fla.
Filed April 22, 1924. Serial No. 195,989. PUBLISHED JUNE 3, 1924.

187,715. PIPES, CIGAR AND CIGARETTE HOLDERS, POUCH TOBACCO BAGS, HUMIDORS, AND CIGAR AND CIGARETTE CASES. SAMUEL GORDON, New York, N. Y.
Filed April 16, 1924. Serial No. 195,635. PUBLISHED JUNE 3, 1924.

187,716. TOY ANIMALS. P. G. ATLANTIC TOY MFG. CO., New York, N. Y.
Filed April 14, 1924. Serial No. 195,535. PUBLISHED JUNE 3, 1924.

187,717. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,395. PUBLISHED MAY 27, 1924.

187,718. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,394. PUBLISHED MAY 27, 1924.

187,719. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,393. PUBLISHED MAY 27, 1924.

187,720. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,392. PUBLISHED MAY 27, 1924.

187,721. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,390. PUBLISHED MAY 27, 1924.

187,722. CIGARS. R. J. SEIDENBERG CO., Buffalo, N. Y.
Filed April 15, 1924. Serial No. 195,600. PUBLISHED JUNE 3, 1924.

187,723. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,386. PUBLISHED MAY 27, 1924.

187,724. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,384. PUBLISHED MAY 27, 1924.

187,725. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,383. PUBLISHED MAY 27, 1924.

187,726. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,382. PUBLISHED MAY 27, 1924.

187,727. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,380. PUBLISHED MAY 27, 1924.

187,728. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,378. PUBLISHED MAY 27, 1924.

187,729. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,377. PUBLISHED MAY 27, 1924.

187,730. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,376. PUBLISHED MAY 27, 1924.

187,731. HAIR GROWER, LIQUID HAIR TONIC, SHAMPOO, GLOSSINE, PRESSING OIL, AND TEMPLE GROWER. MME. HAYDEN-RANSOM MFG. CO., Indianapolis, Ind.
Filed March 24, 1924. Serial No. 194,347. PUBLISHED MAY 20, 1924.

187,732. SILK KNITTED CLOTH IN THE BOLT AND IN THE PIECE. LEVI & SELIGMAN, INC., Brooklyn, N. Y.
Filed December 11, 1923. Serial No. 189,509. PUBLISHED JUNE 3, 1924.

187,733. COTTON, SILK, COTTON AND SILK, AND ART-SILK PIECE GOODS. JULIUS KAYSER & CO., New York, N. Y.
Filed December 11, 1923. Serial No. 189,506. PUBLISHED MARCH 25, 1924.

187,734. CURED HAMS, BOILED HAMS, AND BACON. ALABAMA PACKING COMPANY, Birmingham, Ala.
Filed December 10, 1923. Serial No. 189,440. PUBLISHED MAY 27, 1924.

187,735. SHAMPOO. EYRLE R. LEVY, doing business as Eyrle, San Francisco, Calif.
Filed March 27, 1924. Serial No. 194,548. PUBLISHED JUNE 3, 1924.

187,736. PAINT AND VARNISH REMOVER. ATLANTIC PAINT AND VARNISH REMOVER COMPANY, Boston, Mass.
Filed March 27, 1924. Serial No. 194,509. PUBLISHED MAY 20, 1924.

187,737. FURNITURE AND AUTOMOBILE BODY POLISH. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed March 26, 1924. Serial No. 194,491. PUBLISHED MAY 20, 1924.

187,738. AUTO POLISH. QUAKER CITY AUTO POLISH Co., Whittier, Calif.
Filed March 26, 1924. Serial No. 194,479. PUBLISHED MAY 20, 1924.

187,739. MEDICINAL PREPARATION COMPOSED OF HYDROLYZING AND CONVERTING ENZYMES (ANIMAL-GLAND SUBSTANCES) FOR AIDING THE HUMAN ORGANISM TO MORE COMPLETELY HYDROLYZE AND CONVERT (DIGEST) THE FOOD EATEN. THE PHOSPHO-ALBUMEN COMPANY, INC., Newburgh, N. Y.
Filed March 26, 1924. Serial No. 194,474. PUBLISHED MAY 20, 1924.

187,740. PHARMACEUTICAL PREPARATION, BEING AN ASSOCIATION OF THE ENDOCRINE GLANDS CONSTITUTING THE OVARIAN PHYSIOLOGICAL CYCLE—TO WIT, OVARIAN, THYROID, SUPRARENAL, ANTERIOR PITUITARY, AND PANCREAS SUBSTANCES—FOR OVARIAN, NEURASTHENIC, AND CLIMACTERIC DISORDERS OF WOMEN. THE PHOSPHO-ALBUMEN COMPANY, INC. Newburgh, N. Y.
Filed March 26, 1924. Serial No. 194,473. PUBLISHED MAY 20, 1924.

187,741. COVER NETS MADE OF MOSQUITO NETTING AND PARTICULARLY ADAPTED FOR BABY CARRIAGES, ETC. WILLIAM R. CHAPPELL, doing business as Universal Cover Fastener Company, New York, N. Y.
Filed March 26, 1924. Serial No. 194,433. PUBLISHED MAY 27, 1924.

187,742. TISSUE, FINISHING, AND CLEANSING CREAMS, FACE POWDER, LIQUID ASTRINGENT, AND LIQUID WHITENER. LOTTIE PENTER, Los Angeles, Calif.
Filed March 25, 1924. Serial No. 194,412. PUBLISHED MAY 20, 1924.

187,743. LINIMENT FOR CUTS, BURNS, BRUISES, CORNS, CHILBLAINS, AND ALL ACHES AND PAINS. FRED G. PENN, Wallingford, Vt.
Filed March 25, 1924. Serial No. 194,411. PUBLISHED MAY 20, 1924.

187,744. MUSICAL INSTRUMENTS—VIZ, BANJOS, TENOR BANJOS, BANJO MANDOLINS, GUITARS, MANDOLINS, UKULELES, BANJO UKULELES, DRUMS, CLARINETS, AND PARTS THEREFOR. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed March 25, 1924. Serial No. 194,400. PUBLISHED MAY 20, 1924.

187,745. SKIN LOTION. DERMIDEAL LABORATORIES New Bedford, Mass.
Filed March 25, 1924. Serial No. 194,397. PUBLISHED MAY 20, 1924.

187,746. PERFUME. LENTHERIC, INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,360. PUBLISHED MAY 20, 1924.

187,747. PERFUME. LENTHERIC, INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,359. PUBLISHED MAY 20, 1924.

187,748. WOOL-FIBER RUGS. DELTOX GRASS RUG COMPANY, Oshkosh, Wis.
Filed March 24, 1924. Serial No. 194,339. PUBLISHED MAY 27, 1924.

187,749. FIBER RUGS. DELTOX GRASS RUG COMPANY, Oshkosh, Wis.
Filed March 24, 1924. Serial No. 194,338. PUBLISHED MAY 27, 1924.

187,750. PREPARATION FOR TREATING THE HAIR AND SCALP AND AN OINTMENT TO GIVE LUSTER AND BRILLIANCY TO THE HAIR. ANNIE B. BLANKS, doing business as Madame A. B. Blanks Mfg. Co., Portsmouth, N. H.
Filed March 24, 1924. Serial No. 194,331. PUBLISHED MAY 20, 1924.

187,751. CLEANSING PACKS FOR PERSONAL USE. KERAMIK COMPANY, Brooklyn, N. Y.
Filed March 22, 1924. Serial No. 194,274. PUBLISHED MAY 20, 1924.

187,752. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,375. PUBLISHED MAY 27, 1924.

187,753. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,374. PUBLISHED MAY 27, 1924.

187,754. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,373. PUBLISHED MAY 27, 1924.

187,755. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,372. PUBLISHED MAY 27, 1924.

187,756. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,368. PUBLISHED MAY 27, 1924.

187,757. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,367. PUBLISHED MAY 27, 1924.

187,758. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,365. PUBLISHED MAY 27, 1924.

187,759. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed Apr. 11, 1924. Serial No. 195,364. PUBLISHED MAY 27, 1924.

187,760. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,363. PUBLISHED MAY 27, 1924.

187,761. SOFT DRINKS. HARRY SQUIRSKY, doing business as Superior Mineral Water Company, Thompsonville, Conn.
Filed April 10, 1924. Serial No. 195,304. PUBLISHED JUNE 3, 1924.

187,762. BRAKE LININGS. THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio.
Filed April 10, 1924. Serial No. 195,303. PUBLISHED MAY 20, 1924.

187,763. EXPANSION SHIELDS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed April 8, 1924. Serial No. 195,200. PUBLISHED MAY 27, 1924.

187,764. FUSE FOR BLASTING AND MINING PURPOSES. THE ENSIGN-BICKFORD CO., Simsbury, Conn.
Filed April 8, 1924. Serial No. 195,162. PUBLISHED JUNE 3, 1924.

187,765. FUSE FOR BLASTING AND MINING PURPOSES. THE ENSIGN-BICKFORD CO., Simsbury, Conn.
Filed April 8, 1924. Serial No. 195,161. PUBLISHED JUNE 3, 1924.

187,766. GLASSWARE. MARIETTA MANUFACTURING COMPANY, Indianapolis, Ind.
Filed April 7, 1924. Serial No. 195,115. PUBLISHED JUNE 3, 1924.

187,767. DOOR STOPS. HENRY JOSEPHSON, doing business as Josephson Products Company, Los Angeles, Calif.
Filed April 7, 1924. Serial No. 195,110. PUBLISHED MAY 27, 1924.

187,768. HOSE MADE OF RUBBER REENFORCED WITH FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed April 4, 1924. Serial No. 194,993. PUBLISHED MAY 20, 1924.

187,769. STUFFED TOY DOGS. DAVIS & VOETSCH, INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,912. PUBLISHED JUNE 3, 1924.

187,770. BILLIARD CHALK. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed April 3, 1924. Serial No. 194,905. PUBLISHED MAY 27, 1924.

187,771. SMOKING TOBACCO. COPE BROS. & CO. LTD., Liverpool and London, England.
Filed April 2, 1924. Serial No. 194,853. PUBLISHED JUNE 3, 1924.

187,772. LEATHER BELTING. EDWARD R. LADEW COMPANY, INC., New York, N. Y.
Filed March 17, 1924. Serial No. 193,929. PUBLISHED MAY 6, 1924.

187,773. ASTRINGENT ANTISEPTIC, GERMICIDE, AND DEODORANT. THE JO-VEX CHEMICAL PRODUCTS COMPANY, Akron, Ohio.
Filed March 17, 1924. Serial No. 193,927. PUBLISHED JUNE 3, 1924.

187,774. OPEN-FACE AND HUNTING-CASE WRIST WATCHES AND POCKET WATCHES. OLSEN & EBANN, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,953. PUBLISHED MAY 13, 1924.

187,775. FLAKED AND POWDERED PEARL SHELL USED FOR DECORATIVE PURPOSES. SHELL PRODUCTS COMPANY, San Diego, Calif.
Filed March 17, 1924. Serial No. 193,964. PUBLISHED MAY 13, 1924.

187,776. ELECTRIC LAMPS. SILVRAY CO., INC., New York, N. Y.
Filed March 17, 1924. Serial No. 193,968. PUBLISHED MAY 27, 1924.

187,777. INK REDUCER. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed March 17, 1924. Serial No. 193,970. PUBLISHED MAY 13, 1924.

187,778. SILK PIECE GOODS. THE AUDIGER & MEYER SILK COMPANY, Paterson, N. J., and New York, N. Y.
Filed March 18, 1924. Serial No. 193,983. PUBLISHED MAY 27, 1924.

187,779. THREAD. J. E. BARBOUR COMPANY, Paterson, N. J.
Filed March 18, 1924. Serial No. 193,984. PUBLISHED MAY 27, 1924.

187,780. TABLETS FOR CERTAIN NAMED PURPOSES. ROBERT J. PIERCE, INC., New York, N. Y.
Filed March 18, 1924. Serial No. 194,020. PUBLISHED JUNE 3, 1924.

187,781. READY-MIXED PAINTS AND VARNISHES. BAKER PAINT & VARNISH CO., Jersey City, N. J.
Filed March 19, 1924. Serial No. 194,041. PUBLISHED MAY 20, 1924.

187,782. PIECE GOODS MADE WHOLLY OR IN PART OF CLOTH AND RUBBER. SUCH GOODS ARE USED FOR AUTOMOBILE TOPS AND OTHER WATERPROOF SURFACES. J. C. HAARTZ COMPANY, Boston, Mass.
Filed March 19, 1924. Serial No. 194,060. PUBLISHED MAY 13, 1924.

187,783. BABY-CHICK STARTING FOOD, CHICK GROWING MASH, HEN LAYING MASH, CHICK SCRATCH FEED, HEN SCRATCH FEED. OVO MILL CORPORATION, St. Louis, Mo.
Filed September 19, 1923. Serial No. 185,934. PUBLISHED MAY 27, 1924.

187,784. GAME TABLES AND SCORE CARDS. K's INC., New York, N. Y.
Filed October 15, 1923. Serial No. 187,007. PUBLISHED MAY 27, 1924.

187,785. TENTS. GEORGE H. DIAL, doing business as Dial Tent & Awning Co., Columbus, Ohio.
Filed October 19, 1923. Serial No. 187,205. PUBLISHED DECEMBER 11, 1923.

187,786. CIGARS. ERNEST B. LEONARD, Charlotte, N. C.
Filed October 24, 1923. Serial No. 187,426. PUBLISHED MAY 27, 1924.

187,787. RADIO PRODUCTS. HAROLD M. SCHWAB, INC., New York, N. Y.
Filed October 25, 1923. Serial No. 187,490. PUBLISHED JUNE 3, 1924.

187,788. PORCELAIN AND CHINAWARE. THE SEBRING POTTERY COMPANY, Sebring, Ohio.
Filed November 17, 1923. Serial No. 188,502. PUBLISHED JUNE 3, 1924.

187,789. HEAT-RESISTING AND CORROSION-RESISTING AND OXIDATION-RESISTING ALLOYS BOTH IN THE RAW AND INGOT FORM AND IN THE FORM OF CASTINGS, FORGINGS, BARS, FOIL RODS, SHEETS, AND WIRE. FRANK A. FAHRENWALD, Cleveland Heights, Ohio.
Filed November 26, 1923. Serial No. 188,899. PUBLISHED MAY 27, 1924.

187,790. CERTAIN CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PREPARATIONS. CHEMISCHE FABRIK AUF ACTIEN (VORM. E. SCHERING), Berlin, Germany.
Filed July 6, 1921. Serial No. 150,061. PUBLISHED JUNE 3, 1924.

187,791. SOFT DRINKS AND CONCENTRATES. ORANGE CRUSH COMPANY, Chicago, Ill.
Filed December 12, 1921. Serial No. 156,594. PUBLISHED MARCH 20, 1923.

187,792. HAIR TONIC. R. ODELL & SONS COMPANY, Newark, N. J., assignor to The Odell Company, Newark, N. J., a Corporation of New Jersey.
Filed October 1, 1921. Serial No. 153,613. PUBLISHED FEBRUARY 13, 1923.

187,793. HAIR TONIC. R. ODELL & SONS COMPANY, Newark, N. J., assignor to The Odell Company, Newark, N. J., a Corporation of New Jersey.
Filed October 1, 1921. Serial No. 153,615. PUBLISHED FEBRUARY 13, 1923.

187,794. HAIR NETS. JOSEPH ZABLUDOFF, Philadelphia, Pa.
Filed February 16, 1922. Serial No. 159,396. PUBLISHED AUGUST 29, 1922.

187,795. CANNED FRUITS. BANNING CANNING CO., Banning, Calif.
Filed May 23, 1922. Serial No. 164,299. PUBLISHED MAY 15, 1923.

187,796. ACETYLENE FOR MEDICINAL PURPOSES, MORPHINE DERIVATIVES, DIETHYL BARBITURIC ACID, CHLOROFORM, AND ETHER FOR NARCOTIC PURPOSES. C. H. BOEHRINGER SOHN, CHEMISCHE FABRIK, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed July 22, 1922. Serial No. 167,222. PUBLISHED MAY 20, 1924.

187,797. ELECTRICALLY-ACTUATED GAS-CONTROL APPLIANCES FOR WATER HEATERS AND PARTS THEREOF. BRENCO CORPORATION, Minneapolis, Minn.
Filed September 22, 1922. Serial No. 169,801. PUBLISHED MAY 27, 1924.

187,798. CERTAIN ARTICLES OF TEXTILE AND OTHER MATERIALS FOR HOUSEHOLD AND OTHER USES. GOLDENBERG'S, Washington, D. C.
Filed October 12, 1922. Serial No. 170,637. PUBLISHED MAY 13, 1924.

187,799. LEATHER BELTING. HIDE LEATHER & BELTING CO., Indianapolis, Ind.
Filed December 30, 1922. Serial No. 174,009. PUBLISHED MAY 6, 1924.

187,800. LOCOMOTIVE STOKERS AND REPAIR PARTS THEREOF. LOCOMOTIVE STOKER COMPANY, Pittsburgh, Pa.
Filed January 13, 1923. Serial No. 174,580. PUBLISHED MAY 20, 1924.

187,801. MAGNETO ASSEMBLIES, STARTER ASSEMBLIES FOR MOTOR VEHICLES, ELECTRICAL IGNITION AND LIGHTING SYSTEMS FOR MOTOR VEHICLES, AND PARTS OF THE FOREGOING. THE WHITE MOTOR COMPANY, Cleveland, Ohio.
Filed December 29, 1922. Serial No. 175,898. PUBLISHED APRIL 29, 1924.

187,802. LYE. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 15, 1923. Serial No. 176,092. PUBLISHED MAY 20, 1924.

187,803. LYE. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 15, 1923. Serial No. 176,093. PUBLISHED MAY 20, 1924.

187,804. ROOF VENTILATORS AND CHIMNEY HOODS. THE ALFRED C. GOETHEL CO., Milwaukee, Wis.
Filed February 26, 1923. Serial No. 176,618. PUBLISHED MAY 6, 1924.

187,805. VENTILATING AND CHIMNEY COWLS, VENTILATING AND CHIMNEY SHAFTS, AND DEVICES ATTACHED TO OR MOUNTED IN SUCH SHAFT FOR IMPROVING THE DRAFT. WILLIAM HEYWOOD MOTTERSHALL, Toronto, Ontario, Canada.
Filed March 5, 1923. Serial No. 177,016. PUBLISHED MAY 20, 1924.

187,806. CORKS. BOUCHER CORK & MACHINE CO., INC., New York, N. Y.
Filed March 13, 1923. Serial No. 177,356. PUBLISHED MAY 13, 1924.

187,807. CLOCK MOVEMENTS AND WATCH MOVEMENTS. THE UNITED JEWELERS, INC., Wilmington, Del., and New York, N. Y.
Filed May 7, 1923. Serial No. 180,310. PUBLISHED MAY 6, 1924.

187,808. RADIO RECEIVING SETS AND PARTS THEREOF. NOVELTY RADIO MANUFACTURING COMPANY, St. Louis, Mo.
Filed March 20, 1924. Serial No. 194,119. PUBLISHED MAY 27, 1924.

187,809. READY-MIXED PAINTS. SOVEREIGN PAINT COMPANY, Atlantic City, N. J.
Filed March 20, 1924. Serial No. 194,136. PUBLISHED APRIL 29, 1924.

187,810. CALCIUM ACETYL SALICYLATE. NAAMLOOZE VENNOOTSCHAP AMSTERDAMSCHE CHININEFABRIEK, Amsterdam, Netherlands.
Filed March 21, 1924. Serial No. 194,204. PUBLISHED MAY 20, 1924.

187,811. THREAD. THE UNION THREAD COMPANY, Cincinnati, Ohio.
Filed March 21, 1924. Serial No. 194,228. PUBLISHED MAY 27, 1924.

187,812. THREAD. THE UNION THREAD COMPANY, Cincinnati, Ohio.
Filed March 21, 1924. Serial No. 194,229. PUBLISHED MAY 27, 1924.

187,813. THREAD. THE UNION THREAD COMPANY, Cincinnati, Ohio.
Filed March 21, 1924. Serial No. 194,230. PUBLISHED MAY 27, 1924.

187,814. DIASTATIC PREPARATION USED FOR SIZING, DESIZING, AND DEGUMMING OF FABRICS AND FOR THE PRODUCTION OF SIZINGS AND SOLUBLE STARCHES. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed March 22, 1924. Serial No. 194,239. PUBLISHED MAY 20, 1924.

187,815. INSECTICIDES. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed March 22, 1924. Serial No. 194,241. PUBLISHED MAY 20, 1924.

187,816. METALLIC PACKINGS. THE PAXTON-MITCHELL COMPANY, Omaha, Nebr.
Filed February 15, 1924. Serial No. 192,337. PUBLISHED MAY 13, 1924.

187,817. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,341. PUBLISHED MAY 27, 1924.

187,818. COTTON PIECE GOODS. TURNER & WALLS, New York, N. Y.
Filed February 25, 1924. Serial No. 192,802. PUBLISHED MAY 27, 1924.

187,819. TONIC FOR USE IN THE TREATMENT OF GENERAL DEBILITY AND ANÆMIA. LABORATORIO IODARSENICO GIUSEPPE GUIDOTTI & C., Pisa, Italy.
Filed June 23, 1920. Serial No. 134,074. PUBLISHED JUNE 3, 1924.

187,820. SOFT DRINK AND SIRUP. ORANGE CRUSH COMPANY, Chicago, Ill.
Filed July 1, 1921. Serial No. 140,927. PUBLISHED OCTOBER 18, 1921.

187,821. NARROW FABRICS AND PIECE GOODS OF ARTIFICIAL SILK. THE WARREN FEATHERBONE COMPANY, Three Oaks, Mich.
Filed April 10, 1924. Serial No. 195,319. PUBLISHED MAY 27, 1924.

187,822. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,343. PUBLISHED MAY 27, 1924.

187,823. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,345. PUBLISHED MAY 27, 1924.

187,824. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,346. PUBLISHED MAY 27, 1924.

187,825. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,347. PUBLISHED MAY 27, 1924.

187,826. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,349. PUBLISHED MAY 27, 1924.

187,827. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,352. PUBLISHED MAY 27, 1924.

187,828. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,355. PUBLISHED MAY 27, 1924.

187,829. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,356. PUBLISHED MAY 27, 1924.

187,830. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,358. PUBLISHED MAY 27, 1924.

187,831. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,359. PUBLISHED MAY 27, 1924.

187,832. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,360. PUBLISHED MAY 27, 1924.

187,833. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,361. PUBLISHED MAY 27, 1924.

187,834. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,362. PUBLISHED MAY 27, 1924.

187,835. SILK PIECE GOODS—NAMELY, DRESS GOODS. BLEYER & WEINBERG, New York, N. Y.
Filed March 12, 1924. Serial No. 193,655. PUBLISHED JUNE 3, 1924.

187,836. RACKS FOR CHINESE DOMINOS. JULIAN S. WOLFF, New York, N. Y.
Filed March 12, 1924. Serial No. 193,694. PUBLISHED MAY 27, 1924.

187,837. COIL DOOR SPRINGS. SARGENT & COMPANY, New Haven, Conn.
Filed March 13, 1924. Serial No. 193,733. PUBLISHED MAY 27, 1924.

187,838. COIL DOOR SPRINGS. SARGENT & COMPANY, New Haven, Conn.
Filed March 13, 1924. Serial No. 193,734. PUBLISHED MAY 27, 1924.

187,839. TOBACCO IN LEAF FORM. THE TOBACCO REHANDLING CO., LTD., Liverpool, England, and Louisville, Ky.
Filed March 14, 1924. Serial No. 193,790. PUBLISHED MAY 27, 1924.

187,840. TIRE PATCHES. FREDRICK J. HAGERLING, St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,832. PUBLISHED MAY 20, 1924.

187,841. CERTAIN NAMED PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,870. PUBLISHED JUNE 3, 1924.

187,842. FLAVORINGS FOR SOFT DRINKS. J. F. LAZIER MANUFACTURING CO., St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,930. PUBLISHED MAY 27, 1924.

187,843. FLAVORING FOR SOFT DRINKS. J. F. LAZIER MANUFACTURING CO., St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,931. PUBLISHED MAY 27, 1924.

187,844. GINGHAM PIECE GOODS. BOSTON STORE OF CHICAGO, INC., Chicago, Ill.
Filed March 20, 1924. Serial No. 194,095. PUBLISHED JUNE 3, 1924.

187,845. WINDOW SCREENS. THE FOSTER SCREEN CO. INC., Newark, N. J.
Filed March 20, 1924. Serial No. 194,101. PUBLISHED MAY 27, 1924.

187,846. HEAT-RESISTING STEEL. E. H. NOACK, Stockton, Calif.
Filed March 25, 1924. Serial No. 194,408. PUBLISHED MAY 27, 1924.

187,847. BED SHEETINGS AND BED SHEETS OF TEXTILE MATERIAL. ALEXANDER MANUFACTURING COMPANY, Forest City, N. C.
Filed March 27, 1924. Serial No. 194,506. PUBLISHED JUNE 3, 1924.

187,848. JUVENILE WAGONS. AUTO WHEEL COASTER COMPANY INC., North Tonawanda, N. Y.
Filed March 27, 1924. Serial No. 194,510. PUBLISHED MAY 27, 1924.

187,849. WOOLEN GOODS IN THE PIECE. S. STEIN & CO., New York, N. Y.
Filed March 27, 1924. Serial No. 194,576. PUBLISHED MAY 27, 1924.

187,850. CLOTH OF COTTON, SILK, WOOL, AND MIXTURES OF THE SAME. ELDER MFG. CO., St. Louis, Mo.
Filed March 28, 1924. Serial No. 194,594. PUBLISHED MAY 27, 1924.

187,851. RADIO RECEIVING SETS AND PARTS THEREOF, HEAD TELEPHONES, AND LOUD SPEAKERS. R. E. THOMPSON MANUFACTURING COMPANY, Jersey City, N. J.
Filed March 28, 1924. Serial No. 194,630. PUBLISHED JUNE 3, 1924.

187,852. HANDKERCHIEFS. E. HELLER & BROTHER INC., New York, N. Y.
Filed March 31, 1924. Serial No. 194,710. PUBLISHED MAY 27, 1924.

187,853. JOINTED FIGURE TOYS. RENE D. GROVE, Middletown, Pa.
Filed April 1, 1924. Serial No. 194,796. PUBLISHED JUNE 3, 1924.

187,854. PNEUMATIC TUBES. WOLVERINE CLIMAX COMPANY, Detroit, Mich.
Filed March 4, 1924. Serial No. 193,262. PUBLISHED MAY 6, 1924.

187,855. INSECTICIDES, GERMICIDES, AND DISINFECTANTS. SAMUEL M. GREGG, doing business as The Defexo Co., Tulsa, Okla.
Filed March 4, 1924. Serial No. 193,230. PUBLISHED JUNE 3, 1924.

187,856. PHOTOGRAPHIC PAPERS AND FILMS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed March 4, 1924. Serial No. 193,219. PUBLISHED MAY 20, 1924.

187,857. ANTISEPTIC SOLUTION. JOHN K. STOVER, doing business as Stover Laboratories, Trenton, N. J.
Filed March 3, 1924. Serial No. 193,192. PUBLISHED JUNE 3, 1924.

187,858. CERTAIN NAMED TOILET ARTICLES. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,106. PUBLISHED MAY 20, 1924.

187,859. CERTAIN NAMED TOILET ARTICLES. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,102. PUBLISHED MAY 20, 1924.

187,860. PERFUMES, TOILET WATER, FACE POWDERS, TALCUM POWDER, FACE CREAMS, ROUGES, SACHET POWDERS, LIP STICKS, EYEBROW PENCILS, HAIR TONICS, SCALP TONICS, SCALP OINTMENTS, SHAMPOOS, LIQUID FACE POWDERS, NAIL POLISHES, NAIL BLEACHES, CUTICLE SALVES, HAND LOTIONS, DEODORIZERS, DEPILATORIES, AND BATH SALTS. BLUM'S, INCORPORATED, Chicago, Ill.
Filed March 1, 1924. Serial No. 193,091. PUBLISHED MAY 20, 1924.

187,861. BAR PINS, LOCKETS, BRACELETS, FINGER RINGS, AND SPOONS, FORKS, KNIVES MADE OF OR PLATED WITH PRECIOUS METAL, AND SOLID-SILVER AND PLATED-SILVER FLATWARE AND HOLLOW WARE. FRED A. WISH, INCORPORATED, New York, N. Y.
Filed February 28, 1924. Serial No. 193,014. PUBLISHED MAY 27, 1924.

187,862. BIBS, FAUCETS, AND COCKS. STANDARD SANITARY MFG. COMPANY, Pittsburgh, Pa.
Filed February 28, 1924. Serial No. 193,004. PUBLISHED MAY 27, 1924.

187,863. GAS RANGES, COAL RANGES, AND COMBINATION GAS AND COAL RANGES. SIEGLER ENAMEL RANGE COMPANY, Belleville, Ill.
Filed February 27, 1924. Serial No. 192,931. PUBLISHED MAY 13, 1924.

187,864. GAS RANGES, COAL RANGES, AND COMBINATION GAS AND COAL RANGES. SIEGLER ENAMEL RANGE COMPANY, Belleville, Ill.
Filed February 27, 1924. Serial No. 192,930. PUBLISHED MAY 13, 1924.

187,865. AUTOMOBILE TIRES OF RUBBER CORD AND FABRIC. THE NEW ENGLAND MILLS COMPANY, doing business as Challenger Rubber Manufacturers, Chicago, Ill.
Filed February 27, 1924. Serial No. 192,923. PUBLISHED MAY 6, 1924.

187,866. COOKING UTENSILS MADE OF ALUMINUM AND OTHER METALS. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 27, 1924. Serial No. 192,888. PUBLISHED MAY 27, 1924.

187,867. ARTICLES OF JEWELRY MADE OF PRECIOUS OR SEMIPRECIOUS METALS OR A COMBINATION THEREOF—NAMELY, RINGS, BRACELETS, AND OTHER PERSONAL JEWELRY, NOT INCLUDING WATCHES. CHARLES M. LEVY & SON, New York, N. Y.
Filed February 26, 1924. Serial No. 192,848. PUBLISHED MAY 6, 1924.

187,868. SHEET PACKING AND GASKETS MADE OF PAPER COMPOSITION. THE VELLUMOID COMPANY, Boston, Mass.
Filed February 25, 1924. Serial No. 192,806. PUBLISHED MAY 13, 1924.

187,869. LIQUID-FUEL-BURNING STOVES. PROTANE CORPORATION, Erie, Pa.
Filed February 23, 1924. Serial No. 192,731. PUBLISHED MAY 13, 1924.

187,870. EXPLOSIVES AND FIREWORKS. PAUL C. MORRIS, doing business as Al-Mor Fireworks & Novelty Co., Youngstown, Ohio.
Filed February 23, 1924. Serial No. 192,720. PUBLISHED MAY 27, 1924.

187,871. FIREARMS. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.; Ilion and New York, N. Y.
Filed February 21, 1924. Serial No. 192,644. PUBLISHED MAY 27, 1924.

187,872. CHEMICAL FOR INCREASING THE COMBUSTIBILITY OF MOTOR FUELS, FUEL OIL, AND THE LIKE AND FOR DISSOLVING OIL SLUDGES. MILE-A-MINUTE INCORPORATED, Pittsburgh, Pa.
Filed February 21, 1924. Serial No. 192,633. PUBLISHED MAY 20, 1924.

187,873. LINGERIE CLASPS, BRACELETS, SCARF-PINS, BAR PINS, BROOCHES, CUFF LINKS, SAUTOIRS, CUFF PINS, AND BARRETTES. KESTENMAN BROTHERS MFG. CO., Providence, R. I.
Filed March 5, 1924. Serial No. 193,292. PUBLISHED MAY 13, 1924.

187,874. BUCKLES, BUTTONS, ETC., OF PRECIOUS-METAL WARE. HARRY PAYTON, doing business as H. Payton Co., Providence, R. I.
Filed March 6, 1924. Serial No. 193,352. PUBLISHED MAY 13, 1924.

187,875. PERIODICAL PUBLICATION. SUNNY CALIFORNIA PUBLISHING CORPORATION, San Francisco, Calif.
Filed March 7, 1924. Serial No. 193,429. PUBLISHED MAY 27, 1924.

187,876. SOLUBLE WORM CAPSULES FOR SWINE. PETERS HOG SERUM COMPANY, Kansas City, Mo.
Filed March 8, 1924. Serial No. 193,471. PUBLISHED JUNE 3, 1924.

187,877. OXYACETYLENE CUTTING APPARATUS. AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y.
Filed March 10, 1924. Serial No. 193,487. PUBLISHED MAY 13, 1924.

187,878. ASPHALT PAINT. ELLIOTT VARNISH CO., Chicago, Ill.
Filed March 10, 1924. Serial No. 193,509. PUBLISHED APRIL 29, 1924.

187,879. VARNISH. PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo.
Filed March 10, 1924. Serial No. 193,539. PUBLISHED APRIL 29, 1924.

187,880. MIXED PAINTS. BAKER PAINT & VARNISH CO., doing business as Communipaw Paint Works, Jersey City, N. J.
Filed March 11, 1924. Serial No. 193,566. PUBLISHED MAY 20, 1924.

187,881. COMBINATION MUSIC RACK AND MUSIC-SHEET TURNER. BYRON ROY HUNT, doing business as Be Rolunt Products Company, Carmel, Ind.
Filed March 11, 1924. Serial No. 193,591. PUBLISHED MAY 20, 1924.

187,882. FURNITURE POLISH. ROBERT J. ASTLEFORD, Hazleton, Pa.
Filed March 12, 1924. Serial No. 193,650. PUBLISHED APRIL 29, 1924.

187,883. DRY GUMS AND LIQUID VARNISHES. PERMATEX COMPANY INC., Brooklyn, N. Y.
Filed March 12, 1924. Serial No. 193,678. PUBLISHED APRIL 29, 1924.

187,884. LIQUID-FUEL CAMP STOVES. GOLDBERG BROTHERS, Denver, Colo.
Filed March 14, 1924. Serial No. 193,766. PUBLISHED MAY 13, 1924.

187,885. BATTERY CHARGERS. APCO MANUFACTURING COMPANY, Providence, R. I.
Filed March 15, 1924. Serial No. 193,794. PUBLISHED MAY 27, 1924.

187,886. TOOL ADJUSTABLE FOR USE AS A WRENCH OR PLIERS. GUSTAV O. CARLSON, East Hartford, Conn.
Filed March 15, 1924. Serial No. 193,804. PUBLISHED MAY 27, 1924.

187,887. POLISHING PREPARATIONS FOR PAINTED, ENAMELED, VARNISHED, OR OTHERWISE ANALOGOUSLY COATED SURFACES OR ARTICLES. THE I-DO POLISH CO., Cleveland, Ohio.
Filed March 15, 1924. Serial No. 193,835. PUBLISHED MAY 20, 1924.

187,888. VANISHING CREAMS. KNAPP EXTRACT CO., Cleveland, Ohio.
Filed March 15, 1924. Serial No. 193,839. PUBLISHED MAY 20, 1924.

187,889. RADIO RECEIVING SETS. MOON RADIO CORPORATION, Long Island City, N. Y.
Filed March 15, 1924. Serial No. 193,846. PUBLISHED MAY 27, 1924.

187,890. LIQUID SLATING FOR BLACKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed March 15, 1924. Serial No. 193,872. PUBLISHED APRIL 29, 1924.

187,891. RADIO RECEIVING SETS AND PARTS THEREOF. ELGIN RADIO CORPORATION, Elgin, Ill.
Filed March 17, 1924. Serial No. 193,908. PUBLISHED MAY 27, 1924.

187,892. CLOTHES-WASHING MACHINES. JOHNSON ELECTRIC WASHER CO., Emeryville, Calif.
Filed March 17, 1924. Serial No. 193,926. PUBLISHED MAY 13, 1924.

187,893. PIPES AND CIGAR AND CIGARETTE HOLDERS. DASCO IMPORT CO., INC., New York, N. Y.
Filed February 14, 1924. Serial No. 192,247. PUBLISHED JUNE 3, 1924.

187,894. AUTOMOBILE TIRES MADE CHIEFLY OF RUBBER. T. O. PROBEY COMPANY, INC., Washington, D. C.
Filed February 13, 1924. Serial No. 192,220. PUBLISHED MAY 13, 1924.

187,895. TABLE BOARD GAME. V. R. SKIRVING, Sacramento, Calif.
Filed February 11, 1924. Serial No. 192,154. PUBLISHED MAY 27, 1924.

187,896. TABLE BOARD GAME. V. R. SKIRVING, Sacramento, Calif.
Filed February 11, 1924. Serial No. 192,153. PUBLISHED MAY 27, 1924.

187,897. SILK GOODS, LINENS, MADRAS, AND OTHER COTTON FABRICS IN THE PIECE. SAMUEL STRAUSS, SONS & CO., INCORPORATED, New York, N. Y.
Filed February 9, 1924. Serial No. 192,100. PUBLISHED JUNE 3, 1924.

187,898. TABLE GAME. ALDERMAN, FAIRCHILD COMPANY, Rochester, N. Y.
Filed February 8, 1924. Serial No. 191,999. PUBLISHED JUNE 8, 1924.

187,899. ABSORBENT COTTON, GAUZE, BANDAGES, POROUS PLASTERS, AND STICKING PLASTERS. AMERICAN GAUZE & COTTON COMPANY, Cape Girardeau, Mo.
Filed February 7, 1924. Serial No. 191,933. PUBLISHED MAY 27, 1924.

187,900. ELECTRIC MOTORS, ELECTRIC GENERATORS, ALTERNATORS, ROTARY CONVERTERS, MOTOR-GENERATOR SETS, DYNAMOTORS, AND SWITCHBOARDS. CONTINENTAL ELECTRIC CO., INC., Newark, N. J.
Filed February 5, 1924. Serial No. 191,813. PUBLISHED JUNE 3, 1924.

187,901. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER MOTOR CORPORATION, Detroit, Mich.
Filed February 4, 1924. Serial No. 191,746. PUBLISHED MAY 13, 1924.

187,902. RADIO AERIALS AND TUBE-PROTECTING INSTRUMENTS. FRANKLIN H. MACKENZIE, doing business as Mack Company, Philadelphia, Pa.
Filed February 2, 1924. Serial No. 191,711. PUBLISHED JUNE 3, 1924.

187,903. WRENCHES. EVER-GRIP WRENCH COMPANY, Chicago, Ill.
Filed February 1, 1924. Serial No. 191,607. PUBLISHED MAY 27, 1924.

187,904. EVAPORATED MILK. THE DEFIANCE DAIRY PRODUCTS COMPANY, Defiance, Ohio.
Filed February 1, 1924. Serial No. 191,604. PUBLISHED MAY 27, 1924.

187,905. ELECTRIC HEATING ELEMENTS FOR FLATIRONS, ELECTRIC STOVES, ELECTRIC HEATERS, PERCOLATORS, AND TOASTERS. OGDEN MANUFACTURING COMPANY, Chicago, Ill.
Filed January 26, 1924. Serial No. 191,341. PUBLISHED JUNE 3, 1924.

187,906. PRECIOUS AND SEMIPRECIOUS STONES. SUPERIOR-LAPIDARY CO., New York, N. Y.
Filed January 22, 1924. Serial No. 191,148. PUBLISHED JUNE 3, 1924.

187,907. TEXTILE CARPETS AND RUGS. BIGELOW-HARTFORD CARPET CO., Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y.
Filed January 21, 1924. Serial No. 191,052. PUBLISHED JUNE 3, 1924.

187,908. CLOCKS AND PARTS THEREOF. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany.
Filed January 18, 1924. Serial No. 190,965. PUBLISHED JUNE 3, 1924.

187,909. MECHANICAL TOYS—NAMELY, MINIATURE RAILROADS WITH MINIATURE TRAINS THEREFOR. AMERICAN FLYER MFG. CO., Chicago, Ill.
Filed January 16, 1924. Serial No. 190,863. PUBLISHED MAY 27, 1924.

187,910. TENNIS RACKETS. FRANK L. SLAZENGER CORPORATION, New York, N. Y.
Filed January 15, 1924. Serial No. 190,857. PUBLISHED MAY 27, 1924.

187,911. FLOOR BRUSHES. SAVE-A-HANDLE PRODUCTS CO., Kansas City, Mo.
Filed January 12, 1924. Serial No. 190,744. PUBLISHED MAY 27, 1924.

187,912. METAL UPHOLSTERY TRIMMING GOODS. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y.
Filed January 11, 1924. Serial No. 190,668. PUBLISHED MAY 27, 1924.

187,913. CERTAIN MEDICINE OR PHARMACEUTICAL PREPARATION. ELI LILLY & COMPANY, Indianapolis, Ind.
Filed March 27, 1924. Serial No. 194,550. PUBLISHED JUNE 3, 1924.

187,914. CERTAIN TOILET PREPARATIONS. ADDIE H. LONG, doing business as The Oriental Beauty Parlors, Washington, D. C.
Filed March 27, 1924. Serial No. 194,551. PUBLISHED JUNE 3, 1924.

187,915. MEDICINES USED AS A STOMACH POWDER. ORGAN-IRON LABORATORIES, Omaha, Nebr.
Filed March 27, 1924. Serial No. 194,566. PUBLISHED JUNE 3, 1924.

187,916. HAIR TONIC. JOHN CLYDE LYONS, Gulfport, Miss.
Filed March 28, 1924. Serial No. 194,607. PUBLISHED JUNE 3, 1924.

187,917. IRONING TABLES. RID-JID PRODUCTS CORPORATION, Chicago, Ill.
Filed March 28, 1924. Serial No. 194,620. PUBLISHED MAY 13, 1924.

187,918. INSECTICIDE. THE O. & W. THUM COMPANY, Grand Rapids, Mich.
Filed March 29, 1924. Serial No. 194,657. PUBLISHED JUNE 3, 1924.

187,919. INSECTICIDE AND FUNGICIDE. F. A. FRAZIER COMPANY, San Francisco, Calif.
Filed March 31, 1924. Serial No. 194,699. PUBLISHED JUNE 3, 1924.

187,920. INSECTICIDE. F. A. FRAZIER COMPANY, San Francisco, Calif.
Filed March 31, 1924. Serial No. 194,700. PUBLISHED JUNE 3, 1924.

187,921. PILLOWCASES. ARCHER-JANTZEN CO. INC., New York, N. Y.
Filed April 1, 1924. Serial No. 194,766. PUBLISHED MAY 27, 1924.

187,922. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 1, 1924. Serial No. 194,779. PUBLISHED MAY 27, 1924.

187,923. PHONOGRAPH RECORDS. AMERICAN RECORD MANUFACTURING COMPANY, Framingham, Mass.
Filed April 3, 1924. Serial No. 194,895. PUBLISHED MAY 20, 1924.

187,924. HAIR NETS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed April 3, 1924. Serial No. 194,939. PUBLISHED MAY 27, 1924.

187,925. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 4, 1924. Serial No. 194,973. PUBLISHED MAY 27, 1924.

187,926. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 4, 1924. Serial No. 194,974. PUBLISHED MAY 27, 1924.

187,927. COTTON PIECE GOODS. J. A. FINN & COMPANY, New York, N. Y.
Filed April 4, 1924. Serial No. 194,988. PUBLISHED MAY 27, 1924.

187,928. SILK PIECE GOODS. ZOLLINGER & SCHROTH, INC., New York, N. Y.
Filed April 4, 1924. Serial No. 195,035. PUBLISHED MAY 27, 1924.

187,929. SIZING VARNISH, OIL STENCIL PASTE, STENCIL-PROCESS JAPAN, AND ARTIST COLORS. NAZ-DAR COMPANY, Chicago, Ill.
Filed April 5, 1924. Serial No. 195,066. PUBLISHED MAY 20, 1924.

187,930. TEXTILE FABRICS IN THE PIECE—NAMELY, COTTON. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed April 7, 1924. Serial No. 195,133. PUBLISHED MAY 27, 1924.

187,931. PHONOGRAPH RECORDS. SOL KRONBERG, doing business as Domino Record Co., New York, N. Y.
Filed April 8, 1924. Serial No. 195,174. PUBLISHED MAY 20, 1924.

187,932. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & COMPANY, New York, N. Y.
Filed April 10, 1924. Serial No. 195,309. PUBLISHED MAY 27, 1924.

187,933. GOLF CLUBS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,503. PUBLISHED MAY 27, 1924.

187,934. REMEDY FOR THE SCALP AND FOR THE HAIR. MINNIE L. TAYLOR, Birmingham, Ala.
Filed March 20, 1924. Serial No. 194,140. PUBLISHED JUNE 3, 1924.

187,935. SANITARY NAPKINS, COMPRESSED SANITARY NAPKINS, SANITARY APRONS, SANITARY BLOOMERS, SANITARY BELTS, AND COMPRESSED ABSORBENT COTTON. THE VENUS CORPORATION, New York, N. Y.
Filed February 15, 1924. Serial No. 192,345. PUBLISHED MAY 27, 1924.

187,936. SPARK PLUG. HUGH W. WATSON, doing business as Barney Google Spark Plug Company, Seattle, Wash.
Filed February 18, 1924. Serial No. 192,511. PUBLISHED MAY 27, 1924.

187,937. CANNED CHILE CON CARNE. THE J. A. LYONS CHILI CO., St. Joseph, Mo.
Filed February 23, 1924. Serial No. 192,706. PUBLISHED MAY 27, 1924.

187,938. PUMPS. PAUL F. SCHRYER, Wauwautosa, Wis.
Filed February 23, 1924. Serial No. 192,737. PUBLISHED MAY 27, 1924.

187,939. ELECTRIC LAMPS AND INCANDESCENT BULBS. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 27, 1924. Serial No. 192,891. PUBLISHED JUNE 3, 1924.

187,940. MANICURE SETS COMPRISING BUFFERS, CUTICLE SCISSORS, NAIL SCISSORS, NAIL FILES, CUTICLE KNIVES, AND CORN KNIVES. J. C. DOWD & CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,902. PUBLISHED MAY 27, 1924.

187,941. HOSE FOR CONNECTING RADIATOR WITH WATER-CIRCULATING SYSTEM IN AUTOMOTIVE ENGINES. E. M. SMITH CO., Los Angeles, Calif.
Filed February 27, 1924. Serial No. 192,932. PUBLISHED MAY 20, 1924.

187,942. COMMERCIAL PAPER—NAMELY, BLANK CHECKS. THE UNION LITHOGRAPH CO., INC., Los Angeles, Calif.
Filed February 28, 1924. Serial No. 193,008. PUBLISHED MAY 13, 1924

187,943. YARNS. NATIONAL SPINNING COMPANY, INC., New York and Brooklyn, N. Y.
Filed February 29, 1924. Serial No. 193,060. PUBLISHED MAY 27, 1924.

187,944. RADIO RECEIVING SETS AND RADIO ELECTRIC APPARATUS, AS FOLLOWS: TRANSFORMERS, TRANSFORMER MOUNTINGS, AND LOUD SPEAKERS. HUGH STEVENSON, Rochester, N. Y.
Filed February 29, 1924. Serial No. 193,080. PUBLISHED JUNE 3, 1924.

187,945. SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. FRIZZELL & ROUNTREY, Norfolk, Va.
Filed March 4, 1924. Serial No. 193,228. PUBLISHED JUNE 3, 1924.

187,946. SAFETY RAZORS, SAFETY-RAZOR BLADES, AND SAFETY-RAZOR SETS. GEM SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed March 4, 1924. Serial No. 193,229. PUBLISHED MAY 27, 1924.

187,947. CANDY. FLOWERS PRODUCTS COMPANY, Pittsburgh, Pa.
Filed March 8, 1924. Serial No. 193,452. PUBLISHED MAY 27, 1924.

187,948. TABLE GAME. VINCENT B. COLEMAN, Los Angeles, Calif.
Filed March 10, 1924. Serial No. 193,504. PUBLISHED MAY 27, 1924.

187,949. CANDY, MILK CHOCOLATE, SWEET CHOCOLATE, COCOA, CHEWING GUM, PEANUT BUTTER, AND SALTED PEANUTS. OSWEGO CANDY WORKS, INC., doing business as Long's and Long's Chocolate Works, Oswego, N. Y.
Filed March 10, 1924. Serial No. 193,538. PUBLISHED MAY 27, 1924.

187,950. ANTIRHEUMATIC RING. SARAH F. KIMBALL, Pawling, N. Y.
Filed March 11, 1924. Serial No. 193,602. PUBLISHED MAY 27, 1924.

187,951. TIRES MADE OF RUBBER AND FABRIC. THE MCKONE TIRE AND RUBBER COMPANY, Millersburg, Ohio.
Filed March 11, 1924. Serial No. 193,607. PUBLISHED MAY 20, 1924.

187,952. CLOTH SOLD IN THE PIECE AND MADE OF ANIMAL FIBER. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed March 11, 1924. Serial No. 193,636. PUBLISHED JUNE 3, 1924.

187,953. MACHINERY PACKING COMPRISING RUBBER AND FIBER. WEST AMERICAN RUBBER COMPANY, Los Angeles, Calif.
Filed March 26, 1923. Serial No. 178,081. PUBLISHED MAY 13, 1924.

187,954. CERTAIN TOOLS AND AGRICULTURAL IMPLEMENTS. THE COLLINS COMPANY, Collinsville, Conn.
Filed March 8, 1923. Serial No. 177,122. PUBLISHED MAY 27, 1924.

187,955. CERTAIN NAMED METALLIC PENCILS. THE GOLDSTEIN MANUFACTURING COMPANY, Buffalo, N. Y.
Filed February 1, 1923. Serial No. 175,389. PUBLISHED JUNE 3, 1924.

187,956. WOOLEN PIECE GOODS. P. M. QUAS COHEN, doing business as Cohen & Wilks, Cheetham, Manchester, England.
Filed January 2, 1923. Serial No. 174,073. PUBLISHED MAY 27, 1924.

187,957. SOFT DRINK AND SIRUP. THE DOUBLE EAGLE BOTTLING CO., Cleveland, Ohio.
Filed December 23, 1922. Serial No. 173,761. PUBLISHED MAY 27, 1924.

187,958. SANDWICHES. EDWARD Q. CORDNER, Chicago, Ill., assignor to Potato Dog Corporation, Chicago, Ill.
Filed November 3, 1922. Serial No. 171,528. PUBLISHED MAY 27, 1924.

187,959. SKIN CREAM. WORLD'S DISPENSARY MEDICAL ASSOCIATION, Buffalo, N. Y.
Filed October 21, 1922. Serial No. 171,053. PUBLISHED JUNE 3, 1924.

187,960. MAGNETO-ELECTRIC IGNITION SYSTEMS FOR INTERNAL-COMBUSTION ENGINES AND PARTS THEREOF. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany.
Filed October 6, 1922. Serial No. 170,365. PUBLISHED JUNE 3, 1924.

187,961. RUSSIAN CAVIAR. VITA FISH PRESERVING WORKS, New York, N. Y.
Filed August 24, 1922. Serial No. 168,656. PUBLISHED JUNE 3, 1924.

187,962. CERTAIN FOOD PRODUCTS. THE EAVEY CO., Xenia, Ohio.
Filed May 31, 1922. Serial No. 164,698. PUBLISHED MAY 27, 1924.

187,963. ELECTRIC-ARC ELECTRODES OF CARBON AND APPARATUS FOR ELECTRIC LIGHTING—NAMELY, SEARCHLIGHTS, ARC LAMPS, AND LAMPS FOR CINEMATOGRAPHIC AND PROJECTION PURPOSES. GEBRUDER-SIEMENS & COMPANY, Berlin-Lichtenberg, Germany.
Filed February 28, 1922. Serial No. 159,961. PUBLISHED JUNE 3, 1924.

187,964. ELECTRIC-ARC ELECTRODES OF CARBON AND APPARATUS FOR ELECTRIC LIGHTING. GEBRUDER SIEMENS & COMPANY, Berlin-Lichtenberg, Germany.
Filed February 28, 1922. Serial No. 159,960. PUBLISHED JUNE 3, 1924.

187,965. HAIR NETS. GEORGE B. MACLEOD, doing business as Marionette Company, New York, N. Y.
Filed November 22, 1921. Serial No. 155,767. PUBLISHED MAY 27, 1924.

187,966. WOOD SCREWS, MACHINE SCREWS, MACHINE-SCREW NUTS, CAP SCREWS, SET SCREWS, STOVE BOLTS, RIVETS, AND BURRS. REED & PRINCE MANUFACTURING COMPANY, Worcester, Mass.
Filed April 9, 1923. Serial No. 178,866. PUBLISHED MAY 27, 1924.

187,967. CHINESE DOMINOS. PUNG-CHOW COMPANY, INC., New York, N. Y.
Filed April 30, 1923. Serial No. 179,954. PUBLISHED MAY 27, 1924.

187,968. MALT EXTRACT AND MALT AND HOP EXTRACT. PRIMA COMPANY, Chicago, Ill.
Filed September 10, 1923. Serial No. 185,618. PUBLISHED MAY 27, 1924.

187,969. NONALCOHOLIC, MALTLESS, BEVERAGE SOLD AS A SOFT DRINK. HURTY-PECK & COMPANY, Indianapolis, Ind.
Filed September 1, 1923. Serial No. 185,280. PUBLISHED MAY 27, 1924.

187,970. CANNED VEGETABLES—NAMELY, CORN, KRAUT, RED KIDNEY BEANS, AND HOMINY, PREPARED MUSTARD, AND COCOA. RAMEY-MILBURN CO., Kensett and Shirley, Ark.
Filed August 20, 1923. Serial No. 184,759. PUBLISHED MAY 27, 1924.

187,971. RADIO RECEIVING SETS. THE CLEVELAND APPARATUS COMPANY, Grafton, Ohio.
Filed July 16, 1923. Serial No. 183,318. PUBLISHED JUNE 3, 1924.

187,972. GOLF BALLS. WRIGHT & DITSON, Boston, Mass.
Filed April 4, 1923. Serial No. 178,585. PUBLISHED JUNE 3, 1924.

187,973. FLUID-FUEL BOILERS, HEAT REGULATORS, AND BOILER SECTIONS, BURNERS, AND VALVES. UNITED UTILITIES & ENGINEERING CORP., Philadelphia, Pa.
Filed December 22, 1923. Serial No. 190,038. PUBLISHED MAY 13, 1924.

187,974. FRESH, CANNED, BOTTLED, DRIED, AND PRESERVED FRUITS, INCLUDING PEACHES, PEARS, AND APRICOTS. MORRIS & JONES LIMITED, Liverpool, England.
Filed December 26, 1923. Serial No. 190,123. PUBLISHED APRIL 29, 1924.

187,975. FRESH, CANNED, BOTTLED, DRIED, AND PRESERVED FRUITS, INCLUDING PEACHES, PEARS, AND APRICOTS. MORRIS & JONES LIMITED, Liverpool, England.
Filed December 26, 1923. Serial No. 190,124. PUBLISHED APRIL 29, 1924.

187,976. LIQUID DANDRUFF REMOVER AND LIQUID TOILET WATER. UNITED CUTLERY COMPANY, Worcester, Mass.
Filed January 5, 1924. Serial No. 190,481. PUBLISHED JUNE 3, 1924.

187,977. SURGICAL SPLINT. JOHN H. PRANTE, Dallas, Tex.
Filed January 7, 1924. Serial No. 190,518. PUBLISHED FEBRUARY 26, 1924.

187,978. LIGHT DEFLECTORS FOR AUTOMOBILE HEADLIGHTS. METAL PRODUCTS COMPANY, Ogden, Utah.
Filed January 10, 1924. Serial No. 190,645. PUBLISHED MAY 13, 1924.

187,979. VARNISH. EDWARD WILSON BRUCE, doing business as Superior Varnish Re-New-Er Co., Santa Ana, Calif.
Filed January 12, 1924. Serial No. 190,717. PUBLISHED APRIL 22, 1924.

187,980. VARNISH. EDWARD WILSON BRUCE, doing business as Superior Varnish Re-New-Er Co., Santa Ana, Calif.
Filed January 12, 1924. Serial No. 190,718. PUBLISHED APRIL 22, 1924.

187,981. RADIO ELECTRICAL APPLIANCES—NAMELY, TUNING UNITS AND COMPONENT PARTS THEREOF—THAT IS TO SAY, A DEVICE ADAPTED TO BE INSERTED INTO EITHER THE AERIAL OR GROUND CIRCUIT OF A RECEIVER. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed January 14, 1924. Serial No. 190,773. PUBLISHED MAY 6, 1924.

187,982. FINISHED PRINTING PLATES. PONTIAC ENGRAVING & ELECTROTYPE CO., Chicago, Ill.
Filed January 17, 1924. Serial No. 190,937. PUBLISHED MAY 6, 1924.

187,983. COATING COMPOSITION OF VARYING CONSISTENCIES FOR THE PROTECTION AND REPAIR OF ROOFS AND THE LIKE AND FOR POINTING UP CHIMNEYS, FLASHINGS, ETC. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed January 17, 1924. Serial No. 190,947. PUBLISHED APRIL 22, 1924.

187,984. PRINTING INKS. JAENECKE-AULT COMPANY, Newark, N. J.
Filed January 19, 1924. Serial No. 191,022. PUBLISHED MAY 6, 1924.

187,985. BLANKETS—NAMELY, COTTON BLANKETS FOR PERSONAL USE. L. B. PRICE MERCANTILE COMPANY, Greenwich, Conn.
Filed January 23, 1924. Serial No. 191,186. PUBLISHED MAY 27, 1924.

187,986. TOOTH POWDER, TOOTH PASTES, AND GARGLES. AKTIEBOLAGET DENTOSAL, Stockholm, Sweden.
Filed January 25, 1924. Serial No. 191,248. PUBLISHED JUNE 3, 1924.

187,987. RUBBERIZED RAINCOATS, TOPCOATS, AND OVERCOATS. JACOB I. ARONSON, doing business as Aronson Coal Co., Boston, Mass.
Filed January 30, 1924. Serial No. 191,469. PUBLISHED MAY 6, 1924.

187,988. ARTIFICIAL PEARLS. DAVID NAPHTALI PUDLIN, Los Angeles, Calif.
Filed February 1, 1924. Serial No. 191,640. PUBLISHED MAY 6, 1924.

187,989. COUGH WAFFLES, A COUGH REMEDY MADE IN THE FORM OF A WAFFLE AND USED AS ORDINARY COUGH DROPS. ISAAC J. EPSTEIN, doing business as Epstein Pharmacal Co., San Francisco, Calif.
Filed February 2, 1924. Serial No. 191,676. PUBLISHED MAY 20, 1924.

187,990. INTERNAL MEDICINE FOR THE TREATMENT OF AMENORRHEA, DYSMENORRHEA, AND OTHER MENSTRUAL COMPLAINTS. FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex.
Filed February 2, 1924. Serial No. 191,691. PUBLISHED MAY 20, 1924.

187,991. INTERNAL MEDICINE FOR DIGESTIVE AND STOMACH TROUBLES. FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex.
Filed February 2, 1924. Serial No. 191,692. PUBLISHED MAY 20, 1924.

187,992. OINTMENT FOR THE TREATMENT OF SKIN INFECTIONS. FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex.
Filed February 2, 1924. Serial No. 191,693. PUBLISHED MAY 20, 1924.

187,993. LACQUER. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio.
Filed March 26, 1924. Serial No. 194,450. PUBLISHED MAY 20, 1924.

187,994. WASH BLUE. VEREINIGTE ULTRAMARINFABRIKEN, AKTIEN-GESELLSCHAFT, VORMALS LEVERKUS, ZELTNER UND CONSORTEN, KÖLN AM RHEIN, Cologne-on-the-Rhine, Germany.
Filed February 18, 1924. Serial No. 192,510. PUBLISHED JUNE 3, 1924.

187,995. DEODORANTS AND AIR PURIFIERS. WEST DISINFECTING COMPANY, New York, N. Y.
Filed March 24, 1924. Serial No. 194,383. PUBLISHED MAY 20, 1924.

187,996. PNEUMATIC AND NONPNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES. HERBERT VERNET WHITLOCK, Elizabeth, N. J.
Filed February 16, 1924. Serial No. 192,462. PUBLISHED MAY 13, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

187,997. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WOODROTH GUM CO., INC., Brooklyn, N. Y., assignor to George G. Peirsonnet, New York, N. Y. Filed Nov. 15, 1922. Serial No. 172,070.

CHICLEMINT 1¢

Particular description of goods.—Vending Machines.
Claims use since Nov. 15, 1916.

187,998. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.). INTER-OCEAN RADIO CORPORATION, New York, N. Y. Filed Mar. 23, 1923. Serial No. 177,912.

WOODEHORN

Particular description of goods.—Receiving Sets for Wireless Apparatus and Horns Therefor.
Claims use since Sept. 1, 1922.

187,999. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TOMPKINS-KIEL MARBLE CO., New York, N. Y. Filed Mar. 29, 1923. Serial No. 178,308.

JAUNE NILE FLEURI

Particular description of goods.—Uncut and Unfinished Marble.
Claims use since Sept. 15, 1922.

188,000. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TOMPKINS-KIEL MARBLE CO., New York, N. Y. Filed Mar. 29, 1923. Serial No. 178,309.

JAUNE NILE VEINE

Particular description of goods.—Uncut and Unfinished Marble.
Claims use since Sept. 15, 1922.

188,001. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN ENAMELED PRODUCTS CO., Chicago, Ill. Filed July 2, 1923. Serial No. 182,696.

SNO-WITE

Particular description of goods.—Porcelain and Baked Enameled Articles—to wit, Table Shoes, Range Leg Rests, Counter Set-Ups, Bill-of-Fare Holders, Foot-Rail Brackets, Drawer Pulls, Shower-Curtain Rods, Pipe Escutcheons, Pipe Floor Flanges, Faucet-Hole Covers, Towel Bars, Towel Shelves, Shelves, Hooks, Sash Lifts, Handles, Wall Towel Baskets; Built-In or Inset Soap Dishes, Handrails, Combination Soap and Grab Rails, Toilet-Paper Holders.
Claims use since June 1, 1917.

188,002. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTER BROS., New York, N. Y. Filed July 7, 1923. Serial No. 182,944.

CHISELEDGE

Trade-mark consists of the word "Chiseledge."
Particular description of goods.—Edged Small Implements of Cutlery—viz, Razors and Scissors.
Claims use since June 21, 1923.

188,003. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,474.

GENUINE LORRAINE SUPERFINE SUITINGS

Particular description of goods.—Cotton Goods in the Piece, Silk and Cotton Piece Goods, and Silk and Wool Piece Goods.
Claims use since Sept. 25, 1922.

188,004. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,476.

GENUINE LORRANIE SUITINGS

Particular description of goods.—Cotton and Wool Goods in the Piece and Wool and Silk Goods in the Piece.
Claims use since June, 1913.

188,005. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MARY ZAPUTA, doing business as The Arma Ice Cream and Bottling Works, Arma, Kans. Filed Nov. 2, 1923. Serial No. 187,896.

ARMA

Particular description of goods.—Nonalcoholic, Multless Soda Pop.
Claims use since Mar. 1, 1923.

188,006. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. J. MUSSEHL, doing business as Mussehl & Westphal, Fort Atkinson, Wis. Filed Nov. 22, 1923. Serial No. 188,694.

"The Musical Pitchfork"

Particular description of goods.—Musical Pitchforks.
Claims use since May 1, 1923.

188,007. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ETNA WATCH CO., New York, N. Y. Filed Dec. 10, 1923. Serial No. 189,449.

"ETON"

Particular description of goods.—Time Recorders, Clocks, and Watches.
Claims use since January, 1923.

188,008. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ETNA WATCH CO., New York, N. Y. Filed Dec. 10, 1923. Serial No. 189,450.

ETNA WATCH CO.

Particular description of goods.—Time Recorders, Clocks, and Watches.
Claims use since January, 1920.

188,009. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MARVIN WATCH CO., Chaux-de-Fonds, Switzerland. Filed Dec. 19, 1923. Serial No. 189,906.

MARVIN

Particular description of goods.—Watches, Watch Movements, Parts of Watches and Watch Movements, and Timers.
Claims use since about 1895.

188,010 (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed Jan. 25, 1924. Serial No. 191,268.

TYPE 10

Particular description of goods.—Air Compressors and Pumps.
Claims use since about Jan. 1, 1902.

188,011. (CLASS 39. CLOTHING.) IRVING BERLIN, INC., doing business as Greene's, Chicago, Ill. Filed Feb. 23, 1924. Serial No. 192,701.

Greene's
LADIES WEARING APPAREL

Particular description of goods.—Coats, Suits, Dresses, Blouses, Fur Coats, Fur Chokers, Fur Collars, Fur Capes, Fur Muffs, Fur Scarfs, Millinery Consisting of Ladies' and Children's Trimmed Hats; Leather, Rubber, and Fabric Shoes; Sweaters, Hosiery, and Undergarments for Women and Children.
Claims use since July 1, 1922.

188,012. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WYSS & TRÖHLER, WELTA, EDYS & NELKA WATCH CO., INC., doing business as Nelka Watch Co., Bienne, Switzerland. Filed Mar. 4, 1924. Serial No. 193,264.

NELKA

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since about Jan. 1, 1922.

188,013. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WYSS & TRÖHLER, WELTA, EDYS & NELKA WATCH CO., INC., doing business as Edys Watch Co., Bienne, Switzerland. Filed Mar. 4, 1924. Serial No. 193,265.

EDYS

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since about July 1, 1922.

188,014. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE-STOKES CO. INC., Chicago, Ill. Filed Mar. 22, 1924. Serial No. 194,317.

Radnor

Particular description of goods.—A Semiprepared Base or Filler for Candy, Icings, or Toppings for Ice-Cream Sundaes and Desserts.
Claims use since June 8, 1923.

188,015. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y. Filed Apr. 4, 1924. Serial No. 194,984.

DUBILIER

Particular description of goods.—Variable Electrical Condensers, Radio Frequency Transformers, Crystal Detectors and Rectifiers, Fixed Electrical Condensers (Condensers of Constant Capacity), Constant Grid-Leak Resistances, Variable Grid-Leak Resistances, and Connecting Condenser Plugs for Radio Receiving Sets.
Claims use since on or about Oct. 31, 1910.

188,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BANNER & KORBAN, Washington, D. C. Filed Apr. 24, 1924. Serial No. 196,062.

Vienna Tea Zwieback

Particular description of goods.—Zwieback.
Claims use since Apr. 1, 1923.

188,017. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HEMMING BROS. CO., New Haven, Conn. Filed May 7, 1924. Serial No. 196,703.

HEMMING

Particular description of goods.—Kitchen and Table Knives and Forks Made of Base Metal.
Claims use since January, 1923.

188,018. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) EMIL BORNSTEIN, INC., New York, N. Y. Filed Apr. 29, 1924. Serial No. 196,287.

Photophone

Particular description of goods.—Portable Phonographs.
Claims use since about November, 1922.

188,019. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICHARD W. SIMON, Omaha, Nebr. Filed May 8, 1924. Serial No. 196,770.

DICK'S DANDELION DIGGER

Particular description of goods.—Dandelion Diggers.
Claims use since Jan. 15, 1921.

188,020. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio. Filed June 5, 1924. Serial No. 198,153.

KLEAN QUICK

Particular description of goods.—Solvent for Ink.
Claims use since Jan. 1, 1919.

188,021. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LAMB MACHINE COMPANY, Hoquiam, Wash. Filed Dec. 15, 1921. Serial No. 156,747.

LAMB

Particular description of goods.—Steel, Iron, and Bronze Castings.
Claims use since on or about Jan. 1, 1920.

188,022. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BENJAMIN WILK, doing business as The Stereo Reproductions Co., New York, N. Y. Filed Dec. 14, 1921. Serial No. 156,728.

THE STEREO REPRODUCTIONS CO.
"Nothing left to the Imagination"

Particular description of goods.—Stereoscopic Machines and Photographic Slides.
Claims use since Sept. 26, 1921.

188,023. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BOSTON INSULATED WIRE & CABLE CO., Boston, Mass. Filed Feb. 1, 1922. Serial No. 158,702.

BOSTON
Double Ridge
CABLE

Particular description of goods.—Electric Wires or Cables.
Claims use since Jan. 1, 1916.

188,024. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SANITAS TWIN TOOTH BRUSH CORP., New York, N. Y. Filed June 19, 1922. Serial No. 165,724.

SANITAS TWIN

Particular description of goods.—Toothbrushes.
Claims use since Apr. 15, 1922.

LABELS

REGISTERED AUGUST 12, 1924.

27,694.—*Title:* AQUAZONE. For Oxygenated Waters. AQUAZONE CORPORATION, New York, N. Y. Published May 1, 1924.

27,695.—*Title:* PREFERRED STOCK. For Nonalcoholic Beverages. ARNHOLT & SCHAEFER BREWING COMPANY, Philadelphia, Pa. Published May 9, 1924.

27,696.—*Title:* WHITE STAR BLEACHING WATER. For Bleaching Water. ANTONIO E. BOISCLAIR, doing business as Northampton Chemical Works, Northampton, Mass. Published May 13, 1924.

27,697.—*Title:* WHITE STAR. For Fresh Lettuce. CALIFORNIA VEGETABLE UNION, Los Angeles, Calif. Published November 15, 1923.

27,698.—*Title:* WHOLE CRACKED BREAKFAST WHEAT. For a Breakfast Food. CARQUE PURE FOOD CO., INC., Los Angeles, Calif. Published April 9, 1924.

27,699.—*Title:* WHOLE YELLOW CORN MEAL. For Corn Meal. CARQUE PURE FOOD CO., INC., Los Angeles, Calif. Published April 9, 1924.

27,700.—*Title:* SOUVENIR VIEWS. For Packages Containing Views. CURT TEICH & COMPANY, Chicago, Ill. Published March 31, 1924.

27,701.—*Title:* PILOT ROCK. For Canned Vegetables—Namely, Tomatoes. JOHN JESSE DAWSON, Cherokee, Iowa. Published April 1, 1924.

27,702.—*Title:* IMPROVED RIBBON WIRE COVERING FOR LAMP SHADES. For Covering for Wire of Lamp Shades. ECONOMY BIAS BINDING CO., New York, N. Y. Published September 10, 1923.

27,703.—*Title:* ILLUSTRO. For Cigars. GLORIFIER CIGAR CO. INC., New York, N. Y. Published June 5, 1924.

27,704.—*Title:* GOLDEN STATE BRAND BUTTER. For Butter Cartons. GOLDEN STATE MILK PRODUCTS COMPANY, San Francisco, Calif. Published April 1, 1924.

27,705.—*Title:* GOODMAN'S MIDGETEA. For Matzoths. A. GOODMAN & SONS, INC., New York, N. Y. Published June 1, 1924.

27,706.—*Title:* CAPITOL. For Evaporated Milk. HILLSBORO CONDENSED MILK COMPANY, Hillsboro, Wis. Published January 12, 1925.

27,707.—*Title:* INSTRUCTIONS FOR INSTALLING HOFFMAN QUICK CHANGE TRANSMISSION BAND FOR FORD CARS. For Transmission Bands for Automobiles. HOFFMAN MANUFACTURING, CO., Springfield, Ill. Published June 24, 1924.

27,708.—*Title:* YORKSHIRE FARM. For Canned Food Products. JOHN MORRELL & Co., Ottumwa, Iowa. Published May 1, 1924.

27,709.—*Title:* EL DONNA INVISIBLE HUMAN HAIR NET. For Hair Nets. NATIONAL TRADING COMPANY, Chicago, Ill. Published November 10, 1922.

27,710.—*Title:* CORNCHEK. For Corn Cure. RITZ CHEMICAL CO., Brooklyn, N. Y. Published June 25, 1924.

27,711.—*Title:* ST. THOMAS BAY RUM. For Bay Rum. RITZ PERFUME CO., Brooklyn, N. Y. Published June 23, 1924.

27,712.—*Title:* SILOX. For Paper Cartons Containing the Individual Containers for a Prophylactic Antiseptic Toilet Powder. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Published May 9, 1924.

27,713.—*Title:* SILOX. For Individual Containers for a Prophylactic Antiseptic Toilet Powder. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Published May 9, 1924.

27,714.—*Title:* SILOX. For Paper Cartons in Which Are Placed Individual Containers Filled with a Prophylactic Antiseptic Dusting Powder. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Published May 9, 1924.

27,715.—*Title:* CHIRPY. For a Drink. C. SMITH, Los Angeles, Calif. Published May 16, 1924.

27,716.—*Title:* STAFFORD'S PEERLESS PEELED FRENCH FRUITS ASSORTED. For Fresh Peeled Fruit. ERNEST STAFFORD, Jersey City, N. J. Published June 24, 1924.

27,717.—*Title:* MI-MA'S BREAD. For Bread. STEINECK BROS., Canton, Ohio. Published June 17, 1924.

27,718.—*Title:* WHEN I GROW UP STORIES FOR LITTLE BOYS. For a Box Containing Four Story Books. STOLL & EDWARDS COMPANY, INC., New York, N. Y. Published June 2, 1924.

27,719.—*Title:* MY VERY BEST FRIENDS. For a Box Containing Six Story Books. STOLL & EDWARDS COMPANY, INC., New York, N. Y. Published June 2, 1924.

27,720.—*Title:* PICTURE BUILDING GAME. For a Box Containing a Game. STOLL & EDWARDS COMPANY, INC., New York, N. Y. Published June 2, 1924.

27,721.—*Title:* A☆I☆D SOCIETY. For Packages Containing Coffee. JOHN G. M. STRIEBY, doing business as American Importing Departments, Chicago, Ill. Published May 27, 1922.

27,722.—*Title:* DR. DAM'S REMEDY. For Asthma Medicine. WALTER P. WEBBER, doing business as Dr. Dam's Remedy Co., Lynn, Mass. Published July 10. 1924.

27,723.—*Title:* MÜNCHNER KINDL. For Prepared Malt Extract. CARL WILDE, Philadelphia, Pa. Published February 15, 1924.

27,724.—*Title:* WILSON CLEANER. For Cleaning Fluid. WILSON CHEMICAL CO., Chicago, Ill. Published July 1, 1924.

PRINTS

REGISTERED AUGUST 12, 1924.

7,553.—*Title:* MOTIMAINT. For Automobiles. AUTOMOTIVE MAINTENANCE COMPANY, Detroit, Mich. Published July 1, 1924.

7,554.—*Title:* ON YOUR TABLE. For Ginger Ale. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Published June 16, 1924.

7,555.—*Title:* SO YOU DAWDLE THE MORNING AWAY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 3, 1924.

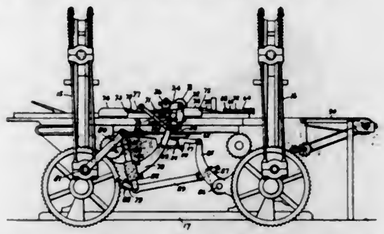
7,556.—*Title:* THE DODECAGON CUT IN THE NEUTRAL GROUND TWILIGHT TINTED LENSES. For Fancy Cut Spectacle, Eyeglass, and Colored Lenses. WILLIAM B. GEORGIA, Waco, Tex. Published May 14, 1924.

7,557.—*Title:* EVERYTHING AS CLEAN AS CLEAN CAN BE. For Washing Machine Soap. LOS ANGELES SOAP CO., Los Angeles, Calif. Published May 3, 1924.

REISSUES

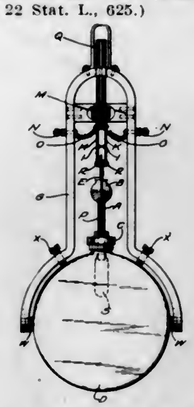
AUGUST 12, 1924.

15,889. BRICK MACHINE. JAMES R. TACKETT, Olive Hill, Ky., assignor to General Refractories Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 2, 1924. Serial No. 723,840. Original No. 1,460,455, dated July 3, 1923, Serial No. 588,715, filed Sept. 16, 1922. 10 Claims. (Cl. 25—45.)



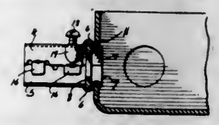
1. In a brick treating machine, a brick press, a brick re-press in spaced relation to each other, a brick support interposed between the presses on which bricks are transferred from one press to the other, horizontally reciprocating brick pushing elements for engaging bricks and pushing them over the support, vertically and longitudinally reciprocating brick carrying elements in operative relation to the support for lifting the bricks from the support and transferring them longitudinally thereof and re-depositing them thereon, and means for operating the brick pushing elements and brick carrying elements oppositely.

15,890. THERMOSTAT. GEORGE F. TAYLOR, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed June 2, 1924. Serial No. 717,447. Original No. 1,484,802, dated Feb. 26, 1924, Serial No. 680,473, filed Dec. 13, 1923. 1 Claim. (Cl. 297—3.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



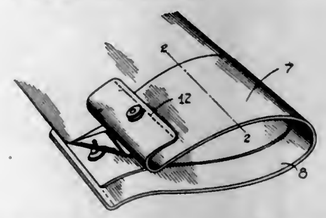
A thermostat consisting of a frame, a tube and an expansion bulb supported by said frame, said tube having an enlargement at its upper end and a rubber sack at its lower end, a spherical piston fitting loosely into said tube, a stem attached to said piston at its lower end and extending upwardly through said tube, said expansion bulb adapted to enclose said sack, said sack, tube and the lower part of the said enlargement of said tube containing mercury, a small air space provided in said tube around said piston, said sack and lower end of said tube being hermetically sealed into said expansion bulb, said expansion bulb containing liquid, said piston and stem adapted to be moved in an upward or downward direction by means of motion imparted thereto by the rising or falling of the mercury in said tube resulting from compression or the release of compression on the mercury in said rubber sack due to the expansion or contraction of the liquid in said expansion bulb.

15,891. ELECTRICAL CONNECTING DEVICE. GEORGE C. THOMAS, Jr., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed May 23, 1924. Serial No. 715,493. Original No. 1,418,989, dated June 6, 1922, Serial No. 339,575, filed Nov. 21, 1919. 6 Claims. (Cl. 247—25.)



1. In connecting devices, the combination of an outlet box having a wall with an opening therethrough, a sleeve device having a threaded aperture and adapted to receive an electric conduit, said device having a seat portion adapted to bind within said opening and comprising a plurality of parts movable to cause enlargement or restriction of said seat portion, a screw mounted in the threaded aperture of one of the parts and arranged to bear upon a conduit within said device to anchor the conduit in position and simultaneously force the parts of said portion outwardly into firm engagement with the periphery of said wall opening, and a ring bushing retained within a groove made adjacent the seat to form a stop for the end of the conduit and a guide for the cable wires.

15,892. CUFF CONSTRUCTION. ALBERT ADOLPHE FOURNIER, Ottawa, Ontario, Canada. Filed July 7, 1924. Serial No. 724,742. Original No. 1,487,452, dated Mar. 18, 1924, Serial No. 568,430, filed June 15, 1922. 1 Claim. (Cl. 2—124.)

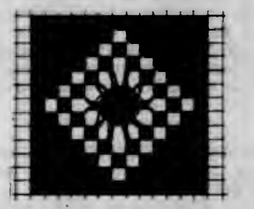


As an improved completed article of manufacture, a soft cuff comprising two thicknesses of material the longitudinal edges of which are united to form a flattened tubular member with the sole points of union at such edges of the two thicknesses disposed at opposite wearing edges of the cuff and entirely concealed within the cuff, whereby the opposite outer faces of the cuff are disconnected from each other adjacent said edges to form a rolled edge, the opposite faces of the cuff at the ends being provided with button holes.

DESIGNS

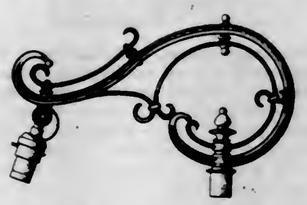
AUGUST 12, 1924.

65,392. LACE. HARRY B. BARNUM, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Nov. 1, 1923. Serial No. 7,640. Term of patent 14 years.



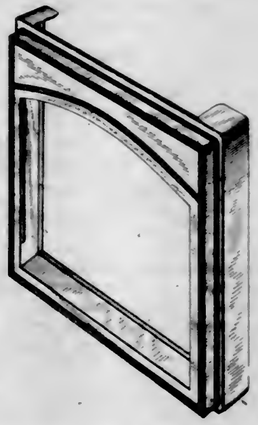
The ornamental design for lace substantially as shown.

65,393. BRACKET FOR LAMP AND LIKE STANDS. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,912. Term of patent 7 years.



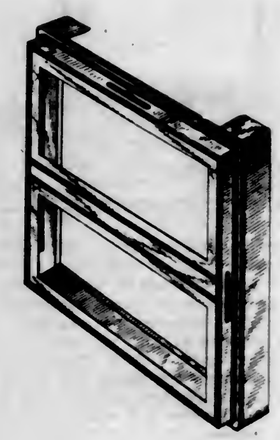
The ornamental design for a bracket for lamp and like stands, as shown.

65,394. BOX FRONT. MARTHA H. CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Sept. 26, 1923. Serial No. 7,333. Term of patent 3½ years.



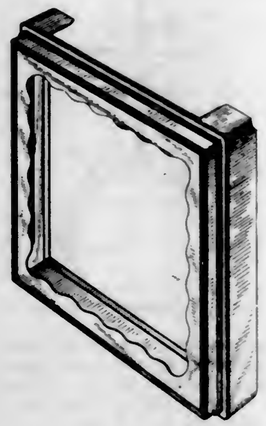
The ornamental design for a box front, as shown.

65,395. BOX FRONT. MARTHA H. CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Sept. 26, 1923. Serial No. 7,334. Term of patent 3½ years.



The ornamental design for a box front, as shown.

65,396. BOX FRONT. MARTHA H. CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Sept. 26, 1923. Serial No. 7,336. Term of patent 3½ years.



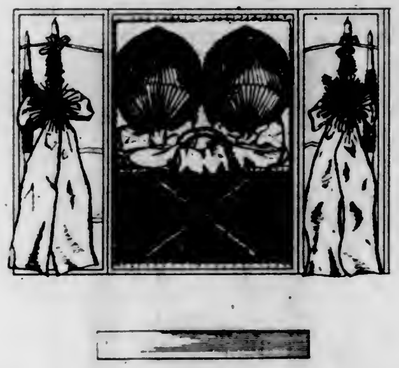
The ornamental design for a box front, as shown.

65,397. FACEPLATE FOR AN AUTOMOBILE BUMPER. WILLIAM G. COX, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 10, 1921. Serial No. 499,839. Term of patent 7 years.



The ornamental design for a faceplate for an automobile bumper, as shown.

65,398. DECORATED BOX. GEORGE DORROS, New York, N. Y. Filed Feb. 28, 1923. Serial No. 5,318. Term of patent 14 years.



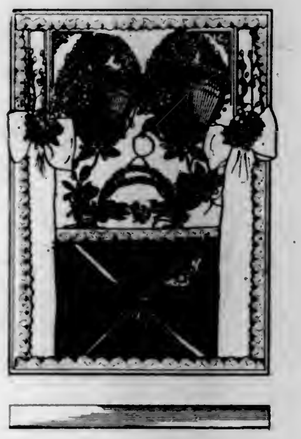
The ornamental design for a decorated box, as shown.

65,399. DECORATED BOX. GEORGE DORROS, New York, N. Y. Filed Feb. 28, 1923. Serial No. 5,319. Term of patent 14 years.



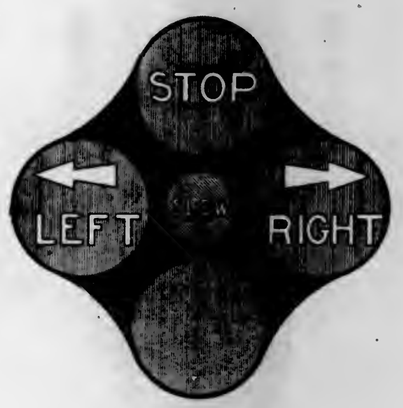
The ornamental design for a decorated box, as shown.

65,400. DECORATED BOX. GEORGE DORROS, New York, N. Y. Filed Feb. 28, 1923. Serial No. 5,320. Term of patent 14 years.



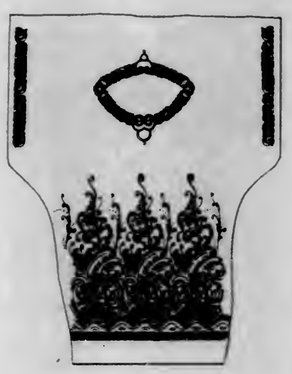
The ornamental design for a decorated box, as shown.

65,401. TAIL-LIGHT FACEPLATE. ISRAEL V. EDGERTON, Oak Park, Ill. Filed June 6, 1923. Serial No. 6,422. Term of patent 3½ years.



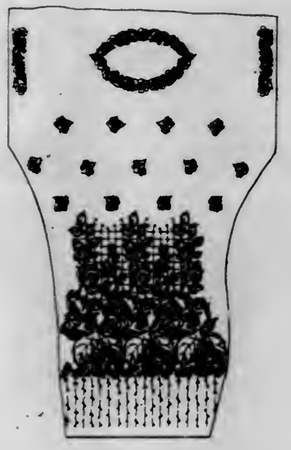
The ornamental design for a tail light faceplate, as shown.

65,402. TEXTILE FABRIC. JOHN FOLK, New York, N. Y., assignor to United Textile Print Works, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 10, 1924. Serial No. 9,216. Term of patent 3½ years.



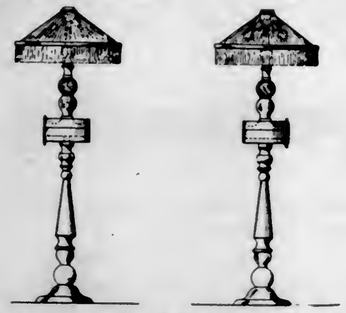
The ornamental design for a textile fabric as shown.

65,403. TEXTILE FABRIC. JOHN FOLK, New York, N. Y., assignor to United Textile Print Works, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 10, 1924. Serial No. 9,217. Term of patent 3½ years.



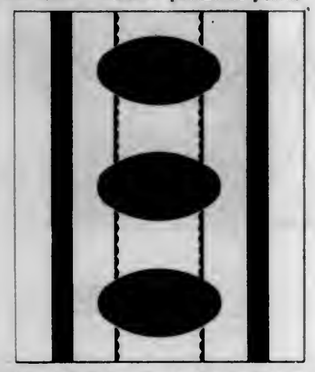
The ornamental design for a textile fabric as shown.

65,404. LAMP PEDESTAL. CLINTON W. FORD, Detroit, Mich. Filed Nov. 7, 1922. Serial No. 4,236. Term of patent 3½ years.



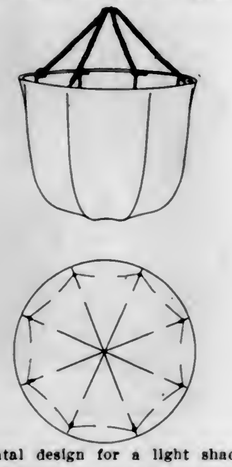
The ornamental design for a lamp pedestal as shown.

65,405. SHEET OF WRAPPING PAPER. WILLIAM J. FREIHOFER, Philadelphia, Pa. Filed Feb. 26, 1923. Serial No. 5,270. Term of patent 14 years.



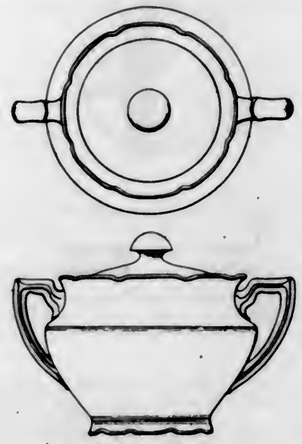
The ornamental design for a sheet of wrapping paper substantially as shown.

65,406. LIGHT SHADE OF SIMILAR ARTICLE. ISABEL C. GULICK, Boston, Mass. Filed Feb. 7, 1924. Serial No. 8,564. Term of patent 14 years.



The ornamental design for a light shade or similar article, as shown.

65,407. SUGAR BOWL. MARK A. HALEY, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 4,441. Term of patent 14 years.



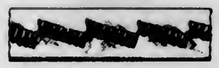
The ornamental design for a sugar bowl, substantially as shown.

65,408. CUP. MARK A. HALEY, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 4,443. Term of patent 14 years.



The ornamental design for a cup, substantially as shown.

65,409. BIAS TRIMMING. JOSEPH JACOBS, South Norwalk, Conn., assignor to Webbing & Edging Corporation, New York, N. Y., a Corporation of New York. Filed June 4, 1924. Serial No. 9,793. Term of patent 3½ years.



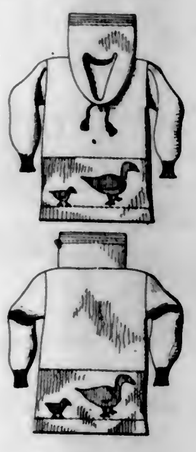
The ornamental design for bias trimming substantially as shown.

65,410. ARTIFICIAL LEAF FOR MILLINERY AND THE LIKE PURPOSES. MAX KAPLAN, New York, N. Y. Filed Feb. 24, 1922. Serial No. 857. Term of patent 3½ years.



The ornamental design for an artificial leaf for millinery and the like purposes as shown and described.

65,411. SWEATER. HARRY A. KAUFMAN, New York, N. Y., assignor to Manhattan Knitting Mills, Incorporated, New York, N. Y. Filed Mar. 21, 1923. Serial No. 5,549. Term of patent 7 years.



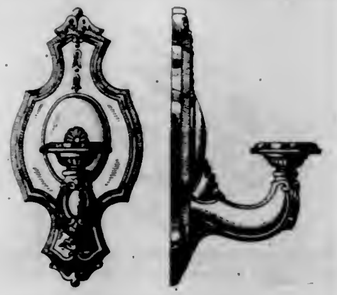
The ornamental design for a sweater, as shown.

65,412. CHAIR. FRANK KOENIGKRAMER, Cincinnati, Ohio. Filed Oct. 19, 1922. Serial No. 4,028. Term of patent 7 years.



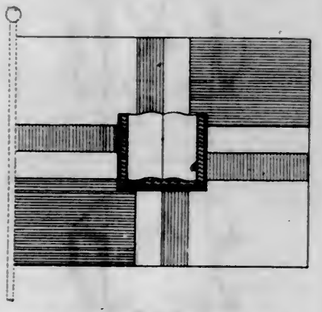
The ornamental design for a chair as shown.

65,413. WALL BRACKET. SAMUEL KRAMER and ABRAHAM KRAMER, Brooklyn, N. Y. Filed June 24, 1924. Serial No. 9,959. Term of patent 3½ years.



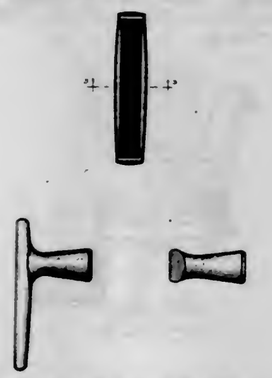
The ornamental design for a wall bracket, as shown.

65,414. FLAG. PIERRE de CHAIGNON LA ROSE, Cambridge, Mass., assignor to The Catholic Students' Mission Crusade, Cincinnati, Ohio, a Firm composed of Henry Moeller, Frank J. Beckmann, Frank A. Thill, Robert B. Riordan, William B. Foley, and F. J. Helm. Filed Dec. 31, 1923. Serial No. 8,204. Term of patent 14 years.



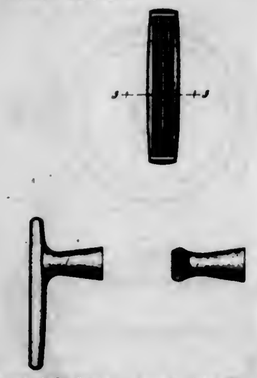
The ornamental design for a flag, as shown.

65,415. HANDLE FOR AUTOMOBILE DOORS. ROLLO MARPLE, Charlotte, Mich., assignor to Hancock Manufacturing Company, Charlotte, Mich., a Corporation of Michigan. Filed Mar. 3, 1924. Serial No. 8,801. Term of patent 3½ years



The ornamental design for a handle for automobile doors, substantially as shown.

65,416. HANDLE FOR AUTOMOBILE DOORS. ROLLO MARPLE, Charlotte, Mich., assignor to Hancock Manufacturing Company, Charlotte, Mich., a Corporation of Michigan. Filed Mar. 3, 1924. Serial No. 8,802. Term of patent 3½ years



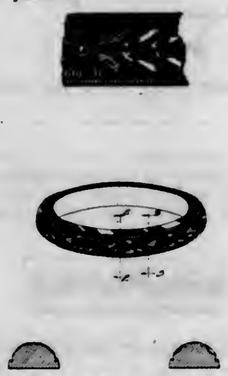
The ornamental design for a handle for automobile doors, substantially as shown.

65,417. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,614. Term of patent 14 years.



The ornamental design for a bottle as shown.

65,418. RING. JULIUS J. MELMS and CHARLES E. WALLACE, Detroit, Mich.; said Melms assignor to said Wallace. Filed May 5, 1924. Serial No. 9,482. Term of patent 7 years.



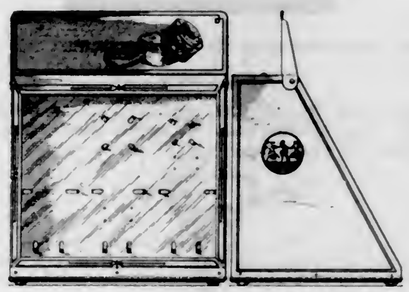
The ornamental design for a ring as shown.

65,419. PIN. VERA MENEFEE, Los Angeles, Calif. Filed Apr. 2, 1924. Serial No. 9,141. Term of patent 3½ years.



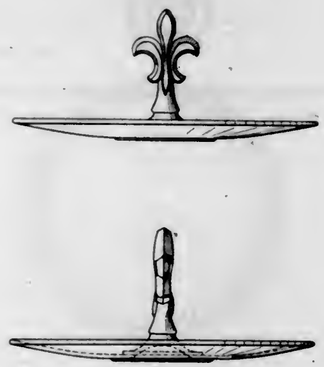
The ornamental design for a pin, as shown.

65,420. DISPLAY CABINET. FRANK I FOUS, Coshocton, Ohio, assignor to Nymfaun Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 20, 1924. Serial No. 9,011. Term of patent 3½ years.



The ornamental design for a display cabinet, substantially as shown.

65,421. SANDWICH TRAY OR SIMILAR ARTICLE. CALVIN B. ROE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corpotion of West Virginia. Filed Jan. 7, 1924. Serial No. 8,260. Term of patent 14 years.



The ornamental design for a sandwich tray or similar article as shown.

65,422. BOTTLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed Aug. 3, 1920. Serial No. 401,061. Term of patent 3½ years.



The ornamental design for a bottle, as shown.

65,423. LAMP PEDESTAL OR OTHER SIMILAR ARTICLE. JOSEPH SOHN, New York, N. Y. Filed May 20, 1924. Serial No. 9,746. Term of patent 7 years.



The ornamental design for a lamp pedestal or other similar article, as shown.

65,424. AUTOMOBILE RADIATOR SHIELD. JAMES N. SOMMERVILLE, Fresno, Calif. Filed Mar. 25, 1924. Serial No. 9,058. Term of patent 7 years.



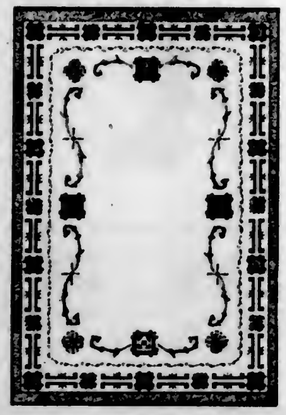
The ornamnetal design for an automobile radiator shield as shown.

65,425. RUG. RAYMOND WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 28, 1924. Serial No. 9,419. Term of patent 3½ years.



The ornamental design for a rug, as shown.

65,426. RUG. RAYMOND WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 28, 1924. Serial No. 9,420. Term of patent 3½ years.



The ornamental design for a rug, as shown.

65,427. ICE-CREAM CONE. HELEN C. WINNIE, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 8,606. Term of patent 3½ years.

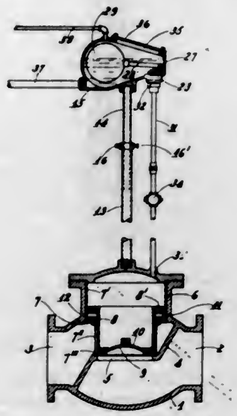


The ornamnetal design for an ice cream cone as shown.

PATENTS

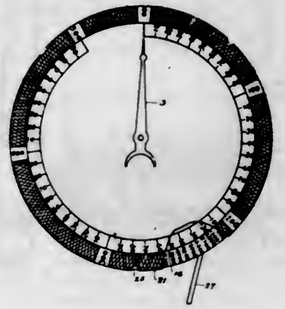
GRANTED AUGUST 12, 1924.

1,504,201. AUTOMATIC CONTROLLING VALVE FOR TANKS. EDWARD V. ANDERSON, Monessen, Pa., assignor of one-half to Charles E. Golden, Crafton, Pa. Filed June 29, 1922. Serial No. 571,782. 4 Claims. (Cl. 137—101.)



1. The combination of a vessel to be filled, a supply conduit discharging thereinto, a main valve interposed in said supply conduit, a vertical standard fixed to the main valve housing, a float chamber in communication with the vessel and having a stem depending therefrom adjustably fixed to said standard whereby to vary the height thereof, a float disposed within the chamber, a vent pipe connecting the main valve housing above the valve therein with the float chamber, a normally closed vent valve in the vent pipe, said float being adapted to open the vent valve to relieve pressure above the main valve whenever the liquid in the float chamber reaches a predetermined low level.

1,504,202. DIAL SCALE. NILS H. ANDERSON, Bridgeport, Conn., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Feb. 3, 1921. Serial No. 442,323. 13 Claims. (Cl. 265—48.)



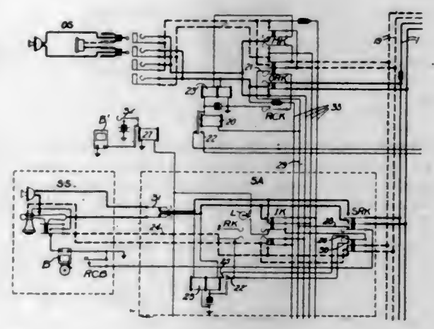
1. A registering mechanism including a pair of graduated dials arranged one in back of the other, the rear dial being stationary, the front dial including a ring-shaped body and being adapted to rotate with respect to said rear dial, the inner edges of said front dial overlapping the outer edges of said rear dial, the graduations on one of said dials being interpretive of the graduations on the other of the same.

1,504,203. SCALE LOOP. NILS H. ANDERSON, Trumbull, Conn., assignor to The E. & T. Fairbanks & Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Mar. 24, 1922. Serial No. 546,251. 4 Claims. (Cl. 74—104.)



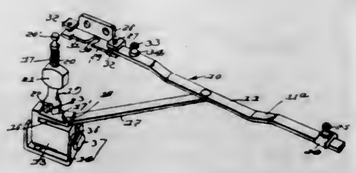
1. A scale loop comprising a U-shaped body formed of a single piece of metal having perforations through its ends, angular plates loosely inserted in said perforations, and means sprung into said perforations for retaining said plates in the perforations.

1,504,204. SWITCHING CIRCUIT FOR RADIO AND SIMILAR SYSTEMS. WALLACE P. ANDRICK, Hohokus, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,080. 18 Claims. (Cl. 179—2.)



1. A signaling system, having a . tusmit-receive switch which in one position renders said system effective for transmission and in another position renders said system effective for reception, a plurality of substations adapted for connection to said system, a switching circuit for connecting a selected substation to said system, and means controlled by the connection of a selected substation to said system whereby said transmit-receive switch is placed under the control of means at the selected substation.

1,504,205. SASH FASTENER. HJALMAR ARVESKAUG, Fessenden, N. Dak. Filed Mar. 18, 1922. Serial No. 544,801. 11 Claims. (Cl. 292—263.)



1. A sash holding and fastening device having frame and sash attaching plates, a seating block detachably secured to the frame attaching plate, a toggle lever having its arms pivotally connected respectively with said seating block and sash attaching plate, and means for locking said arms respectively in their extended and folded relations, the arm which is connected at one end with the sash attaching plate being adapted at the other end to overlap and engage said seating block.

1,504,206. PROCESS OF AND MEANS FOR NICKEL PLATING. EDWIN M. BAKER, Ann Arbor, Mich., assignor to Christian Girl, Kalamazoo, Mich. Filed Jan. 5, 1923. Serial No. 610,927. 12 Claims. (Cl. 204—14.)

1. The process of nickel-plating articles which comprises the following steps:

(*a*) Subjecting the articles to an electro-plating treatment, employing therein anodes of substantially pure nickel, a current density of approximately 100 amperes per square foot of metal treated, and a bath heated to about 85° C. and containing the following ingredients, in substantially the proportions stated, per gallon of solution:

32 oz. nickel sulphate ($NiSO_4.7H_2O$)
3.3 oz. nickel chloride ($NiCl_2.6H_2O$)
2 oz. boric acid (H_3BO_3).

(*b*) Subjecting the said articles to a copper-plating treatment in a bath agitated with air and at a temperature of approximately 30° C., said bath containing the following ingredients in approximately the proportions stated per gallon:

28 oz. of copper sulphate ($CuSO_4.5H_2$)
11 oz. of sulphuric acid (H_2SO_4).

(*c*) Nickel-plating the articles in substantially the same manner and in a bath of the same character as set forth in step (*a*) hereinbefore.

1,504,207. METHOD OF DETERMINING BORIC ACID IN NICKEL-CONTAINING SOLUTIONS. EDWIN M. BAKER, Ann Arbor, Mich., assignor to Christian Girl, Kalamazoo, Mich. Filed Jan. 24, 1923. Serial No. 614,685. 12 Claims. (Cl. 23—30.)

11. A mixture of bromo-cresol purple with bromothymol blue in proportions suitable to form an indicator capable of undergoing a sharp change in color immediately upon neutralization by a standard alkali of the boric acid in a nickel-containing solution.

1,504,208. ELECTRICAL HEATER FOR OIL WELLS. PERCIVAL F. BRINE, Boston, Mass., assignor to Oil Wells Renewal Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 5, 1922. Serial No. 586,192. 14 Claims. (Cl. 219—33.)

1. An electric heater for oil wells, comprising, in combination, a pair of heads each having a plurality of threaded tube-receiving apertures, tubes connecting said heads and having threaded ends entering the threaded apertures, the threads upon one end of the tubes extending along the same a sufficient distance to permit the tubes to be screwed into one head an abnormal distance and then screwed into the other head by backing the tubes



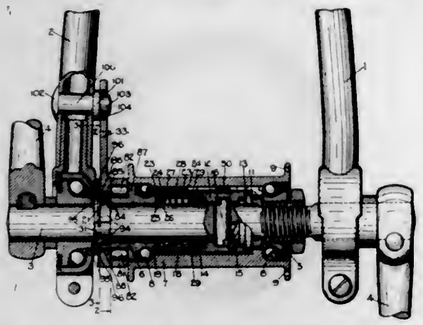
outwardly in the first head to the normal position, electrical resistance coils within said tubes, and a cable for supplying current to said coils.

1,504,209. PENCIL AND PROCESS OF MAKING THE SAME. LUCIAN W. BUGBEE, Indianapolis, Ind. Filed Jan. 18, 1924. Serial No. 687,031. 16 Claims. (Cl. 18—47.5.)



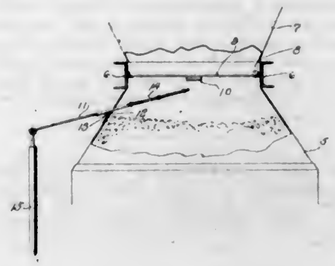
1. The process of making a pencil, which process includes forming a lead composed of clay and carbonaceous material intermixed and heating the lead sufficiently to harden the clay and char the carbonaceous material and convert it into charcoal or the like.

1,504,210. DRIVING AND BRAKING MECHANISM. GEORGE G. BUSH, Bristol, Conn., assignor to The New Departure Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed Mar. 10, 1922. Serial No. 542,776. 38 Claims. (Cl. 192—6.)



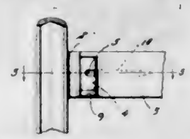
1. In a driving and braking mechanism, a driver, a driven wheel, and means whereby through mere backward movement of said driver said wheel can be driven backwardly and can be braked; substantially as described.

1,504,211. MATERIAL-HANDLING EQUIPMENT. MORGAN R. BUTLER, Waukesha, Wis. Filed Aug. 25, 1922. Serial No. 584,371. 3 Claims. (Cl. 110—114.)



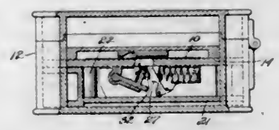
2. In a device of the character described, the combination with a measuring hopper and a supply bin arranged to discharge therein, of a lever having its inner end adjacent the discharge of the supply bin and its other end positioned exteriorly of the hopper, and means normally urging the inner end of the lever upwardly toward the supply bin discharge, the material entering the hopper from the bin tending to depress the lever inner end against the force of said means, said means raising the lever inner end when the passage of material from the supply bin into the hopper ceases and the volume of material in the hopper is less than a predetermined amount.

1,504,212. SPECTACLE-HINGE CONSTRUCTION. CHARLES O. CARLSON, Providence, R. I. Filed Apr. 3, 1922. Serial No. 548,906. 16 Claims. (Cl. 88—53.)



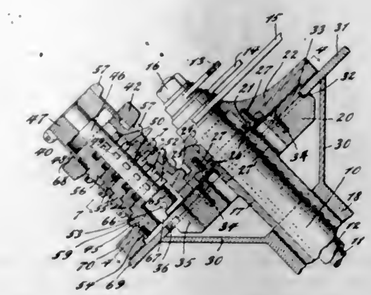
1. The combination with a non-metallic spectacle frame of a concealed metallic temple connecting hinge for connecting the temple thereto, having metallic bearing surfaces throughout its pivotal length, the frame having a non-metallic portion projecting over said hinge to conceal it from view.

1,504,213. RECORDER FOR WATCHMEN AND THE LIKE. EVERETT D. CHADWICK, Winchester, Mass. Filed May 27, 1920, Serial 384,570. Renewed Jan. 9, 1924. 11 Claims. (Cl. 234—37.)



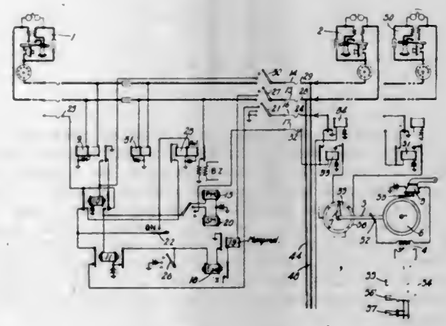
1. Recording apparatus comprising, in combination, a casing having a movable record sheet therein, actuating means for moving said sheet, and a series of individually distinguishable keys adapted to make records on said sheet and to set said actuating means in position to effect automatically the movement of said sheet after a record has been made.

1,504,214. STEERING-WHEEL LOCK. GANDOLFO CIPRIANO, New York, N. Y. Filed Nov. 17, 1920. Serial No. 424,655. 12 Claims. (Cl. 70—129.)



1. In mechanism for locking steering wheels, the combination of a steering shaft, a steering member fixed on said steering shaft fixed casing surrounding the steering shaft, two independently rotatable members which cooperate with said casing to enclose the steering member, and means for locking said rotatable members to the steering member.

1,504,215. TELEPHONE-EXCHANGE SYSTEM. HENRY P. CLAUSEN, Mount Vernon, and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 5, 1919. Serial No. 302,030. 4 Claims. (Cl. 179—16.)

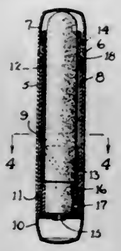


1. In a telephone system, telephone lines, each including a calling signal, means for calling said lines and actuating said signals, a secondary calling signal common to said lines, said secondary signal comprising a phonographic speech reproducing circuit arranged to reproduce calls individually characteristic of said lines, and means dependent on the condition established for actuating a particular one of said first signals for subsequently actuating said secondary calling signal in a manner characteristic of the particular first signal actuated.

1,504,216. LIPSTICK CONTAINER. CHARLES N. CORTELL, Mamaroneck, N. Y. Filed Dec. 27, 1923. Serial No. 682,913. 12 Claims. (Cl. 206—56.)

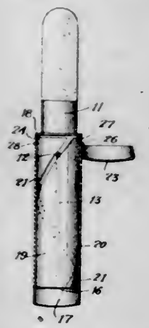
1. In a holder of the character disclosed, a case, a sleeve rotatably mounted within said case provided with a helical shoulder, a carrier within said sleeve having a drive lug engaging said helical shoulder, a guide carried

by the case for directing the carrier in a substantially straight non-rotative movement within the case upon rotation of the sleeve within the case, means for rotating



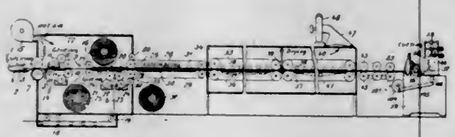
the helically shouldered sleeve within the case, said guide being a tube fixed at one end to the case and swivelly connected at its opposite end to the rotatable sleeve.

1,504,217. LIPSTICK CONTAINER. CHARLES N. CORYELL, Mamaroneck, N. Y. Filed Feb. 23, 1924. Serial No. 694,558. 18 Claims. (Cl. 206—56.)



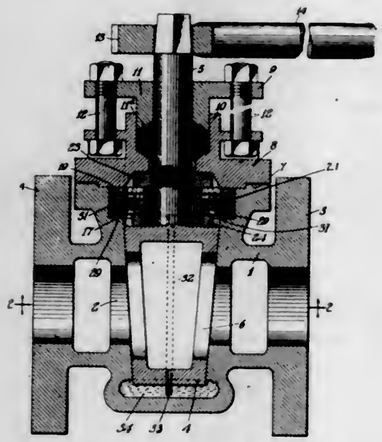
1. In a holder of the character disclosed, relatively rotatable tubular members having angularly related shoulders to produce longitudinal travel of an element engaged with said shoulders upon relative rotation of the members, a longitudinally shiftable part guided b yone of said tubular members and a pin having a coiled head portion frictionally engaged with a wall of said longitudinally shiftable part and a portion projecting from said coiled head into engagement with the relatively inclined shoulders on the two relatively rotatable tubular members.

1,504,218. PROCESS AND MACHINE FOR MAKING CROSS-CORRUGATED PAPERBOARD. CHARLES H. CROWELL, Brooklyn, N. Y. Filed June 5, 1923. Serial No. 643,590. 19 Claims. (Cl. 154—30.)



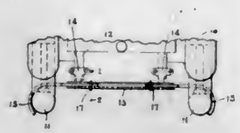
12. In machines for making cross corrugated paper board, circumferentially corrugated splicing rolls to splice and continuously feed forward strips of longitudinally corrugated paper liner, gluing rolls to apply adhesive to both sides of said liner, means to continuously feed and apply adhesive to a transversely corrugated web of paper liner, feeding rolls to feed between and on the outside of said liners paper facing webs to form a continuous web of cross corrugated paper board, feeding belts and guides to hold said paper board in assembled position and continuously feed the same forward, and drying means including a substantially air-tight chamber provided with air circulating devices around the assembling webs to force blasts of hot drying medium through the transverse and longitudinal channels around said liners to dry the adhesive in the moving paper board, and means to cut the assembled and substantially dried paper board into sheets.

1,504,219. PLUG COCK. ALBERT A. CRYER, New York, N. Y., assignor to D. G. C. Trap & Valve Co., Inc., New York, N. Y., a Corporation of New York. Filed July 21, 1922. Serial No. 576,417. 13 Claims. (Cl. 251—97.)



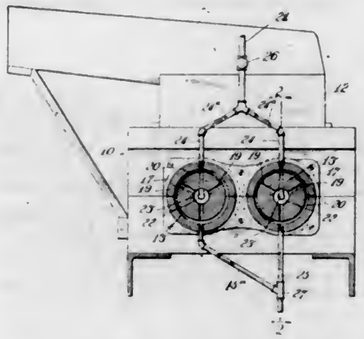
1. A valve for fluid control comprising a valve chamber having a conical seat therein, a valve key conforming to said seat and carried by an operating stem, a double cam also carried by said stem above the key and cooperating with a pair of opposed cam bearing surfaces and a plurality of bearings having rolling surfaces situated between each of the lower and upper surfaces of the cam and its corresponding cooperating cam surface.

1,504,220. MEANS FOR LOCKING AUTOMOBILES. HERMAN DEGEN, Milwaukee, Wis. Filed June 18, 1921. Serial No. 478,593. 4 Claims. (Cl. 188—31.)



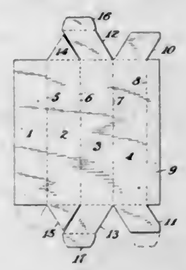
1. A locking device comprising in combination a fixed member adapted to be secured to the frame of a vehicle between a pair of wheels, hook-shaped locking members connected with said fixed member and adapted to project between the spokes of the wheels with said hooks extending partly around the tires of said wheels, and means for locking said locking members to said fixed member.

1,504,221. BUTTER WORKING AND PRINT MACHINE. CHARLES DOERING and HENRY H. DOERING, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,015. 11 Claims. (Cl. 31—65.)



1. In a machine of the character described, provided with a chamber, a worm rotatably mounted in said chamber, means disposed at the delivery end of the worm whereby the material operated on is divided into a plurality of small vermicular portions, and means rotatably mounted in the path of said vermicular portions whereby a thorough commingling of the portions is effected.

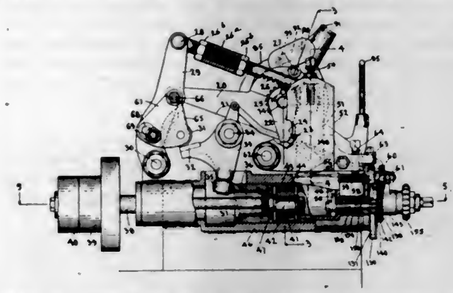
1,504,222. COLLAPSIBLE-BOX BLANK. FRANK L. DYER, Montclair, N. J. Filed Jan. 20, 1922. Serial No. 530,608. 2 Claims. (Cl. 229—38.)



1. A blank for collapsible boxes, diamond-shape in cross-section, comprising four panels, one of the outer panels being formed at its ends with diamond-shape flaps facing outward, the adjacent panel being formed at its ends with diamond-shape flaps facing inward, an overlap on one of the outer panels, and a tongue at the top and bottom of the blank formed on one of said diamond-shape flaps, substantially as set forth.

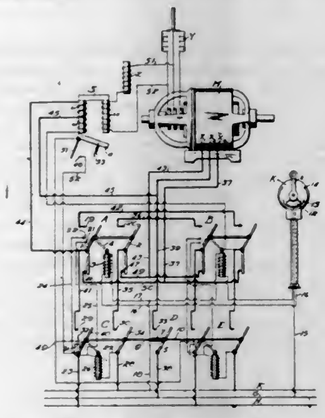
1,504,223. GEAR-GENERATING MACHINE. EDWIN R. FELLOWS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed July 29, 1922. Serial No. 578,288. 49 Claims. (Cl. 51—52.)

1. A machine for generating and forming the teeth of gear wheels and analogous articles comprising a cutting tool having an active portion mounted to rotate in a plane perpendicular to its axis of rotation, a work-holding carriage guided to travel in a plane which is inclined to said active portion, a work spindle rotatably mounted in said carriage and adapted to support a work piece in operative relation to the cutting tool, a former connected rigidly with said work spindle, an abutment cooperating with the former and means for giving a reciprocating movement to said carriage and simultaneous oscillating movement to said spindle while maintaining the former in contact with the abutment, said former and abutment having contacting faces shaped to compel the rotary movement of the spindle to take place at such a



rate, in combination with the translative movement of the spindle, that a predetermined curve is generated in the work by its resultant motion relatively to the cutting tool.

1,504,224. DYNAMIC BRAKE FOR ALTERNATING-CURRENT MOTORS. ROBERT H. FISHER, Chicago, Ill. Filed Apr. 29, 1920. Serial No. 377,600. 1 Claim. (Cl. 172—152.)



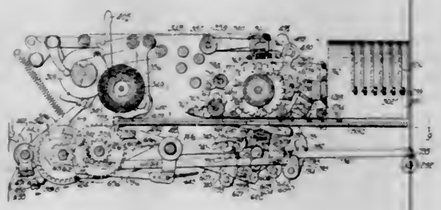
The combination of an induction motor, a source of current for the motor, switching mechanism for connecting the source of current to the motor to rotate the same, said switching mechanism comprising a plurality of electro-magnetic responsive switches acting conjointly to complete the motor circuit, one of said switches being deenergized at will, another constituting an auxiliary switch cooperating with said deenergized switch to effect a reversing of the phases of the motor, whereby a dynamic braking effect is applied to the motor, and automatic means actuated through the slowing down of the motor for deenergizing said auxiliary switch to cut off the motor circuit, whereby the motor is stopped, said automatic means comprising a locking circuit for the auxiliary switch, and a selecting switch connected with the rotor circuit of the motor for breaking the locking circuit when the motor slows down.

1,504,225. PROCESS FOR THE PREPARATION OF COMMERCIAL PRODUCTS FROM BLOOD. FREDERIC WILLIAM VESEY FITZGERALD, Caversham, England. Filed May 19, 1921. Serial No. 470,975. 7 Claims. (Cl. 106—38.)

1. A process for obtaining solid or moldable substances from blood of which the fluidity has been preserved according to which the blood to be treated is

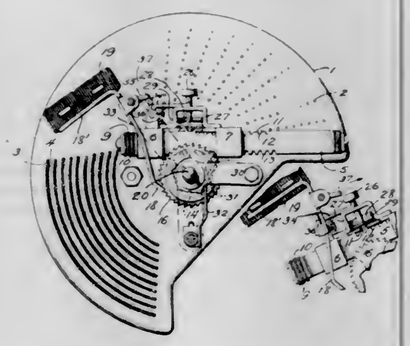
partially dehydrated at a regulated temperature not substantially exceeding 120° F. and thoroughly exposed to air and when the dehydration has been carried to such a point that coagulation to a stiff jelly can be effected in from half an hour to two or three hours by the addition of 2 to 4 per cent of 40% formaldehyde, the desiccation is then continued with as little exposure of the body of the material to air as is conveniently practicable until a solid residue is obtained.

1,504,226. CASH REGISTER. FREDERICK L. FULLER, Bridgeport, Conn., assignor to The National Cash Register Company, Dayton, Ohio. Filed May 7, 1918. Serial No. 233,146. 54 Claims. (Cl. 235—3.)



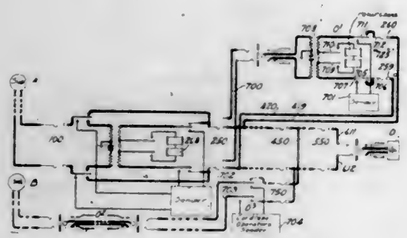
1. In a machine of the class described, the combination of a plurality of type carriers, a main operating mechanism, mechanism operated by the main operating mechanism for moving said type carriers differentially, manipulative means controlling the extent of movement of said mechanism, and means operated by the main operating mechanism for shifting the type carriers simultaneously with their actuation by the differential mechanism to print in different laterally spaced columns on record material.

1,504,227. AUTOMATIC TELEPHONE SWITCH. EDGAR WALTER GENT, Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 17, 1921. Serial No. 470,365. 11 Claims. (Cl. 179—27.5.)



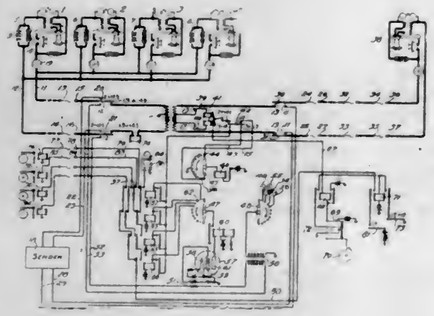
1. An automatic switch comprising stationary contacts arranged in groups, a movable contact member, a single motor mechanism for moving said contact member first in one direction to select a group and then in another direction to select a contact in the selected group and mechanical means for automatically effecting the change in direction of movement of said contact member.

1,504,228. TELEPHONE-EXCHANGE SYSTEM. JOHN W. GOODERHAM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1920. Serial No. 427,445. 8 Claims. (Cl. 179—27.)



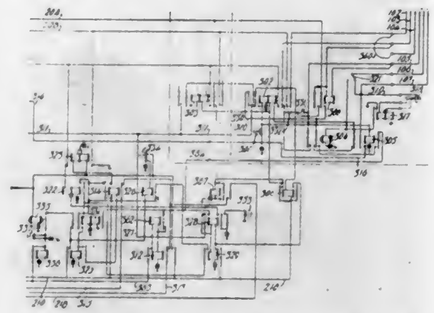
1. In a telephone exchange system, a calling subscriber's line, automatic switching mechanism for extending a connection from said line to a desired subscriber's line, terminals in the terminal banks of said switching mechanism to which no subscriber's lines are connected, an operator's position, trunk lines extending from a portion only of said terminals to such operator's position, means for controlling said switching mechanism and means effective when said switching mechanism is operated by said controlling means to make connection with one of said terminals to which no subscribers' lines are connected to cause said switching mechanism to connect with an idle one of said trunk lines.

1,504,229. TELEPHONE-EXCHANGE SYSTEM. JOHN W. GOODERHAM, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1921. Serial No. 488,075. 16 Claims. (Cl. 174—9.)



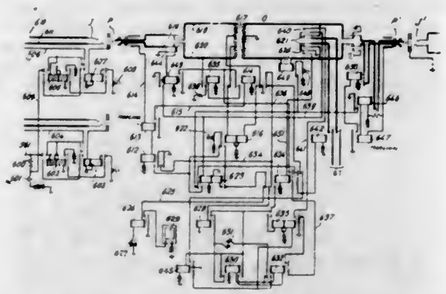
1. In combination with a main circuit and a plurality of normally open branches therefor, of an electrically selective device associated with each of said branches, said several devices differing from each other in their selectivity, means associated with each of said branches for effecting its closure, a plurality of sources of current of different characteristics, means for associating said sources in succession with said main circuit, and means selectively responsive to the flow of said electric currents through said selective device for determining which of said branches is closed.

1,504,230. TELEPHONE-EXCHANGE SYSTEM. JOHN W. GOODERHAM, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1921. Serial No. 508,711. 23 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of lines, an operator's position, means for connecting the operator's position to one of said lines, means for connecting the operator's position to a second line, and means for rendering said last connecting means ineffective when the operator's position is disconnected from the first line subsequent to the initiation of the call on said second line.

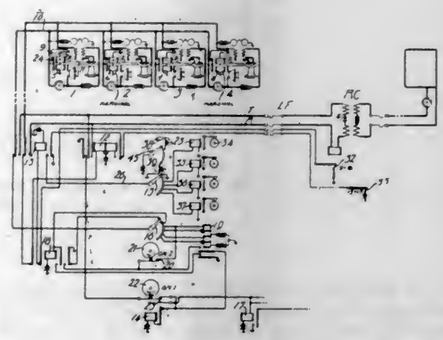
1,504,231. TELEPHONE-EXCHANGE SYSTEM. JOHN W. GOODERHAM, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Nov. 30, 1920, Serial No. 427,445. Divided and this application filed Oct. 30, 1922. Serial No. 597,729. 19 Claims. (Cl. 179—9.)



1. In a telephone exchange system, a calling subscriber's line, a call charging device associated with said line, an operator's position, a trunk line extending to said position, switching means for extending a connection from said subscriber's line to said trunk line, means associated with said switching means for applying ringing current to said trunk line, a cord circuit at said operator's position for connection with said trunk line, and means in said cord circuit effective upon the connection of said cord circuit with said trunk line for a period sufficient for tripping said ringing current, but for a period insufficient for operating said call charging device.

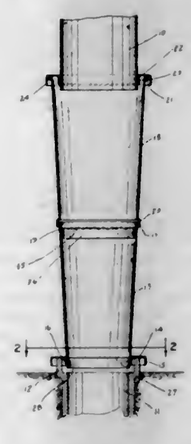
1,504,232. METERING SYSTEM FOR PARTY TELEPHONE LINES. CHARLES L. GOODRUM and EDWARD E. HENRICHSEN, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1921. Serial No. 482,713. 9 Claims. (Cl. 179—9.)

1. In a party line metering circuit arrangement, a meter for each station at the central office, sources of current of different character at the central office, a metering circuit, means for automatically connecting the proper meter to the metering circuit upon the initiation of a call comprising a number of relays one at each station adapted to be selectively operated by currents of different character from said sources, a switch set in motion by the initiation of a call and at each step applying to said line a current



of different character, and at each step also connecting a different meter to the metering circuit, said switch continuing in motion until the proper current is applied to operate the relay at the calling station, means controlled by said relay in operating to stop said switch with the corresponding meter connected to the metering circuit, and means for thereafter closing said metering circuit.

1,504,233. DRAIN PROTECTOR. LOU ELLEN GRAHAM, Indianapolis, Ind. Filed Nov. 7, 1921. Serial No. 513,379. 2 Claims. (Cl. 210—88.)



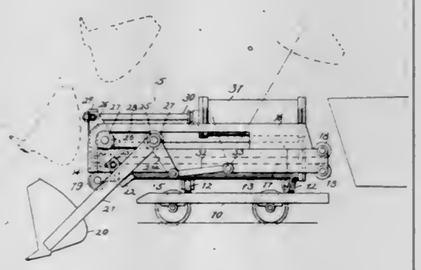
1. A removable drain protector filtering construction including tubular means having an enlarged inlet for the telescopic reception of a down spout, an outlet for telescopic engagement with a soil pipe, screening means within the tubular means, and a collar wedgingly supported on said tubular means and seatable on the soil pipe to close the latter and restrict the telescopic movement of the tubular means into the soil pipe.

1,504,234. BRASSIÈRE HOOK. NATHANIEL WYMAN GREEN, Meadville, Pa., assignor to The Spirella Company, Meadville, Pa., a Corporation of Pennsylvania. Filed July 14, 1923. Serial No. 651,455. 2 Claims. (Cl. 24—73.)



1. A brassière hook comprising a resilient body having an elongated slot formed therein adapted to receive the post of a corset clasp to which it is to be attached, the end of the said body being folded upon itself to form a bill, said bill overlying and completely covering the said slot.

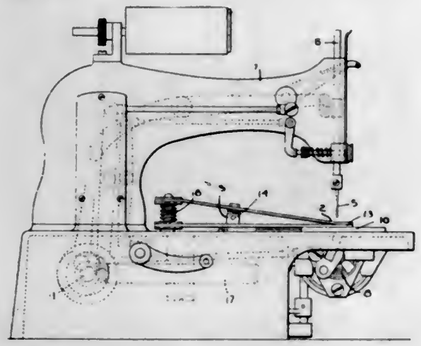
1,504,235. LOADING MACHINE. ROBERT P. GREENLEAF, Cleveland, Ohio, assignor to Frank Billings, Cleveland, Ohio. Filed July 17, 1919. Serial No. 311,591. 12 Claims. (Cl. 214—134.)



1. In a loading machine, a frame, a ram movable forwardly and rearwardly with respect to the frame, a shovel adapted to be swung from in front of the machine upwardly and rearwardly to dump material at the rear thereof, an arm connecting the shovel to the ram and mounted on the latter for rotary movement and for forward and rearward movement relative thereto, the arm and ram having means comprising a rigid element connected to one part and engaging the other part at a certain or given point for imparting a rotary movement to the arm in one direction when it is moved forwardly with respect to the ram and a rotary movement in the reverse direction when it is moved rearwardly with respect to the ram.

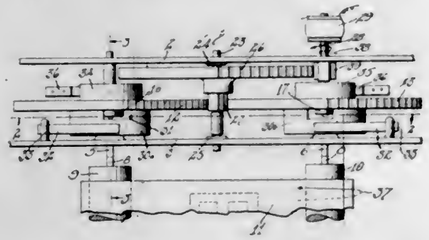
7. In a loading machine, a frame, a shovel adapted to receive a load at the front of the machine and to be swung over the machine to dump the material at the rear thereof, a ram movable forwardly and rearwardly of the frame, a member movable forwardly and rearwardly with respect to the ram, an arm connecting the shovel to said member, and an arm connected to the ram and co-operating with said first-named arm to tilt the latter and the shovel.

1,504,236. THREAD TRIMMER FOR SEWING MACHINES. CHRISTIAN H. T. HAGELSTEIN, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Mar. 15, 1922. Serial No. 543,987. 8 Claims. (Cl. 112—252.)



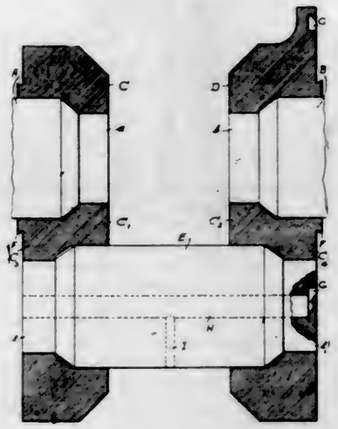
1. In a sewing machine constructed to sew a short seam and then come to rest and having a needle, a shuttle, and means for operating them to cause a loop of needle thread to be carried about the shuttle, the combination with a loop spreader operative during the formation of the last stitch to engage the side of the loop of needle thread leading to the needle and draw it out, of a thread selector operative to engage the other side of said loop and carry it in another direction, and means to cut the latter side of the loop while said loop is retained by the thread selector and loop spreader.

1,504,237. RATCHET DRIVE MECHANISM. JOHN F. HALVERSON, Madison, Wis., assignor of one-half to Charles E. Friday, Madison, Wis. Original application filed Oct. 18, 1921, Serial No. 506,741. Divided and this application filed Aug. 6, 1923. Serial No. 656,035. 2 Claims. (Cl. 74—7.)



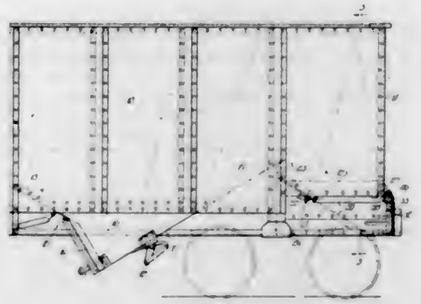
1. A clutch mechanism of the character described comprising a pair of shafts, a gear wheel rotatably mounted on each of said shafts, said gear wheels arranged to be driven both in the same direction, means for causing one of said gear wheels to grip and turn its associate shaft and to cause the other of said gear wheels to turn freely on its associate shaft when said gear wheels are driven in one direction, said means comprising a ratchet wheel associated with each of said shafts, a pawl associated with and mounted on each of said gear wheels, said pawls being adapted for engagement with the adjacent ratchet wheels on said shaft, and shells loosely mounted on said shafts, spring pressed drag members in contact with said shells, said shells being arranged to engage with said pawls to move one of said pawls in engagement with its adjacent ratchet wheel, and the other pawl out of engagement with its adjacent ratchet wheel, depending upon the direction of rotation of said gear wheels.

1,504,238. CRANK SHAFT. REINHARD HILDEBRAND, Webster Groves, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 30, 1920. Serial No. 434,175. 2 Claims. (Cl. 74—38.)



1. A crank arm provided with a stepped off aperture and a circular concentric oil groove around said aperture, and a passage from said oil groove leading to the bearing surface of the crank pin.

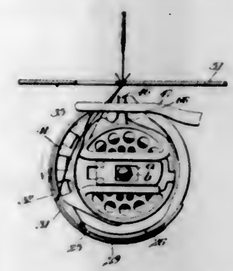
1,504,239. DUMP CAR. DAVID HINDAHL, Chicago, Ill., assignor to Harry S. Hart, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,923. 6 Claims. (Cl. 105—248.)



1. A dump car having sides, ends and a floor, a center sill structure rising into the floor over the trucks and forming shedding portions, and dump doors on each side of said shedding portions hinged at or near the bolster and extending toward the end of the car for dumping the load over the trucks downwardly and longitudinally with respect to the car.

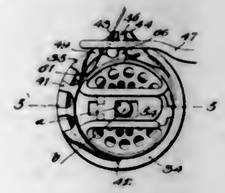
1,504,240. STITCH-FORMING MECHANISM. RICHARD K. HOHMANN, Peru, Ind., assignor to Hohmann Sewing Machine Company, Peru, Ind. Filed Dec. 13, 1916. Serial No. 136,688. Reewed Nov. 22, 1922. 21 Claims. (Cl. 112—228.)

1. In a rotary hook sewing mechanism, a rotating looptaker having an interior raceway formed with a notch having a beak at one side to seize the thread loop formed by the needle, and a loop deflector extending circumferentially across the notch forward and rearward of the



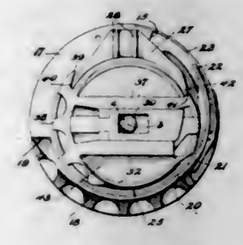
beak, the edge of the looptaker in which said notch is formed also having a curved recess extending rearwardly from near the base of said beak.

1,504,241. BOBBIN HOUSING FOR ROTARY-HOOK SEWING MACHINES. RICHARD K. HOHMANN, Peru, Ind., assignor to Hohmann Sewing Machine Company, Peru, Ind. Original application filed Dec. 13, 1916, Serial No. 136,688. Divided and this application filed Mar. 22, 1918, Serial No. 224,602. Renewed Mar. 17, 1924. 9 Claims. (Cl. 112—231.)



1. A carrier for a rotary hook sewing machine comprising a casing having a circumferential bearing rim formed with a hook near the top facing the top, and having means to receive a bobbin therein with the axis of the bobbin offset below and on the side opposite the hook with respect to the axis of the rim.

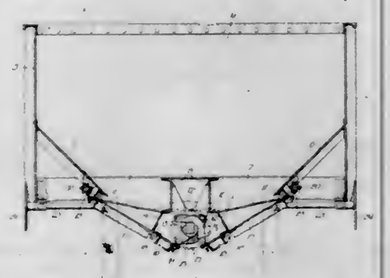
1,504,242. BOBBIN CASING AND CARRIER FOR ROTARY-HOOK SEWING MACHINES. RICHARD K. HOHMANN, Peru, Ind. Filed Feb. 28, 1921. Serial No. 448,577. 9 Claims. (Cl. 112—228.)



1. In a rotary hook sewing machine comprising a non-rotatable carrier adapted to be mounted in a rotary hook and formed with a bobbin receiving chamber, a bobbin casng having a bobbin encircling portion cut away at one side and mounted in said carrier with said

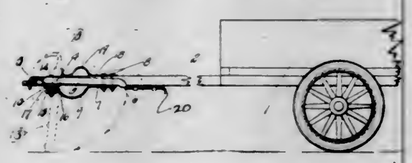
portion extending into said chamber except at the cut-away side thereof, and with the bobbin axis laterally displaced from the hook axis by a distance greater than would be possible if said casing were not cut away.

1,504,243. DUMP-CAR CONSTRUCTION. WILLIAM J. HOSCEIT, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Illinois, a Corporation of Maine. Filed Aug. 15, 1921. Serial No. 492,249. 3 Claims. (Cl. 105—251.)



1. In a dump car, center sills, a floor having openings either side of said center sills, doors covering the floor openings, the doors consisting of frame members pivoted at one side of said openings and inner members pivoted in the frame members adjacent the opposite side of the floor openings, a longitudinal shaft adjacent the center sills, arms on said shaft and links connecting the arms to similar door members on either side of said center sills, shafts adjacent the outer edges of the doors, and means connecting said shafts to the remaining door members, the links coacting with the center shaft and the means coacting with the outer shafts in such manner as to release or to draw up the door members to which they are connected, when the shafts are rotated.

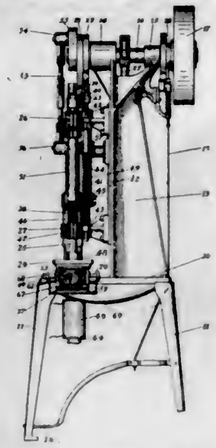
1,504,244. TRAILER HITCH. GEORGE L. HOWELL, Munger, Mich. Filed Nov. 25, 1922. Serial No. 603,262. 5 Claims. (Cl. 280—33.4.)



1. The combination with a draft member, of a trailer hitch comprising a strap member secured to the draft member and provided with an eye therein, a ground engaging prop pivotally connected to the draft member and formed with a bill or hook on the upper end thereof, adapted when folded to engage the eye in the strap member.

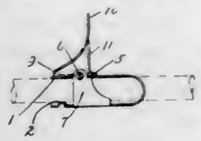
1,504,245. MACHINE FOR MAKING PAPER CUPS. ERNEST R. HUNTLEY, Milwaukee, Wis., assignor, by mesne assignments, to Milwaukee Lace Paper Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 29, 1919. Serial No. 327,111. Renewed Mar. 25, 1922. Serial No. 546,884. 28 Claims. (Cl. 93—60.)

1. In a machine for making cups from flat blanks, means for plaiting the sides of the cup, a punch shaped to fit the interior of the cup to be formed, a sectional die shaped to fit the exterior of the cup, and arranged to receive said punch, the sections of said die being



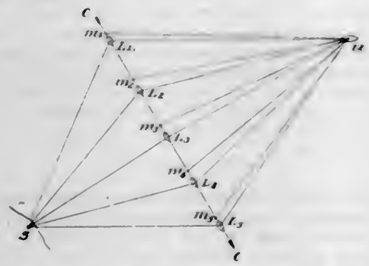
resiliently supported and adapted to move outwardly in order to open the die and permit the cup to be projected therethrough by said punch.

1,504,246. TUBE COMPRESSOR. FRANK S. HYATT, Brooklyn, N. Y. Filed Feb. 4, 1921. Serial No. 442,375. 7 Claims. (Cl. 251—5.)



1. In a tube compressor, the combination of upper and lower clamping members, brackets rising from opposite sides of one of said members and an operating cam engaging the other member and having rigid ears pivoted in fixed position in openings in said brackets, said ears being stamped out of the sheet metal of the cam integral therewith and of a form adapting them without bending to act as hooks on being entered in said openings in the assembling operation.

1,504,247. METHOD AND MEANS FOR DETECTING AND LOCATING SUBMARINES. WILLIAM WHITE JACQUES, Chester, Nova Scotia, Canada. Filed May 14, 1918. Serial No. 234,401. 9 Claims. (Cl. 181—0.5.)



4. The method of finding the location of a submarine within a body of water, which consists in producing at some known point within the water, a musical sound

sympathetic in pitch with some note within the range of resonance of the submarne; and then measuring, at each of two known points within the water, the interval of time between the arrival of the musical sound coming directly from the source and the arrival of the resonated musical sound coming from the submarine.

1,504,248. LUMBER CUT-OFF MACHINE. CHARLES JOHNSON, Minneapolis, Minn. Filed Apr. 5, 1922. Serial No. 549,669. 3 Claims. (Cl. 143—168.)



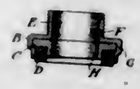
1. The combination with a saw table, a co-operating saw and a board guide on said table, of a board-stopping device comprising a rock shaft mounted in bearings fixed in respect to said board guide, a rail extended parallel to and secured in respect to said board guide, bearing blocks slidably mounted on said rail, stop arms that are free for differential oscillations on said shaft and have hubs connected to said rock shaft by couplings that cause said arms to move with said rock shaft progressively from and to operative positions, and means for securing said bearing blocks to said rail in different set positions as to distance from said saw.

1,504,249. TWO-PART GARMENT. HENRY KLEIN, Cleveland, Ohio. Filed Oct. 30, 1922. Serial No. 597,768. 4 Claims. (Cl. 2—144.)



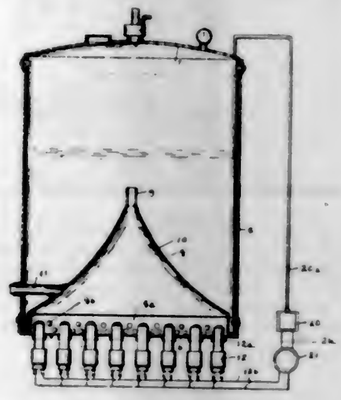
1. A garment comprising two parts one of said parts being provided with a plurality of openings and strap-like members which cover said openings the other part of said garment having a plurality of openings adapted to register with openings in the first mentioned part and strap-like members which cover said openings, the strap-like members on either part being adapted to extend through the openings on the other part, and means adapted to engage said strap-like members when inserted through openings thereby to retain the said strap-like members and to fasten the garment parts together.

1,504,250. QUICK-ACTING RIM NUT OR THE LIKE. HENRY P. KRAFT, Ridgewood, N. J. Filed Feb. 24, 1921. Serial No. 447,490. 6 Claims. (Cl. 85—32.)



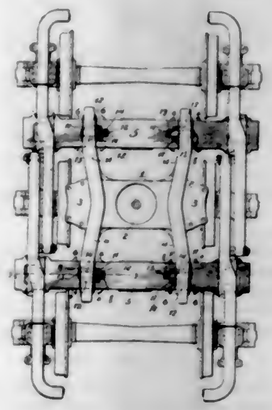
1. A quick-acting nut, or the like, comprising two associated members, each having mutilated threads, the thread portions being adapted to be brought into and out of alignment by a relative rotation of said members and a pin and groove connection wholly within said members for limiting the relative rotary movement therebetween.

1,504,251. STEAM GENERATOR. RICHARD H. LANSING, Chicopee Falls, Mass. Filed Apr. 13, 1923. Serial No. 631,861. 3 Claims. (Cl. 219—38.)



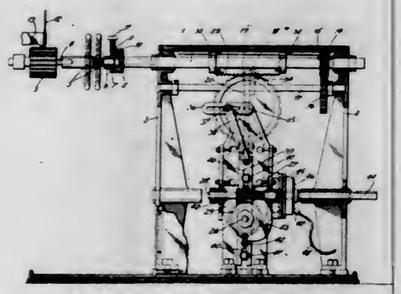
1. A steam generator consisting of a boiler having a bottom and a conical member therein providing a steam generating chamber under the conical member and over the bottom, said member having normally open communication with the boiler, one end of the conical member providing an outlet, a feed water connection leading to said steam generating chamber, and an electrical heater projecting into the steam generating chamber.

1,504,252. CAR TRUCK OF THE SIX-WHEEL TYPE. JACOB C. LARSEN, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Apr. 7, 1923. Serial No. 630,540. 4 Claims. (Cl. 105—188.)



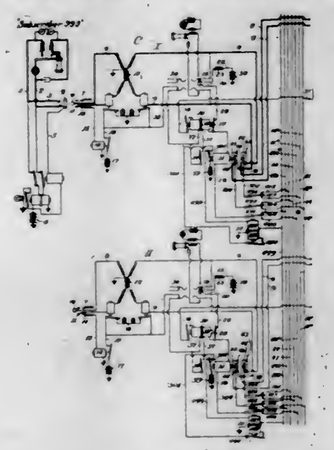
1. In a truck, the combination of a transverse bolster, a longitudinal bolster having its end constructed to fit over the transverse bolster, and means for supporting the transverse bolster within the end of the longitudinal bolster and permitting limited endwise movement thereof.

1,504,253. ARMATURE-WINDING MACHINE. CLAUDE M. MCCORD, Richmond Heights, Mo., assignor to Armature Rewinding Company, St. Louis, Mo., a Corporation of Missouri. Filed July 30, 1923. Serial No. 654,589. 24 Claims. (Cl. 242—13.)



1. A machine of the character described, comprising a support for an armature core, means for holding said support in different adjusted positions for operation, and mechanism for imparting alternating longitudinal and rocking movements to said support and thereby to the armature core in all of the adjusted positions of said support.

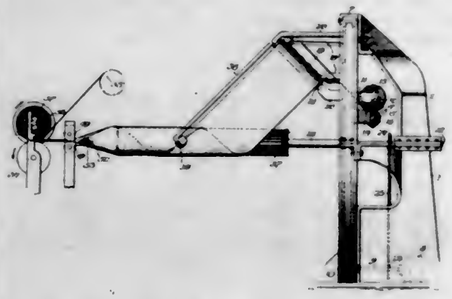
1,504,254. SEMIMECHANICAL TELEPHONE-EXCHANGE SYSTEM. JAMES L. MCQUARRIE, Chicago, Ill., and ALBERT M. BULLARD, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Feb. 5, 1907, Serial No. 355,884. Renewed Apr. 22, 1909. Serial No. 491,601. 37 Claims. (Cl. 179—27.)



1. The combination with a plurality of connecting circuits, of switching mechanism associated therewith, a series of sending mechanisms, and means whereby the first idle sending mechanism of the series may be automatically associated with any one of said circuits.

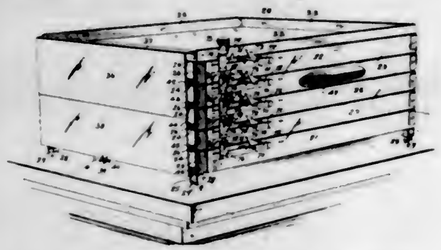
1,504,255. METHOD OF MANUFACTURING BIAS FABRIC AND APPARATUS THEREFOR. FRANK J. MACDONALD, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 24, 1918. Serial No. 268,123. 32 Claims. (Cl. 154—1.)

7. The method of transforming woven fabric into bias fabric for use in tire construction, comprising the steps of forming said woven fabric into a helix, the several turns of said helix being overlapped sufficiently to form



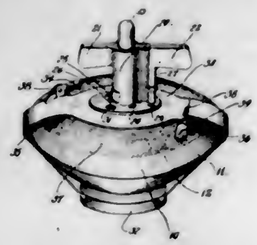
a splice cutting said helix along parallel lines, and withdrawing the bias fabric from said helix.

1,504,256. PAPER FEEDING AND COLLATING DEVICE. ELIAS MARCUSON, New York, N. Y. Filed Mar. 17, 1922. Serial No. 544,577. 16 Claims. (Cl. 270—58.)



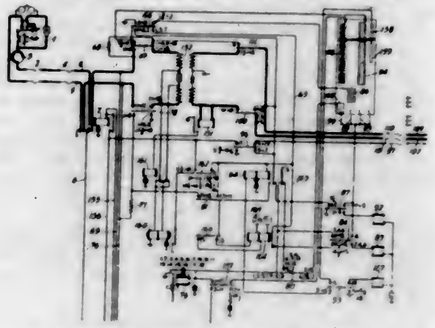
1. In a device of the kind described, a plurality of separable sections each forming a sheet holding compartment, means for coupling said sections one above another, each section having a sheet ejecting means, actuating means for each ejecting means, and means intermediate said several actuating means for transmitting operative motion from one to another to produce a simultaneous operation thereof.

1,504,257. SPARKING TOP. LOUIS MARX, New York, N. Y. Filed Nov. 1, 1922. Serial No. 598,280. 11 Claims. (Cl. 46—32.)



1. A sparking spinning top comprising a rotatable spinning top body, a stationary mounting therefor, a winding means for setting the top into spinning action and means carried by the top body and its mounting for producing an emission of sparks when the top is spun.

1,504,258. TELEPHONE-EXCHANGE SYSTEM. WILLIAM H. MATTHIES, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 5, 1922. Serial No. 527,071. 13 Claims. (Cl. 179—18.)



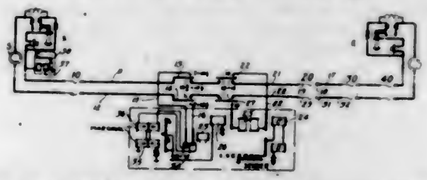
1. In a register system, an automatic switch, an impulse circuit, a plurality of registering devices arranged for control over said impulse circuit, certain of said registering devices being permanently associated with said circuit, means whereby others of said registering devices are temporarily associated with said circuit, means to position said registers, and means to operate said automatic switch under the control of said registering devices.

1,504,259. WIND-POWER GENERATOR. WILLIAM O. MILLER, Detroit, Mich. Filed June 22, 1923. Serial No. 647,024. 11 Claims. (Cl. 170—37.)



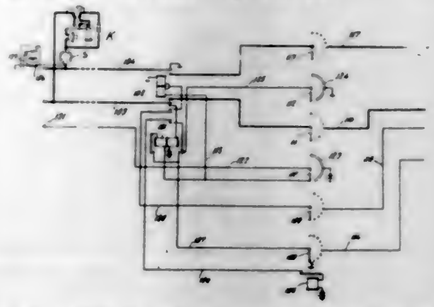
1. A device of the character described including a member to be rotated by air currents and comprising a shaft and a blade extending longitudinally and spirally of the shaft, said spiral being of gradually increasing diameter from one end of the shaft toward the opposite end, and means for pivotally supporting said shaft intermediate its ends, whereby wind pressure will turn said member upon its pivotal support with its end of smallest diameter facing the wind.

1,504,260. TELEPHONE-EXCHANGE SYSTEM. ELLIS H. MILLS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1920. Serial No. 412,717. 17 Claims. (Cl. 179—63.)



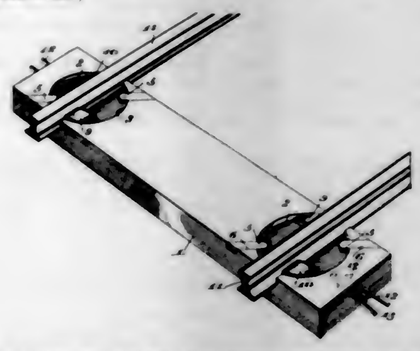
1. In a telephone exchange system, a central office, a calling line, a called line, means at said central office for extending a connection between said lines, a charging device on said calling line, means at said central office for arresting the completion of said connection until after the operation of said charging device, and means comprising a plurality of marginal differential relays for rendering said arresting means ineffective.

1,504,261. TELEPHONE-EXCHANGE SYSTEM. ELLIS H. MILLS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1920. Serial No. 433,987. 19 Claims. (Cl. 179—6.3.)



1. In a telephone exchange system, a calling line, a service charging device on said calling line, automatic switches for extending effective talking connections from said calling line, central office means for controlling the extension of connections, means associated with said central office means for arresting the completion of certain of said connections from said calling line until after the operation of said charging device and means operative for rendering said arresting means ineffective during the extension of other of said connections from said calling line.

1,504,262. COMBINED TIE AND RAIL FASTENER. HARVEY ZWINGLE MORGAN, Pine Bluff, Ark. Filed Jan. 25, 1924. Serial No. 688,534. 5 Claims. (Cl. 238—263.)

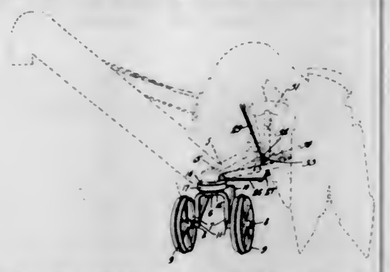


1. A combined tie and rail fastener comprising a body having recesses opening through the upper wall thereof adjacent to opposite ends of the tie body, each recess being circular in horizontal section, a rotatable disc interfitting each recess and terminating below the plane of the upper end of the recess, rail-engaging projections upstanding from the disc for engaging opposite sides of a rail when the disc has been rotated to a certain position in respect to a rail extending thereacross, and means for releasably holding the disc in such position in the recess in which it is disposed that said projections remain in engagement with said rail.

1,504,263. STEERING DEVICE. EDWARD D. MUELDER, Orange City, Iowa. Filed Apr. 29, 1922. Serial No. 557,275. 2 Claims. (Cl. 280—97.)

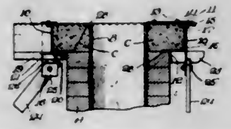
1. In combination with the stub tongue of an agricultural machine, a guiding truck, means for pivotally connecting the guiding truck to the stub tongue, a segmental gear carried by the guiding truck, a disk having a de-

pending flange, housing the segmental gear, said disk having a curved opening, said curved opening adapted to accommodate the connecting means between the guiding



truck, and stub tongue to permit of lateral movement of the guiding truck with respect to the tongue, and means for rotating the disk to move the guiding truck.

1,504,264. FORM FOR CONCRETE CONSTRUCTION. CARL NELSON and JOHN L. MONTEN, Chicago, Ill. Filed June 29, 1924. Serial No. 481,194. 12 Claims. (Cl. 25—131.)



7. A form for concrete construction comprising a form unit; means for securing said unit in position, said means comprising a bar; a block adjustably mounted on said bar; and means on said block for engaging the upper and lower ends of said unit in clamping relation, said means accommodating itself to irregularities in the contour of the unit.

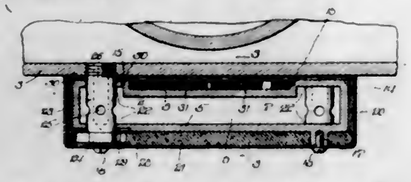
11. A form for concrete construction or the like comprising angularly disposed form units, and a pair of members on one unit adapted to swing about the other unit and interlock with each other at their free ends.

1,504,265. APPARATUS FOR TREATING LIQUIDS WITH GASES. CHARLES S. PALMER, Pittsburgh, Pa. Filed Mar. 12, 1920. Serial No. 365,271. 3 Claims. (Cl. 261—79.)



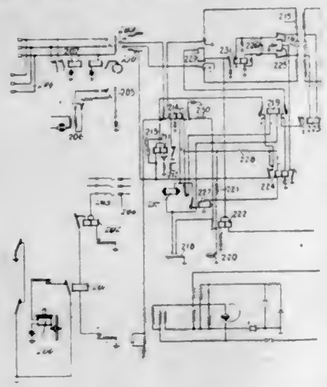
1. In an apparatus for treating liquids with gases, the combination, with a closed absorber vessel for holding a column of liquid, means for introducing the liquid, and controlled means for removing the liquid, of a conduit for gas, leading down into said vessel and opening thereinto adjacent the bottom of the vessel, and a helical leader of many turns encircling said conduit and submerged in and extending substantially throughout the column of liquid, said leader having a continuous, downwardly open, channel at its under side for entraining within the column of liquid a stream of gas in its upward flow, and for causing the gas to issue in bubbles directly into the column of liquid, the bubbles being carried around the leader in a centrifugal helical whirl, thus breaking the bubbles into smaller bubbles, whereby they are more readily adapted to be absorbed by the liquid, said channel freely communicating throughout its entire length with the space within the wall of the closed absorber vessel.

1,504,266. ELECTRIC HEATER FOR WATER-CIRCULATING SYSTEMS. RICHARD K. PECK, Elgin, Ill. Filed Jan. 3, 1922. Serial No. 526,779. 6 Claims. (Cl. 123—174.)



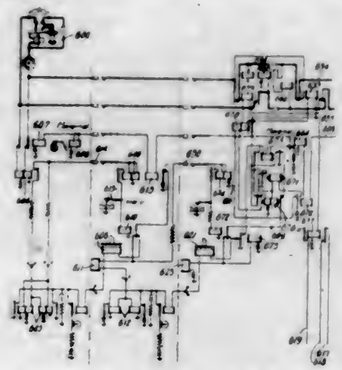
1. In a device of the character described, the combination with a motor having a water jacket, of an auxiliary heating unit comprising a wall enclosing and forming a water chamber and having an inwardly extending recess, an insulated electric heating element in said recess, means for attaching said heating unit to said water jacket in heating relation to said water jacket and to said water chamber and means for connecting the water chamber inwardly with said water jacket.

1,504,267. MACHINE-SWITCHING TELEPHONE SYSTEM. LIPA POLINKOWSKY, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1918. Serial No. 258,683. 5 Claims. (Cl. 179—27.)



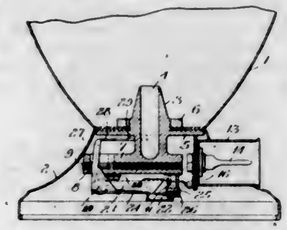
1. A telephone exchange system comprising a toll board, manual switching sections and machine switching sections, calling and called lines terminating therein, trunk lines, a ringing key in said toll board, and means in said manual switching sections for causing the application of ringing current over said trunk lines to a local line in said machine switching sections by the operation of said ringing key after a substantial interval only.

1,504,268. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 21, 1919. Serial No. 298,707. 15 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a subscriber's line, a switching station, a trunk line outgoing therefrom, a distant switching station in which said trunk terminates, switches at said first station for connecting the subscriber's line to said trunk, switches at said distant station for extending said trunk line, an impulse circuit including the talking conductors of said trunk which is free from impedances at the first station for transmitting impulses from the subscriber's line to the distant station to control the switches therein, a source of talking current associated with the talking conductors of said trunk circuit at the first station, and means for rendering said source of current effective for conversation.

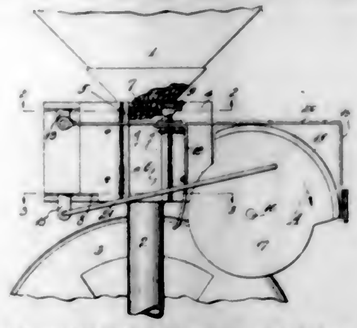
1,504,269. THERMOSTATIC SWITCH. WILLIAM A. RANKIN, Rochester, N. Y., assignor to Robeson-Rochester Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 4, 1923. Serial No. 666,487. 5 Claims. (Cl. 219—43.)



1. The combination with an electrical heating unit having circuit contacts, of a switch element normally closing the circuit through said contacts, a thermostatically controlled detent for maintaining the normal position of the switch and a weight tending to open the switch.

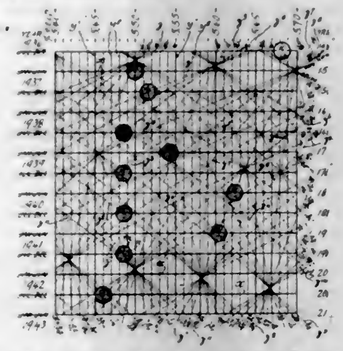
1,504,270. FEEDING DEVICE FOR POP-CORN MACHINES. WILLIAM D. ROOT, Lakewood, Ohio, assignor, by mesne assignments, to The Guardian Savings and Trust Company, trustee, Cleveland, Ohio. Filed Oct. 25, 1920. Serial No. 419,556. 2 Claims. (Cl. 221—112.)

1. Apparatus for feeding measured charges of popcorn or similar small grains or kernels, comprising a reservoir having an opening through which the material is fed, a gate slidable across said opening to control the flow of material therethrough, an actuating member connected to said gate, said member having spaced arms, a cam mounted between said arms and engageable therewith to shift said gate, said actuating member and cam



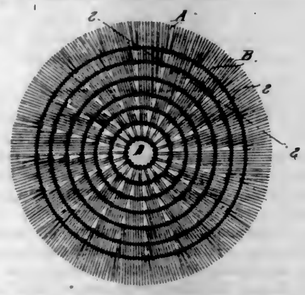
being so arranged that said gate is moved from a full open position to a position in which the opening is practically but not entirely cut off.

1,504,271. CHART. JOHN CHADBOURN ROBISON, New York, N. Y. Filed Feb. 13, 1922. Serial No. 535,995. 14 Claims. (Cl. 283—1.)



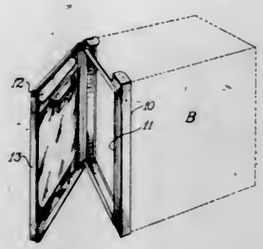
1. A chart having delineated thereon maturity lines indicating time intervals, yield lines at an angle thereto indicating percentages of return on securities, and a plurality of price curves designating market prices of various securities at various coupon rates, said price curves being plotted so that they intersect said maturity lines at points which indicate the yields of given securities at given coupon rates.

1,504,272. BUFFING WHEEL. CHARLES P. SCHLEGEL, Rochester, N. Y. Filed Jan. 12, 1921. Serial No. 436,773. 12 Claims. (Cl. 51—193.)



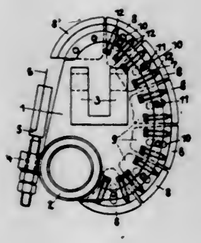
2. A circular one-piece woven fabric buffing wheel in which all of the weft threads are arranged radially in the same plane and the warp threads circularly.

1,504,273. BOX DISPLAY COVER. CHARLES F. SCHNEBELIN, Peoria, Ill. Filed Aug. 14, 1922. Serial No. 581,612. 4 Claims. (Cl. 217—58.)



1. A box display cover comprising, a frame adapted to close the open end of a box, a hinged cover therefor, means for detachably mounting a transparent pane therein, including an upper tensioned holder member, spaced rearwardly bent flap members at the lower side of said cover, and a clamping member surrounding the lower edge of the pane and including thereon relatively spaced engagement members adapted to underlie said flap members.

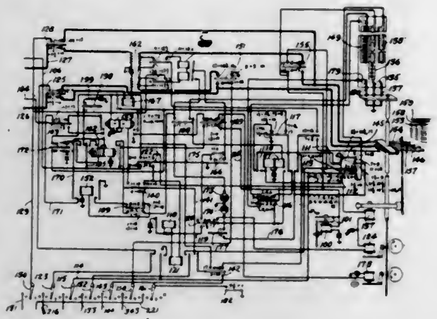
1,504,274. ADJUSTABLE CAM DISK FOR USE IN CONNECTION WITH THE RECIPROCATING WORKING FRAMES OF EMBROIDERY MACHINES. FRITZ SCHNEIDER, Plauen, Germany. Filed Sept. 24, 1923. Serial No. 664,596. 6 Claims. (Cl. 74—1.)



1. A cam disk for use in connection with the reciprocating working frame of an embroidery machine, comprising, in combination, a cam-shaped body, and a plurality of adjustable segments arranged along the peripheral surface of said body at some distance therefrom, and supporting means located in the gap between this surface and the opposite faces of the said segments.

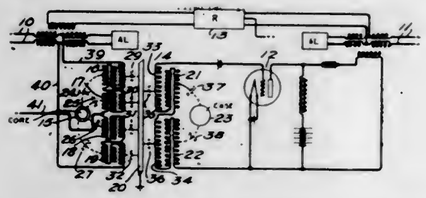
1,504,275. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. FREDERICK J. SCUDDER, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 23, 1921. Serial No. 479,730. 8 Claims. (Cl. 179—18.)

1. In a telephone exchange system, an incoming line, an outgoing line, an automatic switch for interconnecting said lines, a sending device, means to operate said sending device, means to selectively control said switch during a portion of the operation of said sending device, a differential relay controlled in accordance with the electrical condition of said incoming line, release circuits effective upon the operation of said relay at certain times to cause the immediate restoration of said switch and said sending device, and means effective upon the



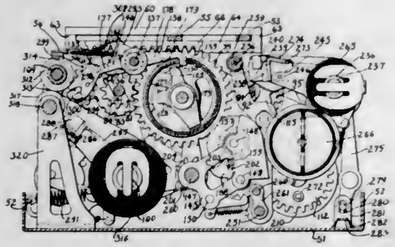
operation of said relay at other times to cause the release of said switch and said sending device only after the complete operation of said sending device.

1,504,276. TRANSMISSION CIRCUITS. WILLIAM J. SHACKELTON, Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1921. Serial No. 522,985. 9 Claims. (Cl. 178—44.)



1. A transmisssion circuit comprising a transformer having a multi-layer primary winding, a multi-layer secondary winding, and a shield between said windings, each of said windings being in a plurality of sections, the inner layer of each section of one winding being symmetrically connected to the two sides of said circuit.

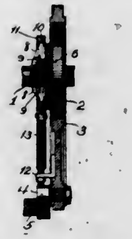
1,504,277. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Dec. 19, 1919. Serial No. 346,134. 16 Claims. (Cl. 235—3.)



1. In a machine of the class described, the combination of manipulative devices, a main operating mechanism, a totalizer, actuators therefor operated by the manipulative devices, a consecutive counter, actuators therefor, printing mechanism, means interposed between said printing

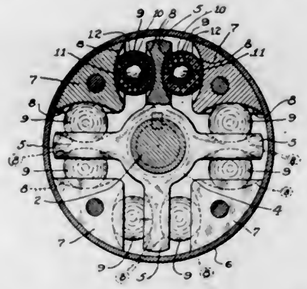
mechanism and said consecutive counter and operated by the main operating mechanism for transferring the consecutive number from the consecutive counter to the printing mechanism, and a member for restoring a portion of said means to normal position thereby transferring said number back upon the consecutive counter and for simultaneously restoring the totalizer actuators to normal position, the remaining portion of said means being restored to normal position by the main operating mechanism.

1,504,278. GOVERNING MEANS FOR ENGINES. WILLIAM ALEXANDER SMITH, Jackson, Tenn., assignor of one-half to R. L. Beare, Jackson, Tenn. Filed July 3, 1923. Serial No. 649,326. 4 Claims. (Cl. 74—1.)



1. In governing means for engines, the combination with a governor shaft, an eccentric thereon and an eccentric strap cooperable with a valve shaft of an engine, of a compensating spring cooperable with said strap to sustain and tend to neutralize the weight of said strap, whereby the weight of the governor eccentric strap is prevented from constituting a deterring factor when it operates to open the engine valves.

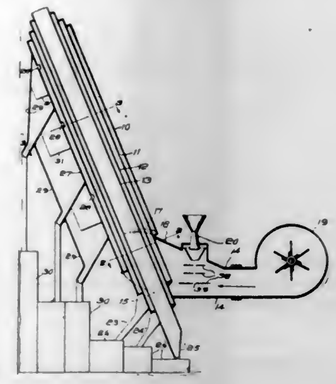
1,504,279. FLEXIBLE COUPLING AND ROLLERS THEREFOR. CLARENCE W. SPICER, Plainfield, N. J., assignor to Spicer Mfg. Corporation, South Plainfield, N. J., a Corporation of New Jersey. Filed June 16, 1922. Serial No. 568,738. 9 Claims. (Cl. 64—96.)



1. The combination in a flexible coupling of driving and driven parts, and spherical rolling members intermediate said parts and acting under compression, said members having a resilient outer layer and a core which is hard relatively to said outer layer.

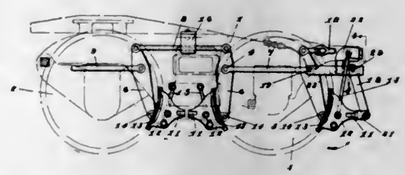
1,504,280. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 12, 1922. Serial No. 551,933. 8 Claims. (Cl. 83—54.)

1. A concentrator comprising, in combination, an upwardly extending container, a plurality of tubes arranged concentrically within the container and having openings in their walls for the passage of air inwardly from one tube to the other, the tubes having their length increased in the order in which they are arranged one within the other to increase the area of the tubes, means for introducing air bearing the materials to be treated into the container with a spirally whirling upward movement to throw the heavier particles outwardly by centrifugal



force, means for discharging air from the innermost tube, and means for discharging from the container and tubes the materials deposited therein by the air passing through the concentrator.

1,504,281. BRAKE MECHANISM. JOHN F. STREIB, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 8, 1923. Serial No. 656,403. 21 Claims. (Cl. 188—212.)

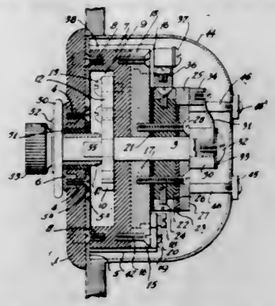


5. In a brake mechanism, a brake beam, a brake rod, and means connected with said beam and rod adapted to maintain said beam level in its released position, said means permitting independent movement between said beam and rod when the braking power is being applied.

1,504,282. SYSTEM OF PREVENTING THE THEFT OF MOTOR VEHICLES. ELVEZIO TARAGNOLI, West New York, N. J., assignor of one-third to Richard Jauch and one-third to Charles Bertoni, both of West New York, N. J. Original application filed Nov. 29, 1921, Serial No. 518,554. Divided and this application filed Mar. 26, 1923. Serial No. 627,790. 7 Claims. (Cl. 200—43.)

1. A permutation switch embodying a front plate provided with a polygonal aperture, a shaft or spindle coaxial with said aperture and projecting rearwardly of the front plate, a contact mounted on and rotatable with the spindle, a relatively fixed contact spaced from the axis of the spindle and with which the movable contact is adapted to be brought into engagement through rotation of the spindle, a knob shaped to detachably interfit with the forward end of the spindle and to be locked against rotation therewith, a dial rotatably mounted on the knob and having a polygonal shank adapted to interfit with the polygonal aperture of the front plate to lock

the dial against rotation, and an indicating pointer rigid with the knob and adapted to travel over the dial when the knob is rotated, whereby an operator by following



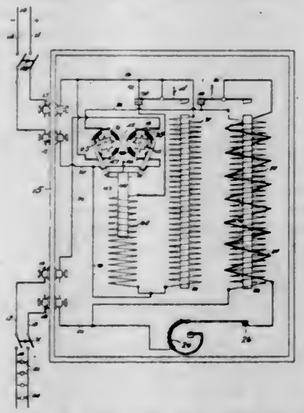
the movements of the indicating pointer can position the movable contact in engagement with the fixed contact provided that the combination of the lock is known.

1,504,283. SEQUENCE SWITCH. HERBERT B. TAYLOR, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 17, 1921. Serial No. 470,304. 8 Claims. (Cl. 179—27.5.)



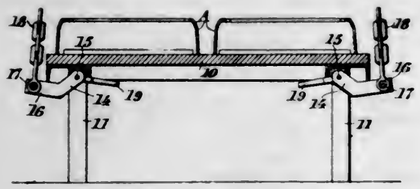
7. In a switch, a rotatable shaft, a circuit controlling disc secured to said shaft comprising conducting and non-conducting members, said disc being fomed of a plurality of parts whereby it may be removed laterally from said shaft, each of said parts being provided with mutually cooperating interlocking means for holding said disc together.

1,504,284. CIRCUIT-CONTROL DEVICE. VICTOR PEREZ TAYLOR, Mexico, Mexico, assignor of one-half to Charles Jellinek, New York, N. Y. Filed Nov. 3, 1919. Serial No. 335,282. 10 Claims. (Cl. 175—294.)



3. In a device of the class described, the combination of a main electric circuit including a lamp lead, a normally closed thermostatically actuated circuit closer, an electro-thermostat operatively connected to said circuit closer to open the same and thus break the current when an additional lamp is introduced into the lamp lead, an electro-magnet having a high resistance and having a low resistance winding with the low resistance winding in said main circuit, a normally closed circuit closer adapted to be opened by the passage of current through said high resistance windings, an electro-magnetically actuated step-by-step commutator and a main lead, a shunt circuit from the portion of the main circuit between the commutator and the last named normally closed circuit closer and leading through said high resistance windings and by passes therefrom around said thermostat circuit closer and said electro-thermostat to the lamp lead whereby abnormal current in the lamp lead will cause said electro-thermostat to break the circuit through the low resistance windings and cause the current to pass through the high resistance windings, a solenoid circuit bridged across the main line leading from one of the main leads back to the other main lead and including a circuit breaker controlling solenoid, an electro-motor circuit shunted from said solenoid circuit about said solenoid and including an electro-motor operatively connected to said step-by-step commutator to actuate the same and a normally closed circuit breaker moved to be held in its circuit-breaking position by the energizing of said solenoid.

1,504,285. LOAD-TIGHTENING MEANS. WILLIAM H. TAYLOR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Oct. 29, 1923. Serial No. 671,621. 1 Claim. (Cl. 280—179.)



Load tightening means comprising in combination, levers pivoted to a load receiving member, a binder element passed over the load on said receiving member and attached to said levers, and means for raising said platform and engaging said levers to tighten said binder element.

1,504,286. METAL-PUNCHING MACHINE. GEORGE P. THOMAS, Glenshaw, Pa. Filed May 11, 1923. Serial No. 638,270. 8 Claims. (Cl. 164—117.)



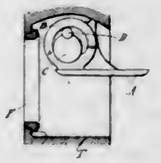
1. In a metal punching machine, the combination with a punch, a spacing table, a work carriage movable upon the table, and interdependent electrically-operated-elements borne respectively by said punch and carriage; of a drum rotatably mounted on said carriage, insulated electric conductors on said drum and connecting said electrically-operated elements borne by the punch with those borne by the carriage, and means for rotating the drum to reel the conductors upon and to pay them out from it as the carriage moves toward and from the punch.

1,504,287. POULTRY AND STOCK HOOK. WILLIAM S. THURSTON, Caldwell, Idaho. Filed June 14, 1922. Serial No. 568,218. 3 Claims. (Cl. 119—152.)



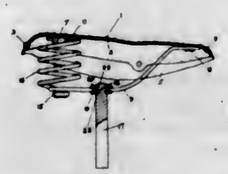
1. A stock catching tool having in combination with the staff or handle a hook provided with a shank having a cushioned sliding mounting upon the staff or handle, and yielding means for closing the throat of the hook.

1,504,288. FLAP VALVE. ZDENEK VENCL, Prague-Smichov, Czechoslovakia. Filed Mar. 31, 1924. Serial No. 703,219. 4 Claims. (Cl. 251—10.)



1. A flap valve comprising a housing a valve plate a seating for said valve plate in said housing, a projection adjacent the rim of said valve plate formed with a non-circular bore, an operating spindle rotatably mounted in said housing at right angles to the axis of the valve seating, eccentric means on said spindle co-operating with the said bore on rotation of the spindle to raise the valve plate by lever action on the point of the said seating furthest removed from said spindle.

1,504,289. CYCLE SADDLE. CHARLES WALDRON, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Mar. 28, 1922. Serial No. 547,579. 15 Claims. (Cl. 208—15.)



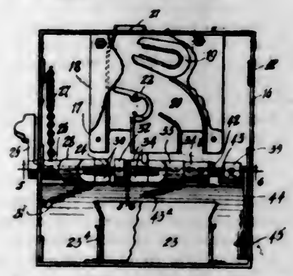
1. A saddle for cycles comprising a sheet metal seat frame having a cover secured thereon, and a supporting frame comprising longitudinally extending reach members joined at one end and secured to the pommel portion of said seat frame and having their opposite ends coiled, coiled springs secured to and depending from the cantle portion of said seat frame, the lower depending ends of said coiled springs being intertwined with the coiled ends of said reach members, and clamping means for connecting said reach members to a cycle.

1,504,290. SEAT. CHARLES WALDRON, Elyria, Ohio, assignor to the Troxel Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Jan. 15, 1923. Serial No. 612,661. 5 Claims. (Cl. 208—15.)



1. In a seat, the combination of a metal frame having retaining bosses formed near the rear end thereof and a looped member secured near the front end thereof; a pair of coiled springs extending from said frame, said springs having the inner ends thereof extending under the retaining bosses formed with said frame; and a bent truss rod extending through the looped member secured to said frame and having rearwardly extending arms provided with crimped ends bent to extend under said springs, each of said springs having the extended end bent around the crimped portion of the truss arm adjacent thereto.

1,504,291. PENCIL-VENDING MACHINE. JAMES B. WALKER, Dallas, Tex. Filed Dec. 9, 1921. Serial No. 521,092. 3 Claims. (Cl. 194—75.)

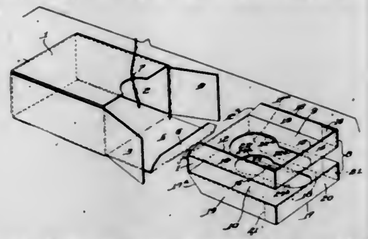


3. In a check controlled vending apparatus, an operating shaft, a cam mounted on said shaft, spaced sleeves slidably mounted on said shaft, each of said sleeves having check engaging means, means whereby a check is held between said check engaging means, said sleeves being operatively engaged with said cam and with each other when a check is held between said check engaging means, and vending means adapted to be operatively engaged by one of said sleeves.

1,504,292. PACKING AND SHIPPING BOX OR CASE. CLARENCE S. WICKES, Merchantville, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Mar. 5, 1921. Serial No. 449,818. 10 Claims. (Cl. 206—65.)

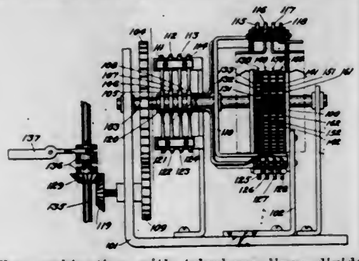
1. In a shipping case the combination with an outer casing, of a tray adapted to fit within said casing and comprising two tray members disposed substantially parallel to each other, adapted to lie flat against the opposite sides of an article placed between them, and pro-

vided with apertures, one of which is adapted to fit snugly around and frictionally hold said article within said member, a rectangular web connecting said tray members along one edge of each and forming a common



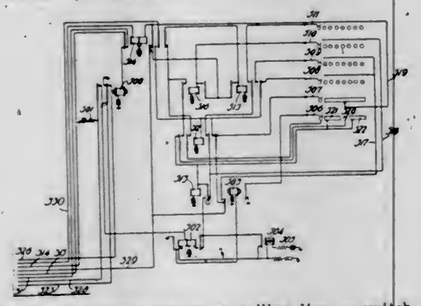
stiffening flange for both members, and outwardly extending flanges on the free edges of each of said trays to further stiffen said members, to respectively engage the walls of the outer casing, and to hold said article spaced from the walls of said outer casing.

1,504,293. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 24, 1919. Serial No. 332,918. 18 Claims. (Cl. 179—18.)



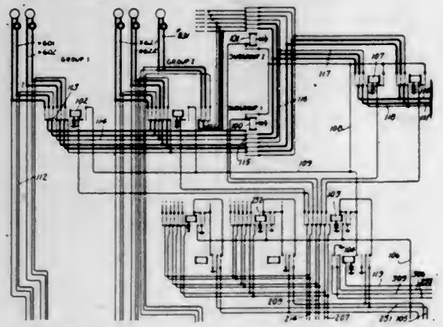
1. The combination with telephone lines divided into groups, of finder switches for connecting with calling lines of said groups, a distributor switch and associated starting mechanism for starting one of said finder switches, and means for bringing said distributor switch at will into operative relation with one or another or a plurality of said line groups.

1,504,294. TELEPHONE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, and EDWARD E. HINRICHSEN, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,482. 30 Claims. (Cl. 179—27.)



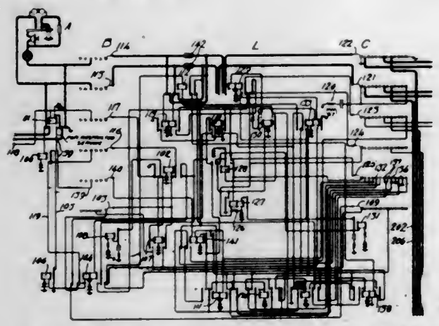
1. In a telephone system, a calling line, a switch for extending said line having directive and automatic movements, a brush for said switch having a normal position, a stepping circuit for said switch controlled through said brush when the same is in its normal position, a relay through contacts of which said stepping circuit is also controlled, means responsive to impulses for rendering said stepping circuit effective to step the switch in a directive movement, means whereby said stepping circuit is controlled through contacts of said relay independently of said brush after the latter is stepped from normal and during the directive movement of said switch, and means for returning said stepping circuit to the joint control of said brush and relay during an automatic movement of said switch.

1,504,295. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1920. Serial No. 430,823. 23 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a plurality of lines arranged in connective sections, the lines of each of said sections being divided into a plurality of groups and each of said groups being further divided into a plurality of subgroups, a link circuit, and means comprising a plurality of relays each individual to one of said groups of lines, a plurality of relays each individual to a particular subgroup of all of said groups and a plurality of relays each individual to a particular line in all of said subgroups for establishing connections between said lines and said link circuit.

1,504,296. TELEPHONE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, and EDWARD E. HINRICHSEN, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,650. 13 Claims. (Cl. 179—27.)

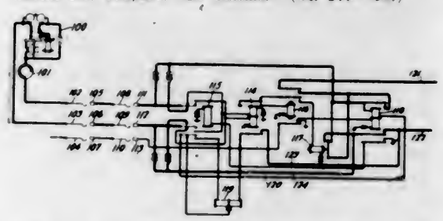


1. In a telephone system, a calling line, a switch having a normal position, a stepping relay for said switch, means responsive to impulses transmitted from said calling line for controlling the operation of said stepping relay, and means made effective by the first operation

of said stepping relay in response to the first of a series of impulses for preventing said switch from moving from its normal position.

8. In a telephone system, a subscriber's line, a trunk circuit, a switch for connecting said trunk circuit to said subscriber's line, means at said switch for normally preventing the connection of said trunk circuit to said line if the line is busy, means in said trunk circuit for operating the last named means to connect the trunk to the line during the busy condition of the latter, and means operable when the line becomes idle to signal the same.

1,504,297. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1921 Serial No. 478,816. 13 Claims. (Cl. 179—18.)

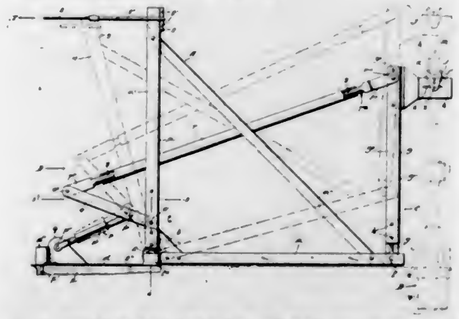


1. In a telephone system, a plurality of groups of trunks, a plurality of senders, one associated with each group of trunk, each of said senders being arranged normally to serve the group of trunks with which it is associated, means for connecting said senders to the trunks of the groups they normally serve, and means for connecting one of said senders to the trunks of some group other than the one it normally serves.

1,504,298. PROCESS OF RUSTPROOFING BY COATING WITH CADMIUM. WILLIAM A. WISSLER and CHAD H. HUMPHRIES, Kokomo, Ind., assignors to The Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed Apr. 9, 1921. Serial No. 459,983. 10 Claims. (Cl. 204—1.)

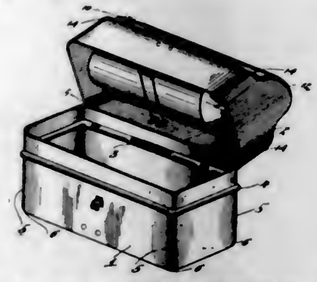
1. The method of rust proofing iron or steel articles by electro-depositing thereon, metallic cadmium from a suitable cadmium solution, which method consists in passing a current, maintained at high current densities, through said solution from a graphite, carbon or non-polarizing anode.

1,504,299. OIL-WELL PUMPING JACK. JOHN M. WOLFE, Oil City, Pa. Filed Sept. 5, 1922. Serial No. 586,276. 3 Claims. (Cl. 74—5.)



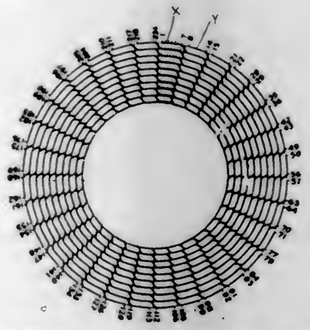
1. A post-free and beam-free oil-well pumping-rig devoid of support by the oil-well casing and including a V; a polish-rod-actuating pitman carried by the V; a lever fulcrumed on the V; a link that connects the lever with the pitman; a sole upon which the V is mounted free to rock; and a second link that connects the lever and the sole; the sole being provided with pivot-bearings for the V and the last-named link, and such pivot-bearings being fixed at a predetermined distance apart.

1,504,300. RECEPTACLE. THOMAS B. WRIGHT, Cincinnati, Ohio. Filed Jan. 24, 1922. Serial No. 531,477. 1 Claim. (Cl. 206—4.)



A sanitary lunch receptacle consisting of upper and lower parts, each formed of a single piece of stamped metal, said lower part having a bottom, and side and end walls, the side walls being parallel to one another and the end walls also being parallel to one another, curved corners connecting the side and end wals and curved corners also connecting the side and end walls to the bottom, a bead formed integral with the side and end walls and extending outwardly to form a substantially continuous flange arranged below the upper edge of the lower portion of the receptacle, the upper portion of the receptacle having a top, and side and end walls, the side walls of the upper portion being parallel and being adapted to snugly ngage the side walls of the lower portion, and the end walls of the upper portion being parallel and adapted to engage the end walls of the lower portion, the lower edge of one of the walls of the upper portion being hinged to the bead of the lower portion, so that the portions will overlap for a considerable height when the upper portion is closed on the lower portion, the upper portion having the central part of its top of semi-cylindrical shape from end to end and the outer parts of said top being substantially concave from end to end, all of the corners of the top portion being rounded on the interior to facilitate cleaning.

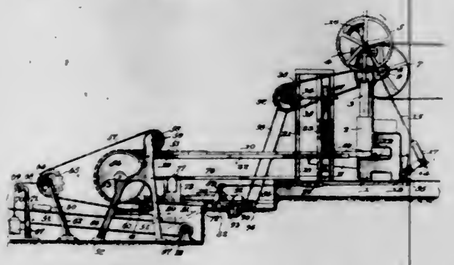
1,504,301. METHOD OF PRODUCING A BALANCED TELEPHONE EXCHANGE. ARTHUR H. ADAMS, Galion, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1918. Serial No. 268,525. 6 Claims. (Cl. 179—18.)



1. The method of economically routing traffic to be distributed over a number of channels with a given number (n) of channels over which any given unit of the

traffic may be routed, a given number (A) of units of traffic to be routed per channel per average routing time of a traffic unit, and a given fraction (P) of permissible traffic failures, which method comprises routing the traffic over a total number of channels such as to substantially satisfy the equation $A^n=P$.

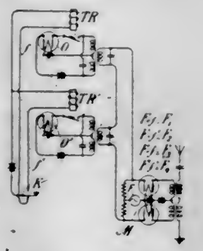
1,504,302. BRICK MACHINE. GEORGE C. ADAMS, Mechanicville, N. Y., assignor of one-fourth to Joseph M. Purcell and one-fourth to Richard A. Moore, both of Mechanicville, N. Y. Filed June 13, 1922. Serial No. 567,944. 13 Claims. (Cl. 25—2.)



2. In a brick machine, means for striking or rapping the molds comprising, gravity-actuated pendant swinging hammers adapted to strike the sides of the mold, and means for raising and releasing said hammers to permit them to fall by gravity to deliver their blows on the mold.

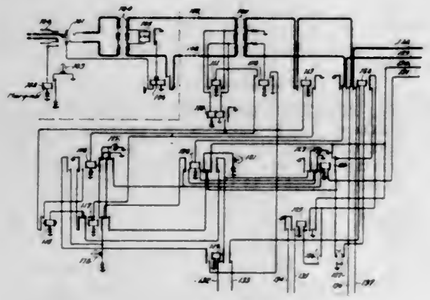
9. In a brick machine, means for unloading the molds containing the brick, comprising means for bringing the molds and their pallets into inverted position, means for supporting the mold when in inverted position, shiftable means for engaging and supporting the pallet and the brick when the mold is in inverted position, and means for lowering away the pallet and brick from the mold, said means being adapted to disengage the pallet supporting means when operating to engage the pallet and permitting the pallet supporting means to return to supporting position to support the pallet on a succeeding mold when the pallet and brick of a preceding mold have been lowered.

1,504,303. METHOD OF AND MEANS FOR REDUCING STATIC DISTURBANCES. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 3, 1921. Serial No. 474,824. 13 Claims. (Cl. 250—10.)



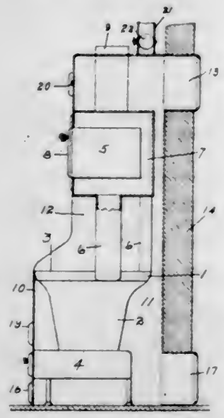
1. The method of reducing static disturbances which consists in transmitting a plurality of wave frequencies, producing a marking signal of a telegraph code at a receiving station by the conjoint action of certain of said frequencies, and producing the spacing signal of a telegraph code by the conjoint action of other of said frequencies, whereby static disturbances producing frequencies less in number than the number required to produce a signal will be without effect.

1,504,304. TELEPHONE-EXCHANGE SYSTEM. WALTER P. ALBERT, East Orange, N. J., and WARREN W. CARPENTER, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,420. 5 Claims. (Cl. 179—27.)



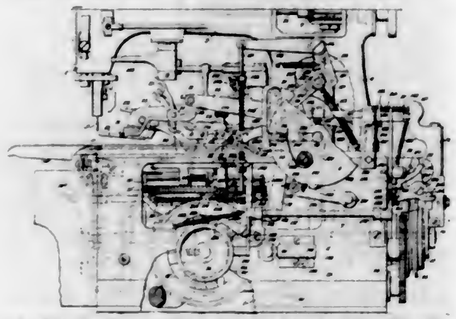
1. In a telephone system, an operator's position, a group of trunks, an automatic switch for extending telephone connections over the trunks of said group, a register sender for controlling the selective movement of the automatic switch, a timing device for governing the controlling operation of the register sender, a signal at the operator's position, means for controlling the timing device when the automatic switch finds all trunks busy in said group, and means responsive to said timing device for operating said signal.

1,504,305. COMBINATION WARM-AIR FURNACE AND KITCHEN RANGE. CLARENCE S. ALIG, Indianapolis, Ind. Filed Nov. 14, 1922. Serial No. 600,932. 3 Claims. (Cl. 126—4.)



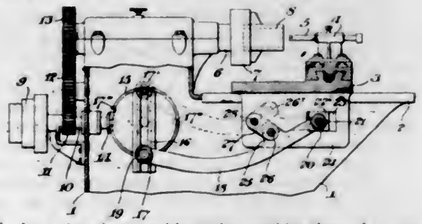
1. A combined furnace and range comprising a fire pot and a cooking top, an oven spaced above said cooking top, a casing surrounding said oven and having its walls spaced therefrom, a smoke pipe at the rear and on each side forming communication between the fire pot and the oven casing, a main casing having a lower portion surrounding the fire pot and an upper portion surrounding the oven casing said main casing having a double walled intermediate portion inclosing said cooking top on three sides and formed integrally with and inclosing said smoke pipes, substantially as set forth.

1,504,306. BUTTONHOLE-SEWING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 5, 1922. Serial No. 558,644. 11 Claims. (Cl. 112—68.)



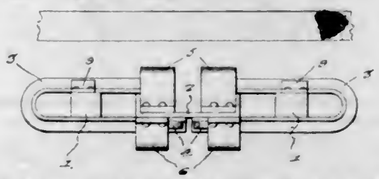
1. A buttonhole sewing machine having, in combination, buttonhole cutting mechanism, buttonhole working mechanism, continuously running power means for said mechanisms, clutch devices for throwing said mechanisms into and out of operation, a rotary control element driven by the buttonhole working mechanism, and means connected to be operated by said control element for locking the clutch device for the cutting mechanism against accidental operation during a predetermined period of the operation of the buttonhole working mechanism.

1,504,307. MACHINE FOR FORMING GROOVES. GILBERT V. ANDERSON, Philadelphia, Pa., assignor to William P. Fischer, Philadelphia, Pa. Filed Feb. 18, 1921. Serial No. 446,103. 5 Claims. (Cl. 90—39.)



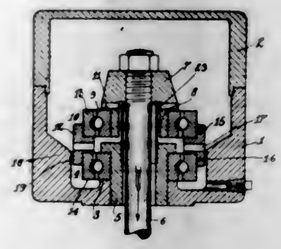
1. In a forming machine, the combination of a rotary member, a reciprocating member, and oscillatory mechanism whereby said rotary member operates said reciprocating member, and means connecting said oscillatory mechanism with said reciprocating mechanism for automatically adjusting the stroke of said reciprocating member relatively to the movement of said rotary member.

1,504,308. BRAKE. CHARLES EDWARD ARCHER, Sumter, S. C. Filed Aug. 27, 1923. Serial No. 659,661. 2 Claims. (Cl. 188—212.)



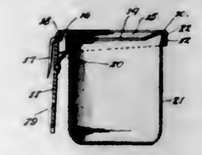
2. A support for a brake beam comprising a U-shaped member having one limb longer than the other, a pair of boxes for receiving the ends of the limbs, one box having its rear closed and engaging the end of the short limb and a spring latch on the long limb for engaging a part of the box to hold the member in position.

1,504,309. THRUST BEARING. STANLEY E. ARMSTRONG and EDWIN JOHN GOYETTE, Oakland, Calif. Filed Oct. 21, 1922. Serial No. 595,971. 3 Claims. (Cl. 64—49.)



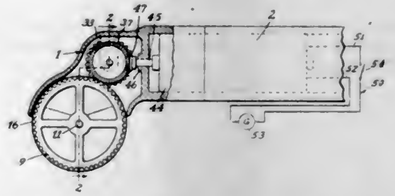
2. A thrust bearing comprising a casing, a plurality of superimposed bearings in said casing, said bearing consisting of an inner and an outer race, means to secure the inner race of the lower bearing to the casing, means to secure the inner race of the upper bearing to the shaft, and means to join the outer races of said bearings.

1,504,310. ASH TRAY. JOHN CLAYTON BACKUS, Smethport, Pa., assignor to Backus Novelty Company, Smethport, Pa., a Corporation of West Virginia. Filed Mar. 22, 1922. Serial No. 545,776. 7 Claims. (Cl. 131—51.)



7. In an ash tray, the combination of a supporting bracket including a base plate having a top plate extending therefrom and provided with a depending split flange formed at its ends with lugs abutting the base plate for bracing the top plate with respect to the base plate, an attaching device carried by the bracket, a receptacle fitting in said flange, and means removably locking the receptacle upon the bracket.

1,504,311. ELECTRIC SAFETY RAZOR. CHARLES F. BAILEY, Los Angeles, Calif. Filed May 21, 1923. Serial No. 640,368. 7 Claims. (Cl. 30—12.)

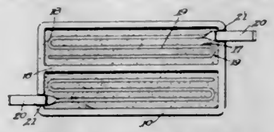


1. A razor including a housing, a blade comprising a cylindrical shell mounted in said housing and projecting therefrom, said blade being provided with spiral slots, one edge of which being sharp, and means for rotating said blade so that said sharp edges will shave.

1,504,312. SECONDARY STORAGE BATTERY. EUGENE N. BALDWIN, Donora, Pa. Filed Dec. 6, 1922. Serial No. 605,201. 7 Claims. (Cl. 204—29.)

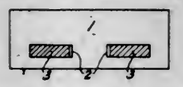
1. In a battery of the class described, a vessel divided by a partition-wall into compartments, a metallic elec-

trode strip bent back and forth upon itself and resting edgewise upon the bottom of the vessel, each electrode



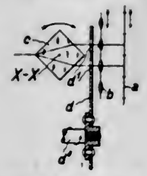
having a connector and extending to the exterior of the vessel, and suitable paste-like coacting materials in each compartment between the portions of the strips.

1,504,313. RESILIENT ROAD SURFACE, FLOORING, AND THE LIKE. WILLIAM FRANCIS BARNS, Ipoh, Perak, Federated Malay States. Filed Mar. 13, 1923. Serial No. 624,850. 7 Claims. (Cl. 94—12.)



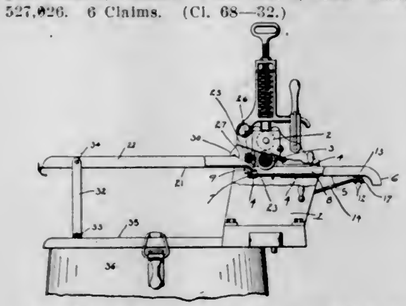
1. A surface comprising resilient blocks provided with a plurality of cavities and so laid as to form continuous channels, and holding means within the cavities longer than the width of the blocks and fitting the cavities as to height but smaller as to width.

1,504,314. EXPOSURE CINEMATOGRAPH. WALTHER BAUERSFELD, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Dec. 22, 1922. Serial No. 608,556. 1 Claim. (Cl. 88—16.8.)



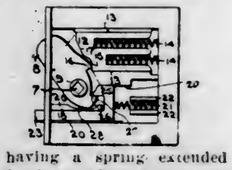
In an exposure cinematograph a uniformly traversed film, a device adapted to compensate the film motion and containing several objectives lying in the path of rays, which are movable approximately rectilinear and parallel to the direction of motion of the film, and an optical system movably disposed in front of the said compensating device and adapted to deflect the rays traversing it in such a manner that the axis of each of the said objectives during its presence in the field of rays coincides with one and the same ray.

1,504,315. WRINGER. WILLIAM GEORGE BEATTY, Fergus, Ontario, Canada. Filed Jan. 4, 1922. Serial No. 527,026. 6 Claims. (Cl. 68—32.)



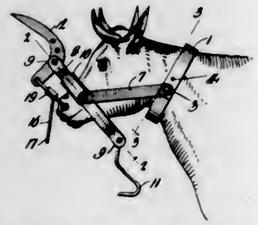
1. A wringer, comprising a set of rollers, a laterally adjustable drain board slidably mounted below the rollers, and means adjusting the drain board relatively to the rollers, comprising a rock shaft and a pitman communicating motion from the rock shaft to the drain board.

1,504,316. DOOR LATCH. HEDLEY BEAUCHAMP, Johannesburg, Transvaal, South Africa. Filed Sept. 21, 1920. Serial No. 411,806. 5 Claims. (Cl. 292—332.)



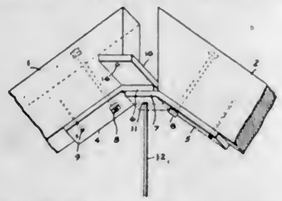
1. A latch having a spring extended latch bolt, a spring extended trigger adapted to be thrust in by contact with a fixed part, said trigger being adapted, when extended, to retain the bolt in a retracted position, and when thrust in to release said bolt said bolt when extended holding said trigger retracted from contact with the fixed part when the door to which the latch is attached is closed.

1,504,317. CATTLE POKE. JACOB B. BENTON, McLean, Tex., assignor, by direct and mesne assignments, to The Continental Tool and Manufacturing Company, Chickasha, Okla., a Business Trust. Filed Mar. 5, 1923, Serial No. 623,044. Renewed May 22, 1924. 1 Claim. (Cl. 119—141.)



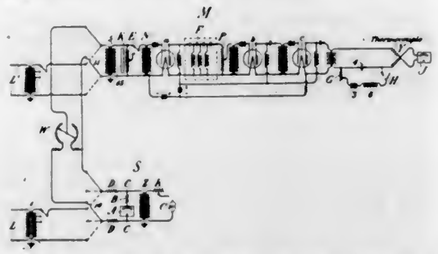
In a device of the class described, a neck yoke including a pair of bowed sections pivoted together at their terminals, means for preventing the bowed sections from pivoting toward the head of the animal on which the yoke is placed, a pair of links connected to the bowed sections at their pivoted points and extending forwardly therefrom and a poke attached to the forward ends of said links so that should the animal endeavor to remove the poke the links will be pulled thereby pulling forwardly of the pivot points from the yoke causing the sections thereof to pivot thus making it impossible to slip the yoke over the animal's head.

1,504,318. JOINT CONSTRUCTION. EMANUEL BERGLUND, San Francisco, Calif., assignor to General Supply Company, Los Angeles, Calif. Filed May 1, 1922. Serial No. 557,578. 4 Claims. (Cl. 108—23.)



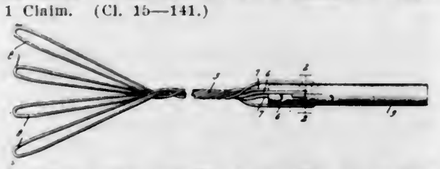
2. In combination with rafters a ridge-board contiguous therewith and a cross rafter extending between and joining the rafters, plates secured to the under sides of the first named rafters and overlapping one another at points beneath the ridge-board, a plate mounted upon the uppermost of the overlapping portions and extending outwardly from opposite sides of said overlapping portions, a rod extending thru said plate and the overlapping portions and secured to the cross rafter and bolts connecting end portions of the last named plate with the ridge-board.

1,504,319. TESTING APPARATUS. FRED H. BEST, Westfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,118. 11 Claims. (Cl. 179—175.)



10. The method of measuring cross-talk from a disturbing line to a disturbed line, which consists in applying a tone current to the disturbing line and measuring the response in the disturbed line by means of a circuit at its end, and then applying the same source of tone current through a calibrated adjustable impedance device directly to said measuring circuit.

1,504,320. CARPET BEATER. NEWTON J. BISHOP, St. Louis, Mo. Filed Apr. 16, 1923. Serial No. 632,494. 1 Claim. (Cl. 15—141.)



A carpet beater including a plurality of lengths of wires, each length of wire being bent intermediate its end to provide opposed leg portions, the leg portions being twisted about each other to provide a body portion, a handle having an opening formed in one end thereof and having transversely disposed openings in spaced relation with one end, one of the leg members of each length of wire being disposed in the opening formed in the end of the handle, the opposed leg member of each length of wire extending through the transversely extending openings, and the ends of the last mentioned legs being bent into close engagement with the handle.

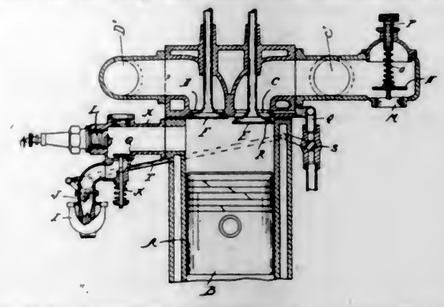
1,504,321. RELIEF MAP. ALFRED W. BJORNSTAD, St. Paul, Minn. Filed Feb. 23, 1921. Serial No. 447,268. 9 Claims. (Cl. 35—6.)



1. A relief map comprising a metal back having its surface pressed out to conform to the contour of the land represented by the map, a cushion member mounted on said back, covering its entire surface and a surface member mounted on said cushion member having printed on it a map, said cushion member conforming to the surface of the back throughout its entire surface, a metal band extending around the edge of said metal back and soldered thereto and a flange formed on said band extending inwardly from the edge thereof, said flange having an inwardly turned edge.

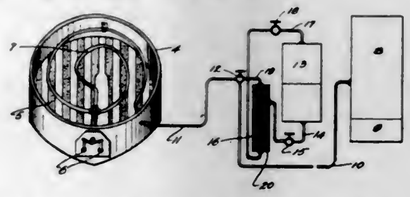
1,504,322. INTERNAL-COMBUSTION ENGINE. ALANSON P. BRUSH, Detroit, Mich. Filed Nov. 21, 1921. Serial No. 516,597. 3 Claims. (Cl. 123—75.)

3. An internal combustion engine comprising a cylinder, a reciprocating piston therein, a combustion chamber at one end of said cylinder, two inlets into said combustion chamber, a throttle valve controlling one of said inlets, a carbureter connected to said throttle controlled inlet for supplying a substantially uniform combustible mixture, an air drag associated with the other of said



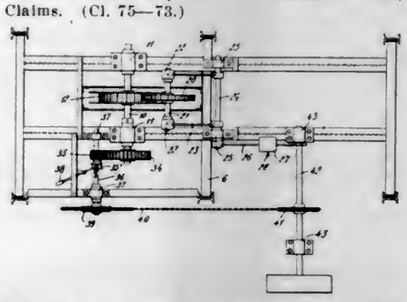
inlets for admitting air therethrough, means for supplying liquid fuel to said other inlet, and a valve operated by said throttle valve for varying the amount of fuel supplied through said other inlet independently of the air passing therethrough.

1,504,323. LIQUID-FUEL BURNER. CARL BUSH, Hollywood, Calif., assignor of one-half to B. R. Skinner, Seattle, Wash. Filed Sept. 23, 1922. Serial No. 590,042. 1 Claim. (Cl. 158—31.)



The combination with a liquid fuel burner of a fuel tank a supply pipe and an induction pipe, an auxiliary feed tank containing air under pressure, a mixing chamber between the auxiliary tank and induction pipe and connected to the latter, said chamber having an air pipe and a fuel pipe connection to said auxiliary tank, a control valve at the junction of the supply and induction pipes with the latter's connection to the mixing chamber, and control valves in said air pipe and fuel pipe.

1,504,324. METHOD AND APPARATUS FOR AGGLOMERATING MATERIALS. CLARENCE LEWIS COLBERT, Elizabeth, N. J., assignor to The American Metal Company, Ltd., New York, N. Y., a Corporation of New York. Filed May 19, 1922. Serial No. 562,063. 5 Claims. (Cl. 75—73.)



1. A method of agglomerating ores, concentrates, fluedust and like divided material, which comprises causing the material to advance through a heating chamber, subjecting it to gradual heating therein, regulating the rate of travel and the temperature of the material in accordance with its physical characteristics to avoid fusion but so as to discharge it from the chamber in a plastic con-

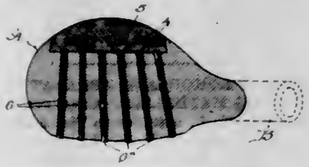
dition and in substantially its original divided form, and subjecting the divided material to pressure while in the plastic condition.

1,504,325. METAL STUDDING AND METHOD OF MAKING SAME. CORNELIUS COLLINS, Los Angeles, Calif. Filed Feb. 20, 1922, Serial No. 537,736. Renewed July 16, 1923. 7 Claims. (Cl. 72—115.)



1. A studding member for the support of metal lath and the like, comprising a channel bar formed from sheet metal, prong carrying members formed as a continuation of one flange of said channel and adapted to be bent outwardly and against said flange, a prong member formed integral with one end of each of said prong carrying members and normally extending at right angles to said flange and in a plane transversely thereof.

1,504,326. GOLF CLUB. JOHN J. CULLINAN, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,327. 3 Claims. (Cl. 46—4.)



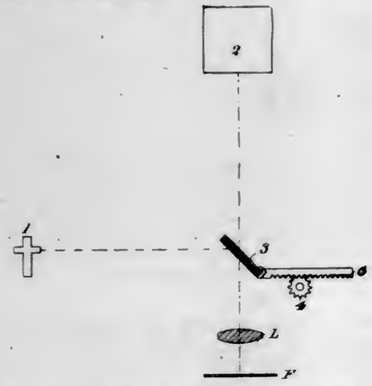
1. A golf club or the like comprising a head of fibrous material, having a substantially flat striking face, and a strand of gut extending into said head substantially at right angles to the face thereof, the outer end of said strand having a heat enlarged head substantially flush with said face.

1,504,327. RAILWAY MOTOR CAR. CASCIOUS H. DE LA MONTE, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 18, 1922. Serial No. 530,033. 4 Claims. (Cl. 105—62.)



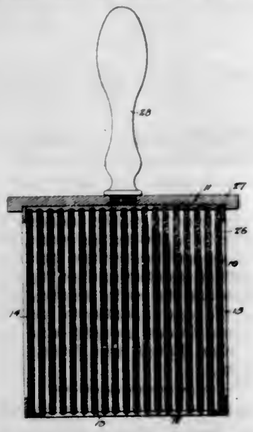
2. A rail motor car composed of two motor truck chassis mounted on flanged wheels and each having its own power plant and transmission, a car body mounted on said chassis, and hydraulic means operatively interconnecting the control elements for said transmissions, whereby simultaneous and corresponding conditions in said controls may be secured.

1,504,328. METHOD AND APPARATUS FOR PRODUCING MULTIPLE AND PHANTOM IMAGE EFFECTS IN PHOTOGRAPHY. LEON F. DOUGLASS, Menlo Park, Calif. Filed Apr. 18, 1922. Serial No. 555,088. 6 Claims. (Cl. 88—16.)



1. The method of producing phantom image effects upon a photographic film, which comprises interposing a semi-light-reflecting element in the path of the light rays from an object, reflecting an indistinct image of said object through a lens onto a sensitized film, simultaneously directing the light rays from another object through said semi-light-reflecting element and said lens onto said film, lineally moving said element to different positions and making successive exposures and lineally moving said reflected light rays across said film.

1,504,329. APPARATUS FOR BASE-EXCHANGING SUBSTANCES. OSCAR EDERSTEIN, Shelton, Conn., assignor to American Zeolite Corporation, Paterson, N. J., a Corporation of New York. Filed Dec. 31, 1920. Serial No. 434,208. 4 Claims. (Cl. 210—24.)



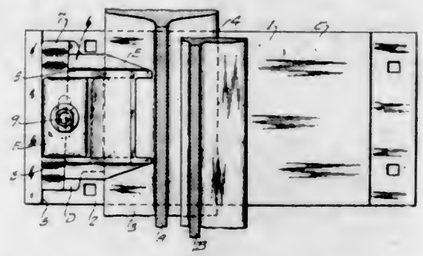
1. A holder adapted for hand use and having separated spaces therein in combination with a plurality of flat packages open for the passage of water therethrough and a base-exchanging content in said packages, the packages fitting within the spaces and being separated thereby.

1,504,330. FLANGE FROG. ROBERT E. EINSTEIN, St. Louis, Mo., assignor to American Flange Frog and Railway Improvement Company, St. Louis, Mo., a Corporation of Florida. Filed Oct. 12, 1923. Serial No. 668,122. 17 Claims. (Cl. 246—456.)



3. A flange frog provided with a point, a running surface, a guard member detachably combined with said elements and provided with a wheel rim engaging portion arranged in a higher horizontal plane than said running surface, and means on said guard member that supports and carries said point and running surface.

1,504,331. SPLIT SWITCH. ROBERT E. EINSTEIN, St. Louis, Mo., assignor to St. Louis Frog & Switch Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 29, 1923. Serial No. 671,452. 7 Claims. (Cl. 246—453.)



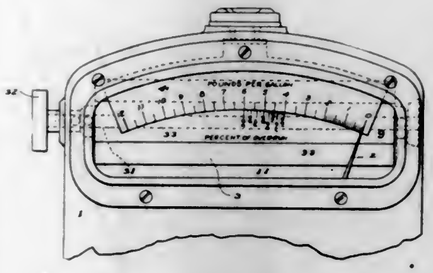
1. A split switch, comprising a slide plate provided with a depressed seat that has an abutment at one end of same, a movable switch point slidingly mounted on said plate, a stationary track rail mounted on said seat with the inner end of its base flange bearing against said abutment, a brace arranged on the outer side of said rail, a second abutment on said slide plate at the opposite end of said seat, and an adjustable means interposed between said brace and the second abutment on said slide plate for holding said brace in engagement with said rail and for pressing the inner edge of the base flange of said rail against the abutment on the slide plate first referred to.

1,504,332. FLANGE FROG. ROBERT E. EINSTEIN, St. Louis, Mo., assignor to American Flange Frog and Railway Improvement Company, St. Louis, Mo., a Corporation of Florida. Filed Dec. 8, 1923. Serial No. 679,412. 14 Claims. (Cl. 256—456.)



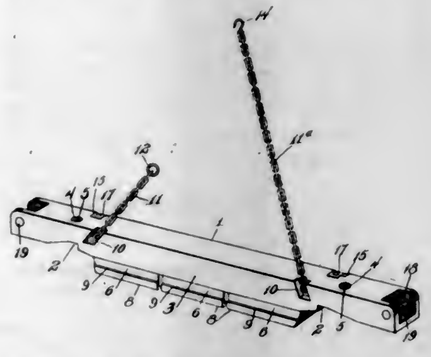
1. A frog having a main body portion formed by a casting provided on its underside with a hollow space having side walls formed by webs on sand casting, said webs having openings of such dimensions and shape that guard member fastening devices can be arranged transversely of said webs with their heads positioned inside of said pocket, without disturbing or changing the position of said casting in the track.

1,504,333. SCALE. ERNEST D. FEAR, Kansas City, Mo. Filed Aug. 16, 1923. Serial No. 657,662. 3 Claims. (Cl. 265—32.)



1. In a scale, in combination with a swingable pointer, a flat stationary scale, and a roller polygonally shaped in cross-section, and having upon each face a different scale computed upon different bases relative to the stationary scale, said roller being journaled to be rotated to bring any one of its faces into registry with the path of movement of the pointer, and said flat scale being mounted for movement away from the faces of the roller to permit rotation thereof, and towards said faces to lie normally closely adjacent and coordinated with the scales upon said faces.

1,504,334. BALLAST-PLOWING DEVICE. EARL G. FIDLER, Garrett, Pa., assignor of one-half to Lee W. Pollard, Garrett, Pa. Filed Jan. 14, 1924. Serial No. 686,230. 13 Claims. (Cl. 37—104.)



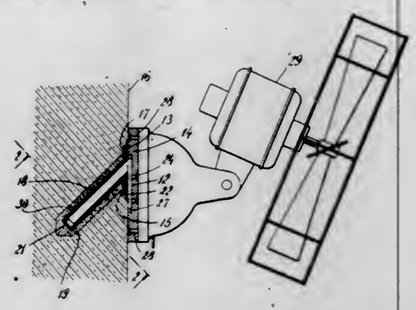
1. A device of the character described comprising a member adapted to travel upon the rails of a trackway, attaching means associated therewith, and plow elements secured to the under face of the member.

1,504,335. GASKET. AMBRUS L. FISHER, New Orleans, La. Filed Dec. 8, 1922. Serial No. 605,667. 1 Claim. (Cl. 288—1.)



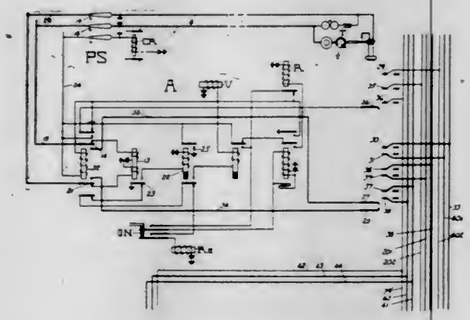
A gasket comprising a pair of ring members, one formed at its inner edge with a bead contacting with the other ring member to space the rings, and the other ring member having its inner edge formed with a bead pressed back to contact with the first named ring member on the side opposite the first named bead.

1,504,336. WALL BRACKET. ORSON FRANK FOSTER, Englewood, N. J. Filed June 30, 1922. Serial No. 571,974. 10 Claims. (Cl. 72—105.)



7. A wall bracket including a receptacle member having a face plate arranged to lie in a countersink in the wall and a socket portion extending from the plate and which is adapted to enter a hole in the wall, a finishing plate arranged to overlie the face plate in said countersink, and means for securing the finishing plate to the face plate, substantially as described.

1,504,337. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Portland, Oreg. Filed May 16, 1921. Serial No. 469,886. 74 Claims. (Cl. 179—27.)



1. In a telephone system calling and called lines, an operator's switchboard, automatic switches directly controlled from the calling line for interlinking a connection from the calling line to the switchboard, a transfer switch in a Y branch intermediate of the calling line and the switchboard for extending a connection from the calling line to a called line, and means in control of the switchboard for effecting at will a switching operation of the transfer switch and thereafter extending the connection from the calling line and switchboard to the called line.

1,504,338. ALLOY COMPRISING IRON, NICKEL, CHROMIUM, TUNGSTEN, OR MOLYBDENUM. PIERRE GIRIN, Paris, France, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Filed Dec. 9, 1918. Serial No. 265,985. 1 Claim. (Cl. 75—1.)

A high nickel ferrous alloy containing nickel, 60 to 70 per cent, chromium 10 to 15 per cent, tungsten, 2 to 5 per cent, manganese 1 to 2 per cent and carbon, 0.3 to 0.6 per cent, such alloy having at elevated temperatures great mechanical resistance and also great resistance to chemical agents and susceptible of retaining indefinitely its initial properties, notwithstanding prolonged service.

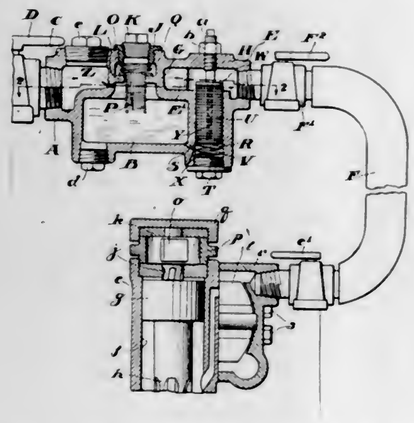
1,504,339. MANUFACTURE OF MONOSODIUM PHOSPHATE. WALTER GLAESER, Brooklyn, N. Y. Filed Apr. 12, 1922. Serial No. 551,916. 2 Claims. (Cl. 23—13.)

1. The method of manufacturing monosodium phosphate which consists in reacting upon dicalcium phosphate with sodium bin-oxalate in the presence of water while agitating the mixture, and then separating the mono-sodium phosphate formed from the calcium oxalate formed by filtration, and then evaporating the mono-sodium phosphate solution to solid form.

1,504,340. MANUFACTURE OF MONOSODIUM PHOSPHATE. WALTER GLAESER, Brooklyn, N. Y. Filed Apr. 12, 1922. Serial No. 551,917. 2 Claims. (Cl. 23—13.)

1. In a method of making mono-sodium phosphate, the steps which consist in treating phosphate containing material with sulphuric acid and water to produce mono-calcium phosphate and then converting the mono-calcium phosphate formed to mono-sodium phosphate by the addition of sodium oxalate.

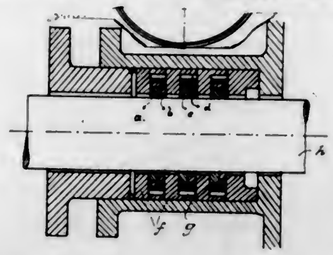
1,504,341. AIR-LINE OILER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 17, 1923. Serial No. 675,431. 10 Claims. (Cl. 184—55.)



1. An air line oiler comprising a casing having a passage in its upper portion through which an air current is adapted to pass, a cartridge chamber in the casing, an absorbent cartridge in said chamber, a reservoir for lubricant in the lower portion of the casing subject to the air pressure in said upper passage for supplying lubricant to said cartridge chamber and cartridge and means for exposing the upper portion of said cartridge to the air current passing through the passage in the upper portion of the casing whereby said current tends to dry the exposed portion of said cartridge and carries away small particles of lubricant.

1,504,342. METAL PACKING FOR PISTON RODS. FRANZ HAUBER, Vienna, Austria. Filed Feb. 7, 1923. Serial No. 617,590. 5 Claims. (Cl. 286—20.)

1. The combination with a stuffing box chamber and a piston rod extending through the same, of a segmental ring arranged in the chamber and bearing on the piston rod, a plurality of relatively strong, resilient springs sprung over the segmental ring and each split transversely at one point only in its periphery, the split portion of each spring being displaced at about 180 degrees relatively to the split of the other spring, and said resilient springs forming the only means for offering great resistance to the opening of the whole packing by the working medium.



1,504,343. DENTAL MIRROR. JOSEPH G. HEARD, Atlanta, Ga. Filed Mar. 1, 1923. Serial No. 622,088. 3 Claims. (Cl. 128—10.)



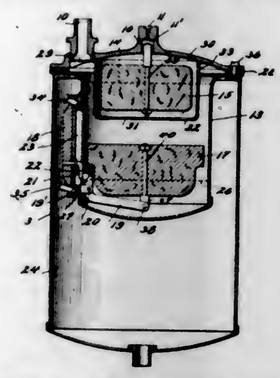
1. A dental instrument comprising a handle having a head from which extends two spaced stems, and a mirror supported in the free ends of said stems, said head being distant from the mirror, whereby a clear space is provided between the mirror and head for the reception of dental tools.

1,504,344. SAFETY DEVICE FOR VEHICLE DRIVERS. HENRY K. HENNIGH, Henry County, Ind. Filed June 9, 1922. Serial No. 567,033. 3 Claims. (Cl. 45—97.)



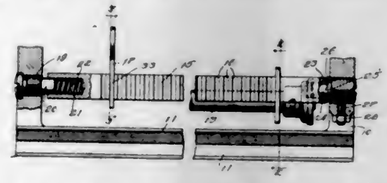
1. A device, of the character described comprising a substantially rectangular sheet of material having a reflecting surface, a support therefore comprising a single length of wire formed at one end into a resilient clamp and bent at the other end to lie against the other surface of the said sheet of material and to follow the periphery thereof, the corners of the sheet of material being bent reversely over the adjacent portions of wire for securing the wire to the sheet of material, substantially as set forth.

1,504,345. VACUUM FUEL-FEEDING DEVICE. EDWARD L. HOFFMAN, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,393. 7 Claims. (Cl. 103—236.)



1. In combination with an internal combustion engine of such character that the pressure in the intake manifold is practically continuously less than atmospheric pressure, a main low level tank, a fluid supply receptacle located in a plane thereabove, said receptacle comprising an inner and outer container, means located wholly within said inner container for regulating the intake of said fluid from said main tank and the discharge of said fluid into and the admission of air thereinto from said outer container, said means consisting in a plurality of opposed fluid operated floats, and means connected thereto and adapted to regulate suction for supplying said fluid, and a fluid discharge and air admission valve between said inner and outer container.

1,504,346. STOP BAR. OTTO A. HOKANSON, Woodstock, Ill., assignor to The Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 22, 1919. Serial No. 325,400. 2 Claims. (Cl. 197—176.)

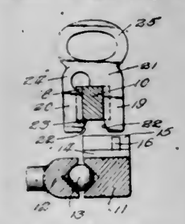


1. In a typewriter, a platen carriage, a stop bar therefor, a journal support for one end of said stop bar arranged to permit rotation of said bar about its axis, a spring for forcing said bar away from said support, the opposite end of said bar having a cylindrical opening therein, a screw plug mounted in said platen carriage and arranged in said opening to provide a journal bearing for said bar, said plug having a threaded connection with said carriage and movable in said threaded connection to force said stop bar endwise against the tension of said spring to adjust the position of said stop bar, and a detachable device for holding said stop bar against rotation.

1,504,347. TABULATOR STOP FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to The Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Sept. 22, 1919. Serial No. 325,401. 2 Claims. (Cl. 197—70.)

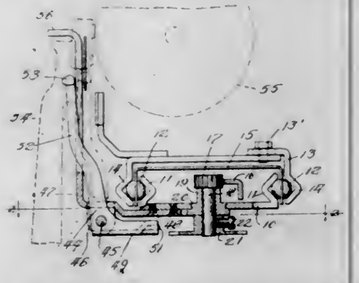
1. The combination with a stop bar for typewriters having a plurality of transverse grooves thereon, of a bifurcated stop member arranged to straddle said bar

with a prong thereon positioned in one of said grooves to hold said stop against longitudinal movement on said bar, a yoke for connecting the prongs of said bifurcated stop comprising a split ring having said prongs secured to the free ends thereof and having a resilient portion arranged to permit movement of said prongs toward and away from one another, and a projection on one of said prongs extending toward the other prong and arranged to lie beneath a portion of said stop bar when said stop



is in position on said bar, the space between the inner portion of said projection and the opposite prong being less than the thickness of the portion of said bar straddled by said prongs so that said prongs must be sprung away from one another to permit movement of said stop into and out of position on said bar the projection having opposite beveled faces to engage said bar and spring said prongs when said stop is moved onto or off of said bar.

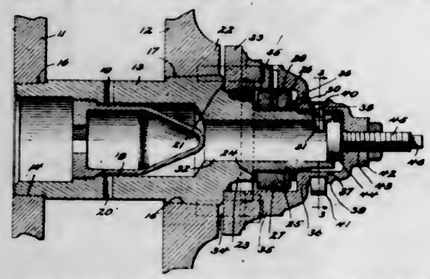
1,504,348. ESCAPEMENT MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed May 14, 1920. Serial No. 381,250. 21 Claims. (Cl. 197—60.)



1. In a typewriter, a platen carriage comprising a plate, a bed for said carriage comprising a plate arranged substantially parallel with the plate of said carriage, said plates having cooperating ways for guiding said carriage on said bed and for spacing said plates from one another, an escapement wheel having a fixed plane of rotation arranged substantially parallel with said plates, and rack and pinion mechanism positioned within the space included between said plates and controlled by said escapement wheel for regulating the movement of said carriage on said bed.

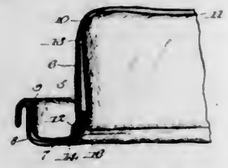
1,504,349. LUBRICATING DEVICE FOR CROSSHEAD PINS. HARRY A. HOKE, Altoona, Pa. Filed Dec. 13, 1922. Serial No. 606,713. 7 Claims. (Cl. 184—5.)

5. In a device of the class described the combination with a cross head pin having a longitudinal extension from one end of materially reduced diameter externally forming an outwardly facing circular shoulder, and of reduced interior diameter the bore being smooth and cylindrical and having a transverse slot like opening near its outer end, an integral member partly surrounding said extension including at its inner end a ring having sides in radial planes adapted to fit and engage at its inner edge said shoulder on said pin and having bolt holes at intervals beyond the periphery of said shoulder for screw-threaded connection to the wall of the cross head adjacent the pin, two arms extending from said ring longitudinally of said extension but spaced therefrom having inturned outer ends, a cap connected to said inturned ends provided with a cylindrical bore surrounding the end portion of said pin extension and its slot and having therein a corresponding slot, the bore of said



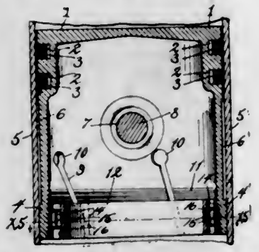
cap beyond the end of said extension being of greatly reduced diameter and screw threaded, a piston in the bore of said extension adapted to move longitudinally therein and a screw threaded rod connected to said piston extending through and in threaded engagement with the outer bore of said cap extending a material distance beyond it and so formed at its end as to be engaged for turning.

1,504,350. HAT. EMMA J. HUGHES, New York, N. Y. Filed May 13, 1922. Serial No. 560,635. 2 Claims. (Cl. 2—175.)



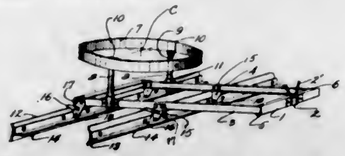
1. A hat comprising a band, a brim connected with the lower part of the band, a rigid ring-shaped member at the junction of the band with the brim, a crown member adapted to be placed over the band and an elastic strip at the mouth of the crown member for contracting the same against the ring member.

1,504,351. ADJUSTABLE PISTON. GEORGE M. HURLEY, Los Angeles, Calif. Filed Sept. 19, 1921. Serial No. 501,532. 2 Claims. (Cl. 74—108.)



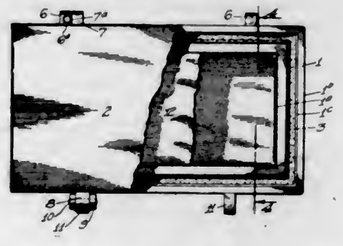
1. A piston provided with a slotted skirt having an internally screw threaded taper seat; a taper expanding ring screwed into said seat and provided with longitudinal cam grooves, locking rollers in said grooves provided with heads adapted to enter the spaces between the threads of the screw threaded seat for the purpose of locking the ring against rotation in said seat.

1,504,352. ROAD MACHINE. JAMES B. JARMIN, Spokane, Wash. Filed June 11, 1923. Serial No. 644,626. 3 Claims. (Cl. 37—156.)



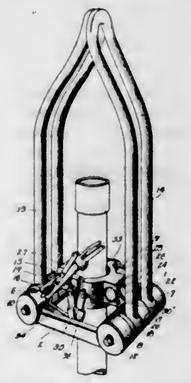
1. The combination with the side bars of a flexible frame having a fixed pivot point, of a rotary member having a fixed axial center, diametrically arranged supporting members fixed to said rotary member and pivotally connected to said side bars, and a pair of movable blades carried by said side bars disposed equi-distant about said axial center.

1,504,353. THERMOCONTAINER. WALTER C. KILIUS and JOHN F. RUDOLPH, Lompoc, Calif.; said Rudolph assignor to said Kilius. Filed Oct. 4, 1922. Serial No. 592,350. 4 Claims. (Cl. 220—9.)



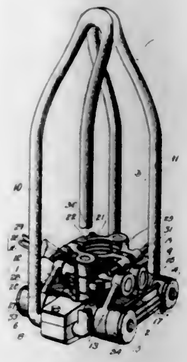
1. A container of the class described, including a double-walled container member, a quickly removable double-walled cover member, a heat insulating material interposed between the wall portions of said container and cover members, interlocking lugs provided on one side of said container and cover members to permit ready disconnection of said members from each other and cover contracting latch members provided on the other side of said container and cover members.

1,504,354. WELL-TUBING ELEVATOR. GEORGE KRELL, Kansas City, Mo. Filed June 9, 1923. Serial No. 644,337. 7 Claims. (Cl. 294—91.)



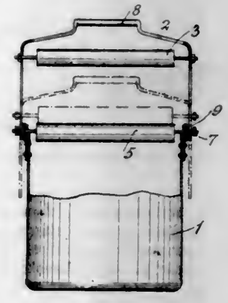
1. In a well tubing elevator, a frame, single rocker arms on the respective ends of the frame, jaws loosely mounted on the inner ends of the rocker arms, and means for supporting the frame.

1,504,355. CASING ELEVATOR. GEORGE KRELL, Kansas City, Mo. Filed June 9, 1923. Serial No. 644,338. 3 Claims. (Cl. 294—91.)



1. In a casing elevator, a frame, rock shafts, rocker arms carried by the frame, and casing engaging jaws carried by the rocker, each jaw consisting of two members, having a hinged connection.

1,504,356. WRINGING APPARATUS FOR SCRUBBING CLOTHS AND MOP CLOTHS. ERNST ULRIK LANDGRAFF, Christiania, Norway. Filed Nov. 9, 1923. Serial No. 673,848. 2 Claims. (Cl. 15—162.)

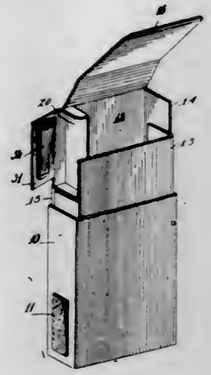


1. A combined mop pail and wringer, comprising, a bucket, a ball like handle, a roller journaled in said handle, longitudinal guide slots in the arms of said handle, projections on the bucket engaging said slots to permit sliding movement of the handle thereon, and a second roller journaled on said bucket and so positioned as to be brought into working contact with the first roller upon the lowering of the handle along said projections.

1,504,357. MATCH-HOLDING CIGAR OR CIGARETTE BOX. BENJAMIN LEBWOHL, New York, N. Y., assignor of one-half to Benjamin Mindich, New York, N. Y. Filed June 22, 1922. Serial No. 570,234. 1 Claim. (Cl. 206—48.)

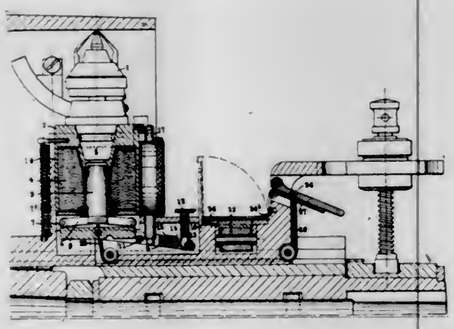
A box of the type specified consisting of an outer member, and an inner member slidable therein, a partition ex-

tending across said inner member from front to rear thereof to provide a match compartment adjacent one



side of the said inner member, the adjacent side wall of the inner member being in the form of a hinged flap covering said match compartment.

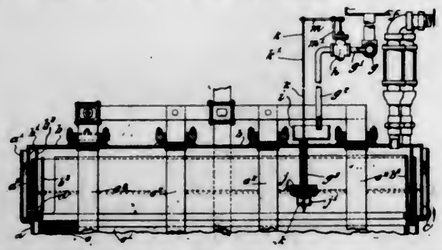
1,504,358. MACHINE FOR CUTTING DIAMONDS. EMILE FERDINAND ADELIN CHARLES LEPERRE, Antwerp, Belgium. Filed Aug. 15, 1921. Serial No. 492,496. 5 Claims. (Cl. 51—229.)



1. A machine for cutting precious stones comprising a dop carrier, a solenoid core, an energizing coil surrounding said core, a casing surrounding said coil and supporting said dop carrier, a pair of levers pivoted to said core, means for supporting the free ends of said levers, rollers on said coil casing bearing on said levers, a feed indicating device, means operated by said device for breaking the solenoid circuit and a spring for withdrawing said casing and dop carrier.

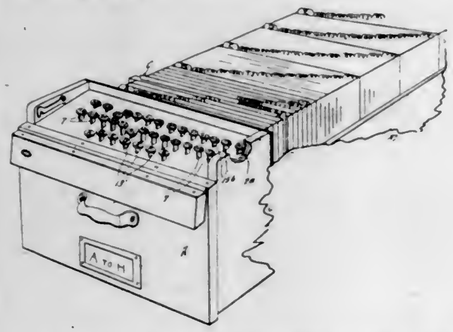
1,504,359. ELECTROLYTIC CELL. ISAAC H. LEVIN, New York, N. Y. Filed June 12, 1920. Serial No. 388,430. Renewed Oct. 26, 1923. 8 Claims. (Cl. 204—5.)

1. An electrolytic cell embodying therein a casing, means dividing the lower part of said casing into a plurality of communicating electrolyte compartments and the upper part thereof into a plurality of non-communicating gas chambers, means communicating with the cell below the normal level of the electrolyte therein and with atmosphere, whereby said electrolyte may flow between said cell and said means with varying pressure conditions therein, a pipe leading from a source of distilled water supply and discharging within a cell below the normal level of the electrolyte therein, a valve arranged in said pipe, and actuating means for said valve comprising means responsive to variations of the level of the electrolyte in the cell, and operative connections



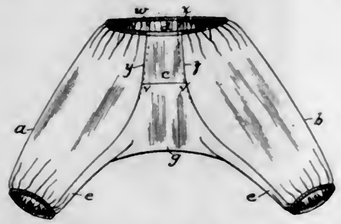
between said means and said valve whereby said valve will be opened when the electrolyte in the cell reaches a subnormal level and will be closed when the electrolyte in the cell is at the normal level.

1,504,360. INDEXING DEVICE. JOHN V. LILE, St. Louis, Mo., assignor, by direct and mesne assignments, to Donald A. Nevin and John V. Lile, trustees for Nevin-Lile Engineering Company, Limited, St. Louis, Mo. Filed Dec. 15, 1920. Serial No. 431,037. 33 Claims. (Cl. 129—16.1.)



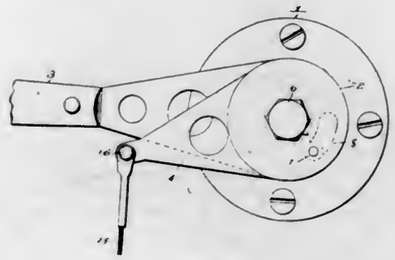
1. A card-indexing device comprising a receptacle, cards located within said receptacle, selecting mechanism adapted to cooperate with said cards upon the operation of which any individual card in said receptacle may be moved laterally therein, card-raising means including inclined faces within the receptacle, and means on said cards adapted to cooperate with said card-raising means whereby said movement of any individual card will cause same to be raised above the other cards in the receptacle.

1,504,361. PANTALETS AND SIMILAR GARMENT. JOHN J. MCLOUGHLIN, Philadelphia, Pa. Filed Aug. 2, 1923. Serial No. 655,173. 4 Claims. (Cl. 2—231.)



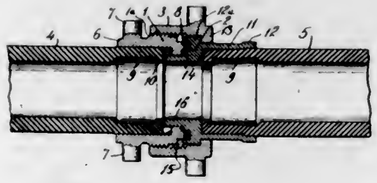
1. A garment having legs and a body portion, comprising two spaced substantially identical sections and an inserted cross-shaped section secured to the side edges of said two sections respectively to form a seamless crotch.

1,504,362. MEANS FOR RELEASING BOMBS. WALTER G. MCNEILL and HERBERT H. BLACKLEDGE, Dayton, Ohio. Filed May 17, 1923. Serial No. 639,558. 9 Claims. (Cl. 244—1.)



1. In means for releasing bbmbs, the combination of a plurality of bomb-releasing levers, a single control lever, and means actuated by said control lever in one continuous movement thereof in one direction, either fore or aft, to successively operate said bomb-releasing levers.

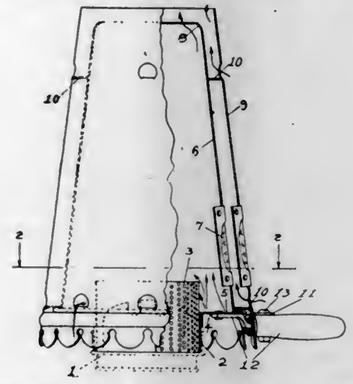
1,504,363. LOCKED COUPLING. THOMAS J. MADIGAN, New York, N. Y., assignor to Madigan Union Corporation, a Corporation of Delaware. Filed Jan. 20, 1921. Serial No. 438,580. 2 Claims. (Cl. 285—122.)



1. In a coupling, an externally threaded socket member having a polygonal opening through its center with a tongue projecting from the front face of said member and encircling said opening, an opposing socket member having a polygonal nipple projecting from its front face and having an annular recess encircling said nipple, said recess being provided with a gasket, said coupling members being adapted to telescope one into the other until said tongue seats on said gasket, a threaded collar movable forward over one of said socket members after the tongue is seated on said gasket to engage the threads on the opposing socket member and hold said members tightly in their telescoped relation, said collar-carrying socket member being provided with front and rear flanges for limiting the longitudinal movement of said collar.

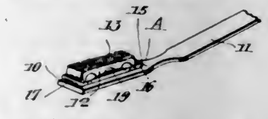
1,504,364. HEATING ATTACHMENT FOR LAMPS. BRUNO MARTIN, Saginaw, Mich. Filed Oct. 10, 1923. Serial No. 667,779. 1 Claim. (Cl. 126—255.)

In combination, a lamp burner and a heating device comprising an annular ring, a perforated cylindrical screen removably seated in said ring and projecting above the top of said burner, a tapered inner shell having its top edge contracted and its bottom edge surrounding said screen and spaced apart therefrom, an annular perforated plate secured to the upper end of said ring and to the bottom edge of said inner shell, a tapered outer shell formed near its top and bottom with inwardly projecting integral lugs taking against said inner shell, said outer



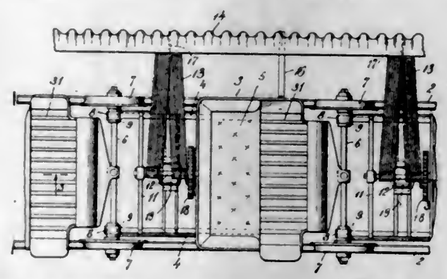
shell also formed with a projecting lug and a handle removably secured to said lug and also secured to said annular plate, for the purposes set forth.

1,504,365. BRUSH. FRANK HENRY MAYHOOD, Calgary, Alberta, Canada. Filed Apr. 11, 1922. Serial No. 551,668. 1 Claim. (Cl. 15—231.)



In a device of the character described, a frame, a handle formed integral therewith, a recess formed in the frame, a plug of resilient material and larger than the recess adapted to be fitted thereinto and designed to be held therein by its own expansion, a removable cover forming a contact surface for the plug, and means for holding the cover in place comprising a rigid band member adapted to embrace the frame, and retaining means formed on said band adapted to engage with said cover.

1,504,366. AMUSEMENT RAILWAY. HYLA FREDERICK MAYNES, Gaines, Pa., assignor, by direct and mesne assignments, to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed Dec. 18, 1922. Serial No. 607,521. 7 Claims. (Cl. 104—53.)



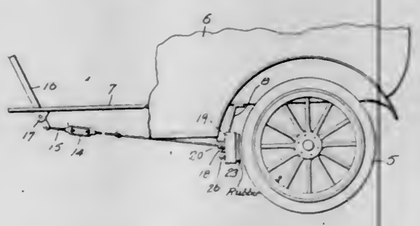
1. An amusement apparatus comprising the combination of a car, a folding canopy for the car normally lying in folded condition lengthwise of the car and to one side thereof, a fan-like support for the canopy pivoted on the car, a gear wheel secured to one of the radial elements of the support, and means for rotating the gear wheel to open and close the canopy.

1,504,367. PROCESS OF ELECTRIC WELDING. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1921. Serial No. 481,729. 14 Claims. (Cl. 219—10.)



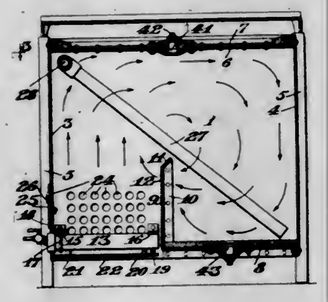
1. The process of uniting two pieces of metal consisting in forming a projection protruding above the surface of one of said pieces, electrically welding the pieces of metal together at said projection, and subsequently removing that part of the projection protruding above the surrounding surface.

1,504,368. AUTOMOBILE BRAKE. WILLIAM MULLOY, St. Louis, Mo. Filed June 12, 1922. Serial No. 567,554. 2 Claims. (Cl. 188—11.)



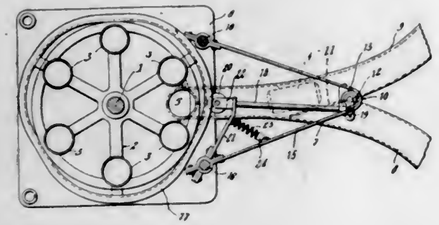
1. An automobile brake comprising in combination with an automobile body, brackets secured to the underside of said body, brake beams pivotally secured to said brackets, brake rods secured to said brake beams, means for operating said brake rods, a brake block carried by the brake beams, and a pneumatic brake shoe and means whereby said brake shoe is secured to the brake block by the inflation of said shoe.

1,504,369. HEATER. JOHN W. NEUMANN, St. Louis, Mo. Filed July 25, 1917. Serial No. 182,601. 6 Claims. (Cl. 126—85.)



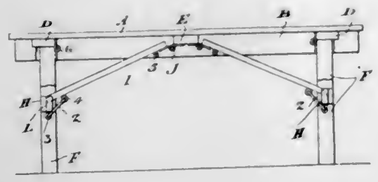
1. In a gas heat radiator, a hollow shell having a gas burner therein, an exhaust duct in said shell, said duct having its intake end in the zone of lowest temperature and extending through the zone of highest temperature, and a condenser outside of said shell and connected to the outlet end of said exhaust duct, said condenser having a vent opening and an air inlet, the vent opening being uppermost.

1,504,370. FRUIT-DELIVERING APPARATUS FOR PEELING MACHINES. HUGH F. OPPERMAN, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, New York, N. Y., a Corporation of New York. Filed May 5, 1924. Serial No. 711,183. 6 Claims. (Cl. 146—6.)



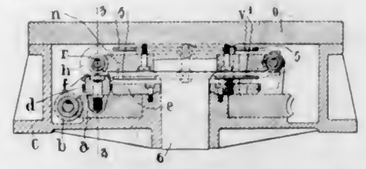
1. In apparatus to cooperate with a fruit peeling machine and a plurality of fruit trimming machines, the combination of guiding means for receiving the fruit from the peeling machine, and having branches adapted to lead to different trimming machines, respectively, and automatic means for guiding the fruit into the different branches successively.

1,504,371. COLLAPSIBLE TABLE. THOMAS JOSEPH ORMEROD, Toronto, Ontario, Canada, assignor of one-half to Walter Clark, Toronto, Ontario, Canada. Filed Feb. 8, 1924. Serial No. 691,469. 1 Claim. (Cl. 45—11.)



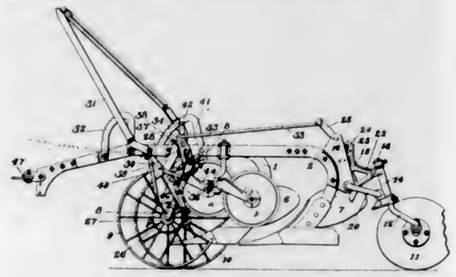
In a table of the character set forth having a top covering provided on its underside near each end with a transverse horizontal bar: a pair of tied legs hinged to each of the said horizontal bars so as to be moved inwardly towards the middle of the table when collapsed; a tie bar for each pair of legs substantially midway the length thereof; a middle horizontal transverse bar carried by the underside of said table covering; a strut hinged to each side of said middle horizontal bar and adapted to rest in contact each with its associated tie bar when the table is set up; coupling means carried by each of the said tie bars; coupling elements permanently coupled to each of the said struts near the lower and upper ends thereof; when the table is to be collapsed said coupling means being uncoupled from the coupling elements carried by the lower ends of said struts so as to permit of the disengaging of these lower ends with their associated tie bars, and the location of these struts between the top of the table and said tie bars when said legs are closed, the said coupling means being then coupled to the coupling elements carried by the upper ends of said struts to hold the various parts of the table rigidly in collapsed position, as set forth.

1,504,372. GEAR-CUTTING MACHINE. CHARLES ALGERNON PARSONS and STANLEY SMITH COOK, Newcastle-on-Tyne, England; said Cook assignor to said Parsons. Filed June 7, 1923. Serial No. 644,016. 11 Claims. (Cl. 90—4.)



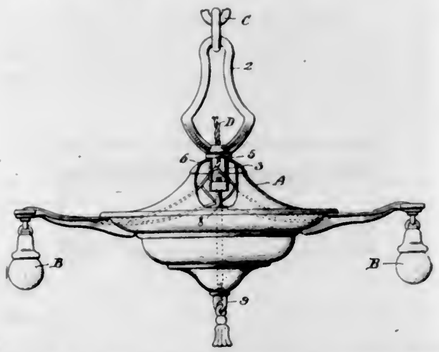
1. In a gear-cutting machine of the creep type, the combination of a plurality of creep-producing gear trains in parallel, together with means for equalizing the action of said trains, as set forth.

1,504,373. ROCKING COLTER. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Feb. 24, 1921. Serial No. 447,398. 5 Claims. (Cl. 97—72.)



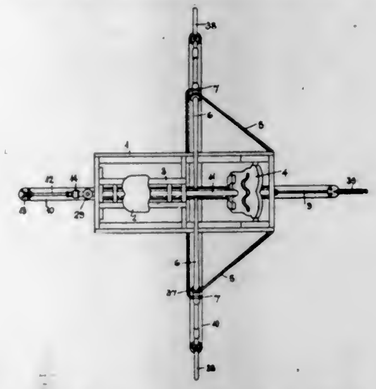
1. In a wheeled plow including a frame and a landwheel and a furrowwheel movable downwardly and rearwardly relative to the plow frame to raise the plow by the traction power of one of said wheels, the combination therewith of a rolling colter pivotally supported on the frame and adapted to be swung rearwardly and upwardly simultaneously with the downward and rearward movement of the wheels.

1,504,374. COMBINATION HICKEY LOOP. PAUL J. PFEIFER, Cleveland, Ohio, assignor to The Virden Company, Cleveland, Ohio. Filed Nov. 15, 1922. Serial No. 601,060. 3 Claims. (Cl. 240—78.)



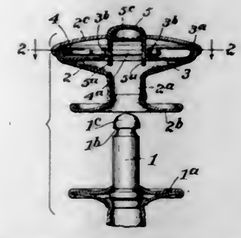
1. As an article of manufacture, a unitary fixture supporting member comprising an annular boss, a loop, and a hickey; the loop being integral with one side of the boss, and the hickey comprising arms extending from the other side of the boss and a connecting member having threaded supporting means, the hickey being of smaller diameter than the boss to provide a shoulder at their junction.

1,504,375. SCULLING MACHINE. HARRY PHILLIPS, London, England, assignor to Dental Manufacturing Company, Limited, London, England. Filed Nov. 10, 1922. Serial No. 600,141. 11 Claims. (Cl. 46—69.)



1. A sculling machine comprising a base, a frame slidably mounted thereon, a footboard, and outriggers carried in said frame, a seat slidably mounted on said frame so as to move along said frame during the forward movement of the latter, scull members pivoted on the outriggers, the outer ends of the scull members sliding in fulcrum members attached to the base, and means whereby said fulcrum members are adapted to move vertically and rotate about vertical and horizontal axes.

1,504,376. SEPARABLE BUTTON. JOHN V. PILCHER and JOHN F. BABBITT, Louisville, Ky., said Babbitt assignor to said Pilcher. Filed Aug. 13, 1923. Serial No. 657,092. 8 Claims. (Cl. 24—110.)

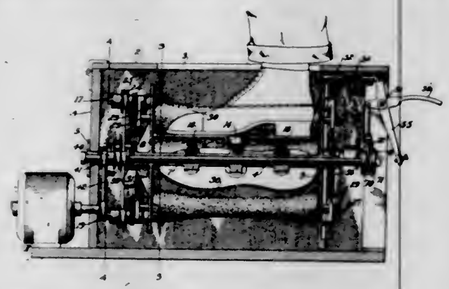


1. A button of the separable type, having a recessed stud, a circular socket member to receive the stud, a spring catch comprising a semi-circular spring portion terminating in approximately parallel portions to engage said stud, and a push piece having a wedge-shaped portion acting parallel to the axis of the stud and lying between said parallel portions.

1,504,377. SHOE CLEANING AND POLISHING MACHINE. HAROLD PLUMMER, Oakland, Calif. Filed Feb. 16, 1921. Serial No. 445,429. 16 Claims. (Cl. 15—34.)

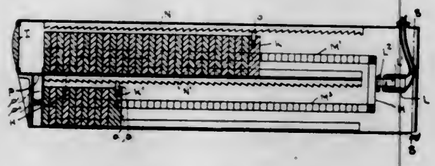
1. In a machine of the character described a casing, a shaft extending longitudinally therethrough, a pair of interspaced head members mounted on the shaft, a plu-

rality of pairs of cooperating brushes supported by said head members, an opening being formed in the casing,



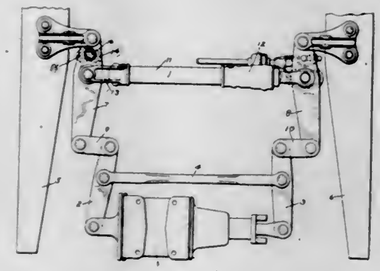
and means for imparting a turning movement to the head members to bring the brushes successively into alignment with the opening.

1,504,378. AUTOMATIC STREET INDICATOR FOR RAILWAY CARS. ESTLE DEE PLYLEY, Detroit, Mich. Filed Sept. 1, 1922. Serial No. 585,751. 8 Claims. (Cl. 40—50.)



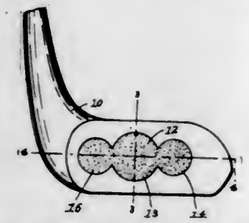
1. In a street indicator, the combination with a holder for a series of cards, of a follower slidably arranged in said holder, stationary ratchet bars having teeth facing in one direction, movable ratchet bars having oppositely facing teeth, dogs upon said follower engaging the respective ratchet bars, means for reciprocating said movable ratchet bars to advance said follower and the series of cards step by step and means operating after each advancement for removing a card from said holder.

1,504,379. SLACK ADJUSTER. JOHN E. REDFORD, Kinloch Park, Mo., assignor to The American Brake Company, St. Louis, Mo., a Corporation of Missouri. Filed June 14, 1922. Serial No. 568,097. 5 Claims. (Cl. 188—198.)



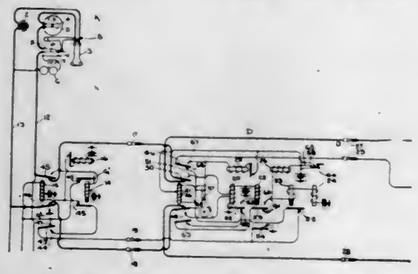
3. The combination with a brake rigging including brake levers and an automatic slack adjuster associated with the brake rigging and operated according to the angularity of the brake levers for taking up slack, of an adjustable frictional resistance device for opposing the free movement of the brake levers.

1,504,380. GOLF CLUB AND METHOD OF MAKING THE SAME. GEORGE W. REITENOUR, Union City, Ind. Filed May 8, 1922. Serial No. 559,369. 5 Claims. (Cl. 46—4.)



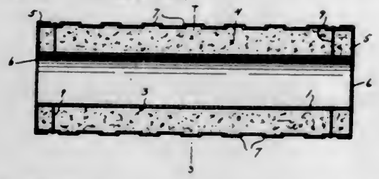
1. A double faced symmetrical golf club having a metal plate sunk in and flush with each face, each plate having the shape of a plurality of overlapping circles, and the centers of the circles of the plates being connected by pins.

1,504,381. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1918, Serial No. 215,236. Renewed Apr. 12, 1923. 13 Claims. (Cl. 179—18.)



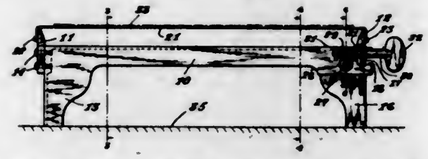
1. In a telephone system, an automatic switch, a rotary magnet for said switch, a differential relay therefor, a circuit for said rotary magnet controlled by said differential relay, means for closing a circuit for said differential relay and said rotary magnet to start the operation of said switch, means for substituting a second circuit for said differential relay and said rotary magnet to continue the operation of said switch, said differential relay adapted to remain deenergized during the operation of said switch, and means for energizing said differential relay to open said last mentioned circuit when the operation is completed.

1,504,382. DIFFUSING APPLIANCE. GEORGE J. RILEY, Manly, Iowa, assignor of one-fourth to Ernest J. Peterson, Manly, Iowa; one-fourth to William I. Keller, Stillwater, Minn.; and one-fourth to Edward C. Reindl, Manly, Iowa. Filed May 29, 1923. Serial No. 642,244. 8 Claims. (Cl. 299—24.)



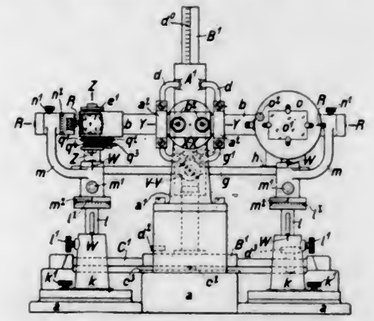
1. A diffusing appliance adapted to serve as a mandrel for a paper roll or the like comprising two members one disposed within the other and spaced therefrom, a filler of fuming material within such space, the peripheral wall of the outer member being perforated and also provided with protuberances.

1,504,383. NOODLE-FORMING MACHINE. ANTON RUGGIERO, Seattle, Wash. Filed Jan. 25, 1922. Serial No. 531,577. 2 Claims. (Cl. 107—20.)



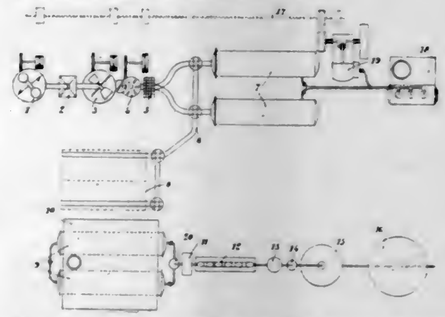
2. In a noodle forming machine, in combination, a frame comprising side members disposed in spaced parallel relation having supporting integral legs formed upon one end thereof and having slotted guideways formed within the opposite end thereof, a detachably secured transverse bar disposed upon the said first named end, an adjustably mounted transverse bar disposed upon the said opposite end having the ends thereof disposed within said guideways, supporting legs removably secured upon said adjustably mounted transverse bar adapted to be guided for longitudinal sliding movement upon the inner faces of said side members, a plurality of cutting strands adapted to be secured at the ends thereof to said transverse bars, inwardly projecting integral rack portions on said adjustably mounted bar adapted to be slidably mounted upon the inner faces of said side members, shafts journalled in said side members, pinions rigidly secured upon the inner ends of said shaft adapted to mesh with said racks, worm wheels rigidly secured upon the outer ends of said shafts, worms meshing with said worm wheels, and manually operable stems rotatively mounted upon the outer faces of said side members adapted to be rigidly secured to said worms and to regulate the tension of said cutting strands.

1,504,384. COPYING DEVICE. FRIEDRICH SCHNEIDER, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,133. 2 Claims. (Cl. 33—20.)



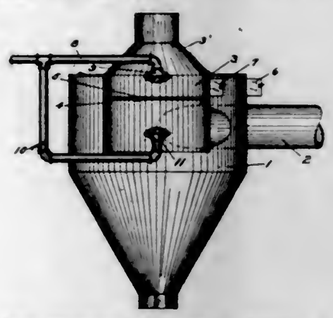
1. In a device for copying from a pair of photograms a copying system containing a member movable in any desired direction and a copying tool movable at least in a plane, coupling means between the movable member and the copying tool, a measuring system, a binocular telescope-forming part of this system and comprising a reflector system rotatably disposed about an axis parallel to the base-line of the telescope and so arranged that the distance apart of the entrance axes of this telescope is a multiple of the interocular distance, the foremost reflectors of this reflector system being constructed in such a way as to act partly reflecting, partly transmitting the light and being rotatably disposed each about an axis perpendicular to their chief reflecting plane, two links for connecting this binocular telescope with the said member of the copying system, each of these two links being rotatably disposed on the said members about a point and being further disposed on the said telescope rotatably about an axis parallel to the axes of rotation of the said two foremost reflectors, means for coupling each of the said two links to one of the said two foremost reflectors, these means being adapted to impart to the reflector a rotation by half the amount of rotation of the respective link, two objectives, each of which being disposed universally adjustable in front of one of the said two foremost reflectors, means for coupling each of the said photograms with the respective objective in such a manner that a displacement of the latter results in a similar displacement of the photogram, and two collimators, each of which consists of a lens and a sighting mark and is firmly connected with one of the said two links in such a manner that its optical axis is parallel to that of the link and that its lens faces the respective foremost reflector.

1,504,385. METHOD FOR DISTILLING AND GASIFYING PEAT AND LIKE SUBSTANCES. ADOLPHE ANTOINE FRANÇOIS MARIUS SEIGLE, Paris, France. Filed July 16, 1920. Serial No. 396,768. 4 Claims. (Cl. 222—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A process for utilizing peat for the production of gas and plastic material, which consists in preparing agglomerates with a pulp of peat and substances suitable for the production of a good quality of hydraulic lime, treating the said agglomerates in a digester by means of saturated steam under pressure for the purpose of hardening said agglomerates by producing crystals of hydrosilicate of calcium, then heating the agglomerates in the first place at a slow rate up to a maximum of 550° C. and recovering the distilled products, and finally heating between 1000° and 1200° C. to complete the gas production and the calcination according to the desired production of hydraulic lime.

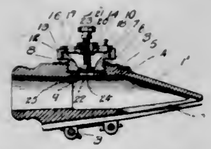
1,504,386. DUST COLLECTOR. WILLIAM B. SENSEMAN, Denver, Colo. Filed Apr. 20, 1921. Serial No. 462,786. 3 Claims. (Cl. 183—30.)



1. A dust collector comprising a housing to receive dust-ladened air, a supply pipe connected tangentially therewith, whereby to discharge said dust-ladened air tangentially into said housing to cause a whirling action,

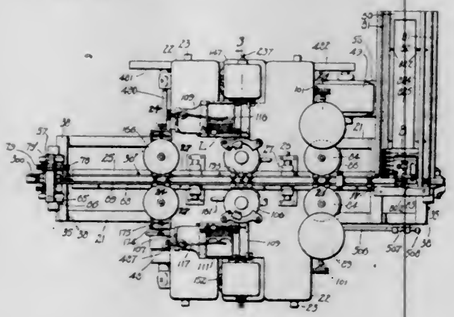
a member with small holes therethrough mounted across the inside of said housing, and means within said housing for continuously spraying said member during the operation of said device, whereby to maintain a film of water over the holes in said member, for the purpose described.

1,504,387. TONE MODIFIER. FREDERICK E. SHANE, Kansas City, Mo. Filed Apr. 2, 1923. Serial No. 629,351. 3 Claims. (Cl. 84—283.)



3. A mouthpiece for musical instruments having a transverse opening and a recess surrounding the opening to provide a diaphragm seat, a diaphragm in the seat, a collar in the recess for clamping the diaphragm on the seat, a removable cap on the collar, a bushing projecting through the cap, a rotatable perforate disk having openings adapted to be brought into and out of register with corresponding openings in the cap, and a mute-carrying stem longitudinally adjustable in the bushing.

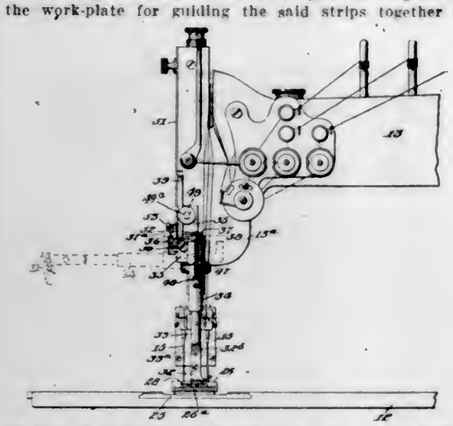
1,504,388. LABELING MACHINE. FREDERICK L. SHELOR, Petersburg, Va., assignor to International Filler Corporation, Petersburg, Va., a Corporation of Virginia. Filed Aug. 4, 1920. Serial No. 401,104. 49 Claims. (Cl. 216—55.)



1. In a machine of the character described, a magazine for objects having a longitudinal opening, conveying means working past one end of the magazine, a frame, supporting rods carried by the frame below the magazine parallel therewith, an endless belt having its upper run working within said opening for advancing the objects to the conveying means, pulley wheels around which said belt passes, label applying means cooperable with the objects conveyed, and brackets supporting said magazine and pulley wheels mounted adjustably on said rods.

1,504,389. SEWING-MACHINE GUIDING ATTACHMENT. GEORGE W. SPALDING, Worcester, Mass., assignor to Royal Worcester Corset Company, a Corporation of Massachusetts. Filed Mar. 8, 1923. Serial No. 623,654. 9 Claims. (Cl. 112—147.)

1. A sewing machine attachment apparatus, comprising a double folder and guide adapted to be supported on the work-plate of the machine and constructed to guide a strip of fabric and fold in the opposite edges thereof upwardly, said folder and guide having a strip-guiding slot arranged to guide a second strip of fabric above said first-named strip and dispose said last-named strip between the infolded edges of said first-named strip, a second guide on the work-plate for guiding the said strips together to



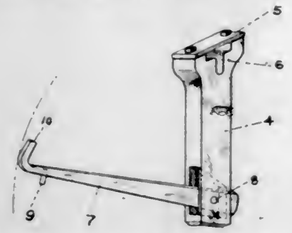
the needles of the machine, and a lap-seam guide adapted to be supported above the machine work-plate and over said last-named guide.

1,504,390. BOWLING ALLEY. EDGAR MCCLELLAN STEIGLEMAN, Highspire, Pa. Filed May 14, 1921. Serial No. 469,587. 3 Claims. (Cl. 46—61.)



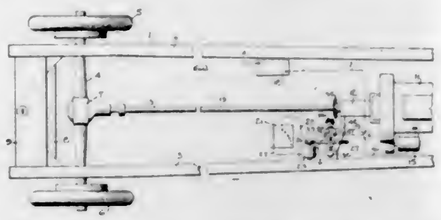
1. A bowling device comprising a playing alley, a bar transversely mounted over said playing alley, pins hingedly connected to said bar, and elastic resilient members for each of said pins, each of said members being connected at its ends to a pin on opposite sides of the hinge axis of its pin so that the same may engage said bar opposite to the hinge connection of its pin therewith to hold the same under tension.

1,504,391. CLUTCH-PEDAL DETENT FOR TRACTORS. LINUS STOFFERSEN, Seattle, Wash. Filed Nov. 11, 1922. Serial No. 600,192. 1 Claim. (Cl. 74—81.)



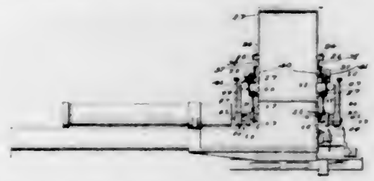
In a motor tractor having means, including a pulley, for communicating power to other mechanism, a clutch controlling pedal, and a foot bracket located adjacent the pedal, the combination of an elongated body portion having at one end a recess in form adapted to embrace said bracket, the other end adapted to extend, when in operative position, below the pulley, a clamp mounted to said recessed end, an arm pivotally connected with the other end of the body and adapted to idle below the pulley, and a hook at the free end of the arm, extending upwardly and approximately at right angles thereto, adapted to engage the pedal and maintain the clutch mechanism in released position.

1,504,392. AUTOMOBILE. JOSEPH STRAUSS, New York, N. Y., assignor to Abraham Kaplan, New York, N. Y. Filed Mar. 3, 1920. Serial No. 362,983. 2 Claims. (Cl. 290—9.)



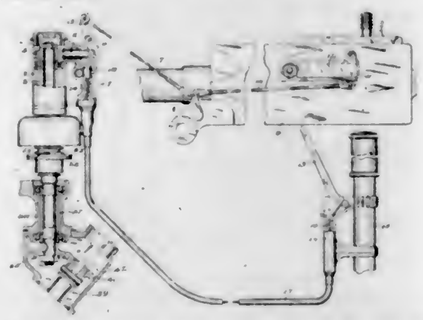
1. In an automobile in combination with the arrangement of motor, clutch, transmission, transmission shaft and differential to the rear axle, a motor, means for selectively connecting said motor to said transmission shaft to drive the same, or locking said shaft from rotation.

1,504,393. CARTRIDGE-FEEDING MECHANISM FOR AUTOMATIC GUNS. HARRY A. SUTTON and ALFRED V. VERVILLE, Dayton, Ohio. Filed Aug. 1, 1921. Serial No. 488,940. 6 Claims. (Cl. 89—33.)



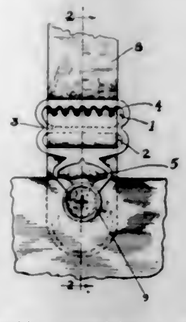
1. In a cartridge feeding mechanism for guns, a guide leading to the gun chamber, a plurality of magazines adapted to move along the guide, each magazine being adapted to feed successively into the chamber while the magazine is in discharging position adjacent to the chamber, and clutch means for automatically moving the magazines along the guide and bringing them successively into discharging position as each magazine discharges its last cartridge.

1,504,394. SYNCHRONIZING GUN CONTROL. HARRY A. SUTTON and CHARLES L. PAULUS, Dayton, Ohio. Filed Apr. 30, 1923. Serial No. 635,611. 4 Claims. (Cl. 89—27.)



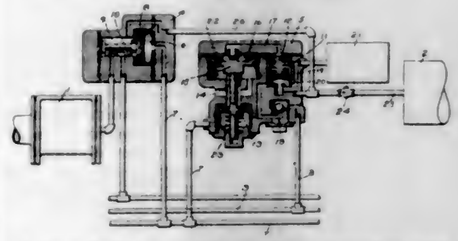
1. In synchronizing gun control, rotary impulse generator shaft embodying terminally inter-fitting sections having reversely inclined cam ways, and a centrifugally controlled member engaging said cam ways to vary the relationship between said sections.

1,504,395. BUCKLE. SALVATORE A. TENUTA, Chicago, Ill. Filed June 9, 1922. Serial No. 566,942. 1 Claim. (Cl. 24—245.)



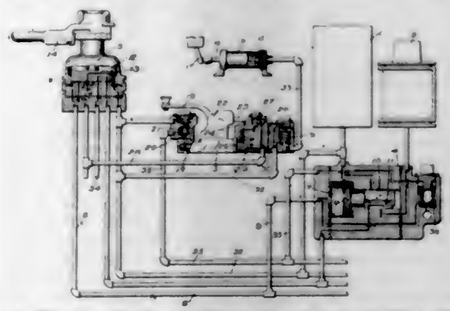
A suspender buckle, comprising a member having a pair of adjacent transverse slots, the upper wall of one slot having tangs, the lower end of said buckle having an opening enlarged at its upper end for receiving a button in tilted position, said opening merging into a smaller lower opening having a constricted throat.

1,504,396. FLUID-PRESSURE BRAKE. FRANK B. THOMAS, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,230. 4 Claims. (Cl. 303—63.)



1. In a fluid pressure brake, the combination with a source of fluid under pressure and a brake pipe, of a valve device operated by fluid under pressure for venting fluid from the brake pipe and means operated upon a predetermined reduction in pressure of said source of fluid pressure for supplying fluid to said valve device.

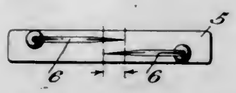
1,504,397. SAFETY CAR-CONTROL DEVICE. FRANK B. THOMAS, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1923. Serial No. 664,231. 8 Claims. (Cl. 303—6.)



1. The combination with means for controlling the power circuit of the car motors, of means for controlling the car doors and means operated upon operation of said

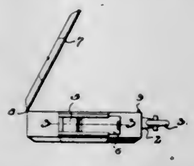
car door controlling means to open the car doors for effecting the operation of said power circuit controlling means to open the power circuit.

1,504,398. COMBINED FASTENING AND ATTACHING DEVICE. ALBIN LEE THORNTON, El Paso, Tex. Filed Nov. 24, 1923. Serial No. 676,809. 6 Claims. (Cl. 24—87.)



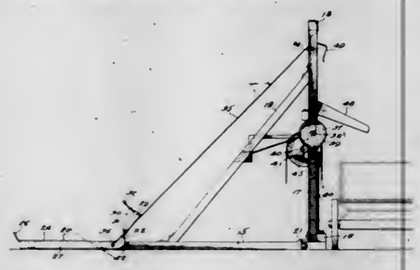
2. A device of the character specified comprising a body, and pins secured to the end portions of the body extended into overlapping relation, said pins being rigidly mounted and arranged at opposite sides of a longitudinal center of the object, so that the object is held in a predetermined position.

1,504,399. POCKET CONTAINER FOR SMOKERS' REFUSE. GOODWIN THORTVEDT, Glyndon, Minn. Filed Apr. 18, 1922. Serial No. 554,451. 1 Claim. (Cl. 206—37.)



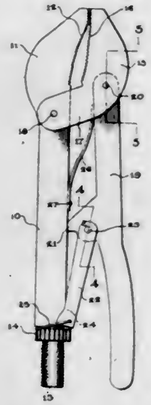
A pocket container for smoker's refuse comprising a hollow body open at one side and having a hopper-shaped edge wall portion and an opening therein, a movable stem carried by said body, a catch also carried by the body and associated with and movable by the stem, and a lid hingedly connected to the body and arranged to be engaged by the said catch and also arranged when released from the catch to spring open; the said body being also characterized by a movable knife member guided on the edge wall of the body and adapted in one position to close the said opening therein.

1,504,400. LOADING MACHINE. LEVI THORTVEDT, Glyndon, Minn. Filed May 22, 1922. Serial No. 562,741. 2 Claims. (Cl. 214—130.)



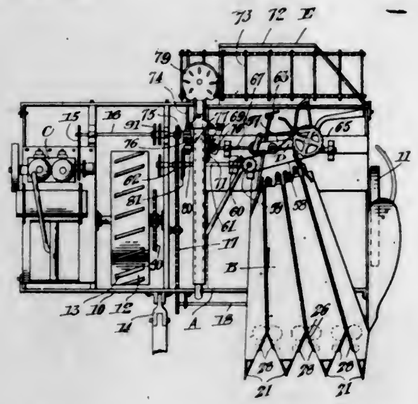
1. A hoisting mechanism comprising a stationary frame including ground sills, uprights and braces secured thereto, a movable frame straddling said stationary frame and pivoted thereto at the lower end thereof, a receiver formed as an elongated bottom member mounted on the movable frame and having upturned ends, and further having hinged side plates adapted to lie on the ground to constitute approach members for the receiver, a mechanism mounted on said uprights, and flexible members forming part of the winding mechanism trained over guide pulleys on the stationary frame and connected with said hinged side plates whereby initial lifting movement of the movable frame will swing said side plates into vertical position defining sides for said receiver, a chute pivoted on the end of said bottom member nearest the uprights, and a gate pivoted on said chute.

1,504,401. COMBINED PLIERS AND WRENCH. WILLIAM C. TULL and ROY J. BRISTOL, Stanton, Nebr. Filed Mar. 30, 1923. Serial No. 628,824. 3 Claims. (Cl. 81—84.)



1. A tool of the character described comprising a relatively stationary handle terminating at one end in a fixed jaw, a curved relatively movable jaw co-operating with said fixed jaw and terminating in arms straddling and pivoted upon said handle near the first named jaw, a relatively movable handle pivotally connected with the intermediate portion of said movable jaw, a link pivotally connected at one end with the intermediate portion of the relatively movable handle, and an abutment member movable on the first named handle and against which the other end of said link engages.

1,504,402. CONVEYING AND BINDING MECHANISM FOR FLAX-PULLING MACHINES. CHARLES HENRI VESSOT and CHARLES ULYSSES VESSOT, Ottawa, and GEORGE ALVIN PILKEY, Corunna, Ontario, Canada. Filed Mar. 24, 1922. Serial No. 546,489. 10 Claims. (Cl. 55—66.)



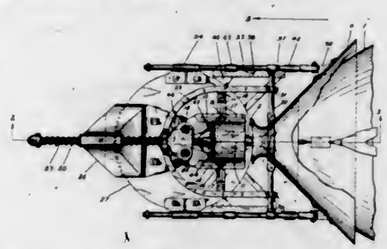
1. A flax pulling machine comprising contacting pulling belts adapted to lift the flax plants vertically, said belts converging towards each other at the rear end, vertically disposed binding mechanism adapted to bind the flax plants into shocks while in a vertical position, and means for supporting the shocks while in such vertical position.

2. A flax pulling machine comprising contacting pulley belts adapted to lift the flax plants vertically, said belts converging towards each other at the rear end, vertically disposed binding mechanism adapted to bind the flax plants into shocks while in a vertical position, means for supporting the shocks while in such vertical position, and a horizontal conveyer adapted to convey the shocks away from the binding mechanism.

4. In a flax puller, in combination, a flax pulling belt, vertically arranged binding mechanism adapted to bind the flax plants into shocks while in a vertical position, a horizontally extending conveyer adapted to receive the shocks from the binding mechanism, the said conveyer comprising a platform and endless chains formed with connecting slats adapted to move over the platform.

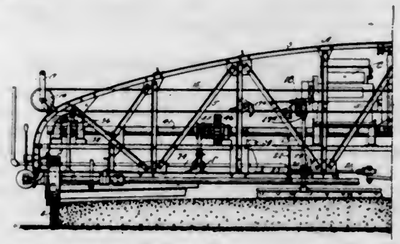
7. In a flax puller, in combination, converging flax pulling belts, vertically arranged binder decks adapted to engage the flax plants when they come from the flax pulling belts, packer arms and knotting mechanism arranged co-operatively with the binder decks and adapted to bind the flax plants into shocks.

1,504,403. AIRSHIP-MOORING DEVICE. STEPHEN R. WARREN, Dayton, Ohio. Filed Oct. 31, 1922. Serial No. 598,137. 2 Claims. (Cl. 244—2.)



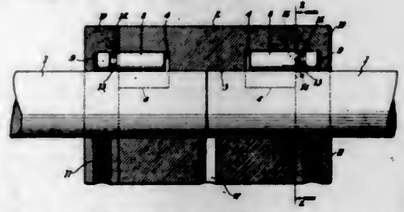
1. In combination, a device for mooring airships, a coupling stud provided with an enlarged head and mounted on the nose of said airship, coupling blocks mounted on a mooring mast and adapted to receive said coupling stud, means for automatically clamping and retaining said coupling stud in said coupling blocks when forced therein, and manual means for disengaging said coupling blocks from said coupling stud to allow the removal of said airship from said mooring mast, said manual disengaging means comprising hinged members connected to said coupling blocks and to a shaft supported by the mast supporting structure said shaft being provided with shock absorbing means and carrying a fixed collar, a cable attached to said collar and arranged about a pulley, a pull on said cable by the operator being adapted to swing said coupling blocks open and out of engagement with said coupling stud.

1,504,404. PAVEMENT-FINISHING MACHINE. GEORGE E. WEAD, Milwaukee, Wis., assignor to Koehring Company, Milwauke, Wis., a Corporation. Filed Feb. 14, 1922. Serial No. 536,529. 36 Claims. (Cl. 94—48.)



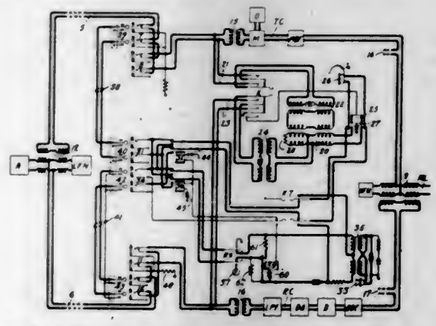
1. In a concrete finishing machine of the class described, the combination of a pressure apron adapted to be disposed over the road surface, means for subjecting said apron to pressure throughout its whole area at one time and while the apron is in contact with concrete aggregates, and means for vibrating the apron while subjected to such pressure.

1,504,405. SAFETY SHAFT COUPLING. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 18, 1922. Serial No. 544,716. 7 Claims. (Cl. 64—89.)



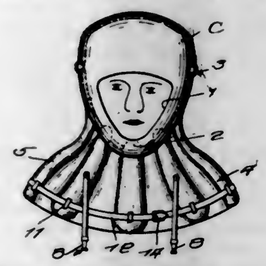
1. In a coupling device, a body-member having a shaft aperture and a clutch-roll chamber adjacent said shaft aperture, said chamber having an eccentric wall, a clutch-roll disposed in said chamber and projecting outwardly beyond the end of said body-member, and means external to said body-member for connecting said clutch-roll to rotate with a shaft-section in contact with the latter.

1,504,406. SIGNALING SYSTEM. CHARLES WHITE, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1921. Serial No. 466,932. 37 Claims. (Cl. 179—46.)



2. In a telephone system, a four-wire line, a telephone receiver, a conjugate transformer, a relay to connect said receiver to said conjugate transformer, and a key to connect the conjugate transformer to the four-wire line.

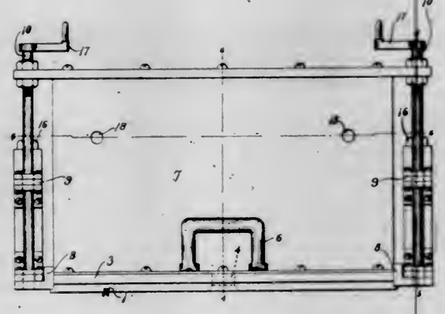
1,504,407. BATHER'S LIFE PROTECTOR. JAMES R. WILLIAMS, Cleveland, Ohio. Filed July 11, 1923. Serial No. 650,887. 2 Claims. (Cl. 9—20.)



1. A device of the class described comprising a cap like structure having a cut out portion for the accommodation of the wearer's face, a cape depending from the

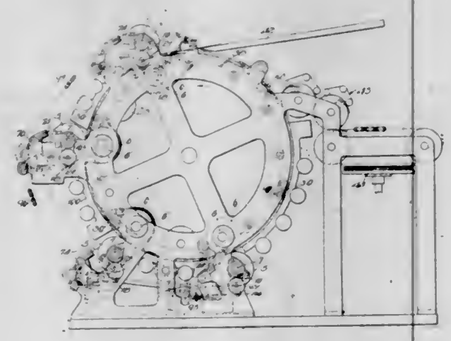
cap like structure, said cape being provided with a plurality of inflatable pockets, said pockets being divided into series, tubes connecting the pockets of one series with the pockets of a second series, said tubes being disposed upwardly of the cap like structure and across the top or crown thereof, and means for inflating each series of pockets.

1,504,408. STRAIGHTEDGE MACHINE. HENRY F. WOERTH, Columbus, Nebr. Filed Oct. 6, 1922. Serial No. 592,904. 2 Claims. (Cl. 94—45.)



1. A straight edge machine comprising a base, a supporting plate rotatably mounted thereon, a casing carried by the supporting plate, rods at the ends of the casing, a frame slidably mounted on each pair of rods and manually operated means for adjusting the frames vertically.

1,504,409. PRINTING MACHINE. JOHN C. YETTER, Chicago, and OTTO R. WOLF, River Forest, Ill. Filed Sept. 23, 1920. Serial No. 412,263. 3 Claims. (Cl. 101—152.)



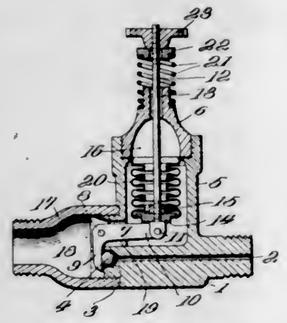
3. In a printing machine, a rotatable cylindrical structure provided with a plurality of sets of sheet gripping devices spaced around same, a plurality of pairs of impression rolls positioned around said structure in relatively fixed positions, one of each pair outside said structure and the other of each pair within the structure, a supporting roller between each pair of printing rollers arranged within the periphery of the cylindrical structure, said supporting roller having a depression permitting the passage of the gripping device.

1,504,410. HAT OR NAPKIN HOLDER. JOHN H. E. ZEIP, St. Louis, Mo. Filed Mar. 22, 1924. Serial No. 701,047. 1 Claim. (Cl. 24—81.)



A device of the kind described, comprising two clamps having their jaws curled inwardly, one of the jaws having a laterally disposed ear pierced with an eye, and the other jaw having an eye pierced through the end of the handle; and a chain connecting the two clamps through the said eyes thereof.

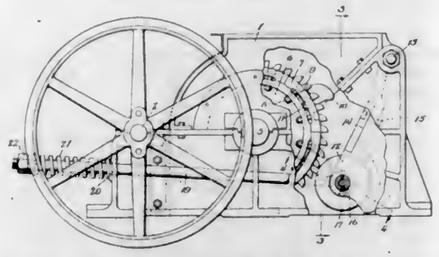
1,504,411. EXPANSION VALVE FOR REFRIGERATING SYSTEMS. CARL E. ANDERSON, Maywood, Ill. Filed May 19, 1920. Serial No. 382,469. 3 Claims. (Cl. 50—26.)



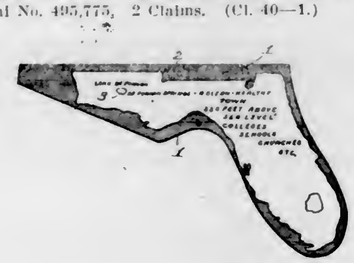
2. An expansion valve for refrigerating systems comprising a casing having a receiving chamber therein adapted to be attached to the vacuum side of the system, said casing having a passage leading to the chamber and adapted to be connected to the pressure side of the system, whereby cooling fluid is delivered to said receiving chamber, a ball valve for controlling said passage, a second chamber separated from and connected to said receiving chamber, an expansible element located in said second chamber and subject to the pressure in said vacuum chamber, an elbow lever extending from said second chamber into the receiving chamber for actuating the ball-valve, said lever being connected to said expansible element.

1,504,412. CRUSHING MACHINE. CARL T. ANDERSON, Elmhurst, Ill., assignor to Webster Mfg. Company, Chicago, Ill., a Corporation of Ohio. Filed Jan. 7, 1922. Serial No. 527,802. 21 Claims. (Cl. 83—14.)

1. In a crusher, the combination of a roll, a breaker plate disposed in operative relation to said roll, forming a hopper-like space with a discharge throat between the roll and the plate to receive the materials to be crushed, relatively short teeth on the roll, relatively long teeth on said roll, with said plate set back far enough from the roll to clear said long teeth, thus widening said throat to prevent the long teeth from passing through the face of the plate, and movable means projecting outward from said plate and between said long teeth and into operative relation to the ends of said short teeth, forming a contraction of said throat, whereby to crush said materials in said space and discharge the product from said throat in the operation of the crusher.

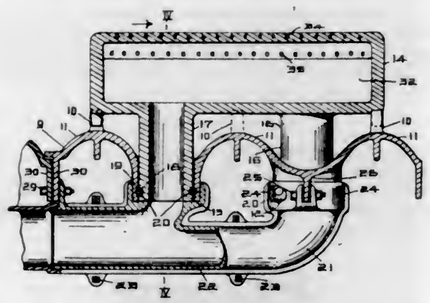


1,504,413. ADVERTISING DEVICE. LESTER HORTEN ATWELL, De Funiak Springs, Fla. Filed Aug. 26, 1921. Serial No. 495,775. 2 Claims. (Cl. 40—1.)



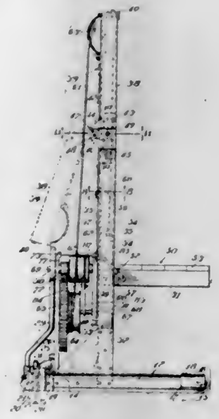
1. A new article of manufacture consisting of a plate having an outline approximating the outline of a geographical division and having upon its face an outline map of the same geographical division.

1,504,414. SMOKE CONSUMER. WILLIAM A. BAKER and FREDERICK A. RAMLER, Toledo, Ohio. Filed May 27, 1919. Serial No. 300,126. 5 Claims. (Cl. 110—75.)



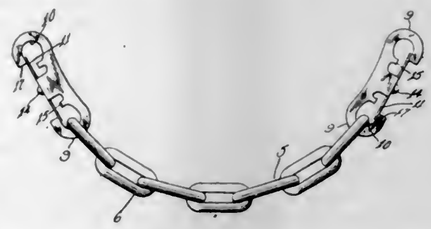
1. A furnace embodying a housing provided with a combustion chamber, there being a pair of openings into the furnace at said chamber and lugs projecting into the chamber from the housing adjacent said openings, of an auxiliary air supply device comprising an elongated chamber having air supply extensions protruding through said openings, eyes for engaging the lugs in sustaining the chamber of the device in the combustion chamber, and series of outlet holes variously directed from the device chamber into the combustion chamber.

1,504,415. PORTABLE ELEVATOR. ARTHUR M. BARRETT, Winnetka, and FRANK L. EIDMANN, Chicago, Ill., assignors to said Arthur M. Barrett. Filed Apr. 26, 1922. Serial No. 556,711. 23 Claims. (Cl. 187—11.)



5. In a portable elevator, the combination with a wheeled base, an elevator frame mounted thereon and a load-carrying platform guided by said frame, of a hoisting drum mounted on the base and operatively connected with said platform, variable speed mechanism for rotating said drum to lift the platform, a brake drum mounted coaxially with said shaft, a ratchet wheel mounted on and rotating with said shaft, a pawl carried by said brake drum and engaging said ratchet wheel, a brake cooperating with said brake drum, and a governor connected with said brake drum for controlling the descending speed of the platform.

1,504,416. EMERGENCY CHAIN FOR NONSKID TIRE CHAINS. JOSEPH R. BAUDE, Chicago, Ill. Filed Feb. 12, 1923. Serial No. 618,650. 1 Claim. (Cl. 24—233.)

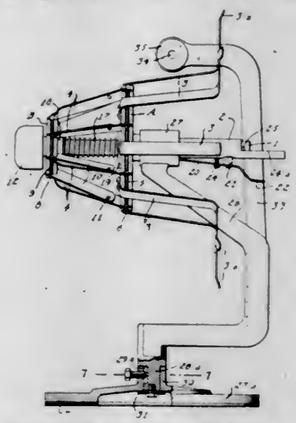


In a device of the type described, a hook comprising a body portion having two curved ends which provide link receiving recesses, said hook having a central portion, a leaf spring secured to said central portion and extending to the ends of said curved portions so as to normally close the recesses, and projections extending inwardly into said recesses, said projections aiding in carrying part of the force which may be exerted against said spring and also limiting the movement of said spring.

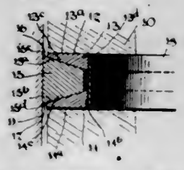
1,504,417. ROPE AND WIRE REEL APPARATUS. PATRICK D. BEAVERS, Washington, D. C. Filed Aug. 14, 1922. Serial No. 581,683. 12 Claims. (Cl. 242—111.)

6. A rope and wire reel apparatus of the character described comprising, a shaft, a housing through which

the shaft extends, a disc rotatably mounted on said shaft housing, spring arms carried by the disc with their extremities diverging outward, pivoted fingers on said disc and means for forcing same against a coil of wire positioned on the spring arms.

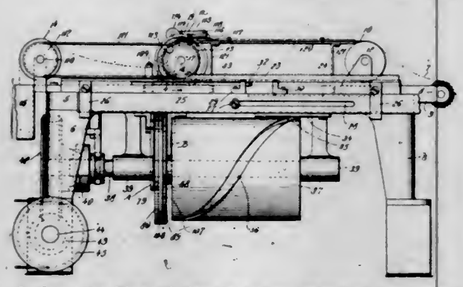


1,504,418. PISTON RING. MARCUS D. BELL, West Tulsa, Okla. Filed Nov. 9, 1922. Serial No. 599,898. 1 Claim. (Cl. 74—109.)



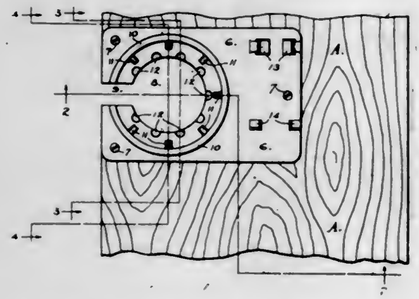
A piston packing comprising outer rings, an inner ring of greater diameter than the outer rings and arranged between the outer rings, the inner ring having a less longitudinal extent than the distance between the outermost faces of the outer rings whereby said inner rings and outer rings define oil receiving pockets providing oil seals, the contacting faces of the rings being inclined and a spring engageable with the outer rings and spaced from the inner ring for urging said rings into operative position and into packing relation with respect to each other.

1,504,419. MESH-MEASURING MACHINE. RICHARD HATLEY BERKLEY, Plainville, Mass., assignor, by mesne assignments, to Whiting & Davis Company, Plainville, Mass., a Corporation of Massachusetts. Filed Nov. 10, 1920. Serial No. 423,002. 29 Claims. (Cl. 33—131.)



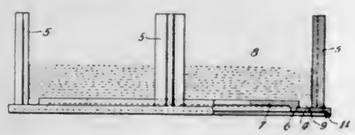
1. In a machine of the character described, the combination of a support for a piece of mesh of extended length, a member movable in contact with the mesh, and means actuated by movement of said member corresponding to a predetermined number of rows of links of the piece of mesh for acting upon the piece to indicate sections of the piece of predetermined length.

1,504,420. BENCH PLATE. EDWARD L. BINKLEY, Omaha, Nebr. Filed June 16, 1923. Serial No. 645,812. 2 Claims. (Cl. 29—89.)



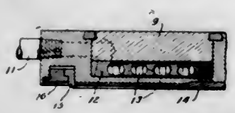
1. In a device of the class described, a plate having an annular upstanding flange, a series of tapering ribs extending radially inward from said flange, there being a large opening through the plate concentric with said flange and a slot from said opening to one edge of the plate, and a series of recesses formed in the face of the plate adjacent to said opening, for the purpose set forth.

1,504,421. TRAY FOR PHONOGRAPH RECORDS, ETC., JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 24, 1922. Serial No. 556,295. 3 Claims. (Cl. 211—14.)



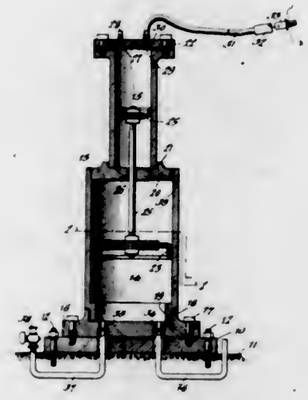
2. A phonograph-record tray comprising a base provided with a plurality of standards rising therefrom and disposed in a circular series, and a record-supporting seat carried by and elevated above the base and disposed within and spaced from the standards.

1,504,422. MOLDING DIE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 23, 1924. Serial No. 694,647. 5 Claims. (Cl. 18—5.3.)



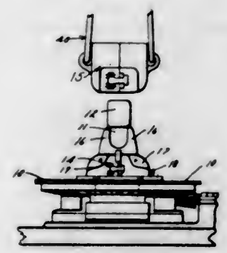
1. A molding die of the character described having a plurality of concentric channels and intermediate partitions, and a plug intersecting said channels and partitions and having diagonal channels therein connecting the ends of the concentric channels on one side of the plug with the other ends of said concentric channels on the other side of the plug.

1,504,423. LUBRICATING APPARATUS. HAROLD J. BONEBERG, Buffalo, N. Y. Filed Apr. 10, 1923. Serial No. 631,233. 1 Claim. (Cl. 221—74.)



A lubricating apparatus of the character described comprising a supporting base, a working cylinder mounted on said base, said cylinder being internally threaded at its upper end and provided at its lower end with an externally-threaded neck, a head for the lower end of said cylinder attached to the supporting base and having a threaded socket in its upper side for receiving the threaded neck of said cylinder, a supplemental cylinder closed at its upper end surmounting said main cylinder and forming a container for the lubricant, and intermediate head located between the opposing ends of said cylinders and engaging the threaded end of the main cylinder, said intermediate head having a socket in its upper side for receiving the lower end of said supplemental cylinder, pistons slidable in said cylinders, and a rod connecting said pistons and passing through an opening in the intermediate head, the closed upper end of said supplemental cylinder having a grease-filling opening and a grease-discharge opening, and the lower head of said main cylinder having an inlet for compressed air and an air outlet.

1,504,424. METHOD AND APPARATUS FOR HANDLING WELL CASINGS. CHARLES R. BROWN, Brea, Calif. Filed May 7, 1923. Serial No. 637,191. 19 Claims. (Cl. 294—92.)



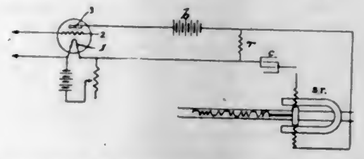
1. The hereindescribed method of handling a casing with a coupling on it including, holding the casing by engaging under the coupling at spaced points, and moving the casing by engaging under the coupling at points between those first mentioned.

1,504,425. TIE AND RAIL CONSTRUCTION. PERO S. BREICH, St. Louis, Mo., assignor of one-half to George Seper, St. Louis, Mo. Filed Apr. 5, 1924. Serial No. 704,361. 1 Claim. (Cl. 238—102.)



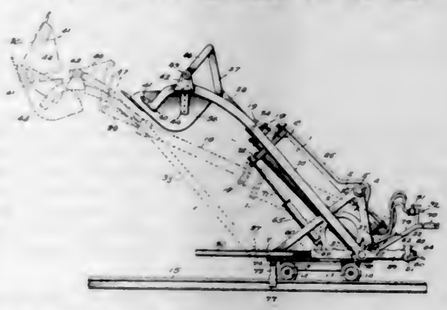
In combination with a tie having slots formed therein, a rail, locking blocks positioned in the slots in said tie, said rail positioned on said locking blocks in one of the slots in said tie, a key hole slot formed in each of said locking blocks of such shape that when a key is inserted in said key hole slot, it may be rotated to a position which will secure said blocks in frictional engagement with said tie and secure said rail in frictional engagement with said locking blocks.

1,504,426. WIRELESS TELEGRAPHY. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed July 7, 1919. Serial No. 309,136. 4 Claims. (Cl. 250—8.)



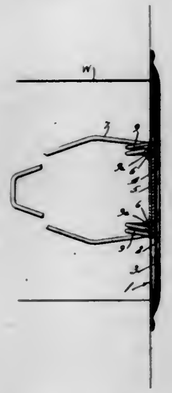
1. In a system for recording wireless signals consisting of trains of high frequency currents of long and short duration, a vacuum tube detector to change said high frequency trains of currents into uni-directional currents of the same duration, and a recording device having a movable coil and a movable tape, means for causing said coil to be operated in one direction at the beginning of the flow of said uni-directional currents and to be retained in said moved position during the continuance of said current and to move to zero position at the end of sad current flow, said coil being provided with a proper stylus which will mark the tape in the direction of its travel during the continuance of a train of wireless waves so that the signals may be read longitudinally of the moving tape, the long and short intervals representing dots and dashes.

1,504,427. MINE SHOVEL. ROBERT S. BUTLER, Joplin, Mo. Filed Oct. 11, 1920, Serial No. 416,175. Renewed June 20, 1924. 18 Claims. (Cl. 214—140.)



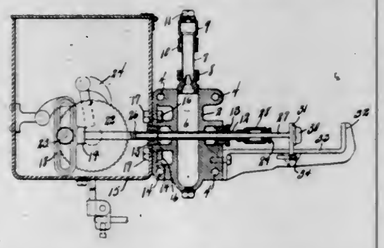
1. A mine shovel comprising a cylinder, a pair of pistons mounted therein, piston rods secured to each of said pistons, and a pivotally mounted shovel connected to one of said rods to control its forward and rearward movement, the other piston rod being connected to said shovel to swing it on its pivot.

1,504,428. FLUE STOPPER. OREN G. BYERS, Tulsa, Okla. Filed Apr. 21, 1923. Serial No. 633,748. 1 Claim. (Cl. 126—319.)



A combined flue closure and ventilator comprising an annular sheet metal plate having a foraminous covering secured to its inner face, a small metal plate attached to the rear face of said covering, another plate superposed on said first mentioned small plate and having spaced sockets, and substantially ball-shaped retainers having the legs thereof provided with spring coils and inserted in said sockets.

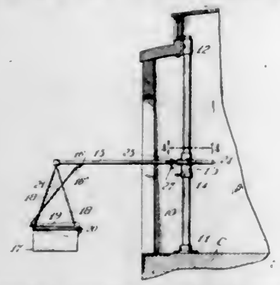
1,504,429. VALVELESS LUBRICATOR. AMOS H. CARSON, Fort Worth, Tex., assignor, by direct and mesne assignments, to The Valveless Lubricator Co., Fort Worth, Tex., a Corporation of Texas. Filed Dec. 30, 1922. Serial No. 609,800. 6 Claims. (Cl. 184—79.)



3. A lubricator for supplying the lubricant to a steam line comprising a supply reservoir, cooling means between said reservoir and the steam line consisting of a casing and a combined water reservoir and sight feed in communication with said casing and with said steam line, a hollow plunger reciprocating in said reservoir and to the point of discharge of the lubricant in said casing and provided with an inlet and discharge opening, a supplemental plunger mounted in said hollow plunger and moving therewith during a part of its travel and adapted to create a vacuum in said hollow plunger for causing an intake of lubricant on the inward thrust of said hollow plunger and adapted to discharge the lubricant from said hollow plunger on the outward thrust of said plungers, and stops for regulating the thrusts of said supplemental plunger.

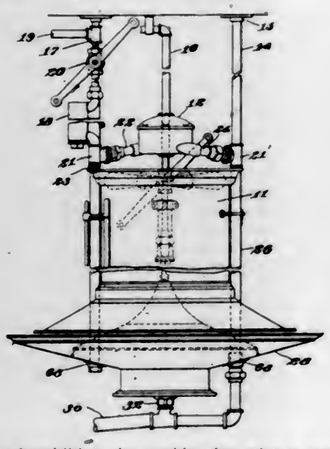
1,504,430. MAIL CATCHER. EMMA EVANS CLARK, Hammond, Ind. Filed July 5, 1923. Serial No. 649,769. 4 Claims. (Cl. 258—20.)

1. A receiver comprising a vertical shaft mounted in a car, rotatable arms supported on a collar secured to said shaft providing a self contained operating handle safety bar and receptacle rod, a receptacle secured to one of the arms a cover for said receptacle operated by



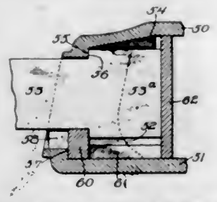
a flexible member connected thereto and passing through a central bore in one of said arms and means for limiting the angle of rotation of the receiver.

1,504,431. HUMIDIFIER. FRANK B. COMINS, Newton, and JOSEPH ARMSTRONG, Malden, Mass., assignors to American Moistening Company, Boston, Mass., a Corporation of Maine. Filed July 14, 1921. Serial No. 484,633. 7 Claims. (Cl. 261—115.)



1. In a humidifier, the combination with a water motor of a tubular hanger constituting both a support for the humidifier and a conduit for water passing through said motor.

1,504,432. DRAFT-GEAR YOKE. ROY J. COOK, Chicago, Ill., assignor to Keyoke Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 13, 1920. Serial No. 358,443. 1 Claim. (Cl. 213—70.)



In combination with a coupler having a straight bottom shank and a butt rearwardly thereof, a yoke having arms and side walls at the front thereof uniting said arms, a hooded end opening to permit the insertion of said coupler butt, said arms each having an inturned

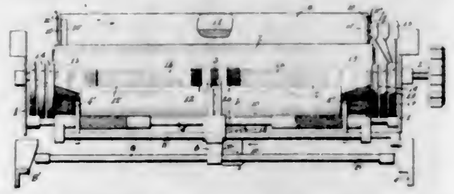
engageable flange at the front thereof, means carried by one of said arms rearwardly of said flange to contact and space said coupler butt from said arm, said hooded end being provided with inwardly projecting lugs, a removable block supporting the shank of said coupler and located between the butt of said coupler and the flange of the other of said arms, said block having a non-supporting portion located beneath said coupler butt, and a follower adjacent the end of said coupler butt, said portion of said block normally contacting with said follower block, the forward end of said block, normally contacting with said lugs.

1,504,433. NEEDLE SILENCER FOR TALKING MACHINES. MORITZ F. CORSWANDT, Chicago, Ill. Filed Apr. 18, 1924. Serial No. 707,491. 4 Claims. (Cl. 274—37.)



3. A device of the character described comprising a drum having a chamber, a yieldable tubular body extending through the chamber, there being means at the forward portion of the tubular body for engaging a reproducer needle, and means whereby the drum may be connected to the reproducer of a phonograph.

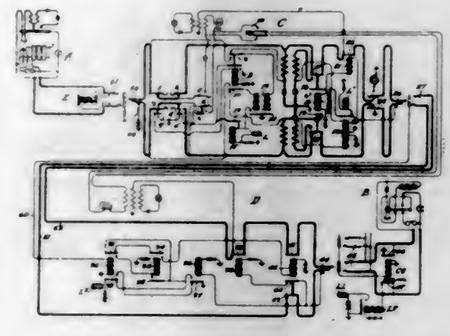
1,504,434. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. MALCOLM L. COSSITT, Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Oct. 3, 1923. Serial No. 666,289. 24 Claims. (Cl. 197—126.)



1. A manifolding attachment for typewriters, comprising a main paper guide apron adapted to direct a record sheet to and about the platen of the machine to present it in the line of type impact; a manifolding member; and a container adapted to house said manifolding member and present a section thereof in functional position in the line of type impact, said container lying in spaced relation to the main guide apron and forming a second guide apron for a second record sheet, with the exposed section of the manifolding member lying between the two record sheets, and said container being movably mounted to adapt it to vary the exposed section of its manifolding member, with relation to the line of type impact, while said section is in functional position.

1,504,435. TELEPHONE SYSTEM. HIRAM D. CURRIER, Chicago, and GEORGE R. EATON, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 28, 1921. Serial No. 448,387. 9 Claims. (Cl. 179—47.)

3. In a telephone system, an A board and a B board and a telephone line having terminals at the B board, said line connected to an operator's circuit at the A board through a plug and jack at said board and through a plug and jack at the B board, ringing means at the A board for signaling the subscriber on said line, and electrical switching means controllable by the operator



at the A board to make said line test idle at the B board while the plug at the B board continues in the jack.

1,504,436. SHAVING GAUGE. DEKRAN DAUGHLEY, Richmond, Va. Filed Oct. 16, 1923. Serial No. 668,803. 3 Claims. (Cl. 132—45.)



1. A shaving gauge consisting of a substantially flat and thin element adapted to embrace the ear and to lie against the side of the head, and having in its forward portion an edge to form a gauge to which the hair may be trimmed.

1,504,437. DYESTUFFS, PROCESS OF MAKING SAME, AND THEIR APPLICATION. GUILLAUME DE MONTMOLLIN and GERALD RONHÔTE, Basel, Switzerland, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 24, 1923. Serial No. 653,548. 8 Claims. (Cl. 260—80.)

6. The herein described new azo-dyestuffs corresponding with the general formula:

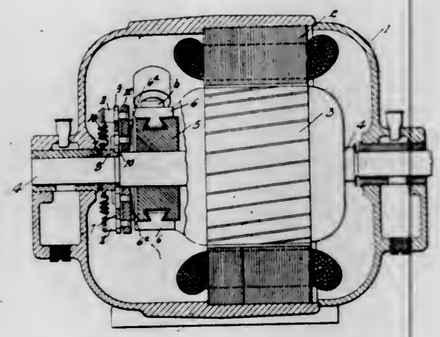
$$R_1—N=N—R_2$$

wherein R_1 represents an unsulfonated aromatic nucleus that carries a group —OR (wherein R represents an aryl residue) in ortho-position with regard to the diazo group and which may bear other substituents, and R_2 the radical of an arylide of the 2-oxynaphthalene-3-carboxylic acid, which compounds are in a dry state red powders insoluble in water.

1,504,438. SHORT-CIRCUITING DEVICE FOR MOTORS. CHARLES P. EISENHAUER, Dayton, Ohio, assignor to The Duro Pump & Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 25, 1921. Serial No. 495,393. 5 Claims. (Cl. 172—279.)

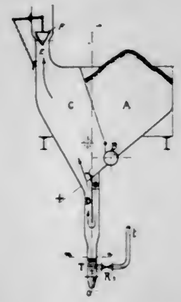
1. In a motor of the character described, the combination with an armature shaft and a commutator having a series of bars, of a disk mounted to rotate with said

shaft, a plurality of contacts slidably connected with said disk, and springs normally tending to hold the same toward the axis of the shaft, said contacts being located



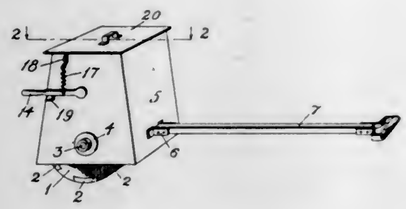
in line with the ends of said bars so as to contact with said bars when impelled radially outwardly by centrifugal force.

1,504,439. APPARATUS FOR SORTING PULVERULENT MATERIALS. ANTOINE FRANCE, Liege, Belgium. Filed Sept. 1, 1921. Serial No. 497,723. 4 Claims. (Cl. 83—54.)



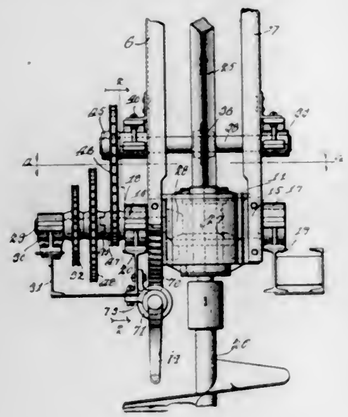
1. In apparatus for sorting or classifying pulverulent material such as coal dust, the combination of a closed dust extraction chamber having two downwardly converging sloping sides; a vertical flue depending from said chamber, terminating at the base into a narrower discharge conduit; a partition arranged within said flue to form two vertical conduits communicating at their lower end and of which the first has its upper end closed and the second has its upper end opening out into the base of the dust-extraction chamber; a transverse partition in said chamber forming a storage-hopper for the material to be treated having a delivery opening close to the lower edge of one of the sloping sides of such chamber; mechanically operated means, arranged in said delivery opening, for continuously feeding the material from said storage-hopper onto the lower portion of the last-named sloping side and projecting same across the upper end of the second of the aforesaid vertical conduits; adjustably controllable means for the introduction of gaseous fluid under pressure into the upper portion of the first of said conduits; adjustably controllable means for supplying liquid under pressure to the base of the aforesaid discharge conduit; interchangeable means for adjusting the size of the discharge opening at the lower end of said discharge conduit; an extraction chimney communicating with and leading upwardly from the dust-extraction chamber; and means for adjusting the effective cross-sectional area of the said chimney; all substantially as described.

1,504,440. ADVERTISING MACHINE. ALBERT EMIL GALLIN and ANGELO P. KACHIS, Portland, Oreg. Filed Oct. 20, 1923. Serial No. 669,730. 6 Claims. (Cl. 101—328.)



1. In an advertising machine, the combination of a roller having a plurality of longitudinal dovetailed grooves in its surface, dovetailed rubber blocks mounted in said grooves, said blocks being marked on their outer surfaces with characters, figures or signs, an axis through the roller, a tongue attached to the axis, a supply tank mounted above the roller, and a cloth attached to the bottom of the tank and being in sliding contact with the roller.

1,504,441. AUGER-SUPPORTING MECHANISM FOR EARTH-BORING MACHINES. GUSTAV R. GEHRANDT, Evanston, Ill., assignor, by mesne assignments, to International Earth-Boring Machine Corporation, a Corporation of Delaware. Filed Oct. 6, 1919. Serial No. 328,834. 3 Claims. (Cl. 255—22.)

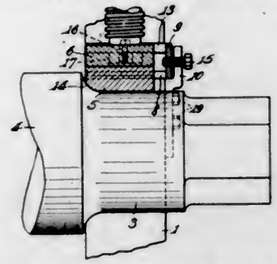


1. An auger supporting mechanism for earth boring machines and the like, having in combination, a gear-box, gears located therein, a tower rigidly secured to and pivotally carried by said gear box, an auger shaft extending along said tower and rotatable by the gears within the gear box, a segmental gear supported from said gear box, and a manually operable worm meshing with said segmental gears for inclining said tower and auger shaft.

1,504,442. BEARING BRASS FOR TOP ROLLS AND SUPPORT THEREFOR. IRA S. GEMAS, Martins Ferry, Ohio. Filed Jan. 16, 1924. Serial No. 686,530. 5 Claims. (Cl. 64—32.)

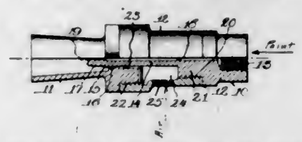
1. A top roll bearing brass and a carrier therefor, comprising a supporting frame embodying a bar adapted to

be mounted horizontally against the outer face of a roll housing, parallel guide members carried by and extending



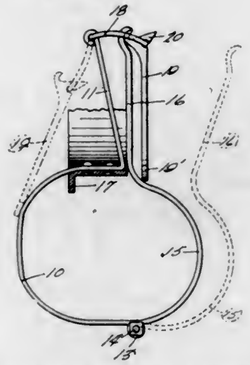
inwardly from said bar, a rider-like block carried by and longitudinally slidable on said guide members, and a top brass rigidly carried on the under side of said block.

1,504,443. PAINT-SPRAYING APPARATUS. JAMES W. GIBBONS, Topeka, Kans. Filed Aug. 25, 1923. Serial No. 659,260. 12 Claims. (Cl. 91—45.)



1. In a device of the class described, an elongated stem having a passage therethrough, a casing surrounding said stem and spaced therefrom to form a chamber, and an elongated outwardly flared nozzle attached to one end of said casing, said stem projecting into said nozzle.

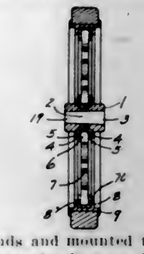
1,504,444. RIM AND TIRE CLAMP. OTTO GLASS, Rosebud, Tex. Filed May 4, 1923. Serial No. 636,526. 4 Claims. (Cl. 224—29.)



1. In a spare tire and rim clamp, a supporting member for attachment to the tire bracket of an automobile, an arcuate clamp lever hinged to the member and having an extension, an arm extending upwardly from the member, and a locking lever hinged to the arm and engaging the extension of the clamp lever.

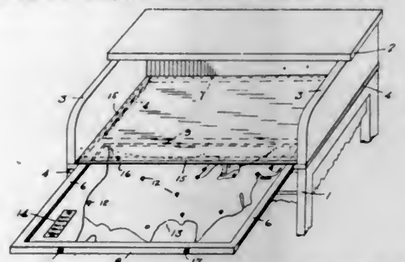
1,504,445. RESILIENT WHEEL STRUCTURE. ARTHUR GWATHNEY and WILLIAM J. BAILEY, Woodville, Ala. Filed Aug. 23, 1923. Serial No. 658,866. 2 Claims. (Cl. 152—50.)

1. A wheel of the kind described, comprising a hub and a pair of spoke plates cast at the central part thereof, the plates being formed with half-sockets enlarged inwardly and spaced apart and extended radially, the half sockets being aligned to form together complete spoke sockets; a rim having a pair of spaced flanges formed integrally around its inner periphery; a plurality of spoke locks filled in around the inner periphery of the wheel between the said flanges, the same being trough-shaped and formed with medially located split sockets which are enlarged inwardly; sinuous spring-bar spokes



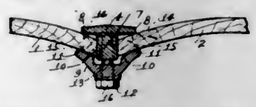
having enlarged ends and mounted thereby in the sockets of the hub and rim; and bolts passed transversely through the sides of the spoke locks and the spoke plates.

1,504,446. DRAWER UNIT FOR DESKS OR TABLES. KINGSLEY S. HALL, Chicago, Ill. Filed Nov. 12, 1921. Serial No. 514,550. 11 Claims. (Cl. 45—90.)



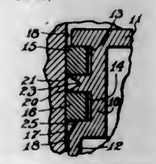
1. A removable shallow tray unit for the tops of desks and tables comprising a pair of side pieces, a shallow tray slidable therein, and a transparent cover fitting over the top of the tray and supported by the side pieces.

1,504,447. CHAIR. GEORGE H. HAMILTON and FRED J. BLAKSLEE, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,135. 5 Claims. (Cl. 155—130.)



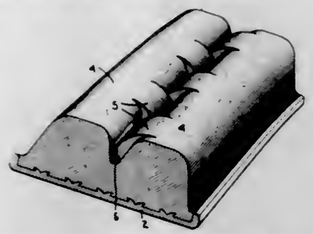
1. In a structure of the character described; an upwardly extending support having a body portion intermediate the mutually adjacent edges of the chair backs hereafter mentioned, and having laterally extending ribs; a pair of chair backs whose front surfaces are concave and rear surfaces convex in horizontal cross section; a clamp member; threaded means extending between the clamp member and the support's body portion for clamping them together with the mutually adjacent edge portions of the chair backs between the clamp member and said ribs.

1,504,448. PISTON. CHARLES C. HANCH, Connersville, Ind. Filed May 31, 1922. Serial No. 564,767. 19 Claims. (Cl. 74—108.)



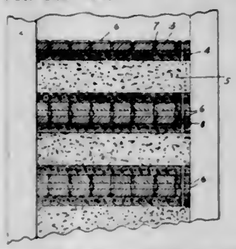
19. An internal-combustion engine piston having a head portion and a skirt portion, with a plurality of piston-ring grooves near the head, and a land between two adjacent piston-ring grooves having greater than expansion clearance throughout its width.

1,504,449. SOLID TIRE. ALBERT HARGRAVES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 3, 1921. Serial No. 519,633. 7 Claims. (Cl. 152—1.)



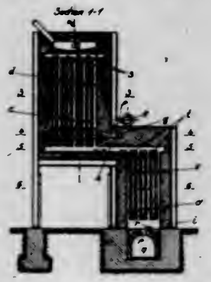
4. A resilient tire comprising two tread portions separated by a relatively deep circumferential groove, strengthening ribs extending from each tread portion to the other, said ribs being inclined toward the center of the tire in opposite directions alternately and extending from the tread surface of one portion to points inward of the tread surface on the other portion.

1,504,450. ART OF FORMING AND WRAPPING OIL-SEED CAKES. NELSON B. HENRY, Atlanta, Ga., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Sept. 9, 1919. Serial No. 322,656. 2 Claims. (Cl. 100—54.)



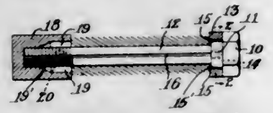
1. The improvement in the art of extracting oil from oil bearing vegetable material, which consists in enclosing each charge of material within a shaping die, between a pair of metallic plates; applying compacting pressure separtely to each charge placed in the die to preform the same and form a metal surfaced cake and successively removing each metal covered formed cake from the die to an oil extracting press, as and for the purpose described.

1,504,451. CONSTRUCTION OF VERTICAL-CHAMBER OVENS. WALTHER HIBY, Scheveningen, Netherlands, assignor to Johan Christiaan, Baron van Haersolte van Haerst, Driebergen, The Netherlands. Filed Dec. 17, 1920. Serial No. 431,469. 9 Claims. (Cl. 202—9.)



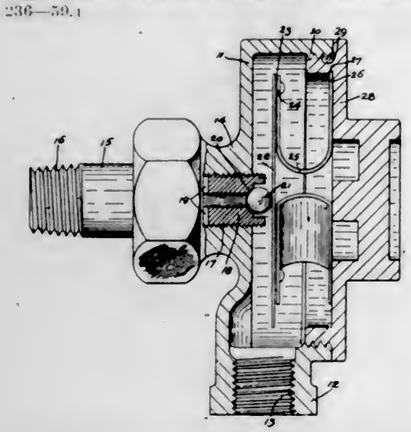
1. In a vertical chamber oven provided with flat sided vertical oven chambers with filling openings at the top and discharge openings beneath the oven chambers, the combination of vertical heating walls outside of said oven chambers and extending lengthwise of the longitudinal axes of said chambers and on each of the long sides thereof, vertical heating flues in the heating walls, means for supplying gas and air for combustion to said heating flues, said means being located in the lower part of the heating walls, a plurality of vertical flues for the burnt gases arranged adjacent to the heating flues, the tops of the heating flues and the inlet ends of the burnt gas flues of a heating wall communicating with each other, the discharge ports of the burnt gas flues located in the lower parts of the chamber walls so as to return the burnt gases to said parts; thereby securing an exchange of heat between the heating flues and the burnt gas flues.

1,504,452. LUBRICATING BOLT. FRANKLIN G. HIRST, Philadelphia, Pa. Filed Mar. 24, 1921, Serial No. 455,066. Renewed Dec. 8, 1923. 11 Claims. (Cl. 64—27.)



1. A lubricating bolt with external passage for lubricant along its shank having a head member with a lateral opening for a lubricant conduit and a recess in its abutting face adjacent the shank communicating with said opening, so that lubricant traversing said shank may pass therefrom directly to said recess and thence to said conduit, or vice-versa.

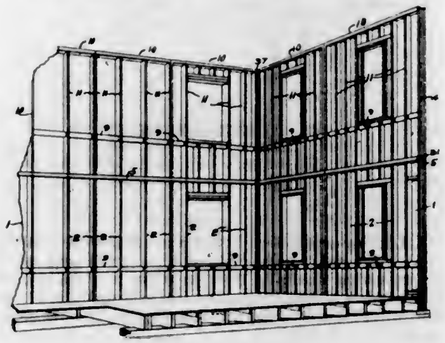
1,504,453. VALVE. BRUCE B. PRESTON, Cleveland, Ohio, assignor to Thomas G. Mount, Cleveland, Ohio. Filed Aug. 9, 1923. Serial No. 656,612. 4 Claims. (Cl. 236—59.)



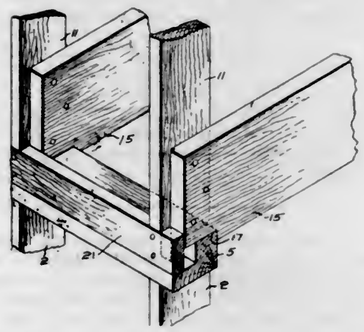
1. In combination, an adjustable valve seat, a thermostatic element comprising a plurality of curved members each fixed at one end and a baffle plate carried by the free ends of said elements arranged to divert fluid from said elements, and a valve supported by said seat and said plate, arranged to cooperate with said seat, and operable when said seat is properly adjusted, by said members through said plate and by a decrease in pressure in the duct communicating with said seat.

1,504,454. BUILDING CONSTRUCTION. THOMAS CALVIN TYSON, Medford, Mass. Filed July 31, 1920. Serial No. 400,510. 9 Claims. (Cl. 20—2.)

1. In building construction, the combination of lower and upper wall panels, each comprising a series of upright studs, a girt at the top of the lower wall panel having a shoulder extending longitudinally thereof, the upper panel studs having notches in their lower ends forming shoulders engaging the shoulder of the lower panel girt to prevent inward movement of the upper panel, joists resting on said girt and notched to form shoulders engaging the inner face of the girt and secured to the upper panel studs to prevent outward movement of the upper panel, and a member extending longitudinally of the girt and secured to the upper panel studs.



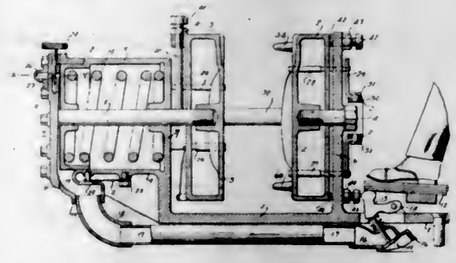




5. In building construction, a cornice unit comprising fascia, plancia and frieze, a ledger adapted to be secured to a wall of the building, and brackets permanently connected to the fascia, plancia, frieze and ledger and having portions adapted to be secured to the roof rafters and second portions depending from the first to be supported thereby in substantially a horizontal position.

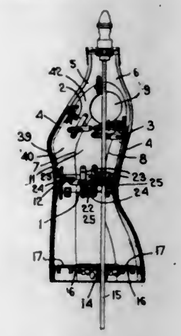
9. In building construction, a wall panel comprising a series of studs secured in lateral spaced relation and the studs having elongated openings formed therethrough in lateral alignment with stock remaining at all sides of the opening in each stud, and a wooden ribbon having a configuration in cross-section to fit said openings and inserted through the aligned openings to hold the side and intermediate studs of a panel rigidly in place and to stiffen the panel and prevent sheeting thereof.

1,504,455. MOLDING MACHINE. STANLEY M. UDALE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed May 18, 1923. Serial No. 639,744. 5 Claims. (Cl. 22—92.)



1. In a pneumatic molding machine comprising a pair of molds adapted to reciprocate back and forth relative to each other, means for supplying compressed air for the purpose of closing said molds, elastic means for opening said molds, means for cutting off the supply of compressed air, an adjustable leak valve whereby the molds are opened automatically a predetermined period after the supply of compressed air is cut off.

1,504,456. DRESS FORM. CHARLES A. UFFORD, Dorchester, Mass. Filed May 5, 1921. Serial No. 466,869. 3 Claims. (Cl. 223—18.)

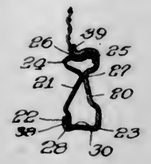


1. A dress form divided vertically from front to rear through each shoulder, and having two vertical divisions extending from each armhole, thereby to provide a solid under arm section at each side of the form, and means for adjustably connecting such sections together.

1,504,457. METAL FRAME FOR SCREENS AND THE LIKE. JOHN O. WAGNER, Chicago, Ill. Filed Dec. 29, 1916. Serial No. 139,554. 4 Claims. (Cl. 156—14.)

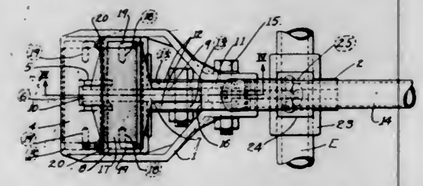
1. A metallic frame comprising in combination cooperating inner and outer members, the inner member being provided with transverse walls at its edges and being adapted to receive the other, said outer member

contacting with said inner member at its outer edges and also at a point intermediate its edges, inwardly extending portions on the inner faces of both transverse walls of said inner member, the rotation of said outer



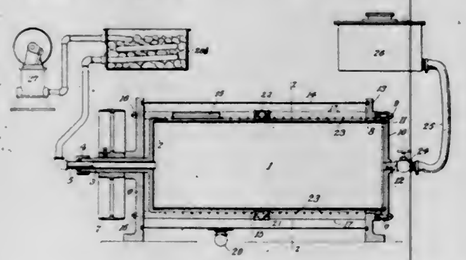
member about said intermediate point of contact bringing both edges of said outer member into locking engagement with said inwardly extending portions.

1,504,458. DEVICE FOR GRINDING AND POLISHING ROLLS. ERNST H. WAHLERT, St. Louis, Mo. Filed July 7, 1922. Serial No. 573,390. 14 Claims. (Cl. 51—251.)



1. A device for grinding and polishing rolls, comprising an abrasive member, a supporting member for holding said abrasive member in contact with a roll, a second abrasive member, said second mentioned abrasive member being supported by said supporting member for said first mentioned abrasive member, and pivoted means whereby said second abrasive member may be moved into contact with a second roll.

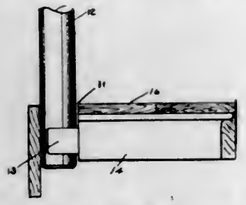
1,504,459. AMORPHOUS SACCHARINE POWDER CONTAINING IMPALPABLE SOLIDS AND PROCESS OF MAKING THE SAME. GEORGE WASHINGTON, Brooklyn, N. Y. Filed June 7, 1918. Serial No. 238,629. 14 Claims. (Cl. 99—11.)



1. As a new article of manufacture a powder composed of a mixture of amorphous soluble materials and impalpable insoluble materials, which powder is in the form of small, thin, readily soluble pellicles consisting of the desiccated and broken walls of bubbles of a perfect solution of the said soluble materials, together with the impalpable insoluble substances retained therein.

10. The process of forming a readily soluble powder of amorphous saccharine matter and soluble flavoring matter containing insoluble materials which comprises mixing with a perfect solution of the soluble materials an amount of finely divided insoluble material equalling about a third or less of the weight of the solid constituents of the soluble materials, evaporating the mixture and desiccating the solid residue at a low pressure and at a temperature which is below that of fusion of the saccharine matter and which will not produce any hurtful modification of the taste of the other material, until the same is transformed into a foamlike mass of bubbles, and then crushing the dry walls of such bubbles.

1,504,460. LOCK FOR FOLDING DOORS. LUTHER B. WATSON, Toledo, Ohio. Filed Sept. 21, 1923. Serial No. 663,987. 4 Claims. (Cl. 20—20.)



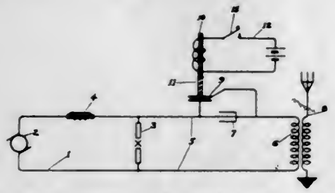
1. Locking mechanism for doors comprising a slotted member secured adjacent the door, a guide and locking rod extending vertically from the door into the slot, and a lock bolt arranged to be thrown into and out of position to secure said rod against movement in said slotted member.

1,504,461. BOWLING BALL. MICHAEL J. WHELAN, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 20, 1922. Serial No. 537,674. 5 Claims. (Cl. 46—4.)



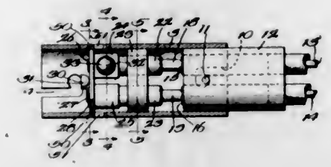
1. As a new article of manufacture, a bowling ball having a wood core and a composition covering vulcanized thereon and consisting of hard rubber compound and small sticks of wood thoroughly incorporated therewith.

1,504,462. TRANSMISSION OF RADIOSIGNALS EMPLOYING UNDAMPED WAVES. ROBERT B. WOOLVERTON, Washington, D. C. Filed July 25, 1921. Serial No. 487,247. 2 Claims. (Cl. 250—19.)



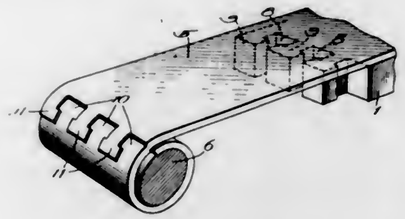
1. In radio transmitting apparatus for undamped waves, a tuned oscillatory circuit shunted about the generator of said transmitting apparatus, an antenna circuit electrically connected to the tuned oscillatory circuit, said oscillatory and antenna circuits being in exact resonance, a capacitance shunted about the capacitance of the tuned oscillatory circuit, and means for varying the relative positioning of the elements of said first capacitance whereby to destroy resonance between the oscillatory and antenna circuits, at times, whereby the energy in said antenna circuit is substantially interrupted.

1,504,463. CIRCUIT CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed July 21, 1919. Serial No. 312,375. 3 Claims. (Cl. 173—328.)



1. A circuit continuing device including a shell; a pair of contacts within the shell and movable along the same; an insulating disc with which said contacts are assembled; and a contacting portion carried by one of said contacts and spaced apart at one place from said disc, this contacting portion having formed therewith a spacing portion in the space between it and the disc.

1,504,464. METHOD OF MAKING JOINTS. HARRY A. DOUGLAS, Bronson, Mich. Filed Jan. 27, 1921. Serial No. 440,483. 3 Claims. (Cl. 29—187.)



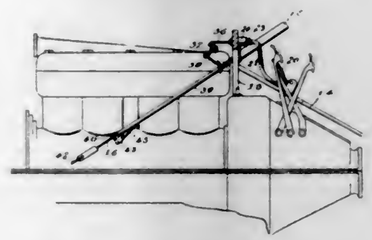
1. The method of forming hollow bodies of sheet material which consists in forming a row of alternated mortises and tenons in a sheet of the material out of which the hollow body is to be made; partially forming a second row of alternated mortises and tenons by depressing material from the sheet in areas that are similar in arrangement and dimensions to the tenons in the first row; beading the sheet and bringing the tenons in the first row in registry with the partially formed mortises in the second row; and forcing the tenon portions in each row into the mortise spaces of the other row to remove the depressed material to complete the formation of the mortises and tenons in the second row and effect the location of the tenons in the mortises.

1,504,465. POLYCHROME SCREEN FOR COLOR PHOTOGRAPHY AND METHOD OF PRODUCING SAME. LEON FORREST DOUGLASS, San Rafael, Calif. Filed May 31, 1921. Serial No. 474,052. 18 Claims. (Cl. 95—81.5.)



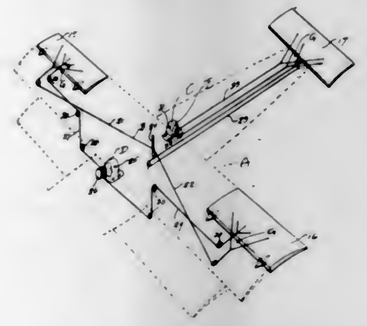
1. The method of making colored photographic screens which comprises exposing a single coated film by means of a camera to light rays emanating from an object having thereon evenly distributed black dots, developing the film, printing therefrom a positive film, dye-toning the black dots of said positive film red, sensitizing the film in a ferric salt solution, exposing said film to light, developing the film in a ferricyanide solution, and lastly dyeing the entire film in a yellow dye.

1,504,466. ACCELERATOR CONTROL. JULIUS J. ELSTER, Doyon, N. Dak. Filed May 4, 1923. Serial No. 636,080. 3 Claims. (Cl. 74—89.)



1. In an apparatus of the character described, a supporting member, a pedal carried thereby, a supporting wall, an extension carried by the lever support, a hinge connected between said extension and wall whereby to permit the pedal to be folded against said wall, and means whereby upon said pedal being folded the same may be turned a predetermined degree for the purpose described.

1,504,467. AIRCRAFT BALANCING SYSTEM. WILLIAM SHAW FERDON, Brownlee, Nebr. Filed June 10, 1921. Serial No. 476,635. 7 Claims. (Cl. 244—29.)

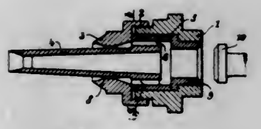


1. In a stability recording device, the combination with an aircraft, of a transparent liquid receptacle including means for determining the gravity level of liquid therein, means pivotally mounting said receptacle on said aircraft, means stationary on said aircraft for determining relative movement of said receptacle with respect to said aircraft, and means for adjustably maintaining said liquid receptacle in fixed position with respect to said stationary means.

1,504,468. STEAM-DISCHARGE PIECE FOR INJECTORS. LOUIS FRIEDMANN, Vienna, Austria. Filed May 3, 1922. Serial No. 558,288. 2 Claims. (Cl. 102—1.)

1. A steam discharge piece for injectors comprising a nozzle carrier provided on its outer surface with threads, an outer steam nozzle fixed to the nozzle carrier by the said threads, an inner steam nozzle, a collar provided on

the inner steam nozzle and arranged between the nozzle carrier and the outer steam nozzle and fastened by the screwing together of these parts, the said collar being provided with openings for the inlet of the steam into



the annular space between the two steam nozzles, the whole area of the openings being larger than the smallest annular space between the outer and the inner steam nozzle.

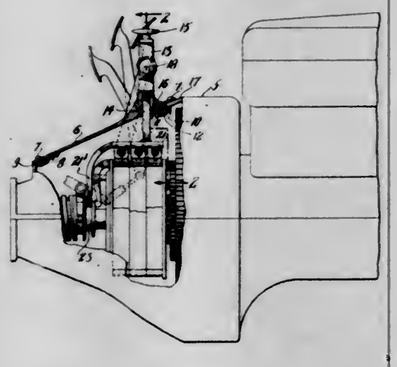
1,504,469. AZO DYESTUFFS AND PROCESS FOR THE MANUFACTURE OF SAME. HERMANN FRITZSCHE and EMIL REBER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 8, 1923. Serial No. 667,407. 14 Claims. (Cl. 260—87.)

6. The herein described new azo dyestuffs which correspond with the general formula

$$R-N=N-R'$$

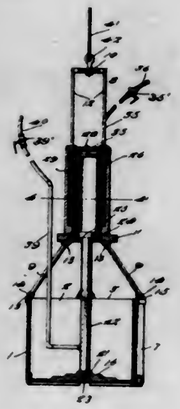
wherein R signifies a 1(3'-sulfamido)-aryl-3-methyl-5-pyrazolone, and R' a 2-oxynaphthalene-4-sulfonic acid nucleus where the azo bridge adheres to the position 1- of the naphthalene nucleus, which dyestuffs constitute red-brown to brown powders soluble in water to orange to brown-orange solutions which become more yellow and more pure on addition of alkalies, dyeing wool in an acid bath very uniform brown to orange tints which, by after-chroming, become red to blue-red, the dyeings being very fast to fulling and to potting.

1,504,470. TRANSMISSION LOCK FOR AUTOMOBILES. GEORGE A. GILLEN, Jersey City, N. J., assignor to Gillen Laboratories Corporation, New York, N. Y., a Corporation of Delaware. Filed June 27, 1922. Serial No. 571,173. 3 Claims. (Cl. 70—190.)



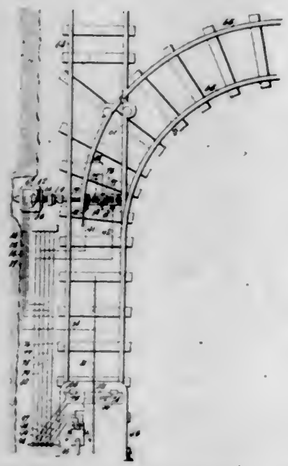
1. In a transmission lock, a vertically movable plunger, means for locking the plunger in raised or lowered position, a locking bar at the lower end of the plunger for engagement between the ears of a series of transmission bands when the plunger is lowered, and a toe formed integrally with the bar for engagement in the clutch ring of a transmission when the plunger is lowered.

1,504,471. DREDGE BUCKET. ADOLPH EUGENE GRAU, New Orleans, La. Filed Nov. 14, 1923. Serial No. 675,402. 7 Claims. (Cl. 37—54.)



1. In a dredge bucket construction, a bucket comprising cooperative hinged sections spring-pressed toward closed position, and an ejector head interfitting the bucket and movable from a position to permit closing of the bucket to position to eject the contents of the bucket therefrom and to spread the bucket sections apart.

1,504,472. APPARATUS FOR OPERATING SWITCHES. EDWARD H. GRIM, Dott, W. Va. Orignal application filed June 20, 1923, Serial No. 646,731. Divided and this application filed Mar. 4, 1924. Serial No. 696,838. 5 Claims. (Cl. 246—240.)



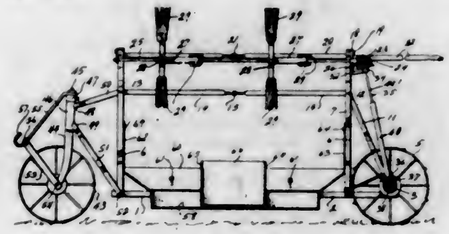
1. In mine switch operating systems, the combinations with the switch to be opened or closed, of an electric motor for opening and closing the same, electric circuit controlling means on a mine car for effecting the action of said motor as the car approaches the switch, a straight line screw shaft connection between the motor and the switch including a slip clutch spliced thereinto and a means for permitting lost motion whereby the motor will be permitted to pick up before moving the said switch, and signaling instrumentalities including signals on the mine car and signal operating devices associated with the switch to be opened and closed, for indicating the particular position of the said switch.

1,504,473. MILK BOTTLE. WALTER C. HATTES, Portsmouth, Va. Filed Oct. 27, 1923. Serial No. 671,157. 1 Claim. (Cl. 215—1.)



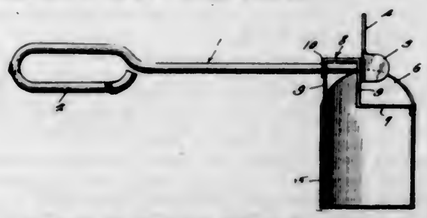
As an article of manufacture, a bottle comprising a body portion, a constricted neck portion, and an outwardly bulging mouth portion, said mouth portion adjacent the neck portion having an inwardly extending cap seating shoulder therein extending completely around the mouth portion to retain a circular cap therein, said mouth portion for a portion of the circumference of the neck being of a height sufficient to permit of its insertion in the mouth of the drinker and having its ends tapered downwardly and merging into a flat edge portion positioned in a plane above the shoulder and extending circumferentially of the neck between the tapered ends a sufficient distance to readily receive the nose of a person drinking from the bottle.

1,504,474. BOLL-WEEVIL GATHERER AND DESTROYER. GETTE W. HOLMES, Hosston, La. Filed Oct. 23, 1922. Serial No. 596,331. 1 Claim. (Cl. 43—142.)



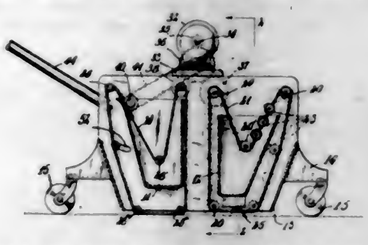
An apparatus of the class described comprising a portable body, corner uprights carried by the body, frames substantially in the form of an inverted U coacting with the corner uprights at each end portion of the body, said frame extending upwardly of the corner uprights, means for connecting the side members of each of said frames with the associated uprights, arms associated with the upper portion of each of the frames and extending outwardly therefrom, means for adjustably connecting said arms to the frames, a shaft rotatably supported by each pair of arms at one side of the frame, driven means operatively supported by the frames for rotating said shafts, and brush elements carried by the shafts.

1,504,475. PET-COCK WRENCH. RICHARD C. HOLTON, Clovis, N. Mex. Filed Sept. 14, 1923. Serial No. 662,711. 3 Claims. (Cl. 137—139.)



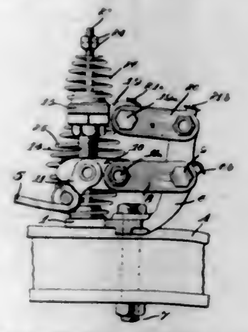
1. A device of the class described comprising a pet-cock key having an oil receiving vessel swingably mounted thereon cooperating means on said key and vessel whereby the vessel may be tilted to empty its contents without touching it with the hands.

1,504,476. FLOOR-WASHING MACHINE. TEOFIL HOREMBALA, Windsor, Ontario, Canada. Filed Oct. 26, 1922. Serial No. 597,083. 2 Claims. (Cl. 15—99.)



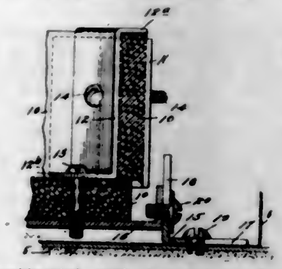
1. In a floor washing machine, an endless cloth, a pair of rollers under which said cloth is adapted to pass in contact with the floor, a tensioning roller engaging said cloth, and a common means for lifting said pair of rollers and swinging said tensioning roller to maintain the tension on the cloth as the said pair of rollers is lifted.

1,504,477. SHOCK ABSORBER. ALBERT HOWES, Santa Cruz, Calif. Filed Sept. 7, 1922. Serial No. 586,710. 3 Claims. (Cl. 267—29.)



1. In a shock absorber, a supporting casting, means for mounting said casting on a car, a standard rising from said casting, a cross bar flexibly carried by said standard and having depending means for supporting the main vehicle spring, coiled load supporting springs arranged between said casting and cross bar, swiveled rods carried by said casting and extending through said springs and cross bar, and recoil springs mounted on said rods above said cross bar.

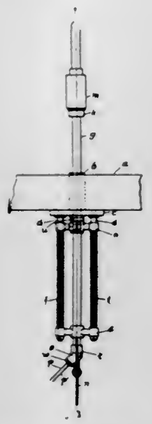
1,504,478. PANEL BOARD SUPPORT. GEORGE W. HYSER, Minneapolis, Minn. Filed Apr. 12, 1921. Serial No. 460,702. 4 Claims. (Cl. 247—12.)



1. The combination with a panel board, of a fixed base, and anchors pivotally connected to said board and to said base by pivots, the axes of which are perpendicular to the plane of the face of said board, said pivots

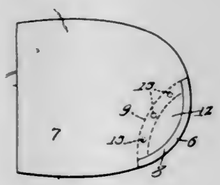
permitting said board to be adjusted in the plane of its face, said anchors being provided with means for permitting relative adjustment in a direction perpendicular to the plane of said board and so permitting said board to be set different distances from said fixed base.

1,504,479. STAMPING MACHINE. HENRY JANSSEN, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1924. Serial No. 694,151. 2 Claims. (Cl. 101—27.)



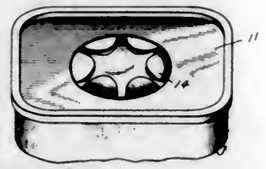
1. A stamping device comprising a fixed guide-way bearing, a reciprocatively operated die-carrier tube vertically slidable in said bearing and having a down-turned upper portion provided with a coil-heated die, and conductor wires extending within the tube from the die-heating coil to a passage-way therefor at the lower portion of the tube.

1,504,480. HEELPLATE. WESLEY B. JOHNSON, Rockford, Ill. Filed Aug. 3, 1923. Serial No. 655,550. 1 Claim. (Cl. 36—75.)



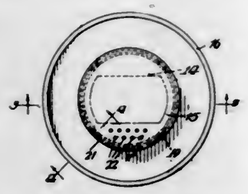
As a new article of manufacture, a top lift for a heel comprising, in combination, a top lift body having flat top and bottom faces and a curved striking end, a metallic heel plate having a striking portion set into the striking end of said body, reaching from said top to the bottom surfaces thereof and conforming to its end curvature, a narrow plate-fastening portion set into the top of said body flush with the top surface thereof, said plate-fastening portion being medially spaced from said striking portion and at its ends joined integrally thereto so as to allow an unobstructed body portion intermediate the striking and fastening portions through which fastening means may be passed through the body for securing it to the under lift of a heel, and spurs integral with said fastening portion at spaced points between its ends extending downwardly therefrom into the body for securing the heel plate thereto.

1,504,481. SIFTER TOP. HARRY W. JONES, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 12, 1920. Serial No. 388,535. 13 Claims. (Cl. 221—61.)



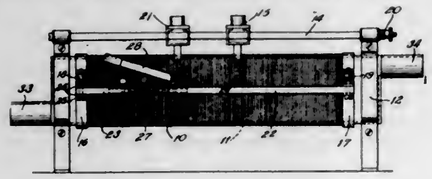
1. A can wall having lines cut through it and the parts of said wall being left in position to substantially close the can, the material of said wall at one side of said lines being capable of being pressed inwardly of the can to provide widened spaces forming sifter openings.

1,504,482. SIFTER-TOP CONTAINER. HARRY W. JONES, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 1, 1920. Serial No. 407,352. 5 Claims. (Cl. 221—61.)



1. A sifter top container, comprising a part permanently fixed to the body and having a filling opening, and a perforated part rotatable upon said fixed part to bring the perforations of the same into and out of sifting registration with said opening, said rotatable part being readily removable to permit filling.

1,504,483. RHEOSTAT. PAUL E. KLOPSTEG, Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1922. Serial No. 564,768. 15 Claims. (Cl. 219—62.)



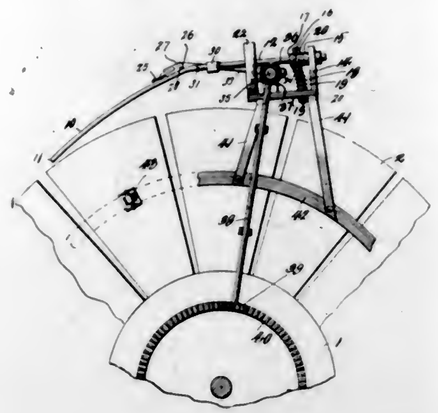
1. In a rheostat, a plurality of resistance coils, a double throw switch, and wiring between said coils and said switch permitting the resistance to be used in parallel with one throw of the switch and in series with the other throw of the switch.

1,504,484. BEET-HARVESTING MACHINE. FRANK W. KNOWLES, Seattle, Wash. Filed Nov. 22, 1922. Serial No. 602,617. 8 Claims. (Cl. 55—108.)

1. In a topper mechanism, a knife, a pair of fingers associated with the knife and bowed intermediate their ends, and means for rotating the fingers upon depression thereof in the manner and for the purpose specified.

3. In combination, a knife, a pair of fingers associated with the knife, and bowed intermediate their ends, means for supporting adjacent ends of the fingers so that they may be rotated and pivoted, standards provided with racks, and pinions on the fingers engaging said racks so that the fingers will be rotated when pivoted.

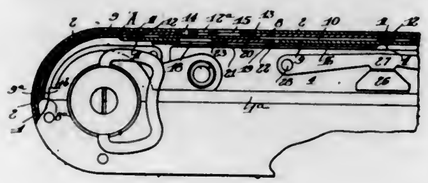
6. In combination, a delivering mechanism and a topper mechanism associated therewith and including a knife, a pair of fingers associated with the knife so as to receive the beets from the delivering mechanism, said fingers being bowed intermediate their ends, means for pivotally and rotatably mounting the fingers, and means



for rotating the fingers as the beets pass longitudinally therealong and depress the same whereby the fingers will properly guide the beets and clear the delivering mechanism in the manner and for the purpose specified.

8. In a harvesting machine of the class described, a topper mechanism including a guide mechanism, and a reciprocating knife, means for reciprocating the knife including a head, and a link adjustably connected to the head and to the knife.

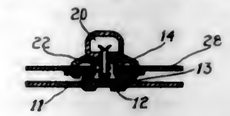
1,504,485. CAMERA BACK. ROBERT KNOEDEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,993. 6 Claims. (Cl. 95—1.1.)



1. The combination with a camera body having flanges on its rear side constituting one element of a light seal, of a back for the body embodying two nested plates secured together but spaced apart at their edges to receive the flanges in the body between them and to constitute the other element of the light seal.

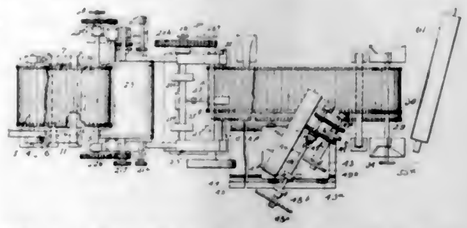
1,504,486. VEHICLE CURTAIN FASTENER. RICHARD D. LANE, Augusta, Ky., assignor to The F. A. Neider Company, Augusta, Ky., a Corporation of Kentucky. Filed July 24, 1923. Serial No. 653,592. 7 Claims. (Cl. 24—221.)

6. In a fastening device of the class described, the combination of a turn-button, a base rotatably supporting the turn-button, an eyelet for movement over the turn-button and a pair of yielding means associated with the



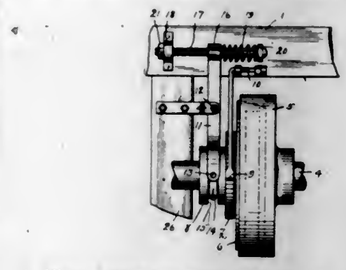
eyelet for exerting a yielding pressure on the base and turn-button.

1,504,487. SHEET OPENER. EDWARD G. LEHMAN, Canton, Ohio. Filed Aug. 4, 1921. Serial No. 489,721. 69 Claims. (Cl. 29—17.)



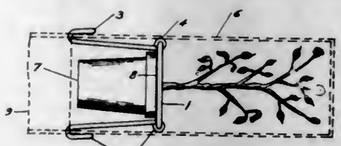
49. In a sheet opener, means for opening the sheets at one end of a pack, a stripper comprising a plurality of traveling stripper rolls, means for pressing the pack against the stripper rolls, and traveling means for grasping the sheets at the opened part of the pack and separately pulling them over and around the traveling stripper rolls.

1,504,488. LOG-SETTING RETARDER. EDWARD MCCLUSKEY, Cloquet, Minn. Filed Mar. 6, 1923. Serial No. 623,093. 2 Claims. (Cl. 188—81.)



1. The combination with a shaft, of a brake mounted upon the shaft, means for preventing action of the brake upon the shaft when the latter is rotated in one direction and spring controlled adjustable means for regulating the frictional action of the brake.

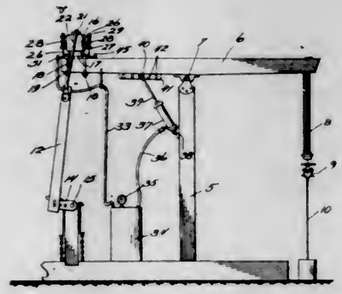
1,504,489. PLANT RECEPTACLE HOLDER. CHARLES D. MACKIE, Pittsfield, Mass. Filed Feb. 13, 1924. Serial No. 692,607. 1 Claim. (Cl. 206—46.)



A plant receptacle holder comprising a circular ring of resilient material and the ends of said ring adapted for interlocking with each other, parallel uprights composed of a continuous piece of resilient material having

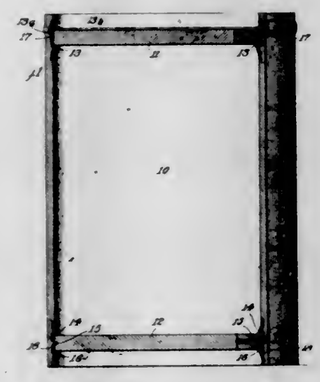
coiled lower portions pivotally connected to said circular ring, the upper ends of the said parallel uprights formed into U shaped keepers and said keepers bent and inclined towards the parallel uprights so as to form a wedge shaped opening between the keepers and the parallel uprights.

1,504,490. SHOCK-ABSORBING DEVICE FOR DRILLING AND PUMPING APPARATUS. RICHARD COLBERT MASON, Tulsa, Okla. Filed May 15, 1922. Serial No. 561,159. 9 Claims. (Cl. 255—16.)



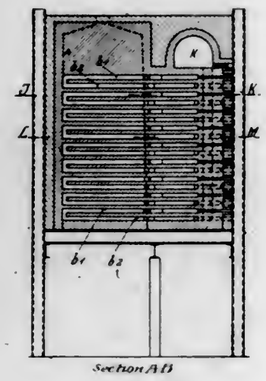
1. In an apparatus of the character described, the combination with the walking beam and pitman member for oscillating said beam, of a fluid-pressure shock-absorbing device connecting said pitman member with one end of said beam, and means for maintaining fluid pressure within said device.

1,504,491. PAPER RECEPTACLE OR CONTAINER AND ART OF MAKING THE SAME. FRED T. NICHOLSON, Bloomfield, N. J. Filed Jan. 24, 1920, Serial No. 353,692. Renewed Nov. 9, 1922. Serial No. 599,784. 35 Claims. (Cl. 229—67.)



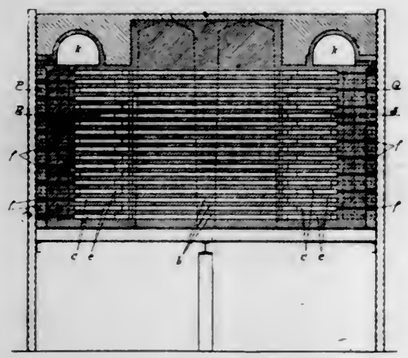
9. The method of making a container which comprises winding sheet paper to form a multi-layer tube, winding sheet metal around the partially finished tube, displacing said metal substantially radially to form a circumferential seat adjacent one end of the tube, and winding sheet paper over the metal.

1,504,492. VERTICAL-CHAMBER OVEN. CARL OTTO, Copenhagen, Denmark. Filed Feb. 6, 1922. Serial No. 534,627. 12 Claims. (Cl. 202—9.)



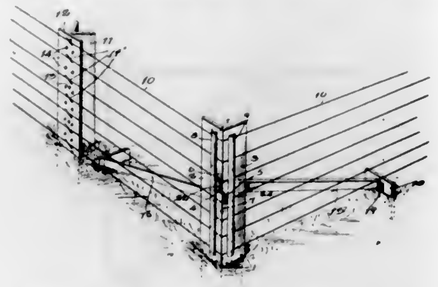
10. In vertical chamber ovens comprising in combination a plurality of vertical oven chambers arranged in a row, a plurality of heating walls, a series of superposed horizontal heating flues in each heating wall, a plurality of oven burners, adjacent to the oven chambers, each of said burners having a preheating air chamber, a plurality of waste heat chambers, one connected to the outlet of each flue, said preheating chambers and waste heat chambers being arranged alternately one above the other, so that the preheating chambers lie between the waste heat chambers, receiving heat from the latter.

1,504,493. VERTICAL-CHAMBER OVEN. CARL OTTO, Hellerup, Denmark. Original application filed Feb. 6, 1922, Serial No. 534,627. Divided and this application filed Feb. 20, 1924. Serial No. 694,102. 5 Claims. (Cl. 202—9.)



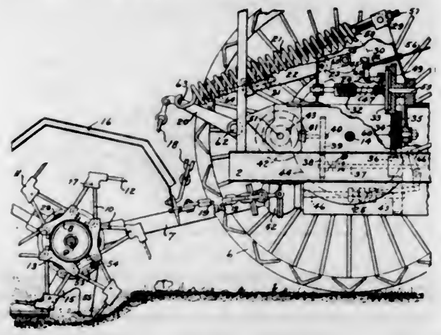
1. In a two-faced vertical chamber oven in which the oven chambers are arranged in rows, at least two oven chambers in each row, the combination of heating walls between the rows, each wall comprising a series of superposed heating flues, each running the whole length of the heating wall, and preheating chambers for gas and air, connected to each heating flue at one front of the oven and a waste-heat chamber connected to each heating flue near the other front of the oven, the preheating chambers lying between the waste-heat chambers so as to receive heat from the latter.

1,504,494. FENCEPOST. ALDUS M. PARSONS, Fargo, N. Dak. Filed Sept. 19, 1922. Serial No. 589,185. 2 Claims. (Cl. 256—35.)



1. A fence post including an angle iron post, a removable face plate mounted on the apex of said post, said face plate provided with a series of spaced apertures arranged in staggered relation for receiving fastening means at either angle on said post.

1,504,495. ROTARY TILLER. JOHANN FRIEDRICH MAX PATITZ, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 27, 1918. Serial No. 237,359. 7 Claims. (Cl. 97—40.)

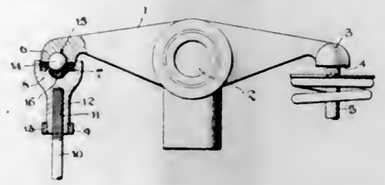


1. In a tiller, a vehicle, an engine for transporting said vehicle, a tiller rotor associated with said vehicle and adjustable relatively to the ground surface, and mechanism between said rotor and said engine for adjusting the position of said rotor, said mechanism comprising a pair of revolving members and locking means engageable with the same for locking said rotor in a predetermined position, means for releasing said locking means, and means for drivingly connecting the rotor adjusting means to said engine.

7. In a tiller, a vehicle, a tiller rotor swingably supported from said vehicle, means for effecting swinging movement of said rotor relatively to said vehicle, a pair of diametrically opposite revolving pins, a latch engageable with said pins to lock said rotor in predetermined positions, and resilient means for constraining swinging of said rotor upon release of said locking means.

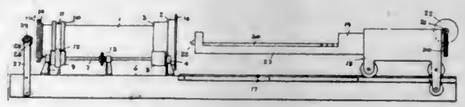
1,504,496. VALVE-ACTUATING MECHANISM. MYATIAN PECK, Nashville, Tenn. Filed Oct. 23, 1922. Serial No. 596,450. 2 Claims. (Cl. 123—90.)

1. In a valve actuating mechanism of the character described, a push rod having at its upper end a cup section formed with a chamber open at the upper end of the cup section, said chamber being adapted to receive a lubricant and having a central concave depression in its bottom wall, and a rocker arm fulcrumed intermediate its ends and having a depending end portion adapted to



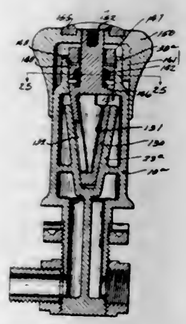
enter the chamber of said cup section and provided with a contact element having a convex lower part adapted to engage with the concave depression in the bottom wall of said chamber.

1,504,497. METHOD AND MEANS OF LINING PIPE MOLDS. JOHN A. PERRY, Toronto, Ontario, Canada. Filed June 27, 1921, Serial No. 480,873. Renewed June 25, 1924. 3 Claims. (Cl. 22—18.)



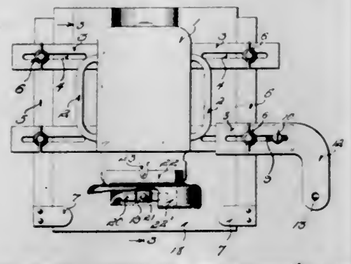
1. A method of lining pipe molds with refractory material, consisting in distributing the refractory material from a central holder circumferentially over the inner surface of a cylindrical casing while said casing is rapidly rotating and finally smoothing and compressing the material so distributed to a uniform thickness.

1,504,498. FAUCET. EDWARD CHARLES PETCHER, St. Louis, Mo. Filed Mar. 6, 1923. Serial No. 623,162. 6 Claims. (Cl. 251—106.)



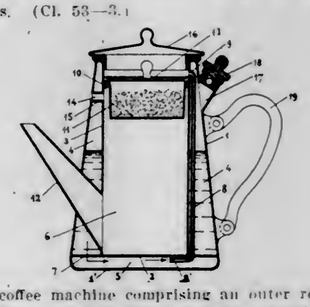
1. A faucet comprising a housing having a seat therein and hot and cold water supply compartments, said seat having ports therein communicating with the compartments therethrough, a valve rotatably disposed on said seat having a passageway therein for communication through the inlet ports of said seat, a second valve within the first mentioned valve having a port therein adapted for alignment with the port of said first mentioned valve, said second mentioned valve being hollow and having an exit port therein, means for joint or independent operation of said first and second mentioned valves flexibly connected thereto, and spring means normally urging said valves into seating relation with respect to each other and to their seats in the housing.

1,504,499. CORE-BOX CUTTER. CLAYTON E. PETERSON, South Milwaukee, Wis. Filed May 17, 1923. Serial No. 639,717. 2 Claims. (Cl. 144—136.)



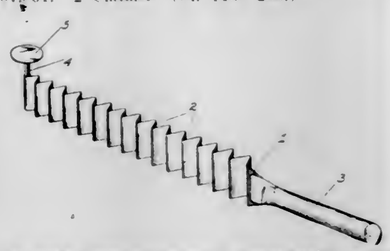
1. A machine for cutting core-boxes comprising a frame having laterally extending arms, guides adjustably carried by said arms adjacent their outer ends and adapted to engage opposite sides of the work, said frame being adapted to be slid at right angles to said arms longitudinally along said work, a shaft extending at right angles to said arms, a cutter carried by said shaft, an electric motor mounted above said shaft, and gearing connecting said shaft and said motor, whereby said cutter projects below the lowest portion of said frame and said motor is located wholly above the axis of said cutter.

1,504,500. COFFEE MACHINE FOR THE PREPARATION OF INSTANTANEOUS COFFEE. ETTORE PIZZOGLIO, Turin, Italy, assignor to Cesare Richiardi, Turin, Italy. Filed Dec. 15, 1922. Serial No. 607,070. 4 Claims. (Cl. 53—3.)



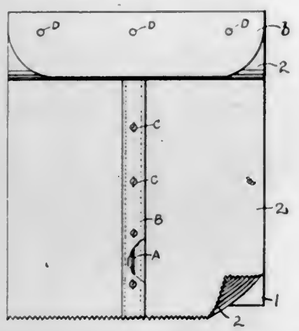
1. A coffee machine comprising an outer receptacle, a receptacle mounted therein forming an annular chamber between the two receptacles, said receptacles being connected at their upper portions to prevent communication between the annular chamber and the inner receptacle, a chamber formed below the inner receptacle, and means for establishing communication between the last named chamber and the upper portion of the inner receptacle.

1,504,501. SLICER AND DECORATOR. LAURA E. POPE, Stockton, Calif. Filed Apr. 21, 1924. Serial No. 707,851. 2 Claims. (Cl. 146—206.)



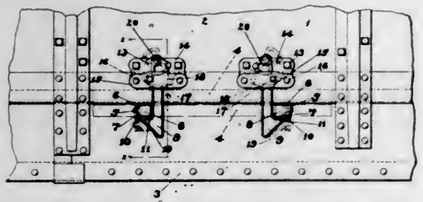
1. A slicer comprising a strip, formed with vertical and transverse corrugations throughout its length, and a handle at one end of the strip, said strip being longitudinally flexible and being free to flex horizontally from a straight vertical plane in any direction.

1,504,502. GARMENT-DISPLAY FOLDER. JOSEPH H. POWELL, Dallas, Tex. Filed Mar. 24, 1923. Serial No. 627,336. 2 Claims. (Cl. 211—34.)



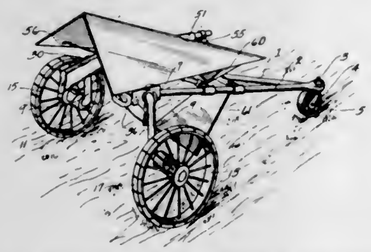
1. In combination: a sample of fabric folded upon itself to conform in size to a completed garment folded for display purposes, and means simulating a finished portion of the garment, on said sample of fabric, said means comprising folds of the fabric and stitching; and a cover member for said sample of fabric, said cover member being approximately the length and width of said sample of fabric and attached thereto.

1,504,503. DOOR MECHANISM. ROBERT S. RAMSEY, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 29, 1922. Serial No. 604,099. 2 Claims. (Cl. 105—308.)



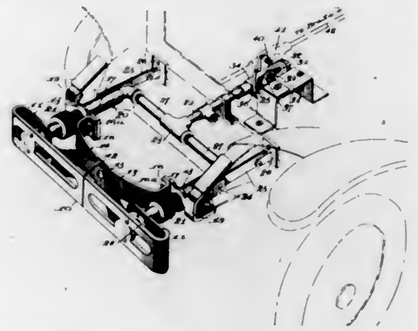
1. In a dump car, a discharge door, a bracket secured to said car, a member pivotally mounted in said bracket and adapted to support said door in closed position, and an extension on said member adapted to engage said bracket when said member is in door supporting position.

1,504,504. ORDNANCE. WILLIAM A. RANDOLPH, Seattle, Wash. Filed Mar. 21, 1923. Serial No. 626,533. 8 Claims. (Cl. 89—40.)



1. In a device of the class described, a frame structure having forwardly and downturned converging side beams, a caster wheel mounted to support the forward end of the frame, a transverse axle at the rear of the frame, supporting wheels mounted at the ends of the axle, a gun mounting pivotally supported from the frame and a shield supported by and movable with the gun mounting.

1,504,505. BUMPER. CLYDE CONRAD REED and HAL W. WATSON, Memphis, Tenn. Filed Dec. 28, 1923. Serial No. 683,215. 6 Claims. (Cl. 180—83.)



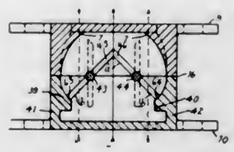
1. A bumper in two side sections hingedly connected at their adjacent ends and independently yieldable, a pair of centrally connected oppositely bowed springs, the free ends of one of which engage said bumper sections intermediate their ends, brackets to which the outer ends of the other spring are connected, air cylinders in connection with said brackets, and plungers extending rearwardly from the side sections of the bumper into said cylinders.

1,504,506. SAFETY-RAZOR-BLADE-SHARPENING MACHINE. FRANK A. REYNOLDS, Geneva, N. Y., assignor, by mesne assignments, to Nonak Stropper Company, Inc. Filed Mar. 6, 1922. Serial No. 541,492. 6 Claims. (Cl. 51—98.)



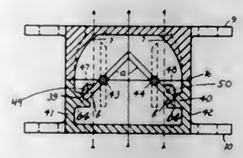
2. A safety razor blade sharpening machine comprising a housing including removable end walls, a sharpening roll in the housing, a spindle removably engaging said sharpening roll and the end walls of the housing and acting to retain the sharpening roll and end walls in place, and means for supporting a blade adjacent to the sharpening roll.

1,504,507. ENGINE VALVE. EDWARD E. RICHARDSON, Toledo, Ohio, assignor, by direct and mesne assignments, to The R. & S. Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Jan. 10, 1920. Serial No. 350,696. 10 Claims. (Cl. 277—1.)



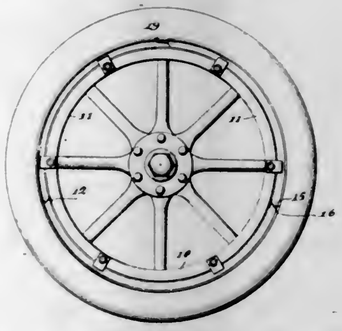
1. In engine valves, a casing having a chamber, a plurality of shutters journalled in said chamber and snugly fitting the end walls thereof, means for rotating said shutters simultaneously in opposite directions, and seats projecting inwardly from the side walls of said chamber and being adapted to engage certain wings of adjacent shutters before the other wings engage with each other.

1,504,508. ENGINE VALVE. EDWARD E. RICHARDSON, Toledo, Ohio, assignor, by direct and mesne assignments, to The R. & S. Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Jan. 10, 1920. Serial No. 350,697. 11 Claims. (Cl. 277—1.)



1. In engine valves, a casing having a chamber, shutter mechanism journaled in said chamber to provide wings therein of unequal length, a seat on a wall of said chamber and means operative to cause said wings to be moved to different operative positions, in one of said positions one of said wings will engage said seat and the other wing being so disposed as to maintain a slightly opened passage through said chamber, in another operative position said wing engaging said seat and said other wing closing the passage, and another operative position being that in which the passage is opened by both wings, said first wing being out of engagement with said seat.

1,504,509. DEMOUNTABLE RIM. HAROLD R. ROFFMANN, New York, N. Y. Filed Sept. 2, 1922. Serial No. 585,985. 5 Claims. (Cl. 301—32.)



4. A tire rim comprising pivoted segments each provided with an aperture adjacent its free end, a toggle member having a pivot head at one end to enter one of said apertures and a slot at its opposite end, a plate secured to the segment to retain said head in position, a cooperating toggle member having a pivot head to enter said slot and an angularly disposed foot to engage the other segment aperture, and a bent portion upon the first mentioned toggle member to retain said last mentioned pivot head in position.

1,504,510. FENDER. ISAAC ROSENTHAL, Chicago, Ill. Filed Nov. 18, 1922. Serial No. 601,824. 5 Claims. (Cl. 280—152.)



1. A fender for motor vehicles composed of a sheet of textile material, resilient reinforcing means applied to the edge of the sheet, resilient shaping elements extend-

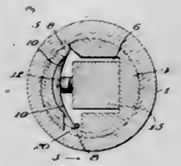
ing transversely of the sheet, and fender supporting arms to which said elements are connected at the inner edge of the sheet, said sheet also having inner edge portions which are secured to the arms.

1,504,511. NUT LOCK. SAMUEL E. ROSS, Evanston, Ill. Filed Dec. 9, 1921. Serial No. 521,228. 5 Claims. (Cl. 151—36.)



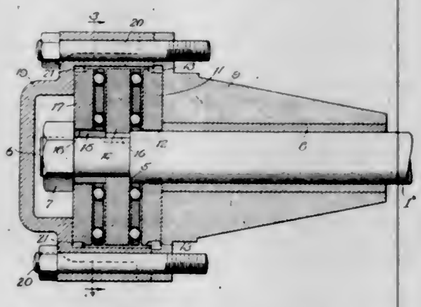
1. A nut lock of substantially annular form and constructed and designed concavo-convex in cross section to permit axial cross sectional deformation by bending within the elastic limit, the nut lock being cut at one point in its circumference to provide spaced ends, and the ends being displaced axially to provide biting edges on opposite sides thereof.

1,504,512. LOCK FOR GREASE-CUP PLUGS. FRED T. ROWLAND and WILLIAM H. LE GRESLEY, Emporia, Kans. Filed Oct. 1, 1923. Serial No. 665,920. 5 Claims. (Cl. 184—48.)



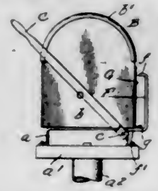
3. A grease cup having, in combination, an internally threaded body portion, a plug in threaded engagement with the interior thereof, said plug having a wrench socket, a locking spring arranged for movement in said plug to cause its end to engage or disengage the thread of said body portion, and means whereby said spring may be operated by the insertion and withdrawal of a wrench for rotating the plug, to effect a locking and unlocking engagement between said spring and said grease cup.

1,504,513. THRUST BEARING. GEORGE E. RUFFNER, Racine, Wis. Filed Sept. 12, 1921. Serial No. 500,250. 2 Claims. (Cl. 64—99.)



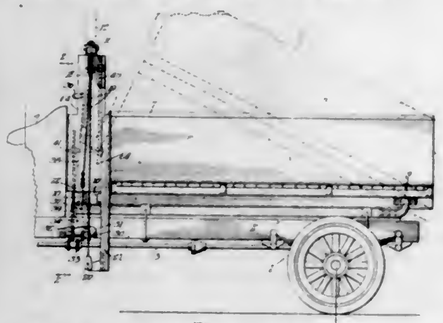
1. In a thrust bearing, the combination of a support, a shaft journalled therein and projecting at one end thereof, a thrust collar secured on the projecting portion of the shaft, a bearing plate bearing against and secured to the said end of the support, anti-friction devices between the collar and the bearing plate, a bonnet housing the projecting end of the shaft, the collar and the bearing plate and secured to the support, a second bearing plate within and secured to the bonnet and located at the outer side of the thrust collar, anti-friction devices between the collar and the second bearing plate, the shaft having a shoulder engaging the inner side of the collar, and a nut on the end of the shaft and provided with a part engaging the thrust collar and clamping the same against the shoulder.

1,504,514. MAIL BOX. FRANK GEORGE RYTHER, Copenhagen, N. Y. Filed Oct. 4, 1923. Serial No. 666,486. 10 Claims. (Cl. 232—17.)



1. In a box, the combination of a box body portion, a cover portion therefor having a dependent skirt surrounding said box body portion, mechanism for moving said cover portion upwardly in a substantially vertical direction, and means engaging said cover portion after a predetermined upward movement thereof to convert the upward movement imparted thereto by said mechanism into a tilting movement.

1,504,515. MECHANICAL HOIST FOR TRUCKS. ALBERT T. SCANNELL, Chicago, Ill. Filed Nov. 15, 1919. Serial No. 338,188. 6 Claims. (Cl. 298—21.)

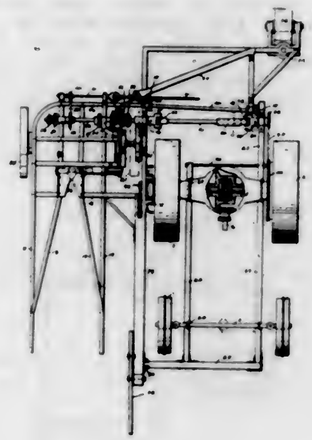


1. In a hois , a slidable ram, a beam loosely supported on two pivots carried by said ram at the top thereof, one of said pivots being disposed on each side of the longitudinal axis of said ram and the load being supported from opposite ends of said beam, whereby the latter may rock from one of said pivots to the other to provide a long or a short lever arm on either side of said longitudinal axis depending upon the distribution of the load between the opposite ends of said beam.

1,504,516. SUPPORTING AND DRIVING ATTACHMENT FOR MOTOR-DRIVEN VEHICLES. ARNO SCHMECHEL and GEORGE SCHUBERT, Thiensville, Wis. Filed May 12, 1923. Serial No. 638,581. 18 Claims. (Cl. 180—53.)

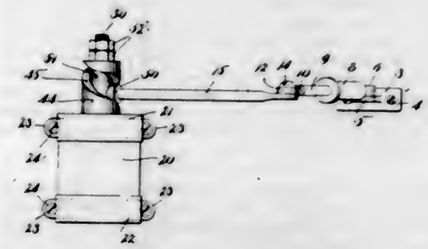
1. A supporting and driving attachment for tractors comprising the combination of an auxiliary frame adapted to be detachably connected with the tractor axles, a beam pivotally hung from said frame and from one of the tractor wheels and adapted to support one side of an auxiliary machine frame, a driving gear connected with the opposing tractor wheel, and associated power

transmitting mechanism journaled in said detachable frame and extending transversely of the tractor and said



connecting beam and provided with coupling means, whereby it may be operatively connected with power operated mechanism on the auxiliary machine.

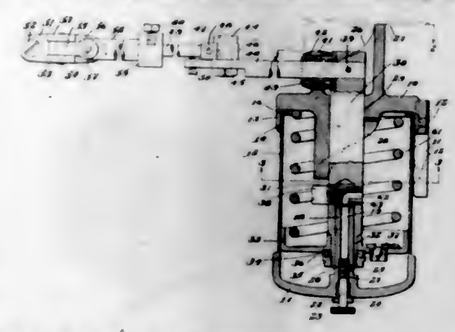
1,504,517. DOOR CHECK. ABRAHAM SCHNITZLER, Roxbury, Mass. Filed Mar. 4, 1922. Serial No. 541,204. 4 Claims. (Cl. 16—70.)



1. Door closing apparatus of the kind described, comprising a movable link and lever, a spring permitting opening of the door against its tension and thereafter automatically acting to close said door, restraining means comprising a cam path and roll traversing the same, during its door closing action, so constructed and arranged as to relieve the restraining means just before the closing action is completed.

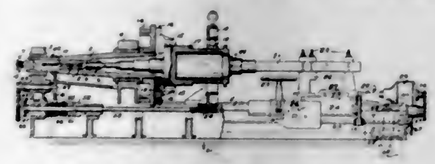
1,504,518. DOORCHECK. ABRAHAM SCHNITZLER, Boston, Mass. Filed Nov. 17, 1922. Serial No. 601,502. 2 Claims. (Cl. 16—70.)

1. Door closing apparatus of the kind described a movable link and lever, a spring permitting opening of the door against the tension of the spring and thereafter automatically acting to close said door, restraining means for said spring including a cam path and roll traversing the same during its door closing action, said cam terminating short of the complete door closing ac-



tion, and a safety cam restraining means associated with said spring for restraining the door closing apparatus at the initiation of the door closing action.

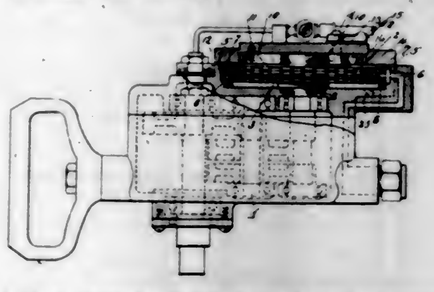
1,504,519. LATHE. CHARLES ED. SEARCH, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Original application filed Mar. 25, 1918, Serial No. 223,393. Divided and this application filed Mar. 20, 1922. Serial No. 544,994. 14 Claims. (Cl. 82—21.)



1. In a lathe, a work support, a tool support, a feed shaft for said tool support, a motor cooperable with said shaft to move said tool support relatively to said work support in one direction, and an independent motor cooperable with said shaft to move said tool support in the opposite direction.

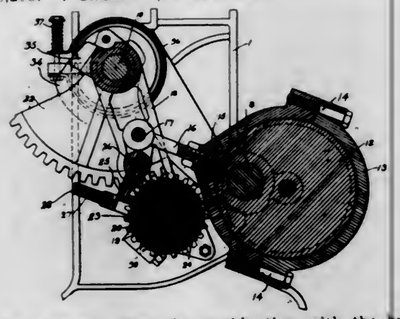
10. In a lathe, a tool support, a threaded shaft for moving said support in opposite directions, a motor having a permanent driving connection with one end of said shaft, and a second motor having a releasable driving connection with the opposite end of said shaft.

1,504,520. TURBINE WHEEL. LOUIS H. SEIBEL, Lakewood, Ohio. Filed Apr. 3, 1922. Serial No. 549,114. 7 Claims. (Cl. 253—2.)



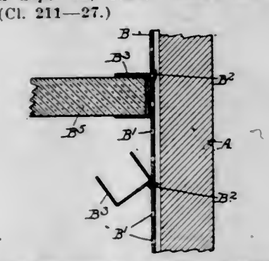
1. In a laminated turbine wheel, a metal stamping, comprising a disc having spaced and inclined alternate projections and recesses in its sides adjacent to its outer edge, and an annular groove in one side communicating with the recesses in that side.

1,504,521. PAPER-CUTTING MACHINE. CHARLES SEYBOLD, Dayton, Ohio. Filed Oct. 20, 1920. Serial No. 418,205. 7 Claims. (Cl. 164—54.)



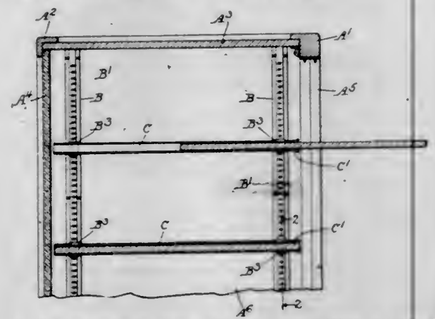
1. In a paper cutter, the combination with the knife driving mechanism and a rock shaft for actuating the clamp, of means for rocking the shaft comprising a member fixed thereto and a member loosely mounted thereon in engagement therewith a friction clutch for the loosely mounted member and means for actuating said member to rock the clamp actuating shaft and actuate the clamp in both directions.

1,504,522. SHOW CASE. WILLIAM T. SHERER, Evanston, Ill. Filed Sept. 11, 1922. Serial No. 587,291. 2 Claims. (Cl. 211—27.)



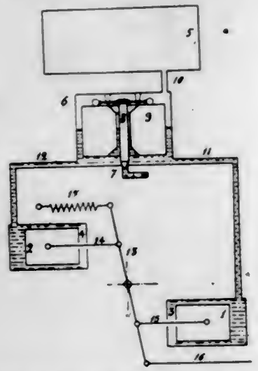
2. In a shelf assembly, a plurality of vertical supports provided with vertically aligned apertures, shell supporting channel irons adapted to be adjustably and removably supported upon said vertical supports and shelves slidably mounted in said channel irons, and supporting means for said channel irons comprising lugs inwardly and upwardly projecting from a point adjacent the upper angle of each channel iron and adapted to penetrate said apertures, said lugs constituting means for holding the said channels against longitudinal movement in relation to said supports.

1,504,523. ADJUSTABLE SHELF SUPPORT. WILLIAM T. SHERER, Chicago, Ill. Filed Feb. 5, 1923. Serial No. 616,957. 6 Claims. (Cl. 211—27.)



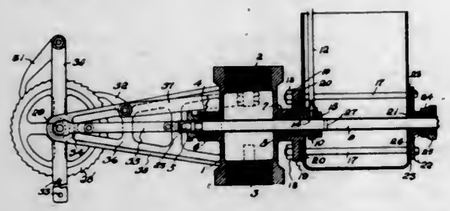
1. An adjustable shelf support comprising a plurality of adjacent supporting elements, holding members vertically adjustable upon each of them and a shelf supporting track mounted in said holding members, said track being secured against longitudinal movement in relation to one of said holding members and being in slidable contact with the other of said members.

1,504,524. CONTROL OF PETROL CARBURETORS FOR AEROPLANE AND AIRSHIP ENGINES. FIRMIN SMAL, Couthuin, Belgium, and CAMILLE TURQUOIS, Paris, France. Filed Nov. 17, 1920. Serial No. 424,688. 1 Claim. (Cl. 137—156.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



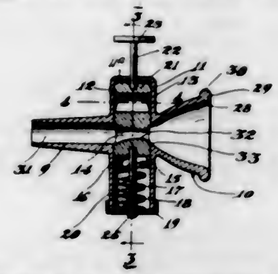
An apparatus for automatically controlling a carburetor for aeroplanes, according to the changes in atmospheric pressure and temperature, due to different altitudes, said apparatus comprising an airtight reservoir, filled with air, and communicating with another airtight reservoir, partially filled with air and partially with oil, the oil level being kept at a constant height by means of an oil feeding pipe and a suitable controlling device, such as a float combined with a needle valve, the oil of the reservoir communicating by means of two tubes with a pair of cylinders in each of which moves a single acting piston, not provided with rings, and the free side of which is open to the pressure of the outside air, the connecting rods of the pistons being attached respectively to the two arms of a lever pivoted at a point between its ends in such a way that the combination of pistons, levers and connecting rods is balanced, the two extremities of the lever being respectively attached, one to a reaction spring and the other to a suitable cable or rod connection with the altimetric correcting device of the carburetor.

1,504,525. VALVELESS LUBRICATOR. FRANK R. SPINNEY, Fort Worth, Tex., assignor, by mesne assignments, to The Valveless Lubricator Co., Fort Worth, Tex., a Corporation of Texas. Filed Nov. 22, 1921. Serial No. 517,004. 5 Claims. (Cl. 184—79.)



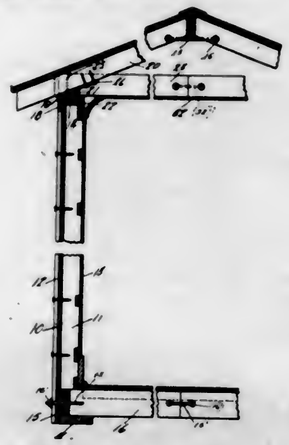
1. A lubricator comprising a body coupling member to be interposed in a steam line and having bearing members, and a race therein and through said bearing members, packing glands formed in said bearing members, an air-cooled plunger provided with an oil carrying pocket and being hollow throughout its length and ends for circulation of air, means for reciprocating said plunger through said bearings and said coupling member, and means for charging said pocket with a lubricant.

1,504,526. DUPLEX-APERTURE MOUTHPIECE. CHARLES E. STACY, Los Angeles, Calif., assignor to Frank C. Olds, Los Angeles, Calif. Filed Nov. 21, 1921. Serial No. 516,793. 4 Claims. (Cl. 84—399.)



4. A mouthpiece for wind instruments comprising a casing, a tube having a bore opening to said casing, a mouthpiece opening to said casing opposite the bore, a plunger mounted to reciprocate in said casing transversally of the tube having a plurality of apertures of different diameters adapted to be positioned in register with the bore of the tube, means whereby said plunger may be depressed from the exterior of said casing, and a spring for opposing depression of the plunger and for restoring it to a normal position.

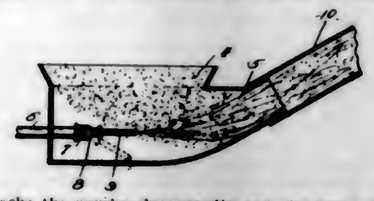
1,504,527. BUILDING CONSTRUCTION. JACK E. STEGALL, Tulsa, Okla. Filed Jan. 23, 1923. Serial No. 614,362. 6 Claims. (Cl. 20—2.)



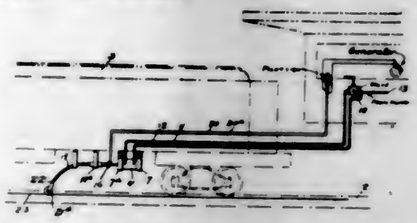
1. In a building construction, the combination of a side wall having a plate at its top, a plurality of spaced fastening members mounted on the plate, ceiling joists engaging said members and resting on said plate, roof rafters, and keepers carried by said rafters and engaging said fastening members for uniting the side walls and the rafters, said joists holding the side walls against spreading.

1,504,528. STEAM-FUEL FEEDER. CHRIS L. STRANDRUD, Seattle, Wash. Filed Oct. 7, 1922. Serial No. 593,159. 1 Claim. (Cl. 110—102.)

In combination, a furnace, including a fire box, a saw dust receiving hopper located in front of the furnace, a steam pipe extending into the front end of the hopper, a horizontal pipe mounted at the inner end of and communicating with the steam pipe, a series of nozzles communicating with the horizontal pipe and projecting rearward therefrom and underlying the hopper entrance, said nozzles being mounted for swinging movement with respect to said horizontal pipe, whereby when saw dust is thrown into the hopper and on the nozzles the weight of the saw dust rocks the nozzles downwardly and the force of the steam passing through the nozzles subsequently rocks the later upwardly and agitates the saw dust.

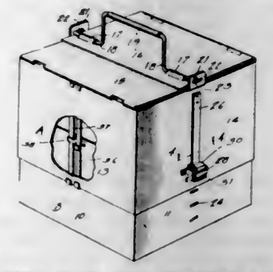


1,504,529. FLUID-CONTROLLED SIGNAL-OPERATING MECHANISM. JOHN BELL STROUD, Pass Christian, Miss. Filed July 21, 1923. Serial No. 652,962. 2 Claims. (Cl. 246—192.)



1. A fluid controlled signal operating mechanism for use with semaphores comprising a cylinder adapted to be arranged below the floor of a locomotive tender, a piston therein, means for controlling the flow of liquid to and from the respective ends of the cylinder, a rod rigid with the piston and extending through the cylinder head; a cross bar rigid with the end of said rod and horizontally disposed with apertures at its respective ends, adapted to carry flexible tubes rigid therewith, wires forming electrical connection with generator and lamp in locomotive cab, said wires passing into flexible tubes and forming connection with forked member carried on the dependent ends of said flexible tubes, trolleys pivotally connecting with said forked members adapted to contact with cables extending along the rails of a railway, clamp members rigid with said rails, adapted to support said cables; wires forming connection with said cables and connecting with lamp and horn in semaphore box set up at a grade crossing; means for flashing said lamp and means for intermittent sound of horn, substantially as described and for the purpose specified.

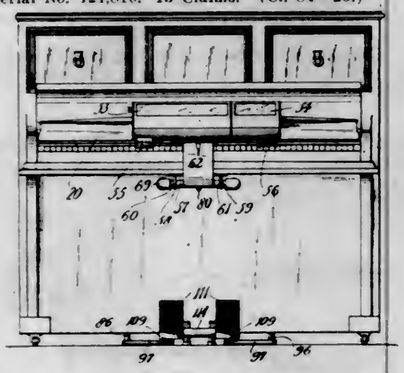
1,504,530. EXPANSIBLE EGG CASE AND THE LIKE. RUFFIF L. THOMAS, Milford, Mo. Filed Aug. 23, 1923. Serial No. 658,908. 5 Claims. (Cl. 220—6.)



1. In a device of the class described a pair of telescoping members arranged to form a container, means for locking said members relative to each other for

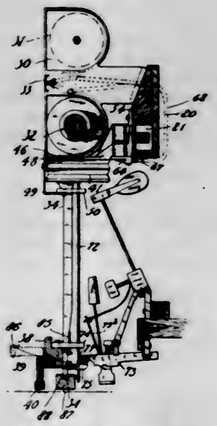
forming a container of various heights, said last means including strap members on the sides of one of said members having parts adapted to project into the sides of the other of said members and means for locking said strap members against accidental movement.

1,504,531. PIANO PLAYER. HENRY THOMSON, Perth, Western Australia, and WILLIAM R. OYSTON, Kensington, near Sydney, New South Wales, Australia; said Oyston assignor to said Thomson. Filed Nov. 18, 1920. Serial No. 424,810. 13 Claims. (Cl. 84—25.)



1. In piano player apparatus, a chest having a vacuum chamber, a series of operating pneumatics corresponding in number to the keys of the keyboard of a piano, said pneumatics being connected to the vacuum chamber and arranged in a single longitudinal row in parallel relation; and means to support the chest upon the piano casing with the pneumatics above the piano keys.

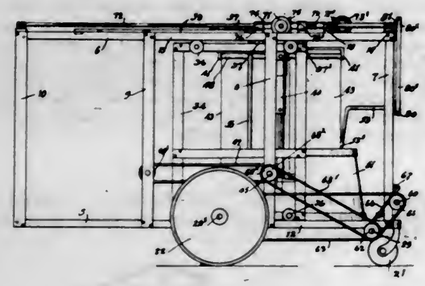
1,504,532. PIANO PLAYER. HENRY THOMSON, Perth, Western Australia, and WILLIAM R. OYSTON, Kensington, near Sydney, New South Wales, Australia; said Oyston assignor to said Thomson. Filed Nov. 18, 1920. Serial No. 424,811. 32 Claims. (Cl. 84—24.)



3. In piano player apparatus, an operating pneumatic having a stationary plate, two floating plates disposed at one side of the stationary plate and an envelope of flexible material for said plates, said envelope being attached to the stationary plate and carrying the floating plates and arranged to collapse upon the exhaust of air and draw the floating plates toward the stationary plates, a rod secured to a floating plate of said pneumatic, and means carried by said rod to operatively connect the rod to and actuate the wippen of the piano action by the movement of said rod caused by the collapsing of the pneumatic.

20. In piano player apparatus, a chest having a vacuum chamber; brackets for supporting said chest in the piano casing; pneumatic control valve casings mounted on said chest in communication with the vacuum chamber; pneumatics carried by said casings in communication therewith and arranged in parallel relation in a horizontal row; rods secured to said pneumatics arranged with means to actuate the hammer actions of the piano, said vacuum chest, valve casings and pneumatics being of unitary construction whereby the same may be mounted in and removed from a piano case as a unit.

1,504,533. SHOCKING MACHINE. THOMAS WADGE and BERNARD JOSEPH DESMOND, Winnipeg, Manitoba, Canada. Filed Sept. 1, 1920. Serial No. 407,394. 6 Claims. (Cl. 56—413.)



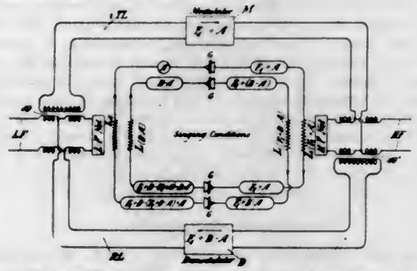
5. In a shocking machine, the combination with a rotatably mounted table on which the shock is formed, of a plurality of curtains suspended above the table and forming sheaf receiving compartments and means for folding the curtains to withdraw them from the shock formed on the table.

1,504,534. AERONAUTICAL DEVICE. ISRAEL I. ZIPERSTEIN, Chicago, Ill., assignor of twenty per cent to Julius B. Rubenstein and five per cent to Jacob S. Guthman. Filed Apr. 6, 1922. Serial No. 550,099. 20 Claims. (Cl. 244—14.)



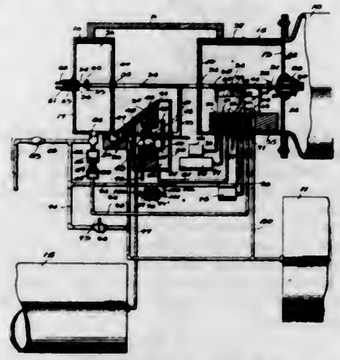
1. In a device of the character described, in combination, a pair of semi-cylindrical planes revoluble in a circular path but maintaining a parallel relation to a horizontal plane, an axis for said planes equidistant therefrom, and a propeller adapted to direct a current of air through said planes, said propeller being mounted on said axis.

1,504,535. MULTIPLEX TRANSMISSION CHANNEL. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1920. Serial No. 434,222. 12 Claims. (Cl. 170—15.)



1. The method of two-way carrier transmission which consists in transmitting in opposite directions two carriers separated in frequency by an amount approximating the width of the signaling band involved in low frequency transmission, modulating said frequencies by low frequency signaling bands so that the upper side band corresponding to one carrier frequency overlaps the lower side band corresponding to the other carrier frequency.

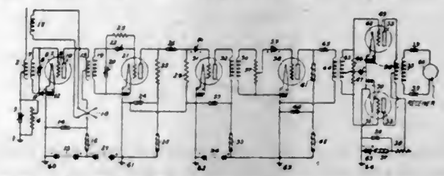
1,504,536. AIR BRAKE. GEORGE ALUS ANDERSON, Santa Rita, N. Mex., assignor or one-eighth to Walter M. Mercer, one-eighth to Robert T. Taper, and one-eighth to Victor H. Waggoner, all of Santa Rita, N. Mex. Filed Jan. 19, 1923. Serial No. 613,701. 17 Claims. (Cl. 303—37.)



1. An air brake apparatus of the character described, including in combination, brake cylinders, a train pipe or line connected with a source of compressed air, a chamber communicating directly with said train pipe and having a depressible wall, means adapted to be actuated by said depressible wall whereby with the air pressure within the train pipe reaching a predetermined degree the reservoirs will be charged from said train pipe with compressed air, and means associated with said depressible wall whereby upon the air pressure within said train line or pipe receding or decreasing a predetermined degree, the reservoir will be connected to supply compressed air to said brake cylinder.

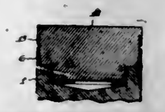
1,504,537. POWER-LIMITING AMPLIFYING DEVICE. HAROLD DE FOREST ARNOLD, Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Sept. 3, 1915, Serial No. 48,873. Renewed Sept. 14, 1922. Serial No. 588,285. 38 Claims. (Cl. 250—20.)

29. The method of overcoming the effects of static disturbances in a wireless signaling system which consists in producing at a receiving station by means of the signaling current an alternating crrent having a frequency much lower than the transmitted radio frequency cur-



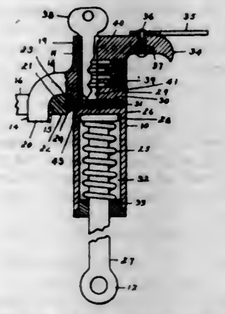
rent, and passing this current through a circuit containing a device for limiting the energy passing therethrough to a predetermined value.

1,504,538. PISTON. OLIVER E. BARTHEL, Detroit, Mich. Filed Apr. 10, 1922. Serial No. 551,004. 7 Claims. (Cl. 74—108.)



1. A piston comprising a body having an annular feather edge, and a detachable end member connected to said body and cooperating therewith in forming an annular recess.

1,504,539. AUTO HOOD LOCK. CHARLES BOBER, New Britain, Conn., assignor of one-half to Thomas Kobynos, New Britain, Conn. Filed Jan. 18, 1923. Serial No. 613,319. 2 Claims. (Cl. 70—14.)

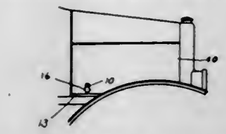


1. In combination in an auto-hood lock structure, a chassis of an automobile and a hood supported thereby, said hood having a laterally directed lug that has an eye opening, a hood-clamp structure of generally vertically elongated form that is pivotally connected by its lower end to said chassis and is provided at its upper end with a hook for being engaged with said eye opening, said hood-clamp structure comprising two main parts that are connected for relative movement, said parts comprising an upper part that supports said hook and a lower part that has the above mentioned pivotally connected lower end, said lug and upper part having in the engaged position opposed and adjacent wall portions, a lock supported by said upper portion, and said lock having a bolt for locking together said opposed and adjacent wall portions.

1,504,540. CLAMP-LOCK COMBINATION FOR AUTO HOODS. CHARLES A. BOBER, New Britain, Conn., assignor of one-half to Thomas Kobylaz, New Britain, Conn. Filed Dec. 13, 1923. Serial No. 680,336. 1 Claim. (Cl. 70—14.)

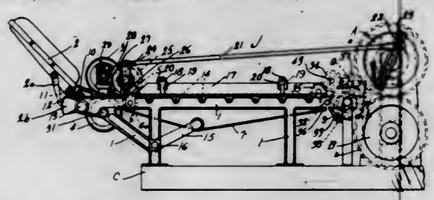
A clamp-lock combination for auto-hoods comprising an upper part and a lower part telescopically connected together and having a spring that tends to draw said

parts together to the closed position, said upper part having a bore and a portion of said lower part fitting and operatively housed within said bore, key operated locking



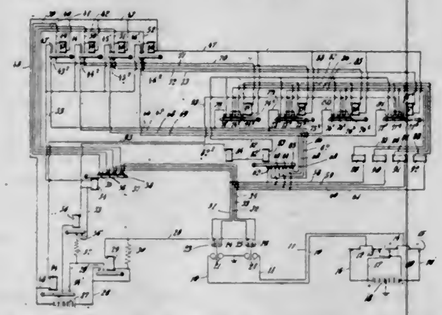
mechanism comprising spring tumblers, and said spring tumblers being operatively housed in opposed and adjacent portions of the wall of said bore and said portion of the lower part.

1,504,541. FEEDING MECHANISM FOR PAPER MACHINES. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,046. 6 Claims. (Cl. 271—39.)



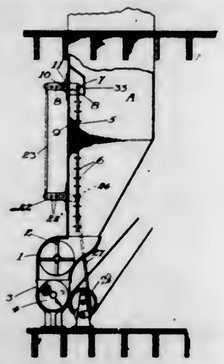
1. A paper feeding mechanism, including in combination with a main machine, a longitudinal frame connecting at one end with said main machine, an inclined table arranged at the opposite end of said frame to receive paper sheets in quantities, pick-up mechanism operable intermittently through connections with said main machine and adapted to deliver the paper sheets singly from said table, paper feeding mechanism arranged at the opposite ends of said frame coacting with a paper carrier operable between said opposite paper feeding mechanisms, means for interrupting the effective operation of the feeding mechanism adjacent said main machine, and other means for stopping the paper on the paper carrier during said period of interruption, whereby the paper is delivered from said table in single sheets to said main machine.

1,504,542. ELECTRIC DISTRIBUTING SYSTEM. GEORGE A. CARDWELL, New York, N. Y., assignor to National Electric Distributor Corporation, a Corporation of Delaware. Filed Aug. 21, 1919. Serial No. 318,974. 5 Claims. (Cl. 178—31.)



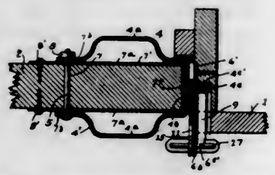
3. An electric distributing system comprising a main line extending between a sending station and a receiving station, means at the sending station for transmitting successive electric impulses over said main line, a group of working magnets at the receiving station, normally open circuits for said magnets including a holding magnet, means responsive to an impulse over said main line to close the circuit of a selected magnet of said group, holding circuits for the magnets of said group for maintaining energized the selected magnet, said holding circuits including a normally open contact adapted to be closed upon the energization of said holding magnet, means for preventing the de-energization of said holding magnet between successive impulses, a second group of working magnets, and means controlled by the selected magnet of said first mentioned group to partially close the circuit of certain of the magnets of said second mentioned group, said impulse-responsive means serving to close a selected one of said partially closed circuits upon a succeeding impulse being transmitted over the line, whereby the magnet associated with said closed circuit will be energized, substantially as specified.

1,504,543. FEEDING AGITATOR. EMIL R. DRAVER, Richmond, Ind., assignor to B. F. Gump Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 16, 1921. Serial No. 522,747. 4 Claims. (Cl. 259—47.)



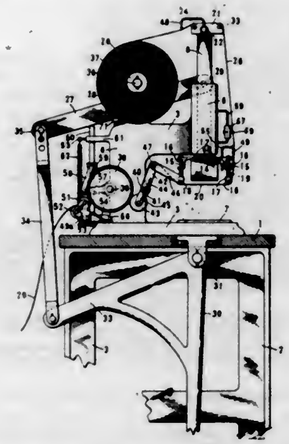
1. In a feeding agitator, the combination with a hopper, of a pair of rock shafts journaled exteriorly of said hopper, mechanical means for operating one of said shafts, an arm rigidly carried by each shaft and projecting laterally of said hopper, a rod connecting said arms for operatively connecting said shafts, said hopper having a slot, an arm rigidly carried by one of said shafts and projecting through said slot into said hopper, and a stirrer pivotally connected to the last mentioned arm and adapted to be swingingly reciprocated by the aforementioned elements.

1,504,544. DOOR LATCH. ALCUIN E. KINTNER, Painesville, Ohio, assignor, by mesne assignments, to The Neff Company, Cleveland, Ohio, a Corporation. Filed Oct. 6, 1921. Serial No. 505,911. 13 Claims. (Cl. 292—238.)



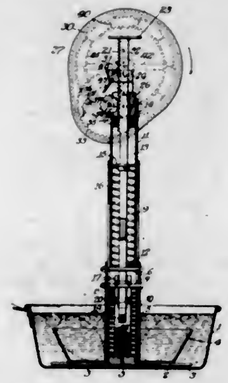
1. In a door latch, the combination of a latch adapted to be pivoted to a door, a keeper comprising a plate having a notch in its upper portion arranged to receive said latch, and a locking member movably mounted on said keeper and having arms, one arranged to overlie said latch when it is in said notch to lock it therein and the other arranged to be secured to said keeper to maintain the first mentioned arm in locking position.

1,504,545. DECALCOMANIA-TRANSFERRING MACHINE. GEORGE CHADWICK, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,893. 19 Claims. (Cl. 41—7.)



1. A decalcomania transferring machine comprising a movable presser iron adapted to press a transfer tape against work to be marked, a lever to actuate the presser, a drum to feed the tape, and a bar moved by the lever to rotate the drum.

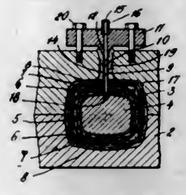
1,504,546. AUTOMATIC COOKING DEVICE. WILL ESPY CURTIS, Evanston, Ill. Filed Feb. 23, 1917. Serial No. 150,470. 10 Claims. (Cl. 161—16.)



1. A chronometric regulating device comprising, in combination, a source of power, a member consisting of a tube bent into endless form with its ends welded together, means for introducing liquid into said member arranged substantially diametrically opposite to said welded connection, a series of restrictions within said member adapted to check the flow of fluid through said member under the action of gravity when the member is rotated, whereby the rotation of said member is checked with a force increasing with its speed of rotation, and substantially constant speed of rotation is obtained.

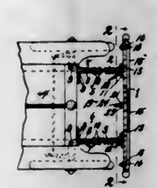
1,504,547. PROCESS OF MOLDING HOLLOW ARTICLES. HENRY C. EGERTON, Ridgewood, N. J. Filed Apr. 16, 1919, Serial No. 290,360. Renewed Jan. 26, 1924. 21 Claims. (Cl. 18—55.)

1. The process of molding and curing hollow articles comprising cloth fabric carrying incorporated phenolic-condensation cementing material, which comprises forming a substantially rigid solid core of fusible metallic material, incorporating with said fusible core a communicating pressure connection, winding and arranging thereon layers of cloth and paper carrying dry phenolic condensation cementing material and a metallic stiffening member until the article blank has substantially the



desired size and thickness of walls, compressing said blank and core in a substantially rigid sectional curing mold, heating the blank and core and subjecting said core to high fluid pressure to force the layers of fabric together and outward against the mold cavity during the heat curing of the cementing material and melting and removing said fusible core.

1,504,548. BUMPER FOR VEHICLES. WILLIAM M. GENTLE, Los Angeles, Calif., assignor of one-half to Robert Bruce Gentle, New York, N. Y. Filed Dec. 18, 1923. Serial No. 681,362. 3 Claims. (Cl. 293—55.)



1. The bumper for vehicles set forth comprising a bar; a coiled spring having flattened ends that are aligned and arranged central to the longitudinal axis of said spring; and bolts extending through bolt holes in said spring ends for securing said spring to said bar and a vehicle, said bolts adapted to prevent pivotal movement of the spring ends.

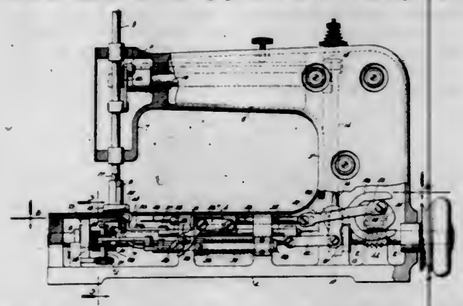
1,504,549. METHOD OF PREPARING SILICEOUS MATERIAL. FRANCIS X. GOVERS, New York, N. Y. Filed Aug. 7, 1923. Serial No. 656,298. 2 Claims. (Cl. 23—28.)

1. The method of preparing silicic acid, which comprises forming a jelly-like mass of colloidal silicic acid, drying the mass with the impurities therein until it will no longer revert to its prior gelatinous colloidal form in the presence of water, washing the dried material and again drying it.

1,504,550. FLAT-FELL SEWING MACHINE. HORACE F. GRUMAN, Jackson, Mich., assignor to Gruman Special Machine Company, Jackson, Mich. Filed Aug. 10, 1922. Serial No. 580,891. 12 Claims. (Cl. 112—120.)

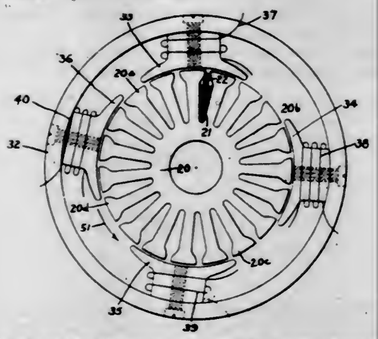
1. In a machine for forming a flat fell seam in which edge portions of material are united by a line of stitching and the united portions then folded upon the body of material and united thereto by a second line of stitching, all in a single passage of the material through the machine; the combination with needles for forming said lines of stitching arranged in angular relation to each other, and folding means for folding the material; of mechanism

for operating said needles in timed relation to each other, one of said needles being positioned above the plane of



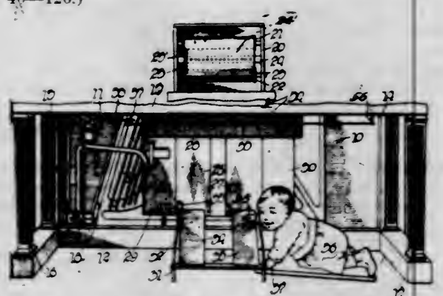
the passage of the body of material through the machine and the other of said needles being positioned below said plane.

1,504,551. DYNAMO-ELECTRIC MACHINE. NELSON R. HAAS, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,504. 3 Claims. (Cl. 171—252.)



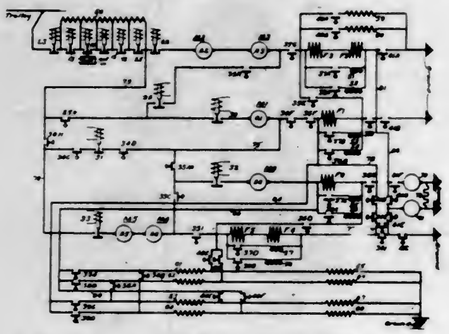
1. In a dynamo-electric machine, the combiantion of a supporting means; a plurality of pole pieces attached to the said means at irregular intervals; and an armature core having teeth adapted to simultaneously pass the trailing tips of the pole pieces.

1,504,552. ADVERTISING DEVICE. CHARLES W. HALES, Chicago, Ill., assignor to Gulbransen-Dickinson Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1920. Serial No. 363,033. 15 Claims. (Cl. 40—126.)



1. The combination with a continuously playing musical instrument, of means associated therewith and actuated thereby for indicating the manner and ease with which the instrument may be played, and means for continuously playing the instrument.

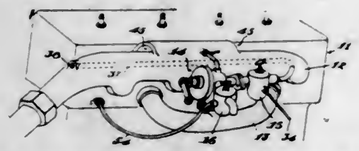
1,504,553. SYSTEM OF CONTROL. ARTHUR J. HALL, Winchcombe, England, PAUL L. MARDIS, Swissvale, Pa., and ALEXANDER MCIVER, Deer Lodge, Mont., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,159. 46 Claims. (Cl. 172—179.)



1. The combination with a movable member and electrical means for actuating it in a certain direction, of a switching device, means associated with said member for permitting movement thereof for a predetermined distance and means associated with said switching device and independent of said member for permitting continuance of said movement when said device occupies a certain position.

6. In a system of control, the combination with a plurality of dynamo-electric machines, of a movable device having an actuating coil and main and auxiliary contact members for effecting a transitional operation of said machines, and an electrically-controlled switch adapted to be opened by said device during such operation, one of said auxiliary contact members being connected in circuit to energize said coil for the initial portion of the travel of said device, and said switch having an interlock connected to permit the energization of said coil and the completion of said travel after the switch has opened.

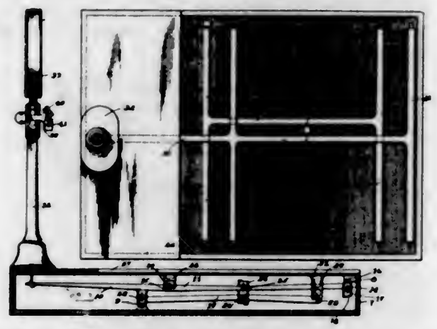
1,504,554. CHARGE-FORMING DEVICE. CARL HALLAUER, Brawley, Calif. Filed July 23, 1923. Serial No. 653,229. 9 Claims. (Cl. 123—25.)



1. In a charge forming device, an intake manifold, a valve formed with a chamber having an outlet adapted on operation of the valve to effect variable communication with the intake manifold, said valve adapted to receive warm air, a mixture of cold air and water, a mixture of hot air and fuel from separate inlets leading to the valve chamber, said inlets and outlets being adapted on operation of said valve to effect variations in the proportions of the warm air, cold air and water mixture, and hot air and fuel mixture received by said chamber.

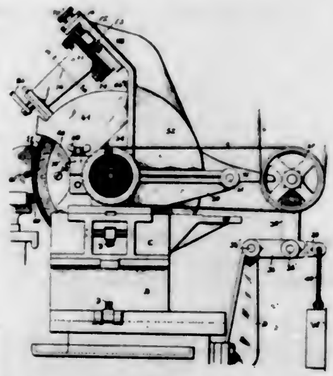
1,504,555. WEIGHING SCALE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Original application filed July 25, 1914. Serial No. 853,061. Divided and this application filed Apr. 26, 1920. Serial No. 376,724. 12 Claims. (Cl. 265—62.)

1. In a weighing scale, in combination, a pair of platform levers each comprising a longitudinally-extending member, a transverse member at one end of the longitudinally-extending member, fulcrum pivots on said transverse member, arms extending laterally from said



longitudinally-extending member, load pivots on said arms, and means connecting said levers between said transverse members and said arms.

1,504,556. GRINDING MACHINE. HARRY E. HARRIS, Bridgeport, Conn. Filed Apr. 22, 1920. Serial No. 375,659. 2 Claims. (Cl. 262—11.)



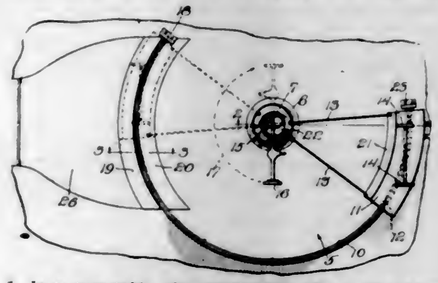
1. In a grinding machine, a grinding wheel, a support adjacent thereto, a slide carried by said support and adjustable thereon toward and from the cutting portion of said wheel, a pair of posts pivoted at one end to said slide, and angularly adjustable thereon, slideways at the opposite ends of said posts, a truing tool slidably mounted in each of said slideways, said tools being movable in non-intersecting paths and independent manually actuated means for moving said tools in said slideways across the cutting portion of said wheel.

1,504,557. GASEOUS FUEL. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 5, 1920. Serial No. 349,588. 1 Claim. (Cl. 48—199.)

A gas for the purpose specified comprising a mixture of hydrogen with from fifteen to fifty per cent by volume of coal gas of substantially the following composition:

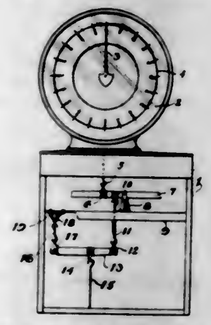
	Parts.
C_6H_6	.5
C_nH_{2n}	4.3
CO	8.0
H_2	47.0
CH_4	36.0
O_2	.4
N_2	2.2

1,504,558. TURNTABLE AND THE LIKE. JOHN B. HAWLEY Jr., Colorado Springs, Colo. Filed Feb. 12, 1923. Serial No. 618,447. 5 Claims. (Cl. 104—44.)



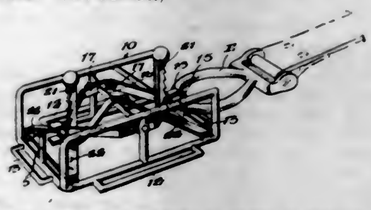
1. In a turn-table, the combination of a central wheel support pivoted for rotation about a central axis, a circular trackway extending around said wheel support as an axis, a platform journaled upon said track, a radial connection from the central wheel support to the platform, an end stop at each end of said track, a spring for operating on the wheel support to turn the same and restore the platform to its initial position against one of said stops, a suitable approach adjacent to the other stop, and a floor between the central wheel support and the track, whereby when the front wheels of a vehicle are carried by the platform one of the rear wheels may be carried by the wheel support and the other rear wheel may travel on the floor, substantially as described.

1,504,559. FULCRUM SUPPORT. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Apr. 5, 1920. Serial No. 371,277. 8 Claims. (Cl. 265—49.)



1. In a device of the class described, in combination, a bracket, a knife edge pivot secured to said bracket, a link depending from said pivot, and a shelf lever, said shelf lever having its fulcrum supported by said link.

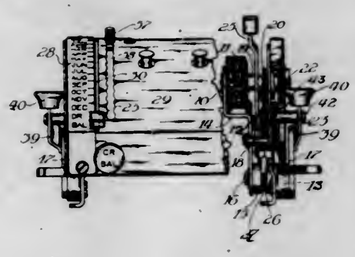
1,504,560. TRACE CARRIER. FRED C. KRAUSE, Mansfield, S. Dak. Filed Dec. 12, 1923. Serial No. 680,203. 1 Claim. (Cl. 54—56.)



A trace carrier comprising a frame, a pair of posts mounted on the frame and providing keepers, a shaft mounted on the frame, a pair of rockable yokes mounted

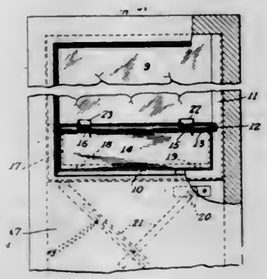
on the shaft, U-shaped holders mounted on the yokes and cooperable with the posts, a pair of latch levers pivotally mounted on the frame and cooperable with the holders, each latch lever having a plurality of teeth cooperable with its holder and having a knob whereby it may be released, and a single spring bent around the shaft and engageable with the latch levers for urging them into cooperation with their holders.

1,504,561. WORD-PRINTING DEVICE. HARRY LANDSIEDEL, Cincinnati, Ohio, assignor to Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 21, 1922. Serial No. 589,587. 8 Claims. (Cl. 101—94.)



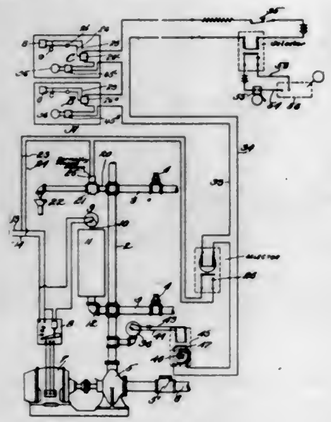
1. In a printing mechanism of the class described, the combination of a type carrier provided with type, means for setting the type carrier to the selected position, means for advancing the type carrier to the printing line, interlocking devices for preventing operation of the setting-up mechanism during the printing movements of the type carrer, a stationary index plate provided with inscriptions corresponding to movements of the setting-up mechanism, and an adjustable stop in close relation to the index plate and to the manually controlled portion of the setting-up mechanism to facilitate stopping the latter in convenient relation to a selected inscription on the index plate, substantially as described.

1,504,562. AUTOMOBILE DOOR. MORRIS LEFF, New York, N. Y. Filed Feb. 10, 1923. Serial No. 618,252. 1 Claim. (Cl. 296—44.)



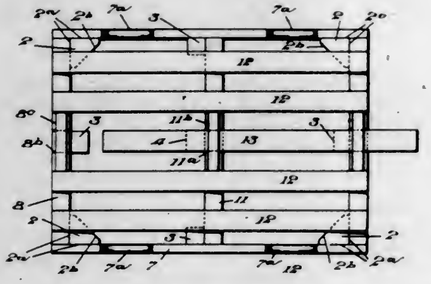
A window for vehicle doors comprising a frame arranged in said door, a glass in said frame and of less than the total length of said frame, a pivot pin supported in said frame and extending the full length of one edge of said glass, a shutter hingedly supported upon said pivot pin, said shutter comprising a frame having a glass therein, means for retaining said shutter closed, said means comprising coiled springs arranged upon said pivot pin and clips engaged upon the free edge of the first said glass, for receiving one end of said springs.

1,504,563. SUPERVISORY DEVICE FOR AUTOMATIC SPRINKLER SYSTEMS AND THE LIKE. ALBERT J. LOEPSINGER, Edgewood, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed Nov. 29, 1918. Serial No. 264,560. 12 Claims. (Cl. 177—382.)



1. A water system having a supply pump adapted to increase the service pressure in the system; means controlled by the pressure in the system for automatically starting and stopping the pump; means for giving a signal at a distant station on a predetermined decrease of pressure, and for giving another signal at the said station on a predetermined increase of pressure, a normally-closed valve controlling the escape of water from the system, and means controllable at said station, for opening and closing said valve at will.

1,504,564. WOODEN RECEPTACLE. LLOYD HAWLEY MCKEE, Fort Worth, Tex. Filed Jan. 15, 1921. Serial No. 437,456. 1 Claim. (Cl. 217—36.)

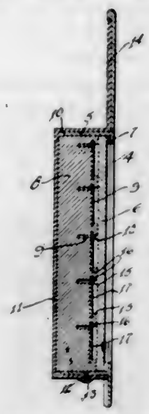


In a wooden receptacle, the combination of a bottom member; a plurality of posts attached to said bottom member; end, side and top slats attached to said posts, the outermost top slat on each side being spaced from the topmost side slat, and said topmost side slat being provided with reduced portions at points on its upper and lower edges to provide hand grips.

1,504,565. GRAVE MARKER. JOHN MALCOLM MCNEILL, St. Joseph, Mo. Filed Oct. 1, 1923. Serial No. 665,923. 2 Claims. (Cl. 40—124.5.)

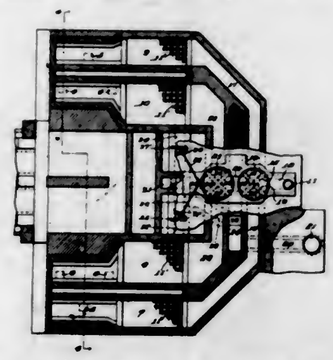
1. A grave marker of the character described comprising a rigid plate adapted for engagement with the earth adjacent the grave, said plate having an opening there-

through, a transparent window disposed in said opening, a block disposed at the rear of said window, means



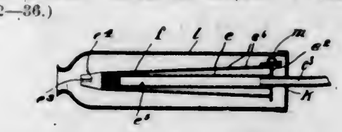
associated with said block for displaying legends relating to the deceased through said window, and a waterproof covering for the block.

1,504,566. FURNACE. NORMAN E. MACCALLUM, Phoenixville, Pa. Filed July 1, 1921. Serial No. 481,752. 4 Claims. (Cl. 263—15.)



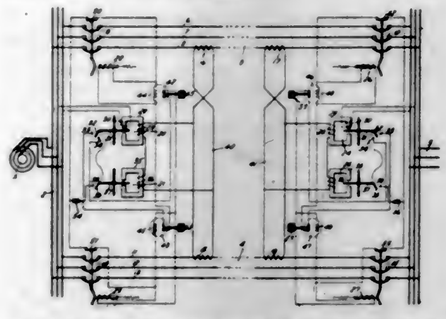
1. In a steel furnace of the reversible open hearth type, and provided with a hearth, regenerator chambers, reversing valves and a stack, the combination therewith of an auxiliary passage from the regenerator chambers to the stack and a valve or damper operated by said reversing valves for controlling the flow of outflowing gases through said auxiliary passage.

1,504,567. WAVING OF HAIR. WILLIAM MACDONALD and HUGH MACDONALD, Inverness, Scotland. Filed Oct. 5, 1923. Serial No. 666,800. 7 Claims. (Cl. 132—36.)



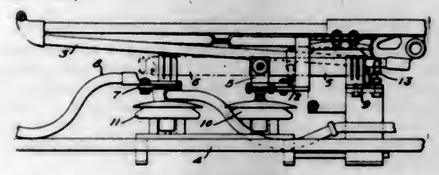
3. Improvements relating to the waving of hair including a hair waving appliance composed of an inner tubular member to which steam is supplied, an outer tubular member on which the hair is wound, the two tubular members being adapted to be rotated relatively to one another and means for locking such in the required position.

1,504,568. ELECTRICAL PROTECTIVE DEVICE. PAUL MACGAHAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1917. Serial No. 206,918. 12 Claims. (Cl. 175—294.)



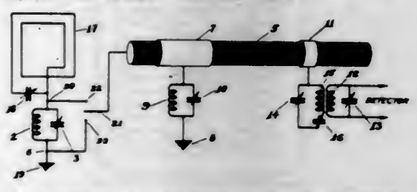
6. In a system of distribution, the combination with parallel-connected feeder conductors, interrupters for the respective ends of the conductors and automatic means for tripping the interrupters of a conductor when a fault occurs therein, of interlocking means between the interrupters at the corresponding ends of the conductors for rendering inoperative the automatic means associated with the interrupters of one conductor until sufficient time has lapsed to permit all the interrupters of a faulty conductor to be tripped, comprising a switch and an operating coil therefor associated with each tripping means and simultaneously energized therewith to open the switch, said switch being in the circuit of the other tripping means.

1,504,569. TROLLEY. PAUL L. MARDIS, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1921. Serial No. 442,389. 5 Claims. (Cl. 191—65.)



1. In combination, a pantograph frame adapted, when in advanced position, to conduct current from a line conductor to a second conductor, a switch member for connecting the frame to the second conductor and a bar on said frame, said switch being adapted to retain said bar and frame in retracted position.

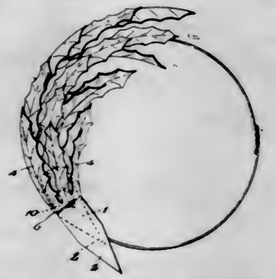
1,504,570. ELECTRICAL SIGNALING. JOSEPH O. MAUBORGNE, Chicago, Ill., and LOUIS COHEN, Washington, D. C. Filed July 26, 1922. Serial No. 577,664. 11 Claims. (Cl. 250—20.)



1. In a system for the reception of radio signals, the combination of an antenna, a loop circuit and ground constituting an antenna circuit, a wave coil connected to the junction point of the antenna and loop circuit,

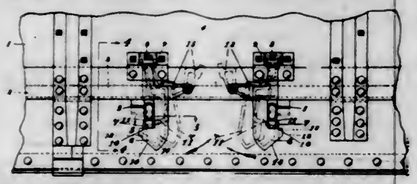
part of said wave coil being enclosed in a metal tube, said metal tube being grounded through an independent loop circuit, said wave coil being also electrically connected to a detector through an oscillating circuit.

1,504,571. WREATH. BURNS HENRY MARSHALL, Detroit, Mich. Filed Dec. 21, 1923. Serial No. 682,030. 7 Claims. (Cl. 41—12.)



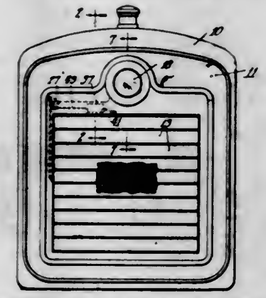
1. A wreath comprising a plurality of alternating foliage sections made of a flexible material and spacers, and means holding said foliage sections and spacers in ring formation.

1,504,572. DOOR-SUPPORTING MECHANISM. FRANK E. MILLER, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 17, 1923. Serial No. 632,632. 14 Claims. (Cl. 105—308.)



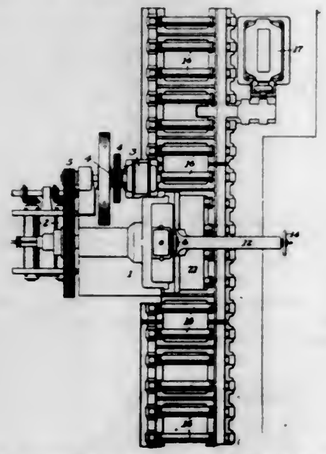
1. In a dump car, a discharge door, a member pivotally mounted on said car for supporting said door in closed position, a member movably mounted on the first mentioned member for supporting said door in partly closed position, and means whereby both of said members are simultaneously movable out of their door supporting positions.

1,504,573. SHUTTER-OPERATING APPARATUS. JOHN H. MILLER, Oak Park Ill., assignor to Pines Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed May 5, 1922. Serial No. 558,842. 10 Claims. (Cl. 123—174.)



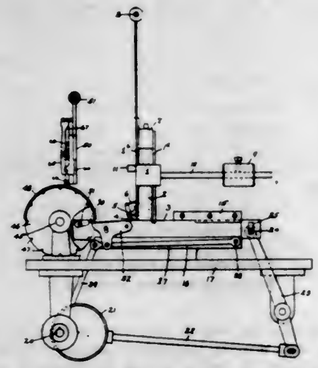
3. In combination with an adjustable closure adapted to regulate the flow of air through an engine radiator, a thermostat connected with said closure and adapted automatically to position said closure to correspond with the cooling requirements of the engine when the latter is running, of means adapted when operative to close said closure in opposition to the action of said thermostat, and devices operable by the suction of the engine adapted to render the means last aforesaid inoperative when the engine is running.

1,504,574. SHEAR AND PILER. RICHARD W. MOSES, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 28, 1922. Serial No. 571,492. 15 Claims. (Cl. 164—49.)



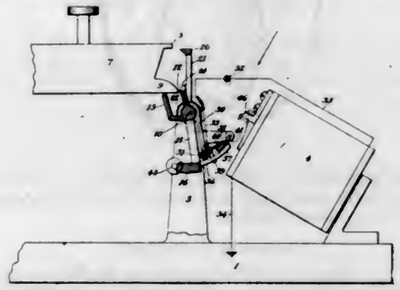
2. The combination with a shear having a supporting housing, upper and lower shear blades, and means for relatively actuating said blades, said housing having the portion thereof which is below the horizontal plane in which the cutting edge of the lower blade lies positioned substantially wholly at one side of the vertical plane in which said cutting edge lies, of a piler, and means for removably supporting said piler adjacent said lower blade, substantially as described.

1,504,575. MANUFACTURE OF BRUSHES. LAURITS HENRIK NIELSEN, Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1921. Serial No. 464,406. 9 Claims. (Cl. 300—7.)



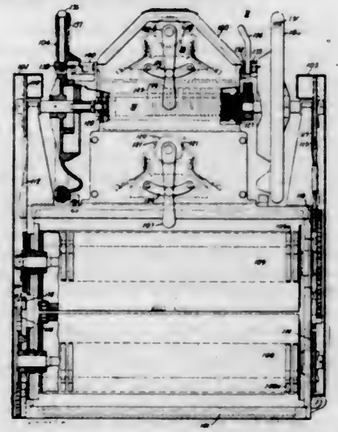
2. In mechanism of the character described, the combination of a reciprocable device adapted to segregate a bunch or bundle of brush material from a body thereof, of a magazine for such material, said magazine supported in a vertical plane over said device so as to be yieldingly movable in the direction of movement of said device in segregating a bunch of bristles, and means normally positioning said magazine in such vertical position.

1,504,576. TYPEWRITER. EDWIN POPE, Quebec, Quebec, Canada. Filed Dec. 14, 1922. Serial No. 606,778. 14 Claims. (Cl. 197—13.)



1. The combination, in a typewriter, with means for producing a controlling magnetic field, of key bars each provided with a fixed engaging element, an armature element provided with fixed means initially engageable directly by each key bar and movable thereby to bring the armature into the magnetic field, and also provided with fixed means for directly engaging the fixed engaging element of each key bar and completing the stroke movement of each key bar through the influence of the magnetic field in the armature.

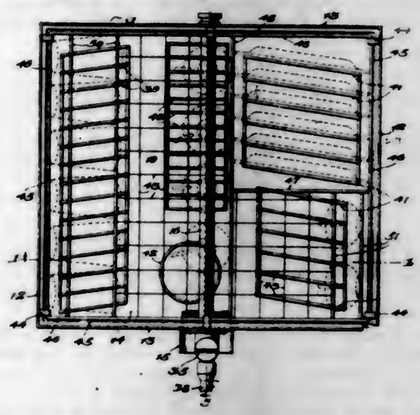
1,504,577. SUBMARINE MOTOR-CONTROL SYSTEM AND APPARATUS. LYNN G. RILEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 23, 1920. Serial No. 426,076. 92 Claims. (Cl. 172—179.)



1. In a control system, the combination with a plurality of electric motors severally having armatures and shunt field windings of single means for effecting motor acceleration by successive armature-circuit and field-circuit manipulation, and means selectively coacting with said single means for effecting either series or parallel relation of said motors during the period of said armature-circuit manipulation.

20. A controller comprising a speed-control handle, a series-parallel drum, and means for permitting the operation of said handle only when said drum occupies its "series" or its "parallel" position and for permitting the operation of said drum only when said handle occupies an inoperative position or an operative position corresponding to said "series" position.

1,504,578. DISHWASHING APPARATUS. HARRY ROSENBAUM, New York, N. Y. Filed Nov. 19, 1921. Serial No. 516,418. 17 Claims. (Cl. 141—9.)



11. A dish washer comprising, in combination, a dish receptacle, and an elongated tubular spray device provided with a plurality of series of jets along its length and mounted within said receptacle to rotate upon an axis slightly inclined with respect to the central longitudinal axis of said device, a substantial proportion of said jets being arranged to discharge tangentially with respect to the axis of revolution and thereby to act as reaction jets to rotate said tubular spray device.

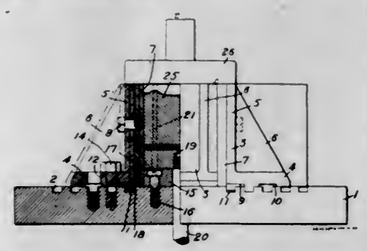
1,504,579. APPARATUS FOR DESTROYING INSECTS. CHARLIE A. ROUNSAVILLE, Scottsboro, Ala. Filed Apr. 27, 1923. Serial No. 635,162. 1 Claim. (Cl. 43—113.)



An apparatus for destroying insects comprising a standard, a fuel reservoir mounted on the standard, a jacket having its upper and lower ends open throughout their entire area, a burner disposed in the upper portion of the jacket and in communication with the fuel reser-

voir, means for securing the end of the burner to the standard and to the jacket, a fuel pan extending diametrically across the jacket below the burner, means for securing one end of the fuel pan to the jack, and means for securing the opposite end of the fuel pan to the standard and to the jacket.

1,504,580. MOLD FOR SWITCH PANELS. BERTRAND P. ROWE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1919. Serial No. 311,037. 3 Claims. (Cl. 18—5.)



3. A mold for switch panels comprising a table, a plurality of wall members, means for securing the wall members in adjusted position to provide with the table a molding chamber, a base plate adapted to seat in the lower end of the molding chamber and having flange and channel engagement with the walls, press blocks insertible in the molding chamber, the press blocks being formed with a plurality of alined openings, and a plurality of core elements carried by the base plate and adapted to extend through the openings in the press blocks.

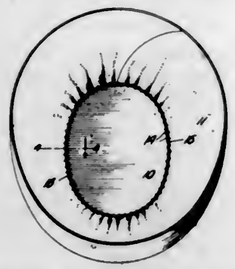
1,504,581. AUTOMOBILE BUMPER. HENRY SCHMIDT, Philadelphia, Pa., assignor to Geo. A. Weidman Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1923. Serial No. 681,113. 7 Claims. (Cl. 293—55.)



1. A pneumatic bumper for automobiles comprising a resilient tubular member, a relatively rigid external bar sector shaped in cross section extending lengthwise with respect to said tubular member, means for securing said tubular member to said external bar, an internal resilient air tight tube, means for inflating said internal tube, and a cap member of rigid material mounted on each end of the structure and each provided with a shoulder portion overlapping the external bar and extending toward the center of the structure, said cap members being secured to the external bar and forming closures at the ends of the resilient tubular member first mentioned for the purpose of confining the internal resilient tube therein.

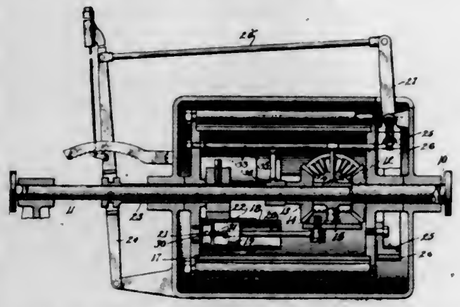
1,504,582. LINING FOR HATS. FRANK SOLOMON, New York, N. Y. Filed Sept. 19, 1922. Serial No. 589,071. 3 Claims. (Cl. 2—190.)

3. A hat lining comprising a crown piece and an apron or skirt portion secured by sewing to a laterally extending edge portion of the crown piece, said edge portion and the adjacent edge portion of the apron or skirt being concealed back of the lining, and said crown piece having along and against the face of its peripheral portion a line of soft body material and a line of stitches crossing said body material and binding the same against said crown piece, said stitches being separated from one another to



expose said material, and said stitches and body material being closely adjacent to said apron or skirt portion and being independent thereof.

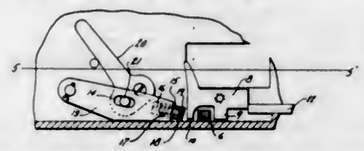
1,504,583. HYDRAULIC TRANSMISSION AND CLUTCH MECHANISM. OSCAR J. STREETER and NOBLE M. STREETER, Stockton, Calif. Filed Nov. 15, 1921. Serial No. 515,275. 1 Claim. (Cl. 74—34.)



In a transmission mechanism, a drive shaft, a driven shaft, differential gear mechanism connecting said shafts together, a revoluble casing journaled at one end on the driven shaft and at the other end on the drive shaft, said casing surrounding the differential mechanism and forming an inclosure for uncompressible fluid, a cylinder fixed in the casing parallel to said drive shaft, a piston within the cylinder and operatively connected to a compensating gear of said differential mechanism, said cylinder being provided with ports to permit fluid to be pumped therethrough, a sleeve valve slidable on said cylinder to control said ports, whereby the resistance to the movement of fluid through said cylinder may be varied in a manner to affect said compensating gear and bring about a change in the movement of the driven shaft with relation to the drive shaft, a brake drum fixed on the casing, a brake band associated therewith to affect the operation of the casing, an actuating sleeve on the drive shaft slidable through the journal of the casing and operatively connected to the sleeve valve, a controlling lever operatively connected to said sleeve and said brake band for simultaneously actuating said valve and said brake.

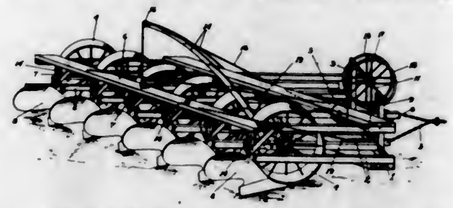
1,504,584. AUTOMATIC GUN. CARL G. SWEBILIUS, New Haven, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed July 16, 1918. Serial No. 245,152. Renewed Nov. 21, 1921. Serial No. 516,902. 24 Claims. (Cl. 89—33.)

21. In an automatic gun, a feed mechanism normally capable of operation in one direction only and means including a rod extending through the rear end of the gun, whereby said feeding mechanism may be operated in the opposite direction, step by step.



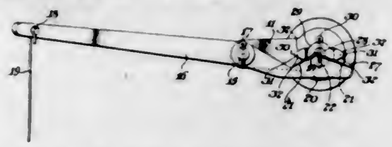
22. In an automatic gun, a feed mechanism, means to operate said feed mechanism in one direction and means independent of said feed mechanism operating means to allow only a step by step rearward movement of the feed mechanism.

1,504,585. PLOW FOR DEEP AND SOFT-LAND PLOWING. LEE S. THOMAS, Stockton, Calif. Filed Oct. 29, 1921. Serial No. 511,472. 4 Claims. (Cl. 97—93.)



1. A gang plow comprising a wheel supported frame, an auxiliary frame superimposed thereon, adjustable means between the auxiliary and main frames at the rear end thereof for supporting and holding the auxiliary frame at varied heights relative to the main frame, plowing devices projecting downwardly from and fixed to the rear end of the auxiliary frame, and means for independently adjusting the height of the forward end of the auxiliary frame relative to the main frame.

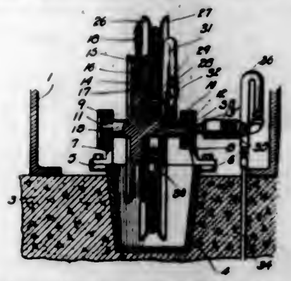
1,504,586. VALVE-ACTUATING MECHANISM. EDWIN S. THOMPSON, Lansdowne, Pa. Filed Dec. 1, 1922. Serial No. 604,146. 12 Claims. (Cl. 4—69.)



1. In a valve actuating mechanism, the combination of a valve actuating lever fulcrumed between its two ends, and a manually operated completely rotatable member acting directly thereon, said lever and member having coacting convex marginal formations.

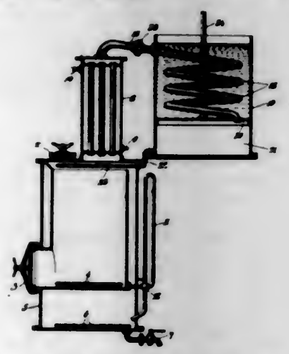
1,504,587. STORING DEVICE. LOUIS E. TRACHSEL, St. Joseph, Mo., assignor to The King Manufacturing Company, St. Joseph, Mo., a Corporation of Missouri. Filed May 1, 1922. Serial No. 557,792. 2 Claims. (Cl. 299—78.)

1. In combination a housing, a rotatable shaft having a ported chamber, means for supplying fluid to said chamber, a flexible hose having connection with said chamber, a hose drum in fixed relation to and rotatable with said shaft and having a deep groove of a width substantially equal to the diameter of the hose and in which the hose is wound in single, superimposed convolutions, a second drum also fixed on the shaft and having a deep groove, a pulley rotatable in the housing, a flexible, looped connection having one end fixed to the housing and the other end fixed in the groove of the second drum, a pulley suspended in the loop of said connection, and a weight suspended from said pulley, the width of the flexible connection being substantially equal to that of the drum to



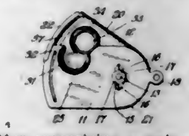
which it is connected, the connection and hose being wound reversely on their drums in single coils of proportionately increasing and decreasing diameters respectively for the purpose set forth.

1,504,588. PROCESS OF EXTRACTING OILS, FATS, ETC. BURNELL R. TUNISON, New York, N. Y., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 12, 1920. Serial No. 373,309. 14 Claims. (Cl. 87—6.)



1. In a process of extracting oily material from associated material, the step which consists in treating the mass with a solvent that is composed of a constant boiling mixture of ethyl acetate, alcohol, and water.

1,504,589. CIGAR CUTTER. WILLIAM G. WAGNER and HENRY COHEN, New York, N. Y. Filed Nov. 8, 1923. Serial No. 673,400. 7 Claims. (Cl. 131—38.)

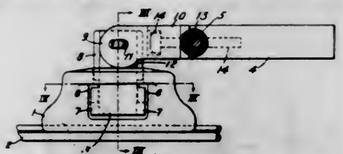


1. A cigar cutter comprising a pair of relatively movable pivotally connected side members one of said side members being provided with a keeper and a cutting element disposed intermediate said side members, one end of said cutting element being held in position by said keeper.

1,504,590. FEED-WIRE CONNECTER. NILS J. A. WAHLBERG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 2, 1919. Serial No. 294,306. 9 Claims. (Cl. 191—12.)

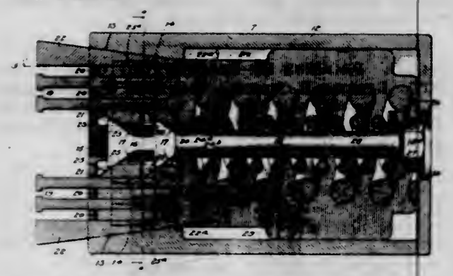
1. In a clamp, the combination with a pair of complementary jaw members having substantially flat inclined

surfaces and a clamping block having similarly inclined surfaces which engage said jaw members, of means com-



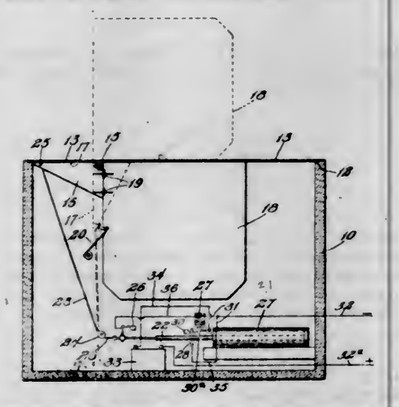
prising a pivoted handle member for adjusting the inclined surfaces of said block against the corresponding inclined surfaces of said jaw members.

1,504,591. DRAFT RIGGING. IRA ORVILLE WRIGHT, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 11, 1919. Serial No. 276,287. 2 Claims. (Cl. 213—30.)



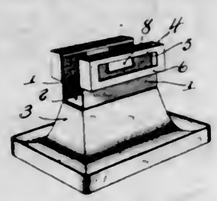
1. In a draft rigging, the combination with a friction casing provided with oppositely inclined inner faces, of a plurality of wedging friction members engaging said inner faces of the casing and adapted to be moved longitudinally of the said casing, and means within the said casing for forcing said members into engagement therewith, said means including a wedging member and a plurality of longitudinally movable friction members, said wedging member being actuated by a movement of said wedging friction members and being movable in a direction opposite to the movement of the said member.

1,504,592. CROSSING SIGNAL. JOHN ENOCH YOUNGQUIST, Sterling, Colo. Filed Mar. 29, 1924. Serial No. 702,854. 6 Claims. (Cl. 246—128.)



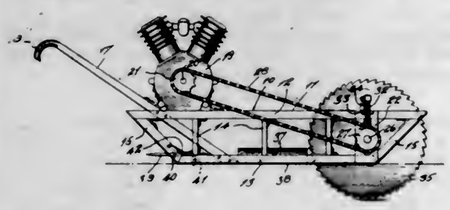
1. In a signal of the type described, a casing adapted to be buried in the highway and having a cover forming a portion of the highway, the cover having a slot, a semaphore arranged within the casing, a pivotal mounting for the semaphore for shifting the same in its own plane to project through the slot in the casing and appear above the right of way, means for shifting the semaphore about the pivot thereof and a connection between the semaphore and the mounting thereof permitting movement of the semaphore from a position vertical to the right of way to a position parallel with the right of way when impinged in a direction longitudinal to the right of way.

1,504,593. MATCH HOLDER. ADAM ZISKA, Jr., Milwaukee, Wis. Filed Feb. 16, 1923. Serial No. 619,593. 3 Claims. (Cl. 206—20.)



1. A holder for papers of matches comprising a back plate, a frame extending therefrom and adapted to surround a portion of a paper of matches, and a resiliently urged pawl supported from said back plate and adapted to engage said paper of matches and prevent the withdrawal thereof in an upward direction, said frame having an open bottom portion whereby said paper of matches may be downwardly ejected.

1,504,594. ICE HARVESTER. THOMAS K. AGAR, Sheffield, Mass. Filed Aug. 31, 1921. Serial No. 497,228. 1 Claim. (Cl. 262—20.)

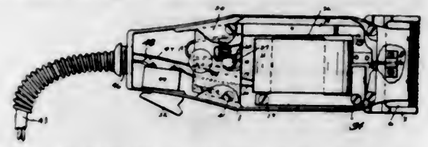


An ice harvester comprising a pair of spaced-apart beams, runners on the supporting edge of said beams, propelling and guiding handles secured to the beams and runners, a motor mounted between said beams at the rear thereof, a guide plate mounted vertically on each beam at the forward end, vertical guide slots in said plates, ears integral with said plates above the guide slots, pillow blocks slidably mounted in said guide slots, said pillow blocks having grooves at their upper ends, inwardly projecting tongues above said grooves, adjusting screws mounted in said ears, the lower ends of said screws registering in the grooves of said pillow blocks, pivoted handles at the upper ends of said screws adapted to rotate said screws, a shaft journalled in said pillow blocks, a saw fixed on said shaft, means for driving said shaft from said motor, and a spring actuated pivoted tracking finger aligned with said saw and at the rear of the harvester.

1,504,595. ELECTRICALLY-OPERATED HAIR CLIPPER. MATTHEW ANDIS, Racine, Wis. Filed July 5, 1923. Serial No. 649,594. 22 Claims. (Cl. 30—1.)

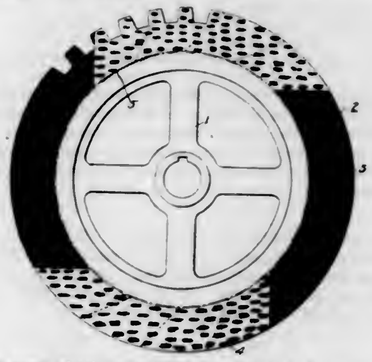
3. In a hair clipper, the combination with a support, of a stationary blade, a movable blade adapted to slide freely in any direction upon one surface of the stationary blade, an actuator having one end loosely interlocked with the central portion of the movable blade and its other end connected with the support, means for swing-

ing the actuator upon its supporting connection to impart a vibratory movement of the blade, resilient means for communicating said vibratory movement from the actu-



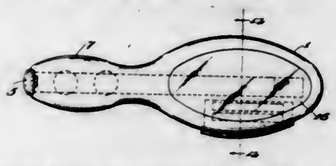
ator to the blade, and means connected with the support for adjustably pressing said actuator in the direction of the movable blade to regulate its pressure upon the stationary blade.

1,504,596. GEAR WHEEL. ARTHUR J. BASTIAN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 13, 1919. Serial No. 323,591. 4 Claims. (Cl. 154—2.)



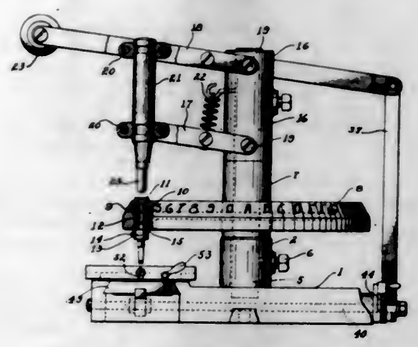
3. A gear wheel comprising a working body portion of superimposed layers of sheet material associated with a phenolic condensation product, the several layers comprising a plurality of assembled segments, certain of the segments being of duck and certain of them of cork, the segments being so arranged that each cork segment is entirely surrounded by duck segments.

1,504,597. COMBINATION TOILET SET. LOUIS M. BAYRON, New York, N. Y. Filed Apr. 17, 1923. Serial No. 632,712. 2 Claims. (Cl. 132—87.)



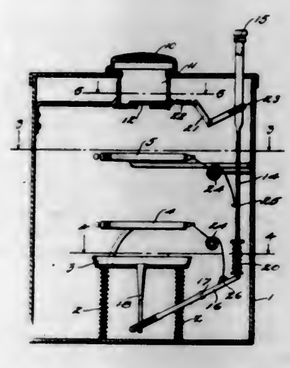
1. A toilet set of the character described, comprising, a body having a rectangular recess forming longitudinally through the center thereof and a somewhat shorter recess formed on the side thereof, the front extremity of the body being shaped to form a brush and the rear extremity being shaped to form a handle, a mirror secured on the upper side of the brush retaining portion, a hinged cover adapted to close the side recess, an arcuate cover hinged to the extremity of the handle portion and adapted to cover the longitudinal recess in the body, a pair of swinging covers secured to the lower portion of the handle and adapted to cover circular recesses formed therein, a plurality of clips to engage the covers and prevent opening thereof, and bristles formed in the lower portion of the body.

1,504,598. MARKING MACHINE. HARRY S. BERGEN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed June 3, 1921. Serial No. 474,821. 7 Claims. (Cl. 197—6.7.)



1. In a device of the class described, in combination, a frame, a marking punch carrier movably supported by said frame, an automatic hammer supported by said frame, and means for selectively bringing said marking punches into operative relation with said automatic hammer.

1,504,599. AUTOMATIC MATCH AND TOOTHPICK BOX. JOHN A. P. BLACKWOOD, New York, N. Y. Filed Sept. 15, 1923. Serial No. 662,953. 4 Claims. (Cl. 206—21.)

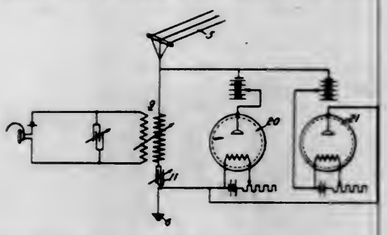


1. A device of the character described comprising a cabinet, a tray arranged within the cabinet to receive a bundle of matches or toothpicks, spring bands adapted to surround the bundle of matches or toothpicks, a plunger element having one end normally located in an opening at the bottom of the said tray beneath the said bundle, and manually operated means to exert an upward thrust on the said plunger.

1,504,600. MEANS FOR PROTECTING WIRELESS OUTFITS FROM STATIC DISTURBANCES. QUINCY A. BRACKETT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1919. Serial No. 271,493. 1 Claim. (Cl. 250—20.)

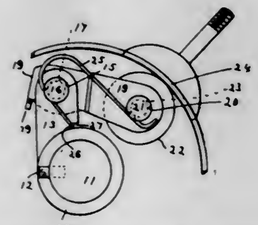
In a receiving device, an aerial including a pair of adjustable reactors of opposite character, whereby said aerial may be tuned, a receiving circuit coupled to one of said reactors and including a signal-receiving device,

and a shunt around said two reactors, said shunt including two rectifying devices connected in parallel to one another and in opposite directions in the shunt, each



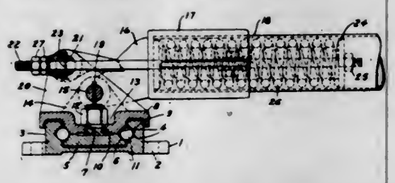
of said device being provided with two means for adjustment, one controlling the normal potential across the device and the other controlling the critical voltage of the device.

1,504,601. MOUNTING FOR COMMUTATOR ROLLERS. EDWARD J. BROSNAN, Canajoharie, N. Y. Filed Mar. 28, 1922. Serial No. 547,404. 5 Claims. (Cl. 200—26.)



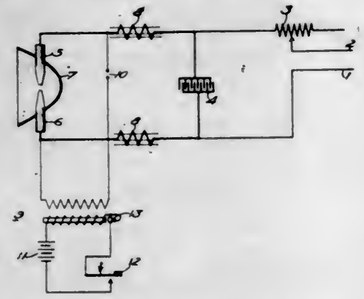
2. A commutator roller mounting consisting of a hub adapted to be secured upon the cam shaft, an ear rigidly projecting therefrom, an arm pivotaly mounted upon the outer end of said ear and having its outer end forked to receive therebetwen the roller, a roller shaft mounted in the forked end of said arm with its ends projecting beyond said arm and there provided with grooves and a U-shaped bent spring having its inner end engaging the hub or the ears near the hub and having its outer ends fitting into the grooves in the projecting ends of said shaft and tensioned to press the roller outwardly, the outer ends of said spring forming the means of detachably holding said shaft from longitudinal displacement but allowing rotation thereof.

1,504,602. TROLLEY BASE. LELAND F. BURNHAM, Wilkinsburg, Pa., assignor to R. D. Nuttall Company, a Corporation of Pennsylvania. Filed Jan. 20, 1923. Serial No. 613,799. 9 Claims. (Cl. 191—68.)



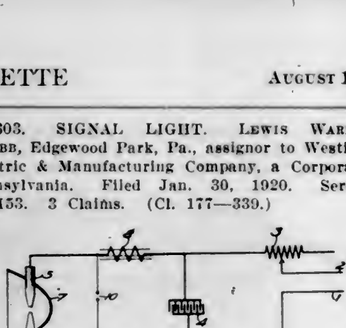
4. A trolley base comprising a support, a groove therein constituting an outer ball-race, an inner ball-race consisting of upper and lower co-operating members secured together, the upper member having an opening therein, the lower member being provided with a projection passing through said opening for holding said members together, balls in said races, and means for securing a trolley pole to one of said members.

1,504,603. SIGNAL LIGHT. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 30, 1920. Serial No. 355,153. 3 Claims. (Cl. 177—339.)



1. In a signal light, the combination with two spaced electrodes, a source of direct-current electrical energy connected thereto, and a condenser connected to said source of energy and to said electrodes, of electric means connected to said electrodes for breaking down the resistance of said spaced electrodes and thereby causing said condenser to discharge across said electrodes, the resistance of the circuit containing the electrodes and the source of current being sufficient to prevent the flow of current therethrough after the condenser has become discharged.

1,504,604. SYSTEM OF CONTROL. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1921. Serial No. 472,055. 20 Claims. (Cl. 250—17.)



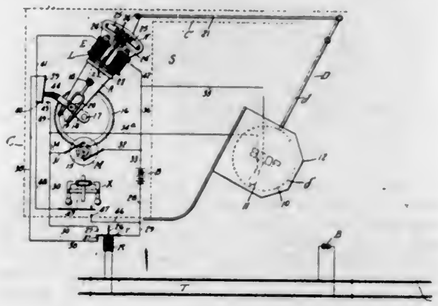
1. In a wireless transmission system, a plurality of radiating antennæ and means whereby said antennæ may be included in an absorbing circuit.

1,504,605. GAME APPARATUS. WILLIAM H. CLAUSEN, Melrose, Mass. Filed Jan. 31, 1922. Serial No. 532,097. 3 Claims. (Cl. 46—61.)



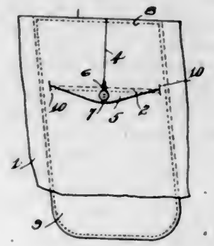
3. A game apparatus comprising a board provided with holes scattered throughout the surface or field thereof and properly spaced apart, a plurality of posts fitted to be removably held in said holes and adapted to serve as goals or wickets, and two distinguishable sets of men also fitted to be removably held in said holes so that they may be placed to occupy any desired positions on the field of said board.

1,504,606. GRADE-CROSSING SIGNAL. JOHN P. COLEMAN and PER UTNE, Edgewood Borough, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 9, 1917. Serial No. 153,601. 31 Claims. (Cl. 177—339.)



4. A crossing signal comprising a pendulum semaphore, a motor for causing oscillation of the semaphore, a speed-responsive device operated by the motor, a contact controlled by said device and closed only when the motor is running, and means governed by said contact for connecting the semaphore with the motor only when the contact is closed.

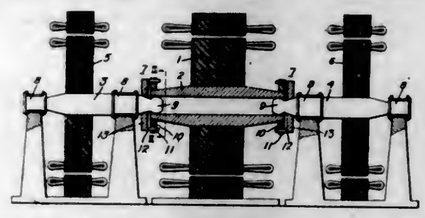
1,504,607. GARMENT POCKET. SOLOMON CORNBLUM, Rochester, N. Y., assignor of one-half to William N. Goldwater, Rochester, N. Y. Filed Sept. 2, 1919. Serial No. 321,070. 3 Claims. (Cl. 2—247.)



1. A garment having a pocket opening and an elongated single-chambered pocket comprising a front and a rear wall secured together along their peripheral edges, the pocket opening extending transversely of the vertical axis of the pocket, the upper edge of the pocket being secured to the garment above and in spaced relation to the pocket opening, the front wall having an opening between the upper and the lower edges thereof, the edges of said opening being secured to the garment on opposite sides of the pocket opening, and the rear wall of the pocket being secured to the garment at opposite ends of the pocket opening.

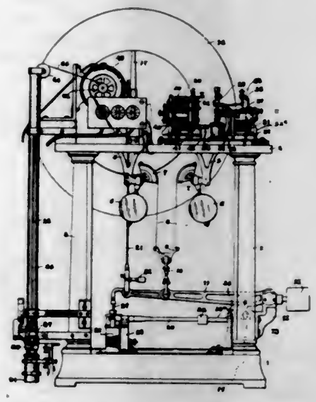
1,504,608. BEARING. STUART H. COWIN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1919. Serial No. 271,448. 7 Claims. (Cl. 64—89.)

1. In combination with two abutting, approximately alined shafts, an energy-translating machine mounted upon each of said shafts, a universal joint capable of supporting the weight of one of said shafts joining the



abutting ends, and a supporting bearing on only one side of said joint for providing the sole shaft supporting means at the abutting ends of both machines.

1,504,609. WEIGHING SCALE. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,687. 5 Claims. (Cl. 177—351.)



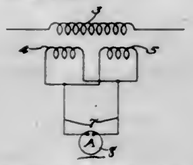
5. In a device of the class described, weighing mechanism, a shaft connected to said weighing mechanism to be rotated thereby, a motor, means controlled by movement of said weighing mechanism for operating said motor, a commutator geared to said motor, an indicator, connections between said commutator and said indicator for moving said indicator proportionally to the movement of said commutator, means for stopping said motor after movement proportional to the movement of said shaft, and means for de-activating the connections between said commutator and said indicator upon the stopping of said motor.

1,504,610. BINDER BOARD. FRANK E. CROMPTON, Brooklyn, N. Y., assignor to Signature Company, New York, N. Y., a Corporation of New York. Filed June 1, 1923. Serial No. 642,781. 22 Claims. (Cl. 129—35.)



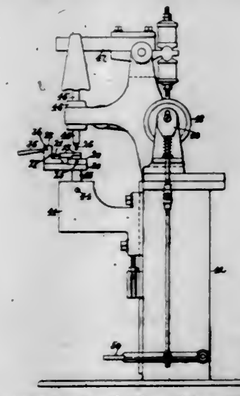
1. In a binder board, means for operating a binder to receive documents and for holding said documents in a predetermined arrangement, and document registering means into engagement with which the side edges of said documents are moved as they are placed within the binder.

1,504,611. CURRENT TRANSFORMER. LEO DOLEMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1919. Serial No. 341,271. 15 Claims. (Cl. 175—358.)



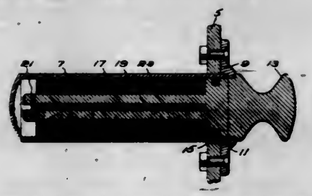
1. The combination of a plurality of core members, a primary coil and a plurality of secondary coils associated therewith, and electrical means for causing the impedances of the secondary circuits to differ from each other.

1,504,612. PEENING APPARATUS. EDWARD B. FRASER, Arlington, Mass. Filed July 24, 1922. Serial No. 577,051. 5 Claims. (Cl. 78—70.)



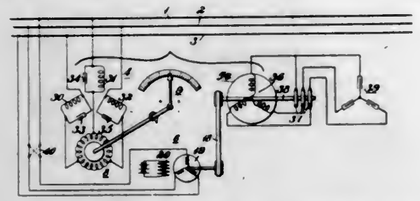
1. In an apparatus of the character described, in combination an anvil having a member for entering one end of an opening in the article to be peened and provided with a curved exterior surface which cooperates with the sharp edge of one end of said opening, a hammer pivoted at one end and having its free end cooperating with said anvil and provided with a member for entering the other end of said opening and having a curved exterior surface which cooperates with the sharp edge of the second mentioned end of said opening, and means for moving the free end of said hammer toward said anvil to cause the sharp edges of the opening to be rounded and smoothed.

1,504,613. AUTOMOBILE ATTACHMENT FOR HOLDING CERTIFICATES OR THE LIKE. ARTHUR T. FERGUSON, Salem, Mass. Filed Feb. 9, 1924. Serial No. 691,693. 6 Claims. (Cl. 40—19.)



5. A storage member for a strip of paper or other flexible material comprising an open ended tube, a closure plug having an outer grasping member and a core of lessen diameter than the tube, and a resilient fastening to hold the plug in position.

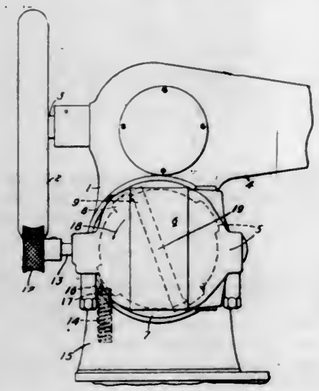
1,504,614. ELECTRIC MEASURING INSTRUMENT. CHARLES LEG. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,756. 12 Claims. (Cl. 172—245.)



1. In an electrical system, the combination with a supply circuit, of a measuring system comprising a dynamo-electric machine having a stator winding energized in accordance with an electrical quantity of the supply circuit and having a rotor winding, means for driving said rotor winding at synchronous speed with respect to said supply circuit and an induction machine connected to said stator winding.

12. In an electrical system, the combination with a supply circuit, of a measuring system comprising a dynamo-electric machine having its polyphase stator windings energized from said supply circuit and having a rotor winding, a second dynamo-electric machine having its polyphase stator windings energized from said supply circuit in a reverse sense from those of the first-named machine, said second machine having a rotor winding operable with the first-named rotor winding, a plurality of induction machines connected to the respective sets of stator windings, a plurality of indicating means respectively connected to said induction machines to cause the respective indicating means to indicate the positive and the negative-phase-sequence components of the supply current.

1,504,615. MOUNTING FOR SEWING-MACHINE MOTORS. GEORGE H. GAUCHELON, Swissvale, and NIELS HANSEN, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,702. 21 Claims. (Cl. 74—26.)



1. A machine comprising a head, a drive shaft having a hand wheel, an electric motor provided with a drive pinion and detachably mounted on said head and a resilient means serving to rotatively bias said motor around an axis perpendicular to said head and said drive pinion and passing substantially through the center of gravity of the motor to hold said pinion in driving engagement with said hand wheel.

1,504,616. METHOD OF CUTTING BEVELED LUMBER. DAVID B. GARY, Everett, Wash., assignor of one-half to Harry L. Gary, Everett, Wash. Filed Sept. 7, 1923. Serial No. 661,422. 3 Claims. (Cl. 144—309.)



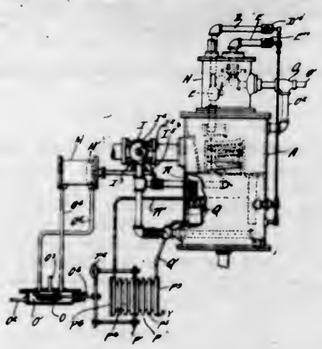
1. The method of cutting beveled lumber which consists in first cutting the log into triangular segments, cutting these segments into cants by cuts extending at right angles to the radius of the log which bisects such cut, then cutting the cants into vertical grain beveled lumber, alternating the position of the thick and thin edges of the lumber as required to use up the entire cant without waste.

1,504,617. PRESSED-METAL SPIDER HAVING CROSSED ARMS. HARVEY D. GEYER, Dayton, Ohio, assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed May 3, 1922. Serial No. 558,054. 12 Claims. (Cl. 74—33.)



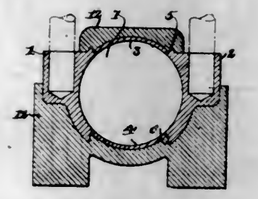
1. A wheel spider including a hub portion, a plurality of pairs of metal arms lapped over each other at the hub, and a metal plate for clamping the arms to the hub portion, said plate having projections integral therewith which are bent around part of the hub.

1,504,618. APPARATUS FOR WATER DEAERATION. GEORGE H. GIBSON, Montclair, N. J., assignor to H. S. B. W. Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1921, Serial No. 523,546. Renewed Jan. 9, 1924. 5 Claims. (Cl. 183—25.)



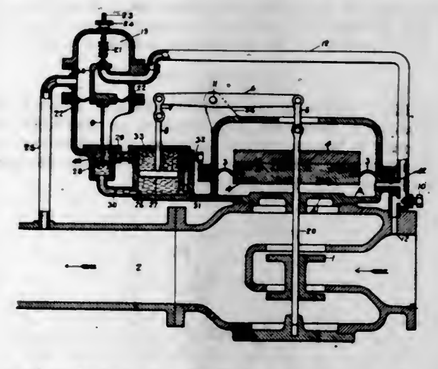
1. Apparatus for deaerating water comprising in combination a closed chamber provided with water and air outlets, means for supplying water to be deaerated to said chamber as required to maintain the latter partially filled with water, and means for supplying steam to said chamber comprising a steam inlet opening to the chamber below the water level therein, a steam inlet opening to the chamber above the water level therein and a distributing valve adjustable to throttle the supply of steam to either inlet while permitting steam to pass freely to the other inlet.

1,504,619. PROCESS OF MAKING MAGNETO-GENERATORS. PHILIP J. GILINSON, Lowell, Mass., assignor to Heinze Electric Company, Lowell, Mass., a Corporation of Maine. Filed Jan. 13, 1922. Serial No. 529,048. 14 Claims. (Cl. 29—155.5.)



1. That process of making electric generators which comprises forming a pair of integrally united pole pieces, simultaneously machining the pole faces of said pole pieces, and separating such pole pieces during the machining thereof.

1,504,620. METHOD AND APPARATUS TO STABILIZE REGULATORS. PAUL ECKERT GOOD, Riverton, N. J. Filed Oct. 11, 1923. Serial No. 668,025. 4 Claims. (Cl. 50—11.)



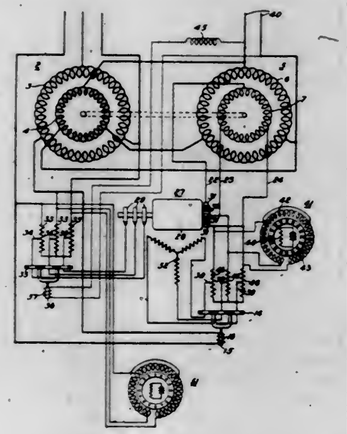
1. The method of stabilizing a regulator having a regulating element and a power element which consists in connecting each element to a liquid containing dash pot and interconnecting said dash pots so as to transmit the pressure differences generated in the liquid from one dash pot to the other.

1,504,621. ELECTRICAL SYSTEM OF DISTRIBUTION. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1919. Serial No. 286,434. 14 Claims. (Cl. 172—281.)

1. In an electrical system, the combination with a main generating machine, of an auxiliary dynamo-electric machine having a field winding, means for varying the energization of said field winding in accordance with the load conditions of said main machine, and means associated with said auxiliary dynamo-electric machine to deliver a current to the main generator to effect a change in the frequency thereof.

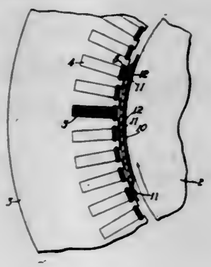
8. In an electrical system, a main induction motor, a main polyphase induction generator, the secondary

winding of the motor being connected to the generating winding of the generator, a single-phase consumption system derived from between the two machines, and an eradicating machine for preventing the flow of undesirable currents from the generating machine to the motor.



12. An induction generator having an armature winding and a polyphase field winding, a source of polyphase energy connected to said field winding, and means operative upon the occurrence of an abnormal power-demand on said generator for varying the frequency of said source in such manner as to reduce the armature frequency.

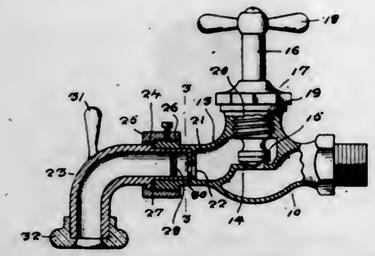
1,504,622. SYSTEM OF VENTILATION. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,560. 8 Claims. (Cl. 171—252.)



4. A dynamo-electric machine comprising rotor and stator members separated by an air gap, and a skewed barrier disposed in said air gap.

1,504,623. FAUCET. LOUIS J. HULLA, Onaway, Mich., assignor of one-half to Henry Lipshield, Onaway, Mich. Filed May 5, 1923. Serial No. 637,000. 1 Claim. (Cl. 299—10.)

1. In a faucet having a straight outlet conduit, a curved nose piece rotatably mounted upon the outlet conduit and disposable either in an upwardly or a downwardly extending position, a partition in the outlet conduit formed with a hole eccentrically thereof, a wall at the inlet end of the nose piece formed with an eccentric hole registering with said first named hole entirely when the nose piece is in downwardly extending position, the

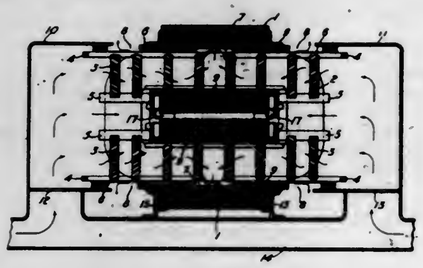


hole in the wall registering only slightly with the first-named hole when the nose piece is in upwardly extending position.

1,504,624. PURIFYING GAS. JOSEF JANNEK, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Aug. 19, 1921. Serial No. 493,749. 3 Claims. (Cl. 183—118.)

1. The process of removing carbon oxysulfid from gases which consists in treating a gas which has been purified from hydrogen sulfid, with an active charcoal having an alkaline condition.

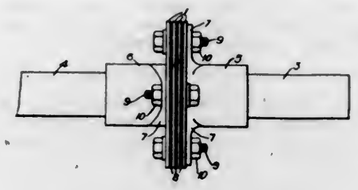
1,504,625. TRANSFORMER. CARL G. JONES, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 15, 1919. Serial No. 317,641. 7 Claims. (Cl. 175—361.)



1. In a transformer, a core member, coils inductively related thereto, means for directing a cooling medium over the faces of the coils from each end thereof, said means being so arranged that the cooling medium is supplied first to the hottest portion of said core and across the faces of said coils, and then to the less heated portions of the core, and means for alternately deflecting the flow of said cooling medium over the faces of said coils in different directions.

1,504,626. FLEXIBLE COUPLING. J STANLEY KINNEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 22, 1918. Serial No. 245,989. 7 Claims. (Cl. 64—96.)

1. In a flexible coupling, the combination with shaft sections carrying laterally extending ears at their adjacent ends, of flexible members secured to the ears of each shaft, with the ears of one shaft disposed inter-

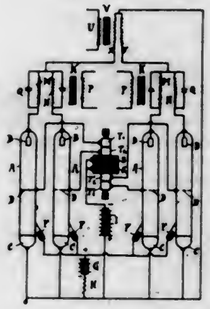


mediate those of the other, the flexible members comprising fibrous sheet material impregnated with a hardened phenolic condensation product.

1,504,627. PROCESS OF TREATING NATIVE ARSENATE ORES. JAMES GRAHAM LAMB, Denver, Colo., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1921. Serial No. 441,682. 6 Claims. (Cl. 23—3.)

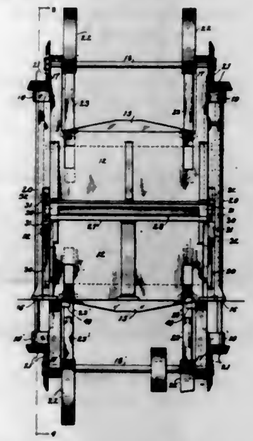
1. In a process of making water soluble arsenates, treating native, raw, pentavalent arsenic bearing ores in a finely divided condition with a caustic alkali in the form of approximately a 50 per cent solution and effecting a reaction between said alkali and the arsenic compounds of said ore.

1,504,628. ELECTRIC VALVE. CHARLES LÉONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. Filed Dec. 16, 1920. Serial No. 431,221. 9 Claims. (Cl. 172—281.)



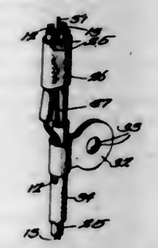
1. A frequency changing device comprising a pair of partial vacuum tubes each containing an anode, a grid, a cathode and a fluid, whereby the current shall be transmitted by the ions, an auxiliary anode for maintaining the cathode constantly in an incandescent state, means for intermittently imparting to the said grid a constant negative potential, a transformer having a single secondary winding and a pair of equal and oppositely wound primary windings having a common terminal forming one connection with a periodic source of current, said cathodes being connected together and to the other side of said source, the other terminals of said primary windings being respectively connected to said anodes.

1,504,629. EXPANDED-METAL MACHINE. GEORGE W. LENTZ, Canton, Ohio. Filed Oct. 6, 1923. Serial No. 666,942. 16 Claims. (Cl. 164—6.5.)



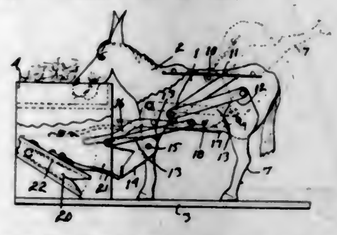
1. The method of expanding metal sheets which consists in slitting and simultaneously expanding entire rows of strands and bonds to form diamond mesh successively from one side edge of the sheet toward the other side edge thereof while the unexpanded portion of the sheet remains in situ.

1,504,630. WIRE CABLE. CHARLES L. LILLEBERG, Chicago, Ill. Filed Nov. 22, 1922. Serial No. 602,667. 4 Claims. (Cl. 173—264.)



1. The combination with two conductors, one extending longitudinally of and beyond the other and which latter is bare where it terminates; of a circuit connecting clip surrounding and gripping both conductors at the bare end of the latter.

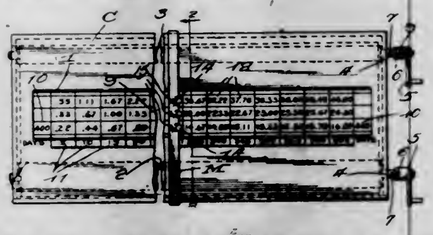
1,504,631. MECHANICAL TOY. PAUL LIPMAN, San Francisco, Calif. Filed Dec. 12, 1923. Serial No. 680,109. 1 Claim. (Cl. 46—40.)



In a mechanical toy, the combination with a base of a figure mounted thereon having a movable section, a spring to hold said section normally in one position, a catch to hold said movable section in another position,

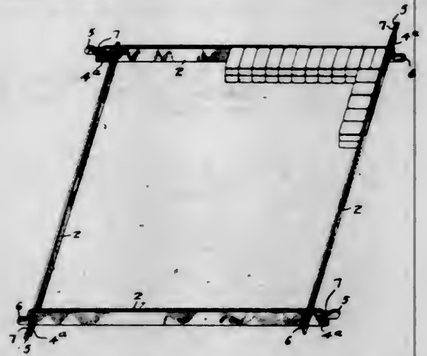
a bellows, means connected with the movable section of the figure to collapse the bellows, a catch to hold the movable section in a position different from the normal position, and means whereby the bellows will be slightly expanded to release the movable section of the figure a short time after it has been set.

1,504,632. COMPUTING DEVICE. ALBERTO LORATO, Antonito, Colo. Filed Aug. 15, 1923. Serial No. 657,630. 1 Claim. (Cl. 235—86.)



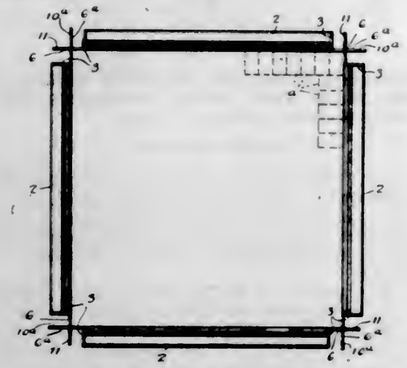
An interest computing device, comprising a shiftable web, a series of valuations disposed along a side marginal portion of the web, a window disposed transversely across the web through which a portion of the web is adapted to be exposed, stationary time indications disposed transversely of the web and arranged adjacent a margin of the window, columns of interest computations disposed lengthwise of the web, each of said columns being aligned with a time indication, said columns of interest computations being divided into a plurality of series, the computations of each series being disposed longitudinally of the web, the window being of a length substantially equal to the width of the web and of a length substantially equal to the space occupied by a series of computations in a column, the computations of each series indicating the amount of interest at different rates for the adjacent valuation for the period of time denoted by the time indication associated with such series, means for shifting the web, an index member disposed over the window and having movement in a direction transversely of the web, the portion of the member disposed over the window being provided with fingers of a number equal to the number of computations in each series of interest computations in a column, said fingers being provided with interest indications, said indications being of different rates.

1,504,633. DEVICE FOR SUPPORTING WALLS OF A TILE GAME. LUCY W. LUCE, Brooklyn, N. Y. Filed May 1, 1923. Serial No. 635,955. 2 Claims. (Cl. 46—55.)



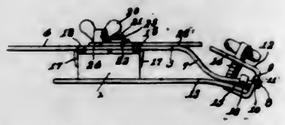
1. A device for use in building the walls of a tile game of the kind described, comprising four duplicate bars of proper length, each of said bars having near its opposite ends slots extending inward from opposite edges, and finger grips projecting from the ends, whereby a rectangular frame is formed when the slotted portions are fitted together, and after the walls have been built therein the frame may be conveniently disassembled and the parts laid before the respective players without disturbing the walls or obstructing subsequent play with the tile pieces, substantially as described.

1,504,634. DEVICE FOR SUPPORTING WALLS OF A TILE GAME. LUCY W. LUCE, Brooklyn, N. Y. Filed May 15, 1923. Serial No. 639,063. 6 Claims. (Cl. 46—55.)



1. An apparatus for use in a tile game, comprising a set of members consisting of racks adapted to receive the "hands" of tiles of the respective players, with projecting interlocking terminals on the racks to form an enclosure of definite proportions, the racks and terminals being constructed to form continuous surfaces against which to build the sides of a wall of tiles.

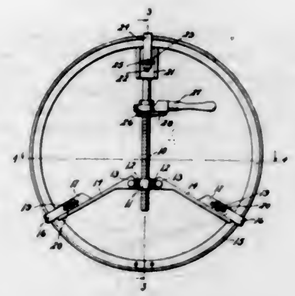
1,504,635. SHINGLING GAUGE. SANFORD MCCAUSLAND, Quincy, Mass. Filed May 23, 1923. Serial No. 640,919. 7 Claims. (Cl. 33—188.)



1. A shingle gauge comprising a body bar with a longitudinally slotted straight portion and graduated scales at opposite sides of the slot, a deflected rear portion, an enlarged head connected with and spaced from the rear end of the latter portion, a U-shaped member mounted to rock between the rear end of the body bar and said enlarged head, a screw bearing in the upper arm of the U-shaped member and adapted to engage the body bar, and means on the straight portion of the body bar for securing the bar in position.

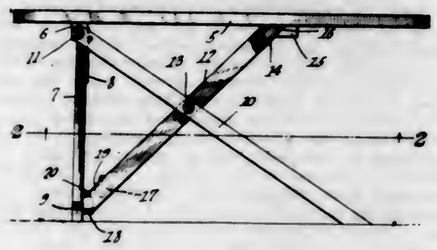
1,504,636. RIM TOOL. SANFORD MCCAUSLAND, Quincy, Mass. Filed Dec. 15, 1923. Serial No. 680,972. 1 Claim. (Cl. 157—1.)

A rim tool comprising a screw, a collar threaded thereon and adapted to move longitudinally thereof when the screw is rotated, arms pivoted on the collar and adapted to be arranged in divergent relation for use, a clamp carried by each arm and arranged to engage said rim at a point adjacent the meeting ends thereof, a clamping device supported by one end of the screw and swivelly connected therewith, said device including a hollow member having divergent sides, said sides having aligned slots, clamping elements reposing on said sides, a bolt connecting the clamping elements and passed



through said slots, and means including a handle for rotating said screw in either direction for the purpose specified.

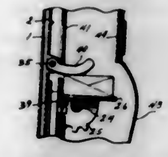
1,504,637. IRONING TABLE. JOHN H. MCVEY, Wessington Springs, S. Dak. Filed Dec. 15, 1923. Serial No. 680,944. 1 Claim. (Cl. 68—10.)



An ironing table including a board, a pair of leg members hingedly connected to the board, a foot piece for connecting the lower ends of the leg members, a bar secured to the foot piece, leg members pivotally connected to the first mentioned leg members, bracing bars having pivotal connection with the second mentioned leg members, means for securing the upper ends of the bracing bars to the board, the lower ends of said bracing bars adapted to engage the ends of the bar secured to the foot piece to restrict lateral movement thereof, and means for securing the bracing bars to the bar secured to the foot piece.

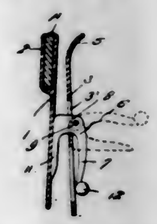
1,504,638. LOCK FOR VENDING MACHINES AND GLASS RETAINERS FOR SLIDE COVERS. JAMES H. MANN, Jr., Pine Bluff, Ark., assignor, by mesne assignments, to Empire Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed July 11, 1921. Serial No. 483,850. 2 Claims. (Cl. 211—8.)

1. In a vending machine, a casing having a magazine for articles to be delivered, an article delivering tray pivotally mounted below the lower end of the magazine and supporting the articles therein, an actuator operatively connected to the tray to tilt the same and thereby cause the successive discharge of the articles to be vended, a pawl normally held in an operative position by the articles supported upon the tray, said pawl being operatively pivoted on the casing and being adapted to be supported in a vertical position by the articles in the magazine and rest upon the last article on the tray when all but said last article has been discharged and when said article is discharged swinging downward into



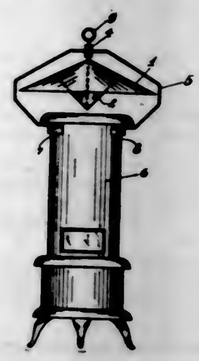
operative position, the tray having a portion thereof adapted to be engaged by the pawl to lock the tray in a tilted position when the last article has been discharged therefrom.

1,504,639. KEY-RING HOLDER. ARTHUR E. MILLER, Montpelier, Vt. Filed Mar. 26, 1924. Serial No. 702,040. 3 Claims. (Cl. 24—3.)



1. A key ring holder comprising a strip of metal having its upper end provided with attaching means for supporting the same on the belt of a person, the lower portion of said strip being bent back upon itself to provide a key ring receiving and supporting loop, means on said bent back portion for retaining the key ring disposed in the looped portion against accidental displacement therefrom, said means comprising a substantially inverted U-shaped member pivotally supported on said bent back portion and extending through a slot provided therein, one of the arms of the inverted U-shaped member being in engagement with the intermediate portion of said strip, the other arm extending beyond the outer face of said bent back portion and providing a means for actuating the same.

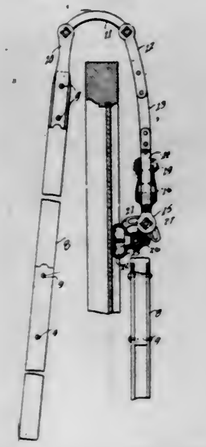
1,504,640. HEAT DEFLECTOR. JAMES R. MONROW, Oakland, Calif. Filed June 25, 1923. Serial No. 647,531. 3 Claims. (Cl. 126—96.)



1. A deflector comprising a hood, means for mounting said hood above the stove adjustable means connecting said hood to said first-mentioned means and a conical

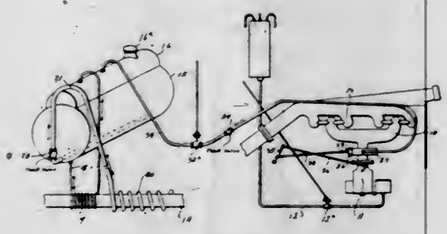
baffle plate having its apex pointing in the opposite direction from the apex of the hood, said baffle plate being attached to said hood.

1,504,641. WINDOW-CLEANING DEVICE. KICHIMATSU MUKAI, San Francisco, Calif. Filed Aug. 18, 1922. Serial No. 582,779. 1 Claim. (Cl. 15—220.)



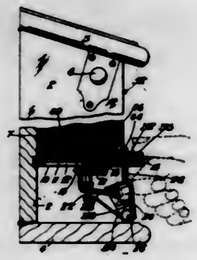
A window cleaning device comprising a sectional handle, yoke arms connected to said handle and disposed in a plane substantially in parallelism to the plane of the handle, a slotted member pivoted to the yoke arms and terminating at one end in central bored fingers, a sponge-holding element carried by the opposite end of said member, a horizontal rod positioned in the fingers of said member and adapted to move freely therein, a pair of clamping jaws secured to said rod, tension means for returning the jaws to their normally closed position, a slotted finger carried by one of said jaws and adapted to travel through the slot of said member, said jaws being adapted to retain therein a piece of fabric or the like, for the purpose specified.

1,504,642. FUEL-SUPPLY MEANS FOR INTERNAL-COMBUSTION ENGINES. JULIUS MARION NELSON, Tulsa, Okla. Filed Jan. 7, 1922. Serial No. 527,704. 2 Claims. (Cl. 123—127.)



1. The method of fueling internal combustion engines consisting in employing the usual carbureter and intake manifold and in addition employing means for forming a highly charged fuel gas, starting the engine employing the charge formed by the carbureter, cutting off the supply of fuel to the carbureter, admitting the fuel gas directly to the manifold and controlling the supply of air for admixture with said fuel gas by the throttle valve of the carbureter.

1,504,643. VENDING OF RAILWAY AND LIKE TICKETS. LUDWIG NUDL, Whittlesea, Victoria, Australia, assignor to The Nudl Safety Cabinet Ticket Tube Company Proprietary Limited, Melbourne, Victoria, Australia, a Company of Victoria. Filed July 10, 1922. Serial No. 573,852. 5 Claims. (Cl. 211—8.)



5. In a ticket delivery apparatus, the combination of a receptacle provided with a compartment to contain a stack of tickets; an ejector for the tickets; a front plate attached to the lower portion of the receptacle and provided with a delivery aperture for the tickets and with a second aperture directly below the first one; a member normally projecting outward through the second aperture but adapted to be pushed inward therethrough by pressure exerted against it by the forefinger of one hand of the operator to effect the outward movement of the ejector; and a forwardly-extending guard disposed above the ticket aperture and overhanging the projecting portion of the operating member, said guard having its forward end cut away to expose the projecting end of the ticket acted on by the ejector, whereby said projecting ticket end may be grasped between the thumb and forefinger of the same hand and removed.

1,504,644. AX. JAMES E. RAYBURN, Waynesboro, Tenn., assignor of one-half to Claude L. Boyd, Waynesboro, Tenn. Filed Oct. 14, 1922. Serial No. 594,539. 2 Claims. (Cl. 145—2.)



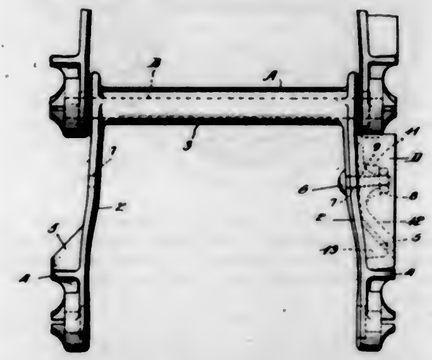
1. A tool of the character described comprising a head, a broad blade on the head, one side of said broad blade having a chip ridge formed thereon extending longitudinally of its medial portion from a point in proximity to said head to a point in proximity to the cutting edge of the blade whereupon it is formed with divergent branches extending to points adjacent the opposite extremities of the cutting edge of said blade.

1,504,645. METHOD FOR MANUFACTURING FORMS OF CEMENT. JOHN A. RICE, Berkeley, Calif. Filed May 1, 1923. Serial No. 636,031. 8 Claims. (Cl. 25—155.)



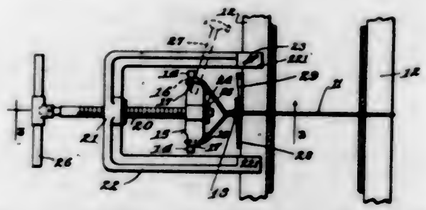
1. The method of making cement forms which consists in filling a mold with soft cement prepared to yield to cutting action when hardened, in allowing the cement to partly set and in then slicing the same.

1,504,646. CONVEYER CHAIN. GUSTAV R. RODDY, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 19, 1923. Serial No. 613,720. 4 Claims. (Cl. 198—171.)



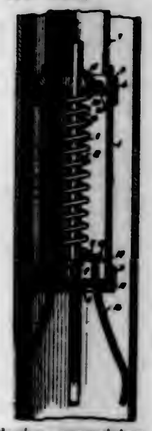
1. The combination with a drag conveyer chain, of a separable wearing block adapted to be applied to a link of the chain, of harder material than that of which the chain links are formed, and means for detachably securing the block to a link.

1,504,647. APPARATUS FOR TIGHTENING FORM WIRES. ZALOS W. SCOTT, Santa Barbara, Calif. Filed May 16, 1923. Serial No. 639,316. 4 Claims. (Cl. 140—119.)



1. An apparatus of the character described, comprising a frame to engage a form member, a screw threaded through the frame and provided with an unthreaded shank, and a head rotatably mounted on the shank and constructed for securing a form wire thereto.

1,504,648. GRIPPING DEVICE. CHARLES P. SKINNER, Bicknell, Calif., assignor of one-third to Henry Schwab and one-third to J. A. Dunn, both of Bicknell, Calif. Filed Oct. 19, 1922. Serial No. 595,630. 3 Claims. (Cl. 294—100.)



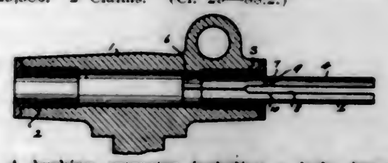
1. A gripping device comprising a plurality of co-operating jaws movable to occupy gripping or non-gripping position, means for yieldably urging the jaws to non-gripping position, and means operating automatically to lock the jaws in gripping position when moved to such position.

1,504,649. EMERGENCY RIM. DANIEL ARTHUR SMITH, Jr., Wilmington, Del. Filed Oct. 31, 1923. Serial No. 671,998. 5 Claims. (Cl. 301—39.)



3. An emergency rim comprising a member adapted to be disposed over and about a deflated tire, inwardly extending spokes carried by said rim, lugs at the inner ends of said spokes adapted for disposition between the spokes of the wheel and means for holding the attachment against lateral displacement with respect to the wheel, said means comprising clamping members each formed as a shank journally mounted and provided at one end with a handle and at its other end with a laterally extended lug having a wedge face, said shanks being disposed transversely with respect to the wheel.

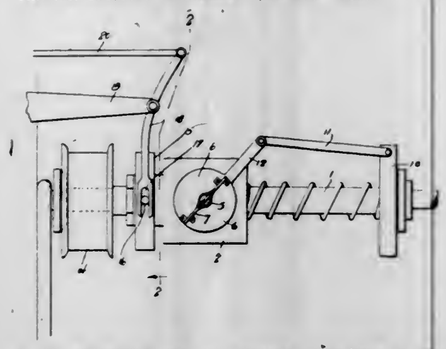
1,504,650. BUSHING EXTRACTOR. FRED H. SMITH, Houston, Tex. Filed Apr. 3, 1923. Serial No. 629,586. 2 Claims. (Cl. 29—88.2.)



1. A bushing extractor including a body formed of two sections, an enlarged head at one end of said body forming an annular shoulder, a deep slot at the other

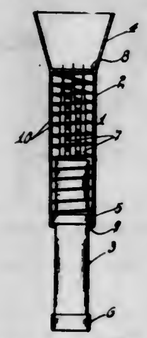
end of said body, said sections being formed with flat faces, at the enlarged end which fit together when the extractor is in use.

1,504,651. COOLING FAN FOR MOTORS. HAROLD M. STUELAND, Clarkfield, Minn. Filed Aug. 10, 1921. Serial No. 491,118. 3 Claims. (Cl. 170—163.)



1. An adjustable fan for motors comprising a rotating shaft, a block secured stationary to one end of said shaft, a fan hub slidably mounted on the shaft, a coil spring urging said fan hub from said block, a plurality of studs fastened into the said hub, fan blades mounted on said studs, movable plates between the fan hub and fan blades, means for securing the blades to the plates, arms connecting the said plates to said block, and means for sliding said fan hub upon the revolving shaft to change the angle of said blades.

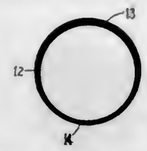
1,504,652. CIGAR CUTTER. RICHARD W. SWEET, Oakland, Calif. Filed Sept. 11, 1922. Serial No. 587,360. 2 Claims. (Cl. 131—20.)



1. A cigar perforator comprising a barrel, a mouth formed on said barrel, a plunger within said barrel, a plurality of prongs secured to said plunger, a collar formed on said plunger near the upper end thereof, a second collar at the lower end of said plunger, a stop shoulder at the bottom of said barrel for engaging said collars, a shoulder at the base of said mouth, and a spring positioned between the first mentioned collar and said latter shoulder.

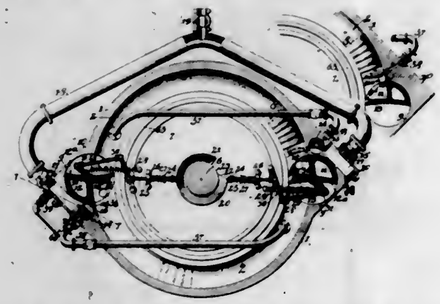
1,504,653. METHOD OF MAKING ANNULAR TUBES. EDWARD C. TAYLOR, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 16, 1920. Serial No. 424,416. 3 Claims. (Cl. 154—14.)

1. The method of making annular tubes comprising forming a straight tube having the wall thickness on one side sufficiently greater than the wall thickness directly opposite to produce a tube of substantially even wall thickness when inflated into annular form, joining the ends of the tube to form an annulus with the thicker



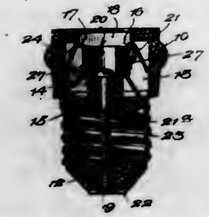
part of the tube wall forming the outside of the annulus, expanding the annular tube so formed into an annular mold, and vulcanizing the tube.

1,504,654. ROTARY ENGINE. HENRY OTIE TAYLOR and LOUIS CARL BROWN, Wewoka, Okla. Filed Apr. 27, 1918. Serial No. 231,166. 5 Claims. (Cl. 121—78.)



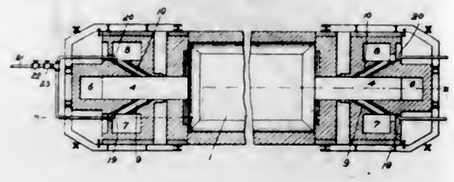
1. A rotary engine comprising a casing having a live steam chamber and an exhaust steam chamber, rotors in the chambers having pistons in disalinement, a steam valve controlling the passage of steam to the live steam chamber, a steam chest communicating therewith, a steam pipe connected to the steam chest, a main steam valve in said pipe, a pipe connection between the steam chest and the exhaust steam chamber, an auxiliary steam valve in said pipe connection, and connecting means between said auxiliary valve and main steam valve for initially opening the auxiliary valve upon opening the main steam valve to conduct live steam from the steam chest to the exhaust steam chamber and insure the starting of the engine should the piston in the live steam chamber stop across the steam valve, said auxiliary valve being closed upon further opening of the main steam valve.

1,504,655. ATTACHMENT PLUG. DON N. THOMPSON, Syracuse, N. Y. Filed Aug. 25, 1919. Serial No. 319,645. 6 Claims. (Cl. 173—343.)



3. A separable attachment plug comprising in combination a substantially cylindrical insulation body having an elongated rectangular guide opening in the top thereof and a pair of contact recesses open at the bottom, separated by a partition and having lateral and partial longitudinal communication with said guide opening, an insulation button, a threaded contact shell fitting between and abutting at the ends against the insulation body and the button, a central contact member a single member holding all of said parts together and a pair of spring contacts in said recesses engaging said partition along the upper end thereof and having curved ends adapted to normally close the openings between said contact recesses and said guide opening for the purpose set forth.

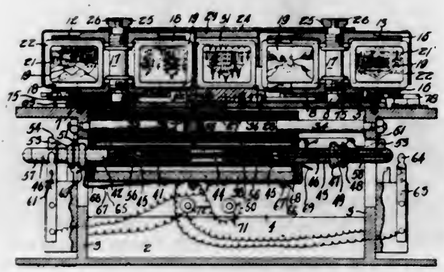
1,504,656. STRUCTURE AND METHOD OF OPERATION OF HEATING FURNACES. WILLIBALD TRINKS, Pittsburgh, Pa. Filed July 17, 1923. Serial No. 652,061. 7 Claims. (Cl. 263—15.)



2. In the operation of a furnace using preheated air for combustion the method herein described of impelling the flow of air to the furnace chamber which consists in projecting into the line of flow a jet of gas at a velocity exceeding that of sound.

3. In a heating-furnace structure the combination with a furnace chamber of an air passageway leading thereto, means for projecting into said air passageway a flow-inducting jet of gas at a velocity exceeding that of sound, and means for admitting fuel to the induced stream, substantially as described.

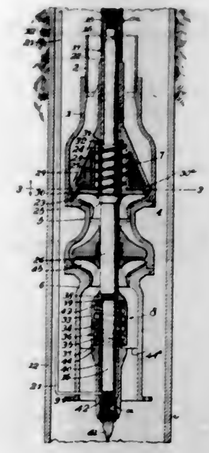
1,504,657. SLIDE-MOVING APPARATUS. GEORGE L. TRUEBLOOD, Berkeley, Calif. Filed Feb. 8, 1919. Serial No. 275,829. 28 Claims. (Cl. 88—27.)



1. The combination with a movable magazine adapted to contain magnetizable objects, of a pole-piece movable toward and away from said magazine to remove the objects therefrom and means cooperating with the pole piece for moving the magazine.

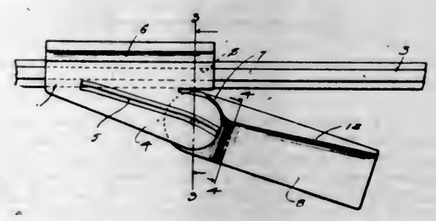
1,504,658. TURBINE PUMP. JOSEPH AMES ULMER, Porterville, Calif. Filed Dec. 29, 1922. Serial No. 609,687. 12 Claims. (Cl. 103—102.)

1. In mechanism of the character disclosed, a pump bowl including an axial sleeve, a bushing fitted in the sleeve, a revoluble shaft having bearing in the bushing but falling short of the lower end of the sleeve to define an oil chamber which has communication with the bearing surfaces, a hood carried by the shaft extending over the sleeve in spaced relationship thereto to define an annular chamber, and a spiral vane carried by said hood operating in said chamber to expel water tending to enter from said bowl and thereby creating a vacuum at



the other end of the hood to draw oil from said oil chamber over said bearing surfaces contrary to the action of gravity.

1,504,659. CAR REPLACER. JOHN A. VEAZEY, Youngstown, Ohio. Filed Dec. 4, 1923. Serial No. 678,466. 3 Claims. (Cl. 104—271.)

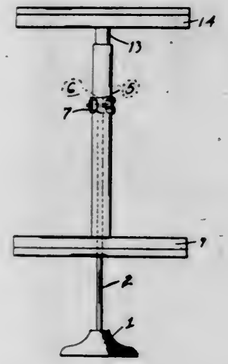


3. A car replacer comprising a frog having a rail receiving channel in its underside and a flange receiving groove in its top side adjacent an edge thereof and having a laterally disposed extension tapering throughout its length and provided upon its top side with a replacing rib of approximately inverted V-form, the rear portion of said lateral extension being separated from the frog and having a pivot stud depending therefrom, a hollow replacing wing underlapping the rear portion of the lateral extension of the frog and receiving the pivot stud and provided along its top side adjacent its inner edge with a rib having a tapering extension at its forward end to enter the space formed between the frog and the rear portion of the tapering lateral extension thereof, and a latch member within the forward portion of the wing adapted to engage the said pivot stud and retain the wing in place.

1,504,660. DISPLAY STAND. ROBERT WEIR, San Francisco, Calif. Filed Oct. 2, 1923. Serial No. 666,094. 4 Claims. (Cl. 40—146.)

1. A display stand, comprising a base, a standard carried thereby having an eye at its upper end, a pair of clamps, a bolt passing through said clamps and through

the eye of said standard, a tubular member passing through said clamps, and means at the top and bottom of said tubular member to secure a card in position, the

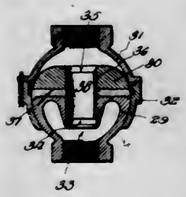


bolt enabling said clamps to be loosened to raise or lower the display and permitting the display to be tilted at will.

1,504,661. FURNACE DOOR. FERD ELIEL WERTHEIM, Chicago, and ASHUR URL WETHERBEE, Evanston, Ill., assignors to William A. Gilchrist, New York, N. Y. Filed Dec. 21, 1922. Serial No. 608,332. 9 Claims. (Cl. 110—173.)

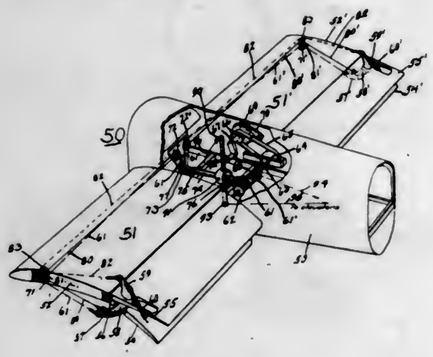
9. In a furnace, the combination of a door loosely hinged on the frame, a lever pivoted on the frame adjacent to the hinge and having a short arm for engagement with the door, a head pivoted on the frame opposite to the hinge, to swing in front of the door, and a screw in the head for engagement with the door.

1,504,662. FLEXIBLE PIPE JOINT. WALTER C. WHITE, Pittsburgh, Pa., assignor to International Couplers Co., a Corporation of California. Filed July 31, 1919. Serial No. 314,506. 1 Claim. (Cl. 285—95.)



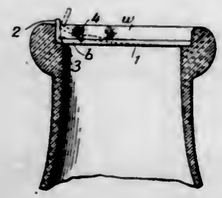
In a flexible pipe joint, a swelling packing unit having a rigid core defining an opening through the packing and limiting the swelling of the packing in a direction tending to close said opening.

1,504,663. AIRPLANE. ORVILLE WRIGHT and JAMES M. H. JACOBS, Dayton, Ohio, assignors to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed May 31, 1921. Serial No. 474,046. 16 Claims. (Cl. 244—29.)



1. In an aerofoil, means for changing either the camber of its upper surface or the camber of its lower surface independently of one another.

1,504,664. BOTTLE STOPPER. ADOLPH Y. S. ALBUM, Maywood, Ill. Filed Sept. 11, 1922. Serial No. 587,490. 6 Claims. (Cl. 215—100.)



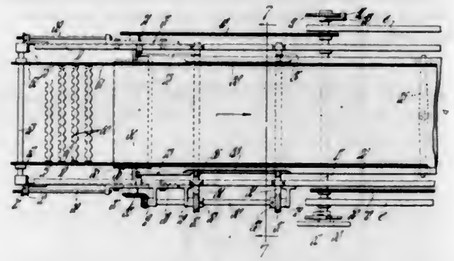
1. The combination of a bottle cap having a pull-tab secured thereto, said cap being weakened on a line extending in approximately a transverse direction relative to the pull-tab, said tab being weakened transversely at a point spaced from the periphery of the cap said line of weakening being adjacent the point of connection between the pull-tab and the body of the cap and permitting flexure of the cap without hinging.

1,504,665. [WITHDRAWN.]

1,504,666. FEEDING MECHANISM FOR CONFECTIONERY MACHINES. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1921. Serial No. 510,325. 13 Claims. (Cl. 107—28.)

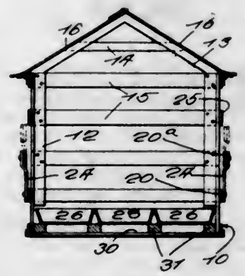
1. Feeding mechanism for confectionery machines, comprising, supporting means for the articles to be fed, and a series of feed bars movable in spaced parallel relation over said supporting means and adapted to propel the articles thereon, each of said bars having means provided along its leading edge for centering and propelling articles and means provided along its trailing edge for guiding the leading ends of articles centered and propelled by the preceding bar.

9. In a combination with a depositing machine, having a transverse row of nozzles through which measured quantities of confection may be deposited upon articles



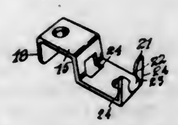
positioned therebelow, a feed belt, a series of notched feed bars movable with and above the feed belt for carrying the articles to said nozzles, and means for tapping the edge of said feed belt.

1,504,667. CHICKEN FEEDER. OVERTON M. BENNETT, Lenoxville, Pa. Filed Sept. 15, 1923. Serial No. 662,882. 2 Claims. (Cl. 119—61.)



1. A poultry feeding device comprising a base having a rim and adapted to contain food and water pans, posts extending upward from the corners of the base, slats or strips disposed above the rim of the base and carried by and vertically adjustable upon said posts, slats or strips disposed above the first named strips and supported thereon in a position outward of the plane of the outer face thereof, and slats or strips disposed in spaced relation to each other and carried above the first named strips and in secured positions upon said posts and extending outwardly of the last named strips and the roof.

1,504,668. SHUTTLE FOR BOBBINS. JOHN B. BENTLEY, Jamestown, N. Y. Refiled for abandoned application Serial No. 532,948, filed Jan. 31, 1922. This application filed Mar. 24, 1923. Serial No. 627,498. 4 Claims. (Cl. 139—209.)



1. In a shuttle a holding clip having an inverted U shaped outer end and upturned inner end in which inner end is formed an open ended inwardly enlarging slot, in combination with a resilient split spindle adapted to spring into holding engagement in said open ended slot, and a hooked end portion on said spindle engaging the U shaped end of said clip and thereby securing said spindle in positino.

1,504,669. TITANIUM COMPOUND. JOSEPH BLUMENFELD, London, England. Filed Apr. 28, 1924. Serial No. 709,671. 3 Claims. (Cl. 23—13.)

1. In the process of producing titanium oxide from material containing titanium, the steps of mixing the said material with sulphuric acid, heating the mixture initially to a temperature of at least 130° C. and gradually increasing the temperature to a maximum of 220° C., treating the resulting material with water in such proportions as to produce a solution containing about 15 to 25% of TiO_2, and subjecting that solution to hydrolysis while avoiding the presence of any substantial amount of ferric iron therein.

1,504,670. TITANIUM COMPOUND. JOSEPH BLUMENFELD, London, England. Filed Apr. 28, 1924. Serial No. 709,672. 4 Claims. (Cl. 23—13.)

1. In the process of producing crystalline titanyl sulphate from material containing titanium, the steps of mixing the said material with sulphuric acid, heating the mixture initially to a temperature of at least 130° C. and gradually increasing the temperature to a maximum of 220° C.

1,504,671. TITANIUM COMPOUND. JOSEPH BLUMENFELD, London, England. Filed July 17, 1923. Serial No. 652,188. 6 Claims. (Cl. 23—13.)

1. A process of producing titanium oxide from titaniferous mineral consisting in decomposing the mineral with not substantially more than 1 to 2 parts of sulphuric acid of about 80% strength, and treating the resulting mass with not substantially over 3 parts of water, while maintaining the mass at an approximately constant temperature near to the boiling point of the liquid until the titanium oxide is precipitated, while any iron compound in the solution is maintained in the ferrous state, and separating the oxide from the mother liquor and residue, substantially as described.

1,504,672. PREPARATION OF TITANIUM HYDROXIDE. JOSEPH BLUMENFELD, London, England. Filed Feb. 4, 1924. Serial No. 690,658. 5 Claims. (Cl. 23—13.)

1. The preparation of titanium oxide or hydroxide by hydrolytic precipitation which comprises diffusing titanium from one solution into another under the action of differential concentration and temperature, and allowing the diffusion action to continue for several minutes before mixing the solutions.

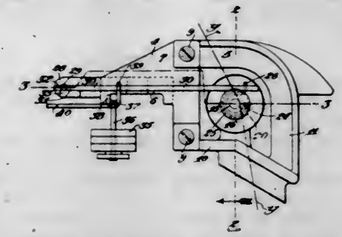
1,504,673. TITANIUM PIGMENT. JOSEPH BLUMENFELD, London, England. Filed July 17, 1923. Serial No. 652,189. 7 Claims. (Cl. 23—13.)

1. The production of colloidal titanium compounds, in any desired degree of dispersion by the peptization of precipitated titanic acid obtained by hydrolysis, substantially as described.

1,504,674. TENSION DEVICE. CARL A. BRINK, Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, a Corporation of Massachusetts, trustee. Filed Dec. 19, 1921. Serial No. 523,553. 16 Claims. (Cl. 242—150.)

1. In a tension-device, the combination with means adapted to bear upon a running yarn or filament to apply tension thereto, of means to control the action of the

tension-means comprising a movable member, means to apply pressure to the movable member and an element



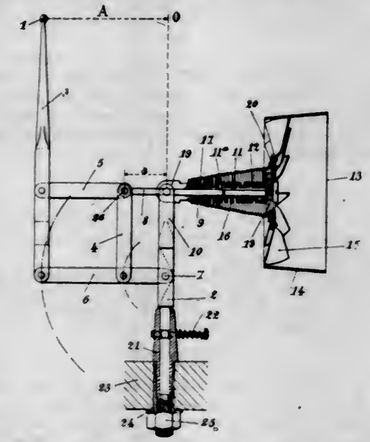
having a beveled face against which the movable member acts to exert a constant wedging thrust against the tension-means.

1,504,675. TOBACCO USER'S APPLIANCE. WILLIAM C. BRUZGA, Norwood, Mass. Filed Feb. 25, 1921. Serial No. 447,722. 1 Claim. (Cl. 131—51.)



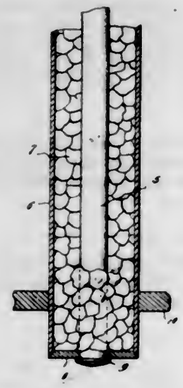
As a new article of manufacture, a cigar and cigarette holder comprising a bit portion having a longitudinally extending bore therethrough, a metallic cigar and cigarette receiving nipple fitted in the forward portion of the bore, a combustion chamber section arranged to be detachably associated with the bit section including a hollow metallic body having one end thereof closed and the other end opened, the sections being constructed to simulate the appearance of an ordinary cigar, the combustion chamber having a plurality of air inlet openings formed therein, and an annular outstruck guard flange formed on the nipple and arranged to engage the forward face of the bit portion to prevent the burning of the same by cigars and cigarettes fitted in said bit portion.

1,504,676. AUTOMATIC FIRING GEAR FOR AIRPLANES AND AIRSHIPS. PIERRE ROGER LOUIS AUGUSTE CARMIER, Paris, France. Filed May 31, 1922. Serial No. 564,998. 1 Claim. (Cl. 33—47.)



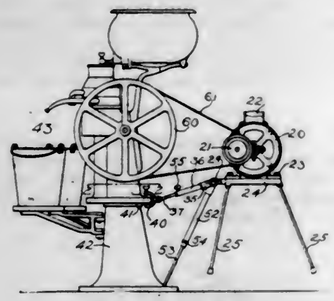
In firing gear for aerial machines the combination with the sighting gear thereof, of apparatus for automatically correcting the firing and consisting in a socket connected with the sighting gear, a swivelling post carried by the socket, a parallel linkage articulated to said post, a staff projecting from the parallel linkage, a ball forming the tip of the staff and the extremity of a virtual vector whose other extremity is in the axial line of said swivelling post, a stem articulated to the parallel linkage, and a spring-controlled air-turbine mounted on said stem in movable relation thereto.

1,504,677. METAL BAR. CHARLES R. CARTER, St. Louis, Mo. Filed May 9, 1923. Serial No. 637,921. 1 Claim. (Cl. 189—9.)



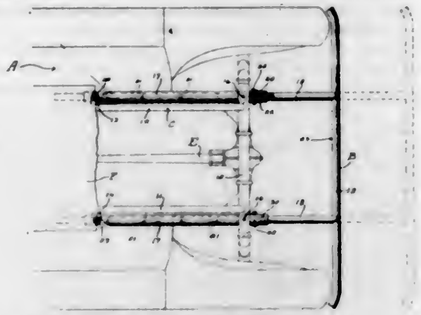
A bar structure adapted to be used as a barrier across a wall opening comprising an exterior cylinder of metal and closed at its ends, a rod traversing the length of the cylinder and disposed centrally therein and having its ends secured in the end walls of the cylinder, the exterior surface of the rod being spaced from the interior surface of the cylinder, said rod being of metal, and a filling of gravel interposed in the space between the rod and the inner surface of the cylinder, and completely filling said space.

1,504,678. DOMESTIC APPLIANCE. ERNEST DICKEY and RALPH L. LEE, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 3, 1922. Serial No. 592,140. 10 Claims. (Cl. 64—52.)



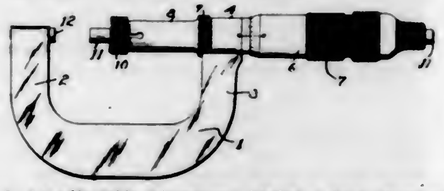
1. In a portable power device, the combination with a motor having a driving pulley for belted connection with the pulley of a work machine; of strut and bracing members connected with the motor, said strut and bracing members engaging the frame of the work machine, said members and said frame constituting a rigid support adapted to support the motor.

1,504,679. EXTENSIBLE BUMPER FOR VEHICLES. JAMES JOSEPH DIETZ, South Jacksonville, Fla. Filed Apr. 7, 1924. Serial No. 704,863. 5 Claims. (Cl. 293—55.)



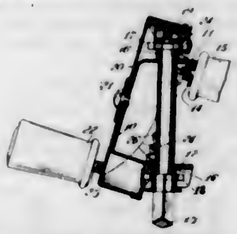
1. In combination with the frame of a vehicle, a bumper comprising tubular supporting members attached to said frame, a bumper portion having supporting arms slidable in said supporting members, and fastening elements extending through each companion supporting member and arm for retaining the bumper portion in any desired adjusted position with respect to the vehicle frame and supporting members.

1,504,680. ADJUSTABLE MICROMETER. JOSEPH FERNANDEZ, Oakland, Calif. Filed Aug. 29, 1921. Serial No. 496,237. 3 Claims. (Cl. 33—165.)



1. An adjustable micrometer, having a fixed abutment and a slidable measuring stem, a tubular extension bearing supported on a tubular head and adapted to support said stem when it is in an extended position and contacting with the stem for a considerable distance to form a bearing for said stem, and a micrometer for reading the measurements.

1,504,681. DRIVING MECHANISM. GEORGE J. FITZPATRICK, Chicago, Ill. Filed May 29, 1922. Serial No. 564,370. 6 Claims. (Cl. 74—7.)



1. Driving mechanism of the character described, comprising a holding frame provided with sloping sides, a shaft rotatably mounted in said frame and disposed therethrough in a diagonal manner relative to the sloping sides of the frame, a bridge member rotatably secured to one sloping side of said frame and extending to the upper end of the shaft, an internally toothed gear secured to said bridge member in an inclining diagonal manner relative to the longitudinal axis of the shaft and adjacent to opposite sides thereof, means whereby rotative movement of the gear will be transmitted to said shaft, and a handle secured to said bridge member whereby the latter and said gear may be rotated.

1,504,682. LAMP. JOSEPH FRALING, Bemidji, Minn. Filed Feb. 12, 1924. Serial No. 692,318. 2 Claims. (Cl. 240—10.)



1. A lamp comprising a housing the front face of which has angular recesses in the periphery thereof, a closely fitted front face on the housing formed of a material permitting the passage of light rays, a lamp within the housing, an extension cord leading to the lamp and constituting a support for the housing, means for connecting said cord to the upper portion of the housing, and a group of radiating tongues within each angular recess of the housing.

1,504,683. GAUGE. RUDOLPH V. FUSCO, Brooklyn, N. Y. Filed Apr. 25, 1921. Serial No. 464,199. 2 Claims. (Cl. 33—178.)

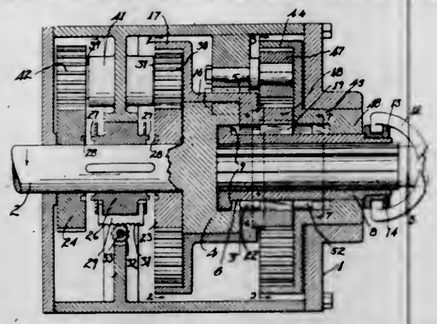


1. A device of the class specified, comprising in combination a gauge member having diverging faces, a tubular portion extending laterally therefrom in a line coincident with the vertex of the diverging faces and arranged with graduations, a plunger slidably mounted in said tubular portion normally yieldingly maintained in position with a portion of the plunger projecting between the gauge faces to a predetermined extent, a pointer carried by the plunger to co-operate with the graduations, a scribing tool, and a carrier therefor mounted on the tubular portion to have adjustment longitudinally thereon and adapted to be secured in variable predetermined positions in relation to a second set of graduations on said tubular portion for the purpose specified.

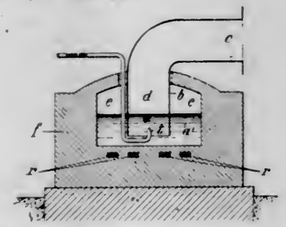
1,504,684. TRANSMISSION. JOSEPH C. GALLAGHER, Reno, Nev., assignor of one-eighth to Frank Knowles, Reno, Nev., one-eighth to Patrick Salmon, San Francisco, Calif., and one-eighth to R. E. Vice, Virginia City, Nev. Filed July 21, 1923. Serial No. 652,982. 9 Claims. (Cl. 74—59.)

1. In a change speed transmission, a drive shaft, a driven shaft alined therewith, a sleeve slidable on the driven shaft having means thereon for directly engaging the drive shaft, a member surrounding both the drive shaft and the sleeve, two gear wheels rotatable on the

drive shaft in spaced relation, an element slidable between the gear wheels adapted to be engaged with either of them for rotating the same, means for transmitting motion to the said member from the gear wheels in opposite directions and means for transmitting motion from the said member to the sleeve when the latter is slid backwardly.

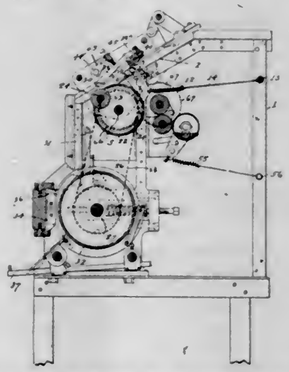


1,504,685. PROCESS FOR MANUFACTURING OXIDE OF WHITE ANTIMONY. ANTONIN GERMOT, Asnieres, France. Filed Sept. 11, 1922. Serial No. 587,451. 1 Claim. (Cl. 134—58.)



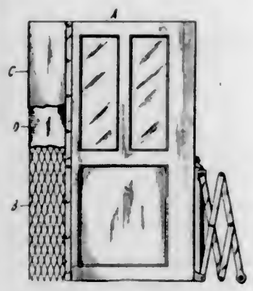
A process for making pure Sb_2O_3 suitable for the manufacture of paints and free from higher oxides, comprising blowing an oxygen containing gas into a bath of molten antimony which is held in a closed chamber, and collecting the thus formed clouds of oxide of antimony in receiving chambers.

1,504,686. INKING MACHINE. SOLOMON H. GOLDBERG, Chicago, Ill., assignor to The Hump Hairpin Manufacturing Company, Chicago, Ill., a Corporation of West Virginia. Filed Nov. 7, 1919. Serial No. 336,378. 6 Claims. (Cl. 101—363.)



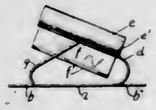
1. In an inking machine, the combination with a cylindrical rotatable ink reservoir having small perforations in the periphery thereof, of means for forcing the ink to the outside surface of the ink reservoir, distributing means frictionally contacting the ink reservoir, a feed roll with an inking roll rotatably mounted thereon, said inking roll adapted to procure ink from the distributing means and printing means positioned relative to the travel of said inking roll whereby the ink is transferred from the distributing means to the printing means.

1,504,687. CAR DOOR. PERCY M. GRIFFIN, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 9, 1924. Serial No. 705,257. 1 Claim. (Cl. 20—19.)



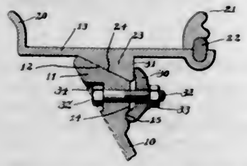
A sliding door having its front edge provided with a spring mesh formed of resilient metal bands disposed in planes transverse to the plane of the door.

1,504,688. CUTTING DEVICE. WILLIAM HAAS, Arlington, N. J. Filed Oct. 20, 1923. Serial No. 669,661. 1 Claim. (Cl. 30—14.)



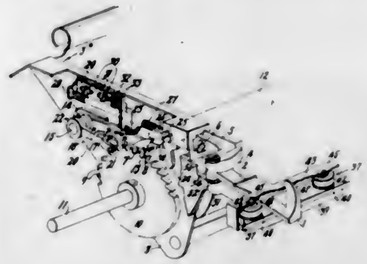
As an article of manufacture, a cutting device comprising the combination with a safety razor blade having a single cutting edge of a pressed sheet metal frame formed with a base portion having struck out therefrom apertured ears for securing said device to a surface, a portion bent upwardly at an angle with said base and formed with a slot for the passage of the blade substantially downwardly therethrough and disposed as a support therefor, a tubular member secured to the upper side of the blade support to retain the blade in cutting position, and a portion of said frame formed with a slot for the passage of the blade and bent upwardly towards said first mentioned portion to form an angle with the cutting edge of the blade to guide the article to be cut in contact therewith.

1,504,689. VEHICLE WHEEL. JAMES E. HALE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 19, 1921. Serial No. 501,662. 3 Claims. (Cl. 301—19.)



1. A vehicle wheel comprising a demountable tire rim having a centrally located frusto-conical supporting surface, a wheel embodying a disk portion with a substantially thickened peripheral portion, said peripheral portion having a frusto-conical surface adapted to cooperate with the corresponding surface of the tire rim, and clamping means associated with the wheel portion embodying a plurality of clamping members each of which is adapted to seat below the thickened portion of the wheel and to engage a lateral surface of the tire rim, and a bolt disposed intermediate the seating surfaces of the clamp for operating each of the clamps.

1,504,690. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 7, 1921. Serial No. 499,015. 17 Claims. (Cl. 197—114.)



1. In a typewriting machine, in combination, a platen, a ratchet-wheel connected to said platen, an actuating pawl for said ratchet-wheel, means for driving said pawl a given distance, means for adjusting the position of said pawl, and means for bodily adjusting said driving means to correspond to the adjustment of said pawl.

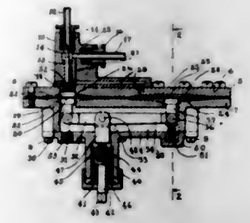
1,504,691. SAFETY SYSTEM FOR ELECTRIC NETWORKS. MARTIN HÖCHSTÄDTER, The Hague, Netherlands, assignor to N. V. Lijn-Protectie, The Hague, Holland. Filed Sept. 7, 1921. Serial No. 499,054. 2 Claims. (Cl. 175—294.)



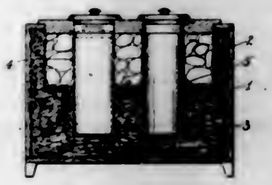
2. A safety system for automatically cutting out faulty sections of electric networks, having a sub-divided conductor in each section, a magnetically saturated transformer at each end of a section, having its primary winding connected to one branch and its secondary winding in the other branch of the section, so as to effect the magnetization of the transformer in opposite direction, the ratio of transformation of one transformer of a section being smaller and that of the other transformer being greater than the ratio of impedance of the sub-divided conductors.

1,504,692. EXPANSION VALVE FOR REFRIGERATING SYSTEMS. GEORGE F. KNOX, Milwaukee, Wis. Filed Mar. 16, 1922. Serial No. 544,260. 6 Claims. (Cl. 50—10.)

1. A device of the class described comprising a casing having an inlet and an outlet fluid passage, a pair of pressure chambers, and by-passes connecting said outlet passage with said chambers; a diaphragm in each of said chambers; a valve carried by one of said diaphragms, for controlling said fluid passages; a spring associated with said diaphragm within said casing, normally tending to open said valve; connections between said diaphragms whereby pressure upon the second diaphragm will act in opposition to the pressure on the first diaphragm and to the force of said spring; and means for varying the force exerted by said spring.

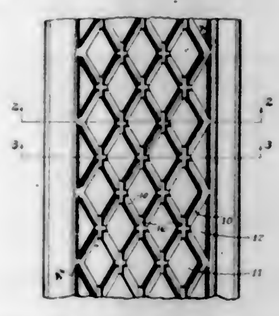


1,504,693. REFRIGERATOR. HARVEY R. LINDSAY, Oakland, Calif. Filed Apr. 24, 1923. Serial No. 634,273. 6 Claims. (Cl. 62—87.)



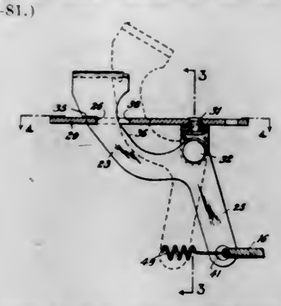
4. A refrigerator comprising a housing, a tank in the upper portion thereof, adapted to contain a cooling mixture, a water-tight receptacle within said tank and protruding through the bottom thereof and hermetically sealed where it passes through said bottom, and insulating material in the space between said housing and said tank and around the protruding portion of said receptacle.

1,504,694. VEHICLE TIRE. PAUL W. LITCHFIELD, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 27, 1921. Serial No. 495,866. 16 Claims. (Cl. 152—1.)



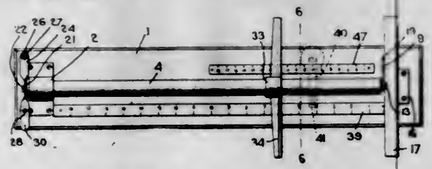
5. A resilient tire having relatively narrow tread indentures of varying depths, the depths of said indentures varying directly in accordance with their distance from the side of the tire and the distance between adjacent indentures being greater than the width of the indenture.

1,504,695. PEDAL. GEORGE F. LONG, New York, N. Y. Filed Aug. 14, 1922. Serial No. 581,705. 9 Claims. (Cl. 74—81.)



1. In a pedal actuated control mechanism for a cut-out, the combination with a pedal arm, of a base plate having a slot through which a portion of the pedal arm oscillates, said slot having a lateral notch for engaging the pedal arm in one of its positions, and means pivotally secured to said plate for supporting the arm.

1,504,696. CUTTING DEVICE FOR GLASS AND OTHER ARTICLES. CLIFTON R. MACLEAN, Stoughton, Mass. Filed Feb. 20, 1922. Serial No. 537,711. 17 Claims. (Cl. 33—26.)

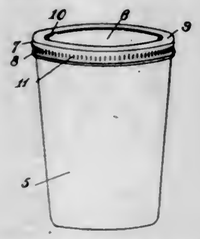


4. A glass cutting device comprising a pair of rock shafts having arms provided with cutting instrumentalities positioned to engage opposite faces of the article to be cut and a single resilient pressure-applying means acting upon both of said rock shafts to force the cutting instrumentalities against the opposite faces of the article with equal pressure.

1,504,697. ABRASIVE COMPOUND. JOSEPH A. MENARD, Seattle, Wash. Filed June 30, 1919. Serial No. 307,590. Renewed May 12, 1921. Serial No. 469,032. 3 Claims. (Cl. 51—280.)

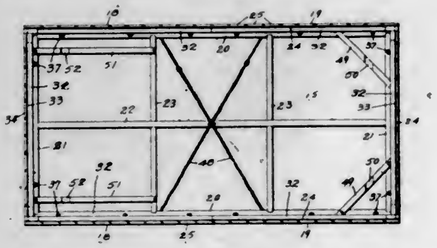
1. An abrasive compound for grinding in bearings and finishing bearing surfaces containing lead, silica and sodium in substantially the proportions stated.

1,504,698. CLOSURE FOR RECEPTACLES. AUGUSTUS L. MEROLLE, Brooklyn, N. Y., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 21, 1920. Serial No. 418,561. 2 Claims. (Cl. 215—38.)



1. A sheet metal receptacle closure comprising a cover portion and a continuous integral annular flange portion, the cover portion being adapted to rest flat upon the upper annular edge surface of a receptacle and the flange portion being adapted to telescope over the adjacent substantially straight outer surface of the receptacle, the flange portion being resilient and being of a size relative to that of the receptacle requiring it to be expended by forced movement downwardly over the receptacle whereby it will exert throughout its circumference a crushing strain against the receptacle and thereby frictionally retain the closure against displacement, and the cover portion having a downwardly projecting annular shoulder therein arranged to project into the receptacle in engagement with the inner surface of the receptacle to thereby reinforce the receptacle in withstanding the continued pressure of the flange.

1,504,699. KNOCKDOWN EXPORT PACKING BOX. ADOLPH MILLER, Kirkwood, Mo. Filed May 17, 1923. Serial No. 639,506. 6 Claims. (Cl. 217—12.)



1. A knock-down export packing box comprising a top, a bottom, end and side members, headed means carried by the side and end members and adapted to have the heads thereof engage with the edges of the top and bottom for holding the box in assembled position, and means for tightening said headed means when in engagement with the top and bottom.

1,504,700. ELECTROPLATING APPARATUS. JOSÉ LUIS MUJICA, Brooklyn, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation, a Corporation of West Virginia. Filed Aug. 17, 1922. Serial No. 582,337. 17 Claims. (Cl. 204—5.)

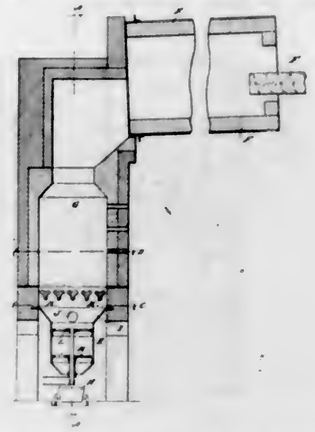


1. In apparatus for liquid treatment of articles, the combination with a tank, of endless means for supporting and moving the articles around the tank, and means for supporting said conveying means from the tank comprising a series of cross members and an adjustable connection permitting the length of said article supporting and conveying means to be varied.

1,504,701. PROCESS AND APPARATUS FOR MAKING CEMENT. SPENCER B. NEWBERRY, Cleveland, Ohio; Andrew W. Newberry, executor of said Spencer B. Newberry, deceased, assignor of one-half to Andrew W. Newberry and one-half to Arthur C. Newberry. Filed Jan. 24, 1921. Serial No. 439,486. 16 Claims. (Cl. 222—3.)

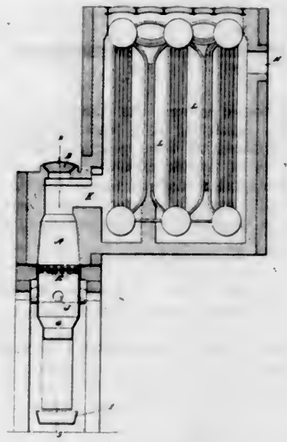
13. In a device of the class described the combination of a vertical kiln having an outlet at the top of a movable grate at the bottom to support the mass in the kiln and regulate and control the discharge of clinker through it, a pipe for supplying air under pressure to

the space below the grate, a substantially air tight closure below said grate of funnel shape with a central discharge



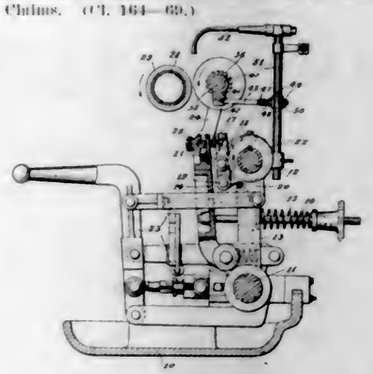
extension, a pair of spaced valves in said extension and means for feeding material containing carbonaceous combustible matter to said kiln at the top.

1,504,702. PROCESS FOR BURNING CEMENT CLINKERS. SPENCER B. NEWBERRY, Cleveland, Ohio; Andrew W. Newberry, executor of said Spencer B. Newberry, deceased, assignor of one-half to Andrew W. Newberry and one-half to Arthur C. Newberry. Filed July 7, 1921. Serial No. 483,084. 11 Claims. (Cl. 222—4.)



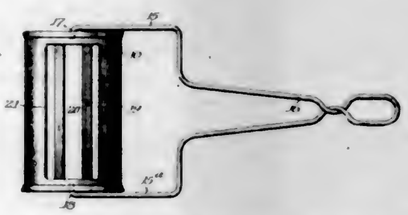
10. The process of producing cement clinker comprising forming small coherent masses of cement raw materials and carbonaceous fuel, the constituents of which are so proportioned that the argillaceous matter will be less than that required by an amount which will be replaced by the ash produced when the combustible constituents are burned, supplying said masses to the upper surface of a laterally enclosed and heat insulated body of predetermined height composed of similar masses, forcing a strong blast of air upwardly through said body to support and cause the combustion of the combustible constituents and discharging the cement clinker thereby produced at the bottom agitating the body of material during the passage of air for combustion and disintegrating coherent masses of clinker as they are discharged.

1,504,703. KNIFE-FEEDING MECHANISM FOR RUBBER AND FABRIC CUTTING MACHINES. WILLIAM NICHOLAS, Bridgeport, Conn., assignor to The Black Rock Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 20, 1923. Serial No. 626,305. 5 Claims. (Cl. 164—69.)



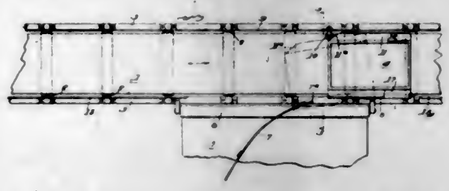
1. In a machine of the character described, a rotatable tube supporting mandrel, a circular cutting knife, means adapted to impart inward and outward movement to the knife to engage and disengage it with the tube, and means adapted to intermittently rotate said knife during its inward movement through a partial revolution independently of the rotation of the tube.

1,504,704. MIXING DEVICE. MATILDA J. NORDSTRAND, Chicago, Ill. Filed May 17, 1923. Serial No. 639,503. 8 Claims. (Cl. 259—2.)



1. A dough mixer comprising in combination, a cylindrical member having a mixing opening in its side wall, a discharge opening oppositely disposed with relation to said mixing opening, and a handle on which said cylindrical member is mounted.

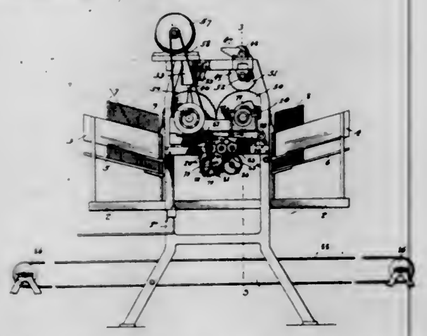
1,504,705. AUTOMATIC SELECTIVE CONVEYER SWITCH DEVICE. SAMUEL OLSON, Chicago, Ill., assignor to Samuel Olson & Company, Chicago, Ill., a Corporation of Illinois. Filed May 27, 1922. Serial No. 564,016. 12 Claims. (Cl. 186—1.)



1. In a conveyer a load carrier to travel thereon, a fixed switch member positioned out of the normal path of the load carrier, means on the carrier adapted for

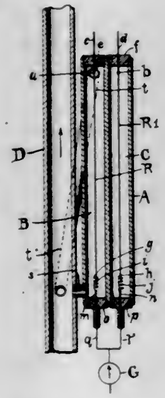
engagement with the switch member and fixed means adjacent the normal path of the load carrier adapted to divert the carrier from said normal path for engagement and control of the switch member.

1,504,706. WRAPPING MACHINE. PETER PACHTER, Chicago, Ill. Original application filed Jan. 6, 1919, Serial No. 269,832. Now Patent No. 1,453,636. Divided and this application filed June 25, 1920. Serial No. 391,715. 5 Claims. (Cl. 270—27.)



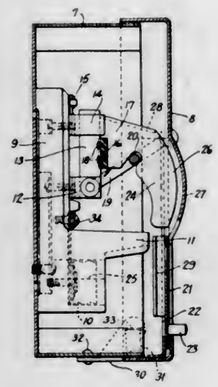
1. A wrapping machine of the class described, comprising correlated cylinders arranged to rotate toward each other, gripping means on said cylinder whereby paper stock is held on the cylinders for a predetermined period, means timed with the cylinders whereby adhesive substance will be applied to a predetermined point to the stock held on one cylinder, means for actuating the gripping means when the cylinders reach a predetermined point in their rotation to release the paper stock from the cylinders, a sectional cylinder arranged in the path of the released stock, means cooperating with said sectional cylinder adapted to roll the sheets upon themselves into tubular form.

1,504,707. GAS ANALYSIS. JACOB C. PETERS, Jr., State College, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1924. Serial No. 684,133. 21 Claims. (Cl. 23—3.)



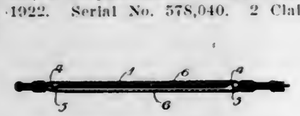
1. In the art of gas analysis, the method of procuring a sample from an enclosed current of the gas to be analyzed, which comprises effecting passage of the gas substantially solely by convection from and back to points in said current between which the pressure difference is substantially nil.

1,504,708. SAFETY SWITCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed Dec. 18, 1922. Serial No. 607,524. 10 Claims. (Cl. 200—50.)



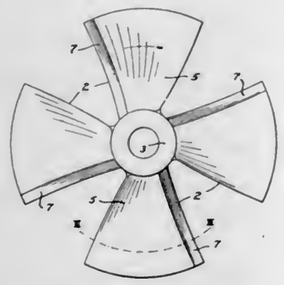
1. In a safety switch, a casing, a cover having a panel slidable to open or close an aperture therein, a fixed contact, a movable contact, an operating bar, and a member to interconnect the movable contact and bar and to prevent opening of the panel when the contacts are closed.

1,504,709. INDEXING SYSTEM. FRANK D. POWELL, Chicago, Ill., assignor to Acme Card System Company, Chicago, Ill., a Corporation of South Dakota. Filed July 28, 1922. Serial No. 578,040. 2 Claims. (Cl. 40—63.)



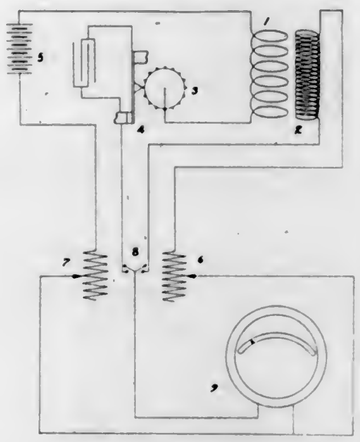
2. In an indexing system, the combination with a reversible frame, consisting of a web having a plurality of flanges positioned to form columns and adapted to engage the ends of flexible members, a plurality of longitudinally extending staggered raised portions adjacent and substantially parallel to the flanges, and functioning to assist in holding the strips and facilitating their removal.

1,504,710. ROTOR. JAMES F. ROBERTS, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 1, 1922. Serial No. 548,603. 16 Claims. (Cl. 253—153.)



1. A motor rotor vane the trailing edge of the working face of which is abruptly chamfered.

1,504,711. ELECTRICAL TACHOMETER. HERBERT O. RUSSELL, Detroit, Mich., and EDWARD A. SIPP, Dayton, Ohio. Filed Mar. 2, 1922. Serial No. 540,575. 1 Claim. (Cl. 175—368.)



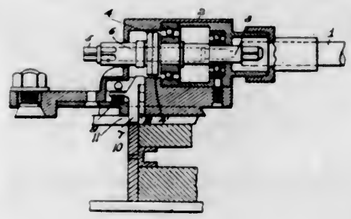
In an electrical tachometer, a primary electric circuit, a constant voltage source of electrical energy in said circuit, circuit make and break means in said circuit, an electrically controlled meter in said circuit graduated in R. P. M., a rheostat also in said circuit, a secondary circuit including said meter and a second rheostat, and a double-throw switch controlling said circuits.

1,504,712. CONTROL FOR SYNCHRONIZED GUNS. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,430. 3 Claims. (Cl. 89—27.)



3. A control for synchronized guns embodying a tubular casing, an impulse cable therein, and means for varying the effective length of said casing, and means for adjusting the primary effective length of the casing relative to said impulse cable.

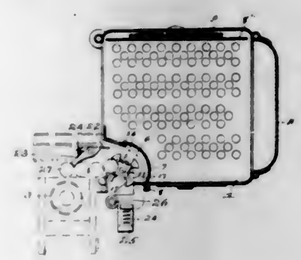
1,504,713. FLEXIBLE-SHAFT SYNCHRONIZING GEAR. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,399. 10 Claims. (Cl. 89—27.)



1. In a synchronizing gear for machine guns, an engine driven shaft terminating at one end in a serrated disc, a cam shaft terminating at one end in a serrated disc adapted to mesh with said first named disc to effect the adjustment of said cam shaft in relation to said first named shaft about their longitudinal axes, a sear slide operating plunger adapted to be actuated by the cams on said cam shaft.

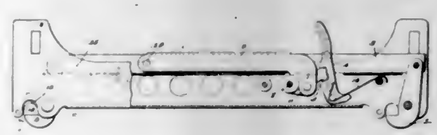
8. In synchronizing gear for machine guns, a trigger motor embodying a housing, a driving shaft, a cam on said shaft, and a sear-operating slide adapted to be moved out of operative position when struck by the sear slide of the gun.

1,504,714. MACHINE GUN AND HOPPER FEED BOX THEREFOR. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,401. 6 Claims. (Cl. 89—33.)



6. In combination with a machine gun, a mounting bracket detachably secured thereto, a hopper fed box detachably held on said bracket and having a cartridge outlet opposite the feed way of the gun, a rotatable cartridge feeding wheel carried by said bracket and positioned between said outlet and feed way, and means controlled by the cartridge feeding means of the gun for rotating said wheel to transfer the cartridges from the feed box to the gun feed way, the wheel rotating means embodying rack and pinion mechanism and a rack return spring.

1,504,715. BOMB-RELEASING SHACKLE. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,404. 3 Claims. (Cl. 244—1.)

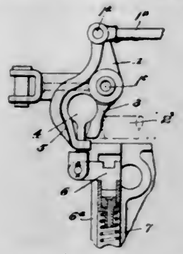


1. In a bomb-releasing shackle, a supporting bar, bomb-holding hooks pivotally mounted on said bar, a tie rod connecting said hooks to cause simultaneous operation thereof, a link pivoted at one end to said tie rod, a second link pivoted to said support and connected by a pivot to the first named link, and a trigger for holding and releasing said second link, all of the pivots of the links being in a straight line with each other when the shackle is set.

1,504,716. IMPULSE GENERATOR. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,408. 3 Claims. (Cl. 89—27.)

1. In an impulse generator, an impulse lever, a cam-actuated pin for operating said lever, an idler arranged

in the path of said pin between said pin and impulse lever, and a shiftable expanding member movable be-



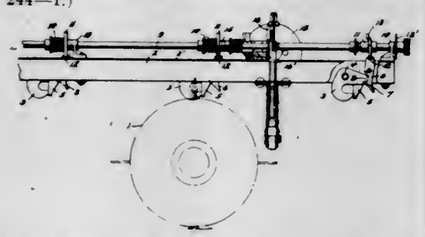
tween said idler and lever to render said lever operative or inoperative and means for shifting such expander member.

1,504,717. AUTOMATIC COCKING ATTACHMENT FOR MACHINE GUNS. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,411. 3 Claims. (Cl. 89—2.)



1. The combination with the bolt of a machine gun, of automatic cocking means embodying a normally free cocking rod connected to and operating in unison with the bolt, a spring plunger for thrusting said rod rearwardly upon failure of the gun to fire, and a catch for normally holding said spring in check but adapted to automatically release the plunger in case of non-fire.

1,504,718. SELECTIVE ELECTRIC CONTROL FOR BOMB-RACKS. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,420. 11 Claims. (Cl. 244—1.)

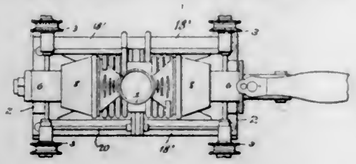


1. In combination with a bomb-supporting frame member, a bomb-supporting hook, a trigger for locking said hook, and a rotary cam shaft having a cam to operate said trigger to release the hook, said cam being movable longitudinally of said shaft.

1,504,719. FLEXIBLE GUN MOUNT. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,421. 8 Claims. (Cl. 89—40.)

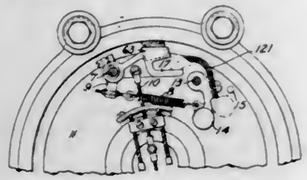
1. In a flexible gun mount for aircraft, a curved track, a wheeled carriage movable along said track, a gun supporting member mounted on said carriage, and means for raising said carriage off of its wheels so that the weight of the carriage is taken by flat track engaging members.

8. In a gun mount for aircraft, a gun support, means for moving said support about a horizontal axis, means



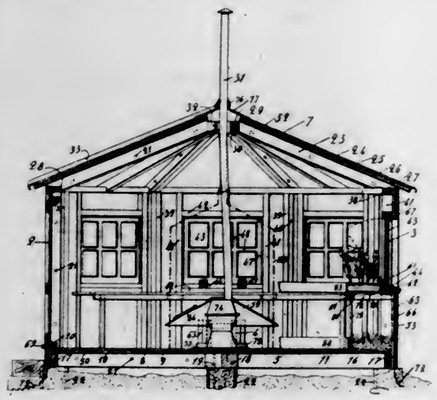
for moving said gun support about a second axis, and a single means operable selectively to prevent rotation of said gun support about either of said axes.

1,504,720. CENTRIFUGAL SHORT-CIRCUITING AND BRUSH LIFTING DEVICE. FRED V. SAMS, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 23, 1919. Serial No. 320,288. 6 Claims. (Cl. 172—120.)



1. In combination, a relatively stationary conducting ring, rotatable means, a brush movably mounted on said rotatable means coactable with said ring, means for biasing said brush into engagement with said ring, a contact movably mounted on said rotatable means, a weight adapted to be moved by centrifugal force rigidly associated with said contact, means for restraining said weight, and a conducting projection associated with said brush extending into the path of movement of said contact means whereby said contact will first engage said projection and then move said brush out of engagement with said ring.

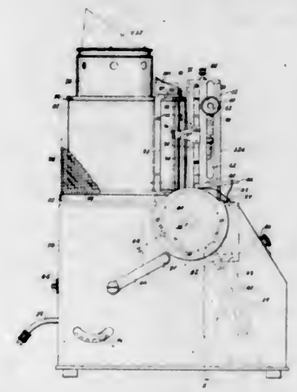
1,504,721. COMBINED BROODER AND GREENHOUSE. LÉON SAUVÉ, Ridgefield, Conn., and LUCIEN ARDIN, New York, N. Y. Filed Jan. 26, 1922. Serial No. 531,932. 16 Claims. (Cl. 119—32.)



1. A combined brooder and greenhouse comprising a house for raising chicks, the house being of polygonal shape, and having its sides and roof formed of separable

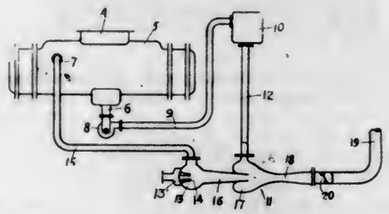
sections, one of the sides having a door to permit the entrance of the attendant a central heater within the house for heating it, a plurality of boxes arranged around the inside of the house and adjacent to the sides, for receiving soil for growing plants, means for supporting said boxes out of reach of the chicks, and radial division panels extending from said boxes to said central heater each of said panels rising above said floor the tops of the panels being below said boxes and the height of the panels permitting the attendant to step over them.

1,504,722. MOVING-PICTURE PROJECTOR. HERMAN C. SCHLICKER, Milwaukee, Wis., assignor of one-half to John R. Freuler, Milwaukee, Wis. Filed Oct. 17, 1919. Serial No. 331,499. 58 Claims. (Cl. 88—16.)



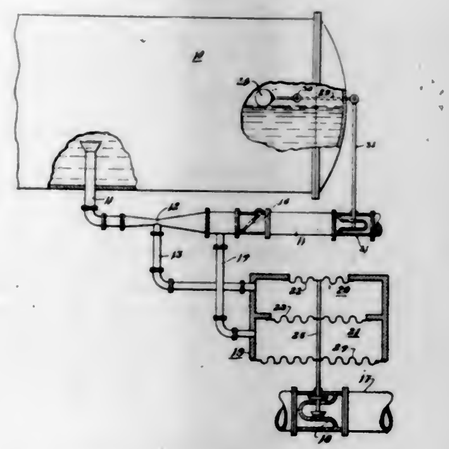
1. A moving picture projector, comprising means for intermittently moving a transparent film having a spiral line of pictures thereon, a projecting lens adjacent the film and continuously movable approximately at right angles to the film movement and at a speed corresponding to the speed of travel of the line of pictures longitudinally of the axis of movement of said pictures, and means for directing a ray of light through the film and the lens.

1,504,723. FLUID-TRANSLATING DEVICE. HENRY F. SCHMIDT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919, Serial No. 296,671. Renewed May 11, 1922. Serial No. 560,263. 10 Claims. (Cl. 103—6.)



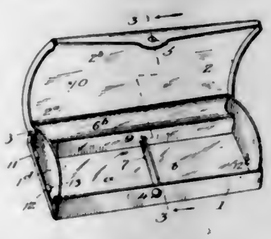
1. In combination in a condenser installation, an air ejector means, condensate ejector means into which the air ejector means discharges, an elevated receiver for delivering condensate withdrawn from the condenser to the condensate ejector means, and means for elevating condensate from the condenser to said receiver.

1,504,724. FUEL CONTROL. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1921. Serial No. 434,637. 9 Claims. (Cl. 122—449.)



1. The method herein described of controlling combustion in furnaces which consists in regulating the supply of fuel in accordance with the boiler pressure and further varying the feed of said fuel in accordance with variations in the rate of feed water supply.

1,504,725. CONTAINER. CONRAD SCHUMACHER, Lynbrook, N. Y., assignor to Auto Strop Co., New York, N. Y., a Corporation of New York. Filed Dec. 13, 1921. Serial No. 521,984. 3 Claims. (Cl. 206—16.)

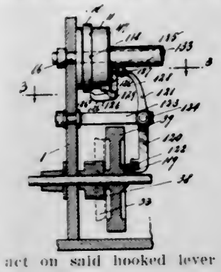


1. A container comprising a hollow body, a member extending lengthwise within the body, and a strip extending across the body between one of its walls and said member, said wall having an outwardly extending recess receiving an end of said strip to retain them from displacement, and a cover hinged to the container and having a flange provided with a recess to receive the first named recess to retain the cover closed.

1,504,726. FILM-FEEDING MECHANISM FOR CINEMATOGRAPHS. HERMAN N. SEFFERT, Brooklyn, N. Y. Filed Nov. 13, 1922. Serial No. 600,575. 1 Claim. (Cl. 74—14.)

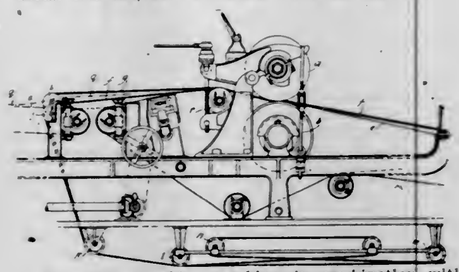
In a film feeding mechanism for cinematographs or the like, the combination with the driving shaft and the film feeding drum shaft, of a continuously freely revolving body on said second shaft, a notched disk loose on the latter, a hooked spring actuated lever carried by said revolving body and engaging a notch in said disk

to couple it to said body, a cam on said driving shaft and a lever operated from said cam and adapted to



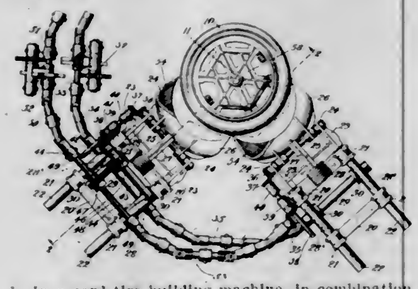
intermittently act on said hooked lever to uncouple it from said disk.

1,504,727. PAPER-MAKING MACHINE. WILLIAM SHEAHAN, Ocean Falls, British Columbia, Canada; LAMAR TOOZE, administrator of said William Sheahan, deceased, assignor to Joseph W. Sheahan, Los Angeles, Calif., and MARIE B. TOOZE, Eugene, Oreg., and EDWARD K. SHEAHAN, Los Angeles, Calif., and LOUISE M. SHEAHAN, Eugene, Oreg., jointly. Filed Aug. 29, 1921. Serial No. 496,794. 5 Claims. (Cl. 92—49.)



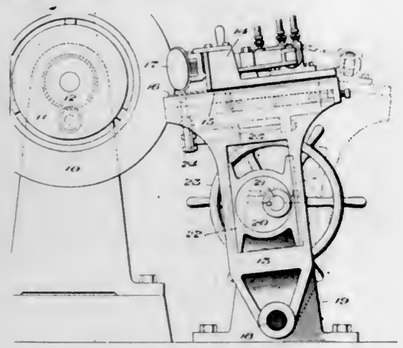
1. In a paper making machine, in combination with the press-rolls of means for conducting the web of paper thereto, such means comprising a sheave element mounted on the periphery of one end of the upper press-roll, a pair of endless travelling carriers bearing in said sheave element, side by side, the carrying surface of said sheaving element being below the web carrying surface of said press-roll by the thickness of said carriers, so that the web-carrying surfaces of the latter will travel approximately at the same speed as said drier-rolls, sheaves arranged for conducting said carriers to and from said press-rolls, the sheaves in front of the latter being adapted to separate said carriers at the web receiving end so as to permit the lead-end of the web to be placed between them.

1,504,728. CORD-TIRE-BUILDING MACHINE. KNUT O. B. TEXTORIUS, New York, N. Y., assignor to Tex Engineering Corporation, New York, N. Y. Filed May 27, 1921. Serial No. 473,087. 28 Claims. (Cl. 154—11.)



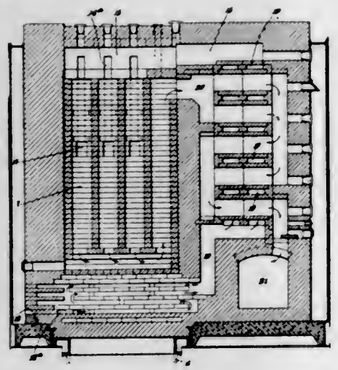
1. In a cord tire building machine, in combination with a tire forming core, a cord holder mounted for bodily swinging movement, and means for swinging said holder from a cord receiving position in angular relation to the core to a position in radial alignment therewith.

1,504,729. TIRE-BUILDING MACHINE. ROLAND S. TROGNER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 23, 1919. Serial No. 332,667. 13 Claims. (Cl. 154—10.)



12. A tire-building machine including a tire-forming core, a stitcher-supporting instrumentality associated with the core, and a stitcher device on the instrumentality and movable toward the core and maintained in relation thereto by the force of gravity.

1,504,730. PROCESS OF CARBONIZATION. MILTON C. WHITAKER, New York, N. Y., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed July 11, 1919. Serial No. 310,131. 5 Claims. (Cl. 252—3.)

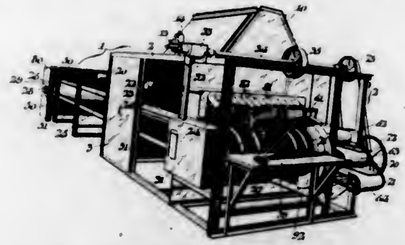


1. The process of producing porous decolorizing carbon having highly active surfaces, comprising feeding distillery waste into a highly heated zone to drive off the water, and then feeding it into a zone of a lesser temperature to complete the carbonization.

1,504,731. DRYING MACHINE. HARRY H. WIGGLESWORTH and HAROLD O. KAUFMANN, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 10, 1922. Serial No. 550,956. 21 Claims. (Cl. 34—12.)

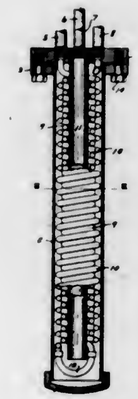
19. A drying machine, comprising a conveyor, a drying chamber through which the conveyor passes, means to support hosiery forms on the conveyor so that when the latter is filled with hosiery forms of maximum length

the entire operating surface of the conveyor will be covered thereby, means to direct a current of air through



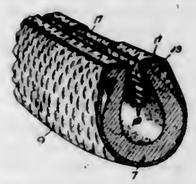
the conveyor and between the forms, and means to cover a portion of the conveyor when shorter forms are used so as to direct the air current between said short forms.

1,504,732. LIQUID COOLER. JAMES WILSON, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 2, 1920. Serial No. 414,245. 5 Claims. (Cl. 257—229.)



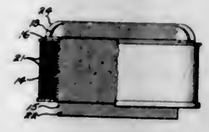
2. In a cooler, a pair of helical tubular coils screwed one within the other and having their lower ends connected to form a single conduit beginning at the upper end of one of said coils and terminating at the upper end of the other coil, a vertical cylindrical member located within and in close proximity to the innermost portion of said coils, and a vertical tubular casing surrounding and located in close proximity to the outermost portion of said coils.

1,504,733. PACKAGE. EDWARD H. ANGIER and WILLIAM M. WHEILDON, Framingham, Mass.; said Wheildon assignor to said Angier. Filed Mar. 14, 1922. Serial No. 543,689. 16 Claims. (Cl. 206—46.)



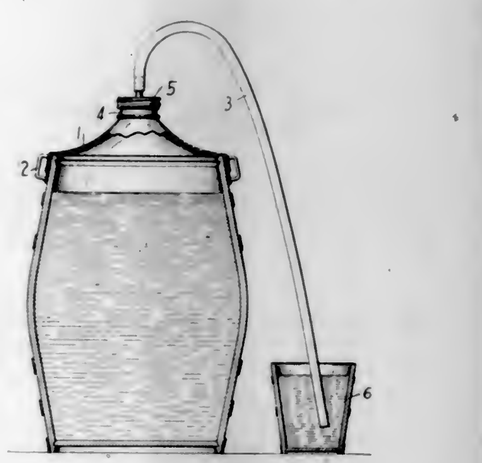
5. A package comprising a toric article and a wrapping applied circumferentially along one of the circumferences thereof and overlying the sides of the tire, said wrapping comprising throughout its area differentially expanded gatherings and thereby conforming to the enclosed article, the edges of the wrapping being tucked into the interior of the article.

1,504,734. FIELD-POLE CONSTRUCTION. ROBERT W. BORCHARD, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed June 6, 1921. Serial No. 475,516. 10 Claims. (Cl. 171—252.)



7. A pole end-plate built up out of sheet stock, comprising a member bent out of its general plane at one end to form a shelf, a second member having a portion thereof bent out of its general plane and forming a brace for said shelf.

1,504,735. BARREL CLOSURE. ANNA BRECHAK, Dayton, Ohio. Filed Nov. 6, 1922. Serial No. 599,279. 6 Claims. (Cl. 217—105.)

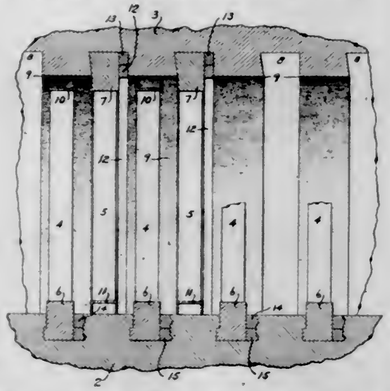


1. A closure for barrels and the like comprising a hood of flexible material having an elastic circumferential edge portion adapted to be stretched about the open end of a barrel, and handles applied to said edge portion of said hood to facilitate the application of said hood to a barrel.

1,504,736. MEANS FOR PROTECTING TURBINE SURFACES. EDWIN H. BROWN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed May 6, 1920. Serial No. 380,011. 2 Claims. (Cl. 253—39.)

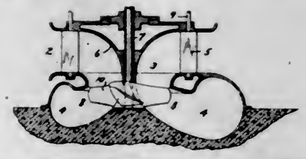
1. In a fluid actuated turbine, a plurality of stationary blades, a non-corrodible foundation strip rigidly attached to corresponding ends of said blades, a corrodible casing

within which said foundation strip is rigidly secured, and a non-corrodible coating of erosion resisting metal in the form of a film deposited as minute particles permanently



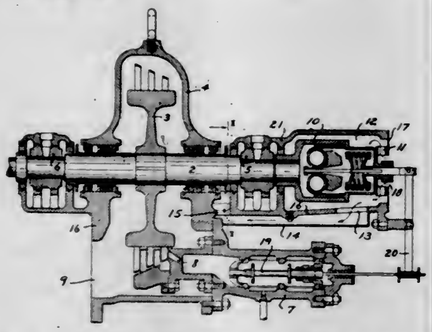
attached and closely adhering to said casing and covering a portion thereof otherwise exposed to fluid passing said blading.

1,504,737. HYDRAULIC TURBINE. EDWIN H. BROWN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed July 1, 1921. Serial No. 481,745. 20 Claims. (Cl. 253—148.)



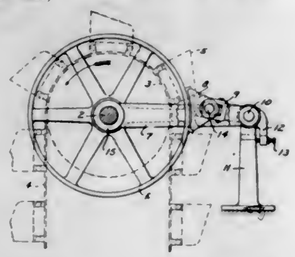
17. In combination, a turbine impeller having non-overlapping vanes, conduit means formed to positively produce a whirling stream of liquid and to deliver said stream axially toward said impeller, and means for effecting free discharge of whirling liquid from said impeller in both axial and radial directions.

1,504,738. BEARING. EDWIN H. BROWN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 4, 1922. Serial No. 592,207. 4 Claims. (Cl. 253—39.)



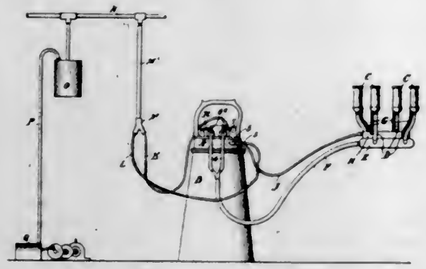
1. In combination with a steam turbine having a stationery lower casing, a bearing secured to an end of said casing, and removable caps coacting with said casing and bearing, of a steam supply conduit located beneath said bearing and communicating with said casing, means forming a confined cooling duct extending horizontally between said bearing and said conduit, and a fan operable by said turbine to produce a flow of air through said duct.

1,504,739. ELEVATOR BRAKE. JOHN W. BROWN, West Allis, and ALEXANDER J. NICHT, Jr., Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Jan. 24, 1920. Serial No. 354,207. 3 Claims. (Cl. 188—81.)



1. In combination, a horizontally disposed rotary shaft, a horizontally disposed pivot spaced horizontally from said shaft, and a single toggle connecting said pivot and said shaft, one element of said toggle comprising a link and the other element comprising a brake wheel secured to said shaft and a shoe having surface coaction with said wheel, rotation of said shaft in one direction tending to flex said toggle while maintaining said surface coaction and reverse rotation of said shaft tending to straighten said toggle and stop said shaft.

1,504,740. MILKING-MACHINE PULSATOR. EDWIN DE HAVEN CALDWELL, Fredonia, N. Y., assignor, by mesne assignments, to Empire Milking Machine Company, Bloomfield, N. J., a Corporation of New Jersey. Filed Aug. 19, 1920. Serial No. 404,630. 10 Claims. (Cl. 31—101.)

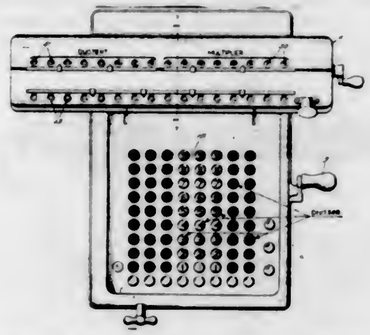


1. In a milking machine, a source of suction, a suction line and a suitable milking device for attachment to a cow, an intermediate mechanism to control the pulsating of the milking device, means related to said mechanism for interrupting the suction in the line to the milking device and means for operating the same by the variations in air pressure in the line, said means being connected in such a manner that the action of the regulator will vary fractionally with the variation of the suction on the line, and a quick-throw device actuating the pulsator mechanism.

1,504,741. COUNTING-WHEEL CARRY MECHANISM. GEORGE C. CHASE, South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Sept. 11, 1923. Serial No. 662,090. 64 Claims. (Cl. 235—137.)

1. In a calculating machine, reversible numeral wheels, and carry mechanism therefor including actuating means

having a universal element, members carried and reciprocated thereby, and members carried by the numeral wheels



and individually engaged by the actuator members, said means adapted to rotate said numeral wheels selectively in either direction.

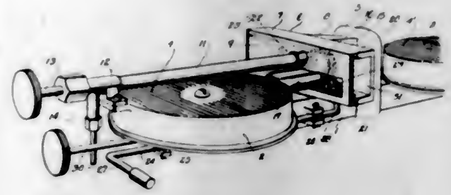
1,504,742. PENCIL. HAZELLE R. CHRISTIANSEN, Rockford, Ill. Filed Aug. 14, 1922. Serial No. 581,570. 5 Claims. (Cl. 120—18.)



5. A pencil comprising a hollow barrel having one end formed into a lead channel opening through the corresponding end thereof, the opposite end of said barrel being notched; a rotatable lead container in said body said lead container being provided in its periphery with a plurality of lead pockets open at both ends; a flange on said lead container provided with lugs adapted to fit the notches in said barrel; a sealing plate in said barrel at the inner end of said container, there being a notch in said sealing plate adapted to register with the respective pockets in said lead container upon rotation thereof; lugs on the sealing plate, there being notches in the inner walls of the barrel to receive said lugs and prevent turning of said sealing plate; a rotatable stem in said lead container, said stem being provided with an oblong bore; and a second stem operating in said oblong bore and having an oblong head at its outer end preventing rotation in said bore, the inner end of said inner stem being threaded in the inner end of said lead container, substantially as described.

1,504,743. PREHEATER FOR GASOLINE STOVES. WILLIAM C. COLEMAN, Wichita, Kans. Filed Nov. 9, 1923. Serial No. 673,797. 6 Claims. (Cl. 158—83.)

6. An oil burner comprising a burner member adapted to burn vaporized liquid fuel, a vaporizer above the member, the length of the vaporizer being greater than the diameter of the member, the vaporizer having a discharge end, a mixing chamber into which the vaporizer discharges, means for communicating the mixing chamber with the member, a preheater cup having an upwardly



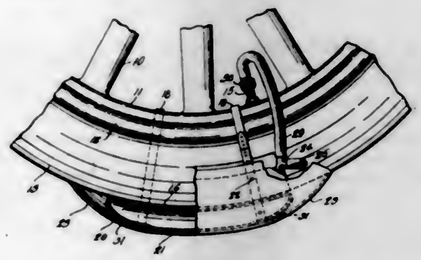
extending end adapted to align with the discharge end of the vaporizer when the preheater cup is beneath the vaporizer and a transversely movable slide supporting the preheater cup.

1,504,744. HINGE. RAY B. COX, Berkeley, Calif. Filed July 13, 1922. Serial No. 574,686. 7 Claims. (Cl. 16—165.)



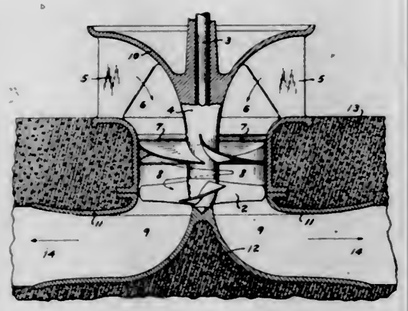
1. A hinge having a pair of straps provided with corresponding right angular abutments and a plurality of spaced openings, a plurality of links hingedly connecting said straps together on opposite sides of said abutments, and a plurality of supporting members intermediate said links, hinge pins connecting said links and said supporting members, said supporting members having right angularly formed faces for engagement with said straps and said abutments.

1,504,745. TIRE PATCH AND PUMP. JOSEPH DE FABIO and ROBERT M. BANKS, Bridgeport, Conn. Filed Dec. 13, 1923. Serial No. 680,476. 5 Claims. (Cl. 152—24.)



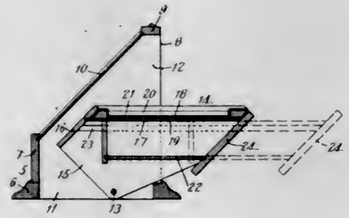
2. A combination patch and inflating device for pneumatic tires comprising spaced shoes of flexible material, a flexible rubber bag between said shoes the walls of which tend to separate, a non-return valve connected with said bag and the atmosphere, a tube leading from the bag adapted for connection to the filling nipple of a tire, and means for clamping the device on the tire with the inner shoe covering a break in the tire.

1,504,746. HYDRAULIC MACHINE. GEORGE F. DE WEIN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Mar. 27, 1922. Serial No. 547,142. 9 Claims. (Cl. 253—153.)



3. In combination, means for directing a flow of liquid in radial planes only with respect to an axis, means for causing the liquid to flow along said axis, means for positively causing the axially advancing liquid to whirl, means forming a vane free space for receiving the whirling liquid and for conducting said liquid along said axis, and a rotor located in the path of the freely whirling axially advancing liquid.

1,504,747. DISPLAY CABINET FOR PENS AND PENCILS. WILLIAM P. DE WITT, Somerville, Mass., assignor to De Witt-La France Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Aug. 20, 1921. Serial No. 493,790. 2 Claims. (Cl. 211—25.)



1. A display cabinet having, in combination, a casing embodying therein an inclined glass panel, a tray mounted within said casing and provided with a plurality of parallel grooves formed therein, a stationary pivot for said tray, said pivot being located beneath said tray and at a substantial distance from the front thereof, said tray being normally disposed adjacent to the rear of said panel and parallel thereto and a drawer slidably mounted upon said tray, the bottom of said tray constituting a cover for said drawer, said tray and drawer being adapted to be tipped in unison within said casing to a horizontal position.

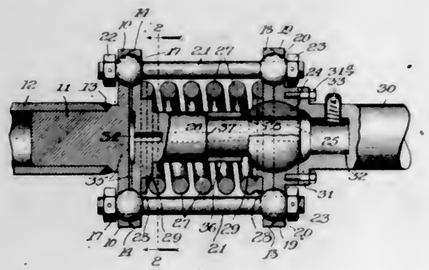
1,504,748. DOORSTOP AND DOOR CLOSER. WALTER P. DORL, Detroit, Mich., assignor to Door Control Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 22, 1921. Serial No. 439,186. 4 Claims. (Cl. 292—262.)

1. In a vehicle body, in combination, the body wall, a door pivoted thereto, a flexible check band one end of which is secured to the door the other end of which is secured to the body wall, resilient fastening means securing at least one end of said band to the member to which it is fastened in such a manner that as the door is opened the band is drawn outwardly against the tension of said resilient fastening means, means for limiting the outward travel of such band in the opening of the door, a catch member so positioned that the band will travel



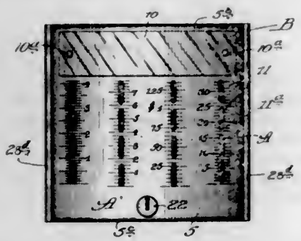
thereby as the door is opened, a stop carried by said band adapted to engage said catch member at a determined open position of the door to prevent the tension on the band from retracting the same, and means adapted to releasably hold said catch in engagement with the stop to prevent retraction of the band by the tension of said resilient fastening thereon.

1,504,749. FLEXIBLE COUPLING. GEORGE F. ECKART, Cincinnati, Ohio. Filed June 18, 1923. Serial No. 645,994. 7 Claims. (Cl. 64—96.)



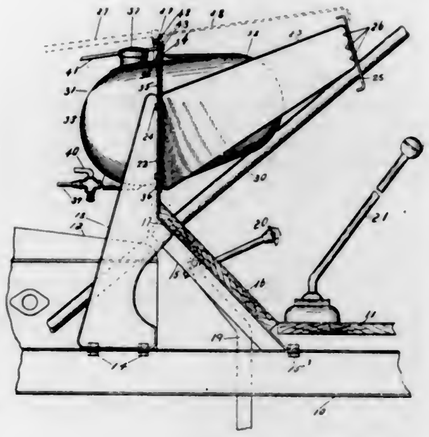
1. In a flexible coupling, a pair of opposing flanges, a series of members flexibly connecting said flanges, a compression spring holding said flanges outwardly against said members, a shaft extending between the flanges for holding them in alinement, and means on said shaft for limiting the movement of said flanges.

1,504,750. SAVINGS BANK. CHARLES FISHER, Chicago, Ill., assignor to The Automatic Recording Safe Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1921. Serial No. 473,972. 32 Claims. (Cl. 232—4.)



1. A savings-bank comprising a pair of substantially flat-sided complemental open-sided casing-sections having complemental partial coin chambers and forming when together a substantially flat body, coin-admission means for said coin chambers, and means for locking the sections together.

1,504,751. FUEL-TANK SUPPORT. CHARLES F. GREEN, Defiance, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Nov. 14, 1918, Serial No. 262,535. Renew 1 Jan. 8, 1924. 23 Claims. (Cl. 180—54.)



1. In a device of the class described, in combination: a vehicle frame; a dash carried by said frame, a fuel tank formed of mating sections secured to opposite sides of the dash and connected thereto by common fastening means.

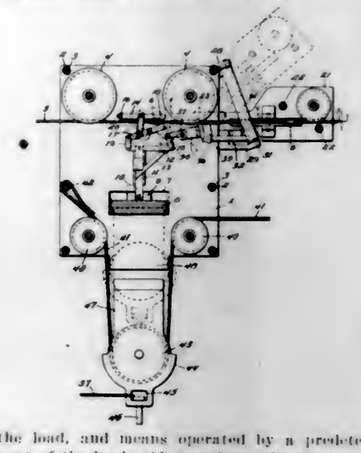
1,504,752. GOLF-PRACTICE DEVICE. MARTIN GREEN, London, England. Filed Mar. 7, 1923. Serial No. 623,380. 2 Claims. (Cl. 46—4.)



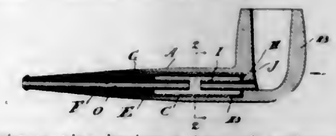
2. A golf practice device, comprising a flyer of sheet material of such character as to be capable of withstanding the blow of a golf club without material deformation, said flyer being provided with means for temporarily supporting it vertically in position to receive the blow of any ordinary golf club, whereby said flyer will be projected away from the club when struck, but will have its flight limited by its form and light weight, and a flight retarding device consisting of a flexible pendant attached to said flyer at one end and having its other end entirely free, to further limit the extent of its flight.

1,504,753. LOG CARRIER. JOSEPH A. GUEMIN, Seattle, Wash. Filed May 2, 1923. Serial No. 636,254. 16 Claims. (Cl. 212—76.)

1. A conveyor, including a supporting cable having a plurality of stops means to engage said stops to prevent movement of the carrier in one direction on the cable, said respective means operating at right angles to each other, a load cable cooperating with the carrier to support the load, and means operated by a predetermined movement of the load cable to release the carrier relative to the stops.

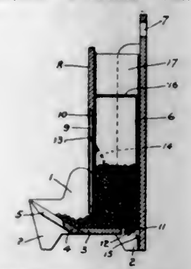


1,504,754. TOBACCO PIPE. ALFRED HACKETT, Toronto, Ontario, Canada. Filed Mar. 3, 1923. Serial No. 622,583. 1 Claim. (Cl. 131—12.)



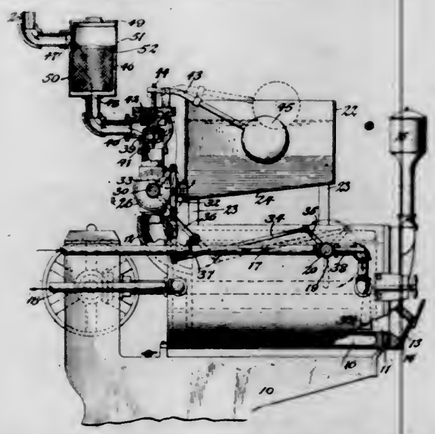
A tobacco pipe having a bore of uniform diameter longitudinally formed in the straight stem thereof for the major portion of its length, the inner end of said bore terminating short of the cavity in the bowl; a metal lining of uniform diameter having a circular inturned flange at its inner end permanently mounted in said bore, and having its flanged inner end fit against the inner end of said bore; a metal conduit having its inner end mounted in that portion of the bowl of the pipe separating the inner end of said bore from said cavity, and extending through the inner end of said lining; a mouth piece having a neck adapted to fit within the outer end of said metal lining, and a metal conduit mounted within said mouth piece for the length thereof and extending beyond said neck into said metal lining, the inner ends of said conduits being spaced apart.

1,504,755. MATCH SAFE. CARL HAMMERSEN, Vancouver, British Columbia, Canada. Filed June 25, 1923. Serial No. 647,770. 6 Claims. (Cl. 206—31.)



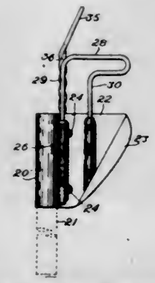
1. A match safe comprising a rear wall and a front panel adapted to hold a match box therebetween, a match receiving tray, and means for adjusting the front panel to suit varying sizes of match boxes.

1,504,756. ICE-CREAM FREEZER. HARRY B. HAM MILL, Buffalo, N. Y. Filed Aug. 19, 1921. Serial No. 493,593. 1 Claim. (Cl. 62—114.)



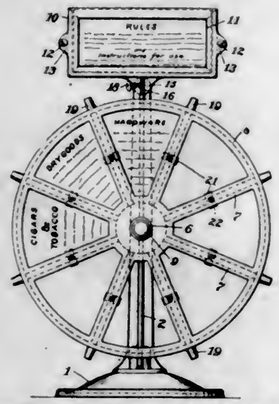
An ice cream freezer comprising a freezing chamber, a refrigerating jacket surrounding the freezing chamber, a measuring tank for measuring the liquid to be frozen and having a communicating passage, an ice cream mixture supply pipe, an ice cream mixture controlling valve having its casing connected with said supply pipe, said measuring tank and said freezing chamber and having a movable plug which in one position connects said measuring tank with said supply pipe and in another position connects said measuring tank with said freezing chamber, a refrigerant controlling valve having a casing connecting with a refrigerant supply and with said jacket and having a movable plug adapted to open and close the passage through said refrigerant valve casing, and means operatively connecting the plug of said ice cream mixture controlling valve and the plug of said refrigerant controlling valve and operating in one position to close the refrigerant controlling valve and shift the mixture controlling valve so that it disconnects the freezing chamber from the measuring chamber and in another position to open said refrigerant valve and shift said mixture controlling valve so that it connects the mixture tank with the freezing chamber.

1,504,757. BRIDGE-WARNING DETACHER AND REPLACER. BENJAMIN J. HASTINGS, Taunton, Mass., assignor to Hastings Signal & Equipment Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1923. Serial No. 630,491. 13 Claims. (Cl. 294—24.)



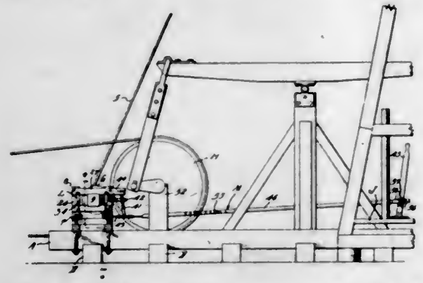
1. In a device of the character described, two cooperating clamping members mounted on a holder, said clamping members being adapted to yieldingly hold a drop wire, and a guide member extending above said clamping members to guide the positioning of the drop wire with relation to a hanger with which it is to be connected.

1,504,758. ADVERTISING DEVICE. CLAUDE H. HAYS, Union, Miss. Filed Oct. 22, 1923. Serial No. 670,159. 2 Claims. (Cl. 46—56.)



1. An advertising device, including a base, a standard thereon, an axle carried by said standard, and a rotatable wheel on the axle, pins projecting outwardly from the periphery of the wheel, and a flexible stop carried by the standard projecting between the pins to retard rotary movement of the wheel, said wheel having spokes with openings between the same, and cards located between the spokes.

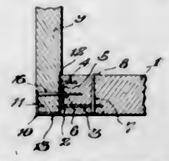
1,504,759. WELL-DRILLING RIG. THOMAS WESLEY HOLLEY, Ranger, Tex. Original application filed Feb. 10, 1921, Serial No. 444,030. Divided and this application filed May 18, 1922. Serial No. 561,927. 3 Claims. (Cl. 74—26.)



1. In a well drilling rig, the combination of a main sill and a tail sill, a sand reel including a shaft and pulley, and a band wheel for engagement with said pulley, of a tail pedestal for one end of said shaft carried by the tail sill, a head pedestal mounted upon the main sill for longitudinal movement, a bearing for the other end of the sand reel shaft associated with the pedestal for movement longitudinally and laterally of the main sill, a manually operated means for adjusting the bearing block longitudinally of the main sill, and means for permitting adjustment of the operating mechanism relative to the adjustment of the head pedestal and of the bearing block laterally of the main sill.

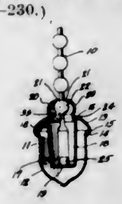
1,504,760. THEFTPROOF BOX. JOHN LAWRENCE HOOD, Pawtucket, R. I. Filed Sept. 28, 1923. Serial No. 665,392. 6 Claims. (Cl. 212—69.)

1. In a theft proof box, sides, ends and bottoms each composed of a plurality of pieces of material, substantially L-shaped channel bars embedded in the end edges of the end pieces and having their connecting sides formed with nail-receiving depressions, nails driven through the end pieces and through the long sides of the channel bars and clinched to the inner faces of the end pieces, similar channel bars connected to the end edges of the sides, top and bottom, the long sides of the channel bars of the sides being engaged with the connecting sides of the channel bars of the ends, and the adjacent sides of the



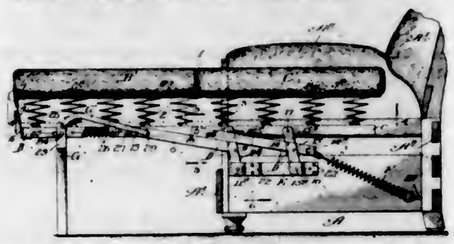
channel bars of the top and bottom being engaged with the top and bottom edges of the ends of the box, and nails driven through the box sides and through the long sides of the channel bars of the sides, and through the nail-receiving depressions of the connecting sides of the channel bars of the ends and into the latter.

1,504,761. CLASP. HARVEY HUBBELL, Bridgeport, Conn. Filed May 31, 1923. Serial No. 642,502. 9 Claims. (Cl. 24—230.)



1. In combination, a body member provided with an opening therein, and a spring clip extending through said opening provided with spaced side members connected together at their inner ends only, said side members being curved over toward each other at their outer ends to provide flanges having opposed recesses forming an opening for insertion and removal of an enlargement on a separate element, the sides of the opening in the body member being adapted to engage the side members of the clip intermediate its ends to retain the enlargement therein.

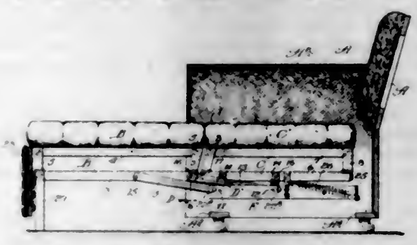
1,504,762. SOFA BED. CHARLES HULTGREN, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Oct. 21, 1921. Serial No. 509,374. 5 Claims. (Cl. 5—22.)



1. In a structure of the character set forth, the combination of a main frame equipped with end-standards, a pair of levers of general T form having their head portions pivotally connected at one end with said end-standards, a rear bed-section having its end portions pivotally connected with the other ends of the heads of said levers, and a front bed-section having the rear and intermediate portions of its end members pivotally mounted on the long arms of said levers, said levers being proportioned and arranged so that the long arms of the rear pair of levers will rest upon the long arms of the front pair of levers when the structure is in bed-form.

5. In a structure of the character set forth, the combination of a main frame, pairs of front and rear levers pivotally mounted thereon, a rear bed-section having pivotal connections with the short arms of said levers, a front bed-section having pivotal connections with the free ends of the long arms of the levers, legs equipped with pivots which are movable in slots with which the front bed-section is provided, springs tending to hold said pivots at the rear ends of said slots, said legs being provided with extensions above said pivots, and links connecting said extensions with the long arms of the front pair of levers.

1,504,763. SOFA BED. CHARLES HULTGREN, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Apr. 4, 1921. Serial No. 458,189. 4 Claims. (Cl. 5—22.)



1. In a structure of the character set forth the combination of a main frame having end standards provided at their inner surfaces near their lower edges with rigidly secured supporting plates, a pair of plates demountably carried by said supporting plates and equipped with rearward extensions, a pair of levers permanently pivoted to each demountable plate, each of said levers having a long arm and a short arm, a front bed-section mounted on the long arms of said levers, and a rear bed-section mounted on the short arms of said levers, the short arms of said levers serving to carry the rear bed-section rearwardly a substantial distance and then forwardly substantially the same distance in the operation of folding the structure, said rear bed-section being adapted to occupy a position above the plane of said extensions when the bed is open and a position below the plane of said extensions when the bed is closed, and springs connecting the rear ends of said extensions with the rear bed-section.

1,504,764. PROCESS OF DIE FORGING. EDWARD E. JOHNSON, St. Paul, Minn. Original application filed Feb. 13, 1920, Serial No. 358,449. Divided and this application filed Feb. 27, 1922. Serial No. 539,433. 3 Claims. (Cl. 29—156.)

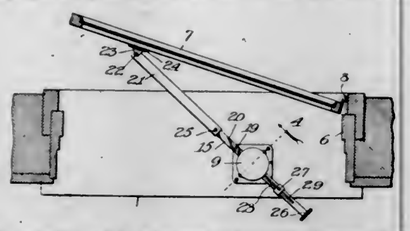


1. The process of die-forging which consists in heating cylindrical tubular blanks and subjecting the end portions of said blanks to radially-directed inward pressure applied at regular intervals around the blank to contract said end portions and give a polygonal exterior shape thereto.

1,504,765. CONTROLLING MECHANISM FOR WINDOWS AND OTHER MOVABLE MEMBERS. ERIC J. JOHNSON, Chicago, Ill. Filed Sept. 21, 1922. Serial No. 589,597. 3 Claims. (Cl. 268—14.)

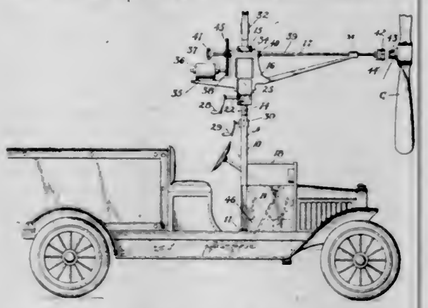
1. In a device of the class described, in combination, a frame having a stop member, a closure pivotally mounted on said frame and impinging against said stop mem-

ber, a rod having a spiral groove of varying pitch, a sleeve, one of said last named elements pivotally mounted on said frame and the second thereof pivotally connected to said closure, a stud rigidly carried by said sleeve and engaging said groove, the portion of the groove of least



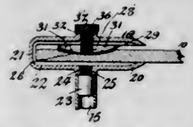
pitch coacting with said stud when the closure engages said stop member whereby to cause firm engagement thereof, means to cause relative rotation between said rod and sleeve, and releasable locking means to prevent reverse rotation of said rod.

1,504,766. STARTING DEVICE FOR AEROPLANES. HARRY KNIFFER, New Auburn, Wis. Filed Mar. 22, 1920. Serial No. 367,910. 12 Claims. (Cl. 244—31.)



1. A starting device for the engines of aeroplanes comprising a wheeled body, a frame carried by the wheeled body, a block slidably and rotatably carried by the frame, means for adjusting the elevation of the block, a starting shaft rotatably carried by the block, an electric motor carried by the block, and means for operatively connecting the motor and the starting shaft.

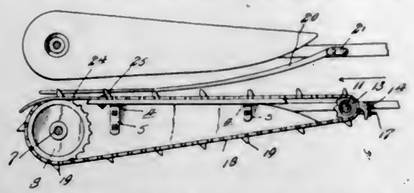
1,504,767. MOUNTING FOR WINDSHIELD WINGS, ETC. WILLIAM LA HODNY, Buffalo, N. Y. Filed Aug. 9, 1922. Serial No. 580,637. 4 Claims. (Cl. 296—84.)



1. A wing provided on its front side with a recess, a U shaped supporting head having a rear jaw engaging the rear side of said wing and a front jaw arranged opposite the recess on the front side of the wing, a U-shaped clip embracing said front jaw, and having a flexible part opposite said recess; and a clamping screw working in said front jaw and adapted to shift the flexible part of said clip into engagement with said recess.

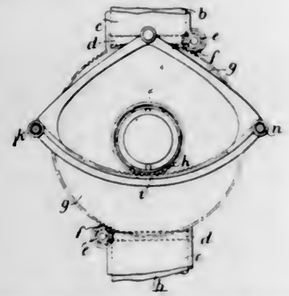
1,504,768. BINDER ATTACHMENT. WILLIAM E. LAMINACK, Blake, Okla. Filed Mar. 22, 1923. Serial No. 626,728. 1 Claim. (Cl. 56—119.)

In a binder attachment, the combination with the upper and lower conveyors, of an auxiliary conveyor interposed between the upper and lower conveyors and arranged centrally of the space between the upper and lower conveyors, whereby the short stalks may be taken care of and choking of the machine eliminated, said conveyor comprising sprockets spaced apart in line with each other, an endless chain travelling over said sprockets, a tine parallel with said chain and cooperating therewith to direct the short stalks into the binding



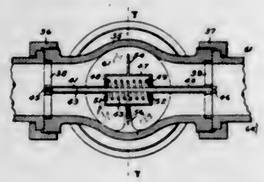
mechanism, a board lying adjacent to the path of movement of the inner run of said chain and cooperating with said chain and tine to assist in the travel of the short stalks, and a guide fastened to said board and surrounding the sprocket wheel at the delivery end of said auxiliary conveyor and comprising a single length of wire bent upon itself between its ends to provide parallel arms.

1,504,769. MECHANISM FOR VARYING THE PITCH OF SCREW PROPELLERS. HENRY LEITNER, London, England. Filed Apr. 21, 1924. Serial No. 708,095. 3 Claims. (Cl. 170—163.)



1. Mechanism for varying the pitch of screw propellers including a propeller hub, a master wheel, a spur-wheel connected to said master wheel, a toothed member in gear with said spur-wheel and pivoted to said propeller hub, and means interposed in the path of said toothed member as it is rotated by the propeller hub to cause said toothed member to rock on its pivot in either direction whereby the propeller blades are rotated around their axes.

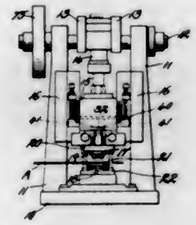
1,504,770. FLOW INDICATOR. WILLIAM H. LIEBER, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Dec. 27, 1919. Serial No. 348,503. 14 Claims. (Cl. 116—117.)



13. In liquid flow indicating mechanism, the combination with a tube having a transparent portion, of a movable indicating vane within said tube and visible through said transparent portion, and means for movably

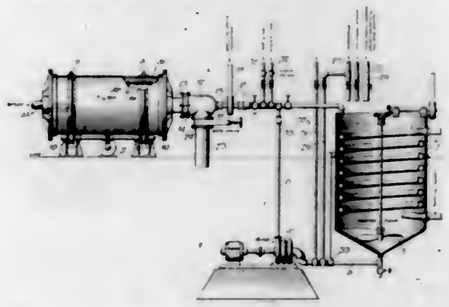
mounting said vane whereby it occupies an operative position intermediate the ends of the tube, said mounting means comprising spaced apart spiders, a rod connecting said spiders, and means supported by said rod for spacing said vane intermediate said spiders, said vane being movable relative to said rod.

1,504,771. FORK DIES. GEORGE P. MALLORY, Philadelphia, Pa., assignor to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed Apr. 11, 1922. Serial No. 551,505. 8 Claims. (Cl. 113—49.)



1. In a machine for forming articles from sheet material, a pair of relatively movable dies having cooperating shaping portions, the shaping portion of one of said dies including a part which is movable with respect to the remainder of said shaping portion, means tending normally to hold said movable part in a retracted or operative position with respect to the other parts of the shaping portion of said die, and means for projecting said part out of operative position, when said dies are separated, to eject said articles.

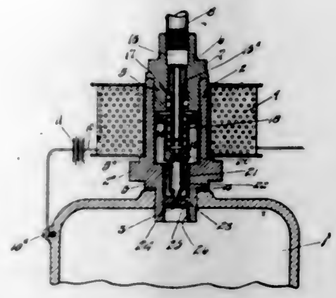
1,504,772. PROCESS OF DECOLORIZING OIL. FRED W. MANNING, Chicago, Ill., assignor to Manning Refining Equipment Corporation, a Corporation of Delaware. Filed Mar. 13, 1920. Serial No. 365,537. 5 Claims. (Cl. 196—147.)



4. The process of purifying hydrocarbon oils which consists of quickly mixing powdered fuller's earth with the oil, then quickly filtering out the earth at high pressure, and then subjecting the earth to successive washes of naphtha, the liquid resulting from a second washing in a prior operation being used as a first washing agent.

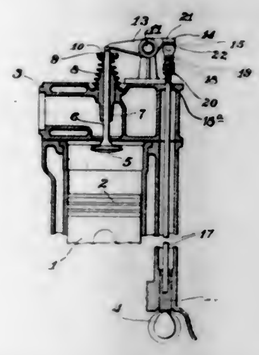
1,504,773. ELECTROMAGNETIC VALVE. SHELDON MARSTON, Bay City, Mich. Filed Mar. 31, 1922. Serial No. 548,556. 7 Claims. (Cl. 137—139.)

1. An electromagnetic valve comprising a core having a chamber formed therein, a plug having threaded engagement with the chamber, a magnet coil surrounding said core, an armature, and a valve stem formed integral therewith, a socket in said armature, an adjustable plug threaded into said first mentioned plug member and ex-



tending into the said socket, a fuel passage through the adjustable plug, a disk removably secured in the core and a fuel discharge opening in the disk.

1,504,774. VALVE OPERATING MECHANISM. CLYDE H. MARTIN, Pittsburgh, Pa., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed July 17, 1923. Serial No. 652,016. 4 Claims. (Cl. 123—90.)

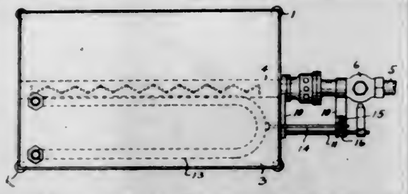


1. In combination in an engine structure provided with an operating cam and a valve, having a stem, normally held closed by means of a spring, of operating means for the stem comprising a lever fulcrumed intermediate its ends and engaging the stem at one end and having at its other end a substantially flat surface, a push rod operated from the cam at one end, means for guiding said push rod in sliding movement parallel to the axis of the engine cylinder, an adjusting member screw threaded on the other end of the push rod and provided with a ball socket, a ball in said socket, free to rotate, but held against lateral movement by the walls of the socket and engaging said flat surface on said lever, and a nut lock for said adjusting member, also threaded on said push rod.

1,504,775. STERILIZER. WALTER G. MILLER, Galveston, Tex. Filed Mar. 31, 1923. Serial No. 629,095. 6 Claims. (Cl. 126—351.)

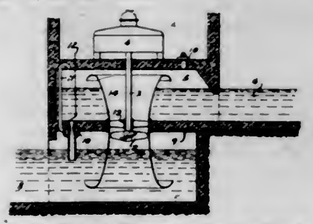
1. A sterilizer including a container, a gas burner associated therewith, a shut off valve controlling the supply of gas to the burner, a mechanism disposed to hold said valve open to admit gas to said burner, and a

looped fluid conduit connected at both ends into said container and having its arms located at unequal distances from the burner, and having a free portion which



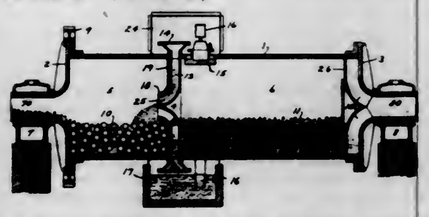
is caused to move by the unequal expansion of said arms to release said mechanism and thereby permit the closing of the valve.

1,504,776. HYDRAULIC MACHINE. FORREST NAGLER, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 8, 1922. Serial No. 550,312. 25 Claims. (Cl. 253—148.)



25. In a hydraulic machine, a rotor having a vertical axis of rotation, means forming a vertical flow decelerating conduit within which said rotor is located, a liquid basin communicating laterally with the lower extremity of said conduit, a liquid basin extending laterally toward the upper extremity of said conduit, and a liquid sealed chamber above the upper of said basins and communicating openly with the upper extremity of said conduit.

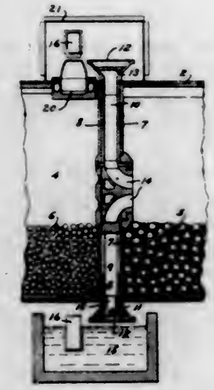
1,504,777. COMMINUTING MILL. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 7, 1921. Serial No. 459,332. 24 Claims. (Cl. 83—9.)



1. In a comminuting mill, a rotary drum, means for introducing material into an end of said drum, and an external scoop movable with said drum to introduce material from an outside source directly into said drum remote from said end, a portion of said scoop extending transversely of the drum axis and substantially parallel to the drum periphery.

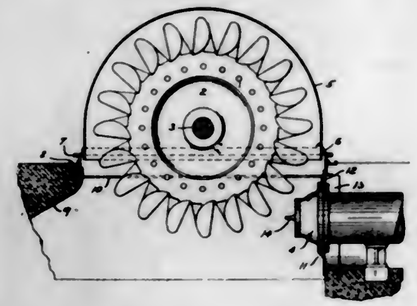
12. In combination, a rotary drum having uniform diameter throughout its length, a partition dividing said drum into a plurality of chambers, comminuting means in each of said chambers, means connected with said partition for delivering reduced material from one of said chambers, a stationary receptacle adapted to receive said reduced material, and means connected with said drum for feeding material from said receptacle into another of said chambers.

1,504,778. COMMINUTING MILL. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Mar. 15, 1923. Serial No. 625,222. 6 Claims. (Cl. 83—9.)



1. In combination, a rotary drum, an annular screen rotatable with said drum and having side walls, and a spreader located within said screen and between said walls, said spreader being formed to direct material delivered from said drum over all portions of said screen.

1,504,779. HYDRAULIC MACHINE. FRED C. PAATSCH, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Nov. 17, 1922. Serial No. 601,456. 11 Claims. (Cl. 253—22.)



1. In combination, a rotor, a cover for said rotor, a structural steel bar of standard cross-section forming a support for said cover, said cover being removable from said support, and a drip catch coacting with an upper portion of said bar.

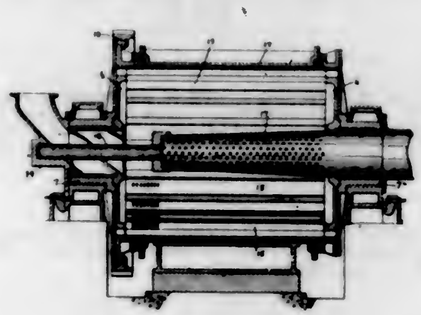
1,504,780. CHECK OR THE LIKE. WILLIAM TALBOT PAYTON, Westmount, Quebec, Canada. Filed Apr. 12, 1923. Serial No. 631,600. 1 Claim. (Cl. 283—12.)

A check or the like comprising a blank ruled crosswise and lengthwise at one end to form a plurality of spaces, a plurality of these spaces bearing a numeral, the remaining spaces bearing the denominations disclosed in said plurality of spaces, the lengthwise lines adjacent the upper edge extending longitudinally and parallelly across said blank, said longitudinal and parallel lines adjacent the upper edge of said blank being divided by a plurality of oblique lines adapted to form a plurality of rhomboid shaped spaces extending through a portion of said lengthwise lines and each of said rhomboid spaces bearing a numeral; and a plurality of longitudinal spaces provided intermediate of said lengthwise lines and bounded at



one end by said rhomboid shaped spaces and at their other end by said crosswise lines, said longitudinal spaces bearing different denominations, substantially as described.

1,504,781. MACHINE FOR PULVERIZING MATERIAL. RALPH E. H. POMEROY, Canton, Ohio. Filed Feb. 27, 1922. Serial No. 539,417. 4 Claims. (Cl. 83—9.)



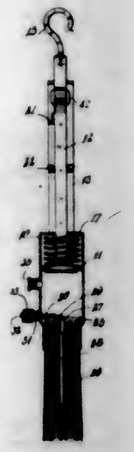
1. An apparatus for pulverizing frangible material having in combination a rotatable shell having perforations in its periphery, a perforated outlet pipe arranged within the shell and having its outlet end outside of the shell, and means for causing currents of air to enter through the peripheral openings in the shell, and to flow out through the perforated pipe.

1,504,782. ART OF PHOTOLITHOGRAPHY. JOHN H. POWRIE, New York, N. Y. Filed Feb. 9, 1921. Serial No. 443,632. 6 Claims. (Cl. 95—5.1.)



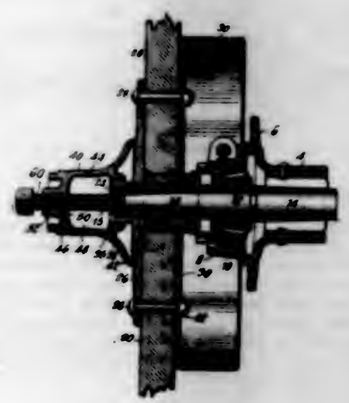
1. The method of correcting the error in the tone scale of a photographically prepared printing element which is introduced by the use of the half tone screen, which consists in preparing separate printing elements each element being made with such a complementary tone error as will offset or neutralize the error of the other in superposed printings so as to produce a final impression having a substantially correct tone scale.

1,504,783. MAGAZINE BRUSH. STEVEN RADIMAK, New York, N. Y., assignor of one-half to David Schiffer, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,113. 2 Claims. (Cl. 15—137.)



1. A brush comprising a casing, bristles projecting therefrom, a follower in said casing, and a spring urging said follower forward, and a spring pressed braking device for retarding the forward movement of said follower.

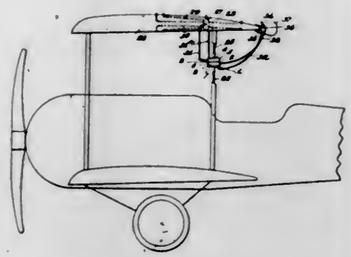
1,504,784. COMBINED WHEEL PULLER AND HUB CAP. JOHN B. RAVIOLO, New York, N. Y., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed Feb. 2, 1922. Serial No. 533,537. 2 Claims. (Cl. 301—108.)



2. A wheel hub extension element normally mounted upon and carried by the wheel, the said element being provided at one end with means for removably securing the same to the wheel and also with a flange surrounding the said securing means, the edge of the flange being adapted to contact with the side of the wheel when in place to simulate an extended hub, said extension ele-

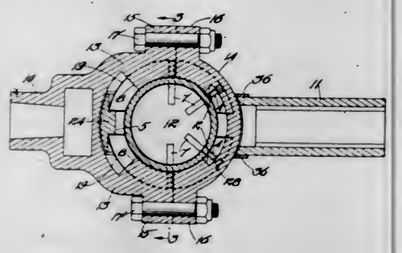
ment also having a bridge portion, said bridge portion being provided with a centrally disposed screwthreaded perforation in line with the wheel axle when the said extension element is in place on the wheel.

1,504,785. METHOD OF AND APPARATUS FOR INDICATING THE ATTITUDE OF AIRCRAFT. JOHN NEWBERRY REYNOLDS, Greenwich, Conn. Filed Dec. 30, 1918, Serial No. 268,871. Renewed Jan. 21, 1924. 41 Claims. (Cl. 244—31.)



1. An indicator for flying machines, comprising an aerofoil, means responsive to air reactions due to that relative movement of the air and aerofoil which produces the necessary lifting forces, there being a conduit communicating with the responsive means and the air, said conduit having an opening in proximity to and facing the top surface of the aerofoil.

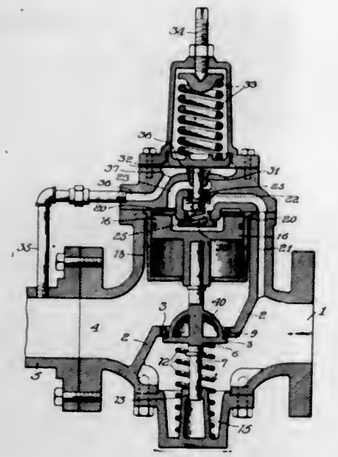
1,504,786. UNIVERSAL JOINT. CARROLL H. RICHARDS, Newton, Mass. Filed June 24, 1920. Serial No. 391,500. 11 Claims. (Cl. 64—102.)



1. A universal joint comprising two coupling members and an intermediate hollow lubricant holder having a curved periphery, each coupling member having sliding engagement with the periphery of said lubricant holder, means by which lubricant is fed from the interior of said holder to the surfaces of the engaging portions of the said coupling members, and covers closely fitting over the joints between the said coupling members and said lubricant holder to prevent escape of lubricant and entrance of dust.

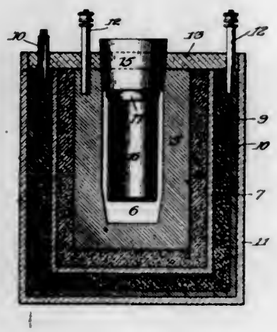
1,504,787. REGULATING VALVE. HARRY J. RICHTER, Wilmette, Ill. Filed Sept. 1, 1920. Serial No. 407,359. 4 Claims. (Cl. 50—11.)

1. A regulating valve comprising, in combination, a valve casing having inlet and outlet chambers and an opening connecting said chambers, a valve seat about said opening, a valve disk coacting with said seat, a projection carried by said disk extending into said opening and substantially filling the same when the valve is closed, said disk so shaped as to require a substantial movement of the valve to allow small quantities of fluid to pass and to increase the effective opening by a rapidly increasing ratio as the valve is opened further, a valve



stem on the valve disk, a piston on the valve stem adapted to operate in a cylinder, a passage leading from the inlet chamber to one end of said cylinder, and a valve in said passage controlled by pressure on the service side of the regulating valve.

1,504,788. PRIMARY BATTERY. HENRY K. SANDELL, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,143. 4 Claims. (Cl. 204—41.)

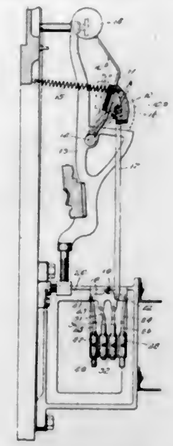


1. In a primary battery, a porous anode body, a cathode surrounding said anode body, a separator between the cathode and anode body, means for supplying an electrolyte between the separator and the cathode and means for supplying an electrolyte within the anode body.

1,504,789. HAMMER-RAIL CONTROL. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1923. Serial No. 641,098. 5 Claims. (Cl. 84—23.)

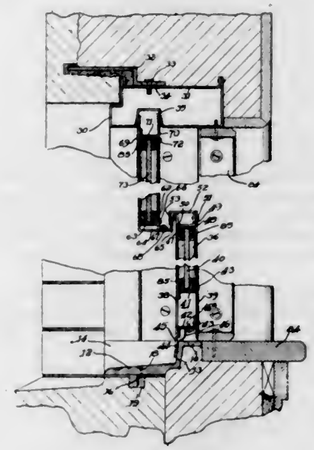
2. In a means for raising and lowering the hammer rail of a player piano, a lever pivotally mounted near its

center, a connection between said lever and hammer rail, and a plurality of solenoids having cores operably con-



nected to said lever for moving said lever to a plurality of positions.

1,504,790. METALLIC WINDOW CONSTRUCTION. THOMAS P. SHEAN, Chicago, Ill., assignor to Shean Steel Window Co., Chicago, Ill. Filed Sept. 24, 1919. Serial No. 325,938. 2 Claims. (Cl. 189—66.)



1. In a window construction, the combination of a jamb member affording a guide channel having a side wall for cooperation with the sash, a rigid guide member adjustably mounted on the jamb member for cooperation with said wall, a movable sash, and a flexible member on said sash arranged for engagement between said wall and adjustable guide member.

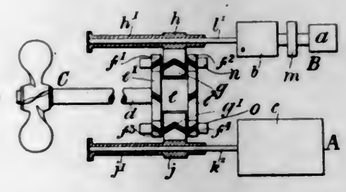
1,504,791. HAIR WAVER. HENRY M. SIEGEL, Malden, Mass. Filed Mar. 18, 1924. Serial No. 699,981. 1 Claim. (Cl. 132—39.)

The improved hair-waving device comprising a pair of opposite arms upon which a lock of hair may be wound in figure 8 fashion, a pair of horns projecting transversely with relation to the direction of extent of the said arms and separated from each other by a deep cleft,



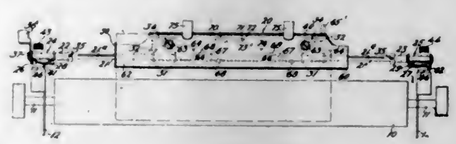
and a stem with retaining hook for securing the end of said lock at the opposite side of the device from the said horns.

1,504,792. TOOTHED TRANSMISSION GEARING. JAMES HENRY SMITH, Belfast, Ireland, assignor to himself, Workman, Clark & Company Limited, and James Wilkie, all of Belfast, Ireland. Filed Apr. 4, 1921. Serial No. 458,495. 11 Claims. (Cl. 74—7.)



1. The method of eliminating vibration of the gear wheels in a power drive embodying reduction gear, which consists in equalizing the periodicities of the free torsional oscillations of all the rotating masses about the reduction gear.

1,504,793. TYPEWRITING MACHINE. JESSIE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 5, 1921. Serial No. 449,754. 12 Claims. (Cl. 197—140.)

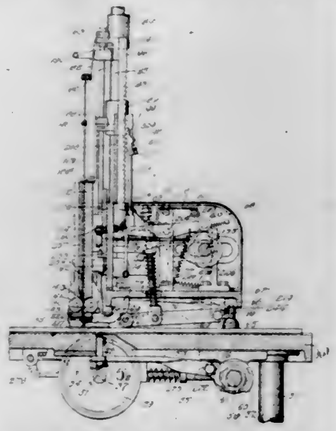


1. In a front-strike typewriting machine, a platen, and means settable for rapidly locating on the platen in succession a plurality of work-sheets having the same depth of heading, comprising a collating table at the delivery side of the platen, a leading-edge gage, and a support for said table shiftable forwardly and rearwardly to vary the distance between the leading-edge gage and the writing line in accordance with the depth of heading on the set of work-sheets to be inserted.

1,504,794. BOARD-FILLING MACHINE. WILLIAM P. STRICKLAND, Chicago, Ill. Filed Oct. 8, 1923. Serial No. 667,348. 37 Claims. (Cl. 226—2.)

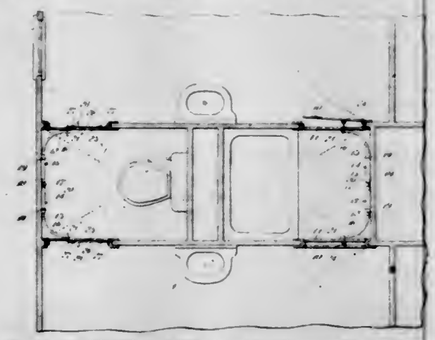
1. In a machine of the character set forth, the combination of a magazine for the strips in folded condition, severing means for cutting the strips into short lengths, means for supporting a board the holes in which are to be charged with the strip sections, a member for receiving portions of the strips, means for advancing the

strips in said magazine and into said member, said member being movable into a position in which the strip sections therein extend substantially at a right angle to



said board and in line with holes therein to be filled, means for actuating said member, and means for discharging the strip sections from said member into the holes aligning therewith.

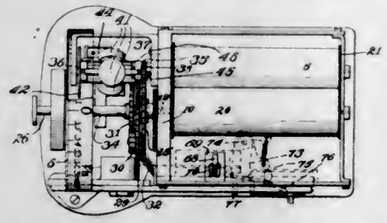
1,504,795. LOCKING MEANS FOR DOORS. HENRY C. TROST, El Paso, Tex. Filed Nov. 25, 1921. Serial No. 517,436. 10 Claims. (Cl. 20—16.)



9. In combination with a pair of oppositely disposed doors leading from opposite rooms into an intermediate compartment, means oscillatably mounted on the adjacent or connecting wall of said compartment intermediate of said doors, said means being adapted to extend transversely of the doors when in locking position and parallel with said adjacent or connecting wall when in unlocking position, and means whereby said first means may be operated and held in door locking position.

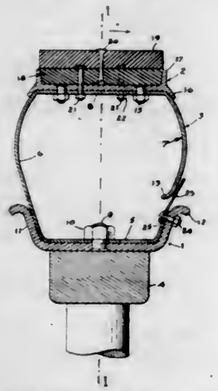
1,504,796. CLOTH-MEASURING AND COST-COMPUTING MACHINE. DOUGLAS TURNER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 26, 1920, Serial No. 354,043. Renewed Mar. 29, 1922. Serial No. 547,908. 14 Claims. (Cl. 33—12.9.)

1. In a cloth measuring and computing machine having a measuring roller, the combination of a price-scale, a chart co-operating with said scale to indicate the total cost of quantities of the measured material, said chart also carrying yard-indicating numbers to indicate the number of full yards measured, a pinion actuated by the measuring roller, a clutch shaft, a gear wheel carried thereby and meshing with the pinion, a second pinion, on the clutch shaft and associated with the gear wheel, a clutch for connecting the gear wheel to the last named pinion for driving the same, a horizontal shaft, a bracket plate supporting the outer end of the shaft, a gear wheel carried thereby and meshing with the last named pinion,



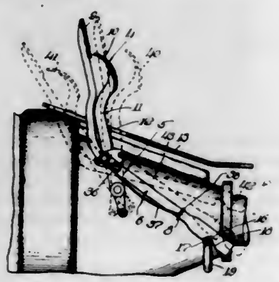
and a number wheel carried by the said shaft adjacent to the bracket plate, and having divisions indicating inches and fractions of a yard.

1,504,797. SPRING TIRE. JOSEPH VAN MOHR, San Francisco, Calif. Filed May 26, 1923. Serial No. 641,626. 5 Claims. (Cl. 152—37.)



1. A vehicle tire comprising an inner rim, an outer rim, a plurality of spring metal sections secured to and interposed between the rims, each of said sections being in substantially circular form and of one piece of material, with the free ends thereof spaced from one another, said sections being arranged with the spaced ends alternating on opposite sides of the rim.

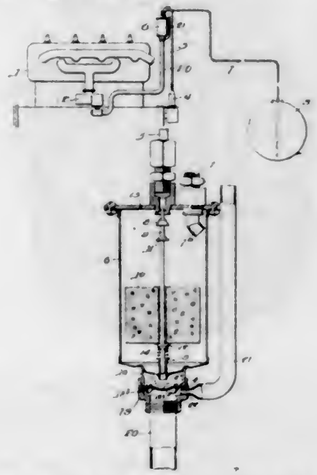
1,504,798. NEUTRAL SAFETY PEDAL ATTACHMENT. CHARLES S. WESTFALL and FRANK S. TABER, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 442,931. 10 Claims. (Cl. 74—81.)



1. In a device of the character described, the combination with a clutch pedal, of a unitary attachment secured to said clutch pedal at a point underneath the floor-board of the motor vehicle, the said attachment having an operating portion extending upwardly behind said clutch pedal and through the standard clutch pedal slot

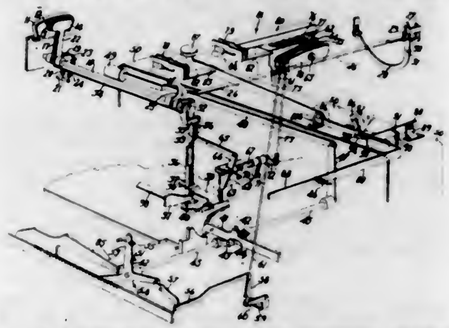
of the floor board, and having means below the floor board to automatically restrain the pedal in neutral position whenever it moves through said position.

1,504,799. VACUUM FEED DEVICE. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 24, 1922. Serial No. 583,952. 1 Claim. (Cl. 103—236.)



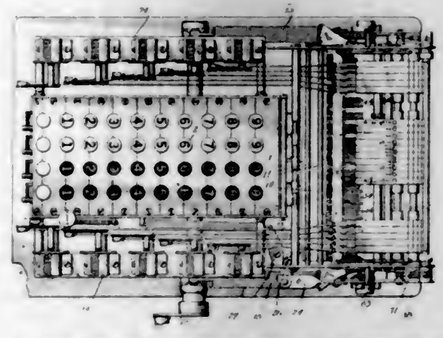
In a vacuum fuel feeding device comprising a vacuum chamber adapted to deliver fuel by gravity through a discharge orifice in the bottom of the chamber, a fitting secured to the bottom of the chamber encompassing said orifice and having a discharge opening substantially larger than said orifice, a pipe reducer fitting screwed onto the first fitting forming a valve chamber below said larger discharge opening, a check valve in said chamber seating upwardly against the first mentioned fitting and a stand pipe connected laterally into said pipe reducing fitting opening into the valve chamber below the valve and extending up alongside the vacuum chamber to a point above the high liquid level thereof, said stand pipe being opened to atmospheric pressure at the top and being of relatively large cross-section to serve as a fuel reserve chamber for discharge by gravity during the suction intervals of operation of the vacuum chamber.

1,504,800. COMBINED TYPEWRITING AND COMPUTING MACHINE. JOHN A. WHERRY, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 7, 1922. Serial No. 573,317. 17 Claims. (Cl. 235—60.)



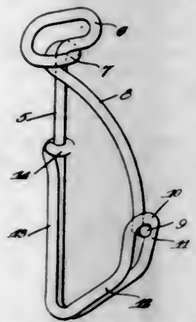
1. In a combined typewriting and computing machine normally set for addition, in combination, a carriage whereby computing zones may be determined, bichrome mechanism normally set for typing in one color, means for setting the machine for subtraction, a train of mechanism actuable by the subtraction-setting means for shifting said bichrome mechanism for printing in a second color, a special key adjacent the keyboard, and special-key-actuated means for disabling said train to free the bichrome mechanism from control by the subtraction-setting means.

1,504,801. PAY-ROLL-COMPUTING MACHINE. SAMUEL B. WHITE, Barrington, R. I. Filed July 29, 1920. Serial No. 399,718. 8 Claims. (Cl. 235—60.)



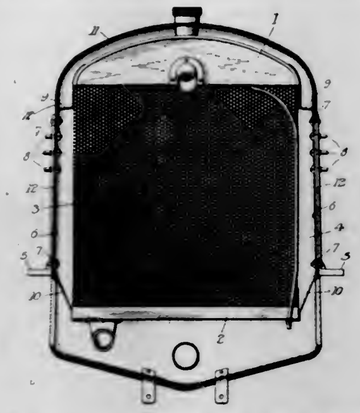
1. In a pay roll computing machine, in combination a bank of keys, a series of registering members corresponding to bills and coins of different value, means for moving the same, intermediate selective devices comprising interengaging banks of plates, the plates of one bank being locked by means under the control of the keys, the plates of the other banks being locked by engagement with the plates of the first bank, means for releasing the plates of said second banks dependent upon the lateral adjustment of the plates of the first named bank, and projections on the plates of the second bank of varying length which afford stops for the registering members when the latter are moved.

1,504,802. SNAP. CLYDE MARION WOLF, Aberdeen, Saskatchewan, Canada. Filed Apr. 12, 1924. Serial No. 706,148. 1 Claim. (Cl. 24—230.5.)



A snap hook including a length of wire material bent intermediate its ends to provide a body portion and a locking arm, a loop portion formed at one end of the body portion, the portion of the length of wire between the free end of the locking arm and loop portion being bent around the body portion adjacent to one end thereof, one end of the body portion being bent at an oblique angle and bent rearwardly, a portion thereof overlying the body portion the free end of the body portion being looped around the body portion at a point intermediate its ends, and said arm having a right angled end portion adapted to cooperate with the portion of the body extending at an oblique angle to secure the locking arm.

1,504,803. RADIATOR SUSPENSION STRUCTURE. FRED M. YOUNG, Racine, Wis. Filed Apr. 16, 1923. Serial No. 632,372. 2 Claims. (Cl. 180—68.)



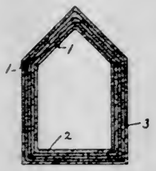
1. The combination of a radiator, a pair of suspension brackets extending vertically at opposite sides of the radiator core and spaced therefrom, the upper and lower ends of said suspension brackets being bowed toward the radiator and attached respectively to the upper and lower tanks of the radiator, and brackets for supporting the radiator on the vehicle frame, said supporting brackets having vertical arms extending along and secured to said suspension brackets intermediate the bowed ends thereof.

1,504,804. TAG. THOMAS ALLATT, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 29, 1923. Serial No. 615,663. 1 Claim. (Cl. 40—25.)



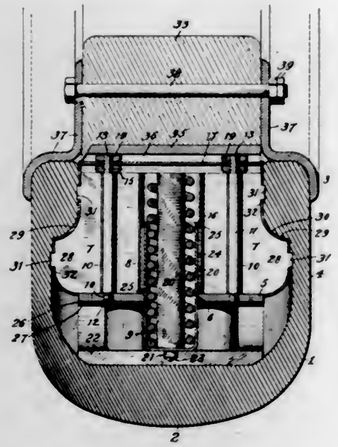
A device of the character described, comprising a tag, a string placed against one of the faces thereof, and a staple driven from the opposite face of the tag through the latter, said staple including two prongs bent against the tag in overlapping positions and clamping said string against said tag, at least one of said prongs passing through said string.

1,504,805. COMPOSITE STRUCTURE. MORRIS BORSODI, New York, N. Y. Filed Dec. 27, 1921. Serial No. 525,137. 2 Claims. (Cl. 154—46.)



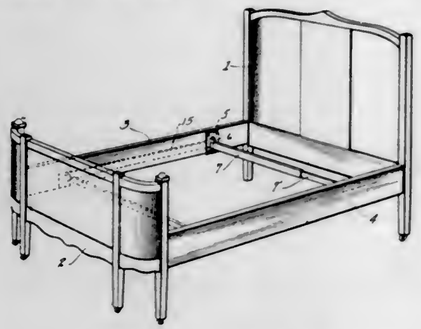
1. In an article of the class described, sheet material of a contour resulting from having been wound on a form and comprising a laminated structure, each two adjacent layers of the sheet material having interposed between them adhesive matter and granular substance and superposed adhesive matter, the latter lying between the granular substance and each layer of sheet material, whereby, when dry, a continuous laminated product of the required thickness and design is formed of great strength and rigidity.

1,504,806. RESILIENT WHEEL. EDWARD J. BRANDT, Watertown, Wis. Filed Mar. 26, 1921. Serial No. 455,710. 37 Claims. (Cl. 152—8.)



1. A tire of the character described comprising a shoe, a multitude of transversely disposed combined pockets and bracing members extending around the shoe therewithin and contacting at their ends with the inner side walls of the shoe, and yieldable plungers in the pockets of said members adapted to bear against the inner face of the tread portion of the shoe, the transverse members being formed and arranged to provide space for the movement of the plungers intermediate of the inner edges of the shoe and said tread portion.

1,504,807. BEDSTEAD CONSTRUCTION. HERBERT BROTHERTON, Jr., and HIRAM S. NETTLETON, Tacoma, Wash. Filed Feb. 26, 1923. Serial No. 621,268. 2 Claims. (Cl. 5—236.)



1. In a bedstead, the combination with the opposite side rails of the bed of plates secured to the inner faces of the rails at opposite sides of the bed having loops pressed therefrom in vertically spaced relation, cross bars extended transversely between the rails, having looped ends disposed between the loops of said plates, and keys extended through said loops to pivotally and detachably secure the ends of the cross bars.

1,504,808. MINER'S TOOL. WILLIAM N. BROWN, Tilden, Ill. Filed Jan. 11, 1923. Serial No. 612,120. 2 Claims. (Cl. 86—21.)

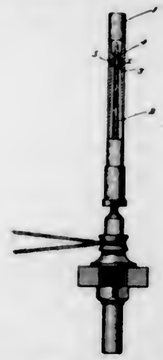
2. A device of the class described comprising a tubular socket; a tamping head mounted in one end of the socket;

tools adapted for interchangeable mounting in the other end of the socket, and means for holding the tools in



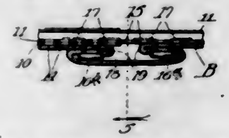
adjusted positions, one at a time, in the socket, one of said tools being movable into and out of engagement with the tamping head to drive the head out of the socket.

1,504,809. BOBBIN. ROBERT BURGESS, Newton Center, Mass., assignor of one-half to Joseph H. Jones, Winthrop, Mass. Filed Mar. 11, 1922. Serial No. 542,834. 8 Claims. (Cl. 242—122.)



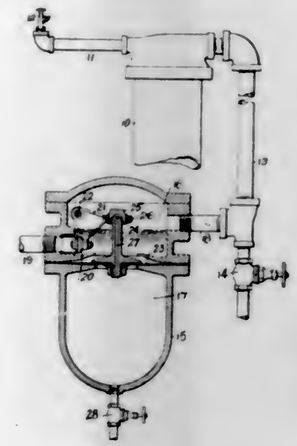
1. A bobbin comprising a body of plastic material, a cylindrical container-shell embedded in said body, and a spindle-blade-engaging cork annulus contained within said container-shell.

1,504,810. CURTAIN ROD. THOMAS F. BYRON, Chicago, Ill. Filed Mar. 19, 1923. Serial No. 626,167. 4 Claims. (Cl. 156—19.)



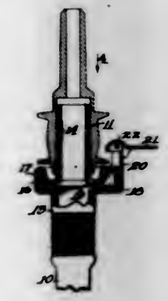
1. A curtain rod consisting of a plurality of rod sections adapted for use in various relatively adjusted positions, each section having a row of holes extending lengthwise thereof, holes of one section being registrable with holes of an adjacent section in each of the said positions, in combination with curtain-piercing pins separable from each section and applicable to selected registering holes of the sections in the said positions to secure the sections together and to support the curtain.

1,504,811. AIR EXHAUSTER FOR DRY-PIPE SYSTEMS. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 10, 1920, Serial No. 402,579. Renewed June 30, 1924. 9 Claims. (Cl. 169—17.)



1. An air exhauster for dry pipe systems comprising an air exhaust chamber, an inlet connection to said chamber from said pipe system, said chamber having also an exhaust opening, a valve for closing said exhaust opening, an air storage chamber, and means to open and close said valve, said valve being opened by excess air pressure in said storage chamber and being closed upon the occurrence of excess air pressure in said exhaust chamber.

1,504,812. BOLSTER CASING. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 9, 1923. Serial No. 618,147. 5 Claims. (Cl. 118—65.)

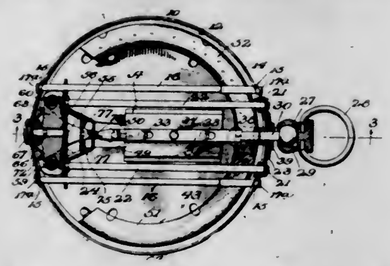


1. As an article of manufacture, a spinning spindle bolster casing comprising a hollow body formed of sheet metal closed at the bottom and open at the top having a cylindrical portion at each extreme end, and a larger intermediate portion between them formed from the sheet metal and having an integral sheet metal oil receiving and conducting enlargement around the casing at the junction of the intermediate portion and the open end portion provided with a radial projection having a passage therein for conducting oil.

1,504,813. PROCESS FOR PRODUCING SULPHURIC ANHYDRIDE AND SULPHURIC ACID. MELVILLE F. COOLBAUGH and JOHN BURNS READ, Golden, Colo., assignors to The Complex Ores Recoveries Company, Denver, Colo., a Corporation of Colorado. Filed May 29, 1922. Serial No. 564,514. 6 Claims. (Cl. 23—1.)

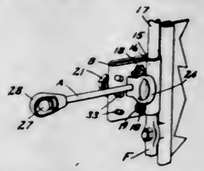
1. A process for sulphuric acid production comprising roasting an iron-sulfur mineral at a temperature below the sintering point of the sulphur mineral to produce the maximum amount of ferric oxide and to liberate sulfur dioxide, advancing the roasted materials and liberated gases concurrently with air in contact with one another to form sulfur trioxide, and producing contact of the sulfur trioxide with water vapor under conditions to form sulphuric acid.

1,504,814. HONING AND STROPPING DEVICE. ERNESTO L. CRESPO, Guatemala City, Guatemala. Filed Apr. 30, 1923. Serial No. 635,704. 7 Claims. (Cl. 51—58.)



7. A razor sharpening device including a pair of spaced apart oscillatable sharpening members, and a blade holder reciprocal between said members having connections therewith for oscillating the members during reciprocation of the blade holder and also having means to tilt a blade held thereby against the said sharpening members.

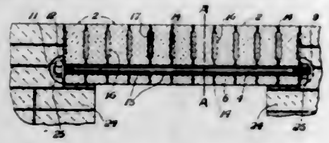
1,504,815. TRAFFIC SIGNAL FOR MOTOR VEHICLES. SHERMAN F. CROY, Long Beach, Calif. Filed Dec. 14, 1921. Serial No. 522,382. 2 Claims. (Cl. 177—329.)



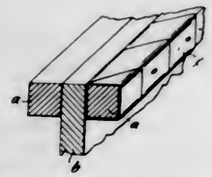
1. A traffic signal for motor vehicles comprising a bracket, an indicating arm rotatably sustained on the bracket, stops for sustaining the arm in any of several indicating positions, means for urging the arm to such a position that when moved it will engage said stops, a handle by means of which said arm can be manually positioned against the action of said urging means so that when moved it will engage said stops, a lamp carried by the arm, a contact on the arm, and a circuit including a source of current and conductors, one of which latter is connected to said lamp and to said contact and the other of which is connected to said source of current, the stops being adapted to be engaged by said contact to effect illumination of said lamp in any of its several indicating positions.

1,504,816. LINTEL AND OTHER STRUCTURE OF REENFORCED BRICKWORK. CLIFFORD L. CUMMINGS, St. Kilda, Melbourne, Victoria, Australia. Filed Oct. 11, 1922. Serial No. 593,848. 9 Claims. (Cl. 72—55.)

1. Improvements relating to lintels and other structures of reenforced brickwork, consisting in a brick having a transverse hole extending therethrough and opening on opposite sides thereof to accommodate a reinforcing rod, said hole having its center located at a point equidistant from the other two side faces and one end of the brick for the purpose specified.

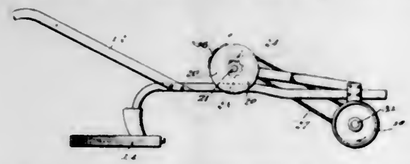


1,504,817. FASTENING THE COVERING OF PLANES OF FLYING MACHINES TO RIBS OR SUCH LIKE. ANTHONY HERMAN GERARD FOKKER, Amsterdam, Netherlands. Filed Dec. 9, 1920. Serial No. 429,557. 4 Claims. (Cl. 244—31.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



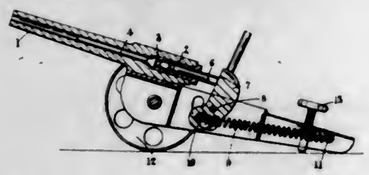
1. In an arrangement of the character described, the combination of longitudinally divided frame members, of fabric insertions between the parts of said members, a covering, and means for securing the covering to the insertion.

1,504,818. POISON DISTRIBUTOR. JACK POPE FULLOVE, Shreveport, La. Filed Aug. 13, 1923. Serial No. 657,037. 4 Claims. (Cl. 299—38.)



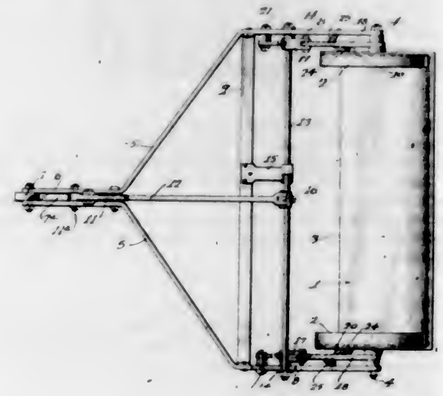
1. A poison distributor comprising a beam, a shaft extending transversely thereof and having its ends provided with drums adapted for containing and applying poison liquid, and means whereby to rotate the drum in the direction opposite the direction of travel of the machine.

1,504,819. TOY CANNON, PISTOL, GUN, AND THE LIKE. CEDRIC HAROLD HANWELL, Northampton, England. Filed Jan. 29, 1923. Serial No. 615,728. 9 Claims. (Cl. 124—12.)



1. In a toy cannon, the combination of a carriage, a barrel mounted on the carriage and having the breech portion of larger bore than the front portion thereof, a removable firing chamber in said breech portion, said firing chamber having a restricted opening at its forward end with ducts intercepting said restricted opening and communicating with said front portion, a pin in the firing chamber, and striking means engaging the pin for igniting a propellant in said firing chamber.

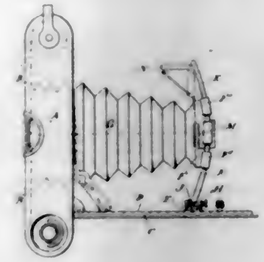
1,504,820. AUTOMATIC ROTARY SCRAPER. ROE C. HAWKINS, Long Beach, Calif. Filed June 7, 1923. Serial No. 643,925. 9 Claims. (Cl. 37—140.)



1. In a rotary scraper, a bowl having one flat side with a cutting edge at the front of the flat side and having solid ends, arcuate shoes connected to the solid ends and forming substantially a circle except at the flat side of the bowl, pivots extending outwardly from the solid ends at the center of the circle of the shoes, a main frame having parallel rear ends attached to said pivots and having converging intermediate portions connected together and having parallel ends extending from the connected portions and attached to a hitch plate, a rock shaft mounted in the rear, parallel portions in front of the rotating scraper, a crank arm fixed upon the center of the rock shaft and extending upwardly, a link connected to the upper end of the crank arm and extending forwardly, a hand lever connected to the forward ends of the frame and to the link so that by operating the hand lever the rock shaft is rotated back and forth, lever arms fixed upon the ends of the rock shaft and extending substantially horizontally and backwardly and having lower cam faces, locking arms pivotally connected to the frame in front of the rock shaft and extending downwardly and backwardly and having notches in their upper faces and at their rear ends, plus fixed in the ends of the rotary scraper and adapted to engage in the notches of the locking arms, springs connecting the locking arms to the frame, and cam faces upon the locking arms to be engaged by the cam faces upon the lever arms carried by the rock shaft so that when the hand lever is pushed backwardly the cams of the lever arms will push the locking arms against the tension of the springs to release the pins from the notches in the locking arms.

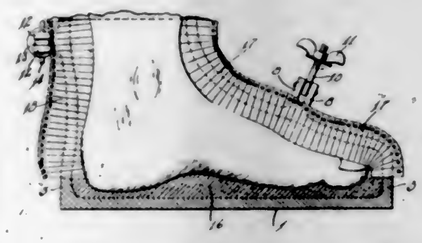
1,504,821. PHOTOGRAPHIC CAMERA. ALBERT HAYWARD, Auckland, New Zealand. Filed Nov. 2, 1921. Serial No. 512,350. 1 Claim. (Cl. 95—51.)

In cameras of the class herein referred to, the combination with a base plate for the lens carrying frame, and with such lens carrying frame, of a block attached to the bottom of the said frame, and a slide extending transversely across the base in which such block is mounted to move to and fro, such slide being curved in an arc extending forwardly and formed on a radius



having as its centre the vertical central line of the camera's exposure opening, substantially, as and for the purposes specified.

1,504,822. MEANS FOR MAKING CASTS. EZRA HESS, Warsaw, Ind. Filed Jan. 18, 1923. Serial No. 613,480. 3 Claims. (Cl. 18—42.)



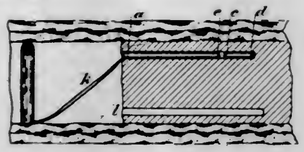
1. A mold making receptacle comprising a dish-shaped bottom portion, a pair of side portions hinged to said bottom portion, a flexible parting strip adapted to enter between the edges of said side portions, and means for clamping the side portions and to conform to the contour of an object in said receptacle together to hold said parting strip in position.

1,504,823. PLUG CONNECTION. ARTHUR H. KLINE, Chicago, Ill. Filed Sept. 24, 1920. Serial No. 412,503. Renewed June 14, 1924. 1 Claim. (Cl. 173—360.)



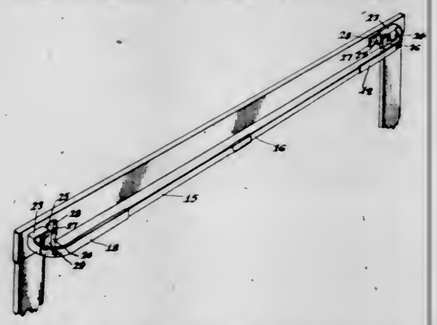
In an electrical connection, a body portion having a pair of lugs adjacent the outer end thereof, a V-shaped terminal plate disposed between said lugs, a movable contact pin provided with a shoulder slidably disposed in alined openings of the side arms of said V-shaped terminal, and a spring disposed between said shoulder and the inner side arm of said V-shaped terminal, whereby the shoulder of said pin normally abuts against the outer side arm of said V-shaped member.

1,504,824. METHOD OF AND MEANS FOR EXTINGUISHING OR SMOTHERING EXPLOSIONS IN MINES. HERMANN KRUSKOPF, Dortmund, Germany. Filed Apr. 30, 1921. Serial No. 465,765. 5 Claims. (Cl. 102—5.)



5. The herein described method of tamping explosive-charge holes, consisting in inserting in such hole following the application of the charge, an independent spacing member adapted to have one end engage the charge, and a self-contained charge of tamping material having a normal diameter less than that of the hole inserted to engage the other end of the member, the member spacing the charge and tamping in a predetermined relation and said material being released under the force of the explosion to eventually completely close the tamped end of the hole.

1,504,825. CURTAIN BRACKET. MADS M. LARSEN, Colton, Calif., assignor of forty-nine per cent to Irwin M. Knopsnyder, Colton, Calif. Filed Aug. 24, 1923. Serial No. 659,140. 5 Claims. (Cl. 156—22.)



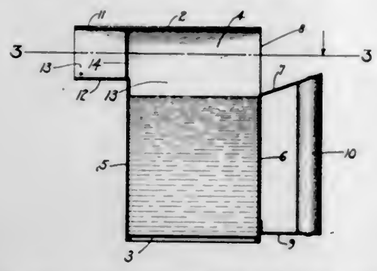
2. A curtain hanger, comprising curved arms extensibly associated with each other, brackets having portions arranged at an angle with respect to each other, and members carried by the arms and arranged at an angle with respect to each other to engage the portions of the brackets for sustaining the arms upon the brackets.

1,504,826. INSERT-CARD FRAME. MADS M. LARSEN, Colton, Calif. Filed Oct. 8, 1923. Serial No. 667,259. 14 Claims. (Cl. 40—148.)



1. In an insert card device, an open front box-like main frame, a back having a light opening, and resilient means for supporting a card near the front thereof while permitting light thereto from the rear.

1,504,827. DISH RINSER. THURSTON MCGILL, Lafayette, Ind. Filed Oct. 7, 1922. Serial No. 593,072. 5 Claims. (Cl. 299—102.)



1. A dish rinser comprising a receptacle having a closed top and bottom, a rear wall and handle thereon, said wall above said handle having a filling opening, and a spout in the front wall of said receptacle opposite said filling opening and extending the full width of the rinser, through which opening the water in said receptacle is delivered straight down upon the articles to be rinsed.

1,504,828. PNEUMATIC BUMPER. WALTER G. MOORE and JOSEPH E. WOOD, Chicago, Ill. Filed July 30, 1923. Serial No. 654,726. 4 Claims. (Cl. 243—55.)



4. A bumper of the type described comprising a pair of bumper bar supporting members substantially loop-shaped in contour adapted to be pivotally mounted at one end upon the spring bolts of a motor vehicle, hingedly mounted plates attached to the opposite end of said loop-shaped members, whereby said plates may be secured by any ordinary securing means to the frame of said vehicle, and parallel bumper bars disposed transversely thereacross.

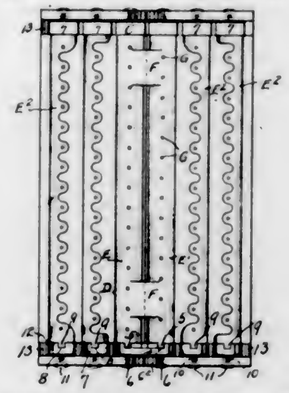
1,504,829. PLASTER. FRANCIS MULLIGAN, Belfast, Ireland. Filed Feb. 6, 1924. Serial No. 691,032. 3 Claims. (Cl. 106—34.)

2. A process of manufacturing cement of the kind described, consisting in first burning raw gypsum in the presence of fuel to a point of clinkering or fusing and maintaining it at this point for a period of 15 hours, after calcination separating the gypsum from the fuel, sprinkling the calcined gypsum with water, and then grinding it into a fine powder and finally adding not more than one per cent of a solid hardening agent to the powder.

1,504,830. COLLAPSIBLE HAIRBRUSH. ALFRED CLAYTON MYERS, Altoona, Pa. Filed Mar. 8, 1922. Serial No. 542,074. 2 Claims. (Cl. 15—203.)

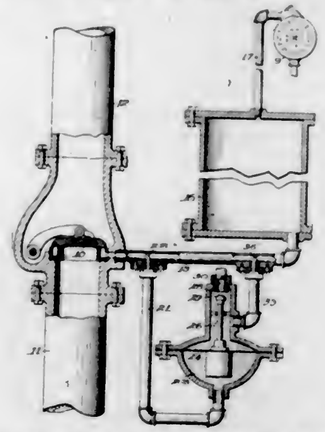
1. A folding brush construction including a pair of box-like casing sections, hinge members for connecting the adjacent sides of said sections, said hinge members each including a pivot axis about which the sections rotate, a duplex brush-carrying bar detachably fitted to said hinge members, gear teeth formed on said hinge members, a plurality of rotatable brush bar carrying

members journaled in the side wall of the casing and each being provided with gear teeth, rack bars slidably guided in each section and meshing with the gear teeth



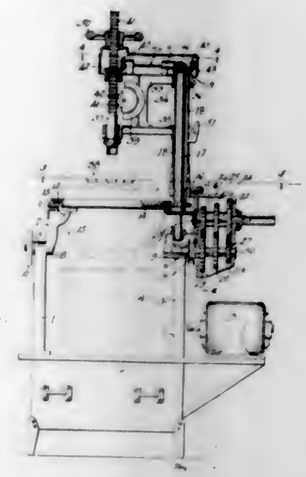
of said hinge members whereby relative movement of the sections on the hinge member will cause the rotation of said journal members, and brush carrying bars carried by said journal members.

1,504,831. AUTOMATIC DEVICE FOR DRAINING VARIABLE-PRESSURE ALARM SYSTEMS. HALFORD W. PARK, Scarsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1921. Serial No. 526,428. 8 Claims. (Cl. 169—23.)



1. In an automatic alarm valve system, the combination with a main alarm valve, a water motor alarm, and a conduit controlled by the alarm valve for conducting water from the riser to the motor when the alarm valve opens, of an upwardly opening port for discharging the water from the system, a valve below it adapted to close the port from below and adapted to open the port by force of gravity, a diaphragm having a chamber behind it, means for conducting water to increase the pressure in said chamber when the water flows to the water motor, whereby said valve is held up in opposition to its weight against the valve seat to close it by the force of the water flowing through the system from the riser to the water motor and whereby when it becomes seated the hydrostatic head of water above it will assist in holding it to its seat, said valve having sufficient weight to cause it to fall away from the seat whenever held only by the hydrostatic head in the system behind said diaphragm.

1,504,832. CULINARY APPARATUS. MARCELLIN PORGET, Detroit, Mich. Filed Nov. 22, 1919. Serial No. 339,783. 4 Claims. (Cl. 259—85.)



1. In apparatus of the character described, a framework comprising a base part and upper part pivoted to swing thereon on a horizontal axis, a rotatable element on the said upper part including a receptacle, rotatable apparatus adapted to be positioned within or withdrawn from the said rotatable element, and means for rotating the said element and apparatus including a driving shaft, the longitudinal axis of which is in alignment with the turning axis of the upper frame.

1,504,833. TIP FOR BILLIARD CUES. THOMAS H. PROSSER, Tatura, Victoria, Australia. Filed Sept. 12, 1922. Serial No. 587,751. 9 Claims. (Cl. 46—9.)

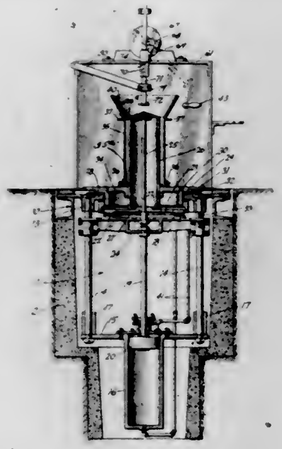


1. An improved tip for billiard cues comprising in combination an inner disc having a central elongated opening therein, an intermediate disc secured to the outer face of said inner disc and having two spaced elongated openings or incisions, a fastening tongue projecting from said inner disc and having its root portion passing through said openings of the inner and intermediate discs and extending sidewardly between the two latter discs and an outer disc secured to the outer face of said intermediate disc substantially as described.

1,504,834. CONCRETE-PIPE MACHINE. EMSLEY ROBBINS, Upland, Calif. Filed Nov. 9, 1921. Serial No. 513,919. 9 Claims. (Cl. 25—37.)

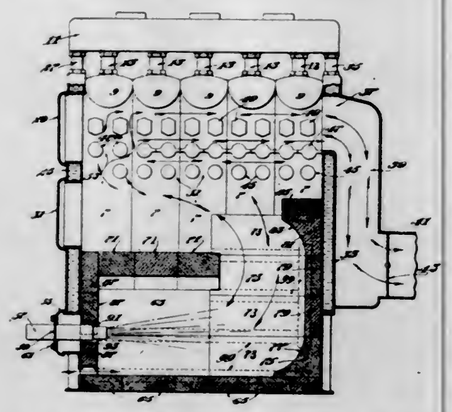
1. In a concrete pipe forming machine, a rotatively mounted support, a cylinder removably positioned upon said support, a support arranged for movements beneath the first mentioned support, a core removably positioned on the lower support and extending upwardly

through the upper support and through the cylinder positioned thereon, a lip rigidly mounted at the upper end of the cylinder and extending downwardly against the



outer end of the core to form an outside rabbet, and a ring fitting inside of the lower end of the cylinder to form an inside rabbet.

1,504,835. FURNACE. JOHN T. MCTARNAHAN, Boston, Mass., assignor to Ralph H. Cahouet, trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, bankrupt, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1921. Serial No. 523,857. 2 Claims. (Cl. 158—1.)



2. In a furnace, a combustion chamber of substantial length comprising side walls, a crown and end walls, one of the end walls being spaced a substantial distance from one end of the crown to leave an outlet, said side walls and crown being formed of solid, thick blocks of ceramic material specially formed to determine the shape and size of the combustion chamber, certain of said side wall blocks being formed to provide abutments for supporting the crown blocks, the side wall and crown blocks having opposed horizontal grooves therein, metallic uniting elements in said grooves, said elements and grooves being formed for interlocking engagement, thereby to secure the blocks in assembled relation; and a fuel oil burner entered through one of the end walls for projecting its flame through the combustion chamber toward the opposite end wall, that the gases of combustion may be deflected by the latter up through the outlet; the side walls and crown of the combustion chamber being closely related in respect to the burner so as to be highly heated by the flame and store up heat to be radiated back into the combustion chamber and promote combustion of the fuel oil.

1,504,836. GLOVE. BELDEN REHN, Miles City, Mont. Filed Nov. 6, 1923. Serial No. 673,100. 3 Claims. (Cl. 2—160.)

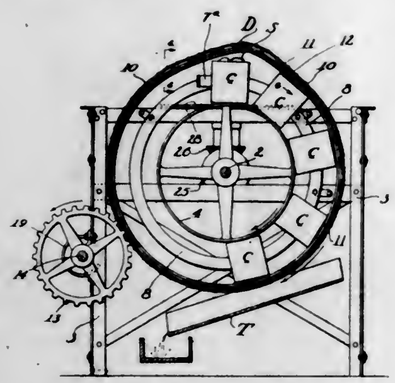


1. In combination, a glove, a strap connected at one end of said glove, a key connected to the free end of the strap, and means on the glove for holding the key in an out-of-the-way position when not in use.

1,504,837. FUEL FOR USE IN INTERNAL-COMBUSTION ENGINES. HARRY RALPH RICARDO, London, England. Filed Mar. 24, 1922. Serial No. 546,445. 4 Claims. (Cl. 44— 9.)

1. A composition constituting a liquid fuel for use in an internal combustion engine comprising benzol, acetone in amount not less than that of the benzol, and water the total proportion of water being not less than 8% by weight of the composition.

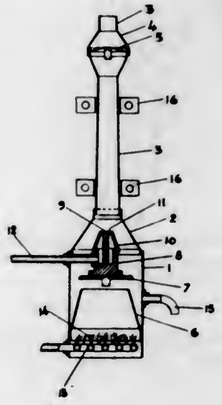
1,504,838. CAN-DRAINING MACHINE. ERNEST W. RICKARD, Hemet, Calif. Filed June 21, 1923. Serial No. 646,831. 9 Claims. (Cl. 226—22.)



1. In a machine for draining containers, a central, rotatable wheel onto the periphery of which the containers are adapted to be positioned, means for guiding the containers to and from the face of the wheel, and a rotary, substantially circular device concentrically spaced about the face of said wheel and adapted to engage the outer ends of the containers positioned on the wheel and carry the same around on and with the wheel, said device being without direct connection with the wheel.

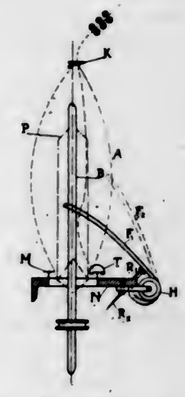
2. A machine for draining containers by moving the containers through an orbit, said machine comprising means for moving the containers through a substantially circular orbit in which the containers are inverted, and means for feeding the containers to and leading the containers from the inverting means, said container-moving means including concentrically spaced rotary devices.

1,504,839. APPARATUS FOR HEATING OF WATER. OSSIAN ALBERT RINGNOM, Helsinki, Finland. Filed June 25, 1923. Serial No. 647,712. 1 Claim. (Cl. 126—359.)



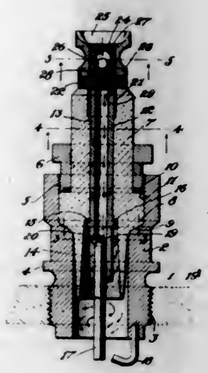
In a water heater, a comparatively wide lower vertical casing, a comparatively narrow upper casing, a conical portion connecting said parts, a burner in the lower portion of the lower casing, a water supply in the upper portion of said lower casing, an outlet for said water supply arranged within the lower casing and adapted to deliver the water into the upper casing to create a forced draft, a baffle located within the upper casing remote from the lower casing to deflect the water while permitting the passage of the products of combustion.

1,504,840. ANTIBALLOON DEVICE. JOSEPH AUGUSTE ROUGE, St. Etienne-les-Remiremont, France. Filed Oct. 6, 1922. Serial No. 592,864. 5 Claims. (Cl. 118—11.)



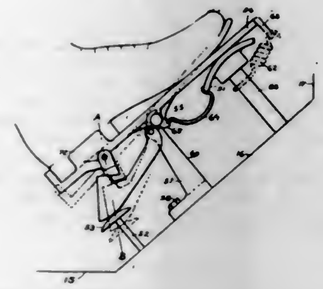
1. The combination with a ring spinning or twisting device, of an anti-bulging element mounted for swinging movement under the action of the ballooning thread, and normally held by gravity in position to prevent thread bulging during operation of the device.

1,504,841. SPARK PLUG. LAMBERT SCHMIDT, Brooklyn, N. Y. Filed Sept. 14, 1921. Serial No. 500,604. 2 Claims. (Cl. 123—169.)



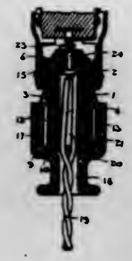
1. A spark plug comprising a casing, an insulating core secured in said casing provided with an internal shoulder, an electrode mounted in the core and having a flange to engage upon said shoulder, said electrode including a tubular portion having an externally threaded end projecting beyond the core, retaining means threaded thereon, the other end of the core being provided with a petticoat having its inner surface spaced from the electrode, the wall of said tubular portion of the electrode having a series of tangentially disposed ports therein, means within the tubular electrode adjacent to said ports to direct air outwardly and downwardly therethrough against the wall of said petticoat in a series of spiralling streams and an air controlling valve mounted in the upper end of said electrode.

1,504,842. CONTROLLING-PEDAL MECHANISM. WILLARD T. SEARS, Montclair, N. J.; Mabel Helena Sears executrix of said Willard T. Sears, deceased. Filed Feb. 2, 1921. Serial No. 441,796. 10 Claims. (Cl. 74—81.)



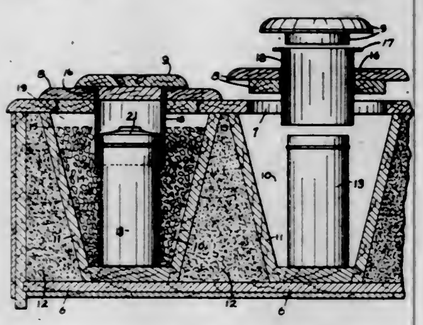
1. In apparatus of the class described, the combination of a pedal and a fixed support for said pedal, said pedal having a pivotal motion about one part of said support and a bodily sliding motion along said support; a controlling device operated by the pivotal motion of said pedal, and another controlling device operated by the sliding motion of said pedal.

1,504,843. ELECTRICAL PLUG CONNECTER. WILLIAM E. SHORE, New York, N. Y. Filed Apr. 4, 1921. Serial No. 458,387. 4 Claims. (Cl. 173—360.)



1. In an electric plug connector, comprising a central insulating member having longitudinal grooves in the periphery, a plurality of spring fingers normally resting in said grooves and having thread corrugations, and means external to the central insulating member slidable longitudinally in said grooves adapted to engage in sliding contact with said spring fingers to lock said fingers in engagement with the threaded socket.

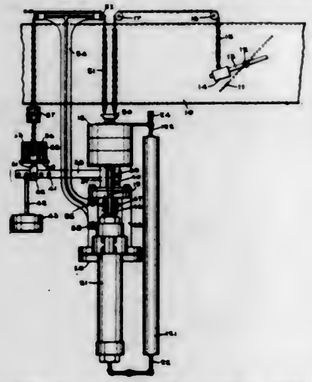
1,504,844. ICE-CREAM CABINET. RICHIE H. STERNE, Seattle, Wash., assignor to Patton Wooden Ware Co. Inc., Seattle, Wash., a Corporation of Washington. Filed July 5, 1923. Serial No. 649,735. 2 Claims. (Cl. 217—7.)



1. An ice cream cabinet embodying an ice cream container; a heat insulated refrigerating compartment relatively larger than said ice cream container; an annular cover rim; a cover to fit said rim; and a sleeve suspended from said cover rim and enclosing and extending below the upper portion of said ice cream container and level of the salted ice, whereby upon removal of said cover only that portion of the refrigerating compartment disposed immediately above the ice cream container is exposed to the temperature of the atmosphere of the surrounding room, whereby salted ice may be packed about said ice cream container.

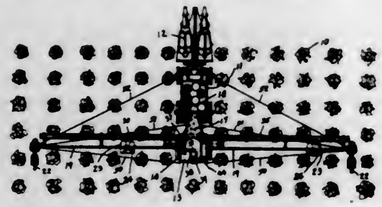
1,504,845. AUXILIARY FLUID-PRESSURE CONTROL. COLE STICKLE, Indianapolis, Ind. Filed July 29, 1922. Serial No. 578,359. 3 Claims. (Cl. 236—85.)

1. Auxiliary fluid pressure mechanism, for steam boilers; including a weight, a cylinder, a piston and piston rod therein for elevating the waight, a replacement tank for supplying fluid under pressure to said cylinder and having a slight leak, a pipe for supplying fluid under pressure to said replacement tank, a valve for controlling fluid under pressure to said pipe, means actuated by the steam from the boiler for opening said valve, yielding means for closing said valve, and weighted means flexibly connected with said weight and tending to elevate the



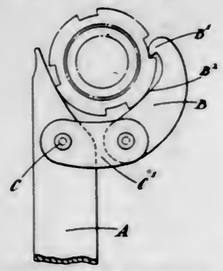
same and in position to engage said yielding means when said weight is near its upward limit of movement to aid in closing said valve.

1,504,846. TOMATO HARVESTER. ELVAN Y. TARKINGTON, Indianapolis, Ind. Filed Dec. 30, 1922. Serial No. 609,920. 5 Claims. (Cl. 214—83.)



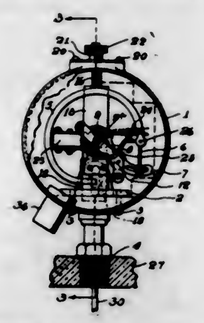
1. A harvester attachment of the class described, comprising a vehicle, a laterally extending supporting beam supported at one end upon said vehicle, means for supporting the opposite end of said beam independently of said vehicle, and a movable seat suspended from said beam in position to be moved back and forth from one end to the other whereby said seat may cover an appreciable extent of ground while said vehicle remains stationary.

1,504,847. C SPANNER OR WRENCH FOR SLOTTED NUTS OR PARTS. NICHOLAS SPENCER TARR, Cheltenham, England. Filed Oct. 31, 1922. Serial No. 598,179. 2 Claims. (Cl. 81—90.)



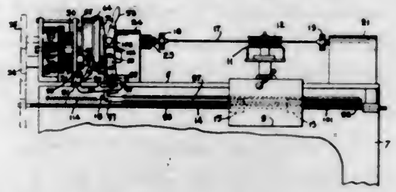
1. A C-spanner or wrench for slotted nuts or parts, comprising a handle, a stationary jaw formed in one piece with the said handle and having a concaved inner face, and a movable jaw, a link connecting said movable jaw to said handle, said movable jaw extending in an opposite direction to the stationary jaw and having a concaved inner face and a terminal hook or claw, whereby the wrench is caused to bear on at least three parts of a nut during operation.

1,504,848. THERMOSTATIC CONTROL MEANS. ERNEST TROVA, St. Louis, Mo. Filed July 17, 1922. Serial No. 575,454. 2 Claims. (Cl. 236—94.)



1. A heat regulating device comprising in combination with the heating element of the heating chamber, a removable cover plate for the heating chamber supporting the heating element from the inner side thereof, a casing supported by and above the outer side of the cover plate, a heat responsive element in said casing extending through the cover plate and downwardly at a distance from one side of and laterally below the heating element, a switch for the electric heating circuit in said casing, and a connection in said casing for actuating said switch operated by said heat responsive element.

1,504,849. COIL-WINDING MACHINE. JAMES BRYANT WHITMORE and JOHN EBLING FERGUSON, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 22, 1921. Serial No. 524,061. 39 Claims. (Cl. 153—67.)



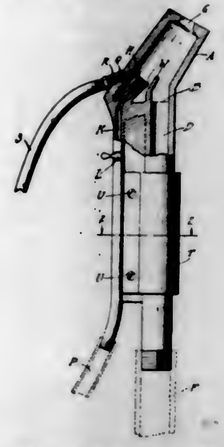
1. A machine for producing incandescent electric lamp filament, which comprises means for winding a filament wire in a given direction to produce a coil and means for automatically adjusting said machine to wind said wire in a reverse direction to produce a reversely wound coil.

1,504,850. METHOD OF TREATING GALAX LEAVES. TRUMON N. WOODRUFF, Lowgap, N. C. Filed May 14, 1923. Serial No. 639,021. 12 Claims. (Cl. 99—8.)

8. The method of preserving galax leaves consisting of soaking the leaves for approximately seven days in a solution containing calcium chloride, slaked lime and glycerine having a specific gravity of substantially 95°.

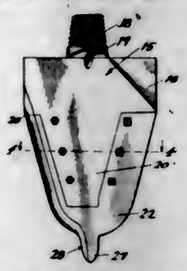
12. A preservative compound for foliage used for decorative purposes comprising water six hundred gallons, calcium chloride one thousand eight hundred and seventy-five pounds, slaked lime ten pounds, and glycerine one half pound.

1,504,851. DEVICE FOR WASHING VEHICLES. JOHN J. WREN, Chicago, Ill. Filed May 24, 1923. Serial No. 641,267. 1 Claim. (Cl. 299—140.)



A device for washing cars, comprising a casting having a mixing chamber with an outlet nozzle, said casting having a water inlet and an air inlet to said chamber, the end of the air inlet comprising a pipe that is disposed within said chamber and bent so as to direct the stream of air toward the water that is being conveyed into the chamber from the water inlet, the inner end of the water inlet comprising a partition separating the rear portion of the mixing chamber from the water inlet and disposed adjacent to the air pipe, a fluid inlet disposed adjacent to said pipe, and in converging relation thereto whereby the air flowing from said pipe will entrain the fluid from said fluid inlet, and a valve for controlling the flow of air through said air inlet.

1,504,852. ROTARY DRILL BIT. WILSON W. WRIGHT, Downey, Calif. Filed Aug. 19, 1922. Serial No. 582,877. 10 Claims. (Cl. 255—61.)

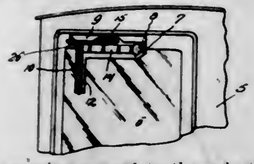


1. A drill bit comprising a V-shaped body, a blade including divergent arms having cutting edges, said body being received between said arms, and means extending through the arms and body for securing the blade to the body.

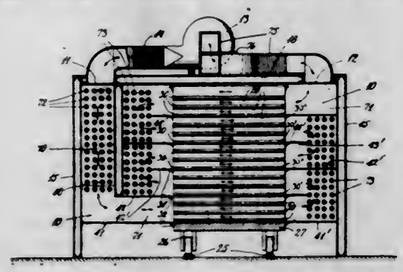
1,504,853. DIRECTION SIGNAL. MAX ZIEHLKE and ANTHONY J. LEUWER, Linton, N. Dak. Filed Feb. 25, 1924. Serial No. 695,072. 2 Claims. (Cl. 116—52.)

1. A direction signal comprising a member adapted for attachment to the upper end and outer side of a closed car door, a pendant extension formed upon the forward end of said member, and being formed with a lateral lug at its lower end, a rod journalled between said lug and said first mentioned member, an indicating pointer carried by said rod, means for maintaining said pointer

normally beside said member, means upon the inner side of said car door whereby said member may be forced outwardly to an indicating position, said means comprising a flexible member secured to the rod at one end and extending through an opening in said car door, and a handle pivoted to the inner side of said door to which the opposite end of said table is attached.

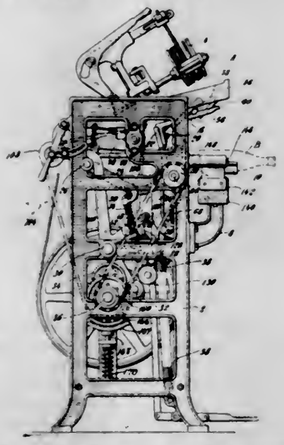


1,504,854. DRIER. DAVID S. BAKER, Greenwich, Conn., assignor to National Evaporator Corporation, Providence, R. I., a Corporation of Nevada. Filed Mar. 1, 1922. Serial No. 540,196. 19 Claims. (Cl. 34—39.)



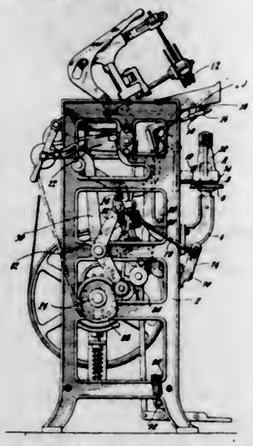
2. In a drier, the combination of means providing a continuous flow circuit comprising a straight descending portion, a tortuous ascending portion located at the side of said descending portion and a portion connecting the upper ends of said straight and tortuous portions; a blower in said connecting portion adapted to cause a circulation of drying medium through the flow circuit, a preheater in said straight portion, and re-heaters and material supports arranged alternately in said tortuous portion.

1,504,855. LABELING MACHINE. FRITZ BECKER, Long Island City, N. Y., assignor to National Labeling Machine Company. Filed May 17, 1922. Serial No. 561,588. 4 Claims. (Cl. 216—54.)



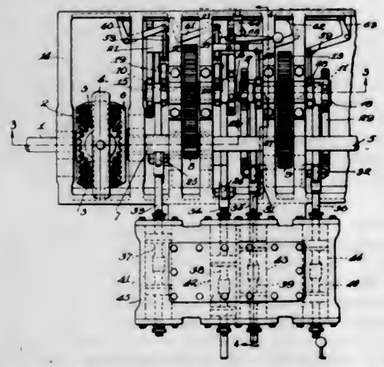
1. In a labeling machine, pivotally mounted carrier arms to position a label upon the article to be labeled, a presser foot pivotally supported for movement in a plane parallel with the label carrying arms about an axis disposed in parallel relation to the axis of said label carrying arms, said presser foot adapted to engage the intermediate portion of the label and hold the same upon the article during a reverse movement of said arms to disengage the same from the label, a power shaft, spaced cams fixed on said shaft, operating means for the label carrying arms actuated by one of said cams, and operating means for the presser foot actuated by the other of said cams, said latter means including a resiliently yieldable connection permitting of the engagement of the presser foot with articles of different sizes.

1,504,856. LABELING MACHINE. FRITZ BECKER, Long Island City, N. Y., assignor to National Labeling Machine Company. Filed May 17, 1922. Serial No. 561,589. 5 Claims. (Cl. 216—14.)



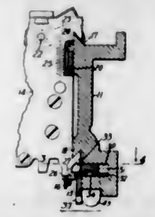
1. In a labeling machine, an article support, rock shafts arranged at each side of said support, an angular arm fixed to each of the rock shafts, a locally yieldable label clamping member secured to one end of each of said arms, and cam actuated mechanism operatively connected to the rock shafts and including an adjustable connection for regulating the extent of rocking movement of said shafts.

1,504,857. VARIABLE-SPEED TRANSMISSION. LUCIAN H. BEEBE, New London, Conn. Filed Nov. 23, 1921. Serial No. 517,202. 12 Claims. (Cl. 74—34.)



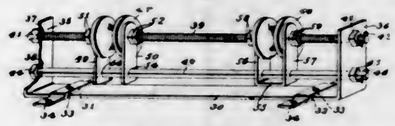
1. Apparatus of the character described, comprising a member adapted to be rotated at approximately constant speed, a plurality of elements in axial alinement with the member and adapted to be rotated thereby, a shaft, connections between the shaft and one of the elements whereby said shaft may be rotated by the element, a second shaft, connections between said second shaft and another of the elements whereby said second shaft may be rotated by said other element, and means for varying the speed of rotation of the shafts whereby relative rotation of the elements may be established.

1,504,858. CALCULATING MACHINE. ROBERT G. C. BOA, New York, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed June 22, 1921. Serial No. 479,580. 14 Claims. (Cl. 235—59.)



1. In a calculating machine, the combination of a supporting bar, a totalizer mounted on and adjustable along said bar, a locking bar extending lengthwise of said supporting bar and having a series of notches for locking said totalizer in its several adjustments, and means for moving said locking bar transvesrely into and out of engagement with said totalizer.

1,504,859. ADJUSTABLE SECONDARY RACK. WILLIAM P. BRADY, New Britain, Conn. Filed Sept. 22, 1923. Serial No. 664,219. 1 Claim. (Cl. 173—321.)



In a secondary rack, a U-shaped supporting member having a base and a pair of upstanding arms, a pair of cross rods mounted in said arms, a plurality of insulators mounted on one of said rods, and means rigidly connecting said rods at a point between said arms for reinforcing the rod carrying said insulators, and means for locking said insulators in any desired position.

1,504,860. PRODUCTION OF BRIQUETTES. WALTER BROADBRIDGE, EDWIN EDSER, and WILLIAM WARWICK STENNING, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed Aug. 17, 1920. Serial No. 404,106. 61 Claims. (Cl. 44—19.)

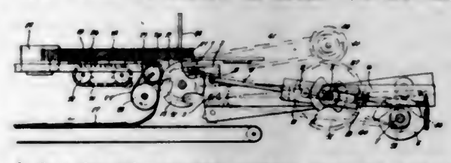
1. A process of making briquettes which consists in suspending suitably divided solids in water so as to form a freely flowing pulp and subjecting the pulp to agitation with a binding medium having an affinity for solid particles so as to coat them with binding medium and agglomerate them, and separatig the resulting agglomerates from pulp liquid and forming the same into briquettes.

61. A process of making briquettes of purified material from impure material which consists in subjecting the impure material in suitably divided condition to concentration by froth flotation, whereby selected particles are separated from impurities, agitating the selected particles in a freely flowing pulp with a binding medium having an affinity for the selected particles in amount sufficient to cause the particles to agglomerate but insufficient to flow on the surface of the particles after coating the same, so as to coat such particles with a binding medium and agglomerate them, and separating the resulting agglomerates from pulp liquid and forming the same into briquettes.

1,504,861. PRODUCTION OF BRIQUETTES. WALTER BROADBRIDGE, EDWIN EDSER, and WILLIAM WARWICK STENNING, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Original application filed Aug. 17, 1920, Serial No. 404,106. Divided and this application filed May 17, 1923. Serial No. 639,695. 12 Claims. (Cl. 44—10.)

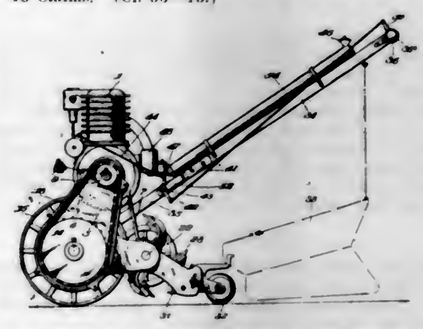
1. A process of making briquettes of purified material from impure material which consists in subjecting the impure material in a suitably divided condition to flotation separation, with the addition of material acting as frothing agent and binding medium and with a flocculating agent whereby selected particles become coated, flocculated and floated in the form of agglomerates supported by bubbles, while impurities are not so floated, collecting and draining the float, and forming briquettes from the coated particles.

1,504,862. FOUNTAIN GUMMING MACHINE. HERBERT CHARLES BROOKS, London, England. Filed Feb. 21, 1923. Serial No. 620,449. 18 Claims. (Cl. 271—29.)



1. In a fountain gumming machine, means for separating the bottom blank from a pile of blanks supported on the machine, comprising a sucker and actuating means causing the sucker to move upwardly to engage the leading edge of a bottom blank of a pile of blanks, then forwardly to separate the blank and immediately expose the next bottom blank, and then downwardly so as to pull down the blank and then rearwardly to move clear of the said leading edge of the separate blank, thereon immediately returning to engage the succeeding bottom blank, so that a plurality of blanks may be moving simultaneously from under the pile of blanks.

1,504,863. LAWN MOWER. ALLEN W. BROWN, St. Louis, Mo., assignor of one-half to Frank E. McMillin, Chevy Chase, Md. Filed Oct. 21, 1919. Serial No. 332,216. 15 Claims. (Cl. 56—16.)



1. A motor lawn mower, including a lawn mower having supporting wheels and provided with cutting mechanism, an internal combustion engine carried by the lawn mower, driving gearing connecting the internal combustion engine with the cutting mechanism for actuat-

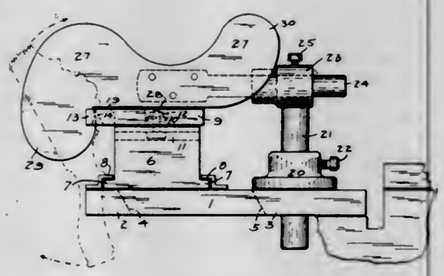
ing the latter, starting mechanism comprising engine cranking gearing connecting the internal combustion engine with one of the supporting wheels, and an automatic clutch device in the latter gearing having means arranged to transmit motion from the supporting wheel of the lawn mower to the engine and to automatically unclutch the said wheel from the engine when the speed of the latter exceeds the speed of the supporting wheel, whereby the engine may be started by pushing the lawn mower and when started will automatically operate only the cutting mechanism without manual operation of the clutch.

1,504,864. NOZZLE. GUADALUPE BUELNA and HENRI EUGENE JEREMIE VACHER, Santa Barbara, Calif. Filed Oct. 29, 1923. Serial No. 671,338. 3 Claims. (Cl. 299—115.)



1. A spray nozzle for water sprinklers comprising a body threaded for attachment to a source of water supply, and having a tapering bore and a contiguous cylindrical bore, said cylindrical bore having a plurality of equally spaced substantially spiral grooves extending inwardly from the end of said nozzle and terminating in the upper part of said tapering bore.

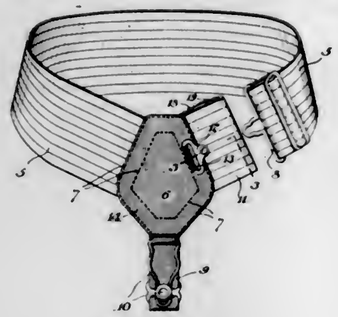
1,504,865. SCROLL-SANDING MACHINE. EMIL F. BUTTS, Tacoma, Wash., assignor of one-half to Edwin Gregory, Tacoma, Wash. Filed Jan. 25, 1923. Serial No. 614,888. 6 Claims. (Cl. 51—141.)



1. In a scroll sanding machine, the combination of a traveling sand belt, having its abrasive surface upward; a work table whereon said belt travels, said table being notched in its front and rear edges to permit the portions of the scroll piece not being sanded to swing beyond the plane of the sand belt and thus permit the portion being sanded to be rolled on the said sand belt; and a work brace board supported over the traveling sand belt and adapted to brace and to guide the scroll piece held thereagainst and pressed on the sand belt.

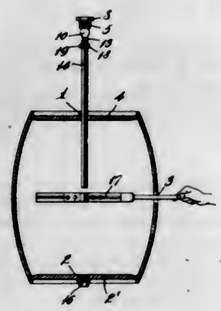
1,504,866. GARTER. TILLMAN CAHN, Elkins Park, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Nov. 3, 1922. Serial No. 598,722. 1 Claim. (Cl. 241—6.)

In a wide web garter, the combination of a leg band, a connecting pad having its vertical extension greater than its horizontal extension and formed of a plurality of pairs of layers of fabric, each pair of layers folded together at their margins, the leg band secured to one side margin of the pad, and having at its free end a cast-off element, a tab formed of folded webbing having its two ends inserted between the said pairs of folded layers at the other side margin of the pad, with lines



of stitching securing said webbing ends and said layers together, and a cast-off element secured to the pad near its last mentioned side margin by stitching passing through said pairs of layers and their folded-in portions and said webbing ends.

1,504,867. PAINT MIXER. EDSEN L. CANNON, Cleveland Heights, Ohio, assignor to The Erie Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 6, 1921. Serial No. 435,423. 7 Claims. (Cl. 254—134.)



1. An agitator comprising a plug adapted to be secured in the wall of a container, a socket member carried upon the inner end of said plug, a shaft having a ball on one end thereof for rotatable engagement in said socket member and adapted to be inserted through the same opening as the plug, agitating means adapted to be secured upon said shaft, and means for rotating said shaft.

1,504,868. CLEANING DEVICE FOR AUTOMOBILES. JOHN W. CARRINGTON, Cincinnati, Ohio. Filed Oct. 10, 1921. Serial No. 506,724. 4 Claims. (Cl. 299—67.)

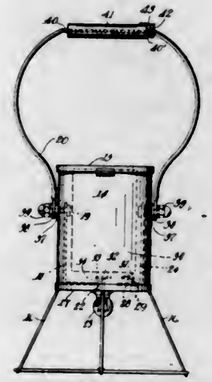
1. A cleaning device including a hollow cylinder having closed ends and provided at one end with means for controlling the admission of fluid to the cylinder and at its opposite end with means for controlling the emission of fluid from the cylinder, a pipe rotatably mounted in said cylinder and provided with propeller blades to permit fluid passing through the cylinder to rotate said pipe, one end of said pipe being open and arranged within the cylinder to permit fluid from the cylinder to pass

into the pipe, a hollow rotatable head mounted at the outer end of said cylinder, arranged exteriorly of the



cylinder and provided with apertures to permit fluid to be discharged from said head, and means for controlling the emission of fluid from said pipe.

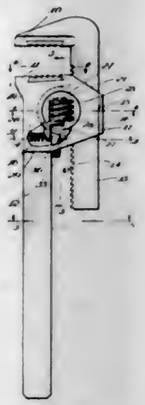
1,504,869. ELECTRIC LAMP. GUY W. COMER, Chicago, Ill. Filed Apr. 11, 1922. Serial No. 551,443. 7 Claims. (Cl. 240—8.5.)



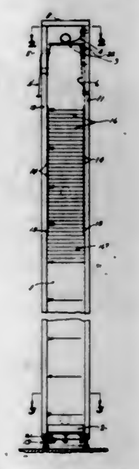
2. A lantern comprising a supporting handle having metallic side members and an insulating stem for supporting and electrically separating said metallic side members, a pair of metallic bars electrically connected with said side members, a light electrically connected with one of said bars, a battery connected with said light and the other bar, and finger engaging means movable bodily on said stem for electrically connecting said metallic side members to establish a circuit through the above said elements.

1,504,870. WRENCH. JOHN P. COUGHLIN, Chicago, Ill. Filed June 27, 1923. Serial No. 648,011. 7 Claims. (Cl. 81—105.)

1. A wrench comprising a stationary jaw having a shank forming the wrench handle, a movable jaw having a toothed shank and being pivoted on said stationary shank, a rotary worm for engaging said toothed shank, a case for said worm rotatable with said movable jaw, and a crank journaled in said stationary jaw and rotating with said case, and carrying at its offset portion said worm, whereby said worm swings about said journal as an axis to engage and disengage said teeth.



1,504,871. GRAVITY BALL-TESTING APPARATUS. CLARENCE LESLIE COVINGTON, Brookline, Mass. Filed Mar. 30, 1922. Serial No. 547,958. 3 Claims. (Cl. 265—13.)

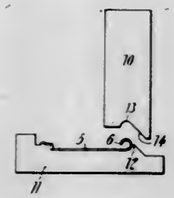


1. In a gravity ball-testing apparatus, a vertical, graduated standard; an anvil having a horizontal face, at the lower end of the standard; a supporting leaf at the upper end of the standard above the anvil to sustain the object; a spring to actuate the leaf downward; means to sustain the leaf in horizontal position against the urge of the spring.

1,504,872. MEANS FOR MAKING PRINTING PLATES. FRANK DE MINICO, New York, N. Y., assignor to Pollard-Alling Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1922. Serial No. 600,065. 1 Claim. (Cl. 153—3.)

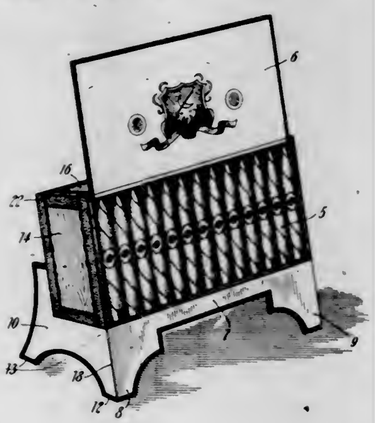
Means for producing a printing plate having an approximately cylindrical tubular rib on one edge thereof, comprising a series of three pairs of coacting punches and dies respectively, said punches being operated in

parallelism toward their respective dies, said first punch and die being adapted for punching out the plate blank from sheet material, the punch whereof is beveled on one edge whereby an upturned flange is formed on an edge of the blank simultaneously with said punching out



of the blank, said second punch and die being adapted for forming a bend parallel with and adjacent said upturned flange, and said third punch and die being adapted for rolling over said doubly bent edge toward the body of the plate.

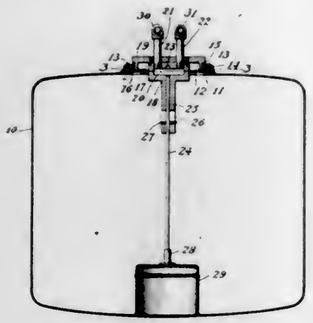
1,504,873. DISPLAY DEVICE. ADOLPH DIETSCHER, Jr., New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Feb. 8, 1922. Serial No. 534,851. 2 Claims. (Cl. 40—126.)



1. In a display device the combination of a front wall, opposite end walls articulated thereto, and a flap articulated to the upper edge of each end wall, said flaps having means for mutually interlocking and said end walls terminating downwardly in feet adapted for supporting the display, the front and end walls being held in angular relation and the device in display position by the interlocking of said flaps.

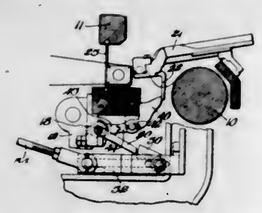
1,504,874. SIGNAL FOR GASOLINE TANKS. CIRILLO DI PIETRO and DANIEL M. COLUCCI, Waterbury, Conn. Filed May 2, 1923. Serial No. 636,136. 2 Claims. (Cl. 116—109.)

2. In an alarm device for warning the driver of a motor vehicle when the fuel in the supply tank has become nearly exhausted, the casing having a flange for attachment to the edge of an opening in the top of the tank, said casing having an interior horizontal passageway communicating at one end with a source of vacuum and at the other end with an air-operated signal, a plunger extending into said casing in right angles to said passageway and extending therethrough, said passageway having a socket in its upper surface adapted to form a seat for the upper end of said plunger, a float directly connected to the lower end of said plunger,



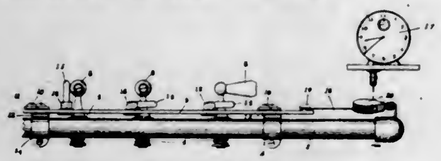
the top of said plunger being adapted to normally close said passageway and being adapted to fall and open communication between the ends thereof when the level of liquid in said tank has dropped to a predetermined point.

1,504,875. LOOM. CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Jan. 26, 1923. Serial No. 615,010. 3 Claims. (Cl. 139—292.)



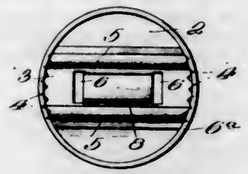
2. A high speed loom having, in combination, a lay, protector mechanism, temples provided with heels for engagement with the lay to push the temples forward upon each forward beat of the lay, bunters mounted on the lay, connections between the bunters and the protector mechanism operating on actuation of the protector mechanism to swing the bunters into position to engage the heels of the temples and thereby push them forward out of range of possible blow by the shuttle on the lay.

1,504,876. VALVE-OPERATING DEVICE. JOSEPH F. DUNN, New York, N. Y. Filed Apr. 7, 1922. Serial No. 550,319. 19 Claims. (Cl. 161—9.)



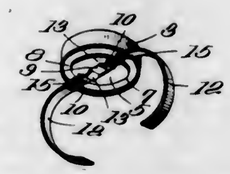
1. A device for operating a plurality of valve handles, comprising controlling means, movable members carried thereby, and supporting and guiding connections for the controlling means, each movable member being adapted to be set in the path of travel of its respective valve handle, whereby the set members will act to operate their respective valves when the controlling means is actuated.

1,504,877. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, McKeesport, Pa. Filed Apr. 14, 1924. Serial No. 706,358. 15 Claims. (Cl. 246—487.)



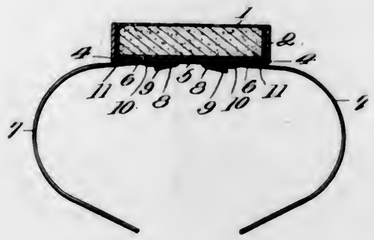
1. A railway signal torpedo comprising a case, a surrounding strengthening ring deeper than the said case and projecting beyond its bottom, and a clip having its ends extended and projecting and biting into the inner side of the said ring, for the purpose described.

1,504,878. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, McKeesport, Pa. Filed Apr. 14, 1924. Serial No. 706,359. 7 Claims. (Cl. 246—487.)



1. An improved railway signal torpedo, comprising a case having a flange extending from one side thereof, a clip held by the extended flange, said clip having therein strap openings, and a two-part strap passing through the said openings, the clip and strap being bent for causing the strap to be held in position on the clip.

1,504,879. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, McKeesport, Pa. Filed Apr. 14, 1924. Serial No. 706,360. 7 Claims. (Cl. 246—487.)



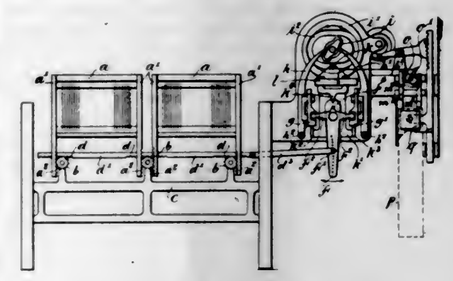
1. A railway signal torpedo, comprising a case, a clip applied thereto and having a strap opening, and a two-part strap applied through the said opening, one of the members having spring interlocking parts for holding the said straps in position on the clip.

1,504,880. RAILWAY SIGNAL TORPEDO. FRANK DUTCHER, McKeesport, Pa. Filed Apr. 14, 1924. Serial No. 706,361. 8 Claims. (Cl. 246—487.)



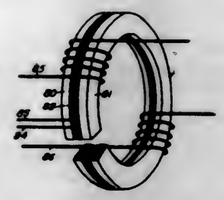
1. A railway signal torpedo comprising a case having a depending peripheral flange, and a disk-shaped clip having a periphery within and forceably engaging the inner side of the flange, the clip held to the torpedo by the said flange.

1,504,881. SHEDDING MECHANISM FOR LOOMS. CARL EGGART, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a Corporation of Switzerland. Filed Oct. 7, 1922. Serial No. 592,948. 5 Claims. (Cl. 139—57.)



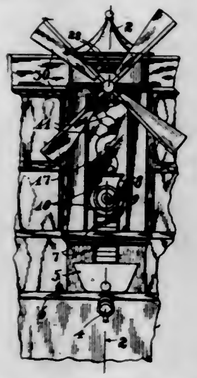
1. In a loom, the combination of two heddle frames in endwise relation, each frame having two vertical rack bars, the rack bars of one frame facing to one side and the rack bars of the other frame facing to the other side, a gear engaging both of the adjacent rack bars of the two frames, other gears engaging respectively the other rack bars of the two frames, a common rack bar engaging all of the gears, and means to reciprocate said common rack bar.

1,504,882. METHOD AND APPARATUS FOR TRANSMITTING SIGNALS. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1920. Serial No. 351,898. 7 Claims. (Cl. 178—45.)



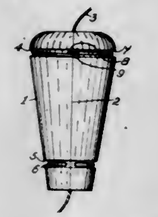
5. The method which comprises supplying the magnetic losses in the core of a loading coil designed to reduce attenuation from a source of current other than the signaling current.

1,504,883. DISPENSING DISPLAY. JAMES FAZIO, Venice, Calif. Filed Feb. 28, 1922. Serial No. 539,959. 9 Claims. (Cl. 40—126.)



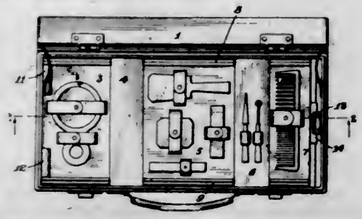
1. In a dispensing-display, a cabinet having transparent portions and having a dispensing faucet at a point below the transparent portions, fruit guiding means within the cabinet visible behind the transparent portions, and other guiding means for fluids in apparent connection between the fruit guiding means and the faucet.

1,504,884. FISHING FLOAT. DUDLEY GARST, Waterloo, Iowa. Filed May 27, 1922. Serial No. 564,173. 3 Claims. (Cl. 43—49.)



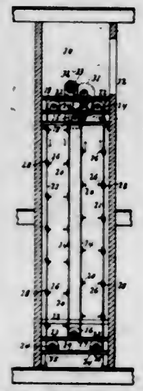
2. A fishing float, comprising an elongated elastic semi-split body whose split extends longitudinally to the axis of the body, a fishing-line traversing said split along its inner limit and held by elastic reaction of the walls of the split, said body consisting of water warpable material and having annular grooves around its opposite ends, and split-rings constructed of resilient material seated around said body compressingly in said annular grooves, and one of them being uncircular and having terminal integral interlocking parts.

1,504,885. LUGGAGE WITH FOLDING TRAY. GEORGE A. GERMANN, Floral Park, N. Y., assignor to Mark Cross Company, New York, N. Y., a Corporation of New York. Filed Apr. 16, 1923. Serial No. 632,389. 1 Claim. (Cl. 190—51.)



Luggage comprising a body and a cover hinged thereto, strips inside of opposite sides of said body adapted to support a tray, a tray on said strips comprising a plurality of sections hinged together, the central section being larger than the others and provided with upstanding ends rising to approximately the top edge of the body when the tray is resting on the strips, the sections next the central section having no upstanding ends whereby the tray may be partially folded and slit in the strips to permit access to the lower portion of the body and still permit access to the contents of the tray, said tray being also adapted to be removed from the body and carried as a separate piece of luggage.

1,504,886. CONVEYING MACHINE. WILLIAM J. GIBBS, Brooklyn, N. Y. Filed Dec. 11, 1922. Serial No. 606,047. 12 Claims. (Cl. 198—163.)



1. In a conveying machine the combination with an endless carrier, of an endless carrier surrounding the same, means on both carriers for supporting an object, and means for driving the carriers at the same speed.

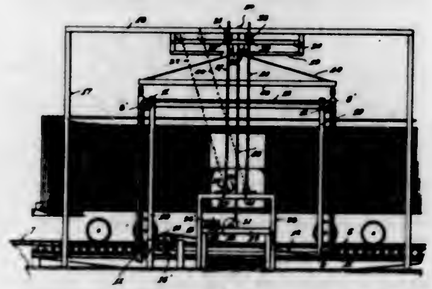
9. In a conveying machine the combination with a vertical endless chain carrier, of an endless chain carrier surrounding the same, shelves disposed at the inner and outer portion of the respective carriers one being in a line with the other for supporting a tray when ascending or descending, means for driving both carriers, and means controlled by the tray for automatically stopping the driving means.

1,504,887. BRUSH. WALTER GRUMBACHER, New York, N. Y. Filed Aug. 17, 1923. Serial No. 657,916. 5 Claims. (Cl. 15—191.)



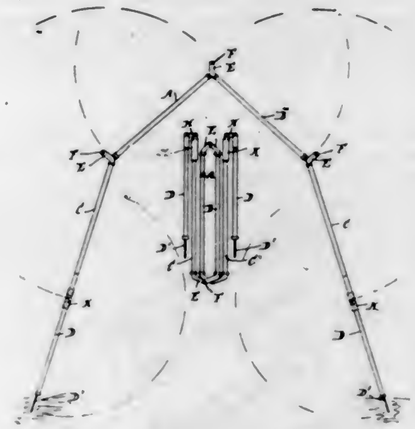
1. In a device of the character described, a compressible tubular handle member, bristles positioned therein and a bendable member wound tightly about said tubular member to compress it so as to produce an interengagement between the handle member and the bristles, the free ends of the bendable member being interengaged and twisted and then bent longitudinally of the handle member and in the direction of the bristles.

1,504,888. RAILWAY-CAR-DUMPING APPARATUS. MICHAEL J. HADDIGAN, Peoria, Ill. Filed July 13, 1922. Serial No. 574,771. 12 Claims. Cl. 214—47.)



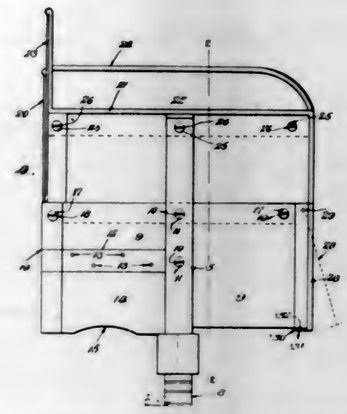
1. A railway-car dumping-apparatus including in its construction a platform to carry the car to be dumped, a frame carried by the platform at each side of the car, a gearing for clamping the frames upon the car to secure the later with respect to the said platform, and power means with which the gearing is adapted to engage and disengage in the tilting of the car.

1,504,889. TENT. HANS PETER HANSEN, Gisborne, New Zealand. Filed July 11, 1922. Serial No. 574,180. 1 Claim. (Cl. 135—4.)



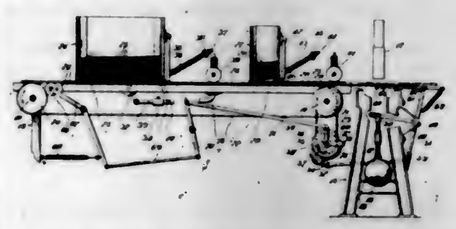
Collapsible frame for tents, comprising a plurality of separate members, each composed of a plurality of hinge-jointed sectional lengths adapted to form respectively the peak roof portion and the side-wall portion, hinge plates each adapted to project beyond each end to be joined together and bent sideways at an angle to the plane of the section's length and overlapping with the hinge plate on the other length, a pivot pin passing through the outer ends of the overlapping hinge-plates, the said hinge plates coinciding with each other in the assembled position of the said frame members, and a ring adapted to be slipped over the said hinge plates to hold them in locked position.

1,504,890. HOD. PETER H. HARTMAN, East Orange, N. J. Filed Oct. 5, 1920. Serial No. 414,881. 4 Claims. (Cl. 72—134.)



1. A hod comprising a plurality of converging superimposed sections detachably fitted together, the lower edge portion of an upper section projecting inside of the upper edge portion of the next adjacent lower section in the direction of convergence to form the body of the hod and a post connected with said body.

1,504,891. APPARATUS FOR MAKING BOX BLANKS. BERT EUGENE HILL, Natchez, Miss., assignor to National Box Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 17, 1920. Serial No. 411,010. 37 Claims. (Cl. 1—8.1.)

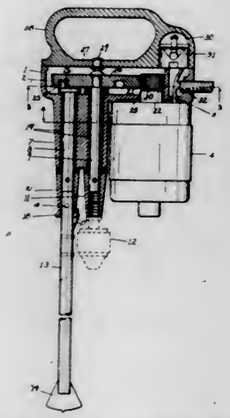


1. In a machine for making box blanks, the combination of stapling mechanism, conveying mechanism for conducting frames containing blank parts assembled in position for stapling to said stapling mechanism, and mechanism for advancing said frames past said stapling mechanism, the latter mechanism being adjustable independently of the said conveying mechanism to vary the position or number of the staples.

1,504,892. COMBINED DRILLING AND GRINDING MACHINE. CORWILL JACKSON, Kalamazoo, Mich. Filed Apr. 18, 1923. Serial No. 633,033. 7 Claims. (Cl. 29—26.)

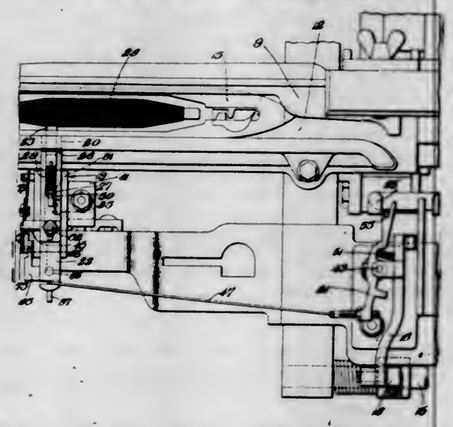
1. The combination of a frame comprising a body member provided with a gear box and having a motor housing seat on its underside and a spindle bearing extension disposed at the side of said seat, a top member constituting a cover for said gear box and provided with a hand piece, a motor provided with a housing mounted on said seat, said motor being provided with a shaft projecting into said gear box and having a pinion thereon, spindles mounted in parallel relation on said spindle bearing extension to project into said gear box, one of

said spindles being provided with a crank, and a gear mounted on the other of said spindles and meshing with said pinion on said motor shaft, said gear being operatively connected to said spindle crank.



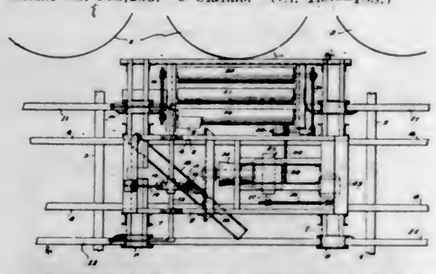
7. The combination of a frame comprising a body member provided with a gear box, a motor mounted on said body member and provided with a shaft projecting into said gear box and having a pinion thereon, spindles disposed on said frame to project into said gear box, one of said spindles being provided with a crank, and a gear mounted on the other of said spindles and meshing with said pinion on said motor shaft, said gear being operatively connected to said spindle crank whereby an oscillating movement is imparted to one spindle and a rotary motion to the other.

1,504,893. FILLING-FEELER MECHANISM FOR LOOMS. CORNELIUS J. KELLY, Taunton, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed July 19, 1922. Serial No. 575,980. 7 Claims. (Cl. 139—270.)



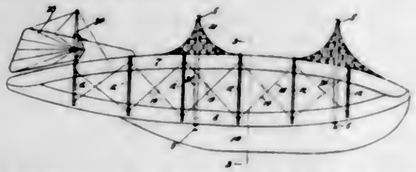
1. A loom having, in combination, a lay, a shuttle, a filling carrier, and filling feeler mechanism comprising a controller mounted to move toward and from the lay, a feeler pivotally mounted on the controller, the controller having its rear end adapted to be engaged by the shuttle, and the feeler being mounted above the controller so that the feeler engages the yarn at a point on the bobbin immediately in the rear of the point where the controller engages the shuttle.

1,504,894. MOLD LOADER. JESSE E. MCBRIDE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 7, 1921. Serial No. 513,265. 9 Claims. (Cl. 198—188.)



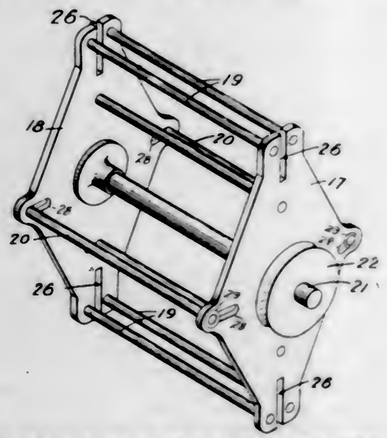
1. The combination with a conveyor and a parallel series of stations, of a loader above said conveyor and movable along the same for transferring work carried by the conveyor to said stations, and means upon said loader for moving work from said stations to said conveyor.

1,504,895. AIRCRAFT. ARCHIBALD LEE MCKELVEY, St. Louis, Mo. Filed Apr. 2, 1923. Serial No. 629,435. 11 Claims. (Cl. 244—30.)



1. In an aircraft, a fuselage comprising as a unitary structure a plurality of longitudinals arranged to form the skeleton work of the frame, vertical frames arranged at spaced intervals adapted to tie the longitudinals together in a rigid structure, tensioning guy wires arranged between each pair of vertical frames and disposed in crossed relationship, and a hull section suspended from the frame.

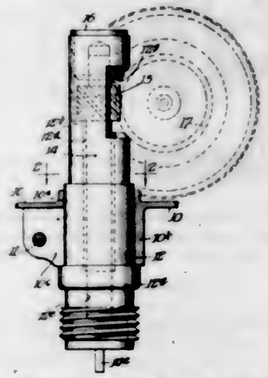
1,504,896. DUPLICATING MACHINE. MICHAEL P. MURPHY, New York, N. Y. Filed Aug. 21, 1920. Serial No. 405,098. 2 Claims. (Cl. 242—77.)



2. A reel for a web of material having end heads provided with outwardly opened slots, web supporting rods connected with said end heads, certain of said rods being disposed at opposite sides of the slot to support lay-

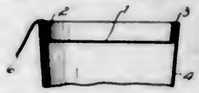
ers of the material in position to be severed by a cutting implement inserted within the slot and beneath the material, and other of said supporting rods being radially adjustable on the heads to vary the sheet length of the material on the reel.

1,504,897. DRIVING MECHANISM FOR SPEED INDICATORS. ALBERT M. OSLOCK, Elgin, Ill., assignor to N. W. Church, Los Angeles, Calif. Filed Nov. 23, 1922. Serial No. 602,734. 2 Claims. (Cl. 74—7.)



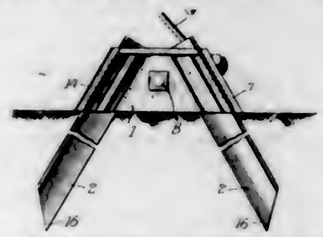
1. In a mechanism of the class described, a clamping collar, a bearing sleeve rotatably mounted therein and having an eccentric bore, a driving shaft journaled at one end in said bore, means mounted in the sleeve in which the opposite end of the shaft is journaled, said sleeve having a lateral opening, a gear, and a pinion secured to the shaft and exposed through said opening and in mesh with said gear.

1,504,898. COVER FOR DRINKING VESSELS. HOWARD C. POMEROY, St. Louis, Mo. Filed Oct. 8, 1921. Serial No. 506,454. 4 Claims. (Cl. 229—3.7.)



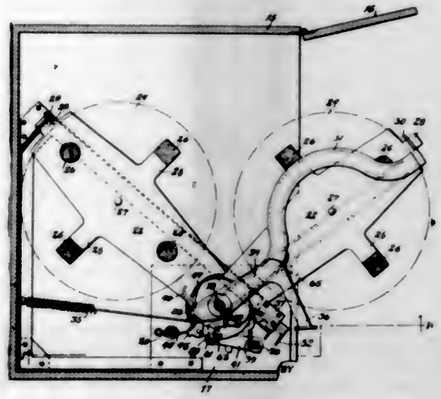
2. A removable cover for drinking vessels and the like comprising rings, one of slightly less diameter than the other, and a disk having its peripheral portion held between said rings, said cover being placed in the top of said vessel.

1,504,899. GROUND-ANCHOR MEANS. DAVID H. QUINN, Boston, Mass., and WILLIAM E. SWIFT, Lake Forest, Ill. Filed July 3, 1922. Serial No. 572,426. 7 Claims. (Cl. 189—90.)



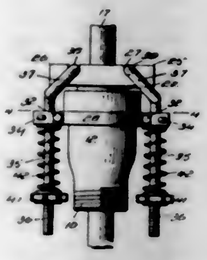
1. Ground anchor means comprising a guide having guideways formed thereon, in combination with posts adapted to be driven into the ground and guided by said ways, said guide including separable sections removable from said posts after the same have been driven.

1,504,900. CABINET. FRANK N. ROEHRICH, Jersey City, N. J. Filed Aug. 8, 1923. Serial No. 656,384. 11 Claims. (Cl. 211—16.)



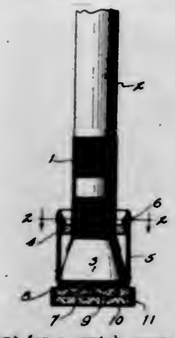
1. In a cabinet, a series of article carriers mounted for independent movement into and from the interior of the cabinet, a common operating element for the carriers, means for locking the said element within the cabinet, means for independently locking the respective carriers within the cabinet, and means operable to release the said element and any predetermined carrier and to couple the said carrier to the element, whereby the said element and its associated carrier can be projected from the cabinet and can thereafter be moved into the cabinet and locked therein.

1,504,901. STUFFING BOX. ROY W. ROGERS, Midian, Kans. Filed Mar. 6, 1923. Serial No. 623,246. 1 Claim. (Cl. 286—39.)



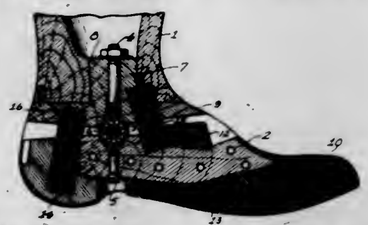
A stuffing box comprising a hollow body member, a packing means arranged therein and supported thereby, a gland extending into said member and having its upper end formed with oppositely disposed laterally extending transversely grooved flanges, a pair of vertically extending spring controlled pressure applying elements each formed at its upper end with an inwardly extending skeleton head seated in a groove of and further opposing the sides of a flange, and a clamping element carried by said body in proximity to its upper end and provided with laterally disposed end portions providing means for detachably connecting said pressure applying elements with said body and further constituting abutments for the springs of said pressure applying elements, and said end portions including transversely extending removable means to permit of the swinging outwardly of the pressure applying elements on said flanges to release the gland to relieve compression on the packing means.

1,504,902. ATTACHMENT FOR CRUTCHES. SAMUEL J. ROSENHEIN, Jr., Charleston, Miss. Filed Dec. 7, 1923. Serial No. 679,249. 2 Claims. (Cl. 135—53.)



2. An attachment for a crutch comprising a cap, spring latch members carried thereby and adapted to engage a projection on the lower end of the crutch and a disc of frictional material connected with the lower end of the cap.

1,504,903. ARTIFICIAL FOOT. JAMES F. ROWLEY, Chicago, Ill. Filed May 5, 1924. Serial No. 711,170. 4 Claims. (Cl. 3—7.)



1. An artificial foot comprising a leg member, a foot core hingedly mounted below said leg member, opposed spring rubber cushions comprising a heel cushion and a toe cushion, said heel cushion extending into a recess in said leg member and extending through said foot core, said toe cushion extending into recesses bearing directly between said leg member, and said foot core and a buffer cushion secured to said foot core.

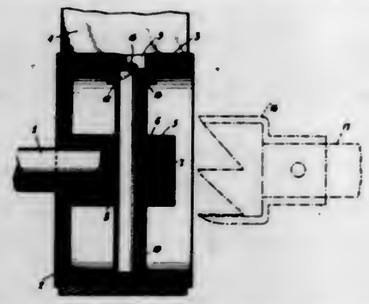
1,504,904. ANCHOR FOR LOWER DENTURES. THEODORE ROXBURY, Brooklyn, N. Y. Filed Aug. 4, 1923. Serial No. 655,597. 4 Claims. (Cl. 32—4.)



1. A denture provided with a bar member projecting rearwardly from one side portion thereof, said member having a recessed member secured thereto remote from the denture adapted to cling by suction to a side wall of the mouth.

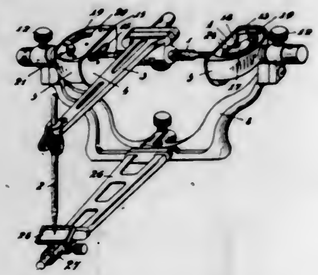
1,504,905. PULLEY PIN. CLARENCE L. RUFFCORN, Omaha, Nebr., assignor of one-half to Tony Costanzo, Omaha, Nebr. Filed Aug. 30, 1921. Serial No. 496,855. 7 Claims. (Cl. 287—53.)

7. A pin for radial insertion into and withdrawal through an opening in the flange of a fan pulley, comprising an unthreaded member of uniform diameter having a cotter key-way in one end comprising a bore having the form of an inverted Y, the single leg of which is substantially axial of the member, a cotter key insertible in the single leg of said bore and spread by passage



through said divergent legs, the spread extremities of said cotter key being adapted to limit the radial movement of said pin when in position within the flange of the pulley.

1,504,906. ARTICULATOR. CARL RUMPEL, Berlin, and HERMANN SCHRÖDER, Berlin-Westend, Germany, assignors to the Firm of Sommer & Runge, Berlin-Friedenau, Germany. Filed May 14, 1923. Serial No. 638,868. 5 Claims. (Cl. 32—1.)



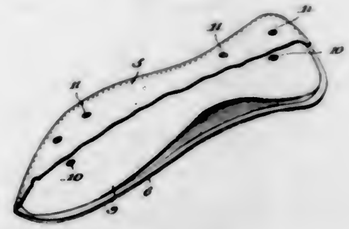
1. In an articulator the combination of the articulator-axis with the bearing or guide-cases for the ends of the articulator-axis, turnably positioned pivots fastened to the bearing-cases, and squeezing-screws for the fixation of the pivots.

1,504,907. ADVERTISING DEVICE. EARL SANDUSKY, Los Angeles, Calif., assignor to The Bailey Fitwell Company, Inc., Los Angeles, Calif., a Corporation of California. Filed June 26, 1923. Serial No. 647,856. 1 Claim. (Cl. 40—129.)



A device of the character described comprising a substantially U-shaped body member provided with a pocket at each end thereof, and a U-shaped resilient member mounted in each of said pockets and serving as means for securing the device in display position.

1,504,908. INSOLE FOR SHOES. RYUJI SATO, New York, N. Y. Filed Jan. 3, 1923. Serial No. 610,482. 2 Claims. (Cl. 36—28.)



1. An insole including an enclosure structure having a perforated wall, and a hollow elastic body contained in the enclosure and provided with openings co-acting with the openings of the enclosures to induce a circulation of air around the foot respectively on inflation and deflation of said body.

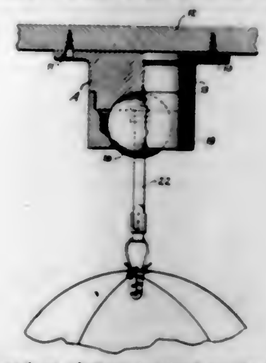
1,504,909. WRENCH. LEW SATTER, Wiley, Wash. Filed Dec. 14, 1922. Serial No. 606,958. 1 Claim. (Cl. 81—103.)



A wrench comprising a pair of substantially parallel bars adapted to move longitudinally with respect to one another, a handle on one of said bars, heads on both bars having mutual gripping teeth to receive a pipe, one of said bars having a series of notches on its inner side, a casing enveloping both bars and pivoted to one of the bars, a pivoted pawl carried by said casing between the bars and adapted to cooperate with the notches on said bar whereby to hold the jaws in substantially fixed position, said casing having a slot, a pin connected to the pawl and slidable through said slot, said casing having a closed wall against which the outer face of the notched bar slides and abuts, said casing also having a second wall opposite the first mentioned wall against which the outer face of the companion bar is adapted to engage, said walls adapted to prevent undue separation of the bars, such as would cause the jaws to swing together and crush the pipe held therebetween, said notched bar having a limited lateral movement in and relative to the casing toward the companion bar, said pivoted pawl having a plurality of teeth adapted to simultaneously engage the notches in the bar over a relatively wide area, a flat spring on such companion bar for urging the toothed portion of the pivoted pawl toward the notched bar and for yieldingly holding the notched bar against the first named closed wall of the casing, said toothed portion of the pawl being at an intermediate portion of said casing and its first named closed wall, the pivot point of the pawl being inwardly of the pivot point of the casing toward said notched bar.

1,504,910. BAG SWIVEL. MYRON R. SCHALL, Monte Vista, Colo. Filed Dec. 2, 1922. Serial No. 604,539. 2 Claims. (Cl. 46—69.)

1. In a device of the character described, an attaching plate, a socket member supported by said plate, a ball swivelled in said socket member and having a bore opening at both ends, a looped strap projecting from one end



of the bore, and an element received by the loop formed by said strap and positioned in the bore of said ball for holding the parts associated.

1,504,911. BOLUS GAUZE. ALFRED SCHINDLER-JENNY, Leuggelbach, Glarus, Switzerland, assignor to the Firm Gallatin & Cie., Leuggelbach, Glarus, Switzerland. Filed Apr. 24, 1922. Serial No. 556,537. 2 Claims. (Cl. 128—156.)

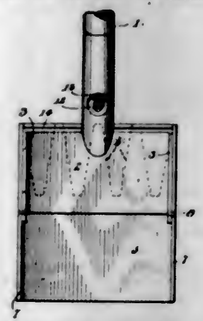
1. A bolus gauze comprising bolus alba rendered adherent to gauze by aluminum acetate resulting from the reaction of about equal weights of acetate of lead and alum in about four parts by weight of water.

1,504,912. RING TRAVELER. MICHAEL J. SHEEHAN, New Bedford, Mass. Filed Aug. 16, 1923. Serial No. 657,815. 7 Claims. (Cl. 118—61.)



1. A traveler for spinning and twisting machines, comprising a body portion adapted to engage a ring, an arm extending upwardly from said body, said arm having a thread guide on its end, and a tension spring connected to said arm and body.

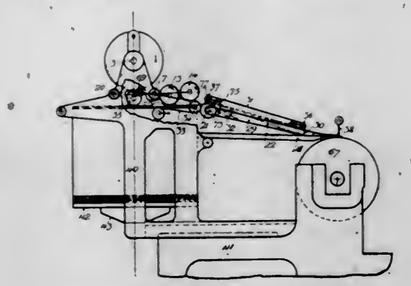
1,504,913. COMBINED HOE, RAKE, AND SHOVEL. ANSELMO SIMONCELLI, Silverbow, Mont., assignor of one-half to Domenica Girardi, Butte, Mont. Filed Apr. 18, 1923. Serial No. 632,945. 6 Claims. (Cl. 294—52.)



1. In a device of the class described, a handle, a head having upstanding side flanges carried by said handle, a blade having upstanding side flanges, means for pivotally

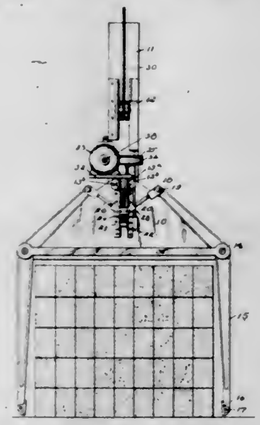
connecting the side flanges of said head and blade, a link pivotally connected to said blade, and means carried by said handle adapted to engage said link for retaining the blade in different angular positions in respect to the axis of said handle.

1,504,914. AUTOMATIC SHEET-FEEDING DEVICE. JOHN H. STONEMETZ, New London, Conn., assignor to The Babcock Printing Press Manufacturing Company, New London, Conn., a Corporation of Connecticut. Filed Nov. 18, 1919. Serial No. 338,835. 7 Claims. (Cl. 271—21.)



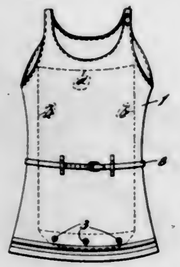
1. A device for feeding sheets singly from a pile, comprising means for holding a pile of sheets, means for separating sheets singly from said pile and for feeding them direct, and means for separating sheets singly from the same pile and for reversing or turning said sheets and for feeding them.

1,504,915. DEVICE FOR HANDLING HOLLOW BUILDING BLOCKS. HALVER R. STRAIGHT, Adel, Iowa. Filed June 9, 1920. Serial No. 387,767. 8 Claims. (Cl. 294—63.)



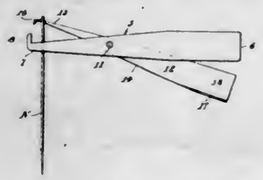
1. In a device of the class described, a grab member provided with a series of grippers adapted to move from an open to a closed position, an electric circuit including a double pole switch, a motor and a pole changer, the pole changer being adapted to reverse the movement of the motor, means actuated by said motor for opening and closing said grippers, and means actuated by the last said means for actuating said pole changer when the grippers have been moved to either a closed or open position, said switch and said pole changer being so arranged that the motor will be automatically thrown out of operation and the pole changer moved from one position to the other of its movement.

1,504,916. BATHING SUIT. EDWARD A. TEIBER, St. Louis, Mo. Filed Jan. 8, 1923. Serial No. 611,427. 4 Claims. (Cl. 9—20.)



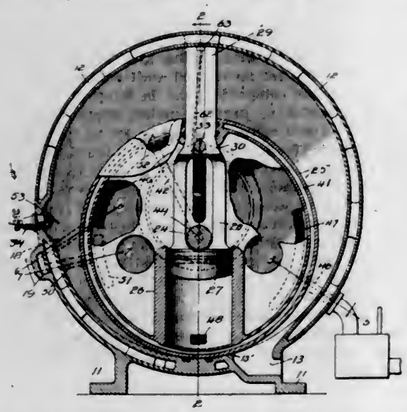
1. A bathing garment having a pocket, and a wafer shaped buoyant pad formed of cellular or sponge rubber and having an outer impervious covering formed integral with said cellular portion, said pad being removably secured in position in said pocket, the tapered edges of said pad being relatively stiff.

1,504,917. NEEDLE-THREADING DEVICE. HERMAN TRZECIAK, Wakpala, S. Dak. Filed Nov. 28, 1923. Serial No. 677,418. 2 Claims. (Cl. 223—36.)



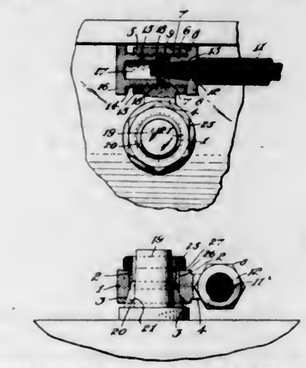
1. In a needle threading device, a series of arms pivotally connected together intermediate their ends, two of said arms having upstanding lugs carried by their adjacent ends and the third arm having a downwardly directed curved end adapted to be moved into transverse alinement with the said upstanding lugs.

1,504,918. ROTARY ENGINE. FREDERICK TUCKER, Santa Barbara, Calif. Filed Mar. 31, 1921. Serial No. 457,164. 7 Claims. (Cl. 123—16.)



1. A rotary engine comprising a stationary casing forming a combined explosion and rotor chamber, a shaft disposed eccentrically of said casing, a rotor concentrically mounted on said shaft and having a part thereof in continuous contact with the wall of said chamber, said rotor having at one side thereof a cylinder formed with a combined inlet and discharge port and a combined fuel suction, compressing and expelling piston operating in the cylinder diametrically of the rotor and provided with a pressure operated element shiftable through the opposite side of the rotor and riding permanently against the wall of said chamber to provide an explosion space therein, said casing having a transverse duct and a fuel conducting channel dealing from each end of said duct, one of said channels terminating in an entrance port registering with the port of said cylinder for receiving fuel therefrom during the operation of the rotor, the other of said channels terminating in a discharge port and receiving fuel from said duct, said chamber further provided with a fuel supply channel having a delivery port registering with the port of the cylinder in advance of the registration of said entrance port during the operation of the rotor, said rotor provided with a clearance for opening said discharge port to said chamber subsequent to the registration of said entrance port, an igniting element extending into said chamber and said casing provided with an exhaust for said chamber, the ports of said channels controlled by said rotor.

1,504,919. ELECTRICAL CONNECTER AND TERMINAL. JAMES R. VAN AUKEN, Newark, N. J. Filed Dec. 19, 1922. Serial No. 607,805. 12 Claims. (Cl. 173—259.)



1. A connecter and terminal for storage batteries, comprising a pair of sleeve-members, one of said members being provided with a hole having a cylindrical portion and a cone-shaped portion, a binding sleeve in said hole, said sleeve being longitudinally slitted and having a cylindrical portion and a cone-shaped portion adapted to be fitted upon the cylindrical and cone-shaped portions of the said sleeve-member, said binding sleeve being adapted to be fitted upon a batery-post, means connected with said binding sleeve for locking said sleeve-member and said binding sleeve against displacement upon the battery-post, a tubular stud in one end of the other sleeve-member, said tubular stud being adapted to receive the metallic conductor-end of a cable, a binding stud in the other end of said second-mentioned sleeve-member, and means connected with said binding stud adapted to be brought in engagement with said first-mentioned tubular stud for securing the metallic conductor-end of the cable against displacement from within said tubular stud.

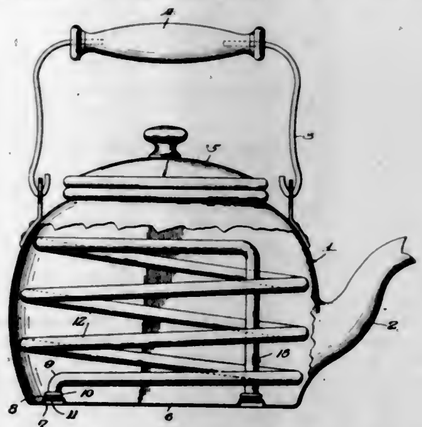
1,504,920. COLLAPSIBLE CONTAINER. ROBERT VIEGELMANN, New York, N. Y. Filed June 22, 1923. Serial No. 647,014. 2 Claims. (Cl. 221—60.)

1. A collapsible container having an outlet portion with opposed walls of pliable material between which the contents of the container are adapted to be forced when emptying the container, said pliable walls of the outlet portion being releasably interlocked with each other for closing and sealing the container to preserve the contents from contact with the air and with exterior objects, said pliable interlocked wall being adapted



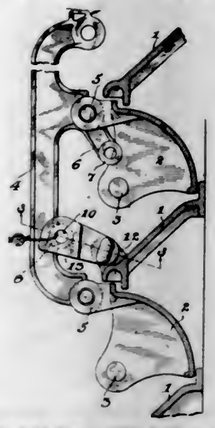
to be separated by pressure of the contents in the outlet portion when the container is collapsed for automatically opening the container under predetermined pressure for removal of the contents by continued pressure.

1,504,921. COOKING UTENSIL. HENRY WIEDERHOLD, New York, N. Y. Filed Aug. 10, 1923. Serial No. 656,725. 5 Claims. (Cl. 53—9.)



1. A cooking utensil comprising a chamber for the material to be heated and a substantially helical heating tube therewithin having both of its ends opening through the base of the utensil at points near the periphery thereof.

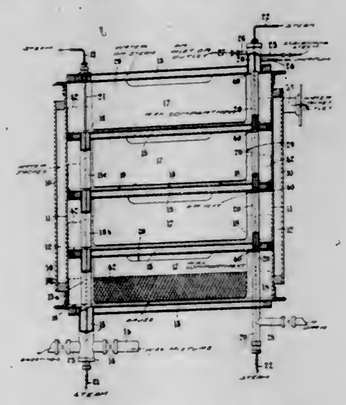
1,504,922. FREIGHT-CAR VENTILATOR. WILLIAM E. WINE, Toledo, Ohio. Filed Aug. 6, 1923. Serial No. 656,094. 5 Claims. (Cl. 292—345.)



1. A shutter bar having portions throughout its length for pivotal engagement with revolvable shutters, a short arm formed at one of said pivotal portions and a pro-

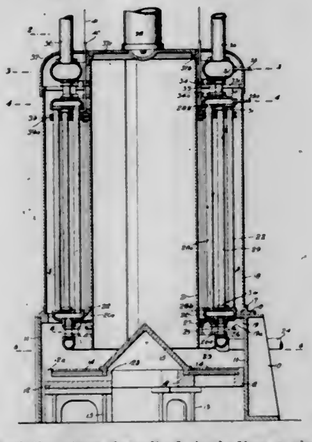
jection formed on said shutter bar between a pivotal portion and said short arm, a latch member separate from said bar and adapted to engage the arm when the bar is in one position to thereby lock the same against movement and to engage the projection when the bar is in its opposite position.

1,504,923. APPARATUS FOR SWEATING OR CRYSTALLIZING PARAFFIN OR OTHER WAX. HUGH L. ALLAN and JAMES MOORE, Burmah, British India, assignors to The Burmah Oil Company Limited, Glasgow, Scotland, a British Corporation. Filed Oct. 6, 1923. Serial No. 666,996. 10 Claims. (Cl. 196—20.)



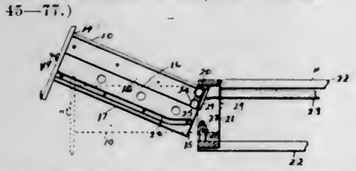
1. Apparatus for crystallizing and dry-sweating wax comprising a closed wax-containing chamber, substantially horizontal hollow heating and cooling cells above and below said chamber, a filling pipe entering said chamber from below and an air-vent at the top of said chamber for the escape of displaced air, whereby said chamber may be completely filled with wax mixture to the exclusion of air.

1,504,924. BOILER. ROBERT ANDERSON, Brooks, Alberta, Canada, assignor of one-half to Peter MacGregor, Detroit, Mich. Filed Apr. 29, 1921. Serial No. 463,381. 1 Claim. (Cl. 122—339.)



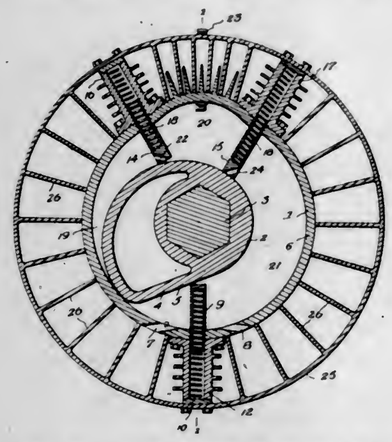
A boiler of the class described, including a ring, means supporting said ring, series of doors on said supporting means and enclosing the fire chamber and ash pit of the boiler, an outer shell supported on said ring, an annular lower header supported on said supporting means, and having a water inlet, an annular mud drum suspended by stay pipes from said header and communicating therewith, an inner shell supported on said header, vertical tubes rising from said header between the shells, separate chambers with which separate groups of said vertical tubes communicate at their upper ends, certain of the tubes being threaded into the lower header and into said chambers, others of each group being held clamped between the chambers and lower header through the medium of the threaded tubes, and an annular chamber above and in communication with said separate chambers.

1,504,925. DRAWER. PAUL ANTONIO, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,432. 1 Claim. (Cl. 45—77.)



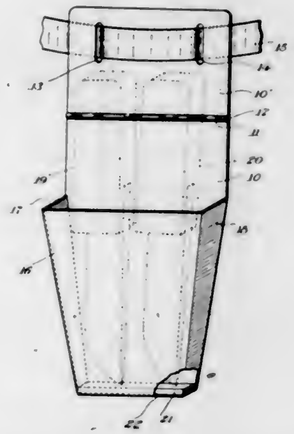
A drawer, a support for the drawer, a rail on each side of the drawer, rollers carried by said support near the front thereof and into contact with which said rails are in the movement of said drawer, a pair of rollers on each side of the drawer near the rear end thereof, tracks carried by said support into contact with which respectively said pairs of rollers are in the movement of said drawer, stops carried by the drawer at the rear end thereof which project above the top edge of the drawer and which move against a cross bar of said support to prevent the complete withdrawal of the drawer from the support, the rails on said drawer being curved at the rear ends thereof to allow the front end of the drawer to be tilted upwardly so that the stops clear the cross bar so that the drawer may be completely withdrawn from its support, and the front end of the tracks being curved downwardly for receiving the rollers on the drawer when the drawer is in tilted position.

1,504,926. ROTARY INTERNAL-COMBUSTION ENGINE. CARROLL BAISCH, Lincoln, Nebr. Filed Mar. 11, 1922. Serial No. 543,067. 4 Claims. (Cl. 123—14.)



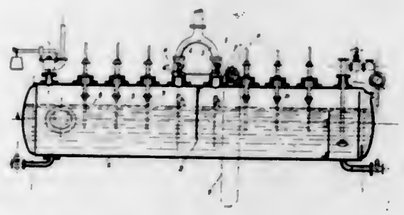
1. In a rotary internal combustion engine, a stationary cylinder, a piston rotatable therein, a plurality of sliding abutments extending into the cylinder and dividing into inlet compression and exhaust compartments, said piston having an irregular perimeter, means urging said abutments in engagement with the perimeter of the piston to permit operation of the abutments by rotation of the piston to control the passage of gases into and from said compartments, certain of said valves provided with diagonal openings adapted to be normally closed by the perimeter of said piston, and at predetermined times free from engagement with the perimeter of the piston to permit the passage of gases therethrough.

1,504,927. SANITARY KIT FOR BUTCHERS' KNIVES. GEORGE HENRY BAUST, Omaha, Nebr. Filed Oct. 2, 1922. Serial No. 591,976. 2 Claims. (Cl. 224—5.)



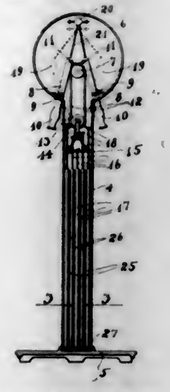
1. A device of the class described, comprising upper and lower sections, a hinge for connecting said sections along a transverse line, the upper section being provided with slots, a belt passing through the slots, an open-top receptacle carried by the lower section, and a strip of flexible material on the upper side of the bottom of the receptacle.

1,504,928. ELECTRICALLY-HEATED BOILER. PAUL BERGEON, Grenoble, France. Filed Apr. 4, 1921. Serial No. 458,465. 3 Claims. (Cl. 219—40.)



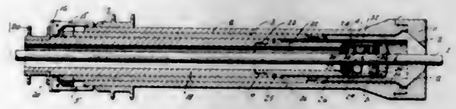
1. A steam boiler having compartments arranged for water communication between them, electrodes for partial immersion in the water in the compartments, means to establish steam connection between the steam spaces of the compartments, and means to regulate the escape of steam from each compartment and thereby cause an increase of steam pressure in either of the compartments and hence effect a corresponding lowering of the water level therein and a corresponding reduction of the extent of the immersion of the electrodes of said compartment.

1,504,929. VIGORMETER. ALPHONSE BISCHOFF, Los Angeles, Calif. Filed June 8, 1922. Serial No. 566,800. 5 Claims. (Cl. 265—22.)



1. In a device of the class described, handles, weights having engaging means at different points in relation to the several weights, means for consecutively engaging the handles with the weight engaging means of the weights, a housing inclosing the weights and engaging means, and indicating means on the outside of the housing having connection with the inside operating means for indicating the movements of the handles and weights.

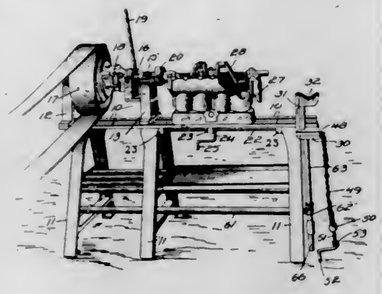
1,504,930. AUTOMATIC SCREW MACHINE. CLAUDE G. BLANCHARD, Erie, Pa. Filed Jan. 18, 1922. Serial No. 530,165. 17 Claims. (Cl. 29—61.)



1. A stock gripping feed chuck for forming machines comprising a hollow body, a gripping member having a central aperture adapted to embrace the work and tiltably mounted upon the body, and means permitting the member to move to a position at right angles to the axis of the body upon a movement of the body in one direction and permitting a movement into angular relation to the axis of the body upon a movement of the body in the other direction, said gripping member being longitudinally movable with the body.

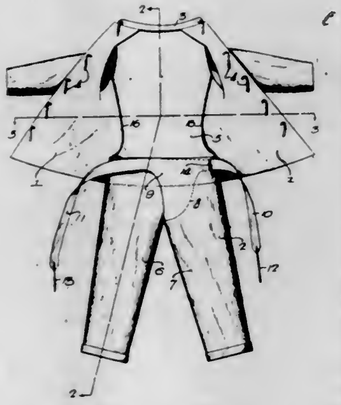
10. A stock gripping feed chuck for forming machines comprising a hollow body through which the stock is adapted to pass, a retainer ring detachably mounted at the mouth of the hollow body and extending centrally inward, a pressure ring disposed within the hollow body inward of the retainer and detachably engaged with the body, the pressure ring having its face confronting the retainer ring disposed in a plane diagonal to the axis of the body, a gripping ring disposed between the pressure ring and the retaining ring and tiltable in said space from a position at right angles to the axis of the body and against the inner face of the retaining ring to a position at less than a right angle and against the inclined face of the pressure ring, and screws holding the pressure ring and retainer ring in place, said screws having shanks of smaller diameters than the screws, the screw openings in the pressure ring and retaining ring being sufficiently deep to permit the screws to be turned down entirely within said rings when the rings are inserted into the body, the shoulders formed at the base of said shanks preventing the outward movement of the screws beyond a predetermined point, said shanks having a length equal to the thickness of the wall of the body.

1,504,931. ENGINE REPAIR STAND. VICTOR BLASZYK, New Rome, Wis. Filed Dec. 18, 1922. Serial No. 607,593. 4 Claims. (Cl. 29—89.5.)



1. In an apparatus of the class described a support, rail members in spaced parallel relation carried by said support, guide rods in parallel relation to the rail members, a bar slidable on the rods, a stop element swingingly coupled to said bar at one end, means for limiting the movement of said stop element in one direction, and clamping means operating through said bar and adapted to engage the body to be operated on to hold it in position on the rails.

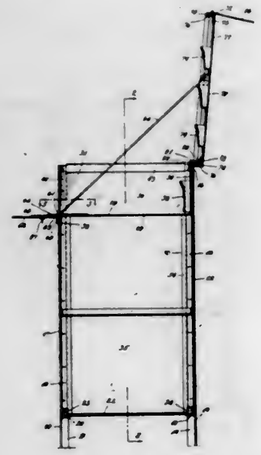
1,504,932. OPERATING GOWN. MATTHEW H. BOEHMER, Philadelphia, Pa. Filed Feb. 15, 1922. Serial No. 536,740. 2 Claims. (Cl. 2—79.)



1. A one-piece garment comprising coat and trousers portions, the trousers being permanently attached to the coat only by a strip of material extending from the back of the trousers to the collar of the coat intermediate the arm openings, said strip being adapted, while constituting an inner back for the coat, to lie entirely behind and be hid by the body of one wearing the garment.

1,504,933. DISPLAY CABINET. ACHILLE BRAUNSTEIN, New York, N. Y., assignor to Anchor Corrugating Construction Co., New York, N. Y., a Corporation of New York. Filed Oct. 1, 1923. Serial No. 665,768. 12 Claims. (Cl. 211—14.)

1. A display cabinet having an open side, a removable side wall adapted to close said side of the cabinet, cooperating engaging means on the side wall and the cabinet arranged to prevent outward movement of the side wall when the wall is in position to close said opening and to permit outward movement of the side wall when it is raised a short distance from said position, a cover for the top of the cabinet adapted, when closed, to



engage the upper end of the side wall, and means for securing the cover in closed position and thereby preventing removal of the side wall.

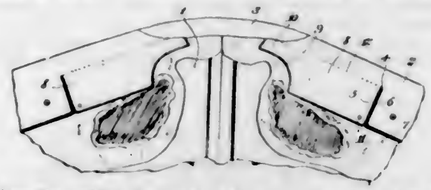
1,504,934. SUPPORT FOR GOLF-COURSE MARKERS. THOMAS J. W. BROWN, Washington, D. C. Filed May 22, 1922. Serial No. 562,887. 4 Claims. (Cl. 46—4.)



1. A support for golf course markers comprising in combination a split sleeve, means for binding the sections of said sleeve upon the lower end of a marker standard, a depending pin, and a lug upon said pin arranged and adapted to maintain said support at proper elevation.

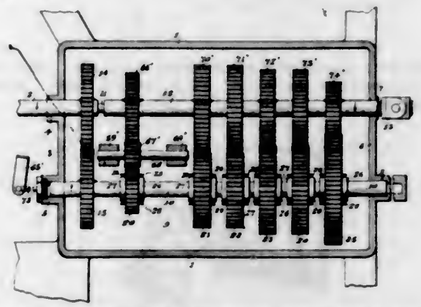
1,504,935. COMBINED COAT AND MUFFLER. LOUIS BUCHALTER, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,675. 1 Claim. (Cl. 2—85.)

A coat having both of its inner front facings provided at their edges remote from the edges of the coat with integral extensions at the upper ends of the facings, said extensions being identical in form and size and laterally of a length less than the width of the lapel opening in the coat when closed whereby both said facing extensions at the upper ends of the facings may be combined to form a muffler to close the lapel opening of the coat



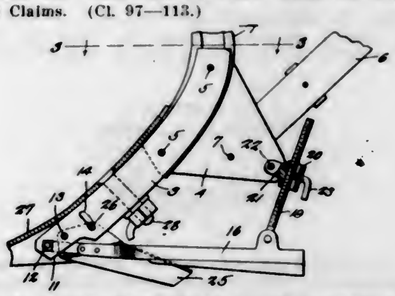
when the coat is buttoned and such extensions are adjusted for use as muffler sections as and for the purposes set forth.

1,504,936. TRANSMISSION-GEAR MECHANISM. THEOPHILUS T. BURCHELL, Manchester, Ky. Filed Apr. 29, 1924. Serial No. 709,808. 6 Claims. (Cl. 74—59.)



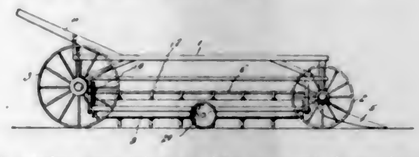
1. A transmission gear mechanism comprising a driven shaft, means operated from the motor of the vehicle for continuously operating said shaft during the operation of the motor, a driving shaft, a plurality of pairs of speed change gears mounted on said driving shaft, the gears of each pair being of the same diameter and one fixed to and the other clutching with said driving shaft, the gears of one pair being of a different diameter with respect to the gears of the other pair, a plurality of pairs of speed change driving elements mounted in inactive position on said driven shaft, said elements permanently meshing with said gears, the elements of each pair being of the same diameter and of a different diameter with respect to the elements of the other pair, each of said elements including means for clutching it in an active position on the driven shaft, and a cam element mounted in the driven shaft for selectively coupling synchronously a plurality of said elements to said driven shaft.

1,504,937. PLOW. WILLIAM JACKSON BURNETT, Thomasville, Ga. Filed May 24, 1922. Serial No. 563,325. 2 Claims. (Cl. 97—113.)



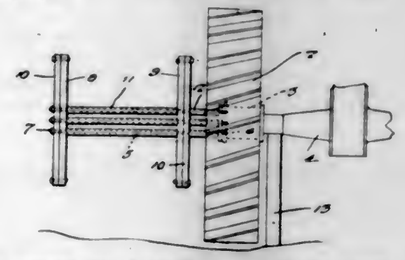
1. In a plow the combination with a standard and parallel extension strips secured thereto, of a runner pivotally connected to said strips, wings or scrapers pivotally connected to the strips, and clamping means for holding said wings or scrapers against angular adjustment, there being arcuate slots for the reception of the clamping means concentric with the point of connection between the wings and the strips.

1,504,938. ONION WEEDER. AARON J. BURNHEIMER, Kimmell, Ind. Filed May 31, 1923. Serial No. 642,456. 1 Claim. (Cl. 97—38.)



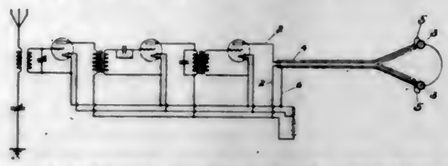
A weeder comprising a wheel mounted frame having vertically disposed spaced guides, bearings slidably mounted in the guides, springs located in the guides and resting upon the bearings and tending to hold the bearings in lowered position in the guides, a frame connected with the bearings and bridging the space between the guides, a ground engaging wheel journalled upon said connecting frame at a point midway between the ends thereof, and a roller journalled in the bearings and provided with radially disposed blades, said roller being disposed longitudinally of the wheel mounted frame.

1,504,939. WINDING-REEL ATTACHMENT FOR TRACTORS. DAVID EZRA CARMONY, Manilla, Ind. Filed Mar. 28, 1924. Serial No. 702,645. 1 Claim. (Cl. 242—95.)



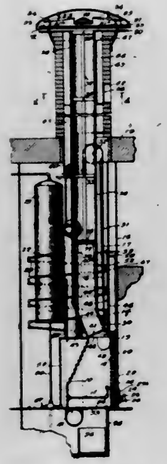
A winding reel attachment for traction wheels of a motor vehicle comprising a plurality of elongated rods threaded at their inner ends for engagement with the threaded openings provided in the hubs of said traction wheel, a pair of disks supported on said rods, spacing sleeves mounted on said rods and between said disks, additional spacing sleeves mounted on said rods between the hubs and the inner disks whereby said disks are supported in spaced relation with respect to each other and with respect to the hub of the traction wheel.

1,504,940. TELEPHONE-RECEIVER CIRCUITS. GLENN W. CARPENTER and WENDELL L. CARLSON, Washington, D. C. Filed Jan. 29, 1921. Serial No. 440,992. 13 Claims. (Cl. 179—78.)



1. In a telephone receiver circuit the combination of telephone cords, an amplification circuit and means for shielding said cords from extraneous electrical influences comprising a metallic shield enclosing said cords substantially throughout their length and an electric connection between said shield and said amplification circuit.

1,504,941. HEATING SYSTEM. WILLIAM ALBERT COLLVER, Marshfield, Oreg. Original application filed Apr. 21, 1922, Serial No. 555,861. Divided and this application filed June 6, 1923. Serial No. 643,758. 2 Claims. (Cl. 126—121.)



1. A fireplace heater including a fireplace, a smokestack, a chimney surrounding the smokestack at the upper end and having valved air inlets, air ducts disposed between the chimney and smokestack and leading upwardly from the inlets and then downwardly, a casing about the fireplace, air pipes in said casing at opposite sides of the fireplace, and communicating with the air ducts to receive air therefrom, and balanced valves controlling the outlet of air from said pipes to the interior of the casing and subject to variations of pressure therein.

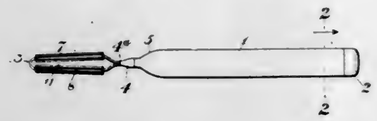
1,504,942. ORTHODONTIC APPLIANCE. THOMAS MCLOYD COMEGYS, Shreveport, La. Filed Sept. 8, 1923. Serial No. 661,601. 1 Claim. (Cl. 32—19.)



An orthodontic device which includes a pair of anchor bands adapted to be cemented to teeth in the mouth, a pair of teeth-engaging elements connected at one end to the anchor bands, sleeves on the other ends of said elements, each sleeve adapted to receive portions of the other element than the one on which it is mounted whereby the elements may be adjusted to bear against the surface of the teeth intervening between the anchor bands to hold them in their normal alignment, the sleeves adapted to engage with the elements which they embrace with sufficient friction to hold the elements in any adjusted position.

1,504,943. SANITARY TOOTHBRUSH. ROBERT W. CONGER, Bristow, Okla. Filed June 22, 1923. Serial No. 647,197. 1 Claim. (Cl. 15—202.)

A device of the character described having a head comprising an open frame formed of a continuous piece of wire bent upon itself to form an elongated loop having divergent sides with the ends of the wire bent into engagement with each other at the inner end of the head, whereby to provide a head having an unbroken open space between its two sides: a tapered metallic collar adapted at its smaller end to snugly receive the two meeting ends of the wire, said wire ends and collar being integrally united together inside the collar by soldering; a handle for the device, said handle being reduced at its inner end and provided with a socket adapted to removably receive the inner end of the metallic collar, said divergent sides of the wire head having metallic channels integrally secured to their under sides



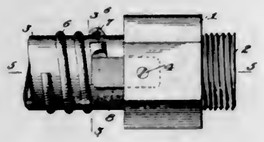
as by soldering; whereby to provide for the head and the channels and the collar an unbroken metallic surface for sterilizing purposes; a plurality of removable tuft blocks for said metallic channels, the hollow handle of the device being made of a shape and size to receive and house the removable head when not in use; and a cap for the outer end of the handle.

1,504,944. ELECTRICAL WATER HEATER. SHELDON E. COOK, Lincoln, Nebr. Filed Oct. 29, 1921. Serial No. 511,291. 2 Claims. (Cl. 219—41.)



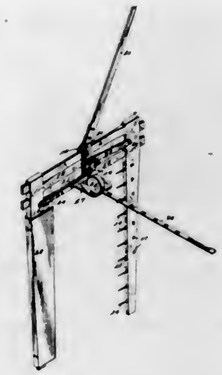
1. An electric water heater comprising two members, one terminating in a standard male thread, the other terminating in a contact button projected beyond the threaded end of said first member and insulated therefrom, whereby the heater may be screwed into a standard electric socket and effect electrical connection therewith for the purposes described.

1,504,945. HOSE PROTECTOR. WILLIAM H. DEMPSEY and ORON J. WAGGONER, Alton, Ill. Filed Mar. 24, 1924. Serial No. 701,475. 5 Claims. (Cl. 285—71.)



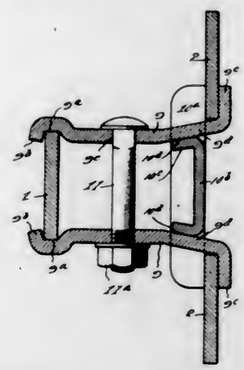
1. The combination with a wire wrapped hose and coupling member, of an external curved tubular protector on the hose-receiving end of said member and into which the free end of the wire wrapping extends.

1,504,946. CUTTING IMPLEMENT FOR CAKES OF ICE. ROBERT A. FERGUSON, Oskaloosa, Iowa. Filed Feb. 28, 1922. Serial No. 539,989. 4 Claims. (Cl. 125—23.)



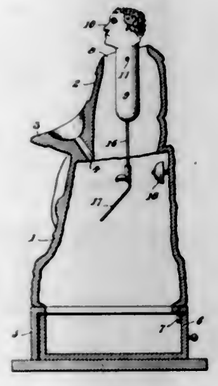
1. In an implement of the class described, the combination of two side members, guides at the upper ends thereof, each guide being fixed to one of the members and slidably connected to the other, a series of sharpened ice cutting points on the inner edge of each of said members, means for manually forcing the said members toward each other, and a base supported at the central portion of the device at the top and designed to slidably rest upon a cake of ice to support the implement in position over a cake of ice, for the purpose as stated.

1,504,947. CLAMP FOR BUMPER BARS. ROBERT A. FLUM and GEORGE R. REED, Kalamazoo, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Oct. 20, 1923. Serial No. 669,659. 5 Claims. (Cl. 293—55.)



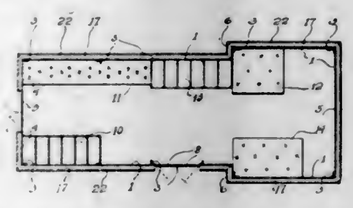
1. In a bumper, the combination, with a pair of front vertically spaced bars, of a bar spaced rearwardly from the first mentioned bars, a clamping device for connecting the last mentioned bar with the two first-mentioned bars, the said clamping device comprising a pair of opposed clamping plates each having at one end a seat for an edge of the third bar and each having at its opposite end a flanged portion adapted to engage the front face of one of the first two bars, respectively, each of said plates having a tapered surface, the said surfaces constituting a rearwardly convergent seat therebetween, clamping members adapted to cooperate with the rear or inner faces of the first two plates, the said members being connected by an intermediate portion having tapered surfaces engaging the convergent seat formed between the said plates, and means located between the said intermediate portion and the seats at the rear or inner ends of the clamping plates, for adjusting the said plates toward each other.

1,504,948. TOY BANK. ANTHONY FOLTA, Clarkson, Nebr. Filed Mar. 6, 1923. Serial No. 623,198. 2 Claims. (Cl. 46—36.)



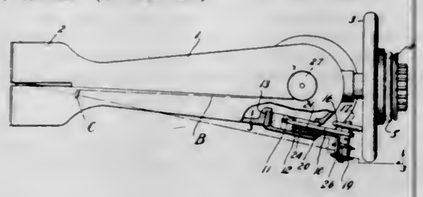
1. In a toy bank of the type described, a hollow support, a key locked sliding door mounted in the lower end of the support, said support having a coin chute therein, a bar pivotally mounted in the upper end of the support and carrying a head at its upper end, means carried by the lower end of the bar traversing the longitudinal axis of the coin chute adapted to be engaged by a coin for pivotally moving the bar and head, the pivotal mounting for the bar including lateral pins projecting therefrom, shoulders on the inner face of the support on which the pins are mounted, ball bearings interposed between the pins and shoulders, and straps secured to the shoulders and overlying the pins for retaining the latter on the shoulders.

1,504,949. ARMORED BODY FOR AUTOMOBILES, TRACTORS, CARS, AND LIKE VEHICLES. CLARENCE A. GIBBS, Hoboken, N. J. Filed June 10, 1922, Serial No. 567,257. Renewed Jan. 5, 1924. 15 Claims. (Cl. 89—36.)



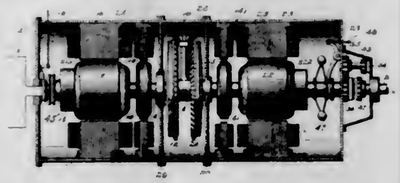
15. In a structure of the character described, an inner steel frame forming a body, a multiplicity of bullet proof panels fixedly secured to the outer face of said body, a safety vault secured at each side of the body, a series of deposit boxes secured at opposite sides of the body, doors secured at one side of the body, doors secured to the rear end of said body, bullet proof glass windows secured within each of said doors and within each side of the body, and steel shutters for each of said windows adapted to cover the same when in action.

1,504,950. BOBBIN WINDER. CHARLES H. GREENWOOD, Canton, Ohio. Filed Jan. 26, 1923. Serial No. 615,125. 6 Claims. (Cl. 242—22.)



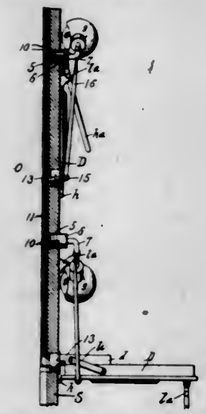
1. In combination with a sewing machine having a goose neck and head, a bobbin winder mounted upon the goose neck and provided with a horizontally disposed bobbin spindle located substantially transversely to the goose neck and disposed toward the operator of the machine.

1,504,951. DIFFERENTIAL TRANSMISSION. CHALMERS G. HALL, Washington, D. C. Filed May 11, 1921. Serial No. 468,673. 3 Claims. (Cl. 172—239.)



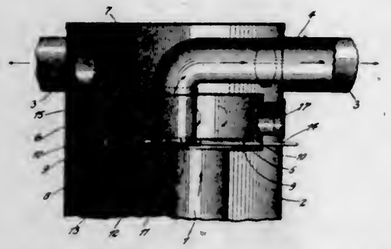
1. A mechanism comprising a differential gearing, interconnected electromagnetic units coupled to the respective sides of said gearing, exciters mechanically coupled to said electromagnetic units, the power circuits of said exciters being cross-connected to said units.

1,504,952. AUTOMATIC LIGHTING DEVICE. JACOB HIEB, Seattle, Wash. Filed Sept. 12, 1922. Serial No. 587,814. 3 Claims. (Cl. 240—5.)



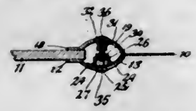
1. The combination with an oven and a hinged door for opening and closing the oven, of an electric circuit including a lamp, an arm carrying said lamp and a portion of said electric circuit, said arm being pivotally mounted in position to move the lamp into and out of the position in front of the oven, and means including a link for connecting said arm to said door so as to effect movement of said arm and its lamp when the door is opened and closed, said means also being automatically operable for opening and closing said electric circuit.

1,504,953. HOT-AIR FURNACE. GEORGE F. ISORIG, St. Louis, Mo., assignor of one-half to John G. Satterfield, St. Louis, Mo. Filed Dec. 10, 1923. Serial No. 679,559. 4 Claims. (Cl. 126—202.)



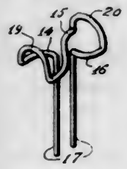
1. In a hot air furnace, the combination with a combustion chamber and a smoke outlet flue, of a drum opening into the combustion chamber and into the outlet flue, a baffle wall in the drum of greater diameter than the opening into the combustion chamber spaced from the bottom of the drum and from the side wall of the drum, and a spiral wall upon the baffle forming a tortuous passage from the edge of the baffle wall to the opening into the outlet flue.

1,504,954. FRAME FOR AUTOMOBILE CURTAIN WINDOWS AND THE LIKE. JOHN C. KAMP, Saugerties, N. Y. Filed Dec. 5, 1921. Serial No. 519,832. 4 Claims. (Cl. 296—145.)



3. A frame for an automobile curtain window and the like, comprising frame members adapted to engage with opposite sides of the fabric and pane, a clamping member arranged between said frame members and adapted to engage the fabric opposite to one of said frame members, and unitary means having parts for connecting said clamping member with the respective frame member and parts for connecting the frame members with each other.

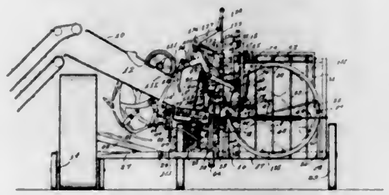
1,504,955. CAP BUTTON. WARREN F. KAYNOR, Waterbury, Conn., assignor to Waterbury Button Company, a Corporation of Connecticut. Filed Sept. 8, 1921. Serial No. 499,297. 16 Claims. (Cl. 24—96.)



1. In a uniform cap-button, a back, a shell, and a wire shank having a looped portion located between the back and the shell, said shank serving to positively space the shell from the back.

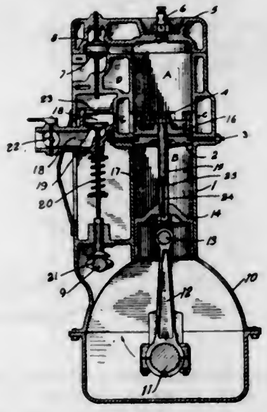
1,504,956. SHOCKER ATTACHMENT FOR BINDERS. MYRON P. KING, Blockton, Iowa. Filed Nov. 8, 1921. Serial No. 513,830. 12 Claims. (Cl. 56—4.)

1. In combination, a grain binder having a delivery chute and a pivoted tongue member with a grain shocking mechanism designed to receive bundles of grain from the chute of said binder, and to form them into a shock and deliver the chock to the ground, the said shocking mechanism being provided with a frame pivotally mounted on supporting wheels, said frame being provided with a laterally extending rigid member pivotally connected to the forward end of the pivoted tongue of said binder, and a pivoted laterally extending link substantially parallel with the first said rigid member, and pivotally connected to the rear end of said pivoted tongue.



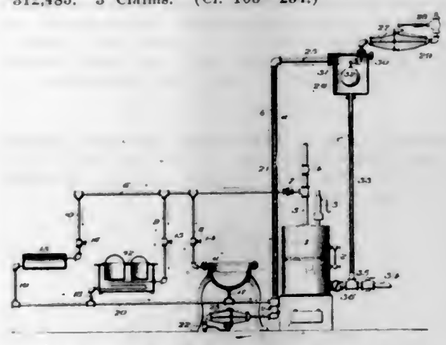
11. A shocker attachment for binders comprising a shock forming mechanism, means for moving bundles from a binder to the said forming mechanism, means for discharging a shock from the said forming mechanism to the ground surface in an upright position, means for discharging an extra bundle to the ground adjacent to the shock while the said shock is being discharged, and means for driving all of said mechanisms.

1,504,957. INTERNAL-COMBUSTION ENGINE. WILLETT J. LA TOURRETTE, Denver, Colo. Filed Oct. 2, 1923. Serial No. 666,058. 4 Claims. (Cl. 123—75.)



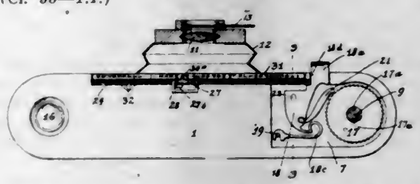
1. In an internal combustion engine; a cylinder; a partition member intermediate the end of said cylinder, said partition member having an opening; a crank casing connected to the lower end of said cylinder; a crank shaft rotatably mounted in said casing; a piston reciprocally mounted in each end of said cylinder, said pistons being connected by means of a rigid bar passing through the partition member; a crank pin on the crank shaft; means comprising a rod for connecting said crank pin to the lowermost piston whereby the rotation of the crank shaft will reciprocate the pistons; means for admitting air into the space between the pistons and the partition member as the pistons move away from said member; means for compressing air when the pistons move towards the partition member; and means for controlling the amount of air that enters the space between the upper piston and the partition member.

1,504,958. STEAM-HEATING SYSTEM. JAMES J. LAWLER, Pelham, N. Y. Filed July 22, 1919. Serial No. 312,485. 3 Claims. (Cl. 103—254.)



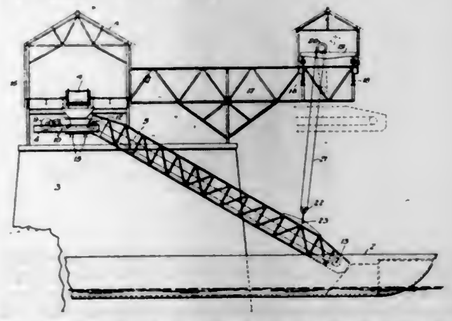
1. Means for effecting a flow of steam condensation comprising a steam generator, heating elements in communication therewith, a riser for condensation, a thermostatically controlled exhaust associated with the lower end of the riser, and a return pipe in communication with the upper end of the riser.

1,504,959. PHOTOGRAPHIC CAMERA. EINAR LESCHBRANDT, Philadelphia, Pa., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 10, 1919. Serial No. 303,133. 18 Claims. (Cl. 95—1.1.)



1. A film-roll camera having in one of its sides an exposing passage to permit light to enter to the film, a shutter movably mounted opposite said passage, a tape provided with characters, a guide member in which said tape is movable across the passage to permit different characters to be projected upon the film, and means for moving the film with a step-by-step movement relatively to said passage.

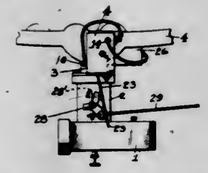
1,504,960. APPARATUS FOR LOADING BARGES. LEE LLEWELLYN, Dormont, Pa., assignor to Pittsburgh Coal Washer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1921. Serial No. 463,507. 3 Claims. (Cl. 214—14.)



1. In combination, a pool providing for flotation and movement of a receiving vessel, a superimposed structure and means supporting it thereover, a conveyor leading

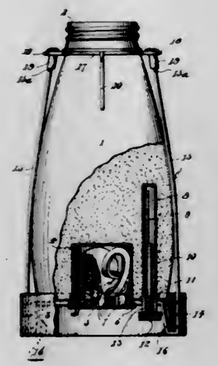
onto said structure and having a delivery terminal over the middle portion of the pool, a receiving and delivery conveyor having an upper turntable portion located below the first named conveyor and a lower vertically and laterally adjustable portion, an extension of the superimposed structure, and means thereon for raising, lowering and laterally moving the last named conveyor.

1,504,961. AIR HEATER FOR INTERNAL-COMBUSTION ENGINES. VERNE J. LUDWICK, Malta, Mont. Filed Mar. 11, 1922. Serial No. 543,123. 4 Claims. (Cl. 123—122.)



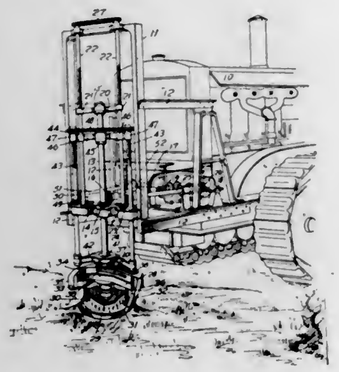
1. A device for admitting hot air to an intake manifold of an engine comprising, a closed casing, a tubular casing within said closed casing having one end open and extended through one side wall of the closed casing and further having means therein to provide a valve seat, a valve head on said seat, a stem extending from said head through the rear of said tubular casing, a spring positioned on said stem within said tubular casing and normally tending to open the valve, an opposing spring on and connected to said stem exteriorly of the tubular casing and normally tending to close the valve, means upon one side of said valve for conducting air into said tubular casing, means upon the other side of said valve for conducting hot air therefrom to said intake manifold, and a pivoted lever having one end traversed by said stem exteriorly of said tubular casing and further interposed between the tubular casing and one end of said last mentioned spring and adapted to be actuated simultaneously with other actuating mechanism of the engine to open or close said valve to control the passage of hot air therethrough to the intake manifold.

1,504,962. CARBIDE CAN. MIKE LUTENBERGER, Blocton, Ala. Filed Oct. 15, 1923. Serial No. 668,773. 1 Claim. (Cl. 220—12.)



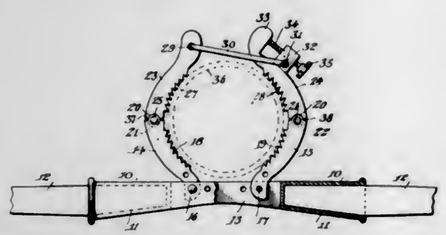
In a carbide can including a body having a removable upper end closure, a smaller receptacle set into the lower end of the can having a closure opening outwardly thereof, a relatively long tubular member extending into the lower end of the can, a lamp pick disposed in the tubular member, and a protector for the lower end of the can and the side walls thereof.

1,504,963. STUMP CUTTER. EDWIN A. MCKOY and GEORGE D. MOORE, New Orleans, La. Filed May 23, 1921. Serial No. 471,624. 10 Claims. (Cl. 144—2.)



1. The combination with a power plant, of a spindle journaled to rotate upon a vertical axis and to be moved longitudinally, simultaneously and independently from the power plant, a head carried at the lower extermity of the spindle, a lever fulcrumed upon the head upon one side of the spindle and extended to the opposite side, an arcuate cutting member carried by the lever with the fulcrum as its center of curvature, a sleeve slidable upon the spindle and controlling the movement of the lever on its fulcrum, and means actuated from the power plant for moving the sleeve.

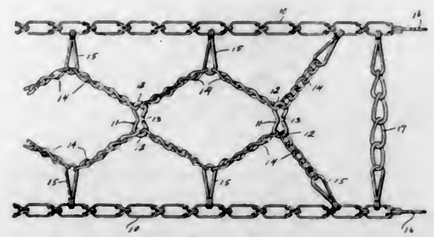
1,504,964. PIPE WRENCH. HOWARD R. NEWLAND, Bens Run, W. Va. Filed Mar. 30, 1923. Serial No. 628,738. 2 Claims. (Cl. 81—66.)



1. A wrench device comprising a stock adapted to support a lever handle, inner jaw devices swinging from said stock, outer jaw devices swinging from said inner jaw devices, a link member swinging at one end to one of said outer jaw devices, and means carried by the link member cooperating with the other outer jaw device to produce strain longitudinally of said link member.

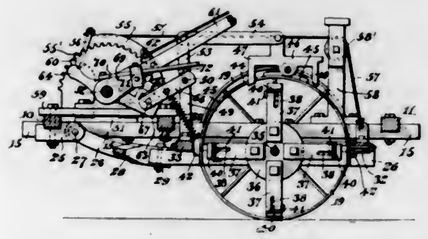
1,504,965. ANTISKID CHAIN. FRANK M. NIMS, Muskegon, Mich., assignor of one-fourth to Henry L. Gwatkin and one fourth to Floyd M. Gwatkin, both of Muskegon, Mich. Filed Mar. 21, 1923. Serial No. 626,561. 1 Claim. (Cl. 152—14.)

In an anti-skid chain, the combination with the usual spaced side chains, of spaced links arranged transversely of the side chains intermediate the same and provided at each end thereof with an eye, said eyes being arranged in a common plane and flatly opposing the tread of a tire to which the chain is attached, a pair of chains engaged with each eye and diverging from one another toward the adjacent side chain, adjacent chains of corresponding eyes of adjacent transverse links converging toward one another, and a hook link secured to each



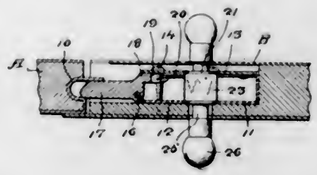
side chain intermediate each pair of adjacent transverse links, each hook link having engaged therewith the free ends of a pair of such adjacent chains.

1,504,966. WEEDER. MATHIAS OLSEN, Dutton, Mont. Original application filed Oct. 28, 1922, Serial No. 597,576. Divided and this application filed Sept. 5, 1923. Serial No. 660,991. 2 Claims. (Cl. 97—215.)



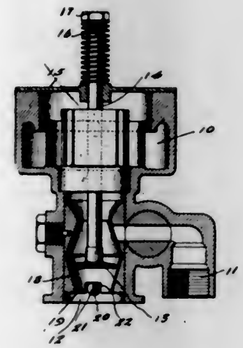
1. In an apparatus of the class described a drum device including a plurality of radiating arms, each of said arms having a longitudinally directed closed slot, a weed eradicating blade having studs extending from the ends and rotatively engaging in said slots, each of said studs having a laterally directed head adapted to pass through the slots when the blade is disposed in one position and to rotatively lock the blades to the arms when in another position.

1,504,967. LATCH. OLIVER H. ORENDORFF, Bloomington, Ill. Filed July 9, 1923. Serial No. 650,456. 3 Claims. (Cl. 292—228.)



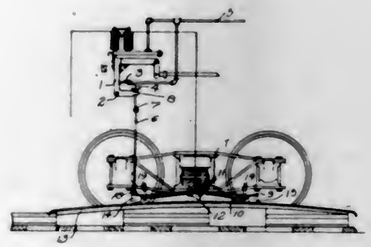
1. A latch device for a hingedly mounted door comprising a keeper mounted on the door frame, a casing carried by the door, a spindle rotatably mounted through the door and through said casing, a latch pivoted at one edge of the casing and co-operating with said keeper, a spring within the casing engaging the latch for urging it into an inclined position to clear the keeper, an arm pivoted within the casing and normally engaging the latch for holding it against movement to inclined position, a barrel on the spindle for moving said arm, and a spring within the casing in the path of movement of said arm for opposing movement thereof to its latch disengaging position.

1,504,968. ENGINE GOVERNOR. FRED OWENS, Somerset, Ky. Filed July 23, 1921. Serial No. 487,165. 1 Claim. (Cl. 137—152.)



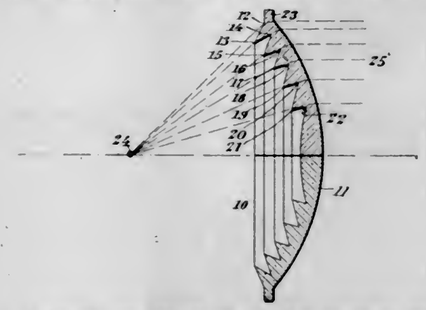
In combination with the fuel passage of an internal combustion engine, a governor comprising a sleeve located at the outlet end of the passage, said sleeve having a tapered bore with the restricted end of said bore disposed toward the outlet end of said passage and having diametrically spaced notches at its restricted end defining seats, a cylindrical rock-shaft extending transversely through the fuel passage within said seats and supporting said sleeve and a reduced flattened portion provided upon the shaft at its point of engagement with the seats, whereby rotation of the shaft will regulate the position of the sleeve.

1,504,969. RAMP SHOE. CHARLES A. PARKER, Haugan, Mont. Filed June 23, 1923. Serial No. 647,277. 5 Claims. (Cl. 246—192.)



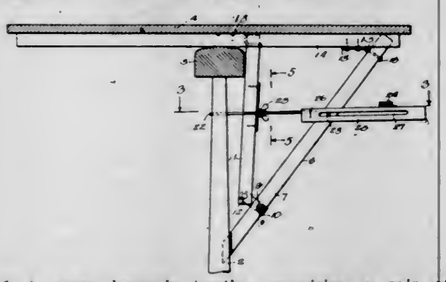
4. In a flexible resilient ramp shoe the combination with a pair of leaves rigidly joined together at one point and adapted for attachment to a support, a contact member having front and rear open ends and an attaching flange on said member located between the free ends of said leaves and attached to one of said leaves.

1,504,970. OPTICAL SYSTEM. EMILIO PASCUCCI, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed July 19, 1921. Serial No. 485,841. 4 Claims. (Cl. 240—106.)



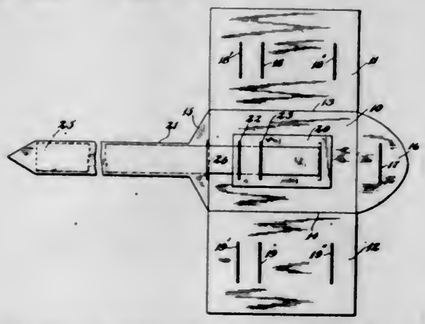
1. A Fresnel lens having on one face concentric zones united by miters, the miters being undercut, whereby they will be parallel to the path of the rays passing through the lens.

1,504,971. PAPER-HANGER'S STAIR TRESTLE. PAUL J. POLLNICK, Brooklyn, N. Y. Filed Sept. 24, 1923. Serial No. 664,541. 3 Claims. (Cl. 304—33.)



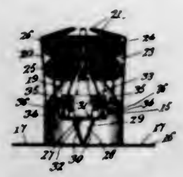
1. A paper hanger's trestle, comprising a pair of brackets for supporting a table, each of said brackets comprising a diagonal bracing bar, a vertical bracing bar, a hook adapted to engage a support, and tensioning means acting on said braces and on the hook for clamping the brackets rigidly to a support.

1,504,972. SAFETY ENVELOPE. JOHN POZIOMEK, Tarentum, Pa. Filed Dec. 6, 1922. Serial No. 605,218. 4 Claims. (Cl. 229—82.)



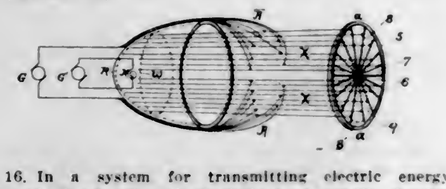
1. A safety envelope comprising a front part, a plurality of slotted flaps adapted to be folded upon said front part, a stiffener, means integral with one of said flaps and adapted to be successively passed through the slots in said flaps, and separate means engaging said stiffener for covering said first named means.

1,504,973. FUEL MIXER FOR INTERNAL-COMBUSTION ENGINES. CARL GUST PRYTS, Milbank, S. Dak. Filed Apr. 21, 1924. Serial No. 707,962. 3 Claims. (Cl. 48—180.)



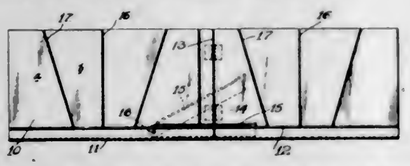
3. In a mixing device, a tubular member provided with two sets of spaced inwardly extending prongs; a bridge member removably positioned within said tubular member and provided with inclined gas deflecting surfaces, said surfaces being also provided with passages whereby a portion of said gas may pass through said member; a pair of fans provided with vanes arranged in the path of the gases deflected by said surfaces, whereby said fans may be caused to rotate; and a coiled spring arranged to form an annulus positioned and held between said sets of prongs.

1,504,974. SYSTEM FOR TRANSMITTING ENERGY WITHOUT WIRES. CONRAD RENO, Springfield, Mass. Filed Mar. 1, 1920. Serial No. 362,283. 54 Claims. (Cl. 250—1.)



16. In a system for transmitting electric energy through closed and confined wireless and metallic circuits, the method of endowing electrons with motion along the conductors of said circuits which consists in exposing each circuit to the action of a spirally revolving magnetic field.

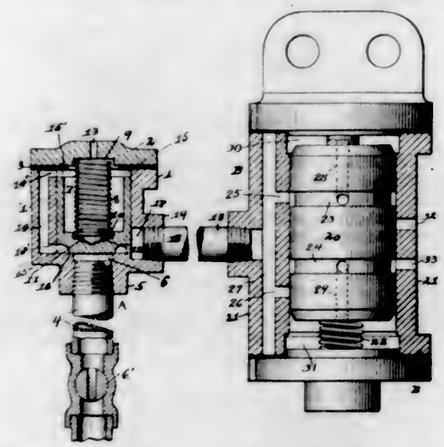
1,504,975. PATTERN FOR HALF-SOLE BLANKS. EUGENE E. RING, Minot, N. Dak. Filed Apr. 17, 1922. Serial No. 553,547. 2 Claims. (Cl. 33—5.)



1. A pattern of the character described formed in two sections, each section being formed of sheet metal, the sheet metal adjacent corresponding edges of each section being bent to form a flange, the sections being hinged to each other so that they may be turned over one upon the other, and means for locking the sections in aligned relation, said means being engageable with the flanges and extending across the joint between the sections.

1,504,976. STARTING VALVE. ROBERT F. RINGLE, Zelienople, Pa., assignor to Herman Pneumatic Machine Company, Zelienople, Pa., a Corporation of Pennsylvania. Filed July 25, 1919. Serial No. 313,232. 14 Claims. (Cl. 121—17.)

1. A starting valve comprising a casing having a chamber therein, an inlet passage, an outlet passage, an exhaust port, said inlet and outlet passages and said exhaust port communicating with the chamber, a reciprocable valve in the chamber, a resilient means for normally holding said valve seated over the inlet with the exhaust port open, said valve being movable to open position when the pressure on the inlet side thereof exceeds the resistance of said spring, said valve presenting an increased area to air pressure when so opened whereby less pressure is required to hold it open than to open it initially, said valve in its open position closing the exhaust port.



1,504,977. FILM-ROLL SUPPORT FOR CAMERAS. JOHN A. ROBERTSON and ROBERT KROEDEL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,987. 8 Claims. (Cl. 95—31.)



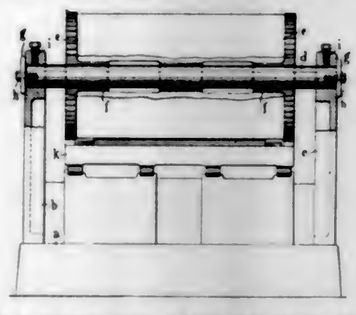
1. In a camera, the combination with a camera body comprising a shell and an inner frame spaced from the walls of the shell, of a bifurcated strip of resilient material mounted on the side of the frame and providing two arms, one of which is laterally flexible and fitted with a film spool center and the other of which furnishes a fixed bearing support for a guide roll for film supported on the film spool center.

1,504,978. LIQUID-LEVEL INDICATOR. THOMAS W. ROBBINS, Butte, Mont. Filed Mar. 22, 1921. Serial No. 454,537. 4 Claims. (Cl. 177—351.)

2. In a liquid level indicating apparatus, an elongated member adapted to be lowered into a liquid, electrical contact members arranged upon said member longitudinally thereof, means whereby an enclosure may be formed about the contact carrying member with restricted openings for admitting the liquid, a heating element disposed in said enclosure, and electrical circuits and indicating devices connected with said contact members whereby the height of liquid within the enclosure may be indicated at a remote point.



1,504,979. STIFFENING OF PRINTING PRESSES. MAX ROCKSTROH, Klein Sedlitz, near Pirna, Germany. Filed Oct. 12, 1920. Serial No. 416,585. 2 Claims. (Cl. 101—250.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

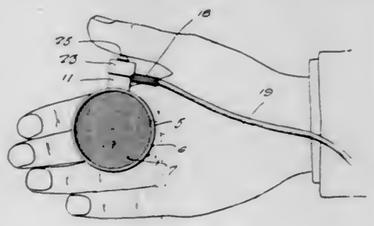


1. In a printing press, a base, side frames carried by and extending upwardly from said base, said side frames each having an aperture adjacent its upper end, an axle extending through said apertures, each end of said axle having means associated therewith and engaging the outer side of one of said frames to prevent said frames from spreading, each of said frames having means associated therewith and engaging said axle to secure said axle against rotation, and a pressure cylinder rotatably mounted on said axle.

1,504,980. ELECTRIC LAMP. JOHN SCHULTZ, New Britain, Conn. Filed Dec. 7, 1923. Serial No. 679,146. 4 Claims. (Cl. 177—329.)

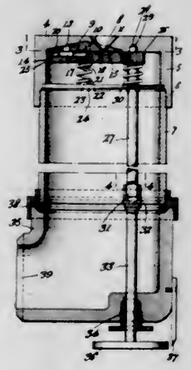
4. A signal and illuminating lamp of the character described comprising a lamp casing of cup shape having its open end closed by means of a lens plate, a tube extending through the top of the casing and having means upon its inner end within the inner casing for detachable supporting engagement with the base of an electric lamp, a switch including a plug fitted within the upper

end of said sleeve, said switch further embodying a longitudinally movable switch rod normally in circuit breaking position and depressible longitudinally of the sleeve for closing a circuit, said switch rod being exposed at the upper end of the sleeve, and means to attach the back of the lamp casing against the back of the index and forefingers of the user's hand with the switch carrying sleeve inclined upwardly and inwardly toward the user's thumb, said sleeve being also inclined upwardly and toward the back of the lamp casing for facilitating engagement of the switch rod by the thumb, the means for attaching the lamp by the fingers com-



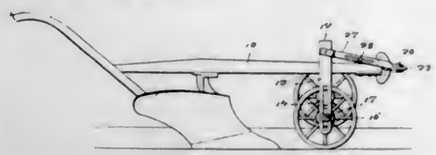
prising a vertical plate fixed to the back of the lamp casing and having vertically aligned slotted flanges, and an adjustable elastic band threaded through the slots of said flanges, and a bracket including an upstanding member positionable through the slots of the plate for supporting the lamp casing at the side or from the dash board of a vehicle with the closure plate presented toward the side or dash board of said vehicle, said lamp casing having a window in a side thereof, said bracket further including a horizontal lower and intermediate portion upon which the lamp casing is adapted to rest when the upstanding member of said bracket is positioned through the slots of the plate flanges.

1,504,981. OIL BURNER. DUNCAN I. SELFRIDGE, Strafford, Pa. Filed Dec. 1, 1923. Serial No. 677,975. 3 Claims. (Cl. 299—119.)



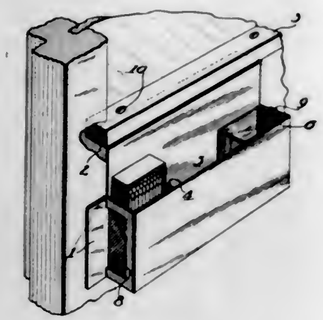
1. An oil burner comprising a tip having an oil escape opening, a member rotatably mounted within the tip and eccentric to the tip with separate oil chambers therein of varying capacities and having ports in said member to register with the escape opening, said ports being of different sizes in proportion to the respective chambers, said member having tangential grooves or ducts connecting with the chambers and with the interior space of the burner, and means to rotate the member.

1,504,982. PLOW ATTACHMENT. HAROLD A. SHANER, Muncy, Pa. Filed Aug. 2, 1922. Serial No. 579,208. 4 Claims. (Cl. 97—131.)



2. An attachment for plows, comprising a cross member formed at its ends with arches having their outer arms slotted, wheels journaled within the arches and having their spindles adjustably mounted along said slots, and adjustable braces connected with the cross member and with the beam.

1,504,983. SMOKING SET. ADOLPH J. SHARY, Los Angeles, Calif. Filed Aug. 14, 1923. Serial No. 657,279½. 1 Claim. (Cl. 206—31.)

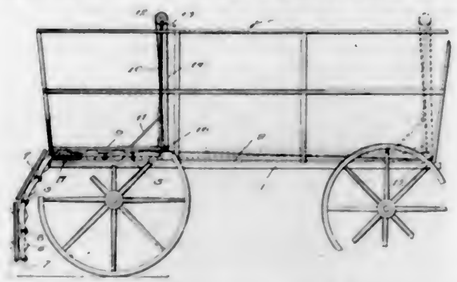


A smoking set comprising a receptacle having an end wall provided with an opening, a partition wall disposed transversely of the receptacle and spaced from the end wall thereof which is provided with the opening, a match box body support mounted upon the bottom of the receptacle and located between the partition wall and the end wall of the receptacle which is provided with the opening, means for attaching the receptacle to the frame work of an automobile machine, said receptacle having at its rear side a flange which is disposed beyond that end of the receptacle having the opening, said flange having end portions which extend above and below the upper and lower edges of the opening and the said flange adapted to bear against the frame of the body of the automobile machine.

1,504,984. LOADING DEVICE. CHARLES H. SHEDENHELM, Fremont, Ohio. Filed Sept. 29, 1922. Serial No. 591,377. 1 Claim. (Cl. 214—83.)

In combination with a wagon, pivotally inter-connected carriages consisting of substantially U-shaped body portions having downwardly disposed lips formed upon their inner sides and forwardly and rearwardly disposed bearing arms, rollers rotatably mounted between said forwardly and rearwardly disposed bearing arms, tracks disposed longitudinally of the wagon floor in parallel relation for receiving said carriages, the downwardly disposed lips of the body portions of said carriages engaging the inner sides of said tracks, platforms arranged upon the upper portions of the body portions of said carriages and inter-connecting certain of the same, standards fixedly mounted upon one of said platforms, a windlass rotatably mounted in the upper ends

of said standards, a cable disposed longitudinally of the wagon floor having the forward end thereof connected to the forward end of the wagon floor, a contractile



spring connected to the remaining end of said cable and to the rearward end of the wagon floor, the intermediate portion of said cable passing upwardly and being coiled about said windlass, as and for the purpose set forth.

1,504,985. COMBINED HOLDING AND COUPLING DEVICE. JOHN N. SHELLER, Danville, Ill. Filed Nov. 7, 1923. Serial No. 673,304. 4 Claims. (Cl. 241—11.)



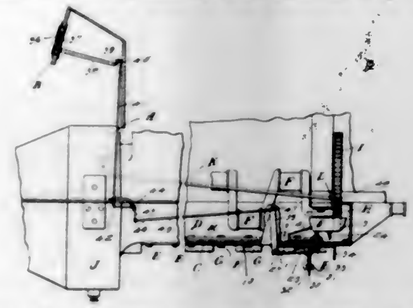
1. A combination holding and coupling device comprising an integral holding and an integral connection section, said holding section consisting of a vertically disposed rectangular frame formed of flat top, bottom, front and rear bars and providing a rectangular opening for the passage of a belt, said frame having its rear bar provided with a plurality of rigid piercing barbs and a rearwardly extending threaded shank, and said connecting section consisting of a disk and a tapered extension having its reduced end projecting rearwardly from the disk thereby providing in connection with the disk a peripheral groove gradually increasing in width outwardly and providing means for the connecting of a suspender with the connecting section, said connection section having means cooperating with the threaded shank for detachably connecting the sections together and further for coupling the device in position.

1,504,986. PROCESS OF TREATING NITRATED CARBOHYDRATES. WALTER O. SSELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Mar. 21, 1921. Serial No. 454,207. 36 Claims. (Cl. 52—20.)

1. The process which comprises subjecting a nitrated carbohydrate to the action of a reducing agent in weak solution at a temperature in excess of 60° C.

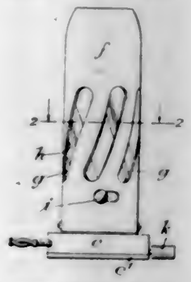
1,504,987. LUBRICANT INDICATOR. JOHN W. SOFGE, South Jacksonville, Fla. Filed Apr. 8, 1922. Serial No. 550,796. 8 Claims. (Cl. 184—11.)

8. A lubricant indicating mechanism for an internal combustion engine including a receptacle depressible by gravity on accumulation of lubricant therein, balls pivotally mounting said receptacle within the engine, said receptacle having an outlet port, a valve for said outlet port having a stub depending therethrough for engagement with an obstruction, said receptacle having an inwardly extending dome, a stem depending from said



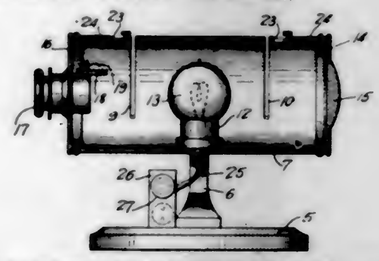
dome, a lever disposed exteriorly of the engine, a bolt extending through the lever, said stem being in engagement with said lever, a spring on said bolt urging said lever upwardly, a crank arm on said lever, and indicating mechanism operable through movement of said crank arm.

1,504,988. APPARATUS FOR PERMANENTLY WAVING THE HAIR. HUBERT SPEETJENS, Kensington, London, England. Filed Apr. 20, 1922. Serial No. 555,720. 4 Claims. (Cl. 219—14.)



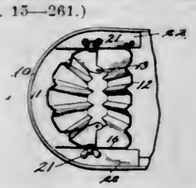
1. A tubular electric heater for hair waving formed with venting apertures or slots capable of being regulated by an adjustable sleeve or shutter.

1,504,989. STEREORADIOSCOPE. BENJAMIN L. SPITZER, New York, N. Y. Filed Apr. 8, 1921. Serial No. 459,778. 3 Claims. (Cl. 88—29.)



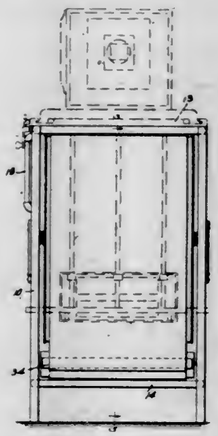
1. An instrument of the character described comprising a tube having negative receiving slots near opposite ends, illuminating means arranged in the tube between the slots and in line with the negative and magnifying means at opposite ends of the tube through which negatives placed in the slots may be viewed, one of said magnifying means being stereoscopic.

1,504,990. MOP WRINGER. JOSEPH W. STAFFORD, Atlanta, Ga. Filed Aug. 9, 1922. Serial No. 580,684. 4 Claims. (Cl. 15—261.)



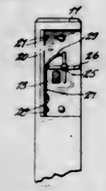
4. A device of the character described, comprising a pair of corrugated members one of which is curved and the other substantially flat in general contour, said members being in angular relation to one another and means adapted to support said members in a vessel with either the flat or curved member resting against the wall of the vessel.

1,504,991. DRYING MACHINE. JOSEPH STERN, New York, N. Y. Filed June 2, 1921. Serial No. 474,328. 10 Claims. (Cl. 34—5.)



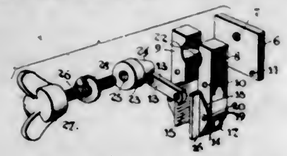
2. In a drying machine, a drying drum, a belt passing around said drum and forming means for driving said drum, an electric motor for driving said belt, means for heating said drum, said heating means being operable during operation of the drum, and means for automatically cuting off the supply of heat to the drum upon cutting off the power thereof.

1,504,992. GATE LATCH. BENJAMIN F. STEWART, Tuff, Tex. Filed July 16, 1923. Serial No. 651,875. 1 Claim. (Cl. 292—340.)



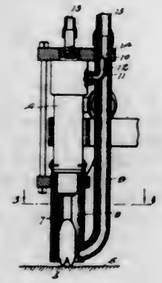
A keeper of the character described, comprising a body portion rotatively mounted on a gate post, radially projecting wings or fingers carried by said body portion, a leaf spring mounted independent of said keeper, one end of said leaf spring being curved in the arc of a circle to provide a pawl, said pawl having its free end projecting between certain of said wings or fingers to prevent rotation of said keeper in one direction, and said pawl being curved in the arc of a circle of smaller diameter than a circle embracing the outer ends of said wings or fingers whereby it will yieldingly permit rotation of said keeper in the other direction, substantially described.

1,504,993. FUSE-CLIP CLAMP. PETER STRUGHOLD, St. Louis, Mo. Filed Dec. 10, 1923. Serial No. 679,808. 7 Claims. (Cl. 200—134.)



1. A fuse clip clamp comprising a base plate, a pair of clamping jaw shanks pivotally mounted on and extending inwardly from said plate, a clamping jaw pivotally connected to and projecting from the inner end of each shank and having a clamping face arranged at the inner side of a shank, said clamping faces opposing each other, a coupling bar for said shanks, a wedge element operating between the shanks for shifting said jaws into clamping position, and means extending through said element and engaging with the base plate for operating said wedge element.

1,504,994. DUST REMOVER FOR STONE-DRESSING MACHINERY. EDWARD M. TOBIN and EMMET M. WHITE, Barre, Vt. Filed Apr. 14, 1922. Serial No. 552,666. 2 Claims. (Cl. 125—8.)

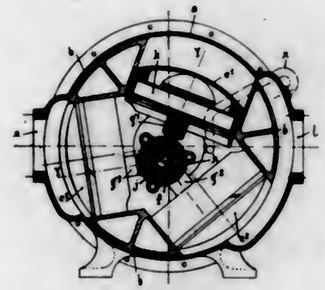


1. The combination with a stone dressing machine operated by compressed air, of a hood almost encircling the tool of the machine whereby an open slot is provided, a suction tube arranged with one end positioned adjacent said slot, said end being substantially round, a pipe extending from the exhaust of said machine into said tube, said pipe having a section extending centrally of and parallel to the tube whereby the discharge from the pipe will be centrally of the tube and in a direction away from the end positioned adjacent said slot, and means connected with the end of the tube opposite that arranged adjacent the slot for guiding the dust and air from the tube to a discharge point.

1,504,995. SUCTION AND DELIVERY PUMP OF THE ROTARY TYPE. PAUL VOREAUX, Paris, France, assignor to Societe Anonyme Bavox, Paris, France. Filed Aug. 10, 1922. Serial No. 581,001. 2 Claims. (Cl. 103—161.)

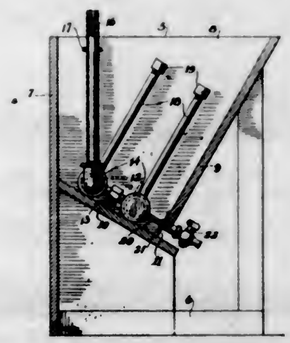
1. A rotary apparatus comprising a stationary casing, a unit set of revoluble cylinders, pistons movable within said cylinders and actuated by the movement of the latter, piston rods independent of each other whereof

the ends are in contact and staggered in the lengthwise sense, a stationary shaft in eccentric position with respect to the axis of rotation of said cylinder set and



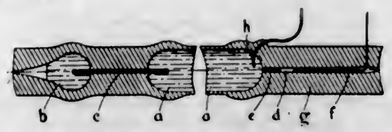
extending through the ends of the piston rods, and means permitting said pistons to rotate upon said eccentric shaft while sliding within the cylinders.

1,504,996. AUTOMATIC STEAM SAND DRIER. JOHN PINCKNEY VOSS, Dubach, La., assignor of one-half to Vanda Arthur Davidson, Dubach, La. Filed Jan. 17, 1924. Serial No. 686,828. 9 Claims. (Cl. 34—34.)



6. In a drier, a box having vertical end and back walls, a front wall inclined upwardly and forwardly, and a bottom inclined downwardly and forwardly and perpendicular to the front wall, said front wall having its lower edge spaced from the bottom to form a discharge slot for the sand, and a heating device in close proximity to the inclined front wall.

1,504,997. MINUTE CAPILLARY TUBE APPLICABLE TO TEMPERATURE SUDDEN-CHANGE ELECTRIC-CIRCUIT CLOSERS AND OTHER INSTRUMENTS. CHARLES LESLIE WALKER, Aberdeen, Scotland. Filed Sept. 19, 1923. Serial No. 663,718. 8 Claims. (Cl. 200—141.)



3. A combination comprising a vitreous container formed with compensation and overflow passages, a charge of mercury therein, a platinum capillary tube sealed into said compensation passage, and second platinum capillary tube sealed into said overflow passage.

1,504,998. SEPARABLE BUTTON. WILLIAM WEINBERGER, New York, N. Y. Filed May 16, 1924. Serial No. 713,756. 3 Claims. (Cl. 24—108.)



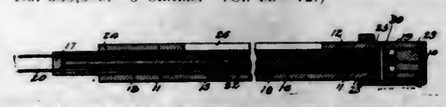
1. A separable button, comprising a head portion, an auxiliary portion linked to said head and having a projecting shank, and a co-operating receiving member adjustable over said shank and comprising an inside member having a raised central part and a center opening, a disk attached to the under face of said raised parts and having a plurality of radial cuts projecting from the center point, whereby movement of said shank through the center point will cause the points of the material between the cuts to spring in the direction of the movement of the shank and to bite into the surface of the latter when the attempt is made to move it axially in the opposite direction.

1,504,999. ATTACHMENT FOR WELL-DRILLING TOOLS. LESTER M. WENTLING, Foxburg, Pa., assignor of one-eighth to Rayburn Reichart, Parkers Landing, Pa.; one-eighth to Donald G. Jordan, St. Petersburg, Pa.; one-eighth to James Wentling and one-eighth to Albert L. Nevel, both of Foxburg, Pa., and one-fourth to C. E. Harrington, Kittanning, Pa. Filed MAR. 14, 1923. Serial No. 625,052. 4 Claims. (Cl. 255—16.)



2. A device for the purpose indicated comprising a tubular casing, a rod slidably engaged in said casing, a plurality of compression springs surrounding the rod, washers slidably mounted on the rod and interposed between the compression springs, a split bushing mounted on the rod adjacent the lower end, and means for securing said bushing in place and constituting a thrust for said compression springs.

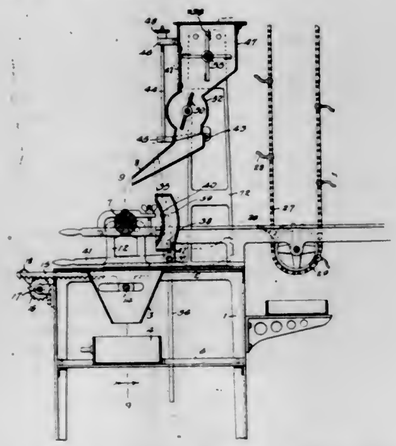
1,505,000. FILM OR PLATE HOLDER. EMMETT EDWIN WHITING, Wabasha, Minn. Filed May 13, 1922. Serial No. 560,689. 6 Claims. (Cl. 95—72.)



1. A film or plate holder comprising a member with which the films or plates are detachably associated, a light excluding envelope having one open end adapted to

telescopically receive the carrier member, and a frame having one open end and a window opening in one side adapted to telescopically receive the envelope with the film carrier member arranged therein whereby the films or plates are positioned with respect to the window opening for exposing therethrough upon withdrawal of the envelope from the frame.

1,505,001. ROTARY BAKING MACHINE. CARL WIMSON, New York, N. Y. Filed May 2, 1923. Serial No. 636,181. 13 Claims. (Cl. 107—1.)

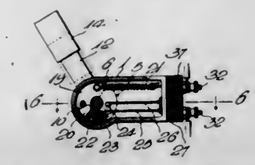


2. A baking machine, comprising a roller, means for rotating the roller, a burner, means for relatively moving the roller and burner in respect to each other to vary the distance therebetwe n, means including a spout for directing batter onto said roller, and means for adjusting the discharge end of said spout so as to regulate the space on the roller receiving the batter.

3. A baking machine, comprising a rotatable baking roller, means for discharging batter onto said roller, means for cooking the batter on the roller, a runway arranged adjacent said roller, means for discharging the roller onto said runway, and a conveyor for conveying the roller to a distant point after it has been discharged onto said runway.

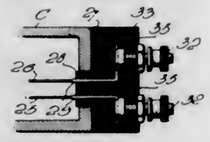
12. In a baking machine of the character described, a baking roller for receiving the batter to be baked, a pair of carriages for rotatably supporting said roller, a rack extending from each of the carriages, a pinion meshing with each of said racks, a shaft rigidly connected with each of said pinions, means for supporting said shafts, and means for rotating said shafts for moving said racks and carriages.

1,505,002. RAILWAY SIGNAL SWITCH. GEORGE ZINT, Wapakoneta, Ohio. Filed Mar. 26, 1923. Serial No. 627,773. 4 Claims. (Cl. 246—250.)



1. A circuit controlling device comprising a casing adapted to be stationarily mounted at one side of a railway rail, a pivoted vertically swinging arm at the outer side of said casing consisting of a relatively stationary lower section and a normally raised downwardly yieldable upper section, means for swinging said arm normally upward to an inclined position in the path of a car wheel, whereby a wheel traveling in one direction will swing the entire arm downwardly whereas a wheel moving in the other direction will merely depress said upper section of the arm, and a circuit controlling means in the casing operated by said arm.

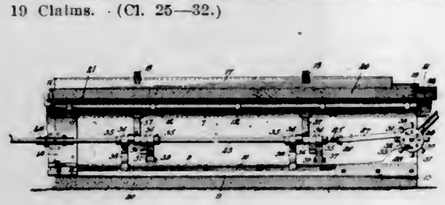
1,505,003. CONTACT-MOUNTING MEANS. GEORGE ZINT, Wapakoneta, Ohio. Original application filed Mar. 26, 1923, Serial No. 627,773. Divided and this application filed Jan. 2, 1924. Serial No. 683,975. 2 Claims. (Cl. 200—166.)



1. In a contact mounting means, a pair of insulators secured together and having openings out of alinement with each other, a contact passing through the opening of one insulator and having a lateral end clamped between the two insulators, and a binding post in the opening of the other insulator having a grooved head whose groove receives said lateral contact end.

2. A structure as specified in claim 1; one of said insulators being grooved to receive a portion of said lateral contact end.

1,505,004. CONDUIT MOLD. THOMAS DE LA MARE, Tooele, Utah. Filed Sept. 20, 1920. Serial No. 411,642. 19 Claims. (Cl. 25—32.)

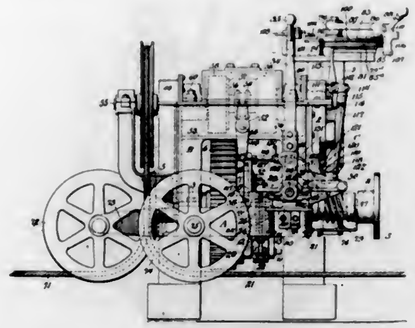


9. Apparatus for molding a continuous concrete conduit in a trench comprising an expansible shell, and means for expanding and contracting said shell, said means comprising a pull rod extending axially of the shell, a plurality of toggle arms secured against longitudinal movement on the pull rod and extending substantially radially of the shell and fixed at their outer ends to the inside of the shell, means for moving the pull rod, said means being self-locking when the shell is expanded to approximately its maximum, and means for positively locking the pull rod moving means whereby the shell may be maintained intermediate the expanded and contracted states.

1,505,005. POWER SETWORKS FOR SAWMILL CARRIAGES. GEORGE WASHINGTON DORMAN, Everett, Wash., assignor to Sumner Iron Works, Everett, Wash., a Corporation of Washington. Filed June 10, 1918. Serial No. 239,158. 13 Claims. (Cl. 143—120.)

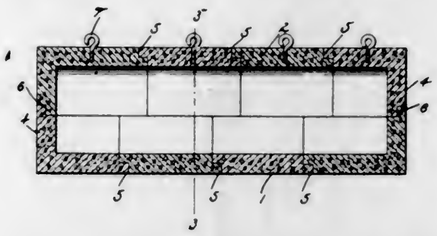
1. In power set works for saw mill carriages, a shaft for effecting movement of the saw carriage knees, another shaft driven at a low speed by the first shaft, a disk secured to the second shaft, an index provided on the face

of said disk, a ring having a scale thereon and mounted upon the disk, a bracket secured upon a fixed support, another bracket secured to the ring and having a slot, and a



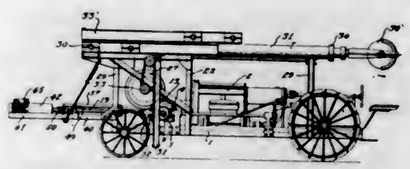
securing element passing through the two brackets and received within the slot for permitting limited adjustment of the ring relative to the disk.

1,505,006. BURIAL VAULT. HERBERT WILLIAM COLLINS, Grand Forks, British Columbia, Canada. Filed July 31, 1922. Serial No. 578,720. 1 Claim. (Cl. 72—7.)



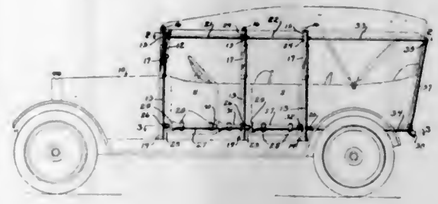
A burial vault of the class described comprising a body and a top, each composed of a plurality of sections made of concrete, the middle sections being of channel form and the end sections having end walls, said sections being connected together by lap joints and the top being connected with the body by a lap joint which is formed in the straight abutting edges of the sides and ends of the top and body and handles on the sections of the top so that the top can be put in place a section at a time.

1,505,007. WELL-PULLING APPARATUS. CLARENCE E. COX, Warren, Ohio, and OMAR E. JONES, Franklin, Pa. Filed June 6, 1922. Serial No. 566,262. 4 Claims. (Cl. 255—35.)



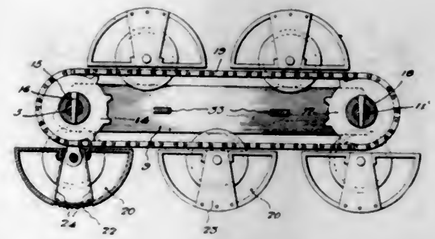
1. A well-pulling apparatus comprising a tractor; a source of power mounted thereon; means mounted on the tractor for handling and placing pipe sections; and a support for a pipe wrench, comprising a frame, having a portion hingedly connected with the tractor whereby the pipe wrench may be folded into a position to permit unobstructed use of the pipe-section-handling means.

1,505,008. WIND AND DUST SHIELD. MICHAEL CURRAN, Danville, Pa. Filed May 10, 1923. Serial No. 638,022. 2 Claims. (Cl. 280—15.)



1. The combination with a touring car of the phaeton type, of substantially vertical troughs arranged on the sides of the vehicle between, in front of, and in rear of the doors respectively, said troughs having their open sides facing the front, and having outlets through their bottoms, and conduits connected with the outlets and leading to the rear of the vehicle, said conduits having separate intermediate sections secured to the doors with the ends of said intermediate sections spaced from the remaining portions of the conduits sufficiently to permit the doors to open.

1,505,009. TRUCK. FELIX DE BORGGRAVE, Chicago, Ill. Filed May 13, 1921. Serial No. 469,258. 1 Claim. (Cl. 180—9.1.)

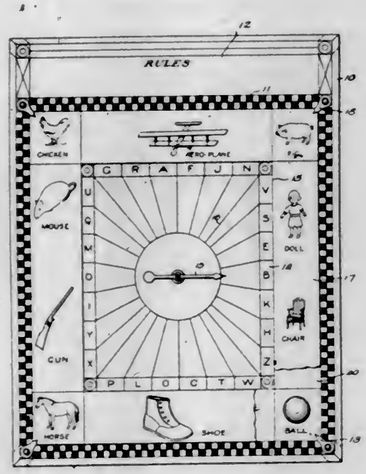


In a motor vehicle, the combination of a chassis, propelling means for the vehicle including road surface engaging elements each comprising a semi-circular body, serrated road engaging plates attached thereto at right angles to their flat sides, an end brace attached to each body, radial braces upon the interior of the body, and means for imparting movement to the propelling means.

1,505,010. EDUCATIONAL GAME. JAMES H. DEEN, New York, N. Y. Filed July 31, 1923. Serial No. 654,899. 7 Claims. (Cl. 46—63.)

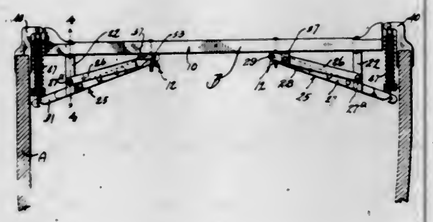
1. In an educational game, a game board having a band of letters marked thereon enclosing an area, a spinner mounted in said area for indicating the different

letters in said band, a band of objects marked on a plate shaped for enclosing said band of letters, said



objects suggesting words for spelling by the use of the letters indicated by the spinner, and means mounted on the board for retaining said plate in position.

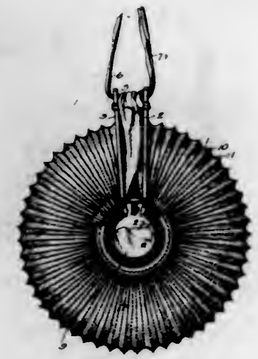
1,505,011. ADJUSTABLE SEAT ARRANGEMENT FOR VEHICLE BODIES. HENRY J. DERY, Sanborn, N. York. Filed May 15, 1922. Serial No. 561,100. 8 Claims. (Cl. 155—9.)



1. In a seat structure, the combination with a vehicle body, of a seat member, collapsible supporting arms pivotally connected to said seat member, means resiliently connecting said arms at their free ends to said vehicle body, and clamping means upon said seat member for maintaining the supporting arms collapsed thereon, whereby said seat may be supported in elevated position from said vehicle body.

1,505,012. HAND BAG. GABRIEL DISTEFANO, Brooklyn, N. Y. Filed July 27, 1923. Serial No. 654,250. 5 Claims. (Cl. 150—28.)

1. A hand bag, comprising a body formed arc-shaped in cross section and bent to produce a ring effect, a frame connected to each end of said body, means for connecting said frames together, said means including a pair of binding wires connected to said body and acting



as hinges for the frames, and a covering member for covering said wire and the center of said body when formed in a ring.

1,505,013. SCRAPER AND TAMPING ROD. JOHN JAMES DIXON, Barrackville, W. Va. Filed July 11, 1923. Serial No. 650,928. 5 Claims. (Cl. 86—21.)

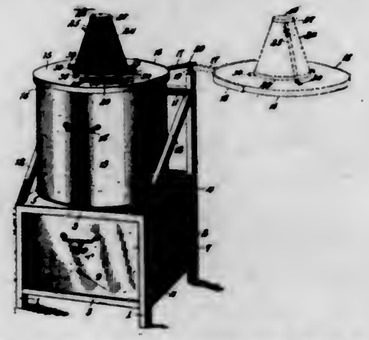


1. A device of the class described comprising a stem, a tamping head formed on one end of said stem, a cap removably secured to said head, an extension carried by said stem at the end opposite to said head, and a scraper removably secured to said extension.

1,505,014. COMBINATION GARBAGE CAN. ALEXANDER G. DUNCAN, deceased, late of Cedar Rapids, Iowa, by Harold W. Duncan, administrator, Cedar Rapids, Iowa, assignor to Harold W. Duncan, Cedar Rapids, Iowa. Filed June 17, 1921. Serial No. 478,313. 4 Claims. (Cl. 43—120.)

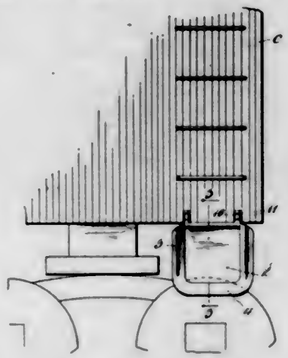
1. The combination with a garbage can haging a lid provided with an elevated, substantially circular boss having a screened opening therein, a series of rests secured to the lid in spaced relation to the periphery of said boss, an inner wire cone supported by said rests and

having an opening at the top and bottom, the opening at the bottom being of a greater diameter than said boss, whereby an entrance to said cone is provided between it



and the boss, and an outer wire trap body closed at the top and provided with supporting frame work detachably secured to the lid above and around the inner cone.

1,505,015. CAR STEP. JAMES DUNLAP, Jr., East Pittsburgh, Pa. Filed July 19, 1923. Serial No. 652,652. 11 Claims. (Cl. 105—443.)



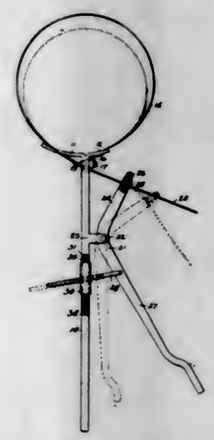
2. A car step comprising a body portion having concavo-convex flanges upon the forward portions of the opposite sides thereof adapted to direct the foot of a user into engagement therewith, and a downwardly extending flange formed upon the forward portion of the bottom thereof.

1,505,016. REFRIGERATOR DISPLAY COUNTER. ALBERT H. EHRLICH, St. Joseph, Mo. Filed Oct. 12, 1921. Serial No. 507,255. 1 Claim. (Cl. 62—69.)



An ice container of substantially rectangular form, the side walls thereof being provided with vertically arranged recesses and a transverse recess arranged in the bottom thereof, the said transverse recess converging to approximately half the height of said container, drainage cocks arranged at the bottom of said container on either side of said transverse recess, and an outlet for said container, said outlet being arranged at an approximately horizontal line with the highest part of the said transverse recess.

1,505,017. PISTON-RING TOOL. HENRY A. G. FORNELIUS, Clifton, N. J. Filed Jan. 19, 1923. Serial No. 613,757. 3 Claims. (Cl. 29—86.4.)



1. A piston ring tool comprising a shank, a flexible resilient strip secured at one end to one end of the shank, a plurality of spaced guide means formed at the said end of the shank through which the free end of the strip is trained and by which said strip is engaged at circumferentially spaced points whereby to maintain the same in ring form, and means pivoted to the shank having connection with the free extremity of the strip for effecting circumferential contraction and expansion of the strip upon manipulation of the said pivoted means.

1,505,018. HEADLIGHT CONTROL. JOHN B. GIACHETTO and BENJAMIN TEX, Kincaid, Ill. Filed Sept. 7, 1923. Serial No. 661,454. 1 Claim. (Cl. 74—39.)

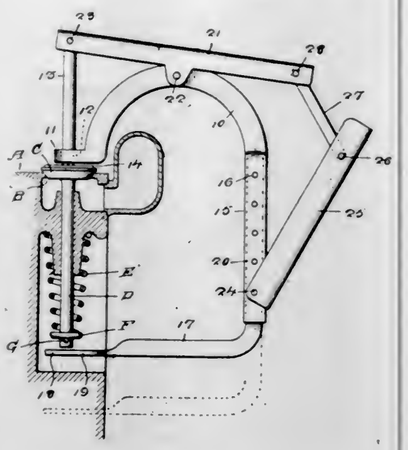


A clamp comprising a flexible strap which is centrally bent upon itself to provide an eye for a shaft and having lapping portions projecting from the eye which are connected and which are further formed with projections providing arms each of which terminating in straight extensions and one of said extensions being lipped, a nut on the last mentioned extension, and a bolt passing through both extensions and engaging the nut.

1,505,019. VALVE-SPRING LIFTER. PAUL S. GRAHAM, Winters, Tex. Filed Dec. 23, 1922. Serial No. 608,739. 2 Claims. (Cl. 29—86.3.)

1. A valve spring lifter comprising a pair of bars slidably adjustably connected, one bar terminating in an extension engageable upon the valve and the other terminating in a forked extension engageable slidably upon the valve stem, a lever pivoted upon one of said bars, a stem slidable through said extension and carrying a

disk engageable upon the valve, the free end of said stem being pivotally connected with one end of said lever, a second lever pivoted upon said second named



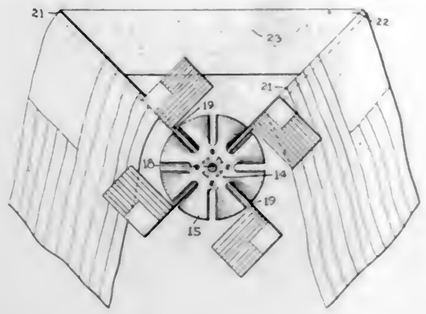
bar and a link pivotally connected with the other end of said first named lever and the free end of said last named lever.

1,505,020. HEADER FELT. ERNEST M. GUILLAUME, Worcester, Mass., assignor to The Felters Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1923. Serial No. 669,420. 4 Claims. (Cl. 20—52.)



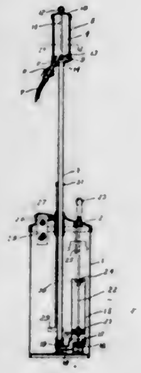
1. The combination with a window frame having a channel in which a glass pane slides, of a header for the upper portion of the channel, comprising a strip of material adapted to be seated in the channel, and a secondary strip of compressible fibrous material imposed upon the first-mentioned strip, and means arranged longitudinally of both strips for securing them together under tension, whereby the compressible strip is compressed to form a groove for receiving an edge of said pane.

1,505,021. ORNAMENTAL DISPLAY DEVICE. DODSON HASLUP, Grafton, W. Va. Filed Oct. 30, 1923. Serial No. 671,682. 3 Claims. (Cl. 248—37.)



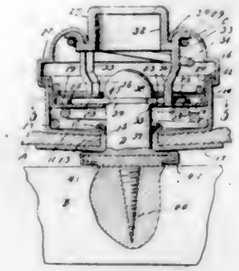
1. In a device of the class described, an adjustable clamp adapted to be secured to a support, a bracket secured to one end of the clamp, a wind wheel mounted for rotation in said bracket, and a plate spaced from said bracket and forming therewith a clamp for flag staffs.

1,505,022. DISPENSING APPARATUS FOR LUBRICATING OILS AND THE LIKE. WILLIAM T. HATMAKER, Dayton, Ohio, assignor to The National Recording Pump Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 1, 1920. Serial No. 362,186. 2 Claims. (Cl. 221—100.)



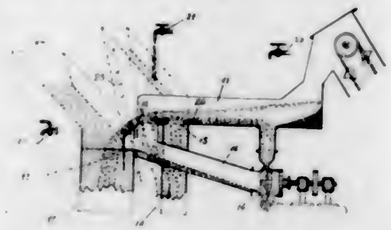
1. A liquid dispensing apparatus, comprising a portable main receptacle, a discharge conduit carried by and extending above said main receptacle, a delivery receptacle supported by and communicating with said discharge conduit at a point above said main receptacle and having an outlet near the bottom thereof, a pump cylinder mounted within said main receptacle and communicating with said discharge pipe, a piston mounted in said cylinder, a rod connected with said piston and extending beyond the end of said receptacle, a stop extending from the wall of said main receptacle, and a lug carried by said piston rod adapted to be moved into and out of alinement with said stop rod by the rotation of said piston rod.

1,505,023. SELF-EJECTING FASTENER. JOSEPH F. HENCH, Waterbury, Conn. Filed June 28, 1922. Serial No. 571,542. 19 Claims. (Cl. 24—211.)



9. In a fastener, latch means engageable with a separable part, a depressible releasing head, means on said releasing head to retract said latch means through depression of said head, and spring means coacting with said latch means to impart ejecting movement to the fastener upon disengagement of the latch means with the part.

1,505,024. APPARATUS FOR WASHING MINERALS AND OTHER SUBSTANCES. RENÉ AUGUSTE HENRY, Liege, Belgium. Filed Apr. 14, 1923. Serial No. 632,056. 1 Claim. (Cl. 83—82.)

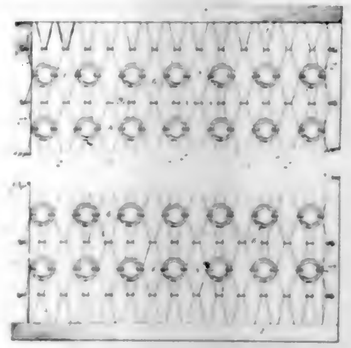


An improved apparatus for washing and separating minerals and other substances, comprising, a closed circuit structure, including a main trough, a return trough and connecting conduits for the troughs, a plurality of openings in the main trough, one of which openings leads out of the closed circuit structure, and is used for the heavier particles of material, another of which openings leads to the return trough and is used for non-separated material, and another of which openings leads to a settling tank, and is used for the lighter particles together with water, the settling tank having an opening connecting with the return trough for leading said water back to the closed circuit structure solely by gravity.

1,505,025. RESILIENT SUPPORTING SURFACE, MATTRESS, AND THE LIKE. THOMAS HILTON, London, England. Filed Mar. 29, 1924. Serial No. 702,900. 7 Claims. (Cl. 5—267.)

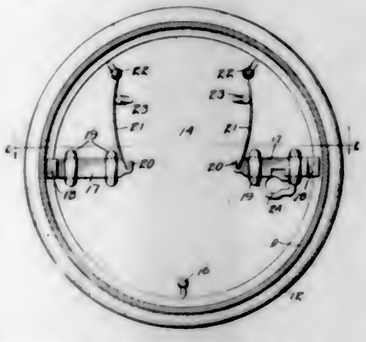
5. In a spring mattress, the combination of a series of helical springs arranged in longitudinal rows, a series of cords stretched longitudinally across and secured to the bases of said springs, there being four cords to each row of springs, the two inner cords converging from each spring toward the mid-points between the springs where said cords are connected to each other, and the two outer cords diverging from each spring and each being connected midway between the springs to the nearest cord of the next row of springs.

7. In a spring mattress, the combination of a longitudinal row of helical springs, a pair of cords stretched longitudinally of said row and connected with each of the springs, and means alternating with the springs to connect the cords of the pair to each other, said



cords converging from their respective connections with the springs to the point where they are connected to each other.

1,505,026. METER BOX. JULIUS H. HOLMGREEN, San Antonio, Tex. Filed Aug. 18, 1922. Serial No. 582,773. 3 Claims. (Cl. 137—13.)



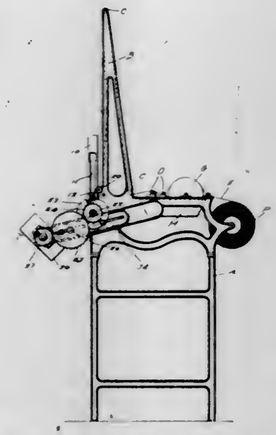
1. In a meter box, a cover adapted to be moved axially into closing position, bolts carried by said cover, guiding means for said bolts, and spring means operating on each bolt in the rear of said guiding means to retain the cover in position.

1,505,027. BUMPER. HERBERT S. JANDUS, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 23, 1922. Serial No. 602,727. 10 Claims. (Cl. 293—55.)



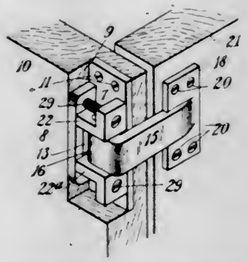
2. A clamping device for securing together an upper and a lower bar and an intermediate bar, said device comprising an upper and a lower member adapted respectively to engage the upper edge of the uppermost bar and the lower edge of the lowermost bar, a pair of intermediate members each having oppositely facing seats adapted to receive respectively an edge of the intermediate bar and the adjacent edge of another bar, and means for adjusting the first two members toward each other.

1,505,028. BANDING-MACHINE ATTACHMENT. EMIL C. KARLSON, Lynn, Mass. Filed Nov. 11, 1922. Serial No. 600,341. 3 Claims. (Cl. 164—49.)



1. An atachment for banding machines consisting of a vertically slidably mounted knife, cams for raising the knife, spring means urging the knife downwardly, gear operated means for driving said cams, a shaft journaled above the movable knife and carrying kicker rollers, a ratchet on said shaft, and a pawl associated with one end of the movable knife and co-operating with the ratchet for partially rotating the shaft and rollers at each upward movement of the knife.

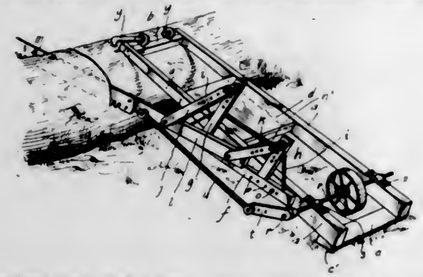
1,505,029. CONSTRUCTION OF HINGES. HENRY R. KELLERMAN, Paddington, near Sydney, New South Wales, Australia, assignor to Henry Petrie Fletcher, Sydney, New South Wales, Australia. Filed Aug. 31, 1921. Serial No. 497,132. 2 Claims. (Cl. 16—135.)



1. A hinge comprising a bracket element having a base and a plate angular to said base, said plate having a slot, bearing members fitted in said slot in spaced arrangement, screws detachably fastening said bearing members to said slotted plate, a hinge pin carried by said bearing members, a hinge piece of angular formation pivotally mounted at one end on said pin, and an attachment plate at the opposite end of said hinge piece.

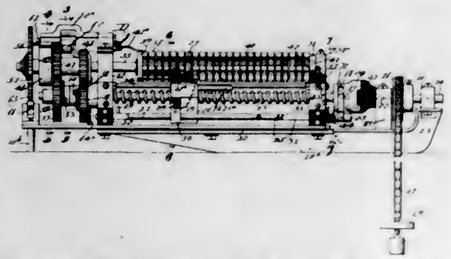
1,505,030. DRAG SAW. GEORGE F. KENTCH, Clatskanie, Oreg. Filed July 13, 1922. Serial No. 574,677. 4 Claims. (Cl. 143—68.)

1. In a saw of the character described, a main frame, an auxiliary frame pivoted at one end on said main frame for movement in a vertical plane, the auxiliary frame comprising a longitudinal member provided with upright members, a pivot projecting laterally from the upper end of each of said upright members, an arm pendent from each of said pivots, said arms being of unequal length, a saw-carrying arm pivotally suspended from said



pendent arms, and a prime mover mounted on said main frame and driving connection therefrom to the saw carrying arm.

1,505,031. LONG-DISTANCE AUTOMATIC SIGNALING MECHANISM. LECROY E. KING, Douglas, Ariz. Filed Mar. 15, 1920. Serial No. 365,936. 28 Claims. (Cl. 177—351.)

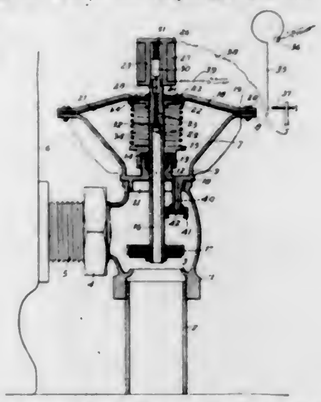


13. A signaling mechanism of the character described comprising a longitudinally extending shaft, a series of contact disks mounted thereon and rotatable therewith, the contact disks being in electrical engagement with each other, a screw-threaded shaft extending parallel to the first named shaft, a slide engaged and shifted thereby, a contact finger on said slide and engageable with the contact disks, each of said contact disks having on its periphery spaced portions adapted to make and break a circuit through the contact finger as the contact disks are rotated, each of said contact disks having spaced portions arranged to give a different signal from the spaced portions of any other contact disk, and the series of disks, means for rotating the screw-threaded shaft in opposite directions, a spring operatively connected to one end of the first named shaft, a winding device operatively connected to the other end of said spring, means operatively connecting the screw-threaded shaft and the winding device and acting to wind up said spring when the screw-threaded shaft is rotated in either direction, stop means normally preventing the unwinding of the spring, and means actuated by the rotation of the screw-threaded shaft in either direction to intermittently release said last named stop means to permit the unwinding of the spring and the rotation of the first named shaft, and means for returning the stop means to its active position after the release of said spring.

1,505,032. AUTOMATICALLY-CONTROLLED VALVE. EDWARD WILLIAM KLEIN, Atlanta, Ga. Filed Mar. 22, 1921. Serial No. 454,441. 2 Claims. (Cl. 137—139.)

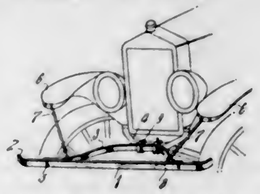
1. In a device of the character described, a casing having an inlet opening and an outlet opening, valve means controlling the passage between said openings, a vacuum chamber having a wall formed of a flexible diaphragm, said diaphragm connected with a hollow valve stem secured to the valve first mentioned, said hollow valve stem constituting a passage between the inlet side

of said valve and the vacuum chamber, spring means operating to extend the diaphragm and lift the first



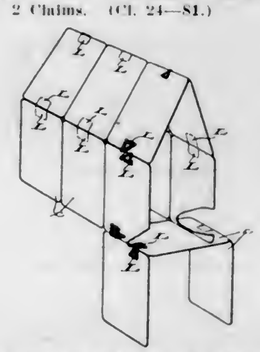
mentioned valve, valve means between the vacuum chamber and the passage between the inlet and outlet openings to permit the drawing off of condensations from said chamber, and valve means in said valve stem passage controlling the same.

1,505,033. AUTOMOBILE BUMPER. ALBERT KLUG, Columbus, Nebr. Filed Jan. 30, 1924. Serial No. 689,538. 4 Claims. (Cl. 293—55.)



1. An automobile bumper comprising a transverse bar with deflected end portions, a bowed spring bar connected at its ends with the transverse bar and curved away from the same and adapted to be connected adjacent to its center to an opposed end portion of an automobile chassis or frame, and connections on the bowed spring bar at intermediate points in the length thereof and adapted for connection to fenders.

1,505,034. TOY CONSTRUCTOR. ISRAEL KUSSNER, New York, N. Y. Filed Oct. 7, 1922. Serial No. 593,095. 2 Claims. (Cl. 24—81.)



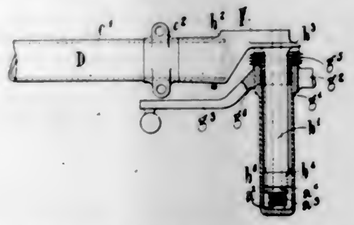
1. A card coupling device of the character described, consisting of a single piece of wire having nested jaws at its respective ends and having its intermediate portion located diagonally relative to the jaws and bent whereby the nested jaws are at an angle to each other.

1,505,035. PISTON RING. SELIPH JOSHUA LAMORA, St. Johnsbury, Vt. Filed Jan. 15, 1924. Serial No. 686,381. 1 Claim. (Cl. 74—109.)



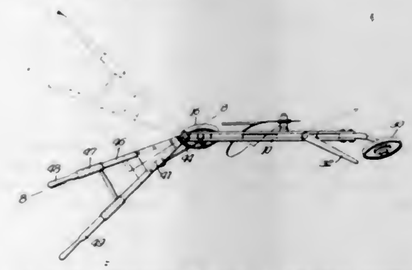
A piston ring, comprising a curved strip, said strip having a recess in one end at a point spaced from its edges, a tongue on the other end of the strip fitting said recess and the extremities of the ends of the strip having V-shaped engaging portions.

1,505,036. VEHICLE SPRING. FREDERICK WILLIAM LANCHESTER, London, England. Filed Oct. 23, 1918. Serial No. 259,152. 14 Claims. (Cl. 267—64.)



1. An elastic road wheel suspension mechanism including a closed reservoir of relatively large capacity filled with liquid, a ram of relatively smaller dimensions as compared with the reservoir in open communication with said reservoir and on which ram said vehicle rests, said liquid acting as the elastic medium in said mechanism.

1,505,037. PLOW. CHARLES W. LANDERS, Pensacola, Fla. Filed Apr. 7, 1922. Serial No. 550,487. 4 Claims. (Cl. 97—137.)

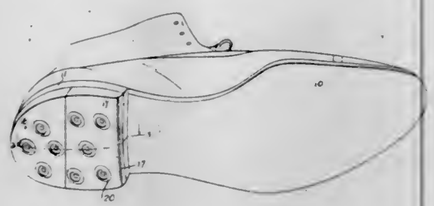


1. A plow comprising a beam, a standard secured to and depending from the beam, a plow share carried by said standard and including a land side and a mold board, interchangeable handles connected with the rear portion of the beam and adapted to be extended from either side thereof, draft means detachably connected with the forward portion of the beam and designed to be disposed in an inclined direction from either side thereof in correspondence with the arrangement of the handles, and a pair of steering wheels supported upon adjustable standards connected with the beam.

1,505,038. RUBBER HEEL. CHARLES WILLIAM LAVERS, Halifax, Nova Scotia, Canada. Filed June 14, 1921. Serial No. 477,526. 2 Claims. (Cl. 36—35.)

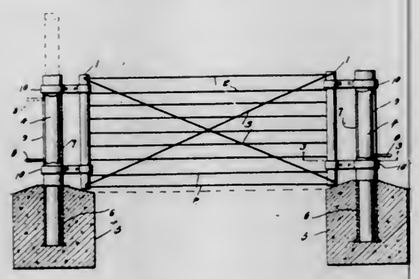
1. In a rubber heel, a positioning plate adapted for attachment to the lift of a permanent heel and provided with openings therein, and a body portion having an

inner concave surface formed with teats for engaging the openings in said plate to properly position said body portion with respect to said plate and lift the major



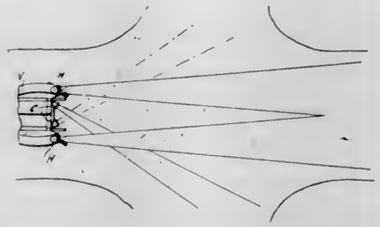
portion of the area of said concave surface being spaced from the adjacent face of said plate to provide an air cushion.

1,505,039. FARM GATE. OSCAR T. LAY, Grassy Butte, N. Dak., assignor of one-third to Henry G. Schwartz, Killdeer, N. Dak. Filed May 4, 1923. Serial No. 636,622. 1 Claim. (Cl. 39—87.)



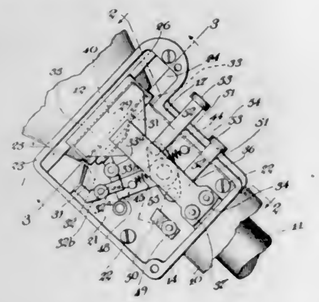
A gate, a tube at each end of the gate and having a longitudinal slot in a side thereof, a post movable in each of the tubes, a handle projecting laterally from each of the posts and passing through the longitudinal slot of a tube, a base for the lower end of each post, and a tube let into the base and adapted to receive the lower end of the post.

1,505,040. ROAD-ILLUMINATION CONTROL FOR VEHICLES. WILBUR A. LAYCOCK, JOHN C. FARRAR, and HARRY H. WOLBERT, Delta, Colo., assignors to Motor Curve Light Company, Delta, Colo., a Corporation of Colorado. Filed Jan. 6, 1923. Serial No. 611,055. 13 Claims. (Cl. 240—7.)



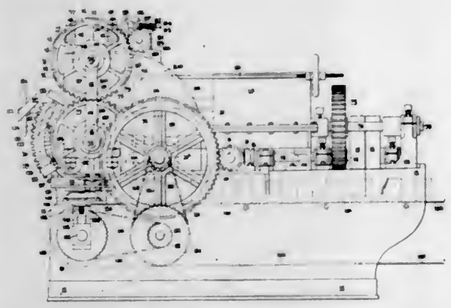
1. In combination with a vehicle embodying forwardly directed headlights and a pair of curve lights directing light toward opposite sides of the road, means for illuminating the curve light directed toward either side of the road upon a turning movement of the vehicle toward that side of the road, and single means for simultaneously illuminating both of said curve lights.

1,505,041. CIRCUIT MAKER AND BREAKER. WILBUR A. LAYCOCK, JOHN C. FARRAR, and HARRY H. WOLBERT, Delta, Colo., assignors to Motor Curve Light Company, Delta, Colo., a Corporation of Colorado. Filed Mar. 1, 1923. Serial No. 622,117. 6 Claims. (Cl. 200—59.)



1. In an electric switch of the class described, a casing constructed for attachment to the steering post mast of a motor vehicle and having a chamber, a plate of insulating material fixed within the chamber and having a lateral outwardly projecting flange upon its upper end, a rib projecting inwardly from the top wall of the casing parallel with and spaced above said flange to provide a guideway between the rib and the flange, a movable switch element mounted for rectilinear reciprocating movement in said guideway, circuit controlling means associated with said movable switch element, and means to operatively connect said movable switch element to the steering post, said movable switch element having a head engaging the outer faces of the rib and the flange, and said circuit controlling means including a resilient yieldable contact member having one end fixed in the casing and having its other end bearing upon the head of the movable switch element to retain the latter in its guideway.

1,505,042. PRESS FOR THE MANUFACTURE OF HOLLOW EARTHENWARE ARTICLES. EDMUND WILLIAM LEIGH, Shanklin, Isle of Wight, England. Filed Nov. 10, 1922. Serial No. 600,165. 28 Claims. (Cl. 25—78.)



1. A rotary press for the simultaneous stage by stage manufacture of hollow earthenware articles, comprising a rotary carrier-head, a series of moulding cylinders in said head, a hopper for successively filling each of said moulding cylinders with plastic material, means for subsequently compressing said plastic material within the moulding cylinder to partly mould the article so as to form a base connected to a thick annular wall both of plastic material, means whereby said thick annular wall of plastic material is after that subjected to extrusion to form the relatively thin annular wall of the hollow earthenware article, a cradle for supporting the article while it is being extruded and a travelling conveyor to successively receive and remove the completed articles.

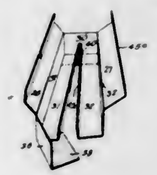
1,505,043. CELLULOSE ETHER AND PROCESS OF MAKING SAME. LEON LILIENFELD, Vienna, Austria. Filed June 10, 1922. Serial No. 567,430. 19 Claims. (Cl. 260—152.)

19. An ethyl ether of a cellulosic body, which is insoluble in water at 16° C., and above, but which swell perceptibly in water at between 5 and 10° C., which product can be made by treatment of an ethyl derivative of a cellulosic body soluble in water at 16° C., either alone or in the form of reaction mixtures which contain such an ethyl cellulose, with caustic alkali and an ethylating reagent in the presence of a quantity of caustic alkali which amounts to not less than one-tenth and not more than one-fourth of the quantity of the water contained in the reaction mixture.

1,505,044. INSOLUBLE CELLULOSE ETHER COMPOUND AND PROCESS OF MAKING THE SAME. LEON LILIENFELD, Vienna, Austria. Filed June 10, 1922. Serial No. 567,429. 6 Claims. (Cl. 260—152.)

3. A cellulose derivative not readily soluble in water which comprises the reaction product of a cellulose ether with a tannin.

1,505,045. RECEPTACLE. CHARLES LOHRMAN, Wantagh, N. Y. Filed Apr. 19, 1923. Serial No. 633,274. 1 Claim. (Cl. 229—27.)



A receptacle, comprising a body made from a blank having sides and ends and provided with a flap extending from each side at top and bottom and of a width equal to one half the width of the receptacle, each flap having a right angular terminal portion provided with a notch in its longitudinal edge and extending into the receptacle, the terminal portions of the top flaps being in alinement with the terminal portions of the bottom flaps and the terminal portions of the top and bottom flaps being in engagement with each other to form a two-ply wall dividing the receptacle into two compartments.

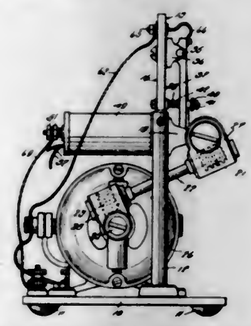
1,505,046. SIGN HOLDER. CHARLES H. LUSH, Freeport, N. Y., assignor to Beacon Mfg. & Sales Co., Inc., Freeport, N. Y., a Corporation of New York. Filed Oct. 3, 1923. Serial No. 666,382. 3 Claims. (Cl. 40—125.)

1. A sign holder, comprising a pair of standards having horizontal base portions, a base plate rigidly secured to each base portion, each of said plates having a horizontal section and a vertical section, an outer frame element of substantially an L-shape in cross section formed with pressed up lugs at the bottom, means for removably securing said frame to said base plates, said securing means connecting the frame to the base plates on their horizontal portions and vertical portions, an inner frame element disposed within the



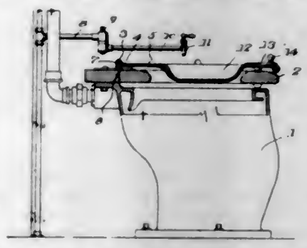
outer element, and removable fastening elements at the top of the frame co-acting with said lugs for locking said inner frame element to the other frame element.

1,505,047. MAKE-AND-BREAK ELECTRICAL SIGN CONTROL. PERRY V. MCCASH, Seattle, Wash. Filed May 15, 1922. Serial No. 561,189. 3 Claims. (Cl. 200—27.)



1. In a sign flasher, a panel having a plurality of tubular electro-magnets mounted thereon, each said magnet being wound with a wire helix, a spring-pressed plunger reciprocatively mounted in each said magnet, a bar pivoted at one end and engageable with an end of each said plunger, and a plurality of cam-wheels mounted to rotate in unison and arranged to maintain said bars in contact with said plungers and at one stage of their rotation to abruptly release the same.

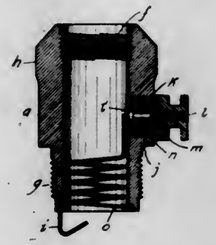
1,505,048. ATTACHMENT FOR TOILETS. JOHN M. MCLEOD, San Pedro, Calif. Filed Mar. 31, 1924. Serial No. 703,259. 2 Claims. (Cl. 4—3).



1. In combination with a toilet bowl or hopper and the seat therefor, of a basin comprising a ring base hingedly secured to the rear of the seat and designed to

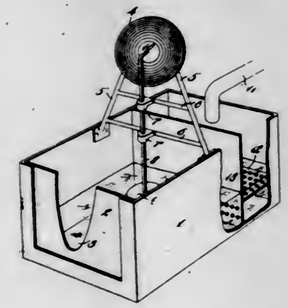
normally rest thereon, a basin having its sides pivoted to the ring base beyond the center thereof, and said basin having an extension forming a handle which normally rests on the outer portion of the base.

1,505,049. SPARK PLUG. STEWART J. MASON, Portland, Oreg., assignor of one-half to Eugene L. Wiederman, Portland, Oreg. Filed May 31, 1921. Serial No. 473,731. 6 Claims. (Cl. 123—169.)



1. In a spark-plug of the character described, a shell, a core removably secured in one end of the shell, such core provided with one of the electrodes, the shell being provided with a hole located approximately midway between its ends, a bushing inserted in said hole, an insulating plug inserted in said bushing, a binding post secured in said insulating plug, and extending therethru into the interior of the shell, a heating coil having one end fastened to said binding post, and its opposite end grounded in the open end of the shell, said heat coil encircling the electrode carried by the core but being spaced from said core and its said electrode.

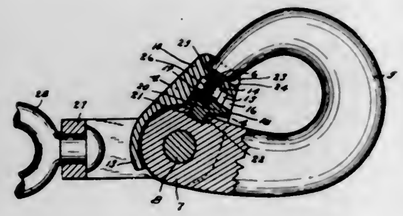
1,505,050. WEIR METER. CHARLES C. LAURITSEN, Cleveland, Ohio, assignor to The Ohio Body and Blower Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 19, 1920. Serial No. 359,933. 8 Claims. (Cl. 73—167.)



1. A liquid meter provided with a weir notch having a minimum and maximum liquid level, the shape of said notch being such that the quantity of liquid flowing therethrough will at all levels be directly proportional to the square of the height of said liquid above the minimum level.

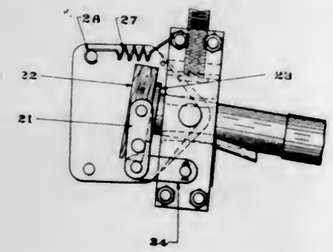
1,505,051. LOCK FOR HOISTING HOOKS. FRED LINDGREN, Renton, Wash.; Olof Lindgren executor of said Fred Lindgren, deceased. Filed Aug. 22, 1921. Serial No. 494,129. 1 Claim. (Cl. 24—241.)

The combination with a clevis having a hook pivotally connected thereto, said hook having a shank provided on its inner edge with a bolt receiving recess and having a point that terminates near said recess, said recess being in alinement with the said hoook pivot and point, of a latch member pivoted on said shank, and having a slotted outer end that is adapted to fit over the hook point when the said latch member is moved to close the gap betwen the shank and the point of said hook, said latch member having a longitudinally extending cylindrical recess formed therein and having a groove in one edge thereof that is connected with said recess by a slot of less width than said groove, said cylindrical recess being in alinement with said hook pivot, shank carried recess, and hook point when the latch is in its



closed position, a plunger reciprocable in said recess in said latch member, a stud on said plunger arranged to enter the shank carried recess, a spring for urging said plunger toward the shank of said hook, a plug seated in said latch slot for retaining said spring in the cylindrical recess, said plug being positioned below said hook point when the latch is in its closed position, and a thumb piece fitted in said plunger and disposed within the groove of said locking member adjacent the inner side of the latch member.

1,505,052. MANDREL SUPPORT. GEORGE L. MATHER, Milwaukee, Wis., assignor to The Federal Rubber Company, Cudahy, Wis., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,962. 6 Claims. (Cl. 18—2.)

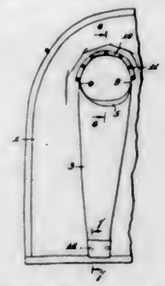


6. In combination, a pivoted mandrel support, means for closing the end of a mandrel supported thereby said closing means comprising a pivoted cushion member operatively connected to said pivoted support whereby tilting of said pivoted support causes said cushion to engage the end of the mandrel.

1,505,053. GARMENT. DAVID MILLHAUSER, Brooklyn, N. Y. Filed Feb. 23, 1924. Serial No. 694,679. 3 Claims. (Cl. 2—90.)

3. A garment, provided with a body and a pair of sleeves, said garment presenting a sweater structure, each of said sleeves having means projecting from the lower part of the upper ends thereof permanently secured to the body for holding the sleeves permanently to the body,

and means on the upper half of the upper ends thereof for removably connecting said upper ends to said body whereby said last mentioned means may be disconnected



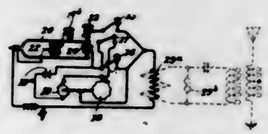
and the sleeves forced into the body for exposing the armholes whereby the resulting structure will present a vest.

1,505,054. GREASE GUN AND LIKE APPARATUS. CHARLES ERIC MILNER, Birmingham, England, assignor to Benton & Stone Limited, Birmingham, England. Filed Nov. 26, 1923. Serial No. 677,111. 2 Claims. (Cl. 221—78.)



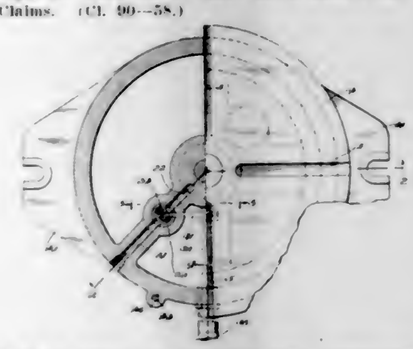
2. A filling or charging device for grease guns and like lubricating apparatus, comprising a plurality of radially disposed blades, a handle at one end of the blades, a slotted cover through which the blades can slide, and means on the inner end of the blades for preventing detachment from the cover, substantially as described.

1,505,055. SECRET SYSTEM FOR RADIOTELEGRAPHY. AGUSTIN R. MOLINS, Habana, Cuba. Filed May 19, 1922. Serial No. 562,054. 6 Claims. (Cl. 250—9.)



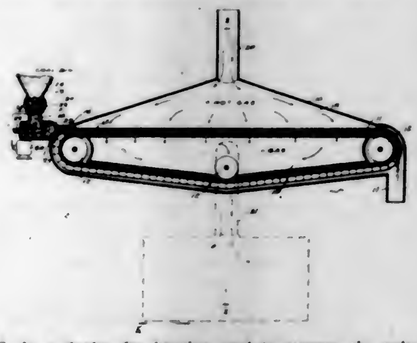
1. A secret radio communication system, comprising in combination a radio transmitting apparatus, a control circuit, a tuning fork located in said control circuit, a plurality of contacts carried on one side of said fork and a single contact carried on the other side of said fork, an electromagnet electrically connected to a source of supply with one of said contacts whereby said tuning fork is continuously vibrated, a keying circuit connected in series with said control circuit and one of said contacts on one side of said fork, an automatic transmitting device connected in series with said control circuit and the other contact on the opposite side of said fork whereby said transmitter is caused to radiate a series of signals during spaced intervals in said keying circuit, and receiving means at the radio receiving station responsive to signals transmitted by said keying circuit but irresponsive to signals transmitted by said automatic transmitting device.

1,505,056. INDEX BASE. EUGENE F. MURRAY, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,754. 18 Claims. (Cl. 90—58.)



1. In an index base, a movable table, compressed air locking means for locking the table against movement, and a combined index pin and valve for controlling passage of compressed air to said locking means.

1,505,057. COAL-DISTILLING APPARATUS. WILLIAM FRANK NAGEL, Ensley, Ala. Filed Apr. 19, 1922. Serial No. 555,555. 3 Claims. (Cl. 202—4.)

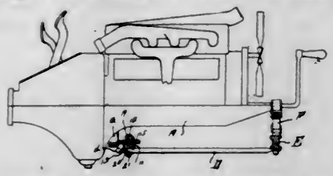


3. In a device for heating coal to remove the volatile matter therefrom, a container having its top and bottom inclined downwardly and upwardly respectively from its center to the ends, said container having a gas inlet in its top at the center of length, and a coil outlet at one end, an endless conveyor formed of spaced bars, and mounted in the container, means for feeding coal onto the conveyor, and an exhaust pipe leading from below the upper run of the conveyor out through one side of the container.

1,505,058. RADIUS-ROD ADJUSTING ATTACHMENT. ROY L. NAUGLE, Blackstone, Va. Filed June 16, 1923. Serial No. 645,787. 5 Claims. (Cl. 267—66.)

1. An attachment for the radius rods of motor vehicles comprising a U-shaped clamping member, a transversely extending clamping member disposed below the U-shaped clamping member, a screw passing through the U shaped clamping member and having at one end a

spherical head, and an eye-bolt having a screw-threaded eye through which the screw passes, the shank of the



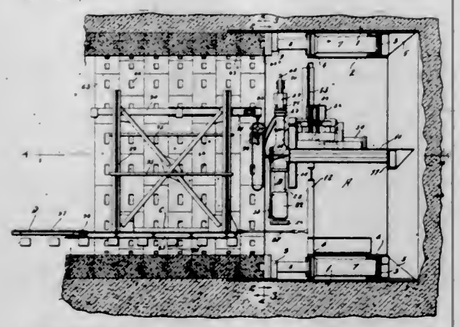
eye-bolt passing through the transversely extending clamping member, and a nut on the eye-bolt operatively engaging the last named calmping member.

1,505,059. LAWN OR HEDGE CUTTER. EDWARD NIST, Oak Park, Ill. Filed Feb. 24, 1923. Serial No. 620,987. 2 Claims. (Cl. 30—1.)



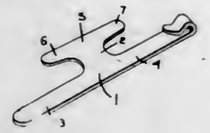
1. A lawn or hedge cutter comprising a pair of cutting blades, a spring for normally urging said blades apart, an up-right connected to one of said blades, a supporting handle pivotally connected to said up-right, an operating rod rotatably carried by said up-right, said up-right having its lower end bent transversely, a crank rod journaled in said transversely bent end, a universal joint connecting said crank rod and operating rod, and a pitman connecting the crank rod to the cutting blade other than the one to which said up-right is connected.

1,505,060. APPARATUS FOR EXCAVATING TUNNELS. LE ROY A. QUAYLE, Cleveland, Ohio, assignor of one-half to George B. Hong, Cleveland, Ohio. Filed Feb. 26, 1920. Serial No. 361,578. 12 Claims. (Cl. 61—84.)



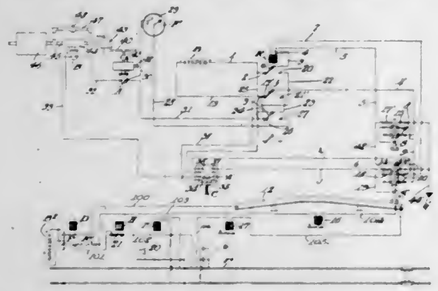
1. In tunnel constructing apparatus, the combination of a shield, propelling means incorporated in the shield, an erector carried by the shield, a drag platform coupled to the shield, and a drag track coupled to the platform.

1,505,061. MARCEL WAVER. GEORGE ROSNOSKY, Allston, Mass., now by judicial change of name George Ross. Filed Nov. 10, 1922. Serial No. 600,055. 2 Claims. (Cl. 132—39.)



1. A hair waving device comprising a flat body presenting a centrally disposed T-shaped head and stem and arms extending in opposite directions from said stem about which arms and stem a strand of hair may be repeatedly wound in the general form of a figure 8 and in which the loops will be superimposed and crossed alternately upon opposite sides of said body adjacent said stem and between said arms and head and means for retaining the free end of said strand of hair.

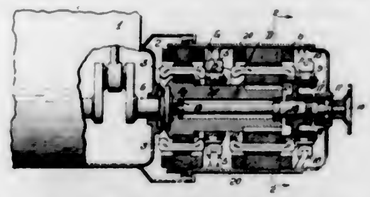
1,505,062. TRAIN-CONTROL SYSTEM. ARCHIBALD G. SHAVER, Chicago, Ill., assignor, by mesne assignments, to Regan Safety Devices Company, Incorporated, a Corporation of New York. Filed Apr. 25, 1919. Serial No. 292,548. 24 Claims. (Cl. 246—49.)



1. In a train control apparatus, in combination, road side mechanism including an energy transmitting device, an electrical source of energy therefor, and means responsive to "safe", "caution" and "danger" track conditions for reversing the direction of flow of and for discontinuing the current fed from said source of energy to said energy transmitting device; and vehicle carried mechanism comprising a source of energy, a translating device normally energized by said vehicle source of energy and influenced by a reversal of direction and a discontinuance of current fed thereto, means for connecting said vehicle source of energy to said translating device and cooperating with the roadside transmitting device for effecting the substitution of the roadside source of energy for the vehicle source of energy for influencing and operating the said device in the movement of the vehicle, a vehicle carried device for automatically controlling the movement of the vehicle and instrumentalities for operating the same to produce proceed, speed restrictive and stop effects, said instrumentalities being under the control of said translating device and the said effects being produced under normal, reverse and no flow of current fed to the translating device.

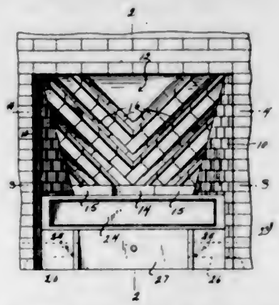
1,505,063. ELECTROMAGNETIC CHANGE-SPEED SYSTEM. HARRY L. TANNER, Brooklyn, N. Y. Filed Dec. 18, 1917. Serial No. 207,799. 14 Claims. (Cl. 290—10.)

1. In a transmission system for automotive vehicles employing an internal combustion engine as a prime mover, the combination with a driving shaft driven from said prime mover and a driven shaft, of a dynamo-electric machine having a rotatable part coupled to said driven shaft, a rotatable part coupled to the driving shaft and a stationary part surrounding both of said



rotatable parts, said rotatable parts having magnetic non-slip, non mechanical means for causing one of said rotatable parts to drive the other of said rotatable parts at a one-to-one ratio.

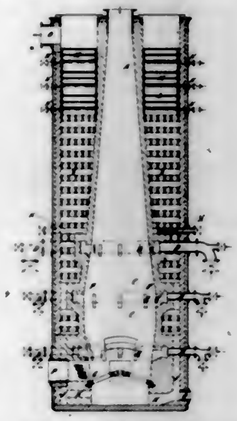
1,505,064. FIREPLACE BACK. FRANK S. THORNE, Portland, Oreg. Filed July 30, 1921. Serial No. 488,561. 2 Claims. (Cl. 126—130.)



1. In a fireplace, a grate, a forwardly and upwardly inclined fire back provided with a plurality of parallel grooves diverging upwardly from the middle line of the fire back and having their lower ends terminating above the grate and forward projections formed in the rear wall of the fireplace above the grate and below the lower ends of said grooves, the projections being arranged in spaced relation to define a passage leading to the lower ends of all of said grooves, the said projections serving as stops for preventing the engagement of the logs on the grate against the fire back and the passage and said passage serving to direct the flames into the lower ends of said grooves.

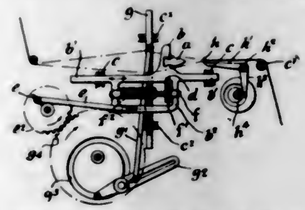
1,505,065. PROCESS FOR THE PRODUCTION OF HYDROGEN OR GASES RICH IN HYDROGEN. JOHN HENRY WEST, Bayswater, and ARTHUR JAQUES, Waterloo, England. Filed Oct. 5, 1922. Serial No. 592,496. 9 Claims. (Cl. 48—198.)

1. A process for the production of gases rich in hydrogen which consists in completely gasifying coal in an apparatus comprising an upper retort chamber, and a lower producer chamber arranged in open communication with the retort chamber so as to allow the carbonized coal to fall directly from the retort to the producer, the series of steps of completely gasifying the coal consisting in carbonizing the coal by subjecting it to temperatures which increase gradually as the coal passes from the inlet of the retort chamber to the top of the producer chamber, cracking the vapors and gases produced during the carbonization of the coal in the retort chamber by passing them in a downward direction through the zone of highest temperature located in the neighborhood of that part of the fuel bed situated at the bottom of the retort portion and the top of the producer portion of the apparatus, subjecting the carbonized fuel in the producer chamber to simultaneous treatment with steam and air, and regulating the quantities of steam and air employed and the points at which the said steam and air are admitted into the producer chamber so that the zone of highest temperature is located at the top of



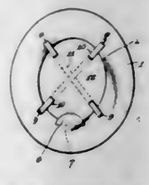
the producer chamber and the temperature decreases gradually from the aforesaid zone through the fuel bed in the producer down to a temperature of comparatively low value at the bottom of the producer chamber where the gases are drawn off.

1,505,066. LOOM. CARL ECCART, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a Corporation of Switzerland. Filed Oct. 7, 1922. Serial No. 592,949. 2 Claims. (Cl. 139—138.)



1. In a loom, the combination with a lay of a shuttle actuating mechanism comprising a rack gear (*d*) mounted to reciprocate on the lay, an elongated spur gear (*f*²) supported on the lay and in operative relation with said rack gear, a rack gear (*g*) in operative engagement with said elongated gear and supported for reciprocation in fixed bearings, and means to reciprocate said last named rack gear.

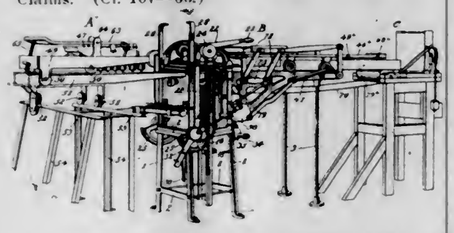
1,505,067. SANITARY CLOSET-SEAT COVER. ALBERT J. LAHMER, Toronto, Ontario, Canada, assignor of one-half to George William Knowling, Detroit, Mich. Filed Nov. 11, 1922. Serial No. 600,252. 2 Claims. (Cl. 4—243.)



1. As a new article of manufacture, a closet seat cover made of a single piece of material cut to provide concentric slits affording a plurality of extensible straps

and a drag member which may be depressed and supported by said straps at such points as to sustain a load on said drag member, said straps by virtue of said slits being tearable intermediate the ends thereof to part when the load becomes too great.

1,505,068. ICE-CREAM-CONE MACHINE. LEWIS H. LANIER, Newport, Ky., assignor to The French Brothers-Bauer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 10, 1919. Serial No. 329,702. 11 Claims. (Cl. 107—66.)

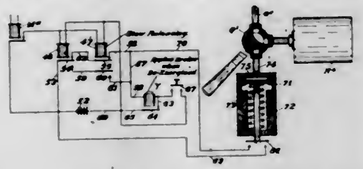


1. The combination with a series of molds and a corresponding series of cores, means for separating the cores from the molds, with the cores provided with a cylindrical portion projecting with the cores into the mold cavities when closed to cause the baked material to adhere to the cores when withdrawn.

10. The combination with a series of molds and a corresponding series of cores, means for separating the cores from the molds, trimming mechanism to trim the pastry forms, a plate forming part of the trimming mechanism provided with a series of openings corresponding to the number of cores to catch and hold the pastry forms, a batter receptacle shiftable into the pathway of the cores to deposit the batter in the molds when separated, and adapted to contact with the carrier plate to shift same to the cooperating part of the trimming mechanism, whereby the baked pastry forms may be removed simultaneously with the deposit of fresh batter in the molds.

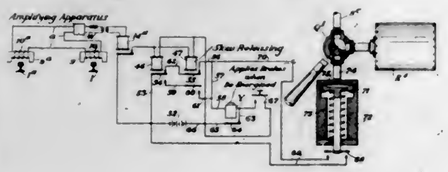
11. In combination with a plurality of baking machines with a plurality of sets of pastry molds, of guide rails mounted in front of and transversely of said machines, a carriage to move on said rails, and a batter receptacle mounted on and adapted to move transversely of said carriage into a position over the top of the molds to deliver the batter downwardly to the molds, whereby a single batter receptacle may be used in succession to supply batter to a plurality of sets of molds of a plurality of baking machines.

1,505,069. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 9, 1920, Serial No. 364,458. Renewed Aug. 9, 1922. Serial No. 580,816. 28 Claims. (Cl. 246—63.)



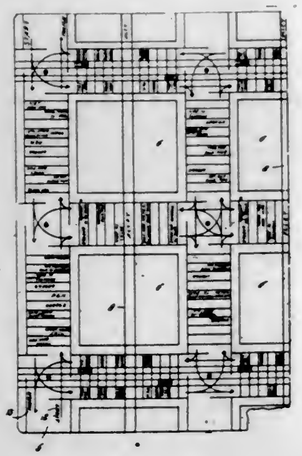
11. Railway traffic controlling apparatus comprising means in the trackway for supplying energy to a vehicle, apparatus on the vehicle responsive to the energy supplied by said trackway means, retarding mechanism on the vehicle controlled by said apparatus and effective for a fixed interval of time after the cessation of energy from said trackway means, and manually operable means on the vehicle for preventing said mechanism from retarding the vehicle during said interval of time.

1,505,070. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Mar. 9, 1920, Serial No. 364,458. Divided and this application filed Aug. 17, 1922. Serial No. 582,504. 19 Claims. (Cl. 246—63.)



1. Railway traffic controlling apparatus comprising a magnet on a vehicle, apparatus located in the trackway for causing said magnet to be energized while traffic conditions in advance are safe but not when traffic conditions in advance are dangerous, a quick releasing relay and a slow releasing relay controlled by said magnet and each arranged to be de-energized when the magnet becomes de-energized, brake application mechanism controlled by said relays and set into operation during the interval between the opening of the quick releasing relay and the opening of the slow releasing relay, and manually operable means on the vehicle effective to prevent said brake application mechanism being set into operation during said interval.

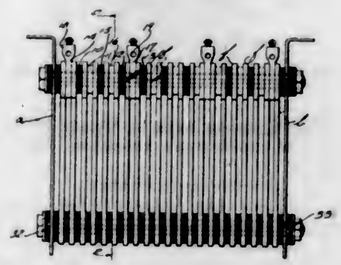
1,505,071. GAME APPARATUS. HERBERT FRASER, Minneapolis, Minn. Filed Dec. 12, 1923. Serial No. 680,146. 3 Claims. (Cl. 46—63.)



1. In a game, a game board whose surface contains the representation of the streets of a town or city which divides the surface of the game board into a plurality of blocks, certain of the streets terminating at the corners of the board, start and finish indications at each corner of the board, the streets being divided into sections, indications in certain of the street sections for denoting location of penitentiaries, garages and the like, further indications in other of said street sections denoting penalties in the advance of a game piece from its starting to its finishing point, game pieces movable over the face of the board to follow the street indications, and curved

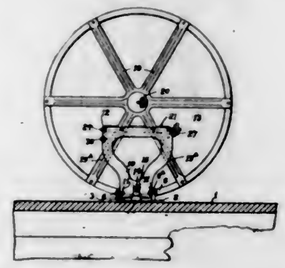
and straight arrow lines at the street intersections for denoting a plurality of courses which may be followed by each game piece in moving from start to finish points thereof.

1,505,072. ELECTRICAL RESISTANCE. HAROLD M. WAMSLEY, Norwood, Ohio, assignor to William H. Keller, Norton, Va. Filed Nov. 13, 1922. Serial No. 600,582. 11 Claims. (Cl. 219—69.)



1. An electrical resistance grid having interior legs of greater cross section than legs located exteriorly thereof.

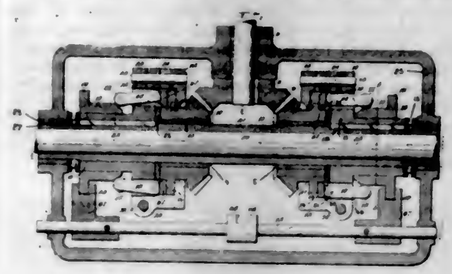
1,505,073. DISK TALKING MACHINE. HORACE LEOPOLD TUCKER BUCKLE, Ylewsley, England. Filed Feb. 23, 1924. Serial No. 694,718. 3 Claims. (Cl. 274—16.)



1. In a talking machine, the combination of a turntable, a diaphragm normally arranged in a plane substantially parallel thereto and provided on its under side with a rigid spider frame, and means supporting said diaphragm and including a rigid frame adapted to extend over the turn-table and pivoted to swing toward and away from the same, said last mentioned frame extending under the diaphragm and being pivotally connected beneath the same to the spider frame thereof, whereby to house the supporting frame between the diaphragm and the turn-table.

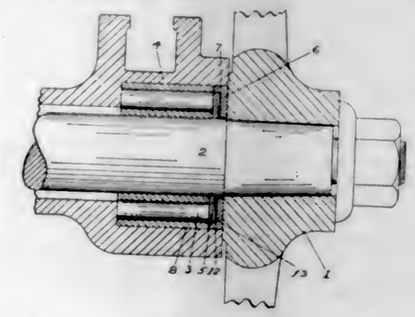
1,505,074. DISK CLUTCH REVERSER. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 28, 1921. Serial No. 473,323. 10 Claims. (Cl. 74—59.)

1. A motion-transmitter combining a clutch unit presenting an open end having an internal annular recess; a gear having an annular flange at the end of its hub located in said annular recess; an annular shoe adjacent the outer face of said flange; a pressure element for clamping said gear flange between said shoe and a side-face of said annular recess; a tubular member on which said gear is journaled; a frame providing journals for



the ends of said tubular member; and an axially-shiftable shaft translatably splined within the bore of said tubular member.

1,505,075. JOURNAL BEARING. GLENN G. RHINEVAULT, Saginaw, Mich., assignor of one-half to Wm. B. Mershon & Co., Saginaw, Mich., a Corporation of Michigan. Filed Feb. 21, 1924. Serial No. 694,253. 3 Claims. (Cl. 64—22.)



1. In combination, a journal, a chambered journal box having an apertured closure through which the journal projects, an annular disk fixed to the journal within said box, a face of said disk provided with outwardly extending grooves, said grooved face revolvable in proximity to the inner face of said closure.

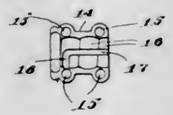
1,505,076. SYSTEM OF ELECTRICAL INSTALLATION. ARCHIBALD T. SAMPSON, Lynn, Mass., assignor to Sampson Axcess System, Inc., Lynn, Mass., a Corporation of Massachusetts. Filed Apr. 12, 1923. Serial No. 631,571. 4 Claims. (Cl. 247—3.)



1. The improved method of electrical installation which consists in providing metallic conduits to receive and carry electric wires, installing said conduits permanently in position in a building, weakening a portion of said conduits at a plurality of desired points along the length thereof without injuring or disturbing the

wires within the conduits, whereby the conduits are left intact, the weakened portions at such points constituting, when removed, a portion of an outlet receptacle therefor, then removing the weakened portion at any desired point without injuring or disturbing the wires, then completing the construction of the outlet receptacle at such desired point while the conduit is permanently in position and to lead power from the through wires independently of cutting the same, and then adding means to clamp the outlet receptacle on the conduit at the point from which the weakened portion has been removed.

1,505,077. THREADLESS COUPLING FOR PIPES AND THE LIKE. ARCHIBALD T. SAMPSON, Lynn, Mass., assignor to Sampson Axcess System, Inc., Lynn, Mass., a Corporation of Massachusetts. Original application filed Dec. 15, 1919, Serial No. 344,927. Divided and this application filed Apr. 21, 1923. Serial No. 633,737. 3 Claims. (Cl. 247—25.)



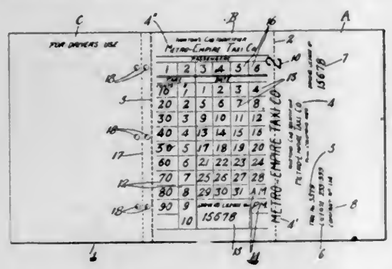
1. An improved coupling for flexible armored cable, comprising non-threaded clamping means, helical grooves therein for cooperating with the armor, and a longitudinal groove in one of said non-threaded clamping means for retaining a strengthening means for the cable in position.

1,505,078. SEPARATION OF ALKALI-METAL SALTS BY AQUEOUS SOLUTION OF AMMONIA. CLINTON E. DOLBEAR, San Francisco, Calif., assignor to Industrial Research Co., San Francisco, Calif. Filed Aug. 21, 1923. Serial No. 658,643. 2 Claims. (Cl. 23—22.)

1. The improvement in the separation of alkali-metal salts from each other, which comprises leaching the mixed salts with aqueous ammonia and separating the liquid from the undissolved portion of the salts.

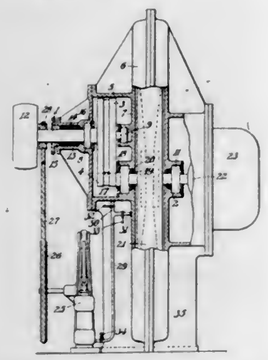
1,505,079. TAXICAB IDENTIFIER. HARRY EDGAR MILLS, New York, N. Y. Filed Apr. 9, 1923. Serial No. 630,749. 2 Claims. (Cl. 283—7.)

1. A taxicab identifier comprising a sheet, said sheet divided into three portions by perforations to permit of separation of one portion from another, one of said separable portions having means to identify the driver, taxicab and company and the other two of said separable portions having identical means to identify the fare, number of passengers and the day of the month,



the said identical means being so located and arranged that when the portions are superposed they will be in registration.

1,505,080. MEANS FOR MAINTAINING VACUA OR PARTIAL VACUA. PAUL SHISHKOFF, Richmond, England, assignor to Margaret Ellen Deborah Smith, London, England. Filed Dec. 10, 1921. Serial No. 521,431. 5 Claims. (Cl. 74—6.)



1. In a power transmission system the combination of a high speed rotating element, a low speed rotating element, gearing connecting said elements, an air-tight casing enclosing said elements and gearing, means for coupling said low speed element to mechanism external to said casing, and means for extracting air from said casing.

Patents Nos. 1,505,081 to 1,505,934.

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Prints	11—No.	7,558 to No.	7,568, inclusive.
Reissues	5—No.	15,893 to No.	15,897, inclusive.
Designs	32—No.	65,428 to No.	65,459, inclusive.
Patents	854—No.	1,505,081 to No.	1,505,934, inclusive.
Total	1229		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 1, 1924.*

Lone Star Blacking & Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Tom A. Tirado, jr., 703 West Alabama Street, Houston, Tex., for registration of a trade-mark and trade-mark registered May 31, 1910, No. 78,255, to Lone Star Blacking & Mfg. Co., 852 Commerce Street, Dallas, Tex., and a notice of such declaration sent by registered mail to said Lone Star Blacking & Mfg. Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Lone Star Blacking & Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 2, 1924.*

Eagle Water Heater Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the American Heater Corporation, of 1100 North Sixth Street, St. Louis, Mo., for registration of a trade-mark and trade-mark registered August 7, 1906, No. 55,000, to the Eagle Water Heater Company, 126–130 Sixth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Eagle Water Heater Company at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Eagle Water Heater Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

TRADE-MARKS CANCELED.

90,621. Adhesive cement. Edward F. Beach, St. Louis, Mo. Registered Mar. 11, 1913. Canceled July 21, 1924.

120,985. Certain named foods. Manteca Canning Co., Stockton and Manteca, Calif. Registered March 19, 1918. Canceled June 11, 1924.

140,295. A chemical compound for frosting for electric-light bulbs. William F. Rau, Troy, N. Y. Registered March 8, 1921. Canceled June 25, 1924.

141,994. Kosher scouring powder. Kirkman & Son, Brooklyn, N. Y. Registered May 3, 1921. Canceled June 25, 1924.

155,168. Hosiery. Paramount Knitting Company, Chicago, Ill. Registered May 16, 1922. Canceled May 27, 1924.

161,020. Certain named household furniture. Harry J. Kerlin, Altoona, Pa. Registered October 31, 1922. Canceled June 25, 1924.

165,926. Rain coats and waterproof garments. The Badger Raincoat Co., Port Washington, Wis. Registered March 20, 1923. Canceled June 11, 1924.

168,037. Dentifrice. Florence N. Lewis, doing business as Elizabeth Arden, New York, N. Y. Registered May 8, 1923. Canceled August 1, 1924.

183,717. Measuring containers and measures for liquids. Dover Stamping & Manufacturing Company, Cambridge, Mass. Registered May 6, 1924. Canceled June 25, 1924.

183,836. Egg beaters, scoops; cake, biscuit, and doughnut cutters; coal sieves, shovels, and spoons. Dover Stamping & Manufacturing Company, Cambridge, Mass. Registered May 6, 1924. Canceled June 25, 1924.

Condition of Applications Under Examination at Close of Business August 8, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,340; Trade-Mark Division, 1,832. Oldest new case, Dec. 6, 1923; oldest amended, Dec. 8, 1923. The dates given are 1924 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Jan. 15	Jan. 18	975
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Jan. 8	Jan. 11	877
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 1	Mar. 14	912
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Feb. 18	Mar. 6	976
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Jan. 3	Jan. 3	1,548
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	*Dec. 6	*Dec. 11	1,164
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Feb. 9	Feb. 9	1,690
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Mar. 1	Apr. 18	1,456
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 12	May 7	641
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping Wheel Substitutes.	Feb. 23	Mar. 11	1,378
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Feb. 1	Mar 26	1,014
322	12. PIERCE, P. P., Machine Elements	Mar. 14	Feb. 23	1,062
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Jan. 14	Jan. 11	1,120
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Jan. 2	June 17	716
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Jan. 24	Jan. 18	1,471
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Jan. 17	Jan. 17	2,662
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 7	Apr. 9	850
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Dec. 13	*Dec. 13	2,017
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 21	May 16	894
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Feb. 14	Feb. 23	1,191
212	21. THURBER, W. L., Winding and Reeling; Textiles Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Jan. 16	May 31	695
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 17	Jan. 17	1,274
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Jan. 21	Feb. 21	494
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 28	Jan. 31	976
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	May 10	May 23	580
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	*Dec. 10	Jan. 8	884
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 11	Feb. 25	1,102
225	28. BENSON, A. R., Internal-Combustion Engines	Feb 25	Mar. 20	1,097
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools	Jan. 11	Jan. 23	1,092
125	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Mar. 10	Mar. 3	1,136
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Jan. 24	Jan. 19	1,059
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 1	Feb. 6	904
70	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Mar. 13	Mar. 5	933
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Feb. 12	Feb. 7	914
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 7	May 14	716
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Feb. 29	Feb. 13	1,458
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 12	Feb. 12	1,460
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Feb. 15	Mar. 3	1,514
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 29	Mar. 1	654
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	*Dec. 18	Apr. 15	1,956
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Feb. 9	Mar. 14	677
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	*Dec. 14	*Dec. 19	1,909
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewage; Surgery; Liquid Separation or Purification.	Jan. 19	Feb. 1	1,309
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Jan. 10	Mar. 18	1,138
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Jan. 12	Jan. 9	1,576
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Feb. 1	Feb. 7	1,140
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Mar. 11	Mar. 27	768
116	48. ROEPKE, O. B., Electricity Conductors; Electricity General Applications	*Dec. 21	Jan. 2	2,259
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Jan. 31	Jan. 10	934
	50.	*Dec. 13	*Dec. 8	1,649
	52.	Mar. 6	Mar. 10	864
102	DESIGNS: C. O. MARKHAM (Acting)	July 1	July 1	605
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, Jr. — Trade-Marks	July 8	July 17	1,782
	Labels and Prints	Aug 1	July 31	56

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

ROSEN AND FISCHEL *v.* TERRY.

No. 1,506. Decided January 2, 1923.

[285 Fed. Rep. 1016.]

1. INTERFERENCE—APPLICATION AND PATENT—BURDEN OF PROOF.

Where an interference was declared between an application of T. and a patent granted to R. and F. before T.'s application was filed, the burden of establishing his case beyond a reasonable doubt rested on T.

2. SAME—ORIGINALITY.

Decisions of the Patent Office tribunals that R. and F. had no part in the invention in issue affirmed.

Mr. Geo. L. Wilkinson and *Mr. Henry M. Huxley* for Rosen et al.

Mr. R. O. Hinkle for Terry.

SMYTH, *C. J.*:

[1] An interference was declared between the application of Samuel L. Terry and a patent granted to Rosen and Fischel. The patent issued before the application was filed, and therefore the burden of establishing his case beyond a reasonable doubt rests on Terry. The patent involved relates to a locking mechanism for an automobile, and is expressed in two counts. We give count 1:

The combination of a steering-shaft having its upper end provided with a reduced extension and a projecting threaded stud, a journal-collar mounted on said reduced extension and provided with a bolt-socket and with a circumferential groove, a nut securing said journal-collar to said shaft, a steering-wheel having a spider provided with a hub mounted on said journal-collar and protecting said nut, a pin in said hub engaging said circumferential groove, and a lock mounted in said spider and equipped with a bolt adapted to engage said socket.

[2] The question involved is one of originality, which depends for its solution upon matters of fact. Each of the three tribunals of the Patent Office made a careful analysis of the testimony. According to the Examiner of Interferences, Terry—

established his right to the invention beyond any reasonable doubt.

The Examiners in Chief said—

that there is absolutely no corroboration of the contention of Rosen and Fischel that they had any part in the invention of the matter in issue,

and the Commissioner declared that there was no basis in the testimony for the claim of Rosen and Fischel that they had any part in the invention. Our study of the record convinces us that these conclusions are correct, and therefore the action of the Commissioner is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

BANCEL *v.* MEIER.

No. 1,625. Decided March 3, 1924.

ESTOPPEL—COPYING CLAIM FROM A PATENT—COPIED CLAIM BROADER THAN PREVIOUSLY MADE BY APPLICANT.

Where B. copied the claim forming the issue from M.'s patent more than two years after the issue of the patent and based his right to copy the claim upon claim 3 of his original application, *Held* that if the claim in issue enlarged B.'s original claim 3 rather than restricted it then B. would be precluded from copying the claim by reason of the limitation fixed in the case of *Chapman and Chapman* v. *Wintroath*, 1920 C. D. 465.

Mr. Geo. F. Scull for Bancel.

Mr. Joshua R. H. Potts, *Mr. Brayton G. Richards*, and *Mr. Geo. V. Parkinson* for Meier.

Before ROBB and VAN ORSDEL, Associate Justices, and SMITH, Judge of U. S. Court of Customs Appeals.

VAN ORSDEL, *J.*:

This is an interference proceeding in which it appears that appellee Meier filed an application August 6, 1915, on which a patent [1,159,783] was granted November 9, 1915. Appellant Bancel originally filed his application May 23, 1913, which was allowed November 30, 1915. It, however, became forfeited for nonpayment of the final fee, and a renewal of the original application was filed by Bancel on November 27, 1917.

On December 4, 1918, Bancel copied into his application, by way of amendment, claim 5 of the Meier patent, which reads as follows:

In a boiler, the combination with water tubes, tile supported by the water tubes and forming a chamber, a heater located in the chamber, and means for controlling the flow of smoke and gases through said chamber, substantially as described.

More than two years having elapsed between the issue of the Meier patent and the date when Bancel copied the claim, it must appear that in the original application of Bancel, there was a claim for the same subject matter as the issue. Bancel bases his right to copy the Meier claim upon claim 3 of his original application, as follows:

An apparatus for absorbing heat from hot gases comprising a boiler provided with a plurality of paths in which the boiler tubes are located and through which the furnace gases pass from the furnace to the smoke-stack, in combination with heat absorbing means located between said paths through which a portion of said gases are adapted to pass from a point of high pressure to a path of low pressure, and means for regulating the flow of gases through said heat absorbent means.

The Commissioner of Patents denied Bancel's right to copy the claim, for the reason that his original claim 3 does not involve the same subject matter as the claim of the issue, Meier's claim 5. From this decision Bancel appeals.

We think the Commissioner was right. The claim in issue includes "tile supported by the water tubes," while claim 3 included means forming "a plurality of paths in which the boiler tubes are located" and and heat-absorbing means "between said paths." The latter are limitations not found in the claim in issue. If the claim were allowed appellant it would preclude appellee from using tile casing since appellant's claim is broad enough to include any means. It is insisted, however, by appellant, that inasmuch as the claim in issue is narrower than his claim 3, he is not precluded from making the claim by reason of the

two-year limitation established by the rule announced in *Chapman* v. *Wintroath*, 252 U. S. 126; 1920 C. D. 465. On the contrary it is urged by counsel for appellee that the claim in issue enlarges Bancel's claim rather than restricts it. If this be true Bancel would be precluded from copying the claim by reason of the limitation fixed in the Wintroath case.

We are, however, in agreement with the Commissioner of Patents to the effect that the claim in issue involves an invention substantially different from that set forth in Bancel's original claim. As said by the Commissioner:

It is clear that Meier aimed at the specific construction and support of the tile chamber in a boiler of the usual construction, while Bancel aimed at the broad arrangement of a heater located between two passages for hot gases. Throughout his correspondence Bancel refers only to his cross flow superheaters. This is emphasized by Bancel's claim 3—that the gases go through his superheater "from a point of high pressure to a point of low pressure." These words are without material significance when applied to Meier.

The whole theory of the Bancel application is to avoid the prior art, which related to a direct flow of the gases on their way from the furnace to the smokestack. Hence to distinguish from the prior art, Bancel relied upon a cross flow of the gases from the point of high pressure to the point of low pressure. In this view of the case, it is quite clear why no construction was included in the terms of claim 3, or indeed of Bancel's disclosure, in which the heat-absorbing means or superheater was located in a path leading directly from the furnace to the smokestack. With this distinction between the construction of the Meier patent and of the Bancel application, it necessarily follows that the Bancel claim and application do not cover the construction of the Meier patent.

It is, therefore, unnecessary to consider the question of abandonment, and other objections raised, since appellant is not entitled to make the claim in issue.

The decision of the Commissioner of Patents, is affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case March 5, 1923, is as follows:

Meier appeals from a decision of the Examiners in Chief awarding priority to the applicant Bancel.

Bancel has the earlier filing date, but he did not make the precise claim of the issue until more than two years after the grant of Meier's patent. Unless he claimed substantially the same invention before he made the claim constituting the issue he is estopped to make the claim now. *Chapman and Chapman* v. *Wintroath*, 1920 C. D. 465; 252 U. S. 126.

Meier contends that he and Bancel stood in the relation of employer and employee; but in view of Meier's preliminary statement showing that he conceived the invention after Bancel had filed his application it is not seen how Meier's contention can establish priority for himself. It is immaterial to the question of priority whether the contract between Meier and Bancel gave Meier any claim to an invention made by Bancel.

It seems that Bancel was a kind of patent adviser to Meier and that one of his duties was to keep Meier informed as to United States patents and other publications relating to steam boilers and superheaters. This being the case, it is significant that Bancel did not discover and contest Meier's claim until more than two years after his patent issued, and then inserted the claim only after Meier's death.

The real contention is whether Bancel claimed the invention in issue before he copied Meier's claim 5. The count reads:

In a boiler, the combination with water tubes, tile supported by the water tubes and forming a chamber, a heater located in the chamber, and means for controlling the flow of smoke and gases through said chamber, substantially as described.

Bancel's original claim 3 as amended October 10, 1913, reads:

3. An apparatus for absorbing heat from hot gases comprising a boiler provided with a plurality of paths in which the boiler tubes are located and through which the furnace gases pass from the furnace to the smokestack, in combination with heat absorbing means located between said paths through which a portion of said gases are adapted to pass from a point of high pressure to a path of low pressure, and means for regulating the flow of gases through said heat absorbing means.

He bases his contention on the allegation that his original claim 3 is for the same invention as the issue. The issue includes "tile supported by the water tubes," a limitation not found in Bancel's claim 3, and Bancel's claim 3 includes "means forming a plurality of paths in which the boiler tubes are located," a limitation not found in the issue. Bancel's claim 3 locates the heat-absorbing means "between said paths," and this also is not in the issue. It is clear that Meier aimed at the specific construction and support of the tile chamber in a boiler of the usual construction, while Bancel aimed at the broad arrangement of a heater located between two passages for hot gases. Throughout his correspondence Bancel refers only to his cross-flow superheaters. This is emphasized by Bancel's claim 3—that the gases go through his superheater "from a point of high pressure to a point of low pressure." Those words are without material significance when applied to Meier.

The case resembles *Wintroath* v. *Chapman and Chapman*, 1918 C. D. 9, where no claim for fluid and ball bearings in combination was inserted by the applicant until after his opponent's patent was granted, although the original claims were much broader than the issue, and the bearings themselves were particularly claimed.

In *Leonard* v. *Everett*, 281 Fed. Rep. 594, it was held that an applicant who was claiming an apparatus could copy method claims from a patent more than two years after the patent was granted; but in this case the method was inherent in the apparatus, and the first inventor of one was necessarily the first inventor of the other.

Bancel's original claim 3 is not for the same invention as the count of this interference.

Bancel argues or assumes that chambers formed of tile, brick, or other separate components are old, that there is nothing but the tubes in water-tube boilers of this type to support such a chamber, and that when the chamber is supported on the tubes it must be somewhere toward the center of the cross section of the boiler. This series of hypothetical statements, each supported by the preceding one, is too weak to support the proposition that there is no real difference between Bancel's claim 3 and the issue. It is evident at a glance that the chamber might be supported on legs resting on the bottom of the boiler or hangers depending from the top or on transverse or longitudinal rods supported by the sides or ends.

The opinion of the Examiners in Chief is reversed, and priority is awarded to the patentee Meier.

Court of Appeals of the District of Columbia.

IN RE DEUTZ AND ORTENBERG, INC.

No. 1,637. Decided March 3, 1924.

1. TRADE-MARK—"HOUSE OF FRANCE"—DECEPTIVE MARK.
The word "House" as used in this mark indicates an individual, firm, or corporation. Therefore the words "House of France" indicates a French firm or a branch of a French firm, and, appellant being neither, the court affirmed the decision of the Patent Office that the mark is deceptive.

2. SAME—SAME—GEOGRAPHICAL MARK.
Even if the appellant were a French firm or a branch of a French firm it would have no right to the exclusive appropriation of a term equally available to every real House of France doing business in this country.

Mr. C. A. Weed for Deutz and Ortenberg, Inc.
Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing registration of the words "House of France," as a trade-mark for blouses, waists, gowns and dresses.

Applicant is a New York corporation and alleges use of this mark since March of 1922. The Examiner of Interferences refused registration on the ground that the mark merely has geographical significance, applicable to any business house located in France, and that, as applied to a house not located in France, it is deceptive. Responding to this Office action, the applicant did not assert that its goods were made in France, but alleged that, as applied to the dresses and other articles of clothing upon which it was used, it was suggestive of that—

good taste, style, line and blend of colors which is essentially French, and is not merely significant of any "business house in France." * * * Since therefore Paris has been considered the acme of perfection in style, a trade mark such as applicant's suggesting the emulation of French lines and style as the distinguishing feature of applicant's goods, would act to create a demand for his goods, and therefore accomplish the purpose of the trade mark.

The Assistant Commissioner, in disposing of the case, said:

Applicant's mark is believed to clearly indicate to the average purchaser that the wearing apparel, gowns, waists, etc., were imported from a business house in France. The use of the word "house" to indicate a commercial or importing house is well-known. When such word is applied to wearing apparel, the inference is at once drawn that the apparel came from that commercial or business place. When the statement is added that this is a commercial place of France, the conclusion is fairly reached by the average purchaser in this country that the clothing was imported from a business house located in France. In this sense, therefore, the mark would be clearly deceptive unless such were the fact. The whole meaning of the mark is geographical as to origin of the goods.

[1, 2] That "House," as used in this mark, indicates an individual, firm, or corporation, is clear. The words "House of France," therefore, as clearly indicate a French firm or a branch of a French firm. Appellant is neither, and, even if it was, would have no right to the exclusive appropriation of a term equally available to every real House of France doing business in this country.

For the reasons stated in detail by the Patent Office, the decision is affirmed.

Affirmed.

The decision of the First Assistant Commissioner, rendered April 20, 1923, is as follows:

The applicant corporation has appealed from the decision of the Examiner of Trade-Marks denying registration to the mark "The House of France", as applied to blouses, waists, gowns, and dresses, in Class 39, Clothing. The denial of registration was based on the ground that the words were merely geographical and that they were also deceptive.

Applicant has cited as precedents the registration of the marks "Madeira House", "Jardin de Paris", "Southern Home", and "California Home", and has strenuously contended that these registrations are conclusive in favor of the registration of applicant's mark.

The mark "Madeira House" is displayed in a particular manner upon a banner, and the mark "California Home" is used in connection with a double triangle. It is believed these are sufficient to distinguish these registrations from the case at bar. The mark "Southern Home" is, at best, merely suggestive that the wheat from which the flour was made grew in the South. The word "Home" has been deemed a good technical mark in connection with many registrations. Without passing upon the validity of the registration of this mark "Southern Home" it is sufficient to here note that the objections to this registration are not the same as urged against the registration of applicant's mark. The mark "Jardin de Paris", applied to perfumery, is fairly deemed fanciful. Perfumeries are not obtained from gardens, save in a very secondary sense. There is no direct deception in applying such a mark to such goods. No one would be likely to be deceived into believing the perfumery had come from a garden in Paris. The long process intervening between the production of flowers in a garden and the manufacture of perfumery is sufficient to take from the average mind any thought that the mark is geographical or descriptive of the origin.

Applicant's mark is believed to clearly indicate to the average purchaser that the wearing apparel,

gowns, waists, etc., were imported from a business house in France. The use of the word "house" to indicate a commercial or importing house or a manufacturing or broker's place of business is well known. When such word is applied to wearing apparel, the inference is at once drawn that the apparel came from that commercial or business place. When the statement is added that this is a commercial place of France, the conclusion is fairly reached by the average purchaser in this country that the clothing was imported from a business house located in France. In this sense, therefore, the mark would be clearly deceptive unless such were the fact. The whole meaning of the mark is geographical as to origin of the goods.

It is believed such a mark should not be registered, and the decision of the Examiner of Trade-Marks is affirmed.

ADJUDICATED PATENTS.

(D. C. Del.) The Smith patent, No. 943,280, for improvements in bessemerizing copper matte, *Held* not anticipated and valid. *Peirce-Smith Converter Co. v. United Verde Copper Co.*, 298 Fed. Rep. 763.

(C. C. A. N. Y.) The Dossleman patent, No. 1,014,211, for a paint remover, claims 7 and 8 *Held* not infringed. *Chadeloid Chemical Co. v. Charles McAdam Co.*, 298 Fed. Rep. 713.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

833,634, J. S. Robeson, Process of treating waste sulfite liquor and compound obtained; 1,069,029, Process of treating roads, etc., appeal filed Feb. 16, 1924, C. C. A. (3d Cir.), Doc. 3143, *Robeson Process Co. v. J. S. Robeson et al.*

852,332, 891,939, G. M. Laub, Paper garment pattern, appeal filed June 27, 1924, C. C. A. (2d Cir.), Doc. 8392, *Excella Pattern Co., Inc., v. The McCall Co.*

860,929, Merrell & Gere, Process of separating the moisture from the constituent solids of liquids; 1,000,931, same, Apparatus for recovering the constituent solids of liquids and semiliquids; 1,282,093, Lietzow & Fleischer, Desiccation process; 1,038,773, J. C. McLachlan, Desiccating apparatus, suits filed June 24, 1924, D. C., N. D. N. Y., Doc. 504, *Merrell-Soule Co. v. Superior Cream Co., Inc.* Same, Doc. 505, *Merrell-Soule Co. v. B. & B. Dairy, Inc.* Same, Doc. 506, *Merrell-Soule Co. v. Beakes Dairy Co.* Same, Doc. 507, *Merrell-Soule Co. v. New Andes Creamery Co., Inc.* Same, Doc. 508, *Merrell-Soule Co. v. The Shepherd Dry Milk Co., Inc.* Same, suit filed June 27, 1924, D. C., Md., Doc. E 603, *Merrell-Soule Co. v. Abbotts Alderney Dairies Inc.* Same, suits filed June 26, 1924, D. C., W. D. Wis., Doc. 51 F, *Merrell-Soule Co. v. West Salem Canning Co.* Same, Doc. 52 F, *Merrell-Soule Co. v. Alma Dry Milk Co.* Same, Doc. 53 F, *Merrell-Soule Co. v. Nestles Food Co.* Same, Doc 54 F, *Merrell-Soule Co. v. New Richmond Milk Products Co.* Same, suit filed June 30, 1924, D C., M. D. Pa., Doc. 433, *Merrell-Soule Co. v. Dewart Milk Products Co.*

891,939. (See 852,332.)

943,280, E. A. C. Smith, Bessemerizing of copper matte, appeal filed Oct. 2, 1923, C. C. A. (3d Cir.), Doc. 3085, *United Verde Copper Co. v. Peirce-Smith Converter Co.* Order dismissing appeal without prejudice and remanding cause for further proceedings (notice dated June 21, 1924).

1,000,931. (See 860,929.)

1,038,773. (See 860,929.)

1,054,130, M. A. McKee, Printing-plate-shaving machine, suit filed June 16, 1924, D. C., E. D. Wis., Doc. 1438 C. D., *C. B. Cottrell & Sons Co. v. Claybourn Process Corp.*

1,069,029. (See 833,634.)

1,081,508, L. W. Luellen, Dispensing apparatus, suit filed Aug. 10, 1915, D. C., S. D. N. Y., Doc. E 12/361, *Individual Drinking Cup Co. v. The Hudson River Day Line.* Final decree sustaining patent as to claims 16, 18, 26, 34, 41, 48, and 49, adjudging infringement of claims 18, 26, 34, 41, 48, and 49, and granting injunction; bill dismissed as to claim 16, filed June 20, 1924.

1,082,784, 1,381,775, A. A. West, Hair curler, suit filed Dec. 20, 1922. D. C., S. D. N. Y., Doc. E 25/179, *West Electric Hair Curler Co. v. Samstag & Hilder Bros. Inc.* Final consent decree sustaining patents, adjudging infringement, and granting injunction filed June 27, 1924.

1,113,275, C. A. Woodbury, Process of varying the velocity of detonation of explosives; 1,124,679, same, Explosive; 1,131,361, F. L. Gallup, Process of making granular nitrate of ammonia, suit filed June 6, 1924, D. C. Del., Doc. E 547, *E. I. du Pont de Nemours & Co. v. The Peerless Explosives Co., Inc.*

1,115,795, R. Esnault-Pelterie, Aeroplane, suit filed June 20, 1924, C. of C., D. of C., Doc. D 388, *R. Esnault-Pelterie v. The United States.*

1,124,679. (See 1,113,275.)

1,131,361. (See 1,113,275.)

1,156,624, J. R. Pagin, Duplex lighting system; 1,194,658, same, Combination automobile lamp, suit filed Oct. 16, 1923, D. C., N. D. Ohio (E. Div.), Doc. 584, *Indiana Lamp Co. et al. v. The Alvo Mfg. Co.* Final decree after mandate from circuit court of appeals entered June 19, 1924, holding claims 2 and 3 of Patent 1,156,624 invalid, bill dismissed. Claims 1, 2, and 4 of Patent 1,194,658 held valid, claims 1 and 4 infringed by defendant, The Alvo Mfg. Co. and H. A. Mykrantz, assignee; perpetual injunction granted against defendant and assignee as to claims 1, 2, and 4 of Patent 1,194,658.

1,180,432, Roberti, jr., & Roberti, Nonstretching ventilated mattress, interlocutory decree entered June 5, 1924, holding patent valid, particularly as to claims 2 and 3, injunction issued June 6, 1924, permanently enjoining defendant; referred to special master, D. C., S. D. Calif. (S. Div.), Doc. G. 79, *A. Roberti, jr., et al, v. J. H. Jonas et al.*

1,194,658. (See 1,156,624.)

1,198,246, G. A. Lyon, Buffer for motor vehicles, suit filed June 30, 1921, D. C., S. D. N. Y., Doc. E. 22/24, *G. A. Lyon et al. v. Boh & Boh (Biflex Products Co.)* Final decree adjudging noninfringement and dismissing complaint filed June 25, 1924.

1,206,917. (See 1,313,232.)

1,227,290, R. Mery, Automobile body construction, suit filed June 17, 1924, D. C., S. D. N. Y., Doc. 29/286, *R. Mery v. The Studebaker Corp. of America.*

1,235,697, J. Kelling, Fleshing machine; 1,382,126, Schroedter & Kelling, same, final decree for plaintiff, June 9, 1924, D. C., E. D. Wis., Doc. 1160 C. D., *Monarch Fleshing Machine Co. v. J. Laskin et al.*

1,243,068, D. Humphrey, Process for producing carbonated beverages, suit filed June 23, 1924, D. C., N. D. Ohio, Doc. 1182, *H. J. McCue (Humphrey Dispenser Co.) v. Head & McCarthy.*

1,261,222, Earles & Lowe, Fly-killing device, order affirming decree of district court (notice dated June 2, 1924), C. C. A. (3d Cir.), Doc. 3089, *F. E. Earles et al. v. A. W. Drake Mfg. Co. et al.*

1,262,860, 1,263,138, S. B. Smith, Incubator, suit filed June 11, 1924, D. C., E. D. Wash., Doc. 1284, *The Buckeye Incubator Co. v. J. Moorehead.*

1,263,138. (See 1,262,860.)

1,282,093. (See 860,929.)

1,313,232, E. O. Speckerman, Hair-waving means and process producing same; 1,206,917, P. Roos, Hair-curling apparatus, final decree sustaining claims 5 and 7 of Patent 1,313,232, adjudging infringement of said claims, and granting injunction. Plaintiff's motion to discontinue as to Patent 1,206,917 granted; order staying injunction pending appeal filed June 16, 1924, D. C., S. D. N. Y., Doc. E 24/52, *E. Frederics, Inc., v. Eugene, Ltd.* Same, Doc. E 24/62, *E. Frederics, Inc., v. W. H. Vickery.*

1,323,869. (See Re. 14,777.)

1,339,811, A. C. Dobrick, Valve-regulating means, consent decree for plaintiff May 29, 1924, D. C., E. D. Wis., Doc. 1392 C. D., *The Imperial Brass Mfg. Co. v. Briggs & Stratton Co.*

1,355,074, D. P. Cleveland, Process of removing surface finish, final decree restraining defendant from infringing filed June 11, 1924, D. C. Wash., Doc. E 313, *National Paint Removing Co. of Washington v. H. R. Cochran et al. (Modern Paint Removing Co.).*

1,381,775. (See 1,082,784.)

1,382,126. (See 1,235,697.)

1,386,887, A. K. Malmquist, Art of canning; 1,475,469, N. P. Bach, Method of and apparatus for sealing containers, suit filed June 21, 1924, D. C. Wash., Doc. 407, *Thermokept Corp. v. A. K. Malmquist et al.*

1,389,095. (See Re. 15,648.)

1,389,577. (See Re. 15,648.)

1,397,347. (See 1,408,490.)

1,400,171. (See Re. 14,777.)

1,405,739, J. Ratz, Bolting-up device, suit filed June 23, 1924, D. C. Md., Doc. E 600, *J. Ratz v. The Bethlehem Shipbuilding Corp., Ltd.*

1,408,490, N. W. Traviss, Reversing mechanism for straw stackers; 1,397,347, F. J. Wood, Thrashing machine, suit filed June 23, 1924, D. C., S. D. Iowa (C. Div.), Doc. E 4257, *Wood Brothers Thresher Co. v. Nichols & Shepart Co.*

1,425,956, E. O. Frederics, Hair-waving means, final decree sustaining patent as to claims 9 and 10, adjudging infringement, and granting injunction; order staying injunction pending appeal filed June 16, 1924, D. C., S. D. N. Y., Doc. 1 26/253, *E. Frederics, Inc., v. Eugene, Ltd.*

1,439,695, 1,439,696, H. W. Doughty, Ink, final decree pro confesso in favor of plaintiff, sustaining patents, adjudging infringement, and granting injunction filed June 19, 1924, D. C., S. D. N. Y., Doc. E 28/334, *Alchemic Gold Co., Inc., v. Standard Bindery, Inc.*

1,439,696 (See 1,439,695.).

1,465,767, L. Krause, Bulletproof armor, suit filed June 16, 1924, D. C., S. D. N. Y., Doc. E 29/284, *American Armor Corp. v. E. W. Bradbury.*

1,475,469. (See 1,386,887.)

1,487,189, L. J. Wahl, Clipper, suit filed June 3, 1924, D. C., E. D. Wis., Doc. 1429 C. D., *L. J. Wahl et al. v. M. Andis et al.*

1,490,040, 1,490,041, M. W. Sterns, Electrical coil, suit filed June 14, 1924, D. C. R. I., Doc. 190, *Electrical Products Mfg. Co. v. Coto-Coil Co. et al.*

1,490,041. (See 1,490,040.)

Re. 14,777, J. L. Kraft, Process of sterilizing cheese and an improved product produced by such; 1,400,171, same, Process of preparing cheese; 1,323,869, same, Process of treating cheese, suit filed June 4, 1924, D. C., E. D. Wis., Doc. 1431 C. D., *J. L. Kraft & Bros. Co. v. Pabst Corp.*

Re. 15,648, E. E. Eldredge, Process of sterilizing cheese; 1,389,095, Carpenter & Eldredge, Swiss cheese and method of sterilizing same; 1,389,577, same, Cheese and process for sterilizing same, suit filed June 4, 1924, D. C., E. D. Wis., Doc. 1432 C. D., *Phenix Cheese Co. v. Pabst Corp.*

T. M. 87,574, H. B. Taylor, Pills for female complaints, appeal filed Oct. 2, 1923, C. C. A. (3d Cir.), Doc. 3086, *I. J. Taylor et al. v. E. E. Bostick.* Order affirming decree of district court (notice dated June 21, 1924).

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,342,678, H. H. Houghton, Valved coupling for lubricators, decided July 1, 1924, claims 1, 2, and 3.

Pat. 1,454,741, Howard and Turner, Hot top for multiple casting of metal ingots, decided July 8, 1924, claims 1, 2, 3, 10, and 11.

Changes in Examining Divisions.

Order No. 2,876, Aug. 1, 1924, reads as follows:

It is hereby directed that new Examining Divisions 50, 51, 52, and 53 be established, and that the following classes and subclasses be transferred thereto, this order to take effect immediately:

Division 50, Examiner C. L. Blake, in charge:
- Classes 106, Plastic Compositions, from Division 6.
- 134, Liquid Coating Compositions, from Division 6.
- 154, Laminated Fabric and Analogous Manufactures, from Division 15.
- 91, Coating, from Division 17.

Division 51, Examiner C. D. Backus, in charge:
- Classes 250, Radiant Energy, from Division 16,
- 178, Telegraphy, the following subclasses, from Division 16:

Systems

- 44 Wave transmission
- 45 Loaded circuit
- 45 Loading coils.

- 179, Telephony, the following subclasses, from Division 16:

Systems

- 2 Composite
- 3 Telegraphy
- 4 Metallic circuit,
- 15 Multiplex.
- **170 Repeaters.**
- **171 Relays.**

- 250, Radiant Energy, the following subclass from Division 48:
  - **41 Condensers.**
- 176, Electric Lamps, from Division 42.

Division 52, Examiner E. C. Morgan, in charge:
Classes 258, Railway Mail Delivery, from Division 4.
248, Supports, from Division 8.
284, Valved Pipe Joints or Couplings, from Division 33.
285, Pipe Joints or Couplings, from Division 33.
287, Rod Joints or Couplings, from Division 33
227, Fire Escapes, from Division 46.
228, Ladders, from Division 46.
304, Scaffolds, from Division 46.
286, Packed Shaft or Rod Joints, from Division 49.
288, Joint Packings, from Division 49.
Division 53, Examiner M. K. Peck, in charge:
Classes 11, Books, Making, from Division 5.
281, Books, Strips, and Leaves, from Division 5.
282, Manifolding, from Division 5.
283, Printed Matter, from Division 5.
135, Tents, Canopies, Umbrellas, and Canes, from Division 2.
120, Stationery, from Division 38.
35, Educational Appliances, from Division 46.
129, Paper Files and Binders, from Division 46.
156, Curtains, Shades, and Screens, from Division 46.

Associate (First Assistant) Examiner C. J. Spencer is hereby assigned as Acting Examiner in charge of Division 16.

The transfer of the following additional classes is also directed, to take effect immediately:

Class 181, Acoustics, from Division 23 to Division 5.

Class 274, Sound Recording and Reproducing, from Division 23 to Division 5.

Class 149, Hides, Skins, and Leather, from Division 11 to Division 6.

Class 127, Sugar, Starch, and Carbohydrates, from Division 31 to Division 6.

Class 159, Concentrating Evaporators, from Division 31 to Division 6.

Class 85, Driven, Headed, and Screw-Threaded Fastenings, from Division 13 to Division 11.

Class 164, Cutting and Punching Sheets and Bars, from Division 14 to Division 11.

Class 58, Horology, from Division 47 to Division 23.

Class 161, Time Controlling Mechanism, from Division 47 to Division 23.

Class 20, Wooden Buildings, from Division 46 to Division 33.

Class 305, Land Vehicles, Wheel Substitutes, from Division 10 to Division 41.

Class 3, Artificial Body Members, from Division 20 to Division 43.

Class 32, Dentistry, from Division 20 to Division 43.

Class 213, Railway Draft Appliances, from Division 44 to Division 43.

Class 122, Liquid Heaters and Vaporizers, from Division 18 to Division 46.

Class 169, Fire Extinguishers, from Division 43 to Division 46.

Class 185, Motors, from Division 45 to Division 47.

Class 267, Spring Devices, from Division 45 to Division 47.

Class 34, Driers, from Division 36 to Division 49.

Class 210, Liquid Separation or Purification, from Division 43 to Division 49.

It is hereby directed that the following classes be established in Division 16:

Class 136, Batteries, with the following subclasses taken from class 204, Electrochemistry, in Division 3, in which class they are abolished:

Batteries
49 Anodes,
54 Carbon,
50 Cathodes,
52 Connectors,
51 Diaphragms,
47 Earth,
48 Gas,
33 One fluid
55 Iron,
34 Zinc
39 Chlorides,
37 Chromates,
35 Nitrates,
38 Oxides,
36 Sulphates,
46 Piles,
29 Secondary,
40 Two fluid
56 Iron,
41 Zinc
45 Chromates,
42 Nitrates,
43 Sulphates
44 Gravity,
53 Vessels and supply devices.

Class 201, Resistances and Rheostats, with the following subclasses taken from class 219, Electric Heating and Rheostats, in Division 3, in which class they are abolished:

48 **Rheostats**
49 Lamp socket,
50 Compressible
51 Pile,
52 Spring,
53 Embedded resistance,
54 Pile,
55 Continuous resistance
56 Helix,
57 Liquid,
58 Penetration,
59 Reel,
60 Tapering,
61 Ping boxes,
62 Rectilinear slide,
63 **Resistance elements**
64 Embedded
65 Fluid,
66 Granular,
67 Incased coils,
68 Piles,
69 Zigzag grids,
70 Zigzag helix,
71 Compound helix,
72 Granular,
73 Lamellar
74 Ribbon,
75 Carbon,
76 Composition.

It is hereby directed that the title of class 219, Electric Heating and Rheostats, be changed to read class 219, Electric Heating.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 19, 1924.

[VOL. 325. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 147,151. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK BLANK & CO., doing business as United States Cotton Mills, New York, N. Y. Filed May 3, 1921.

UNITED STATES COTTON MILLS

NE PLUS ULTRA
CCC
MADE IN U.S.A.

Applicant hereby disclaims the right to the exclusive use of the words "Ne Plus Ultra" and "Made in U. S. A." apart from the trade-mark as shown on the accompanying drawing.

Particular description of goods.—Cotton Sheetings.

Claims use since Apr. 1, 1920.

Ser. No. 153,960. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE SELLAR, Glasgow, Scotland. Filed Oct. 10, 1921.

THE PURPLE HEATHER 2989 SCOTCH GINGHAM

The trade-mark consists of the figures "2989" in green block type with the words "Purple Heather" printed across same and the word "The" above, and "Scotch Gingham" underneath same. The whole is inclosed within a scroll device and a circle at either end containing a sprig of white heather and with a thick black line over top and bottom of the whole mark. No claim is made to the exclusive use of the words "Scotch Gingham," the numerals "2989" and the device of a sprig except in connection with the mark shown on the drawing.

Particular description of goods.—Patterned Cotton Ginghams in the Piece.

Claims use since August, 1921.

Ser. No. 162,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed Apr. 22, 1922.

ARISTOCRAT

Particular description of goods.—Canned Fruit.

Claims use since Jan. 27, 1922.

Ser. No. 163,970. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHESTER D. COLE & WINSLOW J. BURTT, doing business as Black Diamond Chain Co., Bradford, Haverhill, Mass. Filed May 17, 1922.

BLACK DIAMOND

Particular description of goods.—Antiskid Chains and Hooks for the Same.

Claims use since on or about Feb. 10, 1922.

Ser. No. 166,031. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed June 26, 1922.

Crysteel

Particular description of goods.—Enameled Stamped Metal Table Tops and Kitchen Shelves.

Claims use since about Jan. 2, 1922.

Ser. No. 170,117. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWARD F. BAUMANN, Cromwell, Conn. Filed Sept. 30, 1922.

THE FAMOUS



JUMBO PANSIES

No claim is made to the words "The Famous Pansies" nor to the representation of the goods apart from the mark as shown.

Particular description of goods.—Flowering Plants—to wit, Pansies.

Claims use since June 20, 1921.

Ser. No. 172,288. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NOJAR MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 20, 1922.

NOJAR

Particular description of goods.—Shock Absorbers.

Claims use since Nov. 15, 1922.

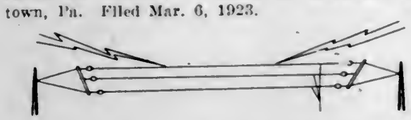
Ser. No. 174,159. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Jan. 3, 1923.

SWANEE

Particular description of goods.—Sheet-Metal Shingles.

Claims use since 1908.

Ser. No. 177,052. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. SCHAFFER, Allentown, Pa. Filed Mar. 6, 1923.



RADIO KISSES

The word "Kisses" is disclaimed apart from the mark shown, the mark being specifically applied to candy kisses.

Particular description of goods.—Candies.

Claims use since about Feb. 15, 1923.

Ser. No. 177,614. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NELSON VALVE COMPANY, now by change of name Nelson Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1923.



Trade-mark consists of the name "Nelson" and portrait of the late Horatio Nelson.

Particular description of goods.—Pressure Gauges, Manometers, Indicator Gauges, Steam Gauges, Gauge Fittings for the Foregoing Gauges, and Revolution Counters.

Claims use since Feb. 1, 1923.

Ser. No. 178,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN SALT CO., San Diego, Calif. Filed Apr. 4, 1923.

That Salty Salt

No claim being made to the words "Salty Salt" except in the particular form written and in connection with the rest of the mark.

Particular description of goods.—Salt.

Claims use since Feb. 1, 1923.

Ser. No. 179,002. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILL'S MIXTURE CORPORATION, Augusta, Ga. Filed Apr. 11, 1923.



The picture forming a feature of the trade-mark as shown on the drawing is that of Leonard Dozier Hill. All wording appearing on the drawing, with the exception of "Hill's" and the words "Hill's Mixture Corporation" is disclaimed apart from the mark as shown on the drawing. The lining appearing on drawing indicates shading only.

Particular description of goods.—Insect Destroyer or Disinfectant.

Claims use since Mar. 26, 1923.

Ser. No. 179,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOPHIE M. CAVALLIOTIS, doing business as Latona Laboratories, New York, N. Y. Filed Apr. 14, 1923.

LATONA

Particular description of goods.—Vanishing Day Cream and Night Cream.

Claims use since Feb. 27, 1923.

Ser. No. 179,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL P. PAPADIMITRIW, Akron, Ohio. Filed Apr. 25, 1923.



Particular description of goods.—Ice-Cream Confection.

Claims use since about Oct. 13, 1922.

Ser. No. 180,422. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUKOL CHEMICAL COMPANY, INC., New York, N. Y. Filed May 10, 1923.

Eukol

Particular description of goods.—Composition of Matter to be Used in the Form of a Mouth Wash.

Claims use since Apr. 16, 1923.

Ser. No. 180,611. (CLASS 15. OILS AND GREASES.) LUBAC CORPORATION, Chicago, Ill. Filed May 14, 1923.

Lubac

Particular description of goods.—Lubricating Oil, Penetrating Oil and Rust Remover, and Thread-Cutting Oil.

Claims use since Sept. 16, 1922.

Ser. No. 181,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. A. HIGGINS & CO., INC., New York, N. Y. Filed May 24, 1923.



The word "Brand" is disclaimed apart from the other features of the mark.

Particular description of goods.—Walnuts in the Shell.

Claims use since Jan. 1, 1921.

Ser. No. 181,654. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SOCIÉTÉ FRANCAISE TREUGOLNIK, Levallois-Perret, Seine, France. Filed June 7, 1923. Under ten-year proviso.



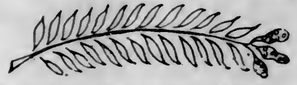
Trade-mark consists of the representation of a triangle with an inscription "1860. T.P.A.P.M. С. ПЕТЕРБУРГЪ."

Particular description of goods.—Packings Made in Whole or in Part of Rubber, Rubber Pneumatic Tires, Inner Tubes, Tire Patches, and Belting Made in Whole or in Part of Rubber.

Claims use since 1888.

Ser. No. 182,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE M. H. SCOTT CANDY COMPANY, Mansfield, Ohio. Filed June 22, 1923.

Scott's
ACACIA



Particular description of goods.—Candy.
Claims use since Jan. 30, 1923.

Ser. No. 182,642. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARROW PAINT & WALL PAPER COMPANY, Denver, Colo. Filed June 30, 1923.

ARROW

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Paint Enamels, Lead for Use in Paints, Varnishes, and Stains.
Claims use since May 1, 1916.

Ser. No. 183,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "CORN-OFF" CO., Los Angeles, Calif. Filed July 14, 1923.

"CORN-OFF"

Particular description of goods.—Remedy for Corns, Calli, and Bunions.
Claims use since about January, 1916.

Ser. No. 184,223. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES PRODUCTS CORPORATION, San Francisco, Calif. Filed Aug. 8, 1923.

USP

Particular description of goods.—Dried and Canned Fruits and Vegetables.
Claims use since Dec. 15, 1921.

Ser. No. 184,283. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH A. FAHLSTROM, doing business as R-juna Chemical Company, Minneapolis, Minn. Filed Aug. 10, 1923.

R-juna

Particular description of goods.—Skin Cream and Tooth Paste.
Claims use since Apr. 1, 1923.

Ser. No. 184,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed Aug. 22, 1923.

Aristocrat

Particular description of goods.—Canned Fruit.
Claims use since September, 1921.

Ser. No. 185,939. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BUEL WELSH RICHARDS, Beach, N. Dak. Filed Sept. 19, 1923.



Without waiving any common-law rights the applicant disclaims for the purpose of trade-mark registration the right to the exclusive use of the word "Coal" except in association shown in the drawing.
Particular description of goods.—Coal.
Claims use since Apr. 1, 1923.

Ser. No. 185,953. (CLASS 12. CONSTRUCTION MATERIALS.) EDWARD BRYANT COMPANY, Boston, Mass. Filed Sept. 20, 1923.



Without waiver of our common-law rights no claim is made under the statute for the words "Finish Lime" or surname "Tolman" apart from the mark shown in the drawing.
Particular description of goods.—Lime.
Claims use since on or about July 1, 1914.

Ser. No. 186,991. (CLASS 12. CONSTRUCTION MATERIALS.) THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio. Filed Oct. 15, 1923.

PHOENIX

Particular description of goods.—Metal Lath.
Claims use since 1914.

Ser. No. 187,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 16, 1923.

CASCADE

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Canned Fish.
Claims use since July 31, 1908.

Ser. No. 187,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SISSON-SEIELSTAD-HOUGEN CO., La Crosse, Wis. Filed Oct. 19, 1923.

CALENDAR

Particular description of goods.—Canned Fruits, Canned Vegetables, Tea, Coffee, Canned Fish, Oysters, Canned Muscat Grapes, Pickles; Condiments—Namely, Chowchow; Canned Meats—Namely, Sliced Beef; Peanut Butter, Prepared Mustard, Fruit Preserves, Fruit Jams, Fruit Jellies, Table Sirup, Evaporated Milk; Breakfast Cereals—Namely, Rolled Oats; Chocolate Candy.
Claims use since 1914.

Ser. No. 189,227. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALTMAN FELLERMAN SILK COMPANY, INC., New York, N. Y. Filed Dec. 5, 1923.

JOYSILK
PONGEE
GUARANTEED TO WEAR TWO YEARS

Altman-Fellerman Silk Co.

No claim is made to the exclusive use of the words "Pongee Guaranteed to Wear Two Years" apart from the mark shown in the drawing, no claim being made further to the applicant's name as a part of the mark except in connection with the remainder of the mark shown in the drawing; but no common-law right to the use of said words and said name is hereby waived.
Particular description of goods.—Silk, Imitation Silk, Pongee, and Sea-Island Cotton in the Piece.
Claims use since Sept. 1, 1923.

Ser. No. 189,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN D. CARDINELL, doing business as Cardinell-Sales Co., Montclair, N. J., assignor to Ink-Out Mfg. Co., Inc., Montclair, N. J., a Corporation of New Jersey. Filed Dec. 18, 1923.

INK OUT

No exclusive right to the words "Ink" or "Out" is claimed apart from the mark as shown.
Particular description of goods.—Chemical Preparation for Use as an Ink Eradicator.
Claims use since Nov. 8, 1923.

Ser. No. 190,665. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JACOB ADLER, Brooklyn, N. Y., assignor to Adler Chemical Co., Portland, Oreg., a Corporation of Oregon. Filed Jan. 11, 1924.

ANTELYN

Particular description of goods.—Wood Fillers.
Claims use since Jan. 1, 1924.

Ser. No. 190,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACAWA MEDICINE CO., New Orleans, La. Filed Jan. 15, 1924.

JA-CA-WA

Particular description of goods.—Lung Balsam for Coughs, Colds, Bronchitis; Herb Tea for Liver, Stomach, and Bowel Troubles; and Liniment for Pains and Aches.
Claims use since prior to 1898.

Ser. No. 191,114. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AKTIEBOLAGET YVY-FABRIKEN, Ystad, Sweden. Filed Jan. 22, 1924.

YVY

Particular description of goods.—Knife Polish, Shaving Soap, Soft Soap, Laundry Soap, Silk Soap, Polishing Stone, Washing Powder, Soap Powder, Toilet Soap, Washing Soap, Liquid for Scouring Clothes Known as Scouring Drops, Soaps Containing an Extract of the Bark of Quillaja Saponaria and Pomatum, and Zinc-Cleaning Compound.
Claims use since 1900.

Ser. No. 191,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT CO., Seattle, Wash. Filed Jan. 23, 1924.

Thomsen's

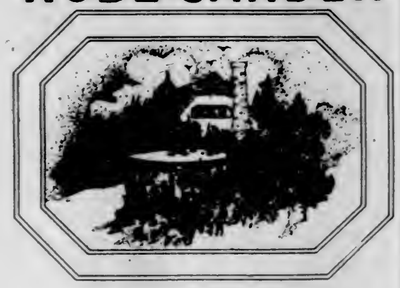
Trade mark consists of the word "Thomsen's" as written by Mr. M. Thomsen, president of the applicant corporation.

Particular description of goods.—Candy.

Claims use since Dec. 29, 1923.

Ser. No. 191,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AKRON GROCERY COMPANY, Akron, Ohio. Filed Feb. 2, 1924.

ROSE GARDEN



Particular description of goods.—Canned Fruits and Canned Vegetables, Canned Pork and Beans.

Claims use since about January, 1923.

Ser. No. 191,777. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LOS ANGELES MANUFACTURING COMPANY., Los Angeles, Calif. Filed Feb. 4, 1924.

LAMCO

Particular description of goods.—Pipe Joints, Well Casings, and Water Pipes.

Claims use since Jan. 1, 1923.

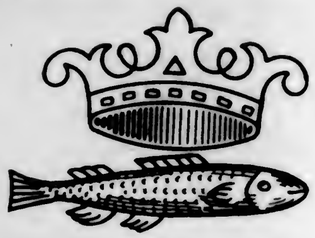
Ser. No. 192,132. (CLASS 39. CLOTHING.) LUNN AND SWEET, INC., Auburn, Me. Filed Feb. 11, 1924.

Ankle Bandage

Particular description of goods.—Leather and Fabric Shoes.

Claims use since Nov. 1, 1923.

Ser. No. 192,225. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Feb. 13, 1924. Under ten-year proviso.



Particular description of goods.—Fishing reels, Fishing Lines, Snelled Hooks, Artificial Baits, Fishing Floats, Fly and Tackle Books, Bait and Tackle Boxes, Bait and Minnow Pails, Fish Nets, Leaders, Rod Guides, Rod Tips, Rod Ferrules, Reel Seats, Butt Caps for Fishing Poles, Winding Checks, and Flies.

Claims use since 1893.

Ser. No. 192,493. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE CRUSH CO., Chicago, Ill. Filed Feb. 18, 1924.



Apart from the mark shown in the drawing no claim is made for the representation of three bottles, and the word "Bottle" appearing on said drawing is also disclaimed.

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages.

Claims use since Oct. 10, 1922.

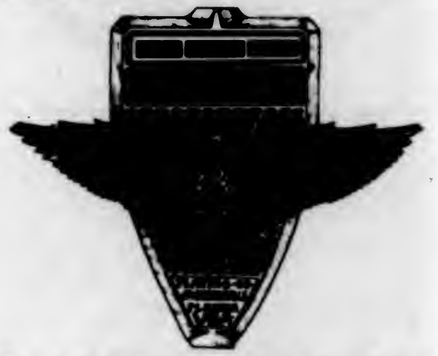
Ser. No. 192,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SECKEL-FRITCHMAN AND COMPANY, a Corporation, Boise, Idaho. Filed Feb. 19, 1924.

OREGON TRAIL

Particular description of goods.—Coffee, Tea, Spices, Peanut Butter, and Potato Chips, Candy, and Salted Peanuts.

Claims use since Jan. 2, 1924.

Ser. No. 192,750. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CHARLES BARTON, doing business as National Plating Works, Jacksonville, Fla. Filed Feb. 25, 1924.



No claim is made to the words "Jacksonville" and "Florida" apart from the mark shown; by disclaiming the letters "U. S. A."; applicant disclaims the use of the words "Plating Co." apart from the mark as shown on the drawing; by disclaiming the word "National" apart from the mark shown, no common-law rights, however, being waived.

Particular description of goods.—Automobile Accessories—Namely, Bumpers, Radiator Fronts, and Step Plates.

Claims use since Feb. 21, 1924.

Ser. No. 192,936. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) STAR GARTER CO., Chicago, Ill. Filed Feb. 27, 1924.

STARTEX

Particular description of goods.—Sanitary Step-Ins, Sanitary Aprons, and Sanitary Belts.

Claims use since July 24, 1923.

Ser. No. 193,140. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEWART MANUFACTURING CORPORATION, Chicago, Ill. Filed Mar. 1, 1924.

Stewart

The trade-mark is a facsimile of the signature of John K. Stewart, the founder of the business.

Particular description of goods.—Metal Bearings.

Claims use since about Dec. 15, 1921.

Ser. No. 193,404. (CLASS 12. CONSTRUCTION MATERIALS.) LAMINATED MATERIALS COMPANY LIMITED, New Westminster, British Columbia, Canada. Filed Mar. 7, 1924.

Lamatco

Particular description of goods.—Multiply Wood Veneer.

Claims use since July 1, 1923.

Ser. No. 193,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLANCHETTE & GAZZARA CORP., Chicago, Ill. Filed Mar. 11, 1924.

Del Alpe

Particular description of goods.—Canned Meats—Viz, Chicken, Deviled Chicken, Deviled Ham, Sliced Beef, Tongue, and Bacon; Salami Sausage; Relishes—Namely, Chili Sauce, Green and Ripe Olives, Red Peppers, Sweet Relish Pickles, Tomato Catchup, and Cocktail Catchup; Spices—Namely, African Ginger, Black Pepper, Capers, Allspice, Cinnamon, Celery Salt, Cloves, Mace, Mustard, Nutmeg, Paprika, and Sage; Prepared Mustard, Mexican Chili, Vinegar, Butter, Peanut Butter, Eggs, Condensed Milk; Flour and Cereals—Namely, Barley, Cake Flour, Corn Meal, Hominy, Pancake Flour, Rice, Rice Flour, and Graham Flour; Bakery Goods—Namely, Cookies, Cakes, and Crackers; Sugar, Tapioca.

Claims use since July 1, 1920.

Ser. No. 193,772. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ADOLPH S. HERRMANN, New York, N. Y. Filed Mar. 14, 1924.

MONOTEX

Particular description of goods.—Towels, Face Cloths, Bath Mats, and Bath Sheets Constructed of Cotton, Woolens, or Linen.

Claims use since Dec. 1, 1923.

Ser. No. 193,960. (CLASS 12. CONSTRUCTION MATERIALS.) THE RICHARDSON COMPANY, Lockland, Ohio. Filed Mar. 17, 1924.

OPAL

Particular description of goods.—Prepared Roofing Products, Particularly Shingles, Slabs, and Rolls.

Claims use since July 25, 1923.

Ser. No. 194,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. BARRETT, doing business as Barrett Liniment Co., New York, N. Y. Filed Mar. 22, 1924.

DOX

Particular description of goods.—Liniment.
Claims use since about Jan. 1, 1924.

Ser. No. 194,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. BARRETT, doing business as Barrett Liniment Co., New York, N. Y. Filed Mar. 22, 1924.



The portrait appearing on the drawing is a likeness of the registrant.
Particular description of goods.—Liniment.
Claims use since Jan. 1, 1924.

Ser. No. 194,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS SIMPSON, Beaumont, Tex. Filed Mar. 22, 1924.



The portrait shown in drawing is that of applicant.
Particular description of goods.—Medicine for Gonorrhea, Gleet, and Stricture.
Claims use since November, 1923.

Ser. No. 194,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REED BROS., Fort Fairfield, Me. Filed Mar. 24, 1924.



No claim is made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods—Potatoes in Their Natural State.
Claims use since Feb. 29, 1924.

Ser. No. 194,475. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM PRENTISS, Jr., doing business as California Almond Confections Company, Long Beach, Calif. Filed Mar. 26, 1924.

All Sweet

The descriptive words "All Sweet" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Candy; Candy-Coated Nuts—Namely, Almonds; Confections Composed of Nut Meats, Chocolate, and Fondant.
Claims use since July 25, 1923.

Ser. No. 194,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL BLUE STORES, INC., Chicago, Ill. Filed Mar. 26, 1924.

Blue Front BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Canned Fruits and Fruit Preserves, Including Apples, Apple Butter, Apple Sauce, Apricots, Apricot Butter, Blackberries, Blackberry Preserves, Blueberries, Royal Anne Cherries, Pitted Cherries, Egg Plums, Figs, Grapes, Grapefruit, Grape Marmalade, Gooseberries, Loganberries, Loganberry Preserves, Peaches, Pears, Pineapple, Red Raspberries, Red-Raspberry Preserves, Strawberries, Strawberry Preserves; Canned Vegetables, Including Asparagus, Baked Beans, Beets, Celery, Kidney Beans, Lima Beans, Okra, Peas, Pumpkin, String Beans, Succotash, Sweet Corn, Sweet Potatoes, Tomatoes, and Spinach; Canned Sea Food—

Namely, Clams, Codfish, Lobster, Oysters, and Shrimp; Canned Meats—Namely, Chicken, Deviled Chicken, Deviled Ham, Sliced Beef, Tongue, and Bacon; Canned Soups, Including Bean, Clam Chowder, and Tomato; Canned Mincemeat and Plum Pudding; Relishes—Namely, Chili Sauce, Green and Ripe Olives, Red Peppers, Sweet Relish Pickles, Tomato Catchup, and Cocktail Catchup; Spices—Namely, African Ginger, Allspice, Black Pepper, Capers, Celery Salt, Cinnamon, Cloves, Curry Powder, Mace, Mustard, Nutmeg, Poultry Seasoning, Prepared Mustard, Paprika, White Pepper, and Sage; Mexican Chilis, Salad Dressing, Vinegar, Condensed Milk, Coffee, Tea, Citron Peel, Crystallized Ginger, Butter, Dried Grapefruit Peel, Dried Lemon Peel, and Dried Orange Peel; Shredded Cocoanut, Walnut Meats in Their Natural State, Peanut Butter, Marshmallow Crême, Maple Sirup, Sugar, Dessert Tapioca, Pearl Tapioca; and Flour and Cereals—Namely, Barley, Cake Flour, Farina, Wheat Breakfast Food, Lye Hominy, Granulated Hominy, Pearl Hominy, Pancake Flour, Pop Corn in Its Natural State, Rice, Rice Flour, Self-Rising Buckwheat Flour, Corn Meal, and Wheat Flour, Wheat Bran, Graham Flour, Entire-Wheat Flour, and Gluten Flour.
Claims use since August, 1923.

Ser. No. 194,525. (CLASS 15. OILS AND GREASES.) CAIN OIL COMPANY, San Antonio, Tex. Filed Mar. 27, 1924.

Cainco

Particular description of goods.—Lubricating Oils and Greases—Namely, Motor, Cylinder, Engine, and Tractor Oil, Cup and Gear Grease.
Claims use since Sept. 11, 1922.

Ser. No. 194,676. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SOCIETY FOR VISUAL EDUCATION, Chicago, Ill. Filed Mar. 29, 1924.

PICTUROL

Particular description of goods.—Picture-Projection Sets or Outfits, Picture-Projection Apparatus and Machines, Carrying Cases Therefor, Pictures and Sets of Pictures Adapted for Projection, Descriptive Matter Coordinated and Related to Said Pictures and Sets of Pictures, and Cabinets Adapted for Receiving Said Projection Apparatus, Pictures, and Printed Matter.
Claims use since on or about Oct. 1, 1923.

Ser. No. 194,770. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BALDWIN Perfumery Co., Chicago, Ill. Filed Apr. 1, 1924.

Peach Blow

Particular description of goods.—Hairdressings, Perfumes and Essences and Perfume Extracts, Dentifrices, Sachet Powder, Cold Cream, Face Cream, Face Lotion, Hand Lotion, Rouge, Face Powder, Lip Sticks, Toilet Waters, and Eyebrow Pencils.
Claims use since Mar. 20, 1886.

Ser. No. 194,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUBY LUDINGTON, Seattle, Wash. Filed Apr. 3, 1924. Under ten year proviso.



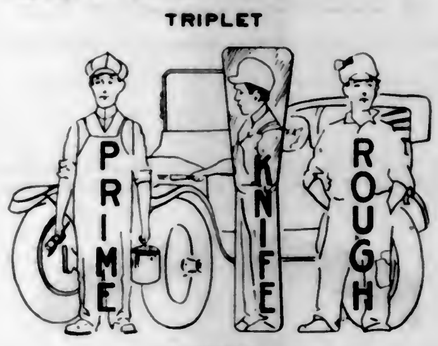
Particular description of goods.—Facial Cream.
Claims use since prior to Jan. 1, 1892.

Ser. No. 195,170. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK HAKLISCH, doing business as Reflecto Wash & Polish Co., New York, N. Y. Filed Apr. 8, 1924.



The letter "R" in the monogram is lined for the color red. The letter "W" is lined for shading only.
Particular description of goods.—Wash and Polish to Be Applied to Automobiles, Furniture, and Leather Goods.
Claims use since Mar. 20, 1924.

Ser. No. 195,223. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THOMAS H. DOWNWARD, doing business as Elastic Compound Paint Company, Philadelphia, Pa. Filed Apr. 9, 1924.



No claim is made to the words "Primer," "Knife," "Rough," and "Filler" apart from the mark as shown.
Particular description of goods.—Filling and Priming Compound.
Claims use since Mar. 15, 1916.

Ser. No. 195,283. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924.

BEAUTY HABIT

Trade-mark consists of the word "Beauty Habit."
Particular description of goods.—Toilet Preparations—Namely, Cold Cream.
Claims use since June 29, 1922.

Ser. No. 195,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRAWFORD & STANLEY, Salem, Ohio. Filed Apr. 14, 1924.

THE PEARL

Particular description of goods.—Medicinal Pads for Wear on the Throat and Chest for the Relief of Coughs, Colds, Bronchitis, Hoarseness, Hay Fever, Tonsillitis, and Throat and Lung Trouble.
Claims use since Aug. 30, 1923.

Ser. No. 195,500. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. EDMUND DAVID, INC., New York, N. Y. Filed Apr. 14, 1924.

FASTINT

The lining on the drawing is intended to indicate shading.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 2, 1924.

Ser. No. 195,501. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. EDMUND DAVID, INC., New York, N. Y. Filed Apr. 14, 1924.

FASTONE

The lining on the drawing is intended to indicate shading.
Particular description of goods.—Silk Piece Goods.
Claims use since May 10, 1923.

Ser. No. 195,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN LOAN & COMPANY, New York, N. Y. Filed Apr. 14, 1924.

ARROW BRAND

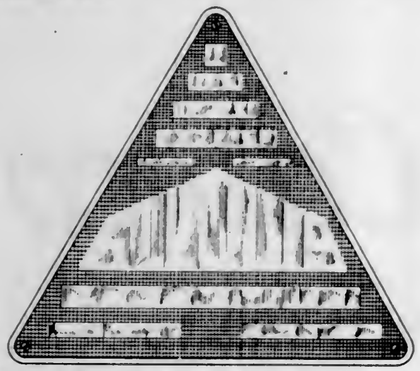
No claim is made to the exclusive use of the word "Brand" except in association with the other features of the mark.
Particular description of goods.—Spices, Barley, Rice Flour, and Pearl Tapioca.
Claims use since January, 1897.

Ser. No. 195,582. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY H. LEON CO., New York, N. Y. Filed Apr. 15, 1924.

SUPER COMBED YARNS — Lily White Handkerchiefs

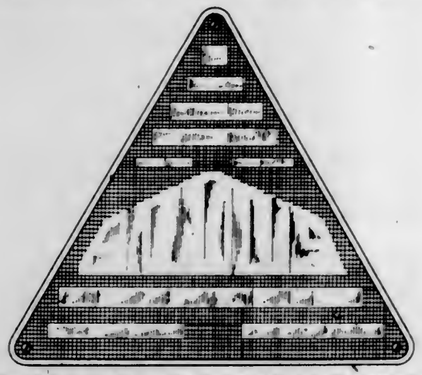
The terms "Lily White Handkerchiefs" and "Super Combed Yarns" are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Handkerchiefs.
Claims use since May 10, 1923.

Ser. No. 195,659. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Apr. 16, 1924.



No claim is made to the lining, which indicates black on the drawing.
Particular description of goods.—Pumps for Oil and Other Fluids and Remote Control Valves.
Claims use since Oct. 1, 1920.

Ser. No. 195,660. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Apr. 16, 1924.



No claim is made to the lining, which indicates yellow or gold on the drawing.
Particular description of goods.—Fluid-Measuring Pumps and Meters.
Claims use since Jan. 22, 1921.

Ser. No. 195,748. (CLASS 12. CONSTRUCTION MATERIALS.) THE KALETTA CO., St. Louis, Mo. Filed Apr. 18, 1924.

The Kaletta Co

Particular description of goods.—Compound Built-In Altars, Pulpits, Rood Screens, Pews, Seats, Benches, Chairs, Railings, Tables, Pedestals, Stands, Kneeling Stools, and Communion and Christening Fonts.
Claims use since Apr. 1, 1924.

Ser. No. 195,856. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ART CRAFT FIXTURE CO., Newark, N. J. Filed Apr. 21, 1924.



Particular description of goods.—Toys—Namely, in the Form of Horses, Wagons, Dump Carts, Bells, and Wheelbarrows.
Claims use since January, 1923.

Ser. No. 195,883. (CLASS 39. CLOTHING.) THOMAS E. GREANEY, doing business as Standard Neckwear Company, Boston, Mass. Filed Apr. 21, 1924.

"Frisco"

Trade-mark "Frisco."
Particular description of goods.—Neckties.
Claims use since June 11, 1921.

Ser. No. 195,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. THIEME CO., Chicago, Ill. Filed Apr. 21, 1924.

Wachho Honey

Trade-mark consists of the words "Wachho Honey."
Particular description of goods.—Medicine for Coughs and Colds and for Stomach, Liver, Kidney, Bladder, Stone, and Gravel Trouble.
Claims use since Feb. 10, 1924.

Ser. No. 195,987. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SAMUEL S. ROSEN, New York, N. Y. Filed Apr. 22, 1924.

RAT-STIX TRADE MARK HOLDS & KILLS

The words "Holds & Kills" and "Trade Mark" are disclaimed except as they may be used in conjunction with the other features of the mark as shown.
Particular description of goods.—Rodent Exterminators in the Form of Sticky Adhesive for Catching Rats and Mice, Etc.
Claims use since Jan. 15, 1924.

Ser. No. 196,039. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WESTERN RAWHIDE & BELTING CO., Milwaukee, Wis. Filed Apr. 23, 1924.



Exclusive use of the words "Solid Round Belting" is hereby disclaimed.
Particular description of goods.—Leather Belting.
Claims use since Feb. 10, 1924.

Ser. No. 196,077. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE A. SAUER, Louisville, Ky. Filed Apr. 24, 1924.

GAS

Particular description of goods.—Automobile and Furniture Polish.
Claims use since Apr. 2, 1924.

Ser. No. 196,170. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924.

FANCY WHITE

The word "White" appearing on the drawing is not a part of the trade-mark and is hereby disclaimed.
Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.
Claims use since the 1st day of March, A. D., 1900.

Ser. No. 196,303. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Apr. 29, 1924.

MARQUEENA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Dec. 15, 1923.

Ser. No. 196,334. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CUPID HAIR CURLER CO., Lowell, Mass. Filed Apr. 30, 1924.

CUPID

Trade-mark consists of the word "Cupid."
Particular description of goods.—Hair Curlers.
Claims use since July 20, 1920.

Ser. No. 196,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMER PHARMACAL COMPANY, Philadelphia, Pa. Filed May 1, 1924.

Cresradine
PHARMACAL COMPANY

Particular description of goods.—Preparation for the Treatment of Tubercular, Pulmonary, and Bronchial Affections.
Claims use since about July 1, 1923.

Ser. No. 196,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HICKMAN & DOZIER, doing business as Aunt Lou Medicine Company, Winnsboro, La. Filed May 2, 1924.

Aunt Lou's

Particular description of goods.—Tonic for Sour Stomach, Biliousness, Kidney and Bladder Troubles, Indigestion, Dyspepsia, Costiveness, Constipation, Piles, Chills and Fever, Ague, Nervousness, Backache, and Rheumatism, and Blood and Nerves.
Claims use since Nov. 1, 1923.

Ser. No. 196,474. (CLASS 15. OILS AND GREASES.) OIL AND GREASE COMPANY OF AMERICA, Brooklyn, N. Y. Filed May 2, 1924.

RELIANCE

Particular description of goods.—Lubricating Oils and Greases.
Claims use since January, 1900.

Ser. No. 196,481. (CLASS 39. CLOTHING.) SEYMOUR TROY & CO., INC., New York and Brooklyn, N. Y. Filed May 2, 1924.

"SEE MORE TROY SHOES"

Particular description of goods.—Shoes Made of Leather, Fabrics, Rubber, and Combinations Thereof.
Claims use since Aug. 1, 1923.

Ser. No. 196,493. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED BUSINESS SERVICE COMPANY, Boston, Mass. Filed May 2, 1924.

A MAN'S JUDGMENT IS NO BETTER THAN HIS INFORMATION
United Business Service

Particular description of goods.—Economic-Service Publication Issued Each Week.
Claims use since May 29, 1921.

Ser. No. 196,548. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SNAP BALL CO., INC., Brooklyn, N. Y. Filed May 3, 1924.

SNAPBALL

Particular description of goods.—Game Apparatus Consisting of a Ball and Cups Arranged to Receive the Ball.
Claims use since October, 1920.

Ser. No. 196,593. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARZA NELSON HENDERSON, Watertown, N. Y. Filed May 5, 1924.

"Hendersons"

ECZEMA OINTMENT

The name "Hendersons" appearing in the drawing is the facsimile of applicant's signature. No claim is made to the words "Eczema Ointment" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Preparation for an Ointment for Eczema.
Claims use since Apr. 12, 1924.

Ser. No. 196,619. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERRY E. PHELPS, Pierre, S. Dak. Filed May 5, 1924.

JEPCOBALM

Particular description of goods.—Medicine for Hay Fever, Asthma, Nasal Catarrh, and Colds.
Claims use since January, 1923.

Ser. No. 196,705. (CLASS 39. CLOTHING.) WALTER J. HILP & Co., San Francisco, Calif. Filed May 7, 1924.



Particular description of goods.—Ladies' Hats.
Claims use since about June 13, 1924.

Ser. No. 196,707. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOANNOT FILS & CIE., Paris, France. Filed May 7, 1924.



Particular description of goods.—Combs.
Claims use since 1872.

Ser. No. 196,719. (CLASS 39. CLOTHING.) M. J. STEINBERG HAT & FUR CO., St. Louis, Mo. Filed May 7, 1924.

Miss St. Louis

Particular description of goods.—Dresses, Coats, and Suits.
Claims use since about Jan. 1, 1912.

Ser. No. 196,720. (CLASS 39. CLOTHING.) M. J. STEINBERG HAT & FUR CO., St. Louis, Mo. Filed May 7, 1924.

Debutante for Miss St. Louis

Particular description of goods.—Misses' Dresses, Coats, Blouses, Sweaters, Skirts, Scarfs, Cravats, Collars, or Neckties.
Claims use since about Jan. 15, 1924.

Ser. No. 196,726. (CLASS 39. CLOTHING.) THEODORE F. BAULIG, Egg Harbor City, N. J. Filed May 8, 1924.

"Atlantic"

Particular description of goods.—Men's and Women's Pyjamas, Union Suits, Nightshirts, Shirts, and Drawers of Textile Fabric.
Claims use since January, 1912.

Ser. No. 196,727. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. ATLEE BURPEE COMPANY, Philadelphia, Pa. Filed May 8, 1924.

GladflowER

Particular description of goods.—Flower Bulbs.
Claims use since April, 1924.

Ser. No. 196,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE F. W. FITCH COMPANY, Des Moines, Iowa. Filed May 8, 1924.

Lafoma Tonique

No claim is made to the words "Tonique" shown on the drawing apart from the mark. Trade-mark "La Foma."
Particular description of goods.—Hair Tonic.
Claims use since Mar. 12, 1924.

Ser. No. 196,822. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICH TOOL COMPANY, Chicago, Ill. Filed May 9, 1924.

RICH

RCS

Particular description of goods.—Poppet Valves for Internal-Combustion Engines.
Claims use since December, 1918.

Ser. No. 196,823. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICH TOOL COMPANY, Chicago, Ill. Filed May 9, 1924.

RICH

NXT

Particular description of goods.—Poppet Valves for Internal-Combustion Engines.
Claims use since December, 1920.

Ser. No. 196,824. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE E. W. ROSE COMPANY, Cleveland, Ohio. Filed May 9, 1924.

ZEMO

Particular description of goods.—A Preparation for the Skin and Scalp and an Ointment for External Use Intended to Reduce Inflammation, Relieve Itching and Other Irritations of the Skin and Scalp.
Claims use since January, 1904.

Ser. No. 196,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT WALDEMAR SNOW, Chicago, Ill. Filed May 9, 1924.

NIPSIT
-Trade Mark-

The words "Trade-Mark" appearing on the drawing are specifically disclaimed as being any part of the trade-mark.
Particular description of goods.—Liquid Medicinal Preparation for the Treatment of Coughs and Colds.
Claims use since Apr. 12, 1924.

Ser. No. 196,870. (CLASS 38. PRINTS AND PUBLICATIONS.) THE INDEPENDENT PUBLICATIONS, INC., Boston, Mass. Filed May 10, 1924.

The Independent

Trade-mark "The Independent."
Particular description of goods.—Magazine Published Weekly.
Claims use since Dec. 7, 1848.

Ser. No. 196,905. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany. Filed May 12, 1924.

Nutrilan

Particular description of goods.—Preparation for Washing and Scouring.
Claims use since July 1, 1919.

Ser. No. 196,959. (CLASS 39. CLOTHING.) JACKS AND ISHOM, Boston, Mass. Filed May 13, 1924.

Bensam

Particular description of goods.—Women's and Children's Hats.
Claims use since September, 1923.

Ser. No. 197,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRUITLAND FRUIT ASSOCIATION, Fruitland, Idaho. Filed May 15, 1924.

IDAHO I-O OREGON

No claim is made to the words "Idaho," "Oregon," and "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Fresh Apples and Prunes.
Claims use since 1913.

Ser. No. 197,079. (CLASS 39. CLOTHING.) HICKS-HAYWARD COMPANY, El Paso, Tex. Filed May 15, 1924.

WESTERN MADE RODEO

No claim is made for words "Western Made" apart from the mark shown by the drawing. The lining of drawing is for shading purposes and not to indicate color.
Particular description of goods.—Pants, Coats, Breeches, Knickerbockers, Negligee and Work Shirts, Overalls, and Leather Boots.
Claims use since Mar. 21, 1924.

Ser. No. 197,095. (CLASS 39. CLOTHING.) LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa. Filed May 15, 1924.

SYLVANIA
SPORT CLOTHES

The words "Sport Clothes" are disclaimed.
Particular description of goods.—Sport Clothes for Men, Women, and Children—viz. Suits, Coats, Breeches, Vests, Trousers, and Knickerbockers.
Claims use since May 10, 1924.

Ser. No. 197,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHOTWELL MFG. CO., Chicago, Ill. Filed May 16, 1924.

TOYLAND

Particular description of goods.—Candy.
Claims use since Aug. 1, 1923.

Ser. No. 197,181. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN GRINDER MANUFACTURING CO., Milwaukee, Wis. Filed May 17, 1924.



Particular description of goods.—Tools, Power Grinders, and Sickle Attachments.
Claims use since May 6, 1924.

Ser. No. 197,184. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed May 17, 1924.

SUPER-SPECTRA

Particular description of goods.—Black Pigments for Paints and Varnishes.
Claims use since 1920.

Ser. No. 197,219. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PREMIER MOTORS, INCORPORATED, Indianapolis, Ind. Filed May 17, 1924.



No claim to the exclusive right to the phrase "The Taxi-Cab of Distinction."
Particular description of goods.—Taxicabs.
Claims use since Mar. 20, 1924.

Ser. No. 197,241. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ART METAL PRODUCTS COMPANY, Chicago, Ill. Filed May 19, 1924.

Humidiator
The HEALTH RADIATOR SHIELD

Applicant disclaims exclusive use of the words "The Health Radiator Shield."
Particular description of goods.—Radiator Covers for Heating Radiators.
Claims use since Mar. 20, 1924.

Ser. No. 197,278. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDERRIEDEN CANNING CO., Chicago, Ill. Filed May 19, 1924.



Particular description of goods.—Dried Raisins.
Claims use since Jan. 31, 1922.

Ser. No. 197,280. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed May 19, 1924. Under ten-year proviso.



Particular description of goods.—Cotton Piece Goods.
Claims use since December, 1888.

Ser. No. 197,308. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VESTAL CHEMICAL COMPANY, St. Louis, Mo. Filed May 19, 1924.

VESTAL

Particular description of goods.—Soaps: Lavatory, Toilet, and Floor Cleansers; and Metal Polishes.
Claims use since 1916 on polishes; since 1918 on cleansers; since 1912 on soap.

Ser. No. 197,326. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo. Filed May 20, 1924.

TRIPLE XXX

Particular description of goods.—Alfalfa Meal.
Claims use since Dec. 1, 1923.

Ser. No. 197,344. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEO. A. TERRY MFG. CO. INC., Buffalo, N. Y. Filed May 20, 1924.

SOLUBRI

Particular description of goods.—Liquid in Which Dental Instruments Are Bathed for Cleaning the Same.
Claims use since Apr. 25, 1924.

Ser. No. 197,381. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LUSENBY MANUFACTURING COMPANY, Fresno, Calif. Filed May 21, 1924.



Particular description of goods.—Printing Presses and Parts Thereof and Material Feeding Attachments Therefor.
Claims use since Apr. 1, 1924.

Ser. No. 197,468. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. M. S., INC., Tarrytown, N. Y. Filed May 23, 1924.



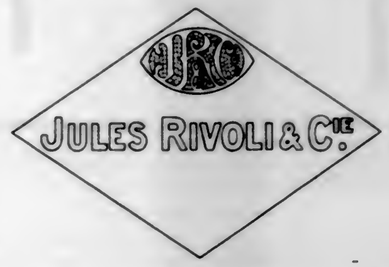
Particular description of goods.—Conveyers of All Kinds, Paint and Enamel Application Machines of Various Kinds.
Claims use since about April, 1921.

Ser. No. 197,505. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WALTER T. TERRY, Jr., Wichita, Kans. Filed May 23, 1924.

LUSTRWAX

Particular description of goods.—Floor and Furniture Wax.
Claims use since July 1, 1923.

Ser. No. 197,524. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JULIUS WILE SONS & CO., New York, N. Y. Filed May 23, 1924.



Particular description of goods.—Bottled and Tinned Anchovies, Bottled Capers, Bottled Olives, Tinned Sardines, Tinned and Bottled Mushrooms, Tinned and Bottled Macedoines, Tinned Smoked Herrings, Tinned Pimientos, Pâtes de Foie Gras in Tins and Stone Pots; Hors d'Œuvres Consisting of a Combination of Anchovies, Pickles, Sweet Red Peppers, and Stuffed Olives in Glass Jars; Macaroni in Pasteboard Cartons, Prunes in Jars; Jams, Jellies, and Fruit Preserves in Jars; French Glacé Fruits in Pasteboard Cartons and Wooden Boxes, Bottled Onions, Tinned Peas, Tinned Carrots, Tinned Brussels Sprouts, and Tinned and Bottled Artichokes.
Claims use since Dec. 29, 1923.

Ser. No. 197,529. (CLASS 12. CONSTRUCTION MATERIALS.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed May 24, 1924.



No claim is made to the word "Paper" appearing on the drawing.
Particular description of goods. Building Paper.
Claims use since about Feb. 15, 1901.

Ser. No. 197,644. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEST COAST KALSOMINE COMPANY, Berkeley, Calif. Filed May 26, 1924.

Veldura SEMI-PASTE

The words "Semi-Paste" on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Semipaste Paint.

Claims use since Mar. 29, 1924.

Ser. No. 197,646. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANCIENS ETABLISSEMENTS GEORGES GUY, Paris, France. Filed May 27, 1924.

AMALTHEA

ANCIENS ETABLISSEMENTS GEORGES GUY 128, rue Lafayette Paris

"128 Rue Lafayette Paris" is not claimed apart from the trade-mark shown in the drawing.

Particular description of goods.—Kid and All Sorts of Hides.

Claims use since 1892.

Ser. No. 197,673. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CECIL C. MCKAY, doing business as The Van Dusen Nurseries, Geneva, N. Y. Filed May 27, 1924.

THE VAN DUSEN NURSERIES

Particular description of goods.—Nursery Products.

Claims use since about May 13, 1924.

Ser. No. 197,707. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

VERNOSITE

Particular description of goods.—Varnish.

Claims use since May, 1900.

Ser. No. 197,712. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

D

Particular description of goods.—Putty Composed of Whiting and Oil.

Claims use since June, 1910.

Ser. No. 197,713. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

REDULL

Particular description of goods.—Ready-Mixed Paint.

Claims use since May, 1919.

Ser. No. 197,714. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

CABINITE

Particular description of goods.—Varnishes.

Claims use since July, 1900.

Ser. No. 197,717. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

MASTER

Particular description of goods.—Ready Mixed Paint.

Claims use since March, 1919.

Ser. No. 197,719. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

Ask the Painter—
HE KNOWS

Particular description of goods.—Ready-Mixed Paint and Varnish.

Claims use since May, 1920.

Ser. No. 197,722. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

TRITON

Particular description of goods.—Ready-Mixed Paint.

Claims use since June, 1900.

Ser. No. 197,723. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

MITIS

Particular description of goods.—Ready-Mixed Paint and Varnish.

Claims use since February, 1900.

Ser. No. 197,768. (CLASS 38. PRINTS AND PUBLICATIONS.) THE OHIO STATE UNIVERSITY, Columbus, Ohio. Filed May 28, 1924.

Educational Research Bulletin

Particular description of goods.—Periodical at Present Issued Biweekly.

Claims use since Jan. 1, 1922.

Ser. No. 197,771. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERTS AND SCHAEFER COMPANY, Chicago, Ill. Filed May 28, 1924.

RS AND COMPANY

Particular description of goods.—Screens, Picking Tables, Loading Booms, Mine Tipples, Locomotive-Coaling Stations, Cinder Hoists, and Material Handling, Conveying, and Treating Machinery.

Claims use since Apr. 1, 1924.

Ser. No. 197,783. (CLASS 32. FURNITURE AND UPHOLSTERY.) SHIFMAN BROTHERS, Newark, N. J. Filed May 28, 1924.

THE EMPRESS
Royal Java Kapok
Guaranteed Sanitary
SHIFMAN BROTHERS
COMFORT PERFECT
REG. U.S. PAT. OFF.

The words "Royal Java Kapok, Guaranteed Sanitary, Shifman Brothers, Reg. U. S. Pat. Off., Perfect Comfort" are disclaimed apart from the mark as shown.

Particular description of goods.—Mattresses.

Claims use since about May, 1914.

Ser. No. 197,793. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AMERICAN GAUZE AND COTTON COMPANY, Cape Girardeau, Mo. Filed May 29, 1924.

RIVERVIEW

Particular description of goods.—Absorbent Cotton, Cotton Gauze, and Cotton Bandages, Porous Plasters, and Sticking Plasters.

Claims use since Apr. 1, 1924.

Ser. No. 197,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSTON FRUIT COMPANY, Santa Barbara, Calif. Filed May 29, 1924.

FESTIVAL

Particular description of goods.—Fresh Citrous Fruits
Claims use since June 1, 1897.

Ser. No. 197,820. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed May 29, 1924.

POLYPHASE DUPLEX

Particular description of goods.—Slide Rules.
Claims use since June 9, 1911.

Ser. No. 197,821. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed May 29, 1924.

LOG LOG DUPLEX

Particular description of goods.—(Calculating) Slide Rules.
Claims use since Dec. 22, 1908.

Ser. No. 197,854. (CLASS 38. PRINTS AND PUBLICATIONS.) BETTER FRUIT PUBLISHING COMPANY, Portland, Oreg. Filed May 30, 1924.

BETTER FRUIT

Particular description of goods.—Monthly Magazine.
Claims use since March, 1922.

Ser. No. 197,877. (CLASS 12. CONSTRUCTION MATERIALS.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed May 31, 1924.

Deco-Felt

Applicant disclaims the word "Felt."
Particular description of goods.—Carpet Felt.
Claims use since October, 1923.

Ser. No. 197,879. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) J. C. HAARTZ COMPANY, Boston, Mass. Filed May 31, 1924.

TEXHIDE

Particular description of goods.—Piece Goods Made Wholly or in Part of Cloth and Composition, Which Piece Goods are Used for Upholstering Motor Cars and Other Purposes for Which Artificial Leather is Ordinarily Used.
Claims use since 1910.

Ser. No. 197,894. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION, Buffalo, N. Y. Filed May 31, 1924.

THE MINUTE MAN

Particular description of goods.—Magazine.
Claims use since Dec. 1, 1923.

Ser. No. 197,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC TRADING AND TRANSPORT CO., Los Angeles, Calif. Filed May 31, 1924.

BEL MAR

Particular description of goods.—Fresh Vegetables, Fresh Grapes, Fresh Melons, Fresh Berries, Coconuts, Canned Vegetables, Canned Fruits; Canned Fish—Namely, Tunny Fish; Dehydrated Vegetables, Dried Fish, Fresh Citrous Fruits, Fresh Deciduous Fruits; Ginger Root, Fresh and Preserved; and Cacao Beans.
Claims use since January, 1924.

Ser. No. 197,901. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARLETT VARNISH COMPANY, INC., Baltimore, Md. Filed May 31, 1924.

NuVAR

Particular description of goods.—Varnish.
Claims use since Apr. 1, 1924.

Ser. No. 197,904. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed May 31, 1924.

RUBY OLEINE

No claim is made to the word "Oleine" apart from the mark shown in the drawing.
Particular description of goods.—Red Oil.
Claims use since Jan. 1, 1890.

Ser. No. 197,910. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIRGIL E. SHAW, Rockford, Ill. Filed May 31, 1924.

Shaw FLUX

No exclusive claim is made to the word "Flux" apart from the mark as shown.
Particular description of goods.—Metal Flux for Brazing Cast Iron.
Claims use since Apr. 1, 1924.

Ser. No. 197,917. (CLASS 10. FERTILIZERS.) WASHINGTON ABATTOIR CO. INC., Benning, D. C. Filed May 31, 1924.

PLANTONIC

Particular description of goods.—Food or Tonic for Plants, Flowers, and Shrubbery.
Claims use since May 17, 1924.

Ser. No. 197,933. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY S. HAYES, doing business as M. S. H. Co., Boston, Mass. Filed June 2, 1924.



Metawampa

Particular description of goods.—Hair Tonic.
Claims use since Feb. 1, 1922.

Ser. No. 197,938. (CLASS 12. CONSTRUCTION MATERIALS.) HUNTING-MERRITT LUMBER COMPANY, LIMITED, Vancouver, British Columbia, Canada. Filed June 2, 1924.

TILEX

Particular description of goods.—Shingles.
Claims use since Nov. 19, 1923.

Ser. No. 197,971. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VEC PRODUCTS COMPANY, Cedar Rapids, Iowa. Filed June 2, 1924.

VEC

The body of the lettering is yellow, with a dark border at the left of each letter and a white border at the right.
Particular description of goods.—Take-Up Bolts and Bearing Adjusters.
Claims use since Jan. 1, 1923.

Ser. No. 197,975. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WITTE ENGINE WORKS, Kansas City, Mo. Filed June 2, 1924. Under ten-year proviso.

WITTE

The lining in the drawing indicates the color red.
Particular description of goods.—Internal-Combustion Engines, Drag-Saw Outfits, Tree-Saw Outfits, Log and Tree Saw Outfits, Portable Saw Outfits, Stationary Saw Outfits, Air Compressors, Pumping Outfits, Spraying Outfits, and Clutch Pulleys.
Claims use since 1883.

Ser. No. 198,004. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MANNING, MAXWELL & MOORE, INC., New York, N. Y. Filed June 3, 1924.

MMM

Particular description of goods.—Copper-Nickel-Alloy Castings.
Claims use since May 20, 1924.

Ser. No. 198,034. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. B. SCULLY SYRUP COMPANY, Chicago, Ill. Filed June 3, 1924.

SKOOKUM



Particular description of goods.—Sirup for Table Purposes.
Claims use since Oct. 9, 1922.

Ser. No. 198,054. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GODFREY L. CABOT, INC., Boston, Mass. Filed June 4, 1924.

CARBOVAR

Particular description of goods.—Carbon Black.
Claims use since Apr. 10, 1924.

Ser. No. 198,082. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATHAN & COHEN CO., INC., New York, N. Y. Filed June 4, 1924.

VOILACREPE

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Textile Fabrics—Namely, Crêpe of Cotton and Silk.
Claims use since February, 1924.

Ser. No. 198,104. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AMERICAN GAUZE & COTTON COMPANY, Cape Girardeau, Mo. Filed June 5, 1924.



Particular description of goods.—Absorbent Cotton, Cotton Gauze, and Cotton Bandages, Porous Plasters, and Sticking Plasters.
Claims use since Apr. 1, 1924.

Ser. No. 198,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK CARPENTER, doing business as The Velvo Baking Powder Co., Charleston, S. C. Filed June 5, 1924.



All wording on the drawing are disclaimed except the word "Velvo."
Particular description of goods.—Baking Powder.
Claims use since May 29, 1924.

Ser. No. 198,132. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) S. S. GORAYEB & BROS., New York, N. Y. Filed June 5, 1924.

SCREENADIO

Particular description of goods.—Window Screens.
Claims use since May 15, 1924.

Ser. No. 198,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAKE MILLS CANNING COMPANY, Lake Mills, Iowa. Filed June 5, 1924.



The descriptive words "Sweet Corn" are disclaimed apart from the other features of the mark.
Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since 1916.

Ser. No. 198,145. (CLASS 15. OILS AND GREASES.) LINCOLN OIL REFINING COMPANY, Robinson, Ill. Filed June 5, 1924.



No claim is made to the words "Gas and Oils" apart from the mark shown on the drawing.
Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils.
Claims use since Sept. 1, 1923.

Ser. No. 198,146. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INCORPORATED, New York, N. Y. Filed June 5, 1924.

FLOWER BEAUTY

Particular description of goods.—Candy.
Claims use since July, 1923.

Ser. No. 198,152. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PARKER AND WALKER, Boston, Mass. Filed June 5, 1924.

MASTER

Particular description of goods.—Transmission Linings for Ford Cars.
Claims use since Sept. 1, 1923.

Ser. No. 198,233. (CLASS 38. PRINTS AND PUBLICATIONS.) GLENN & ESSINGTON, doing business as Orlando Morning Sentinel, Orlando, Fla. Filed June 7, 1924.



Particular description of goods.—Heading for Newspaper Articles.
Claims use since June, 1916.

Ser. No. 198,236. (CLASS 33. GLASSWARE.) THE W. T. HIGHT CO., Boston, Mass. Filed June 7, 1924.

CRYSTAL

GLIDER

Particular description of goods.—Glass Caster Cups.
Claims use since May, 1923.

Ser. No. 198,246. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTONIO PALMIGIANO, doing business as A. Palmigiano & Company, Inc., Rochester, N. Y. Filed June 7, 1924.

ROSINCA

Particular description of goods.—Olive Oil.
Claims use since Apr. 20, 1924.

Ser. No. 198,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCES SCOTT AHRENS, doing business as Rosemonts Products Co., Bethlehem, Pa. Filed June 9, 1924.

Rosemont

Particular description of goods.—Salad Dressing.
Claims use since Jan. 3, 1924.

Ser. No. 198,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HOLT MANUFACTURING COMPANY, Stockton, Calif. Filed June 9, 1924.

CATERPILLAR

Particular description of goods.—Railway Locomotives.
Claims use since Aug. 8, 1922.

Ser. No. 198,308. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HUNT-SPILLER MANUFACTURING CORP., Boston, Mass. Filed June 9, 1924.

DUPLEX

Particular description of goods.—Piston Rings and Piston-Ring Springs.
Claims use since Apr. 25, 1924.

Ser. No. 198,345. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

CHRYSANTHEMUM

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,346. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

DAISY

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,347. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

HAWTHORNE

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,348. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

HOLLY

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,349. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

HONEYSUCKLE

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,350. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

HOPS

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,351. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

MORNING-GLORY

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,352. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

POPPY

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,353. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

PRIMROSE

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,355. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

VIOLET

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,356. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO., INC., New York, N. Y. Filed June 10, 1924.

WATER-LILY

Particular description of goods.—Finger Rings of Precious and Semiprecious Metal for Personal Wear.
Claims use since May 28, 1924.

Ser. No. 198,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT WILBUR JOHNSON, doing business as Pure Drugs Products Co., Cincinnati, Ohio. Filed June 10, 1924.

RCONSTRUCTIVANS

The symbol "R" appearing on the drawing is disclaimed.
Particular description of goods.—Analeptic Alterative Nutritive Body Builder, and Blood Purifier, Indicated in All Blood and Skin Wasting and Exhausted Condition of the System, and Made into a Perfectly Palatable Tonic
Claims use since Jan. 1, 1913.

Ser. No. 198,385. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIR CHARLES SYKES & SONS, LIMITED, Netherdale, Galashiels, Scotland. Filed June 10, 1924.

GALASYKE

Particular description of goods.—Woolen Piece Goods
Claims use since May 14, 1924.

Ser. No. 198,387. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TECHNICAL SUPPLY COMPANY, Scranton, Pa. Filed June 10, 1924.



Particular description of goods.—Drawing Instruments—viz, Curves and Angles Made of Celluloid, T Squares, Angles, Curves, and Drawing Boards Made of Wood and Drawing Tables.
Claims use since Apr. 1, 1924.

Ser. No. 198,413. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINDSAY CHAPLET & MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 11, 1924.



Applicant disclaims the representation of a lawn rake apart from the mark shown. The trade-mark consists of a band of yellow color around the lower end of the handle of a lawn rake.
Particular description of goods.—Lawn Rakes.
Claims use since May 7, 1924.

Ser. No. 198,423. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARRIE HALE RAMBONNET, New York, N. Y. Filed June 11, 1924.



The words "Cleanses Everything" are disclaimed as part of the trade-mark.

Particular description of goods.—Toilet, Bath, and Laundry Preparations.

Claims use since June 1, 1920.

Ser. No. 198,452. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DAYTON BUMGARDNER, Chicago, Ill. Filed June 12, 1924.

Missing Link

Particular description of goods.—Attachments for Dentures.

Claims use since May 21, 1924.

Ser. No. 198,492. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 13, 1924.

Flash

Particular description of goods.—Children's Automobiles and Bicycles.

Claims use since May 1, 1924.

Ser. No. 198,516. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEDEON RICHTER LABORATORIES, INC., New York, N. Y. Filed June 13, 1924.

Bismosalvan

Particular description of goods.—"Bismosalvan" Used Intramuscularly for the Treatment of Syphilis in All Its Stages.

Claims use since Jan. 15, 1922.

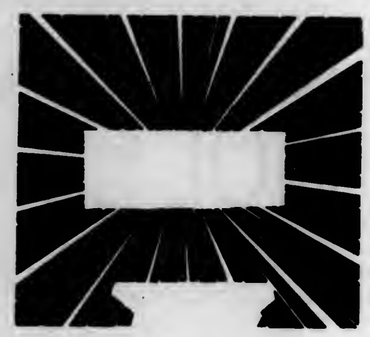
Ser. No. 198,524. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) IRVING ENGINEERING SALES CO., INC., Buffalo, N. Y. Filed June 13, 1924.

ARCTIC

Particular description of goods.—Shutters for Automobile Radiators.

Claims use since Apr. 1, 1924.

Ser. No. 198,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN ENGERS, INC., Chicago, Ill. Filed June 13, 1924.



Particular description of goods.—Candy.

Claims use since May, 1923.

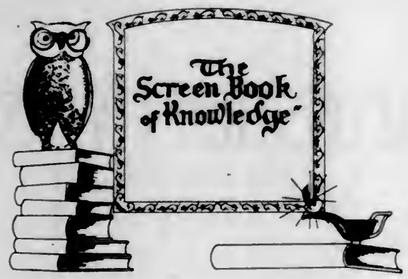
Ser. No. 198,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN ENGERS, INC., Chicago, Ill. Filed June 13, 1924.

DAMFINO

Particular description of goods.—Candy.

Claims use since May, 1923.

Ser. No. 198,575. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INDEPENDENT PICTURES CORPORATION, New York, N. Y. Filed June 14, 1924.



Particular description of goods.—Moving Pictures.

Claims use since May 10, 1924.

Ser. No. 198,621. (CLASS 15. OILS AND GREASES.) THE CONSUMERS OIL COMPANY, Dayton, Ohio. Filed June 16, 1924.

KICK-OFF

Trade mark consists of the words "Kick-Off."

Particular description of goods.—Gasoline, Kerosene, Fuel Oils, Lubricating Oils, and Greases.

Claims use since June 9, 1923.

Ser. No. 198,628. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISAAC EPSTEIN, Newark, N. J. Filed June 16, 1924.



The lining expresses the color in gold.

Particular description of goods.—Canned and Preserved Fish.

Claims use since Apr. 1, 1924.

Ser. No. 198,632. (CLASS 12. CONSTRUCTION MATERIALS.) CALVERT BURKE FILBERT, New Orleans, La. Filed June 16, 1924.

TWINPLEX

Particular description of goods.—Special Composition Prepared from Natural or Manufactured Materials, Bituminous Oils, and Tars for Road and Pavement Construction and for the Waterproofing of the Same.

Claims use since Oct. 22, 1923.

Ser. No. 198,673. (CLASS . RAW OR PARTLY-PREPARED MATERIALS.) PURITAN TUTTLE COAL CO., INC., Columbus, Ohio. Filed June 16, 1924.

BLACK RAVEN

Particular description of goods.—Coal.

Claims use since January, 1912.

Ser. No. 198,676. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PURITAN TUTTLE COAL CO., INC., Columbus, Ohio. Filed June 16, 1924.

PURCO

Particular description of goods.—Coal.

Claims use since Jan. 1, 1919.

Ser. No. 198,677. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PURITAN TUTTLE COAL CO., INC., Columbus, Ohio. Filed June 16, 1924.

WIZARD

Particular description of goods.—Coal.

Claims use since Mar. 1, 1924.

Ser. No. 198,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RUSSELL & FELLMAN, New York, N. Y. Filed June 16, 1924.



No rights are asserted to the exclusive use of the word "Brand" apart from the trade-mark shown in the drawing.

Particular description of goods.—Silk Goods in the Piece.

Claims use since May 1, 1924.

Ser. No. 198,716. (CLASS 38. PRINTS AND PUBLICATIONS.) DOMINICK LOSCALZO, doing business as Associated Feature Service, Brooklyn, N. Y. Filed June 17, 1924.

WHY DON'T YOU BROADCAST IT.

Particular description of goods.—Prints—Namely, Cartoon Prints.
Claims use since Mar. 5, 1924.

Ser. No. 198,748. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. JACOB & SONS, INC., doing business as Marvlo Mills, New York, N. Y. Filed June 18, 1924.

MARJACADE

Particular description of goods.—Silk and Cotton Mixed Piece Goods and Finished Silk and Cotton Mixed Linings in the Piece.
Claims use since June 1, 1924.

Ser. No. 198,751. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERBERT B. LEDERER CORP., New York, N. Y. Filed June 18, 1924.

NOVELIN

Particular description of goods.—Textile Goods in a Piece, Silk, Artificial Silk, Cotton, Wool, and Mixtures Thereof.
Claims use since May 1, 1924.

Ser. No. 198,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYAN-CORRELL CO., Johnstown, Pa. Filed June 18, 1924.

QUICK LUNCH

Particular description of goods.—Canned Beans and Tomatoes.
Claims use since October, 1908.

Ser. No. 198,810. (CLASS 38. PRINTS AND PUBLICATIONS.) CHRISTIAN A. LUHNOW, New York, N. Y. Filed June 19, 1924.

Trust Companies

Particular description of goods.—Monthly Magazine.
Claims use since March, 1904.

Ser. No. 198,840. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BROOKPARK COAL & SUPPLY COMPANY, Cleveland, Ohio. Filed June 20, 1924.



Particular description of goods.—Coal.
Claims use since Apr. 11, 1924.

Ser. No. 198,862. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 20, 1924.

Marquevoile

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Apr. 22, 1924.

Ser. No. 198,863. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 20, 1924.

Marquisette Papillon

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Apr. 22, 1924.

Ser. No. 198,864. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 20, 1924.

VELIANA

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Jan. 18, 1924.

Ser. No. 198,874. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN W. LADD CO., Detroit, Mich. Filed June 20, 1924.



Particular description of goods.—Creamery, Milk, Ice-Cream, Condensing, and Dairy Plant Equipment—Namely, Bottle and Can Washers, Can Rinsers and Sterilizers, Milk Coolers, Pumps, Branding Irons, Pasteurizers, Starter Cans, Batch Mixers, Buttermilk Machines.
Claims use since Jan. 1, 1914.

Ser. No. 198,879. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTON COAL MINING COMPANY, Nortonville, Ky. Filed June 20, 1924.

NORCO

Particular description of goods.—Coal.
Claims use since February, 1920.

Ser. No. 198,892. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed June 20, 1924.

In the Wake of the News

Trade-mark "In the wake of the news."
Particular description of goods.—Newspaper Column.
Claims use since about July 14, 1912.

Ser. No. 198,893. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed June 20, 1924.

SENTENCE SERMONS

Trade-mark "Sentence Sermons."
Particular description of goods.—Newspaper Column.
Claims use since Mar. 3, 1924.

Ser. No. 198,918. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.



The words "America's Foremost Four Posters" and "Walnut Genuine Mahogany" are disclaimed apart from the mark shown.
Particular description of goods.—Beds.
Claims use since Nov. 1, 1920.

Ser. No. 198,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO H. MILLER, doing business as Merdoc Chemical Co., Wilmington, Del. Filed June 21, 1924.

MERDOC

Trade-mark "Merdoc."
Particular description of goods.—Medicinal Preparation—Namely, a Germicide and Deodorant Used as a Wash for the Teeth, Mouth, Nose, and Throat.
Claims use since about Mar. 31, 1920.

Ser. No. 198,969. (CLASS 38. PRINTS AND PUBLICATIONS.) SAM SEELIG CO., Los Angeles, Calif. Filed June 21, 1924.

The CLINCHER

Particular description of goods.—Publication Issued Weekly.
Claims use since Dec. 22, 1922.

Ser. No. 198,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATHCART AND CATHCART, INC., Newburgh, N. Y. Filed June 23, 1924.

Con-ver-tone

Trade-mark "Con-ver-tone."
Particular description of goods.—Pharmaceutical Preparation Composed of Animal and Vegetable Ferments or Enzymes for Indigestion.
Claims use since June 6, 1924.

Ser. No. 198,985. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING & BUMPER COMPANY, Detroit, Mich. Filed June 23, 1924.

STA-BRITE

Particular description of goods.—Nickel-Plated Articles Specifically Used for Bumper Parts.
Claims use since about May 20, 1923.

Ser. No. 198,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. T. DEWEY & SONS COMPANY, New York, N. Y. Filed June 23, 1924.

DEW-VITA



Particular description of goods.—Wine Tonic Known as Dew-Vita, Containing Iron, Port Wine, and Extract of Gentian Root, for Use as a Tonic, Blood Purifier, and Stomach Medicine.
Claims use since Jan. 1, 1924.

Ser. No. 199,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GALVANIC CHEMICAL CO., St. Louis, Mo. Filed June 23, 1924.

ALBA-DENT

Particular description of goods.—Liquid Dentifrices and Tooth Paste.
Claims use since Oct. 1, 1923.

Ser. No. 199,006. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK O. KING, Chicago, Ill. Filed June 23, 1924.

PUFF

Particular description of goods.—Dolls.
Claims use since Feb. 2, 1924.

Ser. No. 199,007. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK O. KING, Chicago, Ill. Filed June 23, 1924.

MRS. BLOSSOM

Particular description of goods.—Dolls.
Claims use since Dec. 6, 1923.

Ser. No. 199,008. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK O. KING, Chicago, Ill. Filed June 23, 1924.

RACHEL

Particular description of goods.—Dolls.
Claims use since Sept. 19, 1923.

Ser. No. 199,010. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) M. LINKMAN & Co., Chicago, Ill. Filed June 23, 1924.

HELL MARIA

Particular description of goods.—Smoking Pipes.
Claims use since June 19, 1924.

Ser. No. 199,011. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ETHEL J. LUTTRELL, Mill Valley, Calif. Filed June 23, 1924.



Particular description of goods.—Game Played with Cards.
Claims use since May 24, 1924.

Ser. No. 199,013. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROBERT MCBRATNEY & COMPANY, INCORPORATED, New York, N. Y. Filed June 23, 1924.

Sylkbyn

Particular description of goods.—Dress and Suiting Linens in the Piece.
Claims use since about 1912.

Ser. No. 199,016. (CLASS 38. PRINTS AND PUBLICATIONS.) PACIFIC COAST CLUB, Long Beach, Calif. Filed June 23, 1924.

Hi-tide
Pacific Coast Club

Particular description of goods.—Title for Its Official Club Magazine.
Claims use since Nov. 1, 1923.

Ser. No. 199,063. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR JACOB, Chicago, Ill. Filed June 24, 1924.

Pastime

Particular description of goods.—Periodical Published at Intervals.
Claims use since Mar. 15, 1924.

Ser. No. 199,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ROBT. J. LEBENSON CORPORATION, New York, N. Y. Filed June 24, 1924.

LUSTRO

Particular description of goods.—Cotton Piece Goods.
Claims use since June 1, 1924.

Ser. No. 199,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LILLIAN ST. LEON, New York, N. Y. Filed June 24, 1924.

St. Leon
Age Arrester

Particular description of goods.—Complexion Lotion.
Claims use since June 1, 1924.

Ser. No. 199,098. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WAPPLER ELECTRIC COMPANY, INC., Long Island City, N. Y. Filed June 24, 1924.

RADIO-KNIFE

Particular description of goods.—High-Frequency Electric Machines Employed in Desiccation Surgery.
Claims use since about Mar. 31, 1924.

Ser. No. 199,099. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MARYLAND DAIRY, Baltimore, Md. Filed June 24, 1924.

CON-BUT

Particular description of goods.—Poultry and Swine Food.
Claims use since May 15, 1924.

Ser. No. 199,102. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN HOWIE WRIGHT, New York, N. Y. Filed June 24, 1924.

POSTAGE

Particular description of goods.—Monthly Magazine.
Claims use since January, 1916.

Ser. No. 199,107. (CLASS 15. OILS AND GREASES.) CARR FASTENER COMPANY, Cambridge, Mass. Filed June 25, 1924.

DOT

Trade-mark "Dot".
Particular description of goods.—Lubricants.
Claims use since June 13, 1924.

Ser. No. 199,143. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 26, 1924.

SOLFOIL

Trade-mark "Solfoil."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,144. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSO., (U. S. A.), Bradford, R. I. Filed June 26, 1924.

Solendure

Trade-mark "Solendure."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 26, 1924.

Sunfoil

"Sunfoil."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,165. (CLASS 17. TOBACCO PRODUCTS.) L. F. HUGHES, Mingo Junction, Ohio. Filed June 26, 1924.

SPUD

Particular description of goods.—Cigarettes.
Claims use since June 16, 1924.

Ser. No. 199,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENDOCRINE INSTITUTE, INC., New York, N. Y. Filed June 26, 1924.

KRINOL

Particular description of goods.—Ovoid Pills a Biological Product to be Used in Organo-Therapy.
Claims use since June 10, 1924.

Ser. No. 199,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PONCEROL COMPANY, Philadelphia, Pa. Filed June 26, 1924.

PONCEROL

Particular description of goods.—Ointment or Antiseptic Preparation for the Treatment of Goiter, Swollen Glands, Rheumatic Joints, Catarrh, Pimples, Calli, Soft Corns, and All Skin Troubles Caused by an Accumulation of Poisonous Substances in the System, Hair Tonic, and Tooth Paste.
Claims use since May 15, 1924.

Ser. No. 199,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND SCHUHL, doing business as Oriza L. Legrand, Paris, France. Filed June 26, 1924.

DÉ JA
LE
PRINTEMPS

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Eau de Cologne, and Lotion for the Skin and Hair.
Claims use since Apr. 14, 1922.

Ser. No. 199,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. J. SHARP, doing business as Siticide Company, Commerce, Ga. Filed June 26, 1924.

SITICIDE

Particular description of goods.—Preparation for the Treatment of Itch and Other Skin Diseases.
Claims use since June 14, 1924.

Ser. No. 199,201. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN CHAIN COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed June 27, 1924.

ACCO

Particular description of goods.—Base-Metal Chain, Base-Metal Chains, Base-Metal Loops for General Use, Base-Metal Rings for General Use, Staples, Base-Metal Hooks for General Use, Eyebolts, Bolts, Repair Links, Cotter Pins, Antiskid Chains for Vehicle Wheels, Tire-Repair Chains, Tread Chains for Antiskid Devices for Vehicle Wheels, Coupling Pins, Cargo Nets, Shackles, Swivels, Chain-Anchoring Devices, Bumper Bars, Toggles, Clips, Tensioning Devices for Antiskid Chains for Vehicles, Sash-Chain-Fastening Devices, Devices for Attaching Bumper Bars to Motor Cars, Chains Adapted to be Applied to Horses' Hoofs, Automobile Jack Chains, Screw Eyes.
Claims use since on or before Jan. 15, 1921.

Ser. No. 199,212. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

BraDpermA

Trade-mark consists in the word "BraDpérmA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,214. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 27, 1924.

BRADCELA

Trade-mark consists of the word "BraDcelA.".
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,221. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ETABLISSEMENTS FRANÇOIS SOCIÉTÉ ANONYME, Bressoux, near Liege, Belgium. Filed June 27, 1924.

CYCLONE

Particular description of goods.—Compressed-Air Engines.
Claims use since November, 1923.

Ser. No. 199,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW ENGLAND LABORATORY CO., Lynn, Mass. Filed June 27, 1924.

JAR-BO

The trade-mark consists of the word "Jar-bo."
Particular description of goods.—Preparation for the Hair and Scalp.
Claims use since Aug. 18, 1923.

Ser. No. 199,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADDIE E. SMITH, doing business as Smith Brothers, Oakland, Calif. Filed June 27, 1924.



Particular description of goods.—Liquid Medicine to be Taken Internally for the Treatment of Hoarseness, Coughs, Colds, and Croup.
Claims use since November, 1923.

Ser. No. 199,264. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR THAYER, doing business as Camas Pharmacy, Camas, Wash. Filed June 27, 1924.

KODAGRAPH

Particular description of goods.—Photographic Prints and Enlargements.
Claims use since Nov. 1, 1922.

Ser. No. 199,272. (CLASS 12. CONSTRUCTION MATERIALS.) THE YOUNGSTOWN PRESSED STEEL COMPANY, Warren, Ohio. Filed June 27, 1924.

PENCIL

Particular description of goods.—Metal-Channel Iron, Metal Studding, Metal Bearing Strips, and the Like.
Claims use since Jan. 15, 1924.

Ser. No. 199,279. (CLASS 15. OILS AND GREASES.) THE FEL-OYLE COMPANY, Findlay, Ohio. Filed June 28, 1924.

NI-TRO
"It's Better"
GASOLINE

The words "Gasoline" and the phrase "It's Better" not claimed apart from the other features of the mark.
Particular description of goods.—Gasoline.
Claims use since Apr. 8, 1923.

Ser. No. 199,282. (CLASS 38. PRINTS AND PUBLICATIONS.) N. FLUEGELMAN & CO. INC., New York, N. Y. Filed June 28, 1924.

THE
SILVER
LINING

Particular description of goods.—Trade Publications Issued Quarterly.
Claims use since about June 1, 1924.

Ser. No. 199,315. (CLASS 38. PRINTS AND PUBLICATIONS.) THE W. C. PLATT COMPANY, Cleveland, Ohio. Filed June 28, 1924.

OILGRAM

Particular description of goods.—Daily Publication.
Claims use since about Apr. 24, 1923.

Ser. No. 199,321. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC PRESS CORPORATION, INC., New York, N. Y. Filed June 28, 1924.

DAILY MIRROR

Particular description of goods.—Daily Publication.
Claims use since June 24, 1924.

Ser. No. 199,339. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed June 30, 1924.

WEIGHMORE

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

Ser. No. 199,449. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed July 1, 1924.

SHAKANDA

Particular description of goods.—Woolen Goods in the Piece.
Claims use since June 2, 1924.

Ser. No. 199,456. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed July 2, 1924.

KING COMUS

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1924.

Ser. No. 199,473. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Charlottenburg, Germany. Filed July 2, 1924.

„Thanalith"

Particular description of goods.—Pitch and Tar.
Claims use since Mar. 1, 1916.

Ser. No. 199,474. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Charlottenburg, Germany. Filed July 2, 1924.

„Triolith"

Particular description of goods.—Pitch and Tar.
Claims use since July 1, 1915.

Ser. No. 199,476. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Charlottenburg, Germany. Filed July 2, 1924.

„Fluoxyth"

Particular description of goods.—Pitch and Tar.
Claims use since Aug. 1, 1916.

Ser. No. 199,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed July 2, 1924.

Blue Imps

Particular description of goods.—Laundry Blue.
Claims use since June 11, 1924.

Ser. No. 199,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESTER G. ROBINSON, doing business as Lero Drug Company, Baltimore, Md. Filed July 2, 1924.

LERO'S MONKEY BRAND TABLETS

No claim is made to the words "Brand Tablets" apart from the mark as shown.
Particular description of goods.—Tonic Tablet, a Restorative for Physical Weakness.
Claims use since June 2, 1924.

Ser. No. 199,506. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) JAMES ELVIS TAYLOR, Dallas, Tex. Filed July 2, 1924.

THREE IN ONE UNIVERSAL

Particular description of goods.—Oil Retainer for Bearings.
Claims use since June, 1923.

Ser. No. 199,508. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed July 2, 1924.

Clear smiles for rainy miles

Particular description of goods.—Windshield Cleaners of the Squeegee or Mechanical Type.
Claims use since January, 1924.

Ser. No. 199,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLIVIA HUNT CAREY, Chicago, Ill. Filed July 3, 1924.

OTHAUMOZO

Particular description of goods.—Salve for the External Treatment of Body Ailments.
Claims use since May 3, 1924.

Ser. No. 199,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH FELLINGER, doing business as Elizabeth Fellinger School of Beauty Culture, New York, N. Y. Filed July 3, 1924.

Essence of Youth

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Shampoos, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Face Packs, and Sachet Powders.
Claims use since Sept. 9, 1923.

Ser. No. 199,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. CLAY GLOVER CO., INC., New York, N. Y. Filed July 3, 1924.

Imperial

Particular description of goods.—Animal Medicines, Mange Medicine, Distemper Medicine, Vermifuge, Worm Capsules, Tapeworm Capsules, Condition Pills, Canker Wash, Eye Lotion, Blood Purifier, Diarrhea Medicine, Fit Medicine, Tonic, Cough Mixture, Sore-Foot Medicine, Black-Tongue Medicine, Compound Sulphur Tablets, Digestive Pills, Liniment, and Liver Pills.
Claims use since 1878.

Ser. No. 199,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES GRANT PYLE, doing business as Egg-O-Wave Company, Youngstown, Ohio. Filed July 3, 1924.

EGG-O-WAVES
O-WAVES

Particular description of goods.—Hairdressing.
Claims use since June 27, 1924.

Ser. No. 199,580. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Filed July 3, 1924.

MILL COT

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Aug. 4, 1923.

Ser. No. 199,592. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTON DODSON & CO., INC., Bethlehem, Pa. Filed July 3, 1924.



Particular description of goods.—Coal.
Claims use since January, 1913.

Ser. No. 199,598. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AROSALTS COMPANY, Atlanta, Ga. Filed July 5, 1924.



Particular description of goods.—Aromatic Epsom Salts.
Claims use since Jan. 8, 1923.

Ser. No. 199,615. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FERROLENE OXYGEN COMPANY OF AMERICA, Cleveland, Ohio. Filed July 5, 1924.

FERROLENE

Particular description of goods.—Gaseous-Fuel Compounds Suitable for the Cutting and Welding of Metals.
Claims use since about June 17, 1924.

Ser. No. 199,617. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID L. HANSON, doing business as Mefree Chem. Co., Walnut, N. C. Filed July 5, 1924.

"MEFREE?"

Particular description of goods.—Composition for the Treatment of Pyorrhea.
Claims use since June 30, 1921.

Ser. No. 199,633. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST LEBERS, New York, N. Y. Filed July 5, 1924.



Particular description of goods.—Eggs, Butter, and Cheese.
Claims use since March, 1921.

Ser. No. 199,638. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BESHARA I. MALOUF, Brooklyn, N. Y. Filed July 5, 1924.

3 in 1

Particular description of goods.—Windshield Cleaners, Squeegee Type.
Claims use since September, 1920.

Ser. No. 199,832. (CLASS 17. TOBACCO PRODUCTS.) EHRMAN BROS. HORN & COMPANY, San Francisco, Calif. Filed July 10, 1924.

EL CAMINO REAL

Particular description of goods.—Cigars.
Claims use since February, 1904.

Ser. No. 199,834. (CLASS 17. TOBACCO PRODUCTS.) EHRMAN BROS. HORN & COMPANY, San Francisco, Calif. Filed July 10, 1924.

BUGLE CALL

Particular description of goods.—Cigars.
Claims use since 1899.

Ser. No. 199,835. (CLASS 17. TOBACCO PRODUCTS.) EHRMAN BROS. HORN & COMPANY, San Francisco, Calif. Filed July 10, 1924.

LA NATIVIDAD

Particular description of goods.—Cigars.
Claims use since September, 1899.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 19, 1924.

188,025. BUTTERMILK. MILK PASTURIZED AND SUBJECTED TO ARTIFICIAL FERMENT. FULLERTON SANITARY CREAMERY, Fullerton, Calif.
Filed October 12, 1923. Serial No. 186,898. PUBLISHED JUNE 3, 1924.

188,026. CHOCOLATE. NORMA CHOCOLATE COMPANY, INC., Brooklyn, N. Y.
Filed October 16, 1923. Serial No. 187,067. PUBLISHED JUNE 3, 1924.

188,027. FRESH DATES AND DATE BUTTER. WILLIS S. MYERS, Palm Springs, Calif.
Filed November 13, 1923. Serial No. 188,272. PUBLISHED JUNE 10, 1924.

188,028. CHILDREN'S KNITTED UNDERWEAR AND UNDERWEAR FOR LADIES AND CHILDREN, MADE FROM SILK, SILK AND FIBER, AND SILK AND MERCERIZED FABRICS. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed November 14, 1923. Serial No. 188,325. PUBLISHED JUNE 3, 1924.

188,029. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. A. E. LITTLE COMPANY, Lynn, Mass.
Filed November 23, 1923. Serial No. 188,760. PUBLISHED JUNE 3, 1924.

188,030. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF RUBBER OR TEXTILE MATERIAL. A. E. LITTLE COMPANY, Lynn, Mass.
Filed November 23, 1923. Serial No. 188,761. PUBLISHED JUNE 3, 1924.

188,031. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. A. E. LITTLE COMPANY, Lynn, Mass.
Filed November 23, 1923. Serial No. 188,762. PUBLISHED JUNE 3, 1924.

188,032. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. A. E. LITTLE COMPANY, Lynn, Mass.
Filed November 23, 1923. Serial No. 188,763. PUBLISHED JUNE 3, 1924.

188,033. LADIES' AND MISSES' HATS. BOVIO BROS., INC., New York, N. Y.
Filed November 27, 1923. Serial No. 188,946. PUBLISHED JUNE 3, 1924.

188,034. SOFT DRINK. WORLD BOTTLING CO., LTD., New Orleans, La.
Filed November 28, 1923. Serial No. 189,022. PUBLISHED MARCH 18, 1924.

188,035. RADIO RECEIVING SETS AND PARTS THEREOF—NAMELY, CONDENSERS, VARIOMETERS, VARIOTRANSFORMERS, TRANSFORMERS, COMPENSATOR CONDENSERS, AND ADJUSTABLE RESISTANCE UNITS. AMSCO PRODUCTS INC., New York, N. Y.
Filed December 8, 1923. Serial No. 189,384. PUBLISHED JUNE 3, 1924.

188,036. CANDY. MOZZEL CANDY CO., Chicago, Ill.
Filed December 10, 1923. Serial No. 189,467. PUBLISHED JUNE 10, 1924.

188,037. PREPARED LIQUID CHOCOLATE FOR FOOD PURPOSES, WHICH PREPARATION HAS BEEN NAMED BY THE APPLICANT AND IS SOLD UNDER THE NAME OF PREPARED LIQUID CHOCLET. MELODEW CORPORATION, New York, N. Y., assignor, by mesne assignments, to Melodew Products Inc., a Corporation of New York.
Filed June 23, 1923. Serial No. 182,380. PUBLISHED JUNE 10, 1924.

188,038. OXFORDS AND BOOTS OF LEATHER, RUBBER AND FABRIC, LEATHER AND RUBBER, AND FABRIC AND LEATHER. THE CLEVELAND SHOE MFG. CO., Cleveland, Ohio.
Filed July 3, 1923. Serial No. 182,736. PUBLISHED JUNE 3, 1924.

188,039. BUTTER. GOLDEN STATE MILK COMPANY, Vallejo, Calif.
Filed July 5, 1923. Serial No. 182,798. PUBLISHED JANUARY 29, 1924.

188,040. LADIES', MISSES' AND CHILDREN'S HATS. PROGRESSIVE HAT MFG. CO., St. Louis, Mo.
Filed December 13, 1923. Serial No. 189,639. PUBLISHED JUNE 3, 1924.

188,041. CANDY. HOL-SOM CANDY SPECIALTY CO. INC., Baltimore, Md.
Filed December 15, 1923. Serial No. 189,716. PUBLISHED JUNE 10, 1924.

188,042. CERTAIN CINEMATOGRAPHIC, PHOTOGRAPHIC, AND PROJECTING APPARATUS. PATHE-CINEMA, ANCIENS ETABLISSEMENTS PATHE FRERES, Paris, France.
Filed December 17, 1923. Serial No. 189,811. PUBLISHED JUNE 10, 1924.

188,043. CERTAIN CINEMATOGRAPHIC, PHOTOGRAPHIC, AND PROJECTING APPARATUS. PATHE-CINEMA, ANCIENS ETABLISSEMENTS PATHE FRERES, Paris, France.
Filed December 17, 1923. Serial No. 189,812. PUBLISHED JUNE 10, 1924.

188,044. CERTAIN CINEMATOGRAPHIC, PHOTOGRAPHIC, AND PROJECTING APPARATUS. PATHE-CINEMA, ANCIENS ETABLISSEMENTS PATHE FRERES, Paris, France.
Filed December 17, 1923. Serial No. 189,813. PUBLISHED JUNE 10, 1924.

188,045. LEDGER-POSTING MACHINES. CLAUDE HERBERT BRIGHT, Jr., Memphis, Tenn.
Filed December 19, 1923. Serial No. 189,881. PUBLISHED JUNE 10, 1924.

188,046. ICE CREAM ROLLED IN CAKE. MARIO GALLO, San Francisco, Calif.
Filed May 7, 1923. Serial No. 180,278. PUBLISHED JUNE 3, 1924.

188,047. DRIED DATES, STUFFED DATES, WALNUT MEATS, FIG CONSERVE, FIG-HONEY SIRUP, DATE CONSERVE, AND SIRUPS FOR FOOD PURPOSES. HENRY C. EDWARDS, also doing business as Imperial Fruit Products Co., Los Angeles, Calif.
Filed May 9, 1923. Serial No. 180,366. PUBLISHED JUNE 10, 1924.

188,048. CERTAIN NAMED SMOKERS' ARTICLES. EUGENE ROPP, Beaume-les-Dames, France.
Filed May 11, 1923. Serial No. 180,497. PUBLISHED MAY 20, 1924.

188,049. FRESH, PICKLED, SMOKED AND CURED MEATS. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio.
Filed June 18, 1923. Serial No. 182,154. PUBLISHED MAY 27, 1924.

188,050. SLICING MACHINES. LUCEY SLICING MACHINE CO., Chicago, Ill.
Filed June 18, 1923. Serial No. 182,158. PUBLISHED JUNE 10, 1924.

188,051. CERTAIN NAMED FOODS, EXTRACTS, AND SPICES. SMITH-JACKSON COMPANY, Newcastle, Ind.
Filed June 20, 1923. Serial No. 182,272. PUBLISHED JUNE 3, 1924.

188,052. CANNED MEATS, FISH, FRUITS, AND VEGETABLES, CANDY, ETC. CRESCA COMPANY, New York, N. Y.
Filed April 23, 1919. Serial No. 117,772. PUBLISHED JUNE 3, 1924.

188,053. PNEUMATIC-TIRE VALVES, VALVE INSIDES, DUST CAPS FOR VALVES, AND NUTS. A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y.
Filed February 13, 1920. Serial No. 128,372. PUBLISHED JUNE 3, 1924.

188,054. GLOVES OF LEATHER, KID, AND FABRIC. TOURAINE GLOVE CO., INC., Boston, Mass.
Filed August 14, 1922. Serial No. 168,227. PUBLISHED MAY 27, 1924.

188,055. KNITTED BATHING SUITS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. RUGBY KNITTING MILLS, Buffalo, N. Y.
Filed November 8, 1922. Serial No. 171,743. PUBLISHED MAY 27, 1924.

188,056. MEN'S AND YOUNG MEN'S COATS, WAISTCOATS, TROUSERS, AND OVERCOATS. DAVID ADLER & SONS COMPANY, Milwaukee, Wis.
Filed November 13, 1922. Serial No. 171,886. PUBLISHED MAY 27, 1924.

188,057. STOCKINGS. DANDY HOSIERY SHOPS, Bayonne, N. J.
Filed November 20, 1922. Serial No. 172,264. PUBLISHED MAY 6, 1924.

188,058. KNITTED WEAR FOR INFANTS AND CHILDREN. REGAL KNITTING COMPANY, New York, N. Y.
Filed November 20, 1922. Serial No. 172,293. PUBLISHED AUGUST 7, 1923.

188,059. PICKLES, FRUIT SAUCE, MARMALADE, JELLY, MUSTARD, PEANUT BUTTER, AND SPICES. EMIL GUENTHER, doing business as Guenther & Handel, Springfield, Mass.
Filed March 29, 1923. Serial No. 178,188. PUBLISHED JUNE 3, 1924.

188,060. SANITARY DOOR KNOBS AND PULL HANDLES, SANITARY TOILET SEATS AND METALLIC CONTAINERS OF DISINFECTANT ADAPTED FOR MOISTENING THE HANDS IN HANDLING PAPER MONEY AND THE LIKE. SANITARY DEVICE CORPORATION, Boston, Mass.
Filed March 28, 1923. Serial No. 178,195. PUBLISHED JUNE 3, 1924.

188,061. MAYONNAISE, SANDWICH FILLING, AND THOUSAND ISLAND DRESSING. FLEMING-GREEN CO. INC., Montgomery, Ala.
Filed September 10, 1923. Serial No. 185,576. PUBLISHED APRIL 22, 1924.

188,062. DRUM TRAP. HARRY P. EICHENBAUM, Arlington Heights, Ill.
Filed October 6, 1923. Serial No. 186,633. PUBLISHED JUNE 3, 1924.

188,063. PERFORATED INNER TUBES OF BURNERS FOR OIL AND GASOLINE STOVES. AMERICAN STOVE COMPANY, St. Louis, Mo.
Filed October 11, 1923. Serial No. 186,818. PUBLISHED MAY 13, 1924.

188,064. CORSETS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed November 17, 1923. Serial No. 188,461. PUBLISHED MAY 27, 1924.

188,065. FABRICS OF COTTON IN THE PIECE. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,482. PUBLISHED JUNE 3, 1924.

188,066. MEN'S HATS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed December 18, 1923. Serial No. 189,853. PUBLISHED MAY 20, 1924.

188,067. COMBINATION LEATHER AND CLOTH GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed January 5, 1924. Serial No. 190,443. PUBLISHED MAY 20, 1924.

188,068. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed January 21, 1924. Serial No. 191,079. PUBLISHED MAY 20, 1924.

188,069. CERTAIN NAMED PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed January 26, 1924. Serial No. 191,296. PUBLISHED JUNE 3, 1924.

188,070. TOBACCO AND CIGARETTE MACHINES. UNITED CIGARETTE MACHINE COMPANY GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed January 26, 1924. Serial No. 191,352. PUBLISHED JUNE 3, 1924.

188,071. TOBACCO AND CIGARETTE MACHINES. UNITED CIGARETTE MACHINE COMPANY GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed January 26, 1924. Serial No. 191,353. PUBLISHED JUNE 3, 1924.

188,072. RUBBER SOLES FOR BOOTS AND SHOES AUBURN RUBBER COMPANY, Auburn, Ind.
Filed February 29, 1924. Serial No. 193,019. PUBLISHED JUNE 3, 1924.

188,073. BATH ROBES AND DRESSING GOWNS FOR MEN. LEWIS WISE CO. INC., New York, N. Y.
Filed February 28, 1924. Serial No. 192,980. PUBLISHED JUNE 3, 1924.

188,074. SKATES. THE ALFRED JOHNSON SKATE COMPANY, Chicago, Ill.
Filed February 28, 1924. Serial No. 192,979. PUBLISHED JUNE 10, 1924.

188,075. TYPEWRITERS AND PARTS THEREOF. JULIUS VON PETRAVIĆ, doing business as J. von Petravič & Co., Vienna, Austria.
Filed February 25, 1924. Serial No. 192,807. PUBLISHED JUNE 10, 1924.

188,076. FOOD DRINKS CONTAINING MALT CHOCOLATE FLAVOR. MALTOP, INC., Buffalo, N. Y.
Filed February 23, 1924. Serial No. 192,709. PUBLISHED JUNE 3, 1924.

188,077. SHOES MADE OF LEATHER, CANVAS, CLOTH, OR COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed February 21, 1924. Serial No. 192,595. PUBLISHED JUNE 3, 1924.

188,078. CANNED FRUITS, CANNED VEGETABLES, CANNED PIMIENTOS. FAIR & MARTIN, INC., Atlanta, Ga.
Filed February 15, 1924. Serial No. 192,321. PUBLISHED JUNE 3, 1924.

188,079. MASSAGING STONE FOR USE ON THE SKIN. WILLIAM KING, Shalford, England.
Filed February 5, 1924. Serial No. 191,833. PUBLISHED JUNE 10, 1924.

188,080. EDIBLE-FOOD RECEPTACLES. KREAM KUP COMPANY, Chicago, Ill.
Filed February 4, 1924. Serial No. 191,776. PUBLISHED JUNE 3, 1924.

188,081. ICE-CREAM CONFECTIONS. ALBERT H. JOCKEN, Saginaw, Mich.
Filed February 4, 1924. Serial No. 191,770. PUBLISHED JUNE 3, 1924.

188,082. FISHLINE LEADERS AND SNELLS. KINNICKINNIC TACKLE CO., River Falls, Wis.
Filed January 30, 1924. Serial No. 191,492. PUBLISHED JUNE 10, 1924.

188,083. CAKES AND CAKE MIXTURE. JARUBG BROS. INC., New York, N. Y.
Filed January 30, 1924. Serial No. 191,488. PUBLISHED MARCH 18, 1924.

188,084. RADIO TUNING INDUCTANCE COIL. ELLIS L. LEVIN, doing business as Elvin Radio Company, Philadelphia, Pa.
Filed January 28, 1924. Serial No. 191,386. PUBLISHED MAY 6, 1924.

188,085. CIGARS. WONNINA BOX CIGAR COMPANY, New York, N. Y.
Filed January 12, 1924. Serial No. 190,751. PUBLISHED JUNE 10, 1924.

188,086. MAYONNAISE, PEPPER RELISH, HORSERADISH, AND PICKLES. NEW JERSEY PICKLE WORKS, Long Branch, N. J.
Filed January 12, 1924. Serial No. 190,740. PUBLISHED JUNE 3, 1924.

188,087. LEATHER GLOVES. LEON FERNAND GUIGNIE, doing business as L. F. Guignie, Grenoble, France.
Filed January 11, 1924. Serial No. 190,683. PUBLISHED JUNE 3, 1924.

188,088. SAUSAGE SEASONING. A. C. LEGG PACKING CO. INC., Birmingham, Ala.
Filed January 7, 1924. Serial No. 190,506. PUBLISHED JUNE 3, 1924.

188,089. CONDENSED MILK AND EVAPORATED MILK. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland.
Filed January 4, 1924. Serial No. 190,424. PUBLISHED JUNE 3, 1924.

188,090. CANNED FRUITS, CANNED VEGETABLES, CONDIMENTS—NAMELY, PREPARED MUSTARD. LUCIDO BROTHERS GROCERY COMPANY, Granite City, Ill.
Filed December 26, 1923. Serial No. 190,109. PUBLISHED JUNE 3, 1924.

188,091. CANNED SARDINES. ALFRED I. ESBERG, doing business as Duff's Sardines, San Francisco, Calif.
Filed December 26, 1923. Serial No. 190,093. PUBLISHED JUNE 10, 1924.

188,092. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, VESTS, PANTS, OVERCOATS, RAINCOATS, DUSTERS, MACKINAWS, ULSTERS, SMOKING JACKETS, AUTOMOBILE COATS, BATH WRAPS, AND WOMEN'S AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, BATH WRAPS, AND MACKINAWS COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed March 3, 1924. Serial No. 193,156. PUBLISHED JUNE 3, 1924.

188,093. CORSETS AND BRASSIÈRES. LANSBURGH & BRO. INC., Washington, D. C.
Filed March 26, 1924. Serial No. 194,457. PUBLISHED MAY 27, 1924.

188,094. CORSETS. BONWIT TELLER & CO., New York, N. Y.
Filed March 26, 1924. Serial No. 194,431. PUBLISHED MAY 27, 1924.

188,095. LEATHER SHOES. P. W. MINOR & SONS, INC., Batavia, N. Y.
Filed March 19, 1924. Serial No. 194,075. PUBLISHED MAY 27, 1924.

188,096. CARBON TOOL STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,070. PUBLISHED JUNE 3, 1924.

188,097. OIL-HARDENING STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,069. PUBLISHED JUNE 3, 1924.

188,098. CARBON TOOL STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,067. PUBLISHED JUNE 3, 1924.

188,099. CANDY—NAMELY, CHOCOLATE IN BAR FORM, HARD CANDY, AND CHOCOLATE CREAM CANDY. MATRIX CANDY CORPORATION, New York, N. Y.
Filed March 7, 1924. Serial No. 193,407. PUBLISHED JUNE 3, 1924.

188,100. CHEMICAL PRODUCTS FOR AGRICULTURAL AND HORTICULTURAL USE. M. M. WRIGHT COMPANY LIMITED, Vancouver, British Columbia, Canada.
Filed February 21, 1924. Serial No. 192,657. PUBLISHED JUNE 3, 1924.

188,101. CHEMICAL PRODUCTS FOR AGRICULTURAL AND HORTICULTURAL USE. ANDREWS ESCOTT COMPANY, Vancouver, British Columbia, Canada.
Filed February 21, 1924. Serial No. 192,590. PUBLISHED JUNE 3, 1924.

188,102. CANNED FRUITS AND VEGETABLES. ROY E. ROBERTS, doing business as Lord-Mott Co., Baltimore, Md.
Filed February 18, 1924. Serial No. 192,498. PUBLISHED JUNE 3, 1924.

188,103. CANDY. THE COCA-COLA BOTTLING COMPANY, Wichita, Kans.
Filed February 15, 1924. Serial No. 192,308. PUBLISHED JUNE 3, 1924.

188,104. SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. CENTRAL SHOE COMPANY, St. Louis, Mo.
Filed February 15, 1924. Serial No. 192,306. PUBLISHED MAY 27, 1924.

188,105. CONDUCTOR PIPE, CONDUCTOR-PIPE STRAPS, CONDUCTOR-PIPE HEADS, CONDUCTOR-PIPE ELBOWS, CONDUCTOR-PIPE HOOKS, CROSS-BAR GUTTER HANGERS, GUTTER HANGERS AND PARTS THEREOF, PIPE FASTENERS, BUCKET EARS, TINWARE-HANDLES, SNOW IRONS, STOVE AND OVEN TURNBUCKLES, PIPE STRAPS, BLAST GATES. BERGER BROS. COMPANY, Philadelphia, Pa.
Filed February 9, 1924. Serial No. 192,058. PUBLISHED JUNE 3, 1924.

188,106. LEATHER SHOES. EMMERICK ANDERSON, Cincinnati, Ohio.
Filed February 9, 1924. Serial No. 192,052. PUBLISHED MAY 20, 1924.

188,107. CORSETS AND GIRDLES. THE H. W. GOSSARD CO., Chicago, Ill.
Filed February 8, 1924. Serial No. 192,017. PUBLISHED MAY 27, 1924.

188,108. KNITTED CAPS FOR MEN, WOMEN, AND CHILDREN. QUEEN CITY PRODUCTS, INC., Buffalo, N. Y.
Filed February 6, 1924. Serial No. 191,910. PUBLISHED MAY 20, 1924.

188,109. LEATHER SHOES AND FELT SLIPPERS FOR MEN, WOMEN, AND CHILDREN. INTERNATIONAL SHOE COMPANY, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y.
Filed February 1, 1924. Serial No. 191,624. PUBLISHED MAY 27, 1924.

188,110. SHOES AND HOUSE AND BEDROOM SLIPPERS OF LEATHER AND FABRIC OR COMBINATIONS OF THE SAME. GOLO SLIPPER COMPANY, New York, N. Y.
Filed January 29, 1924. Serial No. 191,430. PUBLISHED MAY 20, 1924.

188,111. LEATHER BOOTS, RUBBER BOOTS, AND SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SUCH MATERIALS. SELZ, SCHWAB & CO., INC., Chicago, Ill.
Filed January 28, 1924. Serial No. 191,410. PUBLISHED MAY 27, 1924.

188,112. TOBACCO AND CIGARETTE MACHINES. UNITED CIGARETTE MACHINE COMPANY GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed January 26, 1924. Serial No. 191,354. PUBLISHED JUNE 3, 1924.

188,113. LOOM PICKERS. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,802. PUBLISHED JUNE 3, 1924.

188,114. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita, Kans., Kansas City, Kans., and Kansas City, Mo.
Filed March 18, 1924. Serial No. 194,015. PUBLISHED MAY 27, 1924.

188,115. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita, Kans., Kansas City, Kans., and Kansas City, Mo.
Filed March 18, 1924. Serial No. 194,016. PUBLISHED MAY 27, 1924.

188,116. CARBON TOOL STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,066. PUBLISHED JUNE 3, 1924.

188,117. POULTRY FEEDS. HESPENHEIDE & THOMPSON, York, Pa.
Filed March 24, 1924. Serial No. 194,348. PUBLISHED MAY 27, 1924.

188,118. WHEAT FLOUR. MODEL MILL COMPANY, Jackson, Tenn.
Filed March 24, 1924. Serial No. 194,366. PUBLISHED MAY 27, 1924.

188,119. THERMOMETERS AS USED BY PHYSICIANS, SURGEONS, VETERINARIANS, AND THE LIKE. NURNBERG THERMOMETER CO., New York, N. Y.
Filed March 24, 1924. Serial No. 194,370. PUBLISHED JUNE 3, 1924.

188,120. SANITARY NAPKINS. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed March 29, 1924. Serial No. 194,647. PUBLISHED JUNE 3, 1924.

188,121. BUTTER, EGGS, AND CHEESE. TOLOMA CREAMERY, Los Angeles, Calif.
Filed March 29, 1924. Serial No. 194,679. PUBLISHED MAY 27, 1924.

188,122. WHEAT SHORTS, WHEAT BRAN, FANCY FEED, AND CHICKEN FEED. CITY MILLS COMPANY, Columbus, Ga.
Filed April 5, 1924. Serial No. 195,048. PUBLISHED JUNE 3, 1924.

188,123. DENTAL INSTRUMENTS. JENNIE RUBIN, doing business as Union Dental Instrument Mfg. Company, Philadelphia, Pa.
Filed April 5, 1924. Serial No. 195,075. PUBLISHED JUNE 3, 1924.

188,124. BREAD. UNITED BAKING CO. INC., Schenectady, N. Y.
Filed April 12, 1924. Serial No. 195,467. PUBLISHED MAY 27, 1924.

188,125. SELF-RISING FLOUR. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y.
Filed April 12, 1924. Serial No. 195,468. PUBLISHED MAY 27, 1924.

188,126. UNSALTED BUTTER. SUGAR CREEK CREAMERY CO., Danville, Ill.
Filed April 14, 1924. Serial No. 195,550. PUBLISHED MAY 27, 1924.

188,127. MECHANICAL DEVICES FOR THE CORRECTION OF FLAT AND PROTRUDING EARS. PRIMSET COMPANY, New York, N. Y.
Filed April 18, 1924. Serial No. 195,762. PUBLISHED JUNE 3, 1924.

188,128. WOODEN SPOONS. L. F. GRAMMES & SONS, INC., Allentown, Pa.
Filed April 21, 1924. Serial No. 195,882. PUBLISHED JUNE 3, 1924.

188,129. WHOLE-GRAIN FOOD MIXTURES. SUMPTER L. FLOWERS, Nampa, Idaho.
Filed April 22, 1924. Serial No. 195,952. PUBLISHED JUNE 3, 1924.

188,130. WRENCHES. PITTSBURGH MALLEABLE IRON CO., Pittsburgh, Pa.
Filed April 22, 1924. Serial No. 195,984. PUBLISHED JUNE 3, 1924.

188,131. HIGH-SPEED STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,065. PUBLISHED JUNE 3, 1924.

188,132. COFFEE. C. F. BLANKE TEA & COFFEE CO., St. Louis, Mo.
Filed February 10, 1923. Serial No. 175,842. PUBLISHED JUNE 10, 1924.

188,133. DATES AND COFFEE. ARNOLD CHENEY & CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,325. PUBLISHED JUNE 10, 1924.

188,134. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed February 21, 1923. Serial No. 176,430. PUBLISHED JUNE 10, 1924.

188,135. PREPARED CAKE ICING. JACOB HOUSE & SONS, Buffalo, N. Y.
Filed March 10, 1923. Serial No. 177,223. PUBLISHED JUNE 10, 1924.

188,136. CANNED VEGETABLES AND PORK AND BEANS. STEPHENS GROCER CO., Champaign, Ill.
Filed April 12, 1923. Serial No. 179,064. PUBLISHED JUNE 10, 1924.

188,137. SEWING MACHINES. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed March 31, 1924. Serial No. 194,757. PUBLISHED JUNE 3, 1924.

188,138. SEWING MACHINES. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed March 31, 1924. Serial No. 194,758. PUBLISHED JUNE 3, 1924.

188,139. PULLING MACHINES FOR OIL WELLS. THE SAFETY PULLING MACHINE COMPANY, Independence, Kans.
Filed April 3, 1924. Serial No. 194,949. PUBLISHED JUNE 3, 1924.

188,140. CANVAS PULLEY COVERINGS. ELMER E. HAWES, New York, N. Y.
Filed April 17, 1924. Serial No. 195,687. PUBLISHED JUNE 3, 1924.

188,141. ROTARY SNOWPLOWS. THE ROTARY SNOW PLOW COMPANY, Minneapolis, Minn.
Filed April 17, 1924. Serial No. 195,716. PUBLISHED JUNE 3, 1924.

188,142. KNIFE, SCISSORS, AND EDGE-TOOL SHARPENERS. OSCAR C. CRAVER, doing business as Jiffy Company, Philadelphia, Pa.
Filed April 23, 1924. Serial No. 196,009. PUBLISHED JUNE 3, 1924.

188,143. BOILER-TUBE EXPANDERS. THOMAS PROSSER & SON, New York, N. Y.
Filed April 24, 1924. Serial No. 196,071. PUBLISHED JUNE 3, 1924.

188,144. CANNED FISH. NEW ENGLAND FISH CO., Boston, Mass.
Filed July 21, 1923. Serial No. 183,532. PUBLISHED JUNE 10, 1924.

188,145. DESICCATED COCONUT. PHILIPPINE DESICCATED COCONUT CORPORATION, New York, N. Y.
Filed August 2, 1923. Serial No. 183,988. PUBLISHED JUNE 3, 1924.

188,146. CERTAIN NAMED TEXTILE GOODS. S. BLECHMAN & SONS INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,159. PUBLISHED OCTOBER 2, 1923.

188,147. ARTICLES OF APPAREL FOR MEN, WOMEN, AND CHILDREN—VIZ, SWEATERS AND KNIT UNDERWEAR, IN ONE AND TWO PIECE GARMENTS; AND HOSIERY. DOMINANT KNITTING MILLS, New York, N. Y.
Filed August 21, 1923. Serial No. 184,785. PUBLISHED JUNE 3, 1924.

188,148. LEATHER AND FABRIC GLOVES. P. CENTEMERI & CO., New York, N. Y.
Filed September 7, 1923. Serial No. 185,431. PUBLISHED JUNE 3, 1924.

188,149. MEN'S AND BOYS' WATERPROOF CLOTHING. SOCIÉTÉ ANONYME DU LODEN FRANÇAIS, Paris, France.
Filed September 7, 1923. Serial No. 185,501. PUBLISHED JANUARY 8, 1924.

188,150. SARDINES, FISH BALLS, CURED CODFISH, CHEESE, TOAST, EVAPORATED MILK, PICKLES, KRAUT, CANNED CORN, TOMATOES, AND PEAS, AND CURED HERRING. BERGSETH FISH COMPANY, Fargo, N. Dak.
Filed October 1, 1923. Serial No. 186,408. PUBLISHED JUNE 3, 1924.

188,151. CANNED TUNNY FISH. WESTGATE SEA PRODUCTS CO., San Diego, Calif.
Filed October 10, 1923. Serial No. 186,817. PUBLISHED JUNE 3, 1924.

188,152. HERNIAL TRUSSES. CHESTERMAN-LEELAND COMPANY, Philadelphia, Pa.
Filed May 2, 1924. Serial No. 196,437. PUBLISHED JUNE 10, 1924.

188,153. FISHING REELS. PLINY CATUCCI, Newark, N. J.
Filed May 2, 1924. Serial No. 196,428. PUBLISHED JUNE 10, 1924.

188,154. MAYONNAISE AND THOUSAND ISLAND SALAD DRESSING. LESTON COMPANY, St. Louis, Mo.
Filed May 1, 1924. Serial No. 196,393. PUBLISHED JUNE 10, 1924.

188,155. DEHYDRATED PASTEURIZED SWEET-CREAM BUTTERMILK POWDER. DRY BUTTERMILK COMPANY, Waseca, Minn.
Filed April 30, 1924. Serial No. 196,337. PUBLISHED JUNE 10, 1924.

188,156. PICKLES. MRS. E. G. KIDD, INCORPORATED, Richmond, Va.
Filed April 29, 1924. Serial No. 196,307. PUBLISHED JUNE 10, 1924.

188,157. BACON. SWIFT AND COMPANY, Chicago, Ill.
Filed April 26, 1924. Serial No. 196,208. PUBLISHED JUNE 10, 1924.

188,158. BACON. SWIFT AND COMPANY, Chicago, Ill.
Filed April 26, 1924. Serial No. 196,207. PUBLISHED JUNE 10, 1924.

188,159. CANNED FISH. R. E. COTTER CO., San Francisco, Calif.
Filed April 26, 1924. Serial No. 196,155. PUBLISHED JUNE 10, 1924.

188,160. FRESH PEARS. CARMEL VALLEY FRUIT GROWERS ASSOCIATION, Monterey, Calif.
Filed April 26, 1924. Serial No. 196,154. PUBLISHED JUNE 10, 1924.

188,161. MANICURE SETS SOLD AS A UNIT AND MECHANICAL DEVICES FOR SHAPING FINGERS. JOHN HILGERS, Binghamton, N. Y.
Filed April 25, 1924. Serial No. 196,114. PUBLISHED JUNE 10, 1924.

188,162. ELECTRIC PERMUTATION LOCK. WETHLING-BAKLEY LOCK CORPORATION, Orange, N. J.
Filed April 23, 1924. Serial No. 196,040. PUBLISHED JUNE 10, 1924.

188,163. SASH AND DOOR LOCK. HERMAN HOFF, Buffalo, N. Y.
Filed April 22, 1924. Serial No. 195,962. PUBLISHED JUNE 10, 1924.

188,164. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. HAAS BROTHERS, San Francisco, Calif.
Filed April 22, 1924. Serial No. 195,958. PUBLISHED JUNE 10, 1924.

188,165. TABLE SIRUPS AND JELLIES. RICHARD D. GARRETT, Tucumcari, N. Mex.
Filed July 14, 1923. Serial No. 183,208. PUBLISHED JUNE 3, 1924.

188,166. ROTARY WELL DRILLING AND FISHING TOOLS. THE FEDERAL SUPPLY CO., Fort Worth, Tex.
Filed January 23, 1923. Serial No. 174,960. PUBLISHED JUNE 10, 1924.

188,167. COFFEE, TEA, SPICES, POWDERED MUSTARD, FLAVORING EXTRACTS, AND COCOA. ALLEN-RETHEMEYER CO., St. Louis, Mo.
Filed December 16, 1922. Serial No. 173,387. PUBLISHED JUNE 10, 1924.

188,168. CERTAIN DRAWING INSTRUMENTS AND MATERIALS. KOLESCH & CO., New York, N. Y.
Filed October 25, 1922. Serial No. 171,177. PUBLISHED JUNE 10, 1924.

188,169. CANNED VEGETABLES. HULMAN & CO., Terre Haute, Ind.
Filed October 17, 1922. Serial No. 170,817. PUBLISHED JUNE 3, 1924.

188,170. CANNED AND OTHER FOODS. WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn.
Filed June 26, 1922. Serial No. 166,119. PUBLISHED JUNE 3, 1924.

188,171. CANDY. CHRISTINE M. KERNAN, Philadelphia, Pa.
Filed July 6, 1918. Serial No. 111,966. PUBLISHED APRIL 22, 1919.

188,172. ARTIFICIAL-SILK YARNS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed May 1, 1924. Serial No. 196,376. PUBLISHED JUNE 10, 1924.

188,173. ARTIFICIAL-SILK YARN. DUPLAN SILK CORPORATION, New York, N. Y.
Filed May 1, 1924. Serial No. 196,375. PUBLISHED JUNE 10, 1924.

188,174. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed April 12, 1924. Serial No. 195,461. PUBLISHED JUNE 10, 1924.

188,175. GLASS BOTTLES. KNOX GLASS BOTTLE COMPANY, Knox, Pa.
Filed April 11, 1924. Serial No. 195,403. PUBLISHED JUNE 10, 1924.

188,176. CERTAIN PIECE OR BOLT FABRICS. COHN-HALL-MARX CO., New York, N. Y.
Filed April 10, 1924. Serial No. 195,262. PUBLISHED JUNE 10, 1924.

188,177. SILKS AND SATINS IN THE PIECE. HERMAN HOFFMAN, New York, N. Y.
Filed April 9, 1924. Serial No. 195,228. PUBLISHED JUNE 10, 1924.

188,178. FUSE FOR BLASTING AND MINING PURPOSES. THE ENSIGN-BICKFORD CO., Simsbury, Conn.
Filed April 8, 1924. Serial No. 195,163. PUBLISHED JUNE 10, 1924.

188,179. SUITINGS MANUFACTURED FROM COTTON AND ARTIFICIAL SILK FIBERS. ABERFOYLE MFG. CO., Chester, Pa.
Filed March 27, 1924. Serial No. 194,502. PUBLISHED JUNE 10, 1924.

188,180. CERTAIN NAMED TABLE LINENS AND FURNITURE SCARFS. PERLMANN, SCHAL & STERN INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,855. PUBLISHED JUNE 10, 1924.

188,181. CERTAIN NAMED PIECE GOODS. BERTRAM EHRENBERG, New York, N. Y.
Filed March 25, 1924. Serial No. 194,398. PUBLISHED JUNE 10, 1924.

188,182. THREAD. THE UNION THREAD COMPANY, Cincinnati, Ohio.
Filed March 21, 1924. Serial No. 194,226. PUBLISHED JUNE 10, 1924.

188,183. GOODS OF COTTON, WOOL, SILK, LINEN, OR COMBINATIONS OF THE SAME. NEAR EAST RELIEF, Washington, D. C.
Filed March 17, 1924. Serial No. 193,945. PUBLISHED JUNE 10, 1924.

188,184. CERTAIN NAMED TABLE LINENS AND FURNITURE SCARFS. PERLMANN, SCHAL & STERN INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,854. PUBLISHED JUNE 10, 1924.

188,185. CERTAIN NAMED TABLE LINENS AND FURNITURE SCARFS. PERLMANN, SCHAL & STERN INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,852. PUBLISHED JUNE 10, 1924.

188,186. SILK AND WOOL CRÊPE IN THE PIECE. J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y.
Filed March 7, 1924. Serial No. 193,411. PUBLISHED JUNE 10, 1924.

188,187. VOILE IN THE PIECE. YORK MANUFACTURING COMPANY, New York, N. Y.
Filed February 28, 1924. Serial No. 193,016. PUBLISHED MAY 13, 1924.

188,188. PIECE GOODS OF WOOL, COTTON, AND SILK AND MIXTURES OF THE SAME. SOCIETE RODIER, Paris, France.
Filed February 20, 1924. Serial No. 192,584. PUBLISHED JUNE 10, 1924.

188,189. LININGS OF ALPACA AND MOHAIR, BEING PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed January 26, 1924. Serial No. 191,297. PUBLISHED JUNE 10, 1924.

188,190. COTTON PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed January 26, 1924. Serial No. 191,294. PUBLISHED JUNE 10, 1924.

188,191. HOLDERS AND HANDLES FOR SAFETY-RAZOR BLADES. LEE G. GLOCKNER, Los Angeles, Calif.
Filed April 13, 1923. Serial No. 179,095. PUBLISHED JUNE 3, 1924.

188,192. PACKING-HOUSE PRODUCTS—NAMELY, FRESH PORK, SAUSAGE, BARRELED CORN BEEF, CANNED SANDWICH MEATS, CURED HAMS, AND BACON. THE G. H. HAMMOND COMPANY, Chicago, Ill.
Filed May 11, 1923. Serial No. 180,475. PUBLISHED JUNE 3, 1924.

188,193. PESSARIES. OSCAR GREENWALD, Brooklyn, N. Y.
Filed June 30, 1923. Serial No. 182,657. PUBLISHED JUNE 3, 1924.

188,194. FEEDS—NAMELY, STOCK AND POULTRY FEEDS. THE U. S. AGRICULTURAL CO., South Omaha, Nebr.
Filed July 5, 1923. Serial No. 182,842. PUBLISHED MAY 27, 1924.

188,195. CERTAIN LEAD-COATED ARTICLES. AMERICAN MACHINE & FOUNDRY COMPANY, Jersey City, N. J., and New York, N. Y.
Filed December 22, 1923. Serial No. 190,001. PUBLISHED JUNE 3, 1924.

188,196. WHEAT FLOUR, AND PARTICULARLY SELF-RISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed January 5, 1924. Serial No. 190,440. PUBLISHED MAY 27, 1924.

188,197. WHEAT FLOUR. BERNHARDT CHRISTOFFERS, New York, N. Y.
Filed January 11, 1924. Serial No. 190,675. PUBLISHED MAY 27, 1924.

188,198. WHEAT FLOUR, AND PARTICULARLY SELF-RISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed January 14, 1924. Serial No. 190,754. PUBLISHED MAY 27, 1924.

188,199. MAGNIFYING MIRRORS FOR EXAMINING SKIN TEXTURE. FREDERICK F. INGRAM CO., Detroit, Mich.
Filed January 22, 1924. Serial No. 191,131. PUBLISHED JUNE 3, 1924.

188,200. PISTONS FOR ENGINES. MULTIPLEX MANUFACTURING COMPANY, Berwick, Pa.
Filed February 16, 1924. Serial No. 192,412. PUBLISHED JUNE 3, 1924.

188,201. FRESH CITROUS FRUITS. SOUTHERN CITRUS PACKING COMPANY, INC., Lakeland, Fla.
Filed February 16, 1924. Serial No. 192,439. PUBLISHED JUNE 3, 1924.

188,202. SAW RIGS. THE BUDDIE EQUIPMENT COMPANY, Cleveland, Ohio.
Filed February 18, 1924. Serial No. 192,477. PUBLISHED JUNE 3, 1924.

188,203. GIRLS', MISSES', LADIES', AND WOMEN'S HATS. ZEIGLER MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 23, 1924. Serial No. 192,747. PUBLISHED JUNE 3, 1924.

188,204. METAL SURFACER, BEING A TOOL FOR GIVING A SMOOTH FINISH TO METAL. CARVER FILE CO., also doing business as Delta File Works, Philadelphia, Pa.
Filed March 7, 1924. Serial No. 193,385. PUBLISHED JUNE 3, 1924.

188,205. ICE PICKS. THE TORRINGTON COMPANY, Torrington, Conn.
Filed March 10, 1924. Serial No. 193,555. PUBLISHED JUNE 3, 1924.

188,206. DISHWASHERS. GIBSON APPLIANCE COMPANY, Hopewell and Richmond, Va.
Filed March 11, 1924. Serial No. 193,587. PUBLISHED JUNE 3, 1924.

188,207. CERTAIN NAMED MACHINERY. OAKES & BURGER CO., Cattaraugus, N. Y.
Filed March 11, 1924. Serial No. 193,618. PUBLISHED JUNE 3, 1924.

188,208. FRESH VEGETABLES—NAMELY, TOMATOES AND RHUBARB. THE IRVINE COMPANY, Tustin, Calif.
Filed March 14, 1924. Serial No. 193,773. PUBLISHED JUNE 3, 1924.

188,209. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita and Kansas City, Kans., and Kansas City, Mo.
Filed March 14, 1924. Serial No. 193,779. PUBLISHED MAY 27, 1924.

188,210. PLIERS, SCISSORS, AND POCKETKNIVES. FRANS VAN DER VYGH, doing business as Reppin Manufacturing Company, New York, N. Y.
Filed March 14, 1924. Serial No. 193,792. PUBLISHED JUNE 3, 1924.

188,211. FRESH LEMONS. GLENDORA LEMON GROWERS ASSN., Glendora, Calif.
Filed March 21, 1924. Serial No. 194,183. PUBLISHED JUNE 10, 1924.

188,212. FRESH LEMONS. GLENDORA LEMON GROWERS ASSN., Glendora, Calif.
Filed March 21, 1924. Serial No. 194,181. PUBLISHED JUNE 10, 1924.

188,213. BUTTER AND POWDERED MILK. DEWART MILK PRODUCTS CO. INC., Dewart and Delaware Township, Northumberland County, Pa.
Filed March 21, 1924. Serial No. 194,166. PUBLISHED JUNE 3, 1924.

188,214. DOLLS. SCHOEN & YONDORF CO. INC., New York, N. Y.
Filed March 20, 1924. Serial No. 194,131. PUBLISHED JUNE 10, 1924.

188,215. CHEWING GUM. KATHERINE T. DONOVAN, doing business as Vanran Gum Co., Lynn, Mass.
Filed March 20, 1924. Serial No. 194,099. PUBLISHED JUNE 10, 1924.

188,216. CHEWING GUM. KATHERINE T. DONOVAN, doing business as Vanran Gum Co., Lynn, Mass.
Filed March 20, 1924. Serial No. 194,098. PUBLISHED JUNE 10, 1924.

188,217. CANDY. ABILENE CANDY MFG. CO., Abilene, Tex.
Filed March 20, 1924. Serial No. 194,094. PUBLISHED JUNE 10, 1924.

188,218. CANDY. PETER PAUL CANDY MANUFACTURING COMPANY, INCORPORATED, Naugatuck, Conn.
Filed March 19, 1924. Serial No. 194,076. PUBLISHED JUNE 10, 1924.

188,219. FLAVORING EXTRACTS USED FOR FLAVORING ICE CREAM AND PUDDINGS AND OTHER PRODUCTS, BEING AN ALCOHOLIC EXTRACT. RICHARD FRANK, doing business as Richard Frank & Co., New York, N. Y.
Filed March 19, 1924. Serial No. 194,054. PUBLISHED JUNE 3, 1924.

188,220. MEN'S, LADIES', AND CHILDREN'S CLOTHING. CARL D. FRANKE, doing business as Paris Cleaning Co., Springfield, Ill.
Filed March 18, 1924. Serial No. 193,998. PUBLISHED JUNE 3, 1924.

188,221. CHOCOLATE NOUGAT BARS. NATIONAL NOUGAT COMPANY, New York, N. Y.
Filed March 17, 1924. Serial No. 193,943. PUBLISHED JUNE 10, 1924.

188,222. GARTERS, DRESS, NEGLIGEE, AND WORK SHIRTS, AND BELTS FOR PERSONAL WEAR. THE MEYER, WISE & KAICHEN CO., Cincinnati, Ohio.
Filed March 17, 1924. Serial No. 193,940. PUBLISHED JUNE 3, 1924.

188,223. FOOD PRODUCT CONSISTING OF SUGAR COMBINED WITH DRY SKIM MILK, DRY WHOLE MILK, COCOA, AND MALT. SAM'L A. MARSHAK, doing business as Marshak Maltmilk Co., Brooklyn, N. Y.
Filed March 17, 1924. Serial No. 193,938. PUBLISHED JUNE 3, 1924.

188,224. MADE-UP FUR PIECES—VIZ. SCARFS, CHOKERS, AND STOLES. SAMUEL MORSE, New York, N. Y.
Filed March 15, 1924. Serial No. 193,847. PUBLISHED JUNE 3, 1924.

188,225. THERMOSTATIC CONTROLS. THE H. A. WILSON COMPANY, Newark, N. J.
Filed March 14, 1924. Serial No. 193,793. PUBLISHED JUNE 10, 1924.

188,226. POCKETKNIVES, SCISSORS, SHEARS, PLIERS, AND NIPPERS. FRANS VAN DER VYGH, doing business as Hikecut Company, New York, N. Y.
Filed March 14, 1924. Serial No. 193,791. PUBLISHED JUNE 10, 1924.

188,227. CANNED VEGETABLES—NAMELY, PEAS; BEANS, BOTH GREEN REFUGEE AND WAX; BEETS, PUMPKIN, CORN, AND TOMATOES. DAVID HARUM CANNING CO. INC., Homer, N. Y.
Filed March 14, 1924. Serial No. 193,770. PUBLISHED JUNE 10, 1924.

188,228. CANNED VEGETABLES—NAMELY, PEAS, BEANS; BOTH GREEN REFUGEE AND WAX. DAVID HARUM CANNING CO. INC., Homer, N. Y.
Filed March 14, 1924. Serial No. 193,769. PUBLISHED JUNE 10, 1924.

188,229. NIGHTGOWNS, PYJAMAS, VESTS, STRAIGHT AND ENVELOPE STEP-INS, BLOOMERS, OPEN AND CLOSED DRAWERS, CHEMISE, ENVELOPE AND STEP-IN CHEMISE, CORSET COVERS, CAMISOLES, PRINCESS, AND COSTUME SLIPS, PETTICOATS, CACHETS, AND WAISTS OF TEXTILE FABRICS. FEUSTMAN-RUBIN COMPANY, name changed to Stuart Undergarment Company, Philadelphia Pa., a Corporation of Pennsylvania.
Filed March 14, 1924. Serial No. 193,763. PUBLISHED JUNE 3, 1924.

188,230. MEN'S SUITS. L. A. ZIONTS, McKees Rocks, Pa.
Filed March 13, 1924. Serial No. 193,747. PUBLISHED JUNE 3, 1924.

188,231. BOAT PUMPS AND BOAT-PUMP VALVES. BERGER BROS. COMPANY, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,774. PUBLISHED JUNE 10, 1924.

188,232. FRESH ORANGES, GRAPEFRUIT, AND TANGERINES. A. B. & D. B. KIBLER, Lakeland, Fla.
Filed March 21, 1924. Serial No. 194,194. PUBLISHED JUNE 10, 1924.

188,233. ICE CREAM, WATER ICES, SHERBETS, AND FROZEN CUSTARDS. JOHN VENARDOS, Alton, Ill.
Filed March 25, 1924. Serial No. 194,422. PUBLISHED JUNE 3, 1924.

188,234. ALIMENTARY PASTE PRODUCTS—NAMELY, MACARONI, SPAGHETTI, VERMICELLI, AND EGG NOODLES. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed March 27, 1924. Serial No. 194,580. PUBLISHED JUNE 3, 1924.

188,235. BASKET BALLS, FOOTBALLS, AND VOLLEY BALLS. A. J. REACH COMPANY, Philadelphia, Pa.
Filed March 28, 1924. Serial No. 194,619. PUBLISHED JUNE 10, 1924.

188,236. GINGER ALE, BIRCH BEER, DISTILLED WATER, AND CARBONATED WATER. ADAM SCHEIDT BREWING CO., Norristown, Pa.
Filed March 28, 1924. Serial No. 194,623. PUBLISHED JUNE 10, 1924.

188,237. BOOTS, SHOES, AND SANDALS OF KID, LEATHER, AND CANVAS. THE JUVENILE SHOE CORPORATION OF AMERICA, Carthage, Mo.
Filed December 14, 1923. Serial No. 189,676. PUBLISHED MAY 13, 1924.

188,238. CANNED FRUITS. RAY-MALING CO. INC., Portland, Oreg.
Filed February 16, 1924. Serial No. 192,426. PUBLISHED JUNE 3, 1924.

188,239. CANNED FRUITS AND CANNED BERRIES. RAY-MALING CO. INC., Portland, Oreg.
Filed February 16, 1924. Serial No. 192,423. PUBLISHED JUNE 3, 1924.

188,240. CANNED FRUITS. RAY-MALING CO. INC., Portland, Oreg.
Filed February 16, 1924. Serial No. 192,422. PUBLISHED JUNE 3, 1924.

188,241. COFFEE, TEA, SPICES, POWDERED MUSTARD, FLAVORING EXTRACTS, AND COCOA. ALLEN-RETHEMEYER CO., St. Louis, Mo.
Filed December 16, 1922. Serial No. 173,389. PUBLISHED JUNE 3, 1924.

188,242. COFFEE, TEAS, SPICES, POWDERED MUSTARD, FLAVORING EXTRACTS, AND COCOA. ALLEN-RETHEMEYER CO., St. Louis, Mo.
Filed December 16, 1922. Serial No. 173,388. PUBLISHED JUNE 3, 1924.

188,243. AEROPLANES AND ACCESSORIES. SOCIETE ANONYME DES AEROPLANES G. VOISIN, Paris, France.
Filed December 27, 1920. Serial No. 141,536. PUBLISHED JANUARY 29, 1924.

188,244. ROLLER SKATES. KOKOMO STAMPED METAL CO., Kokomo, Ind.
Filed March 6, 1924. Serial No. 193,339. PUBLISHED JUNE 10, 1924.

188,245. MAYONNAISE AND VEGETABLE SANDWICH RELISH. THE FOOD PRODUCTS DISTRIBUTING COMPANY, Cuyahoga Falls, Ohio.
Filed March 5, 1924. Serial No. 193,278. PUBLISHED JUNE 3, 1924.

188,246. RADIO OUTFITS, DEVICES, AND ACCESSORIES—NAMELY, LOUD SPEAKERS, HEAD SETS, VARIABLE CONDENSERS, B BATTERIES, VARIOCOUPLERS, RHEOSTATS, VARIOMETERS, AERIAL EQUIPMENT, BATTERY CHARGERS, JACKS AND JACK SWITCHES, LIGHTNING ARRESTERS, PLUGS, POTENTIOMETERS, PANELS, SOCKETS, SETS, TRANSFORMERS, DIALS, CRYSTALS, AND MOUNTING BOARDS. SERVICE RADIO CORPORATION, New York, N. Y.
Filed March 6, 1924. Serial No. 193,360. PUBLISHED APRIL 29, 1924.

188,247. RADIO OUTFITS, DEVICES, AND ACCESSORIES. SERVICE RADIO CORPORATION, New York, N. Y.
Filed March 6, 1924. Serial No. 193,361. PUBLISHED APRIL 29, 1924.

188,248. RADIO OUTFITS, DEVICES, AND ACCESSORIES. SERVICE RADIO CORPORATION, New York, N. Y.
Filed March 6, 1924. Serial No. 193,362. PUBLISHED APRIL 29, 1924.

188,249. RADIO OUTFITS, DEVICES, AND ACCESSORIES. SERVICE RADIO CORPORATION, New York, N. Y.
Filed March 6, 1924. Serial No. 193,363. PUBLISHED APRIL 29, 1924.

188,250. RECORDING DEVICES FOR TAXIMETERS. THE AMERICAN TAXIMETER COMPANY, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York.
Filed March 7, 1924. Serial No. 193,376. PUBLISHED APRIL 22, 1924.

188,251. WHEAT FLOUR. IRWIN-HARRISONS & CROSFIELD, INC., San Francisco, Calif.
Filed March 7, 1924. Serial No. 193,400. PUBLISHED MAY 27, 1924.

188,252. CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, WHEAT FLOUR, ROLLED OATS, PEANUT BUTTER, AND TOMATO CATCHUP. NEW CASTLE GROCERY CO., New Castle, Pa.
Filed March 7, 1924. Serial No. 193,415. PUBLISHED JUNE 10, 1924.

188,253. BOXED FRESH APPLES AND BOXED FRESH PEARS. PINNACLE PACKING COMPANY, Medford, Oreg.
Filed March 7, 1924. Serial No. 193,419. PUBLISHED JUNE 10, 1924.

188,254. CERTAIN TOOLS. THE STANLEY WORKS, New Britain, Conn.
Filed March 7, 1924. Serial No. 193,427. PUBLISHED JUNE 10, 1924.

188,255. ONE AND TWO PIECE GARMENTS FOR CHILDREN IN THE NATURE OF A COMBINED CREEPER AND ROMPER. L. WOHL & CO., New York, N. Y.
Filed March 7, 1924. Serial No. 193,436. PUBLISHED JUNE 3, 1924.

188,256. WOMEN'S OUTER GARMENTS—VIZ, DRESSES, CLOAKS, WAISTS, AND BLOUSES. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed March 8, 1924. Serial No. 193,439. PUBLISHED JUNE 3, 1924.

188,257. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed March 8, 1924. Serial No. 193,446. PUBLISHED JUNE 10, 1924.

188,258. POWER LAWN MOWERS. IDEAL POWER LAWN MOWER COMPANY, Lansing, Mich.
Filed March 10, 1924. Serial No. 193,522. PUBLISHED JUNE 10, 1924.

188,259. BARLEY MALT SIRUP FOR FOOD PURPOSES. NATOMAH SALES CORPORATION, Chicago, Ill.
Filed March 11, 1924. Serial No. 193,612. PUBLISHED JUNE 3, 1924.

188,260. CANNED VEGETABLES, TOMATO CATCHUP, AND CHILI SAUCE. THE SEARS AND NICHOLS CANNING CO., Chillicothe, Ohio.
Filed March 11, 1924. Serial No. 193,630. PUBLISHED JUNE 3, 1924.

188,261. CERTAIN NAMED CLOTHING. MAISON JENNY SOCIÉTÉ ANONYME, Paris, France.
Filed March 12, 1924. Serial No. 193,669. PUBLISHED JUNE 3, 1924.

188,262. MEN'S AND BOYS' NECKTIES. WEISS & ZAHLER, New York, N. Y.
Filed March 12, 1924. Serial No. 193,690. PUBLISHED JUNE 3, 1924.

188,263. DRY POWDER PREPARATION USED IN MAKING PIES, ABSORBING AND HOLDING THE FRUIT JUICES AND FLAVOR THEREOF, AND PRODUCING SMOOTHNESS OF BODY IN SAID PIES. B. HELLER & COMPANY, Chicago, Ill.
Filed April 2, 1924. Serial No. 194,866. PUBLISHED JUNE 10, 1924.

188,264. TINSEL ORNAMENTS USED FOR CHRISTMAS-TREE DECORATIONS, ADVERTISING, THEATRICAL, AND COSTUME ORNAMENTATION. NATIONAL TINSEL MFG. CO., Manitowoc, Wis.
Filed April 3, 1924. Serial No. 194,937. PUBLISHED JUNE 10, 1924.

188,265. SALAD OIL. PASQUALE DE VIVO, New York, N. Y.
Filed April 5, 1924. Serial No. 195,056. PUBLISHED JUNE 3, 1924.

188,266. SOFT DRINKS. NATIONAL BOTTLING COMPANY, St. Louis, Mo.
Filed April 7, 1924. Serial No. 195,119. PUBLISHED JUNE 10, 1924.

188,267. PICKLES. A. F. WEINRICH, doing business as Weinrich Pickle Co., Los Angeles, Calif.
Filed April 12, 1924. Serial No. 195,471. PUBLISHED JUNE 3, 1924.

188,268. CANNED PEAS. KRIER PRESERVING COMPANY INC., Belgium, Wis.
Filed April 14, 1924. Serial No. 195,523. PUBLISHED JUNE 10, 1924.

188,269. CANDY. THE OHIO CONFECTION CO., Cleveland, Ohio.
Filed April 14, 1924. Serial No. 195,533. PUBLISHED JUNE 10, 1924.

188,270. CERTAIN CANNED GOODS. CHRISTOPHER MERCANTILE COMPANY, Kansas City, Mo.
Filed April 19, 1924. Serial No. 195,804. PUBLISHED JUNE 3, 1924.

188,271. EGGS. LEWIS MEARS COMPANY, Boston, Mass.
Filed April 19, 1924. Serial No. 195,824. PUBLISHED JUNE 3, 1924.

188,272. MIXTURE OF COFFEE AND CHICORY. G. E. BURSLEY & COMPANY, Fort Wayne, Ind.
Filed April 21, 1924. Serial No. 195,861. PUBLISHED JUNE 10, 1924.

188,273. EVAPORATED MILK. THE DEFIANCE DAIRY PRODUCTS COMPANY, Defiance, Ohio.
Filed April 21, 1924. Serial No. 195,874. PUBLISHED JUNE 3, 1924.

188,274. FRESH CITROUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES. WILLIAM G. ROE, Winter Haven, Fla.
Filed April 21, 1924. Serial No. 195,912. PUBLISHED JUNE 10, 1924.

188,275. CREAM MEAL. JOHN WADE & SONS INC., Memphis, Tenn.
Filed April 21, 1924. Serial No. 195,926. PUBLISHED JUNE 3, 1924.

188,276. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND DRIED FRUITS. FARM PRODUCTS SALES CO., Hayward, Calif.
Filed April 22, 1924. Serial No. 195,951. PUBLISHED JUNE 10, 1924.

188,277. MEASURING CONTAINERS AND MEASURERS FOR LIQUIDS. DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass.
Filed May 22, 1924. Serial No. 197,423.

188,278. EGG BEATERS, SCOOPS; CAKE, BISCUIT, AND DOUGHNUT CUTTERS; COAL SIEVES, SHOVELS, AND SPOONS. DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass.
Filed May 22, 1924. Serial No. 197,422.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

188,279. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FORREST LESLIE JAQUITH, Keene, N. H. Filed Apr. 20, 1923. Serial No. 179,410.

Jaquith's

Particular description of goods.—Polish for Automobiles, Pianos, Furniture, and All Varnished and Enameled Surfaces.
Claims use since Dec. 1, 1921.

188,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. WIGHT KITTS, doing business as Kitts Food Co., New Brunswick, N. J. Filed May 5, 1923. Serial No. 180,226.

ROUP CURES THE SAVERS

Particular description of goods.—Internal Preparation for Colds, Canker, Pneumonia, and Diphtheritic Roup in Poultry.
Claims use since Mar. 23, 1923.

188,281. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE DE VILBISS MANUFACTURING CO., Toledo, Ohio. Filed July 9, 1923. Serial No. 182,962.

BONNER

Particular description of goods.—Complexion, Hair, Nail, Cloth, Bath, and Tooth Brushes.
Claims use since Apr. 20, 1923.

188,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. GIBSON FORD, Baltimore, Md. Filed July 23, 1923. Serial No. 183,564.

EXCELLENCE

Particular description of goods.—Flavoring Extracts and Emulsions for Food Products.
Claims use since July 2, 1923.

188,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. T. REYNOLDS & CO. INC., Poughkeepsie, N. Y. Filed Aug. 27, 1923. Serial No. 185,042.

TASTES AS GOOD AS IT SMELLS

Particular description of goods.—Coffee.
Claims use since June 25, 1923.

188,284. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HONEY-MINT COMPANY, Barbourville, Ky. Filed Apr. 19, 1924. Serial No. 195,821.

HONEY---MINT

Particular description of goods.—Spirits of Camphor; a Preparation for Chapped Hands, Itching Piles, Fever Blisters, Burns, Scalds, and Insect Stings; Mineral Oil Used as a Laxative, Epsom Salts, and Cough and Cold Sirups.
Claims use since November, 1922.

188,285. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WESTERN RAWHIDE & BELTING CO., Milwaukee, Wis. Filed Apr. 21, 1924. Serial No. 195,932.

"THE QUALITY BELT"

SUPERIOR

SUPERIOR

SUPERIOR SURFACE TAN

SEWING MACHINE BELTING

Particular description of goods.—Round Leather Belting.
Claims use since Nov. 1, 1901.

188,286. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 23, 1924. Serial No. 196,019.

GOODWEAR

HEARN

Particular description of goods.—Druggists' Sundries—viz, Hot-Water Bottles and Syringes.
Claims use since Jan. 17, 1923.

188,287. [WITHDRAWN.]

188,288. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUM-ADE SYRUP COMPANY, INC., Providence, R. I. Filed May 13, 1924. Serial No. 196,990.

Orange-Cream

Particular description of goods.—An Orange Drink.
Claims use since July 2, 1923.

188,289. (CLASS 12. CONSTRUCTION MATERIALS.) UVALDE ROCK ASPHALT COMPANY, San Antonio, Tex. Filed May 21, 1924. Serial No. 197,401.

UVALDE ROCK ASPHALT

Particular description of goods.—Crushed Rock for Road Building.
Claims use since Apr. 17, 1922.

188,290. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,708.

HYDROSPAR

Particular description of goods.—Varnish.
Claims use since June, 1915.

188,291. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,711.

Whenever You Paint
Whatever You Paint
Paint DEVOE Paint

Particular description of goods.—Ready-Mixed Paints and Varnish.
Claims use since October, 1919.

188,292. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,715.

DEVOE
MARBLE FLOOR FINISH

Particular description of goods.—Varnish.
Claims use since January, 1904.

188,293. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,716.

AQUASPAR

Particular description of goods.—Varnish.
Claims use since March, 1915.

188,294. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,720.

DEVOE
LEAD AND ZINC

Particular description of goods.—Ready-Mixed Paint.
Claims use since June, 1885.

188,295. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,724.

DEVOE
ROMAN ENAMEL

Particular description of goods.—Paint Enamel.
Claims use since May, 1900.

188,296. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,725.

FLORENTINE

Particular description of goods.—Ready-Mixed Paints.
Claims use since September, 1901.

188,297. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) S. M. WATSON & CO., INC., Cordele, Ga. Filed June 3, 1924. Serial No. 198,040.

LACE LEATHER

WATSON'S
GOLDEN

Particular description of goods.—Leather Belt Lacings.
Claims use since May 1, 1922.

188,298. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) YONKERS FUR DRESSING COMPANY, INC., Yonkers, N. Y. Filed June 14, 1924. Serial No. 198,602.

BEST BY TEST

Particular description of goods.—Dressed Skins.
Claims use since May 15, 1918.

188,299. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH MARTINSON, New York, N. Y. Filed June 26, 1924. Serial No. 199,176.

MARTINSON'S

Particular description of goods.—Coffee.
Claims use since March, 1902.

188,300. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed June 13, 1924. Serial No. 198,527.

Jewett Packing

Particular description of goods.—Rod and Valve Stem Packing.
Claims use since Jan. 1, 1910.

188,301. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ELK RIVER COAL & LUMBER CO., Dundon, W. Va. Filed June 5, 1924. Serial No. 198,127.

DUNDON

Particular description of goods.—Coal.
Claims use since 1911.

188,302. (CLASS 17. TOBACCO PRODUCTS.) M. MARSH & SON, INC., Wheeling, W. Va. Filed June 4, 1924. Serial No. 198,079.

MARSH

Particular description of goods.—Stogies.
Claims use since about 1900.

188,303. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SEVILLE LABORATORIES, Chicago, Ill. Filed May 31, 1924. Serial No. 197,909.

SEVILLE

Particular description of goods.—Soaps: Shampoo, Vegetable Oil, and Liquid.
Claims use since Dec. 15, 1921.

188,304. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BACCELLIERI BROS. & Co., Philadelphia, Pa. Filed May 26, 1924. Serial No. 197,580.



Particular description of goods.—Fruit Presses and Fruit Crushers.
Claims use since Apr. 1, 1917.

188,305. (CLASS 39. CLOTHING.) GOODMAN & SUSS, INC., Rochester, N. Y. Filed May 8, 1924. Serial No. 196,739.

"23 Point Hand-Tailored"

Particular description of goods.—Suits and Overcoats for Men and Boys.
Claims use since Dec. 4, 1922.

188,306. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD J. GREENE, Toledo, Ohio. Filed May 5, 1924. Serial No. 196,590.

STEP-IN-AND-SHOP

Particular description of goods.—Motor Stores.
Claims use since January, 1920.

188,307. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924. Serial No. 195,290.

SERVICE HEARN DAMASK

Particular description of goods.—Linen and Cotton Tablecloths, Towels, and Napkins.
Claims use since May, 1923.

188,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TAYLOR CORPORATION, Los Angeles, Calif. Filed Feb. 6, 1924. Serial No. 191,921.

TAYLOR'S

Particular description of goods.—Canned Enchiladas, Canned Spaghetti, Chili Sauce, Canned Pork and Beans, Canned Chile Con Carne, Chili Powder, and Canned Date Pudding.
Claims use since Jan. 1, 1916.

188,309. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MARIUS GREENSPAN, doing business as Union Special Rubber Company, Chicago, Ill. Filed Dec. 18, 1923. Serial No. 189,850.



Particular description of goods.—Automobile, Truck, and Motor-Cycle Rubber Tires.
Claims use since Oct. 1, 1922.

188,310. (CLASS 39. CLOTHING.) LINDFELT MANUFACTURING COMPANY, Des Moines, Iowa. Filed Dec. 10, 1923. Serial No. 189,464.

Sterling

Particular description of goods.—Gloves and Mittens Made of Either Cloth, Leather, or Fabricated Material.
Claims use since Oct. 1, 1921.

188,311. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Apr. 2, 1923. Serial No. 178,442.

Betty Vernon

Particular description of goods.—Women's and Girls' Leather and Fabric Shoes.
Claims use since Nov. 1, 1922.

188,312. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WILLIAM J. FUNKHOUSER, doing business as Funkhouser Rubber Co., Fort Worth, Tex. Filed Mar. 15, 1923. Serial No. 177,481.

TIRES AT COST PLUS $1.00

Particular description of goods.—Pneumatic Rubber and Rubber and Fabric Tires.
Claims use since Nov. 12, 1922.

188,313. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. T. MULLIKIN CO., INC., Philadelphia, Pa. Filed Feb. 24, 1923. Serial No. 176,566.

PURITY

Particular description of goods.—Salted Peanuts, Peanut Butter, a Pop-Corn Confection, and Dates.
Claims use since 1905.

188,314. (CLASS 32. FURNITURE AND UPHOLSTERY.) PEORIA CASKET CO., Peoria, Ill. Filed June 9, 1922. Serial No. 165,242.

The Devotional

Particular description of goods.—Prie-Dieus.
Claims use since Oct. 1, 1921.

188,315. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ELYRIA ENAMELED PRODUCTS COMPANY, Elyria, Ohio, assignor to The Pfaudler Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 29, 1921. Serial No. 152,320.

ELYRIA
GLASS ENAMELED
EQUIPMENT

Particular description of goods.—Enameled Metal Products, Comprising Stills, Liquid-Agitating Tanks and Vats, Enamel-Lined Conduits for Such Apparatus, and Vacuum Pans.
Claims use since Jan. 1, 1917.

188,316. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROME METALLIC BEDSTEAD CO., Rome, N. Y. Filed May 1, 1922. Serial No. 163,182.

ROME QUALITY

Particular description of goods.—Merchandise, Comprising Specifically Brass and Steel Bedsteads, Steel Cribs, Bedsprings, Couch Hammocks, Couch Beds, Steel Cots, Portable Steel Bunks, Portable Ship Berths, Steel Davenports, Couch-Hammock Stands, Mattresses, Pillows, Steel Chairs, Day Beds.
Claims use since Jan. 30, 1919.

TRADE-MARK REGISTRATIONS RENEWED

24,962. PERFUMERY, SACHET POWDERS, AND SOAP. Registered July 3, 1894. THE FIRM OF SOLON PALMER. Renewed July 3, 1924, to Solon Palmer, New York, N. Y., a Corporation of New York, assignee.

24,983. INCUBATORS AND BROODERS. Registered July 3, 1894. RELIABLE INCUBATOR AND BROODER COMPANY, Quincy, Ill. Renewed July 3, 1924.

25,285. CHEESE. Registered October 2, 1894. LA SOCIÉTÉ DES CAVES ET DES PRODUCTEURS RÉUNIS, Roquefort, France, a Corporation under the laws of France. Renewed October 2, 1924.

25,594. TEA. Registered December 4, 1894. JAMES BUTLER. Renewed December 4, 1924, to James Butler Grocery Company, New York, N. Y., assignee.

25,704. COTTON PIECE GOODS. Registered December 25, 1894. THE PELZER MANUFACTURING CO., Pelzer, S. C. Renewed December 25, 1924, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

25,795. DISINFECTING FLUID. Registered January 1, 1895. ROBERT S. WEST, Cleveland, Ohio. Renewed January 1, 1925, to West Disinfecting Company, New York, N. Y., a Corporation of New York, assignee.

LABELS

REGISTERED AUGUST 19, 1924.

27,725.—*Title:* ANTI LANCE. For a Preparation or Remedy for Boils, Abscesses, and Carbuncles. ALCO REMEDIES COMPANY, Jacksonville, Fla. Published July 17, 1924.

27,726.—*Title:* ARMSTRONG'S CORKS. For Bags Containing Corks. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Published June 1, 1924.

27,727.—*Title:* FIBRE-RITE. For a Chemical Compound Used for the Protection of Animal Fibers Against the Injurious Action of Alkalies. VICTOR BUSHMAN & Co., Boston, Mass. Published June 2, 1924.

27,728.—*Title:* CARBO-SEPTIC. For a Gargle for Sore Throat. CARBO-SEPTIC CORPORATION, Rahway, N. J. Published December 14, 1923.

27,729.—*Title:* TOOTH PICK PLUG TOBACCO. For Tobacco. CHRISTIAN PEPER TOBACCO CO., St. Louis, Mo. Published July 19, 1924.

27,730.—*Title:* YOUNG AMERICA. For Oranges. DUARTE ORCHARDS COMPANY, Duarte, Calif. Published December 1, 1923.

27,731.—*Title:* ANIMALS. For Animal Cookies. THE FRANKLIN COMPANY, Chicago, Ill. Published May 31, 1924.

27,732.—*Title:* FREIHOFER'S RAISIN BREAD. For Bread. FREIHOFER BAKING COMPANY, Philadelphia, Pa. Published June 21, 1924.

27,733.—*Title:* FRISCH WRAPPER. For Bread. EMILE FRISCH, Chicago, Ill. Published June 15, 1924.

27,734.—*Title:* BLACK SQUIRREL BRAND. For Nut Packages. GOLDEN STATE NUT COMPANY, Los Angeles, Calif. Published July 15, 1924.

27,735.—*Title:* TRADE AT HOME MAGAZINE. For Cover for Magazines. B. L. GROTH, Chicago, Ill. Published May 28, 1924.

27,736.—*Title:* CITY CREAM CRUST BAKERY. For Baker's Bread. JOE F. HAUFT, Harlingen, Tex. Published March 1, 1924.

27,737.—*Title:* POLISHALL. For a Cleaning and Polishing Preparation. HENRY J. HOEY, Minneapolis, Minn. Published June 1, 1924.

27,738.—*Title:* ALOFA BREAD. For Baked Bread. HERMAN A. KNUTH, Bingham, Utah. Published July 2, 1924.

27,739.—*Title:* SEAL. For Canned Tomatoes. SIMON LEVI COMPANY, Los Angeles, Calif. Published January 15, 1924.

27,740.—*Title:* LIFE SAVER ORANGE FRUIT DROPS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published July 1, 1924.

27,741.—*Title:* LIFE SAVER LIME FRUIT DROPS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published July 1, 1924.

27,742.—*Title:* LIFE SAVER LEMON FRUIT DROPS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published July 1, 1924.

27,743.—*Title:* FLOWER BEAUTY NO. 2. For Candies. LOFT INCORPORATED, New York, N. Y. Published July 11, 1924.

27,744.—*Title:* FLOWER BEAUTY NO. 1. For Candies. LOFT INCORPORATED, New York, N. Y. Published July 11, 1924.

27,745.—*Title:* REVERY. For Candies. LOFT INCORPORATED, New York, N. Y. Published July 11, 1924.

27,746.—*Title:* BIG CHIEF BREAD. For Bread. MID-WEST PAPER MILLS, Fort Madison, Iowa. Published June 20, 1924.

27,747.—*Title:* PEGGY DAVIS CANDIES. For Boxes Containing Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published July 1, 1924.

27,748.—*Title:* ROBBINS E-Z CLEANER. For Paste Form of a Cleaning Compound. L. G. ROBBINS, Salt Lake City, Utah. Published March 25, 1924.

27,749.—*Title:* SILOX. COMPLIMENTARY SAMPLE. For a Prophylactic Antiseptic Dusting Powder. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md. Published June 20, 1924.

27,750.—*Title:* BUTTER-TOP. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.

27,751.—*Title:* WHOLE WHEAT. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.

27,752.—*Title:* WHOLE WHEAT. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.

27,753.—*Title:* WHEELER. For Fresh Grapes. REUBEN ALFRED WHEELER, San Francisco and Stockton, Calif. Published July 10, 1924.

PRINTS

REGISTERED AUGUST 19, 1924.

7,558.—*Title:* A TREAT TO EAT. For Chili Sauce and Tomato Catsup. THE WM. EDWARDS CO., Cleveland, Ohio. Published March 31, 1924.

7,559.—*Title:* FASHION FROCKS. For Dresses and Frocks. FASHION APPAREL, INC., doing business as Fashion Frockmakers, Inc., New York, N. Y. Published July 25, 1923.

7,560.—*Title:* ICEBERG HEARTS. For Ice Cream. ICEBERG HEARTS CO., Minneapolis, Minn. Published June 25, 1924.

7,561.—*Title:* THE SCALE TELLS THE TALE. For a Food Product Consisting of Chocolate, Malt, and Milk. MARSHAK-MALTMOLAK CO. INC., Brooklyn, N. Y. Published June 14, 1924.

7,562.—*Title:* THE SIGN OF THE PURPLE ELEPHANT. For Gasoline and Other Oils. LESTER PARKER, Fort Worth, Tex. Published June 15, 1924.

7,563.—*Title:* FIT-RITE MILLWORK. For General Millwork. WILLIAM HARVEY REINHARDT, doing business as John W. Reinhardt Stair Co., St. Louis, Mo. Published July 10, 1924.

7,564.—*Title:* REMINGTON HI-SPEED CARTRIDGES. For Ammunition. REMINGTON ARMS COMPANY, INC., New York, N. Y. Published July 1, 1924.

7,565.—*Title:* SHOOT REMINGTON GAME LOADS. For Ammunition. REMINGTON ARMS COMPANY, INC., New York, N. Y. Published July 1, 1924.

7,566.—*Title:* PICARDY CORN COBS. For Candy. WALTER L. SALMON, St. Paul, Minn., and Winnipeg, Canada. Published June 5, 1924.

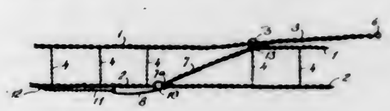
7,567.—*Title:* ZYP. THE FINISHING TOUCH. For a Liquid Preparation Capable of Being Used in Conjunction with Soap or Other Substances in the Washtub. THE SANDOZ CHEMICAL COMPANY LIMITED, Bradford, England. Published May 15, 1924.

7,568.—*Title:* ELASTICA THE WATERPROOFED STUCCO. For an Exterior Wall Plaster or Stucco. U. S. MATERIALS CO., Chicago, Ill. Published July 8, 1924.

REISSUES

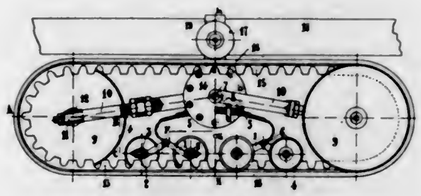
AUGUST 19, 1924.

15,893. TIRE CHAIN. FREDERICK TAYLOR GAUSE, Wilmington, Del. Filed Apr. 24, 1924. Serial No. 708,831. Original No. 1,434,111, dated Oct. 31, 1922, Serial No. 517,515, filed Nov. 25, 1921. 6 Claims. (Cl. 152—14.)



1. A tire chain comprising two side chains, a plurality of cross chains, a chain substantially longer than said cross chains extending diagonally from one side chain to the other and permanently associated therewith, said side chains being broken at substantially their points of intersection with the diagonal chain, and means for creating a tension between the free ends of the tire chain and locking said chain in operative position.

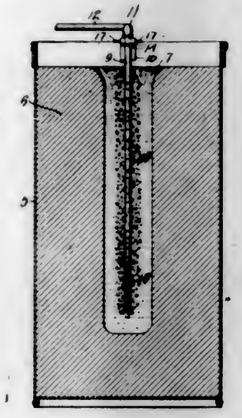
15,894. SUPPORTING AND DRIVING BAND FOR MOTOR CARS. ADOLPHE KÉGRESSE, Paris, France. Filed May 26, 1924. Serial No. 716,069. Original No. 1,480,078, dated Jan. 8, 1924, Serial No. 457,109, filed Mar. 30, 1921. 16 Claims. (Cl. 180—9.1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an automobile, an endless, flexible supporting and driving band; supporting wheels around which the band passes; and a system of rollers supporting the weight of the axle and bearing upon the band; said supporting wheels being devoid of rigid connection with the roller system and being adapted to rest freely upon the band and to rock vertically about an axis without acting on the chassis or on said roller system.

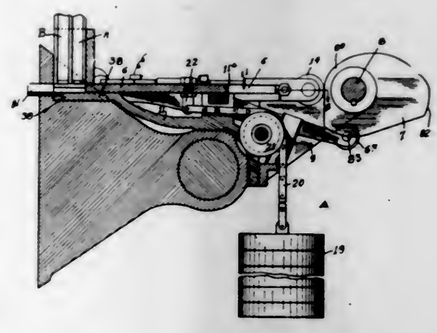
15,895. AIR-AGITATING TUBE FOR REFRIGERATING SYSTEMS. ROBERT F. LINDSAY and ROBERT H. HEMPHILL, Charleston, S. C.; said Lindsay assignor of his entire right to Thomas W. Carroll, Charleston, S. C. Filed Apr. 24, 1924. Serial No. 708,830. Original No. 1,442,410, dated Jan. 16, 1923, Serial No. 538,949, filed Feb. 24, 1922. 19 Claims. (Cl. 62—159.)

1. A supporting device for agitator tubes for ice cans, having means at one end for detachable engagement with the ice can, and having means at the other



end for pivotally connecting the upper end of the tube thereto.

15,896. TYPE-FEEDING DEVICE. CARL F. NAYER, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-half to William E. Kier, Chicago, Ill., and one-half to Albert I. Appleton, Evanston, Ill. Filed Apr. 21, 1924. Serial No. 708,079. Original No. 1,414,148, dated Apr. 25, 1922, Serial No. 420,866, filed Nov. 1, 1920. 32 Claims. (Cl. 101—57.)



1. In a printing device having mechanism for printing form letters, the combination with the driving means thereof, of a device driven thereby, an element operatively controlled by said device and having dwells at predetermined points in its operative course for receiving and discharging type.

15,897. BIFOCAL-LENS BLANK. GEORGE A. CLEMENT, Mount Vernon, N. Y., assignor to General Optical Company, a Corporation of New York. Filed June 27, 1924. Serial No. 722,876. Original No. 1,494,889, dated May 20, 1924, Serial No. 630,880, filed Apr. 9, 1923. 3 Claims. (Cl. 88—54.)

1. A product of manufacture comprising a set of bifocal lens blanks formed by fusing a small piece of glass having a relatively high index of refraction to a major piece of glass of lower index of refraction, the set being made up of a plurality of series according to base curve and each series being made up of a plurality of units according to the index of refraction of the small piece of glass, the index of the small piece of glass being

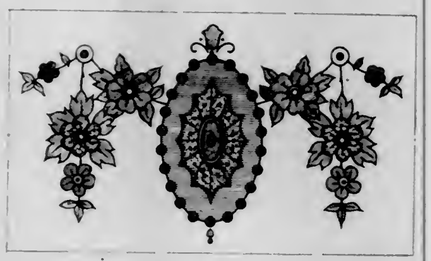


different for each unit of a series but being the same for the corresponding units of the several series and the base curve being different for the several series but being the same for the units of each series.

DESIGNS

AUGUST 19, 1924.

65,428. DECALCOMANIA SHEET. ASHTON O. C. AHRENDTS, Niles, Ohio, assignor to The Atlas China Company, Niles, Ohio, a Corporation of Ohio. Filed June 24, 1924. Serial No. 9,954. Term of patent 3½ years.



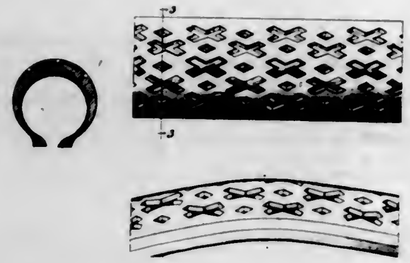
The ornamental design for decalcomania sheet as shown.

65,429. GREASING IMPLEMENT. JOSEPH BREN, Ogema, Minn. Filed Feb. 28, 1924. Serial No. 8,776. Term of patent 7 years.



The ornamental design for a greasing implement, as shown.

65,430. TIRE. ULICK MATHUEW BURKE, Portland, Oreg. Filed Sept. 7, 1923. Serial No. 7,158. Term of patent 14 years.



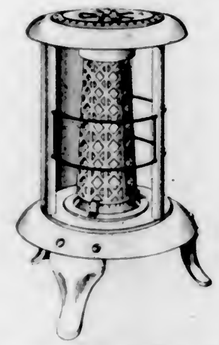
The ornamental design for a tire as shown.

65,431. PORTABLE LAMP. FRANK H. BUSSMANN, St. Louis, Mo., assignor to Bussmann Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 26, 1922. Serial No. 4,098. Term of patent 14 years.



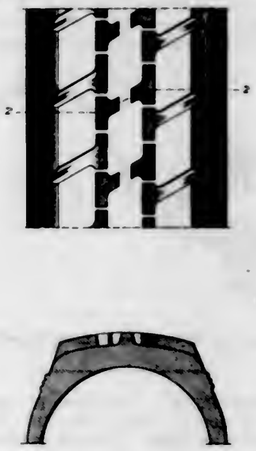
The ornamental design for a portable lamp, as shown.

65,432. HEATER. JAMES P. CONROY, New York, N. Y., and ARTHUR L. ZWISLER, Kalamazoo, Mich. Filed June 12, 1924. Serial No. 9,860. Term of patent 14 years.



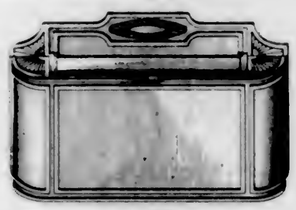
The ornamental design for a heater, as shown.

65,433. TIRE TREAD. WILLIAM L. COPLEY, Newcastle, Ind. Filed Aug. 21, 1922. Serial No. 3,480. Term of patent 3½ years.



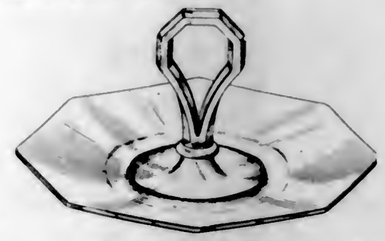
The ornamental design for a tire tread, as shown.

65,434. WALL RECEPTACLE OR SIMILAR ARTICLE. FRED H. DOERR, Grand Rapids, Mich., assignor to Doerr Manufacturing Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Apr. 19, 1924. Serial No. 9,324. Term of patent 7 years.



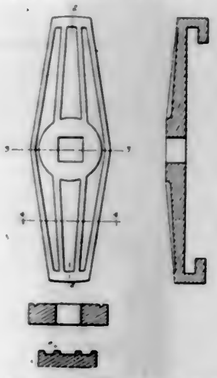
The ornamental design for a wall receptacle or similar article, as shown.

65,435. HANDLED SANDWICH PLATE. HARRY B. DUNCAN, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1923. Serial No. 7,885. Term of patent 3½ years.



The ornamental design for a handled sandwich plate, substantially as shown.

65,436. CLAMP FOR VEHICLE BUMPERS. ARTHUR M. GODWIN, Grand Rapids, Mich., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich., a Corporation of Michigan. Filed June 19, 1924. Serial No. 9,902. Term of patent 3½ years.



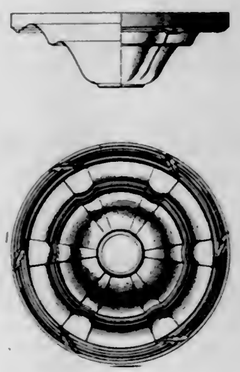
The ornamental design for a clamp for vehicle bumpers, substantially as shown.

65,437. LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 12, 1924. Serial No. 9,864. Term of patent 14 years.



The ornamental design for a lighting fixture as shown.

65,438. BOBESCHE. HAMILTON T. HOWELL, New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 30, 1921. Serial No. 457,069. Term of patent 14 years.



The ornamental design for a bobesche, as shown.

65,439. WRAPPER FOR CHEWING GUM, CANDY, AND CONFECTIONS. LOUIS HURWITZ, Philadelphia, Pa. Filed June 11, 1924. Serial No. 9,856. Term of patent 3½ years.



The ornamental design for a wrapper for chewing gum, candy and confections as shown.

65,440. BARBER'S SIGN. WALTER F. KOKEN, Webster Groves, Mo. Filed May 29, 1924. Serial No. 9,741. Term of patent 14 years.



The ornamental design for a barber's sign, as shown.

65,441. BARBER'S SIGN. WALTER F. KOKEN, Webster Groves, Mo. Filed May 29, 1924. Serial No. 9,742. Term of patent 14 years.



The ornamental design for a barber's sign, as shown.

65,442. LAMP BRACKET. NATHAN A. LEVITAN and JACK J. BRAZ, Brooklyn, N. Y. Filed Apr. 19, 1924. Serial No. 9,319. Term of patent 3½ years.



The ornamental design for a lamp bracket, as shown.

65,443. STATUETTE. BENJAMIN H. LOUTHAIN and STEWART G. HONECK, Milwaukee, Wis. Filed Apr. 25, 1923. Serial No. 5,938. Term of patent 3½ years.



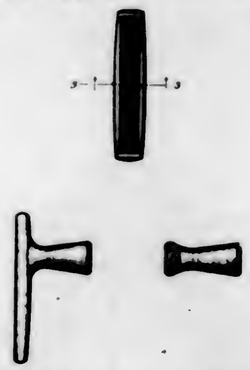
The ornamental design for a statuette, as shown.

65,444. BOOKSTACK. ANGUS S. MACDONALD, Great Neck, N. Y., assignor to Snead & Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 21, 1922. Serial No. 4,360. Term of patent 14 years.



The ornamental design for a bookstack as shown.

65,445. HANDLE FOR AUTOMOBILE DOORS. ROLLO MARPLE, Charlotte, Mich., assignor to Hancock Manufacturing Company, Charlotte, Mich., a Corporation of Michigan. Filed Mar. 3, 1924. Serial No. 8,803. Term of patent 3½ years.



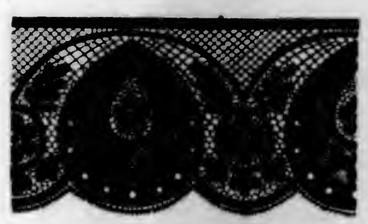
The ornamental design for a handle for automobile doors, substantially as shown and described.

65,446. CANDLESTICK. HARRY A. MCGILL, Youngstown, Ohio. Filed June 2, 1924. Serial No. 9,769. Term of patent 3½ years.



The ornamental design for a candlestick, as shown.

65,447. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 7, 1924. Serial No. 9,817. Term of patent 14 years.



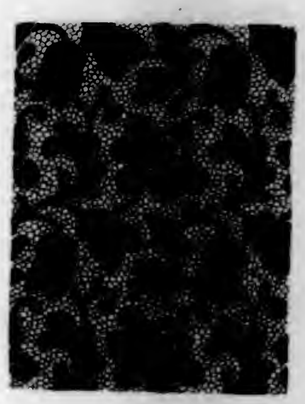
The ornamental design for lace substantially as shown.

65,448. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 20, 1924. Serial No. 9,924. Term of patent 14 years.



The ornamental design for lace substantially as shown.

65,449. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 20, 1924. Serial No. 9,925. Term of patent 14 years.



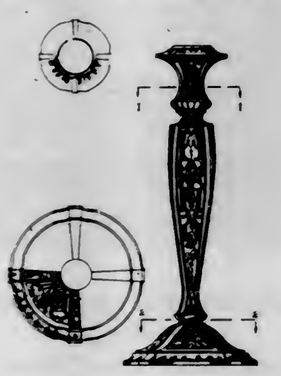
The ornamental design for lace substantially as shown.

65,450. PNEUMATIC TIRE TREAD. CHARLES ALTON PFAHL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 25, 1923. Serial No. 4,991. Term of patent 14 years.



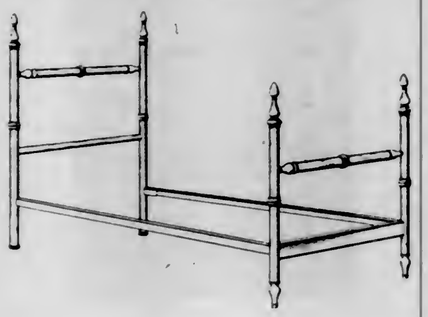
The ornamental design for a pneumatic tire tread as shown.

65,451. CANDLESTICK. FREDERICK ROETTGES, Stamford, Conn., assignor to William R. Noe & Sons, a Copartnership of New York City. Filed May 11, 1923. Serial No. 6,137. Term of patent 7 years.



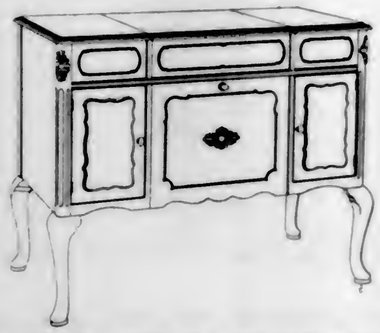
The ornamental design for a candlestick, as shown.

65,452. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 3,549, Term of patent 14 years.



The ornamental design for a bedstead frame as shown.

65,453. PHONOGRAPH CABINET. CHARLES E. SWANSON and FRANK C. BURTON, Chicago, Ill., assignors to Cheney Talking Machine Co., Chicago, Ill., a Corporation of Illinois. Filed June 8, 1922. Serial No. 2,573. Term of patent 3½ years.



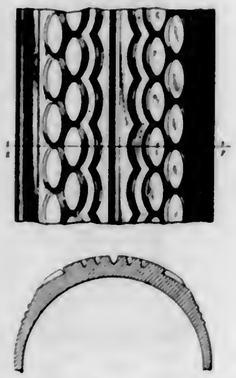
The ornamental design for a phonograph cabinet as shown.

65,454. HEATING STOVE. JONES T. TEMPLETON, St. Louis, Mo., assignor to The Buck's Stove & Range Company, St. Louis, Mo., a Corporation of Missouri. Filed May 24, 1924. Serial No. 9,701. Term of patent 14 years.



The ornamental design for a heating stove, as shown.

65,455. PNEUMATIC TIRE. JOHN C. TUTTLE and EDWARD M. SEARS, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 9,839. Term of patent 14 years.



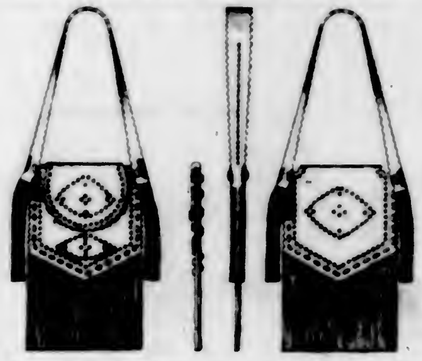
The ornamental design for a pneumatic tire as shown.

65,456. CANDLESTICK. GUSTAVE E. VILLABET, New York, N. Y., assignor to William R. Noe & Sons, a Copartnership, New York, N. Y. Filed May 11, 1923. Serial No. 6,135. Term of patent 7 years.



The ornamental design for a candlestick, as shown.

65,457. HAND BAG OR SIMILAR ARTICLE. NANNABELL WHORREY, Akron, Ohio, assignor of one-half to William W. Glasgow, Akron, Ohio. Filed Feb. 21, 1924. Serial No. 8,692. Term of patent 3½ years.



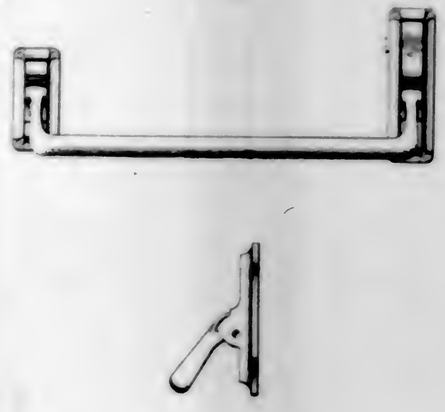
The ornamental design for a hand bag or similar article, as shown.

65,458. FINGER RING. FRANCIS H. WITTSTEIN, Newark, N. J. Filed Dec. 11, 1923. Serial No. 7,995. Term of patent 3½ years.



The ornamental design for a finger ring, as shown and described.

65,459. PANIC BOLT. HENRY F. VOE, Detroit, Mich. Filed Jan. 5, 1924. Serial No. 8,251. Term of patent 7 years.

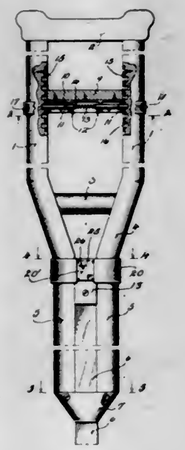


The ornamental design for a panic bolt, as shown.

PATENTS

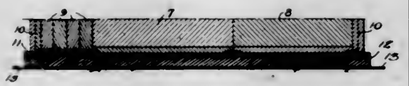
GRANTED AUGUST 19, 1924.

1,505,081. CRUTCH. OTTO H. ARNDT, Clintonville, Wis. Filed Jan. 16, 1923. Serial No. 612,973. 1 Claim. (Cl. 135—50.)



An adjustable crutch comprising a frame adapted to fit beneath the user's arm and having a pair of spaced parallel members provided with a plurality of notches upon their opposed faces, a leg adjustably guided between said members, a pair of plungers carried by said leg and adapted to enter any of said notches, and means for operating said plungers and for locking them in their notch engaging positions.

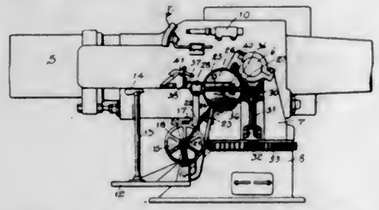
1,505,082. PROCESS AND BACKING FOR USE IN LEAD MOLDING FOR ELECTROTYPES. HARRY M. BLAETZ, Philadelphia, Pa. Filed July 24, 1920. Serial No. 398,760. 12 Claims. (Cl. 41—25.)



1. The process of lead molding which consists in simultaneously pressing the entire surface of a lead sheet placed between the original and a plastic backing, thereby distributing the backing locally as the pressure is applied and equalizing the reactive pressure of the backing over all parts of the lead.

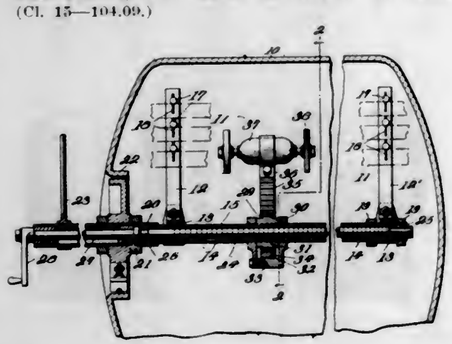
1,505,083. GUN-SIGHTING MECHANISM. ROBERT S. BLAIR, South Orange, N. J. Filed July 2, 1918. Serial No. 243,007. 7 Claims. (Cl. 89—41.)

7. In combination with a gun, a mount therefor, means for pointing ordnance comprising a pedal shaft and pedals associated therewith, a saddle upon which the pointer is adapted to be seated while operating the pedals, a pair of stationary hand grips in front of the operator, firing mechanism associated with one of said grips, means associated with the other adapted to control the rate of movement of the gun irrespective of the rate



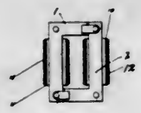
of movement of the pedals, and a clutch member interposed between the pedal shaft and gun adapted to be actuated by said last mentioned means.

1,505,084. APPARATUS FOR REMOVING SCALE FROM BOILERS. DALE L. BREED, Ticonderoga, N. Y. Filed Feb. 24, 1922. Serial No. 538,970. 15 Claims. (Cl. 15—104.09.)



1. A boiler cleaning apparatus comprising a rotatable shaft, supporting means therefor, a reciprocable carrier actuated by said shaft, an abrading member supported by said carrier and operable independently of the shaft and the carrier, means for rotating said shaft, and means for adjusting said carrier longitudinally of the shaft.

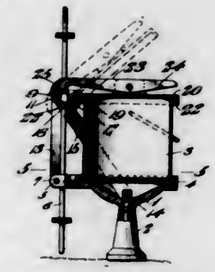
1,505,085. RADIO RECEIVING APPARATUS. CECIL E. BRIGHAM, Washington, D. C., assignor, by mesne assignments, to Dubilier Condenser & Radio Corporation, New York, N. Y., a Corporation of Delaware. Filed July 15, 1922. Serial No. 575,140. 6 Claims. (Cl. 175—356.)



1. A radio frequency transformer comprising in combination a substantially closed magnetic core, a primary winding, and a secondary winding on said core in coupled

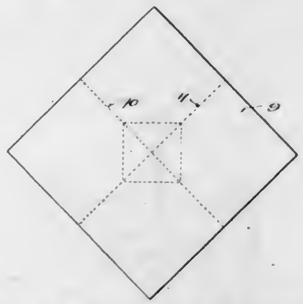
relation, said windings having extremely small distributed capacity at the frequencies for which they are designed to operate, the core having a magnetic leakage gap therein of a size designed for introducing losses to a degree necessary to enable said transformer to operate effectively over a broad band of frequencies.

1,505,086. STAND AND COVER FOR GARBAGE RECEPTACLES. WILLIAM H. BUCKLEY, Philadelphia, Pa. Filed Sept. 22, 1922. Serial No. 589,768. 9 Claims. (Cl. 220—1.)



1. A stand for a garbage receptacle adapted to be supported on the ground and attachable to a fence, consisting of a tray, a fixed upper bolt, a pedestal for said tray, means for connecting said tray to a fence, a receptacle removably supported upon said tray, a hinged cover for holding said receptacle in place upon said tray, and means carried by said hinged cover to cooperatively engage with said upper bolt to maintain the cover in elevated position for removal of said receptacle.

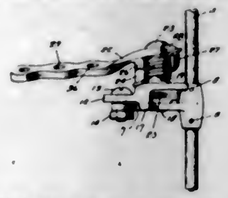
1,505,087. PAPER PACKAGE. PETER J. CHRISTMAN, Jr., Green Bay, Wis. Filed July 18, 1923. Serial No. 652,242. 1 Claim. (Cl. 206—57.)



A package of paper composed of a plurality of rectangularly shaped units, each comprising a sheet folded in two directions to form a book of four leaves, said units having corresponding corners folded in the same directions on a diagonal line intermediate said corners and the center of said units.

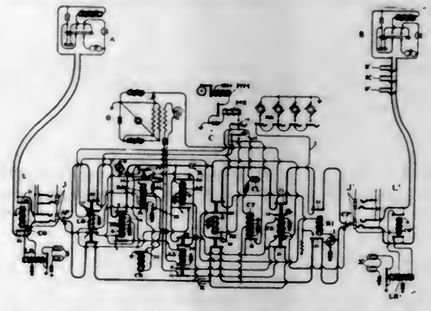
1,505,088. FOOT-CONTROLLED ACCELERATOR. JOHN C. CREAGMILE and CHARLES W. HARTMANN, Oakland, Calif. Filed July 2, 1923. Serial No. 648,929. 5 Claims. (Cl. 74—39.)

1. A foot pressure operated accelerator for Ford engines comprising a member secured to the pull rod arm of the throtle rod of said engine, a pivot on said member in oblique relation to the plane of rotation of said arm, a lever mounted on said pivot, stops adapted to limit the movement of said lever relative to said member, a pull rod connecting said lever with the throttle lever of the carbureter of said engine, yieldable means



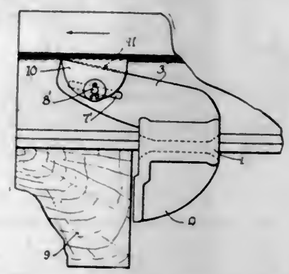
normally urging said lever to throttle closing position, and means responsive to foot pressre for actuating said lever.

1,505,089. TELEPHONE SYSTEM. HIRAM D. CURRIER, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 20, 1915, Serial No. 15,835. Renewed Mar. 10, 1920, Serial No. 364,872. Patent No. 1,439,071, dated Dec. 19, 1922. Divided and this application filed Sept. 27, 1922. Serial No. 590,760. 10 Claims. (Cl. 179—10.)



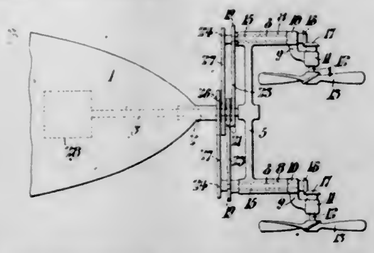
1. A telephone system, including a plurality of telephone lines, link circuits for interconnecting said lines as calling and called lines, automatic ringing means and a connection register for said link circuits, operator-controlled means for actuating said ringing means to apply ringing current to the called line and for actuating said connection register when one of said link circuits is connected to an idle called line, and means to prevent the actuation of said ringing means and connection register by the operation of said key when connection is made with a busy called line.

1,505,090. RAIL ANCHOR. JOHN A. DIENNER, Chicago, and ALEXANDER C. MABEE, Villa Park, Ill. Filed Feb. 5, 1923. Serial No. 616,917. 23 Claims. (Cl. 238—315.)



22. In a rail anchor having a frictional rail engaging surface, the combination of movable means actuated by slippage of the rail with respect to said surface for increasing the pressure upon said surface.

1,505,091. FLYING MACHINE. EDMUND WATERMAN DWIGHT, Philadelphia, Pa. Refiled for abandoned application Serial No. 40,164, filed July 16, 1915. This application filed May 28, 1923. Serial No. 642,039½. 10 Claims. (Cl. 244—23.)



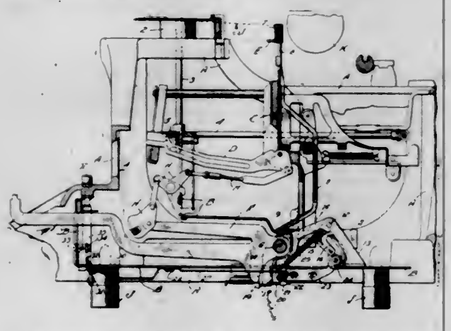
9. The combination with a plurality of propeller shafts each carrying a propeller wheel; of a single rotary carrier having bearings for the respective shafts with axes extending transversely to the axis of said carrier; and connecting means, whereby said carrier may be rotated while said propeller shafts are rotated and without changing the direction of the axes of said propeller shafts.

1,505,092. CANDLE MAKING. HENRY J. GRUPE, Mount Vernon, N. Y. Filed Oct. 6, 1921. Serial No. 505,757. 5 Claims. (Cl. 87—21.)



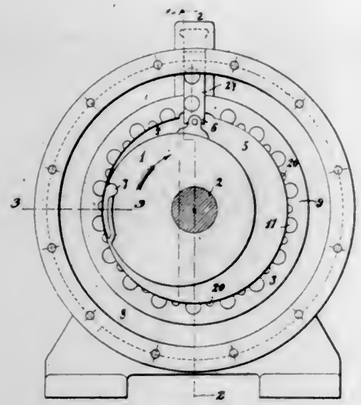
1. In combination with one end of a candle wick, a resilient retaining member through which said wick projects.

1,505,093. RIBBON MECHANISM FOR TYPEWRITERS. DE WITT C. HARRIS, Pineland, Fla. Filed May 3, 1922. Serial No. 558,077. 5 Claims. (Cl. 197—157.)



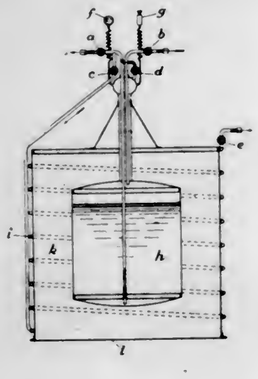
1. A typewriter having, in combination, ribbon-vibrating mechanism including a rock shaft extending transversely of the typewriter, a lever pivoted between its ends at one side of the typewriter, the rear arm of said lever being connected to said shaft, an operating element located in the longitudinal median plane of the typewriter, a connection between said element and the forward arm of said lever, and two finger keys arranged to move said element in opposite directions.

1,505,094. ROTARY ENGINE, PUMP, AND THE LIKE. HUGO HEINRICH, Zwickau, Germany. Filed Mar. 20, 1918. Serial No. 223,665. 13 Claims. (Cl. 286—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



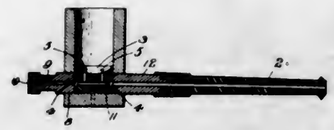
1. In a rotary engine, a rotary cylinder, a stationary cylinder, a packing ring between said cylinders, said stationary cylinder and packing ring being provided with coacting recesses and members, the members arranged to cross the joint between the packing ring and the stationary cylinder.

1,505,095. DEVICE FOR DEVELOPING GAS UNDER PRESSURE FROM LIQUEFIED GASES. PAUL HEYLANDT, Berlin-Sudende, Germany. Filed Jan. 3, 1921. Serial No. 434,823. 7 Claims. (Cl. 62—92.)



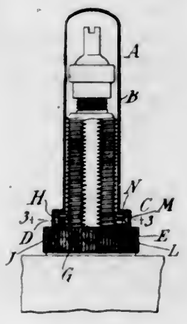
1. A portable device for storing and transporting liquefied gas, comprising an internal metal vessel adapted to hold a liquefied gas, an envelope of insulating material adapted to prevent the radiation of cold from, and the absorption of warmth by, the said vessel, an inlet for introducing liquefied gas into the vessel, a charging valve controlling the said inlet, a discharge pipe leading from the said vessel to the exterior, a discharge valve controlling the discharge pipe, a passage leading from the vessel into the discharge pipe, and a valve controlling the said passage.

1,505,096. TOBACCO PIPE. JAMES W. IVORY, Philadelphia, Pa. Filed Dec. 4, 1919. Serial No. 342,568. 2 Claims. (Cl. 131—12.)



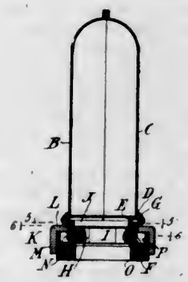
1. In a smoking pipe, a bowl, a stem, an auxiliary air supplying means, the latter in communication with said bowl and said stem, and a perforated placement in the bowl in communication with said bowl and in contact with said auxiliary air supplying means.

1,505,097. DUST CAP FOR TIRE VALVES. HENRY P. KRAFT, Ridgewood, N. J. Filed July 17, 1919. Serial No. 311,459. 2 Claims. (Cl. 152—12.)



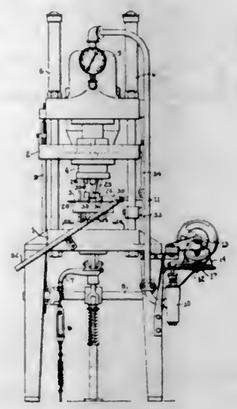
1. A dust cap having a cap portion, a foot portion in fixed relation with a part of said cap portion and cooperating therewith to form an annular recess, an opening in said cap portion, and spring catch means in said recess and having engaging means projecting inwardly through said opening.

1,505,098. DUST CAP. HENRY P. KRAFT, Ridgewood, N. J. Filed Apr. 5, 1920. Serial No. 371,221. 3 Claims. (Cl. 152—12.)



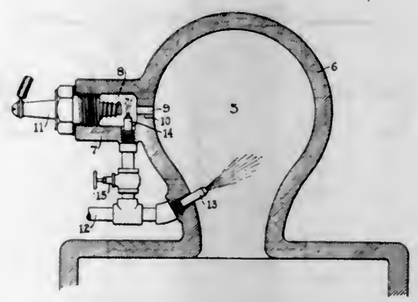
1. A dust cap for tire valves or the like having a sheet metal sleeve non-rotatably mounted at the bottom of the cap, a rim washer permanently connected to the sleeve in longitudinally fixed relation therewith, and carrying a packing gasket and a filling piece between said gasket and the top of the rim washer.

1,505,099. POWER PRESS. FRANK E. LAYMAN, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 10, 1919. Serial No. 281,703. 9 Claims. (Cl. 113—50.)



1. The combination with a press having a die part for projecting the pressed article, said die part having projecting and return movements during the return stroke of said press, of means for gripping the article upon projection thereof and for releasing the same upon a given return movement of said die part and means associated with said former means for throwing the article from said press immediately upon release thereof by said former means.

1,505,100. INTERNAL-COMBUSTION ENGINE. EDWIN N. LIGHTFOOT, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 8, 1918. Serial No. 238,849. 3 Claims. (Cl. 123—32.)

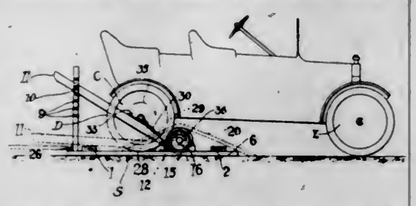


1. In an internal combustion engine, the combination with a casing having parts providing a combustion chamber and an ignition chamber in communication therewith, of an ignition plug penetrating said casing and extending within said ignition chamber, and means for supplying fuel to said chambers jointly and for cutting off the supply of fuel to one of said chambers at will.

1,505,101. POWER TAKE-OFF FOR MOTOR VEHICLES AND THE LIKE. CHARLES MCCOY, Chicago Heights, Ill. Filed Mar. 17, 1921. Serial No. 452,968. 8 Claims. (Cl. 74—106.)

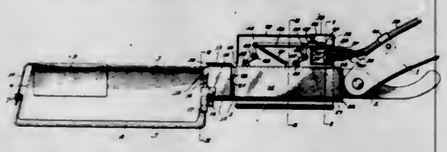
1. In combination, a motor vehicle drive wheel, a driven wheel adapted for driving engagement with said

drive wheel, means directing said drive wheel along a path approaching said driven wheel, said means being



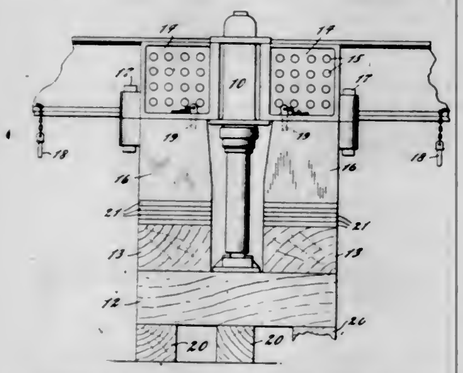
adjustable to change said path and thereby the driving engagement between the drive wheel and the driven wheel.

1,505,102. SAFETY RAZOR. LAURIER A. MAYNARD, Highland Park, Mich. Filed Dec. 16, 1922. Serial No. 607,293. 3 Claims. (Cl. 30—12.)



1. The combination of a razor blade, a guard normally parallel to the cutting edge of the razor blade, means pivotally supporting the ends of said guard at the ends of the razor blade, means for limiting the pivotal movement of said guard, and means normally engaging said guard to produce pressure thereon when said guard is swung to one side or the other of said razor blade.

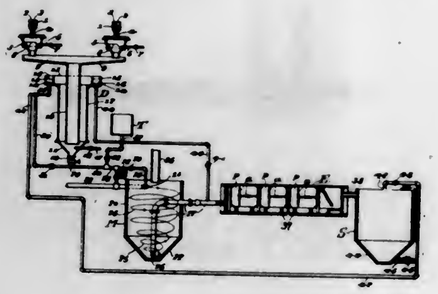
1,505,103. LOADING MACHINE. THOMAS SPENCER MILLER, South Orange, N. J. Filed Dec. 15, 1922. Serial No. 607,044. 10 Claims. (Cl. 212—5.)



1. Logging apparatus, comprising a portable platform, loading machinery carried thereby, means for supporting said platform comprising adjustable means, and means pivotally attached to the platform for holding the platform in adjustable position independent of said adjustable means.

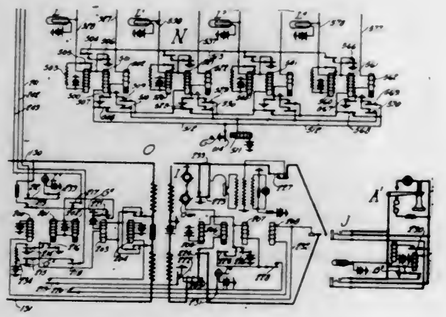
1,505,104. ELECTROCHEMICAL PROCESS OF TREATING LIQUIDS. FRANK N. MOERK, Philadelphia, Pa. Filed Mar. 23, 1923. Serial No. 627,036. 48 Claims. (Cl. 204—25.)

1. The method of treating liquid, as sewage, water, etc., which comprises introducing into the liquid a reagent producing with a content of the liquid, a precipitate, thereafter electrically treating the liquid in the



presence of said precipitate, and thereafter clarifying said liquid by sedimentation.

1,505,105. MULTIOFFICE TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 19, 1920. Serial No. 397,322. 19 Claims. (Cl. 179—27.)

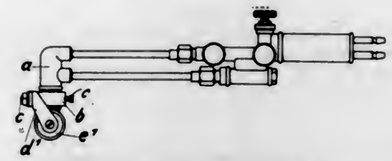


1. In a telephone system, automatic and manual exchanges, a plurality of register sets at the manual exchange accessible to calling automatic subscribers for registering called telephone numbers, an indicating device common to said register sets for showing registered numbers to an operator, a consecution controller for switching registered calls on to said indicating device one at a time, and means in said controller for testing said register sets for registered calls in regular order without regard to the order in which they are taken for use, said means including circuit arrangements such that the controller always begins testing with a particular register set whenever testing is resumed after an interval during which no registered calls are waiting.

1,505,106. BURNER FOR THE AUTOGENOUS CUTTING OF METALS. HANS WILHELM CHRISTIAN SCHRÖDER, Lubeck, Germany, assignor to Alexander Bernhard Dräger, Finkenberg, Lubeck, Germany. Filed Aug. 18, 1921. Serial No. 493,485. 2 Claims. (Cl. 266—23.)

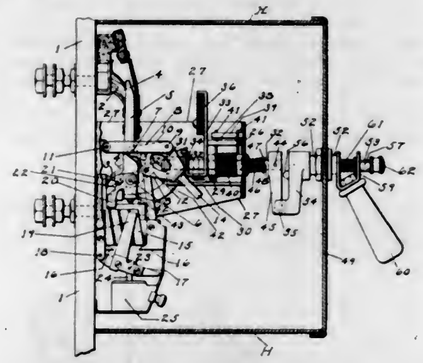
2. In a burner for the autogenous cutting of metals, the combination of a burner head, a guiding carriage con-

nected with said head and comprising two arms provided with L-shaped slots whereby said arms are capable of



being rocked up and down and moved in the direction of the transverse axis of the carriage relatively to said burner head and guiding rollers journalled on said arms.

1,505,107. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed Dec. 3, 1920. Serial No. 427,979. 38 Claims. (Cl. 200—107.)

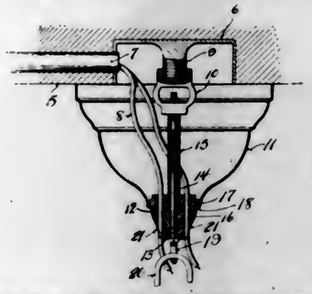


1. The combination with an automatic circuit breaker comprising a movable contact member, an operating member therefor, and automatic tripping mechanism, of an actuating member detached from said operating member adapted to engage and actuate said operating member to reset said circuit breaker, manually operable means for tripping said circuit breaker, a housing enclosing the aforesaid structure, and means within said housing and detached from and positioned for actuating said actuating member and said manually operable tripping means operable from the exterior of said housing and movable with a wall thereof to and from operative position.

37. Automatic circuit breaker mechanism comprising a movable switch member, means for restraining it in normal position, and automatic tripping mechanism, of an actuator detached from said switch member and adapted to reset it, a tripping member separate from said actuator disposed in detached relation with respect to said restraining means, and means for actuating said tripping member and for actuating said actuator independently of said tripping member.

1,505,108. ELECTRIC-FIXTURE HANGER. PETER W. SPRECHER, Milwaukee, Wis. Filed Oct. 30, 1922. Serial No. 597,838. 1 Claim. (Cl. 240—85.)

In an electric fixture the combination of a supporting hickey having a threaded lower aperture, a canopy, an insulating block located within said canopy at its lower end, a screw passing through the lower portion of said canopy and through said insulating block and threaded through the aperture in said hickey, a spacing sleeve positioned within said hickey and said insulating block and adapted to force said insulating block into intimate engagement with the inner portion of said canopy when said screw is tightened, said canopy and said block having

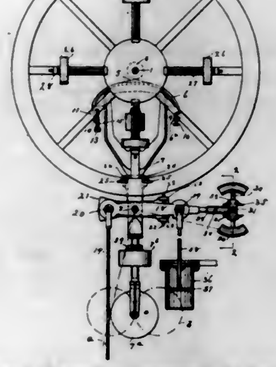


aligning apertures through which electric leads may be passed, and a supporting ring extending through apertures in said canopy into said insulating block.

1,505,109. PROCESS FOR ELECTRODEPOSITING LEAD UPON IRON. BERTRAND S. SUMMERS, Port Huron, Mich. Filed Feb. 23, 1923. Serial No. 620,825. 8 Claims. (Cl. 204—1.)

1. A process of electro-plating lead on iron which consists in forming a solution of lead, immersing the iron to be treated therein, immersing aluminum anodes therein and connecting the anodes and the iron cathodes with a suitable source of direct current.

1,505,110. WEIGHING MECHANISM. CARL GUSTAV VON POST, Stockholm, Sweden; Anna von Post, executrix of said Carl Gustav von Post, deceased, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden, a Corporation of Sweden. Filed Sept. 28, 1921. Serial No. 503,949. 10 Claims. (Cl. 265—62.)

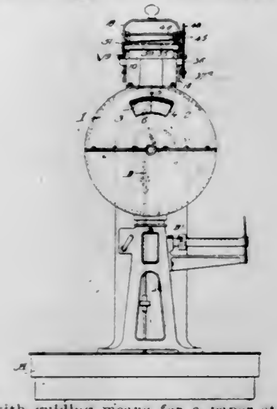


1. A weighing mechanism comprising an indicator having a shaft, straps extending in opposite directions with relation to said shaft, an arm having a member provided with a surface upon which said straps operate, said surface being substantially flat at the mid-portion and similarly curved outwardly on opposite sides of said mid-portion, and means to rock said arm.

1,505,111. RECORDING WEIGHING SCALE. GUSTAF VON POST, New York, N. Y.; Anna von Post, executrix of said Gustaf von Post, deceased, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden, a Corporation of Sweden. Filed May 27, 1921. Serial No. 473,005. 22 Claims. (Cl. 234—1.)

1. Recording mechanism for weighing scales comprising in combination number wheels adapted to be set

corresponding to the weight of goods to be recorded, and means including a lever to operate said wheels and

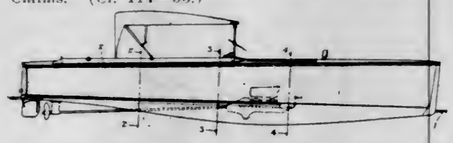


provided with guiding means for a paper strip and with means to impress the strip against said wheels to record their numbers upon the strip.

1,505,112. APPLYING PROTECTIVE COATINGS. JOSEF VON VASS, Budapest, Hungary. Filed Oct. 14, 1920. Serial No. 417,029. 10 Claims. (Cl. 91—70.)

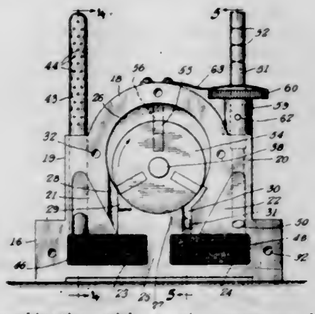
1. The method of waterproofing surfaces which consists in spraying onto the surface to be protected a mixture of plastic bituminous material and solid granular material so as to force said mixture into the surface interstices.

1,505,113. MOTOR BOAT. HUGH MILTON WARNOCK, Penetanguishene, Ontario, Canada, assignor to Gidley Boat Company, Limited, Penetanguishene, Ontario, Canada. Filed Oct. 30, 1922. Serial No. 597,993. 3 Claims. (Cl. 114—56.)



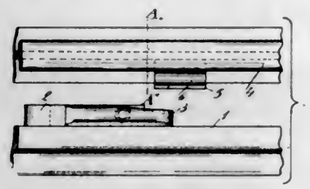
1. A motor boat having a bottom sloping downwardly from bow and stern to amidship and convexedly curved in cross section in the forward portion, said bottom presenting plane surfaces at the after end sloping slightly downward from the water line to keel.

1,505,114. AIR COMPRESSOR. CHARLES WEBER, Newark, N. J., assignor to Weber Pearl Bath Company, Newark, N. J., a Corporation of New Jersey. Filed Apr. 19, 1923. Serial No. 633,063. 8 Claims. (Cl. 230—30.)



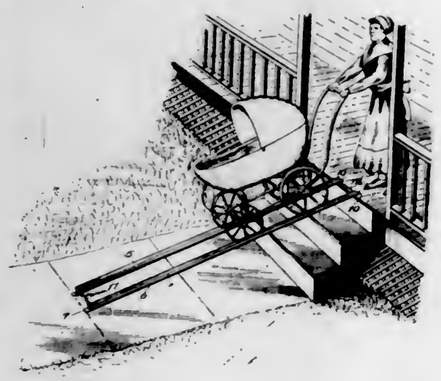
1. In combination with an air compressor having an outlet tube containing a lateral port, of a rotatable sleeve on said tube having plurality of unequal perforations each selectively registerable with said port to adjustably vent the tube.

1,505,115. SIGNALING DEVICE FOR RAILWAY SWITCHES. HUGO WESTESON, Vasteryik, Sweden. Filed Feb. 29, 1924. Serial No. 695,953. 2 Claims. (Cl. 246—210.)



1. In a signaling device for railway switches, the combination with a switch tongue and the adjacent rail toward which said tongue moves when the switch is closed, a yieldably supported movable member carried by said tongue between the latter and said rail and arranged to be actuated by the wheels of cars entering from a track not switched in, and a detonating cartridge supported on the rail between the latter and the switch tongue and disposed below the path of the said member in its movement with said tongue.

1,505,116. CARRIAGE TRACK. EDWARD C. WIEBE, Aberdeen, Idaho. Filed Apr. 26, 1923. Serial No. 634,888. 2 Claims. (Cl. 238—10.)

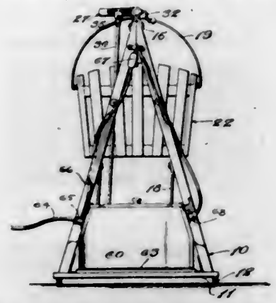


1. A runway for baby-carriages embodying a pair of tracks disposed in spaced relation to permit the walking of a person between the same, telescopic rods adjustably connecting the tracks together at their upper and lower ends, and oppositely pitched angularly extending supporting feet formed on the terminals of the tracks.

1,505,117. ELECTRICALLY-OPERATED SWING. LAWRENCE OTTO WITHEN, Capac, Mich. Filed Mar. 29, 1923. Serial No. 628,569. 1 Claim. (Cl. 155—59.)

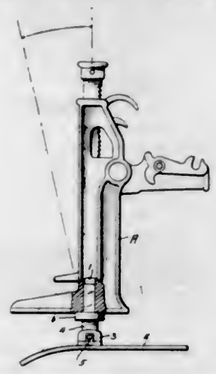
A swing comprising a base, a pair of upstanding straddled legs at each end of the base, a bracket for each pair of legs uniting their upper ends and constituting a bearing, a shaft mounted to oscillate in said bearings, arms extending from said shaft, a rocking member suspended at the free ends of said arms, and means actuated from a source of power adapted to oscillate said shaft; said means including a lever on said shaft, a slide on said

lever, an endless screw in said lever engaging with said slide, a crank handle on said screw for adjusting the position of the slide on the lever, and an actuating rod



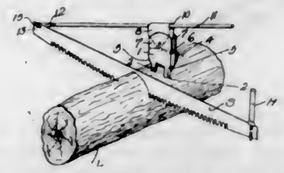
pivoted on said slide, an electric motor on said base, and suitable connection between said motor and said actuating rod.

1,505,118. LIFTING JACK. ROBERT F. WOOD and WILLIAM H. MCCARTHY, Mahanoy Plane, Pa. Filed Sept. 15, 1923. Serial No. 662,846. 1 Claim. (Cl. 254—1.)



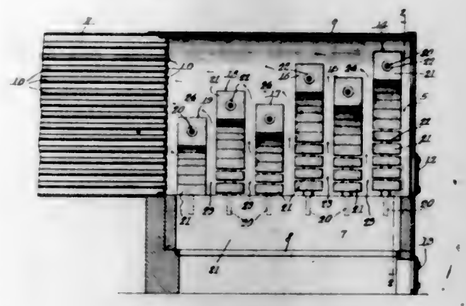
In combination with a jack provided with a socket in its lower end, a foot, an elongated plate having one end portion disposed on a curvature in a direction away from the jack when the foot and jack are assembled, a pair of transversely spaced ears carried by the plate inwardly of but in close proximity to the curved portion thereof, a pin having one end portion extending between the ears and pivotally engaged therewith, said pin being insertible within the socket in the lower end portion of the jack, said pin intermediate its ends being provided with an outstanding flange to limit the insertion of the jack.

1,505,119. SAW GUIDE. RICHARD A. ZIMMERMAN, Spokane, Wash. Filed Apr. 16, 1923. Serial No. 632,561. 3 Claims. (Cl. 143—163.)



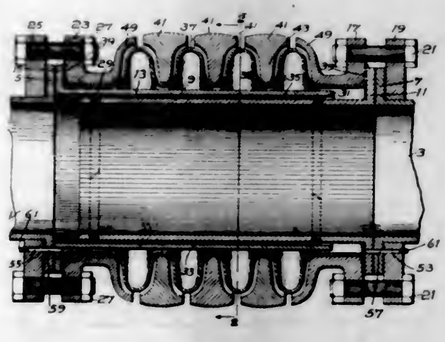
1. The combination with a base member of a pivoted head supported to oscillate thereon, a rod slidable in said head, a manually operated reciprocable saw, and a pivotal connection between said saw and rod.

1,505,120. HEAT ABSORBING AND RADIATING APPARATUS. NICHOLAS J. ZUZULIN, Minot, N. Dak. Filed Jan. 22, 1924. Serial No. 687,882. 3 Claims. (Cl. 110—92.)



1. A furnace including a combustion chamber and a fire box at the bottom thereof, and a plurality of upstanding arches arranged within the combustion chamber and longitudinally spaced therein providing upwardly discharging passages for the combustible gases, the tops of the arches being arranged in staggered relation affording combustion pockets in communication with said passages, said combustion pockets being arranged at different elevations, each arch embodying an inverted U shaped rod, and a plurality of earthen blocks strung upon the arch and held thereon in spaced relation.

1,505,121. EXPANSION JOINT. HAMILTON ALLPORT, Reading, Mass. Filed June 6, 1921. Serial No. 475,264. 16 Claims. (Cl. 285—90.)

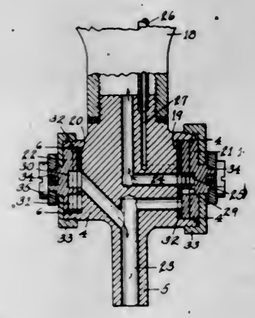


3. In an expansion joint, the combination of a pair of pipes of a pipe line, an expansible bellows having ends secured to said pipes, a pair of telescoping sleeves secured to said pipes respectively, said bellows being expansible and said sleeves having telescoping relative movement on expansion of the pipe line, and widely spaced rings between said sleeves for stiffening and guiding the same in their telescoping movement.

1,505,122. LIQUID-DISPENSING DEVICE. HENRY A. ALLWARDT, Battle Creek, Mich. Filed Dec. 5, 1922. Serial No. 605,064. 2 Claims. (Cl. 225—26.)

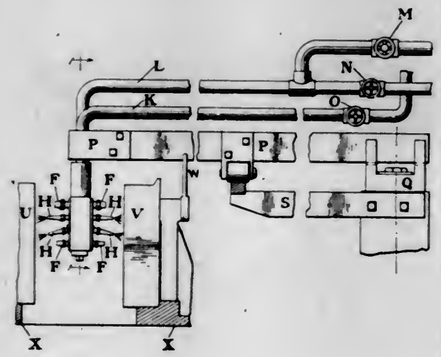
1. In a dispensing device of the class described, the combination with a water receptacle and a syrup measuring receptacle, of a valve body having oppositely facing

water and syrup valve seats, water and syrup inlet passages open to said water and syrup valve seats, water and syrup receptacle passages communicating with the bottoms thereof and open to said water and syrup valve seats, a discharge passage open to both of said valve seats, a vent tube projecting upwardly within said water receptacle and opening at the top thereof, said valve body having a vent tube passage open to said water valve seat, and a vent discharge passage open to said



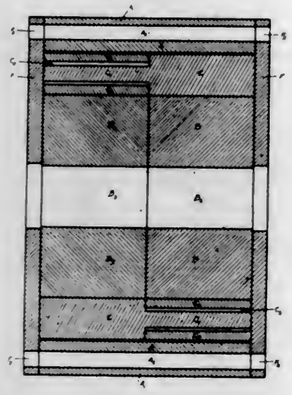
water valve seat, rotary disk valves having groove-like ports in their faces adapted when in one position to connect the said receptacle passages with the said inlet passages and when in another position to connect the receptacle passages with the discharge passage, the water valve having an independent port adapted to connect the vent tube passage with the vent discharge passage prior to the connection of the water receptacle passage with the water discharge passage, and an operating means common to both of said valves.

1,505,123. MOLD CLEANING, HEATING, AND LAMP-BLACKING DEVICE. ALEX ANDERSON, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Sept. 7, 1923. Serial No. 661,378. 2 Claims. (Cl. 22—88.)



1. In a combined lampblack burner, cleaner and heater, a passage for the admission of lampblacking depositing gas, a separate chamber for the admission of heating and cleaning gases, burners for the heating and cleaning gases, separate burners for the lamp-blacking gas.

1,505,124. DIFFERENTIAL. CIPRIANO ANDRADE, Jr., New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,333. 15 Claims. (Cl. 74—7.)



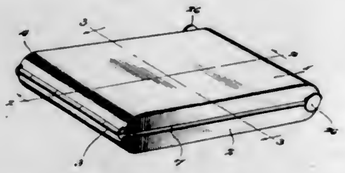
1. In a differential: a driving member; a driven member; and a plurality of locking rollers between the driving member and the driven member, the said locking rollers being arranged in contact with each other.

1,505,125. BELT CLASP. CLIFFORD G. ARMSTRONG, Meriden, Conn., assignor to The C. G. Armstrong Manufacturing Company, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 25, 1924. Serial No. 694,895. 3 Claims. (Cl. 24—191.)



1. In a belt clasp or buckle, a front plate, lateral flanges on the plate, a pintle supported by the flanges, a semisleeve mounted for oscillatory movement upon the pintle, an inclined operating lever integral with one edge of the sleeve, a cam integral with the opposite edge of the sleeve and adjacent the front plate, and a spring on the pintle engaging the cam.

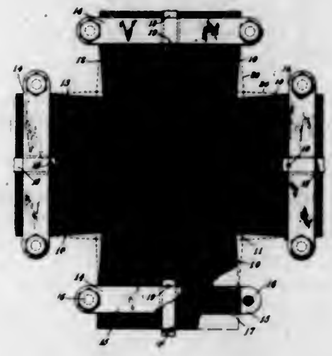
1,505,126. DEVICE FOR MAKING AND CARRYING CIGARETTES. JOHN ATKINSON, Minnedosa, Manitoba, Canada. Filed Feb. 3, 1923. Serial No. 616,727. 4 Claims. (Cl. 131—5.)



1. A device for the purpose set forth comprising a frame member provided at one end in its upper edges with notches, a fixed table carried by said frame member and spaced from the notched end of the same, an apron secured to the end of the table and extending over the same and secured to the end of the frame member to form a pocket between the same and the adjacent end of

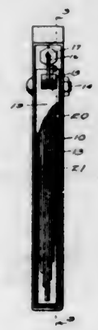
the table, a pin normally seating in the notches in the frame member and adapted to travel along the said member, and a roller loosely mounted on said pin to engage the apron whereby travel of the roller along the frame member will cause the pocket of the apron to roll along the apron and the table.

1,505,127. WOVEN-FABRIC TEST PIECE AND METHOD OF TESTING WOVEN FABRIC. HIRAM D. AYRES, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 9, 1920. Serial No. 357,315. 7 Claims. (Cl. 73—51.)



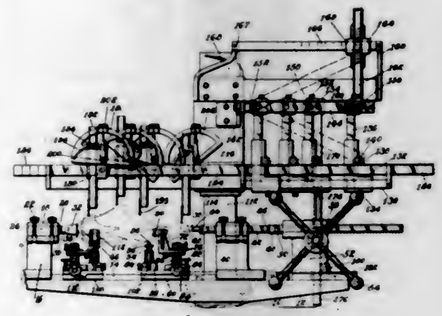
1. A woven-fabric test-piece in the form of a cross with free ends, having the transverse threads withdrawn from its arms adjacent to the central quadrilateral.

1,505,128. AUTOMOBILE SIGNAL. EMIL BERN, Des Moines, Iowa. Filed Jan. 22, 1923. Serial No. 614,328. 1 Claim. (Cl. 116—41.)



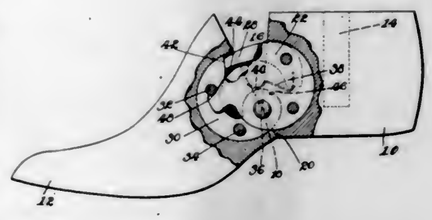
In a device of the class described, a casing member adapted to be fixed to a vehicle, a swinging casing pivoted at its upper end to the fixed casing, and a number of indicator elements pivotally mounted within the swinging casing and adapted to swing downwardly below the swinging casing when said swinging casing is moved outwardly and upwardly, the pivot of the indicator elements being spaced below the pivot of the swinging casing.

1,505,129. LAST-BLOCK-CENTERING MACHINE. STANLEY E. BOYNTON, Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Dec. 13, 1920. Serial No. 430,242. 28 Claims. (Cl. 33—3.)



1. A centering machine having dogs for engaging the work, and an alternate set of dogs for engaging the model, the dog supporting means being constructed and arranged to hold the model dogs within the positions occupied by the work dogs, to provide for adequate stubs on the work.

1,505,130. LAST. STANLEY E. BOYNTON, Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed June 25, 1921. Serial No. 480,472. 16 Claims. (Cl. 12—136.)

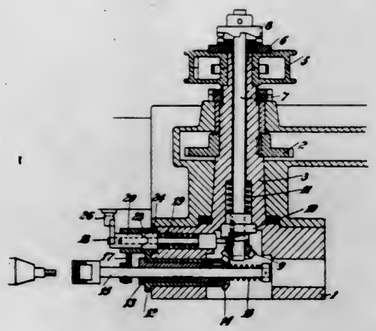


1. A last comprising a forepart and a heel part arranged for relative collapsing movement, and a locking member positively holding the parts against such movement and mounted in one of the said last parts, the other last part being constructed and arranged to engage the locking member when it is moved from operative position to hold it in inoperative position, and to free it again by virtue of the relative movement between the locking member and the said other last part consequent on the collapse of the last.

1,505,131. AUTOMATIC TURRET LATHE. THEODOR EUGEN BUSCHMANN, Chemnitz-Kappel, Germany. Filed Mar. 11, 1921. Serial No. 451,649. 5 Claims. (Cl. 29—40.)

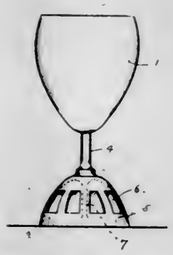
1. The combination with an intermittently rotatable tool carrier, of axially movable rotatable tools on said carrier, tool driving means on the carrier, a cam-faced coupling member in operative connection with said driv-

ing means and said tool, spring-actuated coupling operating means on the carrier, means on said tools engageable



with said coupling operating means, and relatively stationary operating tappets in the circular path of movement of the coupling operating means.

1,505,132. CUP. PETER DELICH, Nopeming, Minn. Filed Nov. 12, 1923. Serial No. 674,393. 1 Claim. (Cl. 65—22.)



A receptacle of the type described comprising a principal body portion and a separable cap therefor, said cap and body portion when united being substantially egg shaped and hollow, a pedestal for said body portion screw threadedly unitable to the lower end thereof either externally or internally, the hollow base of said pedestal being somewhat similar in shape to the interior of the body portion and snugly fitting therein below the line of separation between the body portion and the cap, and a diametrically disposed web transverse the hollow base portion and formed integral therewith for the purpose described.

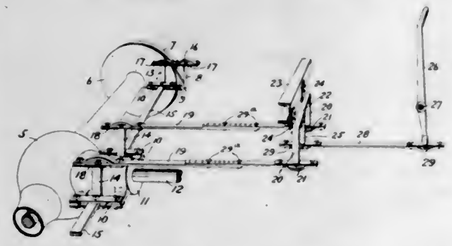
1,505,133. COMBINED MATCH HOLDER AND CIGARETTE CONTAINER. WILLIAM ROBERTS DERBY, Augusta, Ga. Filed Feb. 27, 1924. Serial No. 695,508. 5 Claims. (Cl. 206—48.)

1. In combination with a cigarette packet, a match holder comprising an attaching plate having stems integrally formed therewith, said match stems having heads applied thereto, the attaching plate bein gpasted to the packet, and a covering for the match stems and heads thereof, said covering completely surrounding the match stems and heads and consisting of paper treated so as to be impervious to moisture and so as to insulate the matches and the heads thereof from the cigarettes to pre-



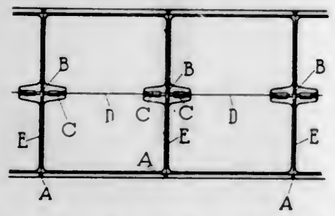
vent the substances of the matches from penetrating to the cigarettes and impairing the flavor or quality or otherwise affecting the same.

1,505,134. BRAKE MECHANISM FOR AUTOMOBILES. ELEUTHERE PAUL DU PONT, Montchanin, Del. Filed May 17, 1922. Serial No. 561,594. 5 Claims. (Cl. 188—2.)



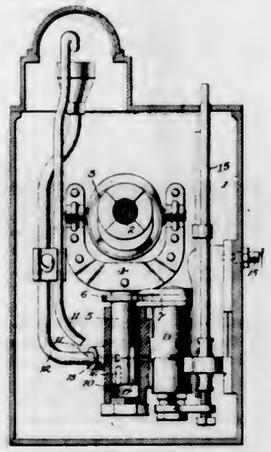
2. Brake mechanism for vehicles comprising a braking device, a brake actuating lever, means adapted to afford a connection between said brake and lever, and flexible means adapted to support and connect said first mentioned means to said brake and lever.

1,505,135. AIRSHIP. LUDWIG DÜRR, Friedrichshafen, Germany, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,539. 3 Claims. (Cl. 244—3.)



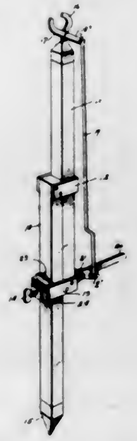
1. In a rigid airship in combination, a rigid tubular frame, a plurality of gas cells surrounded by said frame, bracing wires between two gas cells meeting substantially in the centre line of said frame, a tension member extending longitudinally through said frame and said cells and fixed to said bracing wires and short axially extending sleeves connected with the cell walls traversed by said tension member and loosely but closely fitting around said member.

1,505,136. LUBRICATOR. JOHN ERICKSON, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed Jan. 4, 1923. Serial No. 610,618. 3 Claims. (Cl. 184—27.)



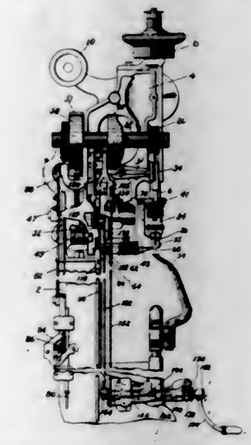
3. In a force feed lubricator, the combination of a cylinder having an intake and an exhaust opening; a piston mounted in the cylinder; means serving to reciprocate the piston and likewise to oscillate the same about its axis; and an exhaust and an intake port formed in the piston, cooperating with the openings aforesaid, the intake port being so arranged with reference to the intake opening as that the intake port and its opening will not register during the initial suction movement of the piston, and immediately after the exhaust port is closed.

1,505,137. CLOTHESLINE SUPPORT. CHARLES A. GEE, Elmira, N. Y., assignor of one-half to Ethel A. Jones, Elmira, N. Y. Filed July 23, 1923. Serial No. 653,285. 1 Claim. (Cl. 68—12).



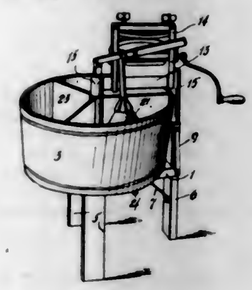
A clothes line support of the character described comprising two sections having sliding engagement with each other, means for holding the sections in any longitudinally adjusted position, a fixed jaw mounted upon the upper end of the uppermost section, a pivoted jaw coacting with the first named jaw and having an extension or handle, a rod pivoted to the handle and extending downward along the second named section, and a lever pivoted to the lower end of the second named section and operatively connected to said rod whereby the jaws may be closed.

1,505,138. MACHINE FOR INSERTING FASTENINGS. JOSEPH GOULDBOURN, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 18, 1920. Serial No. 389,869. 16 Claims. (Cl. 1—26.)



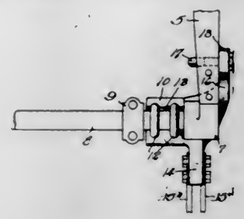
1. In a machine of the class described, means for inserting screw-threaded fastenings comprising a rotary spindle for screwing the fastenings into the work, means for feeding the work past the spindle to cause a row of fastenings to be inserted in the work, means adapted to be actuated by the operator during operation of the machine on a piece of work to vary the normal feed of the work from one range to another, and means carried by the machine for determining the ranges of feeding movement of the work.

1,505,139. WASHING MACHINE. GEORGE W. GRISWOLD, Dallas, Tex., assignor of one-half to Henry I. Warden, Dallas, Tex. Filed Aug. 24, 1921. Serial No. 495,002. 1 Claim. (Cl. 68—19.)



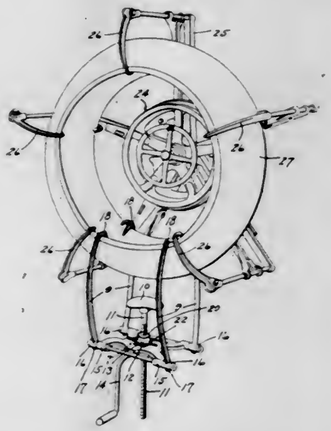
In combination with a frame having a central vertical post and a side vertical post spaced from the central post, a tub having a central vertical socket rotatably receiving the central post so as to be supported by the latter on the frame in spaced relation to the side post, a cross bar having depending sockets engaged over the upper ends of the posts, clothes engaging means, means to actuate said means, and means to pivotally connect the actuating means to the cross bar.

1,505,140. BUMPER. JOHN D. HALE, Chicago, Ill., assignor to Stafford Sales Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1923. Serial No. 661,929. 8 Claims. (Cl. 293—55.)



1. A bumper attaching bracket comprising a tridentate structure one of the arms thereof being provided with a recess radial from the juncture of the arms, a second arm of said structure extending upwardly from the juncture of the arms, and a third arm formed with a recess in a vertical face to receive an adjacent portion of a bumper.

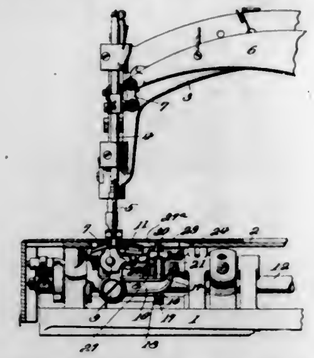
1,505,141. COMBINED TIRE-CASING TURNER AND WORK SUPPORT. PAUL E. HAWKINSON, Minneapolis, Minn., assignor to Kehawke Manufacturing Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 1, 1923. Serial No. 616,284. 8 Claims. (Cl. 154—9.)



8. A device of the kind described comprising a body, a pair of parallel rock shafts journaled on the body, a pair of grapple arms on each rock shaft and having hook-equipped outer ends for engagement with a tire casing to support said body therefrom, an endwise movable shaft mounted in the body and having a head for engagement with the tread of the tire casing, and means for projecting the shaft to turn a section of the tire casing inside out.

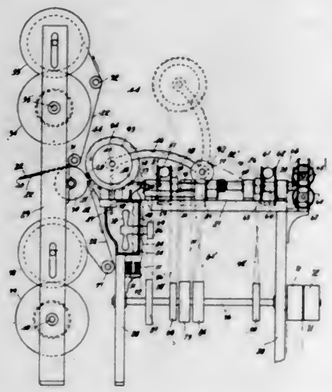
1,505,142. ROTARY TAKE-UP FOR SEWING MACHINES. JESSE J. HEAP, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 11, 1919. Serial No. 289,218. 9 Claims. (Cl. 112—248.)

1. A rotary take-up for sewing machines including a rotating shaft, a single take-up cam carried thereby and having a concentric portion formed with a segmental groove lying at the periphery of said concentric portion, said take-up cam having a smaller concentric portion and eccentric portions, the bottom of said segmental groove



being flush with the periphery of the smaller concentric portion and the eccentric portion adjacent the ends of said concentric portion having said segmental groove.

1,505,143. METHOD OF AND MACHINE FOR MAKING RUG STRIPS. FREDERICK J. HENRY, Taunton, Mass. Filed June 9, 1923. Serial No. 644,479. 14 Claims. (Cl. 117—54.)

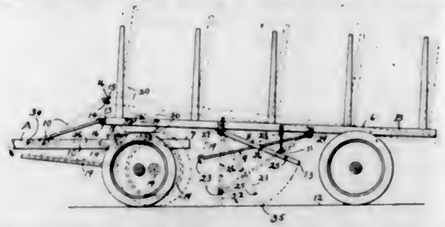


6. A machine for making rug strips comprising means for guiding a laminated strip composed of sections forming a pieced rug strip, and a pair of tapes between which the sections are interposed, means for separating the tapes from the pierced strip and winding up the tapes, feeding means acting on the portion of the pieced strip emerging from between the tapes, means for applying a longitudinally extending connecting thread to the strip, a tubular rotating twister arranged to receive the strip and the connecting thread, and provided with means for engaging the strip to twist the latter, and means carried by the twister for helically coiling a securing thread around the central portion of the strip and around the connecting cord.

1,505,144. LIFT FOR TWO-WHEELED TRAILER VEHICLES. FRED S. HERBERT and HERMAN J. MOONEY, Colorado Springs, Colo. Filed Apr. 5, 1920. Serial No. 371,513. 2 Claims. (Cl. 280—33.1.)

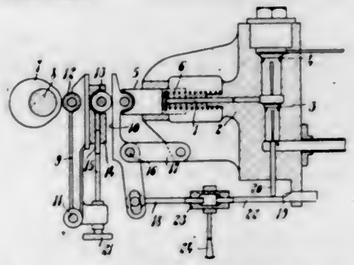
1. In the combination of an automotive tractor and a two-wheeled trailer detachably secured to said tractor, and having upright and pivoted leg supports to sustain

the front end of said trailer when the tractor is removed therefrom, and having means on the underside near the front end of the frmae of the trailer for pivotally connecting it with the top of the rear part of the frame of said tractor, which means comprises a downwardly extending king-pin secured rigidly to the under side of the frame of said trailer and a socket hole in a metal plate on the top of the frame of said tractor provided to receive said king-pin and a locking element 18 slidably



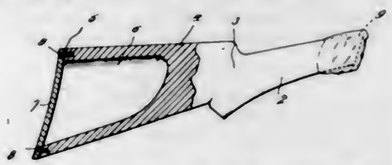
mounted in said plate and provided to lock said king-bolt therein; the combination of the supplemental guide brace 10, comprising a yoke-shaped brace pivotally secured at its spread front lower ends to the side frames of said tractor and pivotally and detachably secured at its upper rear end to the front end of the trailer frame, and provided to guide said king-pin into said socket hole and to sustain part of the strain that would otherwise come on said king-pin in operating said trailer.

1,505,145. INTERNAL-COMBUSTION ENGINE. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed July 28, 1922. Serial No. 578,252. 5 Claims. (Cl. 123—140.)



1. In an internal combustion engine having a fuel supply pump with its plunger, the combination of means comprising a lever system for operating said plunger, said means being adjustable so as to permit variation of the relative speed of operation of the plunger without materially affecting the relative moment of beginning of the injection, with means to cut off the injection after the piston has completed a predetermined part of its discharge stroke.

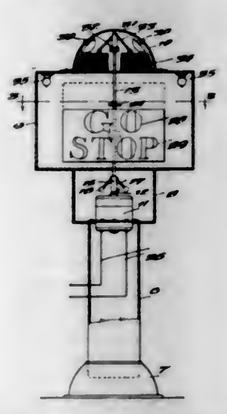
1,505,146. GUNSTOCK. LEO HOLUB, Hartshorne, Okla. Filed Jan. 24, 1924. Serial No. 688,228. 3 Claims. (Cl. 42—71.)



1. A method of making gun stocks consisting in casting a gun stock of metal having the butt portion and a part of the grip portion in a substantially finished condition, applying a butt plate to the end of the butt portion of the stock, and providing the end of the grip portion with surplus material adapted for removal in fitting the stock with a gun breech whereby an accurate fit may be obtained.

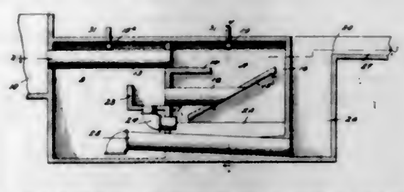
3. As an article of manufacture, a gun stock comprising an integral metallic casting formed with a partially finished grip portion merging into a finished hollow butt, the end of the grip portion being provided with surplus material adapted for removal in finishing said grip portion to accurately receive and fit the breech portion of a gun to which it is applied, and a butt plate secured to the end of the butt portion.

1,505,147. SIGNAL. JOHN F. HURD, Watseka, Ill.; Laura E. Hurd administrator of said John F. Hurd, deceased. Filed Aug. 21, 1923. Serial No. 658,611. 10 Claims. (Cl. 246—126.)



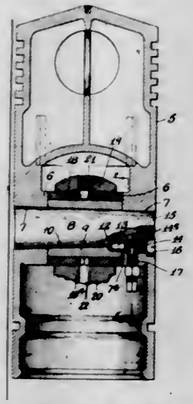
2. A signal of the character described, comprising a movable driving member, a movable driven member, a signal operated by the driven member, and a centrifugal clutch operated by the driving member, said clutch automatically connecting the driving and driven members to actuate the latter by the former when the former is operated and automatically release said driven member when the driving member is stopped.

1,505,148. SEWAGE SEPARATOR. JONATHAN KINDLE, Pitman, N. J. Filed May 22, 1922. Serial No. 562,779. 21 Claims. (Cl. 210—51.)



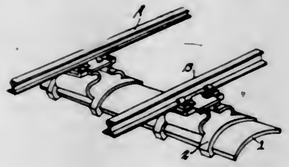
1. In a separator, in combination, a chamber having an inlet, a baffle arranged in said chamber above the bottom thereof and below said inlet, a conduit arranged in said chamber above the bottom thereof and extending through said baffle for conducting fluid from said chamber, the intake end of said conduit being arranged horizontally beneath said baffle, means for receiving the liquid discharged from said conduit, said receiving means being provided with an outlet positioned to maintain the desired depth of liquid in said chamber, and means for conducting away oil collecting on the surface of the liquid in said chamber.

1,505,149. WRIST-PIN CONSTRUCTION. CARL H. KNUDSEN, Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del., a Corporation of Delawnre. Filed July 1, 1922. Serial No. 572,264. 12 Claims. (Cl. 74—108.)



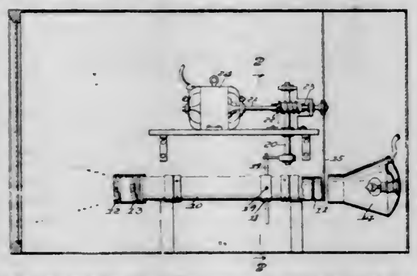
1. A wrist-pin construction for pistons having tapered bosses comprising a tapered wrist-pin adapted to snugly fit the bores of said bosses, a sleeve mounted on and fixed to said wrist-pin and the bore of which is tapered to correspond with the taper thereof.

1,505,150. METALLIC RAILWAY TIE. NICHOLAS P. KOSTECK, Hayden Lake, Idaho. Filed Nov. 10, 1923. Serial No. 673,881. 3 Claims. (Cl. 238—272.)



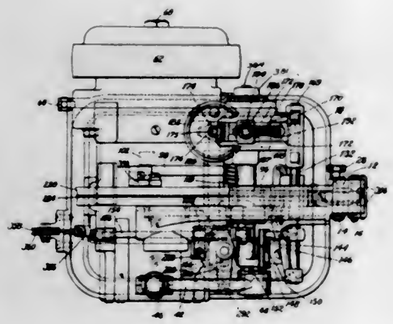
1. The combination with an arched concavo-convex metallic tie, of a saddle plate thereon having spaced arms encircling said tie, vertically disposed supporting plates above said saddle and horizontally disposed oppositely extending chair plates integral with said supporting plates, a chair seat on said supporting plates and means on the chair plates to prevent lateral movement of said seat, and means on said seat for fastening a rail thereto.

1,505,151. ADVERTISING DEVICE. FRED W. KUNSCHMAN, New York, N. Y. Filed Feb. 14, 1923. Serial No. 618,998. 2 Claims. (Cl. 88—24.)



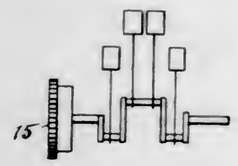
1. An apparatus for the purpose indicated having a revoluble barrel and means for directing a shaft of light therethrough, and a kaleidoscopic chamber arranged in and carried by said barrel in the path of the shaft of light passing therethrough, and means for imparting a step by step rotary movement to the barrel, in combination with means for periodically intercepting the shaft of light.

1,505,152. FASTENER-ATTACHING MACHINE. ALBERT LATHAM, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Oct. 15, 1920. Serial No. 417,128. 97 Claims. (Cl. 218—10.)



1. In a fastener-attaching machine, a movable attaching member, a fastener-holder movable to deliver fasteners directly into the path of the attaching member, and means for causing the separation of the fasteners and holder.

1,505,153. STARTER FOR INTERNAL-COMBUSTION ENGINES. BENNETT M. LEECE, Cleveland, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 11, 1917. Serial No. 196,059. 6 Claims. (Cl. 290—38.)

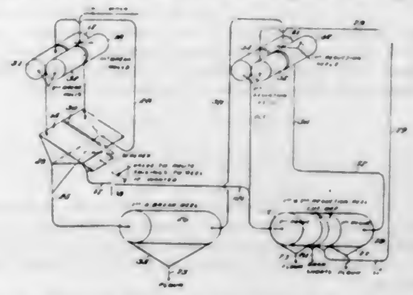


2. In a starter for internal combustion engines, an electric motor having an armature and a field winding, a power transmitting mechanism for connecting the motor to the engine and including a pair of power transmitting elements, one adapted to be moved into and out of engagement with the other, a magnet for shifting said movable power transmitting element, said magnet having a winding which for the full time that it and the motor are energized is in series with the armature and in parallel with the field winding circuit of the motor.

1,505,154. ROLLER GRINDING MILL. LECIUS FREEMAN LITTLE and MARK J. MAYHEW, Owensboro, Ky. Filed June 15, 1922. Serial No. 567,971. 10 Claims. (Cl. 83—12.)

1. In a mill of the class described, the combination of a casing having a roll section and a centrifugal section, a plurality of pairs of coaxially extending break rolls in said roll section, a scalper for receiving the stock as it issues from said rolls, a break reel in said centrifugal

section, means for conveying the throughs from said scalper to said reel, means for returning the overtails from said scalper to one pair of said rolls, a plurality of



pairs of reduction rolls below said break rolls, and means for conveying the material from said reel to said reduction rolls.

1,505,155. BELL. ARTHUR R. MACKENZIE and FREDERICK W. WATSON, Brooklyn, N. Y. Filed May 19, 1923. Serial No. 640,005. 1 Claim. (Cl. 116—148.)



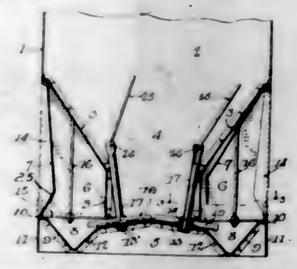
A bell of the class described and a flexible handle therefor, said handle being composed of a doubled cord having a tassel united therewith, the bight of said cord passing through the top of the bell, an open ring connected in the bight of said cord the tongue of said bell being engaged in the ring, and a split sleeve clamped on said cord to retain it in place, said sleeve resting on top of the bell, and holding said ring tightly against the top of the bell.

1,505,156. SCREEN. WILEY M. MANGUM, Purdy, Va. Filed Mar. 17, 1922. Serial No. 544,656. 5 Claims. (Cl. 156—37.)



4. In a screen, the combination with a frame having at its outer side and adjacent its opening an inner screen-supporting surface, blocks projecting from said surface and providing an outer screen-supporting surface spaced from the first-mentioned surface and co-extensive therewith transversely of the frame in its plane, and inner and outer screening spaced from each other secured to said surfaces and projecting beyond the same away from the opening and terminating in edges free from the frame, the outer screening closing the frame opening and the inner screening leaving it open and forming with the outer screening an exit passage from said opening.

1,505,157. STOCK FEEDER. GEORGE MARKEY, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a Corporation of Wisconsin. Filed July 2, 1921. Serial No. 482,030. 5 Claims. (Cl. 119—54.)



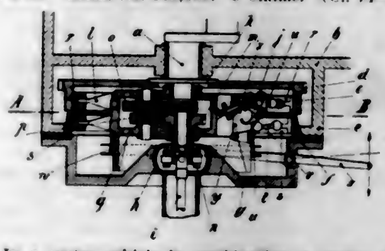
1. The combination of a storage chamber for grain and ground feed, provided with an inclined floor, and a feeding recess, a rotatable feeding wheel on the bottom of said chamber provided with actuating means exteriorly exposed in said recess and an agitator located in the chamber and connected with the wheel, said agitator having an intermediately jointed member adapted to swing to an inclined position with reference to the lower portion.

1,505,158. FREQUENCY-CONTROL SYSTEM. DE LOSS K. MARTIN, Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 23, 1921. Serial No. 517,336. 9 Claims. (Cl. 250—2.)



1. A system of distant control which comprises means for transmitting a controlling frequency of small energy, means for amplifying said energy, a synchronous motor responsive to the amplified controlling frequency and a synchronous device operated by the synchronous motor.

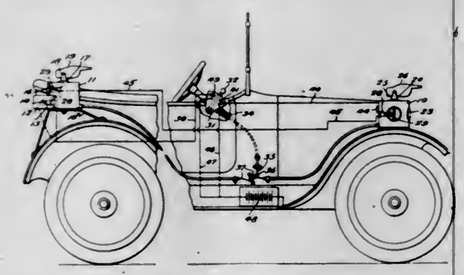
1,505,159. DRIVING GEAR FOR MOTOR CARS. KARL MAYBACH, Friedrichshafen, Germany, assignor to the Firm: Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Sept. 27, 1921. Serial No. 503,668. 5 Claims. (Cl. 74—34.)



1. In a motor vehicle in combination, a motor shaft, a fly wheel on said shaft and a Cardan shaft serving to transmit power, a stationary casing, a coupling rim fixed to said casing, a mechanical change speed gear in said

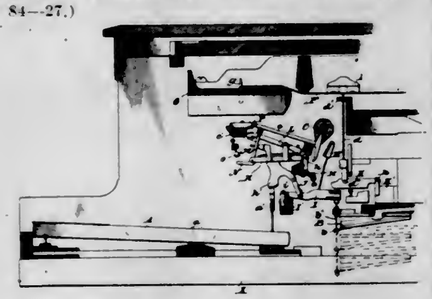
casing comprising planet wheels and a planet wheel carrier incapable of axial displacement, duplicate coupling members attached to said carrier, means for applying either one set of members against said fly wheel or the other set against said rim, and means for alternately carrying said applying means into operative position relatively to one or the other set.

1,505,160. AUTOMOBILE SIGNAL. HARLEY M. MOFFETT, Deshler, Ohio. Filed. Apr. 26, 1921. Serial No. 464,761. 1 Claim. (Cl. 74—39.)



An actuating means for a vehicle signal, the same comprising a casing, means for mounting said casing on an automobile within convenient reach of the operator thereof, a lever pivoted within the casing, a tubular housing connected with the casing and extending downwardly therefrom, a flexible operating element movable within the said housing and connected at one end to said lever intermediate the ends of the latter, said flexible operating element connected at its other end to an arm of a pivoted T-shaped member, a flexible element connected to each of the other arms of the T-shaped member and extending in opposite directions therefrom, a rack bar secured to the outer end of each of the flexible elements last named, guides for said rack bars, vertically extending shafts, pinions on said shafts and in mesh with the teeth of said racks, and a spring within said casing and adapted to retain said lever in neutral position when the lever is returned to such position.

1,505,161. PLAYER GRAND PIANO. MARTIN NICKELS, New York, N. Y., assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed May 5, 1921, Serial No. 467,180. Renewed Jan. 14, 1924. 3 Claims. (Cl. 84—27.)

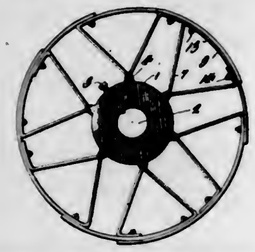


1. In a player grand piano, the combination with a key pivoted between its ends and provided with an element fixed to it at a place rearward of its pivot, a pneumatic rearward of the key and above the plane of the lower surface of the latter and provided with an element to transmit power, a wippen pivoted to a fixed support and contacting with the projection from the key to receive motion therefrom when the piano is being played manually and free to move with relation to said projection when the piano is played under control of a record, a hammer, connections between the hammer and wippen, a back check, a carrying lever therefor, pivoted to a fixed support and arranged above the plane of the upper surface of the key and in a spaced relation to said key, a connection between said carrying lever and the wippen, and an abutment on the power transmitting element in position for directly operating the lever.

1,505,162. VEHICLE OF CONTACT. EUGEN NOWAK, Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,658. 5 Claims. (Cl. 23—28.)

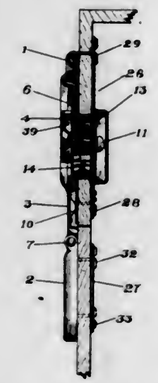
1. The process of producing a catalytic substance, which consists in forming a catalyst diluted by catalytically inert masses, and adding locally to such masses a comparatively small amount of a highly concentrated catalyst.

1,505,163. EXPANSIBLE PULLEY. NELS I. OLSON, Northwood, N. Dak. Filed Nov. 21, 1922. Serial No. 602,396. 4 Claims. (Cl. 64—8.)



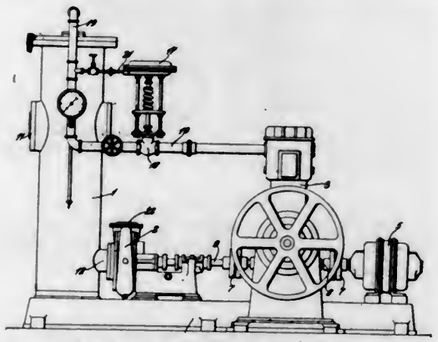
1. An expansible pulley comprising a rim formed of a plurality of sections having bodies adapted to slide over one another, each section including a pair of connected spoke members converging toward the center of the pulley, said bodies attached to one spoke member and curved to extend over the other spoke member and means for holding the bodies in adjusted relation in respect to one another.

1,505,164. COMBINATION LOCK. ELISÉE PIERRE RAMBAUD, New Orleans, La. Filed May 31, 1922. Serial No. 565,014. 5 Claims. (Cl. 70—55.)



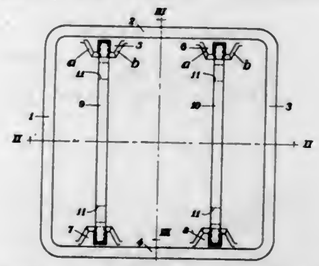
1. A permutation lock comprising in combination, a swingable hasp provided with an integrally formed lock casing, a pin secured to the bottom of the casing, tumblers rotatably mounted on the pin and provided with interengaging lugs for locking the tumblers for differential rotation, the bottom of the casing being provided with slots, lock bolts on the tumbler adjacent the bottom of the casing adapted to be received by said slots and movable through said slots, and a shaft mounted for rotation in line with the pin, a tumbler rigidly connected to the shaft provided with a lug engageable with a lug on the adjacent tumbler on the pin, a cup-shaped knob secured to the shaft and provided with a corrugated side wall, a spring mounted in the knob having a projection adapted to be successively engaged by the corrugations for providing clicks, a spring keeper in the lock casing, the tumblers being provided with notches engageable by the spring keeper when the notches are alined by the differential rotation of the tumblers.

1,505,165. PUMP. WILLIAM H. REEVES, St. Louis, Mo. Filed Nov. 12, 1923. Serial No. 674,230. 19 Claims. (Cl. 103—6.)



1. A pumping unit comprising a driving element, a liquid pump, an air pump, and a worm gear drive having worm and gear shafts connected to said liquid and air pumps and to said driving element.

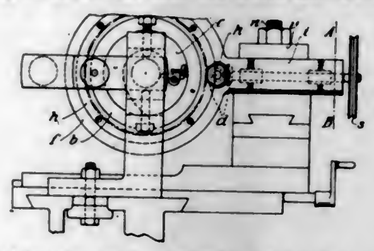
1,505,166. STORAGE-BATTERY JAR. JOHN L. RUPP, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 24, 1922. Serial No. 584,128. 4 Claims. (Cl. 204—29.)



4. A storage battery jar provided with separate plate rests supported on lugs integral with the jar, said rests being spaced from the bottom of the jar and provided with transverse openings to facilitate circulation of electrolyte.

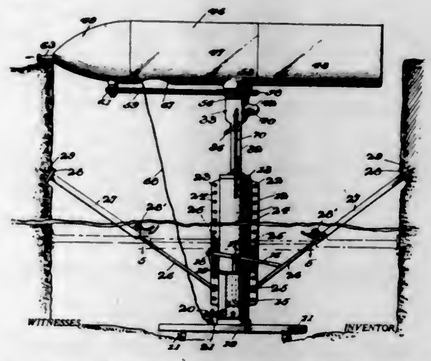
1,505,167. DEVICE FOR EQUALIZING CRANK PIVOTS. WILHELM SCHWEIZER, Basel, Switzerland. Filed Oct. 23, 1922. Serial No. 596,427. 2 Claims. (Cl. 82—9.)

1. A device for equalizing crank pins, comprising, in combination, a crescent-shaped tool holder; a circular carrier having said holder attached to it and having a circular groove on each side; a circular guide member located at one side of said carrier and having a circular ledge engaging the respective groove of the carrier; a ring located at the other side of the said carrier and



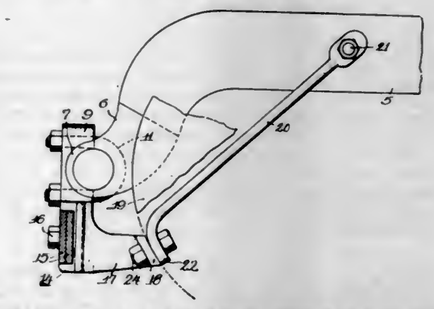
being affixed to said guide member and having a circular ledge engaging the respective other groove of the carrier and means for rotating the tool carrier, as set forth.

1,505,168. TRENCH-WARFARE DEVICE. CHARLES E. SPARHAWK, Drumbeller, Alberta, Canada. Filed Apr. 5, 1923. Serial No. 630,176. 5 Claims. (Cl. 89—36.)



1. In combination, a running gear adapted to be positioned in a trench or excavation, an elongated housing supported by said running gear, said housing being adapted to accommodate a person and having an opening in its one end through which projectiles may be fired by said person, means for elevating said housing with respect to the running gear, and means whereby said housing may be tilted in either direction with respect to its length.

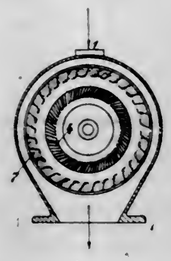
1,505,169. BUMPER. LEWIS F. STAFFORD, Chicago, Ill., assignor to Stafford Sales Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 12, 1923. Serial No. 668,110. 8 Claims. (Cl. 293—55.)



1. A bumper attaching bracket comprising a rectangular plate having a channeled face to receive a portion of a bumper, a vertical block extending above said plate

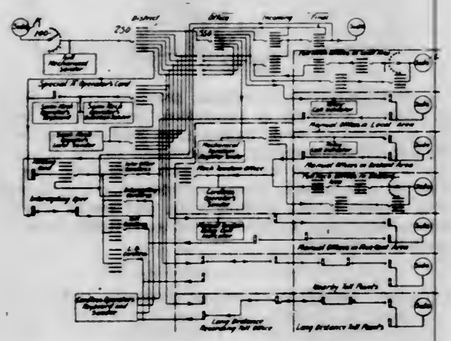
and having a horizontal recess in its upper portion, and means extending through said block whereby the bracket is secured pendently to a suitable portion of a vehicle.

1,505,170. METHOD OF GRINDING. STEFAN STEINMETZ, Berlin, Germany. Filed Aug. 26, 1921. Serial No. 495,528. 1 Claim. (Cl. 83—42.)



The process of obtaining the nourishing particles in bran, consisting in first separating the bran from the grain in the form of scales or lamellas, secondly cutting these scales or lamellas to bring them into a form other than scales or lamellas, and thereafter grinding the cut lamellas or scales to most finely divided powder.

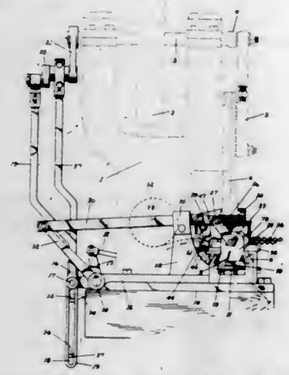
1,505,171. TELEPHONE-EXCHANGE SYSTEM. FRANKLIN A. STEARN, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1921. Serial No. 464,242. 46 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a calling subscriber's line, a plurality of called subscribers' lines located in different areas of said exchange, automatic selector switches for extending connections from said calling line, a central office register sending mechanism common to said switches and under the control of said calling subscriber for controlling said switches and effective to cause the complete establishment of connections to called lines in certain of said areas, an operator's position and means effective upon the attempt of the calling subscriber to establish connections with other of said called lines to extend such connections to said operator's position.

1,505,172. RADIATOR-CORE-FORMING MACHINE. ROBERT ROY SWANEY, Sacramento, Calif. Filed June 3, 1922. Serial No. 565,579. 7 Claims. (Cl. 153—15.)

1. In a metal bending machine, a base, a pair of longitudinally alined heads carrying formers thereon both slidably mounted for opposed movement on the base, a disc mounted on the base under the heads, opposed rods



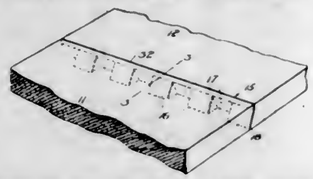
pivotally connected to the disc and to the heads and means for rotating the disc whereby opposed movement is imported to the heads.

1,505,173. WEEDING HOE. FREDERICK TIEMANN, Ordway, Colo. Filed Feb. 3, 1923. Serial No. 616,655. 1 Claim. (Cl. 97—63.)



A hoe blade formed from a strip of metal having an intermediate plane portion provided with a curved cutting edge, the ends of the intermediate portion merging into converging side portions, which have edges curved toward the cutting edge of the intermediate portion, the said side portions merging into socket sections, which abut at their longitudinal edges to form a complete socket for the reception of the handle.

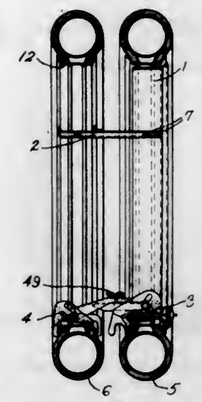
1,505,174. CONCRETE-PAVEMENT CONSTRUCTION. EDWARD K. TRIOL, Seattle, Wash. Filed Feb. 9, 1922. Serial No. 535,258. 6 Claims. (Cl. 94—13.)



1. A broad concrete paving slab having along one side, and at some distance directly below its upper face, alternating projections and recesses with their lateral faces perpendicular to said side and adapted to lie and closely fit in corresponding recesses and projections, respectively, along the margin of a companion slab.

1,505,175. TIRE-CARRIER ATTACHMENT FOR AUTOMOBILE SPARE-TIRE RACKS AND THE LIKE. JOHN C. TURVENE, Dayton, Ohio. Filed Jan. 9, 1922. Serial No. 527,876. 14 Claims. (Cl. 224—29.)

1. In a tire carrier, including in combination with a tire rack, an attachment comprising a support and connected therewith means for securing said attachment to said rack, a lever having a variable pivot center in said support, and an adjustable clamp pivotally connected to

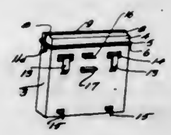


said lever, and adapted upon operation of the lever to be moved into holding engagement with the rim of a tire supported on said rack and in said relation to be interlocked with said lever.

1,505,176. MOLD COATING. STANLEY M. UDALE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Nov. 30, 1923. Serial No. 677,897. 3 Claims. (Cl. 22—187.)

1. A coating for protecting metal molds, consisting of an inert refractory insulating material colloidally subdivided and a small percentage of heat-resisting binder.

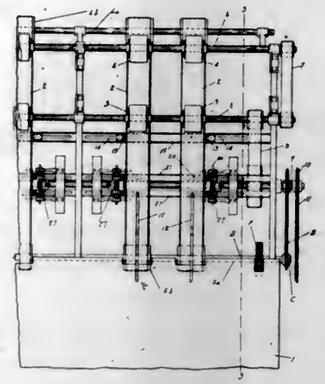
1,505,177. FLY-BOOK CASE. GUY VON PRESSENTIN, Spokane, Wash. Filed Apr. 18, 1922. Serial No. 555,082. 1 Claim. (Cl. 43—32.)



The combination with a fly book case having a supporting means and fashioned with a grooved flange around its upper edge, of a lever having angular arms pivoted to the case, a U-shaped bail having trunnions pivoted in said arms, a removable cover having a gasket and flange for co-action with said grooved flange, and perforated spaced ears on the top of said cover whereby the latter is supported on the bail when the cover is removed.

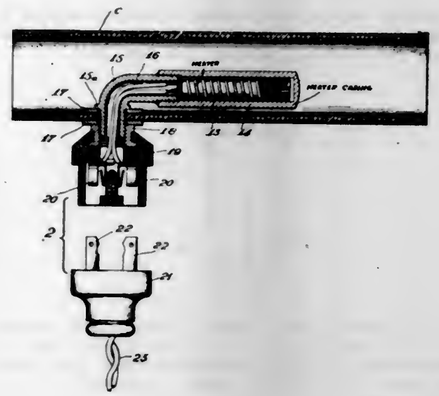
1,505,178. BOX-FOLDING MACHINE. VERNER M. WADE and CHARLES E. ZUSPAN, Fairmont, W. Va. Filed May 16, 1923. Serial No. 639,226. 16 Claims. (Cl. 93—49.)

1. In a machine for folding blanks in the manufacture of containers of paperboard or the like the combination of means for conveying the blanks in extended position with a folding head comprising a pair of brackets, arms pivotally mounted on each of said brackets, a folding frame or arm carried by each set of pivoted arms,



means for arresting progress of one blank at a time in position between said arms, and means for swinging said pivoted arms to swing said folding arms.

1,505,179. HEATER CONDUIT. ROBERT H. WHITELEY, Chicago, Ill., assignor to Edward A. Zimmerman, Chicago, Ill., trustee. Filed Apr. 23, 1923. Serial No. 633,902. 10 Claims. (Cl. 219—38.)

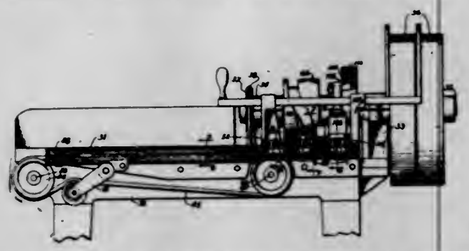


1. In an apparatus of the class described, a section of flexible conduit adapted for insertion in an engine cooling system as a part thereof, and an electric heater located within and supported by said conduit, said conduit serving to protect the heater against direct shocks and to cushion the heater against indirect shocks.

1,505,180. HINGE-FORMING APPARATUS FOR METAL ARTICLES. MAGNUS E. WIDELL, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 30, 1920. Serial No. 407,018. 16 Claims. (Cl. 29—11.)

1. In a hinge forming apparatus, the combination of male and female dies for bending hinge-forming elements, and means for feeding the articles to be bent into position between said dies, said feeding means being con-

structed and arranged to engage and propel the next to the most advanced article, the latter being positioned

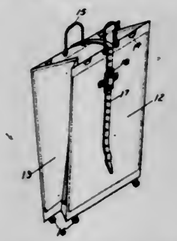


between said dies by said article so engaged, and means for successively feeding such articles to a point within the sphere of operation of said feeding means.

1,505,181. PROCESS FOR OBTAINING THE ACTIVE PRINCIPLE OF LOBELIA. HEINRICH WIELAND, Munich, Germany. Filed July 9, 1920. Serial No. 395,131. 3 Claims. (Cl. 260—25.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1913.)

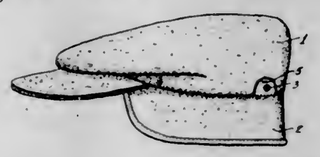
3. As a new article of manufacture an alkaloid having the medicinal properties of *Lobelia inflata*, said alkaloid having the formula $C_{21}H_{25}NO_2$, forming colorless crystals melting at 120° C., furnishing an amorphous yellowish-white platinum chloride double salt containing 17.6% Pt, furnishing a difficultly soluble mercurous double salt, its free base being very difficultly soluble in water, its chlorhydrate being easily soluble in water, chloroform, substantially as hereinbefore described.

1,505,182. VEHICLE PACKAGE CARRIER. ERNEST E. WRIXTON, Oakland, Calif. Filed June 22, 1922. Serial No. 570,067. 3 Claims. (Cl. 224—29.)



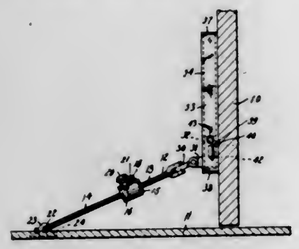
1. A portable and detachable package carrier adapted to be supported and carried by a baby carriage, said carrier having a reinforced frame and provided with attaching means at its top and bottom for attaching the carrier to the baby carriage, and said frame provided with handles for carrying the device when detached from the carriage.

1,505,183. CAP. DAVID ZUCKER, St. Louis, Mo. Filed Jan. 10, 1923. Serial No. 611,724. 5 Claims. (Cl. 2—172.)



1. A cap having a detachable flap attached thereto by ball-and-socket fasteners, the said fasteners being located in the lower margin of the cap and in the upper margin of the flap, and there being pleats covering the fasteners on the lower margin of the cap when the said fasteners are not in use to provide ample protection between the head of the wearer and the fastener member carried by the cap.

1,505,184. DOOR-SECURING MEANS. ARNOLD ZUKOR, New York, N. Y. Filed May 9, 1923. Serial No. 637,728. 2 Claims. (Cl. 292—338.)

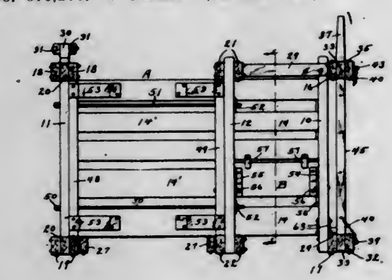


1. A door securing means comprising a bar, an abutment on the floor against which the lower end of said bar is set, a vertical guide on the inner face of the door, a lock slidably arranged in said guide connected with the upper end of said bar, said guide having holes adjacent its lower end for co-operation with locking bolts of said lock to secure the door against forcible entry.

1,505,185. PERMANENT COLORIMETRIC STANDARD FOR HYDROGEN ION DETERMINATION. MARION S. BADOLLET, JOHN HAMILTON, and CHARLES F. WALTON, Jr., Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Mar. 4, 1924. Serial No. 696,887. 1 Claim. (Cl. 88—14.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

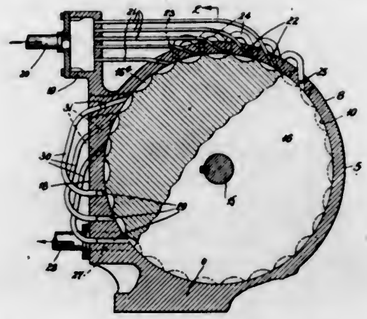
Permanent colorimetric standards for hydrogen ion determinations made from solid and transparent material, and containing permanent colors to correspond with those given by the use of well-known chemical indicators.

1,505,186. ANIMAL CRATE AND HOLDER. CHARLES BEDELL, Glidden, Iowa. Filed Oct. 23, 1923. Serial No. 670,270. 6 Claims. (Cl. 119—99.)



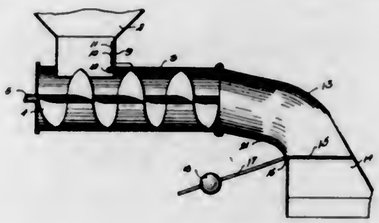
2. An animal crate and holder, comprising posts spaced apart in pairs, cross-bars connecting upper and lower ends of said posts transversely in pairs, slats connecting said posts longitudinally, a door formed by severing a relatively short portion of one of said slats and hinging it for outward swinging movement between two of said posts, a portion of one side of said crate being formed of slats connected by vertical bars and such portion being removably secured between certain of said posts, a floor carried by the lower cross-bars, and means for closing the ends of said crate.

1,505,187. STEAM-TURBINE ENGINE. WILLIAM H. BELKNAP, New York, N. Y. Filed Mar. 27, 1923. Serial No. 627,989. 12 Claims. (Cl. 253—48.)



12. A cylinder construction for steam turbine engines of the class described comprising a base, an annular body on said base and divided by a central partition wall into separate cylinders opening outwardly at the opposite sides of said cylinder structure, plates for closing the openings of said cylinders, a shaft mounted in said plates and said partition wall, rotors mounted on said shaft within said cylinders, a plurality of steam nozzles spaced circumferentially of one of said cylinders, and a plurality of exhaust passages at one side of and placed in communication with said nozzles through the pockets of the rotor, means for passing the exhaust steam from said cylinder into the adjacent cylinder, and means for exhausting the steam from said last named cylinder.

1,505,188. FEED REGULATOR. HENRY J. BURNS and GLENN E. TOLLENAAR, Spokane, Wash. Filed Sept. 23, 1922. Serial No. 590,056 1 Claim. (Cl. 83—44.)



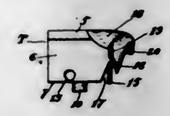
In an injecting device the combination with a feed pipe and a hopper having a free opening thereto, of a screw conveyer in the feed pipe, an adjustable device in the hopper and a blade rigid with said device having a lateral cutting edge conforming to and adapted to co-act with the screw conveyer.

1,505,189. FURRING AND FASTENING DEVICE. ORIN T. CROWE, Hayward, Calif. Filed May 16, 1922. Serial No. 561,275. 2 Claims. (Cl. 72—120.)



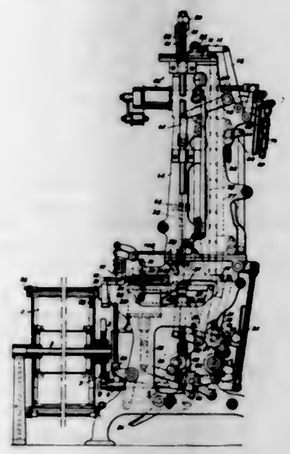
1. In combination, a wall sheathing, a multihumped staple of wide span and pronged at its extremities, and adapted to be driven in said sheathing to the base of said humps, and wire lathing adapted to be received and supported on the top of said humps, forming in conjunction therewith outstanding reinforcement for stucco wall composition, the latter adapted to be spread on the sheathing surface and between and around the meshes of said reinforcement the said humps formed by indents on said span, and said indents adapted to receive holding staples over said supported lathing for presenting a flush surface for the unobstructed use of the plasterer's darby.

1,505,190. SHUTTLE. JEAN B. DAUDELIN, Fall River, Mass. Filed Apr. 13, 1923. Serial No. 631,918. 10 Claims. (Cl. 139—223.)



1. In a shuttle having a threading eye, a threader mounted longitudinally of the shuttle throat, a tongue overlying the threading eye and defining with the adjacent portion of the shuttle body a thread inlet port opening into said eye from above and a vertical rib depending from said tongue and extending above and parallel to the longitudinal axis of said eye and constituting a barrier effective to prevent escape of the weft from said eye by an upward lifting movement.

1,505,191. METHOD OF AND MACHINE FOR MAKING HEELS. ADOLPH GEIGER, Stuttgart, Germany. Filed Apr. 2, 1923. Serial No. 629,429. 20 Claims. (Cl. 12—50.)

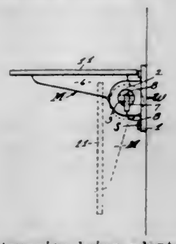


1. The method of making heels by punching a hole in the lifts, applying paste to some of the said lifts and threading a series of said punched and pasted lifts with the holes on penetrating guiding-pins so as to form heels.

1,505,192. HINGE. JOSEPH GERVAIS, Jr., Los Angeles, Calif. Filed Sept. 17, 1921. Serial No. 501,485. 2 Claims. (Cl. 16—143.)

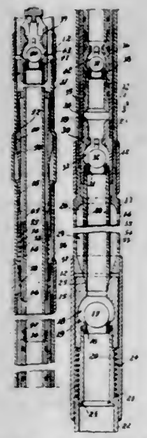
1. A hinge including a fixed member having a bore therein, provided with a peripheral notch, and a movable member comprising an arm having a hub portion with a trunnion centrally positioned thereon, said trunnion

having its sides flattened and its edges adapted to rotatably engage the periphery of the bore in said fixed



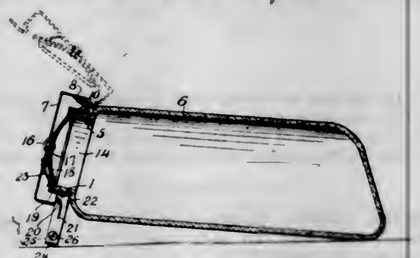
member, and said trunnion being adapted to seat in the notch in said bore for preventing the movement of said movable member.

1,505,193. PUMP. JOHN HAHN, Los Angeles, Calif. Filed July 31, 1923. Serial No. 654,895. 32 Claims. (Cl. 103—179.)



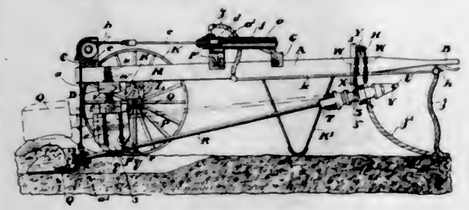
1. A pump comprising pump tubing having an internal shoulder, a standing valve cage provided with a valve and forming a seat, a spring between the cage and the shoulder, a working barrel, a tubular member connected with the working barrel and inserted in the seat, a friction lock between the working barrel and pump tubing to hold the tubular member in its seat, and a valved plunger in the working barrel.

1,505,194. CLOSURE FOR JARS AND SIMILAR CONTAINERS. WILLIAM F. HAMMOND, Kansas City, Mo., assignor to Confectioners' Equipment Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 30, 1921. Serial No. 504,284. 15 Claims. (Cl. 215—1.)



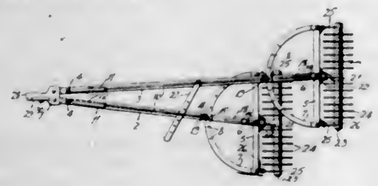
1. In a device of the kind described, means arranged to clamp a jar, a swinging member hinged to said clamping means, a cover carried by said member and adapted to close the mouth of the jar, releasable means for locking the swinging member to said clamping means when the cover is in the closed position, and means for automatically swinging the swinging member to the open position when the locking means is released, substantially as set forth.

1,505,195. TRENCH DIGGER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 1, 1924. Serial No. 696,115. 9 Claims. (Cl. 214—132.)



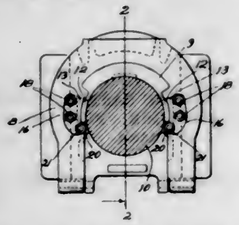
1. An excavating machine comprising a frame, a shovel suspended from said frame, fluid actuated percussive means for driving said shovel forward, means for raising said shovel, and automatic means to tilt and dump said shovel upon elevation thereof to a predetermined height.

1,505,196. HARROW. JOHN G. HANSEN, Cedar Falls, Iowa. Filed Oct. 21, 1922. Serial No. 596,068. 2 Claims. (Cl. 55—83.)



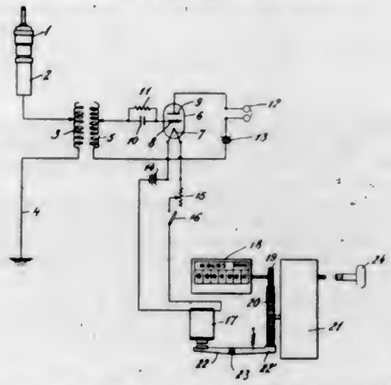
1. In a harrow, a draft plate, recessed frame-bars pivotally connected thereto, one of said bars being longer than the other, cross bars carried by said frame-bars, segments adjustably connecting said frame-bars and connected to said cross bars, bell-crank-levers fulcrumed to said cross bars, harrow blades carried by said bell-crank-levers, hand levers fulcrumed upon said frame-bars and extending into the recessed portions thereof, reach bars disposed in the recesses in said frame-bars and operatively connecting said hand levers and bell-crank-levers, means connecting said hand levers and segments for disconnecting the latter and said frame-bars, and a reach bar connecting said frame-bars.

1,505,197. DRIVER BOX. FRANK L. HOLT, Van Buren, Ark. Filed Nov. 15, 1920. Serial No. 424,073. 8 Claims. (Cl. 64—55.)



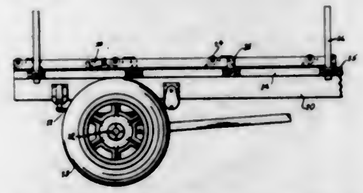
1. A bearing box structure having a bushing for lining the crown portion of the bearing, an adjustable tapered bushing member serving as a lining for one of the sides of said bearing, and adjusting means operative to shift said adjustable bushing member lengthwise or longitudinally of the bearing to take up the wear thereon.

1,505,198. METERING DEVICE FOR RECEIVING STATIONS. CLINTON W. HOUGH, Boonville, N. Y., assignor, by mesne assignments, to Wired Radio Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 19, 1922. Serial No. 589,061. 2 Claims. (Cl. 179—7.)



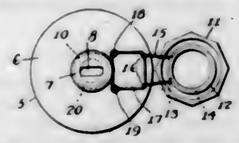
1. In combination, an instrumentality for receiving and detecting high frequency signaling waves, said instrumentality including a thermionic detector having an electrically heated cathode element, a meter for recording the duration of operation of said instrumentality, an electromagnet for controlling the operation of said meter, and a circuit and source of current common to said cathode element and said electromagnet whereby said electromagnet is maintained energized when and only when said cathode element is energized.

1,505,199. ROLL-BED ATTACHMENT FOR TRUCKS. RALPH E. HOWLAND and LEE E. UTTER, Nashotah, Wis. Filed Jan. 30, 1922. Serial No. 532,905. 6 Claims. (Cl. 214—84.)



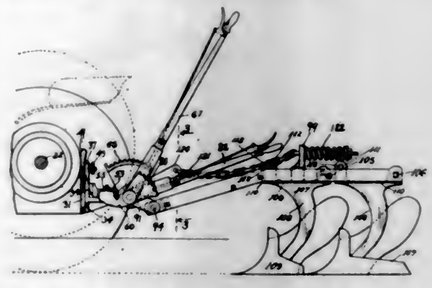
1. A roll bed attachment for vehicles adapted to be removably and interchangeably mounted upon a truck body or upon wagon bolsters, said attachment comprising a skeleton frame, rollers journaled therein, means carried by said frame for engaging a truck body of ordinary construction, and positioning members adjustably and removably carried by the frame for engaging wagon bolsters to retain the frame in position thereon.

1,505,200. REMOVABLE-CAP ATTACHMENT. GEORGE W. ITTNER, St. Louis, Mo., assignor of one-half to John B. Hulett, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,947. 4 Claims. (Cl. 221—60.)



1. The combination with a part to be covered, of a cap therefor, and flexible means for loosely attaching said cap to said part, comprising a plurality of link members transversely hinged in spaced relationship to both part and cap with the end members rotatably secured to each, whereby said cap may have a bodily movement to and from said part only in a plane substantially coincident with the axes of the cap and part.

1,505,201. TRACTOR HITCH. OLIVER W. JOHNSON, Geneva, Ohio. Filed June 9, 1923. Serial No. 644,301. 39 Claims. (Cl. 280—33.12.)

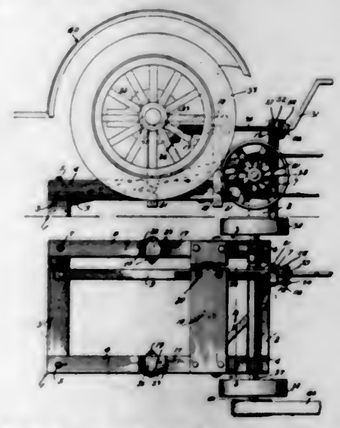


1. In a tractor hitch, a member adapted for rigid attachment to the differential gear casing of a tractor, said member having a vertical face and a central horizontal pivot member, a second member pivoted to said first member about such pivot in engagement with said vertical face and carrying a draw bar, and an implement frame pivoted to said draw bar for vertical adjustment relative to said draw bar.

1,505,202. RECOVERY OF MAGNESIUM COMPOUNDS FROM BRINES. EDWARD K. JUDD, Palisade, N. J., assignor of one-third to Alfred M. Thomsen, Alameda, Calif., and one-third to Emerson W. Judd, New York, N. Y. Filed Dec. 12, 1922. Serial No. 606,531. 8 Claims. (Cl. 23—13.)

1. The process of recovering magnesium hydroxide from brines by adding thereto a clarified solution of calcium hydroxide.

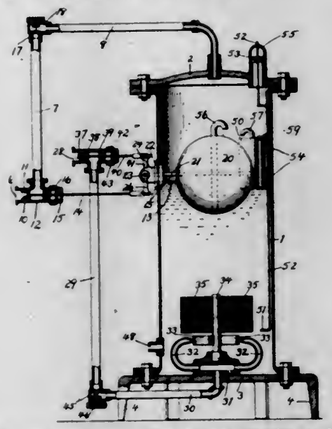
1,505,203. AUTOMOBILE JACK. JOHN HENRY KERSHNER, Norton, Kans. Filed May 11, 1923. Serial No. 638,303. 1 Claim. (Cl. 254—91.)



In a device of the class described, a base frame; a support located thereabove; radius arms pivoted to the frame and to the support; a nut mounted to rock on the support; a screw threaded into the nut; means for

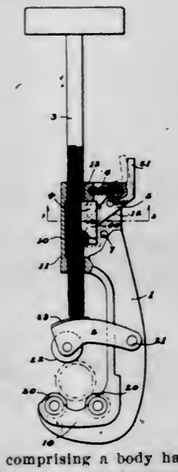
mounting the screw on the base frame for rotation and for vertical swinging movement, said means cooperating with the base frame to limit the longitudinal movement of the screw, the screw constituting means for carrying the support rearwardly.

1,505,204. CARBONATOR. THOMAS J. KIERNAN, Arlington, Mass. Filed Mar. 16, 1922. Serial No. 544,275. 5 Claims. (Cl. 261—93.)



3. A carbonator comprising a tank having a liquid inlet, a gas inlet and a liquid outlet, means for controlling the supply of liquid and gas to the tank, said means consisting of a valve in the liquid inlet, a valve in the gas inlet, a float in the tank, connections between the valves and the float, whereby when one valve is open the other valve is closed, a check valve to prevent liquid from passing into the tank when charged liquid is withdrawn therefrom, a vent, a valve for closing the vent, a float for opening the vent control valve when the charged liquid has been withdrawn from the tank to a predetermined point to permit a fresh supply of liquid to pass into the tank, said float operating to close the vent control valve when the liquid has reached a predetermined level in the tank.

1,505,205. PIPE CUTTER. DAVID KILGOUR, Jr., Seattle, Wash. Filed Apr. 25, 1923. Serial No. 634,469. 4 Claims. (Cl. 81—192.)

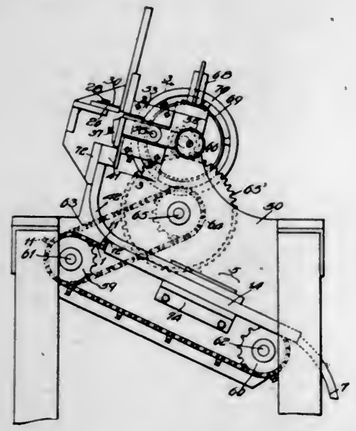


1. A pipe cutter comprising a body having a fixed jaw adapted to act as an abutment to support the pipe, an arm pivoted upon said body, a cutter carried by said arm, a threaded handle bar guided in said body to have a thrust bearing upon said pivoted arm, a locking block threaded complementally to and engageable with the threaded part of the handle bar, a lever pivoted upon the body and to said locking block in an angular position to act as a thrust abutment to hold the block in engagement with the handle bar by the backward thrust of said bar and a spring acting to normally hold said locking block in engagement with the handle bar.

1,505,206. PLASTIC COMPOSITION AND METHOD OF PREPARING SAME. HUGH KNIGHT, Riverside, Calif. Filed Dec. 10, 1921. Serial No. 521,355. 3 Claims. (Cl. 106—31.)

1. The process of making a plastic composition which consists in heating a residual hydrocarbon to melting point, adding thereto metallic oxides previously heated to 100° C., then adding earthy substances previously heated to about 100° C., agitating the mass continually and finally subjecting the entire mass to a temperature of from 300° C. to 350° C. to bring about a reaction of the oxides with the hydrogen of the hydrocarbon.

1,505,207. MACHINE FOR MAKING REENFORCING GIRTHS. ALBERT S. KUX, Chicago, Ill., and ARTHUR G. G. GUENTHER, Grand Junction, Colo., assignors to Signode System, Incorporated, Chicago, Ill., a Corporation of Delaware. Filed June 21, 1920. Serial No. 390,585. 15 Claims. (Cl. 153—2.)

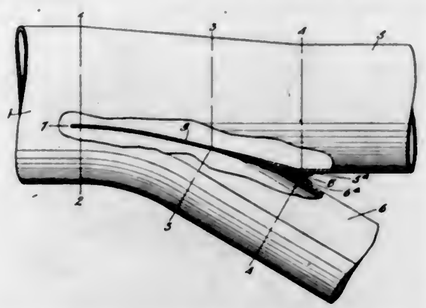


1. A machine of the class described comprising in combination, forming devices for forming reenforcing girths, means to carry the girth material successively to said forming devices, severing means for severing a strip of girth material into sections each adapted to form a single girth, means for causing a gravity feed of the girth material to said severing means, and means for transferring the severed sections of girth material successively to the carrying means to be carried thereby to the forming devices.

1,505,208. BRANCH OR Y-PIPE STRUCTURE. CHESTER W. LARNER, Philadelphia, Pa. Filed Oct. 1, 1923. Serial No. 665,774. 14 Claims. (Cl. 137—75.)

1. A branch pipe construction comprising a bifurcated hollow body portion having end main and branch parts internally of unequal cross-section and fastened together at their meeting edges and having an internally arranged

tie-means and being on each side of said means internally of progressively changing arcuate unequal cross-sections



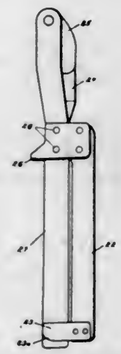
intersecting along the tie-means and merging into the unequal cross-sections of the main and branch parts, substantially as described.

1,505,209. RADIUM-CARRYING DEVICE. FRANCIS I. LEACH and ALBERT A. LEACH, Tyrone, N. Mex. Filed May 12, 1922. Serial No. 560,480. 3 Claims. (Cl. 167—7.)



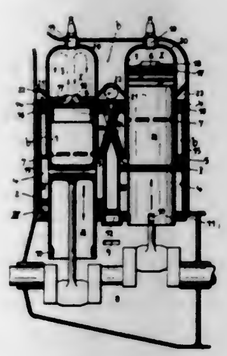
3. A device for use in discharging gaseous radium emanations from radio active substances into water, comprising a relatively shallow container of a non-corrodible material having one side closed and the free edges of the open side inturned, a block of inert porous material retained within the container with its exposed face of a character to permit the free outward discharge of the gaseous radium emanations, and a radio active substance held within the block beneath the exposed face thereof.

1,505,210. TRUING TOOL. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 17, 1923. Serial No. 613,104. 6 Claims. (Cl. 153—32.)



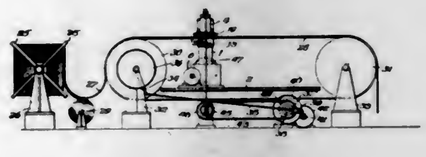
1. In a device for truing fins, the combination with operating means, of members attached to said means, said members providing substantially plane surfaces adapted to engage simultaneously upon opposite sides of a fin in order to render the fin substantially plane.

1,505,211. INTERNAL-COMBUSTION ENGINE. JOSEF LORBACH, Berlin-Friedenau, Germany. Filed Jan. 6, 1921. Serial No. 435,504. 4 Claims. (Cl. 123—59.) Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A two-stroke cycle internal combustion engine, comprising in combination, two cylinders having air and fuel ports therein, flanged differential area pistons adapted to compress air for scavenging and combustion, cross-connections whereby the air compression space of each cylinder is connected to the combustion chamber of the other cylinder, means whereby the flange of each piston operates to pump fuel into the combustion chamber of the cylinder appertaining to said piston, and a nozzle on each piston, communicating by means of ducts with the sides of the piston, whereby the air and the fuel are injected into the combustion chamber when said ducts register with the respective ports of the cylinder.

1,505,212. STOCK-CUTTING APPARATUS AND METHODS. FRANK J. MACDONALD, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 4, 1918. Serial No. 265,305. 32 Claims. (Cl. 164—20.)

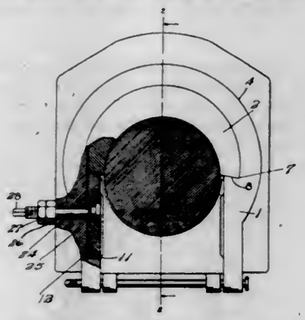


1. The method of cutting sheet rubber or similar material, comprising the steps of bringing said material into contact with a cutting die, and while one surface thereof is held against the die, exerting progressive pressure against the opposite surface of the material.

1,505,213. REMOVABLE CROWN-BRASS-LOCKING DEVICE. LOUIS V. MALLORY and ROBB F. BEST, Kansas City, Mo. Filed June 5, 1922. Serial No. 566,180. 5 Claims. (Cl. 64—42.)

1. In combination a journal box having a shoulder, a crown brass having one edge resting on the shoulder,

a seat in the journal box, a pair of toggle levers, one of which rests in the seat and the other of which is



adapted to engage an edge of the crown brass and means for operating the toggle levers to hold the crown brass rigidly with respect to the journal box.

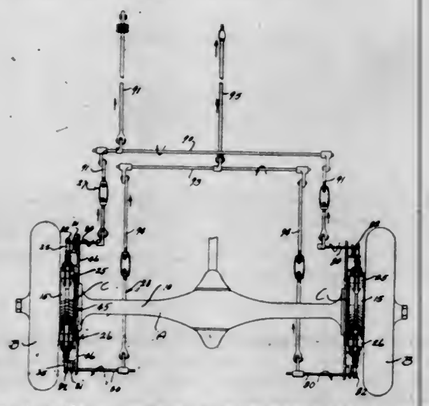
1,505,214. CORE COATING. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Dec. 26, 1922. Serial No. 609,146. 2 Claims. (Cl. 22—189.)

1. An insulating refractory wash for coating dry sand cores consisting of a small quantity of light magnesium oxide powder suspended in water containing a small quantity of glutrin.

1,505,215. METHOD OF INSULATING PIPES. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Apr. 5, 1923. Serial No. 630,165. 3 Claims. (Cl. 91—70.)

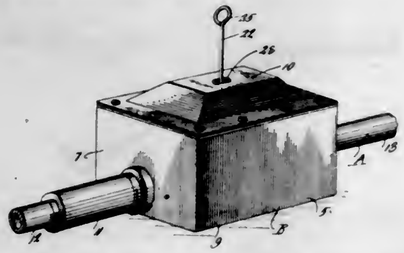
3. The method of insulating a metallic surface against the flow of heat which consists in first mixing an insulating powder in water containing a little heat-resisting binder in solution, then cleaning the metallic surface, then heating the metallic surface above the boiling point of water, then painting the cleaned and heated metallic surface with the said insulating wash whereby a thin adherent insulating coating is applied, again heating the metallic surface and repeating the painting process until an insulating lining of the desired thickness is obtained.

1,505,216. BRAKE CONSTRUCTION. JOSEPH A. MYRICK, Marion, N. C. Filed May 7, 1923. Serial No. 637,336. 14 Claims. (Cl. 188—70.)



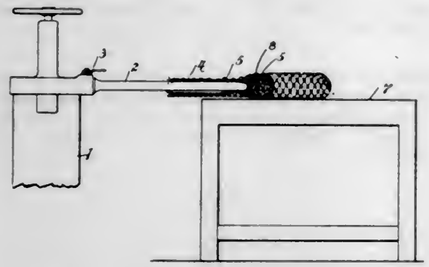
5. A brake comprising a brake wheel having a circumferential groove therein, a brake shoe construction including a pair of sections lying in the groove at opposite sides thereof, and operating means between said sections for laterally expanding the same into engagement with the sides of said groove.

1,505,217. PRESSURE REGULATOR. LOYD C. POWELL, Cushing, Okla. Filed Dec. 17, 1923. Serial No. 681,287. 2 Claims. (Cl. 67—115.)



1. A device of the class described, a casing having a diaphragm in the same, a valve sleeve communicating with one end of the casing, an inlet pipe communicating with the outer end of the valve sleeve, an outlet pipe communicating with the opposite end of the casing, a valve seat in the valve sleeve, a valve adapted to fit upon the seat, a valve rod extending through the sleeve and into the casing attached to said valve, spring means coiled about said rod for normally holding the valve on its seat, a disk head carried by the inner end of the rod, a bell crank pivoted at its angle in the casing having an operating head formed on one end thereof for engaging the disk head of the valve rod, and an operating rod connected with said diaphragm and with the opposite end of the bell crank.

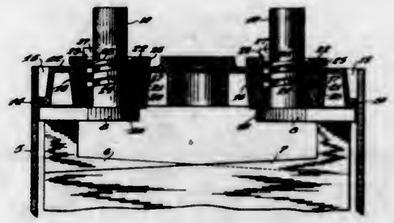
1,505,218. METHOD OF STUFFING SAUSAGE CASINGS. LAURENCE SARTORE, Pittsburgh, Pa. Filed Mar. 26, 1924. Serial No. 701,889. 7 Claims. (Cl. 17—45.)



1. The method of stuffing sausages which consists in surrounding a sausage casing closed at one end with a reticulated fabric, and delivering the filling of the sausage toward the closed end of the casing.

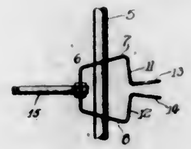
1,505,219. ELECTRIC STORAGE BATTERY. ALBERT SETZER, Providence, R. I. Filed Jan. 17, 1922. Serial No. 529,920. 3 Claims. (Cl. 204—29.)

1. In a battery cell, the combination with the electrodes thereof having relatively broad flat connecting straps extending horizontally thereabove with terminal-posts projecting upwardly therefrom, of a cover overlying the straps with its bottom resting thereagainst, said cover provided with recesses on its top having central openings through which the posts on the straps project, compressible gaskets surrounding the posts within the recesses of the cover, means adjustable on the posts to compress the gaskets within the recesses to seal the



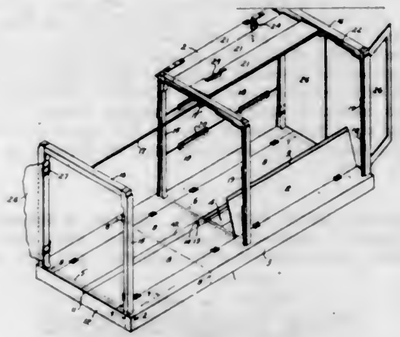
joints between the posts and cover, and means to positively lock said compression-means in adjusted position to prevent release of the gaskets under the effect of shock and strain.

1,505,220. SPRING CLAMP. RALPH R. SHAY, Park Ridge, Ill., assignor to Chicago Apparatus Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1923. Serial No. 668,272. 2 Claims. (Cl. 24—243.)



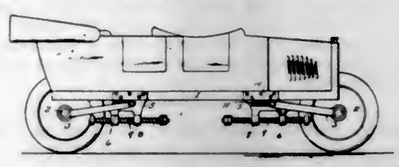
2. A support for laboratory utensils comprising a rod and a spring clamp having two arms with holes thru which the rods extends, the free ends of the arms having finger pieces offset inwardly toward each other from the free ends of the arms and adapted to stop against each other to prevent excessive bending of the arms, and a pin projecting outwardly from the clamp and adapted to support a laboratory utensil.

1,505,221. COLLAPSIBLE STRUCTURE. JOHN J. SHEA, Elmhurst, N. Y. Filed May 13, 1921. Serial No. 469,084. 27 Claims. (Cl. 217—43.)



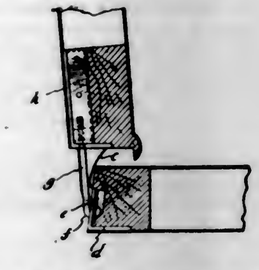
1. In a collapsible structure, in combination, a base unit, a superstructure having posts adapted to be detachably secured to said base unit, a brace adapted to detachably engage adjacent posts, and slats detachably engaging said posts.

1,505,222. VEHICLE SPRING. SUMNER S. SHEARS, Brooklyn, N. Y. Filed Apr. 6, 1920. Serial No. 371,677. 5 Claims. (Cl. 267—20.)



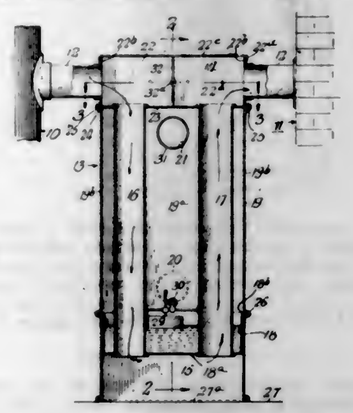
1. In vehicle springs, the combination with a vehicle frame, of levers carried at the end of the frame, buffers at the pivots of the levers, axles at the ends of the levers, brackets depending from the frame, arms depending from the levers, resilient means between the arms and the brackets to limit the swing of the levers and means for adjusting the resilient means.

1,505,223. DOORCHECK. EMORY GLENN SIMPSON, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Dec. 21, 1921. Serial No. 523,831. 7 Claims. (Cl. 16—82.)



1. A door check, having in combination, a post fixture, a door fixture, and a rod provided with a non-rotatable nut on one end slidable in one fixture against an abutment and having a swiveling connection removably secured in the other fixture.

1,505,224. HEATING AND VAPORIZING AUXILIARY FOR FURNACES. HARRISON H. SOUTHWORTH, Evanston, Ill. Filed Feb. 23, 1924. Serial No. 694,562. 11 Claims. (Cl. 126—113.)



1. A heating and vaporizing auxiliary for furnaces, comprising a hollow header, vertical flue pipes, one leading from and one returning to said header, an open

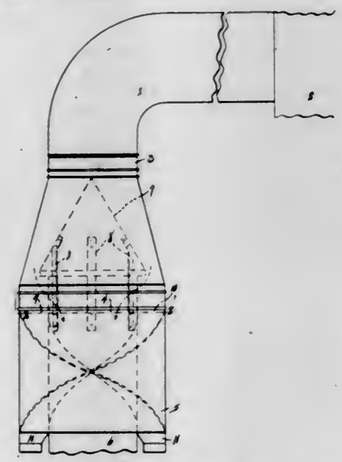
top water pan through which said flue pipes extend, means providing a vertical return bend connecting the bottom ends of said flue pipes below said pan, one part of said means being the bottom wall of said pan, a jacket enclosing said flue pipes and pan, a cold air conduit leading into said jacket in the neighborhood of said pan, and a warm air conduit leading from said jacket at a point above said tank.

1,505,225. TRUSS. PETER SPECK, St. Louis, Mo. Filed Jan. 11, 1923. Serial No. 612,020. 2 Claims. (Cl. 128—115.)



1. A truss pad, composed of an aluminum body having an open oval concavity in the side that bears against the body of the wearer, and an oval flange surrounding said open concavity and having a comparatively wide surface to bear against the body of the wearer, and said aluminum body having a slot therethrough transversely of the longitudinal axis of the open oval concavity.

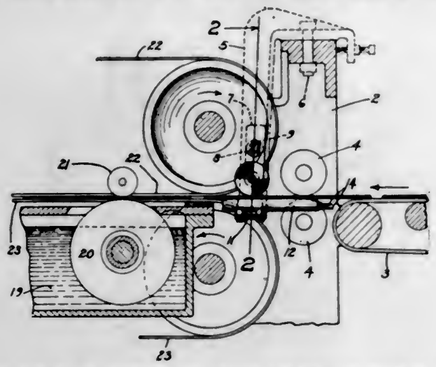
1,505,226. SAND EXTRACTOR. GROVER C. STACEY, Dallas, Tex. Filed Sept. 11, 1923. Serial No. 662,154. 6 Claims. (Cl. 19—77.)



1. A device for extracting sand from a suction line comprising a suction pipe in sections spaced apart, a larger pipe surrounding and forming a sand pocket with one section and tapering to and connected to the other section, and a deflector positioned within said tapering section for throwing the sand into said pocket.

1,505,227. MEANS FOR SOFTENING A CARTON-BLANK SURFACE. EDWIN G. STAUDE, Minneapolis, Minn. Filed Nov. 9, 1922. Serial No. 599,882. 5 Claims. (Cl. 93—2.)

1. In combination with means for feeding a flexible carton or container stock preparatory to applying an adhesive thereto, a bracket, a heating means supported by said bracket and over which the carton blank is fed,



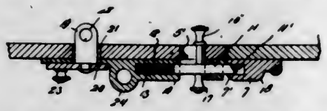
and means for pressing the carton against the surface of said heating means.

1,505,228. ELECTRIC SWITCH AND LAMP SOCKET. FREDRICH STEHRER, Baltimore, Md. Filed Aug. 31, 1921. Serial No. 497,136. 1 Claim. (Cl. 173—344.)



A lamp socket comprising a pair of upper and lower spaced screw shells of conducting material, a plug of insulation material closing one end of the upper shell, a contact associated with said plug, a centrally apertured spider spanning the other end of said upper shell and in electrical contact therewith, a disk of insulation material closing the last named end of said shell, a second disk of insulation material closing the adjacent end of the lower shell and spaced from the first named disk, spacing brackets arranged between said disks, fasteners passing through said disks and connecting the second named disk therewith and the first-named disk with the aforesaid spider, a switch-contact carried by said second named disk, other fastenings securing said lower shell with said last named lower disk, said other fastenings being in electrical contact with said switch-contact, a spring-pressed circuit closing arm pivoted intermediate its ends on one of the aforesaid spacing-brackets and engageable with said switch-contact, and a rod of conducting material connected with the first named contact on said upper shell and passing through the aperture in said spider, both of said disks and into the interior of said lower shell.

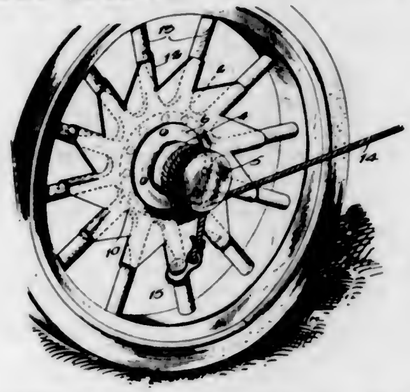
1,505,229. DOOR FASTENER. ROBERT A. STONE and ROBERT H. BASHAM, Columbus, Ohio. Filed June 19, 1923. Serial No. 646,316. 2 Claims. (Cl. 292—283.)



1. In a fastener for doors including a sliding bolt mounted upon the door adjacent one edge of the door frame, a bolt keeper upon the door frame, means for actuating the bolt from either within or without the

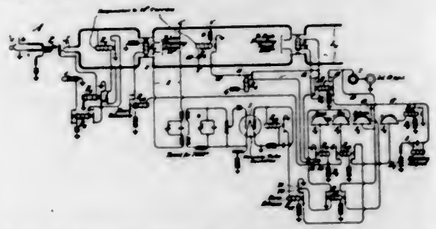
building, a swinging hasp secured to said keeper and adapted for positioning over said bolt, and means for permitting of the securing of the hasp in a position over said bolt from either within or without the said building.

1,505,230. WINDLASS ATTACHMENT FOR AUTOMOBILE WHEELS. JOHN FRANK TAYLOR, Charleston, S. C. Filed Aug. 6, 1923. Serial No. 656,031. 1 Claim. (Cl. 242—95.)



In a windlass attachment for a driving wheel of an automobile; a hollow drum open at one end, said drum having an outwardly extending flange at its open end and being adapted to enclose the outwardly extending hub portion of the wheel, and a plate secured flatwise against the outer face of said flange and having an opening in register with the bore of the hollow drum, said opening in the plate being of sufficient size to permit the extending end portion of the hub to be projected therethrough, said plate being substantially circular in configuration and having spaced laterally struck portions at its outer edge curved to engage with spokes of the wheel.

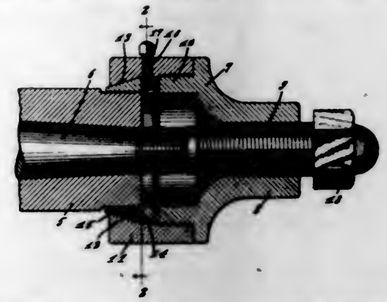
1,505,231. SIGNAL SYSTEM. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,822. 9 Claims. (Cl. 179—43.)



9. In a signaling system, the combination of a transmission line, a source of signaling current of voice frequency, and means responsive to current of a different frequency for automatically controlling the period of application of said signaling current to the said line.

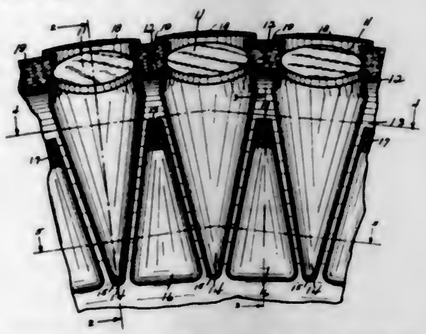
1,505,232. WHEEL PULLER. NICHOLAS W. TRAUTNER, St. Paul, Minn. Filed Aug. 2, 1923. Serial No. 655,334. 3 Claims. (Cl. 29—85.)

1. In a device of the character described, a body portion having an extension formed with a threaded opening, said body portion having a threaded extension at its opposite end, a removable pulling ring positioned on the threaded extension of the body portion, said ring having an inclined inner wall, a sectional gripping ring having inclined outer surfaces engaging the inclined inner wall



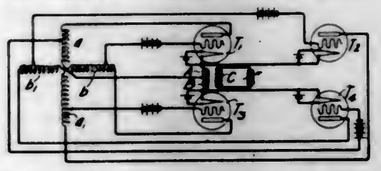
of the pulling ring, means for connecting the pulling ring to the sectional ring to cause the sectional ring to rotate with the pulling ring, and a pressure bolt extending through the threaded opening of the body portion.

1,505,233. RUT GUARD. CHASE W. WOLFE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1922. Serial No. 594,219. 4 Claims. (Cl. 152—14.)



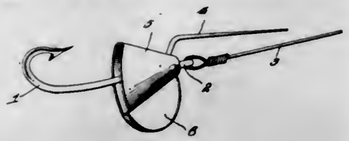
1. A tire provided on each side with a plurality of projections extending radially inwardly from the tread portion thereof and with a plurality of interpositioned projections extending radially outward from a zone on the tire radially inwardly from the tread thereof.

1,505,234. VACUUM-TUBE FREQUENCY CONVERTER. MILTON K. AKERS, Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1920. Serial No. 431,57.. 11 Claims. (Cl. 172—281.)



1. The method of frequency conversion which comprises utilizing an alternating E. M. F. to establish unidirectional discharge current, and variably impeding said discharge current in accordance with a second alternating E. M. F. of the same frequency as the first but of different phase.

1,505,235. HOOK. WEST D. ARCHER, Coconut Grove, Fla. Filed June 15, 1923. Serial No. 645,676. 3 Claims. (Cl. 43—27.)

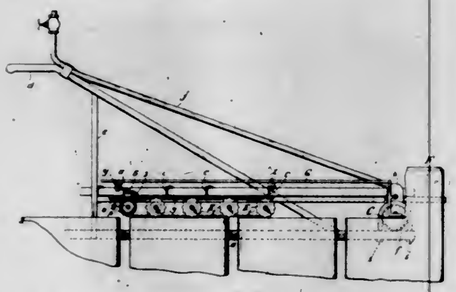


2. A trolling hook having its shank, adjacent to its eye formed with an outwardly rounded bait receiving finger, a cone-shaped guard which is elliptical in cross section and which has both ends open received on the shank of the hook and receiving the finger therethrough.

1,505,236. MANUFACTURE OF LEAVENED BREAD. LORIN H. BAILEY, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed May 7, 1924. Serial No. 711,543. 1 Claim. (Cl. 99—10.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

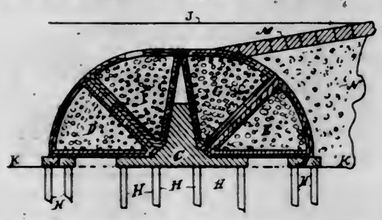
In the manufacture of leavened bread the step of incorporating cocoa in the dough batch to act as a flavoring agent and to improve the keeping qualities of the bread.

1,505,237. PILE-CUTTING SAW. JOHN P. BALL, Chicago, Ill. Filed Sept. 22, 1922. Serial No. 589,003. 6 Claims. (Cl. 143—68.)



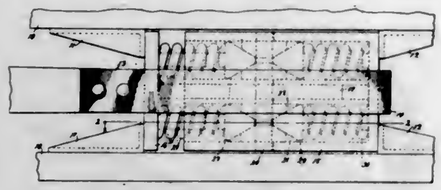
1. A pile-cutting saw, comprising a frame adapted to be disposed across the piling, power-imparting means mounted on said frame and provided with a reciprocating piston, a saw-blade secured to the piston so as to reciprocate therewith, guiding members for controlling said frame, and means mounted intermediate of the sides of the frame and operatively connected with the piston whereby the frame is fed forward while the saw-blade is operated.

1,505,238. BREAKWATER-WALL CONSTRUCTION. JOHN P. BALL, Chicago, Ill. Filed Dec. 13, 1922. Serial No. 606,663. 4 Claims. (Cl. 61—4.)



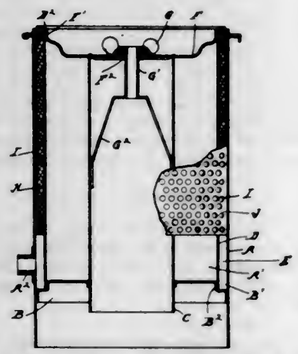
1. In break-water wall construction, a submerged wall consisting of individual units placed in superposed relation, the lower units of said wall being supporting members for a series of wedge-shaped hollow concrete blocks, keying into each other so as to form an arch upper surface, openings in said hollow blocks through which the blocks may be filled with foreign matter subsequent to the positioning of said blocks in place.

1,505,239. DRAFT GEAR. HARRY BARNARD, Chicago, Ill., assignor to Union Draft Gear Co., a Corporation of Illinois. Filed Feb. 10, 1922. Serial No. 535,462. 9 Claims. (Cl. 213—22.)



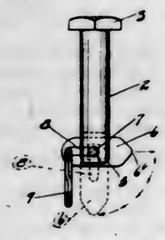
1. In a draft gear, in combination, a casing having a closed end, a friction plate movable on the longitudinal median plane of the casing, a pair of plates frictionally engageable with the opposite faces of the first-named plate, means for preventing relative longitudinal movement of the pair of plates and the casing, and means including springs at each end of said casing for pressing the pair of plates against the central plate.

1,505,240. WICK BURNER. FREDERICK F. BENNETT, Ypsilanti, Mich. Filed July 23, 1923. Serial No. 653,265. 14 Claims. (Cl. 158—74.)



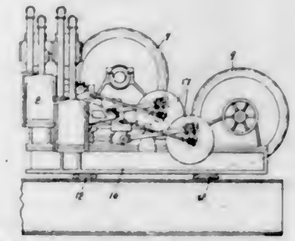
1. In a wick burner, the combination of an outer casing, an annular wick within said casing, and an inner guide for said wick removably clamped to said casing.

1,505,241. LOCKING ATTACHMENT. WILLIAM O. BERRY, Caro, Mich. Filed Sept. 23, 1922. Serial No. 590,127. 2 Claims. (Cl. 85—3.)



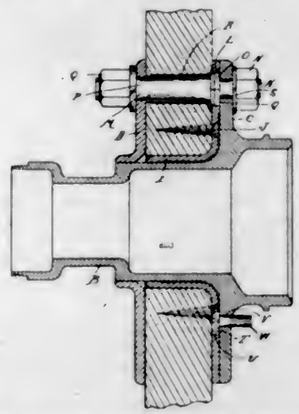
1. The combination with a bolt having a forked end, of a key having an elongated slot in one end thereof and a rivet passing through said slot and connecting the bifurcations of the fork, said slot permitting longitudinal movement of the key to allow it to drop to vertical position, and means engaging the slot when the key is in locked position for preventing movement thereof to the unlocked position.

1,505,242. LOGGING MECHANISM. OSCAR B. BJORGE, Portland, Oreg., assignor, by mesne assignments, to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Aug. 20, 1923. Serial No. 658,376. 7 Claims. (Cl. 254—185.)



1. In a logging mechanism, the combination with a platform, of a skidding engine rigidly mounted thereon, and a loading engine pivotally mounted on said platform, the winding drums of said skidding and loading engines being arranged transversely of the longitudinal axis of the platform, and said loading engine being pivoted along an axis parallel to said longitudinal axis.

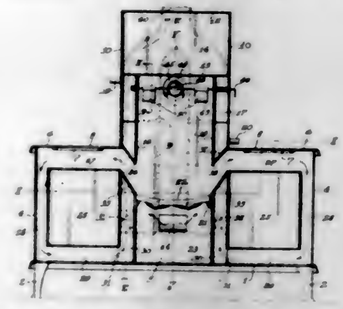
1,505,243. DEMOUNTABLE WHEEL. WILLIAM N. BOOTH, Detroit, Mich. Filed June 29, 1917. Serial No. 177,687. 6 Claims. (Cl. 301—9.)



1. The combination with the hub of a vehicle wheel of the non-demountable type, said hub having a spoke-clamping flange and a detachable spoke-clamping flange adapted to be bolted thereto, of a series of replacement studs having threaded inner and outer ends, the former engaging the bolt apertures in the hub flange and provided with a shoulder for abutting against said flange, nuts for clamping said studs to said flange, nuts for engaging the outer ends of the studs and clamping the detachable flange to the spokes, a bushing for the wheel adapted to sleeve upon the hub, and means on said bushing engaging said studs to lock the same from rotation.

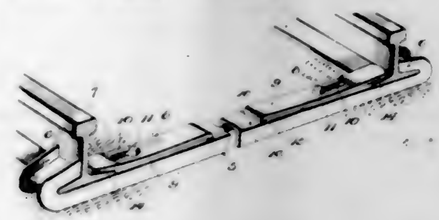
1,505,244. COOKING RANGE. ALBERT A. BRUDER, Holly, Mich. Filed June 3, 1922. Serial No. 565,681. 11 Claims. (Cl. 126—1.)

1. A cooking range comprising end cooking tops, a baking oven under each cooking top, a combustion chamber between said cooking tops and ovens, a grate in said combustion chamber, a casing having exhaust flues, and a down flue with the down flue communicating with the combustion chamber at a point beneath said grate, and means



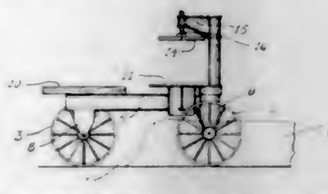
extending across said combustion chamber into the down flue of said casing adapted to produce a siphonic action to withdraw smoke and gases from the top of said combustion chamber and deliver the smoke and gases to the bottom of said combustion chamber.

1,505,245. RAIL FASTENER. JULIUS STONE CHRISTMAS, Charleston, W. Va. Filed Mar. 12, 1924. Serial No. 698,794. 6 Claims. (Cl. 238—61.)



1. A rail fastener for use in securing a rail to a tie and including a spring locking bar slidably and rotatably connected to the tie, said bar being flexed longitudinally in the assembly and having one end engaged with the rail, and interengaging means between the opposite end of the locking bar and the tie.

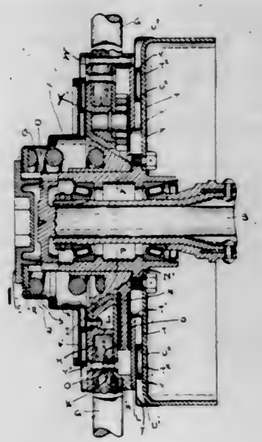
1,505,246. MOLDING MACHINE. ERNEST H. EKSTEDT, East St. Louis, Ill. Filed Oct. 4, 1922. Serial No. 592,302. 2 Claims. (Cl. 22—26.)



1. A molding machine, comprising a transverse bar having depending end portions, a traction wheel mounted on each depending portion, a longitudinal bar extending from one end of the transverse bar and forming with the latter a right angle frame, the forward free end of the longitudinal bar having a depending portion, a traction wheel supported on the last mentioned depending portion, a table supported on the frame at the juncture of the transverse and longitudinal bars, a second table adjacent the transverse bar, means supported on the transverse bar to elevate the second mentioned table, a rotatable

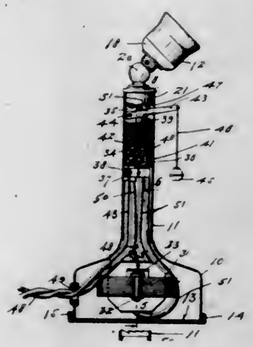
standard extending up from the transverse bar and provided with an arm, a platen mounted at the end of the arm, and means for raising and lowering the platen toward and from the second mentioned table.

1,505,247. RESILIENT WHEEL. FRANK V. ELBERTZ and GIUSEPPE FERRARI, Detroit, Mich.; said Elbertz assignor to said Ferrari. Filed Feb. 6, 1922. Serial No. 534,414. 13 Claims. (Cl. 152—45.)



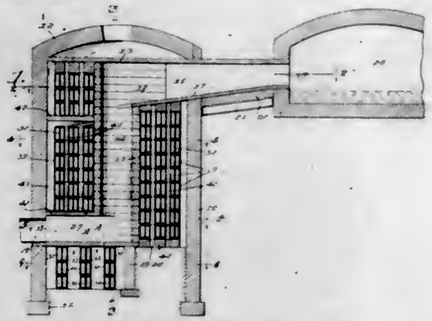
8. In a wheel, the combination with a hub, of a flange extending radially outward therefrom, an annular outer wheel member universally radially displaceable with respect to said hub and provided with spaced bearing plates for engaging said flange, said flange having a slot formed therein, a driving pin movable in the slot in said flange, a roller surrounding said pin and engageable with the sides of said slot, and anti-friction bearings between said roller and pin.

1,505,248. ELECTRIC CIGAR LIGHTER. VICTOR E. EXTROM, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 553,869. 5 Claims. (Cl. 219—32.)



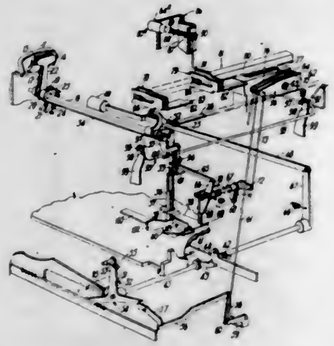
3. The combination with a standard having a hollow base and a displaceable cap provided with a holder, of an electric circuit including a heating element in the holder, a transformer in the base, and a normally open switch in the standard.

1,505,249. RECUPERATOR FOR FURNACES. ADAM FELTON and EDWARD H. KLEMROTH, Muncie, Ind. Filed Feb. 8, 1922. Serial No. 534,976. 20 Claims. (Cl. 263—20.)



1. A recuperator of the character described having helical air flues, and means for directing products of combustion around said air flues in a direction reverse to the direction of movement of the air in said flues.

1,505,250. COMBINED TYPEWRITING AND COMPUTING MACHINE. EWELL E. FOWLER, East Point, Ga., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 27, 1923. Serial No. 634,966. 5 Claims. (Cl. 235—60.)

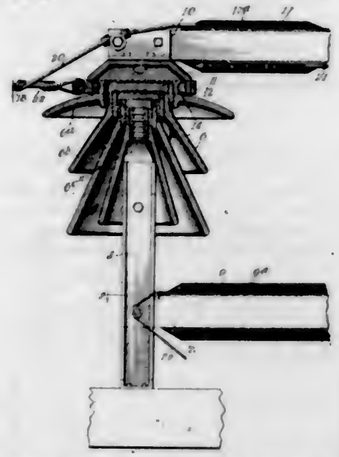


1. In a combined typewriting and computing machine, a keyboard, a traveling carriage to determine computing zones, computing means including state-setting mechanism, bichrome mechanism normally controllable exclusively by said state-setting mechanism, means on the carriage for controlling the state-setting mechanism for different computing zones and for releasing, for certain zones, the bichrome mechanism from the control of the state-setting mechanism, and means for manually releasing the bichrome mechanism from the control of the state-setting mechanism, including a key accessible to an operator at the keyboard, a transverse bail actuable by said key, and an arm on said bail to disconnect the bichrome mechanism from the state-setting mechanism.

1,505,251. FULLER COMPOSITION. ALBERT F. FRENCH, deceased, late of Detroit, Mich., by Mary A. French, administratrix, Detroit, Mich. Filed July 26, 1922. Serial No. 577,745. 3 Claims. (Cl. 134—49.)

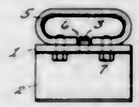
1. A filler composition consisting of graphite, two pounds; fuller's earth, eight pounds; gum thus, one pound; and sufficient turpentine to cut the gum thus and make one gallon of the composition.

1,505,252. COMBINED INSULATOR AND TRANSFORMER. ROYAL E. FRICKEY, Chicago, Ill. Filed Mar. 21, 1918. Serial No. 223,705. 22 Claims. (Cl. 175—356.)



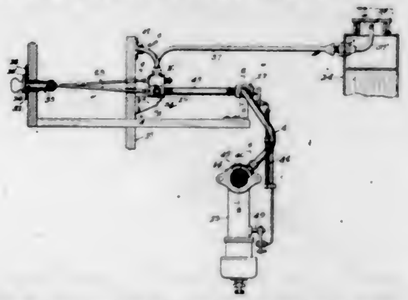
1. A device of the class specified comprising an insulator for mounting electrical conductors thereon and a transformer combined with said insulator, the insulator forming part of the magnetic circuit of the transformer.

1,505,253. HOIST-CABLE GUIDE. CHESTER F. GERNERT, Reading, Pa., assignor to Reading Chain Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 685,979. 2 Claims. (Cl. 254—190.)



1. A guide for hoist cables comprising a vertical body having an angled upper end and a lug formed on its lower end and centrally disposed, in combination with a removable loop member formed with an open space to accommodate the lug, and means for securing the loop member to the body.

1,505,254. VAPORIZER AND AIR-SUPPLY DEVICE. JULIUS F. GOETZ, Hartford, Wis. Filed Feb. 10, 1919. Serial No. 276,107. 2 Claims. (Cl. 123—25.)



1. The combination with an engine having a carbureter, a radiator and an air heater, of a valve structure comprising a mixing chamber provided with two inlet ports and an outlet port, pipes connecting said inlet ports with the radiator and the air heater, respectively, a pipe connecting said outlet port with the carbureter, a valve in said last mentioned pipe, means operatively connecting said valve with the throttle valve of the carbureter, valves controlling said inlet ports, and means operable from a remote point for controlling independently said last mentioned valves, whereby the relative proportions of air and vapor admitted to said mixing chamber may be varied at will and the mixture delivered to the carbureter controlled simultaneously with the movement of the carbureter throttle valve.

1,505,255. HOSE CLAMP. EGBERT H. GOLD, Chicago, Ill. Filed Apr. 30, 1921. Serial No. 465,790. 2 Claims. (Cl. 285—84.)



2. A clamp for fastening a flexible hose to a conduit comprising a pair of arcuate sections, one section provided with a hook like tongue, the inner portion of which bears against the hose and the other section with an opening through which the tongue projects, and with a rounded surface for hinging engagement with said tongue, a lug on each of said sections, and means for drawing said lugs together; the ends of said sections remote from the hinged end being narrower in the direction of the length of the hose than the other portions of said sections forming complementary projections at opposite sides of said sections respectively having arcuate inner surfaces of the same curvature as and continuous with the inner surfaces of the other portions of said sections, which projections overlap each other laterally with their interior circumferential edges in contact, for the purpose described.

1,505,256. SPRING WASHER. ROBERT F. GOLDEN, South Orange, N. J., assignor to The National Lock Washer Company, Newark, N. J., a Corporation of New Jersey. Filed May 8, 1923. Serial No. 637,432. 3 Claims. (Cl. 151—36.)

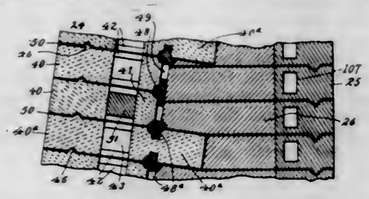


1. A spring-washer of the split-ring type, the inner circumference of which departs from the ultimate plane of compression a distance less than does the outer circumference.

1,505,257. WALL. WALTER GRIFFITHS, City Island, N. Y. Filed Aug. 29, 1923. Serial No. 659,952. 10 Claims. (Cl. 110—1.)

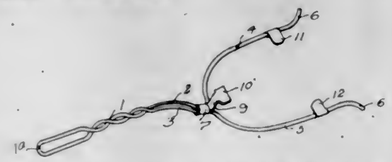
1. A wall, comprising fire-brick, each brick being composed of two brick-bodies which are spaced apart transversely of the length of the brick and connecting members in one piece therewith at the corners of the bodies and extending longitudinally of the length of the brick, one body of each brick, having a rib extending along one side, and

one rib and a groove along the other side and the other end, so that the ribs of each brick will fit into the grooves



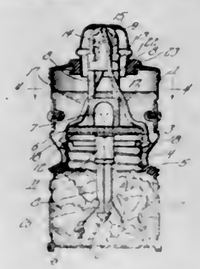
of adjoining bricks, and the spaces within the separate brick communicating to provide an air space along the running dimensions of the wall.

1,505,258. PAN LIFTER. ARTHUR C. HAGEN, Spokane, Wash. Filed Sept. 1, 1923. Serial No. 660,624. 2 Claims. (Cl. 294—33.)



1. A pan lifter comprising a single wire bent to form a handle and terminating in diverging, bow shaped tines, a metal clip embracing the bent portion of the wire at the junction of the handle and tines, an integral arm on said clip, and a flattened, laterally projecting head on said arm.

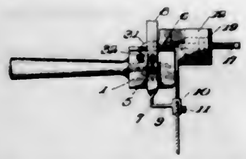
1,505,259. ACETYLENE GENERATOR. AUGIE L. HANSEN, Evanston, Ill., assignor to A. L. Hansen Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed May 22, 1920. Serial No. 383,374. 16 Claims. (Cl. 48—26.)



7. In a gas generator, the combination of an upper liquid receptacle, a lower receptacle, a double tubular member extending centrally of said receptacles, opening at its ends in said lower receptacle, and adjacent the top of said upper receptacle, a closure in the top wall of said upper receptacle, and forming an air chamber surrounding the upper end of said tubular member, and a tubular wick doubled lengthwise and inserted in said member, with its ends extending into said lower receptacle, means supporting the intermediate looped portion of said wick above the upper end of said tubular member, and branch wicks connected with said looped portion and depending into said water receptacle.

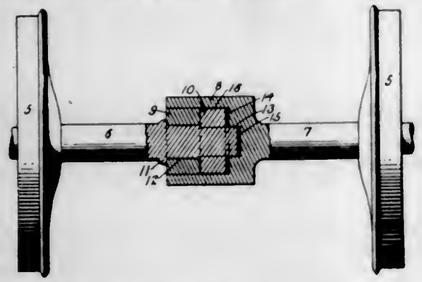
1,505,260. SAW SET. CARL ALFRED HANSON, Portland, Oreg. Filed May 31, 1922. Serial No. 564,928. 20 Claims. (Cl. 76—70.)

1. In combination, a pair of angularly constructed brackets having normally vertical slots therein, U-shaped clamping members on the terminals of the brackets for engagement with a saw blade, a main block adjustable vertically between the brackets by having threaded studs extending from its ends through the slots of the brackets, a hinged block mounted on the main block and provided



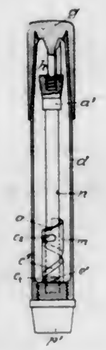
with a tooth receiving recess, and a bore communicating with the recess, a punch including a shank having a piston element intermediate its ends slidably mounted in the bore, and means for limiting the movement of the punch.

1,505,261. AXLE FOR RAILWAY ROLLING STOCK. OLIVER H. HEISTAND, Baltimore, Md. Filed Apr. 17, 1922. Serial No. 553,501. 3 Claims. (Cl. 295—39.)



1. A wheel-axle comprising two sections, one of said sections being formed integrally with a hollow cylindrical end provided with a substantially integral inwardly extending annulus, the other section having a substantially integral collar which cooperates with the said annulus to prevent disconnection of the two sections, said other section being journalled in the first said one of the sections.

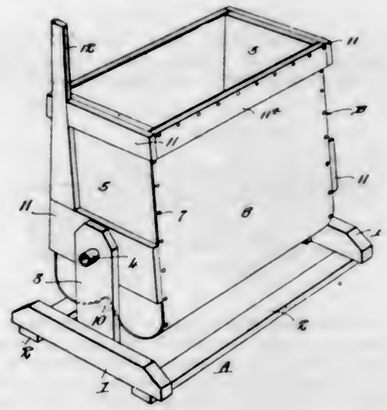
1,505,262. SAFETY FOUNTAIN PEN. WILHELM HENRISCH, Godesberg, Germany. Filed Mar. 10, 1923. Serial No. 624,063. 1 Claim. (Cl. 120—49.)



A safety fountain pen, comprising a barrel having an open end, a nib holder having a feed duct and movable longitudinally in said barrel and adapted to close the same while leaving of the feed duct unobstructed, one of said members having a spiral groove of less pitch at its ends than at the intermediate portion and the other

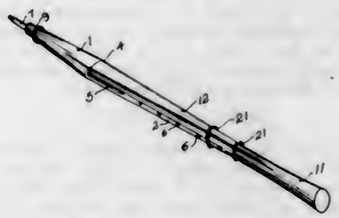
member having a peg projecting into said groove whereby upon rotation of the nib holder relatively to the barrel the nib holder will be reciprocated within the barrel and supported thereby throughout its movement, a cap detachably connected to said nib holder, the connections between the barrel and nib holder and between the nib holder and cap being such that when the nib holder is at its lowermost position, further rotation of the nib holder will draw the cap into closer contact with the open end of the barrel thereby to hermetically seal the same.

1,505,263. CEMENT MIXER. ALBURN O. HEWITT, Terry, Mont. Filed Dec. 6, 1922. Serial No. 605,196. 1 Claim. (Cl. 259—75.)



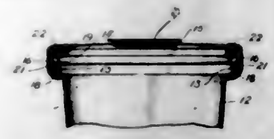
A concrete mixer comprising a frame and a medially and longitudinally ribbed trough, end pieces for the trough cut to correspond in shape to a transverse section through the trough, a single sheet of material bent to form the sides and bottom of the trough and secured to the side and bottom edges of the end pieces, spaced cross pieces carried by each of the end pieces for reinforcing the same, a shaft extending through the lowermost cross pieces and through the end pieces above the rib of the trough and journalled at its ends in the frame whereby to support the trough, the ends of the upper cross pieces disposed to extend past the side edges of the end pieces, and stringers connecting the ends of the upper cross pieces and secured to the top edges of the sheet of material forming the sides and bottom of the trough whereby to reinforce the top edges of the sides of the trough and form a mouth.

1,505,264. LUMBER GAUGE. CARL HILMERSON, Spokane, Wash. Filed May 31, 1922. Serial No. 564,766. 2 Claims. (Cl. 33—111.)



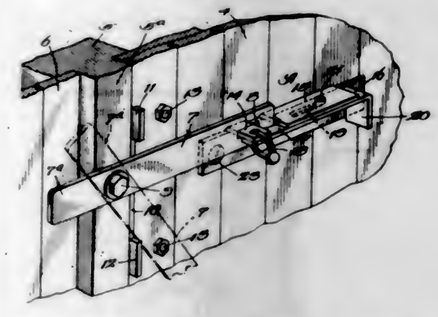
2. The combination in a lumber gauge of a bar having a shoulder and cut out portion forming a flat face, a scale including spaced notches along the edge of said face, a detachable handle portion forming a shield for said scale and provided with a complementary shoulder and flat face, complementary pins and sockets on said bar and handle portion, and a resilient retaining ring for said latter members.

1,505,265. CLOSURE. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 565,986. 4 Claims. (Cl. 220—61.)



1. A closure for nozzles, bottles and the like, comprising a cap having a vertically movable top and locking sides operated thereby adapted under pressure exerted on the top to expand at the sides to permit its removal and upon pressure upon the sides to contract to lock it in place, and removable means for holding the sides in locking position.

1,505,266. CAR-DOOR-LOCKING DEVICE. FRANK JAGER, Chicago, Ill. Filed Dec. 31, 1919. Serial No. 348,695. 1 Claim. (Cl. 268—6.)

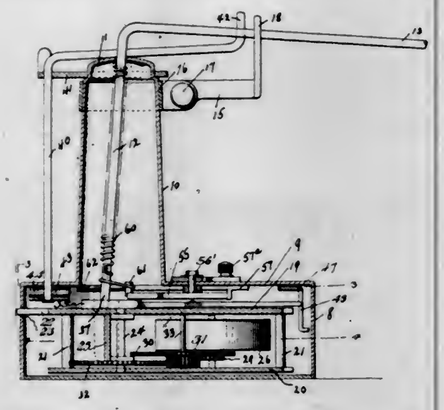


The combination with a door frame, of a sliding door adapted to close the opening provided by said frame, a pair of lugs fixed on said door in vertically spaced relation, and a guiding member loosely fulcrumed on said frame between said lugs in position to engage either of said lugs at will upon swinging movements of the member whereby the door may be moved, said member by reason of the loose fulcrum being capable of passing either lug without engagement therewith.

1,505,267. TALKING-MACHINE REPEATER AND STOP. ESKIL H. JOSEPHSON, Long Island City, N. Y. Filed Dec. 23, 1921. Serial No. 524,389. 3 Claims. (Cl. 274—15.)

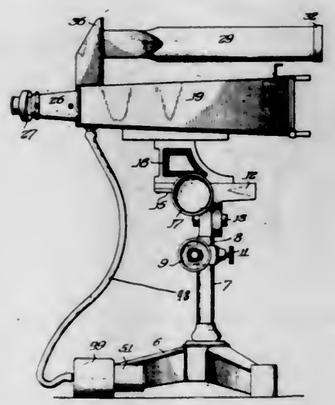
1. The combination with a phonograph including a tone arm and a turn table, of a repeating attachment for the phonograph including a housing disposed adjacent to the turn table including an upstanding hollow casing, a disk rotatably mounted in the housing at the axial center of and below the hollow casing having an eccentrically disposed pocket therein, an L-shaped reproducer engaging rod rotatably and rockably mounted at the upper end of the hollow casing having the lower end thereof ro-

tatably mounted in the pocket, and means for rotating the disk by the turn table after a record has been played, whereby the lower end of the rod will travel a circular



path to cause the raising and tilting of the outer end of the rod to permit the returning of the tone arm to its initial playing position.

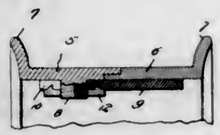
1,505,268. STEREOPHOTOMICROGRAPHIC INSTRUMENT. JOHN DAVID LARSON, Hinsdale, Ill. Filed May 28, 1923. Serial No. 641,887. 9 Claims. (Cl. 95—18.)



1. In an instrument of the character described, the combination of a pair of microscopic lenses, a camera box providing a compartment for each lens, a plate holder for each compartment, a pair of telescope tubes adapted to communicate with their respective lenses, and means for establishing communication between the lenses and said tubes or between the lenses and said compartments at will.

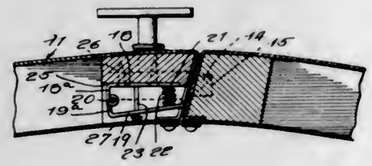
1,505,269. KNOCKDOWN RIM FOR TIRES. JAMES F. MCCAUSLAND, Princeton, N. J. Filed July 17, 1923. Serial No. 652,033. 2 Claims. (Cl. 301—35.)

1. A rim for tires of the class described a pair of half-sections adapted to be positioned together, screw threaded bosses formed upon the inner side of one of said half sections, inwardly extending plate members formed upon the inner side of the other of half-sections, said plates extending beyond the inner edge of said half section



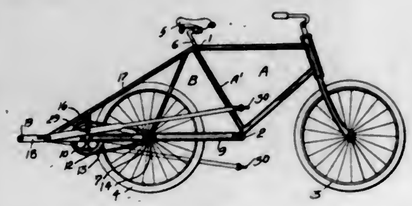
and bifurcated for engagement over said bosses of the other of said half-sections, and nuts adapted to be screwed on to said bosses.

1,505,270. ANTIRATTLER FOR VEHICLE DOORS. ANGELO T. MCCLURG, Bergholz, Ohio. Filed June 2, 1923. Serial No. 643,002. 3 Claims. (Cl. 292—169.)



1. In combination with a door, a post with which the door coacts, and a latch carried by the door and engaged in a recess formed in the post, a plate pivoted to the door at one end and having the free end thereof projecting beyond the free end of the door, and a spring engaging between the door and the plate and abutting the plate intermediate the ends thereof.

1,505,271. BICYCLE. BARTLEY G. MCNEIL, Cranbrook, British Columbia, Canada. Filed Sept. 24, 1923. Serial No. 664,471. 2 Claims. (Cl. 208—19.)

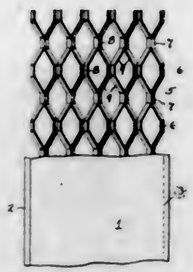


1. The combination with a bicycle frame and the crank axle journaled therein, of a rear extension on the frame having lateral slots and interior guide ways, a tubular slide head in each guide way semi-circular in cross section and a laterally extending bolt on each slide head movable in one of said slots, a lever pivoted on each bolt, a journal bearing for each lever on the crank axle, and pedals on the free ends of said levers.

1,505,272. REENFORCED-RUBBER-COMPOSITION STRIP. JOHN W. MART, Cleveland Heights, Ohio, assignor of one-half to G. Frank Horn, Elyria, Ohio. Filed Feb. 14, 1924. Serial No. 692,836. 4 Claims. (Cl. 154—49.)

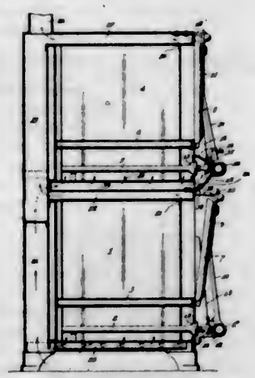
1. A composition flooring strip of substantially rectangular cross section comprising a semi-rigid body formed of rubber compound and having embedded therein a strip

of expanded metal for reinforcing purposes, said expanded metal strip having longitudinal undulations alternately approaching the respective top and bottom



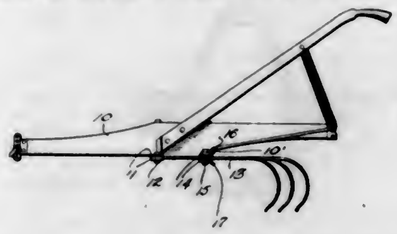
surfaces of said strip at spaced intervals throughout the length thereof and adapted to be elongated in the plane of the flooring.

1,505,273. HOTEL-OVEN CONSTRUCTION. HENRY C. MAUL, Detroit, Mich., assignor to The Michigan Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 19, 1923. Serial No. 633,097. 10 Claims. (Cl. 126—38.)



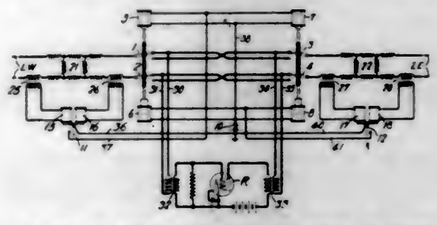
10. In a double oven, one oven above the other, burners for each oven, air mixers on the burners, and a shield to prevent the products of the lower over from interfering with the air intake of the burners of the upper oven, when lower oven door is open.

1,505,274. SPRING-TOOTHED CULTIVATOR. PORTER A. MAYHALL, Haleyville, Ala. Filed Aug. 2, 1922. Serial No. 579,273. 1 Claim. (Cl. 97—175.)



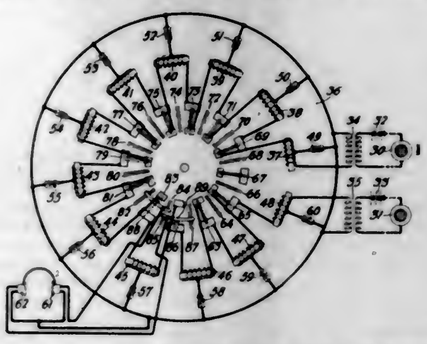
The combination with the beam of a cultivator and its spring teeth, of a pair of superimposed bars secured to and extending from one side of the beam and clamping the forward end of the shank of said spring teeth therebetween, and a second pair of superimposed bars secured to and extending from the same side of the beam rearwardly of the first bars and in parallel relation thereto, said rear bars having the rear portion of the teeth secured therebetween and having their rear longer edges flared away from each other.

1,505,275. OPERATING ALTERNATING-CURRENT RELAYS. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1921. Serial No. 486,040. 31 Claims. (Cl. 178—44.)



1. A line for transmitting electrical energy in opposite directions, means connected to said line between two spaced points in said line for producing a difference between a characteristic of said energy passing one of said points and said characteristic of said energy passing the other of said points, and a relay so connected to said line and said means as to be responsive to each of said opposite directions of flow of said energy in said line in accordance with the direction of flow.

1,505,276. SYSTEM FOR LOCATING THE SOURCE OF SOUND. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,033. 3 Claims. (Cl. 177—386.)

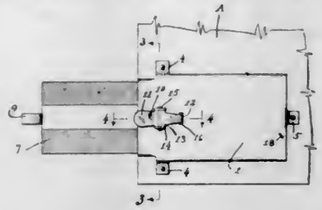


1. In a system for locating the source of sound variations, the combinations of a plurality of transmitting devices, a phase indicating device and an adjustable electrical compensator comprising a plurality of T sections of artificial line, each section composed of a capacity element forming the shank of the T and two windings of an inductance element forming the two branches of the top of the T, and adjustable switching mechanism cooperative with said sections and said indicating device.

1,505,277. SIGNALING DEVICE FOR MAIL BOXES. JOHN L. MORRIS, Roxboro, N. C. Filed Oct. 9, 1923. Serial No. 667,560. 3 Claims. (Cl. 232—34.)

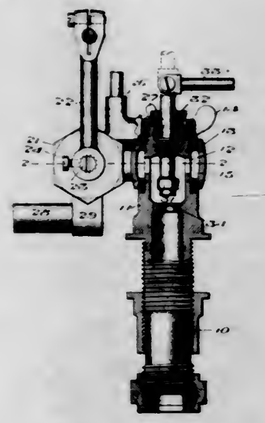
1. In combination with a mail box; of a signal therefor comprising a supporting member, a signaling element slidably mounted thereon, means for limiting the sliding

movement of said signaling element, a spring-forced latch pivotally carried on said supporting member and adapted to be automatically engaged with said signaling element



and hold the latter in its indicating position when the same is moved in one direction, and means for automatically returning the signaling element to its non-indicating position upon manually releasing said latch.

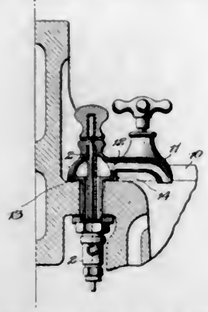
1,505,278. FLUSH VALVE FOR TANKS. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,483. 11 Claims. (Cl. 137—104.)



8. The combination with a valve body, of a pipe having a ported valve-receiving stub, a valve in said stub, operating means for said valve extending outside of said stub, said valve body comprising a valve chamber, a lateral offset passage communicating the chamber with said stub, a valve seat in said chamber, a valve in said chamber adapted to engage said seat, a valve supporting nut removably mounted in the wall of said valve body, said nut having a threaded bore to loosely engage the stem of said valve, and a skirt extending from said nut and engaging said valve to form an extended bearing therefor.

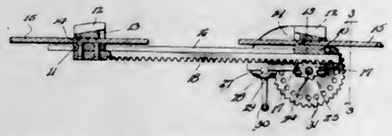
1,505,279. LEVELING BASE FOR LAVATORIES AND THE LIKE. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,495. 1 Claim. (Cl. 285—30.)

The combination in a lavatory, of a supporting slab having a fixture receiving aperture, a fixture having a rounded body provided with an inwardly extending convex lower edge and a centrally disposed shank extending through said aperture, said shank being spaced laterally from the wall of said aperture to permit tilting of the fixture, a leveling ring supported on the slab, about the fixture shank, said ring having a concave upper surface engaging the lower edge of said body, a clamping plate surrounding the fixture shank below the slab and having a peripheral flange provided with diametrically opposed openings, screws extending through said openings and



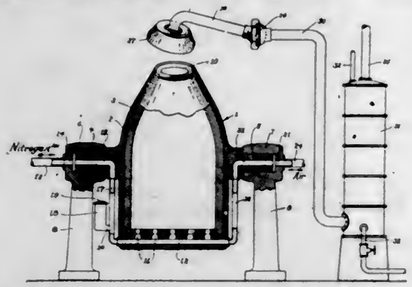
engaging the underside of said slab to permit adjustment of the plate when the shank is in a non-vertical position, and means for removably securing the plate to said shank.

1,505,280. BELT TIGHTENER. ANTHONY F. MUTH, Eldorado, Kans., assignor of five-sixteenths to John J. Muth, two-sixteenths to Wilfred H. Muth, and one-sixteenth to Charles A. Muth, all of Eldorado, Kans. Filed Apr. 28, 1923. Serial No. 635,368. 1 Claim. (Cl. 254—66.)



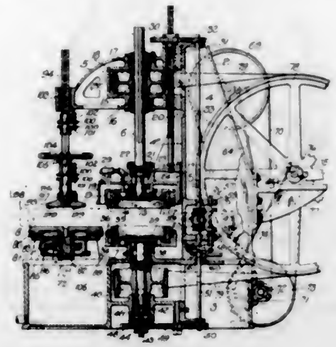
A belt tightener including companion cross bars, means for clamping the ends of a belt to the upper sides of said bars, spaced guide yokes depending from one of said bars, a rack bar secured to the other of said bars and slidably received through said guide yokes, a gear housing upon one end of the bar having the guide yokes, a shaft journaled upon said housing and said guide yokes, a pinion on the inner end of said shaft between the yokes meshing with the rack bar, driving gearing associated with the outer end of said shaft and mounted in the upper gear housing, and means associated with said gearing and housing to prevent retrograde movement of the gearing.

1,505,281. PROCESS FOR THE MANUFACTURE OF STEEL AND THE FIXATION OF NITROGEN. ADRIAAN NAGELVOORT, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed May 25, 1921. Serial No. 472,554. 18 Claims. (Cl. 75—44.)



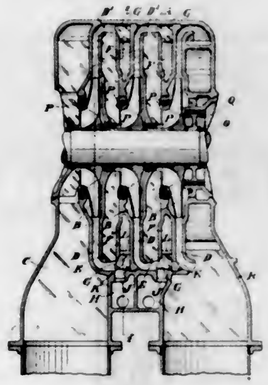
1. The process for forming steel from molten iron which comprises, subjecting the molten iron to an air blast to remove certain impurities therefrom, and then reacting upon said iron with nitrogen to effect a union between the nitrogen and the carbon present in the iron.

1,505,282. SURFACE GRINDER. DAVID J. NEVILL, Denver, Colo. Filed Jan. 3, 1921. Serial No. 434,668. 8 Claims. (Cl. 51—118.)



1. In a grinder of the character described, opposed grinding members, a table adapted to support the work to be ground for the simultaneous action of the grinding members upon opposite surfaces thereof, and hand-controlled, power-driven mechanism for feeding the members simultaneously or separately to the work.

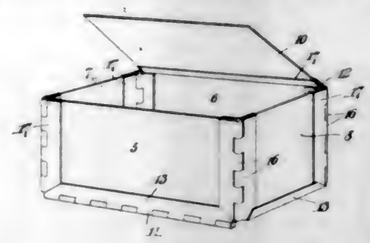
1,505,283. COMBINED GAS EXHAUSTER AND TAR EXTRACTOR. MELACH J. NUSIM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 20, 1924. Serial No. 714,570. 5 Claims. (Cl. 183—77.)



1. A combined gas exhauster and tar extractor for gas, comprising a casing, an impeller rotatably mounted within the casing, a diffuser adjacent the outlet of said impeller and extending radially therefrom, a pressure chamber having an outlet, a tar collecting chamber remote from said diffuser and having no outlet for gas, and a longitudinal passage leading from said diffuser to said pressure chamber and said collecting chamber.

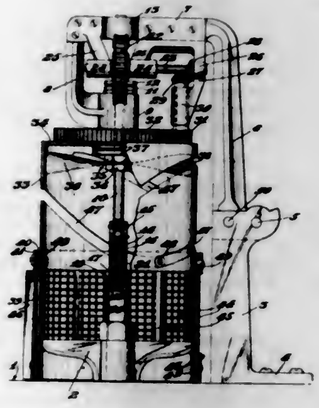
1,505,284. COLLAPSIBLE BOX. BENTON P. O'HARE, Nasonville, R. I. Filed Sept. 17, 1923. Serial No. 663,157. 3 Claims. (Cl. 220—6.)

1. A box comprising side and end panels, co-operating hinge members for the edges of each panel, said members comprising metal strips bent upon themselves to form hinge barrels and each embracing both faces of the panel



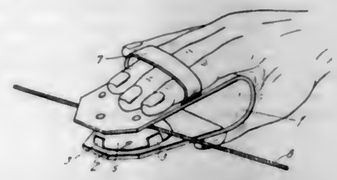
with which it is associated, and hinge pins connecting said barrels.

1,505,285. SAFETY DEVICE. ROBERT F. PADEN, Glendale, Mo. Filed Sept. 17, 1923. Serial No. 663,113. 8 Claims. (Cl. 144—251.)



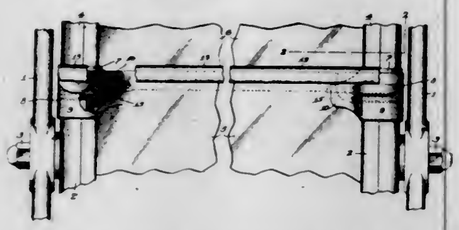
1. A guard of the character described, comprising a rotatable carrier, a cylinder movably supported on said carrier and normally rotatable therewith, said carrier and said cylinder having a work engagement whereby, when resistance is brought against the cylinder during rotation, the carrier is free to continue rotating while the cylinder lags and the cylinder is thereby caused to move upward on said carrier.

1,505,286. LINE CHALKER. JOHN AUGUST PETERSON, Buffalo, N. Y. Filed June 18, 1923. Serial No. 646,281. 1 Claim. (Cl. 33—87.)



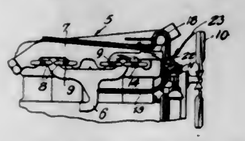
In a line chalker, a flexible strap, a chalk holder upon one side and near one end thereof, a buffer plate upon the same side and near the opposite end thereof, and a finger loop carried by said strap upon the opposite side thereof.

1,505,287. WINDSHIELD CONSTRUCTION. ALBERT T. POTTER, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 31, 1921. Serial No. 497,285. 5 Claims. (Cl. 296—93.)



5. In a wind shield, the combination with a sash frame including tubular end members, and a glass panel in said frame having a free edge portion, of corner members for said sash frame at each end of the free edge of the glass panel and comprising socket portions to receive the ends of said tubular sash frame members and provided with channels to receive corner portions of the glass panel, and an upwardly projecting flange on each corner member to overlap a corner member on an adjacent frame, said flanges being curved laterally of said member to conform substantially to a curved side face of the member, and permit a side of corner members on an adjacent frame to extend over the members having the flanges, said flanges forming a continuation of the free edge of the glass panel to receive a channeled weather strip.

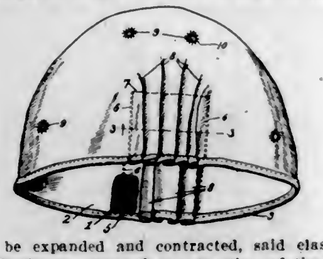
1,505,288. AUXILIARY-AIR-SUPPLY DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES A. RIVERS and FRANCIS BACON STUART, El Paso, Tex.; Ara M. Rivers administratrix of the estate of said Charles A. Rivers, deceased. Filed Aug. 12, 1920. Serial No. 402,996. 3 Claims. (Cl. 123—124.)



2. In an auxiliary air supply device for internal combustion engines, an air supply pipe adapted to be connected to the intake side of the engine, a valve in said pipe controlling the flow of air therethrough, means for normally urging said valve into a closed position, a pivoted member connected to said valve and arranged in the line of draft of the cooling fan of the engine for receiving impact of air from said fan for successively opening the valve by increased speed of the engine, said pivoted member being inclined forwardly toward the fan for normally presenting an inclined working face to the line of draft and adapted when operated to successively present said working face toward a right angular position with respect to the line of the draft whereby to increase resistance to the line of draft and effect increased pressure on said pivoted member, and means for adjusting the working length of said pivoted member whereby to vary the effective leverage of said member relatively to the said means for normally urging the valve into a closed position.

1,505,289. HAIR-PRESSING CAP. CHARLES S. SANDERS, Baltimore, Md. Filed Mar. 16, 1923. Serial No. 625,609. 3 Claims. (Cl. 132—49.)

3. The hair-pressing cap which includes a crown formed of an outer fabric and an inner fabric, and an elastic sheet between and secured to the outer and inner fabrics at one side of the cap, the inner and outer fabrics being provided with puckers or folds at the elastic sheet to permit this



side to be expanded and contracted, said elastic sheet being effective to cause the contraction of the sides for the purpose of holding and pressing the hair of the wearer.

1,505,290. AUTOMOBILE ORNAMENT. EARL M. SCANLAN, Denver, Colo. Filed Aug. 7, 1923. Serial No. 656,211. 6 Claims. (Cl. 40—125.)



1. An automobile ornament of the character described, comprising a monogram composed of a plurality of terminally free interwoven characters made separately of pliable metal and fastened together at their points of intersection.

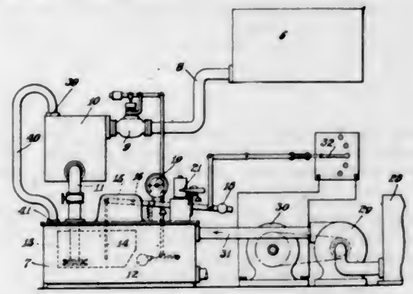
1,505,291. COMBINATION LOCKER. LOUIS SCHAEFER, Jr., Chicago, Ill. Filed Apr. 2, 1921. Serial No. 457,912. 8 Claims. (Cl. 45—31.)



1. A locker provided with a rectangular opening in its front, two interfitting L-shaped doors hinged on opposite sides of said opening and adapted when closed to cover

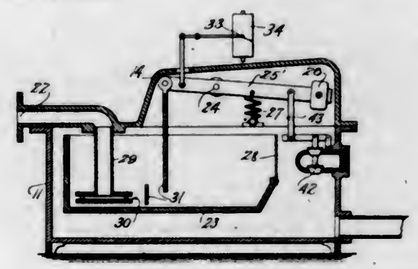
the same, and a partition within said locker extending rearwardly from the meeting edges of the doors whereby storage spaces for one tenant of the locker is formed to which access may only be had through the door immediately in front thereof.

1,505,292. LIQUID-SUPPLY-CONTROLLING APPARATUS. JOHN A. SERRELL, North Plainfield Borough, N. J. Filed July 18, 1923. Serial No. 652,292. 18 Claims. (Cl. 73—162.)



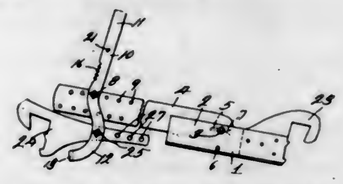
1. Liquid supply controlling apparatus comprising the combination of a primary receiver, a storage receiver, an automatic valve, means controlled by the level of liquid in said storage receiver for operating said valve, a meter delivering into said storage receiver and a static head trap interposed between said valve and said meter.

1,505,293. LIQUID-SUPPLY-CONTROL APPARATUS. JOHN A. SERRELL, North Plainfield Borough, N. J. Filed Aug. 19, 1919. Serial No. 318,605. 11 Claims. (Cl. 73—167.)



1. A liquid meter comprising a yieldingly suspended weir box and means for weighing the liquid momentarily in the weir box.

1,505,294. VEHICLE JACK. CHARLES F. SHOWALTER, Omaha, Nebr. Filed Apr. 24, 1923. Serial No. 634,268. 2 Claims. (Cl. 254—131.)

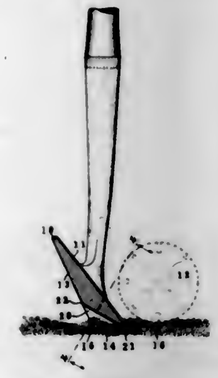


2. The combination with a jack comprising a base, a standard pivotally connected to said base and foldable onto the base, a lever pivotally connected to the standard, of rim engaging members carried by said base and by said lever and forming means for engaging opposite sides of a rim, one of said rim engaging members being pivotally connected to the lever.

1,505,295. METHOD OF RECOVERY OF POTASSIUM AND MAGNESIUM SALTS FROM NATURAL BRINES AND CALCAREOUS MUDS. JOSEPH L. SILSBEE, Salt Lake City, Utah. Filed July 27, 1920. Serial No. 399,338. 5 Claims. (Cl. 23—22.)

1. The method of recovering potassium and magnesium salts from natural brine and calcareous muds of substantially the character described, comprising, evaporating the brine by solar heat, removing the resulting sodium and potassium chloride and producing magnesium chloride mother liquor, adding magnesium oxide to said mother liquor to form a solid, roasting said solid material to thereby produce hydrochloric acid gas and magnesium oxide, treating a fluid mixture of said mud and brine with said hydrochloric acid gas, thereby producing carbon dioxide gas, mixing magnesium oxide and potassium chloride and water and treating the mixture with carbon dioxide gas, thereby producing a double salt of potassium and magnesium carbonate and magnesium chloride.

1,505,296. GOLF CLUB. WALTER L. SMITH, New York, N. Y. Filed June 20, 1922. Serial No. 569,656. 9 Claims. (Cl. 46—4.)

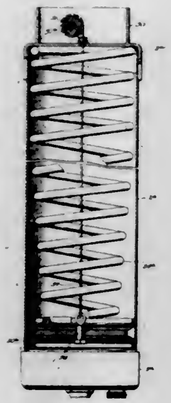


1. A golf club of the niblick type comprising a blade having an inclined front face, a rear face and a sole meeting the rear face, the shoulder formed by the rear face and sole having a plurality of substantially V-shaped furrows formed therein, said furrows extending into the sole and rear face providing channels for the passage of sand and forming a plurality of webs all sides of which converge toward the shoulder, thereby providing webs adapted to cut through the sand with substantially a minimum of resistance.

1,505,297. FIRE EXTINGUISHER. LOWELL H. STEPHENSON, Cleveland, Ohio. Filed Aug. 20, 1921. Serial No. 493,913. 1 Claim. (Cl. 299—92.)

A fire extinguisher comprising, a cylindrical casing, a fixed cover upon one end, a nozzle in said cover, a removable cover upon the other end, means to provide a chamber formed upon the outer side of said removable cover, a revoluble shaft transversely of said chamber and having its ends mounted in said means, one end of said shaft extending outwardly of said means, a drum mounted on said shaft within said chamber, a ratchet mounted on the projecting end of said shaft, a spring pressed pawl carried by said means and engaging said ratchet, a piston

head within said casing, flexible means connected to said head and winding on said drum for normally maintaining the head in proximity to said removable cover, and expansible means interposed between the head and removable cover for projecting the said head forward.

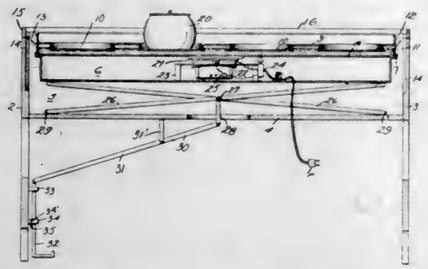


1,505,298. APPARATUS FOR DROP-FORGING AND LIKE OPERATIONS. ARTHUR L. STEVENS, Chicago, Ill. Filed Oct. 8, 1919. Serial No. 329,349. 7 Claims. (Cl. 78—1.)

1. In apparatus of the class described, comprising a forging machine, located on the main floor, a furnace located on the mezzanine floor adapted to heat the billets for said machine, and provided with means actuated independently of the operation of the said machine for controlling the movement and the heating of the billets in the furnace, and means whereby the heated billets may pass by gravity to said machine for immediate forging.

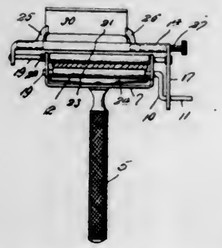
1,505,299. EXTENSION HOT-FOOD TABLE. CHARLES STERN, San Francisco, Calif. Filed July 12, 1921. Serial No. 484,106. 3 Claims. (Cl. 126—33.)

1. A hot-food, serving table having a frame forming a chamber with an open top, a leaf adjustable to cover the chamber, a removable tray conforming to the plan area of the chamber so as to fit in the same, a heating means arranged in the chamber and including a stove pan, of which the tray forms the top, means in the stove pan for



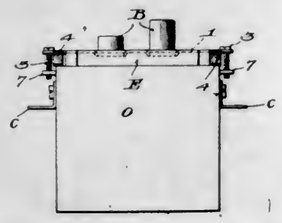
heating the tray, and means for raising the stove pan from a lower position to an elevated position to bring the tray substantially in the plane of the top of the table.

1,505,300. RAZOR-BLADE-STROPPING DEVICE. LEON B. STODDARD, Williamsett, Mass. Filed Feb. 8, 1924. Serial No. 691,408. 4 Claims. (Cl. 51—153.)



1. In a razor blade stropping device, a handle, a yoke centrally attached to the handle, a screw shaft journalled in the yoke and slidably disposed therein, a blade holder including a yoke fixed to the ends of said screw shaft, a roller disposed within the handle yoke and threaded upon the screw shaft whereby the latter may be shifted transversely of the handle, a rock shaft disposed inwardly of the screw shaft and journalled in the handle yoke, a second roller fixed upon said rock shaft, and operative connections between the rock shaft and the yoke of the blade holder for causing the latter to swing in the opposite direction in which the handle is drawn.

1,505,301. FIXTURE ADJUSTER FOR OUTLET BOXES. HENRY R. THOMPSON, Falls Church, Va., assignor, by direct and mesne assignments, to Pass & Seymour, Inc., Solvay, N. Y., a Corporation of New York. Filed Aug. 29, 1919. Serial No. 320,669. 7 Claims. (Cl. 247—20.)

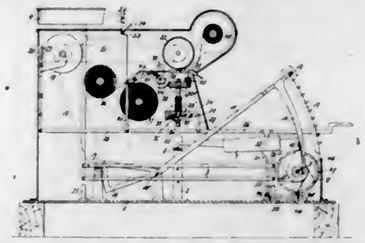


1. In combination with an outlet box and a fixture therein, a bridge carrying said fixture and having a pair of diverging feet at each end thereof, the feet of each pair resting upon the respective edges of opposite walls of the box, and screws passed through the bridge and through parts of the box so as to spread the feet upon inward movement of the screws and to allow the feet to approach upon outward turning of the screws.

1,505,302. COMPOSITION FOR FACING WALLS AND PARTITIONS. ROBERT FREDERICK WILKINS and HARRY CHANDLER, Bristol, England. Filed Feb. 15, 1924. Serial No. 693,114. 3 Claims. (Cl. 106—24.)

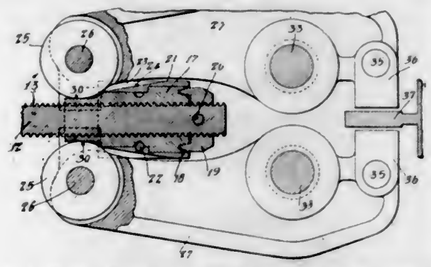
3. For facing walls and partitions in buildings, a composition in simulation of freestone and having solid constituents mixed in approximately the following proportions, namely ,a fine clean sand, 50% white cement, 25%, silver sand, 20%, a compound containing hydrated lime, fat, and alkali metal carbonates, 5%, the said solid mass being mixed with a liquid having constituents in approximately the following proportions, namely, hydrochloric acid, ¼ pint, and a solution containing sulphate of iron ¼ ounce, alum, 1 ounce, the mixture of the said solid mass and the said liquid being effected in approximately the proportion of 8 gallons of the solid mass to 2 gallons of the liquid, substantially as described.

1,505,303. WEIGHING AND RECORDING DEVICE. ARTHUR WOLF, Vienna, Austria. Filed Nov. 27, 1922. Serial No. 603,653. 12 Claims. (Cl. 265—48.)



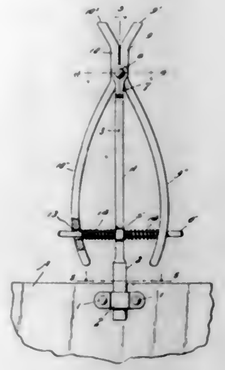
1. A weighing and recording device comprising in combination, a scale-beam, a weight in the form of a rock arm, means for holding said weight in elevated position a key lever adapted to cause said weight to be lowered and to bear on said scale-beam and means, adapted to be operated by said key lever, for recording the weighing result.

1,505,304. SAFETY DEVICE FOR HIGH-SPEED ELEVATORS. MILO A. BAKER, HERBERT U. DURANT, and SAMUEL U. KING, Los Angeles, Calif. Filed Sept. 24, 1923. Serial No. 664,436. 3 Claims. (Cl. 187—91.)



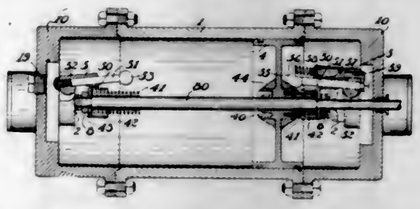
2. A safety device of the character described comprising a shaft having screw threads, a nut engaging the screw threads, means operated by the shaft to releasably engage and rotate the nut, means to hold the nut against rotation after it has been rotated through a certain number of degrees of circular measurement, a shoe, and means operated by the rotation of the nut and thereafter by translation of the nut to move the shoe toward an elevator guide.

1,505,305. REIN HOLDER. ROY T. BANG, Minden, Nebr. Filed Jan. 24, 1923. Serial No. 614,584. 1 Claim. (Cl. 280—185.)



In combination with a support, of a bracket carried by the support, and adapted to receive a vertical supporting arm, a pair of jaws pivoted to the upper end of the supporting arm, a cross rod extending through an opening adjacent the lower end of the supporting arm, pendent arms carried by the jaws, and formed with openings for receiving the opposite ends of said cross rod, and expansion springs surrounding said rod between the supporting arm and the said pendent arms for maintaining the jaws closed.

1,505,306. FLUID METER. CARLOS J. BASSLER, Portland, Oreg., assignor, by mesne assignments, to American Liquid Meter Company, Seattle, Wash., a Corporation of Washington. Filed June 21, 1920. Serial No. 390,605. 15 Claims. (Cl. 73—30.)

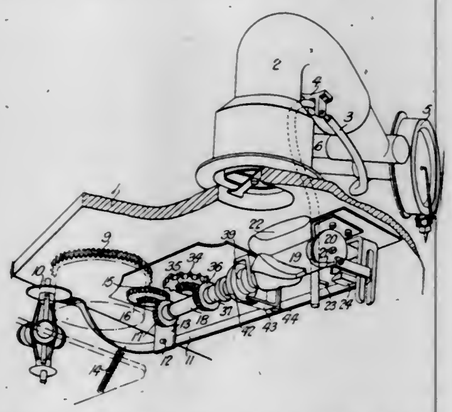


1. In a fluid meter, a cylinder, a piston mounted therein, inlet and outlet valves controlling the supply to and discharge from said cylinder, power storage mechanism for operating said valves energized by the piston in its travel, and a detent for said power storage mechanism comprising a dog having a shoulder adapted to be engaged by said power storage mechanism and fixedly pivoted within the cylinder, a trip connected with said dog and adapted to be engaged by the piston to trip the power storage mechanism, and thermostatically-controlled means for varying the relative positions of the shoulder and the trip.

1,505,307. TALKING MACHINE. JACK TAYLOR BENNETT, Glasgow, Scotland. Filed July 5, 1922. Serial No. 572,822. 4 Claims. (Cl. 274—10.)

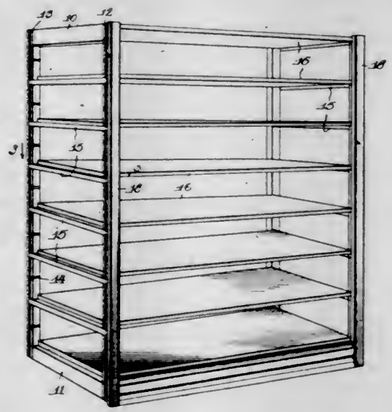
1. In a talking machine adapted to play automatically a number of records in succession, the combination of a turntable, means for rotating the turntable, a tone arm, a sound box pivotally mounted thereon, a single lever pivoted to the tone arm, a cam, and means adapted to rotate the cam at the end of a record, one end of the lever supporting the sound box and the other end engag-

ing the cam, said cam formed to first raise the sound box through said lever, then move it positively to a position clear of the record and turntable, then hold it



stationary during the changing of a record, and finally drop it into position to engage the new record in starting position.

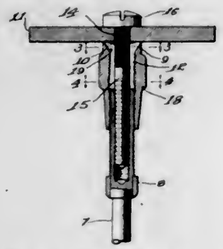
1,505,308. SECTIONAL FURNITURE. HENRY HANSEN BROWN, Chicago, Ill., assignor to International Show Case Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 21, 1923. Serial No. 664,059. 10 Claims. (Cl. 211—27.)



1. A store fixture comprising a plurality of upright members, a plurality of shelves having their ends supported upon a spaced pair of upright members, said upright members provided upon their front faces with recesses, cross pieces bridging said recesses, and pilasters fitting the front faces of said upright members and provided with means for engagement with said cross-pieces whereby said pilasters are removably manitained in position.

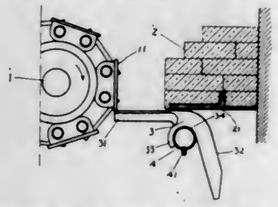
1,505,309. DENTAL MANDREL. IRA A. BURNETT, Chicago, Ill. Filed Nov. 10, 1923. Serial No. 673,888. 3 Claims. (Cl. 32—13.)

1. A dental mandrel comprising a shank having one of its ends slotted and provided with a longitudinally extended bore having screw-threads, said end of the shank being provided with a slotted clamping member and carrying inwardly extended engaging means, said clamping member having its outer surface flared, screw-threads on the shank below said member, another clamping member having a stem provided on its lower portion with screw-threads to engage the threads of said bore and above said threads with engaging means to co-act with



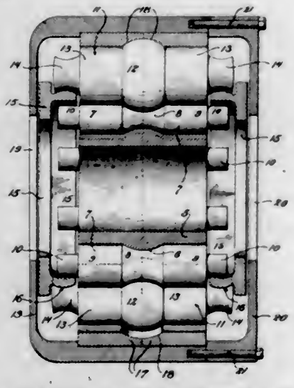
the first named engaging means and adapted to co-operate with the first named clamping member to clamp a disk between them, and a controlling nut mounted on the screw-threaded portion of the shank and co-operating with the first named clamping member to cause said stem to be locked against independent rotary movement.

1,505,310. APPARATUS FOR DUMPING ASH IN CHAIN GRATES. CHARLES WESLEY BURROUGHS, Montreal West, Quebec, Canada. Filed June 1, 1922. Serial No. 565,201. 6 Claims. (Cl. 110—40.)



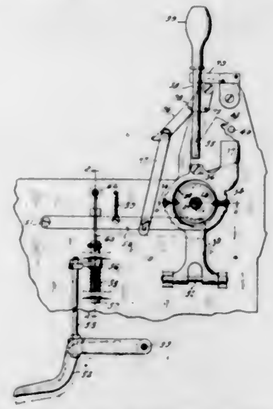
1. In a device of the class specified, the combination of a chain grate with a plurality of narrow dump plates pivotally supported on a bearing parallel with the end of the grate, having their front ends bearing upwardly on the lower part of the end of the grate.

1,505,311. BEARING. PATRICK H. CALLAGHAN, Philadelphia, Pa. Filed Oct. 30, 1922. Serial No. 597,736. 4 Claims. (Cl. 64—61.)



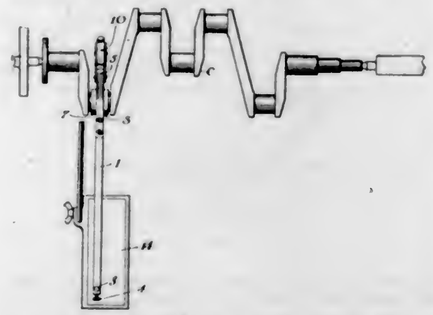
1. An anti-friction bearing comprising a sleeve; an annular series of rollers engaging with the sleeve, the rollers having cylindrical trunnions; an annular series of rollers engaging with the rollers of the first series, the rollers having concave trunnions; spacing rings having a flush inner face adapted to engage the trunnions of the inner series of rollers, and a convex outer face adapted to engage the trunnions of the inner series of rollers, and a convex outer face adapted to engage the trunnions of the outer series of rollers, and means for holding the sleeve and rollers in engagement.

1,505,312. CLUTCH. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 22, 1920. Serial No. 418,761. 17 Claims. (Cl. 192—24.)



1. In a machine of the character described, the combination with a clutch, of a device for automatically throwing the clutch out of engagement and a separate manually controlled device for operating the clutch to throw it in and out periodically, there being a clutch lever operated by both devices and a manually shiftable extension member therefor which is movable transversely of the clutch lever to cause the latter to be operated by either one of said devices.

1,505,313. RECORDING GAUGE. ALVAH J. COLWELL, Norfolk, Nebr. Filed June 16, 1923. Serial No. 645,775. 5 Claims. (Cl. 234—1.)



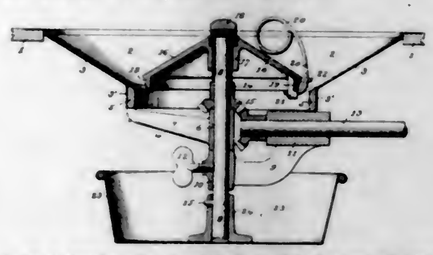
1. An instrument for recording the angular deviation of the crank pin of a crank shaft relative to the axis of the main bearing of said shaft, comprising an elongated member, means carried by an end portion of said member to engage the member with the crank pin to be tested, and marking means carried by the opposite end portion of the member.

1,505,314. ELECTRICAL GROUNDING CLAMP. WARREN R. COX, Cleveland, Ohio. Filed Aug. 19, 1920. Serial No. 404,601. 2 Claims. (Cl. 173—273.)



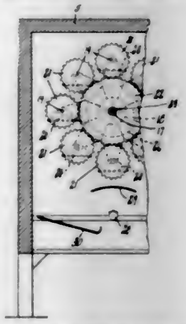
1. An electrical grounding clamp, comprising a plate having flanges and a projection extending from one of said flanges, a metal strap having perforations at one end and a pair of openings at its opposite end, a clamping screw extending through said plate and one of said pair of openings, and said strap being wrapped around the flanges with said projection protruding through the second opening and with the end of the strap extended beneath the flanges of said plate, the opposite perforated end of said strap being also adapted to be hooked to said projection when wrapped around a pipe.

1,505,315. GRADER FOR POPPED CORN. CHARLES CRETORS, Chicago, Ill. Filed Jan. 22, 1923. Serial No. 614,182. 7 Claims. (Cl. 83—92.)



1. In a grader, the combination of a horizontal plate provided with a circular pit the wall of which inclines downwardly towards the center and has a central circular opening, a conical deflector head arranged centrally in said pit and forming in connection with said opening a narrow outlet throat and in connection with the pit wall forming a shallow oppositively tapering annular containing cavity for the substance treated, a stirrer finger arranged in said throat and extending up centrally through the annular mass of material, and means for imparting movement to said finger.

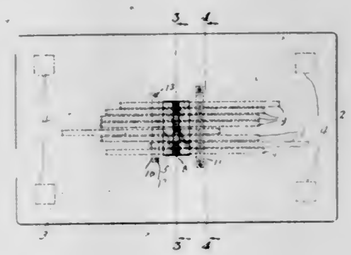
1,505,316. REEL OVEN. WILLIAM WARREN CUMMINGS, Hanover, N. H. Filed June 25, 1921. Serial No. 480,317. 4 Claims. (Cl. 107—59.)



4. An oven having, in combination, a shaft, means to rotate said shaft, a shelf carrier fast to said shaft, a series of shelves rotatably mounted upon said shelf car-

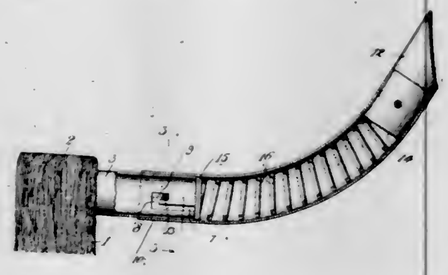
rier and concentric with said shaft, a series of pinions rigidly connected to said shelves, a gear rotatably mounted upon said shaft and meshing into said pinions and means to rotate said gear, whereby said shelves may at all times be locked in a horizontal position.

1,505,317. COUNTING CARD TABLE. PETER C. CHRISTENSEN, Hartford, Conn. Filed June 27, 1923. Serial No. 647,995. 1 Claim. (Cl. 235—90.)



In a counting table having a top with a slot through it; a plurality of counting slides supported by the top below the same, each slide having numbers running oppositely from zero upwardly and made visible through said slot by movement of the slides, resilient frictional detents supported by an adjustable strip below the slides and means for simultaneously adjusting the resiliency of the detents.

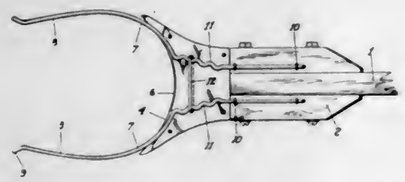
1,505,318. ATTACHMENT DEVICE. HARRY BERTOW, New York, N. Y. Filed Jan. 11, 1921. Serial No. 436,589. 2 Claims. (Cl. 287—103.)



1. An attachment device of the character as described, consisting of a metal tube having at one end diametrically opposite to each other two slots, having their hook shaped ends running in opposite directions, and at the other end the ends of a wire rope rigidly secured therein, another tube telescopically fitting over the tube referred to above, a pin rigidly secured within the latter tube, a handle secured to same, an annular plate movably arranged within said tube behind the pin, and a spring interposed between said plate and the handle.

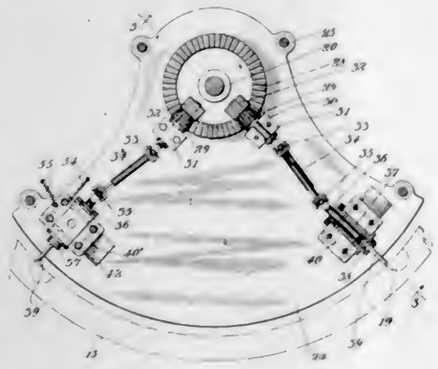
1,505,319. PIE-PAN LIFTER. PAUL BRIX, Stockton, Calif., assignor of one-half to Otis B. Harvey, Stockton, Calif. Filed June 24, 1922. Serial No. 570,547. 8 Claims. (Cl. 294—33.)

1. A lifter for circular pans having a curled rim-flange comprising a handle, a pair of spring wire members projecting beyond the handle and shaped to engage the outside of the pan for substantially one half the circumference thereof, and means projecting upwardly of the



wires for engaging the under side of the rim flange of the pan when the latter is seated between the spring members and pressure is exerted to raise the pan.

1,505,320. MORTISING MACHINE. EDWARD DALLIG, Poughkeepsie, N. Y. Filed Dec. 14, 1923. Serial No. 680,653. 3 Claims. (Cl. 144—69.)

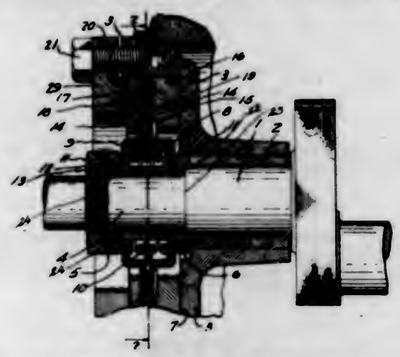


1. A mortising machine comprising a power shaft, spindles geared to said shaft and arranged radially thereto at an angle forming an equal division of a circle endthrust tool carrying spindles connected by universal joints to be driven from said first mentioned spindles; crossed slides upon which the tool carrying spindles are mounted to be given predetermined endwise and laterni movements, a crank for each set of compound slides imparting thereby to each tool the desired movement and a common means for rotating the said cranks.

1,505,321. PACKING FOR SHAFTS. JAMES H. DENNEDY, Detroit, Mich. Filed Sept. 10, 1921. Serial No. 499,805. 6 Claims. (Cl. 286—11.)

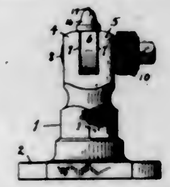
1. In a packing for shaft, in combination, a casing having a recess, a shaft extending centrally through the said recess, a pair of rings fitting within the recess and having companion tapered faces, a pair of centrally apertured diaphragms fitting within the recess and positioned between the tapered faces, a centrally apertured metal disc positioned between and facing the diaphragm, a clamp member having an annular shoulder fitting within the recess, means for drawing the clamp member up to bind the rings diaphragms and disc between the bottom of the recess and the annular shoulder, an annular member secured to each disc at the central aperture, a packing ring carried by each annular member, a sleeve sealed to the

shaft and having an annular flange, a ring at the end of the sleeve opposite the flange, a nut threaded on the



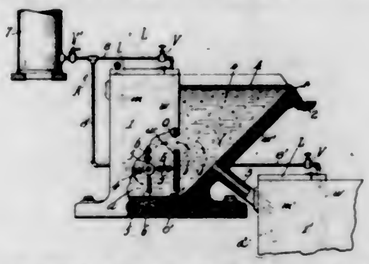
shaft and supporting the ring in position and coiled spring about the sleeve forcing the annular members apart and causing the packing rings to engage the annular flange and ring.

1,505,322. DIAMOND HOLDER. EDWARD DESMON, Detroit, Mich. Filed June 19, 1922. Serial No. 569,375. 5 Claims. (Cl. 125—11.)



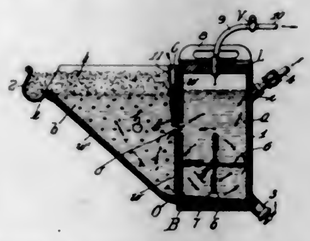
2. A grinding wheel dresser comprising a support embodying a pair of jaws, a collar rotatable between the jaws, a pin slidable in the collar and jaws, a diamond setting engaged by the pin and collar, and means to move the pin relative to the collar and jaws to lock the collar and said setting in selected position.

1,505,323. PROCESS OF CONCENTRATING ORES. GEORGE B. EBERENZ, El Paso, Tex., assignor of one-fourth to Edward P. Mathewson, New York, N. Y., and three-fourths to Thomas J. Scanlon, Alton, Ill. Filed Apr. 15, 1920, Serial No. 374,077. Renewed Jan. 5, 1924. 1 Claim. (Cl. 83—85.)



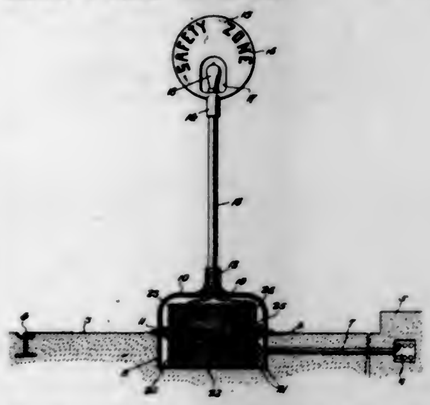
In the concentration of ores, the process which consists in subjecting a charge of ore in pulp form while under agitation to the action of sulfureted hydrogen maintained under pressure against the pulp mass to the exclusion of other selective agents and out of contact with the atmosphere to sulfidize the mineral particles and aerate the pulp mass, then cutting off the supply of hydrogen sulfid, and continuing the agitation in contact with the air at normal atmospheric pressure, causing the resulting bubbles and mineral particles adhering thereto to migrate through the pulp to a region of comparative quiet, and removing the resulting froth from the surface of said region.

1,505,324. APPARATUS FOR AND PROCESS OF CONCENTRATING ORES. GEORGE B. EBERENZ, El Paso, Tex., assignor of one-fourth to Edward P. Mathewson, New York, N. Y., and three-fourths to Thomas J. Scanlon, Alton, Ill. Filed Oct. 22, 1920, Serial No. 418,653. Renewed Jan. 5, 1924. 6 Claims. (Cl. 83—85.)



3. A process of concentrating ores which consists in subjecting a charge of pulp while under agitation to the action of sulfereted hydrogen maintained in direct contact with the surface of the pulp whereby the pulp is impregnated with and aerated by the gas, and intermittently supplementing the action of the sulfureted hydrogen by suitable quantities of atmospheric air admitted to the pulp while being agitated.

1,505,325. SAFETY-ZONE INDICATOR FOR STREETS. JOHN D. ELBERT, San Francisco, Calif., assignor of forty-five one-hundredths to George L. Stewart, San Francisco, Calif. Filed Sept. 13, 1923. Serial No. 662,494. 2 Claims. (Cl. 40—145.)

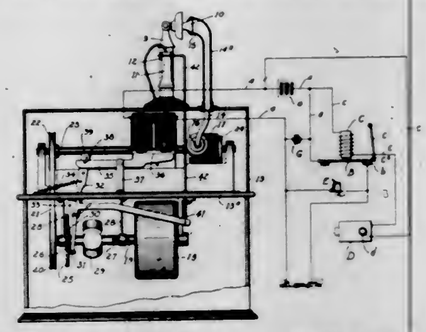


2. A safety zone indicator including a base element counter-sunk beneath the surface of the street, a cover plate mounted on said element and lying flush with the street surface, and an indicator embodying a base element a portion of which latter extends through the plate and into engagement with the first said base element.

1,505,326. PHONETIC BURGLAR AND OTHER ALARM. MARTIN FIELD, Chicago, Ill., assignor of one-half to Ben Goldsher, Chicago, Ill. Filed Oct. 29, 1919. Serial No. 334,137. 1 Claim. (Cl. 179—5.)

A phonetic alarm comprising a telephone service instrument including a transmitter and a receiver hook controlling the talking circuit of said instrument, in combination with a sound record and reproducer therefor.

a sound tube connecting said reproducer and transmitter, mechanism for operating said record, a brake device consisting of a rotatable element on said operating mechanism, a three-arm lever pivoted adjacent the intersection of its arms, a brake-shoe on one of said arms engagenble with said rotatable element to release and stop the operating mechanism, a link operatively connecting a lateral arm of said lever to the receiver hook to raise



and lower the latter, a rock-lever having latching engagement with the third arm of said lever, electro-magnetic means for oscillating said rock-lever, and current conductors connected to said electromagnetic means and having a switch interposed therein whereby the circuit in said conductors is opened and closed and thereby actuates said rock-lever through said magnets to move said three-arm lever.

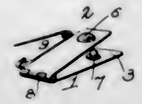
1,505,327. SAND REEL. ROY L. FLETCHER, Washington, Pa., assignor of one-half to The Washington Mould, Machine and Foundry Company, Washington, Pa. Filed July 20, 1922. Serial No. 576,380. 1 Claim. (Cl. 242—117.)



The combination in sand-reels, consisting of a hollow axle or shaft having journals secured in each end thereof, a friction-wheel mounted on said axle or shaft and provided with a series of opposed bevelled key-ways, bevelled keys or wedges adapted to be inserted in said key-ways, said keys or wedges being provided with longitudinal holes for receiving bolts for drawing the keys or wedges inwardly towards each other for securing said friction-wheel rigidly to the axle or shaft, together with a sand-line-reel consisting of two cast-iron discs which are provided with shoulders and bevelled key-ways, rings secured to said axle or shaft and a sheet-metal disc mounted thereon and held in position by said rings, a drum composed of two sections which rest on said shoulders which are formed on the inner sides of the cast-iron discs at their outer ends and on the said rings at their inner ends, rods or bars adapted to pass through the keys or wedges and rings for drawing said keys or wedges inwardly toward each other for clamping the sand-line-reel rigidly to the axle or shaft, all substantially as shown and described.

1,505,328. SHOULDER-STRAP CLIP. RUTH FREEDMAN and PHILIP FREEDMAN, New York, N. Y. Filed Oct. 13, 1922. Serial No. 594,311. 1 Claim. (Cl. 24—85.)

In a shoulder strap clip, two normally open clamping elements, and means for connecting said elements together, means for clasping their free ends in detachable relation, and means for attaching one of said elements to the underside of a garment shoulder, whereby the other element may be passed beneath the shoulder



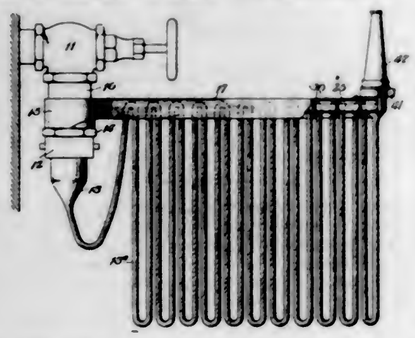
strap of an adjacent garment to hold said strap in nonslipable relation to the shoulder of the first named garment.

1,505,329. SOCKET FOR VACUUM TUBES OR THE LIKE. CHARLES A. FRIEDRICH, Brooklyn, N. Y. Filed Dec. 9, 1921. Serial No. 521,083. 5 Claims. (Cl. 173—328.)



1. In a socket for a vacuum tube having projecting contact members, an insulation base, terminal members fixed to said body and universally yielding sockets conductively connected to said terminal members and adapted to engage said contact members, so as to support the vacuum tube out of physical contact with said base.

1,505,330. HOSE RACK. HENRY GIBBS, Chicago, Ill., assignor to W. D. Allen Manufacturing Company, Chicago, Ill., a Corporation. Filed Aug. 18, 1921. Serial No. 496,332. 1 Claim. (Cl. 248—28.5.)



A hose rack of the character described comprising a head, a channel-shaped cover connected to said head, a pair of side supports arranged beneath said cover, one of said side supports comprising an up-standing flange rigidly secured upon the inside of said cover, and hose carrying pins slidably and permanently connected to the other of said side supports and having downturned, hooked ends slidably engaging said supporting flange and releasable from the outer end thereof as the pins are moved outwardly by withdrawal of the hose.

1,505,331. SPRAYING NOZZLE FOR OIL ENGINES. SAMUEL B. GOLD, Independence, Mo., assignor to Weber Engine Company, Kansas City, Mo., a Corporation of Iowa. Filed Mar. 28, 1921. Serial No. 456,321. 2 Claims. (Cl. 299—125.)

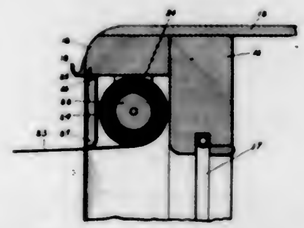
1. An injector for oil engines, comprising a body portion having a discharge end provided with a discharge opening of large area and a supplemental discharge opening of small area, a longitudinally extending valve stem

within said body whose inner end is subjected to the pressure within the injector, said valve stem having at its outer end a conical head normally closing the larger opening while leaving the smaller opening unobstructed and having a reduced portion within the body forming



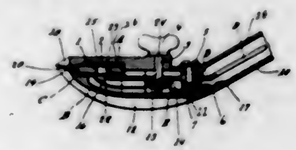
a chamber, a spring surrounding the valve stem within said body and exerting a pressure thereon sufficient to close the valve when the pressure is normal within the injector, but permitting the valve to open when the smaller opening is obstructed.

1,505,332. WEATHER SCREEN FOR MOTOR VEHICLES. ABUNDUS GRAVEL, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 4, 1918. Serial No. 215,337. 3 Claims. (Cl. 296—99.)



1. The combination with a vehicle having a top and a windshield; of a roller supported beneath a forwardly extending portion of said top; a curtain mounted at one end on said roller to wind and unwind from the bottom thereof and adapted to be connected at the other end to said windshield; and a strip secured at its upper edge to said top in front of said roller, and having its lower edge in engagement with said curtain when said curtain is in extended position.

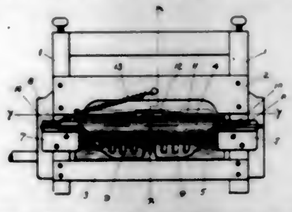
1,505,333. HAIR CLIPPER. FORREST L. GRAY, Kenmore, Ohio. Filed Sept. 27, 1922. Serial No. 590,757. 11 Claims. (Cl. 30—1.)



1. In a clipper, a base plate, a cutting comb rigid with the base plate, a movable serrated knife between the base and comb, and a spring pressing the knife away from the base into cutting contact with the comb.

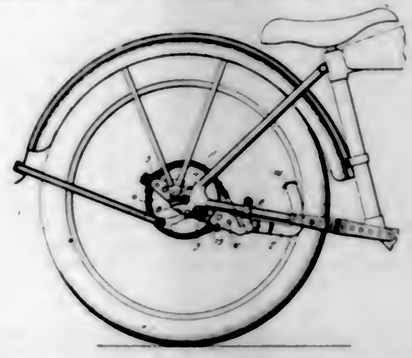
1,505,334. SAFETY DEVICE FOR CLOTHES WRINGERS. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Nov. 16, 1922. Serial No. 601,253. 6 Claims. (Cl. 68—32.)

1. The combination with a clothes wringer having end members and presser rolls journalled therein, of brackets mounted on said end members, a pair of feed arms pivotally mounted at one end to said brackets, and adapted



to be freely swung towards the effective point of said rolls and an adjustable rod connecting the feed plates to cause them to function in unison.

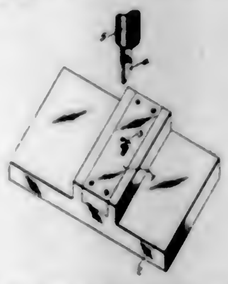
1,505,335. BRAKE. WILLIAM S. HARLEY, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 13, 1920. Serial No. 430,256. 22 Claims. (Cl. 188—18.)



1. A unitary braking mechanism for a vehicle having a brake drum rigidly fastened to a wheel hub thereof, comprising a brake band, a bracket supporting the brake band in operative relation to the brake drum, an actuating lever pivoted on the bracket and connected with the ends of the brake band, and a foot pedal rigidly fastened to the actuating lever.

15. A brake comprising an axle removably connected to a vehicle, a drum on said axle, a brake band for said drum, and a foot pedal connected to said band and removable with said axle from said vehicle.

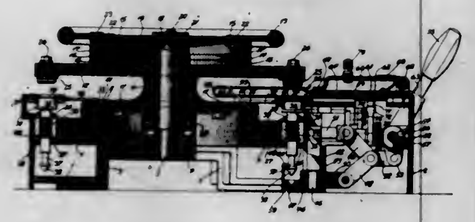
1,505,336. METHOD OF FORMING STENCIL-CHARACTER PUNCHES AND DIES. STEPHEN D. HARTOG, Belleville, Ill., assignor to John W. Marsh, Belleville, Ill. Filed Jan. 25, 1922. Serial No. 531,024. 5 Claims. (Cl. 76—107.)



1. The method of forming stencil cutting punch plates, which consists in partially cutting through a plate and forcing the material of the cut out portion below the

lower plane of said plate; returning the cut out portion to its original position in the same plate; and forcing the cut out portion above the original upper plane of the same plate.

1,505,337. STENCIL-CUTTING MACHINE. STEPHEN D. HARTOG, Belleville, Ill., assignor to John W. Marsh, Belleville, Ill. Filed Jan. 23, 1922. Serial No. 531,025. 21 Claims. (Cl. 197—62.)



1. In a stencil cutting machine, the combination with a main frame, of a rotary element including spaced carriers, an annular spaced series of punches carried on the under face of the upper one of said carriers, vertically movable die elements mounted in the lower one of said carriers, an actuator for moving the die element upwardly toward the punch elements when the same are brought to the cutting point, operating mechanism for moving said actuator upwardly, a work supporting carriage, escapement mechanism for said carriage, an operating shaft for operating said escapement mechanism and said actuator operating mechanism, and a handle for operating said shaft.

1,505,338. GAS FOR BLOWPIPE USE. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 20, 1918. Serial No. 250,637. 2 Claims. (Cl. 48—199.)

1. A gas for cutting and welding purposes comprising a mixture of hydrogen with from more than 10% and not more than 50% of carbureted water gas of substantially the following composition

C_6H_6	.5	parts	by	volume.
C_nH_{2n}	11.8	"	"	"
CO	31.3	"	"	"
H_2	36.1	"	"	"
CH_4	12.6	"	"	"
C_2H_6	2.3	"	"	"
O_2	.4	"	"	"
N_2	2.3	"	"	"

1,505,339. GASEOUS FUEL. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Cleveland, Ohio, a Corporation of Delaware. Filed Jan. 5, 1920. Serial No. 349,586. 1 Claim. (Cl. 48—199.)

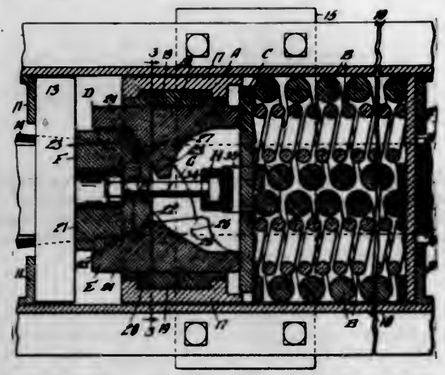
A gas for cutting and welding metals comprising a mixture of hydrogen with carburetted water gas in the volumetric proportions of

	Per cent.
Hydrogen	85 to 50
Water gas	15 to 50

1,505,340. GASEOUS FUEL. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company Cleveland, Ohio, a Corporation of Delaware. Filed Jan. 5, 1920. Serial No. 349,587. 2 Claims. (Cl. 48—199.)

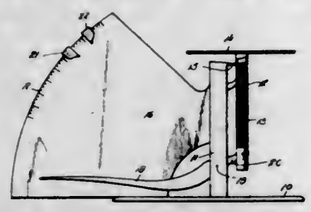
2. A gas for cutting, welding and heating purposes comprising a mixture of acetylene with hydrogen in the proportions of approximately 40% by volume of acetylene to the hydrogen.

1,505,341. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 16, 1922. Serial No. 588,522. 9 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having opposed interior friction surfaces; of a spring resistance; opposed friction shoes cooperable with the shell; pressure-receiving and transmitting spreading means, said shoes and said means having a plurality of cooperating sets of faces, part of which are arranged at a relatively keen wedge-acting angle and others at a relatively blunt releasing angle; and auxiliary spreading means between and having direct engagement with said opposed friction shoes.

1,505,342. METHOD OF DETERMINING THE VOLUME OF OCCLUDED GAS IN A PLASTIC MASS. WILFRID P. HEATH, Chicago, Ill., assignor to Mojonnier Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1922. Serial No. 597,521. 2 Claims. (Cl. 73—61.)

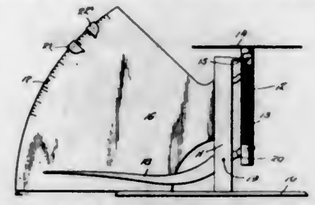


1. A method for determining the degree of occlusion of gas within a plastic matrix by using a scale, a container and a chart showing the weights of the containerful of the matrix inflated to different degrees, said method consisting in determining from the chart the said weight corresponding to the desired degree of inflation, locating the scale indication corresponding to said determined weight, placing upon the scale a containerful of the inflated matrix and comparing the resulting indication with the aforesaid indication, and then, if the two are not the same, varying the amount of occluded gas in the matrix until a subsequent similar weighing shows the first mentioned scale indication.

1,505,343. MEANS FOR DETERMINING THE VOLUME OF OCCLUDED GAS IN A PLASTIC MASS. WILFRID P. HEATH, Chicago, Ill., assignor to Mojonnier Bros. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1922. Serial No. 597,522. 2 Claims. (Cl. 265—39.)

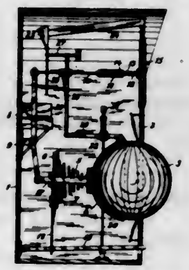
1. A weighing device of the character described comprising a base, a supporting standard, a depending contractile spring supported by the upper end of the standard,

a tubular member with which the lower end of the spring is engaged and by which it is supported, a platform carried by the tubular member, a pointer pivoted to the standard and operatively connected to the tubular member to be



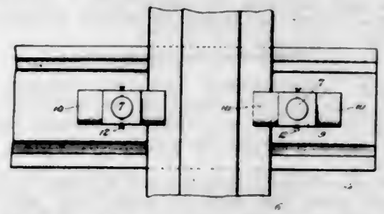
shifted thereby, a scale mounted upon the base and over which the pointer moves, and a marker adjustable upon the scale when acted upon by a certain definite amount of material disposed on the platform.

1,505,344. STRENGTH-TESTING DEVICE. RUDOLF HENTSCHEL, Brieg, Germany. Filed July 3, 1922. Serial No. 572,757. 2 Claims. (Cl. 265—22.)



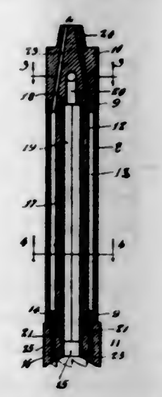
1. A strength testing apparatus comprising a cabinet, vertical guide rails fitted in said cabinet, a vertical plate guided longitudinally between said guide rails, a transverse rod guided axially in said plate, a punching-ball supported by said rod, a spring arranged on the plate so as to support the rod and oppose movements imparted to the same by blows applied to the ball, springs tending to lift the plate, springs adapted to arrest the plate in different positions and to yield under the blows applied to the ball so as to allow the lifting springs to shift the plate to a fresh position after each blow, levers arranged so as to be operated by the rod in its different positions, a dial, pointers arranged on concentric shafts so as to move over said dial, connections between the different levers and pointers whereby the latter are moved so as to indicate on the dial the extent of the rod movements, means for arresting the pointers in operated position, and means for restoring the elements to their normal position.

1,505,345. RAIL CLAMP. LEOPOLD F. HEPTNER, Johnstown, Pa. Filed Mar. 20, 1924. Serial No. 700,592. 3 Claims. (Cl. 238—340.)



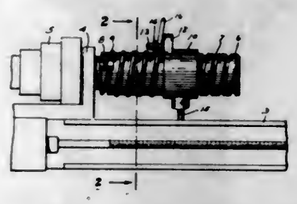
1. A rail clamp for mine ties including a shank engageable through the tie and equipped with a body engageable with the shank, said body including a pair of projections and being rotatable while in operative position on the tie to urge either of said projections into engagement with the rail base.

1,505,346. CORE BARREL. DETREVILLE D. HILL, Huntington Beach, Calif. Filed Sept. 26, 1921. Serial No. 503,126. 5 Claims. (Cl. 255—72).



1. In a core barrel, the combination of a sleeve, a tubular head detachably secured to the sleeve, and a longitudinally split core container mounted in the sleeve and projecting therefrom, there being a shoulder in the bore of the head and the sleeve seating against said shoulder.

1,505,347. COIL-WINDING MACHINE. EZRA S. HOYT, Los Angeles, Calif.; R. C. Hoyt, executor of said Ezra S. Hoyt, deceased, assignor to Hoyt Heater Company, a Corporation of California. Filed Apr. 5, 1923. Serial No. 629,991. 5 Claims. (Cl. 153—67.)

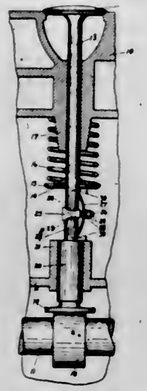


1. A coil winding machine comprising a rotatable mandrel having a helical groove in its surface, said mandrel having means to detachably secure the stock in said groove at one end thereof, a travelling collar having a complementary grooved member extending from one side thereof and registering with said helical groove, said collar embracing said mandrel and engaged with said groove, said mandrel forming a guide for said collar, and means to prevent rotation of said collar but permit longitudinal movement thereof.

1,505,348. AUTOMATIC TAKE-UP DEVICE. FRANCIS JERDONE, Jr., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1919. Serial No. 278,772. 7 Claims. (Cl. 123—90.)

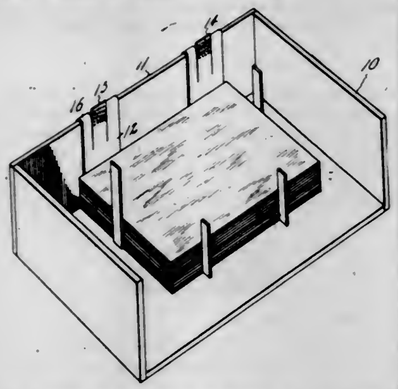
1. In an automatic take-up device, the combination of the valve stem and push rod of an internal combustion engine, a wedge mounted between the adjacent ends of said stem and push rod, each of said ends being in direct contact with the wedge and having means to prevent

lateral displacement thereof, an extension upon said wedge, a spring mounted upon said extension yieldingly



engaging said stem and said rod and acting to force the wedge therebetween, and means for holding said spring against displacement upon said extension.

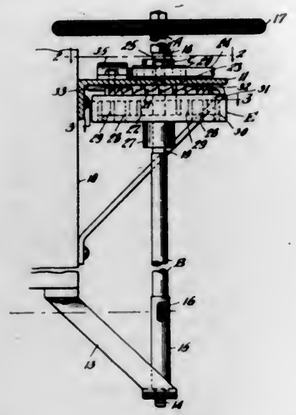
1,505,349. SHEET-SEPARATING ATTACHMENT. FRED N. JOHNSON and WILLIAM P. JOHNSON, Dallas, Tex.; said William P. Johnson assignor of his entire right to Charles F. Holmes, Dallas County, Tex. Filed Apr. 2, 1923. Serial No. 629,289. 2 Claims. (Cl. 271—61.)



1. A sheet separating attachment for printing devices comprising a plate, downturned hooks at the upper end of the plate, a finger slit from the plate between the hooks and having a roughened face, and a set screw for displacing the finger from the plate.

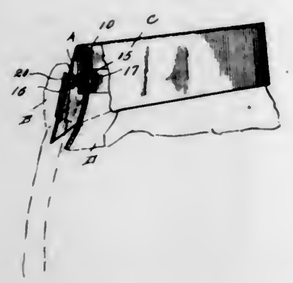
1,505,350. HAND BRAKE. GEORGE A. JOHNSON and JOHN F. O'CONNOR, Chicago, Ill., assignors, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Jan. 25, 1923. Serial No. 614,744. 3 Claims. (Cl. 74—119.)

1. In a hand brake, the combination with upper and lower brake staff sections; of a ratchet element and gear rotatable in unison with said upper staff section; means for rotating said upper staff section; a carrier member rotatable in unison with said lower staff section; horizontally arranged gears rotatably mounted on said carrier and meshing with said first named gear; a ring gear supported by and meshing with said carrier gears; and means positively engaging said ring gear for preventing rotation of said ring gear in a counter clockwise direction but permitting clockwise rotation thereof, all of said gears being bodily rotatable in unison for effecting take-up of the brake chain until a predetermined resistance is encountered, whereupon the friction between



said gears is overcome and said gears are rotated relatively to each other while said ring gear is held stationary, thereby multiplying the leverage ratio of said upper brake staff section.

1,505,351. NECKTIE FASTENER. EUGENE F. JOHNSON, Duluth, Minn. Filed Mar. 17, 1923. Serial No. 625,758. 1 Claim. (Cl. 24—64.)

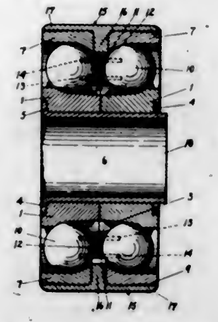


In a device for securing made-up neck ties in place, the combination with a made-up neck tie including a form plate on which the body of a neck tie is secured, a rearwardly extending resilient socket carried by the form plate and extending beyond the body of the necktie, of a collar button comprising a base, a shank, a conical head carried by the shank, and an outwardly extending tapered stud carried by the head adapted to be detachably fitted within said socket, as and for the purpose specified.

1,505,352. ANTIFRICTION BEARING. HARFORD C. KNOWLES, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed May 15, 1919. Serial No. 297,415. 6 Claims. (Cl. 64—36.)

4. In an anti-friction bearing, a pair of annular bearing members whose outer faces are conical with bases together, and an annular casing having an inwardly extending rib engaging adjacent end faces of said bearing members and having oppositely tapered interior faces for firmly engaging the conical faces of said bearing members.

6. The method of assembling a bearing of the character described which comprises positioning the two conical bearing members in opposite sides of the casing, radially



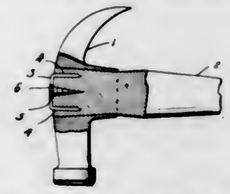
compressing the casing to fit the conical surfaces of the bearing members, and finishing off the exterior of the casing to give it cylindrical surface.

1,505,353. CAGE TRAP. JOHN MARTIN KUSSMAUL, Carbondale, Ill. Filed June 14, 1921. Serial No. 477,440. 1 Claim. (Cl. 43—61.)



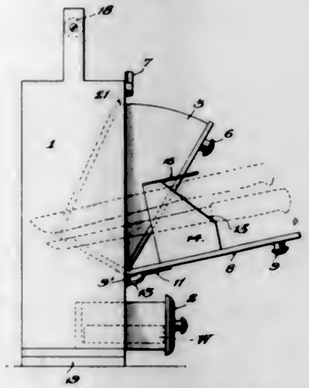
In a trap of the character described, a tubular body constituting a trapping compartment formed of an upper and lower longitudinal section, said lower section having one longitudinal marginal portion thereof bent outwardly in overlapping relation to provide a grooved flange, and the other longitudinal marginal portion formed with recesses, hinge-knuckles formed along one longitudinal edge of said upper section and positioned in said recesses, pivot means for securing said knuckles in said recesses, the other longitudinal edge of said upper section fitting in the groove of said flange to form a positive connection between the two sections, catches carried exteriorly upon the upper section, a shiftable bar carried by said lower section having a plurality of engaging fingers for simultaneously engaging said catches upon actuation of the bar, and an end wall common to both sections and carried by one of said sections.

1,505,354. TOOL-HANDLE FASTENER. LOUIS A. LAMARRE, Biddeford, Me. Filed Aug. 25, 1921. Serial No. 495,158. 1 Claim. (Cl. 306—33.)



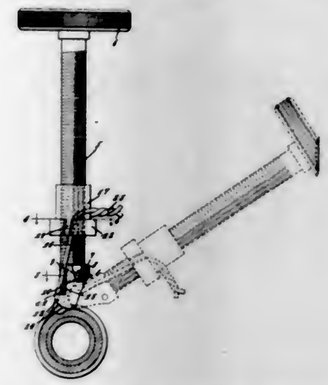
A wedge formed from a length of flat metal of the same width throughout and having bends across its faces and at right angles to its edges to define a bight portion and parallel arms having parallel flat inner faces in diametrically opposed relation to each other, and a combined wedging and fastening screw extending through the bight portion and positioned directly between the flat diametrically opposed inner faces of said arms with its diameter on a line normal to each of said flat faces whereby the material displaced by the combined wedge and fastening screw exerts a pressure on the flat inner face of each arm at right angles thereto.

1,505,355. KNIFE CABINET. PETER V. LARSEN, Sioux Falls, S. Dak. Filed Mar. 23, 1923. Serial No. 627,154. 8 Claims. (Cl. 206—15.6.)



1. In a butcher's cabinet, a vertically disposed body having an opening in its front, a knife carrier hinged at its lower end to the body and movable to close said opening, means to hold the carrier when in open position at an incline to the front of the body and a member secured to the carrier and projecting rearwardly of the inner face thereof and having a slot to receive a knife therethrough so as to hold the knife spaced from the inner face of the carrier and having a part formed to engage the inner end of the knife hilt to thereby restrict inward movement of the knife in the slot.

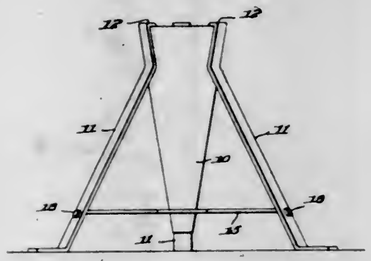
1,505,356. WIRE-TWISTING DEVICE. VICTOR E. LINDFORS, Butte, Mont., assignor of one-half to Jacob Maki, Butte, Mont. Filed Oct. 8, 1923. Serial No. 667,329. 1 Claim. (Cl. 81—93.)



A wire twisting device including a threaded shank, a head swiveled on one end of the shank, said head having diagonally disposed grooves formed in one surface thereof, said grooves defining lateral hook members and a central hook member, a wire drawing member movable on the threaded shank and having lateral slots, said slots adapted to receive a wire to secure a wire to the

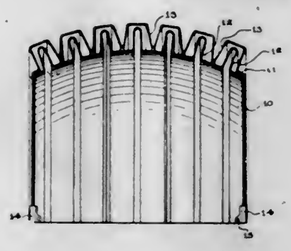
wire drawing member, the diagonally disposed grooves adapted to accommodate wire sections to hold the wire sections in spaced relation, said head adapted to engage the article around which the wire is being positioned, and said wire drawing member adapted to move longitudinally of the threaded shank when the threaded shank is rotated to cause the wire to be tightened around the article on which the wire is being positioned.

1,505,357. HOLDER FOR TREES AND THE LIKE. GUSTAV B. LINDQUIST, South Braintree, Mass. Filed Mar. 6, 1923. Serial No. 623,107. 4 Claims. (Cl. 248—38.)



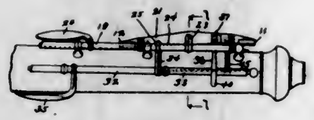
1. In a tree holder of the class described, a conical receptacle adapted to receive tree trunks of various sizes; a plurality of supporting legs for said receptacle, said legs being conically arranged with respect to the axis of said receptacle and having their upper ends bent to form hooks which closely but loosely engage the inner and outer walls of the receptacle adjacent the mouth thereof for an appreciable distance whereby downward pressure imposed upon said receptacle will cause it to wedge between said legs and thereby obviate the necessity of fastening means between said receptacle and said legs.

1,505,358. HAIR WAVER. SARAH A. LOGGINS, Marlin, Tex. Filed Sept. 29, 1923. Serial No. 665,670. 1 Claim. (Cl. 132—38.)



A hair waver comprising inner and outer shells curved longitudinally to fit about the head of the user and curved transversely, the inner shell having outwardly disposed longitudinally extending ribs spaced transversely of the shell and having straight sides and rounded ends, the outer shell having inwardly disposed longitudinally extending ribs fitting between the ribs of the inner shell and having converging sides whereby the space between the side faces of the ribs of the inner and outer shells increases in width towards the free ends of the ribs of the outer shell.

1,505,359. OCTAVE-KEY MECHANISM. ALLEN LOOMIS, Toledo, Ohio. Filed Sept. 14, 1921. Serial No. 500,483. 11 Claims. (Cl. 84—380.)



7. A key mechanism for wood wind instruments comprising two stoppers, a lever extending between said stoppers and articulated to both, a fulcrum support on which said lever is mounted and being arranged for swinging movement about the same axis with the stoppers, a spring actuated presser disconnectedly engaged with said lever arranged to apply force thereon toward the instrument body, a key, and a disengageable pressure transmitting member between said key and fulcrum support arranged to cause raising of said support when the key is pressed upon.

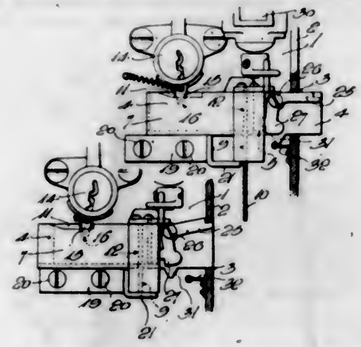
1,505,360. ROPE CLIMBING AND SUPPORTING DEVICE. ALVA LOWERY, Astoria, Oreg. Filed Nov. 13, 1922. Serial No. 600,674. 7 Claims. (Cl. 227—8.)

1. In a device of the class described, the combination of a supporting member, jaws movably mounted upon said supporting member including cam surfaces provided with spiral serrations therein, said jaws adapted to cooperate with a rope so that the spiral serrations therein may engage the contour of the rope strands to effect a clamping operation of the jaws on the rope upon movement of the supporting member in one direction along said rope.

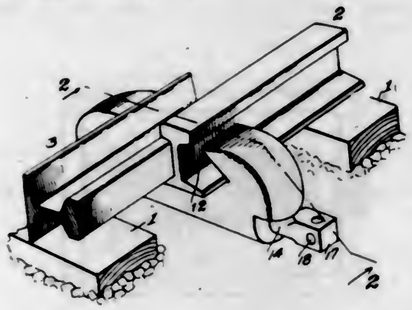
1,505,361. COIN-CONTROLLED LOCK. FRANK MCDANIEL, Detroit, Mich. Filed Feb. 19, 1923. Serial No. 619,960. 5 Claims. (Cl. 194—78.)

1. A coin-controlled lock comprising a bolt, an actuator for said bolt movable with respect thereto, said bolt and

actuator having spaced shoulders between which a coin may be inserted to operatively connect said bolt and actuator, and normally idle means brought into play by movement of the actuator with respect to the bolt for holding the latter against projecion.

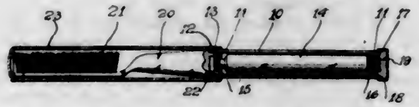


1,505,362. RAIL-CLAMPING DEVICE. JOHN E. MCGRANER, Harrisburg, Ill., assignor of one-third to Marvin Bradshaw and one-third to Roy Bradshaw, Harrisburg, Ill. Filed Mar. 21, 1924. Serial No. 700,846. 2 Claims. (Cl. 238—10.)



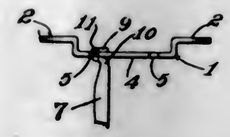
1. In an apparatus of the class described, the combination of a primary and an auxiliary jaw, said auxiliary jaw provided with a cone-like socket, said primary jaw provided with a cone-like wedge adapted to enter said socket, means for drawing the jaws together and holding the same in an assembled position, and a filler member assembled with said jaws.

1,505,363. TOILET CASE. CLYDE W. MATHER, Leonard, Colo. Filed May 6, 1922. Serial No. 558,959. Renewed Nov. 24, 1923. 3 Claims. (Cl. 132—84.)



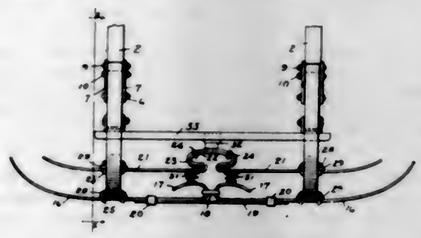
1. In a device of the type described and in combination, a tube, a brush removably engaged with one end of the tube, a cap enclosing the brush and engageable with the brush engaged end of the tube, a closure for the opposite end of the tube, and a dispensing tube having its base removably engaged with the closure and normally concealed within the tube, the tube engaging end of the brush being provided with a recess receiving the dispensing end of said dispensing tube.

1,505,364. CURTAIN SUPPORT. CLARENCE J. ALDEN, Painesville, Ohio, assignor to The Painesville Metallic Binding Company, Painesville, Ohio, a Copartnership composed of Clarence J. Alden and Percy K. Smith. Filed July 19, 1922. Serial No. 575,992. 2 Claims. (Cl. 156—22.)



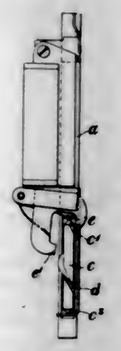
2. The combination with a bracket, of a curtain rod having a flat extension, a portion of said extension constituting a vertically disposed web, shoulders on said extension at either side of said web, said bracket having a narrow vertical slot for the reception of said web, the web being retained in place in said slot by means of said shoulders.

1,505,365. DOUBLE BUMPER. EDWARD A. BANSCHBACH, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,634. 13 Claims. (Cl. 293—55.)



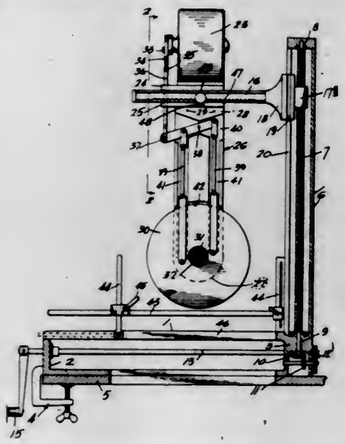
1. The combination with a vehicle frame and a running gear frame, of a pair of bumpers each supported separately from the two frames and one being within the other projecting from the ends of the frames.

1,505,366. COUNTING MECHANISM OF CALCULATING MACHINES. JAMES MARK MCGINNIS BARR, London, England. Filed Nov. 21, 1923. Serial No. 676,136. 3 Claims. (Cl. 235—91.)



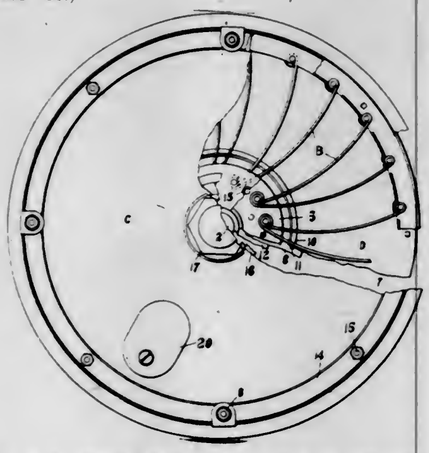
1. Means for releasing separate objects such as balls to the counting mechanism of a calculating machine comprising a reservoir for balls and a rotatable helix of which the pitch is equal to the length of the total number of balls to be released at one time, said helix being arranged in the path of the balls in the said reservoir.

1,505,367. MACHINE FOR CUTTING POCKETS IN GARMENTS. MATHEW F. BIERSDORF, Los Angeles, Calif. Filed Oct. 1, 1921. Serial No. 504,751. 9 Claims. (Cl. 164—74.)



1. In a machine for cutting pockets or the like in garments comprising a base to support said garments or the material for the same, a cutter, and means for independently moving said cutter vertically toward and away from the base and horizontally across the base.

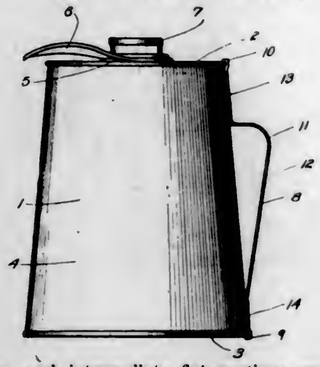
1,505,368. DISK WHEEL. DAVID D. BOHANNON, Oakland, Calif., assignor to Resilient Safe-Wheel Company, Oakland, Calif., a Corporation of California. Filed Mar. 19, 1923. Serial No. 626,060. 2 Claims. (Cl. 301—37.)



2. In a resilient wheel of the character described, a hub, a felloe, a disk secured to the hub, an annular disk secured to the felloe, said disk being slightly flared to contact with the hub disk and being constructed of a thin spring metal to exert a sufficient pressure to constantly maintain a rubbing contact, and a resilient packing member interposed between the disks.

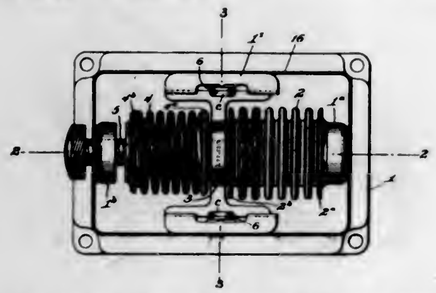
1,505,369. DISPENSING CAN AND HANDLE THEREFOR. SOL BROWN, New Orleans, La. Filed May 8, 1922. Serial No. 559,199. 1 Claim. (Cl. 220—94.)

In combination with a dispensing can having a peripheral head at its upper end and a peripheral bead at its lower end, of a removable handle comprising a strip having its intermediate portion bent to form an open spring-loop, providing a handle bent-over ends comprising hooks to removably engage the beads at the top and bottom



of the can, and intermediate flat portions connecting the hooked ends to the handle, the hooked portions lying snugly against the beads and the intermediate connecting portions lying snugly against the wall of the can to brace the handle with respect to the can.

1,505,370. THERMOSTATIC SWITCH. PAUL H. BUCH and HOWARD M. GROFF, Waterbury, Conn. Filed Apr. 20, 1920, Serial No. 375,225. Renewed Jan. 8, 1924. 7 Claims. (Cl. 200—67.)

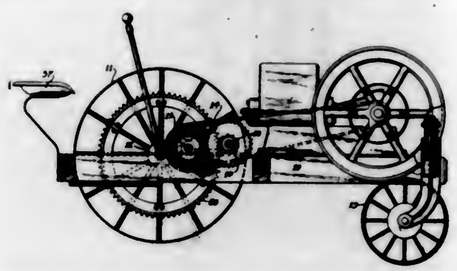


1. An automatic switch comprising a pivoted switch member, a terminal, a substantially U-shaped amplifying lever pivotally supported at the ends of the arms of the U, a tension spring connected to the switch member on one side of its pivot and to the amplifying arm on the opposite side of said pivot, a yoke pivotally connected with the arms of said lever, and means for moving said yoke.

1,505,371. TRACTOR TRANSMISSION MECHANISM. CHARLES H. BUTLER, Oakland, Calif. Filed May 3, 1922. Serial No. 558,050. 1 Claim. (Cl. 180—17.)

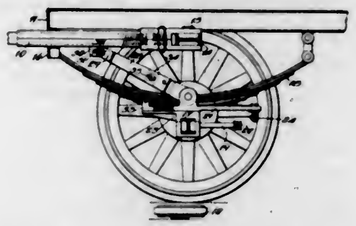
A tractor comprising a main frame, an axle at one end thereof, a castor wheel at the opposite end of the main frame, a motor on the main frame, a countershaft operatively connected by sprockets and chain with the motor, said countershaft extending parallel with the axle, a drive shaft for each traction wheel, said shafts being arranged in longitudinal alignment with each other and in parallelism with the countershaft, a driving pinion fixed at the outer end of each drive shaft, a spur gear fixed on each traction wheel with which gears said driving pinions mesh, a forward drive gear and a reverse drive gear rotatably mounted on each drive shaft, said reverse drive gears being disposed adjacent and at opposite sides of the longitudinal center of the main frame, an idler gear for each reverse gear, said idlers being journaled in bearing on the center sill of the main frame, drive gears fixed on

the countershaft in mesh with said idler gears, other driving gears on the countershaft in mesh with the forward drive gears on the drive shafts, clutch elements on the contiguous faces of the forward and the reverse gears of each drive shaft, a sliding sleeve splined on each drive shaft and interposed between the forward and reverse drive gears thereon, clutch elements at each of the ends of said sleeves for cooperation with the clutch elements on the forward and reverse drive gears, independent control



means for each of said sliding sleeves, each of said control means comprising a rock shaft having a yoke connected to the sleeve, said rock shaft extending to the axle, a lever on the axle to actuate said rock shaft, means for maintaining said sleeves in neutral positions, said means comprising transverse rods fixed to the main frame, and lugs depending from the rock shafts and engaging said rod, and compressible springs on the rods pressing against the sides of the lugs.

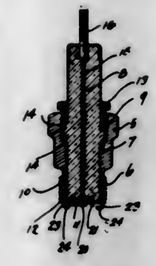
1,505,372. TRAILER TRUCK. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed Apr. 7, 1920. Serial No. 371,842. Renewed July 7, 1922. Serial No. 573,455. 6 Claims. (Cl. 280—33.55.)



1. A trailer truck having, in combination, a body frame, an axle having swiveled carrying wheels thereon, springs supporting said frame on said axle, a draw bar pivotally mounted on said frame, a steering lever pivoted on a vertical axis on said axle and connected with said wheels, a second lever having its front end detachably connected to said draw bar at a point inward from the end of said body frame and having its rear end connected to said steering lever to rock up and down thereon but to cause rotation of said steering lever about its axis, and means rigid with said axle with which said second lever is arranged to interengage when detached from the draw bar whereby to hold the wheels at right angles to the axle.

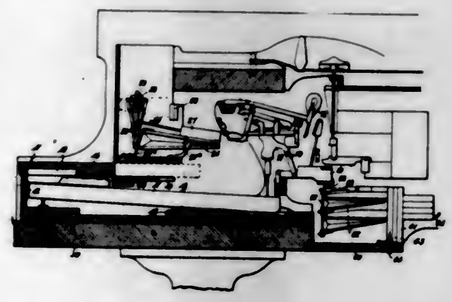
1,505,373. SPARK PLUG. LOYD PINKNEY CARPENTER, Palestine, Tex. Filed Oct. 19, 1920. Serial No. 417,880. 2 Claims. (Cl. 123—169.)

1. A spark plug comprising a metal body casing, an insulating core, a plurality of ground electrodes carried by the casing in depending relation therefrom, a main electrode carried by the insulating core having a depending multi-pointed head thereon, a point being provided for each ground electrode, and a plurality of neutral electrodes relatively insulated from each other and carried by said core in depending relation, a neutral electrode being provided for each point of the multi-pointed head and being placed between its respective point of said multi-pointed head and one of the neutral electrodes whereby



during operation a spark may first jump from the point of the main electrode head to its respective neutral electrode and then to the ground electrode adjacent the same, said core being adjustable in the body casing whereby the distances between the ground electrodes and their respective neutral electrodes may be varied.

1,505,374. RECORD-CONTROLLED GRAND PIANO. TOLBERT F. CHEEK, New York, N. Y., assignor to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed July 13, 1923. Serial No. 651,344. 19 Claims. (Cl. 84—27.)

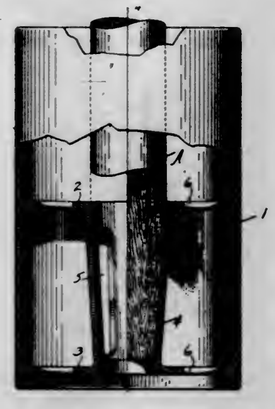


5. A record controlled grand piano comprising a piano action having wippens, a keybed, keys mounted on the keybed, means mounted on the rear of the keys for operating the wippens, a pneumatic unit comprising pneumatics having a rigid mounting relative to each other, the unit, including the pneumatics, being above the bottom of the keybed, the unit having movable abutments operated by the pneumatics and in position to operate movable portions of the piano action, means for securing the unit in place, the rearward edge of the keybed being forward of the greater portion of the pneumatic unit, the piano having an opening through which the unit may be removed through the bottom of the piano upon loosening the securing means.

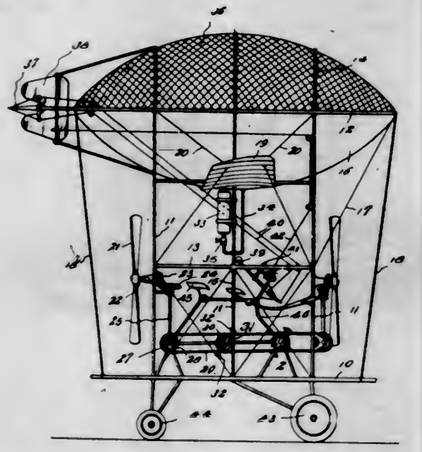
1,505,375. PUTTING CUP. WILLIAM J. CHENOWETH, Decatur, Ill. Filed June 9, 1922. Serial No. 566,931. 2 Claims. (Cl. 46—4.)

1. A putting cup made in one piece and comprising a cylindrical member formed with spaced annular partitions, one of such partitions being approximately centrally located and the other being located at or near the base of said member and both provided with an annular row of

spaced drain openings, and an axially disposed marker staff receiving and aligning sleeve connecting said partitions, the arrangement of sleeve in its relation to said partitions and said member providing an uninterrupted space around said sleeve and between said partitions.



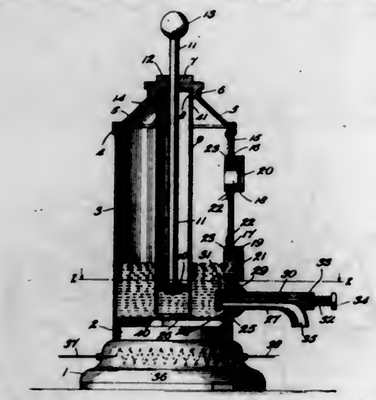
1,505,376. AIRSHIP. CHARLES S. CLOSE, Bolivar, Pa. Filed Oct. 9, 1922. Serial No. 593,372. 1 Claim. (Cl. 244—6.)



An airplane comprising a horizontal base, a plurality of inverted U-shaped members supported thereon, a horizontally arranged substantially elliptical rim secured thereto adjacent their upper ends, rearwardly extending arms carried by the latter, a rudder supported by the arms, wings extending laterally from opposite sides of the inverted U-shaped members and an inflatable bag positioned in the elliptical rim, a foraminous covering overlying the inflatable bag, braces secured to the rim and base and means for propelling the device.

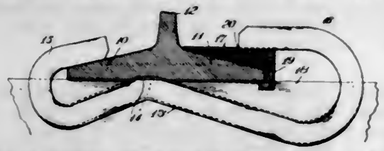
1,505,377. SANITARY LATHER PRODUCING AND DISPENSING APPARATUS. LUIGI A. D'ALESSANDRO, New York, N. Y. Filed Nov. 14, 1922. Serial No. 600,902. 4 Claims. (Cl. 221—94.)

1. A device of the class described comprising a container; a closure member removably secured to said container; means carried by said closure member for agitating the contents of said container; and a controlled outlet



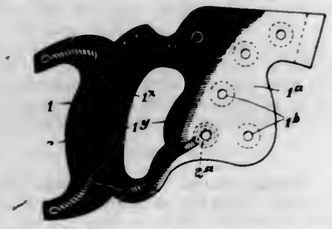
adjacent the bottom of said container, from which said contents may flow by gravity.

1,505,378. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1923. Serial No. 659,584. 10 Claims. (Cl. 238—329.)



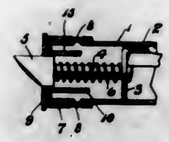
1. A rail anchor comprising a body adapted to extend across the bottom face of a rail, jaws carried by said body and overlying the upper faces of the flanges at opposite sides of the rail, the body comprising a bearing for the bottom face of the rail located between the jaws, the parts being so arranged that the device is applicable to a rail from one side thereof and is tightened thereon by transverse movement of the body and jaws with respect to the rail, and comprising a member interposed between one jaw and the upper face of the adjacent flange and provided with a shoulder serving by engagement with the said jaw normally to prevent a reverse loosening movement of the body and the jaws on the rail, said member having a bearing on the outer edge of the adjacent flange for holding the member against movement inwardly with respect to the flange.

1,505,379. TOOL HANDLE. EARLE W. DERR, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 26, 1923. Serial No. 664,910. 1 Claim. (Cl. 145—113.)



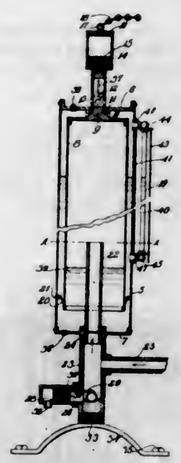
A scroll handle for a hand saw formed of hard sponge rubber with a hard rubber surface and reinforced by a wire following the general contour of the handle, and providing a stiffening means for the blade receiving part of such handle.

1,505,380. LATCH CONSTRUCTION. LUCIEN A. DEXTER, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Feb. 9, 1922. Serial No. 535,217. 5 Claims. (Cl. 292—337.)



2. In a latch construction, a face plate having an opening therethrough, a cap for sheet metal located against the rear side of the plate and likewise having an opening therethrough in conjunction with the opening in the plate, means permanently connecting the plate and cap together, and a tongue struck from both the plate and cap extending to the rear into said cap, said tongues extending at opposite sides of the openings and being located in parallel relation to each other.

1,505,381. AUTOMATIC FLUID-CONTROL DEVICE. CHARLES H. EASTMAN, Boston, Mass. Filed Feb. 2, 1922. Serial No. 533,727. 14 Claims. (Cl. 50—30.)

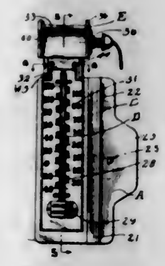


1. An automatic fluid control device having, in combination, a hollow casing closed at its opposite ends, a hollow float in said casing closed at its upper end and open at its lower end, liquid in said casing forming a liquid seal between said casing and float, means to convey fluid to the interior of said float above the liquid therein, a member outside said casing and connected to said float whereby instrumentalities outside said casing may be operated and means operated by said float to open and close communication between the interior of said casing and the atmosphere.

1,505,382. PROCESS OF MANUFACTURING FORMOLOPHENOLIC VARNISHES AND THE LIKE. JOSEPH FILHOL, Lyon, France. Filed June 24, 1920. Serial No. 391,463. 4 Claims. (Cl. 260—4.)

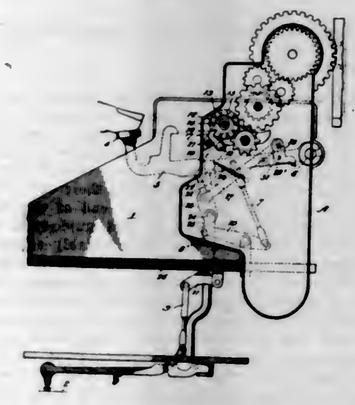
1. A process of manufacturing formolophenolic products consisting in preparing a product of formolophenolic condensation in an alkaline medium, gradually heating same to between 75° and 80° C. until viscosity approaches that of the limit state of polymerization, separating therefrom, in a liquid state the major part of the aqueous liquid, dehydrating the product and then treating the product with a catalyzer composed of acid ester and alcohol, the polymerization being then continued at not above 70° C., until the ultimate hardening stage.

1,505,383. WINDSHIELD THERMOMETER. MAYNARD L. FLICKINGER, Boston, Mass. Filed Mar. 31, 1922. Serial No. 548,493. 4 Claims. (Cl. 73—52.)



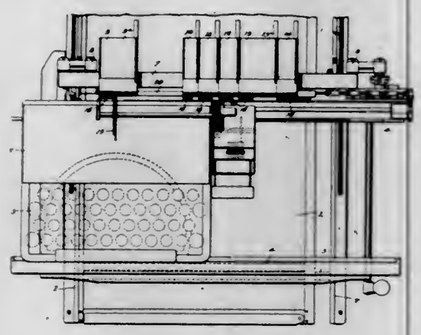
1. As a new article of manufacture, an attachment of the class described including a substantially rectangular body plate, an angularly related flange formed on one end of the plate, a supporting foot formed on the flange and disposed at right angles thereto, an inserting tongue formed on the foot having a less width than the attaching foot said flange having an opening therethrough.

1,505,384. CLEAR-SIGNAL MECHANISM FOR WRITING-ADDING MACHINES. HARRY ARTHUR FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Dec. 31, 1920. Serial No. 434,253. 6 Claims. (Cl. 235—59.)



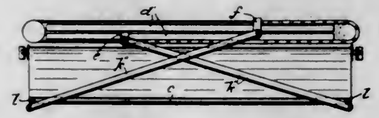
1. In a machine of the character described, the combination with an adding mechanism, of a clear signal printing mechanism, a device co-acting with the adding mechanism and controlled thereby, a member movable into and out of position to arrest the movement of the printing mechanism and controlled by said device, and a yielding connection between an element of the printing mechanism and said arresting member.

1,505,385. DEBIT AND CREDIT DISTRIBUTION FOR WRITING-ADDING MACHINES. HARRY ARTHUR FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Dec. 31, 1920. Serial No. 434,250. 8 Claims. (Cl. 235—59.)



1. In a machine of the class described, the combination with a plurality of registers, of a normally stationary laterally movable platen, printing and actuating mechanism operative to print values in a column and to accumulate said values in a register, and means for shifting the platen laterally to permit other items printed in the same column to be accumulated in a different register.

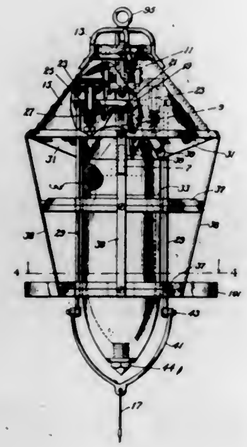
1,505,386. SUNBLIND AND THE LIKE. EDWARD CHISMON GOLDING, London, CHARLES PERKS, Barnes, and ALFRED JOSEPH PEMBERTON, Southend-on-Sea, England. Filed Aug. 29, 1923. Serial No. 659,976. 2 Claims. (Cl. 156—44.)



2. A device of the class described comprising a flexible blind, a spring roller upon which said blind is wound, a stiff rail secured along the outer edge of said blind, a pair of guide-rails arranged in superposed relation extending parallel to said roller, a pair of rods for projecting and retracting said blind having their outer ends connected to said stiff rail, the inner end of one rod being slidably engaged with one of said guide-rails and the inner end of the other rod being slidably engaged with the lower edge of said guide-rail, the inner end of each rod traversing the full length of the guide rail with which it is engaged, an endless band mounted for movement with its upper and lower stretches disposed adjacent the upper and lower guide-rails respectively, means for operating said band, means connecting the inner end of one of said rods to the upper stretch of said band, and means connecting the inner end of the other rod to the lower stretch of said band.

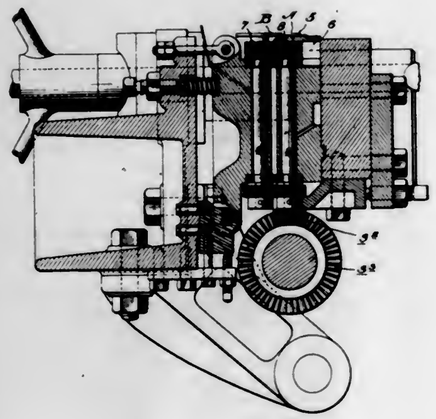
1,505,387. AERIAL BOMB. JOHN B. HADAWAY, Swampscott, Mass. Filed May 28, 1921. Serial No. 473,523. 9 Claims. (Cl. 102—2.)

3. An aerial explosive device comprising a pilot bomb adapted to explode by impact, a follower bomb having a time detonator, a reel carried by one of the bombs, a filament wound upon the reel and having its free end fastened to the other bomb, and a controlling member



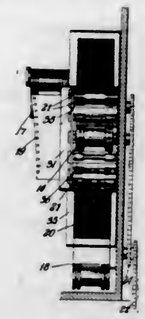
adapted to set before the bombs are launched for arresting the unwinding of the reel and thereby predetermining the length of the filament which will be paid out.

1,505,388. DIE FOR METAL-EXPANDING MACHINES. JOSEPH A. HALLS, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Aug. 30, 1922. Serial No. 585,248. 6 Claims. (Cl. 164—58.)



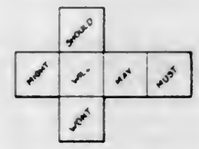
1. A die for metal expanding apparatus comprising a body having on one face thereof and at each side of its transverse center a plurality of obliquely extending shoulders, said shoulders facing outwardly at opposite ends of the die.

1,505,389. FILM-REEL DEVICE. CHARLES F. HERM, Pelham, N. Y. Filed Dec. 28, 1921. Serial No. 525,387. 16 Claims. (Cl. 88—18.7.)



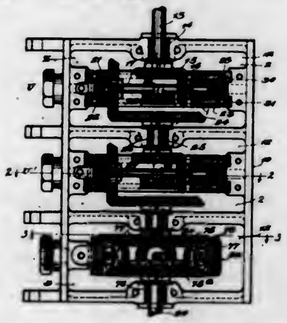
1. A reel device for endless films, comprising separable heads, one of which is adapted to carry a film roll, means on the other for supporting the film roll, and means for withdrawing film therefrom.

1,505,390. AMUSEMENT DEVICE. KAYE HOPE HAMILTON and CECILIA HARDMAN, San Francisco, Calif. Filed June 14, 1922. Serial No. 568,123. 2 Claims. (Cl. 46—56.)



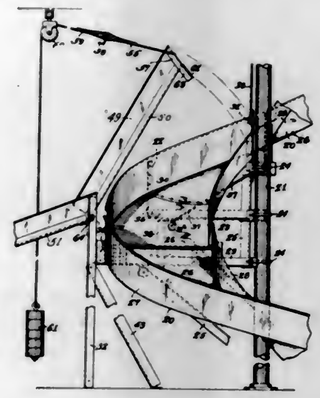
1. An amusement device comprising a plurality of dice, one of said dice carrying pronouns on its various facets, another carrying auxiliary verbs on its various facets, another carrying nouns on its various facets, and another carrying verbs on its various facets, whereby one word of a die considered collectively with a word of each of the other dice will form a sentence.

1,505,391. TRANSMISSION. RAYMOND N. ICKES, Altoona, Pa. Filed Mar. 13, 1922. Serial No. 543,378. 5 Claims. (Cl. 74—34.)



1. In combination with a power transmission device, power units forming the device, a frame in each unit, means for rotating the frame, a shaft carried in the frame, bevel gears on the shaft, a lug on the shaft, a locking bar adapted to engage the lug to prevent rotation and means for engaging and disengaging the bar from the lug.

1,505,392. SPIRAL CHUTE. EDMUND R. JOHNSON, Philadelphia, Pa., assignor to Haslett Chute and Conveyor Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1922. Serial No. 597,810. 12 Claims. (Cl. 193—13.)



1. The combination of a spiral chute, a second spiral chute spaced from and lower than the first, a swinging chute section adapted to join the spiral chutes and to be swung free therefrom, and a swinging adjoining chute adapted interchangeably with the free end of the section to connect with an end of one of the spiral chutes.

1,505,393. VANITY BAG AND THE LIKE. NATHAN KASDAN, Bronx, N. Y. Filed Jan. 16, 1922. Serial No. 529,566. 3 Claims. (Cl. 150—46.)

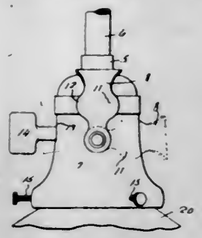


1. A hand-bag comprising a flexible holding-portion or bag proper and a metal frame at the mouth thereof having a cover, said holding-portion comprising an outer fabric layer and an inner fabric layer sewed together along their peripheral edges, and said frame being annular and of approximately inverted U-shape in vertical section forming two depending spaced-apart flanges, the peripheral mouth portions of the bag having concealed between the layers thereof a ring and being, with said ring, secured between said flanges, said ring initially lying loosely between the outer and inner layers of the bag and the line of sewing connecting said layers being outwardly from and independent of said ring, which has the fabric layers suspended from it, the inner fabric layer extending downwardly through the ring and the outer fabric layer extending downwardly from the outer periphery of the ring.

1,505,394. SHADE OR GLOBE SUPPORTING MEANS. WILLIAM L. KORNFELD and ARTHUR R. ENGLANDER, Cleveland, Ohio, assignors of one-fifth to Arthur P. Gustafson, Cleveland, Ohio. Filed June 5, 1922. Serial No. 565,957. 5 Claims. (Cl. 240—132.)

1. For use with a lamp socket having a circumferential enlargement, a globe holder comprising a casing designed to fit over the lamp receiving end of the socket and conceal the same and have its inner end engaged with said enlargement, and a bail hingedly connected to op-

posite sides of the casing and adapted to be swung over the end of the socket remote from the lamp receiving



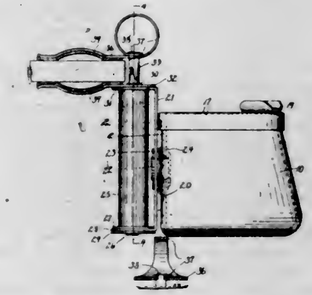
end for positively holding the casing against withdrawal from the socket, the casing being provided with globe attaching means.

1,505,395. METHOD OF PRODUCING JEWEL SETTINGS. JACQUES KREISLER, New York, N. Y., assignor to Jacques Kreisler & Co., a Firm composed of Jacques Kreisler and Adele Stern, New York, N. Y. Filed Apr. 21, 1921. Serial No. 463,431. 2 Claims. (Cl. 29—10.)



2. A method of making a jewel setting of the character described, which consists in first cutting an arcuate blank having integral flared prongs, then forming said blank and making suitable markings on each prong, joining the prongs by bridges soldered to the opposite edges of said prongs at the markings thereof, and then bending said arcuate blank so as to form an annular bezel having the prongs extending in upright formation about said bezel.

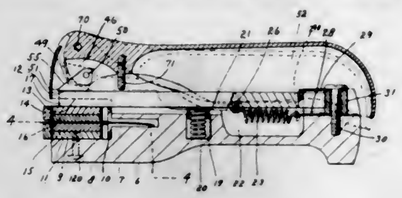
1,505,396. COMBINED ASH TRAY AND MATCH-BOX HOLDER. KENNETH F. LEES, New Haven, Conn. Filed May 15, 1922. Serial No. 560,946. 4 Claims. (Cl. 131—51.)



1. A combined ash-tray and match-holder, comprising a container, a yoke having a central portion and two ends, the container pivotally connected with the central portion between the said ends and clamping means with which the two ends of the yoke are pivotally connected.

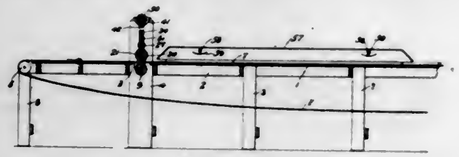
1,505,397. EMBOSSNIG DEVICE. JESSE D. LYON, Cincinnati, Ohio. Filed Oct. 6, 1922. Serial No. 592,715. 11 Claims. (Cl. 101—3.)

1. In a device of the class described the combination of a fixed die, a movable die, means yieldingly resisting movement of the movable die toward the fixed die, an end abutment for the movable die slidably engaging the



movable die, and means yieldingly retaining the movable die in engagement upon the end abutment.

1,505,398. PRINTING MECHANISM. CHENEY A. MCEACHRON, Grand Rapids, Mich., assignor to Alabastine Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Apr. 3, 1922. Serial No. 549,115. 6 Claims. (Cl. 101—183.)



1. In a machine of the character described, an endless carrying belt located substantially horizontal, means to drive the same, a plurality of spaced apart printing rollers located over the belt to print sheets carried thereunder by the belt, and elongated drying means located over the belt beyond printing roller, substantially as described.

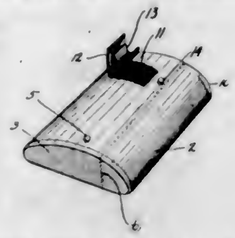
1,505,399. PLASTER LATH. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif. Filed May 29, 1923. Serial No. 642,196. 1 Claim. (Cl. 72—116.)



A plaster lath comprising a body, gravel sprinkled thereon, means for adhering the gravel to the body, interstices being formed between the particles of gravel and the adhesive means, and a coating of waterproofing material over the exposed surfaces of the gravel particles and the adhesive means but not filling up the interstices therebetween.

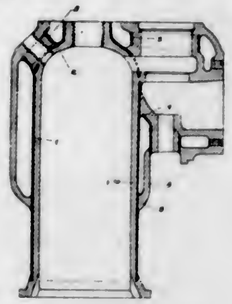
1,505,400. POCKET ASH CASE. HARRY P. MATTHEWS, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,028. 4 Claims. (Cl. 206—38.)

4. A combined ash and match box case including a box having an inner wall extending from end to end to divide the case into an ash-receiving compartment and a match-receiving compartment, one end of the box forming a hinged closure to uncover both of said compartments at one time to discharge contents thereof, the other end of the case having an opening into the match-receiving com-



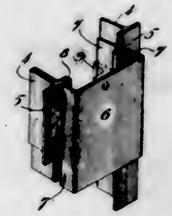
partment, a hinged spring closure and latch therefor, the ash-receiving compartment having an opening in one side and a hinged spring-closure and latch therefor, the last mentioned spring-closure comprising means forming a seat for a cigar or cigarette when in open position.

1,505,401. CASTING AND IN THE PROCESS FOR ITS MANUFACTURE. ERNEST MAYER, Antwerp, Belgium. Filed Mar. 14, 1922. Serial No. 543,754. 2 Claims. (Cl. 22—203.)



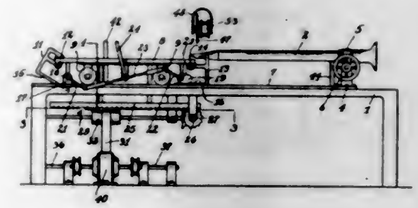
1. A casting having relatively thick and relatively thin portions, in combination with metal sheets, the sheets being positioned on the surfaces of the relatively thin portions, and embedded in the casting in the relatively thick portions, so as to be enveloped by the casting, the changes from the surface positioning to the embedded positioning occurring at points where there is an abrupt change of thickness in the casting.

1,505,402. MULLION COLUMN. BERNARD T. MESKER, St. Louis, Mo., assignor to Mesker Brothers Iron Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 13, 1922. Serial No. 600,568. 5 Claims. (Cl. 189—75.)



1. In combination, a metal sash element comprising a multi-flanged structural shape, and a metal sash engaging member having a side contour which parallels at least two of the flanges of said element and embraces opposite sides of at least one of the flanges of said element.

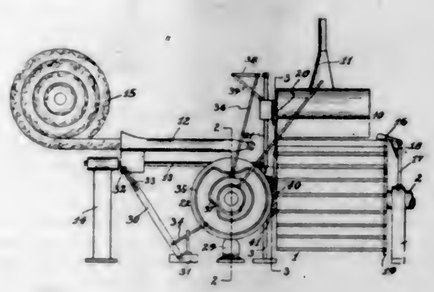
1,505,403. SEAT-PADDING MACHINE. ALLISTER S. MITCHELL, Oakland, Calif., assignor to California Cotton Mills Company, Oakland, Calif., a Corporation of California. Filed June 16, 1923. Serial No. 645,891. 11 Claims. (Cl. 226—43.)



1. A padding machine comprising a bed, a plurality of filling tubes mounted on said bed, a table reciprocally mounted on said bed and means at the forward and rear edges of said table adapted to alternately hold and release the work mounted thereon.

11. A padding machine comprising a table upon which the article to be padded is adapted to be placed, said article having pockets formed therein, tubes positioned in front of said table, said tubes having the padding threaded therein, means to reciprocate said tubes into said pockets, means to cut the padding, an arm pivoted at the rear of said table, and means to actuate said arm to press against the pockets in said article when the tube has been inserted.

1,505,404. SEAT-PADDING MACHINE. ALLISTER S. MITCHELL, Oakland, Calif., assignor to California Cotton Mills, Oakland, Calif., a Corporation of California. Filed Aug. 23, 1923. Serial No. 658,933. 20 Claims. (Cl. 225—44.)

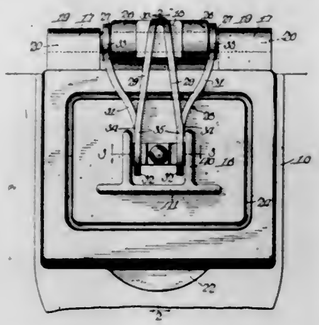


1. A padding machine comprising a drum, vacuum means within said drum whereby the back to be padded is held on the drum a filling tube reciprocally mounted adjacent said drum, means to reciprocate said tube, and means to rotate said drum.

1,505,405. JOURNAL BOX. JOHN L. MOHUN, Omaha, Nebr. Filed June 15, 1923. Serial No. 645,509. 10 Claims. (Cl. 64—23.)

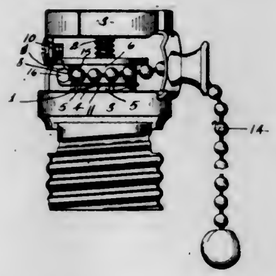
1. In a journal, the combination with the box proper and lid pivotally connected to the box proper to swing about an axis parallel to one of the edges of the lid, said box having a spring bearing lug; of means for applying a substantially equally distributed yielding pressure against the outer face of the lid substantially at

the center thereof, said means comprising a spring element having an end thereof attached to the box proper



and another portion thereof bearing on said lug, said spring element having a portion therein bearing upon the outer face of the lid.

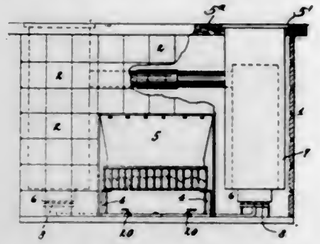
1,505,406. PULL-CHAIN ELECTRIC SWITCH. HARRY J. MOREY, Syracuse, N. Y., assignor to Pass & Seymour Inc., Solvay, N. Y., a Corporation of New York. Filed July 23, 1920. Serial No. 398,500. 2 Claims. (Cl. 173—354.)



1. In a pull cord electric switch mechanism, the combination of a member movable about an axis and having a channel for the cord and a wall extending transversely across the channel and formed with an angular flange extending in a circumferential direction and also with an angular slot having an arm extending transversely of said wall and an arm extending in a direction lengthwise of said flange, one of the walls and the last mentioned arm of the slot being arranged nearer the axis of said member than the opposite wall and a cord extending through the transverse arm of the slot and having a head on one side of such transverse wall, such cord with the head thereon being placeable in the transverse arm of the slot through the circumferentially extending arm of the slot, substantially as and for the purpose specified.

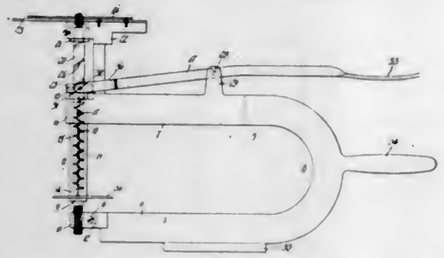
1,505,407. FIREPLACE. WALTER MORK, Berkeley, Calif., assignor of one-half to Karl Wilander, Berkeley, Calif. Filed July 24, 1922. Serial No. 576,955. 2 Claims. (Cl. 126—123.)

1. In a fire place structure, a front wall having a rectangular opening centrally located near the bottom thereof, said opening adapted to receive a fire place grate, vertical end walls, a top member supported by said walls and constituting the ledge of the fire place, the top member having openings therein near its ends, a gas heater unit built into said fire place within said walls and at each side of the opening in the front wall, said units being connected with the top member so as to discharge heated air through said top member, the walls of said fire place being constructed to provide openings



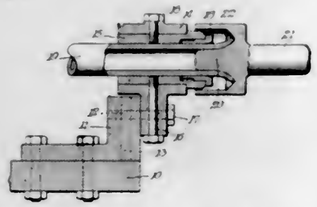
near the bottom of the fire place through which air may be drawn by the heater units, combustion chambers in each of said units, and means for connecting both of said combustion chambers with a single outlet pipe.

1,505,408. SHEET-MATERIAL-MEASURING DEVICE. ERNEST E. MORSE, Woburn, Mass. Filed June 18, 1923. Serial No. 646,002. 6 Claims. (Cl. 33—147.)



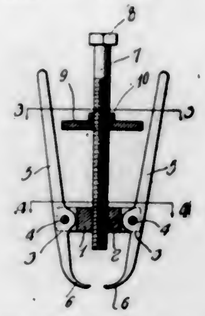
1. A device for measuring the thickness of sheet material having, in combination, a stationary contact member, a slidable contact member oppositely disposed thereto, a frame upon which said contact members are mounted, means to impart a reciprocatory motion to said slidable contact member, a shaft provided with a helical groove and rotatably mounted on said frame, an indicator fast thereto and a projection on said slidable contact member projecting into said helical groove, whereby when said sliding contact member is moved, said shaft will be rotated.

1,505,409. PIPE-FLANGING TOOL. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, Decatur, Ill., as trustee. Filed Nov. 26, 1921. Serial No. 517,943. 17 Claims. (Cl. 153—79.)



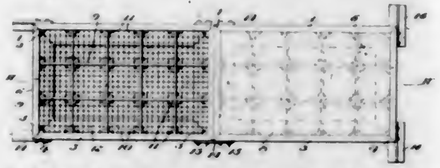
1. A pipe flanging tool having a tapered member to enter and by contact therewith while being moved longitudinally expand a pipe, and a stop member radially offset from said tapering member, and having its operative face extending transversely of the length of the tapering member.

1,505,410. TERMINAL PULLER. GEORGE ALBERT NELSON, Lindsborg, Kans. Filed Dec. 17, 1923. Serial No. 681,252. 1 Claim. (Cl. 29—84.)



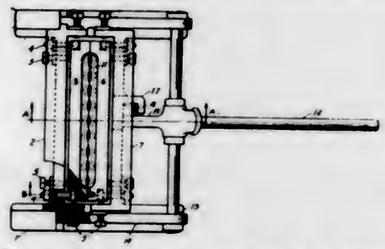
A device of the class described comprising a cross head having a central transverse opening, a pair of elongated levers fulcrumed near one end to the ends of said cross head and having jaws on said one end, the other ends of said levers being in diverging relation with each other, a screw between said diverging lever ends threaded through said central opening, and a lever spreader slidable freely along said screw for contact with said diverging lever ends to prevent inward movement thereof and consequent release of said jaws.

1,505,411. PAVEMENT. JOHN NEWELL, Scarsdale, N. Y. Filed July 11, 1922. Serial No. 574,132. 3 Claims. (Cl. 94—12.)



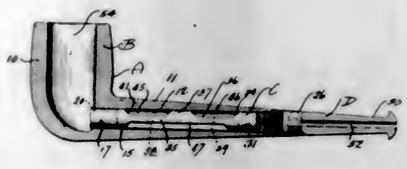
1. A paving block comprising a frame having a plurality of transverse and longitudinal strips forming pockets, said frame having a marginal horizontal flange for supporting said strips, angle brackets connecting said strips in the corners of the pockets, reinforcing mesh material supported in said pockets on said brackets, and a filling of concrete in the frame covering said strips and reinforcing mesh material.

1,505,412. CASTING MACHINE. JOHN NEWMAN, Oakland, Calif. Filed May 9, 1922. Serial No. 559,580. 5 Claims. (Cl. 92—153.)



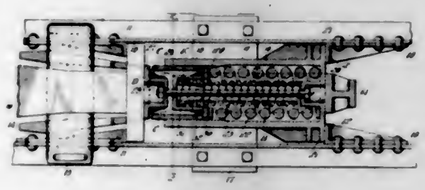
1. In a casting machine, in combination, a stationary supporting frame and a mold member, a movable supporting frame and mold member, said members being adjustable vertically, longitudinally and laterally with relation to the stationary and movable frame and out of contact therewith by tap bolts, and said members adapted to be rigidly supported in adjusted position by holding bolts tensioned against said tap bolts.

1,505,413. NICOTINE FILTER FOR TOBACCO PIPES. OLLIE EARL NICHOLS, Crutchfield, Ky., assignor of one-half to William Simpson Sent, Crutchfield, Ky. Filed Apr. 18, 1922. Serial No. 555,491. 2 Claims. (Cl. 131—12.)



1. As an article of manufacture, a filter for tobacco pipes including cylindrical shaped ends connected by a relatively flat reduced intermediate portion, one of said ends having a groove extending longitudinally through the same to communicate above the top surface of said reduced intermediate portion, the other of said ends having a passageway extending axially and longitudinally therethrough provided with an offset forward end opening upwardly above the top surface of said reduced flat intermediate portion, said intermediate flat portion having a projection of arcuate cross section extending upwardly of the top surface thereof intermediate the ends of said member and having an unbroken arcuate upper face, saidf intermediate portion apertured transversely therethrough upon opposite sides of said upwardly extending projection.

1,505,414. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Oct. 4, 1920. Serial No. 414,664. 3 Claims. (Cl. 213—31.)

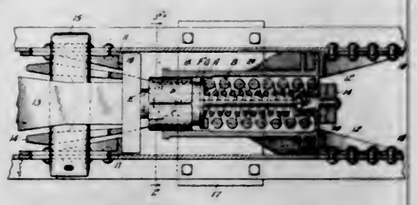


1. In a friction shock absorbing mechanism, the combination with a friction shell and spring resistance: of a plurality of flexible, resilient elements arranged to cooperate with said shell as friction shoes, said elements being arranged in two groups with those of one group alternated with those of the other group, each of said elements being of wedge shape in a lengthwise direction, said elements cooperating with each other as wedges, and all of the elements, considered as a unit, being capable of expansion and contraction.

1,505,415. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 1, 1920. Serial No. 421,168. Renewed Feb. 11, 1924. 7 Claims. (Cl. 213—32.)

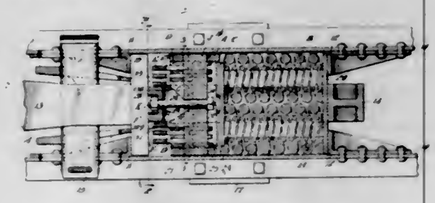
2. In a friction shock absorbing mechanism, the combination with a friction shell: of a spring resistance: and a friction unit movable as an entirety longitudinally of the shell and cooperable with the shell and spring resistance, said unit comprising, a plurality of friction

shoes, outer wedging means having wedge faces cooperable with wedge faces on the shoes, and inner wedging



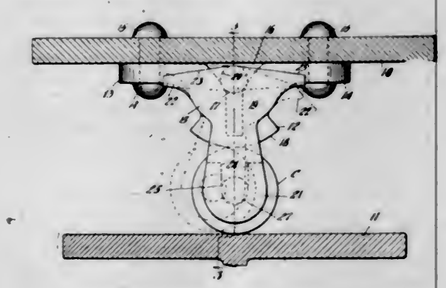
means having wedge faces cooperable with other wedge faces on the shoes, all of said wedge faces being longitudinally overlapped.

1,505,416. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 8, 1921. Serial No. 499,211. 9 Claims. (Cl. 213—33.)



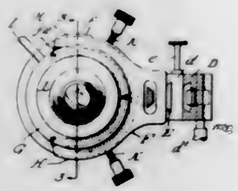
1. In a friction shock absorbing mechanism, the combination with a column-load-sustaining member having a hollow section; of a plurality of relatively stationary friction plates within said hollow section; a readily removable key extending centrally through said plates, anchoring the same to the sides of said member against movement longitudinally thereof; a plurality of relatively longitudinally movable friction plates intercalated with said stationary plates and all responsive to lateral pressure; a spring resistance; and pressure-transmitting and lateral-pressure-creating means coopernble with said intercalated plates.

1,505,417. SIDE BEARING FOR RAILWAY CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Jan. 5, 1923. Serial No. 610,757. 12 Claims. (Cl. 64—64.)



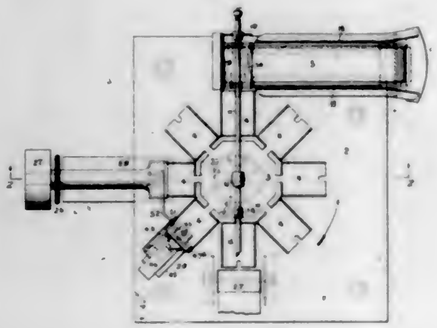
1. In a side bearing for railway cars, the combination with a supporting member having a convex lower bearing face; of a pendulum swingingly supported by said member; and an anti-friction roller carried by said pendulum and co-operable with said convex bearing face.

1,505,418. MICROSCOPE SUBSTAGE. HARVEY N. OTT, Buffalo, N. Y., assignor to Spencer Lens Co., Buffalo, N. Y. Filed May 25, 1923. Serial No. 641,423. 18 Claims. (Cl. 88—39.)



1. A microscope substage including a forked member which is adjustable in a direction parallel with the optical axis of the microscope, and guide means on said forked member adapted to receive substage parts in a direction at an angle to said optical axis.

1,505,419. MACHINE FOR INSERTING SUSPENSION DEVICES IN TOILET-PAPER PACKAGES. PHILIP D. PARSONS, Philadelphia, Pa., assignor, by mesne assignments, to Scott Paper Company, a Corporation of Pennsylvania. Filed Feb. 25, 1922. Serial No. 539,318. 11 Claims. (Cl. 1—40.)

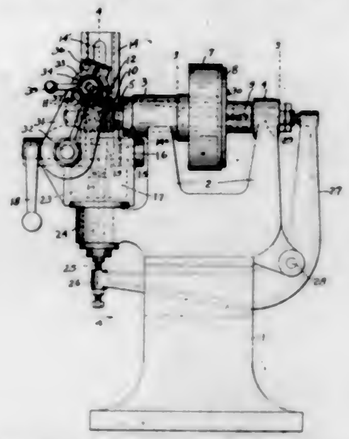


1. In a machine of the character stated, the combination of a perforating mechanism having a vertically reciprocable perforating member for perforating a paper package, with a vertically reciprocating mechanism for inserting a metallic tongue through the perforation in the paper package for holding the sheets thereof together as a unit, conveying means providing horizontal surfaces upon which the paper packages lie for successively feeding paper packages to the perforating mechanism and to the metallic tongue inserting mechanism, and means for intermittently operating the conveying means, the perforating mechanism and metallic tongue inserting mechanism in timed relation with respect to each other.

1,505,420. MACHINE FOR REMOVING BURS FROM GEARS. LORIS PETERSEN, Detroit, Mich., assignor to Joseph F. Lannen, Detroit, Mich. Filed Feb. 19, 1923. Serial No. 619,912. 14 Claims. (Cl. 29—33.)

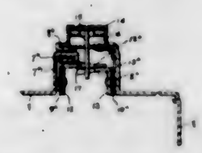
1. In a machine of the character described, the combination with a gear holder permitting rotation of the

gear, of means engageable with the burred ends of the gear teeth for bending the burs back from the burred



edges of the teeth, and a scraper adapted to bear against the burred ends of the teeth for severing the burs.

1,505,421. REENFORCING MEANS FOR TRAVELING BAGS OR THE LIKE. AUGUST J. PETRIE, West Allis, and EDWIN B. BARTLETT, Milwaukee, Wis., assignors to Milwaukee Stamping Co., West Allis, Wis., a Corporation of Wisconsin. Filed Oct. 27, 1921. Serial No. 510,959. 6 Claims. (Cl. 190—49.)



1. In combination with a traveling bag or the like having a pair of hingedly connected frame members for the side portions of the bag, of reenforcing means comprising a laterally extending member fixed to one of said frame members and a laterally extending member fixed to the other of said frame members, said laterally extending members overlapping and having registering apertures, and a locking device having a downwardly extending tongue adapted to enter said apertures when the side portions are in their closed position

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1,505,422. SPINNING-MACHINE ROLLER. JAMES C. POTTER, Pawtucket, R. I. Filed Jan. 3, 1922. Serial No. 526,687. 6 Claims. (Cl. 19—141.)



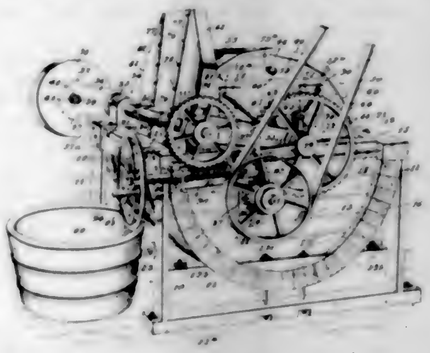
3. A roller of the kind described composed of sections placed in abutment, adjacent sections having centering means consisting of a cylindrical portion on one section and a corresponding recess in the other section, said cylindrical portion and said recess being concentric with their respective sections, and means that connect the sections that comprises coacting parts within an inward extension of said recess.

1,505,423. DECOY STRAP. CHARLES NEWTON PROUTY, Spencer, Mass., and WILLARD B. DARTON, Portland, Me. Filed Jan. 6, 1921. Serial No. 435,453. 1 Claim. (Cl. 119—109.)



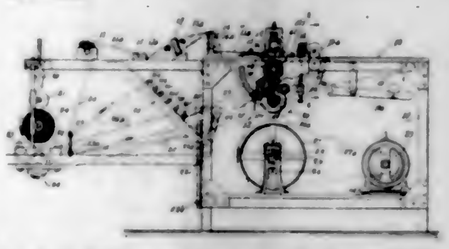
A decoy strap consisting of a strip of flexible material having a button hole slot near one end, a cooperating notch or notches, and a swivel joint at the other end thereof.

1,505,424. ELECTROPLATING APPARATUS. FORREST G. PURINTON, Waterbury, Conn. Filed Oct. 25, 1922. Serial No. 596,788. 22 Claims. (Cl. 204—11.)



1. In an electroplating apparatus, a plating tank adapted to contain a plating solution, a rotary plating barrel adapted to contain a mass of small articles to be plated, said barrel being mounted on a shaft, an arm pivoted to said shaft, said arm being pivoted on said tank, and means for rocking said arm about its axis to raise the plating barrel out of the plating tank.

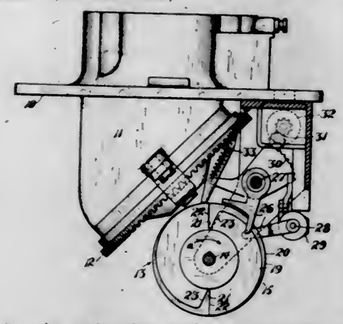
1,505,425. CUTTING MACHINE. NELSON E. RABER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 6, 1921. Serial No. 467,475. 25 Claims. (Cl. 164—49.)



1. In a cutting machine the combination of a stock roll and a mounting therefor, a cutter, means for feeding stock from said roll to said cutter, a liner rewinding roll, means for frictionally driving said rewinding roll, and a

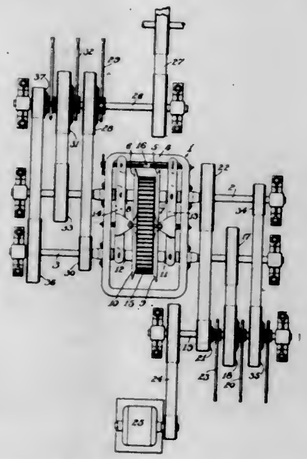
tension device adapted to produce in the liner adjacent said rewinding roll a tension varying widely in response to relatively small variations in the tension of the liner anterior to said tension device.

1,505,426. COIN REGISTER. JOHN RENHOLTS, Oakland, Calif. Filed Aug. 1, 1922. Serial No. 578,867. 2 Claims. (Cl. 235—132.)



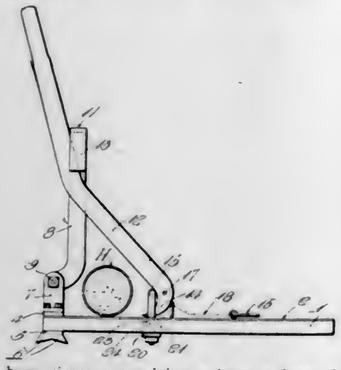
1. In a coin registering device, a rotatable shaft, a plurality of coin carrying members on said shaft adapted to separately receive coins of different denominations and to hold coins of different denominations transversely with respect to the path of travel of said members and at different distances from the axis of rotation of said members, the coins of larger denominations being respectively closer to the axis of rotation, a register operated by rotation in a continuous direction, a set of levers mounted to oscillate around an axis parallel to the axis of the coin receiving members, said levers being of different lengths whereby their arc of travel will be in inverse ratio with respect to the positions of the respective coins by which said levers are actuated, and means whereby the various levers when actuated by the coins will each actuate the coin register a definite amount and thus record the different values of the coins actuating the levers.

1,505,427. SPEED-VARYING TRANSMISSION. PAUL B. REEVES, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a Corporation of Indiana. Filed June 26, 1922. Serial No. 571,081. 9 Claims. (Cl. 74—21.)



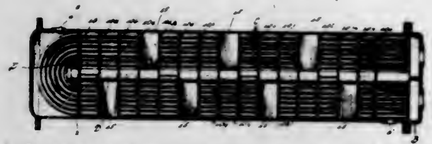
1. The combination of a speed varying mechanism comprising two power elements and intermediate cooperating mechanism by which the speed relationship of said elements may be varied, a primary driver member and a primary driven member, means by which the power elements may be connected to the primary driver at different speed relations, and means by which the power elements may be connected to the primary driven member at different speed relations.

1,505,428. HOSE CLAMP. FRED A. RICHARDS, FREDERIC C. BOCHATEY, and JOHN T. JONES, Golden, Colo.; said Jones assignor to said Richards and said Bochatey. Filed Nov. 2, 1922. Serial No. 598,644. 4 Claims. (Cl. 251—5.)



1. A hose clamp comprising a base, a lever fulcrumed on said base for clamping a hose against the same, an eye on the upper side of said base beyond which said lever swings to clamping position, and a hand lever having a claw-like end engageable with said eye, said hand lever having an operating connection with the first mentioned lever, whereby swinging of said hand lever toward said base will move said first named lever to hose clamping position, said hand lever being then insertible partly through said eye to hold the first named lever in operative position.

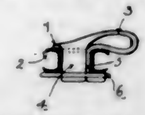
1,505,429. HEAT-EXCHANGE APPARATUS. WILLIAM H. RIPLEY, Hartford, Conn., assignor to The Whitlock Coil Pipe Company, West Hartford, Conn., a Corporation of Connecticut. Filed Apr. 8, 1922. Serial No. 550,564. 11 Claims. (Cl. 257—239.)



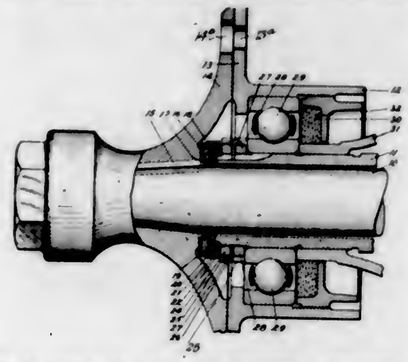
3. In an apparatus of the character described, a shell, a plurality of tubes arranged longitudinally therein, and means for causing the fluid within the shell to flow in a generally spiral path and including a plurality of substantially flat baffles spaced apart longitudinally of the shell and arranged at right angles to the length of said tubes, and a longitudinally extending vane between adjacent baffles and extending part way across said shell.

1,505,430. FASTENING FOR FOOTWEAR AND THE LIKE. THOMAS RICHARD ROBERTS and EDMUND FOULKES OWEN, Toronto, Ontario, Canada; said Owen assignor to said Roberts. Filed Apr. 13, 1923. Serial No. 631,789. 5 Claims. (Cl. 24—145.)

2. In boots, shoes and other footwear, the combination of a divided upper; a series of eyelets adjacent each meeting edge of the upper; and lacing members mounted in said eyelets and extending outwardly therefrom, said lacing members having openings therethrough through which a lace may pass, the openings through the lacing members being directed at substantially a right angle to the openings through the eyelets, each lacing member comprising a strip of metal doubled back on itself to form a loop, one end of said strip having a pair of projections adapted to engage beneath the eyelet and a tongue adapted to engage over the eyelet, the other end of the strip being adapted to also engage beneath the eyelet.



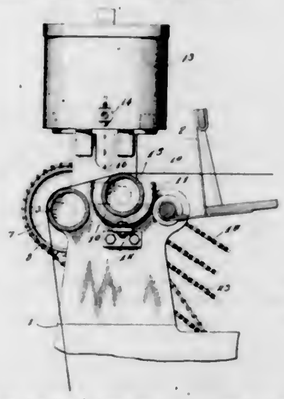
1,505,431. AXLE PACKING. GRANT W. ROLLINS, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 16, 1917. Serial No. 186,535. 12 Claims. (Cl. 286—7.)



8. A device of the class described comprising the combination of a casing, a shaft rotatable therein, a hub secured to said shaft, a bearing upon said casing for said hub, a retaining member for said bearing, and packing interposed between said retaining member and said hub.

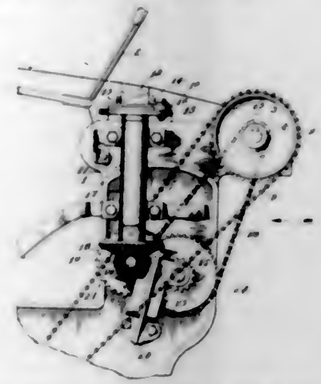
11. As an article of manufacture, a retaining ring for packing within which the packing is adapted to be inserted, said ring having a plurality of spaced lugs extending outwardly from one end thereof and adapted to be held by a support placed end to end with the ring.

1,505,432. MEANS FOR WAXING YARNS. SAMUEL P. RUFF, Jr., Chester, Pa. Filed Apr. 3, 1923. Serial No. 629,576. 5 Claims. (Cl. 91—51.)



1. In a yarn winding machine; a reed; a yarn roller; a trough for smoothing liquid between the reed and roller; a roller mounted in the trough for feeding the liquid to the yarn as it passes from the reed to the yarn roller, and means for actuating the liquid feeding roller.

1,505,433. MEANS FOR WAXING YARNS. SAMUEL P. RUFF, Jr., Chester, Pa. Filed Apr. 3, 1923. Serial No. 629,577. 6 Claims. (Cl. 91—36.)



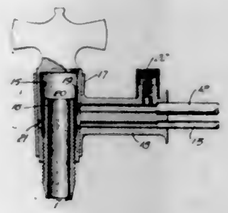
1. In a yarn winding machine, a waxing bar adapted to engage the yarns, and means for reciprocating the waxing bar transversely to the yarns.

1,505,434. CURTAIN ROD. WILLIAM SCHAEFER, Waterville, Conn., assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn., a Corporation of Connecticut. Filed Jan. 12, 1923. Serial No. 612,169. 4 Claims. (Cl. 156—19.)



3. A curtain rod comprising a curtain supporting member and two brackets, each bracket being provided with a pivotally mounted socket projecting beyond the end of the bracket to detachably receive the adjacent end of the curtain supporting member, each socket being reversible so as to receive the opposite end of the curtain rod when the bracket is placed at that end of the rod.

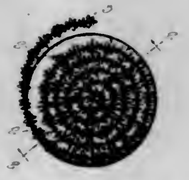
1,505,435. BEVERAGE DISPENSER. WILLIAM A. SCHATZ, Astoria, N. Y., assignor to Rotax Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,510. 15 Claims. (Cl. 225—26.)



1. In a liquid dispensing apparatus, in combination, a supply source for a liquid under pressure, a container for a second liquid, a mixing chamber closed at one end, conduits leading to said mixing chamber for introduction thereto of said liquids, a tubular member extending within said mixing chamber and forming a baffle disposed so the liquid under pressure is projected from its con-

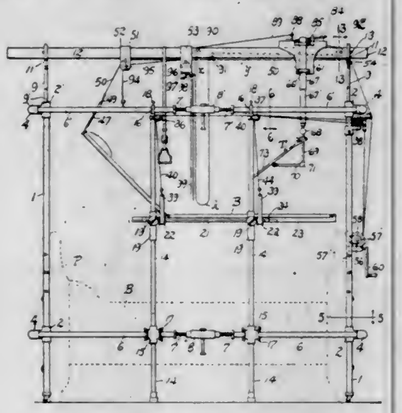
duit directly thereagainst, effecting agitation within said chamber resulting in the mixing of said liquids therein, said tubular member providing a discharge opening for the mixed liquids adjacent the upper part of said mixing chamber, and a nozzle communicating directly with said tubular baffle, said tubular member being adjustable to transact a greater or less extent of said mixing chamber so as to vary the extent of mixing within the mixing chamber.

1,505,436. ORNAMENT FOR LADIES' SLIPPERS. OSCAR SCHILLER, New York, N. Y. Filed Jan. 14, 1924. Serial No. 686,231. 3 Claims. (Cl. 2—245.)



1. An ornament for ladies' slippers or other articles comprising a stiff concavo-convex backing, and a covering of ornamental material directly secured upon the convex side of said backing, the convex formation imparted to the upper side of the ornament by said backing serving to give the appearance of a thick pile or mound of the ornamental material, while the concave lower side of said backing permits its edge to be held tightly against the slipper or other article.

1,505,437. INVALID APPLIANCE FOR BEDS. ALTO SCHWEIZER, Erling, Oberbayern, Germany, assignor to Charles Schweizer, St. Louis, Mo. Filed June 30, 1922. Serial No. 571,870. 1 Claim. (Cl. 5—85.)

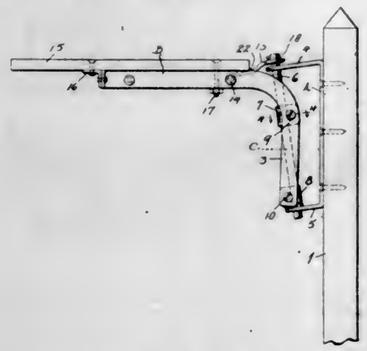


In an apparatus of the class described, the combination with a bed-stead of a frame-work positioned around the bed-stead, said frame-work comprising a pair of corner posts at each end, an arch connecting the upper ends of the posts of each pair of corner posts, a rail supported by said arches, and a pair of upright posts on each side of the bed-stead intermediate the corner posts, an auxiliary bed-bottom slidingly mounted on said upright posts, means for raising and lowering said bed-bottom, an adjustable back-rest pivotally connected to the bed-bottom, a strap suspended from the aforesaid rail and connected at one end to the back-rest, the other end of said strap terminating within easy reach of the bed-bottom, means on the rail for gripping the strap to hold the back-rest in any desired position, and means for releasing said grip.

1,505,438. PROCESS OF EXTRACTING TURPENTINE AND ROSIN FROM RESINOUS WOOD. CLARENCE M. SHERWOOD and RAYMOND K. COLE, Brunswick, Ga., assignors to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 18, 1921. Serial No. 470,684. 3 Claims. (Cl. 203—6.)

1. The process of recovering, from resinous wood, turpentine and rosin, which comprises distilling off turpentine from the wood at a temperature insufficient to injure the rosin, and then removing the rosin by two steps; comprising extracting the wood with a volatile solvent and draining off the solution of solvent and rosin until a part of the rosin is thereby removed, and then, while a substantial proportion of the rosin still remains in solution in the wood, displacing with hot water the said rosin solution, causing it to rise to the surface, and separating the rosin solution from the hot water.

1,505,439. MAIL BOX SUPPORT. HANS SKREBERG, Big Bend Township, Minn. Filed Dec. 1, 1922. Serial No. 604,386. 1 Claim. (Cl. 232—40.)



A receptacle support of the class described, including a post, a bracket carried by the post and having an inclined pintle member, a box carrier mounted on said inclined pintle, said box carrier comprising angle bars having the ends of their horizontal arm portions turned outwardly, an angle member secured to the out-turned ends of said angle bars, a platform secured to the angle member and angle bars, and means carried by the vertical arms of said angle bars for engaging the inclined pintle.

1,505,440. ATTACHING LINK FOR TIRE CHAINS. CHARLES SMITH, Duluth, Minn. Filed June 28, 1923. Serial No. 648,291. 5 Claims. (Cl. 59—95.)

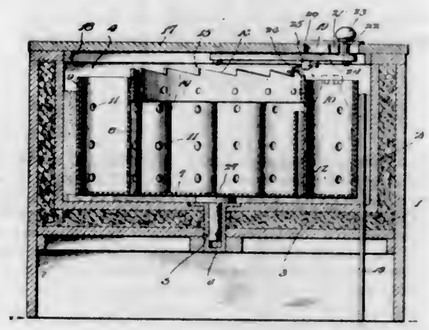


1. An attaching link formed from a single length of metal bent intermediate its ends to define a pair of arms, the terminal portions of which are formed with return bends defining bills, said bills being formed with notches intermediate their ends by means of which the ends of the bills may be forced inwardly.

1,505,441. BOTTLE COOLER AND VENDING APPARATUS. WALTER McE. SMITH, Jackson, Tenn. Filed Oct. 17, 1922. Serial No. 595,211. 2 Claims. (Cl. 211—9.)

1. An apparatus for the purpose set forth comprising a heat-resisting cabinet, a carrier rotatably mounted in the cabinet and spaced from the bottom and the walls of

the same, means for maintaining bottles placed within the carrier adjacent the walls of the same, a top for the cabinet having an opening therethrough to permit with-



drawal of bottles from the carrier, a cover for said opening, and interengaging means on the cover and the carrier whereby when the cover is moved to closed position the carrier will be rotated one step.

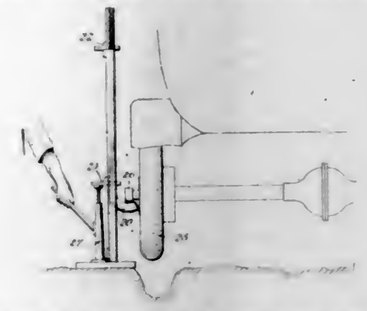
1,505,442. FLUID-DISPENSING CONTAINER. THOMAS J. STEPHENS, Cleveland, Ohio. Filed Jan. 30, 1922. Serial No. 532,645. 5 Claims. (Cl. 221—94.)



1. A dispensing container for liquids, comprising a reservoir with a movable displacement wall, a delivery orifice, and a valve controlling said orifice; a thrust rod transmitting movement from said wall to said valve; and said valve comprising a disk subdivided into portions separable by the thrust of the rod.

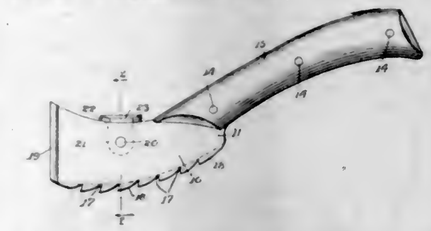
1,505,443. LIFTING DEVICE. HAMPTON A. STONE, Beaumont, Tex. Filed Apr. 9, 1923. Serial No. 630,903. 3 Claims. (Cl. 254—134.)

1. A device of the character described, comprising a supporting plate, a pair of uprights secured to said supporting plate and extending in parallel and spaced relation, a lifting member movable between said uprights, said lifting member being elongated and having a hook-shaped projection at its lower end adapted to engage beneath an object to be lifted, said lifting member also having openings arranged in spaced relation longitudinally thereof, a cross member between said guide members, a pin adapted to extend through either of said openings in the lifting member and co-operate with said cross member for adjustably holding the lifting member against downward movement with relation to the uprights, and a second pin



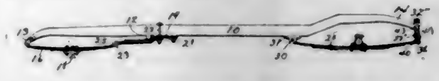
adapted to be positioned in an opening of said lifting member and permit a jack to be placed there beneath and utilized for forcibly elevating said lifting member.

1,505,444. VENEER KNIFE. WILLIAM E. SWANSON, Weehawken, N. J. Filed Nov. 3, 1921. Serial No. 512,445. 3 Claims. (Cl. 30—9.)



1. An implement as characterized, comprising a blade formed to provide an outwardly curved side cutting edge at one side of the transverse center thereof, a straight end cutting edge disposed in right angular relation to the longitudinal center of said blade and at the outer end of said curved side cutting edge, and a handle portion curved on a line reversed to the curvature of the said side cutting edge, said side cutting edge being toothed throughout its length, hand gripping members secured at the opposite sides of said handle portion, and a finger piece secured on one side of the cutting portion of the blade.

1,505,445. SPRING. LINDSAY H. TIMMONS, Des Moines, Iowa, assignor of one-half to George B. Frost, Des Moines, Iowa. Filed Aug. 3, 1922. Serial No. 579,490. 6 Claims. (Cl. 267—45.)

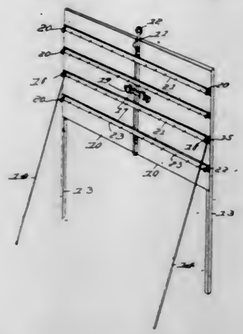


1. In a spring construction, the combination with a frame having front and rear horns and parallel axles carrying some of the springs, of front side springs carried by one axle and pivoted at their forward ends to the front horns, relief springs fixed to the frame at the rear of and overlapping said side springs, a rolling-contact member between the overlapping portions of the side and relief springs and a rear spring assembly carried by the other axle and carrying the rear portion of the frame.

1,505,446. GARMENT-DRIER RACK. ROBERT S. TOWNLEY, Toledo, Ohio. Filed Sept. 19, 1922. Serial No. 589,265. 5 Claims. (Cl. 34—26.)

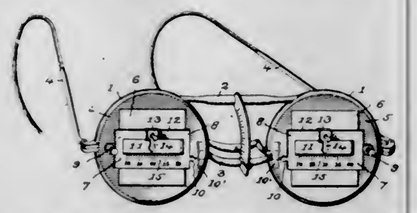
2. A garment drying rack having foldably connected leaves and supports for maintaining the same in an up-

right position, and garment engaging hooks carried by said leaves adjacent to that face which is adapted to be exposed to the radiation from a heating device, said leaves



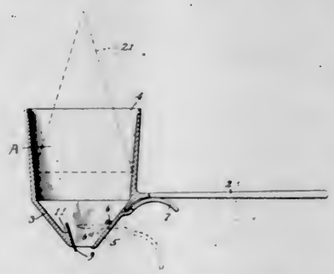
being hingedly connected for folding into parallel relation and being provided with means for maintaining them in their extended position.

1,505,447. PUPILLARY-MEASURING INSTRUMENT. WILLIAM R. UHLEMANN, Chicago, Ill., assignor to Uhlemann Optical Company, Chicago, Ill., a Corporation of Illinois. Filed May 9, 1922, Serial No. 559,627. Renewed Jan. 21, 1924. 2 Claims. (Cl. 33—200.)



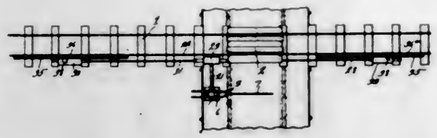
1. In an optician's instrument for measuring pupillary distances, the combination of a pair of holding rings, an intermediate rail fixedly connecting said rings together and carrying a nose bridge or rest, temple bars secured to the outer sides of said rings, an orificed plate associated with each of said rings, and a movable index finger and graduated scale associated with each orificed plate.

1,505,448. ICE SCRAPER. WILLIAM S. VAN SANT, Oakland, Calif. Filed Sept. 5, 1923. Serial No. 660,981. 8 Claims. (Cl. 83—62.)



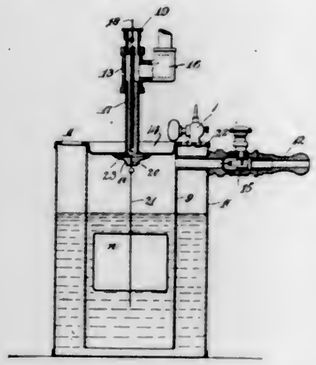
1. A device of the character described comprising a cup shaped mold open at the upper end and having a slotted bottom portion, a scraper disposed in one side of the slot, an ejector plate disposed on the other side of the slot, and a core forming member insertible in the open end of the mold.

1,505,449. AUTOMATIC GRADE-CROSSING SIGNAL. ORVILLE L. VINCENT, Omaha, Nebr. Filed Jan. 15, 1924. Serial No. 686,311. 7 Claims. (Cl. 246—293.)



2. A railroad crossing signal comprising a standard disposed adjacent the crossing train actuated depressible members at opposite sides of the crossing, vertically disposed shafts depressed by said depressible members, yieldable connections carried by said shaft, a ratchet wheel to which the shafts are pivoted, gear wheel, ratchet connections between the ratchet wheels and gear wheels, longitudinally movable rack bars, cranks operated by the gear wheels for intermittently reciprocating the rack bars, gear wheels meshing with the rack bars, a ratchet between the gear wheels, dogs carried by the gear wheels and cooperating with the last named ratchet wheel for intermittently rotating the same, a shaft adjacent the crossing on which said ratchet wheel is mounted, said last named shaft being provided with a crank, a pivoted signalling arm and a connecting rod between the crank and signalling arm.

1,505,450. APPARATUS FOR CONTROLLING THE FLOW OR PRESSURE OF FLUIDS. OSBORNE FREDERICK WALKER, London, England. Filed Nov. 8, 1923. Serial No. 673,548. 4 Claims. (Cl. 67—111.)

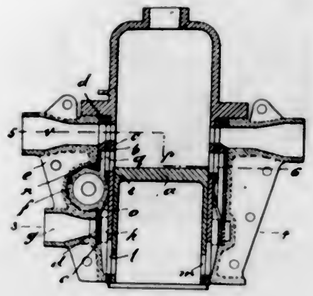


1. In an apparatus of the character described, a chamber having a gas inlet and a gas outlet, a second chamber communicating at its bottom with the first chamber, a liquid partially filling the chambers, regulable air vent means for said second chamber to control the rate of change of level in the chambers and a float-controlled valve controlling said gas outlet.

1,505,451. INTERNAL-COMBUSTION ENGINE. ARTHUR WILLIAM WALL, Sheldon, near Birmingham, England, assignor of three-fourths to John White, jr., Boulton Road, Handsworth, Birmingham, England. Filed Aug. 8, 1919. Serial No. 316,193. 6 Claims. (Cl. 123—73.)

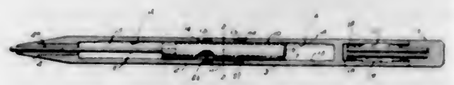
5. An internal combustion engine, having a cylinder provided with a plurality of inlet openings and a plurality of outlet openings, the inlet openings being located at a level different from the outlet openings, the inlet openings being uniformly distributed circumferentially of

the cylinder, the outlet openings being circumferentially and uniformly distributed on the cylinder, the arrangement of said outlet openings being, however, different from that of the inlet openings, a multiple ported sleeve slidalbe on said cylinder and provided with ports adapted to register repeatedly in each cycle of movement with all



of the outlet openings in the cylinder, the passage of gases through said ports and outlet openings when they are in register being repeatedly obstructed by said piston in each cycle of movement and all of the said ports and outlet openings being freed only when the piston is near bottom dead center, and means for imparting movement to said sleeve.

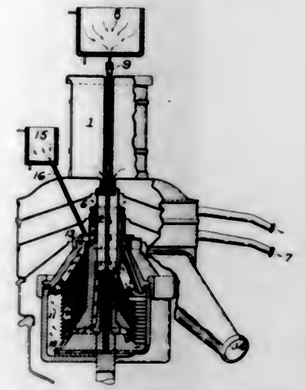
1,505,452. PENCIL. CHARLES E. WEHN, Alameda, and HENRY W. LARSSON, Oakland, Calif. Filed Apr. 21, 1920. Serial No. 375,646. 7 Claims. (Cl. 120—18.)



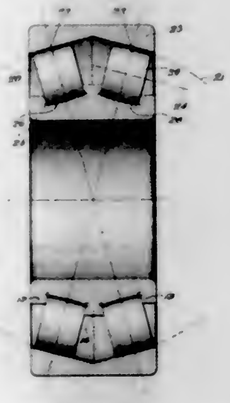
7. A pencil, comprising hollow barrel sections having alining key-ways, a member arranged interiorly of the sections, a lead receiving passage in the outer end of one of the barrel sections, the connecting member having a longitudinal groove extending through the same, a non-rotatable feed member having a flat portion slidable in the groove of the connecting member with said flat portion having threads on one edge and also having a reduced relatively long rod projecting from one end thereof adapted to slide in the lead receiving passage, said threads on the edge of the flat portion of the feed member extending into said alining key-ways of the sections, and a nut embracing the connecting member and filling the space between the inner ends of the barrel sections and adapted to engage the threads of the flat portion of the feed member so that upon rotation of the nut in one direction the feed member may slide so as to cause the rod portion of the feed member to advance the lead in the lead receiving passage.

1,505,453. METHOD OF EXTRACTING WAX FROM WAX-CONTAINING HYDROCARBONS. JAMES W. WEIR, Fillmore, Calif. Filed Jan. 10, 1923. Serial No. 611,784. 5 Claims. (Cl. 233—11.)

4. The process of extracting wax from wax containing hydrocarbons which consists in separating the wax from the other hydrocarbons by centrifugal force, in a centrifuge machine, thus throwing the wax to the outer periphery of the machine, introducing hot liquid hydrocarbon into the machine and near its outer periphery while the machine is in operation, thus melting the wax with the hot liquid hydrocarbon and separately withdrawing the combined wax and hot hydrocarbon and the other hydrocarbons with which the wax was originally mixed.



1,505,454. ROLLER BEARING. OSCAR RAGNAR WIKANDER, Glen Ridge, N. J., assignor to The Skayef Ball Bearing Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 28, 1921. Serial No. 525,331. 2 Claims. (Cl. 64—39.)

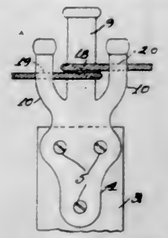


1. In a roller bearing, the combination with an outer member having a hollow conical raceway, of an inner member provided with a concave groove and a row of rollers mounted in said groove, the load carrying surface of each of the said rollers being generated by rotating about its axis a curved line of considerably greater radius of curvature than the radius of curvature of the circular conical surface comprising the roller path on the outer race member.

1,505,455. CLOTHESLINE TIGHTENER. FRED B. WILLIAMS, Highland Park, Ill. Filed Aug. 20, 1921. Serial No. 493,815. 1 Claim. (Cl. 68—12.)

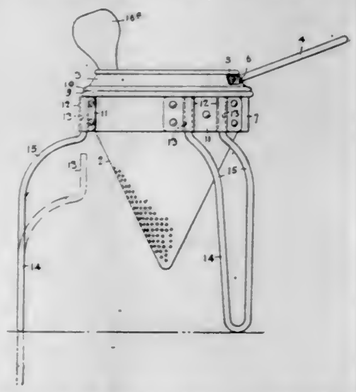
A clothes pole, a fixture secured to the end thereof, said fixture having a main body and three projections extending side by side in the general direction of the length of the pole, the central one of said projections being straight and longer than the others, the outer ones

of said projections being straight throughout a portion of their length but being curved toward the center projection at their junction with the main body of the fix-



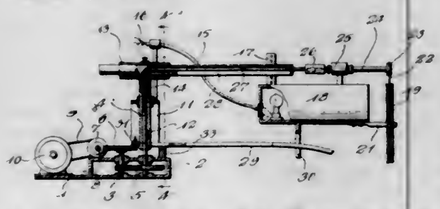
ture, each of said projections having an enlargement at its end whereby a clothes line will not slip over the end of the projection.

1,505,456. FRUIT OR VEGETABLE STRAINER. JOHN H. WILSON, New Kensington, Pa., assignor to The Aluminum Cooking Utensil Co., New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 6, 1922. Serial No. 550,093. 1 Claim. (Cl. 146—172.)



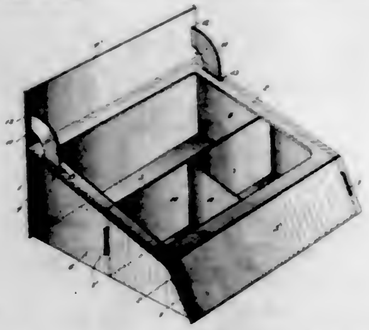
In a fruit or vegetable strainer, the combination of an inverted conical-shaped perforated receptacle formed of a flexible metal, and a conical crusher adapted for rolling movement therein, said crusher being bulged intermediate its ends.

1,505,457. CHANGEABLE ILLUMINATOR. WALTER WILSON and CHARLES T. MICHALIC, San Francisco, Calif. Filed May 31, 1923. Serial No. 642,619. 6 Claims. (Cl. 240—10.)



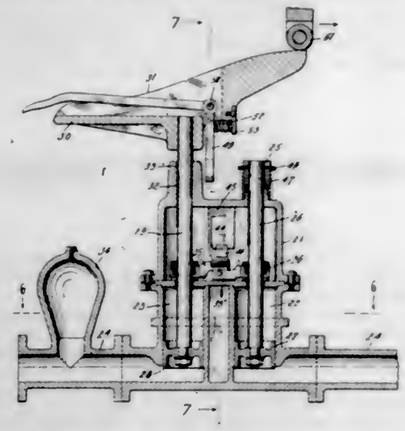
1. A changeable illuminating device comprising a supporting member, means for moving said member alternately in opposite directions, a light ray projector carried by said supporting member and movable bodily therewith, a plurality of differently colored screens associated with said projector, and means operative during movement of said supporting member for successively presenting said screens to the projected rays from said projector.

1,505,458. BOX. HARRY C. WITT, Stoneham, Mass. Filed Apr. 25, 1923. Serial No. 634,455. 4 Claims. (Cl. 206—44.)



1. A box having a body and cover, the body of the box having sides with hinge-forming straps upturned therefrom and the cover having slots through which the straps are passed whereby the cover is hinged to the body of the box.

1,505,459. AUTOMATIC RAILWAY SIGNAL AND STOP. ARNOLD ZUCKOR, New York, N. Y., assignor of one-twentieth to Rosie Zuckermann, Saratoga Springs, N. Y. Filed Mar 1, 1922. Serial No. 540,131. Renewed Nov. 14, 1923. 4 Claims. (Cl. 246—101.)

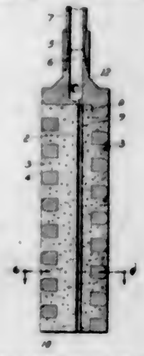


1. In a railroad signal, the combination with a plurality of signal boxes arranged along a track, of a stop slidably arranged in each box extending above the upper surface of the same, a shoe slidably disposed above each box, hydraulic means operatively connecting each shoe with the stop in the box in rear of it, whereby upon lowering a shoe the stop connected therewith is raised, and means disposed in each box for causing the shoe therein to be raised upon raising the stop in the same box, said means permitting any shoe to be lowered without affecting the stop in the same box in either one of its extreme positions.

1,505,460. WELL DRILL. GUSTAV GRIESCHE, Berkeley, Calif. Filed Sept. 26, 1923. Serial No. 664,927. 2 Claims. (Cl. 255—61.)

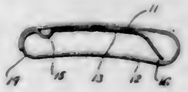
1. A well boring tool comprising a body having discharge ports therethrough and an abrasive cutting core therebetween, said core having an eccentric hole there-

through, and said body provided with a central hole at its top with branches leading therefrom to the eccentric



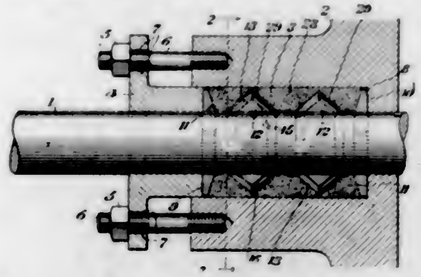
hole and to the discharge ports, for effecting the feed to the cutter and the discharge of the cut material from the tool and well.

1,505,461. LINGERIE CLASP. GASTON A. GUYOT and ARTHUR F. GUYOT, Attleboro, Mass. Filed Oct. 25, 1921. Serial No. 510,394. 2 Claims. (Cl. 24—259.)



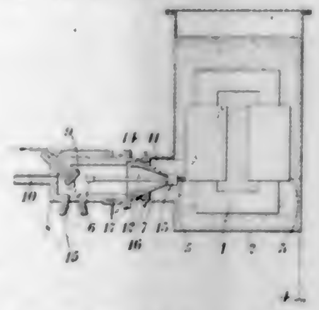
1. A clasp formed of a single strip of resilient metal folded to form two spaced apart side arms and an intermediate cooperating gripping arm, the free end of one side arm being adapted to snap over the folded end of the other side arm and to lie substantially parallel with said intermediate arm and closely adjacent thereto when in clamping position, said intermediate arm being normally spaced from said other arm.

1,505,462. ROD PACKING. HENRY G. HILLMAN, New York, N. Y. Filed Apr. 8, 1922. Serial No. 550,775. 4 Claims. (Cl. 286—25.)



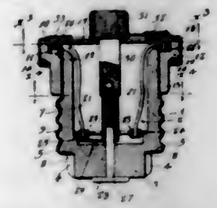
1. In a rod packing, the combination of a stuffing box having a chamber, a rod extending through the chamber, a metal ring of triangular form in transverse section and of substantially less diameter than the chamber surrounding the rod within said chamber and having its inner edge ground to closely embrace the rod, a pair of conoidal metal rings surrounding the rod within the chamber at opposite sides of the first mentioned ring and having their inner faces abutting against the oppositely inclined faces of the first-mentioned ring and their inner edges ground to closely embrace the rod, the outer edges of the two conoidal rings being ground and abutting against each other in a plane perpendicular to the rod, a soft packing material in the stuffing box pressed firmly about the rod and conoidal rings and extending over the joint between the outer edges of the conoidal rings, the inner faces of the conoidal rings and the two oppositely inclined faces of the first-mentioned ring being ground, each of the three rings being divided transversely into a plurality of sections having their ends spaced apart and the three rings being arranged with the spaces between sections of different rings out of register, metal plates bridging the spaces between the sections of the conoidal rings and located at the outer faces only of said rings, and means securing each plate to one section only of the adjacent ring.

1,505,463. RADIOLOGICAL APPARATUS. FERNAND HOLWECK, Paris, France, assignor to Mullard Radio Valve Company Limited, London, England, a British Company. Filed Nov. 18, 1922. Serial No. 601,701. 2 Claims. (Cl. 250—34.)



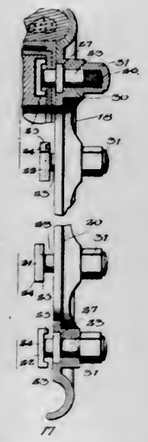
1. An apparatus for radiology, the combination of a high tension transformer, an electrically conducting container wherein the transformer is immersed in a dielectric other than air, an electric connection between one secondary terminal of the transformer and the container, and a vacuum tube mounted on the outside of the container comprising a metallic envelope constructed of separable parts electrically connected to the container and a cathode electrically connected to the other secondary terminal of said transformer through a part of the wall of the tube which is in direct contact with the dielectric in the container.

1,505,464. MULTIPLE FUSE PLUG. JONAH E. HORNER, Los Angeles, Calif., assignor of one-half to William A. Hayt, Los Angeles, Calif. Filed Nov. 3, 1920. Serial No. 421,483. 6 Claims. (Cl. 200—125.)



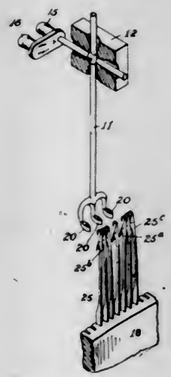
1. In a multiple fuse plug, the combination of a cylindrical body having a fuse chamber therein open at one end and having a head at the other end with a shoulder adjacent the head, a metal sleeve enveloping the body and having threads formed thereon for attachment to an electric socket, a fuse-plate, seated on the said shoulder, a plurality of fuses disposed circumferentially within the fuse chamber with their inner ends insulated from each other and attached to the fuse-plate, and having their outer ends extending to the open end of the body and connected to the said metal sleeve, a cover plate secured over the open end of the body, a spindle rotatably mounted in the cover plate and carrying a metallic contact arm between the head and said fuse-plate, and a contact post mounted in the head and in contact with the contact arm.

1,505,465. WHEEL. HENRY MARTIN HOWELL, Monroe, La., assignor of one-half to John Edward Donghtie, Monroe, La. Filed May 21, 1923. Serial No. 640,400. 5 Claims. (Cl. 301—11.)



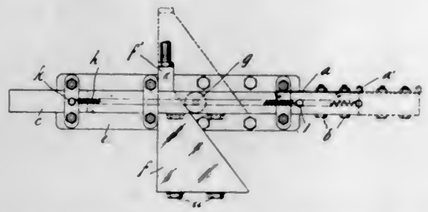
1. A locking device for securing the removable tire retaining flange to a demountable rim and for securing the demountable rim on the wheel and comprising locking plates carried by the wheel, demountable rim and flange respectively, the locking plates of the demountable rim and flange having key hole slots and a series of long and short studs carried by the locking plate of the retaining flange and cooperable with the key hole slots, the plates of the wheel and demountable rim also having other slots accommodating the studs, each of said studs including a shank, the locking plate of the retaining flange having a socket in which said shank is fitted and beyond which it projects, coacting means between the shanks and locking plate of the outer tire retaining flange preventing relative rotary movement between the shank and the flange, and a cap nut threaded on the outer end of each shank.

1,505,466. STRIPING MECHANISM FOR CIRCULAR-KNITTING MACHINES. EDWARD JACKSON, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a Corporation of Pennsylvania. Filed May 16, 1923. Serial No. 639,303. 3 Claims. (Cl. 66—21.)



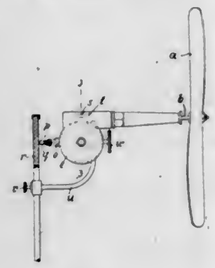
1. A circular knitting machine comprising a thread guide having a plurality of fixedly-spaced thread-carrying fingers, means for imparting a determined needle-engaging swing to said guide, and a needle cylinder having a circular series of equally spaced reciprocating needles certain adjacent ones of which are bent laterally to closely group their thread-engaging ends.

1,505,467. GUARD FOR PRESSES, STAMPS, AND LIKE MACHINES. HERBERT DAVID JACKSON, Walsall, England. Filed Mar. 21, 1923. Serial No. 626,588. 2 Claims. (Cl. 74—105.)



2. A guard for power presses, stamps, and like machines, comprising a reciprocating member, a guard member carried by the said reciprocating member, a base plate, pairs of fixed rollers on the said base plate between which rollers the said reciprocating member is slidably guided, a wedge member of substantially triangular outline adapted to slide in a slot in the reciprocating member and abutting between one pair of fixed rollers and a roller at one end of the slot, a lever pivoted upon the frame of the machine, a horizontal rod connecting the lower end of the said lever to the said wedge member, a roller at the upper end of said lever, a cam which is adapted to engage the said roller and is keyed upon the driving shaft of the machine, and a spring which effects the return movement of the reciprocating member.

1,505,468. WINDSCREEN WIPER FOR MOTOR CARS AND THE LIKE. LEONARD REGINALD JONES, London, England. Filed Nov. 24, 1923. Serial No. 676,695. 2 Claims. (Cl. 15—253.)



1. In a wind screen wiper, an air vane, a worm rotated by said vane, a wormwheel rotated by said worm, a block carrying said wormwheel, means for attaching said block to a wind screen frame, a casing carrying said worm and vane angularly adjustable on said block, a crank pin on said wormwheel, and a wiper bar oscillated by said crank pin.

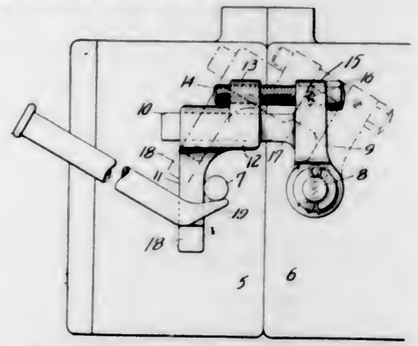
1,505,469. UMBRELLA LOCK. CARL E. KELLER, Pittsburgh, Pa. Filed July 3, 1923. Serial No. 649,194. 5 Claims. (Cl. 135—44.)

2. Means for locking the ribs of an umbrella comprising a collar composed of two discs relatively rotatably mounted to encircle the stick of an umbrella, the inner disc having notches for the reception of the umbrella ribs, the outer disc having under cut notches whereby the notches of the inner disc will be closed when the discs are rotated relative to each other, means for locking said discs against relative rotation when the notches are closed, said discs each comprising half sections hingedly



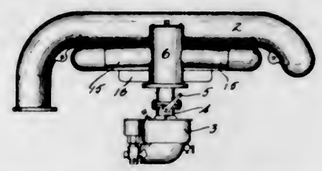
connected together for permitting the engagement of the device with the umbrella stick, and means for holding said discs in closed position.

1,505,470. MOLD LOCK. GUSTAV R. KELM, New York, N. Y., assignor to Walker M. Level Company, New York, N. Y. Filed June 22, 1920. Serial No. 390,862. 9 Claims. (Cl. 22—156.)



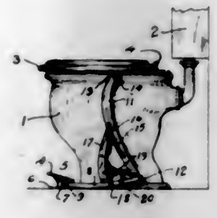
1. The combination with a divisible mold, of means for securing the parts of said mold together comprising a shoulder on one of the mold parts, a pivoted hook on the other mold part provided with an extensible jaw for engagement with said shoulder and an actuating ing on the book and arranged to stand to one side of the locking shoulder when the hook is engaged therewith to provide a hold for a hook operating lever inserted between the locking shoulder and said ing.

1,505,471. CHARGE FORMING DEVICE. ROY H. KLUSS and RAY C. FINCH, Spokane, Wash. Filed Apr. 10, 1922. Serial No. 551,314. 1 Claim. (Cl. 123—122.)



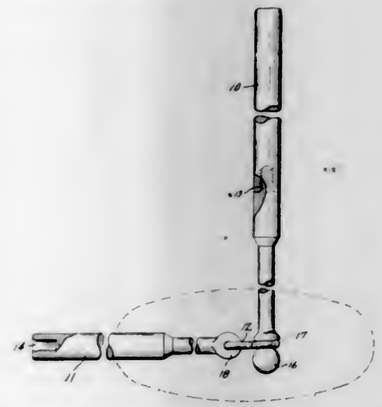
The combination with an internal combustion engine including its gas pipe, carburetor, throttle valve and exhaust manifold, of a cylindrical valve-casing connected with the gas pipe, a main manifold comprising downwardly inclined pipes from said casing connecting said casing and engine, an automatic supply valve comprising a cylinder having a closed bottom and perforated side walls, an exterior auxiliary manifold adjacent to the exhaust manifold and communicating with the casing below said valve, and said auxiliary manifold communicating with the main manifold between the engine and casing.

1,505,472. COVER LIFTING DEVICE. SHICHIGORO KUNO, Sublet, Wyo. Filed Sept. 26, 1921. Serial No. 503,132. 3 Claims. (Cl. 4—251.)



1. In combination, a toilet fixture, a cover hingedly connected thereto, a stationary pivot, a lever mounted on said pivot and adapted to rock thereon, a second lever having one end pivotally connected to the cover and the other end pivotally connected to one end of the first named lever, the other end thereof being provided with a pedal, a third lever pivotally connected to the first named lever and having a sliding connection with the second named lever, and spring means joining said third lever with each of the other two and adapted to modify the action of said levers.

1,505,473. EXERCISER. JOSEPH KLUBNICK, Bridgeport, Conn. Filed May 10, 1923. Serial No. 637,999. 4 Claims. (Cl. 46—69.)

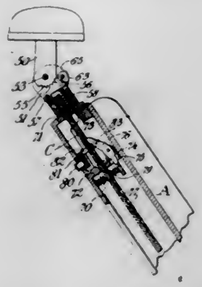


1. An exerciser comprising a handle, an arm made of relatively soft rubber, and a link loosely connected to the arm and handle and adapted to rotate about the axis of the handle.

1,505,474. HEADREST FOR BARBER OR LIKE CHAIRS. GIUSEPPE CARMELO LARAIA, New York, N. Y. Original application filed June 28, 1918, Serial No. 242,406. Divided and this application filed July 24, 1920. Serial No. 398,713. 3 Claims. (Cl. 155—177.)

1. In combination, a barber or like chair head rest, a pivotal connection for said head rest, comprising a forked member, a plate pivotally connected to said member, means for limiting the movement of said head rest in one direction comprising a cross-rod on said forked member, means on said forked member engaging a portion of said plate for holding said head rest in its

angular adjusted positions, and a rock-shaft having means thereon for operating said holding means, and a



finger-piece thereon for turning said shaft around its longitudinal axis, said rock shaft being carried by said forked member and projecting at one side thereof.

1,505,475. WELL-CASING TOOL. JOSEPH C. LEWIS, Grant, N. Mex. Filed Mar. 12, 1923. Serial No. 624,660. 3 Claims. (Cl. 294—94.)

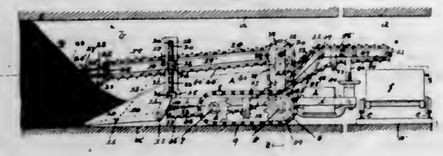


1. A well casing pulling tool comprising a body having a bore therethrough and laterally directed openings in its sides, a tapered rod movable through the bore and having a stop member on one end, and a gripping member in each laterally directed opening engageable with the tapered rod for movement through the openings.

1,505,476. APPARATUS FOR HANDLING COAL AND OTHER MATERIAL. JACOB M. LONDON, Brookville, Pa., assignor of one-half to George M. Crawford, Pittsburgh, Pa. Filed July 28, 1919. Serial No. 313,818. Renewed Mar. 20, 1924. 20 Claims. (Cl. 198—8.)

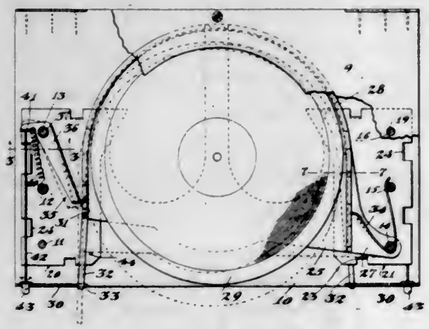
1. A machine of the class described, comprising a motor, traction chains carried by the machine and operated by said motor for supporting the machine and enabling the traveling of the same along a mine floor, a conveyor operated by said motor for elevating and discharging the coal, a receptacle over said conveyor, a conveyor operated by said motor and adapted to be raised and lowered for moving the loose coal onto said first named conveyor, and a movable door for extending under said coal and for closing the end of said receptacle.

6. A machine of the class described for handling and hauling loose coal in the rooms and entries of mines comprising a frame, means on the frame for propelling the same in the mine, means thereon for gathering coal, a relatively large receptacle formed within the frame and into which the gathering means delivers, means for discharging the contents of said receptacle, and means extending above the gathering means and receptacle for pushing the coal back into the receptacle.



19. A portable loading and transporting machine comprising a movably supported frame, a longitudinally extending endless conveyor in the frame, said conveyor having a substantially horizontally extending portion in the bottom thereof near the front part of the frame, said conveyor being inclined intermediate its ends and having a rearwardly extending portion behind the inclined portion above the horizontal front portion and adjustable vertically with respect to the inclined portion, whereby material may be loaded onto the lower front part of the conveyor and delivered at various elevations at the back without varying the inclination of the supporting frame, and material retaining sides on the supporting frame extending from a point adjacent the forward end of the conveyor back to and partially enclosing the inclined portion, whereby a receiving capacity is provided above the horizontal portion and between the sides.

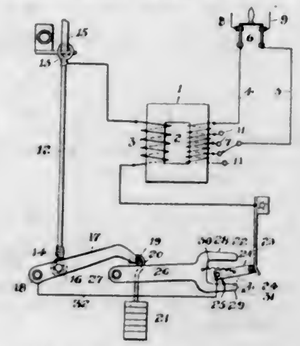
1,505,477. RECORD HOLDER. RODNEY N. MCCLURE, Sawtelle, Calif. Filed Mar. 27, 1922. Serial No. 547,231. 6 Claims. (Cl. 211—16.)



1. In a record-holder, a column, a series of independently separable superimposed plates slidably engaged on said column with adjacent plates spaced apart, and an oscillatory record-carrying shelf interposed between adjacent plates and pivotally connected to the column.

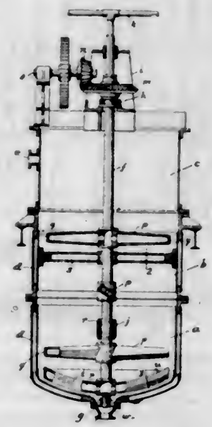
1,505,478. APPARATUS FOR TREATING HOT-WIRE ELEMENTS FOR ELECTRICAL DEVICES. AUGUST MACHA, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 9, 1922. Serial No. 605,948. 3 Claims. (Cl. 219—1.)

1. In an apparatus for straightening or aging hot-wire elements for electrical purposes, means for subjecting the wire to a predetermined stretching strain, means for causing electric current to flow in the wire for heating



the same, and means for interrupting the wire-heating current when the wire has elongated a definite distance.

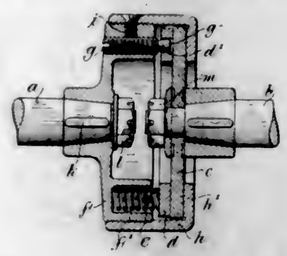
1,505,479. APPARATUS FOR TREATING OILS. HAROLD T. MAITLAND, Sharon Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Apr. 19, 1921. Serial No. 462,650. 5 Claims. (Cl. 259—7.)



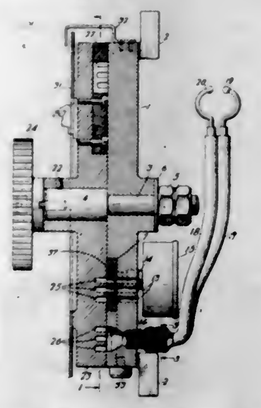
1. A digester and mechanical masticator particularly adapted for the treatment of sludge formed as a precipitate in the usual acid treatment of mineral oil lubricating stock, comprising a steam-jacketed upright vessel, an upright shaft extending axially through the vessel, stirrers secured to and extending laterally of the shaft at different levels, fixed cross-bars extending across the interior of the vessel at different levels, the stirrers acting to mix and agitate the contents of the vessel and the cross-bars cooperating with the stirrers to masticate the contents, there being an open space in the vessel above the stirrers and cross bars, an opening in the lower part of the vessel for the inflow of the treating fluid and an overflow outlet in the upper part of the vessel opening into said open space for carrying off the lighter constituents of the mixture, said constituents being otherwise confined from escape from the lower part of the vessel.

1,505,480. FLEXIBLE FRICTION DRIVE FOR GENERATORS AND THE LIKE. KEITH R. MANVILLE, Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 17, 1923. Serial No. 613,117. 2 Claims. (Cl. 64—106.)

1. A coupling of the character described including a circular coupling plate carried on one shaft, a flexible disk carried on the other shaft, a coupling cap having a flange constituting a seat for the flexible disk and adapted to be threaded onto the circular coupling plate, the cap and coupling plate constituting an enclosed housing, a presser plate disposed within the housing thus formed to maintain the friction disk on its seat and springs disposed within said housing to co-operate with the presser plate.

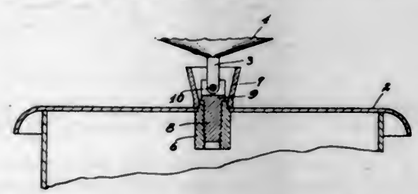


1,505,481. ACOUSTICAL DEVICE. CHARLES R. MOORE, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1919. Serial No. 313,729. 9 Claims. (Cl. 181—26.)



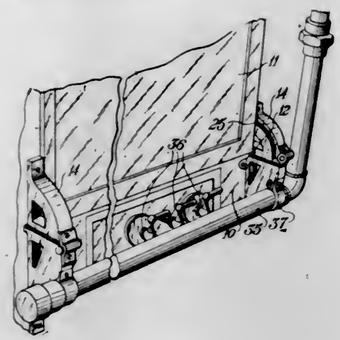
6. An acoustical device provided with a plurality of independent acoustic paths, each path comprising a plurality of multiple paths and a common path, and means to inversely vary the lengths of the independent paths by varying the lengths of the multiple paths thereof.

1,505,482. HEAT DEFLECTOR. JAMES B. MORROW, Oakland, Calif. Filed Sept. 20, 1923. Serial No. 663,771. 3 Claims. (Cl. 126—58.)



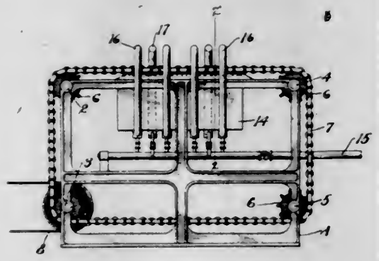
1. The combination with a heater, having a top, of a deflecting plate, a tilting rod secured to said plate, a hollow fastening member secured to said top, a pin secured within said fastening member, and a bolt extending through said pin and said rod.

1,505,483. BRACKET FOR DOORS. HENRY A. CHEVOLA, New York, and CHARLES B. MOSSI, Brooklyn, N. Y. Filed May 14, 1921. Serial No. 469,745. 2 Claims. (Cl. 126—191.)



1. The combination with a door of an oven or the like, said door being provided with a hinge lug, of a bracket having an opening for receiving said hinge lug, said bracket comprising a recessed member, a coil spring disposed within said recessed member and coacting with said oven door for closing the same and spring pressed retaining means carried by said bracket for holding the oven door in its fully opened position.

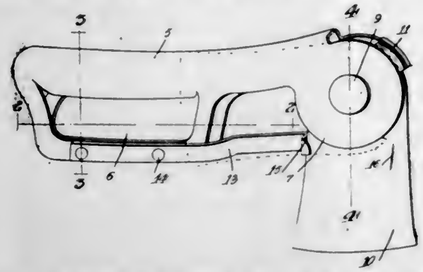
1,505,484. SAND-BLAST CLEANING METHOD AND APPARATUS THEREFOR. HARRY A. MULVANY and HARRY E. KENNEDY, Berkeley, Calif. Filed Aug. 29, 1921. Serial No. 496,406. 3 Claims. (Cl. 51—278.)



1. The method of cleaning the entire surface of objects having a more or less circular periphery which consists in placing and entirely supporting them upon devices having a substantially circular periphery, rotating said devices and thereby rotating the articles and passing them while rotating through the field of a sand blast directed substantially normal to the direction of passage of said devices across the sand blast.

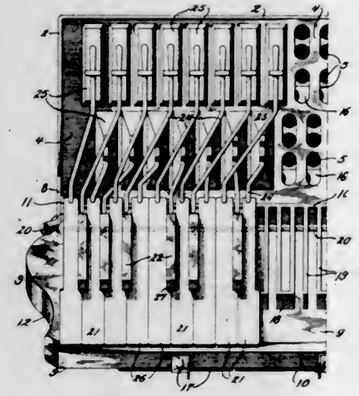
1,505,485. FOLDING AX. JOHN RICHARD PALM, St. Cloud, Minn. Filed Dec. 10, 1923. Serial No. 679,687. 1 Claim. (Cl. 145—2.)

In a tool, a handle portion including a length of sheet metal bent intermediate its side edges to provide overlying portions, a spring arm having an offset portion at its free end, means extending through the spring arm and overlying portions of the handle to secure the spring arm and overlying portions together, inwardly extended flanges forming a part of the handle, a blade pivotally supported between the overlying sections of the handle at a point adjacent to one end thereof, said blade having a shoulder to engage the flanges and restrict movement



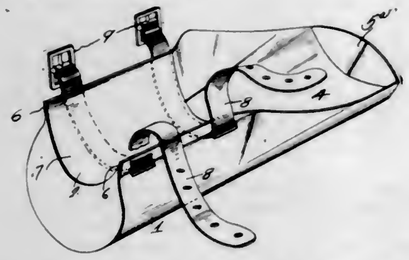
thereof, and said offset portion of the spring arm adapted to engage one edge of the blade to restrict movement thereof in the opposite direction.

1,505,486. PIANO-KEY MECHANISM FOR ACCORDIONS. JAMES PALMER, Philadelphia, Pa. Filed Sept. 22, 1922. Serial No. 589,898. 8 Claims. (Cl. 84—376.)



1. In an accordion having a casing housing the treble playing means and the valves for controlling the same; a one-piece keyboard composed of a plate having side and end flanges and division walls extending from one of the side flanges partway across the plate, the end flanges being secured to the casing; keys pivoted to the division walls, and connections between the keys and the valves.

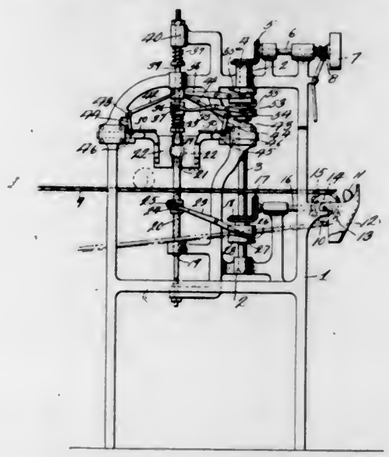
1,505,487. FRUIT-PICKING DEVICE. ORSON D. PARK, Alden, Mich. Filed Mar. 27, 1923. Serial No. 628,012. 1 Claim. (Cl. 224—28.)



A fruit picking device comprising an elongated receptacle in a longitudinally disposed recess of one side of which the arm of an operator is adapted to be received

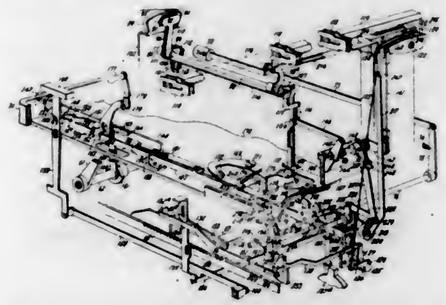
to a point adjacent the wrist of the operator, straps extending through said receptacle in engagement with the inner side of the wall forming the recess whereby said straps will not engage the inner side of the arm and bind the muscles thereof, the outer end of said receptacle merging into a flared scoop shaped member positioned below the hand of the operator, the end of said scoop shaped member being provided with an upwardly extending flange on which stems and branches may be broken, said flange being disposed beneath the plane of the hand and arm of the operator.

1,505,488. PEACH CUTTING AND PITTING MACHINE. IGNAZIO PIERMATTEI, Landisville, N. J. Filed Apr. 24, 1924. Serial No. 708,689. 7 Claims. (Cl. 146—28.)



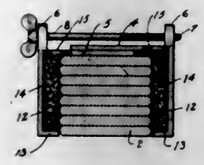
1. A peach severing device comprising vertically movable cooperating pit gripping members, oppositely disposed horizontally movable severing knives, means for moving said knives towards each other into opposite sides of a peach, and means for spreading said knives when they reach the end of their inward movement and means for restoring the gripping members to normal position.

1,505,489. COMBINED TYPEWRITING AND COMPUTING MACHINE. HENRY L. PITMAN, Westfield, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed June 12, 1923. Serial No. 644,841. 33 Claims. (Cl. 235—60.)



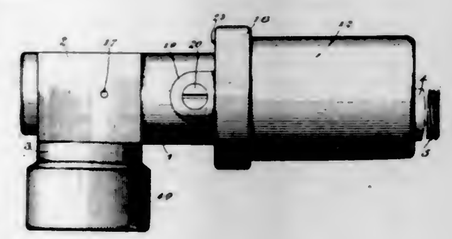
1. In a combined typewriting and computing machine, numeral-keys, a carriage, carriage-controlled means for determining computing zones, carriage-controlled means for locking the numeral-keys when the carriage reaches a computing zone, an addition-key, and means actuable by said addition-key for releasing said numeral-keys.

1,505,490. SPRING LUBRICATOR. DANIEL L. POWERS, Arvada, Colo. Filed Dec. 18, 1922. Serial No. 607,534. 2 Claims. (Cl. 184—1.)



1. A spring lubricator comprising, in combination, two relatively movable members, each having two portions angularly related to each other, one of said portions being concave and adapted to fit against the side of a multiple leaf spring, the other portion of one of said members being flat and adapted to fit against the top of a spring, the corresponding portion of the other member being channel shaped and adapted to receive the flat portion of the other member in adjustable relation, upwardly extending ears at the corners of each member and a clamping bolt passing through said ears, and adapted to perform both the clamping and adjusting functions.

1,505,491. AIR CHUCK. JAMES W. PRICE, Tulsa, Okla., assignor to The Tulsa Invention Company, Tulsa, Okla., a Corporation of Oklahoma. Filed Mar. 22, 1923. Serial No. 626,994. 8 Claims. (Cl. 137—53.)

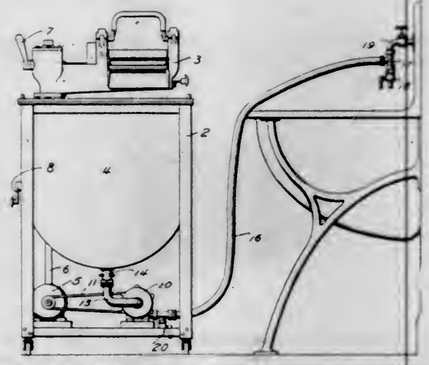


1. A device of the character described comprising a body having a groove and a chamber connected by a slot, means adapted to slide in the groove and having a heel extending through the slot into the chamber, a head forming part of the body having a bore communicable with the chamber, a valve in the chamber, means engaging the valve and the heel being adapted to keep the valve seated, and means operable on the body adapted to actuate said slide means to advance the heel in said slot and chamber and thereby impart varying degrees of pressure to said seating means requiring a preponderance of air pressure in said bore before said valve will unseat.

1,505,492. WASHING MACHINE. CHARLES E. REDDIG, Kew Gardens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1920. Serial No. 414,396. 3 Claims. (Cl. 68—37.)

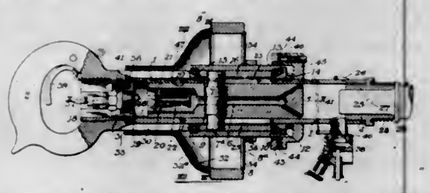
3. In combination, a washing machine, a pump through which water may pass both in and counter to

the pumping direction, a motor, a driving connection between said motor and said pump whereby the pump is



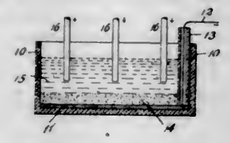
actuated whenever the motor is in operation, and single means for conducting water to and from said pump.

1,505,493. IMPACT TOOL. EDMUND WILLSON ROBERTS, Cincinnati, Ohio, assignor of one-half to C. S. Somervell, Riverton, N. J. Filed Aug. 13, 1920. Serial No. 403,194. 12 Claims. (Cl. 123—7.)



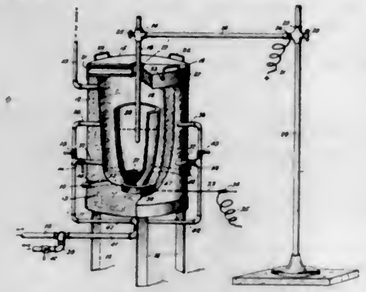
1. The combination in an impact tool, of a cylinder having a longitudinal slot therethrough, a tool-bit operatively connected to one end of said cylinder, a piston longitudinally movable therein and arranged to strike said tool-bit at one end of its stroke, means for imparting striking movement to said piston by an explosive force, a cross-head carried by said piston and having an end projecting through said slot beyond the outer surface of the cylinder, a cam rotatably mounted with respect to said cylinder and encircling the same; said cam cooperating with the projecting end of said cross-head, and a fly-wheel operatively connected with said cam; said cam and cross-head being arranged to convert the rectilineal movement of said piston into rotary movement of said fly-wheel whereby the latter may retract said piston after each power stroke.

1,505,494. PROCESS FOR EXTRACTING METALS. RICHARD RODRIAN, New York, N. Y., assignor, by mesne assignments, to Hans Adelmann, New York, N. Y. Filed Apr. 29, 1922. Serial No. 557,286. 11 Claims. (Cl. 204—15.)



1. The process which consists in electrolyzing a comminuted metal-bearing mass while it is in contact with the cathode, in the presence of an alkaline electrolyte, whereby there is obtained within said electrolyte a solid product containing a metal constituent separating the solid product from the electrolyte, washing such product and drying it, and finally recovering the metal constituent from such product.

1,505,495. SMELTING APPARATUS. RICHARD RODRIAN, New York, N. Y., assignor to Rodrian Electro-Metallurgical Co., Incorporated, a Corporation of Delaware. Original application filed Mar. 3, 1922, Serial No. 540,730. Divided and this application filed May 26, 1922. Serial No. 563,749. 3 Claims. (Cl. 204—19.)

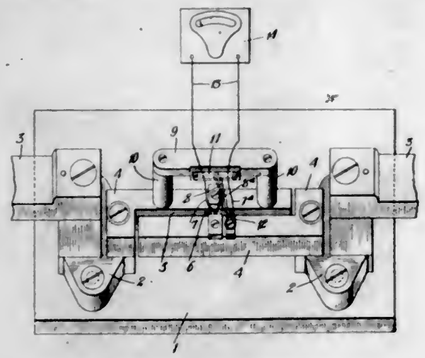


1. A furnace for the reduction of metal comprising a smelting chamber, the inner surface of which is of non-conducting material, means to bring a charge of metal placed within said chamber to a molten condition comprising a plurality of downwardly directed nozzles passing through said inner surface, and means to treat electrolytically the molten metal within said chamber comprising a plate of electrically conducting material set into the bottom of said smelting chamber and an electrode extending downwardly into said chamber substantially in alignment with and spaced from said conducting plate.

1,505,496. PROCESS OF MANUFACTURING ACTIVE CARBON. KARL RHODE, Berlin-Charlottenburg, Germany, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed Apr. 12, 1921. Serial No. 460,851. 6 Claims. (Cl. 252—3.)

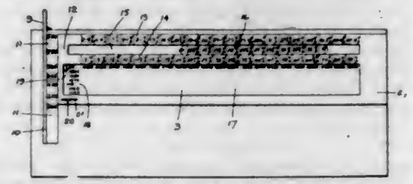
1. Process of manufacturing active carbon, consisting in impregnating a carbonaceous material of fossil origin with alkali and heating the mass to a temperature of approximately 1000° C. with the exclusion of air.

1,505,497. ELECTRICAL MEASURING INSTRUMENT. FRANK W. ROLLER, East Orange, N. J., assignor to Roller-Smith Company, a Corporation of New York. Filed Dec. 20, 1920. Serial No. 431,877. 5 Claims. (Cl. 171—95.)



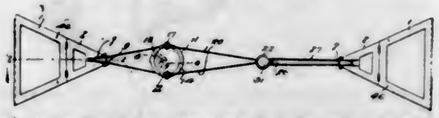
1. In an electrical measuring instrument, a conductor heated by the passage of current therethrough, and two thermo-couples connected in series with each other and having their electromotive forces opposed to each other, the hot joint of one of said couples being in thermal connection with one portion of said conductor and the hot joint of the other of said couples being in thermal connection with another portion of said conductor having a different temperature from the first named portion, and means for causing the distant ends of the outer elements of the couples to have the same temperature as each other.

1,505,498. PRICE CALCULATING MACHINE. BENJAMIN STANLEY ROSS, New Westminster, British Columbia, Canada. Filed June 30, 1923. Serial No. 648,728. 1 Claim. (Cl. 235—87.)



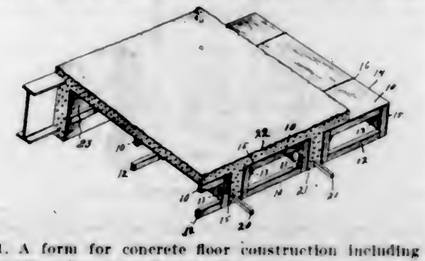
A device of the class described comprising a rotatable chart having a column of base or cost price figures successively increasing in value, a horizontal row of figures to each base figure represening the base figure plus a given percentage increase thereon, an upper and a lower percentage scale spaced apart to define an intervening slot, a percentage scale indicating overhead expenses slidable within the slot the percentages of which are adapted to be read in conjunction with the upper scale to determine desired profit, and means whereby a selling price may be read in a single vertical column immediately below the desired overhead percentage on an article of any given cost price.

1,505,499. MEANS FOR FACILITATING THE COPYING OF DRAWINGS. LEONARD SAARI and WILLIAM JACKSON, Superior, Ariz. Filed Apr. 12, 1923. Serial No. 631,580. 5 Claims. (Cl. 33—23.)



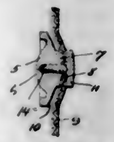
2. A device of the class described, including a pair of frame members adapted to be secured to a suitable support, an elastic connection between said frame members removably and adjustably connected thereto, a marker holder mounted on said elastic connection, and a ring shaped indicator member having an indicating projection thereon extending to the central portion thereof adjustably secured on said connection, said indicator being adapted for movement relative to the frame member for producing a corresponding movement of said pencil holder.

1,505,500. CONCRETE FLOOR CONSTRUCTION. ELWYN E. SEELYE, White Plains, N. Y. Filed Oct. 20, 1920. Serial No. 418,177. 2 Claims. (Cl. 72—66.)



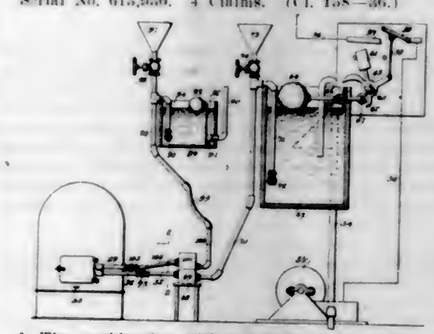
1. A form for concrete floor construction including a plurality of wooden frames, thin wooden top and side walls secured thereto, transverse strips carried by each frame at its lower edge and having its ends projecting beyond said side walls, and a bottom wall of metal lathing secured to said strips.

1,505,501. BUTTON. CARL STEHL, Ionia, Mich. Filed Aug. 11, 1920. Serial No. 402,846. 1 Claim. (Cl. 24—105.)



A separable button, consisting of a head having a threaded bore formed centrally therein, a reduced shank formed on one side of said head, said shank having its end rounded to provide a semi-spherical surface, a retainer member, a threaded stud carried by said retaining member adapted to be received in the threaded bore in said head, the surface of said retainer member adjacent said semi-spherical surface of said shank being concaved and of the same curvature as the semi-spherical surface for binding a portion of the material therebetween to which the button is attached.

1,505,502. SYSTEM FOR BURNING OIL. GEORGE T. SMALLWOOD, Washington, D. C. Filed Jan. 20, 1923. Serial No. 613,930. 4 Claims. (Cl. 158—36.)



1. The combination with a burner, of means for supplying by gravity a liquid fuel and water to the burner, comprising reservoirs for each, a water supply pipe connected to the water reservoir, a float-controlled valve for the water supply pipe, a siphon for withdrawing water from the water reservoir, said siphon having a short leg opening into the water reservoir and a long leg connected to the burner, a pump for delivering liquid fuel to the fuel reservoir, float-operated pump controlling means associated with the latter reservoir, and a siphon for withdrawing liquid fuel from the fuel reservoir and comprising a short leg opening into the fuel reservoir and a long leg, said long leg being connected to the burner.

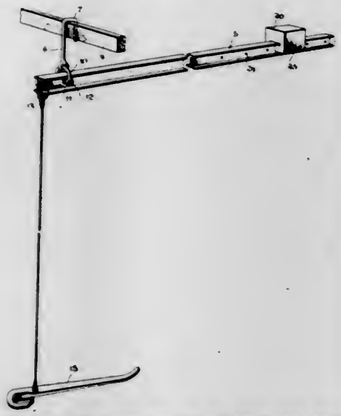
1,505,503. DISPENSING APPARATUS. SCOTT STEWART. Rivesville, W. Va. Filed Aug. 16, 1923. Serial No. 657,797. 5 Claims. (Cl. 211—8.)



1. In a device of the character described, a casing comprising a pair of segmental end walls and a curved bottom, the top of said casing being open, a cylinder

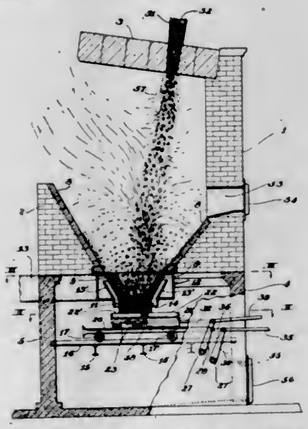
mounted in said casing with the axis of the cylinder arranged at right angles to said end walls, the side wall of said cylinder being provided with a cut-out portion forming an edge adapted to receive materials in the bottom of said casing and carry them upwardly, and a slide normally closing the open portion of said casing.

1,505,504. WRENCH POLE. LORENZO JACOB STONER, Tulsa, Okla. Filed Sept. 1, 1922. Serial No. 585,738. 2 Claims. (Cl. 248—6.)



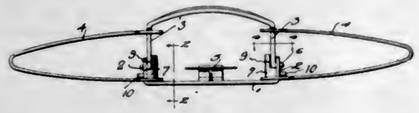
1. A wrench pole for use in oil and gas well operations comprising an I-beam, a wrench supporting member connected to one end of the beam, the other end of the beam being provided with a series of openings, and a balance weight having a T-shaped groove receiving the upper flange and the web of said beam, said weight being provided with a fastening bolt selectively extending through one of said openings whereby to adjustably connect the weight to the beam whereby to balance the wrench.

1,505,505. FURNACE. JOHN F. O. STRATTON, Sewickley, Pa. Filed Sept. 24, 1923. Serial No. 664,376. 12 Claims. (Cl. 110—72.)



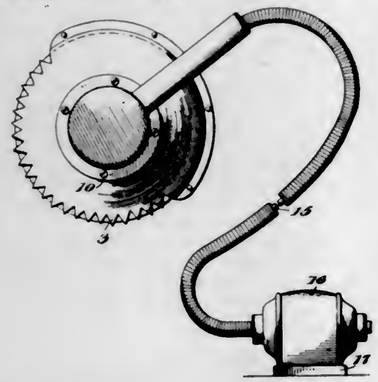
1. A furnace comprising a fire pot having an opening in the bottom thereof, an air pressure compartment therebelow, a bodily movable grate interposed between the said fire pot and compartment, said grate being composed of a plurality of independently movable spaced apart sections, and means for moving said grate sections in unison whereby to vary the position of the space therebetween transversely of the fire pot.

1,505,506. SPRING TRAP-JAW GUARD. FRANK STULTZ, Canon City, Colo. Filed Feb. 26, 1923. Serial No. 621,236. 2 Claims. (Cl. 43—88.)



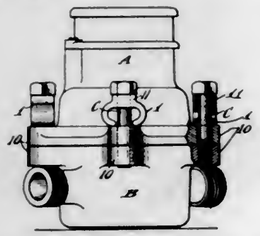
1. In an animal trap, in combination with a base plate having upwardly bent ends, each of which are provided with apertures, jaws pivotally mounted in said apertures, and blocks mounted on said base plate and secured to said upwardly bent ends each having a notch therein adjacent the bent up end of the base plate to form a pocket for receiving the ends of the jaws for preventing accidental disengagement of said jaws from said bent ends.

1,505,507. SKINNING KNIFE. WILLIAM SUKALLE, Phoenix, Ariz. Filed July 9, 1923. Serial No. 650,372. 2 Claims. (Cl. 17—22.)



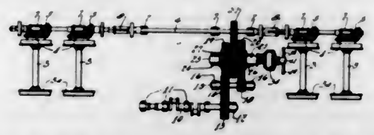
1. In a skinning knife, comprising a pair of spaced concaved disks adapted to be bolted together for a portion of approximately one-half of their circumference, a rotary knife blade positioned between said disks, one of said disks having an opening therein, a housing bolted upon said disk having an opening therein, and means extending from said housing through said opening for operating said rotary knife blade.

1,505,508. WATER METER. LEON TRAGER, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Dec. 21, 1922. Serial No. 608,377. 10 Claims. (Cl. 137—71.)



1. A water meter having a sectional casing and means for securing the casing parts together including a yielding spacer supporting the pressure of said securing means and deformable under excessive pressures tending to separate the casing parts, said spacer being of such resiliency as to be deformed beyond its elastic limit and take a permanent set with the casing parts separated when the meter is frozen.

1,505,509. GEARED LOCOMOTIVE. HARRY L. TURNEY, Portland, Oreg. Filed Aug. 11, 1923. Serial No. 656,885. 10 Claims. (Cl. 105—117.)



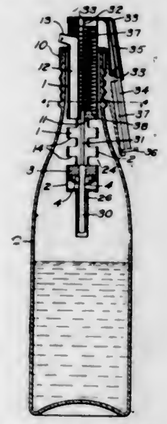
1. In a geared locomotive, the combination of a frame; an engine mounted on one side of the frame; a longitudinal drive shaft at the opposite side of the frame; a gear connection between the engine and the shaft; and driving axles driven from the shaft.

1,505,510. TOOL. MATTHÄUS UHL, Donau, Germany. Filed Apr. 18, 1923. Serial No. 632,831. 3 Claims. (Cl. 294—48.)



1. A pliers comprising pivotally connected members each terminating at one end in a longitudinally projecting bifurcated arm, a transversely positioned pin connecting the spaced parts of each arm, and interchangeable jaws each having a tongue at one end adapted for insertion into the slot of the arm of one plier member, said tongue having an arcuately curved slot to receive said pin, the jaw adapted to be turned on said pin into longitudinal alignment with the arm.

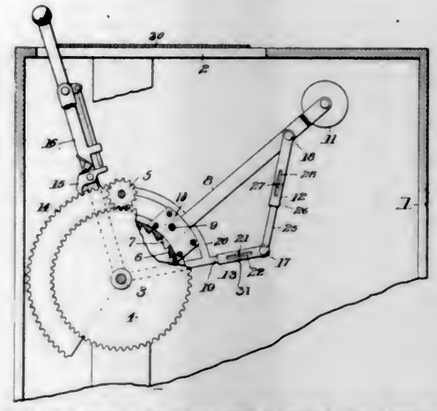
1,505,511. LIQUID DISPENSER. HARRY W. ERICK, Seattle, Wash. Filed May 16, 1922. Serial No. 561,334. 11 Claims. (Cl. 221—98.)



1. A dispensing apparatus including a pair of members having a plurality of axially spaced ports, and relatively axially movable through a short distance to form a closed trap for an individual charge of the material to be dispensed, and a separate ejector movable through such trap through a greater distance to expel the material.

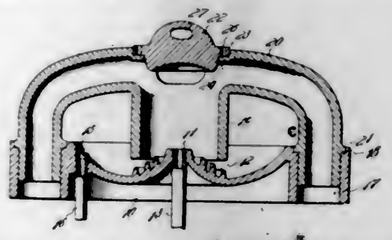
7. In a dispensing apparatus, in combination, a plurality of relatively movable trap-forming members, a separate plunger movable therethrough to eject a charge of material trapped therein, a flexible tension member connected to said plunger, guides for said flexible member leading it back upon itself and then in the opposite direction, and a push button connected to the end of said flexible member, whereby movement of the push button will cause movement of the plunger in the same direction.

1,505,512. MOTOR RESETTER. MORRIS VICTORSOHN, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,048. Renewed Jan. 5, 1924. 4 Claims. (Cl. 185—27.)



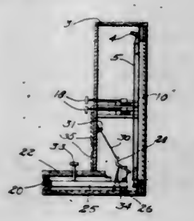
1. In a motor of the character described, the combination with a swinging weighted arm, of a rotary member coaxial with said arm, means for rotating said member, and an extensible link connecting said weighted arm to said rotary member for the purpose specified.

1,505,513. BURNER. RICHARD A. WALKER, Skidmore, Mo. Filed Sept. 14, 1923. Serial No. 662,761. 3 Claims. (Cl. 158—91.)



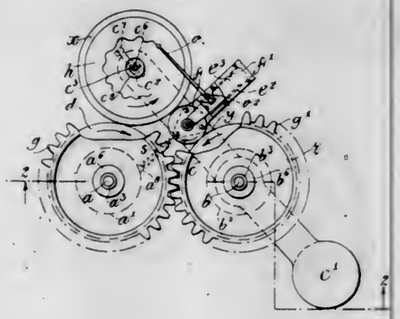
1. In an oil burner, a base designed to form a fuel receiving bowl, a fuel supply pipe communicating therewith, an overflow pipe leading from said bowl, said base being further formed to provide a plurality of air inlet openings, a top member supported upon the base and including a centrally disposed tubular portion, flues radiating from said portion and terminating beneath the bottom thereof, and adapted to be received by the air inlet openings, said top member having a central opening arranged immediately above the tubular portion, a flange projecting inwardly from the wall of said opening and having a circular series of slots, a cap closing said opening and supported by said flange, said cap having slots adapted to be moved into and out of registration with the slots of said flange to regulate excessive draft, and means for adjusting the top member with relation to the bowl to position the tubular member at different distances above the latter for the purpose specified.

1,505,514. PEDAL ZITHER. JOHN WEISS, Brooklyn, N. Y. Filed Nov. 27, 1922. Serial No. 603,384. 1 Claim. (Cl. 84—324.)



A pedal zither comprising, an upright casing having music wires mounted therein, double hinged doors on said casing when lifted providing an opening, a separate keyboard adapted to be inserted into the opening having a plurality of keys therein, a post adjacent each key, a crank arm fulcrumed in each post, a lever connecting said crank arm and key, a flexible blade on each crank arm, and hammer heads on the ends of the blades to strike the music wires when the bolts are depressed, springs adapted to return the crank arms to normal position, a pair of damper bars slidable in front of the music wires, pads on said bars, said pads on one bar being adapted to dampen all the wires and the pads on the other bar being adapted to dampen half the wires, a stem on each of said bars adapted to manipulate the damper bars, and means for inserting said keyboard into the casing.

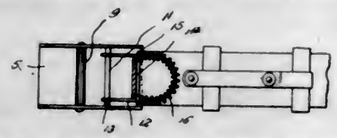
1,505,515. APPARATUS FOR INDICATING DIFFERENCES IN ANGULAR VELOCITY IN ROTATING MEMBERS. GOTTFRIED WIRRER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 12, 1923. Serial No. 662,360. 6 Claims. (Cl. 234—1.)



1. In an apparatus for indicating differential angular velocity between rotary members in combination with two rotating members whose differential angular velocity is to be indicated, other members rotated synchronously with said members respectively, another member rotated by direct frictional engagement with said second named members and means to indicate differential rotation of the first mentioned members by bodily displacement of the last mentioned member.

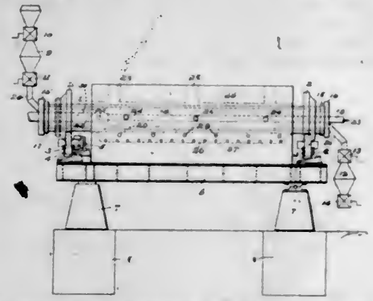
1,505,516. HELT BUCKLE. DORSEY M. WIRTH, Bucyrus, Ohio. Filed Aug. 21, 1923. Serial No. 658,481. 1 Claim. (Cl. 24—194.)

A buckle structure comprising a body having means for engaging a strap, a bar disposed transversely of the body, a ball having its ends pivotally connected with the bar, a bar slidably mounted upon the end portions of the



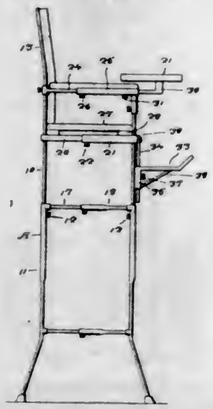
ball, and a spring coiled about the outer portion of the ball and having its ends bearing against the side of the bar which is slidably mounted upon the ball.

1,505,517. PROCESS OF ACTIVATING CARBON. JOHN C. WOODRUFF and THORNE L. WHEELER, New York, N. Y. Filed May 5, 1919. Serial No. 294,799. 6 Claims. (Cl. 252—3.)



1. A process of increasing the adsorptive power of carbon by oxidation, which comprises conveying the carbon through an elongated heated reaction zone, distributing an active oxidizing agent throughout the reaction zone so that all of the carbon therein is simultaneously subjected to the action of the oxidizing agent before the latter is materially contaminated by the end products of the reaction, the carbon being maintained during the reaction at a temperature sufficiently high to ensure rapid activation, by the external application of heated combustion products.

1,505,518. HIGH CHAIR. SAMUEL T. WORKMAN, Jr., Moorestown, N. J. Filed July 12, 1922. Serial No. 574,447. 2 Claims. (Cl. 155—115.)



1. A high chair comprising supporting legs, a seat frame made up of telescopic sections whereby the size of the frame can be varied, braces connecting the front and rear legs of the chair and including telescopic sections

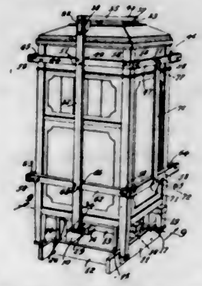
to permit said legs to be moved toward and away from each other simultaneously, with the adjustment of said frame to vary the size of the latter, said rear legs being extended to provide a back rest, and arm rests connecting the front and rear legs and including telescopical sections for the purpose specified.

1,505,519. FORD TRANSMISSION LINING. BENJAMIN IRA YOUNG and HARRY R. HAYWOOD, Petaluma, Calif. Filed June 18, 1923. Serial No. 646,082. 9 Claims. (Cl. 188—259.)



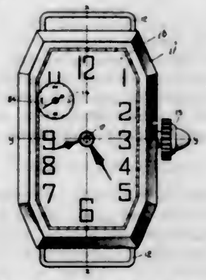
5. A transmission lining consisting of a strip of wood boiled in an aqueous solution of sodium chloride and water-glass, then left to soak for a predetermined time in a bath of lubricating oil, and finally bent to the shape of the band it is to fit before being placed in the latter.

1,505,520. METHOD AND MEANS FOR PACKING ARTICLES FOR SHIPMENT. ERNEST R. ZABRISKIE, Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Oct. 19, 1921. Serial No. 508,638. 36 Claims. (Cl. 217—52.)



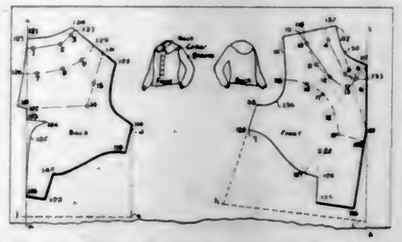
1. In a packing for cabinets or the like, a case, means adapted to be secured to the cabinet for supporting it within and for spacing it from the walls of the case and means secured to the case and slidably engaging the supporting means and adapted to prevent vertical movement thereof.

1,505,521. WATCH. SAMUEL KRESSER, New York, N. Y. Filed June 18, 1924. Serial No. 720,841. 9 Claims. (Cl. 58—127.)



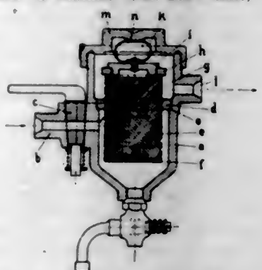
1. A watch dial of a non-circular symmetrical geometric form whose diameters along coordinate axes are unequal, and a seconds unit dial offset from a position on the coordinate axes.

1,505,522. MULTIFOLD-PATTERN MAKER. SARAW LANDA, New York, N. Y. Filed Oct. 7, 1922. Serial No. 593,118. 3 Claims. (Cl. 33—13.)



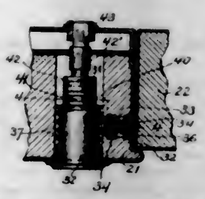
2. In an article of the class described, two pattern charts, each having its boundary edge shaped in the outline of portions of a plurality of garment parts whereby predetermined portions respectively of the boundary edge of one chart may be fitted in abutting relation with a co-operating portion of the edge of the other chart to form successively the outline of the several parts of a garment.

1,505,523. PURIFIER FOR LIQUID FUELS. BRUNO ADLER, Dresden, Germany. Filed Sept. 2, 1922. Serial No. 585,954. 2 Claims. (Cl. 210—165.)



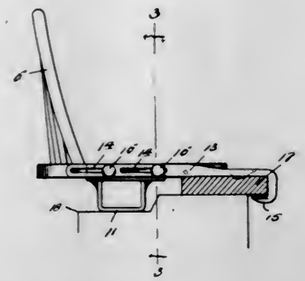
2. A purifier for liquid fuels comprising a casing having an inlet and an outlet, an internal projecting shoulder upon the inner surface of said casing, a strainer of the form of a rotary body in said casing, an intermediary ring upon said strainer tightly fitting into said shoulder and bearing upon the same and dividing the strainer into a lower and upper part, an upper end disk of the strainer, a lower end disk of the strainer, an insertion in the upper end disk and a bowshaped spring upon said insertion designed also to serve as handle the inlet of the casing being arranged on one side of the said intermediary ring and eccentrically to the strainer in a manner that the entering liquid flows tangentially to the strainer, the outlet of the casing being arranged on the other side of the said intermediary ring.

1,505,524. AUTOMOBILE DOOR LOCK. PETER F. AUGENBRAUN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed June 30, 1922. Serial No. 572,004. 11 Claims. (Cl. 70—46.)



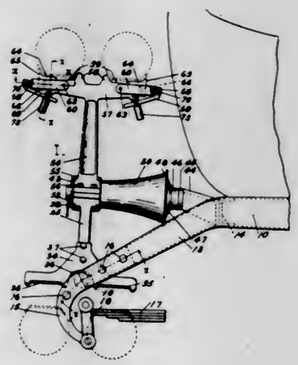
1. In means for securing a cylinder lock to a door independently of the lock casing, the combination with an internally threaded sleeve, means for securing said sleeve in a bore in the door, and a screw in said sleeve and adapted to engage the cylinder lock.

1,505,525. SAFETY SEAT FOR WINDOW CLEANERS. JOSEPH BADAGLIACCA, Paterson, N. J. Filed Jan. 4, 1923. Serial No. 610,583. 1 Claim. (Cl. 304—26.)



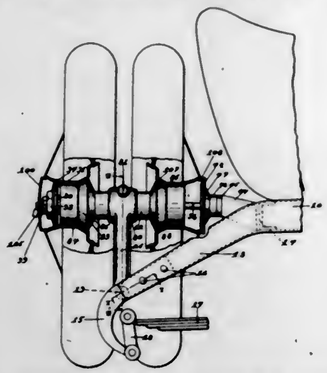
A window chair comprising a seat, plate members applied to the under side of the seat and at the opposite side edges thereof and having flanges which are disposed along the side edges of the seat, arm members provided at one end portion with longitudinally disposed slots, set screws passing through these slots and engaging in the flanges of the plate members, the set screws being disposed at the side edges of the seat and in horizontal alinement with the seat, the said arm members being provided with hook extremities adapted to engage around the edge of a window sill, and U-shaped legs permanently carried at the under sides of the plate members and adapted to bear at their intermediate portions upon the sill of the window.

1,505,526. CARRIER FOR SPARE RIMS AND WHEELS. EDWARD H. BELDEN and HARRY E. RHOADS, Toledo, Ohio, assignors, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 4, 1917. Serial No. 172,720. 32 Claims. (Cl. 224—29.)



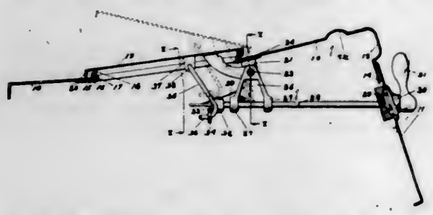
1. The combination with an automobile frame, comprising side bars, having their rear ends extending downwardly, a cross bar and a brace rod extending between the rear ends of said side bars; of a supporting member having a pair of legs with their lower ends journaled on said brace rod, and united at their upper ends; a member secured to said cross bar and having a boss with a threaded opening therein; a disc, secured to said boss; a carrier tube; and a bolt coacting with said supporting member taking into said threaded opening and disposed within said tube, for rigidly connecting said supporting member to said cross bar with said tube in contact with said disk.

1,505,527. CARRIER FOR SPARE WHEELS. EDWARD H. BELDEN and HARRY E. RHOADS, Toledo, Ohio, assignors, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Original application filed June 4, 1917, Serial No. 172,720. Divided and this application filed July 30, 1917. Serial No. 183,497. 14 Claims. (Cl. 224—29.)



1. The combination with an automobile frame, comprising side bars and a cross bar; of a supporting member pivotally connected with said frame; a member secured to said cross bar and having a boss with a threaded opening therein; a yieldable disc secured to said boss and having a peripheral flange adapted to receive one end of a wheel hub; a hub-receiving member carried by said supporting member; and a bolt co-acting with said supporting member and threaded opening and disposed within said hub-receiving member, for rigidly connecting said supporting member to said cross bar, said yieldable disc having a flange arranged substantially perpendicular to said bolt.

1,505,528. COWL VENTILATOR FOR MOTOR VEHICLES. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 30, 1917. Serial No. 204,633. 10 Claims. (Cl. 98—22.)

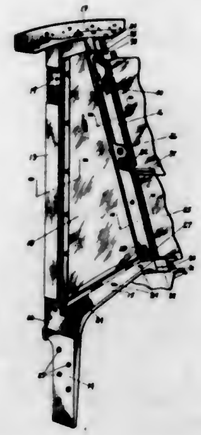


1. In a motor vehicle, the combination of a cowl, provided with a ventilating opening therein; a cover for said opening; brackets secured to the lower face of said cowl and depending therefrom; a hinge pintle carried by said brackets; hinge arms connecting said cover and said pintle; a hanger carried by said pintle; a shaft journaled in said hanger; means for rotating said shaft; and connections between said shaft and said cover, whereby the rotation of said shaft opens and closes said cover.

1,505,529. WINDSHIELD AND TOP SUPPORT. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 25, 1920. Serial No. 412,731. 6 Claims. (Cl. 296—103.)

1. In an automobile, a body having forward door openings, supports mounted upon the body in front of said openings, said supports comprising triangular frames

consisting of vertical, horizontal and inclined members, ledges on the tops of said frames adapted to support the longitudinal rails and the forward transverse rail



of an automobile top, all of said members comprising each frame, together with the corresponding ledge, being formed of an integral piece of metal.

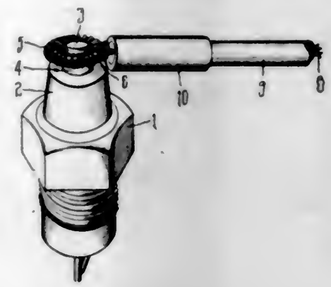
1,505,530. VEST OR COAT FOR CARRYING SECURITIES. HUGO BELZ, New York, N. Y. Filed Dec. 5, 1921. Serial No. 520,144. 2 Claims. (Cl. 2—93.)



1. A garment of the class described, the combination of the usual outer and inner layers of fabric, a double layer of flexible metal forming a pocket encircling the body, a single layer of flexible metal supporting said pocket from the shoulders, and a plurality of steel plates co-active with each other for securing and locking said pocket in closed condition.

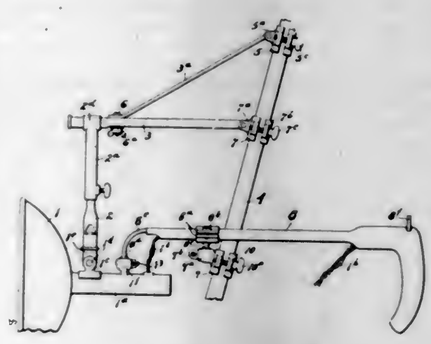
1,505,531. FLEXIBLE TERMINAL FOR IGNITION WIRES. RICHARD W. BENSETT, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 19, 1920. Serial No. 360,022. 2 Claims. (Cl. 173—269.)

1. An electric terminal comprising a conductor, a conducting annulus arranged in conducting relation to said conductor, and a loop of coiled spring wire supported upon said annulus with the latter passing through the coils of the loop and arranged in conducting relation



thereto whereby high tension current may be transmitted from said conductor through said annulus and loop to a terminal with which the loop is engaged.

1,505,532. VEHICLE LAMP MOUNTING. OLIVER PERRY BIGELOW, Cleveland, Ohio. Filed Dec. 22, 1921. Serial No. 524,077. 7 Claims. (Cl. 240—61.)

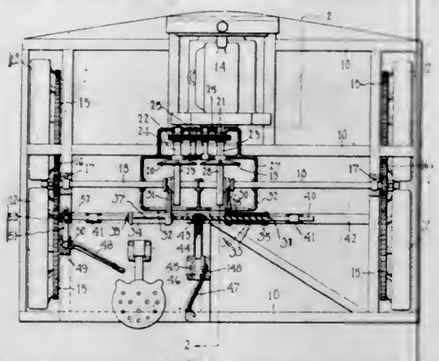


1. In a lamp mounting, including a lamp having a supporting stem, a support, vertical and transverse swivel connections between the latter and said supporting stem of said lamp permitting a universal movement to be imparted to the latter, and an operating handle mounted for universal movement and flexibly connected to said lamp for imparting a universal movement to said lamp with a like movement of said operating handle.

1,505,533. FRICTION-DRIVEN FARM TRACTOR. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 28, 1920. Serial No. 406,677. 12 Claims. (Cl. 180—17.)

1. In a tractor of the class described and in combination with independently driven driving wheels located upon opposite sides of the tractor, two driving shafts each independent of the other and through which said driving wheels are driven, and an engine whereby the tractor is operated; two rotatable friction discs driven by said engine; two friction wheels one operatively connected with each of said shafts and the peripheries of which friction wheels are in engagement one with each of said discs; a rotatable and longitudinally movable shaft having right and left hand threaded portions; two nuts with

which said threaded portions engage; means through which movement of said nuts is communicated to said

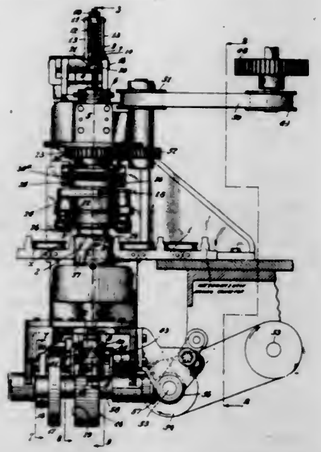


discs; means for imparting rotary motion to said last mentioned shaft; and means for moving said last mentioned shaft longitudinally.

1,505,534. TREATMENT OF TEXTILE FABRICS OR FIBERS. AUGUSTE BODIN, Seclin, France, and JEAN ESPERONT, Brussels, Belgium. Filed Apr. 19, 1920. Serial No. 375,106. 8 Claims. (Cl. 8—2.)

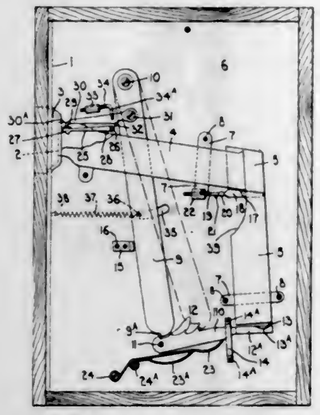
1. A process for freeing textile materials from the dressings with which they are charged, which consists in subjecting the textile material to the action of bacterial enzymes.

1,505,535. CLINCHING DEVICE. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed May 27, 1922. Serial No. 564,243. 9 Claims. (Cl. 113—23.)



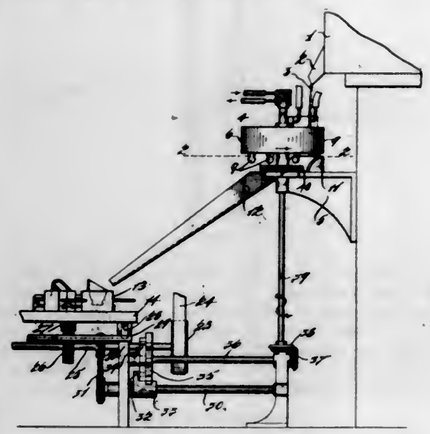
1. A device for partially clinching covers to irregular-shaped containers comprising: lower and upper pressure elements between which the container and cover are held, a supporting element the axis of which is substantially coincident with those of the pressure elements, a clinching tool mounted on the supporting element, means for effecting a relative rotary movement of said pressure elements and said supporting element with respect to each other, and means for effecting an in and out movement, of the clinching tool, of such amplitude as to bring said tool, on its inward movement, into the plane of the greatest dimension only of the container and cover.

1,505,536. COIN-FREED DELIVERY APPARATUS. HENRY BROOKER, Goodmayes, England. Filed Dec. 27, 1920. Serial No. 433,402. 9 Claims. (Cl. 194—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a coin controlled machine, a pivoted delivery device, coin-actuated means for moving the delivery device forwardly to one end of its stroke step by step upon the forcible insertion of coins into the machine, a catch which prevents the delivery device from moving backward prematurely, means for retracting the catch by coin action when all the necessary coins have been inserted into the machine, and means for moving the delivery device backwardly to its original position at a single stroke when the said catch is retracted.

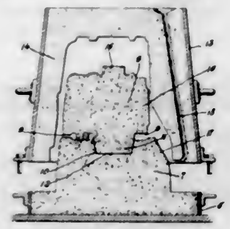
1,505,537. MACHINE FOR FORMING GLASS ARTICLES. HENRY M. BROOKFIELD, New York, N. Y., assignor to The Brookfield Glass Company, a Corporation of New Jersey. Filed June 6, 1917. Serial No. 173,090. 6 Claims. (Cl. 49—5.)



4. In apparatus for forming articles of glass, in combination with means for feeding molten glass in a continuous unconfined stream, of a distributor for dividing said stream into separate masses to be subsequently delivered to molds, said distributor comprising a horizontally rotatable table provided with a series of vertically walled openings therethrough, means for intermittently

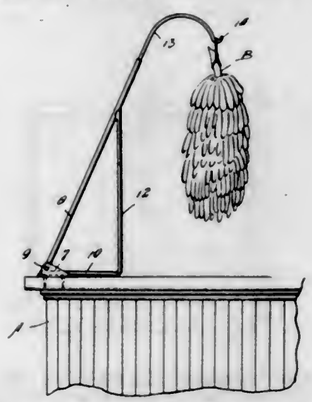
rotating said table to bring said openings successively into line with said stream of molten glass, and a stationary shear member adjacent to the stream of glass and to the upper surface of the table and adapted to cooperate with the upper end of each opening to sever the stream of glass and carry it over the intervening table surface to the succeeding opening as the table makes its intermittent movement of rotation.

1,505,538. MOLD FOR CASTING CLUTCH AND TRANSMISSION GEARING CASINGS. ARTHUR A. BELL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 1, 1922. Serial No. 540,120. 10 Claims. (Cl. 22—133.)



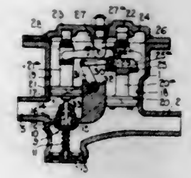
1. A sand mold for use in making a single piece casing having clutch and change speed gearing chambers comprising a lower mold section having an upwardly extending portion shaped to conform with the interior of the clutch chamber of the casing, and which portion is provided with a recess in its upper end; a core supported by and above said portion and having a projection extending downward and into said recess, and which core is spaced apart from the upper end of said upwardly extending portion to provide a web separating the clutch and change speed gear chambers aforesaid from one another and the form of which core corresponds with that of the interior of said change speed gearing chamber; and an upper mold section resting upon said lower section and the interior of which is shaped to correspond with the exterior of the combined clutch and change speed gear casing produced in using said mold, said upwardly extending portion and said core having laterally extending portions terminating in substantial contact with the inner surface of said upper mold section to thereby provide openings in the finished casting.

1,505,539. BANANA RACK. EDGAR W. BURKE, Monument, Kans. Filed Feb. 26, 1923. Serial No. 621,218. 1 Claim. (Cl. 211—15.)



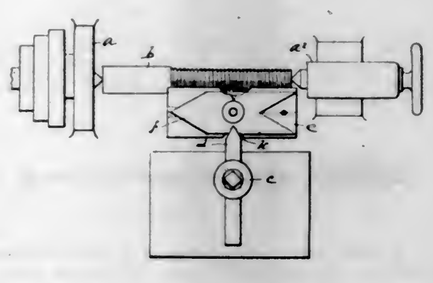
A rack comprising bracket members having plane base surfaces adapted to be mounted upon a support and side portions provided at the side edges of the base portions, leg members pivotally mounted to the side portions of the bracket at points above the base surfaces thereof and between the side portions thereof, said legs having arm portions adapted to engage the base surfaces of the brackets and retain the legs at acute angles with relation to the planes of the base surfaces of the brackets, brace portions connecting the ends of the arms with the intermediate portions of the legs, converging hangers carried at the upper portions of the legs and coming together at a point between the legs and provided with a hook at their point of connection with each other.

1,505,540. RAILWAY BRAKE APPARATUS. ALBERT BULBICK, Eastleigh, England. Filed Mar. 31, 1922. Serial No. 548,348. 3 Claims. (Cl. 303—22.)



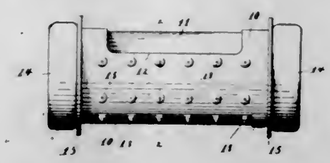
1. In railway brake apparatus, a braking regulator comprising a casing having two piston chambers, a valve controlling the passage of air through the casing, pistons slidable in the piston chambers, one piston being adapted to open the said valve and the other piston being provided with a crosshead having a runway, a lever mounted on a stationary fulcrum pivot and operatively connected with the piston that opens the valve, and having one end portion arranged in the said runway, and a movable bearing member arranged between the said end portion of the lever and the runway and having its distance from the said pivot controlled by the load depression of the car-body, and operating to vary the effective brake action in proportion to the load.

1,505,541. CENTER GAUGE. FRED T. BURNS, Detroit, Mich. Filed Mar. 6, 1922. Serial No. 541,516. 2 Claims. (Cl. 33—185.)



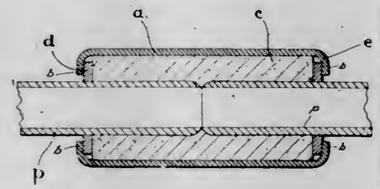
1. In a tool gauge, the combination with a base plate forming a straight edge and having a reading line formed on the surface of the plate, of an indicator pivoted to the base plate having a pointer at one end substantially remote from its pivot point, and a notch in substantial proximity to its pivot point, which notch is adapted to receive the end of the tool, said notch and pointer so relatively disposed that when the pointer registers on the reading line a radius to the pivot perpendicular to the straight edge passes through the apex of the notch.

1,505,542. CASH CARRIER. HAROLD P. CANTON, Union Hill, N. J., assignor to G & G Atlas Systems, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 12, 1923. Serial No. 680,095. 3 Claims. (Cl. 243—34.)



1. A cash carrier designed for pneumatic tube service, the outer periphery of which is provided with a grasping surface disposed intermediate the buffer heads and definitely constructed to indicate the special type of said carrier by the sensation of touch on the part of the person handling the same.

1,505,543. PIPE CONNECTION. GEORGE CONSTANTINESCO, Weybridge, England. Filed Sept. 30, 1922. Serial No. 591,631. 1 Claim. (Cl. 285—193.)



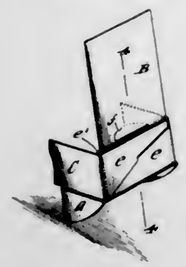
A fitting for connecting smooth ended pipes comprising in combination a rubber sleeve adapted to fit closely to the pipe ends to be connected, a metal sleeve fitting closely on said rubber sleeve, washers fitting tightly on the metal pipes to be connected and of smaller external diameter than the internal diameter of said metal sleeve, the ends of said external sleeve being spun or pressed over to enclose said washers and said rubber sleeve and adapted to hold said washers in place whereby said rubber sleeve is completely enclosed in metal as set forth.

1,505,544. ROTARY TOOTHBRUSH. JAMES ROBERT CRUIKSHANK, Vancouver, British Columbia, Canada. Filed Sept. 11, 1922. Serial No. 587,516. 3 Claims. (Cl. 15—26.)



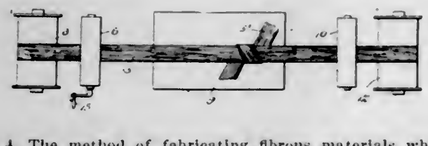
3. A rotary tooth brush including a tubular member provided at one end with a socket, a socketed member arranged in the socket, a cap detachably connected to the outer end of the socket, anti-friction balls between the ends of the socketed member and said cap and socket, a spiral member fixed to the socketed member and extending into the tubular member, said socketed member, balls and spiral member being withdrawable when said cap is disconnected from the socket, a brush connected to the socketed member, and a second tubular member slidably mounted in the first tubular member and provided at its inner end with a nut engaging the threads of the spiral member.

1,505,545. DISPLAY BOX. EDWIN E. DARRAGH, New York, N. Y. Filed Dec. 8, 1922. Serial No. 605,560. 17 Claims. (Cl. 206—44.)



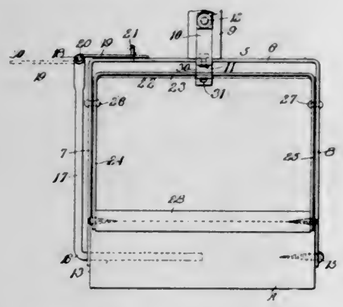
10. A display box having a trough-like easel support provided with two walls forming the sides of the trough and two walls forming the ends of the trough and hinged by one of said trough sides directly to a lower edge of the rear end of the box and adapted alternately to be disposed beneath the bottom of said box or to fold over said box end and the adjacent top portion of the box.

1,505,546. METHOD FOR PRODUCING ARTIFICIAL FABRICS. NINA L. DURYEA, Stockbridge, Mass. Filed Sept. 30, 1921. Serial No. 504,468. 4 Claims. (Cl. 154—2.)



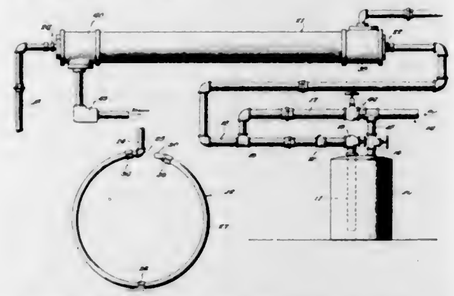
4. The method of fabricating fibrous materials which consists in preparing sheets of fibres; passing one of said sheets longitudinally through impregnating rolls and thereby applying a binder element, and compressing said fibres; wrapping a second sheet of longitudinally disposed fibres diagonally around said impregnated sheet; passing said wrapped sheets through other rolls, whereby said fibres are impregnated with a binding element and compressed into a relatively thin sheet of fabric.

1,505,547. MOP HOLDER AND WRINGER. PAUL EBELING, Boston, Mass. Filed Jan. 21, 1922. Serial No. 530,740. 1 Claim. (Cl. 15—119.)



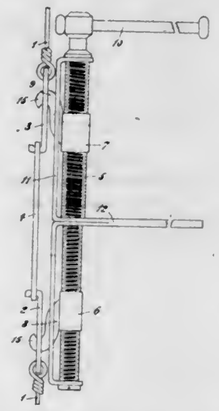
A mop holder having, in combination, a main frame embodying therein a pair of parallel arms, a handle for said main frame, a crank embodying therein an arm and having a portion bent at right angles to said arm, said right angle portion being rotatably mounted upon said main frame, a handle formed of wire and pivotally attached to said crank, a cylindrical drum rigidly fastened at one end thereof to the right angle portion of said crank and having a mop attached thereto, means mounted at the other end of said drum to rotatably support said end of said drum in said main frame, a U-shaped swinging frame embodying therein a pair of parallel arms pivotally mounted upon the arms of said main frame to swing within the latter, a roller mounted upon said swinging frame and a handle for said swinging frame whereby the latter may be rocked upon said main frame to force said roller into engagement with said mop.

1,505,548. TIRE HEATER. RAYMOND L. FAY, Phillipsburg, N. J. Filed Sept. 5, 1922. Serial No. 586,241. 4 Claims. (Cl. 263—5.)



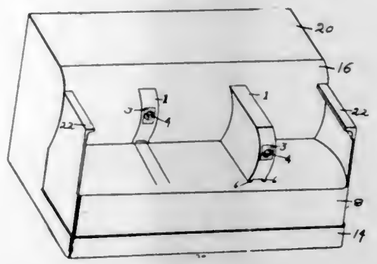
1. An apparatus of the class described comprising open inter-communicating tubular hoops, one of which constitutes a burner and the other of the hoops a superheater, and means for adjusting the diameters of the hoops, a compressed fuel supply, a conduit from said supply to said superheater and a preheater having a steam chamber through which said conduit is led.

1,505,549. STAY-ROPE TIGHTENER WITH TURNBUCKLE THEREFOR. SVEND FÆRCH, Grejsdal Pr. Vejle, Denmark, assignor to himself and Brödr. Brincker, Grejsdal Hammervaerk, Vejle, Denmark, a Firm of Denmark. Filed Nov. 27, 1922. Serial No. 603,988. 8 Claims. (Cl. 24—19.)



1. A stay-rope tightener comprising a pair of hooked members each having an eye at one end and a hook at the other end; and a coupling link provided with a plurality of perforations adapted to engage the hooked members at suitable perforations.

1,505,550. AUTOMOBILE SEAT. THOMAS FREEDLANDER, Baltimore, Md. Filed Feb. 28, 1923. Serial No. 621,724. 2 Claims. (Cl. 155—112.)

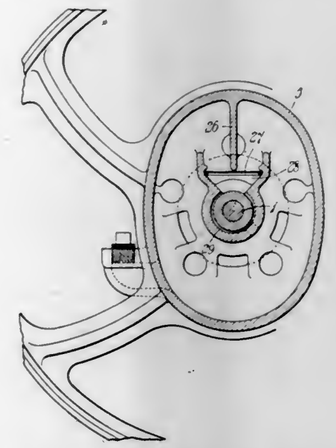


1. The combination in a vehicle seat having a cushion base and seat cushion of an arm rest for said seat adapted to be moved forwardly and rearwardly thereon into and out of operative position, said base and cushion having flexible housings therein, extensions on the lower portion of said arm rest fitting in slots in the seat cushion and between said flexible housings whereby said slots may expand and contract upon movement of the arm rest into and out of operative position.

1,505,551. METHOD OF PREPARING VITAMINE-FREE PRODUCTS AND FOODSTUFFS. CASIMIR FUNK and LOUIS FREEDMAN, New York, N. Y., assignors to Herman A. Metz; New York, N. Y. Filed May 25, 1922. Serial No. 563,666. 3 Claims. (Cl. 99—11.)

3. Process of preparing vitamine-free casein which comprises, forming a solution of sodium caseinate, treating the solution with hydrogen peroxid and fuller's earth, separating the solution from the fuller's earth, and recovering casein from the solution.

1,505,552. MEANS FOR LUBRICATING ROTARY MEMBERS. HENRY GARNER and JAMES PARKER GARNER, Birmingham, and SYDNEY SMITH, London, England; said Smith assignor to said James Parker Garner and said Henry Garner. Filed July 14, 1921. Serial No. 484,655. 6 Claims. (Cl. 64—26.)



6. A means for lubricating slow speed rotary members mounted on axles, comprising an axle and a rotary member mounted thereon, a chamber moving with the rotary

member, a vane rotating with the rotary member and adapted to raise the lubricant at each revolution from the said chamber and to direct it to the hub, said hub having a delivery passage adjacent the delivery end of said vane, a duct receiving lubricant from said passage, said duct extending partly around the circumference of the bearing, whereby the lubricant can select its own point of entry to the bearing surfaces, and a return passage leading to said chamber, and closures to prevent the escape of lubricant between the hub and the axle.

1,505,553. CLASP. THOMAS E. GILMORE, Oakland, Calif. Filed Feb. 26, 1923. Serial No. 621,294. 4 Claims. (Cl. 24—123.)



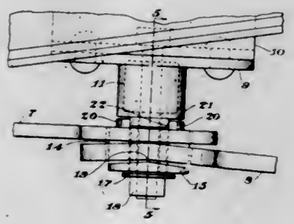
1. A clasp for cables and the like comprising a split sleeve having the intermediate portion of the split extending only a portion of a helical turn, and the end portions of the split extending parallel to the longitudinal axis of the sleeve.

1,505,554. METAL END STRUCTURE FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Walter P. Murphy, Chicago, Ill. Filed Oct. 1, 1920. Serial No. 413,987. 12 Claims. (Cl. 105—410.)



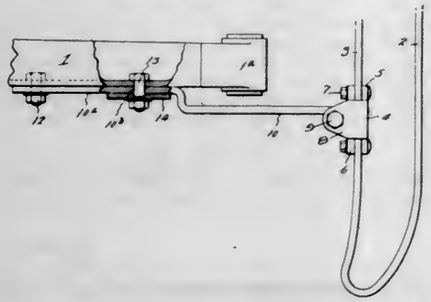
1. In a freight car, the combination with the car sides and interior end lining, of end posts of different depths exterior of the lining, and a metal end secured exteriorly to the end posts and to the car sides, the opposite sides of which are at an angle to each other.

1,505,555. UNCOUPLING DEVICE FOR CAR COUPLERS. GARTH G. GILPIN, Riverside, Ill. Continuation of application Serial No. 458,501, filed Apr. 4, 1921. This application filed Dec. 14, 1922, Serial No. 606,871. Renewed Feb. 9, 1924. 10 Claims. (Cl. 213—164.)



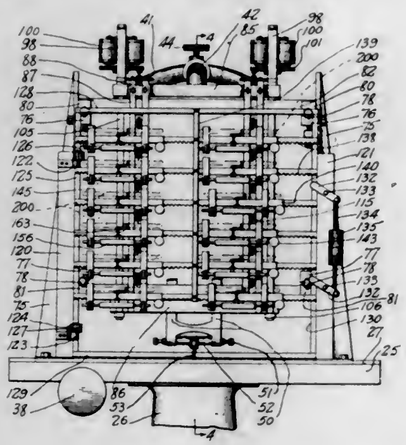
1. A release rigging for railroad car couplers comprising an operating lever, a coupler lock pin lifting lever, a fulcrum for said levers upon the car, and a combined connecting and bearing block which passes through apertures in said levers.

1,505,556. BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 23, 1922. Serial No. 602,681. 2 Claims. (Cl. 293—55.)



1. The combination, with the side member of a vehicle, of a bumper, a supporting arm for said bumper, the said arm having a flat portion adapted to bear against the side member, a bolt extending through apertures in the side member and the arm for securing the latter to the former, and a reinforcing plate mounted on the outer surface of said arm and also having an aperture for said bolt, the said plate forming a bearing for one end of such bolt and extending a short distance from such bolt toward the bumper, whereby the arm and plate will yield under thrusts applied laterally to said arm between said bolt and said bumper.

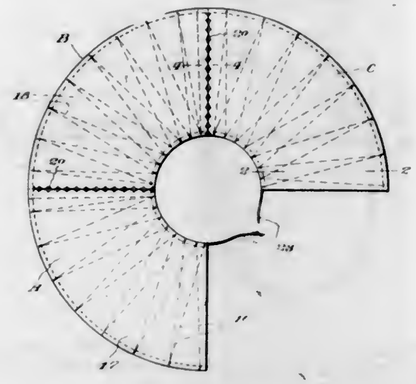
1,505,557. MULTIPLE ENGRAVING MACHINE. FRANK B. GLOVER, Brooklyn, N. Y. Filed Oct. 1, 1920. Serial No. 414,107. 24 Claims. (Cl. 33—24.)



1. An engraving machine comprising a frame having a plurality of scribers therein, means for actuating the scribers simultaneously, and means for collectively raising said scribers, said means permitting raising the scribers independently.

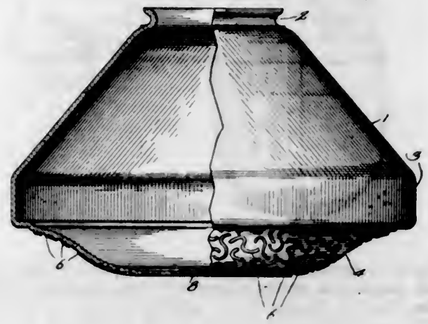
1,505,558. FLOOR MAT. EMIL A. GRABOWSKI, Escanaba, Mich. Filed Jan. 26, 1923. Serial No. 615,179. 5 Claims. (Cl. 20—78.)

1. In a floor mat, a frame composed of upper and lower sections, each made up of closely spaced strips of yieldable material arranged in substantial parallelism and connected together, a comparatively thin pad of uniform



thickness resting on said upper section, and a removable cover stretched tightly over the pad to provide a smooth and plane surface to walk on.

1,505,559. LIGHTING UNIT. FLORENCE L. GRANT, Chicago, Ill., assignor to Inland Glass Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 16, 1923. Serial No. 619,504. 2 Claims. (Cl. 240—100.)

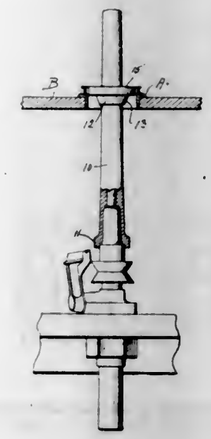


1. A one-piece totally enclosed lighting unit having a semi-transparent, trunco-conical upper portion provided with means for attaching the unit to a supporting fixture, an integral and continuous cylindrical portion depending from the lower rim of the conical portion, a converging portion below the cylindrical portion and integral and continuous therewith, said converging portion being of substantially clear rippled glass, and a bottom portion which is approximately horizontal and is integral and continuous with the converging portion.

1,505,560. METHOD OF MANUFACTURING NUTRITIOUS FATS. ADOLF GRÜN, Aussig, Czechoslovakia, assignor of one-half to the Firm Georg Schicht, A.-G., Aussig, Czechoslovakia. Filed Apr. 5, 1921. Serial No. 458,855. 9 Claims. (Cl. 99—13.)

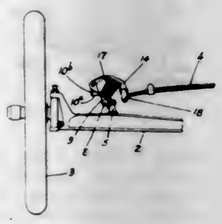
1. The process of producing nutritious fats which consists in heating neutral fats containing triglycerides together with glycerin until mono- and diglycerides are formed, and then converting these mono- and diglycerides into mixed triglycerides by heating with free fatty acids.

1,505,561. ADJUSTABLE PLUG OR SET FOR CENTERING, PLUMBING, OR SETTING SPINDLES. ALBERT M. GUILLET, Charlotte, N. C. Filed Nov. 1, 1922. Serial No. 598,443. 12 Claims. (Cl. 33—180.)



1. A device for plumbing or truing spinning spindles comprising a tubular body adapted to fit upon the spindle and rotate therewith, and a detachable annular bushing adapted to be applied to said body or removed therefrom, the bushing having a diameter slightly less than but approximating the internal diameter of the spinning ring with which the spindle coacts whereby the bushing will permit the vertical traverse of the spinning ring.

1,505,562. SHOCK ABSORBER. GEORGE H. HAYES, Minneapolis, Minn. Filed Mar. 20, 1922. Serial No. 545,143. 10 Claims. (Cl. 267—17.)

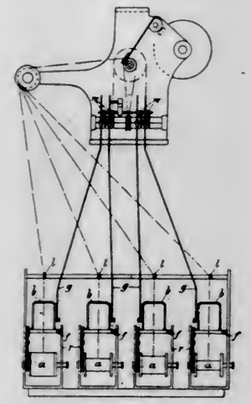


1. A shock absorber comprising a member rigidly supported at one end and having an inclined upper surface, a second member having one end pivotally connected with the other end of said rigidly supported member, a compression spring seated upon said inclined surface between said members and a vehicle body spring pivotally connected with the other end of said second member.

1,505,563. JACK FRAME OR SPOOLING MACHINE. GUIDO HORN, Berlin-Weissensee, Germany. Filed Oct. 6, 1923. Serial No. 666,983. 6 Claims. (Cl. 242—36.)

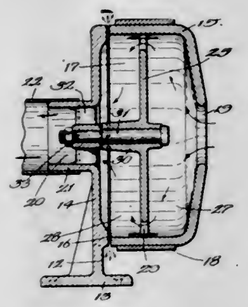
1. In a spooling machine, a thread guide, a delivery spool, a stopping device, a brake acting upon the delivery

spool, said guide controlling said brake in accordance with the tension of the thread and releasing the brake



to act upon the delivery spool and actuating the stopping device when the thread runs out or breaks.

1,505,564. AIR-CLEANING DEVICE. GEORGE C. JETT, Milwaukee, Wis., assignor of two-fifths to Walter H. Stiemke, Milwaukee, Wis. Filed Sept. 24, 1919. Serial No. 326,090. 11 Claims. (Cl. 183—77.)

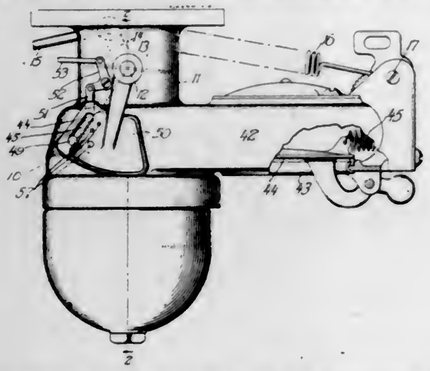


1. In an air cleaner, a shaft, a hub, and a drum of differential diameters supported from the hub by radial blades, the smaller portion constituting a central air inlet for the larger and being adapted to serve as a pulley whereby the drum may be caused to rotate upon the shaft.

1,505,565. CARBURETOR. CHESTER F. JOHNSON, Detroit, Mich. Filed Nov. 26, 1915. Serial No. 63,468. 11 Claims. (Cl. 261—72.)

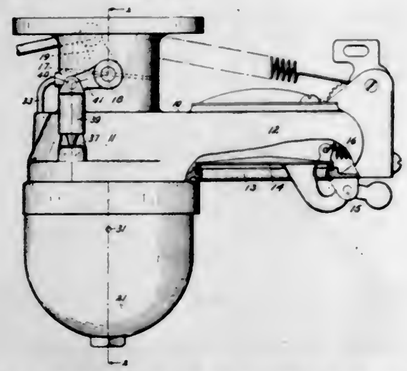
1. In a carburetor, a fuel chamber provided with a port adapted to communicate with the atmosphere, a mixing chamber provided with a port adapted to communicate with the atmosphere, a throttle valve, another valve adapted to control the communication of said ports with he atmosphere, and interconnected means for operating said valves.

6. In a carburetor, the combination with a throttle valve a fuel chamber, a mixing chamber, a fuel nozzle feeding fuel thereto, a primary air intake and an auxiliary air intake also leading to said mixing chamber, said fuel chamber and said mixing chamber each being provided with an air passage adapted to communicate with the



atmosphere, and a valve operable with said throttle valve for connecting said passages together and cutting off their communication with the atmosphere.

1,505,566. CARBURETOR. CHESTER F. JOHNSON, Detroit, Mich. Filed Dec. 21, 1916. Serial No. 138,145. 7 Claims. (Cl. 261—72.)

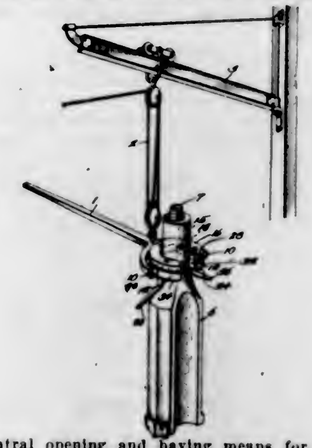


1. In a carburetor for internal combustion engines, a fuel chamber, a mixing chamber, a fuel passage leading from the fuel chamber to the mixing chamber, a throttle valve, and means independent of the suction of the engine and yieldingly connected with said throttle valve for admitting pressure to the surface of the fuel in said chamber, whereby the flow of fuel through said passage is controlled.

6. In a carburetor, a passage through which air flows to an engine, a fuel chamber communicating therewith, a port for admitting air to the fuel chamber, a passage connecting the first named passage to the fuel chamber above the level of the fuel therein, and means acting to normally close the port, said means including a cylinder and piston construction arranged to open the port at will and to thereafter gradually close said port.

1,505,567. SWIVEL WRENCH. BENJAMIN F. KELLEY, Tulsa, Okla. Filed July 6, 1922. Serial No. 573,165. 5 Claims. (Cl. 81—119.)

1. A swivel wrench for drilling tools having a bifurcated member adapted to be supported from the rigging, a plate supported by said bifurcated member, said plate being non-rotatable in a horizontal plane relatively to said bifurcated member, said plate having a central opening and also an opening in the open side of said bifurcated member for permitting the drilling tool to be inserted and removed laterally, and a second plate rotatably supported upon the first plate, the second plate also having a central opening and having means for engaging the squared portion of the drilling tool for rotating it and having an opening at the side for the lateral insertion and removal of the drilling tool, the second plate also having cavities countersunk in the upper surface on opposite sides of the central opening, said cavities being constructed toward the side opening of the plate.

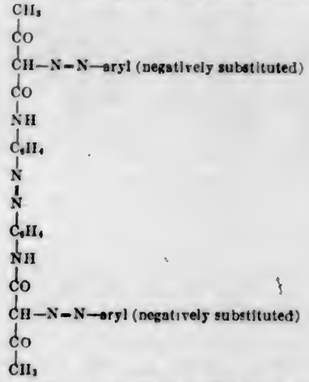


1,505,568. AZO DYES INSOLUBLE IN WATER AND PROCESS OF MAKING SAME. AUGUST LEOPOLD LASKA and ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignors to the Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Nov. 23, 1922. Serial No. 602,895. 18 Claims. (Cl. 260—77.)

16. As new articles the azodyestuffs, insoluble in water, which can be obtained by combining a diazo compound chloro substituted and not containing a sulfo or carboxylic group, with diacetoacetyl-ortho-tolidine:

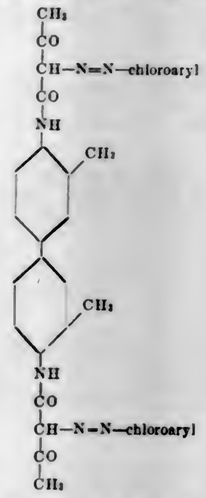


or carboxylic group, with diacetoacetyldiaminazobenzene, which dyestuffs probably have the general formula:



which are, when dry, yellow to brown and Bordeaux red powders, insoluble in water, and soluble in sulfuric acid to a yellow to violet solution, said dyestuffs yielding valuable lakes and when produced on the fiber, fast yellow to brown and Bordeaux red shades.

which dyestuffs probably have the general formula:



which are, when dry, yellow to brown and Bordeaux red powders, insoluble in water, and soluble in sulfuric acid to a yellow to violet solution, said dyestuffs yielding valuable lakes and, when produced on the fiber, fast yellow to brown and Bordeaux red shades.

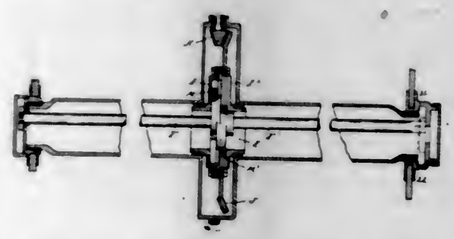
1,505,569. AZO DYES DERIVED FROM ACYLACETYL COMPOUNDS OF DIAMINS AND PROCESS OF MAKING SAME. AUGUST LEOPOLD LASKA and ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignors to the Corporation Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Nov. 23, 1922. Serial No. 602,896. 15 Claims. (Cl. 260—73.)

13. As new articles the azodyestuffs, insoluble in water, which can be obtained by combining a diazo compound negatively substituted and not containing a sulfo

or carboxylic group, with diacetoacetyldiaminazobenzene, which dyestuffs probably have the general formula:

which are, when dry, yellow to brown and Bordeaux red powders, insoluble in water, and soluble in sulfuric acid to a yellow to violet solution, said dyestuffs yielding valuable lakes and when produced on the fiber, fast yellow to brown and Bordeaux red shades.

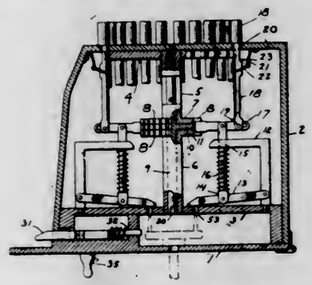
1,505,570. DIFFERENTIAL GEARING. NATHAN P. LEVIN, Detroit, Mich. Filed Nov. 6, 1920. Serial No. 422,191. 6 Claims. (Cl. 74—7.)



1. The combination with a rotary driving member and a pair of rotary driven members, of a differential transmission therebetween comprising a floating member carried by said driving member, means for constraining two spaced points in said floating member to the traversing of axially intersecting perpendicular lines in said driving member, whereby during differentiation said floating member will be rotated about a point midway between said spaced points, and said midway point will be given an orbital movement about the axis of the driving mem-

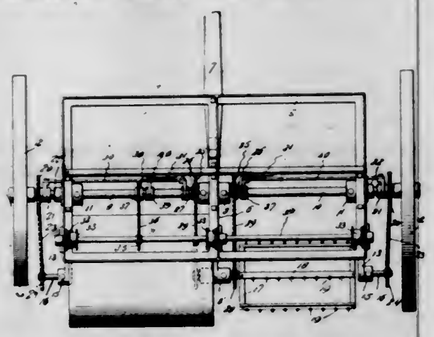
ber, and coupling connections between said floating member and the respective driven member, for communicating respectively said rotary and orbital movements.

1,505,571. ADJUSTABLE-TUMBLER KEY LOCK. JOHN LUOMA, Maynard Borough, Mass. Filed May 19, 1922. Serial No. 562,935. 3 Claims. (Cl. 70—70.)



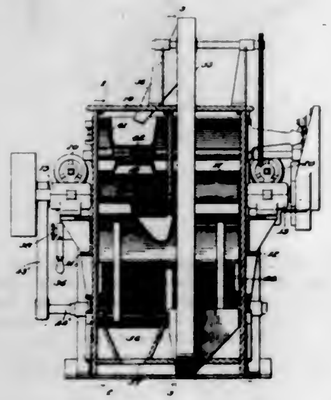
1. A lock, comprising a casing, a bolt movable in said casing, means for shifting said bolt, a spring pressed locking lever adapted to lock said bolt in door-locking position, a hollow shaft adapted to turn in said casing, said hollow shaft having said locking lever and a crank rigidly mounted thereon, a shaft within said hollow shaft having a suitable handle on its outer end and a link lever adapted to engage with said crank, on its inner end, a tumbler shaft arranged to turn in said casing, a radially notched tumbler disc and a second link lever rigidly mounted on said tumbler shaft, permutable means for locking said tumbler disc in place, and a link connecting said link levers. All substantially as described.

1,505,572. SOIL PULVERIZER. THOMAS W. MCDONALD, River Rouge, Mich. Filed July 11, 1923. Serial No. 650,786. 1 Claim. (Cl. 97—40.)



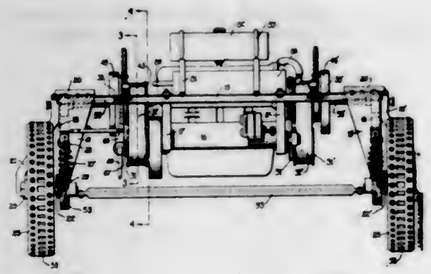
A soil pulverizer comprising a frame, aligned axle sections journalled thereon for independent rotation, a ground engaging wheel mounted upon each axle section, arms pivotally connected with the frame and the axle section at points below the said axle section, bearings carried at the free ends of the arms, soil engaging elements having shafts journalled in the last mentioned bearing, sprocket wheels fixed at the opposite end portions of the shafts of the soil engaging elements, sprocket wheels fixed at the inner end portions of the axle sections and aligned with the sprocket wheels at the inner ends of the shafts of the soil engaging elements, chains trained around said aligned sprocket wheels, sprocket wheels slidably mounted at the outer portion of the axle shaft, sprocket chains trained around the last mentioned sprocket wheels and sprocket wheels at the outer end portions of the shafts of the soil engaging elements, the sprocket wheels upon the axle sections having clutch hubs, clutch members mounted upon the axle sections, lever mechanisms mounted upon the frame and operatively connected with the clutch members and clutch hook.

1,505,573. ROLLER MILL. MARK J. MAYHEW, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware. Filed Nov. 27, 1922. Serial No. 603,556. 8 Claims. (Cl. 83—12.)



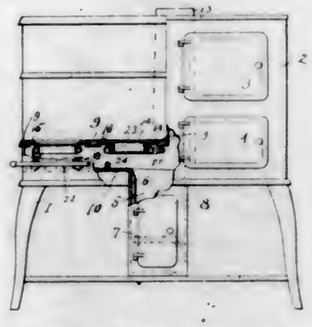
1. In a composite mill, the combination of a pair of shafts having a pair of break rolls and a pair of reduction rolls mounted thereon, a quadruple scalper beneath said rolls, means on said scalper for grading the stock and selectively conducting it to suitable outlets, and means for conveying the stock from the break rolls to the reduction rolls.

1,505,574. FARM TRACTOR. JOHN M. MEYERS, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 6, 1919. Serial No. 336,156. 9 Claims. (Cl. 180—17.)



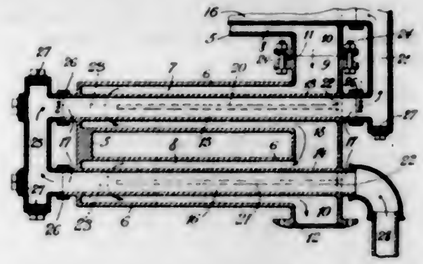
1. In a tractor, a driving wheel having a rim which contacts with the ground and supports the load upon the wheel, and which rim is provided with a series of spaced driving elements arranged circumferentially thereof; a driving shaft having an extending collar or flange; a two-part driving pinion the teeth of which engage the driving elements aforesaid to thereby drive the wheel; a ring adapted to lie within recesses provided in the parts of said driving pinion when they are assembled to form a complete pinion; and means for securing said ring and pinion parts together and to the flange aforesaid upon said driving shaft.

1,505,575. BURNER CONSTRUCTION. THEODORE J. MIGCHELBRINK, Cleveland, Ohio, assignor to The Co-Operative Stove Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 11, 1920. Serial No. 388,377. 6 Claims. (Cl. 126—36.)



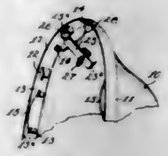
1. The combination with a top plate of a range, which top plate has an opening therein, of a burner comprising an endless tubular body corresponding in form with the said opening, means for supporting said burner directly beneath said plate and close thereto, said burner body having holes therein which are positioned to direct a flame toward the center of the opening in the said plate.

1,505,576. HEAT-EXCHANGE DEVICE. RANDOLF A. MIKALSEN, Brooklyn, N. Y. Filed June 29, 1921. Serial No. 481,278. 1 Claim. (Cl. 257—247.)



In an apparatus of the character described a unit having a plurality of parallel outer passages spaced a distance apart, a communicating transverse passage between the same at one end thereof, an inlet leading to one of said outer passages at the one end thereof, an outlet leading from another of said outer passages at the one end thereof, said inlet and said outlet being in alinement with the said transverse passage, open ended inner passages located axially within said outer passages, which latter and the said inner passages are non-communicating, partition plates for dividing said outer passages in upper and lower chambers within the space between the inner and outer passages, and extending from the one end of said outer passages to within a short distance of the opposite ends of said outer passages providing a space at said opposite ends around and on both sides of the said inner passages whereby to establish communication between the upper and the lower chambers within each of the said outer passages, apertured connecting flanges on the said inlet and outlet for connecting the said unit to adjacent similar units, a connection for connecting the open ends of adjacent inner passages within the unit and for joining adjacent inner passages in adjacent units, means for joining said connections to the said inner passages as aforesaid, all of the said passages and plates being cast in one piece to form the said unit.

1,505,577. AUTOMOBILE LAMP. CLAUD E. ALLEN, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 10, 1921. Serial No. 436,106. 2 Claims. (Cl. 240—41.)



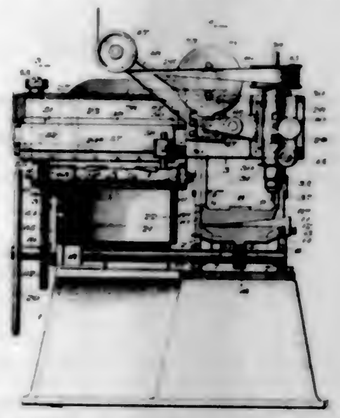
1. A lamp body having an axial circumferential edge, a reflector having a radial flange at its outer edge, means carried by the lamp body for limiting the inward movement of the reflector, and springs attached to the axial edge of the lamp body and adapted to engage the flange of the reflector, a glass held in contact with said reflector, a ring engaging the outer face of the glass and the exterior of the lamp body, and a latch arranged upon the interior of the lamp body at one side, and a screw working through the lamp body and adapted to actuate said latch to hold the ring in place.

1,505,578. RAZOR. CHARLES HARRA, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,635. 2 Claims. (Cl. 219—21.)



1. A razor blade provided with a stem and having material at its back extending laterally beyond the stem, said material having a bore extending substantially parallel to the cutting edge of the blade in a plane beyond the plane of the stem, a resistance conductor and an insulator therefor within said bore, whereby the cutting edge may be maintained at a sterilization temperature.

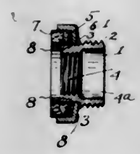
1,505,579. MOLD-CUTTING MECHANISM. ARTHUR L. BREITENSTEIN, Akron, Ohio. Filed June 15, 1922. Serial No. 568,377. 20 Claims. (Cl. 90—13.7.)



1. Mechanism for engraving annular objects comprising, a rotatable support for the object, a rotatable element having a pattern thereon, means operable to effect a differential rotation of the support and the element, a tool carriage having a tool thereon said carriage being

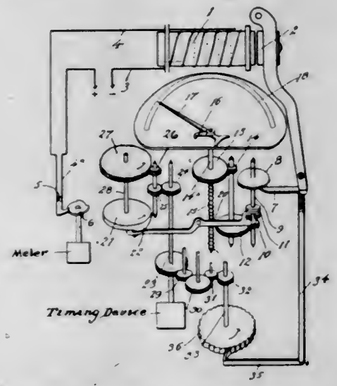
operable to traverse the object, and means adapted to control the operation of the carriage in accordance with the pattern upon said element.

1,505,580. NUT. ADELBERT E. BRONSON, Cleveland, Ohio. Filed Oct. 23, 1922. Serial No. 596,248. 6 Claims. (Cl. 85—32.)



1. A rim nut comprising a hollow cylindrical member having a portion of the outside surface provided with screw threads and having screw threads upon the inner surface, a cup-shaped member having a central opening through which a portion of the cylindrical member extends, and means for securing the cup-shaped member to the cylindrical member.

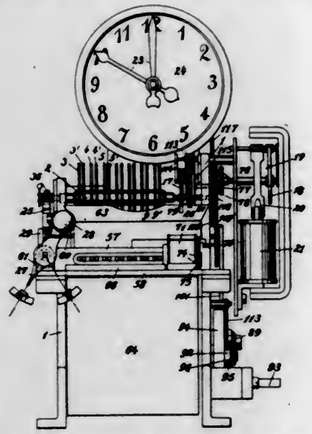
1,505,581. ELECTRIC METERING DEVICE. GEORGE CARLTON BROWN, Cincinnati, Ohio, assignor to General Electric Company, a Corporation of New York. Filed May 22, 1922. Serial No. 562,631. 6 Claims. (Cl. 171—34.)



1. In combination with a registering device, electric-driven means for operating the registering device, a time device co-operative therewith to act upon the registering device, and means adapted to inhibit the driving connection between the electric-driven means and the registering device upon a stopping of the time device.

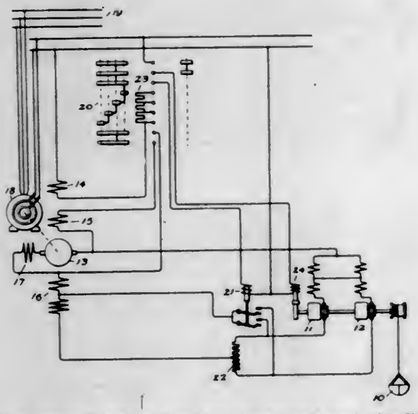
1,505,582. TIME RECORDER. RICHARD BÜGLER, Charlottenburg, and HERMANN VOIGT, Siemensstadt, near Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Sept. 1, 1921. Serial No. 497,676. 8 Claims. (Cl. 234—43.)

1. Apparatus for checking time, by marking cards having columns of divisions and spaces, each column corresponding to a definite time valve, and all the markings of a row of time values representing in symbolic manner the time to be marked, said apparatus comprising a clockwork, a rotatable controller having projections and recesses arranged on its circumference and being driven by said clockwork, a plurality of pairs of marking devices, a plurality of blocks adapted to be set by said controller, and working against the marking devices, an operating device working against said blocks, and means adapted to suitably shift the marking devices into different positions with respect to said blocks to move only



one of the marking devices of each pair by the operating device, so that each of the markings is produced in a certain place of the corresponding space of the card thus producing either a symbolic marking of a time value or a dummy marking.

1,505,583. ELECTRIC CONTROL SYSTEM. CHARLES F. BURGESON, Minneapolis, Minn., assignor to General Electric Company, a Corporation of New York. Filed July 19, 1923. Serial No. 652,529. 4 Claims. (Cl. 172—239.)

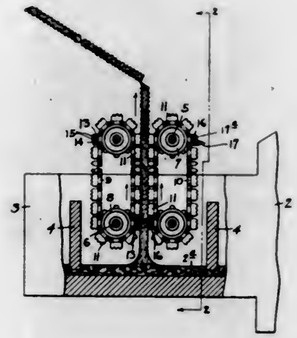


2. A control system for electric shovels and the like, comprising a generator having a series field, a motor connected to be energized from the said generator, a controller, and connections whereby a portion of the said series field is shunted when the controller is operated to cause the motor to run in the hoisting direction and the shunt about the said portion of the generator series field is opened for lowering.

1,505,584. METHOD OF DRAWING SHEET GLASS. HUDSON S. CAMPBELL, Clarksburg, W. Va. Filed Feb. 12, 1919. Serial No. 276,691. 2 Claims. (Cl. 49—83.1.)

2. The method of forming sheets of glass consisting in drawing the sheet continuously from a bath of molten

glass, severing the glass, gripping the succeeding sheet simultaneously with the severing just below the point of



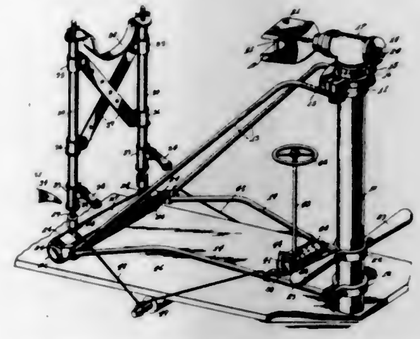
severing, and gripping the side edges of the sheet at intervals to keep the sheet taut, all while in a plastic condition.

1,505,585. SPINDLE OF COTTON AND THE LIKE SPINNING MACHINES. FREDERICK H. CLOUGH, Hillmorton, near Rugby, England. Filed June 12, 1922. Serial No. 567,722. 6 Claims. (Cl. 18—55.)



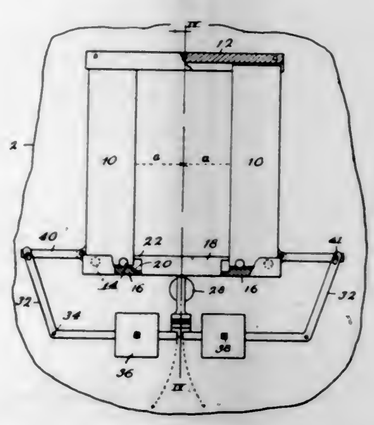
1. In a spinning or like machine, a spindle, a bearing at each end of the spindle, a loose sleeve mounted on the spindle between the said bearings, and a member rotated in substantial synchronism with the spindle and mounted on the spindle between the said bearings for longitudinal movement with the spindle for frictionally driving the said sleeve.

1,505,586. ROCK-DRILL SUPPORT. HARVEY J. CORLEY, Thompson Falls, Mont. Filed Apr. 3, 1923. Serial No. 629,725. 7 Claims. (Cl. 255—51.)



1. A supporting device comprising a base, a vertically adjustable upright on one end of the base, and a support on the other end of the base constructed and arranged for transverse and vertical adjustment and for swinging movement.

1,505,587. BURGLAR-GUARD SYSTEM. WILLIAM J. COWAN, Kansas City, Kans. Filed July 25, 1922. Serial No. 577,431. 6 Claims. (Cl. 20—1.01.)

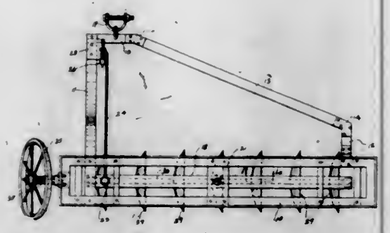


1. In combination, a wall having an opening therein, a pair of oppositely disposed members for closing said opening, rail sections spaced apart and upon which said members are arranged to travel, a movable rail section intermediate said spaced rail sections and adapted to move to the level of the latter to form a continuous track upon which the members may move to closed position, electrically controlled means for normally holding said movable rail section in the path of the open members, and means for closing the shutters when the movable section is released by said electrically controlled means and moves to the level of the spaced rail sections.

1,505,588. DISK HARROW. JAMES M. CROSBY, Momence, Ill. Filed Oct. 18, 1920. Serial No. 417,692. 6 Claims. (Cl. 55—30.)

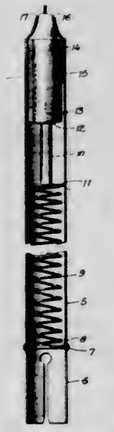
1. An implement of the class described comprising a triangular frame; a shaft revolubly mounted in trans-

verse position below said frame and extending across same; disks on said shaft; and a supporting wheel rev-



olubly mounted in inclined position at one side of said frame for resisting the lateral thrust of said disks, substantially as described.

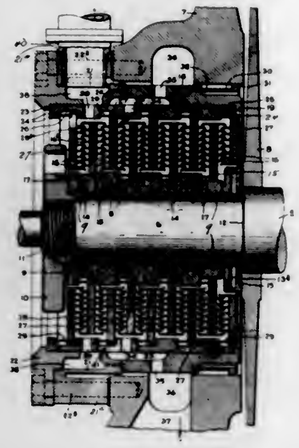
1,505,589. CANDLE HOLDER. JOSEPH DE NICOLA, and JOHN VALENTI, New York, N. Y. Filed Oct. 9, 1923. Serial No. 667,537. 2 Claims. (Cl. 67—23.)



1. In a candle holder, the combination of a tube having a plurality of longitudinal slots at its lower end and adapted to make it resilient, a bottom above the slots, a reduced upper and removable end to the tube having an opening for the wick of a candle, a follower comprising discs united by a bar and having a spur, and a coil spring between the bottom and the follower and adapted to force the candle against the upper end.

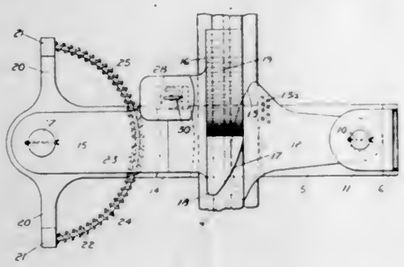
1,505,590. SHAFT PACKING FOR ELASTIC-FLUID TURBINES AND THE LIKE. JOHN H. DORAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 4, 1920, Serial No. 401,185. Renewed July 19, 1923. 9 Claims. (Cl. 286—10.)

1. In a packing, a casing, a rotating member, an axially-extending cylindrical shell which surrounds the rotating member and stands in radially spaced relation to the casing and the member, radially-yielding means connecting the shell to the casing whereby the shell can expand and contract in a radial direction, non-rotating packing means located in the space between the rotating member and the shell, radially-yielding means connecting such packing means to the shell, rotating package means



in packing relation to said non-rotating packing means, and radially-yielding means connecting said rotating packing means to said shaft.

1,505,591. BLOCK FOR CAR WHEELS. THOMAS H. EDELBLUTE, Pittsburgh, Pa. Filed June 6, 1923. Serial No. 643,782. 9 Claims. (Cl. 104—252.)

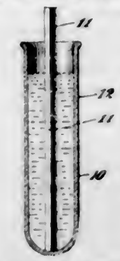


3. A wheel blocking device comprising a base plate, means on the base plate for attaching it to a rail, a wheel engaging member carried on the base plate having two wheel engaging surfaces, said wheel engaging member being supported for movement into and out of wheel engaging position, one wheel engaging surface being shaped to provide a wheel obstructing block, the other surface being shaped to cooperate with a wheel to enable a wheel to force the said member out of wheel engaging position, and means for yieldably urging said member to wheel engaging position.

1,505,592. FROZEN CONFECTIONERY. FRANK W. EPPERSON, Oakland, Calif. Original application filed June 11, 1924, Serial No. 719,295. Divided and this application filed July 19, 1924. Serial No. 726,950. 7 Claims. (Cl. 107—54.)

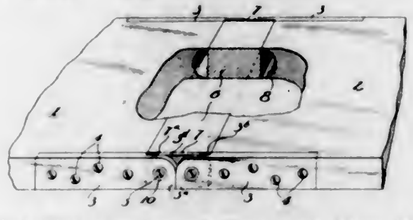
1. The process which consists in subjecting a quiescent volume containing potable liquid, flavoring matter and sugar and of substantial height relative to its mass dimensions, to intense refrigeration, whereby a frozen mass

is formed homogeneous from end to end of character such that the flavoring matter and sugar may be sucked therefrom to leave a tasteless mass of snow or ice.



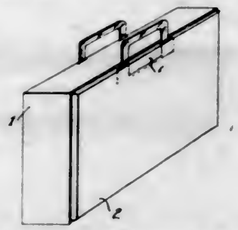
3. The process of making a frozen confection which consists in immersing a stick into syrup in a vessel and subjecting the vessel to intense refrigeration, whereby the liquid is frozen intimately and homogeneously about and along the stick.

1,505,593. FOLDING HINGE. ARTHUR L. FRYER, Glendale, Calif. Filed May 31, 1923. Serial No. 642,653. 4 Claims. (Cl. 16—165.)



1. A hinge structure comprising hinge leaves having tangential, abutting end edges merging into rounder corner edges, pivots for the contiguous leaf ends arranged in parallelism and so disposed that the tangential edges of the hinge leaves will abut when the leaves are moved into alignment in a common plane, and an intermediate link mortised into the contiguous ends of the leaves, said leaves being adapted for attachment to opposite, parallel edges of foldable members, and a folding, intermediate block adjacent the contiguous ends of the hinges and to which said links are attached by said pivots.

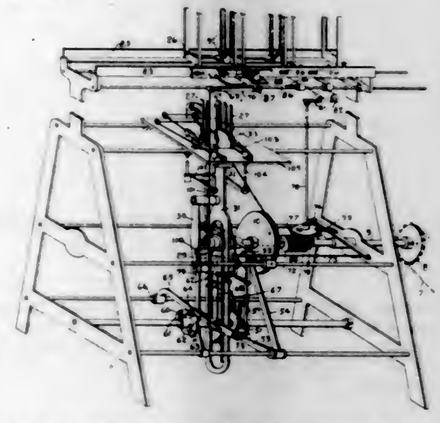
1,505,594. HANDLE FOR PAPER BOXES. RAOUL J. GRUENBERG, San Francisco, Calif. Filed Nov. 11, 1922. Serial No. 600,397. 3 Claims. (Cl. 229—52.)



1. A handle for paper boxes, comprising a longitudinally extending gummed member having a gripping portion connected therewith, and a slotted box through which said gripping portion extends, the handle being glued to the inside of the box, and the top of the box having a depending tab connected therewith and glued to the handle in the plane of the box side.

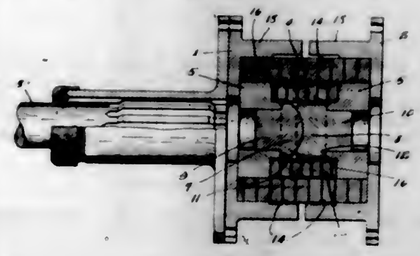
3. A handle for paper boxes, comprising a longitudinally extending member with a D-shaped gripping portion secured thereto, a box slotted to permit said gripping portion of the handle to pass therethrough and a tab as long as the opening in the handle adapted to bend over the longitudinal member which latter is secured permanently to the inside of the box and to said flap whereby the slot in the box is closed.

1,505,595. STACKING AND COUNTING MACHINE. ADIN W. HILSINGER, Orange, N. J., assignor to Henry Brady, Inc., a Corporation of New Jersey. Filed June 18, 1921. Serial No. 478,538. 25 Claims. (Cl. 93—93.)



1. In an attachment of the class described having a stacker, means for feeding containers beneath the stacker, means for successively shifting said containers vertically within said stacker, means for automatically shifting said stackers successively as a predetermined number of containers are stacked therein, and said means for feeding said containers comprising parallel moving friction engaging means.

1,505,596. CUSHION SHAFT COUPLING OR UNIVERSAL JOINT. MAXWELL ROY KARGE, Phoenix, N. Y., assignor, by mesne assignments, to Charles J. Dockop, Buffalo, N. Y. Filed June 23, 1920. Serial No. 391,069. 6 Claims. (Cl. 64—96.)



1. A flexible coupling comprising opposing sections formed with central bores; a coiled torsion spring having its ends fixed to the sections and ball and socket members having shanks fitting the bores, substantially as and for the purpose described.

1,505,597. MUSICAL WIND INSTRUMENT. LOUIS R. MANN, Madison, Wis., assignor of one-half to Donald I. Bohn, Schenectady, N. Y. Filed Mar. 25, 1922. Serial No. 546,768. 14 Claims. (Cl. 84—385.)

1. A musical instrument of the character described comprising a body portion open along one side thereof.

a mouth piece thereon, and means for varying the effective length of said instrument comprising a flexible closure



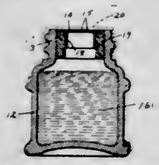
member secured to said body portion at one end thereof and free at the other end thereof.

1,505,598. WHEEL. GEORGE A. MOCK, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Nov. 1, 1920, Serial No. 421,031. Renewed May 18, 1922. Serial No. 562,039. 7 Claims. (Cl. 301—63.)



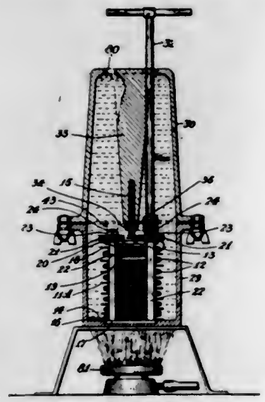
1. A disk wheel comprising a flanged hub, a single centrally cupped disk removably fitted over the hub and having the outside seat of the cup resting against the hub flange, a cap also fitted over the hub and having a peripheral edge resting against the disk cup, and means for securing the hub, disk and cap together.

1,505,599. LIQUID CONTAINER AND DISPENSER. LEWIS C. MORSE, Gloucester, Mass., assignor to Russia Cement Company, Gloucester, Mass., a Corporation of Massachusetts. Filed Jan. 4, 1924. Serial No. 684,440. 2 Claims. (Cl. 91—67.4.)



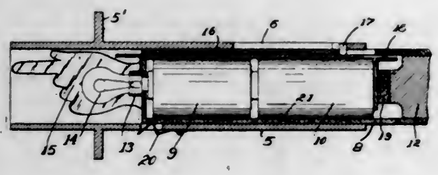
1. A liquid container and dispenser comprising a receptacle, a retaining head of sheet material, provided with a plurality of relatively small orifices, and with an inwardly projecting flange, and a compressible packing surrounding said flange and conforming to the internal surface of the receptacle mouth, to receive the head and its flange, the outer end of said packing and the outer surface of said head being substantially flush with each other and collectively constituting a face adapted to spread liquid extruded through said perforations, and a seat for a closing cap engaged with the receptacle.

1,505,600. PROCESS AND APPARATUS FOR THE MANUFACTURE OF ELECTRICAL CONDENSERS. GREENLEAF WHITTIER PACKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed June 8, 1920. Serial No. 387,500. 9 Claims. (Cl. 250—41.)



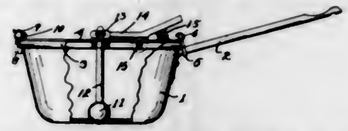
1. The herein-described method of making a condenser which consists in submerging a stack in a bath of fluid insulating material in a casing and then, while in said bath, applying permanent pressure to the stack to drive out insulating material from between the sheets and bring the sheets thereof into intimate relations, forming in said casing a permanent filler of such insulating material around the stack without exposing the stack to atmosphere after its submerging.

1,505,601. AUTOMOBILE SIGNAL. HENRY PODOLSKY, San Francisco, Calif. Filed Sept. 22, 1919. Serial No. 325,288. 1 Claim. (Cl. 177—329.)



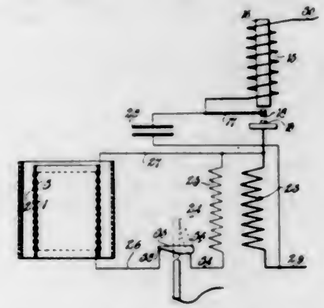
A signal lamp for automobiles comprising a tube having means to attach it to an automobile body, a second tube within the first tube having a shorter slot than the first tube, a signal at one end of the latter tube, a latch to hold the second tube extended or retracted as desired, batteries carried within the second tube, a lamp carried by said second tube, a slidable switch within the second tube, an operating knob on the switch projecting through the slots in the first tube and second tube to close said switch when the signal is extended, and a handle connected to the second tube and projecting from the first tube for the operation of the signal.

1,505,602. DOUGH DROPPER. HENRY PODOLSKY, San Francisco, Calif. Filed Jan. 24, 1922. Serial No. 531,368. 1 Claim. (Cl. 107—52.)



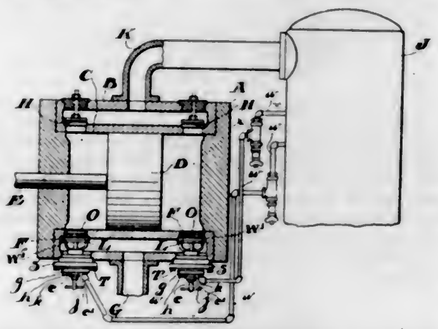
In a dough dropper a handled receptacle, a cross bar having a link at one end to pass over the handle and having a hook at the other end to secure the cross bar to the receptacle, a valve carried by the cross bar to close an opining in the bottom of the receptacle, and a lever for raising the valve from time to time.

1,505,603. OZONE APPARATUS. JOHN ROBERT QUAIN, Westminster, London, England. Filed Dec. 27, 1922. Serial No. 609,309. 12 Claims. (Cl. 204—32.)



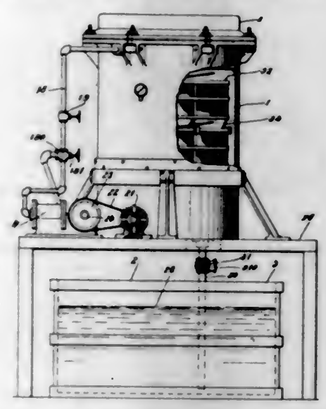
1. An ozone apparatus comprising in combination, a pair of electrodes, a solid dielectric disposed between said electrodes and presenting vertical surfaces with which said electrodes make contact at spaced intervals and a vertical conduit surrounding said electrodes and dielectric.

1,505,604. COMPRESSOR UNLOADER. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 6, 1923. Serial No. 678,792. 4 Claims. (Cl. 230—24.)



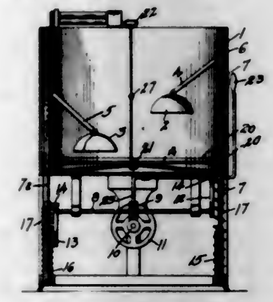
1. A compressor unloader comprising in combination with a compressor cylinder and plate valve mechanism in the wall of said cylinder, a cover adapted to be secured to the compressor cylinder casing, a cylinder in said cover having means for holding the valve mechanism in place in the compressor cylinder, a piston in said last mentioned cylinder having a threaded end portion, a collar on said threaded end portion provided with fingers adapted to bear against the plate valve, opposed lugs on one end of the piston, a plate secured to the cover, a stem extending through said plate and provided with means for engaging said lugs, and means for rotating said stem, whereby rotation of the stem in one direction causes the fingers to bear against and unseat the plate valve.

1,505,605. METHOD OF SALTING PEANUTS. HUNTINGTON D. SAWKINS, Baltimore, Md. Filed Apr. 7, 1924. Serial No. 704,748. 4 Claims. (Cl. 99—15.)



1. The method of salting peanuts in the shell which consists in submerging them in brine, removing the brine and drying by alternately subjecting them to air pressure and releasing the air, producing the effect of an air blast.

1,505,606. WASHING MACHINE. PETER F. SCHNEIDER, RAYMOND J. SCHNEIDER, and WILLIAM F. BLAKE, Detroit, Mich. Filed Oct. 31, 1919. Serial No. 334,728. 7 Claims. (Cl. 68—19.)

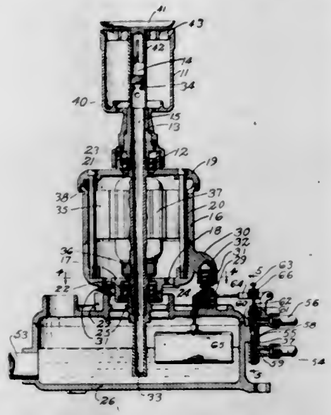


1. In a washing machine, a receptacle substantially cylindrical in form, a pair of rods one on each side of the tub extending upward through the bottom thereof, a vacuum cup supported on each rod within the tub, guideways in the tub for the said rods, and power operated means beneath the tub for reciprocating the rods in alternate relation.

1,505,607. APPARATUS FOR ATOMIZING FUEL OILS, ETC. OSCAR C. SCHROEDER, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,558. 13 Claims. (Cl. 158—77.)

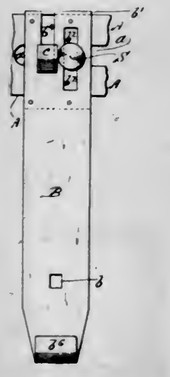
13. In a liquid fuel burner, the combination with a liquid holder, of a hollow shaft extending downwardly

into the holder having a relatively small axially-extending concentric orifice in its bottom and a larger dis-



charge area at its top, an atomizer element on the top of the shaft rotating therewith, and means for rotating the shaft.

1,505,608. LICENSE-PLATE HOLDER. ROY M. SEELY, Middletown, N. Y. Filed Feb. 25, 1924. Serial No. 695,124. 4 Claims. (Cl. 40—125.)



2. As an article of manufacture, a license plate holder of the character designated, comprising a bracket plate formed at its lower extremity with a stirrup for engagement with the lower edge of a license plate, and a slidably mounted spring actuated latch plate for engagement with the upper edge of said license plate, together with a supplementary shoulder plate and means for securing said bracket plate and supplementary shoulder plate rigidly to a support affixed to a vehicle, substantially in the manner and for the purpose set forth.

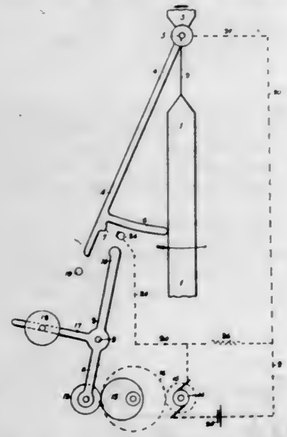
1,505,609. SECTIONAL BILLIARD CUE. CHARLES E. SEEMAN and LOUIS V. BARACH, Pittsburgh, Pa. Filed June 16, 1922. Serial No. 568,710. 6 Claims. (Cl. 46—9.)

1. A billiard cue comprising a hollow but member having an open lower end and further permanently closed at a point removed from its upper end, a hollow shaft member permanently closed at a point removed from its lower end, means for detachably connecting the upper end of the butt member to the lower end of the shaft member, a rigid apertured buffer arresting disk mounted



against the lower open end of the butt member, a resilient buffer positioned against said disk and means for coupling the buffer with the butt section.

1,505,610. CLOCK, CHRONOGRAPH, AND THE LIKE. ALEXANDER STEUART, Edinburgh, Scotland. Filed June 22, 1923. Serial No. 647,044. 2 Claims. (Cl. 58—29.)

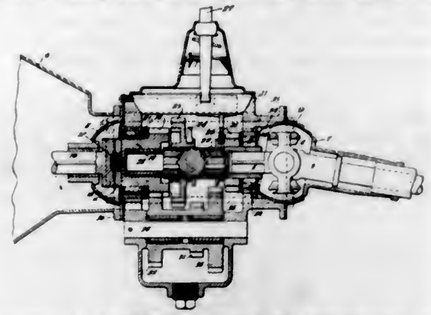


1. An electric clock, comprising a clock mechanism, an electric motor having a continuously rotatable member operatively connected to said mechanism, an electric circuit for supplying current to said motor and including a movable contact and a fixed contact adapted to control the speed of the motor, an arm carrying said movable contact and operated by the clock mechanism to open said contacts, and an oscillatory member adapted to receive its impulse from said arm and through it to control the closing of said contact.

1,505,611. TRANSMISSION. CARL E. SWENSON, Rockford, Ill., assignor to Mechanics Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 8, 1923. Serial No. 679,463. 4 Claims. (Cl. 74—58.)

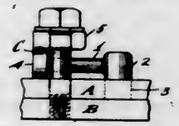
1. In a motor vehicle, in combination, a primary transmission casing, a propeller shaft, a supplemental change speed transmission, a casing for said supplemental change

speed transmission, said supplemental transmission and casing being interposed between the primary transmission casing and the propeller shaft, means attached to said primary casing and extending to the outer end of said



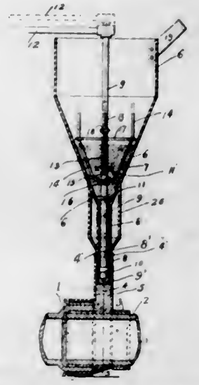
supplemental casing for connecting the supplemental casing to the primary casing and putting the supplemental casing under compression, said means being adapted to carry substantially all tension stresses.

1,505,612. DEFORMABLE SPACER. LEON TRAGER, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Original application filed Dec. 21, 1922. Serial No. 608,377. Divided and this application filed Dec. 21, 1922, Serial No. 608,379. Renewed June 25, 1924. 6 Claims. (Cl. 137—71.)



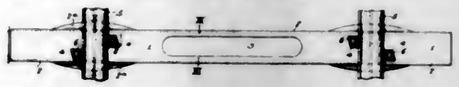
1. The combination with a sectional casing and the means for securing the casing parts together, of a yielding spacer supporting the pressure of said securing means and torsionally deformable under excessive pressures tending to separate the casing parts, said spacer being of such resiliency as to be torsionally deformed beyond its elastic limit and take a permanent set with the casing parts separated on excessive pressure within said casing.

1,505,613. DEVICE FOR INSERTING CEMENT INTO PIPE JOINTS. LEROY A. WESTON, Adams, Mass. Filed July 16, 1923. Serial No. 651,994. 6 Claims. (Cl. 25—127.)



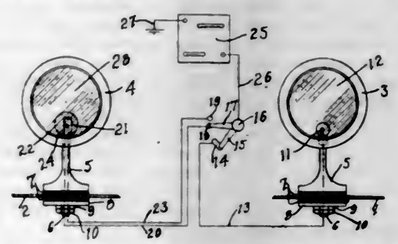
1. A device for the purpose described, comprising a receptacle to receive the joint forming material, a discharge member therefor; a plunger rod, a washer loosely mounted on the rod for normally closing the discharge member, a piston on the rod and normally located in the discharge member for imparting impact or pressure blows to the material in said member, and means for agitating the material in the receptacle.

1,505,614. RAIL FASTENING. GEORGE W. WHITEMAN, Philadelphia, Pa. Filed Oct. 1, 1923. Serial No. 665,744. 8 Claims. (Cl. 238—61.)



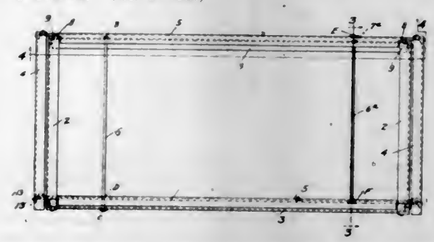
1. In combination with a metallic tie having a rectangular aperture formed in its rail-supporting portion, a bolt having a portion to fit said aperture, an adjustable rail-engaging member overlying said bolt; the portion of the latter fitting the rectangular aperture in the tie projecting above the web of the same and engaging parallel walls formed on the under side of said rail-engaging member and the latter being provided with an elongated aperture whereby it is capable of movement with respect to the rectangular shank of the bolt and in line therewith, and means for confining said rail-engaging member in various positions with respect to said bolt.

1,505,615. SAFETY DRIVING LIGHT. CHARLES R. YATES, Culver, Ind. Filed Oct. 31, 1923. Serial No. 671,849. 2 Claims. (Cl. 240—7.)



1. The combination with a vehicle and the front fenders thereof, of an illuminating unit mounted on each of said fenders, one of said units projecting light of a distinctive color to serve as an indicating or warning signal and the other thereof projecting light to illuminate the surface traveled over.

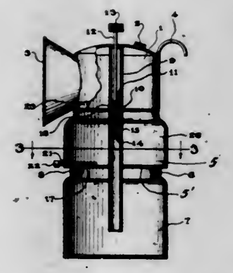
1,505,616. COUCH BED. JOSIAH M. ANDERSON, Minneapolis, Minn. Filed Mar. 28, 1921. Serial No. 456,414. 6 Claims. (Cl. 5—18.)



1. A couch bed comprising main and auxiliary sections each having side rails composed of angle bars and end rails connecting the opposite side rails of said sections respectively, supporting legs for said sections, said auxiliary section fitting between the end rails of said main section, the side rails of said main section having their horizontal flanges provided with notches at the ends thereof to re-

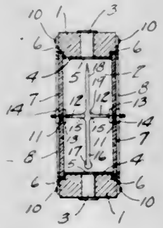
ceive the legs of said auxiliary section when the couch is closed, the abutting flanges of the rails of said main and auxiliary sections sliding one upon the other to allow one rail to nest with the adjacent one, whereby the bed when closed is substantially one-half its width when open.

1,505,617. MINER'S CARBIDE LAMP. ARCHIE ATKINS, Glen Ferris, W. Va. Filed Nov. 1, 1922. Serial No. 598,449. 1 Claim. (Cl. 48—4.)



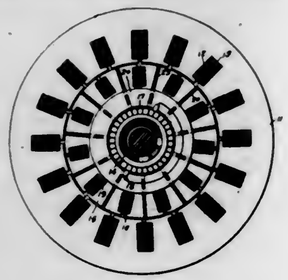
A carbide lamp comprising a body having a gas chamber, a water chamber and a carbide chamber, said chambers being superimposed with relation to each other, a tube extending from the top wall of the gas chamber and passing transversely through the gas chamber and the water chamber and having its lower end portion received in the carbide chamber with its lower end open and spaced from the bottom of the said chamber, said tube being provided at its side and at a point above the bottom of the gas chamber with an opening, a piston slidably mounted in the tube and provided with openings passing therethrough, a spring housed within the tube and confined at one end upon a support and bearing at its opposite end against the piston and serving to normally hold the piston in a closed position over the opening in the side of the tube, and a rod connected with the piston and passing through the top of the gas chamber, said rod adapted to serve as means for depressing the piston against the tension of the spring and for removing the piston from over the opening in the side of the tube.

1,505,618. PENDULUM LEVEL. ROSWELL C. BAIRD, Cumberland, Wis. Filed Nov. 16, 1923. Serial No. 675,065. 1 Claim. (Cl. 33—215.)



A device of the kind described, comprising a bevel stock having a round, medial, transverse housing aperture with sight slots opening thereinto from top and bottom of the stock; a cylindrical indicator housing mounted within the said aperture, the said housing having sight slots registering with the sight slots of the stock; a disc crystal mounted at each end of the said housing, the said crystals having shaft holes formed centrally therethrough; calibrated collars mounted over the edges of each of said crystals and secured to the stock; supporting shafts mounted through the shaft holes of the crystals, the said shafts being threaded at the outer ends passing through the crystals and each having a ball formed on its inner end; adjustment nuts on the threaded ends of the supporting shafts, one inside and one outside each crystal; and an indicator arm weighted at one end and pointed at the other pivoted between the ball-like inner ends of the supporting shafts, the said arm having medial and oppositely disposed sockets adapted to pivotally engage the said ball-like ends of the shafts.

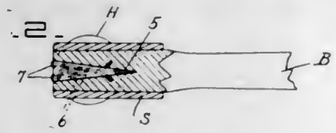
1,505,619. ALTERNATING-CURRENT MOTOR. SVEN R. BERGMAN, Nahant, Mass., and ALFRED F. WELCH, Fort Wayne, Ind., assignors to General Electric Company, a Corporation of New York. Filed Aug. 8, 1921. Serial No. 490,482. 5 Claims. (Cl. 172—277.)



4. A single phase motor comprising a primary member and a secondary member, a commutated winding carried by the secondary member and a squirrel cage winding also carried by the secondary member, said squirrel cage winding bars extending above and below said commutated winding and being of such form that during the starting period, eddy currents materially increase their apparent resistance.

5. A single phase motor comprising a primary member and a secondary member, a winding having definite coils carried by said member, and a squirrel cage winding also carried by the secondary member, said squirrel cage winding having L-shaped conductors, the vertical arm of the L being radial and comparatively narrow.

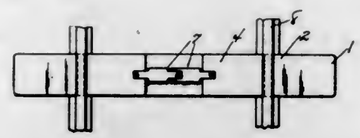
1,505,620. WEDGE FOR TOOL HANDLES. SYLVESTER J. BORTZ, Muskegon, Mich. Filed July 24, 1923. Serial No. 653,599. 1 Claim. (Cl. 306—33.)



The combination with a tool having a removable handle, of a wedge having a substantially rectangular outer surface with passages extending from opposite corners thereof toward one another and terminating in alignment in the transverse medial plane on opposite sides of the tapering portion of the wedge and fastening elements guided by the passages with their inner extremities protruding into the handle.

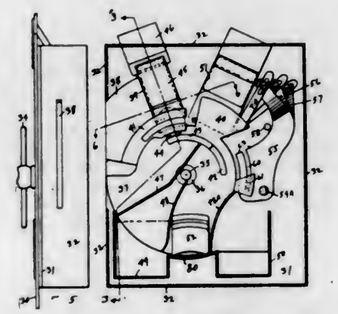
1,505,621. RAILROAD TIE. ARTHUR T. BOUCH, McGees Mills, Pa. Filed Oct. 15, 1923. Serial No. 668,750. 3 Claims. (Cl. 238—331.)

1. A railroad tie of the class described including a body, fixed jaws on the body, tenons rising from the body, slidable jaws provided with mortises for receiving the tenons, one slidable jaw associated with each fixed jaw, links disposed between the slidable jaws whereby they may be moved in operative or inoperative association



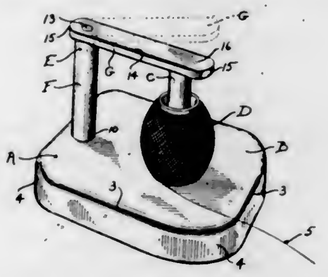
with the fixed jaws, said tenons being trapezoidal in cross section and said mortises shaped to conform therewith.

1,505,622. RADIAL LOCK. EARL S. BURDICK, Milwaukie, Oreg. Filed Oct. 29, 1921. Serial No. 511,329. 8 Claims. (Cl. 194—4.)



4. An adjustable combination lock having a rotatable bolt carrying disk, a lug projecting from said disk, a plurality of slotted tumbler arms pivoted beside said disk and adapted to receive said lug within their slots when properly positioned, and a key adapted to be carried by said rotatable bolt disk and to engage the various tumblers and actuate same in a manner that said slots will register with said lug.

1,505,623. HOLDER FOR CROCHET THREAD. FRANK LEROY BURTON, Burnside, Conn. Filed June 20, 1923. Serial No. 646,603. 2 Claims. (Cl. 242—141.)



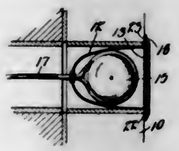
1. A holder for thread comprising a base, a post mounted upon said base for rotatably carrying a ball of thread, a standard mounted upon said base, and an arm pivotally mounted thereon and extending at right angles thereto for frictionally engaging said post to prevent accidental displacement of the ball of thread.

1,505,624. BAILER BOTTOM. RAPHAEL R. CANDEE, McKittrick, Calif. Filed Aug. 7, 1922. Serial No. 580,369. 11 Claims. (Cl. 166—19.)



1. A deep well bailer comprising a bailer body having a ported lower end portion, a ported swiveled bottom section connected to said lower end portion, and a valve seat having a peripheral rim about which the lower end of the bailer body telescopes and is adapted for some longitudinal movement before uncovering the said rim as the bottom section is turned to register the ports.

1,505,625. ILLUMINATED HOUSE NUMBER. CHARLES E. DEARTH, Memphis, Tenn. Filed May 21, 1923. Serial No. 640,517. 2 Claims. (Cl. 40—132.)

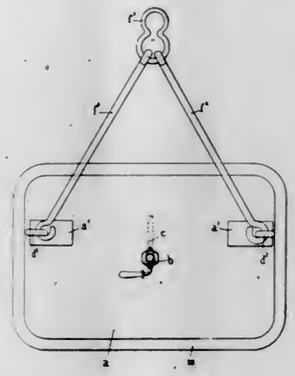


1. A sign adapted to be used as brick in a wall, said sign comprising a casing having a portion of its body approximately the dimensions of a brick, the front of said casing having outwardly extending guides, the rear faces of said guides being adapted to seat against the outer face of the wall, a glass held in said guides, indicia on said glass, a lamp in the casing and a removable open border plate covering the guides on the casing, substantially as set forth.

1,505,626. SUCTION DEVICE FOR LIFTING AND TRANSPORTING ARTICLES HAVING ANY KIND OF SURFACE. GEORGES HENRI LÉON DEBAECKER, Sas-de-Gand, Netherlands, assignor to Société dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France, a Corporation of France. Filed Dec. 11, 1923. Serial No. 680,005. 7 Claims. (Cl. 294—65.)

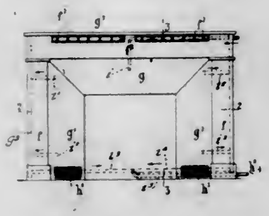
1. A suction device for lifting and transporting articles with any kind of surface, comprising a carrier and backing plate, a continuous sheet of flexible material, adapted to adhere under a vacuum to the surface of said article, fastened to said plate, a hoisting apparatus, means for securing the carrier and backing plate to the same, a piping connected to the suction device through the carrier

plate, and means upon said piping for controlling the communication of the suction device with the atmosphere and with a vacuum producing means, the carrier and



backing plate being made of a flexible material adapted to conform to and be applied exactly upon the surface of the article to be lifted and transported.

1,505,627. FIREPLACE FOR DOMESTIC HEATING. LÉON GONZAGUE DE BELLESCIZE, Paris, France. Filed May 31, 1923. Serial No. 642,684. 4 Claims. (Cl. 126—120.)



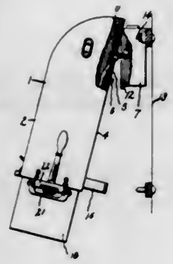
1. A fire place for domestic heating, comprising a fire place body, a fire place casing adapted to form the outer casing of a hot air radiator, hollow metal panels provided in the walls of said casing, and means for circulating a heating fluid from the boiler of a central heating arrangement in said hollow metal panels.

1,505,628. STREET INDICATOR. AUGUSTA DULL, Los Angeles, Calif. Filed July 18, 1923. Serial No. 652,279. 15 Claims. (Cl. 40—53.)



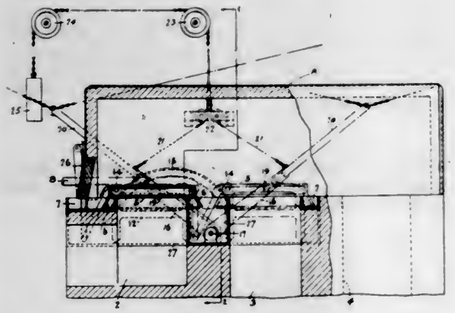
1. A street or station indicator comprising, in combination, a pair of winding reels, parallel spindles to which the reels are detachably connected, an intermittently operative motor, a pair of meshed gears one of which is engaged and driven by said motor, and clutch means for selectively operatively connecting the spindles to the gears.

1,505,629. MOUNTING FOR CASINGS OF ELECTRICAL APPARATUS. PARKER DUNNING, Bloomfield, N. J., assignor to General Electric Company, a Corporation of New York. Original application filed Nov. 17, 1919, Serial No. 338,571. Divided and this application filed Mar. 31, 1922. Serial No. 548,501. 5 Claims. (Cl. 247—1.)



1. The combination with a casing for electrical apparatus having switch mechanism supported therein at the lower end thereof, of electrical conductors for connection with the said switch mechanism, and a fixed conduit outlet box having an open front, the said casing having an opening therein at the upper end of the back thereof and supported by the said outlet box with the said opening of the casing and the open front of the outlet box registering so as to form a continuous closed passage for the said conductors.

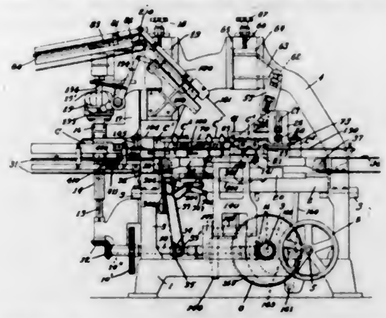
1,505,630. REVERSING-VALVE MECHANISM. NICHOLAS F. EGLER, Chicago, Ill. Filed June 1, 1923. Serial No. 642,780. 4 Claims. (Cl. 137—151.)



1. In valve reversing mechanism for furnaces, the combination of a hood covering three distinct flues, a single valve covering a single flue, and means for shifting said valve from the gas or air flue to the stack flue, and vice-versa.

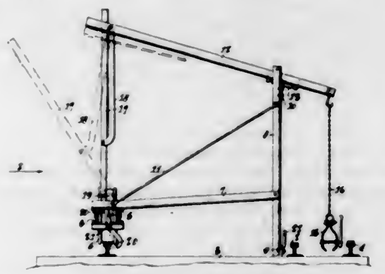
1,505,631. CAN-CAPPING MACHINE. SAMUEL B. FIELD, Holbrook, Mass., assignor, by mesne assignments, to State Street Trust Company, trustee, a Corporation of Massachusetts. Filed May 29, 1920. Serial No. 385,245. 39 Claims. (Cl. 113—27.)

1. In combination, a can passageway, a pair of can dies movable towards and from each other to grip and release a can disposed therebetween, a pair of oppositely disposed cap dies mounted independently of said can dies and movable towards each other to close about and positively clamp a cap therebetween and movable away from each other to open and discharge said cap onto a can



held between said can dies, and operative connections between said can dies and said cap dies for causing the cap dies to follow the movement of the can dies.

1,505,632. RAIL LIFTER AND REPLACER. JAMES FINLEY, Vancouver, British Columbia, Canada. Filed Dec. 29, 1921. Serial No. 523,732. 6 Claims. (Cl. 212—11.)

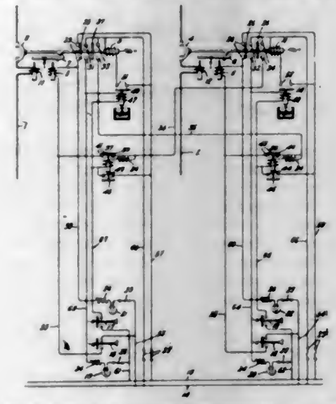


1. A rail lifting and relaying device, comprising a wheeled frame mounted to run on one line of track and including a portion projected toward but falling short of the other line of track, said projected portion having means to support it on the ties, a lever pivoted to said projecting portion of the frame and itself projected over said other line of track, means suspended from the projected end of said lever for lifting and lowering a rail connected to it, and means for gripping the frame to the track on which it is mounted and means for pulling down said lever to lift the rail and actuate said gripping means.

3. A rail lifting and relaying device, comprising a frame mounted to run on the rail of one line of track, said frame including a portion projected toward the other line, means connected to the frame for supporting the projected portion, a lever pivotally mounted on the projected portion of the frame and extended toward the wheel mounted side, a rail securing means flexibly connected to the end of the lever adjacent the pivot, a hand lever pivotally mounted to extend above the wheels of the frame, and means for connecting the longer end of the first named lever to the hand lever intermediate its ends.

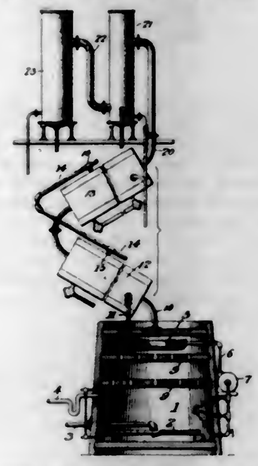
1,505,633. CIRCUIT-CONTROL SYSTEM. ALFRED C. FINNEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 2, 1923. Serial No. 616,457. 8 Claims. (Cl. 175—294.)

8. A circuit control system of the class described comprising a plurality of conductors, a plurality of electric switches arranged one in each of a plurality of said conductors and adapted to be operated to control the circuits thereof, an opening coil associated with each of said switches and arranged when energized to effect the opening thereof, a normally open interlocking circuit for each of said opening coils, auxiliary switching means associated with each of said switches and arranged upon the opening of one of said switches to complete the interlocking circuit of the opening coil of another of said switches to effect the opening thereof, means for closing



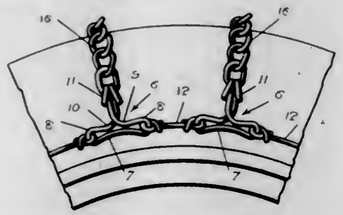
each of said switches, means comprising a plurality of control switches for controlling said closing means whereby each of said switches may be closed independently, and relay means for controlling said interlocking circuits arranged to be controlled by said control switches to render the opening coil of one of said switches inoperative to open the same until the closing of another of said switches.

1,505,634. DISTILLING APPARATUS. JOHN PRESTON FOSTER, Paia, Maui, Hawaii. Filed Nov. 20, 1922. Serial No. 602,087. 8 Claims. (Cl. 195—12.)



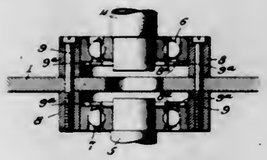
2. In a distilling apparatus, the combination of a distilling column and a heater for the liquid to be distilled comprising a closed tank provided with a heating means and having a vapor outlet at its upper part communicating with the distilling column and the latter having a liquid outlet at its lower end communicating with the upper part of the tank, means in the upper part of the tank for subdividing the entering liquid from the column, and a distributor in the upper part of the tank for spreading the subdivided fluid and rising vapors and to commingle the same.

1,505,635. TIRE CHAIN. MATHEW J. FRAMBACH, Hartley, Iowa. Filed Sept. 13, 1923. Serial No. 662,475. 3 Claims. (Cl. 152—14.)



3. A chain link to bear at one side against a tire and having an intermediate portion, loops at the ends of said portion for the engagement of other links, arms extending from said loops and having bends crossing one another adjacent to said intermediate portion, said arms being disposed side by side beyond the point of crossing and extending away from said intermediate portion, and hooks at the terminals of said arms to be disposed side by side, said hooks being located at the side of the link opposite to the firstnamed side, said intermediate portion, loops and one of the arms beng flush with the firstnamed side of the link to bear against the tire, and the other arm being offset with a gentle curvature between the hooks and corresponding loop away from the firstnamed side of the link across the aforesaid arm.

1,505,636. ANTIFRICTION BEARING FOR MULTIGRAPHS. DELBERT OSCAR FREEMAN, Scranton, Pa. Filed May 6, 1921. Serial No. 467,392. 6 Claims. (Cl. 64—36.)



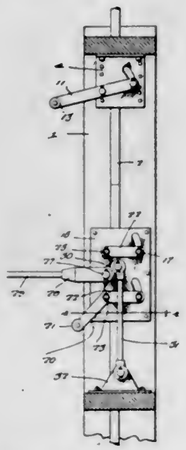
1. In a multigraph, the combination with a plate or casting forming a fixed part of the multigraph, and a shaft for sustaining a rotatable drum or cylinder, of a cylindrical housing with an interior ledge spaced from each face thereof, an anti-friction bearing located within the housing and bearing against the ledge, and means for securing the housing to the face of the plate or casting around the end of the shaft with the latter received within the said bearing, the plate or casting closing the inner face of the housing and cooperating therewith to form an oil receptacle between the plate or casting and the ledge.

1,505,637. LOCK STRUCTURE. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 15, 1922. Serial No. 581,968. 5 Claims. (Cl. 70—46.)



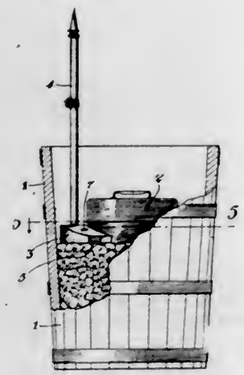
1. A shell for a cylinder lock structure having weakened portions providing a normally integral removable section, whereby adjustment of the length of the shell may be effected.

1,505,638. SLIDING FORM JACK. GEORGE O. H. GLASS, Dewey, Okla. Filed Feb. 16, 1924. Serial No. 693,306. 1 Claim. (Cl. 254—31.)



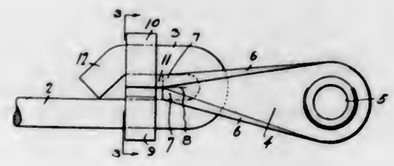
A sliding form jack comprising a yoke, a rod slidably mounted therein, a casing applied to the yoke and having movable and fixed jaws which receive the rod between them, a lever mechanism for moving the movable jaws in said casing, a second casing mounted upon the intermediate portion of the rod and located within the yoke, movable and fixed jaws located in the second mentioned casing, a lever mechanism for moving the movable jaw in the second mentioned casing, a second lever fulcrumed upon the second mentioned casing, rods pivotally connected with the working end of the last mentioned lever, foot pieces pivotally connected with the rods, and means connecting the said foot pieces with the lower portion of the said yoke.

1,505,639. ICE PACKER. CHARLES H. GREENAWALT, Lima, Ohio. Filed Sept. 13, 1922. Serial No. 588,095. 1 Claim. (Cl. 81—3.)



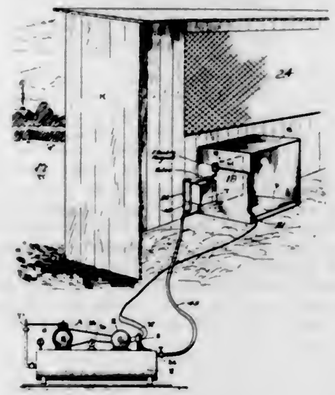
A hand implement for packing ice between an ice cream container and its tub, said implement comprising a head and a handle portion attached thereto, said head having an aperture extending therethrough for the passage of water, the head constructed to extend part way around the ice cream container, the inner edge of the head being curved to conform substantially to the curvature of the ice cream container, the ends of the head being flattened, and there being a relatively small clearance between the head and the walls of the tub and ice cream container, whereby it is impossible to rotate the packer sufficiently to bring the corners thereof into contact with either the tub or the container.

1,505,640. BRAKE-ROD JAW. SOREN HANSSON, Butler, Pa., assignor of one-half to Harry T. Anderson, Butler, Pa. Filed July 24, 1923. Serial No. 653,580. 7 Claims. (Cl. 188—209.)



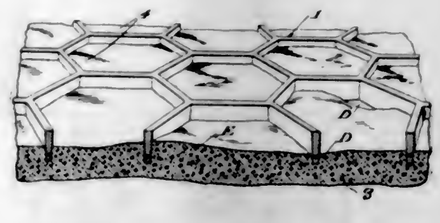
5. A brake-rod jaw comprising a U-shaped member having openings formed in its arms and having outwardly extending flanges formed at its edges, said flanges tapering from points adjacent to said openings toward the closed end of said member, and the said flanges engaging each other at the closed end of said member, and a strap member integral with said U-shaped member and having its central portion joined to one of said flanges at the closed end of said U-shaped member.

1,505,641. POULTRY-SPRAYING APPARATUS. ELWOOD DAYTON HENDRICKSON, Seattle, Wash. Filed Feb. 14, 1922. Serial No. 536,557. 2 Claims. (Cl. 119—159.)



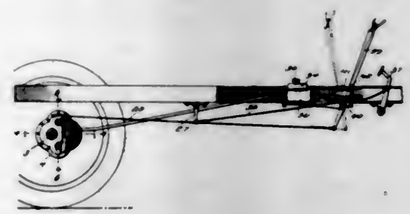
1. In an apparatus of the character described, a pair of opposing spray nozzles, one being disposed upon each side wall of a passageway, a tiltable platform forming the bottom or floor of said passageway, a pair of contact members disposed beneath the platform, a bridging member for said contacts carried by the platform and adapted to connect the same when said platform is tilted in a predetermined direction, an electrical circuit adapted to be closed with the connecting of said contacts, and means connected with said electrical circuit adapted to force a liquid through said nozzles when said circuit is closed.

1,505,642. MONOLITHIC FLOOR. FRANK HENRY, Los Angeles, Calif. Filed Jan. 11, 1923. Serial No. 611,965. 1 Claim. (Cl. 94—6.)



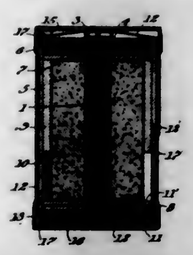
A monolithic product comprising a grid performed of plastic material, and a plastic filling within the interstices of said grid, said grid being provided with reinforcing elements embedded therein.

1,505,643. LIQUID BRAKE FOR AUTOMOBILES. NORMAN G. HOVLID, Longmont, Colo. Filed June 6, 1922. Serial No. 566,139. 5 Claims. (Cl. 188—92.)



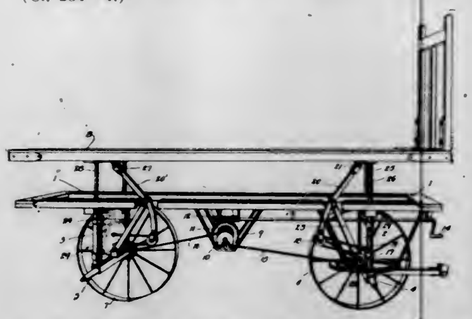
1. In a brake mechanism for automobiles, an epicyclic rotor fastened to the rear axle of the automobile to rotate therewith, a reciprocatory pump, means for manually operating the said pump, and a conduit connecting the pump to the rotor, whereby the rotor may be caused to retard or stop the rear axle through the epicycle rotor.

1,505,644. ELECTRIC BATTERY. ALTON KARL HUNTLEY, Clyde, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Feb. 12, 1920. Serial No. 358,205. 19 Claims. (Cl. 204—38.)



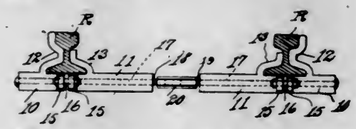
12. An electric battery of the kind described, comprising a hollow zinc electrode and a casing capable of longitudinal adjustment to render the cell active, a longitudinally perforated carbon electrode adapted to serve as an air vent during said adjustment, said carbon electrode having means adapted to prevent inadvertent closing of the end of the perforated carbon electrode.

1,505,645. TRUCK. DAVID F. ISAACS, Coffeyville, Kans. Filed Jan. 28, 1924. Serial No. 688,928. 3 Claims. (Cl. 254—4.)



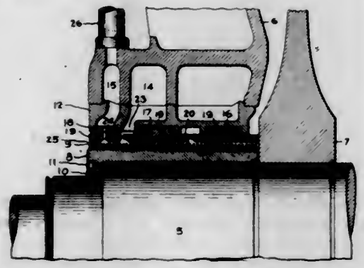
1. A truck comprising a base frame and a supplemental frame, means for guiding the supplemental frame with respect to the base frame, toggle levers carried by the base frame, toggle levers carried by the supplemental frame and pivoted to those on the base frame, an idler on each toggle lever carried by the supplemental frame, a winding drum carried by the base frame and cables fastening to the base frame and to the drum, said cables passing around the idlers so upon rotation of the drum the toggles will be operated.

1,505,646. RAILROAD TIE. EDWARD H. JACOX, Bassett, Nebr. Filed Mar. 27, 1923. Serial No. 628,133. 1 Claim. (Cl. 238—31.)



A railroad tie consisting of a pair of outer blocks and a pair of inner blocks, rail engaging means on each block, opposed lugs on the sides of the inner and outer blocks adapted to be disposed under the rails supported on the blocks, bolts passing through said lugs to hold the rail engaging means on the blocks into clamp relation with the rails, rods extending through said blocks and terminating in spaced relation to each other at their inner ends, the inner ends of said rods being threaded right and left handed respectively, and a turn buckle connecting said threaded ends.

1,505,647. PACKING FOR ELASTIC-FLUID TURBINES AND THE LIKE. OSCAR JUNGGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 5, 1920. Serial No. 422,009. 7 Claims. (Cl. 286—10.)

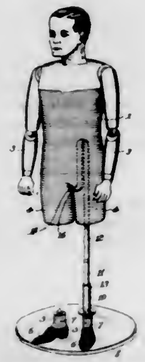


1. A packing comprising concentric, relatively rotating elements having packing teeth characterized by the fact that the teeth of one of the elements extend at an angle against the direction of flow of leakage fluid, and that the ends of the teeth of the said last-mentioned element have flat surfaces extending axially and at an angle to the lateral faces of such teeth against which the ends of the teeth of the other element pack.

1,505,648. PRODUCTION OF CALCIUM ARSENATE FREE FROM WATER-SOLUBLE ARSENIC. JAMES GRAHAM LAMB, Denver, Colo., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1921. Serial No. 441,684. 1 Claim. (Cl. 23—13.)

In the art of producing calcium arsenate entirely free from soluble arsenic the process which consists in forming an alkaline solution of a normal salt of arsenic entirely free from acid arsenates and adding calcium hydroxide in the form of a suspension to transfer all of the arsenic acid of the neutral salt into an insoluble arsenate.

1,505,649. DISPLAY DEVICE. BENO LEVY, New York, N. Y. Filed Jan. 29, 1924. Serial No. 689,285. 1 Claim. (Cl. 211—13.)

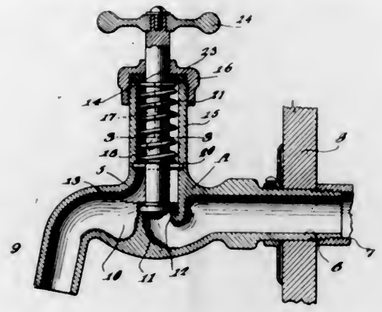


A display device comprising a body portion with its upper part having the general outlines of a person's body and its lower part the upper portion of two legs, a base, an upright post fastened to one side of the base and extending upwardly to slightly above the waistline of the body portion of the device thence downwardly to the crotch and fastened at its end to said body to support the same, loose shoe display freely movable to different positions of the base whereby trousers to be displayed on said body may readily be placed on the same for display by passing the waist band up between the upwardly and downwardly extending portions of the upright post and the legs of the trousers over the severed legs of the body and the shoe display devices on the base.

1,505,650. VALVE. EARNEST R. W. LEWIS, Ponoka, Alberta, Canada. Filed Oct. 27, 1920, Serial No. 419,922. Renewed July 12, 1924. 2 Claims. (Cl. 251—132.)

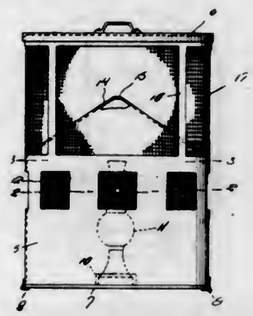
2. In a faucet, a body having a discharge outlet and an inlet way, a chamber interposed between said inlet and said outlet way, a vertically disposed barrel formed on the body and communicating with the chamber, a valve seat formed in the chamber directly below said barrel, a valve arranged to fit on said seat, a stem carried by the valve and extending through the barrel, a cap carried by said barrel and arranged to rotatably and slidably receive said stem, the barrel having oppositely disposed spiral ways formed therein terminating above said valve seat, and vertically disposed grooves communicating with the upper ends of said spiral ways

and opening out through the upper end of said barrel, the lower end walls of said vertically disposed grooves forming rest shoulders, a pin extending diametrically through said stem having its terminals fitted in said ways, an expansion spring coiled around said stem en-



gaging the pin and the cap for normally holding the pin at the lower ends of said spiral ways and the valve on its seat, the pin being adapted to rest upon said resting shoulders when the valve is entirely off of the seat.

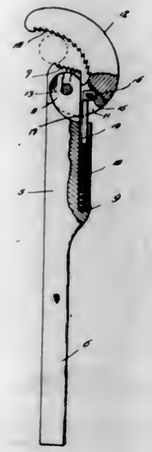
1,505,651. INSECT TRAP. FRED LOESCHEN, Estherville, Iowa. Filed Dec. 10, 1923. Serial No. 679,701. 2 Claims. (Cl. 43—113.)



1. In an insect trap of the character described, an upright casing having a bottom wall provided with central lamp retaining means, said casing being provided with numerous openings through which light may shine from the lamp, inwardly extending funnel shaped entrance members secured over said openings, a centrally apertured conical partition within the casing above the last named openings and the lamp for dividing the casing into an upper trap chamber and a lower light chamber, and a reflecting plate upon the top of the casing directly above said opening in the partition.

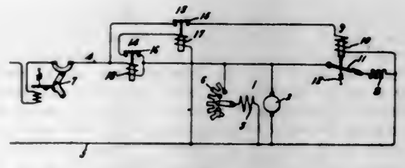
1,505,652. PIPE WRENCH. ARCHIE M. MCCORD, Greenville, S. C. Filed Aug. 23, 1923. Serial No. 658,859. 1 Claim. (Cl. 81—99.)

A pipe wrench comprising a handle provided at its outer end with a rigid jaw, inward and on opposite sides of which are recesses, a substantially arcuate movable jaw having its inner end bifurcated, the furcations being received in said recesses and pivotally connected to said handle, said handle being provided on one longitudinal edge adjacent said jaws with a socket opening toward the latter, an expansion spring located in said socket, a pin slidably mounted in the socket and projectable beyond the outer end thereof, said pin being provided on its outer end with a laterally disposed head, provided with an elongated slot, said slotted head being disposed in the furcations of the aforesaid movable jaw, and



pivot pins passing through the furcations and the slots in said head, whereby to provide a loose pivotal connection between the pin and movable jaw.

1,505,653. ELECTRICAL BRAKING CONTROL. ROBERT H. MCLAIN, Tenafly, N. J., assignor to General Electric Company, a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,772. 4 Claims. (Cl. 172—179.)

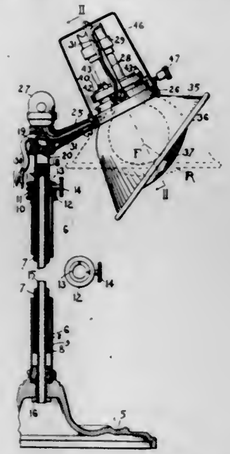


2. In a system of electrical braking, the combination with a dynamo electric machine adapted to receive current from a source of supply to operate as a motor to drive an active load and to be driven by the load to operate as a regentrative braking generator to return current to the source, of a dynamic braking circuit for said machine, electro-responsive means for controlling said circuit, and connections whereby the energization of said means is controlled in response to a predetermined decrease of regenerated current and a predetermined increase of generated voltage of said machine, to close said circuit and dynamically brake the load.

1,505,654. READING LAMP. NORMAN MACBETH, Pelham, N. Y. Filed Jan. 5, 1923. Serial No. 610,852. 4 Claims. (Cl. 240—81.)

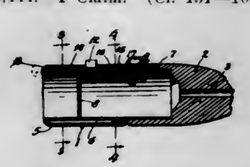
1. The combination with a supporting ring, of a source of light carried thereby, a reflector with an opening for the passage of light which incloses the source of light, a neck for the reflector, a bearing ring, means for adjusting the bearing ring with respect to the re-

flector whereby the supporting ring is engaged between the bearing ring and the reflector, the bearing ring and



reflector being free to turn with respect to the supporting ring about an axis which is inclined to the axis of the reflector.

1,505,655. CIGAR OR CIGARETTE HOLDER. RUDOLPH J. MAREK, Lodgepole, Nebr. Filed Feb. 8, 1921. Serial No. 443,444. 1 Claim. (Cl. 131—10.)



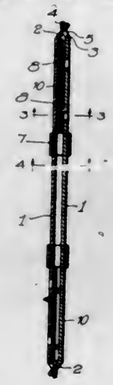
In a cigar or cigarette holder, a tubular body having an inner and an outer wall defining an annular chamber, the outer wall being provided with a longitudinal slot and the web connecting the forward ends of the walls having a notch in alinement with said slot, an ejector comprising a head located within the body, a shank extending from the head longitudinally within the body and back upon itself through the notch between the walls, a finger-piece carried by the last-mentioned portion of the shank and projecting through the longitudinal slot in the outer wall, and a retractile spring housed in the annular chamber and connected to the end of the shank and the rear end wall of the chamber to yieldably hold the ejector retracted.

1,505,656. PRIMARY BATTERY. MARTIN L. MARTUS, Woodbury, Conn. Filed Feb. 19, 1924. Serial No. 693,896. 22 Claims. (Cl. 204—38.)

7. An electrolyte for battery use adapted to undergo visible change through the electrolytic action of the battery giving a different color.

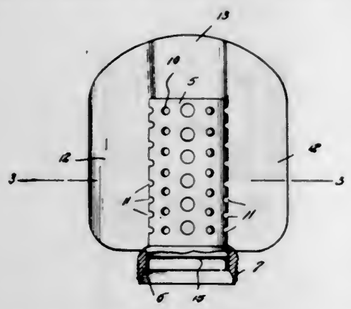
1,505,657. SAFETY-RAZOR HOLDER. GEORGE H. MAURER, Jacksonville, Fla. Filed Apr. 24, 1924. Serial No. 708,688. 1 Claim. (Cl. 30—25.)

A razor blade holder comprising two members, each member consisting of an elongated plate, a perforated flange depending from one end thereof and a tongue projecting laterally from the other end of the plate, locking tongues depending from the underface near one end of the plate, the end portion of the plate carrying the tongue being concaved, notches in the side edges of the plate and bands adapted to be seated in said notches to hold the two members together, said depending tongues being



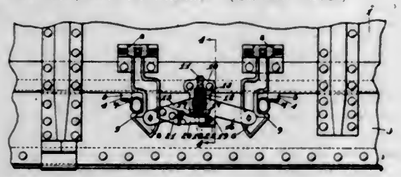
adapted to enter spaced openings in a razor blade and thereby holding said blade in operative position between said members.

1,505,658. RADIATOR-COOLING ATTACHMENT. LOYAL A. MICHAELS, Ottumwa, Iowa. Filed May 10, 1923. Serial No. 637,932. 3 Claims. (Cl. 257—25.)



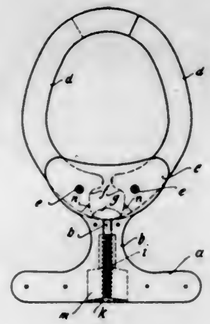
1. In a radiator cap of the class described, a cylindrical portion and a skirt portion, a partition within the cylindrical portion for dividing the same into front and rear chambers, said front chamber being provided with openings for permitting the entrance of air into the cap, means for directing the air into said openings when the car is in motion, said means comprising a pair of laterally directed fins upon opposite sides of said cylindrical portion.

1,505,659. DOOR RELEASING AND LOCKING MECHANISM. FRANK E. MILLER, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 12, 1923. Serial No. 680,156. 16 Claims. (Cl. 105—308.)



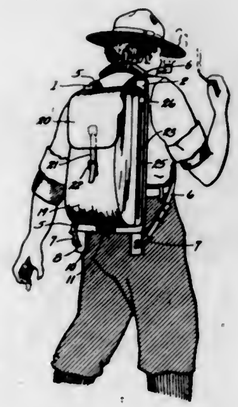
12. In a dump car, a discharge door, members movable into and out of supporting positions with said door, links connected with said members and with each other for operating said members, and means on said links located below the connection between said links adapted to cooperate to lock said members in their supporting positions with said door.

1,505,660. HANDCUFF. CHRISTIAN MORASCH, Bad Neuenahr, Germany. Filed Apr. 13, 1922. Serial No. 552,085. 1 Claim. (Cl. 70—24.)



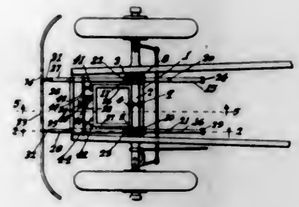
A device of the class described composed of a handle, a slidable shaft therein, a case, nipper arms pivoted therein with their portions in the case beyond their pivots formed with curved portions, a head rigid with the inner end of said shaft confined between the said curved portions and engageable therewith, and a spring in said case acting on said shaft, the inner ends of said arms being cut away to permit of full opening of the arms.

1,505,661. PACK. LLOYD F. NELSON, Bremerton, Wash. Filed July 31, 1922. Serial No. 578,623. 4 Claims. (Cl. 224—8.)



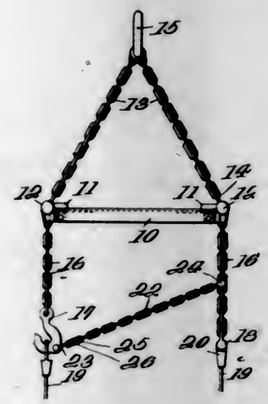
1. A pack of the character described, comprising a rack with supporting means secured thereto, a strip of flexible material enclosing the rack to form a ventilated air space and a sack detachably mounted on the rack outside of the said air space.

1,505,662. AUTO BUMPER. GEORGE B. O'CONNOR, Los Angeles, Calif. Filed Jan. 24, 1924. Serial No. 688,166. 4 Claims. (Cl. 293—55.)



4. An extensible fender for vehicles comprising parallel supporting bars rigidly connected and having transversely alined slots, a fender bar yieldingly mounted upon the supporting bars, means for mounting the supporting bars upon a vehicle to slide the fender to or from the vehicle, a locking bar to engage in the slots, and means for locking the locking bar.

1,505,663. CRANE SLING. CHARLES OLIVER, Toledo, Ohio, and JESSE C. COOK, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed Sept. 10, 1923. Serial No. 661,907. 10 Claims. (Cl. 294—74.)

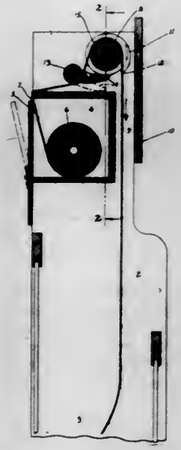


1. In a crane sling, the combination of a frame, cable connected to the frame for passing beneath the load, hooks on the frame engaging the cables for supporting the load, and means for automatically causing the hooks to be actuated for releasing the cables upon depositing the load on a supporting surface.

1,505,664. TOWEL CABINET. GOTTFRID OLSON, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Oct. 14, 1921. Serial No. 507,598. 2 Claims. (Cl. 45—32).

2. A towel cabinet comprising a casing, a feed roll journalled in said cabinet and having a friction surface over which a web of toweling may pass, a cam fixed to one end of said feed roll and having a shoulder, a guide roll for the toweling web and having said web pass thereunder in frictional engagement therewith whereby movement of

the toweling web in delivery tends to rotate the guide roll, and a finger on said guide roll alined with said cam and



having the end engageable by the shoulder of the cam upon the finger being raised by rotation of the guide roll upon delivery movement of the toweling web.

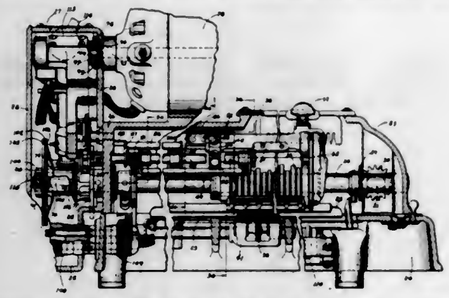
1,505,665. AUTOMATIC GAMBREL. FRANK J. FAICE, Smithfield, Ohio. Filed July 20, 1921. Serial No. 486,055. 1 Claim. (Cl. 294—79.)



A device of the class described comprising a pair of arms of unequal lengths, the shorter of said arms being formed of a single strip of metal looped and bent upon itself intermediate its ends, the bent portions being clamped together for approximately half the distance thereof, the remaining length of the arm having the strands spaced apart to provide a bifurcated inner end, the longer arm being pivoted adjacent its inner end between the ends of the furcations of the first mentioned arm to provide an inner extension portion for reception between said furcations, the extreme free end of said extension being offset to provide a shoulder, a stop pin extending laterally through the bifurcated portion of said first mentioned arm adapted to receive said shoulder in contact therewith to limit the movement of said arms with respect to one another in one direction, the inner opposed edges of said arms adjacent their outer ends being provided with engaging notches, and a flexible connection having its ends loosely engaged with said arms intermediate the ends thereof.

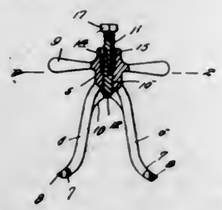
1,505,666. PRINTING APPARATUS. WALTER B. PAYNE, Rochester, N. Y., assignor to Todd Protectograph Co., Inc., Rochester, N. Y. Filed May 23, 1922. Serial No. 563,153. 21 Claims. (Cl. 197—6.2.)

1. The combination with a plurality of type forms and platen having relative selective movement to bring the type forms individually to position for co-operation with the platen and said type forms having a rotary printing movement, and a single manually operable means for effecting said selective movement, of power driven means comprising a rotary part, a rotatable part connected with said type forms, and mechanism controlled by said



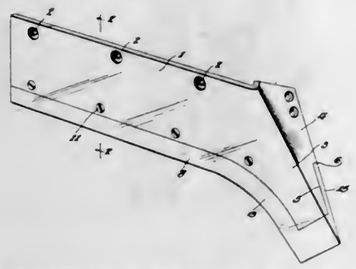
selective means and provided with a device for intermittently connecting said parts to rotate said type forms and effect a printing operation.

1,505,667. THREAD CLEARER. EMIL C. PLOENSE, Bloomington, Ill. Filed Dec. 18, 1923. Serial No. 681,374. 1 Claim. (Cl. 10—1.)



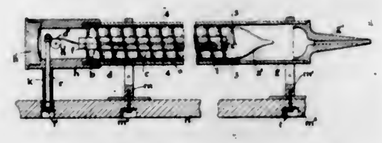
In a thread clearer of the character described, a body provided with a plurality of legs that project from one end thereof, said legs having laterally directed free ends formed to fit and engage within the threads to be cleared, means carried by said body for facilitating application of rotary motion thereto, an adjusting screw threaded axially through the body and having its inner end projecting between the inner ends of the legs, and cam lugs upon the adjacent sides of the inner end portions of said legs engageable by the inner end of said adjusting screw for expanding the legs.

1,505,668. PLOWPOINT. CHARLES R. PRIGEL, Home City, Kans., assignor of one-fourth to Henry Schimmels and one-fourth to W. Roy Lewis, both of Home City, Kans. Filed Aug. 23, 1922. Serial No. 583,801. 1 Claim. (Cl. 97—125).



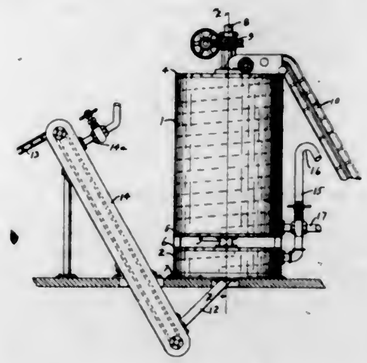
The improvement in plows herein set forth consisting of a share provided with a channel along its lower front edge in its rear side and provided at its point end with a downwardly projecting landside attaching lug having its forward lower edge recessed thereby presenting a transverse shoulder in rear of the lower forward extremity of the said lug, and a cutter having a longitudinally extending rabbet at its upper rear edge in its front side to interlockingly engage with the rabbet at the lower front edge of the share, said rabbet extending across the point of the cutter to define a transverse shoulder on the upper front side thereof to abut the extremity of the point end of the share and having a rearwardly extending tongue projecting from the base of said shoulder to fit within the recess at the lower forward end of the landside lug and having its upper extremity abutting the transverse shoulder at the upper end of said recess, and fastening devices inserted through the rabbeted portions in the share and the cutter and through the said tongue into the recessed portion of the landside lug.

1,505,669. APPARATUS FOR THE PRODUCTION OF OZONE. JOHN ROBERT QUAIN, London, England. Filed Dec. 8, 1919. Serial No. 343,370. 9 Claims. (Cl. 204—32.)



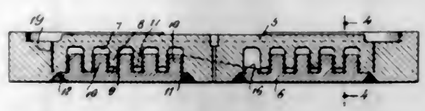
1. Apparatus for the production of ozone by means of high-tension electrical energy comprising spaced-apart electrodes and a dielectric body composed of silica interposed between said electrodes with which at least one of said electrodes is in contact to act directly upon the air to be ozonized.

1,505,670. COOKER. ALBERT REYNOLDS, San Jose, Calif., assignor to Anderson-Barngrover Company, San Jose, Calif., a Corporation of California. Filed Dec. 29, 1919. Serial No. 348,006. Renewed Feb. 14, 1923. 14 Claims. (Cl. 126—272.)



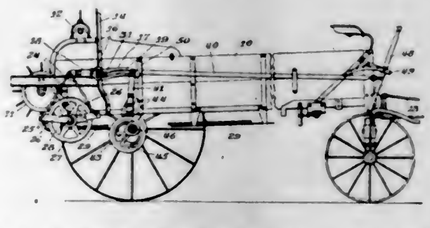
1. A cooker including a vertically positioned cooking chamber, an inclined helical track passing therethrough, a cooling chamber, an inclined helical track passing therethrough and receiving cans from said first mentioned track, enclosed means exterior to the cooling chamber for removing cans discharged from said cooling chamber and means for maintaining a given height of liquid in said chambers and enclosed means to submerge a portion of said track and removing means.

1,505,671. METHOD OF HEATING AND COOLING PLASTIC MATERIAL AND APPARATUS THEREFOR. ANNESLEY DELOS SMITH, Mount Vernon, N. Y. Filed Feb. 20, 1924. Serial No. 694,171. 10 Claims. (Cl. 18—5.3.)



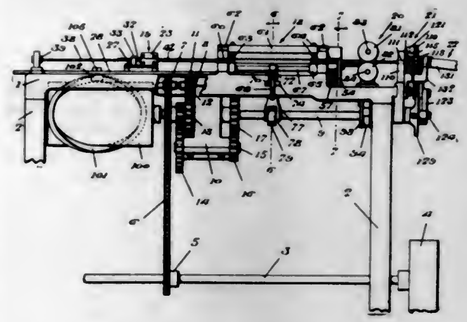
1. The method of uniformly heating and cooling plastic materials in molding under pressure, which comprises introducing the heating and cooling media at the central region of the area to be treated and permitting the media to expand in substantially radial directions therefrom.

1,505,672. RATCHET FEED FOR SPREADERS. ERNEST C. SMITH, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed May 6, 1921. Serial No. 467,361. 9 Claims. (Cl. 74—54.)



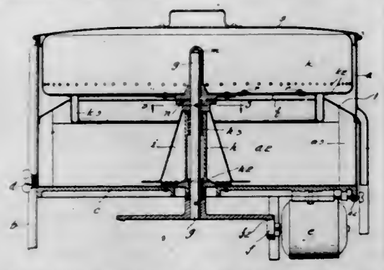
1. In a drive mechanism, a breakable rocker arm, a driving element shiftably connected to said rocker arm, and means actuated by shifting said driving elementfor breaking said rocker arm.

1,505,673. WIRE-TWISTING MACHINE. GARY B. SMITH, Chicago, Ill. Filed Feb. 7, 1920. Serial No. 356,852. 24 Claims. (Cl. 153—64.)



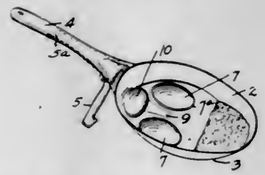
1. A wire twisting machine embodying a set of rolls for gripping twisted wire between them and rotating such wire, a twist-forming device movable toward and away from said rolls, means for moving said device toward said rolls, and means operable with said means for shifting one of said rolls to release the twisted wire between them when said device is moved toward the rolls and then shifting said roll to grip the wire between the rolls.

1,505,674. WASHING MACHINE. CHARLES F. STAPLES, Detroit, Mich. Filed May 26, 1921. Serial No. 472,658. 3 Claims. (Cl. 68—18.)



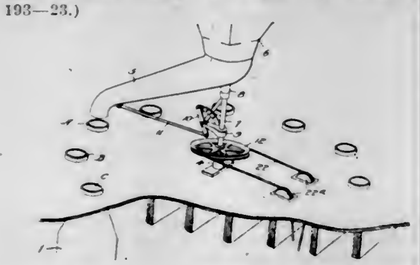
1. In a washing machine, a vat, a drive shaft extending upwardly through the bottom thereof, a washing element carried by the shaft disposed in the lower portion of the vat, a perforated drying basket disposed in the upper portion of the vat and engaging with the drive shaft above the washing element to be rotated with the shaft, and a drainage collector associated with the vat intermediate the drying basket and washing element to catch the discharge from the basket and prevent it from falling into that portion of the vat occupied by the washing element.

1,505,675. COOKING UTENSIL. CHARLES STERN, San Francisco, Calif. Filed Dec. 7, 1921. Serial No. 520,510. 3 Claims. (Cl. 53—75.)



1. A frying pan having a plurality of substantially separate depressions for separately containing substances of food to be cooked; said depressions being arranged all substantially to one side of a diameter of the bottom of the pan so as to provide a serviceable undepressed cooking area of the bottom of the pan, certain of the depressions having their rims at an elevation above the normal bottom of the pan to prevent inflow of liquids into the depressions.

1,505,676. INDICATING SYSTEM FOR GRAIN ELEVATORS. GEORGE STROHMAIER, Elgin, N. Dak. Filed Mar. 1, 1924. Serial No. 696,373. 2 Claims. (Cl. 193—23.)



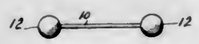
1. In a grain elevator having a feeding spout selectively feeding a plurality of bins, means including a handwheel for moving said spout to the selected bin, and means for presenting a specimen of the contents of the bin to an indicator during the movement of said handwheel.

1,505,677. HEMMING DEVICE. EMILIE SULLIVAN, Los Angeles, Calif. Filed May 23, 1921. Serial No. 471,907. 1 Claim. (Cl. 223—54.)



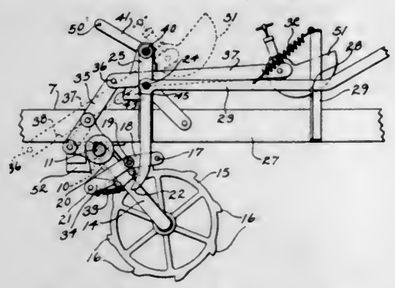
Clamping means for holding a fabric to be hemmed comprising a one-piece stamping of metal adapted to have a central portion cut out and to be folded so that it forms two holding strips integrally and resiliently connected by loops, one of the strips having means for engaging the fabric curved away from the central plane between the two strips.

1,505,678. SCISSORS SHARPENER. FRANK B. SWISHER, New York, N. Y., assignor to Ellis M. Potter, New York, N. Y. Filed Oct. 21, 1922. Serial No. 598,089. 2 Claims. (Cl. 76—82.)



1. In a sharpener of the character described the combination of a cylindrical sharpening rod and a pair of spherical supports on the ends of the rod.

1,505,679. POWER LIFT FOR GROUNDWORKING IMPLEMENTS. HARRY W. THAYER, Los Angeles, Calif., assignor to The Killefer Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 16, 1922. Serial No. 536,943. 3 Claims. (Cl. 97—73.)

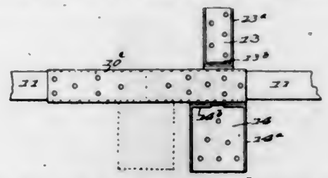


1. In an implement, the combination of a frame, a crank axle supporting the frame, ground wheels journaled on the axle, means to connect the crank at will to one of the wheels to turn the crank, a member to throw the connecting means into operation, means operating when the crank is turned to a predetermined position to throw the connecting means out of operation, means to hold the crank in the predetermined position, and means to release the crank-holding means to permit the crank to be turned in the reverse direction, said means including a shiftably mounted slide, a pivoted lever, and a link pivotally connected to the slide and to the lever.

1,505,680. STRUCTURAL SLEEVE FOR FOUNDATION SILLS. ROBERT WALKER, Dover, N. J. Filed Aug. 29, 1921. Serial No. 496,440. 1 Claim. (Cl. 20—94.)

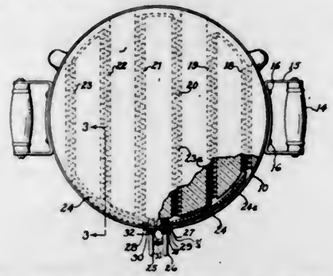
A steel structural joint comprising a parallelopiped sleeve which is open from end to end, a chair member applied to the side of the sleeve and formed from a sheet of metal having a bottom portion and side flanges which

are spaced from each other above the bottom portion, said bottom portion and side flanges being provided with



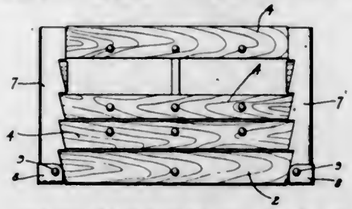
inturned and overlapping inner end flanges, and securing devices passing through the overlapping flanges and securing the chair member to the sleeve.

1,505,681. ELECTRIC GRIDDLE. MAURICE L. WARNER, Amherst, Mass. Filed Mar. 1, 1924. Serial No. 696,129. 2 Claims. (Cl. 219—37.)



1. In an electrically heated griddle, a casing, a combined heating and cooking unit in said casing, said unit comprising an integral flat disc having a series of parallel perforations extending therethrough between its top and bottom surfaces, a resistance wire passing through said perforations, and means for connecting said wire with a source of current.

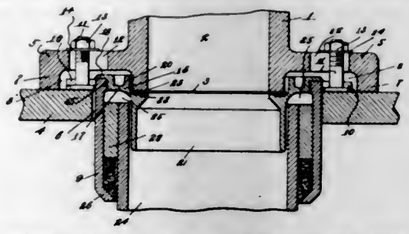
1,505,682. MILK CRATE. CHARLES A. WOOLSEY, Minneapolis, Minn. Filed Oct. 21, 1922. Serial No. 596,081. Renewed Dec. 26, 1923. 7 Claims. (Cl. 217—69.)



1. A container having side and end slats at the bottom, and protecting corner plates, said end slats abutting the side slats at the corners and both slats at the corners having recessed lower edges, metallic bands secured to the lower edges of said lower slats and offset to fit said recesses, said corner plates having ears folded inwardly within said recesses, and a lacing means passing through said ears and said bands, and said slats and securing them together.

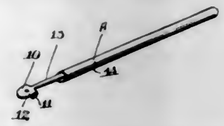
1,505,683. OUTLET CONNECTION FOR PLUMBING FIXTURES. DE WITT H. WYATT and WILLIAM C. GROENIGER, Columbus, Ohio, assignors to The Groeniger Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed June 23, 1920. Serial No. 391,146. 9 Claims. (Cl. 285—34.)

1. An outlet connection for closet bowls, comprising a bowl wherein is embodied an outlet portion which is terminated to lie evenly with the supporting base upon which the bowl is mounted, a collar projecting from said outlet portion and formed to have its lower surface terminated on the same plane as the lower end of the outlet portion, a seating structure for said outlet connection, including a metallic ring concentrically disposed with respect to the major axis of the outlet portion and



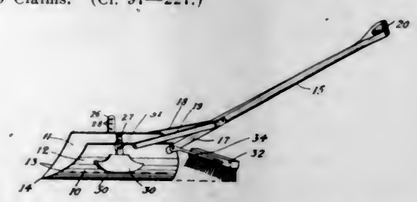
positioned beneath the latter, a supporting head for said ring situated within said collar and disposed for seating co-operation upon the supporting base, a seat formed internally of said ring for the reception of the lower end of the outlet portion, means whereby a connection is established between the supporting head and collar, and an outlet pipe leading from said ring.

1,505,684. DENTAL INSTRUMENT. FRANCIS ASKEY AINSWORTH, St. John, New Brunswick, Canada. Filed Oct. 13, 1923. Serial No. 668,389. 2 Claims. (Cl. 32—10.)



1. A dental filling holder and compressor to be used in connection with celluloid strip as a facing form, comprising a concave holder, a flange formed integral with the lower end of the holder designed to hold the celluloid around the incisal edge of the tooth, a shank extending from the holder, and a handle detachably engaging the shank.

1,505,685. LAWN TRIMMER. CLARENCE ALLEN, Mason City, Iowa. Filed Apr. 9, 1921. Serial No. 459,884. 9 Claims. (Cl. 97—227.)

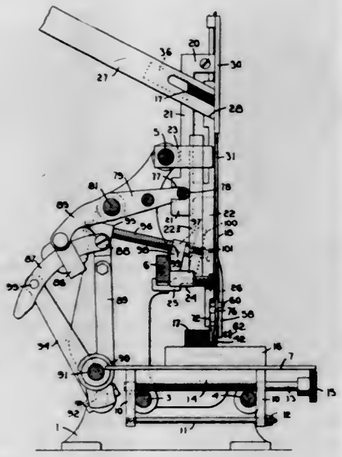


5. A lawn trimmer comprising a cutting member, a handle secured thereto, a support pivotally attached to said cutting member, a brush mounted upon said support, said support being arranged to swing upon its point of pivot as the device is operated to cause the brush to follow along the surface upon which it rests.

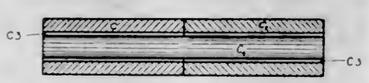
1,505,686. MACHINE FOR AFFIXING AND ASSEMBLING UNITS UPON A BASE. CARL G. ANDERSON, Boston, Mass., assignor to John E. Swanson, Boston, Mass. Filed Apr. 3, 1920. Serial No. 371,157. 13 Claims. (Cl. 1—1.)

1. A machine for affixing a series of abutting units to a base, comprising means for supporting said base, means for delivering a unit to be affixed in proximity to an

affixed unit, driving means and means for forcing the delivered unit against an affixed unit and acting by continued movement to advance said base and to position the delivered unit beneath said driving means and means for actuating said driving means.



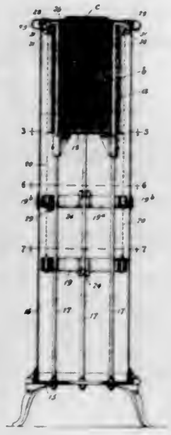
1,505,687. CONTROL MEMBER FOR DIFFERENTIALS. CIPRIANO ANDRADE, Jr., New York, N. Y. Original application filed Mar. 15, 1923, Serial No. 625,333. Divided and this application filed July 27, 1923. Serial No. 654,166. 7 Claims. (Cl. 74—7.)



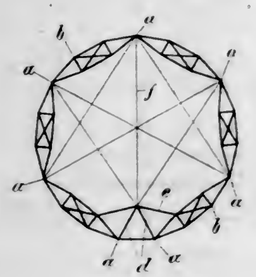
1. In a differential; a first locking roller having a longitudinal open space; a second locking roller having a longitudinal open space; and a third independent element adapted to enter both of said open spaces longitudinally, said independent element having a diameter less than the diameter of one of said longitudinal open spaces.

1,505,688. HOLDER FOR STACKS OF SHEETS. CHARLES ARELT, Brooklyn, N. Y., assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,870. 7 Claims. (Cl. 211—29.)

1. The combination of a container, an aperture cover movably mounted thereon, a support within said container for a stack of sheets, mechanism whereby said support is lifted to exert a pressure on said stack from below to cause the topmost napkins to bulge through the aperture of said cover, controlling means arranged to engage said lifting mechanism and lock the same against a lifting movement when the cover is in one position on said container and means on said cover movable therewith to another position on said container to engage said controlling means and adjust the same to an inoperative position to release said lifting mechanism.



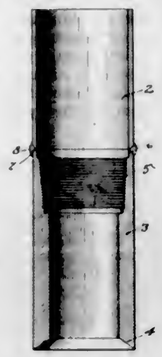
1,505,689. RIGID FRAME FOR AIRSHIPS. KARL ARNSTEIN, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Germany. Filed Sept. 3, 1921. Serial No. 498,487. 5 Claims. (Cl. 244—3.)



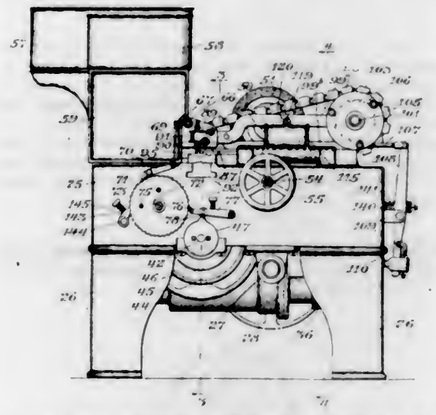
1. Rigid airship structure comprising longitudinal girders and transverse polygonal frames interconnected by said longitudinal girders, groups of more than two adjacent corners of each frame being stayed to form a substantially symmetrical panel truss having its end points in common with adjacent trusses, and diagonal bracing members interconnecting such common end points.

1,505,690. WELL-CASING SHOE. LAWRENCE F. BAASH, Whittier, Calif. Filed Apr. 18, 1922. Serial No. 554,727. 2 Claims. (Cl. 166—9.)

1. A well casing shoe comprising a cylindrical upper section having a cylindrical bore and a beveled edge on one end, and a lower shoe section of higher grade material and which is internally machined and having its upper end beveled; the beveled ends of the sections being abutted and a welded joint connecting the sections.

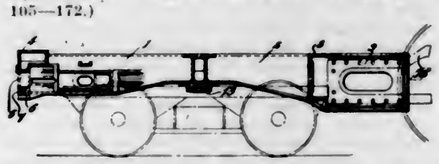


1,505,691. CHAIN ASSEMBLING AND RIVETING MACHINE. GUSTAF BARKSTROM, Cicero, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed May 6, 1921. Serial No. 467,498. 29 Claims. (Cl. 59—7.)



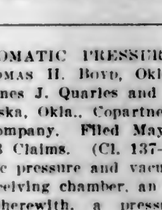
1. In a chain riveting machine, the combination of an abrasive element, a heading tool, means for assembling links and case hardened pins, and conveying mechanism for moving the pins successively past the abrasive element and heading tool whereby one end of the pins will first have the case removed and then be headed.

1,505,692. TENDER FRAME. HARRY R. BARTELL, St. Louis, Mo., assignor to Cast Steel Tender Frame Company, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 3, 1923. Serial No. 629,674. 6 Claims. (Cl. 105—172.)



3. A tender underframe casting including integrally formed longitudinal sills, end sills, a single intermediate cross member forming a bolster, a drawbar pocket with carry iron supports at one end of the longitudinal sills and below the plane of said bolster, and an extension at the other end of the longitudinal sills below said plane for attachment to a locomotive frame.

1,505,693. BY-PASS VALVE FOR STORAGE-BATTERY VENTS. RAYMOND C. BENNER, Bayside, and HARRY F. FRENCH, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Oct. 12, 1922. Serial No. 594,043. 4 Claims. (Cl. 204—29.)



4. An electric battery comprising a casing, a cover therefor having a vent, an absorbent beneath the cover and adapted to fix material entrained by gases passing to the vent, a perforation beneath said absorbent, and means normally closing said perforation but capable of actuation to uncover the same and permit the escape of gases therethrough.

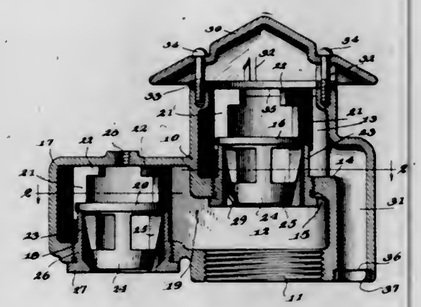
1,505,694. PROCESS OF RUBBERIZING FABRIC. EDMUND W. BENTEL, Akron, Ohio, assignor of three-fifths to Frank T. Lahey and one-fifth to George J. Harter, both of Akron, Ohio. Filed Aug. 19, 1922. Serial No. 582,874. 4 Claims. (Cl. 91—68.)

3. A process of rubberizing fabric, comprising coating fabric on one side with rubber in a plastic condition, and subjecting the coated surface of the fabric to pressure and the uncoated surface to suction to cause the rubber to penetrate the interstices of the fabric.

1,505,695. AUTOMATIC PRESSURE AND VACUUM DEVICE. THOMAS H. BOYD, Oklahoma City, Okla., assignor to James J. Quarles and William H. Aaron, both of Pawhuska, Okla., Copartners, trading as Gas-Tite Device Company. Filed May 12, 1923. Serial No. 638,576. 3 Claims. (Cl. 137—53.)

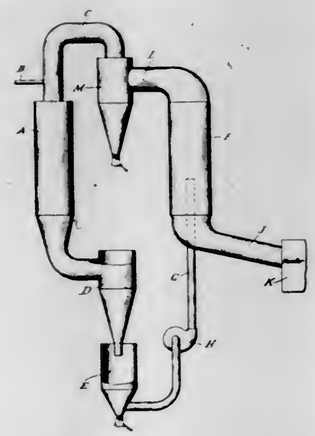
1. An automatic pressure and vacuum device comprising a pressure-receiving chamber, an air intake chamber communicating therewith, a pressure-exhaust-chamber above the receiving chamber open at its upper end, valve means in the intake chamber operable to admit air into

the receiving chamber, valve means in the exhaust chamber operable to permit escape of excess pressure from the receiving chamber, a wire gauze spanning the upper open end of the exhaust chamber, and a dirt-and-moisture



excluding cover having a supporting ring engageable with said chamber for supporting the cover in raised position thereover, said ring also serving as a retainer for the said gauze.

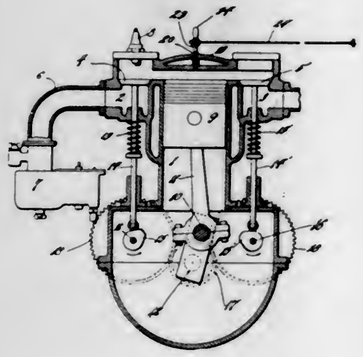
1,505,696. MANUFACTURE OF DEXTRINE. RICHARD G. BRINDLE, Chicago, Ill., assignor to Corn Products Refining Company, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 353,958. 11 Claims. (Cl. 127—1.)



3. Method of manufacturing dextrine and allied products which consists in spraying an acidified starch liquor in a drying atmosphere, separating the substantially dried acidified starch from the bulk of the drying gas and vapor then suspending the separated acidified starch particles in a gas and causing them while thus suspended to pass through a zone of temperature sufficient to produce dextrinization.

1,505,697. CHARGE-FORMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. BENJAMIN L. CAMPBELL, St. Louis, Mo., assignor of one-half to Frank G. O'Haver, Webster Groves, Mo. Filed Oct. 7, 1921. Serial No. 506,155. 4 Claims. (Cl. 123—75.)

1. A four cycle internal combustion engine provided with a cylinder, a piston in said cylinder, said cylinder having a main inlet port for the admission of the combustible charge, a main inlet valve adapted to open and close said main inlet port, an exhaust port, a valve adapted to open and close said exhaust port, an auxiliary air inlet port being formed through a portion of the cylinder to provide for the admission of air to the interior of the cylinder, an auxiliary air valve adapted to close said air inlet, valve operating means whereby said main inlet valve is held in a closed position during the beginning of the suction stroke of the piston so as to create a partial vacuum in the cylinder, said auxiliary



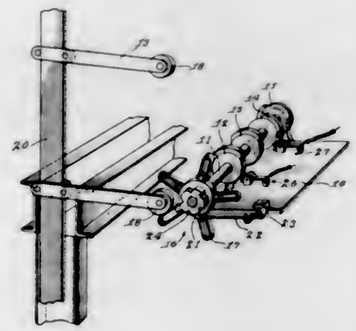
air valve being adapted to be actuated to permit the passage of air through said auxiliary port during the beginning only of the suction stroke of the piston and while said intake and exhaust valves are closed, and means whereby said auxiliary air valve is closed in response to the opening movement of the main inlet valve, the last mentioned means being yieldable to permit opening of the auxiliary air valve in response to said partial vacuum.

1,505,698. VANITY CASE. OSWALD J. CATHCART, Newburgh, N. Y. Filed Oct. 2, 1922. Serial No. 591,712. 4 Claims. (Cl. 132—83.)



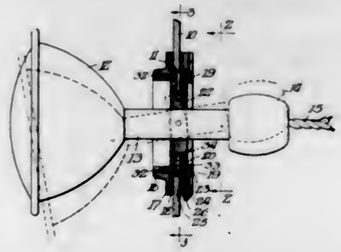
1. A vanity case comprising a main body member and a main cover member therefor, a rouge compartment of smaller diameter than said main members, located within the said main members, and having its mouth within the space between said main members, one of said main members being provided with a powder compartment within the same but exterior to the rouge compartment, a puff in said rouge compartment, a separate cover for the rouge compartment of smaller diameter than the main cover member, located in the space between the main members, a puff for the powder compartment of larger area than the rouge puff, located in the space between the main members, and a mirror carried by the main cover member within the same.

1,505,699. ELEVATOR CONTROL. JOHN F. CLANCY and ADOLPH A. GAZDA, Chicago, Ill., assignors to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1920. Serial No. 362,492. 8 Claims. (Cl. 187—35.)



5. In a device of the class described, a head, a plurality of radially projecting arms carried by said head, and a plurality of pivoted rollers mounted in a spaced series adapted successively to engage said radially projecting arms and rotate said head in both directions selectively.

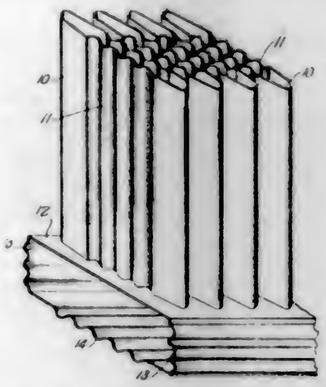
1,505,700. MOUNTING FOR SPOTLIGHTS. THOMAS C. COOPER, Chicago, Ill. Filed Oct. 28, 1922. Serial No. 597,466. 2 Claims. (Cl. 240—61.)



1. A mounting for a motor vehicle spotlight comprising a collar, and inner and outer rings within said collar, diametrically opposite pivot pins fixed to said collar and engaging said outer ring, diametrically opposite pivot pins fixed to said inner ring and engaging said outer ring, said first pins extending at right angles to the second, grooves in said outer ring extending from its outer periphery inwardly in the vicinity of each of said pins, and means associated with the walls of said grooves for regulating the frictional engagement between said pins and said outer ring.

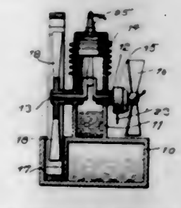
1,505,701. RADIATOR CONSTRUCTION. ABRAHAM B. COX, Cherry Valley, N. Y. Filed June 26, 1920. Serial No. 391,901. 6 Claims. (Cl. 257—130.)

1. The herein described construction of radiators and the like, comprising headers with corrugated walls spaced apart, and a series of separate independent tubes connecting the headers, the tubes having generally flat-



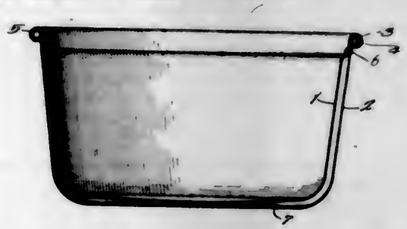
tened sides and being arranged with their flattened sides adjacent.

1,505,702. PORTABLE LIGHTING PLANT. ALVIS L. CURTIS, Wauneta, Nebr. Filed Feb. 5, 1921. Serial No. 442,879. Renewed Jan. 22, 1924. Serial No. 581,846. 2 Claims. (Cl. 290—1.)



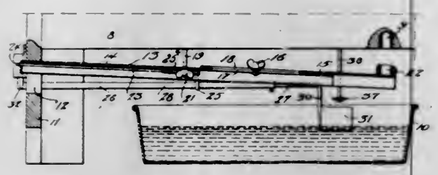
1. In a device of the type described, a hollow base, an engine base extending upwardly from and formed integrally with the hollow base, an engine supported upon said engine base and embodying a crank shaft, the ends of the crank shaft projecting beyond the bearings of the engine base, a segmental recess formed in said hollow base beneath one end of said crank shaft, a coil ring secured within said recess and radially extending magnets secured to said shaft and rotating within said coil ring.

1,505,703. HEATING UTENSIL. ALEXANDER WARD DARLEY, Laramie, Wyo. Filed Mar. 22, 1923. Serial No. 626,865. 3 Claims. (Cl. 53—8.)



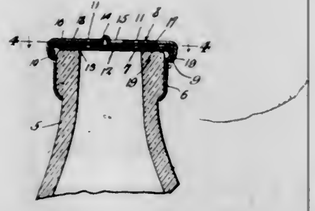
1. A heating vessel including two portions having a space therebetween sealed fluid tight, and a heat transmitting gas in said space, said portions being arranged to contact over a certain area, when cold, and to separate at their place of contact when the vessel is heated.

1,505,704. DRIP-WATER INDICATOR AND CUT-OFF DEVICE. JOHN VINCENT DE WALD, Philadelphia, Pa. Filed Aug. 10, 1920. Serial No. 402,571. 10 Claims. (Cl. 137—6.)



5. The combination with a refrigerator having a water drain pipe and a removable receptacle under said drain pipe, of a pivotally mounted lever having a portion movable into closing engagement with said drain pipe; a float for engagement with the drain water in said receptacle; means operatively connected to said float and adapted to swing said lever into a position to close said drain pipe; and means for registration with a part of said latter connected means and located outside of said refrigerator whereby the amount of water within said receptacle can be ascertained; substantially as described.

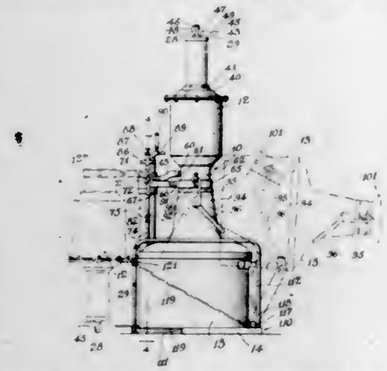
1,505,705. SHAKER-BOTTLE CLOSURE. JOHN L. DUNNOCK, Baltimore, Md. Filed Mar. 6, 1923. Serial No. 623,083. 2 Claims. (Cl. 221—62.)



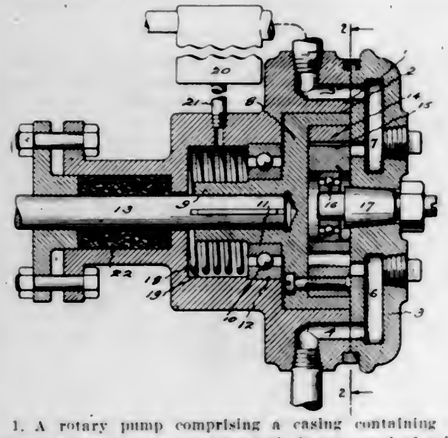
2. The combination with a container, of a closure cap fitted over the mouth thereof and having discharge perforations, a cover cap fitted over the closure cap and provided with discharge perforations registering with the perforations of the latter, a movable valve plate mounted between the caps and completely enclosed by the cover cap, said valve plate having perforations adapted to be brought into and out of registry with the perforations of the caps, the top of the closure cap having a pair of indentations, and the valve plate having a lug adapted to enter one of said indentations when the perforations are in registry, and the other indentation when the perforations are out of registry, the top of the closure cap also having a guide indentation and the valve plate having a lug seating in said indentation, and a finger piece on the valve plate for operating the same, the top of the cover cap having a slot through which the finger piece protrudes.

1,505,706. MULTIPLE-UNIT GAS-GENERATING SYSTEM. WILLIAM W. HARRIS, Newport, N. J. Filed Feb. 11, 1922. Serial No. 535,842. 11 Claims. (Cl. 48—38.)

1. In an acetylene supply system, the combination of a plurality of generating units, each of said units including carbid feeding means automatically responsive to changes in the pressure of the gas accumulated within said units and means for adjusting said carbid feeding passage means respectively, a common service outlet means for pivotally mounting said carbid feeding means respectively to said common service outlet, means for interconnecting said units with said common service outlet and means coacting with said adjusting means respectively for locking the respective carbid feeding means in closed position.



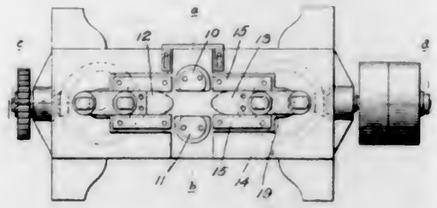
1,505,707. ROTARY PUMP. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,453. 18 Claims. (Cl. 230—30.)



1. A rotary pump comprising a casing containing a pumping chamber, a ported head closing one end of said chamber, said head having an intake to and discharge from the chamber, a rotor having one side closed and the other side open, rotatable in and having an axial movement in said chamber so the open side will bear against the inner face of the head, means located in and actuated by the rotor for pumping fluid, a spring for initially forcing the rotor and pumping means axially toward the head, and means for conducting pressure accumulated by the pump to the back of the rotor for supplementing the tension of said spring and forcing the rotor against the head according to the accumulated pressure.

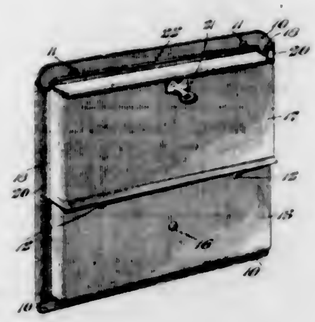
1,505,708. MACHINE FOR MAKING WIRE REELS. JOHN A. HOLMQUIST, Woodlawn, Pa. Original application filed Dec. 30, 1922, Serial No. 609,842. Patent No. 1,501,343. Divided and this application filed Oct. 29, 1923. Serial No. 671,411. 3 Claims. (Cl. 140—71.)

1. In a machine for forming reels out of wire, a machine unit consisting of four blocks, two standing opposite one another in stationary positions and adapted to bring to position an endless hoop of wire applied to them, and two being oppositely reciprocatory between



the stationary blocks in parallel planes angled with respect to the plane of a loop resting on the stationary blocks, thereby shaping an applied loop to three-eyed formation.

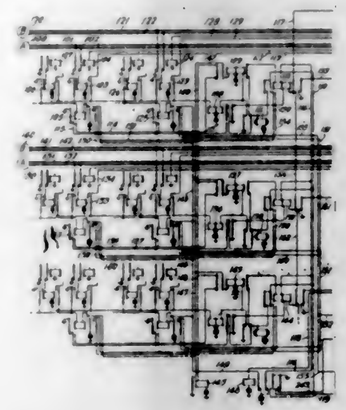
1,505,709. COVER FOR RADIATORS. FRANK C. HUEBER, Philadelphia, Pa. Filed Feb. 5, 1923. Serial No. 616,939. 1 Claim. (Cl. 257—132.)



In a device of the character stated, a frame arranged to be rigidly secured to the front of an automobile radiator and having an opening substantially the size of the radiator opening, fastening means for said frame directly engaging the front of said radiator, a closure fixed to said frame and closing a portion of said opening, said closure being shaped to form an inner receptacle, an insulating material secured in said receptacle and abutting said radiator, a movable cover arranged to close the remaining portion of said opening, said cover being shaped to telescope with said closure to uncover a portion of said opening, and means for supporting said cover in closed position.

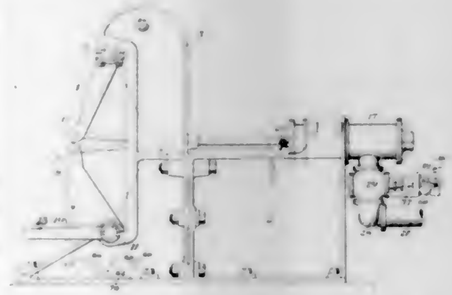
1,505,710. TELEPHONE SYSTEM. FRANK S. IRVINE, Huntington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 27, 1921. Serial No. 480,552. 12 Claims. (Cl. 179—18.)

1. In a telephone system, a number of groups of lines, one of said groups including a first line and a second line and another of said groups including a third line, a plurality of automatic switches serving said lines, means responsive to the initiation of a call on any of said lines for operating one of said switches to extend such line, means operative when a switch is being taken for use to extend said first line for rendering said second line ineffective to operate a switch provided a call exists on said third line, and means for



rendering said second line effective to cause the operation of a switch as soon as the switch taken for use by said third line commences to operate.

1,505,711. FLYING SHEARS. LANE JOHNSON, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1923. Serial No. 666,925. 16 Claims. (Cl. 164—49.)

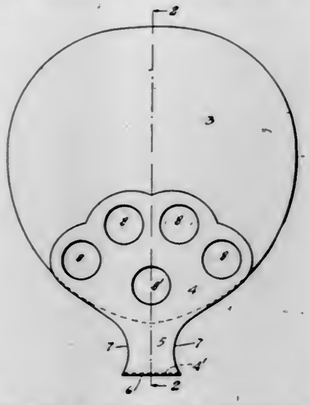


1. In a shear, a pair of pivotally mounted knife levers, cooperating knives carried by said levers, means for swinging said levers about their pivotal axes to effect reciprocation of said knives in the direction of travel of the material and in the opposite direction, and means for simultaneously producing a relative movement of said axes towards and from each other transversely of the path of travel of the material to effect first a shearing of the material and then a sufficient separation of the knives to avoid interference between the same and the material during the rearward movement of the knives, substantially as described.

1,505,712. FAN. EZRA KAPLAN, Chicago, Ill. Filed Aug. 29, 1923. Serial No. 659,928. 2 Claims. (Cl. 230—33.)

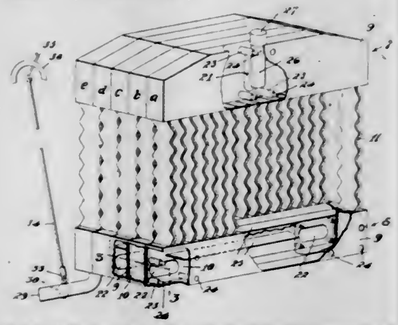
1. A fan member made of a thin sheet of material reinforced at one edge by another sheet of material folded upon itself to embrace the opposite sides of one edge of said fan sheet, the folded edge of said re-inforcing sheet being extended beyond said fan sheet and formed into a

handle portion, the inner portions of said re-inforcing sheet being extended well onto the body of said fan



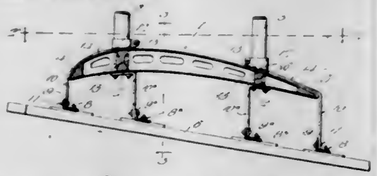
sheet, there being a plurality of perforations extending through the inner portions of said re-inforcing sheets, substantially as described.

1,505,713. RADIATOR. GEORGE A. KILEY, Los Angeles, Calif. Filed June 25, 1919. Serial No. 306,615. 1 Claim. (Cl. 257—130.)



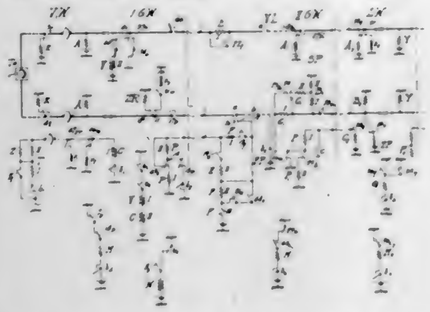
In a radiator, a series of detachably connected units each of which embodies a pair of spaced superposed chambers and a series of zig-zag flexible tubes connecting said chambers, the adjacent zig-zag tubes on a unit being parallel to each other with the series of tubes on one unit arranged with their inclined portions extending diagonally to the inclined portions of the tubes on the adjacent unit, the adjacent upper chambers being in communication intermediate their ends and the adjacent lower chambers being in communication adjacent to one of their ends.

1,505,714. ADVERTISING SIGN. PETER LA GRASSA, New York, N. Y., assignor to Night Aero Advertising Corporation, New York, N. Y., a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,515. 11 Claims. (Cl. 40—127.)



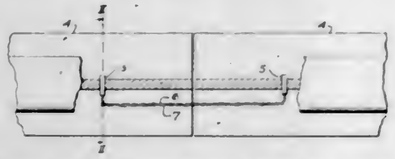
1. The combination with an aircraft having a transverse supporting plane, and struts rising therefrom, of means for supporting a sign under said plane, including hangers secured to said struts.

1,505,715. TELEPHONE SYSTEM. MAX LANGER, Hermsdorf, near Berlin, Germany, assignor to Automatic Electric Company, Chicago, Ill. Filed Aug. 29, 1921. Serial No. 496,385. 8 Claims. (Cl. 179—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



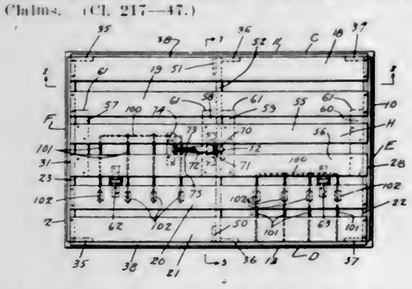
1. In a telephone system, means including a train of automatic progressively movable switches for connecting a calling and a called line, means in the final switch for connecting a source of current to one of the talking conductors when the conversation is over with, said means being responsive only to the replacement of the receiver on the called line, a measured service device for the calling line, a controlling relay for said device, and means responsive only to the replacement of the receiver on the calling line for connecting said controlling relay to said talking conductor to render such relay responsive to said current source.

1,505,716. RAIL BOND. FREDERICK C. LAVARACK, Montclair, N. J. Filed Apr. 4, 1922. Serial No. 549,437. 1 Claim. (Cl. 173—283.)



A bond for the abutting ends of two rails, each provided with an orifice, comprising channel pins, fitting within said orifices, and having diametrically opposite grooves, a pair of bonding wires having their ends seated in said grooves and twisted together throughout the remainder of their length to form a rigid reinforced bonding member, the twisted portions adjacent the ends causing the separated end portions to draw toward each other into the bottom of the grooves.

1,505,717. CRATE. JOHN A. LENNARTSON, St. Paul, Minn. Filed Sept. 29, 1921. Serial No. 504,054. 14 Claims. (Cl. 217—47.)

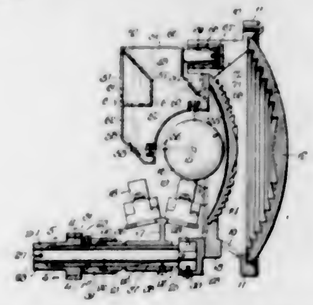


1. A collapsible crate comprising a top, a base, end walls hingedly connected to said top, side walls hingedly connected to said top, all of said walls being adapted to be folded beneath said top and positioned between said top and base when the crate is in collapsible position and means for connecting some of said walls to said base.

1,505,718. PRODUCTION OF ARSENATES FROM SPEISS. CLARENCE P. LINVILLE, Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 18, 1921. Serial No. 462,383. 6 Claims. (Cl. 75—18.)

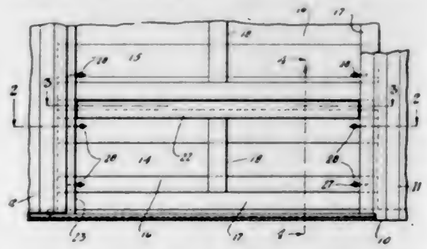
1. In the art of treating nickel speiss, the process which consists in air roasting the speiss in the presence of sodium carbonate supplied in an amount in excess of the amount necessary to convert the arsenic present into an arsenate, and dissolving the roast with water to obtain a solution of tri-sodium arsenate and to obtain the other metals in a residue substantially free of arsenic.

1,505,719. ADJUSTABLE ELECTRIC LAMP SUPPORT. DANIEL J. MCCARTHY, Elgin, Ill., assignor to Chicago Railway Signal and Supply Company, a Corporation of Illinois. Original application filed Apr. 28, 1921, Serial No. 465,143. Divided and this application filed Jan. 16, 1922. Serial No. 529,434. 7 Claims. (Cl. 240—44.)



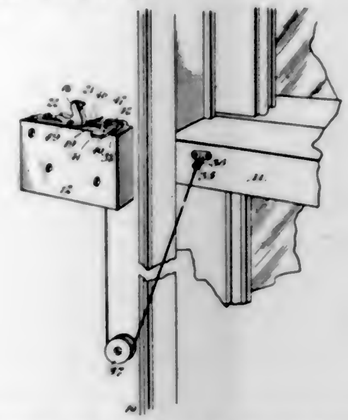
1. In a device for adjusting the position of a lamp, a rotatable shaft; two like eccentrics one on each end thereof; a tube rotatable on said shaft; a lamp bracket carried by the tube; means to move the tube and lamp bracket axially of the axis of the tube; means to lock the tube and shaft together to prevent relative rotation; and means to lock the shaft and tube to a fixed part of the structure.

1,505,720. FREIGHT CAR. JAMES T. MCNALLY, Chicago, Ill. Filed Dec. 30, 1922. Serial No. 609,898. 5 Claims. (Cl. 20—30.)



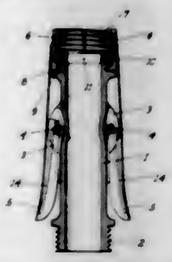
1. A structure of the class described including a closure member having its side edge portions abutting the inner faces of the jambs of a door opening, eyelets carried by the closure member and extending in a plane parallel with the adjacent side thereof, and fastening members having open hook shaped end portions for hooked engagement with the eyelets and provided with acute angled extended portions adapted to be driven into the jambs of the door opening.

1,505,721. BURGLAR ALARM. JOHN MANUEL, Buffalo, N. Y. Filed Dec. 23, 1921. Serial No. 524,362. 1 Claim. (Cl. 116—87.)



A burglar alarm adapted to be interposed between two relatively movable members of a building comprising a casing adapted to be mounted on one of said window members, a barrel arranged on said casing and having a seat adapted to receive a cartridge, a hammer pivoted on the casing and having a firing pit adapted to strike the cartridge, a spring adapted to move the hammer forwardly, a sear adapted to hold said hammer in its retracted or cocked position and provided with a trigger, a bracket mounted on the casing, a guide rod passing through said bracket and trigger and having a collar or abutment engaging said bracket, a spring surrounding said guide rod and interposed between said abutment and trigger, and a connection between said trigger and the other window member.

1,505,722. HOSE COUPLING. JOHN A. MERZ, Stockton, Calif. Filed Jan. 2, 1923. Serial No. 610,164. 1 Claim. (Cl. 285—150.)

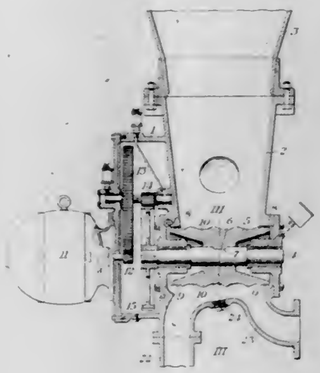


A coupling comprising the combination of a tubular body member, pivoted jaw member arranged to close around and beyond the end of the tubular body member to engage a fluid outlet, the tubular body having longitudinal slots cut in its end to receive gasket retaining elements and maintain them clear of the jaws as the latter move to closed position.

1,505,723. ROTARY FEED MEMBER. HENRY MUELLER, Pittsburgh, Pa., assignor to United Engineering & Foundry Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Jan. 26, 1923, Serial No. 614,561. Divided and this application filed Mar. 18, 1924. Serial No. 700,125. 5 Claims. (Cl. 83—44.)

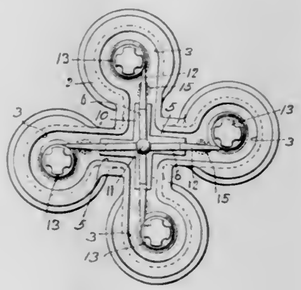
1. In apparatus for feeding pulverized fuel, a rotatable feeding member, means for supplying fuel to said member, and bearings for the end portions of said members.

said bearings engaging said end portions throughout a portion only of the peripheral surfaces of the latter, said end portions each being formed with a circumferential groove therein, said grooves being adapted to receive pul



verized fuel working in between the end portions of the member and the bearings and to discharge such fuel at the discharge side of the member, substantially as described.

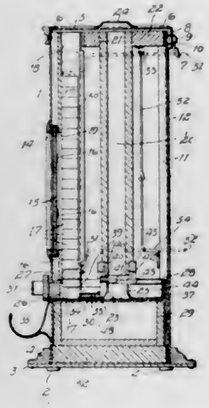
1,505,724. METHOD OF MOLDING. WILLIAM H. NICHOLS, Wilkinsburg, Pa. Filed Nov. 1, 1922. Serial No. 598,360. 7 Claims. (Cl. 22—199.)



1. The method of making a mold that comprises placing a pattern in a flask, laying a separate elongated pattern member upon said first-named pattern, filling said flask with sand, inverting said flask, removing said first-named pattern, and withdrawing said elongated pattern member by first moving said elongated pattern member lengthwise horizontally, and then lifting said member through the space left by said first-named pattern.

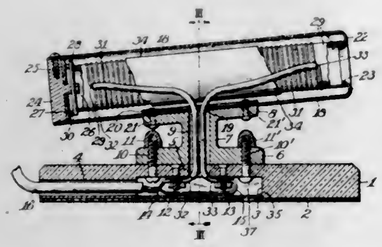
1,505,725. VENDING MACHINE. NICHOLAS OBRADOVITS, St. Louis, Mo. Filed Mar. 16, 1922. Serial No. 544,067. 2 Claims. (Cl. 194—58.)

1. In a vending-machine, the combination of a casing; a vertical package-chute and a vertical coin chute mounted parallel in said casing; a coin-receptacle in the lower portion of the casing; a delivery-slide having a coin-pocket and mounted beneath the lower ends of said package and coin chutes; a flexible lock-bar extending transversely of said delivery-slide and normally locking same and preventing its delivery-movement until said lock-bar is fixed upwardly by a coin that is located in said coin-pocket; and a horizontal coin-supporting bar carried by



said delivery-slide in the rear of said coin-pocket, to support the additional coins in said coin-chute when said delivery-slide is pulled out to make a delivery.

1,505,726. ELECTRICAL CURLING-IRON HEATER. AUGUST HENRY OPPERMAN, Indianapolis, Ind. Filed Sept. 16, 1922. Serial No. 588,546. 6 Claims. (Cl. 219—24.)

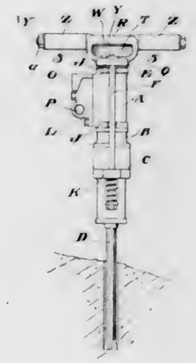


1. An electrical heater including a casing having a curved head on one end thereof and an annular collar extending from the head, a head removably secured in the opposite end of the casing, a hollow core having one end elastically embracing the collar and seated on a portion of the curved head, the opposite end of the core being flared and elastically supported on the removable head, and a heater coil on the core.

1,505,727. HANDLE FOR PERCUSSIVE TOOLS. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 13, 1921. Serial No. 477,189. 1 Claim. (Cl. 121—36.)

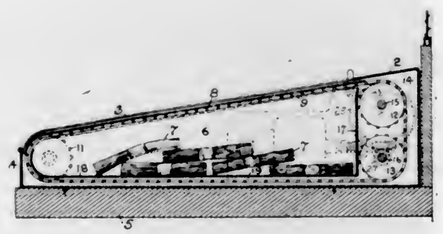
A handle for percussive tools, comprising in combination a cylinder, a back head and a hollow grip integral with said back head, said grip being completely closed at both ends and at one side by solid walls, the opposite side being open for the insertion of the fingers of an operator, and a strengthening rib extending longitudinally along the inside of the crown of the grip from end to

end, said grip being adapted to prevent the insertion of a turning implement through the handle from side to side, a removable handle bar extending longitudinally



through the grip, a portion of said handle bar lying beside the said rib within the grip and providing a convenient hand hold for the operator.

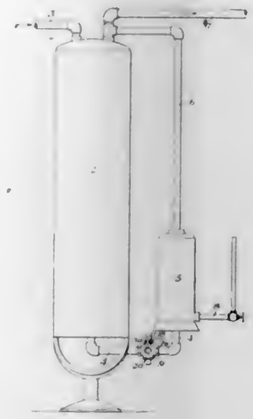
1,505,728. APPARATUS FOR PREVENTING THEFT. MATHEW RAYFORD, Philadelphia, Pa. Filed July 13, 1923. Serial No. 651,214. 8 Claims. (Cl. 109—1.)



1. In a protective device of the character stated, the combination of a cabinet in which the money or valuables may be placed, a movable closure for said cabinet, an electric motor and connecting means for moving the closure from open to closed position, a source of electric energy, circuits leading from the source of energy to the motor, a manually controlled switch in the circuit for putting the motor into operation, and means for arresting the movement of the closure when it has been brought to its closed position.

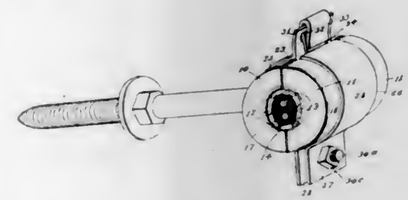
1,505,729. WATER-HEATING APPARATUS. FREDERICK W. ROBERTSHAW, Pittsburgh, Pa. Filed Nov. 23, 1921. Serial No. 517,223. 14 Claims. (Cl. 126—362.)

13. In water treating apparatus, a tank, a heater, circulating connections therebetween, and a three-way valve in one of said connections, said valve having a constantly open relief opening formed therein and extending



therethrough, said opening permitting a flow from the tank to the heater in the normal direction irrespective of the position of the valve, substantially as described.

1,505,730. INSULATOR AND SUPPORT THEREFOR. HERBERT O. ROCKWELL, New Britain, Conn., assignor to Brady Electric & Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 3, 1922. Serial No. 549,347. 6 Claims. (Cl. (173—314.)

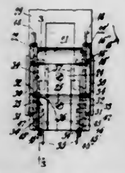


1. A self-draining and ventilating insulator for holding an insulated wire or cable, comprising in combination, a pair of interfitting complementary sections adapted to enclose said wire or cable, each of said sections being provided with a plurality of wire engaging longitudinal ribs on its inner surface to grip the insulated wire or cable and adapted to permit drainage and ventilation thereof, said sections being adapted to be held together by a clamp.

1,505,731. CLOTH FOLDER FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed May 9, 1918. Serial No. 233,471. 4 Claims. (Cl. 112—123.)

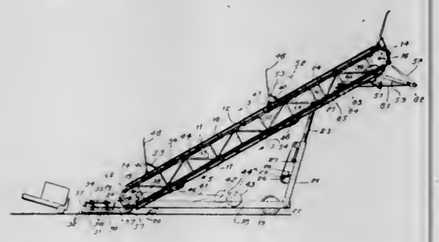
1. In a two-needle zig-zag sewing machine a presser foot having laterally elongated openings through which the needles are adapted to reciprocate, first at one end of such openings and then at the other, and provided with folders located close to said openings at the forward side thereof, said folders having operating ends which project downwardly from the presser foot and have outer faces oblique relatively to the line of feed, the oblique

faces of the two folders converging forwardly, and the rear ends of said surfaces being substantially in longitudinal alignment with the inner positions of the re-



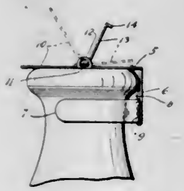
spective needles, and cutting devices located forwardly of said folders, and having their lines of action between the lines of action of the folders.

1,505,732. CONVEYER. FRED L. SIMON, Baltimore, Md. Filed July 24, 1923. Serial No. 653,588. 12 Claims. (Cl. 198—157.)



10. In a conveyer, the combination with means for supporting articles at a slight distance from a floor, a boom, and a conveying element on said boom, of carrying fingers pivotally mounted on said element, means for introducing said fingers endwise between said floor and article, means for moving said fingers bodily with said element in order to transport said article, means for moving said fingers into position to be introduced between said floor and article, means for locking said fingers in said position and means for unlocking said fingers.

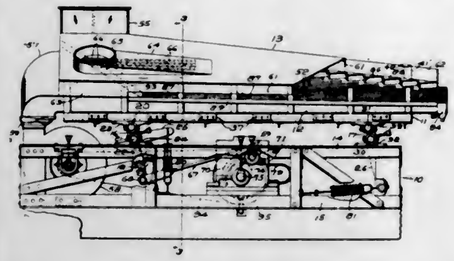
1,505,733. BOTTLE CLOSURE. JOHN F. SLAPKA, Chicago, Ill. Filed June 14, 1923. Serial No. 645,439. 6 Claims. (Cl. 215—63.)



1. A bottle closure comprising a cover plate to rest on top of the bottle mouth; a spring clamp below said plate to embrace the bottle neck below a bead thereon, said clamp and plate converging toward each other; and a swinging lid on said cover plate, substantially as described.

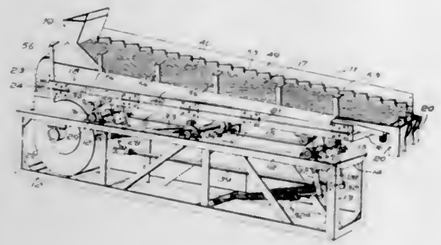
1,505,734. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 12, 1922. Serial No. 551,935. 12 Claims. (Cl. 83—54.)

3. A concentrator, comprising a deck having spaced transversely extending channel bars adapted to support the material supporting surface of the deck, a composite deck surface upon said bars and formed of a multiplicity of apertured surface channels trough-shaped in cross-section and secured side by side upon the channel bars to form a material supporting deck surface which will remain free from local vibrations during the operation of the



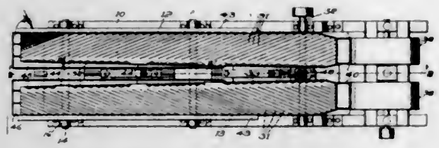
deck, and spaced partitions, extending longitudinally of the deck below the channel bars to support these bars and adapted to form longitudinally extending air chambers below the deck surface.

1,505,735. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 12, 1922. Serial No. 551,936. 15 Claims. (Cl. 83—54.)



1. A concentrator comprising, in combination, a deck supported at a transverse inclination and having a deck surface constructed to form a series of waves extending in a transversely inclined direction across the deck, riffles extending over the wavy surface of the deck across the waves and in an inclined direction from one side of the deck to the other, means for delivering the materials to be treated to the deck surface, and means for moving the deck to impart movement to the materials along the inclined riffles so that they will be directed by the riffles over the waves and toward the upper side of the deck.

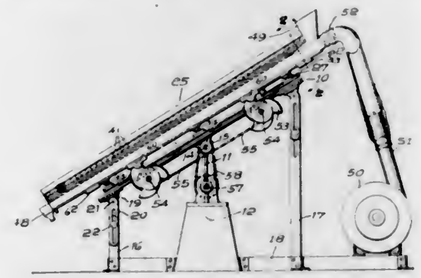
1,505,736. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 2, 1922. Serial No. 557,947. 13 Claims. (Cl. 83—88.)



1. A concentrator table comprising in combination, a supporting frame, a pair of separate long narrow decks independently mounted upon said frame in spaced substantially parallel relation, means for supporting the decks at a transverse inclination, each deck having a stepped concentrate wall extending along its upper side and riffles extending diagonally across the deck to direct the heavier materials against the concentrate wall for retreatment, and means for vibrating the deck to promote

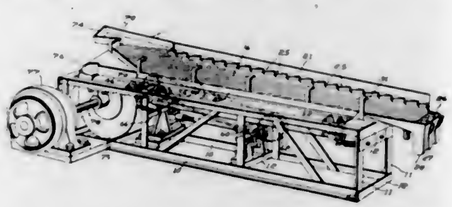
travel of materials lengthwise of the deck, the supporting frame and decks constituting a concentrator table having the capacity of a concentrator table provided with a single wide deck while affording substantially twice the number of riffles for directing materials against concentrate walls as a single deck.

1,505,737. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 19, 1922. Serial No. 562,124. 13 Claims. (Cl. 83—54.)



1. A concentrator table comprising in combination, a deck frame supported at a longitudinal inclination, a pair of decks supported by the frame at a longitudinal inclination to promote travel of materials lengthwise of the decks, means for supporting the decks for movement transversely upon the frame to bump against each other to move the materials laterally, and riffles for directing the heavier materials diagonally across the decks.

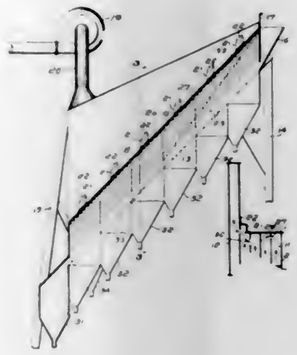
1,505,738. TABLE CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,564. 16 Claims. (Cl. 83—54.)



14. A deck for a concentrator table having a composite deck surface formed of a multiplicity of individual trough-shaped surface-channels each consisting of a perforated bottom and spaced upstanding sides, said surface-channels being secured side by side so that their bottoms form the composite deck surface and the abutting upstanding sides form riffles that are integral with the perforated deck surface, a concentrate wall at one side of the deck and against which the materials are directed by the riffles, and the surface-channels being bent at intervals along their length with zigzag effect to produce zigzag riffles which cause the materials traveling along the riffles to pile up at the bends in the riffles.

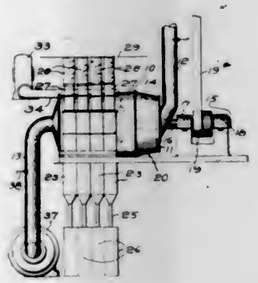
1,505,739. PNEUMATIC SIZER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,872. 11 Claims. (Cl. 83—54.)

1. A pneumatic sizer comprising in combination, an apertured surface arranged to have materials passed thereover, a casing having a separating chamber extending upwardly from the surface, means for delivering materials to be separated to the surface, means for producing air currents passing upwardly through the apertures of the surface into the chamber, averaging partitions arranged within said chamber transversely of the surface and extending downwardly toward the surface to direct



the air entering the apertures upwardly between the adjacent partitions, and collecting chamber communication with the separating chamber.

1,505,740. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 11, 1922. Serial No. 551,595. 5 Claims. (Cl. 83—54.)

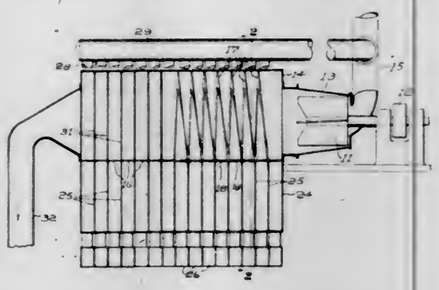


1. A concentrator comprising, in combination, a drum having a discharge slot extending longitudinally of a wall thereof, means for delivering air carrying the materials to be treated into the drum to travel lengthwise thereof with a whirling movement that the heavier particles may be thrown outwardly by centrifugal force toward the walls of the drum and pass outwardly through the slot, receptacles arranged along said slot to receive the materials discharged through different portions thereof, and means for discharging from the receptacles the air that enters said slots, comprising upwardly extending conduits provided with porous covers for arresting the particles within the air.

1,505,741. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed June 30, 1922. Serial No. 572,046. 7 Claims. (Cl. 83—54.)

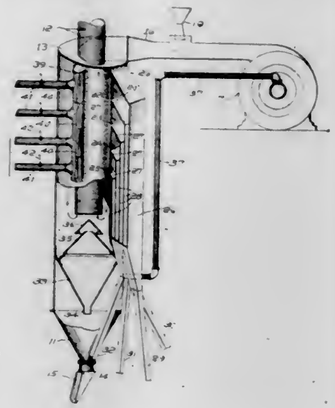
1. A concentrator comprising in combination, a substantially cylindrical casing having a relatively wide discharge slot extending longitudinally of a side wall thereof, a fan at one end of said casing for forcing air bearing the materials to be treated centrally through the casing with a longitudinal whirling movement that

throws the heavier particles outwardly by centrifugal force through said slot, and an air nozzle for directing



jet of air inwardly through said slot and in a direction to deflect the lighter materials approaching the slot inwardly away from the slot.

1,505,742. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 11, 1922. Serial No. 551,596. 16 Claims. (Cl. 83—54.)



1. A concentrator comprising, in combination, an upright drum having a material discharge slot extending a substantial distance lengthwise of a side wall thereof, a tube mounted centrally within the drum and extending through an end thereof for conducting from the drum air from which the heavier particles have been removed, means for delivering air bearing the materials to be treated into the drum at an end thereof with a whirling movement around said tube and lengthwise of the drum to throw outwardly by centrifugal force the heavier particles so that they will travel around the drum adjacent the wall thereof and escape from the drum through said slot in the direction in which the particles are whirling, a lip at said slot and extending in a direction to direct the whirling materials through the slot, and means for forcing an additional supply of air into the drum through a side wall thereof and in the form of a jet to deflect from said slot the lighter materials that may approach the slot.

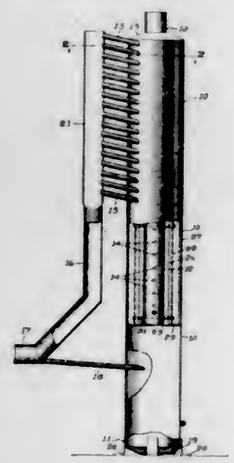
1,505,743. SEPARATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,975. 8 Claims. (Cl. 183—79.)

1. A separator for removing liquid from a gaseous fluid, comprising in combination, a drum having an annular chamber therein, means for passing the gaseous fluid to be treated through the annular chamber, and an apertured screen within the annular chamber and having lips extending from one side thereof to space the



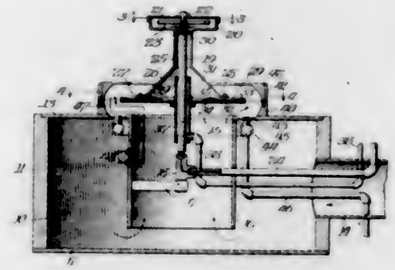
screen from a wall and having lips extending from the opposite side into the path of the fluid to arrest the liquid within the fluid.

1,505,744. SEPARATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Oct. 27, 1922. Serial No. 597,377. 9 Claims. (Cl. 183—83.)



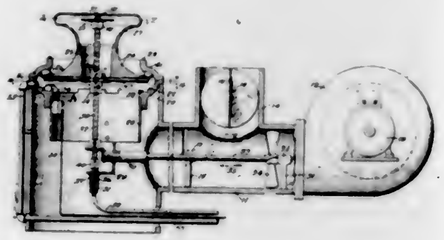
1. A separator for removing liquid from a gaseous fluid, comprising in combination, a container, a tube extending longitudinally within said container and having apertures for the passage of fluid from the container into the tube, a perforated plate surrounding the tube in spaced relation thereto and having a smooth outer surface and inwardly extending lips, means for delivering the gaseous fluid to be treated into the container with a whirling movement about the perforated plate so that the fluid may whirl freely in the space between the perforated plate and container and upon passing through the perforations toward the tube will deposit liquid upon said lips.

1,505,745. OIL BURNER. CARL E. STROMQUIST, Chicago, Ill., assignor to Frank A. Lundquist, Chicago, Ill. Filed Mar. 31, 1922. Serial No. 548,295. 12 Claims. (Cl. 158—64.)



1. In a device of the class described, a pair of disks supported adjacent to each other so that their faces at the edges will be separated by a small space, washers between said disks near their edges and serving to determine the size of the space therebetween, means for conveying a gas into the space between the disks and discharging it in a thin sheet thru said small space at the edges, and means for conveying a current of air past the edges of said disks in a direction perpendicular to the flow of gas from between the disks.

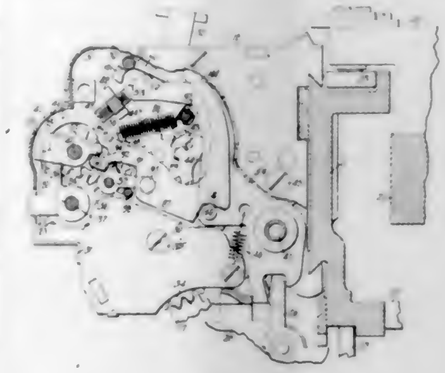
1,505,746. OIL BURNER. CARL E. STROMQUIST, Chicago, Ill., assignor to Frank A. Lundquist, Chicago, Ill. Filed July 3, 1922. Serial No. 572,494. 8 Claims. (Cl. 158—77.)



2. In an apparatus of the class described, an annular chamber, a disk located in said chamber, means for causing a current of air to flow thru said chamber and around the edges of said disk, a gas generator, means for conveying gas and unvaporized oil from the generator to and over said disk to the current of air, and devices by which the current of air causes said disk to rotate.

1,505,747. COMPUTING MACHINE. ROBERT H. STROTHER, Montclair, N. J., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 4, 1924. Serial No. 690,308. 19 Claims. (Cl. 235—59.)

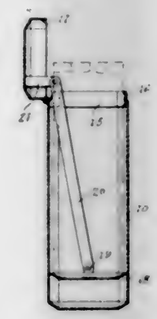
1. In a computing machine, the combination with registering mechanism, of clearance proof mechanism including a signal to indicate not clear, a feeler, a floating lever, and means for operating and controlling said



lever, said lever acting to operate said feeler if the register is clear but if the register is not clear taking a fulcrum on said feeler and thereby operating said signal

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1,505,748. CIGARETTE CASE. LOUIS TAMIS, New York, N. Y., assignor to Schanfein & Tamis, New York, N. Y., a Firm composed of Bernard Schanfein and Louis Tamis. Filed Mar. 26, 1924. Serial No. 701,885. 1 Claim. (Cl. 206—41.)

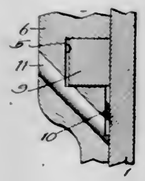


A container comprising a body with bevelled corners, a cover hingedly secured to said body, arms rigidly carried by said cover, a tray contained within said receptacle and located adjacent the bottom wall thereof, links pivotally connected to said tray and to said arms, said links adapted to contact with the bevelled edges of the body of the receptacle and bring the cover to a gradual stop as it approaches its open position, resilient means tending to move said cover to its open position, and a fastener carried by said cover and the body of the receptacle and holding said lid in a closed position.

1,505,749. RECIPROCATING MECHANISM. DANIEL C. TEETOR, Indianapolis, Ind. Filed Aug. 23, 1922. Serial No. 583,728. 1 Claim. (Cl. 74—108.)

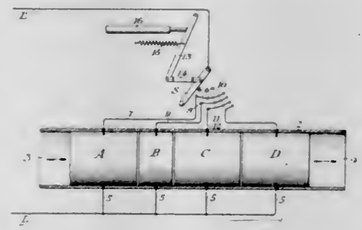
The combination with a cylinder; of a hollow piston therein formed with a piston ring receiving groove; and a piston ring in said groove, said groove having an ex-

terior circumferentially extending extension upon one side of the piston ring, said piston having a passage formed therethrough that has communication with said groove independently of the groove extension and with the groove



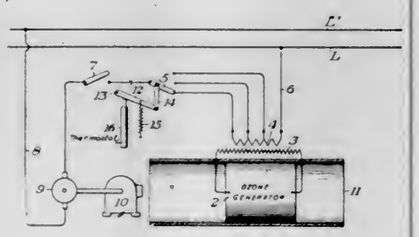
extension independently of the groove to establish communication between its interior and the piston ring receiving groove and also between said piston interior and the aforesaid groove extension.

1,505,750. OPERATION OF OZONE MACHINES. JAMES TODD, Sewickley, Pa., assignor to Alexander C. Tener, trustee, Pittsburgh, Pa. Filed June 10, 1922, Serial No. 567,483. Renewed May 29, 1924. 6 Claims. (Cl. 204—32.)



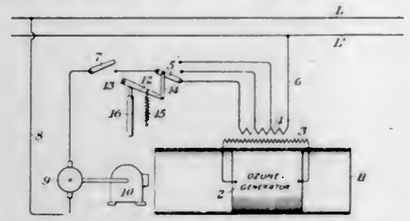
1. In the manufacture of so-called ozonized air, the step consisting of varying the effective electrode area of an ozonizer according to the temperature of the atmosphere, substantially as described.

1,505,751. MANUFACTURE OF OZONIZED AIR. JAMES TODD, Sewickley, Pa., assignor to Alexander C. Tener, trustee. Filed June 10, 1922, Serial No. 567,484. Renewed Feb. 23, 1923. 7 Claims. (Cl. 204—32.)



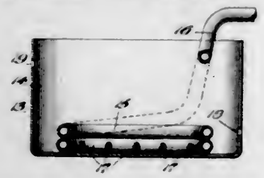
1. In the manufacture of so-called ozonized air, the step consisting of varying the effective voltage delivered to an ozonizer according to the temperature of the atmosphere, substantially as described.

1,505,752. MANUFACTURE OF OZONIZED AIR. JAMES TODD, Sewickley, Pa., assignor to Alexander C. Tener, trustee for James Todd, jr. Filed Aug. 25, 1923. Serial No. 659,419. 13 Claims. (Cl. 204—32.)



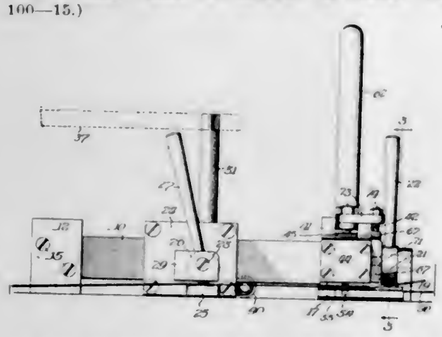
1. In the manufacture of so-called ozonized air, the step consisting of varying the effective voltage delivered to an ozonizer according to the temperature of the atmosphere, substantially as described.

1,505,753. OIL BURNER FOR HEATERS. PETER TOTI, Philadelphia, Pa. Filed Dec. 11, 1923. Serial No. 679,922. 2 Claims. (Cl. 158—63.)



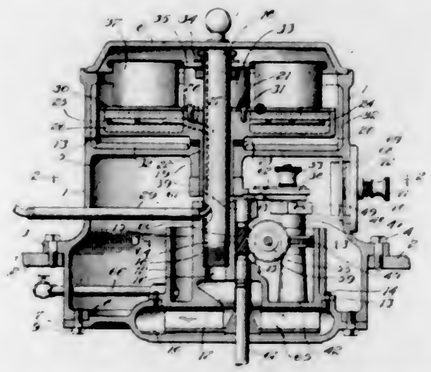
1. The combination with a heating plant including a furnace having a grate, of an oil burner comprising an elongated, imperforate wall open top receptacle adapted to seat on said grate, a gravity oil feed pipe extending through the wall of said furnace and down in said receptacle, said pipe terminating in a pair of convolutions conforming to the wall of the receptacle with the lower convolution resting on the bottom of said receptacle, said lower convolution having a plurality of inwardly and upwardly extending oil discharge outlets, and a pair of air inlets located respectively at opposite ends of said receptacle, one of said inlets being in close proximity to the bottom of the receptacle and the other in close proximity to the top edge thereof, whereby complete combustion is promoted and smoke and noise eliminated.

1,505,754. STRAP-ACTUATING APPLIANCE. SAMUEL J. TURNER, deceased, late of Chicago, Ill., by Otto Rabe and The Northern Trust Company, executors, assignors of one-half to said Otto Rabe, Wilmette, Ill. Filed Jan. 19, 1920. Serial No. 352,510. 12 Claims. (Cl. 100—15.)



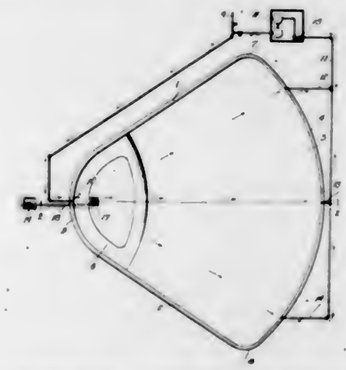
1. In an appliance of the character described, the combination of means to tighten a strap around the body to be confined thereby, means to lock overlapped parts of the tightened strap together, means to sever the used section of the strap from its stock supply, and operating means common to said locking and severing means, substantially as described.

1,505,755. APPARATUS FOR DETERMINING THE MOISTURE CONTENT OF BUTTER AND THE LIKE. THEODORE L. VALERIUS, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 23, 1921. Serial No. 517,195. 7 Claims. (Cl. 23—8.)



1. In apparatus of the class described the combination of a casing having a vacuum chamber, a movable hot plate mounted in said chamber, means for heating the hot plate, and mechanism for causing said hot plate to vibrate.

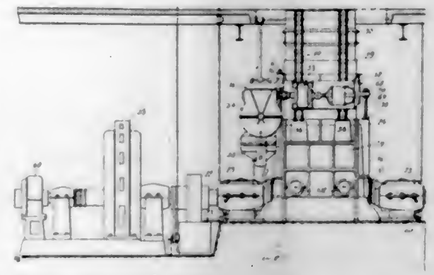
1,505,756. BATHING POOL. ELMER C. L. WAGNER, Kansas City, Mo. Filed June 3, 1924. Serial No. 717,471. 4 Claims. (Cl. 4—172.)



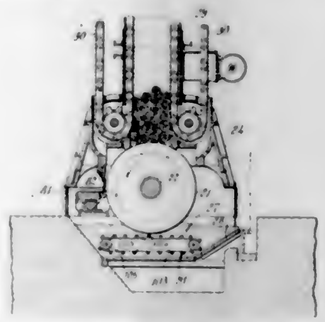
1. A swimming pool comprising a fan-shaped structure having its greatest depth at the narrow portion of the pool.

1,505,757. APPARATUS FOR GRINDING WOOD PULP. JOHN J. WARREN, Brownville, N. Y. Filed Oct. 14, 1922. Serial No. 594,501. 34 Claims. (Cl. 83—75.)

1. A wood pulp grinder of the magazine type comprising the combination of a grindstone, a magazine of substantial height in comparison with the diameter of the grindstone, mounted above the grindstone, endless feed chains designed to move in a plane parallel to the plane of rotation of the grindstone along substantially the entire length of the magazine, means carried by the chains to positively grip the wood along its sides and continuously force it against the grindstone, and driving sprockets for the chains situated so closely adjacent the grindstone that the wood cannot arch or jam in the lower end of the magazine.

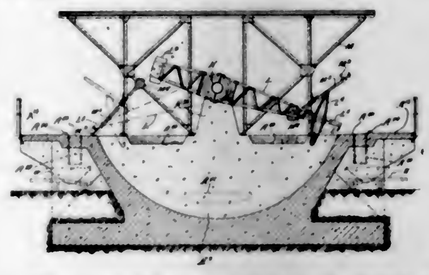


1,505,758. METHOD OF AND APPARATUS FOR CONTROLLING THE PULP IN THE PIT OF A WOOD-PULP GRINDER. JOHN JAMES WARREN, Brownville, N. Y. Filed Mar. 4, 1924. Serial No. 696,782. 9 Claims. (Cl. 83—75.)



1. In a wood-pulp grinder, the combination of a grindstone, a pit beneath the grindstone for receiving the ground pulp, and means in the pit for agitating the pulp and keeping it of substantially uniform consistency.

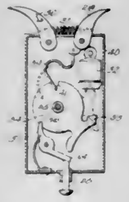
1,505,759. APPARATUS FOR AND METHOD OF DECANTATION. LOUIS WILPUTTE, New Rochelle, N. Y., assignor of two-thirds to Allec A. Wilputte, New Rochelle, N. Y. Filed Oct. 24, 1918. Serial No. 259,492. 6 Claims. (Cl. 196—1.)



1. The combination with a settling tank divided into a series of communicating compartments arranged side by side and having curved bottom walls, and an inlet

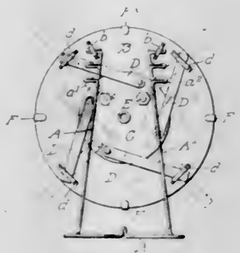
connection opening to the tank at one end and an outlet connection from the tank at the opposite end of the series of compartments, of a shaft journaled above the tank and cleaning devices carried by the shaft, one for each of said compartments and each caused to sweep along the bottom wall of the corresponding compartment by the rotation of said shaft.

1,505,760. BURGLAR ALARM. ARTHUR P. ABBOTT, Dexter, Me. Filed Jan. 11, 1924. Serial No. 685,662. 2 Claims. (Cl. 116—77.)



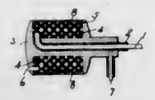
1. A burglar alarm adapted to be mounted in the side way of the lower sash of a window frame, comprising a body, a pair of pivotally mounted spurs carried by said body adapted to be forced into the window frame and into the upper sash, spring means for holding said spurs in operative position a sounding device carried by the body, and a reciprocating member for releasing said sounding device, said reciprocating member pointing downwardly toward the upper bar of the lower sash whereby when the upper sash is moved downwardly, the entire device will be forced downwardly and the reciprocating member will engage with the lower sash and when the lower sash is raised upwardly the same will move said reciprocating member for releasing said sounding device.

1,505,761. SIGN HOLDER AND DISPLAY RACK. JOHN Q. ADAMS, Columbus, Ohio. Filed Nov. 10, 1923. Serial No. 674,091. 8 Claims. (Cl. 211—24.)



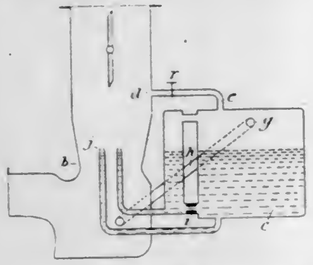
3. In combination, a sign holder comprising a supporting base having upright arms spaced apart and having means thereon for connection with a sign board mounted on the free ends of said uprights, said sign board carrying a centrally disposed revoluble disk-like device having a plurality of slide bars pivoted thereto at their inner ends and extending through eye pieces or clips carried by the sign board, and having their outer ends adapted to contact with a tire surrounding the sign board, and means for securing said rotatable device in different positions.

1,505,762. IGNITION DEVICE. JOHN HALL BARNARD, Brooklyn, N. Y. Filed Sept. 10, 1921. Serial No. 499,681. 12 Claims. (Cl. 219—38.)



1. A resistance element composed of two concentrically disposed materials, of which at least one affords a relatively high value for the product of the respective coefficients of specific gravity and specific heat.

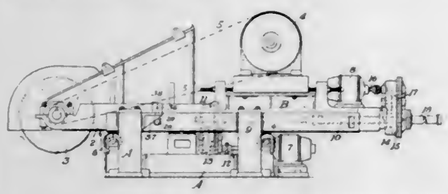
1,505,763. CARBURETOR. FRANÇOIS BAVEREY, Lyon, France, assignor to Societe du Carburateur Zenith, Lyon, France. Filed Oct. 23, 1917. Serial No. 198,176. 7 Claims. (Cl. 261—72.)



1. A carburetor, comprising a carbureting passage, fuel supply means in said passage, a throttle valve therein, a constant level fuel chamber, a sunken jet for supplying fuel from the chamber to one of said supply means in the carbureting passage, a connection from the top of the constant level chamber to the carbureting passage at a point between the fuel supply means and the throttle valve, a connection from the top of the constant level chamber to the atmosphere through the carbureting passage, and means for regulating the connection between the top of the constant level chamber and the carbureting passage, substantially as described.

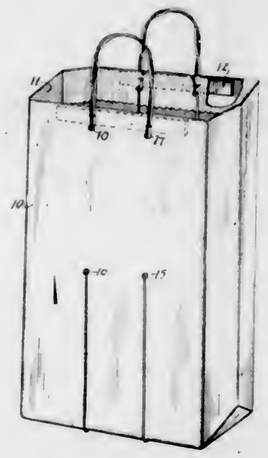
4. A carburetor having a float chamber, a carbureting passage, a fuel jet, means to communicate to the float chamber a pressure corresponding to that of the air intake of the carburetor, means to communicate the same pressure to the fuel jet and means to communicate a different pressure to the float chamber to modify the pressure condition maintained by said first recited pressure communicating means, substantially as described.

1,505,764. TOOL CONTROL. FLORENCE C. BIGGERT, Jr., Crafton, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1923. Serial No. 633,631. 13 Claims. (Cl. 29—69.)



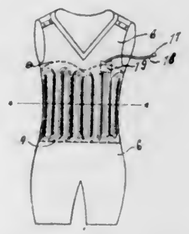
1. In mechanism of the character described, a movable tool-actuating member, means for moving said member in one direction to advance the tool and in the opposite direction to retract the same, and means automatically operated upon unintentional movement of said member in either direction for causing said first mentioned means to move said member in the opposite direction, substantially as described.

1,505,765. BAG. RALPH BROWNSON, Hastings, Minn. Filed Dec. 10, 1923. Serial No. 679,611. 4 Claims. (Cl. 229—54.)



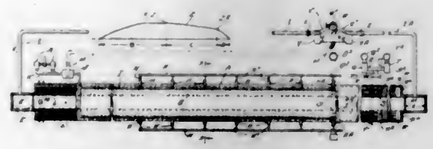
1. In combination with a bag, bracing means connected to the upper portion of the bag, parallel cords extending through openings in the walls of the bag and around the bottom thereof, handles formed by looping the upper portion of the cords on each side of the bag in opposite directions to be coextensive, a bent portion in each end of each cord supported by the bracing means, and means for fastening the cords to the bracing member and to the bag at each point of crossing of the bracing member by the cords.

1,505,766. BATHING SUIT. JAMES M. COMBS, Akron, Ohio. Filed May 23, 1921. Serial No. 471,730. 4 Claims. (Cl. 9—20.)



1. In a garment of the class described, a waist portion having an outer and an inner wall, a seam joining said walls at the upper extremity of said waist portion, a seam joining said walls at the lower extremity thereof, said walls further joined by a circumferentially extending series of vertical seams which alternately terminate in spaced relation from opposite extremities of said waist portion, to form a continuous pocket and an inflatable tube in said pocket.

1,505,767. TUNNEL KILN AND METHOD OF OPERATING SAME. PHILIP D'H. DRESSLER, Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed July 9, 1920, Serial No. 394,985. Renewed Sept. 12, 1923. 9 Claims. (Cl. 25—142.)



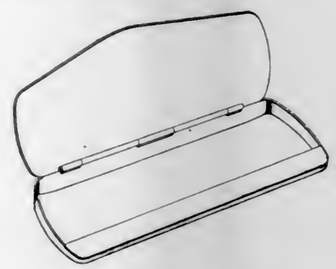
1. In a continuous tunnel kiln, the combination with the kiln chamber, of means for supplying heat to a heating up and high temperature zone of the kiln chamber and means for regulating the temperature in another zone of the kiln chamber comprising conduits extending along said last mentioned zone, and means for passing either a heating medium or a cooling medium through said conduits.

1,505,768. TUNNEL KILN AND METHOD OF OPERATING SAME. PHILIP D'HUC DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed July 26, 1923. Serial No. 653,892. 18 Claims. (Cl. 263—28.)



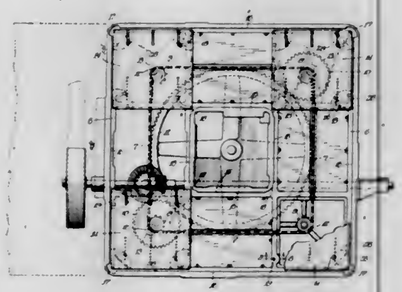
1. The method of operating a tunnel kiln which consists in maintaining a high temperature zone, an initial cooling zone and a slow cooling or low temperature soaking zone in the order stated between the entrance and exit ends of the kiln by exerting a cooling effect on the rapid cooling zone portion of the kiln and supplying heat to the kiln chamber in each of the other of said zones.

1,505,769. EYEGLASS CASE AND PROCESS OF MAKING THE SAME. RICHARD M. DUGDALE, Jamaica Plain, Mass., assignor to Farrington Manufacturing Company, Jamaica Plain, Mass., a Corporation of Maine. Filed Mar. 10, 1924. Serial No. 698,061. 11 Clauses. (Cl. 206—5.)



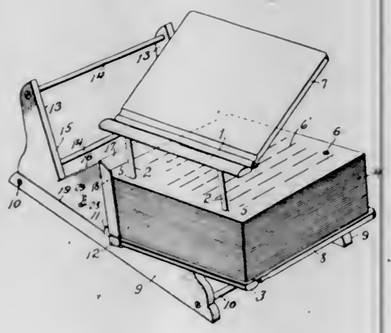
1. A receptacle comprising a hollow body of rigid, ductile sheet material having a base and an integral curved rim wall and an integral lip extending across a curved portion of the rim wall over a part of the chamber of the body.

1,505,770. GUIDE MECHANISM. SAMUEL ELDER, Washington, D. C., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 27, 1923. Serial No. 659,494. 10 Claims. (Cl. 101—139.)



1. A movable member, guide grooves formed in said member, supporting means for said member, means adapted to move said member through a closed path, and guide members carried by the supporting means adapted to coact with the guide grooves in said movable member to guide it during change of direction of movement.

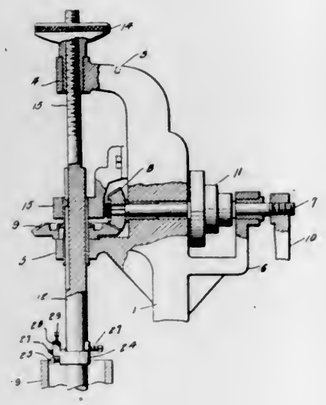
1,505,771. POSTING MECHANISM. CHARLES R. FARGO and PAUL O. UNGER, Kansas City, Mo., assignors to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Feb. 21, 1920. Serial No. 360,503. 7 Claims. (Cl. 129—12.)



1. In a posting mechanism, a support for a clamping member of a binder, and leaf-registering means arranged to engage two adjacent edges of each of a plurality of loose leaves carried on said member, said support having means for properly positioning said clamping member, said registering means being movable to and from the registering position in a direction parallel with the central vertical longitudinal plane of said clamping member.

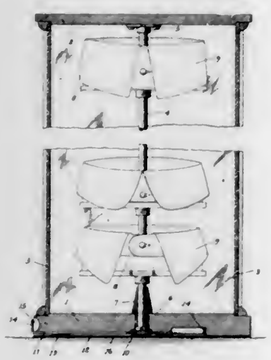
1,505,772. CYLINDER-BORING MACHINE. ROBERT C. FARTHING, Paducah, Ky. Filed Aug. 23, 1923. Serial No. 658,993. 3 Claims. (Cl. 77—58.)

1. A boring tool of the character specified including a boring shaft, a tool holder including a sleeve mounted upon the boring shaft, and a set screw mounted in the sleeve and passing through the shaft for securing the



tool holder to the shaft and also operating to adjust the tool.

1,505,773. COLLAR-DISPLAY CASE. JOHN J. FINK and OTTO ZSCHUNKE, Lodi, Calif. Filed Feb. 20, 1923. Serial No. 620,164. 4 Claims. (Cl. 211—21.)

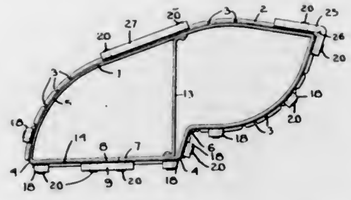


1. A display device for merchandise including a fixed base, a vertical shaft turnably mounted thereon, merchandise supporting members mounted on the shaft, a pinion on the shaft, a rack slidably mounted in the base and engaging the pinion, one end of the rack projecting beyond the base, and a finger grip on the rack at said outer end.

1,505,774. CUTTING DIE AND PROCESS OF MAKING THE SAME. WILLIAM H. J. FITZGERALD, Braintree, Mass. Filed Apr. 3, 1923. Serial No. 629,733. 13 Claims. (Cl. 164—29.)

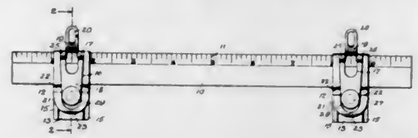
1. A cutting die comprising a body of thin metal bent to cause one of its walls to conform to the contour of

the pattern to be cut, having an integral rib extending longitudinally of said body and recessed at the bent por-



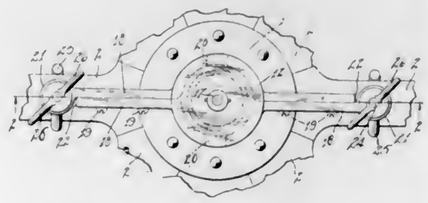
tions of said body to prevent lateral and torsional strains upon said body and means for securing the ends of said body together.

1,505,775. PUNCH. GEORGE PHILIP GAIL, Baltimore, Md., assignor to The Gail Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Dec. 15, 1922. Serial No. 607,168. 6 Claims. (Cl. 81—119.)



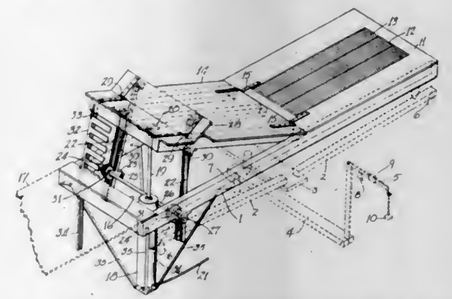
1. A punching device comprising a base having an apertured end, a leaf having a longitudinal slot connected to the non-apertured end of the base and overlying the same in a substantially parallel plane thereto, a resilient arm connected to said nonapertured end of the base, normally projecting upwardly at an inclination thereto and movable through the slot in said leaf, a punch plug carried by the free end of said arm adapted upon depression of the arm, to cooperate with the aperture for perforating a sheet inserted between the leaf and the base, the said leaf constituting a stripper member adapted to strip the sheet from the punch plug upon upward movement of the arm therethrough.

1,505,776. LUBRICATING DEVICE. GEORGE H. GLADE, Jr., Chicago, Ill. Filed Mar. 8, 1923. Serial No. 623,764. 2 Claims. (Cl. 64—27.)



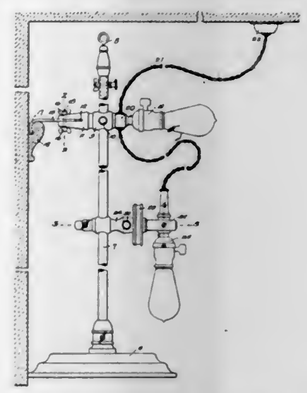
1. The combination with a wheel hub having an open outer end, of a cup-shaped member, a gasket disposed on the peripheral outer edge of said cup-shaped member, a cross piece pivotally connected intermediate its length to said cup-shaped member, a pair of clamping members disposed at each end of said cross piece arranged for clamping the vehicle wheel adjacent the hub, whereby said cup-shaped member may be drawn into close contact with said hub, and the gasket thereon may seal the connection between said cup-shaped member and the open outer end of said hub, and means for introducing lubricant under pressure to said cup-shaped member.

1,505,777. WAGON AND TRUCK DUMP. WILLIAM GEORGE HANCOCK and LEONARD T. STROMSWOLD, Minot, N. Dak., assignors to Magic Grain Dump Company, Minot, N. Dak., a Corporation. Filed Feb. 16, 1922. Serial No. 537,019. 4 Claims. (Cl. 214—49.)



1. A device of the type described comprising a frame having a swingable platform and a guard connected to the free end of said platform, guide members carried by said frame and being adapted to receive and to guide the free end of said guard, said guard being adapted to extend between said swingable platform and said frame when said platform is in raised position.

1,505,778. LIGHTING FIXTURE. ALFRED HANSEN, Globe, Ariz. Filed Sept. 20, 1923. Serial No. 663,836. 2 Claims. (Cl. 240—53.)

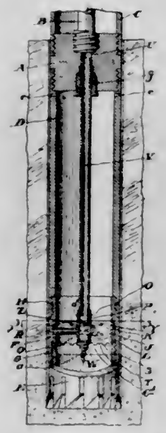


1. In a portable lamp fixture, a base for supporting the fixture on a table or other support and capable of engagement with a wall, a standard extending from said base, a lamp carrying bracket adjustable longitudinally of said standard and having a bifurcated head at one end, a moulding engaging clamp adjustably mounted in the bifurcated end of said head and having moulding engaging portions at its free extremity, and means extending transversely through said head and said clamp for securing the latter in adjusted positions in said head.

1,505,779. SOIL-SAMPLING TOOL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,749. 4 Claims. (Cl. 255—68.)

1. A soil coring tool comprising in combination, a core barrel, a water tube therein, a cutting bit adapted to cut a core of material and an intermediate removable conveyor secured between said core barrel and bit, said con-

veyor, being rotatable with the core barrel and adapted to break up the core of drilled material; permit ingress of the broken material to the core barrel, and prevent egress

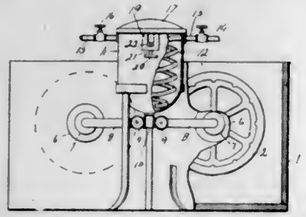


therefrom during the drilling, and passages in said conveyor adapted to conduct liquid from the water tube to the exterior of the core barrel.

1,505,780. SOIL-SAMPLING TOOL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,750. 1 Claim. (Cl. 255—68.)

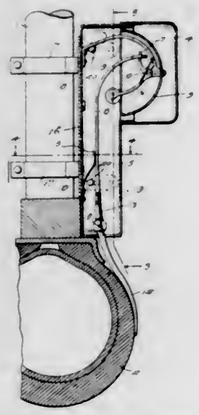
A soil coring tool comprising an outer rotatable core barrel, a relatively non-rotatable inner core barrel, a bit adapted to cut a core of material and a removable intermediate secton between said outer core barrel and bit, said section being interchangeable with the bit for attachment to the outer core barrel, a conveyor located in said removable section adapted to enclose the bottom of said inner core barrel, said conveyor comprising a spiral blade disposed about the longitudinal axis of the tool and rotatable with the outer core barrel and bit and having a cutter for breaking up the core of material as the drilling progresses, said blade commencing at said cutter and terminating at a point substantially above the point of commencement, whereby a radial entrance opening is formed between said points, a closure for said opening comprising a shutter hingedly secured to the upper end of the spiral blade substantially at the end thereof and adapted to meet the lower end of the blade substantially at the point of commencement of the spiral and rearwardly of the cutter, said shutter being disposed at an angle to the longitudinal axis when seated over said entrance opening, and a screw projecting downwardly from said conveyor for maintaining intimate contact between the cutter and the core during rotation of the drill, said shutter being adapted to permit entrance of the drilled material into the casing during rotation of the outer core barrel and to prevent passage of the material out of the inner core barrel when rotation ceases.

1,505,781. DYEING APPARATUS. LUCIEN P. HART, Philadelphia, Pa. Filed June 6, 1919. Serial No. 302,200. 6 Claims. (Cl. 8—17.)



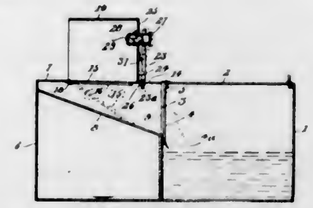
1. A dyeing apparatus comprising in combination, a tank to contain a dye liquor, a hollow perforated shaft journalled in said tank, an imperforate open ended cylinder on said shaft to revolve therewith and house the perforated portion thereof, and means for introducing dyeing material under steam pressure to the perforated shaft.

1,505,782. TIRE-DEFLATION ALARM. LYNDON F. HARTSELL, Cameron, N. C. Filed Sept. 27, 1923. Serial No. 665,170. 2 Claims. (Cl. 116—34.)



2. In a tire alarm, a bell, a hammer therefor, a bracket mounting the bell and to which the hammer is pivoted, a spring fastened to the bracket and hammer normally exerting a force upon the hammer to hold it clear of the bell and to bring it in contact with the bell when moved from a given position to a point beyond the pivot of the hammer, said hammer having an arm, a lever engaging said arm, a tire-operable arm, said lever and last mentioned arm having a common axis, a spring extending across the joint formed between the lever and last mentioned arm and secured to one of said parts and being in engagement with the other of said parts, and a return spring engaging the lever.

1,505,783. RAT TRAP. OWEN HARTY, Dante, S. Dak. Filed Oct. 11, 1923. Serial No. 667,993. 1 Claim. (Cl. 43—70.)



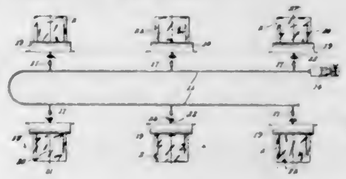
In a trap of the class described, a pair of communicating casings, one containing water and having a non-return entrance thereto, an entrance hood on the other casing, a trap door interposed between the hood and casing supporting the same, a latch rod pivoted to the entrance hood and engaging the trap door for holding the same in a locked elevated position, said latch rod being mounted exteriorly of the hood, and a tubular member carried by the upper end of the rod and slidably extending into the hood for supporting bait within the hood.

1,505,784. LOW-AIR-PRESSURE DETECTOR AND SIGNAL IN TIRES. LEO F. HEERWAGEN, Fayetteville, Ark. Filed Sept. 20, 1923. Serial No. 663,746. 1 Claim. (Cl. 116—34.)



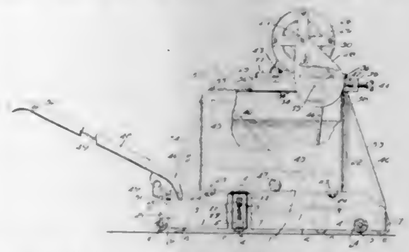
The combination with a pneumatic tire, of a resilient body inserted between the tube and the casing, being of substantially elongated form and of maximum thickness at the center, gradually tapering, and of reduced thickness toward the edge portion, and an integral flange of substantially thin wide form, extending from the edge portion of the body to provide a securing flange adapted to be held between the tube and casing for holding the body in place in the tire.

1,505,785. SHIP STABILIZER. JOHN JIENGIEL, Scranton, Pa., assignor of one-half to Wincenty Jasuta, Minooka, Pa. Filed Sept. 20, 1923. Serial No. 663,816. 2 Claims. (Cl. 114—123.)



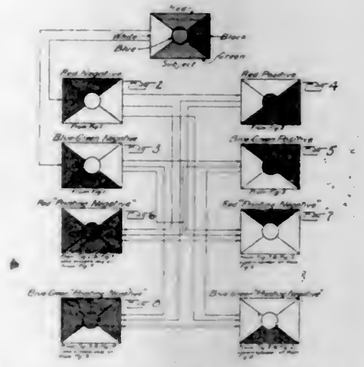
1. In a ship's stabilizer, a plurality of inflatable members hingedly mounted at each side of the ship, each member being formed of a waterproof casing having cords connecting the inner and outer ends to limit stretching upon inflation, a cable and drum associated with each member for retracting the same to inoperative position, a unitary air supply for the several members, means for retaining the inflated members horizontally positioned when projected for stabilizing operation, the hinged mounting for the inflatable member including a metallic reinforcing strip within the inner end of the member, bent ends carried by the strip, brackets carried by the ship, and a pivot rod extending through the bent ends of the strip and the brackets.

1,505,786. MOP. JOHN M. KAISER, HERBERT L. GRAY, and JOHN C. KAISER, Rock Island, Ill. Filed May 28, 1920. Serial No. 384,925. 1 Claim. (Cl. 15—99.)



A mopping device comprising a frame, frame supporting rollers yieldingly carried by said frame, the ends of each supporting roller adapted to move independently of the movement of the other end of the roller, whereby said rollers are adapted to move toward or away from the frame so as to contact with the supporting surface irrespective of the contour of the surface, a mopping member arranged to travel over said rollers to contact with the supporting surface, and another supporting roller adapted to move angularly with respect to the other rollers whereby said roller is adapted to take up the slack in said mopping member and to aid in supporting said frame.

1,505,787. COLOR PHOTOGRAPHY. WILLIAM V. D. KELLEY, Jersey City, N. J. Filed Oct. 2, 1923. Serial No. 666,070. 6 Claims. (Cl. 95—2.)

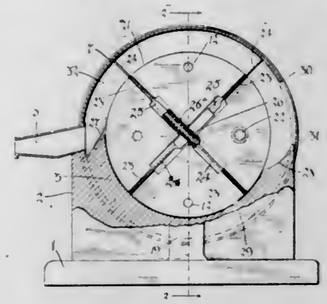


1. A transparent carrier coated with gelatine having a reduced silver image and a dye-impressed color representation of the red in the original subject.

1,505,788. ROTARY ENGINE. JONAS AUGUST LARSON and ERIC JOHNSON, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,221. 1 Claim. (Cl. 121—57.)

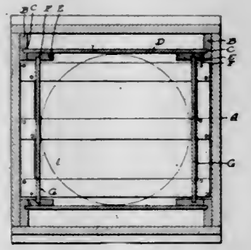
A device of the character described comprising a rotor having a circular body portion and a concentric groove in the peripheral wall thereof, said rotor having a marginal groove on each of the sidewalls of the concentric groove adjacent the peripheral wall of the rotor, a plurality of spring pressed blades radially disposed in said rotor and arranged to be moved outwardly and transverse to the concentric groove, a stator arranged to par-

tially enter the concentric groove in said rotor and having an arcuate surface contacting said rotor for a portion of its circumference at the base surface of said concentric groove, an arcuate shoe supported by said stator



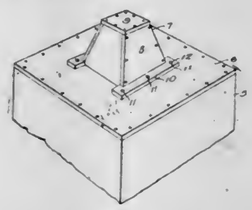
and having its longitudinal edges disposed within the marginal grooves in said rotor, and a nozzle projected through said shoe, whereby steam or the like may be admitted to the concentric groove in said rotor to drive said rotor.

1,505,789. CARBOY. CHARLES LEFKOWITZ, Newark, N. J. Filed July 3, 1923. Serial No. 649,337. 5 Claims. (Cl. 217—54.)



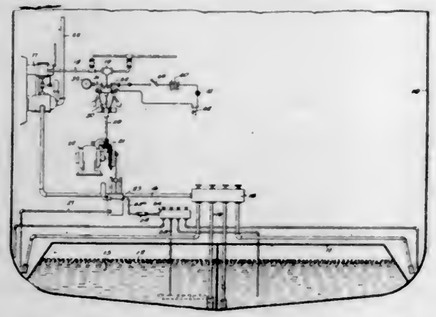
1. In a carboy, a hollow body, members in the body provided with grooves, lateral supporting members disposed in the grooves and having members with grooves, and additional lateral supporting members extending at angles to the first-mentioned lateral supporting members disposed in the last-mentioned grooves.

1,505,790. CARBOY BONNET. CHARLES LEFKOWITZ, Newark, N. J. Filed Oct. 10, 1923. Serial No. 667,719. 4 Claims. (Cl. 217—52.)



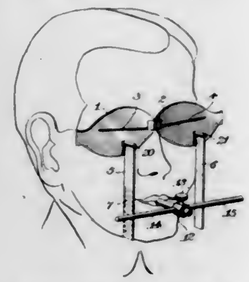
1. In a bonnet for carboys, a hollow body having four upwardly converging sides, each side being disposed at angles to adjacent sides, a top secured to the upper portions of the sides, and two parallel strips secured to opposite sides of the hollow body, respectively, by means of which the bonnet may be secured to a carboy.

1,505,791. APPARATUS FOR SEPARATING LIQUIDS OF DIFFERENT SPECIFIC GRAVITIES AND INDICATING MEANS THEREFOR. CHARLES SIGFRID LENZ and GEORGE EDWARD JUPP, New York, N. Y., assignors, by mesne assignments, to American Marine Device Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,734. 10 Claims. (Cl. 103—25.)



1. An apparatus for separating liquids of different specific gravities, which includes a tank containing said liquids, means for pumping one of said liquids from said tank, a valve controlling the flow of fluid, and means operated by the change in rate of pumping to close said valve when the pump begins to pump the other liquid.

1,505,792. DENTAL DEVICE. LOUIS O. LUDLUM, St. Louis, Mich. Filed June 3, 1924. Serial No. 717,622. 4 Claims. (Cl. 32—1.)



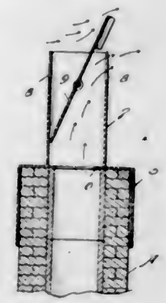
1. A dental device, which comprises a pair of slitted plates to be disposed in front of the eyes to determine the line of vision, and a gage dependent from each of said plates on opposite sides of the nose, extending down as far as the line of the mouth.

1,505,793. AUTOMOBILE SIGNAL. ROBERT LYONS, New York, N. Y. Filed Oct. 10, 1922. Serial No. 593,624. 1 Claim. (Cl. 40—132.)



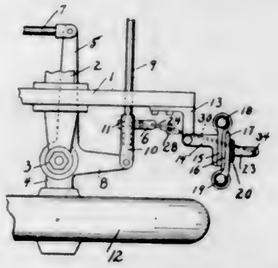
A device of the character stated, comprising an oblong casing having openings at its edges at one end, inwardly projecting flanges throughout both longitudinal edges and one curved end of said casing, bars secured to the upper and lower faces of the casing and co-operating with the flanges to form guides, plates and sheets of colored glass supported in said guides and movable through the openings in the ends of the casing, said plates having direction indicating openings therein, covers for the openings in the ends of the casing, flanges on said covers registering with the flanges of the casing, perforated tongues on the covers projecting over the end of the casing, a bar located against the inner face of the end of the casing, and securing devices through the tongues and the end of the casing and secured in the bar.

1,505,794. AIR-DRAFT ATTACHMENT FOR CHIMNEYS. WILLIAM B. MCCARTY, Lavelle, Pa. Filed Mar. 20, 1923. Serial No. 626,257. 1 Claim. (Cl. 98—5.)



A chimney attachment comprising a hood having a vertically disposed hollow neck mounted upon its top and at the center thereof, the neck being provided at its upper end and at opposite sides with recesses leading in from the upper end of the neck, a rod disposed transversely across the interior of the neck and spaced below the lower edges of the recesses and parallel with the side walls of the neck provided with the recesses, a damper plate having intermediate curved portions bowed in opposite directions and disposed around the sides of the rod and loosely mounted thereon, the lower portion of the plate being received, within the lower portion of the neck, and the upper portion of the plates extending above the upper edges of the neck, that portion of the plate which projects above the neck being provided at its opposite end with curved extensions disposed in opposite directions from the plate, said extensions being spaced above the upper edges of the neck and disposed toward the side walls of the neck having the recesses, and the center of gravity of the plate being disposed above the rod.

1,505,795. CONNECTION FOR DIRIGIBLE LIGHTS. JOSHUA B. NICHOLSON, Washington, D. C. Filed Oct. 16, 1923. Serial No. 668,824. 1 Claim. (Cl. 240—62.)



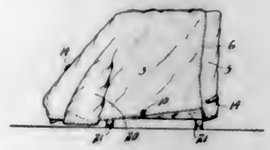
A connection for dirigible head lights comprising a Z shaped bracket having one end rigidly attached to the tie rod of an automobile and the other end provided with a bearing hole adapted to receive the depending end of a rod, and having interposed between a washer on the depending end and the bracket a spring to absorb the shock due to bumps and holes in the road and means for preventing said depending end from becoming disengaged, a similar rod having its forward end upturned and adapted to fit into a bearing hole contained in the forwardly extending arm of the lamp bracket and having interposed between a washer on the upturned end and the underside of said forwardly extending arm a similar spring to absorb the shock due to bumps and holes in the road, and means for preventing said upturned end from becoming disengaged, and a turnbuckle interposed between the two rods and adapted to be screwed onto each rod to provide the necessary tension on said connecting rod.

1,505,796. STORAGE-BATTERY CASE. PAUL E. NORRIS, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,603. 6 Claims. (Cl. 16—125.)



1. In combination, a storage battery case, a handle inserted in a wall of said case, and a recess in said wall surrounding said handle and communicating with the interior of said case but not with the interior thereof.

1,505,797. TYPEWRITER COVER AND CARRYING DEVICE. MARIE OLSTAD, Pelican Rapids, Minn. Filed Oct. 1, 1923. Serial No. 665,787. 12 Claims. (Cl. 150—52.)

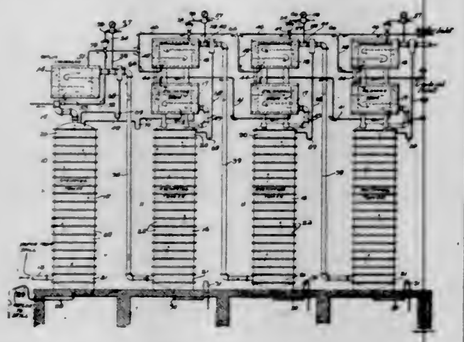


1. A typewriter cover of flexible material comprising a pocket and flaps, said cover being adapted to extend over the top and sides of a typewriter with said pocket and flaps in one position, but being invertible to form a cover entirely surrounding said typewriter with the pocket and flaps in another position.

1,505,798. APPARATUS FOR CONDENSING AND FRACTIONATING HYDROCARBONS. ERNEST OWEN, New York, N. Y. Filed Dec. 14, 1920. Serial No. 430,617. 5 Claims. (Cl. 196—99.)

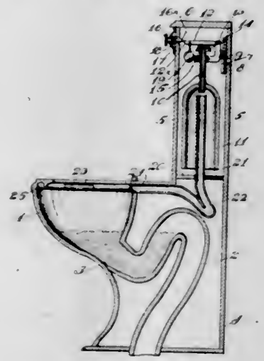
1. In an apparatus of the character described, a distilling apparatus and a plurality of fractionating condensing units, arranged in series, the first unit communicating with the vapor space in the distilling apparatus, each unit comprising a heat exchanger and a water cooled condenser in communication with each other, with devices for drawing off condensate from each of said units; the arrangement being such that the vapors pass through each successive heat exchanger and water-cooled con-

denser in series, while the charging oil to the distilling apparatus flows in a countercurrent direction through each successive heat exchanger in heat absorbing rela-



tion to the vapors passing therethrough, the character of the condensate from each unit being governed by the flow of the cooling water through its respective condenser.

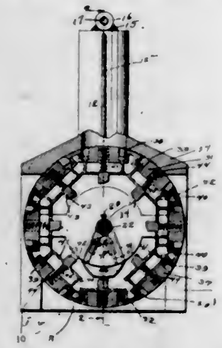
1,505,799. WATER CLOSET. JOHN J. PARKINSON, Chicago, Ill. Filed Mar. 15, 1920. Serial No. 365,907. 2 Claims. (Cl. 4—43.)



1. The combination of a bowl and tank for holding water, a discharge pipe having a portion arranged to extend through the bottom of the tank and being provided with a goose-neck water trap, said discharge pipe communicating with said bowl, a bracket secured to the wall of the tank, a pipe carried by the bracket, an inverted cup-shaped member carried by the pipe and arranged to receive the end of said discharge pipe, said cup-shaped member being spaced from the discharge pipe, a lever pivotally mounted on said bracket, a valve carried by the lever and arranged to fit over the end of the pipe to close the latter, and means for operating the lever at will, said last named means comprising a spring pressed push rod having a beveled end arranged to engage the end of the lever to lift the latter.

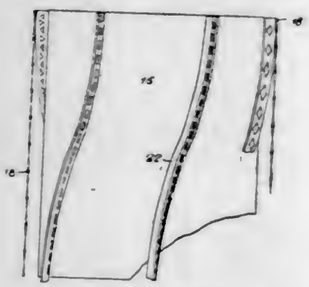
1,505,800. DOUGHNUT MOLDER OR FORMER. CARLYLE E. PEAVEY, Minneapolis, Minn. Filed Apr. 3, 1922. Serial No. 549,107. 6 Claims. (Cl. 107—15.)

1. In a doughnut forming machine, a dough magazine having a discharge opening, a rotating member having a plurality of die cups or grooves arranged to successively register with said opening, means for discharging the contents from said cups, and means for removing dough from said member, comprising a cutter arranged to slide diagonally across said cups, and means for reciprocating said cutter.



4. In a doughnut forming machine, a dough magazine having an open discharge end, means for moving dough in the magazine toward said discharge end, a series of dough forming dies each having an annular groove for receiving dough, means for moving said dough forming dies successively to position where the grooves therein register with the discharge end of said magazine, annular plungers in said grooves, means for normally holding said plungers in their retracted position, a cut off device adjacent to said magazine, means for actuating said plungers for forcing the formed doughnut out of said grooves, means for removing the doughnuts from the faces of the plungers, said last means comprising a wire, means actuated by the movement of said doughnut forming dies for moving said wire to a certain position of its movement, means for imparting quick movement to said wire when said last means is rendered inoperative, and means for rendering said wire moving means inoperative when the wire has been moved to a certain position of its movement.

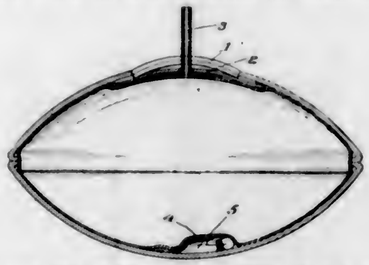
1,505,801. REENFORCED-CONCRETE PIPE. EARL L. PETERSON, Corona, N. Y., assignor to United Concrete Pipe Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 13, 1920. Serial No. 403,205. 4 Claims. (Cl. 72—54.)



1. In a reenforced concrete conduit, a metal pipe embedded in cement, ribs thereon extending diagonally to the axis of the pipe, and adapted to form an anchor for the concrete, and means for securing said ribs directly to said metal pipe.

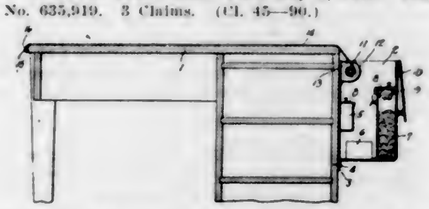
1,505,802. FOOTBALL. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 18, 1923. Serial No. 639,842. 5 Claims. (Cl. 46—4.)

3. In combination with the outer casing of a football having an opening for the insertion of the inflatable member, and a flap to close said opening, an inflatable member having a filling tube to pass through an opening in the flap, and means carried by the opposite side of the bail, and within the same, to balance the weight of said



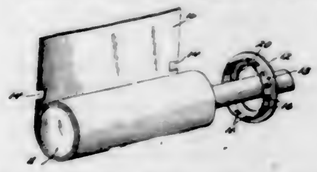
filling tube, said balancing means consisting of a second filling tube and a thickened portion surrounding the same and at a point on said inflatable member, opposite that at which the first filling tube is located, substantially as described.

1,505,803. DESK ATTACHMENT. NATHALIE OLGA PYLICK, Cleveland, Ohio. Filed May 1, 1923. Serial No. 635,919. 3 Claims. (Cl. 45—90.)



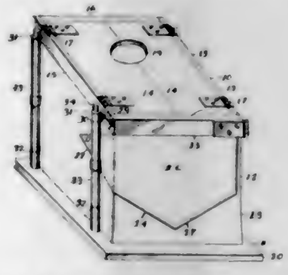
2. In an attachment of the character described comprising an open top receptacle adapted for removable attachment to one side end of a desk, a cover for said receptacle hingedly connected to side of the same remote from the attaching side, a clay compartment within said receptacle, a cover for said compartment carrying moistening means on its inner face whereby to keep the clay moist when not in use, a casing transversely disposed mounted in said receptacle adjacent its upper end at the side next to the desk end, said casing having a longitudinal slot therein, a roller mounted in said casing, a desk cover wound upon the roller and movable through the slot over the adjacent end of the desk and across the top of the desk, and cooperating separable fastening means carried on the opposite end of the desk and the free end of the flexible cover whereby to retain the cover on the desk top, and to detach the same.

1,505,804. PROCESS OF MAKING CONTAINERS. WILLIAM H. ROSE, Jersey City, N. J. Filed Feb. 20, 1923. Srial No. 620,281. 3 Claims. (Cl. 229—5.7.)



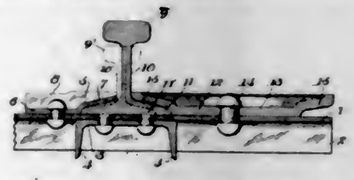
1. The process of making a container from a continuous strip of paper material and simultaneously attaching a head thereto, which consists in rolling a portion of the strip of paper material into the form of a tube, applying to such tube a previously formed head having a curved flange adapted to surround the end of the tube, said flange and the marginal portion of said strip being constructed to permit said flange being slipped over the end of said tube, and then rolling the rest of said strip of paper around said tube and said flange of the head.

1,505,805. CABINET. SEM ROSENTHALL, Montreal, Quebec, Canada. Filed Dec. 1, 1922. Serial No. 604,332. 1 Claim. (Cl. 4—164.)



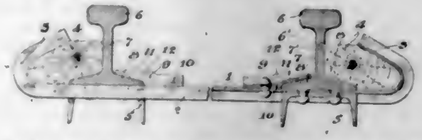
A cabinet of the character described comprising a base, a socketed member rising from the base from adjacent each corner thereof, a substantially U-shaped frame, foldable material depending from the frame, a frame associated with the base and receiving the lower end of the foldable material, closure members hingedly secured to the U-shaped frame and being provided with substantially semi-circular openings cooperatively associated with each other to form a central opening when the closure members are in operative position, resting means secured to the U-shaped frame for the closure members, a closure member for the U-shaped frame and being hingedly secured to one of the arms thereof, a flap depending from the U-shaped closure member and means received in the sockets of the base for supporting the U-shaped frame at a downward inclination.

1,505,806. METAL MINE TIE. JUSTUS J. ROSS, Huntington, W. Va. Filed Mar. 19, 1924. Serial No. 700,351. 3 Claims. (Cl. 238—106.)



1. A metallic cross tie, a fixed clamping lug for engaging one side of the rail flange, a rotatable cam wedge of segmental shape for engaging the other side of the rail flange, said cam wedge provided with a cam edge for engaging the edge of the rail flange of various sizes of rails, and provided with another cam edge for engaging the rail web of various sizes of rails.

1,505,807. METAL MINE TIE. JUSTUS J. ROSS, Huntington, W. Va. Filed Mar. 19, 1924. Serial No. 700,352. 4 Claims. (Cl. 238—10.)



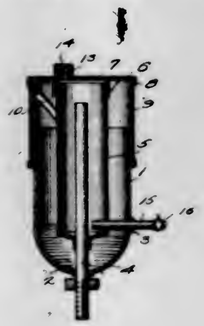
1. A cross tie and rail clamping lugs mounted thereon, said lugs being fixedly secured to the tie, and said lugs adapted to clamp rails of various sizes without substantially altering the gauge of the track.

1,505,808. METAL MINE TIE. JUSTUS J. ROSS, Huntington, W. Va. Filed Mar. 19, 1924. Serial No. 700,353. 3 Claims. (Cl. 238—61.)



1. A metal cross tie, the body of said tie having the cross-sectional shape of channel iron, anchoring means attached to the bottom of the tie, said anchoring means having the cross-sectional shape of channel iron.

1,505,809. GASIFIER. JULIUS S. SCHMIDT, Bechard, Saskatchewan, Canada. Filed Dec. 8, 1923. Serial No. 679,497. 3 Claims. (Cl. 48—102.)



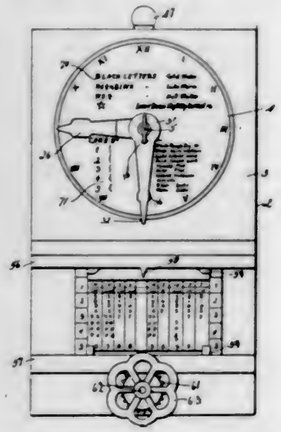
1. A gasifier of the class described including a tube, a shell of cup-shaped formation disposed about the tube, a container disposed about the tube within the shell terminating above the shell at one end and at its other end a distance from the bottom of the shell, said container also terminating above the upper end of the tube, a cap disposed on the upper end of the container and including an extension disposed over the open end of the shell, a cylindrical member movable over the shell for closing the space between its upper end and the extension of the cap, said member being provided with curved slots, pins projecting from the shell through said slots whereby the cylindrical member may be rotated for raising and lowering so as to close or open the space between the cap and the upper edge of the shell.

1,505,810. LIFTING APPARATUS. OTTO H. SCHUH, Wheatland, Wyo. Filed Feb. 15, 1923. Serial No. 619,288. 1 Claim. (Cl. 187—19.)

Lifting apparatus comprising a cylindrical support, means provided at the ends of the support for holding the same in an upright position, an open center frame receiving the suport and provided with an arcuate end which is disposed concentric with the axis of the support, rollers having concaved peripheries and carried at the arcuate end of the frame and engaging the periphery of the support at spaced intervals, two of the said rollers being located diametrically opposite each other and one of them at each end of the arcuate portion of the frame, another of the said rollers being located upon the arcuate portion of the frame and at a point midway between the first mentioned rollers, a set of rack teeth disposed longitudinally of the support and located thereon diametrically opposite the last mentioned roller, said rack teeth standing out from the periphery of the support, a gear wheel journaled upon the frame and meshing with the rack teeth, and means mounted upon the frame for rotating the gear wheel.

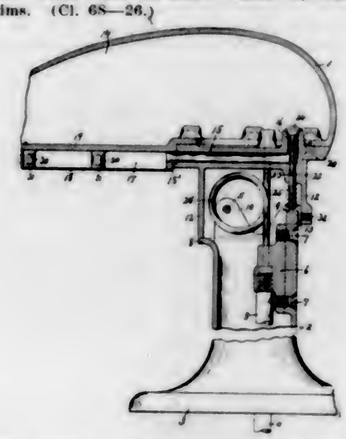


1,505,811. LAUNDRY TIMER. GEORGE W. SETTLE, Cape May, and OSCAR RISLEY, Wildwood, N. J. Filed Apr. 6, 1923. Serial No. 630,346. 6 Claims. (Cl. 161—6.)



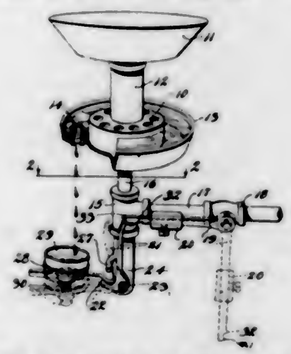
1. A timer for washing machines and the like comprising a plate having a clock dial delineated thereon, a revoluble and slidable shaft passing through said plate in the region of the dial, means for transmitting motion to said shaft so as to make one complete revolution per hour, a timing hand adjustably and removably mounted on said shaft, and adjustable hand concentric with the timing hand, means carried by the adjustable hand to hold the timing hand and its shaft in an outward position, said timing hand having an opening for registration with said means when the two hands are in alignment, means to move the timing hand and its shaft inward and a signal adapted to be placed in operative condition upon inward movement of the timing hand and its shaft.

1,505,812. PUFF IRON. CHARLES E. SKELTON, Syracuse, N. Y. Filed June 15, 1922. Serial No. 568,410. 7 Claims. (Cl. 68—26.)



1. The combination of a support, a puff iron movably mounted upon the support and provided with a steam heated chamber and a steam distributing chamber having a steam exit in one side and connected by a passage with the steam heated chamber, a steam conduit opening into the steam heated chamber, a normally closed valve in said passage and means actuated by the movement of the puff iron from one position to another position for opening the valve.

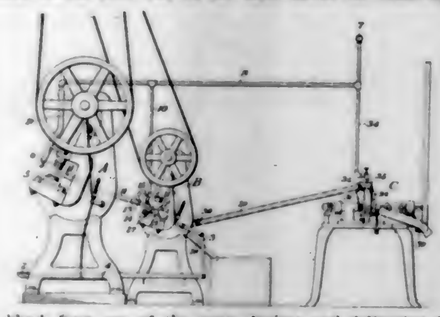
1,505,813. CUT-OFF FOR OIL BURNERS. ARTHUR G. SLOCUM, Ensign, Kans. Filed Mar. 23, 1923. Serial No. 627,141. 3 Claims. (Cl. 158—36.)



1. An oil burner provided with an overflow pan, a feed pipe to said burner, a rotary controlling valve in said pipe, a tensioned lever carried by the stem of said valve and projected beneath said pan, a support dependent from said burner, an angular trip lever pivoted upon said support and having an arm beneath the free end of said valve lever, a horizontal arm extended beneath the overflow pan, and a receptacle supported upon said horizontal arm to receive the overflow and thereby actuate said lever to release the feed valve for closing movement.

1,505,814. SHEET-METAL-PRESS SYSTEM. PAUL J. SMITH, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Dec. 6, 1921. Serial No. 520,268. 10 Claims. (Cl. 113—50.)

1. A press system having at least two press devices provided with a common control for stopping and starting, and a channel arranged to lead the blanks from one machine to the next, and an air blast device for removing a blank from one of the press devices and delivering it to said channel substantially as described.

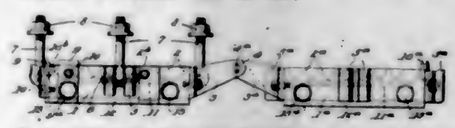


1,505,815. DETACHABLE SHOE HEEL. JOSEPH STAMBERGER, Buffalo, N. Y. Filed Nov. 8, 1922. Serial No. 599,711. 2 Claims. (Cl. 36—42.)



1. In a detachable shoe heel, a permanent heel portion and a detachable heel section, and interlocking connections between the same, said connections including a fixed plate carried by the permanent heel portion, guide fingers struck out therefrom, a substantially T-shaped sliding latch plate mounted on the fixed plate and guided by said fingers, the fixed plate and ends of the latch plate having registering openings therein, and latch prongs carried by the detachable heel section adapted to be positioned in the registering openings and having side grooves to receive the rear walls of the openings in the latch plate, the forward end of the sliding latch plate being return bent, and a coil spring interposed between the return bent portion of the latch plate and the fixed plate for holding the latch plate in engagement with the prongs carried by the detachable heel section.

1,505,816. MOLD FOR VULCANIZING HOLLOW ARTICLES. CHARLES W. STEELE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 17, 1922. Serial No. 575,531. 3 Claims. (Cl. 18—38.)

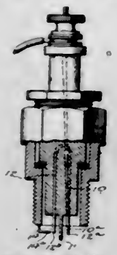


3. A mold of the character described, comprising a pair of complementary mold sections of rolled steel having mating cavities machined therein, one of said mold sections having its surface machined away to provide annular lands around the mold cavities thereof.

1,505,817. SPARK PLUG. CARL S. SWANSON, New York, N. Y. Filed Nov. 11, 1922. Serial No. 600,375. 3 Claims. (Cl. 123—169.)

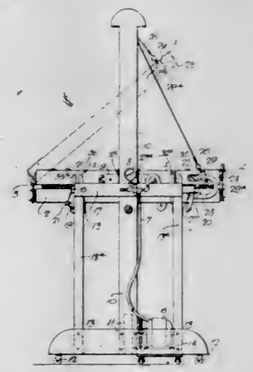
1. In a spark plug having a jacket, a core of insulating material, and a center electrode partially embedded in said core, the combination of a single dependent, reduced insulating baffle at the lower end of the core, and a single substantially U-shaped floating electrode element having the free termini of the legs thereof protruded be-

low the bottom of the core with one located on one side of said baffle and one on the other; said baffle being a



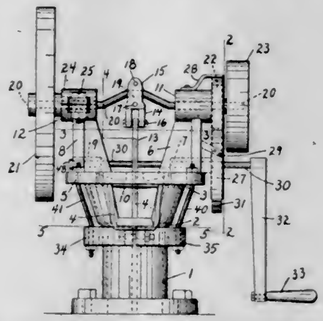
plane wall arranged substantially diametrally across the bottom of the core and said center electrode is a substantially straight rod arranged eccentrically of the core axis.

1,505,818. VACUUM PRINTING FRAME. EMANUEL W. SWEIGARD, Los Angeles, Calif., assignor to Sweigard Ideal Co., Philadelphia, Pa., a Corporation of Delaware. Filed July 13, 1922. Serial No. 574,672. 16 Claims. (Cl. 95—76.)



1. In apparatus of the character described, the combination with a support, of a frame comprising separable glass and blanket-carrying sections pivotally mounted upon the support and adapted for reversal to bring either of said sections to the top, and means providing for elevation of the upper end of said sections above the lower in both reverse and obverse positions of the frame.

1,505,819. DEVICE FOR ATTACHMENT TO PUMPS. SAHLIAH A. TABET, Boynton, Fla. Filed Oct. 20, 1923. Serial No. 669,871. 3 Claims. (Cl. 74—14.)

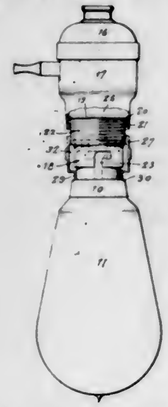


1. In a pump attachment, the combination of a frame comprising a base, a collar below the base adapted to be clamped around the body of the pump and attached to the base by means of bolts, vertical uprights attached to the base, bearings at the extreme ends of the uprights, a shaft journalled in said bearings having a crank formed therein midway between the bearings and provided with a pitman for attachment to the pump rod and means for rotating the shaft.

1,505,820. COMPOSITION OF MATTER. BRICE P. THOMAS and RICHARD E. RUTLEDGE, Hope, Ark. Filed Jan. 31, 1920. Serial No. 355,422. 1 Claim. (Cl. 87—17.)

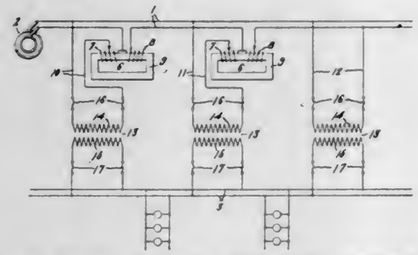
A film cement comprising a minor portion of celluloid and a major portion composed of commingled acetic acid, ether and collodion.

1,505,821. LAMP HOLDER. GEORGE B. THOMAS, Bridgeport, Conn., assignor to Bryant Electric Company, a Corporation of Connecticut. Filed Apr. 27, 1918. Serial No. 231,113. 4 Claims. (Cl. 173—356.)



1. A lamp socket having a casing element slotted to afford a bayonet joint connection with a cooperating lamp and having a threaded area, in combination with a screw ring threaded on said area and movable into engagement with a shouldered lamp base after the establishment of said bayonet joint connection to hold the lamp against vibration with relation to the socket, said ring surrounding the bayonet joint but being spaced from said casing element at the bayonet joint to clear one of the bayonet joint members and permit the rotation of the ring around said joint, but constricted at its outer end to afford an end engagement with the lamp base.

1,505,822. SYSTEM OF ELECTRIC DISTRIBUTION. EDWARD D. TREANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 24, 1923. Serial No. 641,238. 5 Claims. (Cl. 171—97.)



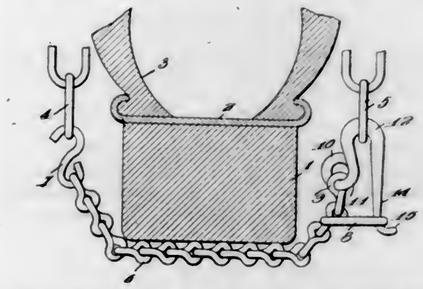
1. A system of electric distribution comprising a source of alternating current, an alternating current supply circuit connected to said source, a plurality of parallel feeders connected to different points of said alternating current supply circuit and feeding into a common circuit, and a plurality of balancing transformers, each transformer being associated with a different one of said feeders and comprising two differential windings, one of said windings being so connected that the current therethrough varies with the current flowing through the feeder with which the transformer is associated, and the other one of said windings being so connected that the current therethrough is proportional to the current supplied to the distribution circuit through the feeders connected to the supply circuit at points farther away from the source than the point where the feeder associated with the transformer is connected, said windings being so arranged that the flux in each transformer is zero when there is a predetermined division of current between said feeders.

1,505,823. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. JOHN TROCHTA, Lengne City, Tex. Filed Nov. 23, 1922. Serial No. 602,839. 2 Claims. (Cl. 240—61.)



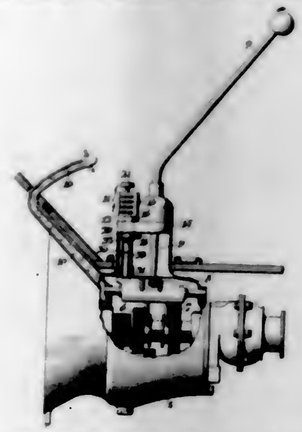
1. In a dirigible headlight for automobiles, a cross bar supported transversely of the forward end of the automobile, a headlight rotatably supported adjacent each end of the cross bar, a post journaled through the cross bar for supporting each headlight, tension means associated with each post for normally forcing the headlight in one direction, a lever secured to the lower end of each post, one of said levers projecting rearwardly from one post and the other lever projecting forwardly from the other post whereby simultaneous movement of the levers to one side will cause rotation of the posts in opposite directions, cooperating means carried by said levers and cross bar for limiting rotary movement in one direction of the post supporting the headlight, a flexible connector between said levers, a foot lever supported in the floor board of the automobile, a flexible connector between the foot lever and one of the levers associated with a headlight for simultaneously operating the two levers associated with the headlight, and a guide pin for the flexible connectors carried by each post supporting lever.

1,505,824. DEVICE FOR APPLYING ANTISKID CHAINS TO AUTOMOBILE TIRES. NELSON JAMES TRUMBULL, Whitewater, Colo. Filed June 23, 1923. Serial No. 647,346. 1 Claim. (Cl. 152—14.)



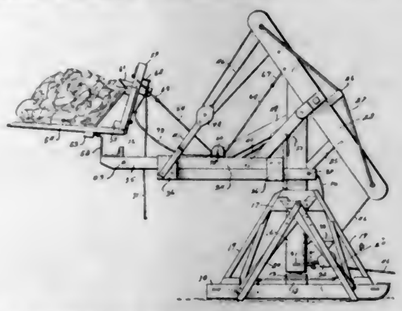
In a device of the class described, an anti-skidding member, a chain comprising links, and connected at one end to one side portion of the anti-skidding member, a U-shaped latch engaged through the opposite side portion of the anti-skidding member and including a long arm and a short arm, the short arm being pivotally assembled with one link of the chain, the long arm having a finger, and a ring mounted pivotally and releasably between adjoining links of the chain, the ring receiving the long arm, and the finger constituting a retainer for the ring, the ring being of such a diameter that the first specified end of the chain may be threaded through the ring, thereby enabling the ring to be moved along the chain to its place of pivotal mounting between said adjoining links.

1,505,825. LOCKING DEVICE. CHARLES LINCOLN TURNER, Jersey City, N. J. Filed June 30, 1923. Serial No. 648,703. 6 Claims. (Cl. 70—53.)



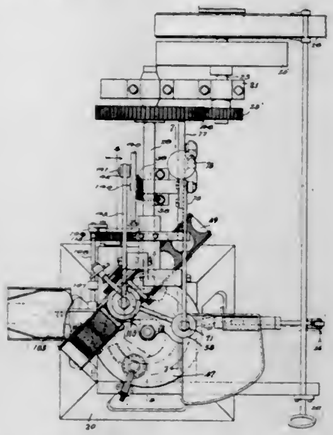
1. A locking device of the character described comprising a frame member having a series of transverse clefts and a tubular attaching extension, a passage through said clefts at right angles thereto and provided with radial keyways, a pin provided with a corresponding series of key bits traversing said passage, a related coaxial series of serrated locking elements positioned in the transverse clefts and rotatable about the pin in one direction from a zero datum, a series of co-operative clicks and a spring influenced bolt member slidable in the tubular extension for projection in one direction by the aforesaid pin into locking position, and automatic retraction therefrom when the pin is released.

1,505,826. HAYSTACKER. CORNELIUS J. VAN OORT, Hotchkiss, Colo. Filed July 30, 1923. Serial No. 654,629. 6 Claims. (Cl. 214—141.)



1. In stacking apparatus and in combination, a standard, an extensible hoist arm pivoted at one end to the standard, means for elevating the free end of the hoist arm, and a plurality of elements selectively positionable to engage the hoist arm and extend the same during such elevation, each of said elements being of different length.

1,505,827. TABLET-MAKING MACHINE. EDUARDO VILLASENOR and ALBERTO VILLASENOR, Merida, Mexico. Filed Apr. 25, 1923. Serial No. 634,528. 6 Claims. (Cl. 107—17.)

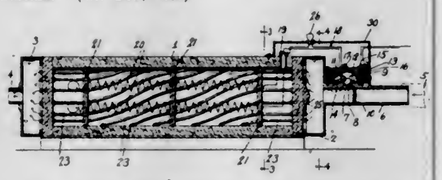


1. In a tablet forming machine of the character described, a turntable having a plurality of depressions acting as molds, means for feeding paper disks into said molds as they pass a certain point, means for feeding material to be formed into tablets as the molds pass a second point, means slightly entering said molds as they pass a third point for forming a design thereon, a plunger for compressing the material entering the molds, said plunger acting immediately after the material has entered the molds, and means for ejecting the finished tablet after it has received said impression.

3. In a machine of the character described, a rotating platform provided with a plurality of spaced depressions acting as molds, means for rotating said platform and means for supplying said molds one at a time with paper disks, said means comprising a stationary cutting member, a reciprocating cutting member, an ejector carried by the reciprocating cutting member, means for feeding a strip of paper across the stationary cutting member, and means for operating the reciprocating cutting members.

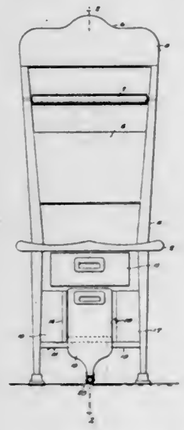
6. In a machine of the character described, a rotatable turntable provided with a plurality of equally spaced depressions acting as molds, means for feeding material into said depressions as they pass a given point, means for compressing said material immediately after it enters the molds and means for imprinting a design on the compressed material as it reaches a second point, said means including a printing member, means carried by the turntable for swinging said printing member into and out of printing position, and a stationary cam for actuating said means as said means moves with the turntable.

1,505,828. HEATER. ROBERT C. WALBERG, New Preston, Conn. Filed May 22, 1922. Serial No. 562,790. 2 Claims. (Cl. 219—39.)



1. A device of the class described comprising an insulated casing, a plurality of spirally arranged tubes arranged adjacent the inner walls thereof and having their ends passing through the ends of the casing, heating coils in the casing, an electric circuit connected with the coils, caps connected with the ends of the casing, a discharge pipe connected with one cap, an inlet pipe arranged in the other cap, a gate connected with the inlet pipe and actuated by the water passing into the pipe, a spherical member seated in the inlet pipe for rotatable movement and having the gate secured thereto, a brush carried by said member diametrically opposite the gate, a contact plate arranged to be engaged by the brush when the gate is moved by the water passing through the inlet pipe and means for connecting said contact plate and brush with the circuit as and for the purpose specified.

1,505,829. DRESSING CHAIR. HARRY WALTER WARNECKE, New York, N. Y. Filed June 14, 1923. Serial No. 645,436. 2 Claims. (Cl. 155—41.)



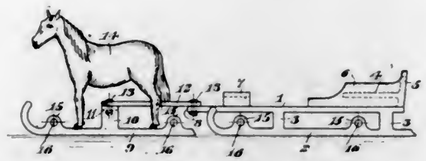
1. A dressing chair, comprising a back, a seat plate, a plurality of legs for supporting the seat plate, a drawer arranged immediately beneath the seat plate, means for slidingly supporting said drawer, a pair of platforms arranged beneath said drawer, said platforms being spaced apart and positioned so that their adjacent edges will form runways, a drawer slidingly mounted on said runways, a traveling leg connected to said last mentioned drawer and movable therewith, and an adjustable foot rest carried by said traveling leg, said traveling leg and associated parts being movable toward and from the front part of the chair.

1,505,830. FLEXIBLE CAN CONVEYER. LAWRENCE W. WATERS, Kingsburg, Calif. Filed Feb. 9, 1923. Serial No. 618,079. 4 Claims. (Cl. 193—25.)



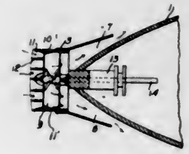
1. In a device of the character described, a substantially U-shaped end piece, flexible side pieces rigidly attached to said end piece, and extending in parallel alignment therefrom, plates spaced between said side pieces and spaced from said end piece and from each other, a second end piece adapted to telescope the free ends of said side pieces and flexible means connecting said end pieces and said spaced plates.

1,505,831. TOY. JAAKKO WEHKAOJA, Royalston, Mass. Filed July 21, 1923. Serial No. 652,948. 2 Claims. (Cl. 46—45.)



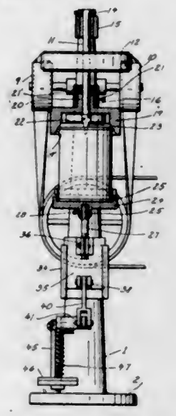
1. A toy representation of a horse drawn sled comprising a front and rear pair of sled runners, each runner having thereon means to provide an axle box, a body supported by and formed integral with one of said pair of runners, a passenger seat thereon, a driver's seat thereon, a representation of a horse on said front pair of runners, and a link connection between the front pair of runners and said body.

1,505,832. PROPULSION SYSTEM. GEORGE R. WEISZ, Brooklyn, N. Y., assignor of eight-tenths to Amelie Weisz, Brooklyn, N. Y. Filed Oct. 12, 1921, Serial No. 507,205. Renewed Jan. 15, 1924. 2 Claims. (Cl. 115—42.)



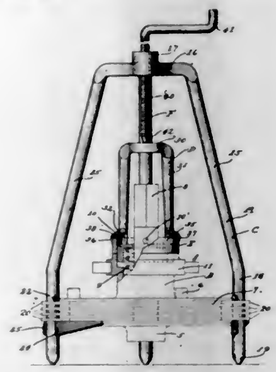
1. In a propelling structure for vessels a propeller positioned in front of the vessel exteriorly thereof, a hood surrounding said propeller, said hood being stationary, and a tapering casing extending from said hood rearwardly, said casing being divided into two parts and extending on each side of the vessel so as to present a pair of gill structures through which the water from the propeller is discharged.

1,505,833. CAN OPENER. ROBERT L. WELLS, Chicago, Ill. Filed June 16, 1921. Serial No. 477,947. 18 Claims. (Cl. 30—3.)



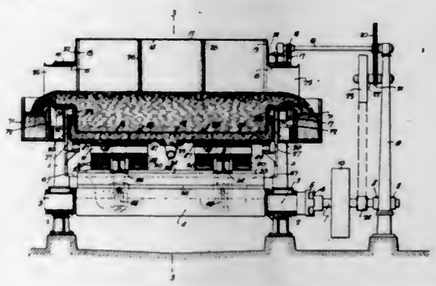
1. In a can opening machine, in combination, a stationary chuck with bevelled means for centering and holding a can in position; means carrying a knife support and knife mounted in said chuck for continuous rotation; and means for supporting and moving a can into holding engagement with said chuck and into cutting engagement with said knife.

1,505,834. CLUTCH DISMEMBERING AND ASSEMBLING TOOL. HENRY WESTENDORF, Halbur, Iowa. Filed Mar. 13, 1922. Serial No. 543,406. 9 Claims. (Cl. 29—88.2.)



1. A clutch dismembering and assembling tool comprising a frame, means formed on the frame for engaging the discs of a clutch, means associated with the frame for engaging the collar of a clutch spring, and means for permitting adjustment of the collar engaging means.

1,505,835. ROTARY SCREEN. JOSEPH A. WHITE, Philadelphia, Pa., assignor to Moore & White Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1921. Serial No. 437,741. 10 Claims. (Cl. 92—36.)



1. The combination of a rotary screen; bearings therefor; end frames carrying the bearings; a vat in which the screen is mounted; yielding supports for the vat; pivots located between the vat and the supports; a cam for imparting a vertical and rocking movement to the vat to cause the material to be forced through the screen; and means for allowing the material to be discharged from the screen.

1,505,836. SCREEN BOX. JOSEPH A. WHITE, Philadelphia, Pa., assignor to The Moore & White Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,685. 4 Claims. (Cl. 92—32.)

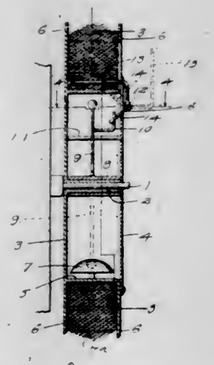
1. The combination in a screen box, of a casing; a curved screen separating the casing into upper and lower

compartments; a diaphragm closing the bottom of the lower compartment; means for imparting movement to



the diaphragm; a shaft; and a rotary scraper, on the shaft, having a blade arranged in close proximity to the curved surface of the screen.

1,505,837. ALARM FOR MOVING-PICTURE REELS. RASSIE E. WICKER, Cameron, N. C. Filed Oct. 25, 1923. Serial No. 670,787. 3 Claims. (Cl. 116—67.)



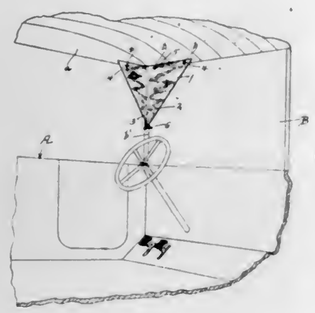
2. An alarm for moving picture reels, comprising a bell positioned within and secured to the drum of the reel for movement therewith, a hammer pivoted to the hub of the reel for movement with respect to the drum in the plane of rotation thereof, means adapted to prevent the pivotal movement of the hammer in one direction with respect to the drum, and a detent carried by the reel and normally held in restraint by the film wound thereon and engaging the hammer to prevent pivotal movement thereof in the reverse direction with respect to the drum and releasable when the film is unwound to a predetermined extent from the reel to free the hammer for pivotal movement in said reverse direction to sound the alarm.

1,505,838. KEY TAG. HOMER H. WITHROW, Brooks, W. Va. Filed Aug. 14, 1923. Serial No. 657,385. 1 Claim. (Cl. 40—10.)



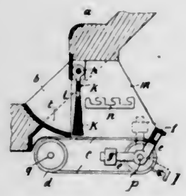
A key tag comprising a plate provided at its side surface with a countersunk channel all of the edges of which are spaced from the adjacent and corresponding edges of the plate, a transparent sheet disposed over the plate and the channel, a relatively rigid frame binding the edge portions only of the sheet and plate together, and having its edges disposed beyond the edges of the channel, and an eyelet rivet passing transversely through the plate and sheet and disposed beyond the end of the channel.

1,505,839. GLAREPROOF VISION SHIELD. JOHN C. WOOD, Clinton, Iowa. Filed Aug. 23, 1922. Serial No. 583,880. 1 Claim. (Cl. 296—97.)



In combination with an automobile, a triangularly shaped piece of flexible material having its base secured to the side and front of the automobile top, said piece of material being provided with a rib extending from the base to the apex thereof and disposed substantially parallel with and adjacent to the end bar of the windshield of the automobile, the apex of said piece of material being secured to said end bar.

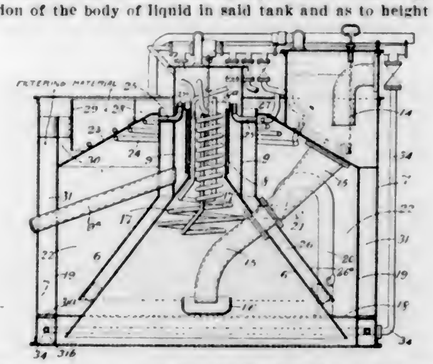
1,505,840. CLOSING AND DISCHARGING DEVICE FOR LARGE RECEPTACLES, SUCH AS BUNKERS AND THE LIKE. FRITZ ZÖBLIN, Strassburg, France. Filed Sept. 3, 1921. Serial No. 498,357. 6 Claims. (Cl. 198—58.)



1. In combination with a receptacle having a discharge outlet, an endless conveying member adapted to maintain the said outlet closed, a power device for driving the said outlet conveyor, one side of the said outlet extending to a position immediately above the said conveying member whereby material is made to move from the receptacle onto the conveying member without any abrupt drop, and a pivotally mounted material-retaining member for preventing material from dropping off the endless conveying member.

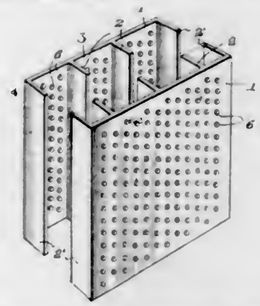
1,505,841. METHOD OF AND MEANS FOR SEPARATING LIQUIDS OF DIFFERENT SPECIFIC GRAVITY. HAROLD MONTAGUE ALEXANDER, Bexley Heath, England. Filed June 26, 1924. Serial No. 722,571. 11 Claims. (Cl. 210—61.)

4. An apparatus for the separation of liquids of different specific gravity comprising a tank for holding a body of liquid undergoing separation, means for introducing into said body a mixture of the liquids to be separated at points located as to distance from the vertical axis of said tank substantially at the radius of gyration of the body of liquid in said tank and as to height in



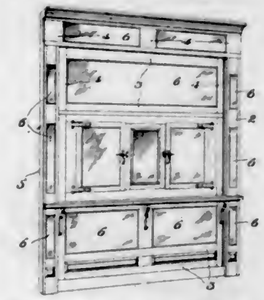
said tank substantially at the center of gravity of radial sections of said body of liquid, and means for conveying off separately the constituents from said body of liquid.

1,505,842. SEPARATOR. CLYDE L. ANDERSON, Butte, Mont. Filed Aug. 31, 1920. Serial No. 407,113. 1 Claim. (Cl. 204—29.)



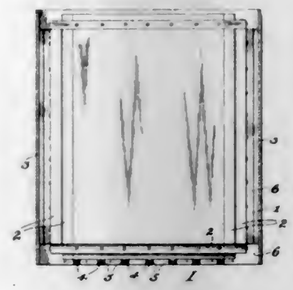
A battery plate separator comprising side plates provided with openings, vertically arranged strips carried by each side plate and connecting the plates in spaced relation, the end strip of each plate being arranged in contacting engagement and the intermediate strips being arranged alternatively and forming vertical chambers as and for the purpose specified.

1,505,843. REFRIGERATOR HAVING A SHOW FRONT WITH INTERCHANGEABLE PANELS. LEN ALBERT BANTA, Clearfield, Pa. Filed Jan. 27, 1923. Serial No. 615,328. 2 Claims. (Cl. 40—126.)



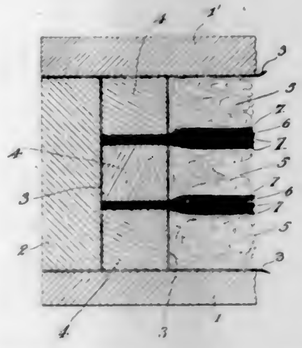
1. In a refrigerator the combination of a housing, a false front having translucent panels and secured in spaced relation to the housing adjacent its side and bottom edges and illuminating means intermediate the housing and the false front.

1,505,844. CHIMNEY-VENTILATED SHELL FOR REFRIGERATORS. LEN ALBERT BANTA, Clearfield, Pa. Filed Jan. 27, 1923. Serial No. 615,329. 2 Claims. (Cl. 20—4.)



1. A refrigerator having a bottom, an enclosed air space below and coextensive with the bottom and a vertical flue coextensive in height with the refrigerator and communicating with said space at its bottom and having its top open to the atmosphere.

1,505,845. INSULATION STRUCTURE FOR REFRIGERATORS. LEN ALBERT BANTA, Clearfield, Pa. Filed Jan. 27, 1923. Serial No. 615,330. 2 Claims. (Cl. 20—4.)

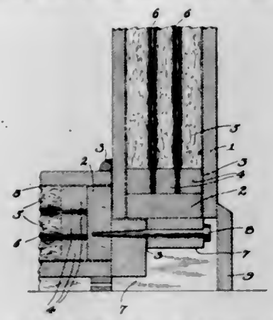


1. An improved housing structure for refrigerators comprising a panel having an outer face and an inner face, said faces lined with waterproof material and secured by marginal walls abutting against said lined faces, waterproof lining for the inner face of said marginal walls and a plurality of tiers of heat insulating and waterproofing material between said faces and within the marginal walls, each tier of heat insulating material being surrounded by marginal waterproof covered strips and said tiers of heat insulating material and their marginal strips being separated by sheets of waterproofing material.

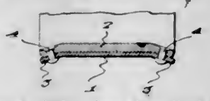
1,505,846. REFRIGERATOR INTERLOCKING SHELL STRUCTURE. LEN ALBERT BANTA, Clearfield, Pa. Filed Jan. 27, 1923. Serial No. 615,331. 1 Claim. (Cl. 20—4.)

In a refrigerator a plurality of composite panels, each of said panels comprising inner and outer faces spaced by double marginal walls the inner of said marginal walls comprising a plurality of tiers corresponding with layers of non-heat-conducting material, said layers, tiers, faces and marginal walls being separated throughout with

moisture proof material and said panels being secured together by cleats on the outer marginal walls and positioned so that a part of the inner face of one panel overlies a part of a marginal wall of another with waterproof material interposed between the adjacent parts thereof.

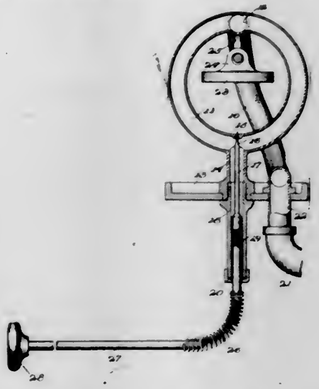


1,505,847. BRAKE BAND. CHARLIE BARKER and GEORGE H. BARKER, Terre Haute, Ind. Filed July 13, 1922. Serial No. 574,723. 2 Claims. (Cl. 188—249.)



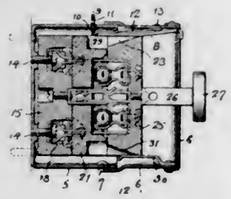
2. A brake band of the class described having its edges bent at an angle to provide flanges, a brake lining having portions extending over said flanges and rivets passing through the flanges and the lining.

1,505,848. VAPOR OIL BURNER. JACOB BARTEL, Hillsboro, Kans. Filed Dec. 29, 1923. Serial No. 683,454. 1 Claim. (Cl. 158—53.)



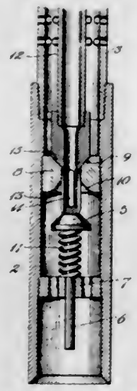
A vapor oil burner including vapor and generating rings of hollow form disposed at approximately right angles and connected in communicating relation at their upper central portions, a fuel oil supply including a pipe and an upright connected to the lower laterally deflected portion of the generating ring, a starting pan through one side of which said upright extends, a hollow upright rising centrally from said pan, said vapor ring having its lower central portion connected in communicating relation to the upper end of the latter upright and having a burner opening opposite the axis of said upright, an internally threaded tube depending below the pan from said central upright, a needle valve within said burner opening having a stem depending through the said upright and said tube and provided with threads engaging the threads of the tube, and means engaging the lower end of said stem for rotating the same and adjusting the needle valve including a control rod having a handle at one end and a universally movable connection at its other end with the said valve stem.

1,505,849. ELECTRIC SWITCH. CLARENCE A. BATES, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 29, 1921. Serial No. 518,632. 5 Claims. (Cl. 200—50.)



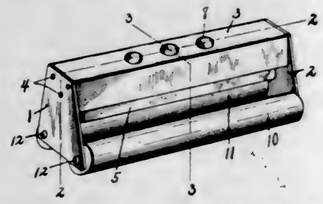
1. An electric switch comprising a metallic casing, having a fixed body member and an openable cover, an insulating switch base mounted within the casing, a movable switch block arranged within the casing cover, in combination with a lock element carried by the cover and automatically operated by the actuation of said movable switch block and serving to lock the casing cover in closed position when said movable block is in circuit-closing position.

1,505,850. VALVE MECHANISM FOR WELLS. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Feb. 19, 1923. Serial No. 620,110. 9 Claims. (Cl. 166—20.)



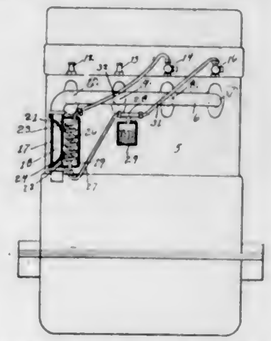
1. In an apparatus for wells, a wash pipe, a back pressure valve, and means attached to said wash pipe for engaging and opening the back pressure valve.

1,505,851. COMBINED ROLLING PIN AND SIFTER. AVID BLOOM, Syracuse, N. Y. Filed Nov. 24, 1923. Serial No. 676,765. 2 Claims. (Cl. 107—50.)



1. In an article of the class described, a pair of spaced end frames, a cross bar arranged between and secured to the end frames, a receptacle secured to and beneath the cross bar and provided with a plurality of perforations in its lower surface, and a pair of spaced rollers rotatably mounted in the end frames below said receptacle.

1,505,852. STEAM CLEANER FOR MOTORS. ELZIE E. BOLES, Santa Ana, Calif. Filed Nov. 17, 1923. Serial No. 675,376. 3 Claims. (Cl. 123—198.)



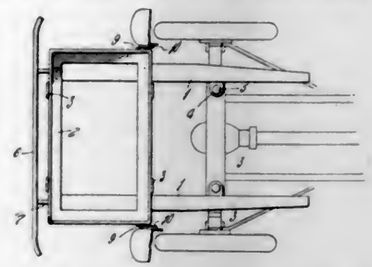
1. In a device of the character described, the combination with a motor, a casting adapted to be secured to the exhaust manifold of said motor, said casting having a chamber formed therein, a coil mounted in said chamber, means for conducting vapor to said coil, and means for discharging said vapor into one of the cylinders of said motor.

1,505,853. ELECTRICAL GOVERNING APPARATUS. FRANK K. BRAINARD, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 9, 1920. Serial No. 415,931. 25 Claims. (Cl. 290—40.)

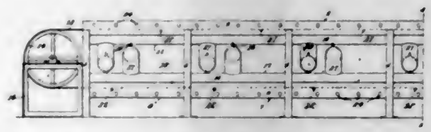
1. A governing apparatus comprising an electric motor tending to maintain its speed substantially constant in spite of variations in a characteristic of the current supplied to the motor, a device responsive to variations from normal in the electrical power supplied to said motor, and a controlling element actuatable by said device.

1,505,854. ATTACHMENT FOR MOTOR VEHICLES. WILLIAM HERMON BRANSCUM, Highland, Calif. Filed Jan. 28, 1924. Serial No. 689,134. 2 Claims. (Cl. 293—55.)

1. An attachment for a motor vehicle comprising a pair of beams, means for attaching the same to the rear part of a vehicle and a trunk supporting frame supported by the beams, said frame being formed of angle irons, the vertical flanges of which are provided with strap receiving loops and said vertical flanges forming a space to receive the bottom part of a trunk.

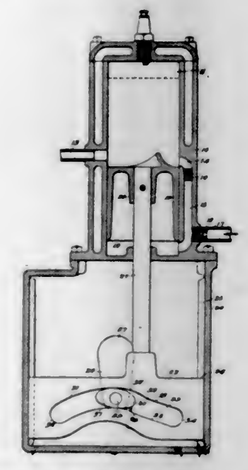


1,505,855. DRYING MACHINE. PETER BREUER, Milwaukee, Wis. Filed Jan. 6, 1923. Serial No. 611,138. 12 Claims. (Cl. 34—2.)



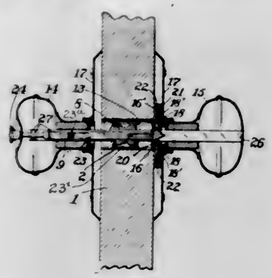
3. In a drying machine of the type described, a frame structure, separate drying chambers supported on the frame structure, an endless metallic perforated belt having the spaced runs thereof passing through the separate drying chambers and supply and exhaust means for a drying medium associated with the drying chambers.

1,505,856. EXPLOSIVE MOTOR. HENRY BRIGGS, Hasbrouck Heights, N. J. Filed Feb. 13, 1922. Serial No. 536,080. 12 Claims. (Cl. 123—78.)



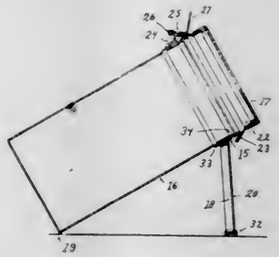
1. In a motor, a cylinder, a piston, a crank shaft, a connecting rod, and a cam-slotted block forming the connection between the connecting rod and the crank shaft, the cam slot in said block being so formed as to permit of rest of the piston during movement of the crank shaft.

1,505,857. DOOR LOCK. IRA DONOVAN BRILL, Marlinton, W. Va. Filed July 6, 1921. Serial No. 482,779. 4 Claims. (Cl. 70—91.)



1. A lock for a door comprising a spindle, a locking bolt, a spindle to pass through the door, a connection between the spindle and the locking bolt for retracting it, locking means to prevent rotation of the spindle, and a slotted controlling rod extending from the said locking means to the inside of the door, said controlling rod being movable longitudinally of the spindle, in one position setting the spindle locking means to prevent rotation of the spindle, in a second position releasing the same, and means operated by the controlling rod when set in a third position for locking the bolt independent of the spindle lock, substantially as described.

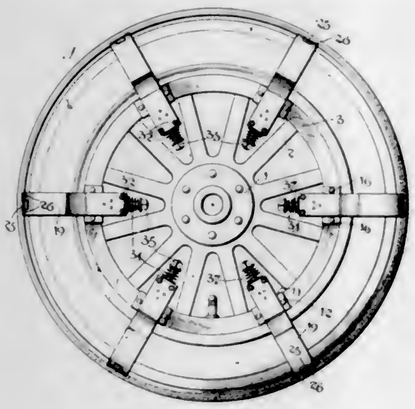
1,505,858. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 17, 1922. Serial No. 582,505. 5 Claims. (Cl. 220—32.)



1. A display and vending apparatus comprising in combination with a sheet-metal original package, a sheet metal member adapted to telescopically, detachably engage the mouth of said original package in place of its original sheet metal lid, a supporting member carried by said sheet metal member and adapted to support said original package and sheet metal member in an inclined position and a lid hinged to the edge of said sheet metal member adapted to open and close the mouth of said original package.

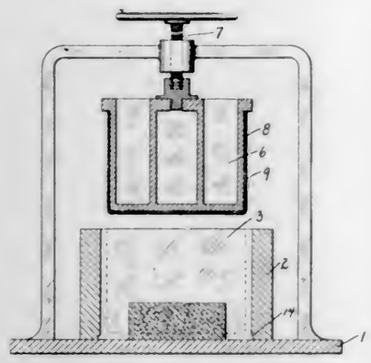
1,505,859. ARMOR OR PROTECTOR FOR PNEUMATIC TIRES. CHARLES K. BULGARIDES, Tacoma, Wash. Filed Dec. 6, 1923. Serial No. 678,940. 7 Claims. (Cl. 152—17.)

5. In an armor or protector for pneumatic tires, a plurality of coupling devices for the protecting member of the armor, each of said devices including a yoke-shaped support adapted to be secured to the felly of the wheel and provided with stops and having its securing means providing guides, a pair of hinged arms positioned between said guides and with one of said arms adapted to be secured to said projecting member, a pair of coupling members for detachably connecting the inner ends of said arms together, a post positioned against said stop and extending between said coupling members and provided with an abutment, a coiled spring interposed between said



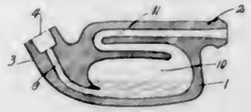
abutment and said coupling members, and a locking element carried by one of said arms and engaging with said post for locking it in position.

1,505,860. METHOD OF AND APPARATUS FOR FORMING HOLLOW ARTICLES FROM PLASTIC MATERIAL. FREDERICK BYFORD, Keyser, W. Va. Filed Feb. 12, 1924. Serial No. 692,321. 7 Claims. (Cl. 25—27.)



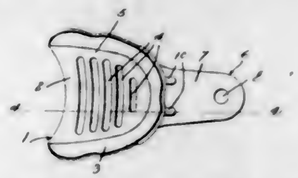
1. In apparatus for forming hollow articles from clay by pressing, the combination of a mold having its inner surface adapted to shape the exterior of the article, and a plunger adapted to enter the mold and to force clay contained therein into the space between its exterior and the inner surface of the mold, and to shape the interior of the article a shell of rigid sheet material fitting and enclosing the exterior of the plunger adapted to permit the plunger to be withdrawn from it so as leave the shell within and supporting the walls of the molded articles, and an envelope of flexible material fitting and enclosing the exterior surface of the shell adapted to permit the shell to be withdrawn so as to leave the envelope within and against the inner surface of the walls of the molded article.

1,505,861. SMOKER'S PIPE. JAMES CARAFILIDIS, Sabraton, W. Va. Filed Oct. 30, 1920. Serial No. 420,706. 1 Claim. (Cl. 131—12.)



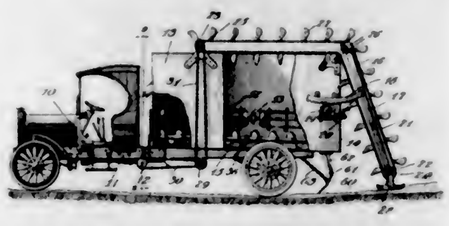
In a device of the character described, a body of substantially elongated rectangular shape provided at one end with a neck and at the other end with a bit, the body being hollowed out to provide a relatively large elongated chamber, said neck being adapted for reception of a bowl and communicating with the chamber at the forward end thereof, said body being further provided with an outlet passage of elongated U shape above the chamber, said passage communicating at one end with the chamber at the rear thereof and at its other end with the bit.

1,505,862. COMPRESSION TRAY. HOUSTON M. CARROLL, Sr., San Antonio, Tex. Filed June 9, 1923. Serial No. 644,485. 1 Claim. (Cl. 32—6.)



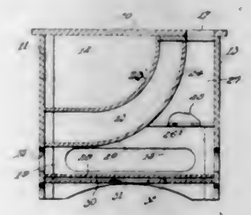
A dental impression tray comprising a base and a marginal flange projecting therefrom, the base being provided with openings which terminate short of the place of juncture between the base and the flange, to leave an imperforate portion in the base adjacent to the flange, the openings being so shaped, located, and of such a size, as to leave enough material in the base to form an adequate support for the impression material when the same is compressed against the relatively hard palatine arch, and so shaped, located, and of such a size, as to permit the impression material to retire through the openings, and to permit the liquid in the impression material to drain through the openings, before the liquid can flow upon said imperforate portion of the base and soften that part of the impression material which is engaged by the relatively soft alveolar ridge.

1,505,863. APPARATUS FOR REMOVING SNOW OR THE LIKE. PIERRE GASPARD CHAYER, Limoilou, Quebec, Canada, assignor of one-half to Albert Lapointe, Limoilou, Quebec, Canada. Filed Mar. 19, 1921. Serial No. 453,684. 1 Claim. (Cl. 37—5.)



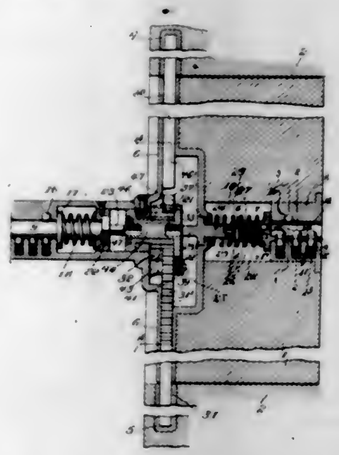
A machine of the character described in combination with a truck, a body mounted thereon, a conveyor carried by said body at the rear end thereof for conveying snow or the like thereto, means for operating said conveyor, agitating drums mounted longitudinally of the body at the opposite sides thereof for rotation, screw elements mounted between and below the agitating means, means for driving the agitating means and the screw elements, and means for supporting the lower end of the conveyor.

1,505,864. SOUND AMPLIFYING AND DISTRIBUTING DEVICE. NATHANIEL A CLARK, Davenport, Iowa. Filed July 28, 1922. Serial No. 578,175. 1 Claim. (Cl. 274—2.)



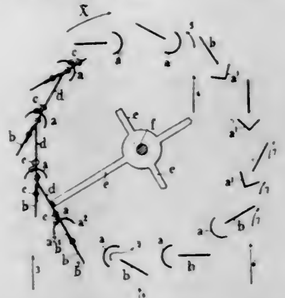
In a device of the class described, a box including a top, and side walls having openings near the bottom thereof, a sound board extending in the form of a curve from one side wall at a point above the opening therein, and having one edge spaced from the opposite wall, means forming a throat portion in the space thus provided, and a sound board below the curved sound board and below the openings in the side walls, and constituting the lower wall of an amplifying and distributing chamber having communication with the throat portion.

1,505,865. DOOR LOCK. MARIO COSTA, New York, N. Y. Filed Oct. 17, 1923. Serial No. 669,160. 7 Claims. (Cl. 70—47.)



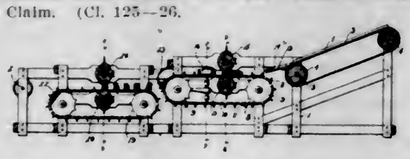
1. A means for locking a door in its casing, angularly disposed bolts slidable into keepers in the casing and each of said bolts having an inner racked surface, a toothed wheel engaging said racks, spring influenced swingable means engaging the inner ends of the bolts when the latter are thrown, means associated with the wheel and freely movable to a determined point thereon and engageable with the swingable holding means to release the same to permit of the turning of the wheel to slide the bolts, and means for turning said wheel.

1,505,866. WIND ENGINE. LÉON JULES COSTES, Paris, France. Filed Oct. 6, 1921. Serial No. 505,825. 2 Claims. (Cl. 170—36.)



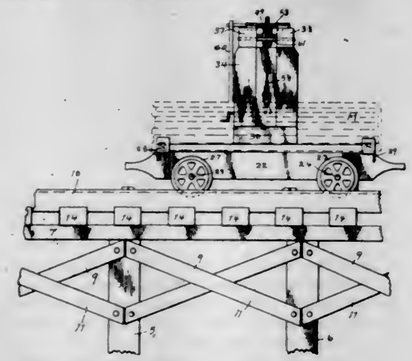
1. In a wind motor, a vane including a gutter, and a flat blade, the blade having its forward edge slightly spaced from the gutter and being disposed rearwardly of the gutter in the direction of rotation of the vane.

1,505,867. BRICK-CLEANING MACHINE. ADRIEN COTÉ, Franklin, Mass. Filed Oct. 4, 1923. Serial No. 666,639. 1 Claim. (Cl. 125—26.



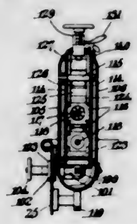
An apparatus of the class described comprising a supporting framework, an inclined feed conveyor supported thereby, a second conveyor supported thereby having brick engaging projections thereon, a bridge for causing the bricks to pass from the first conveyor to the second conveyor, two sets of grinding rolls associated with the second conveyor for cleaning the tops and bottoms and ends of bricks, a third conveyor having brick engaging projections thereon arranged below the plane of the second conveyor so that the bricks passing from one conveyor in the same vertical plane to the other will then and grinding rolls associated with the third conveyor for cleaning the side edges of the bricks.

1,505,868. RETIMBERING CRANE. JOSEPH DEL COZZO, Scotia, Calif. Filed Dec. 8, 1922. Serial No. 605,689. 1 Claim. (Cl. 212—11.)



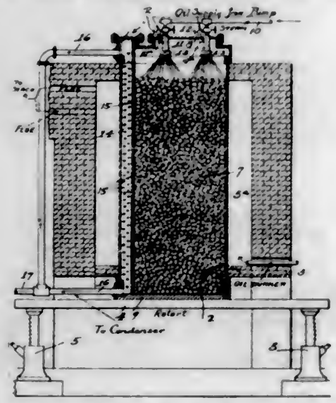
In a device of the character described the combination with a hand car, of a supporting structure mounted on said hand car, parallel spaced boom members mounted above and secured to said supporting structure, said boom members extending beyond the outer margin of said hand car, hoisting means secured on said supporting structure and consisting of a drum, means for rotating said drum, two sets of spaced sheaves mounted between said booms at a point within the outer margin of said hand car, a movable plate secured on said boom at a point beyond the outer margin of said car, sheaves mounted on said plate, a cable having one end secured to said drum and extending up and over one of the sheaves positioned between said boom, thence over another of said sheaves spaced from said first mentioned sheave, over another of said sheaves in axial alignment with said first mentioned sheave, thence over another of said sheaves, in axial alignment with said second mentioned sheave, thence over one of said sheaves on said movable plate, thence downwardly through a sheave suspended below said booms and over the other of said sheaves mounted on said plate and secured between the ends of said booms.

1,505,869. WRINGER MECHANISM. JOSEPH CROSSLEY, Trenton, N. J. Filed Dec. 9, 1920. Serial No. 429,478. 10 Claims. (Cl. 68—32.)



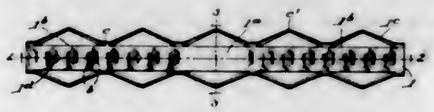
10. In a device of the class described, a tub, a shaft arranged within said tub near and parallel with one wall thereof, the said shaft being capable of moving toward or away from said wall, a casing enclosing and supported by said shaft and capable of sliding longitudinally thereof and of swinging pivotally upon the said shaft, a portion of said casing being at all times interposed between said shaft and said tub wall, means for moving the said shaft toward said wall whereby to bring the said portion against the wall, and wringer mechanism within said casing and operatively connected with said shaft.

1,505,870. PROCESS OF TREATING HYDROCARBON OILS. HARRY H. CULMER, Chicago, Ill. Filed Apr. 4, 1919. Serial No. 287,445. 4 Claims. (Cl. 196—50.)



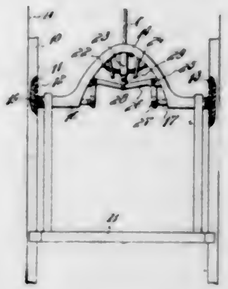
1. A method of lowering the viscosity of hydrocarbon oil consisting in spraying the oil upon a bed of incandescent coke contained in closed externally heated retorts, maintaining the coke at temperatures regulated to prevent the formation of any substantial quantity of incondensable gases, withdrawing the treated oil and products of distillation from the coke body by passing it from the hotter to the cooler portions.

1,505,871. WALL TIE. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 627,798. 7 Claims. (Cl. 72—103.)



1. As an article of manufacture, a wall tie formed from a single piece of metal having an intermediate corrugated portion and marginal expanded metal portions.

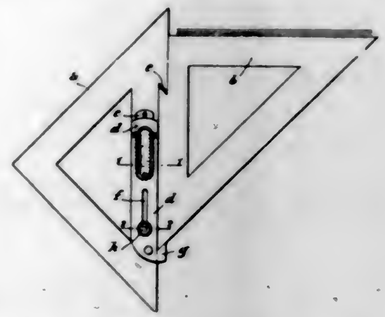
1,505,872. SAFETY CATCH FOR ELEVATORS. ALVA DEERWESTER, Butler, Mo. Filed July 6, 1923. Serial No. 649,935. 2 Claims. (Cl. 187—84.)



1. A safety device for elevators comprising the combination with an elevator of a frame at the top thereof, said frame being of arch shape and including oppositely extending tubular guides, outwardly spring pressed plungers slidable within said guides, angle levers pivoted at their angles at the inside of the arch portion and having depending arms having slot and pin connection with the inner ends of the plungers, the top of the arch having an opening, the hoisting cable extending through said opening, a leaf spring within the arch and engaging thereagainst, retaining guide brackets of loop like formation on the arch portion straddling the spring, a head carried by the lower end of the cable and located within said arch portion, said spring extending through and being rigidly carried by said head, and a link pivotally connected with the head and with the inner ends of said angle levers.

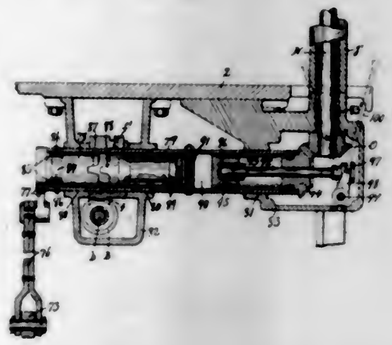
1,505,873. DEVICE FOR DRAWING PARALLEL LINES. GIUSEPPE D'ERAMO, Rome, Italy. Filed Apr. 6, 1923. Serial No. 630,312. 1 Claim. (Cl. 33—110.)

A device for accurate drawing parallel lines at an equal given distance with micrometric approximation consisting in the combination of two squares of any suitable material disposed with the cathetus of square =*b*= slidable along the hypothenuse of square =*a*=, a graduated guide on the hypothenuse of the square =*a*=, a longitudinally slotted slide mounted on the guide and having a guiding line and nonius subdivisions thereon, said slide being provided at one end with a projection extending into the path of the other square and limiting the movement of the latter, and a thumb screw passing through the slot and securing the slide to the square,



the squares being provided with abutments =*c*= fixing the relative position when coinciding with the zero of a nonius on the slide =*d*=, the graduations of guide and slide being in millimeters and in inches.

1,505,874. DRIVE MECHANISM FOR COMBINED WASHERS AND WRINGERS. JOHN N. DERSCHUG, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Original application filed Jan. 31, 1920, Serial No. 355,515. Divided and this application filed Oct. 25, 1921. Serial No. 510,297. 7 Claims. (Cl. 74—7.)

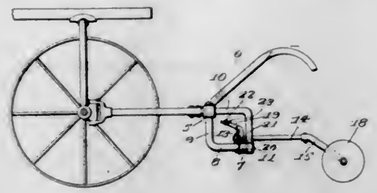


1. In a machine of the character described, two parallel upright shafts, a tubular horizontal shaft, means for rotating the tubular shaft, a clutch section loosely journaled in the tubular shaft to allow said tubular shaft to rotate independently thereof, means movable within said tubular shaft for causing the clutch section to rotate therewith, means driven by the tubular shaft for rotating one of the upright shafts, and means driven by the clutch section when driven by the tubular shaft for reciprocating the other upright shaft endwise.

1,505,875. CULTIVATOR ATTACHMENT. ALON E. EARLEY, Seminole, Okla. Filed Mar. 1, 1922. Serial No. 540,259. 2 Claims. (Cl. 97—54.)

1. In a cultivator attachment, the combination with the shovel bar, of a supporting beam maintained by and spaced parallel from said shovel bar, a sleeve carried by said supporting beam, a sector on said sleeve having a

central aperture, a disc beam engaged and maintained in said aperture, an arm rigidly secured to said disc beam



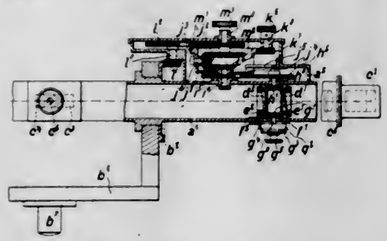
and overlying the sector, a latch carried by said arm and engaged with the teeth of said sector, and a disc bar carried by said disc beam.

1,505,876. SHADE AND CURTAIN BRACKET. JOHN T. EDGAR, Cambridge, Ohio. Filed Apr. 1, 1922. Serial No. 548,662. 2 Claims. (Cl. 156—23).



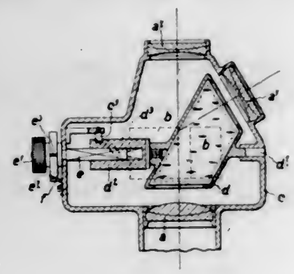
1. A device of the character described comprising bracket members adapted for disposition against the face of a window casing at the top thereof, and provided with means for penetrating engagement with the top and outer edge of the casing, the bracket member including a cylindrical portion formed with a slot, the cylindrical portion being formed integrally upon the casing engaging portion and being of considerable length, forwardly extending curtain pole supporting elements carried by the brackets and overlying said cylindrical portion, blocks slidable within the brackets and carrying arms projecting through the slots for supporting a shade roller, and spring members within the cylinder portions having one end secured and their other ends connected with the blocks whereby to urge them always toward each other.

1,505,877. TELEMETER. OTTO EPPENSTEIN, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,106. 4 Claims. (Cl. 88—2.7.)



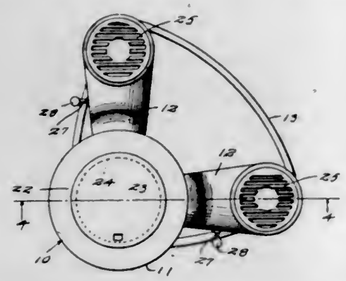
1. The combination of a bearing body with a telemeter rotatably supported on this body, the telemeter comprising a deflecting device, adapted to alter the relative position of two images of the object to be measured which are presented to the observer, a range scale and an index fitted to the telemeter relatively to one another, a differential gear fitted to the telemeter and comprising two crown wheels and a planet pinion, a gearing interposed between the said bearing body and one of the two crown wheels and adapted to convert a rotation of the telemeter relatively to the bearing body into a rotation of this crown wheel proportional to the logarithm of the sine of the angle of rotation of the telemeter reckoned from the horizontal direction of sight of the telemeter, another gearing interposed between the said deflecting device and the other crown wheel and adapted to convert the relative movement of the range scale and the index into a rotation of the latter crown wheel proportional to the logarithm of the range indicated in each case on the range scale, and an actuating mechanism, adapted to rotate the said planet pinion about the common axis of the crown wheels.

1,505,878. TELESCOPE. HEINRICH ERFLE, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 26, 1922. Serial No. 584,562. 3 Claims. (Cl. 88—33.)



1. In a telescope a prism system, containing two lateral boundary surfaces parallel to each other and a number of reflecting surfaces inclined to these boundary surfaces, the said prism system being rotatable so as to occupy two positions, in the one of which the telescope axis being divided by the reflection on the said reflecting surfaces into two parts embracing an angle and in the other one of which the prism system's lateral boundary surfaces being perpendicular to one of these two parts of the telescope axis so as to be traversed by the rays passing through the telescope, and the said telescope further containing a changing device adapted to bring the said prism system from the one position into the other.

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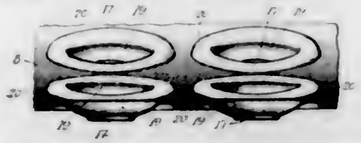


1. A heating attachment having a frame consisting of arcuate portions of substantially similar lengths, a heating drum adjacent one corner of the frame, flues extending from the drum and having their outlets adjacent the other corners of the frame, a leg supporting the heating drum extending from substantially one corner of the frame, and legs longer than said first leg supporting the flues and extending from the other corners of the frame.

1,505,880. PAVEMENT COMPOSITION. ANDREW MILLER FAIRLIE, Atlanta, Ga., assignor to Tennessee Copper & Chemical Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 633,278. 4 Claims. (Cl. 106—31.)

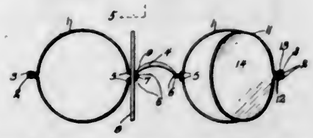
4. A plastic composition comprising an asphaltic cement thoroughly incorporated with a finely pulverized slag containing a small percentage of copper, such latter acting to harden and toughen the product.

1,505,881. WASHING MACHINE. ALVA J. FISHER, Evanston, Ill., assignor to Hurley Machine Company, Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 7, 1921, Serial No. 505,977. Divided and this application filed Oct. 6, 1923. Serial No. 666,966. 3 Claims. (Cl. 68—18.)



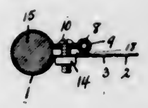
1. In a cylinder for washing machines, a metal wall having numerous outwardly extending conical depressions projecting beyond the periphery of the wall and each provided with a hole in its apex of substantially smaller diameter than that of the base of the cone to provide water pockets, the sides of the depressions being outwardly curved, the metal bounding each hole and integral with the wall being rolled outwardly back upon itself to form a smooth, unbroken rounded edge around the hole.

1,505,882. DRIVING GLASSES. JOSEPH E. GEIGER, New Kensington, Pa. Filed Sept. 26, 1921. Serial No. 503,338. 5 Claims. (Cl. 2—14.)



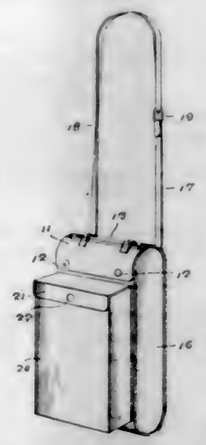
1. Driving toggles including frames and lens sections hinged to said frames for horizontal swinging movement with respect thereto, corresponding sides of the respective lens sections being hinged to corresponding sides of the respective frames.

1,505,883. ADJUSTABLE TUBING CLIP. FREDERICK H. GLEASON, Auburn, N. Y., assignor to Bowen Products Corporation, Auburn, N. Y., a Corporation of New York. Filed July 18, 1923. Serial No. 652,371. 7 Claims. (Cl. 24—243.)



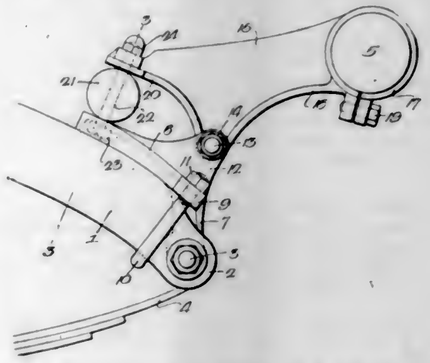
2. A tubing clip comprising a bendable strip of metal having one end portion return bent upon the body of the strip, and connected to the body by a transverse substantially cylindrical portion, said return bent portion formed with an opening and said strip formed with an opening registering with the opening in the return bent portion, and said strip formed near its opposite end with a plurality of openings arranged at different distances from the end of the strip and lines extending transversely of the strip between the last-named openings.

1,505,884. CASE. FRANK C. GOLDQUIST, Galesburg, Ill. Filed Dec. 1, 1922. Serial No. 604,338. Renewed June 20, 1924. 2 Claims. (Cl. 190—52.)



1. The combination with a camera case including a film compartment, of a container adapted to fit within said compartment, said container comprising a casing shaped to receive a plurality of rolls of film arranged in parallelism, said casing being provided at each end with an opening for the passage of the rolls and means for yieldingly holding the rolls in position.

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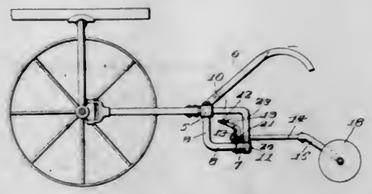


1. The combination in a bumper, of a bearing plate having an extension on one side perforated for the passage of a spring bolt and having a bearing on its upper surface; a two-armed bracket pivotally mounted on the bearing; a bumper bar carried by one arm, the other arm extending beyond the pivot; and a yielding member located between the rear arm of the bracket and the bearing plate.

1,505,886. INSECT DESTROYER. JESSIE G. HALEY, Wellston, Okla. Filed Feb. 28, 1923. Serial No. 621,898. 5 Claims. (Cl. 43—138.)

4. A machine of the class described comprising a hollow body, supporting wheels therefor, a brush supported within the body and extending therebelow for contact with the surface over which the machine traverses, means

central aperture, a disc beam engaged and maintained in said aperture, an arm rigidly secured to said disc beam



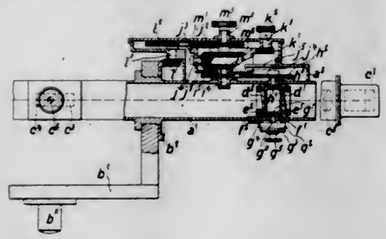
and overlying the sector, a latch carried by said arm and engaged with the teeth of said sector, and a disc bar carried by said disc beam.

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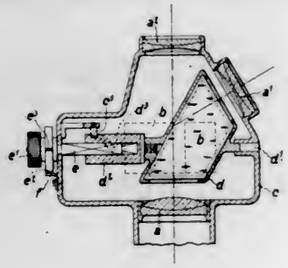
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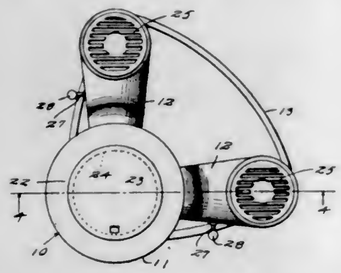
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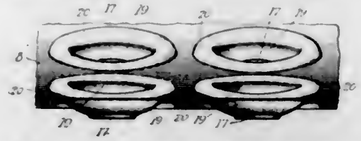


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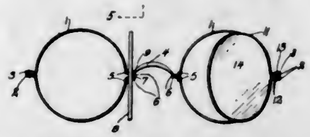
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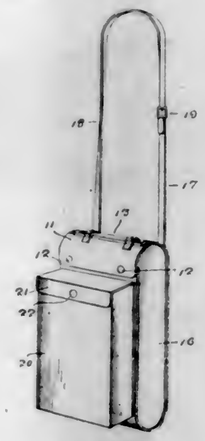
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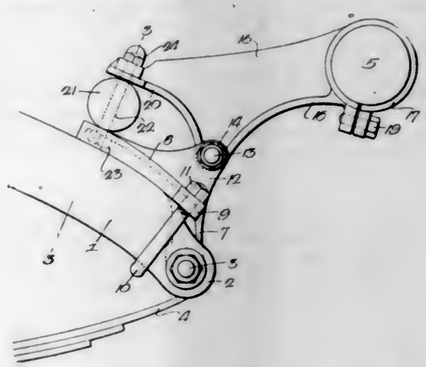
2. A tubing clip comprising a bendable strip of metal having one end portion return bent upon the body of the strip, and connected to the body by a transverse substantially cylindrical portion, said return bent portion formed with an opening and said strip formed with an opening registering with the opening in the return bent portion, and said strip formed near its opposite end with a plurality of openings arranged at different distances from the end of the strip and lines extending transversely of the strip between the last-named openings.

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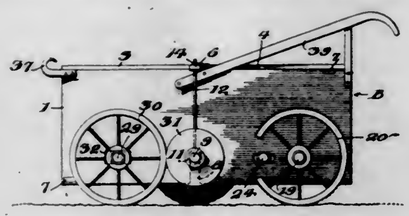


1. The combination in a bumper, of a bearing plate having an extension on one side perforated for the passage of a spring bolt and having a bearing on its upper surface; a two-armed bracket pivotally mounted on the bearing; a bumper bar carried by one arm, the other arm extending beyond the pivot; and a yielding member located between the rear arm of the bracket and the bearing plate.

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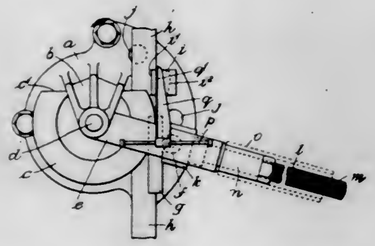
4. A machine of the class described comprising a hollow body, supporting wheels therefor, a brush supported within the body and extending therebelow for contact with the surface over which the machine traverses, means

whereby certain of the supporting wheels rotate said brush, a crushing medium arranged within the body, a wall within the body at the opposite side of the brush and



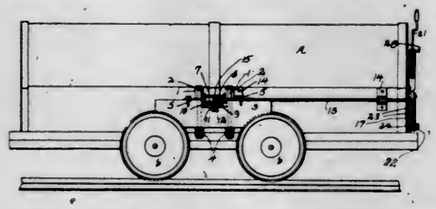
in close proximity thereto, and a second wall positioned rearwardly of the crushing medium and immediately adjacent thereto.

1,505,887. TUBE-BENDING MACHINE. JOHN HENRY HAWES, London, England. Filed Oct. 12, 1923. Serial No. 668,151. 5 Claims. (Cl. 153—45.)



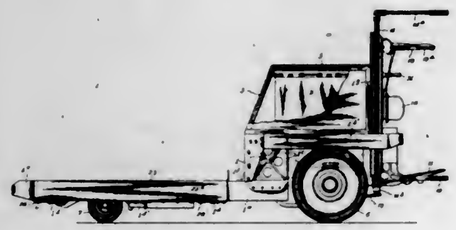
1. A tube bending machine of the kind referred to comprising the combination of a radius wheel or former and shield with coacting faces grooved and proportioned to the tube to be bent, a radial lever adapted to turn on the axis of the radius wheel or former, a bending roller mounted upon said lever, a screw device for adjusting the position of the bending roller longitudinally of the radial lever, an angular gauge mounted upon said radial lever and adapted to permit of the correct angular working position for the bending roller being quickly and accurately determined for the different sizes of tubes and radius wheels.

1,505,888. BRAKING MEANS. CURG W. HELTMAN, Indiana, Pa., assignor, by direct and mesne assignments, to Safety Mine Car Brake Company, Indiana, Pa., a Corporation of Pennsylvania. Filed July 22, 1921. Serial No. 486,821. 7 Claims. (Cl. 188—57.)



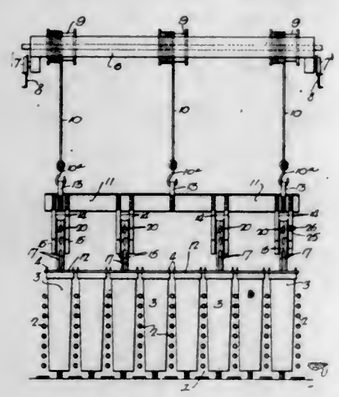
1. In braking means, in combination with a car, brake blocks positioned adjacent to the wheels of the car, an operating lever mounted on the car, means for causing movement of the blocks away from the wheels, and connections between said lever and the blocks and acting through tension only for forcing the blocks toward the wheels when the lever is rocked in either direction away from central position and for releasing said blocks when the lever is rocked toward central position.

1,505,889. TRUCK. JOHN H. HERTNER, Lakewood, Ohio, assignor to The Baker R. & L. Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 10, 1919. Serial No. 322,835. 22 Claims. (Cl. 254—5.)



1. In an elevating platform truck, the combination of a frame comprising a relatively low platform carrying section and an elevated section, traction wheels for said elevated section, means supported by said elevated section for driving said traction wheels, supporting wheels for said platform carrying section, a platform carried by said latter section and bodily movable relatively thereto, a motor carried by said platform carrying section and disposed between the side member thereof, and connections between said motor and said platform for raising and lowering the latter.

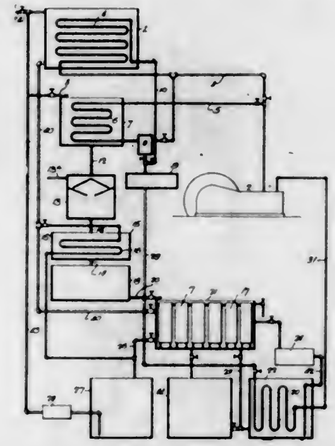
1,505,890. LIFTING DEVICE. WILLIAM E. HEXAMER, Philadelphia, Pa. Filed Feb. 3, 1922. Serial No. 533,920. 11 Claims. (Cl. 294—87.)



1. The combination of a series of containers arranged in a row; a crane; at least one bar supported from the crane at a plurality of points; and hooks on the containers in position to be detachably engaged by said bar.

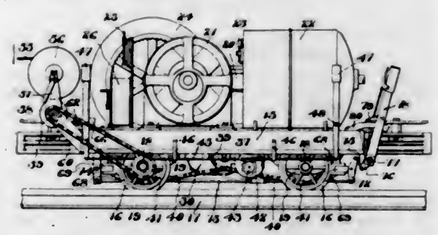
1,505,891. REFRIGERATING SYSTEM. WILLIAM E. HEXAMER, Philadelphia, Pa. Filed Dec. 12, 1922. Serial No. 606,372. 4 Claims. (Cl. 62—157.)

4. The combination in a refrigerating system of a source of heated refrigerant; a condenser and a heat exchanger both connected to receive heated gas from said source; means for delivering cooling water to the heat exchanger; a deaerator connected to receive water after it has been heated in the heat exchanger; a cooler for lowering the temperature of the water after its passage through the deaerator; and a freezing tank con-



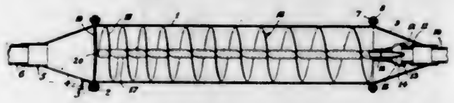
nected to receive water from said cooler; with a connection for delivering water from the condenser to the freezing tank for melting loose the ice formed therein.

1,505,892. PORTABLE COMPRESSING APPARATUS. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 5, 1918. Serial No. 220,603. 18 Claims. (Cl. 105—27.)



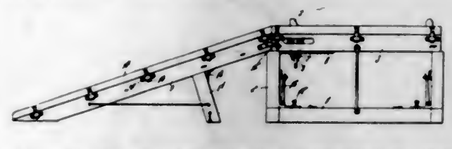
1. The combination with a truck and unitary compressing mechanism thereon, of unitary mechanism for propelling said truck, and means for alternatively supplying power to said mechanisms, respectively.

1,505,893. SILENCER FOR INTERNAL-COMBUSTION ENGINES. WILLIAM HUNTER and MAY GILL, Blackpool, England. Filed Mar. 6, 1920. Serial No. 363,808. 6 Claims. (Cl. 137—160.)



3. A silencer for internal combustion engines comprising a cylindrical tube partially closed by a resilient diaphragm having a central perforation, an ejector tube opposite said perforation and adapted to receive part of the gases and baffling means to baffle the other part of the gases.

1,505,894. VEHICLE SUPPORT. JOSEPH M. IRVING, Bradford, Mass., assignor of one-half to Emma E. Bard, Bradford, Mass. Filed Jan. 5, 1924. Serial No. 684,613. 1 Claim. (Cl. 254—88.)



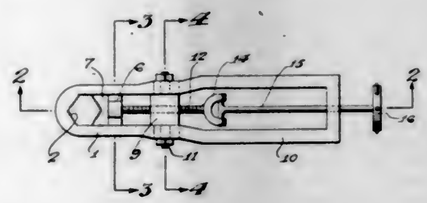
A device of the class described, comprising a frame, including a pair of upper side pieces, a stationary cross piece and a movable cross piece, a crank shaft, gears thereon and racks on the side piece engaged by the gears for adjusting the cross piece.

1,505,895. HOSE CLAMP. KARL F. W. KEMPF, Buffalo, N. Y. Filed Aug. 24, 1921. Serial No. 494,916. 11 Claims. (Cl. 24—9.)



1. A hose clamp comprising an open band adapted to encircle a hose and having opposite ends in overlapping relation, a pair of lugs formed on said band at the extremity of the overlapped end thereof, a rotatable element mounted between said lugs and adapted to engage the overlapping end of said band to tighten said band around the hose, and means carried by said rotatable element adapted to engage said lugs for retaining said rotatable element in tightened position.

1,505,896. WRENCH. ANDREW J. KERSHNER, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 619,475. 2 Claims. (Cl. 81—177.)



1. In a wrench, a substantially U shaped body having a wrench jaw on the inner edge of its bight portion, a block slidably carried by the legs of said body, a wrench jaw carried by said block, a block rigidly attached to said body, a handle structure pivotally carried by said rigid block, and means carried by said handle structure and rigid block and connected to said slidable block for adjusting the position of the jaw carried thereby.

1,505,897. WRENCH. ALEX KIKTA, Flint, Mich. Filed Dec. 4, 1923. Serial No. 678,472. 5 Claims. (Cl. 81—64.)

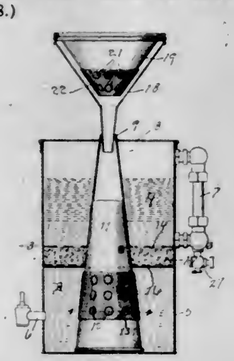
1. A wrench comprising a hollow handle member provided with a pair of opposed lengthwise extending spaced racks to provide a series of alining fulcrums, a clamping lever extending into said handle member and pro-

vided with a pivot detachably engaging with an operating on a pair of said alining fulcrums, and a shiftable clamping member formed of a length of flexible material



having its ends connected to the forward end of said clamping lever to provide a loop extending through and projecting from the forward portion of said handle member.

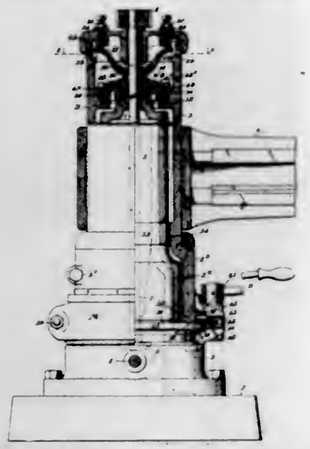
1,505,898. FILTER. BARRY KIRBY, Los Altos, Calif. Filed Sept. 26, 1923. Serial No. 664,990. 1 Claim. (Cl. 210—48.)



A device of the character described comprising a receptacle, a cone-shaped member having an inlet at its reduced end and being closed at its large end, perforations formed in the side of said cone member, a screen positioned over said perforations, said cone-shaped member being centrally positioned within said receptacle and having its inlet adjacent the top of said receptacle, a funnel disposed into said inlet of said cone, a strainer mounted within said funnel, perforated plates mounted on said cone and spaced one from the other, said plates contacting the side walls of said receptacle, a filtering material positioned between said plates, and means for withdrawing fluid from said receptacle.

1,505,899. SPRING-SUSPENSION COLUMN CLAMP. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 3, 1924. Serial No. 684,154. 10 Claims. (Cl. 77—28.)

1. A radial drill combining a base and a non-rotatable post upstanding thereon; a sleeve suspended from the upper end of said post and having its lower portion circumscribing said post; said post being provided adjacent its lowermost end with an annular platform and said sleeve having an annular seat arranged in immediate proximity with said platform; said platform and seat being in the nature of weight supporting surfaces; an individual resilient element interposed between the upper



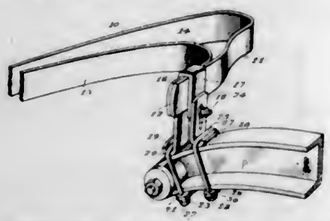
ends thereof and adapted normally to support the greater portion of the weight of the sleeve and its attached parts; and means for depressing said sleeve upon said platform against the yielding opposition of said resilient element.

1,505,900. AUTOMOBILE BUMPER BRACKET. GEORGE F. KOLB, Fairfield, and JOHN H. LUCAS, Bridgeport, Conn., assignors to The Bullard Machine Tool Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 31, 1923. Serial No. 660,264. 8 Claims. (Cl. 293—55.)



1. An automobile bumper bracket adapted for attachment to shackle bolts in the frame ends of an automobile, and having means for supporting a bumper bar, and a pocket adapted for slidable and detachable engagement with shackle bolts of different sizes, and means for securing said bracket to said frame.

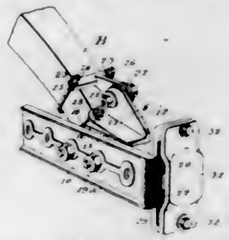
1,505,901. AUTOMOBILE BUMPER BRACKET. GEORGE F. KOLB, Bridgeport, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 13, 1923. Serial No. 662,430. 8 Claims. (Cl. 293—55.)



1. In an automobile bumper for use upon the frame ends of an automobile, a bumper bar, and an attaching bracket supporting said bar and comprising an

inverted U-shaped member including an adjustable two-piece leg adapted to be extended or contracted, connecting means for connecting one of said legs to the frame, and a single bolt adapted to secure the adjustable legs to each other to fix the position of the bracket, and to clamp the bumper bar in the bracket.

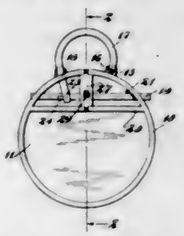
1,505,902. AUTOMOBILE BUMPER BRACKET. GEORGE F. KOLB, Fairfield, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 12, 1924. Serial No. 692,240. 7 Claims. (Cl. 293—55.)



1. An automobile bumper bracket for attachment to the frame end of an automobile comprising a pair of bracket members having projected flange portions, one of the pair forming an attaching face for a bumper bar and the other a fixed member of an adjustable connection, a clamping bolt for securing one of the bracket members to a chassis frame, one of the bracket members being hingedly connected to the other member, and a bumper bar secured to the first named bracket member.

1,505,903. [WITHDRAWN.]

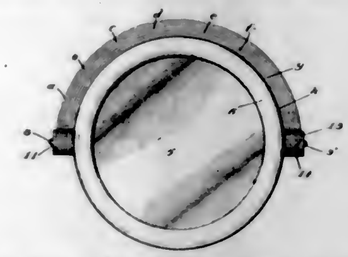
1,505,904. PADLOCK. JAN KRZESINSKI, Nanticoke, Pa. Original application filed Dec. 1, 1922, Serial No. 604,232. Divided and this application filed May 18, 1923. Serial No. 639,817. 1 Claim. (Cl. 70—106.)



A pad lock of the character described, comprising a perforated lock casing, a shackle, a recessed extended opposite end for said shackle, a horizontal recessed bolt sliding through the perforations of said casing, means for limiting the movements of said bolt in one direction, a plate, a transversal, recessed sliding bolt slidably resting in said plate for locking and unlocking said horizontal bolt, and a tongue formed with said horizontal bolt adapted to be engaged in the recess of said shackle for locking the same.

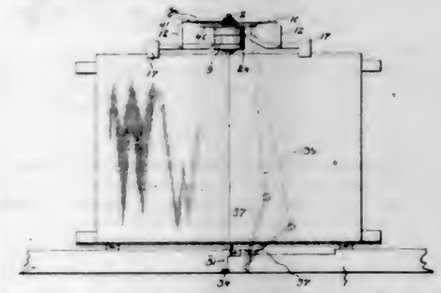
1,505,905. SHUTTER FOR AUTOMOBILE LAMPS. LOUIS LECLERC, Maria, Quebec, Canada. Filed Feb. 28, 1923. Serial No. 621,921. 2 Claims. (Cl. 240—45.2.)

1. In combination with a lamp, a shutter therefor comprising a plurality of arcuate screen members, each of said members having its ends pivoted to opposite sides of the lamp, the ends of each side being superposed, said ends being notched progressively at each side of the lamp, the notches in the ends at one side increasing from the outer end to the inner one, while the notches in the ends at the opposite side increase



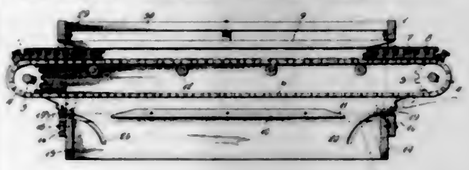
from the inner end to the outer one, an operating device secured to the end of the outer shutter at one side of the lamp and having a tongue extending through the notches at said side, and a stationary stop member fixed to the other side of the lamp and extending through the notches in the ends at said side.

1,505,906. MUSIC-LEAF TURNER. WALTER S. LUKAWSKI, Chicago, Ill. Filed June 24, 1921. Serial No. 480,209. 2 Claims. (Cl. 84—494.)



1. In a music leaf turner, the combination of a shaft and a plurality of oscillatory mounted bracing arms, music leaf carrying arms rigidly connected to said oscillatory arms, and pivotally mounted on said shaft, said music leaf carrying arms provided with horizontally positioned portions having openings therein, pivotally supported latches engaging in said openings for preventing movement of the pivotally mounted music leaf carrying arms, a release lever, and means for engaging said release lever and latches for releasing the latches to permit swinging movement of the music leaf carrying arms.

1,505,907. CONVEYER. EDWARD JOSEPH MCCLAUGHERTY, Princeton, W. Va. Filed Apr. 18, 1923. Serial No. 632,973. 3 Claims. (Cl. 198—229.)



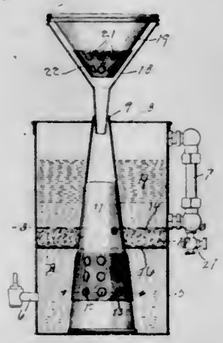
1. A device of the character described comprising a frame, bearings rotatably mounted adjacent the opposite ends of said frame, endless carriers engaged about and

vided with a pivot detachably engaging with an operating on a pair of said alining fulcrums, and a shiftable clamping member formed of a length of flexible material



having its ends connected to the forward end of said clamping lever to provide a loop extending through and projecting from the forward portion of said handle member.

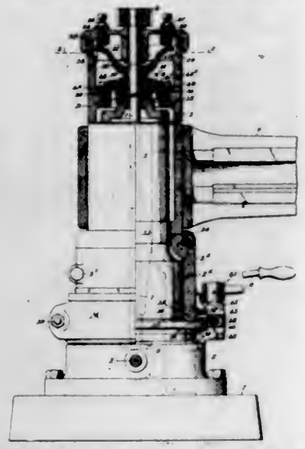
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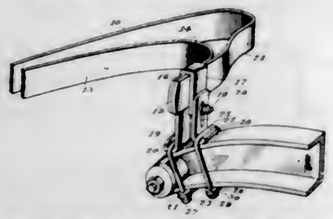


ends thereof and adapted normally to support the greater portion of the weight of the sleeve and its attached parts; and means for depressing said sleeve upon said platform against the yielding opposition of said resilient element.

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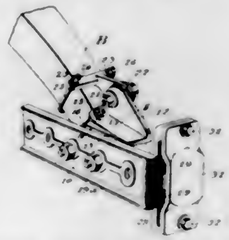
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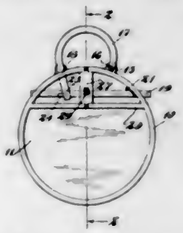
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1,505,903. [WITHDRAWN.]

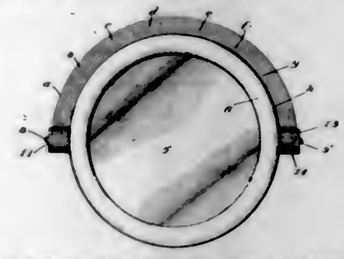
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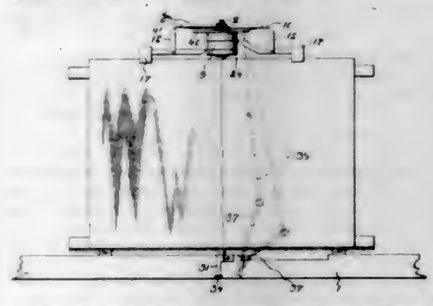
1,505,905. SHUTTER FOR AUTOMOBILE LAMPS. LOUIS LECLERC, Maria, Quebec, Canada. Filed Feb. 28, 1923. Serial No. 621,921. 2 Claims. (Cl. 240—45.2.)

1. In combination with a lamp, a shutter therefor comprising a plurality of arcuate screen members, each of said members having its ends pivoted to opposite sides of the lamp, the ends of each side being superposed, said ends being notched progressively at each side of the lamp, the notches in the ends at one side increasing from the outer end to the inner one, while the notches in the ends at the opposite side increase



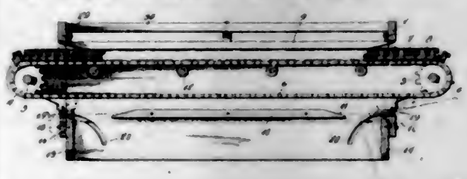
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1. In a music leaf turner, the combination of a shaft and a plurality of oscillatory mounted bracing arms, music leaf carrying arms rigidly connected to said oscillatory arms, and pivotally mounted on said shaft, said music leaf carrying arms provided with horizontally positioned portions having openings therein, pivotally supported latches engaging in said openings for preventing movement of the pivotally mounted music leaf carrying arms, a release lever, and means for engaging said release lever and latches for releasing the latches to permit swinging movement of the music leaf carrying arms.

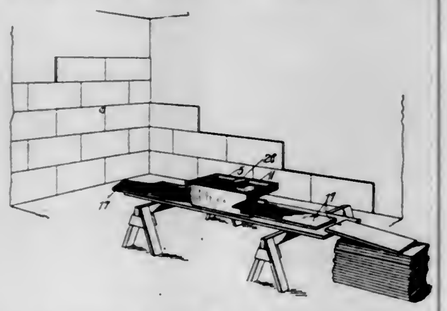
1,505,907. CONVEYER. EDWARD JOSEPH MCCLAUGHERTY, Princeton, W. Va. Filed Apr. 18, 1923. Serial No. 632,973. 3 Claims. (Cl. 198—229.)



1. A device of the character described comprising a frame, bearings rotatably mounted adjacent the opposite ends of said frame, endless carriers engaged about and

movable over said bearings, a sectional platform secured to said carriers, arms pivotally mounted in the lower portions of the opposite ends of said frame, bars interconnecting said arms, spring means connected to said bars and to the adjacent sides of said frame, means engaging one of said bars for retaining the pivotal arms in normally upright positions, and cleaning means carried by said arms adapted to be engaged with the surface of said platform with movement of the same.

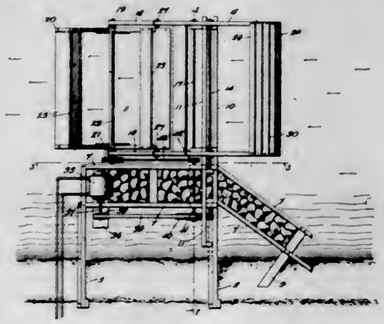
1,505,908. METHOD AND APPARATUS FOR APPLYING PLASTIC COMPOSITIONS. ARCHIBALD MACKINNON, Tuckahoe, N. Y. Filed July 25, 1923. Serial No. 653,730. 9 Claims. (Cl. 91—68.)



1. The method of applying a plastic composition to the surface of a piece of material which consists in depositing layers of a pulverulent substance along the sides of a surface to be covered and then feeding the plastic composition between the said layers as the piece of material is moved from one position to another.

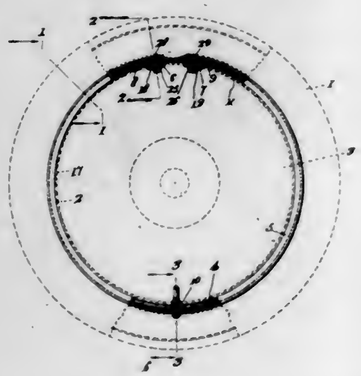
4. An apparatus of the class described comprising a hopper having an outlet at its front end, a second hopper adjacent the first mentioned hopper, a false bottom extending beneath both of the hoppers, means for depositing a pulverulent substance through the false bottom and at the sides thereof and means for sliding a piece of material below the false bottom to receive the discharge of the pulverulent material in advance of material from the first hopper.

1,505,909. HYDRAULIC-POWER PLANT. OTTO MELIN and CLARENCE M. MELIN, Emigrant, Mont., assignors of one-third to A. W. T. Anderson, Emigrant, Mont. Filed Jan. 15, 1923. Serial No. 612,767. 2 Claims. (Cl. 170—107.)



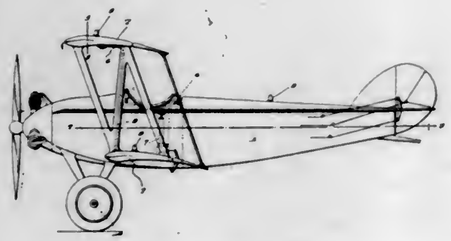
1. A hydraulic power plant comprising a frame-work fixed at the side of a stream, supports extending out from the frame-work over the water, arms pivotally carried from said supports, a water wheel rotatably mounted in the free ends of said arms, said arms adapted to extend downwardly from their pivot points when the water wheel is in operative position in the stream, uprights upon said supports adjacent the pivotal ends of the arms, a lever fulcrumed upon said supports and adapted to carry weights at its outer end, the inner end portion of the lever extending above and overlapping the said arms, links pivoted to the inner end of the lever and in intermediate portion of the arms, and means for taking off power from said water wheel.

1,505,910. TIRE ATTACHMENT. ANDRÉ JULES MICHELIN, Clermont-Ferrand, France. Filed Nov. 3, 1923. Serial No. 672,545. 7 Claims. (Cl. 152—20.)



3. A safety ring for holding the beads of vehicle tires upon rims comprising a metallic flexible but inextensible band having its free ends separated and adapted to extend about within the space between the beads of the tire and between the inner tube and the rim, a body of highly flexible rubber enveloping said band and formed substantially to the shape of the space between said beads of the tire and the inner tube and the rim, the band being less in width than the distance between the tire beads, said body of rubber extending across the space between the free ends of the ring and being of reduced section at this point, and means for adjustably and rigidly securing the free ends of the band to the rim.

1,505,911. AEROPLANE. DENVER E. MILLER, Shouns, Tenn. Filed Sept. 27, 1922. Serial No. 590,879. 1 Claim. (Cl. 244—5.)

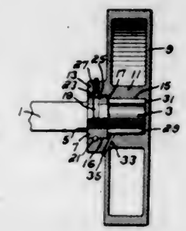


An air craft of the class described comprising a body formed with double walls, compartments in the body communicating with the spaces between the walls, hollow wings, a gas receptacle, pipes connecting the same with the spaces in the wings and body and a pump for forcing the gas into the spaces and valves for permitting the gas to be exhausted from said spaces.

1,505,912. VAT DYESTUFFS. PAUL NAWIASKY, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Jan. 30, 1923. Serial No. 615,922. 5 Claims. (Cl. 260—61.)

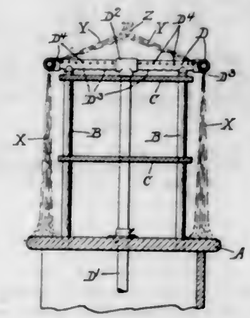
2. As a new article of manufacture a vat coloring matter of the dibenzanthrone series which dyestuff is derived from oxidized dibenzanthrone and contains bromine and methoxyl groups and which produces on cotton from the hydrosulfite vat brilliant green dyeings with a yellowish hue which do not bleed on undyed cotton when boiled together with it in soap solution and which dyestuffs dissolve in fuming sulfuric acid producing a solution remaining brown.

1,505,913. ATTACHING DEVICE FOR SKID WHEELS. AMOS W. WARNOCK, Somerville, Mass., assignor to Clarence H. Young, Boston, Mass. Filed Mar. 23, 1923. Serial No. 627,150. 6 Claims. (Cl. 301—122.)



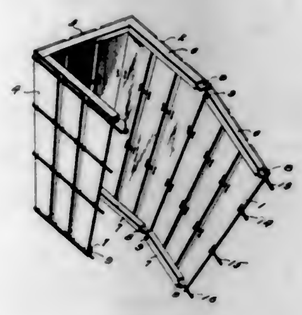
6. The combination with an axle, of a wheel having a bore of two diameters, the end portion of said axle being received in the portion of said bore of smaller diameter and said axle having a collar received in the portion of said bore of larger diameter, longitudinally extending rollers in said portion of said bore of smaller diameter for taking the vertical thrust of said wheel on said axle, said rollers at one of their ends being retained against axial motion relative to said axle by the bottom of said bore and at their other ends by said collar, and spherical rollers cooperating with said collar and the walls of the portion of said bore of larger diameter for retaining said axle against axial movement relatively to said wheel.

1,505,914. INSECT AND DUST PROTECTION. EDMUND G. WITTEBORG, Chicago, Ill. Filed Aug. 1, 1921. Serial No. 488,794. 8 Claims. (Cl. 98—27.)



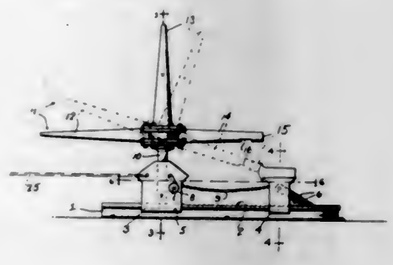
8. The combination with a display rack of means secured to it for projecting a continuous, rapidly moving air curtain about its sides and across its top.

1,505,915. METHOD OF FORMING RECTANGULAR HAMPERS AND THE LIKE. JAMES G. BOYD, Jacksonville, Fla. Filed June 28, 1921. Serial No. 481,046. 3 Claims. (Cl. 144—309.)



1. The method of constructing a shipping hamper rectangular in cross section which consists of first forming the respective sides of the hamper, wider at the top than at the bottom, then laying said sides beside each other in proper sequence, whereby a flat substantially fan shaped body is formed, then simultaneously stitching a plurality of wire strands of different length to said sides and completing the stitching operation of each strand of wire substantially simultaneously and leaving a material portion of each of said strands projecting free beyond the two outermost side sections.

1,505,916. BIT HAMMER AND JOINT BREAKER. MYRON BRANDENBERRY, Bloomdale, Ohio. Filed Dec. 11, 1922. Serial No. 606,149. 7 Claims. (Cl. 29—33.)

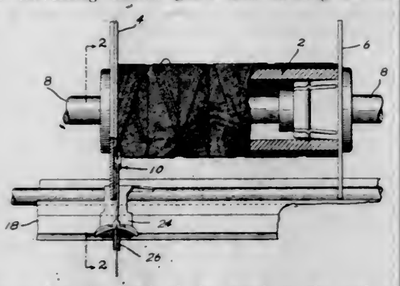


1. A device of the class described, comprising a hammer carrying member, an anvil carrying member, a hammer carrying lever movably mounted on the hammer carrying member, handles on the lever, an actuating member and means for connecting the actuating member to the hammer carrying member to reciprocate or rock it.

1,505,917. UNIVERSAL WOUND SPOOL, METHOD OF AND APPARATUS FOR USE IN MAKING THE SAME. ROBERT K. CLARK, Springfield, Mass., assignor to The American Thread Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 18, 1923. Serial No. 652,306. 8 Claims. (Cl. 242—26.)

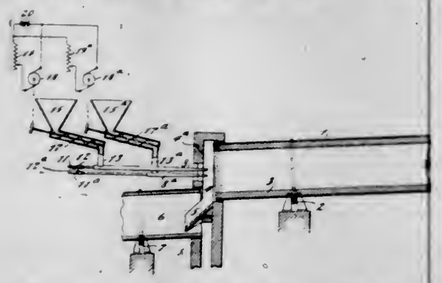
1. The method of winding a spool having a core and a flexible head of resilient material secured on one end thereof with a winding of the Universal type which

comprises cross winding the thread on the core by means of a traversing thread guide and causing the thread



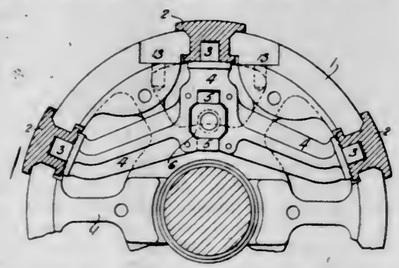
guide to flex the head of the spool at the end of its traverse between said head and laying the thread close to the original position of said head.

1,505,918. CEMENT FURNACE. ANDREW G. CADLL, Allentown, Pa., assignor to The Atlas Portland Cement Company, a Corporation of Pennsylvania. Filed Aug. 24, 1922. Serial No. 583,987. 2 Claims. (Cl. 222—4.)



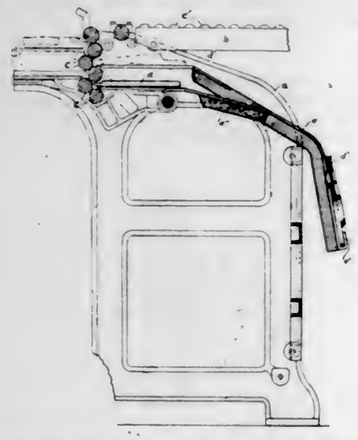
1. The method of burning fuel for cement kilns and the like which consists in admitting into a common combustion zone from separate sources finely divided fuels mixed with air, such fuels comprising one of a higher degree of combustibility such as bituminous coal and another of a lower degree of combustibility such as anthracite coal; and continuing combustion by so proportioning the relative amounts of such fuels admited to the combustion zone that there is a sufficient proportion amount of the more inflammable material to maintain the combustion of the less inflammable material and sufficient of the less inflammable material to supply a substantial portion of the heat.

1,505,919. PLATE CLAMP. ROBERT WILLIAM HATTON, Bromley, England, assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Nov. 3, 1923. Serial No. 672,499. 4 Claims. (Cl. 101—378.)



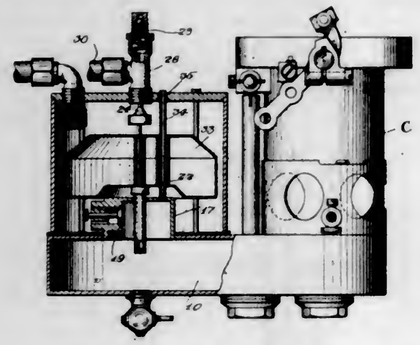
1. In means for securing a stereotype plate to a form cylinder, the combination of a plurality of plate clamps, a member having projections integral therewith and directly engaging the clamps and so mounted as to be capable of rocking, and means for moving the member longitudinally of the cylinder to effect the locking-up or release of the clamps.

1,505,920. PAPER-FOLDING MACHINE. REUBEN HITCHCOCK, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,018. 3 Claims. (Cl. 270—61.)



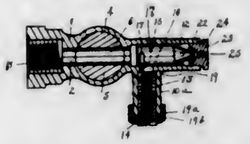
1. The combination with a paper folding machine having folding rolls and a coacting folding plate member, of lateral guides and terminal supports provided on the frame of the machine adapted to aid the insertion and removal of the folding plate member into and from its operative position, substantially as set forth.

1,505,921. CARBURETOR. FLOYD F. FLINT, Detroit, Mich., assignor of one-half to Maxwell W. Benjamin, Detroit, Mich. Filed Oct. 29, 1923. Serial No. 671,504. 5 Claims. (Cl. 152—36.)



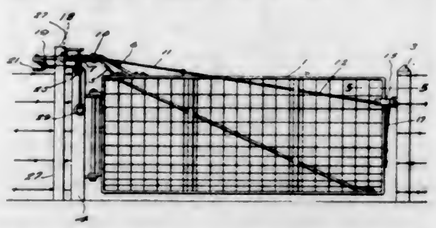
1. The combination with a source of liquid fuel supply, of a carburetor, a fuel receiving chamber communicating therewith, a conduit leading from the source of supply to the chamber, a source of suction entirely independent of the carburetor but connected to the chamber, and a relief valve interposed between the source of suction and the chamber, whereby an intermittent vacuum is obtained the maximum of which is substantially constant in said chamber independent of the pressure in the carburetor.

1,505,922. GAS COCK. GEORGE H. HARRIS, Utica, N. Y., assignor to Utica Valve & Fixture Company, Utica, N. Y., a Corporation of New York. Filed Apr. 14, 1921. Serial No. 461,326. 2 Claims. (Cl. 67—121.)



1. In a gas cock, a thimble having a conical shaped end located within said cock, apertures made in the thimble, whereby to cause the gas to flow therethrough in its normal swirling condition, an annular recess formed in the side of the thimble, a cam pin adapted to project through said recess, a screw for mounting said pin, a chamber having a conical shaped wall adapted to cooperate with the conical shaped end of the thimble, whereby to control the passage of the gas, said wall adapted to limit the movement of the thimble, and a shoulder formed in the casing, whereby to limit the movement of said screw.

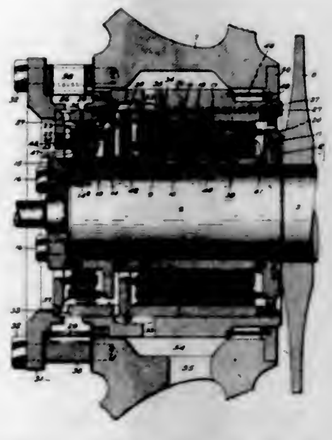
1,505,923. GATE. HARRY O. ROCKBOHR, Delmar, Iowa. Filed Nov. 28, 1921. Serial No. 518,272. Renewed June 11, 1924. 1 Claim. (Cl. 39—36.)



A hinged gate of the character described comprising a pair of brackets secured to the upper portion of the frame thereof one extending in advance of the other and arranged one above the other, an arm formed on each bracket and the arm being spaced in parallelism to provide bearing members, a bar pivoted midway at the ends of the arms and adjacent the meeting point of the brackets therewith, flexible elements secured to the respective ends of the bar and converging therefrom toward the central portion of the gate, a long flexible element secured to the ends of the converging flexible elements, and adapted to pass through an opening in the upper horizontal portion of the frame, a bail mounted for horizontal reciprocation around the free vertical portion of the frame and receiving the opposite end of the longer flexible element, a yoke pivoted between the free ends of the arms, parallel links loosely connecting the yokes with the bar, curved guide members formed on each end of the yoke, receiving posts arranged in the path of the gate on each side thereof and in the front respectively, cable carrying posts disposed beyond the side securing posts, a pulley for each cable carrying post, cables secured to each end of the yoke, said last-mentioned cables crossing between the ends of the yoke thence trained over the guide members and extended to be received by the pulleys and a latched receiving member on each of the securing posts for the purpose specified.

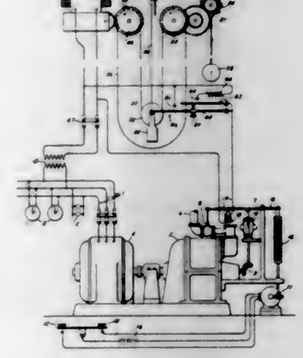
1,505,924. SHAFT PACKING FOR ELASTIC-FLUID TURBINES AND THE LIKE. GLENN B. WARREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 19, 1922. Serial No. 562,159. 2 Claims. (Cl. 286—9.)

2. In a packing, the combination of a shaft, a sleeve structure thereon provided with spaced flanges, a surrounding stationary housing, a sleeve structure thereon provided with spaced flanges which lie parallel to said



first-named flanges, axially-extending concentric sleeves yieldingly connected to said flanges, and packing teeth on adjacent surfaces of said sleeves.

1,505,925. AUTOMATIC REGULATION. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Dec. 12, 1921. Serial No. 521,589. 7 Claims. (Cl. 173—355.)

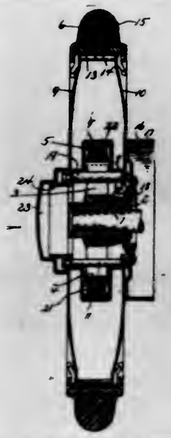


1. In a speed control system, rotating apparatus, an automatic governor adapted to keep the speed of said apparatus at a substantially constant normal value, means adapted to measure the average error in the speed of said apparatus, and means dependent on said average error measurement for producing a biasing force upon said governor.

1,505,926. VEHICLE WHEEL. NOAH CORNFIELD, Detroit, Mich., assignor to Acme Cushion Wheel Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 18, 1922. Serial No. 595,348. 10 Claims. (Cl. 152—43.)

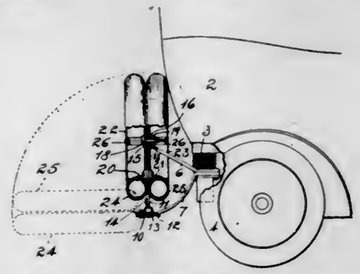
10. In a wheel, the combination with a hub and a rim, of a ring member mounted on said hub, means for de-

tachably securing said ring member to said hub, a resilient annulus mounted on said ring member, a casing



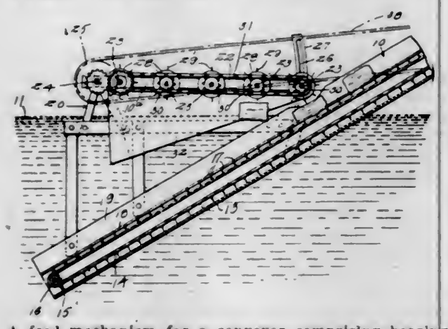
embracing opposite sides of said annulus and connected to said rim, and a driving connection between said casing and said ring.

1,505,927. TIRE AND WHEEL CARRIER FOR AUTOMOBILES. GEORGE G. BAYNE, Bushnell, Ill. Filed Dec. 18, 1917. Serial No. 207,661. 2 Claims. (Cl. 224—29.)



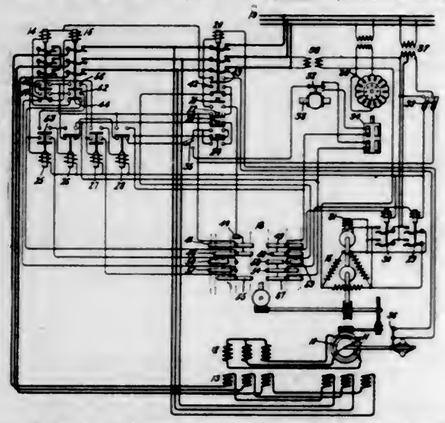
1. In a device of the class described, the combination with a support having an upper arm and a lower arm, a tire carrier hinged to said lower arm and provided with a slot opposite the other arm, a bolt extending through said slot and connecting said tire carrier to the upper arm, said bolt having a head so formed as to pass through said slot when properly turned.

1,505,928. FEED ATTACHMENT FOR CONVEYERS. EDWARD L. BUCK and EDMUND G. NADEAU, West Enfield, Me. Filed Jan. 2, 1923. Serial No. 610,268. 1 Claim. (Cl. 198—167.)



A feed mechanism for a conveyer comprising bearings secured to the conveyer, a shaft journaled in said bearings, a frame having side bars pivotally mounted by said shaft, said shaft journaled in said side bars, the conveyer having a second shaft, the latter shaft extending beyond the side bars, brackets on the conveyer having grooves into which the ends of the last shaft extend, sprocket wheels on all of said shafts, a sprocket chain passing over said sprocket wheels, means to drive one of said shafts, said shafts being adapted to pass over the object to be conveyed, feed rollers on said shafts to engage the object, and depending side plates on said side bars.

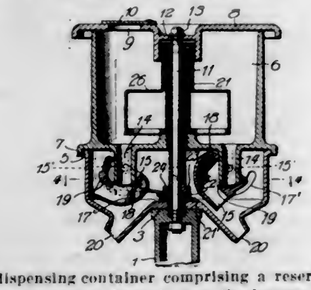
1,505,929. MOTOR CONTROL. ARTHUR C. PRESCOTT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,766. 6 Claims. (Cl. 172—274.)



1. A system of motor control comprising an electric motor of the commutator type having brushes which are adapted to be shifted to vary the motor speed and windings which are adapted to be connected in one relation for low speed operation and in a second relation for high speed operation, means for shifting the said brushes, switch mechanism for connecting the motor windings in either the low or be high speed relation, and connections whereby the said means is automatically operated to shift the motor brushes to compensate for the comparatively large change of speed effected by the change of the motor windings from one of said relations to the other.

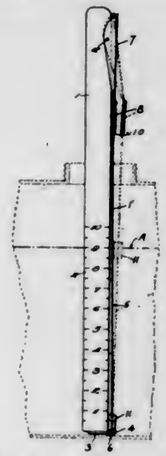
5. A system of motor control comprising a commutator type electric motor having brushes which are adapted to be shifted to vary the motor speed, means for shifting the said brushes, switch mechanism for connecting the motor to a source of supply, and connections between the said means and the said switch mechanism whereby the operation of the said switch mechanism is prevented unless the said brushes are in a predetermined position.

1,505,930. DISPENSING DEVICE. SIGMUND SCHREIBER, Pittsburgh, Pa. Filed Dec. 19, 1923. Serial No. 681,652. 5 Claims. (Cl. 221—95.)



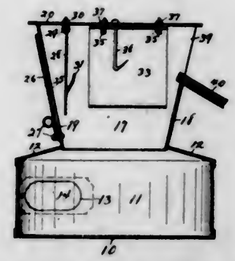
1. A dispensing container comprising a reservoir having apertured extensions formed upon the bottom of same, a base having discharge spouts in alignment with the apertured extensions, measuring cups pivoted beneath each of the apertured extensions, means formed on said cups extending through said base for discharging the contents of said cup through said discharging spout, and means for automatically returning the cup to an operative position.

1,505,931. LIQUID-DEPTH GAUGE. CECIL F. SIDERS, Norwood, Ohio. Filed Feb. 17, 1923. Serial No. 619,713. 2 Claims. (Cl. 73—120.)



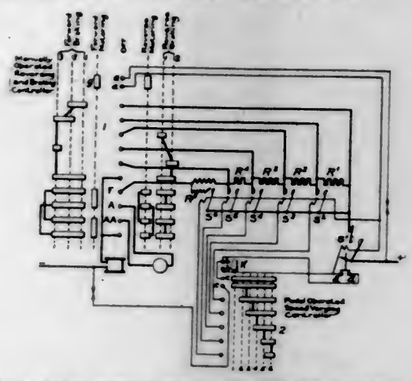
1. A liquid depth gauge comprising a rule having a scale on one face graduated in terms of liquid depth and a substantially straight edge, an operating lever pivoted intermediate its ends to said rule adjacent the upper end of the latter so that the ends of the lever are spaced from said straight edge, a flexible guide spaced from and extending parallel to the straight edge of the rule, means for securing one end of said guide to the lower end of the rule, a spring connecting the other end of said guide to the lower end of the lever, and a float mounted for sliding movement on said flexible member and adapted to normally frictionally engage the edge of said rule and, when the upper end of said lever is actuated, to be free to slide vertically along said member.

1,505,932. TRAP. HENRY BUTTRAM, Moran, Iowa. Filed Sept. 15, 1922. Serial No. 588,361. 1 Claim. (Cl. 49—64.)



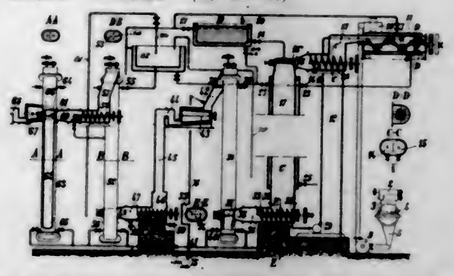
A trap comprising a cylindrical housing having a door and formed with a dome shaped top having an opening therein, a downwardly tapering cupola superposed on said top and having an open lower end portion extending through said top and communicating with said opening, said cupola being formed with an entrance opening vertically spaced from said top and also being formed with a door opposite to said entrance opening, a bait hanger suspended within and from the top of said cupola adjacent to said last-named door, false walls suspended within and from the top of said cupola substantially at right angles to said last-named door and an approach to said entrance opening.

1,505,933. CONTROL OF ELECTRICALLY-PROPELLED VEHICLES. HAMMOND CHARLES HASTINGS, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Sept. 20, 1922. Serial No. 589,460. 4 Claims. (Cl. 172—179.)



2. A motor control system comprising resistance in the motor circuit, a speed-varying master controller having a plurality of operative positions for controlling the said resistance, contactors controlled thereby for varying the said resistance, a separately operable reversing controller for controlling the connection of the motor to a source of supply in certain of its operative positions and for controlling the connection of the motor in a dynamic brake circuit in other of its operative positions, and electrical connections whereby moving the said reversing controller to a braking position connects the motor in a dynamic brake circuit including the said resistance independently of the position of the said speed-varying controller.

1,505,934. DEVICE FOR THE CONTINUOUS TREATMENT OF LIGNEOUS MATERIALS FOR THEIR TRANSFORMATION IN CELLULOSE. ANDRÉ OLIER, Clermont-Ferrand, France, assignor to Société Anonyme des Etablissemnts A. Olier, Clermont-Ferrand (Puy-de-Dome), France. Filed Dec. 15, 1921. Serial No. 522,616. 7 Claims. (Cl. 92—7.)



1. In a plant for the transformation of cellulose materials into paper pulp, a macerating apparatus in which the cellulose materials, previously torn, are subjected to a continuous translation in contact with the current of macerating liquid, a continuous press constituted by a worm rotating in a casing and communicating with the said macerating apparatus, a movable valve subjected to the antagonistic action of an antagonistic force, and opening under the thrust of the material for periodically putting the macerating apparatus in relation with the lye-washer.

Patents Nos. 1,505,935 to 1,506,730.

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Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 1, 1924.*

Lone Star Blacking & Mfg. Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Tom A. Tirado, jr., 703 West Alabama Street, Houston, Tex., for registration of a trade-mark and trade-mark registered May 31, 1910, No. 78,255, to Lone Star Blacking & Mfg. Co., 852 Commerce Street, Dallas, Tex., and a notice of such declaration sent by registered mail to said Lone Star Blacking & Mfg. Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Lone Star Blacking & Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 2, 1924.*

Eagle Water Heater Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the American Heater Corporation, of 1100 North Sixth Street, St. Louis, Mo., for registration of a trade-mark and trade-mark registered August 7, 1906, No. 55,000, to the Eagle Water Heater Company, 126–130 Sixth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Eagle Water Heater Company at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Eagle Water Heater Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,302,353, C. Friedrich, Luminous hair line, decided July 17, 1924, claims 1 to 10, inclusive.

Pat. 1,447,984, S. R. Howard, Package-transfer mechanism, decided August 11, 1924, claims 1 to 11 and 13 to 16, inclusive.

Pat. 1,465,853, Lewcock and Tallantyre, Manufacture of condensation products from carbazole and p-nitrosophenol and its derivatives, decided July 8, 1924, claims 1, 2, 3, 4, 5, 6, 8, and 10.

Pat. 1,477,870, C. Ellis, Artificial resin and method of preparation, decided July 14, 1924, claims 1, 3, and 5.

Interference Defined.

RULE 93. An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention. In order to ascertain whether any question of priority arises the Commissioner may call upon any junior applicant to state in writing the date when he conceived the invention under consideration. All statements filed in compliance with this rule will be returned to the parties filing them. In case the applicant makes no reply within the time specified, not less than ten days, the Commissioner will proceed upon the assumption that the said date is the date of the oath attached to the application. The fact that one of the parties has already obtained a patent will not prevent an interference, for, although the Commissioner has no power to cancel a patent, he may grant another patent for the same invention to a person who proves to be the prior inventor.

Disbarred Attorneys.

It is hereby directed that any person who has been disbarred from practice before the Patent Office by order of the Commissioner will be denied access to the files of the Office, either in his own capacity or as the representative of any other person or firm.

Condition of Applications Under Examination at Close of Business August 15, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,317; Trade-Mark Division, 1,844. Oldest new case, Dec. 17, 1923; oldest amended, Dec. 11, 1923. The dates given are 1924 except where † indicates 1923.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences, Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Jan. 26	Jan. 21	969
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 14	Jan. 18	844
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 1	Mar. 14	961
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 23	Mar. 5	954
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 3	Jan. 3	1,551
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 22†	Dec. 11†	1,175
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Feb. 16	Feb. 16	1,691
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 6	Apr. 19	1,460
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 12	May 7	629
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 23	Mar. 29	1,385
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 1	Mar. 31	1,004
380	12. PIERCE, P. P., Machine Elements	Mar. 20	Feb. 28	1,060
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Jan. 26	Feb. 1	1,099
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Jan. 5	July 11	726
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 28	Feb. 6	1,453
246*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 25	Jan. 26	2,623
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 4	Apr. 9	878
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 19†	Dec. 22†	2,020
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 21	May 19	858
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 3	Mar. 3	1,189
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 21	May 31	694
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Jan. 24	Feb. 1	1,260
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 21	Feb. 27	494
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 9	Feb. 11	951
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	May 16	May 28	872
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Dec. 18†	Dec. 22†	885
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 4	Mar. 3	1,089
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 4	Mar. 20	1,095
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 16	Feb. 4	1,086
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Mar. 14	Mar. 3	1,160
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 2	Jan. 24	1,022
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 8	Feb. 14	878
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 1	Feb. 7	1,225
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Feb. 21	Feb. 26	905
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 14	May 14	604
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 1	Feb. 14	1,487
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 18	Feb. 16	1,476
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 15	Mar. 3	1,480
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 25	Mar. 8	655
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Dec. 27†	Apr. 19	1,947
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 18	Mar. 14	729
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Dec. 17†	Jan. 2	1,891
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 25	Feb. 1	1,306
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 21	Mar. 22	1,137
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Feb. 1	Jan. 14	1,622
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 1	Feb. 7	941
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 22	Mar. 27	772
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 2	Jan. 10	2,268
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 31	Jan. 10	951
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Dec. 27†	Dec. 21†	1,654
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	.....	.....	.....
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 10	Mar. 13	882
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	.....	.....	.....
102	DESIGNS: C. O. MARKHAM (Acting)	July 10	July 8	580
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. Trade-Marks	July 14	July 18	1,756
	Labels and Prints	Aug. 6	Aug. 8	88

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

THEODORE A. HEYER, DOING BUSINESS AS T. A. HEYER DUPLICATOR COMPANY, *v.* DUPLICATOR MANUFACTURING COMPANY.

Decided November 12, 1923.

CONTRIBUTORY INFRINGEMENT—REPLACEMENT OF PERISHABLE PARTS.

Purchasers of patented multiple copying machines one element of which is a duplicating band of gelatine, to which is transferred the print to be multiplied, have a right to replace the bands from any source that they choose, and the defendant in selling them does no wrong. (*Leeds* v. *Catlin*, 213 U. S., distinguished.)

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

Mr. Samuel Walker Banning, with whom *Mr. Thomas A. Banning* was on the brief, for Heyer.

Mr. George L. Wilkinson, with whom *Mr. Henry M. Huxley* was on the brief, for Duplicator Manufacturing Company.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a bill in equity brought by the respondent against the petitioner alleging the infringement of a patent. The district court dismissed the bill, but the circuit court of appeals gave the respondent a decree, one judge dissenting upon the main point. 284 Fed. Rep. 242. The respondent owns a patent for improvements in multiple-copying machines, one element of which is a band of gelatine to which is transferred the print to be multiplied and which yields copies up to about a hundred. This band is attached to a spool or spindle which fits into the machine.[1] Anyone may make and sell the gelatine composition but the ground of recovery was that the defendant made and sold bands of sizes fitted for use in the plaintiff's machine and attached them to spindles, with intent that they should be so used. The main question is whether purchasers of these machines have a right to replace the gelatine bands from any source that they choose. If they have that right the defendant in selling to them does no wrong. It is assumed for the purposes of argument that the claim is valid and covers the band when used in this combination, since otherwise there would be nothing to discuss.

Since *Wilson* v. *Simpson*, 9 How. 109, 123, it has been the established law that a patentee has not—

> a more equitable right to force the disuse of the machine entirely, on account of the inoperativeness of a part of it, than the purchaser has to repair, who has, in the whole of it, a right of use.

The owner when he bought one of these machines had a right to suppose that he was free to maintain it in use, without the further consent of the seller, for more than the sixty days in which the present gelatine might be used up. The machine lasts indefinitely, the bands are exhausted after a limited use and manifestly must be replaced. 9 How. 126. The machine is costly, the bands are a cheap and common article of commerce. In *Wilson* v. *Simpson*, the purchaser was held free to replace the cutter knives that were the ultimate tool of the invention. The present case seems to us stronger in favor of the defendant. The gelatine probably has to be replaced at least as frequently as the cutter knives and would seem to be less distinctively appropriated to the machine. In *Leeds & Catlin Co.* v. *Victor Talking Machine Co.* (No. 2), 213 U. S. 325; 144 O. G. 1095, the question was not of a right to substitute worn out parts but of a right to use new disks in a talking machine. The authority of *Wilson* v. *Simpson* and the cases that have followed it was fully recognized and must be recognized here. We have only to establish the construction of a bargain on principles of common sense applied to the specific facts. We cannot doubt what the fair interpretation is and it would not be affected even if every purchaser knew that the vendor was prepared to furnish new bands.

Inasmuch as after the present bill had been dismissed it was reinstated on condition that the plaintiff be limited for recovery of profits or damages to the period after the reinstatement and as the evidence is that the only spools used since that date came from the plaintiff we think it unnecessary to make any order touching the spools.

Decree reversed.

[1] The claim relied upon is "42. In a multiple copying machine, the combination with a machine frame having on one side thereof a journal bearing and on the opposite side a chuck, of a duplicating band, and a spool on which said duplicating band is wound, said spool having at each end a squared chuck engaging member and a cylindrical bearing member, whereby said spool is interchangeable end for end between said chuck and journal bearing, substantially as described."

Supreme Court of the United States.

THE STANDARD PARTS COMPANY *v.* PECK.

Decided February 18, 1924.

EMPLOYER AND EMPLOYEE.

Where P. engaged by contract "to devote his time to the development of a process and machinery for the production of a front spring now used on the product of the Ford Motor Company," and received for his services a stated compensation, *Held* that the property in the invention belonged to his employer.

Mr. Bert M. Kent and *Mr. A. V. Cannon* (*Mr. John M. Garfield* and *Mr. James P. Wood* on the brief) for Standard Parts Co.

Mr. George L. Wilkinson (*Mr. Charles L. Byron* on the brief) for Peck.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Sixth Circuit.

Mr. Justice MCKENNA delivered the opinion of the Court.

Suit for injunction, preliminary and perpetual, and accounting for profits and damages, upon the

ground of infringement of Letters Patent No. 1,249,473, issued to William J. Peck, respondent.

The bill is the usual one in patent cases. For answer to it the Standard Parts Company admits the use of the devices of the patent and alleges they were constructed under the supervision of Peck and under the terms and provisions of a contract dated August 23, 1915, by and between him and the Hess-Pontiac Spring and Axle Company, for and in behalf of the latter company and the Western Spring and Axle Company, and that it, the Standard Company, has succeeded to the entire assets, business and goodwill of those other companies, including all of their rights in said contract and devices. And the Standard Company avers that Peck was fully compensated for his connection with the devices.

As an offset and counterclaim, the Standard Company avers that all of the invention in the Letters Patent was made while Peck was in the employ of its predecessors in business, the axle companies above mentioned, and that he was so employed for a period of approximately one year and eight months and paid while so employed, a salary of $300 per month, and at the conclusion of the employment, paid a bonus of $660.

In answer to the counterclaim Peck admits the contract but denies that it raised the contractual relations averred, or that it could be construed as passing any title to any inventions which might be incorporated in machinery built thereunder. And that neither the axle companies nor any person who might have purchased their assets, business, and goodwill could have acquired any right, title, or interest in the inventions.

Admits the period of employment averred and that he received the compensation averred, and that at the conclusion of his employment he received a bonus of $660 being the amount of $10 for each 1 per cent of reduction of direct labor cost as called for in said contract, the figures compiled by the Hess Company showing a reduction of 66 per cent in direct labor.

Admits that prior to and during the continuance and subsequent to the period of his employment he practiced as an attorney at law and solicitor of patents, but denies ever so acting for either the Hess Company or Western Company, and denies that he ever prepared or filed or executed any applications for either of the companies, or that any of such applications matured into the patent in suit.

He denies the other allegations of the counterclaim.

On the case as thus presented Peck's testimony and some other testimony was taken, and certain exhibits introduced and the judgment of the district court was, after a review of the decisions of this and other courts, "that the property in the invention belonged to the employer" (the Hess-Pontiac Spring and Axle Company) and that this property passed to the Standard Parts Company when it acquired the assets of the axle company, and that Peck holds the legal title in trust for the Standard Company. A decree was directed to be entered requiring an assignment of the legal title to the latter company.

A motion for rehearing was made and denied, and on March 2, 1921, a formal decree was entered, adjudging the equities to be in favor of the Standard Company, and that Peck, within 10 days from the date of the decree, assign and transfer to the company the legal title to the Letters Patent and also transfer to it, the company, all other patents or pending applications for patents for inventions made by him. Peck, in connection with the processes and machinery developed in the performance of the agreement with the axle company.

It was further adjudged that if Peck failed to perform the decree "then and in that event" the "decree shall have the same force and effect as such assignments and transfers would have had if made."

The circuit court of appeals, 282 F. R. 443; 314 O. G. 567, reversed the decree of the district court in so far as it decreed an assignment and transfer of the patent in suit and other patents and applications from Peck to the Standard Company.

The court decreed a license to exist in the Standard Company in the machines, distinguishing, however, between the first six and the last four in that, in the first six title was in the Standard Company "wholly free from the monopoly of the patent" this being "within the spirit and fairly within the law of section 4899",* and that the Pontiac Company had a right to sell these six machines to the Standard Company free from the patent. As to the last four, it was decided, that the license to construct them was not assignable and could not pass to the Standard Company "by the ordinary purchase and sale of a business."

The court concluded its opinion as follows:

> Defendant [Standard Company] may be advised that it can abandon any further claim of license as to these four machines and contest the patent on its merits—a matter about which we express no opinion—and otherwise it is clearly open to defendant to make what effort it can to establish a license on the theory of estoppel by reason of Peck's knowledge of the building of these four machines without objection—if such knowledge and conduct occured,—or on the theory of a practical consolidation of the Pontiac Company with the present defendant—if their relationship has that character. *Lane v. Locke*, 150 U. S. 193; 65 O. G., 1406.
>
> The decree below is reversed and the record remanded for further proceedings in accordance with this opinion.

The courts reached different rulings because of different readings of the cases. That of the district court was, that while the mere fact that one is employed by another does not preclude him from making improvements in the machines with which he is connected, and obtaining patents therefor, as his individual property, yet, if he—

> be employed to invent or devise such improvements his patents therefor belong to his employer, since in making such improvements he is merely doing what he was hired to do.

The circuit court of appeals rejected this test. It conceded, however, that the deduction of the district court was sustained by *Solomons* v. *United States*, 137 U. S. 342; 54 O. G. 265; *McAleer* v. *United States*, 150 U. S. 424, and *Gill* v. *United States*, 160 U. S. 426, and if correct, required the affirmance of the decree of the district court. And the court admitted that there was no later declaration than that of those cases, nor any criticism of it. The court, nevertheless, dissented from it, subordinating it to other cases and reasoning, they establishing, it was considered,

> that an invention does not belong to the employer, merely by virtue of an employment contract, as well when that employment is to devise or improve a specific thing as when the employment is to devise improvements generally in the line of the employer's business.

And considering further that Peck's employment was to devise or improve a specific thing, decided that his contract did not "of its own force, convey to the employer the equitable title to the patentable inventions" which he "might make in the course of its execution" but gave "to the employer a license only."

It is going very far to say that the declaration of *Solomons* v. *United States*, repeated in subsequent cases, and apparently constituting their grounds of decision, may be put aside or underrated—assigned the inconsequence and uncommand of dicta. It might be said that there is persuasion in the repetition. It can not be contended that the invention of a specific thing can not be made the subject of a bargain and pass in execution of it. And such, we think, was the object and effect of Peck's contract with the Hess-Pontiac Spring and Axle Company. That company had a want in its business, a "problem", is Peck's word, and he testified that "Mr. Hess thought probably" that he, Peck, "could be of some assistance to him [Hess] in working out" the "problem", and the "thought" was natural. Hess had previous acquaintance with Peck—his inventive and other ability, and approached him, the result being the contract of August 23, 1915, the material parts of which are as follows:

> This agreement witnesseth, that second party is to devote his time to the development of a process and machinery for the production of the front spring now used on the product of the Ford Motor Company. First party is to pay second party for such services the sum of $300 per month. That should said process and machinery be finished at or before the expiration of four months from August 11, 1915, second party is to receive a bonus of $100 a month. That when finished second party is to receive a bonus of $10 for each per cent of reduction from present direct labor, as disclosed by the books of the first party.

By the contract Peck engaged to "devote his time to the development of a process and machinery" and was to receive therefor a stated compensation. Whose property was the "process and machinery" to be when developed? The answer would seem to be inevitable and resistless—for him who engaged the services and paid for them, they being his inducement and compensation, they being not for temporary use but perpetual use, a provision for a business, a facility in it and an asset of it, therefore, contributing to it whether retained or sold—the vendee (in this case the Standard Company) paying for it and getting the rights the vendor had (in this case, the axle company).

Other meaning to the contract would confuse the relation of the parties to it—take from the axle company the inducement the company had to make it—take from the company the advantage of its exclusive use and subject the company to the rivalry of competitors. And yet, such, we think, is the contention of Peck. He seems somewhat absorbing in his assertion of rights. He yields to the axle company a shop right only free from the payment of royalty but—personal and temporary—not one that could be assigned or transferred. Peck, therefore, virtually asserts, though stimulated to services by the Hess Company and paid for them; doing nothing more than he was engaged to do and paid for doing—that the product of the services was so entirely his property that he might give as great a right to any member of the mechanical world as to the one who engaged him and paid him—a right to be used in competition with the one who engaged him and paid him.

We can not assent to this nor even to the limitation the court of appeals put upon Pecks' contention. We concur with the district court and therefore reverse the decree of the circuit court of appeals.

Reversed.

*Every person who purchases of the inventor or discoverer, or with his knowledge and consent constructs, any newly invented or discovered machine or other patentable article, prior to the application by the inventor or disoverer for a patent, or who sells or uses one so constructed, shall have the right to use, and vend to others to be used, the specific thing so made or purchased, without liability therefor.

U. S. Circuit Court of Appeals—Second Circuit.

AMERICAN LAUNDRY MACHINERY CO. ET AL. v. PROSPERITY CO., INC.

Decided January 25, 1924.

[295 Fed. Rep. 819.]

1. DIVISIONAL APPLICATIONS.
   It being difficult to lay down general rules determining when improvements should be embraced in one or more patents, discretion must be left to the Patent Office.
2. DIVISION—EFFECT OF ACQUIESCENCE IN REQUIREMENT.
   If applicant for patent does not agree with ruling requiring division, he may appeal, and thereby probably delay obtaining any patent; but no applicant can justly be blamed for acquiescing in a command by lawful authority, much less can he properly be made to suffer loss by obedience.
3. DIVISIONAL APPLICATION RELATES BACK TO ORIGINAL.
   In the absence of laches, estoppel, or intervening rights, a divisional application relates back to the original from which it was carved, and will be regarded as having the filing date and priorities of that original.

APPEAL from the District Court of the United States for the Northern District of New York.

Suit in equity by the American Laundry Machinery Company and another against the Prosperity Company, Incorporated. From a final decree (294 Fed. 144) for defendant, plaintiffs appeal. Reversed and remanded.

STATEMENT OF THE CASE.

Plaintiffs brought the usual patent bill on No. 1,379,601 and another patent. In respect of the above-numbered patent the bill states in usual form that the patentee, being "the first," etc., "inventor or certain improvements not known or used by others in this country before his invention * * * and not patented or described in any printed publications in this or any foreign country before his invention thereof for more than two years prior to his application, * * * and not in public use or on sale in this country for more than two years prior to [said] date of application, * * * and not patented * * * on an application filed more than twelve months prior to his said application,"

did on June 7, 1916, file in the Patent Office an application for Letters Patent. It is then pleaded that, "while the said application aforesaid was pending, in full force and effect, said invention never having been abandoned it was duly divided, and a divisional application for the said invention" was duly filed by the patentee on October 31, 1919, which divisional application ripened into the patent in suit on May 24, 1921.

This bill was met by a motion to dismiss, because "it does not appear from any allegations in the bill of complaint that, more than two years prior to the date of filing of the alleged divisional applications, * * * the alleged inventions of said patent (*a*) were not in public use or on sale in this country, and (*b*) were not patented or described in any printed publication in this or any foreign country." This motion the district court granted and dismissed the bill. Plaintiffs appealed.[1]

Mr. Charles Neave, *Mr. B. W. Brockett*, and *Mr. Maxwell Barus* for the appellants.

Mr. Arthur E. Parsons and *Mr. Albert F. Nathan* for the appellee.

Before HOUGH, MANTON, and MAYER, Circuit Judges.

HOUGH, *Cir. J.* (after stating the facts as above):

The matter at bar is interesting and not unimportant; for, if the order appealed from be well founded, its effect is to render a familiar portion of Patent Office practice extremely dangerous for those acquiescing therein, yet such danger is said to be created by a decision of the Supreme Court. *Chapman* v. *Wintroath*, 252 U. S. 126; 40 Sup. Ct. 234; 64 L. Ed. 491; 272 O. G. 913.

Under what the cited decision calls "the statute which is fundamental to all others in our patent law" (R. S. sec. 4886; Comp. St. sec. 9430), patents are granted to those inventing new and useful arts which (inter alia) were not in public use, and not patented or described for more than two years "prior to his [the petitioning inventor's] application." Under this act it is good pleading for plaintiff in a patent suit to negative the exceptions of the statute in his bill, and this the present plaintiff did, as shown above.

[1] It being "difficult, perhaps impossible," to lay down general rules determining when improvements should be embraced in "one, two, or more" patents, discretion must be left to the Patent Office on this "nice and perplexing question." *Bennet* v. *Fowler*, 8 Wall. 445, 448 (19 L. Ed. 431). Accordingly the Office has for many years made rules on what are too well known as "divisional applications" to need explanation; but the statutes may be searched in vain for anything about division.

[2] The sense of the rules is that, if a single application claims "several inventions" and the "independence of the inventions" be clear, the division will be insisted on "before any action on the merits," but otherwise, at any time during the pendency of the application; that is, division may be, and often is, required years after application filed, and when it is required the applicant must "elect" to which invention he will limit his pending application, while the other inventions "may be made the subject of separate applications." Rule 42. If the applicant does not agree with the ruling requiring division, he may appeal, and thereby probably delay obtaining any patent; but no applicant can justly be blamed for acquiescing in a command by lawful authority, much less can he properly be made to suffer loss by obedience.

The patent at bar was divided, and the applicant elected to prosecute that part of his invention, now represented by the patent in suit, in a "separate application"—i. e., a "divisional" one. The matter is so pleaded, and from the bill the necessary legal inference is that everything material, both in specification and claims of the divisional application, was fully contained in the application originally filed. There is nothing of laches, estoppel, abandonment, or intervening rights suggested in this case. The solicitation of the patent ran smoothly for all we know, except for a difference of opinion between solicitor and Examiner, as to how *many* patents the original disclosure justified.

The defendant has not answered, the facts at present stand as above set forth, but by motion, equivalent to a general demurrer, it is asserted, and has been held by the court below, that plaintiff must here allege (and subsequently prove) that the invention of this divisional application was not patented, described, in public use, nor on sale for more than two years prior to October 31, 1919. In other words, and in this case, the inventor might have made, used in public, and sold his invention on the day after he filed his application on June 7, 1916, and then, because he acquiesced in a divisional ruling in 1919, invalidated in limine whatever he requested by the "separate" application provided for by the rule and known to the profession long before the present code of patent practice. And this is said to be the peremptory rule of the Chapman case, supra. We feel assured that no such rule exists.

First. There is no intent shown by that decision to overrule earlier cases dealing with divisional applications in no "hostile spirit." Some are cited with approval at page 137 of the report. Divisional and renewed applications (absent intervening rights) should logically be treated alike. See *Godfrey* v. *Eames*, 1 Wall. 317; 17 L. Ed. 684; *Smith* v. *Goodyear*, 93 U. S. 486; 23 L. Ed. 952; 11 O. G. 246.

Second. The decisions in this and other circuits, distinctly holding the contrary of the rule asserted, were not overruled or adverted to. *Victor, etc.*, v. *American, etc., Co.*, 145 Fed. 350; 76 C. C. A. 180; *General, Etc., Co.* v. *Continental, Etc., Co.*, 256 Fed. 660; 168 C. C. A. 54; 286 O. G. 193; *Rosenwasser* v *B. E. Mfg. Co.* (C. C. A.) 264 Fed. 114. Some of these cases treat of renewed applications; however, they show the analogy, and we might rest decision, so far as we are concerned, on the last citation. It can not be thought that the court intended to overset without comment the whole current of authority, something so firmly established that it had long passed unchallenged into textbooks.

Third. The Chapman case, in our opinion, did not decide, nor touch upon, the point at bar. As may be seen by examining the record of that litigation, it began with an Examiner's ruling that Chapman was guilty of laches in not basing *any* claim on a disclosure he had made in a pending application, until some 20 months after Wintroath had obtained a patent for the same invention. It is this theory of laches that underlies and in truth constitutes the decision in Chapman's case. The result is that Chapman was finally held not guilty of laches in taking (for interference with Wintroath) the latter's claim, and annexing the same to his specification, more than one year—i. e., 20 months—after Wintroath obtained a patent. Delay in action or laches was measured by the two-year space of Revised Statutes section 4886 (Comp. St. sec. 9430), and other sections of the patent law, and not by Revised Statutes section 4894 (Comp. St. sec. 9438), as the lower court had ruled in *Rowntree* v. *Sloan*, 45 App. D. C. 207; 227 O. G., 744. But it must be borne in mind that this is reasoning merely from analogy; it is judge-made law, as distinguished from statute law; the statute is silent. Furthermore, it asserts agreement in result with the Patent Office ruling of long standing, which *Rowntree* v. *Sloan* supra, had upset.

The court below has stated appellee's position by the assertion that the Chapman case "has held that the two-year limitation for the filing of applications (R. S. sec. 4886) applied to a divisional as well as an original application." As thus stated, no such ruling can be found in the Supreme Court's opinion, and no justification for it can be found in the statutory language. But it is evidently possible to assert the highest court as holding that, where no claim was made in the original specification, a divisional application, making a claim already appropriated in substance by an issued patent, must be filed within two years of the publication of that patent. The reporter perhaps so understood the Court (see first paragraph of syllabus), and the seventh circuit seem to have accepted that view. *Splitdorf, Etc., Co.* v. *Webster*, 283 Fed. 83, at page 93; 316 O. G. 233.

We think this an erroneous reading. There is no reason for any such special rule as to divisional applications; on reason, the objection to belated appropriations, in interference or otherwise, of claims of published patents, is just as valid when the appropriator is an original applicant, whose application is incapable of division. What the Office and all the courts were considering in the Chapman case was the evil of applicants who had not claimed, watching the published art, and demanding interference with men whose patents quite likely suggested to them, what they might have done. Such men can only be disciplined under existing statutes, by somewhat drastic imputations of laches, or establishing estoppels, and the Chapman decision has we think been so understood by the very court whose endeavors at discipline the Supreme Court found too drastic. For example, *In re Nathan*, 51 App. D. C. 347; 279 Fed. 925; 301 O. G. 183, pointing out that "no excuse is offered" by the divisional applicant for not filing within two years of issue of intervening patent. If the rule were not of assumed or imputed laches, but of statutory firmness, why refer to excuses? Also *Ransdall* v. *Jahns*, 51 App. D. C. 3; 273 Fed. 365; 288 O. G., 206, where no division of application was made and (semble) none was possible, but the doctrine of Chapman's case was applicable.

[3] We thus find no compulsion to depart from the obviously equitable rule, certainly long settled in this circuit, and we still think in the Supreme Court also, that in the absence of laches, estoppel, or intervening rights a divisional applicataion relates back to the original from which it was carved, and will be regarded as having the filing date and priorities of that original. The ordinary difficulty with divided, renewed, and sometimes even amended applications, is that they are efforts to validate something that was not carved out of anything but second thoughts, and can not be called amendments of any original. This case is wholly free from such objections.

Decree reversed, with costs, and cause remanded for further proceedings not inconsistent with this opinion.

[1] The form of the order appealed from is open to criticism, and it is not overlooked that the order as entered affects only one patent; but as these technical difficulties might have been overcome in the court below, and neither party has referred to them on this hearing, we pass them by, without by silence approving the practice.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

808,463, G. Luger, Firearms; 839,778, 851,538, same, Recoil-operated firearms, final decree sustaining patents, adjudging infringement, and granting injunction filed July 1, 1924, D. C., S. D. N. Y., Doc. E 24/295, *H. J. Panzer Co., Inc.*, v. *Maxwell Brown Co., Inc., et al.*

839,778. (See 808,463.)

851,538. (See 808,463.)

856,943, Church & Knudsen, Driving mechanism; 859,820, K. Knudsen, Electric-motor wheel, suit filed June 9, 1924, D. C., N. D. Ill., Doc. 4066, *Church Balance-Gear Co., Ltd.*, v. *Walker Vehicle Co.*

859,820. (See 856,943.)

860,829, Merrell & Gere, Process of separating the moisture from the constituent solids of liquids; 1,000,931, same, Apparatus for recovering the constituent solids of liquids and semiliquids; 1,282,093, Lietzow & Fleischer, Desiccation process; 1,038,773, J. C. McLachlan, Desiccating apparatus, suit filed June 26, 1924, D. C., E. D. Pa., Doc. 3073, *Merrell-Soule Co.* v. *Brownback Condensed Milk Co.* Same, suit filed June 28, 1924, D. C., N. D. Ill., Doc. 4145, *Merrell-Soule Co.* v. *Milk Producers Co-operative Marketing Co.* Same, suit filed July 3, 1924, D. C., W. D. N. Y., Doc. 639 D, *Merrell-Soule Co.* v. *Polley & Craft.* Same, suit filed July 7, 1924, D. C., W. D. Wash. (S. Div.), Doc. E 219, *Merrell-Soule Co.* v. *Lewis Pacific Dairymen's Association.* Same, suit filed July 8, 1924, D. C., W. D. Wash. (N. Div.), Doc. 408, *Merrell-Soule Co.* v. *Whatcom County Dairymen's Association.*

965,887, J. J. Flanigan, Multiple-copying machine, suit filed June 24, 1924, D. C., N. D. Ill., Doc. 4130, *Ditto, Inc.*, v. *The Heyer Duplicator Co., Inc.*

1,000,931. (See 860,829.)

1,004,505, A. V. L. Verneuil, Synthetic sapphire, perpetual injunction issued (notice dated July 3, 1924), D. C., S. D. Calif. (S. Div.), Doc. H 23, *L. Heller & Son, Inc.*, v. *C. Widess et al.*

1,038,773. (See 860,829.)

1,045,772. (See 1,208,126.)

1,084,656. (See 1,156,141.)

1,095,796, J. Brandwood et al., Gaseous or like treatment of textile material; 1,125,803, same, Apparatus for dyeing and like treatment of textile material; 1,145,857, same, Beam-warping machine; 1,174,662, same, Apparatus for the fluid treatment of textile material, suit filed July 5, 1924, D. C. Me., Doc. 872, *J. Brandwood et al.* v. *Sanford Mills.*

1,113,149, E. H. Armstrong, Wireless receiving system, suits filed July 2, 1924, D. C., S. D. N. Y., Doc. E 29/334, *Westinghouse Electric & Mfg. Co. et al.* v. *Ware Radio Corp.* Same, Doc. E 29/335, *Westinghouse Electric & Mfg. Co. et al.* v. *National Airphone Corp. et al.*

1,125,803. (See 1,095,796.)

1,145,857. (See 1,095,796.)

1,149,495, G. C. Carson, Metallurgical furnace; 1,302,307, same, Construction of roof of open-hearth and reverberatory furnace, suits filed June 20, 1924, D. C. Ariz., Doc. E 83 Prct., *G. C. Carson* v. *United Verde Copper Co.* Same, Doc. E 84 Prct., *G. C. Carson* v. *United Verde Extension Mining Co.* Same, Doc. E 139, *G. C. Carson* v. *Calumet & Arizona Mining Co.* Same, Doc. E 140, *G. C. Carson* v. *Phelps Dodge Corp.*

1,156,141, Hess & Myers, Ribbon spool for typewriting machines; 1,084,656, L. C. Myers, same; 1,301,696, Hess & Myers, Ribbon spool, suit filed Oct. 17, 1923, D. C., S. D. N. Y., Doc. E. 27/171, *Royal Typewriter Co., Inc.*, v. *W. Grafton & Son, Ltd., et al.* Final decree adjudging infringement by defendants, W. Grafton & Son, Ltd., and W. Grafton and granting injunction, also adjudging noninfringement by defendants, Pickford's Colonial, Inc., & S. A. Solomon, and dismissing action, filed July 1, 1924.

1,174,662. (See 1,095,796.)

1,196,691, B. F. Hopkins, Air brush for distributing liquids, suit filed June 25, 1924, D. C., N. D. Calif., Doc. E 1299, *Alliance Securities Co.* v. *Standard Oil Co.*

1,208,126, J. E. Francisco, Lubricating system for motors; 1,045,772, H. E. Coffin, Lubricator, final decree holding claims 1 and 2 of Patent 1,029,126 and claim 2 of Patent 1,045,772 valid; injunction issued against defendants as above opinion filed by court Dec. 22, 1923, D. C., S. D. Calif. (S. Div.), Doc. G 106, *W. O. Thompson* v. *B. & H. Mfg. Co. et al.*

1,216,986, E. J. Brach, Confectionery machine, suit filed June 12, 1924, D. C., N. D. Ill., Doc. 4101, *E. J. Brach* v. *Savage Bros. Co.*

1,225,682, J. Schulde, Show-case refrigerator; 1,447,733, same, Refrigerator; 1,476,925, same, Counter refrigerator; 1,476,973, 1,476,972, H. L. Hussmann, Show-case refrigerator, suit filed June 27, 1924, D. C., E. D. Mich., Doc. 776, *H. L. Hussmann Refrigerator & Supply Co.* v. *Hoffman Mfg. Co. et al.*

1,237,717, W. Sparks, Motor horn; 1,355,283, same, Motor, suits filed June 14, 1924, D. C., E. D. Mich., Doc. 767, *The Sparks-Withington Co.* v. *United Electrical Mfg. Co.* Same, Doc. 768, *The Sparks-Withington Co.* v. *Schwarze Electric Co.*

1,282,093. (See 860,829.)

1,294,460, E. N. Heinz, Computing calendar, suit filed June 24, 1924, D. C., N. D. Ill., Doc. 4129, *Edwards & Deutsch Lithographing Co.* v. *F. C. Boorman et al.*

1,301,696. (See 1,156,141.)

1,302,307. (See 1,149,495.)

1,304,534, N. K. Bowman, Cable splice, appeal filed July 8, 1924, C. C. A. (4th Cir.), Doc. 2286, *The American Mine Door Co.* v. *J. A. Newberry.*

1,312,494, F. G. Wheeler, Indicating device for electrolytic cells, suits filed June 16, 1924, D. C., N. D. Ill., Doc. 4104, *Bleach Process Co.* v. *J. H. Channon Mfg. Co.*

1,326,132, M. F. Kiessling, Machine for making snap fasteners, suit filed Jan. 23, 1922, D. C., S. D. N. Y., Doc. E 23/62, *Consolidated American Fastener Co., Inc.*, v. *Regal-Button Works.* Final decree sustaining patent, adjudging infringement, and granting injunction filed July 2, 1924.

1,337,397, P. A. Fischer, Adjustable cap, suit filed June 26, 1924, D. C., S. D. N. Y., Doc. E 29/310, *P. A. Fischer et al.* v. *Ostrofsky Bros.*

1,342,015, C. F. Cuno, Automatic switch for cigar lighters, suit filed July 1, 1924, D. C. Conn., Doc. 1726, *The Cuno Engineering Corp.* v. *The Connecticut Automotive Specialties Co.*

1,346,337, R. C. Roark, Deodorizing material, appeal filed May 14, 1924, C. C. A. (7th Cir.), Doc. 3438, *U. S. Sanitary Specialties Co.* v. *West Disinfecting Co.*

1,352,611, Ladd & Neal, Paper-finishing machine, suit filed June 25, 1924, D. C., S. D. Ill. (S. Div.), Doc. 389, *Eastern Mfg. Co.* v. *Hopper Paper Co.*

1,355,283. (See 1,237,717.)

1,447,733. (See 1,225,682.)

1,476,925. (See 1,225,682.)

1,476,972. (See 1,225,682.)

1,476,973. (See 1,225,682.)

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 26, 1924.

[VOL. 325. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 159,246. (CLASS 15. OILS AND GREASES.) J. ALEX. DINGWALL, Jr., New York, N. Y. Filed Feb. 13, 1922.



Particular description of goods.—General Lubricants and Gasoline, Kerosene, and Naphtha.

Claims use since Sept. 1, 1920.

Ser. No. 160,581. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BATTERY EQUIPMENT & SUPPLY CO., Chicago, Ill. Filed Mar. 13, 1922.

BESCO—PRODUCTS

No claim is made to the word "Products" apart from the mark as shown.

Particular description of goods.—Terminal Connecter Reamers, Separator Knives, Terminal Tongs, Lead Scrapers, Lead Files, Separator Trimmers, Grid Cutters, Vise and Plate Presses, Separator Inserters, Battery End Cutters, Burning Racks, Battery-Post Builders, and Battery-Post Reducers.

Claims use since Jan. 1, 1920.

Ser. No. 161,866. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SONORA PHONOGRAPH COMPANY, INC., New York, N. Y. Filed Apr. 6, 1922.

Sonoradio
CLEAR AS A BELL

No claim is made to any right of registration under the statute of the words "Clear as a Bell" apart from the mark shown in the drawing, applicant, however, reserving and not waiving its common-law rights to the words "Clear as a Bell."

Particular description of goods.—Wireless Apparatus and Devices—Namely, Radio Receiving Sets, Amplifiers, and Loud Speakers for Receiving Sets.

Claims use since latter part of February, 1922.

Ser. No. 164,491. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHEMICAL MACHINERY EXPERIMENT CO. INC., New York, N. Y. Filed May 25, 1922.

FISCHER

The lining shown on the drawing is merely for the purpose of shading and does not indicate color.

Particular description of goods.—Electric-Current-Flow Indicators.

Claims use since May 18, 1922.

Ser. No. 165,797. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES LEDERER, Chicago, Ill. Filed June 21, 1922.

KUTI-KUTS
(CUTIE CUTS)

Particular description of goods.—Game—Namely, Children's Sectional Cardboard or Paper Cut-Outs.

Claims use since May 18, 1922.

Ser. No. 166,947. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KERMIT PRODUCTS CORP., Hartford, Conn. Filed July 15, 1922.

GETS-IT

Particular description of goods.—Soap.
Claims use since June 1, 1922.

Ser. No. 171,579. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD BENTON KNIGHT, doing business as E. Ben Knight, Penn Yan, N. Y. Filed Nov. 4, 1922.

HONEYSENE



Particular description of goods.—Salves or Ointments and Oils as Remedial Agents, for the Treatment of Cuts, Burns, Sprains, Catarrh, Sore Throat, Croup, Colds, Quinsy, Bronchial Trouble and All Inflammation.
Claims use since about May 14, 1900.

Ser. No. 173,945. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLA WALLA CANDY COMPANY, Walla Walla, Wash. Filed Dec. 28, 1922.

Bur-Bee

Particular description of goods.—Candies.
Claims use since July, 1921.

Ser. No. 174,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Jan. 11, 1923.

SATIN BATH

The letters in drawing are lined to indicate pale-blue color.
Particular description of goods.—Emollient Bath for the Body.
Claims use since Aug. 8, 1916.

Ser. No. 174,963. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWIN A. JACKSON & BRO. INC., New York, N. Y. Filed Jan. 23, 1923.

ELECTRICOAL

Particular description of goods.—Imitation Fuel for Stoves and Grates, Consisting of a Translucent Filling Adapted to be Placed in a Receptacle and an Electric Lamp and Connections Disposed in Relation to the Filling so That When the Lamp is Lighted the Filling Will Simulate the Appearance of Burning Fuel.
Claims use since Jan. 3, 1923.

Ser. No. 176,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE CRUSH COMPANY, Chicago, Ill. Filed Feb. 23, 1923.

CRUSH

Particular description of goods.—Food and Ice-Cream Flavors.
Claims use since June 15, 1916.

Ser. No. 177,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. F. HATHAWAY & SONS, Cambridge, Mass. Filed Mar. 7, 1923. Under ten-year proviso.

CREAM

Trade-mark "Cream."
Particular description of goods.—Bread.
Claims use since May 2, 1888.

Ser. No. 178,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED HERRICK, Manton, Calif. Filed Mar. 26, 1923.

PRESTO

Particular description of goods.—Salve for External Use and Application to Cuts, Bruises, Burns, Skin Diseases, Sprains, Sore Throat and Lungs, Tonsilitis, Itching, and in Relieving Pain Caused from Inflammation.
Claims use since Jan. 15, 1923.

Ser. No. 178,052. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARATHON COMPANY, Attleboro, Mass. Filed Mar. 26, 1923.



No registration rights are claimed for the word "Statite" apart from the mark shown in the drawing; but applicant waives none of its common-law rights in said mark or any element thereof.
Particular description of goods.—Belt Buckles Made of or Plated with Precious Metals.
Claims use since October, 1917.

Ser. No. 178,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEPENDABLE PRODUCTS CO., Cleveland, Ohio. Filed Mar. 27, 1923.

VIGOR

Particular description of goods.—Bread.
Claims use since about Dec. 15, 1922.

Ser. No. 178,672. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Apr. 6, 1923.

LES PARFUMS DARNÉE

No claim is made to the exclusive use of the words "Les Parfums" except as a part of the trade-mark disclosed in the drawing.
Particular description of goods.—Face Powder.
Claims use since Dec. 4, 1922.

Ser. No. 178,881. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STRAUSS & BLUM, INC., New York, N. Y. Filed Apr. 9, 1923.

SABCO

Particular description of goods.—Electrical Soldering Irons, Electric Bells, Electric Sockets, and Electric Motors.
Claims use since Aug. 1, 1922.

Ser. No. 179,149. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) EDGAR HANDLEY, doing business as Edgar Handley Bros., Bradford, England. Filed Apr. 14, 1923.

MINIMAX

Particular description of goods.—Leather Machine Belting.
Claims use since June 10, 1916.

Ser. No. 179,837. (CLASS 39. CLOTHING.) JOHN WANAMAKER, NEW YORK, New York, N. Y. Filed Apr. 27, 1923.

TOWN GIRL

Particular description of goods.—Ladies' and Misses' Suits.
Claims use since Apr. 16, 1923.

Ser. No. 180,414. (CLASS 35, BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHARLES BOND COMPANY, Philadelphia, Pa. Filed May 10, 1923.



No claim is made to the representation of the goods apart from the mark as shown. Trade-mark comprises a side or section of animal hair left on the hair side of the leather belting during the process of manufacturing the same.
Particular description of goods.—Flat and Round Leather Belting.
Claims use since about 1921.

Ser. No. 180,696. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GEORGIA MINERAL PRODUCTS CO., Tate, Ga. Filed May 16, 1923.

''HEN'S TEETH''

Particular description of goods.—Poultry Grit.
Claims use since June 27, 1922.

Ser. No. 180,737. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BAGBY FURNITURE COMPANY, doing business as The Standard Furniture Manufacturing Company, Baltimore, Md. Filed May 17, 1923.

STANDARD

Applicant hereby disclaims any right to the word "Standard" apart from the other features of the mark shown.

Particular description of goods.—Bureaus, Chiffoniers, Chifforettes, Chifforobes, Vanities, Dressing Tables, Night Tables, Bedsteads, Dining-Room Chairs, Bedroom Chairs, Buffets, China Closets, Serving Tables, Extension Tables, and Rocking-Chairs.

Claims use since Mar. 1, 1923.

Ser. No. 180,920. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BLAKE & STEARNS, Boston, Mass. Filed May 21, 1923.

REGEANT

Particular description of goods.—Woolens and Worsteds in the Piece.

Claims use since May 3, 1923.

Ser. No. 181,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. T. KEANE COMPANY, INCORPORATED, Washington, D. C. Filed May 24, 1923.

KEANE QUALITY

No claim is made to the color lines appearing on the drawing, and no claim is made to the use of the word "Quality" apart from the other features of the mark.

Particular description of goods.—Fresh, Salt, Smoked, and Canned Meats and Pork Products—Namely, Smoked Sausage, Green Sausage, Bologna, Headcheese, Scrapple, Souse, Pork Pudding, Minced-Meat Loaf, and Luncheon Special; and By-Products—Namely, Lard.

Claims use since March, 1923.

Ser. No. 181,381. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CLEVELAND WHEELBARROW & MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 31, 1923.

RED STAR BRAND

The mark consists of a red circle containing a red star and the words "Red Star," and a monogram of the letters "C W M C" is displayed within the center of the circle and star. The word "Brand" also appears; but this word is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Wheelbarrows.

Claims use since March, 1922.

Ser. No. 181,720. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DAVID BERNHARDT PAINT COMPANY, LTD., New Orleans, La. Filed June 9, 1923.

Bernhardt's

The trade-mark is a facsimile signature of Mr. Bernhardt, the president of the Bernhardt Paint Company, Ltd.

Particular description of goods.—Dry Paint, Paint in the Form of a Paste, and Ready-Mixed Paint, Varnishes in a Liquid Form Ready for Use, Paint Oils, Linseed Oil, and Turpentine.

Claims use since Apr. 1, 1906.

Ser. No. 182,077. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923.

TIBRODE NETS

No claim is made to the word "Nets" apart from the mark shown.

Particular description of goods.—Laundry Nets.

Claims use since June 12, 1923.

Ser. No. 182,078. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923.

TINDECK NETS

No claim is made to the word "Nets" apart from the mark as shown.

Particular description of goods.—Laundry Nets.

Claims use since Apr. 24, 1923.

Ser. No. 182,215. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KAUFFMAN-NORTON CO., San Francisco, Calif. Filed June 19, 1923.

Electrogas

Particular description of goods.—Electrically-Controlled Gas Furnaces.

Claims use since June 1, 1922.

Ser. No. 182,785. (CLASS 32. FURNITURE AND UPHOLSTERY.) BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1923.

Crysteel

Particular description of goods.—Folding Wall Tables, Kitchen Tables, Pastry Tables, and Juvenile Furniture—Namely, Tables and Chairs.

Claims use since about Jan. 2, 1922.

Ser. No. 182,905. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HALEY-CATE ROCKWOOD COMPANY, Everett, Mass. Filed July 7, 1923.

KEEPDRY

Particular description of goods.—Cork Sole Welting for Boots and Shoes.

Claims use since June 1, 1922.

Ser. No. 183,151. (CLASS 32. FURNITURE AND UPHOLSTERY.) HERKIMER SPECIALTIES CORPORATION, Cold Brook, N. Y. Filed July 13, 1923.

HERKIMER SERVUS-KART

The words "Servus-Kart" are disclaimed except in combination with the mark shown, applicant, however, not waiving any common-law rights in the mark as a whole.

Particular description of goods.—Service Wagons, Tea Wagons, or Tea Carts.

Claims use since June 11, 1923.

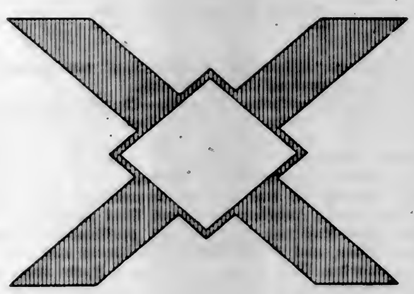
Ser. No. 183,647. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LUDWIG M. DIETERICH, New York, N. Y. Filed July 25, 1923.

CORKER

Particular description of goods.—Gaskets.

Claims use since November, 1921.

Ser. No. 183,900. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN METAL POLISH CO., Somerville, Mass. Filed Aug. 1, 1923.



The lining on drawing signifies that the figure in the form of an X or St. Andrew's cross is red in color.

Particular description of goods.—Polish, and Specifically Metal Polish.

Claims use since Aug. 23, 1898.

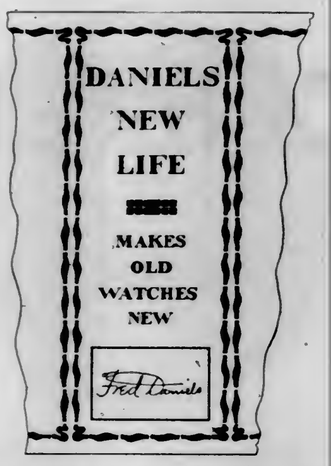
Ser. No. 185,180. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GOLDSCHMIDT CORPORATION, New York, N. Y. Filed Aug. 30, 1923.

N&K

Particular description of goods.—Radio Apparatus—Namely, Radiotelephone Head Sets, Radio Receiving Sets, Radio Transformers, Radio Condensers, Loud Speakers, Telephone Units for Loud Speakers, and Loops.

Claims use since Mar. 7, 1923.

Ser. No. 185,560. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED DANIELS, Wichita, Kans. Filed Sept. 10, 1923.



The words "Makes Old Watches New" are hereby disclaimed as a part of the trade-mark.

Particular description of goods.—Cleaning Preparation for Watches, Clocks, and Small Instruments, Which is a Compound Made of Sodium Bicarbonate, Sodium Bitartrate, Acid Oleic, Acetone, and Other Minor Ingredients Which Form a Liquid Solution Used to Remove Dirty Gummy Oil and Restore Natural Original Luster to the Parts. Another Compound That Applicant Uses This Trade-Mark on is Composed of Gasoline, Chloroform, Ether, and Other Minor Ingredients and is Used for Removing Dirt Stains and Grease Spots from Different Kinds of Cloth. Both of the Above Specified Compounds Are Sold Under the Trade-Mark "Daniels New Life."

Claims use since July 28, 1923.

Ser. No. 187,644. (CLASS 15. OILS AND GREASES.) THE SCHILLING-COLLISON COMPANY, Los Angeles, Calif. Filed Oct. 29, 1923.



The word "Brand" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Lubricating Oils.

Claims use since Apr. 1, 1923.

Ser. No. 188,061. (CLASS 15. OILS AND GREASES.) THE PENNZOIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 6, 1923.



Particular description of goods.—Lubricants.

Claims use since Sept. 1, 1923.

Ser. No. 188,423. (CLASS 17. TOBACCO PRODUCTS.) NATIONAL GROCER COMPANY, Detroit, Mich. Filed Nov. 16, 1923.



Particular description of goods.—Cigars.

Claims use since about Oct. 26, 1923.

Ser. No. 188,656. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BLATZ PRODUCTS COMPANY, Milwaukee, Wis. Filed Nov. 22, 1923.



Particular description of goods.—Malt Sirup Plain and Hop Flavored.

Claims use since Mar. 1, 1923.

Ser. No. 188,686. (CLASS 39. CLOTHING.) MAID-RITE CORPORATION, Brooklyn, N. Y. Filed Nov. 22, 1923.



Particular description of goods.—Leather, Satin, and Felt Slippers.

Claims use since April, 1920.

Ser. No. 188,750. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FILS DE R. PICARD & CO., FABRIQUE INVICTA, INVICTA MANUFACTURING CO., La Chaux-de-fonds, Switzerland. Filed Nov. 23, 1923.



Particular description of goods.—Watches, Watch Movements, Watchcases, Watch Dials, and Parts thereof.

Claims use since about Jan. 18, 1904.

Ser. No. 189,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BONITA CO., Fond Du Lac, Wis. Filed Dec. 1, 1923.



Particular description of goods.—Candy.

Claims use since Nov. 12, 1923.

Ser. No. 189,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACME CRACKER CO., Chicago, Ill. Filed Dec. 12, 1923.



Particular description of goods.—Crackers and Cake.

Claims use since Jan. 2, 1901.

Ser. No. 190,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEWMARK BROTHERS, Los Angeles, Calif. Filed Jan. 4, 1924.



Particular description of goods.—Lemon and Vanilla Extracts for Flavoring Foods.

Claims use since July, 1894.

Ser. No. 191,053. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BLAUER GOLDSTONE COMPANY, Chicago, Ill. Filed Jan. 21, 1924.



No exclusive right is made for the word "Navarre" apart from the mark shown.

Particular description of goods.—Artificial Pearls.

Claims use since Feb. 15, 1918.

Ser. No. 191,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN ROOS, doing business as B. Roos & Co., Berlin, Germany. Filed Jan. 22, 1924.



Particular description of goods.—Chemicals for Industrial Purposes.

Claims use since May 4, 1921.

Ser. No. 191,179. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH A. McANERNEY COMPANY, New York, N. Y. Filed Jan. 23, 1924.

JOMAC

Particular description of goods.—Electric Vacuum Cleaners, Including Parts Thereof, and Repair Parts.
Claims use since Jan. 3, 1924.

Ser. No. 191,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HACO-GESELLSCHAFT A.-G. BERN, Berne, Switzerland. Filed Jan. 24, 1924.

Péracrine

Trade-mark consists of the word "Péracrine."
Particular description of goods.—Germicide and Antiseptic Preparations.
Claims use since Dec. 16, 1921.

Ser. No. 191,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. TURNER, doing business as American Indian Products Co., Los Angeles Calif. Filed Jan. 24, 1924.

SENEGINE

Particular description of goods.—Hair Tonic.
Claims use since Jan. 10, 1924.

Ser. No. 191,514. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED CHEMICAL COMPANIES, Kansas City, Mo. Filed Jan. 30, 1924.

SNOPERL

Particular description of goods.—Cleanser for Walls, Floors, Tile, Cement, Woodwork, Painted and Varnished Surfaces, Linoleum and Oilcloths, Leather and Imitation of Leather, Dishes, Clothes, Machinery, Milk Bottles, and General Dairy Equipment.
Claims use since September, 1922.

Ser. No. 191,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASSIMILIANO VICENZI, New York, N. Y. Filed Feb. 5, 1924.

R I M

Particular description of goods.—Laxative and Bowel Corrective Preparations.
Claims use since Sept. 1, 1923.

Ser. No. 192,177. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KARL GUGGENHEIM, INC., New York, N. Y. Filed Feb. 12, 1924.



Particular description of goods.—Brooches, Scarfpins, and Cuff Buttons.
Claims use since October, 1923.

Ser. No. 192,214. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARLE C. CONWAY, RUTHERFORD O. AINSLIE, and THEODORE P. BROWN, Co-trustees, doing business as the Hallet & Davis Piano Company, Boston, Mass. Filed Feb. 13, 1924.



Particular description of goods.—Pianos and Piano Players and Parts Thereof and Music Rolls or Note Sheets for Use with Player Pianos.
Claims use since Jan. 1, 1921.

Ser. No. 192,284. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed Feb. 14, 1924.

Keystone

Particular description of goods.—Soap.
Claims use since Sept. 1, 1913.

Ser. No. 192,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RACHEL PURVIS, Montclair, N. J. Filed Feb. 20, 1924.



The picture is fanciful.
Particular description of goods.—Reducing Jelly.
Claims use since Oct. 1, 1923.

Ser. No. 192,619. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich. Filed Feb. 21, 1924.

The **Superspeaker**

Particular description of goods.—Amplifying Horns for Use with Radio Loud Speakers.
Claims use since Jan. 25, 1924.

Ser. No. 192,733. (CLASS 15. OILS AND GREASES.) ROGERS GASOLINE COMPANY, Uniontown, Pa. Filed Feb. 23, 1924.

POWER PLUS

Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, and Greases.
Claims use since Jan. 15, 1924.

Ser. No. 192,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. GUSMER, INC., New York, N. Y. Filed Feb. 25, 1924.

Par-o-lac

Particular description of goods.—Interior Coating for Casks and Containers for Fruits, Beverages, and for Use in Chemical Industries.
Claims use since Jan. 12, 1924.

Ser. No. 192,894. (CLASS 38. PRINTS AND PUBLICATIONS.) CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed Feb. 27, 1924.

The Minute Book

Particular description of goods.—Publication Published Periodically at Regular Intervals.
Claims use since Oct. 2, 1923.

Ser. No. 192,928. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) J. P. SAUER & SOHN, Suhl, Germany. Filed Feb. 27, 1924.



Particular description of goods.—Shotguns, Rifles, and Pistols and Parts Thereof.
Claims use since 1923.

Ser. No. 193,112. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Mar. 1, 1924.

Mack

PERFORMANCE COUNTS

Particular description of goods.—Motor Trucks.
Claims use since about Sept. 21, 1921.

Ser. No. 193,129. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MORRIS SCHAYER, doing business as The Schayer Wall Paper & Painting Company, Denver, Colo. Filed Mar. 1, 1924.

Arabesque

Particular description of goods.—Plastic Coating for Wall Board, Pulpboard, Millboard, Tar Board, and the Like.
Claims use since Dec. 20, 1923.

Ser. No. 193,173. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY HENKIN, doing business as Tang Products Co., San Francisco, Calif. Filed Mar. 3, 1924.

TANG

Particular description of goods.—Face Cream and Hand Beautifier.
Claims use since Oct. 1, 1921.

Ser. No. 193,344. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) N. S. MEYER, INC., New York, N. Y. Filed Mar. 6, 1924.

NEW MEYER YORK

No claim is made to the words "New York" apart from the mark shown in the drawing.
Particular description of goods.—Buttons, Metal Insignia and Ornaments; Army and Navy Equipment—viz, Belts, Aiguillettes, Shoulder Knots, Spurs, and Trimming Made of or Plated with Precious Metal.
Claims use since May 15, 1917.

Ser. No. 193,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Mar. 10, 1924. Under ten-year proviso.



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since 1890.

Ser. No. 193,581. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FAIRMONT RAILWAY MOTORS, INC., Fairmont, Minn. Filed Mar. 11, 1924.

Performance on the Job Counts

Particular description of goods.—Motor Cars.
Claims use since January, 1921.

Ser. No. 193,637. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUNSET PAINT COMPANY, Los Angeles, Calif. Filed Mar. 11, 1924.

Blue Ribbon Quality

The word "Quality" does not form a part of the mark sought to be registered apart from the mark shown in the drawing. The lining in the drawing indicates the color blue.
Particular description of goods.—Interior and Exterior House Paint, Roof Paints, Paint Thinners, Colors in Japan, Cement-Waterproofing Paint, Cement Paints, Floor Wax, Paste Paint, Paint Enamels, Wall Paint, Colors in Oil, Paste Paint Fillers, Cement-Sealer Paint, and Roof Cement Paint.
Claims use since 1904.

Ser. No. 193,913. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 17, 1924.



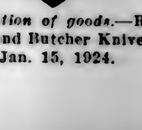
Particular description of goods.—Dress Trimmings in the Piece—Namely, Galloons, Gimps, Braids, Bandings, Passementerie Insertings and Edgings Exclusive of Lace Insertings and Edgings, Cords, Fringes, Bindings, Ornaments, Motifs, Garnitures, Girdles, Tassels, Emblems, Frogs, Loops, Beltings, and Embroideries, Made of Silk, Artificial Silk, Cotton, Wool, Tinsel, Wire, Metal Threads Either Untrimmed or Trimmed with Beads, Spangles, Glass, China, or Metal.
Claims use since Jan. 27, 1923, on braids, and on other goods since July 1, 1923.

Ser. No. 194,280. (CLASS 38. PRINTS AND PUBLICATIONS.) DON F. MATSON, doing business as The Don F. Matson Company, Monessen, Pa. Filed Mar. 22, 1924.

Matagraving

Particular description of goods.—Printed Cards.
Claims use since Feb. 1, 1922.

Ser. No. 194,294. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924.



Particular description of goods.—Feldspar.
Claims use since January, 1906.

Ser. No. 194,569. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RINDSBERGER MANUFACTURING CORPORATION, Chicago, Ill. Filed Mar. 27, 1924.

VELVOMIR

Particular description of goods.—Table and Floor Lamp Shades Manufactured of Airplane Cloth or Linen Stretched Over Wire Frames.
Claims use since Jan. 1, 1924.

Ser. No. 194,622. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ISAAC ROSENBAUM, New York, N. Y. Filed Mar. 28, 1924.

IROSKEEN

Particular description of goods.—Razors, Shears, Scissors, Pocketknives, and Butcher Knives.
Claims use since Jan. 15, 1924.

Ser. No. 191,179. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH A. MCANERNEY COMPANY, New York, N. Y. Filed Jan. 23, 1924.

JOMAC

Particular description of goods.—Electric Vacuum Cleaners, Including Parts Thereof, and Repair Parts.
Claims use since Jan. 3, 1924.

Ser. No. 191,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HACO-GESELLSCHAFT A.-G. BERN, Berne, Switzerland. Filed Jan. 24, 1924.

Péracrine

Trade-mark consists of the word "Péracrine."
Particular description of goods.—Germicide and Antiseptic Preparations.
Claims use since Dec. 16, 1921.

Ser. No. 191,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. TURNER, doing business as American Indian Products Co., Los Angeles Calif. Filed Jan. 24, 1924.

SENEGINE

Particular description of goods.—Hair Tonic.
Claims use since Jan. 10, 1924.

Ser. No. 191,514. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED CHEMICAL COMPANIES, Kansas City, Mo. Filed Jan. 30, 1924.

SNOPERL

Particular description of goods.—Cleanser for Walls, Floors, Tile, Cement, Woodwork, Painted and Varnished Surfaces, Linoleum and Oilcloths, Leather and Imitation of Leather, Dishes, Clothes, Machinery, Milk Bottles, and General Dairy Equipment.
Claims use since September, 1922.

Ser. No. 191,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASSIMILIANO VICENZI, New York, N. Y. Filed Feb. 5, 1924.

R I M

Particular description of goods.—Laxative and Bowel Corrective Preparations.
Claims use since Sept. 1, 1923.

Ser. No. 192,177. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KARL GUGGENHEIM, INC., New York, N. Y. Filed Feb. 12, 1924.



Particular description of goods.—Brooches, Scarfpins, and Cuff Buttons.
Claims use since October, 1923.

Ser. No. 192,214. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARLE C. CONWAY, RUTHERFORD O. AINSLIE, and THEODORE P. BROWN, Co-trustees, doing business as the Hallet & Davis Piano Company, Boston, Mass. Filed Feb. 13, 1924.



Particular description of goods.—Pianos and Piano Players and Parts Thereof and Music Rolls or Note Sheets for Use with Player Pianos.
Claims use since Jan. 1, 1921.

Ser. No. 192,284. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed Feb. 14, 1924.

Keystone

Particular description of goods.—Soap.
Claims use since Sept. 1, 1913.

Ser. No. 192,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RACHEL PURVIS, Montclair, N. J. Filed Feb. 20, 1924.



The picture is fanciful.
Particular description of goods.—Reducing Jelly.
Claims use since Oct. 1, 1923.

Ser. No. 192,619. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich. Filed Feb. 21, 1924.

The Superspeaker

Particular description of goods.—Amplifying Horns for Use with Radio Loud Speakers.
Claims use since Jan. 25, 1924.

Ser. No. 192,733. (CLASS 15. OILS AND GREASES.) ROGERS GASOLINE COMPANY, Uniontown, Pa. Filed Feb. 23, 1924.

POWER PLUS

Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, and Greases.
Claims use since Jan. 15, 1924.

Ser. No. 192,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. GUSMER, INC., New York, N. Y. Filed Feb. 25, 1924.

Pal-o-lac

Particular description of goods.—Interior Coating for Casks and Containers for Fruits, Beverages, and for Use in Chemical Industries.
Claims use since Jan. 12, 1924.

Ser. No. 192,894. (CLASS 38. PRINTS AND PUBLICATIONS.) CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed Feb. 27, 1924.

The Minute Book

Particular description of goods.—Publication Published Periodically at Regular Intervals.
Claims use since Oct. 2, 1923.

Ser. No. 192,928. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) J. P. SAUER & SOHN, Suhl, Germany. Filed Feb. 27, 1924.



Particular description of goods.—Shotguns, Rifles, and Pistols and Parts Thereof.
Claims use since 1923.

Ser. No. 193,112. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Mar. 1, 1924.

Mack

PERFORMANCE COUNTS

Particular description of goods.—Motor Trucks.
Claims use since about Sept. 21, 1921.

Ser. No. 193,129. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MORRIS SCHAYER, doing business as The Schayer Wall Paper & Painting Company, Denver, Colo. Filed Mar. 1, 1924.

Arabesque

Particular description of goods.—Plastic Coating for Wall Board, Pulpboard, Millboard, Tar Board, and the Like.
Claims use since Dec. 20, 1923.

Ser. No. 193,173. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY HENKIN, doing business as Tang Products Co., San Francisco, Calif. Filed Mar. 3, 1924.

TANG

Particular description of goods.—Face Cream and Hand Beautifier.
Claims use since Oct. 1, 1921.

Ser. No. 193,344. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) N. S. MEYER, INC., New York, N. Y. Filed Mar. 6, 1924.

NEW YORK MEYER

No claim is made to the words "New York" apart from the mark shown in the drawing.
Particular description of goods.—Buttons, Metal Insignia and Ornaments; Army and Navy Equipment—viz, Belts, Aiguillettes, Shoulder Knots, Spurs, and Trimming Made of or Plated with Precious Metal.
Claims use since May 15, 1917.

Ser. No. 193,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Mar. 10, 1924. Under ten-year proviso.



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since 1890.

Ser. No. 193,581. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FAIRMONT RAILWAY MOTORS, INC., Fairmont, Minn. Filed Mar. 11, 1924.

Performance on the Job Counts

Particular description of goods.—Motor Cars.
Claims use since January, 1921.

Ser. No. 193,637. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUNSET PAINT COMPANY, Los Angeles, Calif. Filed Mar. 11, 1924.

Blue Ribbon Quality

The word "Quality" does not form a part of the mark sought to be registered apart from the mark shown in the drawing. The lining in the drawing indicates the color blue.
Particular description of goods.—Interior and Exterior House Paint, Roof Paints, Paint Thinners, Colors in Japan, Cement-Waterproofing Paint, Cement Paints, Floor Wax, Paste Paint, Paint Enamels, Wall Paint, Colors in Oil, Paste Paint Fillers, Cement-Sealer Paint, and Roof Cement Paint.
Claims use since 1904.

Ser. No. 193,913. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 17, 1924.

Mérite

Particular description of goods.—Dress Trimmings in the Piece—Namely, Galloons, Gimps, Braids, Bandings, Passementerie Insertings and Edgings Exclusive of Lace Insertings and Edgings, Cords, Fringes, Bindings, Ornaments, Motifs, Garnitures, Girdles, Tassels, Emblems, Frogs, Loops, Beltings, and Embroideries, Made of Silk, Artificial Silk, Cotton, Wool, Tinsel, Wire, Metal Threads Either Untrimmed or Trimmed with Beads, Spangles, Glass, China, or Metal.
Claims use since Jan. 27, 1923, on braids, and on other goods since July 1, 1923.

Ser. No. 194,280. (CLASS 38. PRINTS AND PUBLICATIONS.) DON F. MATSON, doing business as The Don F. Matson Company, Monessen, Pa. Filed Mar. 22, 1924.

Matagraving

Particular description of goods.—Printed Cards.
Claims use since Feb. 1, 1922.

Ser. No. 194,294. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa. Filed Mar. 22, 1924.



Particular description of goods.—Feldspar.
Claims use since January, 1906.

Ser. No. 194,569. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RINDSBERGER MANUFACTURING CORPORATION, Chicago, Ill. Filed Mar. 27, 1924.

VELVOMIR

Particular description of goods.—Table and Floor Lamp Shades Manufactured of Airplane Cloth or Linen Stretched Over Wire Frames.
Claims use since Jan. 1, 1924.

Ser. No. 194,622. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ISAAC ROSENBAUM, New York, N. Y. Filed Mar. 28, 1924.

IROSKEEN

Particular description of goods.—Razors, Shears, Scissors, Pocketknives, and Butcher Knives.
Claims use since Jan. 15, 1924.

Ser. No. 195,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HANDLEY PRODUCTS COMPANY, Penn Yan, N. Y. Filed Apr. 7, 1924.

CHEX

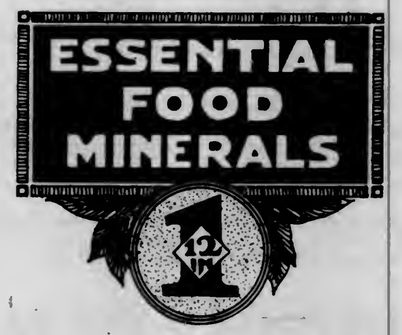
Particular description of goods.—Salad Dressings.
Claims use since Mar. 18, 1924.

Ser. No. 195,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES & CO., New York, N. Y. Filed Apr. 8, 1924.

MISSION GARDEN

Particular description of goods.—Domestic Beverages—viz, Cocoa, Coffee, Tea, and Chocolate; Staples—viz, Tapioca, Barley, Farina, Samp, Rice, and Hominy; Jellies and Paste—viz, Almond Paste, Mint-Flavor Jelly, Orange Marmalade, Crabapple, Quince, Red-Currant, and Grape Jellies; Condiments—viz, Mayonnaise, Tartar Sauce, Russian Dressing, and Olive Oil; Nuts—viz, Salted Jordan Almonds, Salted Pecan-Nut Meat, Salted Walnut Meat, Salted Mixed Nuts; Cleaned Currants, and Green and Yellow Split Peas.
Claims use since about July 1, 1910.

Ser. No. 195,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOMER C. ROBERTS, Sioux City, Iowa. Filed Apr. 8, 1924.



No claim is made to the exclusive use of the words "Essential Food Minerals" apart from the other features of the mark.
Particular description of goods.—Essential Inorganic Food Mineral Combinations Triturated in Milk Sugar.
Claims use since Feb. 3, 1924.

Ser. No. 195,206. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BADEKER MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 9, 1924.



I hereby disclaim the words "Quality" and "Service" apart from the mark shown by the drawing.
Particular description of goods.—Lubricating-Oil Cups, Locomotive Bell Ringers, and Rotary Pumps.
Claims use since March, 1923.

Ser. No. 195,211. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARPENTER-LEDDIN CO., New York, N. Y. Filed Apr. 9, 1924.



No claim is made to the words "The Rapid Cleanser and Polisher" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Cleaning and Polishing Soap.
Claims use since Apr. 1, 1923.

Ser. No. 195,409. (CLASS 43. THREAD AND YARN.) NAAMLOOZE VENNOOTSCHAP HOLLANDSCHE KUNSTZIJDE INDUSTRIE, Emer, Breda, Netherlands. Filed Apr. 11, 1924.

CENTRA

Particular description of goods.—Artificial-Silk Thread and Yarn.
Claims use since June 5, 1923.

Ser. No. 195,511. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GLASCO ELECTRIC CO., St. Louis, Mo. Filed Apr. 14, 1924.

GLASCO

Particular description of goods.—Electrical Devices, Supplies, and Equipment—Namely, Insulated Electric Wire, Insulators, Insulation Tape, Switch and Junction Boxes, Fuses, Sockets, Switches, and Electrical Receptacles, Branch Blocks, Conduits, Cables, Guards, Lamps, Bulbs, Ceiling-Light Fixtures, Bells, Buzzers, Push Buttons, Bell Transformers, Coils, Rheostats, and Flash Lights and Batteries.
Claims use since Feb. 6, 1917.

Ser. No. 195,665. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RALPH D. WARD, New York, N. Y. Filed Apr. 16, 1924.

Electruck

Particular description of goods.—Electric Delivery and Passenger Vehicles, Not Including Engines.
Claims use since Mar. 28, 1924.

Ser. No. 195,730. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LOUIS ALLIS COMPANY, Milwaukee, Wis. Filed Apr. 18, 1924.



No claim is made to the words "Mark of Allis Excellence" apart from the mark shown in the drawing.
Particular description of goods.—Electric Motors, Generators, Rotary Converters, Inverted Rotaries, Frequency Changers, Controllers, and Compensators.
Claims use since about Feb. 1, 1924.

Ser. No. 195,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE LIBERMAN BARBER SUPPLY CO., INC., Boston, Mass. Filed Apr. 18, 1924.



No claim is made to the words "Boston, Mass." apart from the mark shown.
Particular description of goods.—Lotion for Hairdressing Purposes.
Claims use since June 1, 1923.

Ser. No. 195,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. ROUSSEL, doing business as Parfumerie Silka, Paris, France. Filed Apr. 18, 1924.

CARICIA

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Talcum Powders, Face Creams, Brilliantine, Lotion for the Skin and Hair, and Dentifrices.
Claims use since Mar. 16, 1910.

Ser. No. 195,820. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. W. HAIGHT, doing business as Onaola Manufacturing Company, Los Angeles, Calif. Filed Apr. 19, 1924.

ONAOLA

Particular description of goods.—Face Powder, Lemon Cream for the Face, a Motor Cream for the Face, a Skin and Tissue Cream, a Vanishing Cream, a Cleansing Cream, a Massage Cream, a Peroxide Cream, White-Mud Pack, Hairdressing, and Hair Shampoo.
Claims use since Apr. 1, 1912.

Ser. No. 195,881. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BENJAMIN J. GARFUNKEL, doing business as Garvé, New York, N. Y. Filed Apr. 21, 1924.

Garvé

Particular description of goods.—Hat Stretchers.
Claims use since Aug. 23, 1923.

Ser. No. 195,967. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LECTRODIO COMPANY, Lynn, Mass. Filed Apr. 22, 1924.

ELEKTRON
The Heart of Radio

No claim is made to the word "Elektron" or to the graphic symbol illustrating a vacuum tube apart from the mark shown in the drawing.
Particular description of goods.—Radio Apparatus—Namely, Vacuum Tubes.
Claims use since Feb. 1, 1924.

Ser. No. 196,061. (CLASS 15. OILS AND GREASES.) HUMBLE OIL & REFINING COMPANY, Houston, Tex. Filed Apr. 24, 1924.

VELVET

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both with and without Admixtures of Animal, Vegetable, and Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since May 1, 1903.

Ser. No. 196,384. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Filed May 1, 1924.

BLACKNIGHT

No claim is made to the representation of a packing apart from the mark shown in the drawing.
Particular description of goods.—Leather Packings.
Claims use since Dec. 15, 1923.

Ser. No. 196,443. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DE BARDELEBEN COAL CORPORATION, Birmingham, Ala. Filed May 2, 1924.

SIPSEY COAL EXCELS

No claim to the exclusive use of the words "Coal Excels" is made apart from the mark as shown.
Particular description of goods.—Coal.
Claims use since about 1912.

Ser. No. 196,444. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DIETZEN, INC., New York, N. Y. Filed May 2, 1924.

QUALITY Dietzen PRODUCTS

No claim is made to the words "Quality Products" apart from the mark shown in the drawing.
Particular description of goods.—Head Phones, Condensers, Rheostats, Radio Loud Speakers, and Assembled Radio Sets.
Claims use since Jan. 1, 1922.

Ser. No. 196,521. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. E. HILL MFG. CO., Atlanta, Ga. Filed May 3, 1924.

HILCO

Particular description of goods.—Complete Radio Receiving and Sending Sets and Instruments and Parts Thereof.
Claims use since June 1, 1922.

Ser. No. 196,588. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 5, 1924.

MAINTENON

Particular description of goods.—Sterling-Silver Dinner Service.
Claims use since January, 1917.

Ser. No. 196,706. (CLASS 38. PRINTS AND PUBLICATIONS.) ARCHIE C. HOFF, Los Angeles, Calif. Filed May 7, 1924.

Los Angeles Annual Builders Guide

Particular description of goods.—Building-Ordinance Handbook, Which is an Annual Publication.
Claims use since Nov. 1, 1923.

Ser. No. 196,714. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH TILLOU SATTELS, doing business as Ambassador Sales Company, New York, N. Y. Filed May 7, 1924.

AMBASSADOR

Particular description of goods.—Radio Receiving Sets and Parts Therefor, Phones, Head Sets, Tuning Coils, Induction Coils, Condensers, Transformers, Detectors, Insulators, Plugs, Extension Cords, Lightning Protectors or Arresters, Vacuum Tubes, Vacuum-Tube Sockets, and Loud Speakers and Horns for Radio Apparatus.
Claims use since May 12, 1923.

Ser. No. 196,811. (CLASS 27. HOROLOGICAL INSTRUMENTS.) INTERNATIONAL TIME RECORDING COMPANY OF NEW YORK, New York, N. Y. Filed May 9, 1924.

International

Particular description of goods.—Clocks and Time Recorders.
Claims use since April, 1900.

Ser. No. 196,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAM-BON PRODUCTS COMPANY, Providence, R. I. Filed May 12, 1924.

TAM-BON

Particular description of goods.—Cough Sirup.
Claims use since Sept. 1, 1923.

Ser. No. 196,949. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ASBESTOS & ELECTRICAL FITTINGS CO. LTD., London, England. Filed May 13, 1924.

SINDANYO

Particular description of goods.—Composition Consisting Principally of Asbestos for Use for Electrical Insulation.
Claims use since Sept. 17, 1908.

Ser. No. 196,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REHFUSS & ANDERSON, Philadelphia, Pa. Filed May 10, 1924.

Mfg'd. by REHFUSS & ANDERSON
RASOL SPRA
INERT WATER 12%
PHILA. PA.

No claim is made to the words "Mfg'd. by," "Inert Water 12%," and "Phila., Pa.," apart from the mark shown.
Particular description of goods.—Contact Insecticide.
Claims use since March, 1923.

Ser. No. 196,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REHFUSS & ANDERSON, Philadelphia, Pa. Filed May 10, 1924.

MFG'D BY REHFUSS & ANDERSON
BEETOL
SPRA
INERT WATER
12%
PHILA. PA.

No claim is made to the words "Mfg'd. by," "Inert Water 12%," and "Phila., Pa.," apart from the mark shown.

Particular description of goods.—Contact Insecticide.
Claims use since October, 1923.

Ser. No. 196,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIP-TOP BOTTLING COMPANY, St. Louis, Mo. Filed May 13, 1924.

SNOWLITE

Particular description of goods.—A Topping for Ice-Cream Confections and for Fancy Drinks.
Claims use since Mar. 15, 1923.

Ser. No. 196,995. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEST DISINFECTING COMPANY, New York, N. Y. Filed May 13, 1924.

Moscacida

Particular description of goods.—Insecticides.
Claims use since Apr. 25, 1924.

Ser. No. 197,018. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMERSON WATCH CASE CO., INC., New York, N. Y. Filed May 14, 1924.

Emerson
W.C.CO.
LUNA
QUALITY

The word "Quality" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Watchcases.
Claims use since March, 1923.

Ser. No. 197,037. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed May 14, 1924.

TRIPLE-T

Particular description of goods.—Watches.
Claims use since Apr. 26, 1924.

Ser. No. 197,044. (CLASS 38. PRINTS AND PUBLICATIONS.) PETROLEUM PUBLISHING COMPANY, Tulsa, Okla. Filed May 14, 1924.

The Oil and Gas Journal

Particular description of goods.—Weekly Publication.
Claims use since on or about June, 1910.

Ser. No. 197,064. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) O. P. CRAMER, Los Angeles, Calif. Filed May 15, 1924.

MAH-SCOT

The word "Mah-Scot" is a misspelling and rearrangement of the English word "mascot," the definition of which latter is a person or talismanic object that is supposed to bring good luck.

Particular description of goods.—Racks, Game Pieces, Counters, and Accessories Used in Playing the Game of Chinese Dominoes.
Claims use since Apr. 15, 1924.

Ser. No. 197,067. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER INC., New York, N. Y. Filed May 15, 1924.

Gold Band Reeds

No claim is made to the use of the word "Reeds" apart from the mark as shown in the drawing.

Particular description of goods.—Reeds for Wood-Wind Musical Instruments.
Claims use since Mar. 25, 1924.

Ser. No. 197,146. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THEODORE GRUENBAUM, Philadelphia, Pa. Filed May 16, 1924.

Green Tree
Brand
A GOOD BRAND
TO GO
BUY

Applicant disclaims the words "Brand" and "Good Brand to go Buy" apart from the mark shown on the drawing.

Particular description of goods.—Maltless Flavoring Extracts, Concentrates, Sirups, All of Which are Used as Ingredients for Beverages.
Claims use since Apr. 1, 1923.

Ser. No. 197,171. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ERNST HEINRICH ROTH CO., INC., New York, N. Y. Filed May 16, 1924.

Ernst Heinrich Roth

The trade-mark is the signature of Ernst Heinrich Roth.

Particular description of goods.—Violins, Violas, Violoncellos, Bass Violas, Parts Thereof, and Bows and Strings Therefor.
Claims use since Nov. 16, 1922.

Ser. No. 197,178. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) RILEY SWEERS, doing business as Riley Sweers Company, Toledo, Ohio. Filed May 16, 1924.

BEECH-NUT

Particular description of goods.—Clothespins.
Claims use since Apr. 4, 1923.

Ser. No. 197,190. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed May 17, 1924.

Columbia

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets, Radio and Audio Frequency Amplifiers, Loud Speakers; Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since on or about Oct. 10, 1923.

Ser. No. 197,191. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed May 17, 1924.

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets, Radio and Audio Frequency Amplifiers, Loud Speakers, Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since on or about Feb. 1, 1922.

Ser. No. 197,198. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALLIE R. FLEENOR, Morrill, Nebr. Filed May 17, 1924.

B. H.

Particular description of goods.—Preparation for Blackhead in Turkeys.
Claims use since about Feb. 10, 1924.

Ser. No. 197,222. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SIMSON & FREY, INC., New York, N. Y. Filed May 17, 1924.

THE TIGERFLAME

Particular description of goods.—Violins, Violas, Violoncellos, Bass Violas, Parts Thereof, and Bows and Strings Therefor.
Claims use since May 14, 1924.

Ser. No. 197,262. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY F. DE LONGE, doing business as City Exterminating Company, Chicago, Ill. Filed May 19, 1924.

WHITE X

Particular description of goods.—Roach, Ant, and Water-Bug Exterminator in Powdered Form.
Claims use since January, 1916.

Ser. No. 197,310. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SAM WILLER HUMAN HAIR GOODS CO., doing business as Wonda Made Products Co., Shreveport, La. Filed May 19, 1924.

WONDA MADE

Particular description of goods.—Face Powder, Perfume, Perfume Extracts, Talcum Powder, Toilet Water, Powder Compact, Rouge Compact, Vanishing Cream, Cold Cream, Lemon Cream, Cucumber Lotion, Benzoin and Almond Lotion, Rose Lotion, Lemon and Witch-Hazel Lotion, Lip Rouge, Coconut-Oil Shampoo, Shaving Lotion, Beauty Clay, Hairdressing, Bandoline, Brilliantine Hair Tonic, Hair Dye, Deodorant Foot Powder, Skin Whitener, Tooth Paste, Liver Pills, Kidney Pills, Cold Tablets, Cough Sirup, Castoria, Healing Oil, Carbolic Salve, Liniment, Toothache Drops, Corn and Wart Remedy, and Food Coloring.
Claims use since Apr. 12, 1924.

Ser. No. 197,324. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE L. D. CAULK COMPANY, Milford, Del. Filed May 20, 1924.

DENTU-CREME

No claim is made to the word "Creme" apart from the mark shown in the drawing, but no common-law right to the mark or any feature thereof is waived by this disclaimer.
Particular description of goods.—Preparation for Cleaning and Polishing False Teeth, Dental Teeth Plates, and Dental Bridgework.
Claims use since Apr. 24, 1924.

Ser. No. 197,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT E. ELKS, Jr., Goldsboro, N. C. Filed May 20, 1924.



No claim is made to the words "Pile Salve," "Mfg. by," or "Goldsboro, N. C." apart from the mark as shown.
Particular description of goods.—Pile Salve.
Claims use since May 9, 1924.

Ser. No. 197,408. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. W. ARENTSEN & CO., Chicago, Ill. Filed May 22, 1924.



The descriptive term "Fabrics" included in the mark is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Linen and Cotton Goods in the Piece.
Claims use since Sept. 1, 1922.

Ser. No. 197,418. (CLASS 38. PRINTS AND PUBLICATIONS.) DAILY TRADE RECORD CO. OF N. Y., New York, N. Y. Filed May 22, 1924.

I SEE

Particular description of goods.—Newspaper, Newspaper Article in Box Form, Column, or Columns.
Claims use since Sept. 27, 1923.

Ser. No. 197,419. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed May 22, 1924.



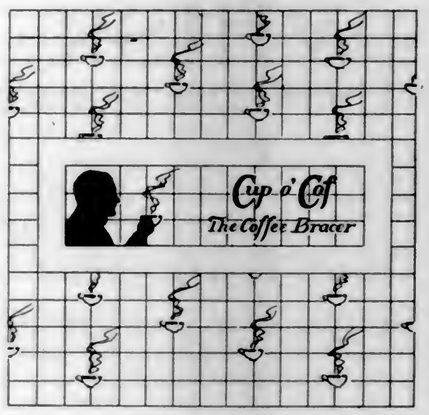
Applicant without waiving any common-law rights hereby disclaims the phrase "That the World May Hear the World" except in connection with the mark shown in the drawings.
Particular description of goods.—Radio Receiving Sets and Parts Thereof—Namely, Condensers, Variometers, Transformers, Variotransformers, and Compensating Condensers.
Claims use since Mar. 15, 1924.

Ser. No. 197,497. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLETUS H. POPE, doing business as The Pope Drug Company, Jefferson City, Mo. Filed May 23, 1924.

Walpoo TRADE-MARK

No claim is made to the use of the words "Trade-Mark" apart from the specific mark shown.
Particular description of goods.—Foot Powder, Talcum Powder, Vanishing Cream, Cold Cream, Lemon Lotion, Shampoo, Cold Tablets, Cough Sirup, Liver Pills, Chigger Lotion, Peptonized Beef Tonic, Eyebrow Beautifier, Deodorant Cream, and Corn Remover.
Claims use since July 1, 1923.

Ser. No. 197,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED LESLIE VILAS, Pierre, S. Dak. Filed May 23, 1924.



The words "The Coffee Bracer" are disclaimed apart from the other features of the mark.
Particular description of goods.—Candy.
Claims use since Mar. 15, 1924.

Ser. No. 197,526. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ADVANCE APPLIANCE COMPANY, Waterloo, Iowa. Filed May 24, 1924.

"Serwette"

Particular description of goods.—Cabinets Adapted to Contain a Stove, Cooking Utensils, Food Supplies, and to Provide Table Surfaces for Dining, Ironing, and Other Purposes.
Claims use since Apr. 16, 1924.

Ser. No. 197,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY MAILLARD, New York, N. Y. Filed May 24, 1924.

CHO-RAYS

Particular description of goods.—Confections—Namely, Raisins Covered with Chocolate.
Claims use since May 8, 1924.

Ser No. 197,574. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHIRLPOOL PRODUCTS INC., Philadelphia, Pa. Filed May 24, 1924.

WHISK

THE WHIRLPOOL CLEANSER

The exclusive right to the use of the word "Cleanser" is herein disclaimed apart from the mark shown, without, however, waiving any common-law rights thereto.

Particular description of goods.—Cleanser in Granular Form for General Washing Purposes.

Claims use since about May 23, 1923.

Ser. No. 197,631. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMPSON GERMICIDAL STERILIZER CO. INC., Los Angeles, Calif. Filed May 26, 1924.

STERAL

Particular description of goods.—Toothbrush-Disinfecting Solutions.

Claims use since January, 1920.

Ser. No. 197,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. C. WESTBROOK, Rover and Griffin, Ga. Filed May 26, 1924.

REDLAND

W

Particular description of goods.—Fresh Peaches.

Claims use since June 14, 1921.

Ser. No. 197,668. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE KODEL MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 27, 1924.

KODEL

Particular description of goods.—Radio Receiving Sets.

Claims use since May 1, 1924.

Ser. No. 197,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WHEAL JEWELL AND MARYTAVY MINES, LIMITED, Glasgow, Scotland. Filed May 28, 1924.

BLACK HAND

Particular description of goods.—Arsenic and Arsenical Compounds, Being Chemical Substances Used for Agricultural, Horticultural, and Veterinary Purposes.

Claims use since on or about June 1, 1923.

Ser. No. 197,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE L. LIEBER, Philadelphia, Pa. Filed May 20, 1924.



The profile appearing in the drawing is that of Mrs. Lieber, no claim being made to the word "Phila," apart from the mark shown.

Particular description of goods.—Toilet Waters, Perfumes; Dental Powders, Pastes, and Washes; Face Powders, Rouges, Ointments and Salves for Beautifying and Improving the Skin, Skin Lotions, Hair Tonics, Pomades, Talcum Powders, Shampoo, Cold Cream, Dandruff Preparations, Shaving Lotions; Medicinal Digestive and Tonic Tablets.

Claims use since Apr. 1, 1923.

Ser. No. 197,811. (CLASS 38. PRINTS AND PUBLICATIONS.) HARTMAN FURNITURE & CARPET COMPANY, Chicago, Ill. Filed May 29, 1924.

MODERN HOME MAGAZINE

Particular description of goods.—Furniture Magazine Issued Quarterly.

Claims use since May 1, 1924.

Ser. No. 197,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN ILLINOIS CEREAL COMPANY, Chicago, Ill. Filed May 29, 1924.



Particular description of goods.—Rolled Oats.

Claims use since about May 15, 1924.

Ser. No. 197,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS B. RUMBLE, doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif. Filed May 29, 1924.

REX

Particular description of goods.—Fresh Deciduous Fruits—Namely, Peaches and Apricots; and All Varieties of Melons—Namely, Persian Melons.

Claims use since 1918.

Ser. No. 197,867. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONSOLIDATED SPECIALTIES COMPANY, New Bedford, Mass. Filed May 31, 1924.

GO-SPECO

Particular description of goods.—Cleaning Fluid for Glass.

Claims use since Nov. 1, 1922.

Ser. No. 197,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif. Filed May 31, 1924.

RED WING

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges.

Claims use since January, 1912.

Ser. No. 197,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif. Filed May 31, 1924.

GOLD WING

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges.

Claims use since January, 1912.

Ser. No. 197,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed June 2, 1924.

YOHIMBITONE

Particular description of goods.—Tonic for Treatment of Impotency, Especially of a Neurasthenic Origin.

Claims use since Apr. 16, 1924.

Ser. No. 197,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THAB LABORATORIES, Sheffield, Iowa. Filed June 2, 1924.

MENSO-ETTES

Particular description of goods.—Medicinal Preparation for the Treatment of Dysmenorrhea.

Claims use since Feb. 1, 1924.

Ser. No. 198,009. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Filed June 3, 1924.

Four Horsemen



The words "Four Horsemen" are in gold as shown in the drawing, and the horse on left as the drawing is viewed is brown, the next to the left is white, the next to the right is black, and that on the extreme right is cream or light yellow. The rider of horse first referred to is gray, as is the rider of the horse on the extreme right. The rider of the white horse is shown in red and that of second horse from right is shown in green.

Particular description of goods.—Cotton Blankets and Cotton Piece Goods.

Claims use since Mar. 24, 1922.

Ser. No. 198,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX ALBERT, Cedar Rapids, Iowa. Filed June 4, 1924.

RADIOLITE

Particular description of goods.—Chemicals Suitable for Cleansing and Softening Water.
Claims use since Jan. 21, 1924.

Ser. No. 198,046. (CLASS 30. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ARROW ELECTRIC COMPANY, Hartford, Conn. Filed June 4, 1924.

"GLO-TIP"

Particular description of goods.—Luminous Pendants and Buttons to be Attached to Objects to be Located in the Dark.
Claims use since June, 1922.

Ser. No. 198,090. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SIMSON & FREY, INC., New York, N. Y. Filed June 4, 1924.

SAXIE

Particular description of goods.—Air Musical Instruments of the General Character of Horns.
Claims use since May 5, 1924.

Ser. No. 198,147. (CLASS 15. OILS AND GREASES.) MAJESTIC SALES AGENCY, Chicago, Ill. Filed June 5, 1924.

PENETROL

Particular description of goods.—Graphite Penetrating Oil.
Claims use since June 1, 1923.

Ser. No. 198,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY CITY MILLING COMPANY, Bay City, Mich. Filed June 6, 1924.

OLD CABIN

Particular description of goods.—Coffee.
Claims use since May 8, 1924.

Ser. No. 198,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY CITY MILLING COMPANY, Bay City, Mich. Filed June 6, 1924.

TRUEWORTH

Particular description of goods.—Coffee.
Claims use since May 8, 1924.

Ser. No. 198,250. (CLASS 39. CLOTHING.) R & G CORSET COMPANY, INC., New York, N. Y. Filed June 7, 1924.

TAILOR-MAID

Particular description of goods.—Corsets.
Claims use since May 3, 1924.

Ser. No. 198,279. (CLASS 38. PRINTS AND PUBLICATIONS.) ARMSTRONG-KILBOURNE, INC., Minneapolis, Minn. Filed June 9, 1924.

HEALTH + *plus* +

Particular description of goods.—Title of a Monthly Publication.
Claims use since May 20, 1924.

Ser. No. 198,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATHCART AND CATHCART, INC., Newburgh, N. Y. Filed June 9, 1924.

C & C

The characters "C & C" in monogram form and distinctive design inclosed within a circle forms trademark.
Particular description of goods.—Medicinal Compounds and Pharmaceutical Preparations for the Treatment of Ovarian and Menstrual Disorders, Kidney Disorders and Diseases, Iodine and Thyroid Insufficiency, Gastrointestinal Disorders, Dyspepsia, Diarrhea, Diabetes Mellitus and Pancreatic and Hepatic Glycosuria, Liver Disorders and Diseases, Autointoxication, Constipation, Biliousness, Neurasthenia, Obesity, and Sexual Functions.
Claims use since Apr. 7, 1924.

Ser. No. 198,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed June 9, 1924.

TURBANS

Particular description of goods.—Chocolate Candy.
Claims use since May 16, 1924.

Ser. No. 198,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN HAMBERG, Coeur d'Alene, Idaho. Filed June 9, 1924.

Tip-Sin

Particular description of goods.—Medicine for Tuberculosis.
Claims use since May 17, 1924.

Ser. No. 198,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELIX RYBAK, doing business as Rybak Chemical Co., Brooklyn, N. Y. Filed June 10, 1924.

Kasko Tea

No claim is made by applicant to the exclusive right to use the word "Tea" apart from the mark shown.
Particular description of goods.—Medicine in the Form of a Tea for Constipation, Torpid Liver, Biliousness, Nervous and Sick Headache, and Diseases of the Blood.
Claims use since February, 1921.

Ser. No. 198,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Filed June 11, 1924.



The lining in the drawing is intended to represent the color blue, and the face shown is fanciful. Without waiving any common-law right applicant disclaims the words "Delicious Ice-Cream" apart from the mark shown in the drawing.
Particular description of goods.—Ice Cream.
Claims use since about Mar. 1, 1924.

Ser. No. 198,401. (CLASS 38. PRINTS AND PUBLICATIONS.) WM. J. F. DAILEY, New York, N. Y. Filed June 11, 1924.

One Bulb Bill

Particular description of goods.—Nom de Plume for Newspaper and Periodical Writings.
Claims use since Apr. 28, 1923.

Ser. No. 198,404. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed June 11, 1924.

EJ

Particular description of goods.—Rubber and Composition Soles and Heels.
Claims use since Oct. 1, 1923.

Ser. No. 198,409. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed June 11, 1924.

American Ace

Particular description of goods.—Harmonicas.
Claims use since March, 1921.

Ser. No. 198,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSHAK MALTMOLAK CO. INC., Brooklyn, N. Y. Filed June 12, 1924.

MARSHAK MALTMOLAK CO.

Particular description of goods.—Food Product Consisting of Sugar Combined with Dry Skim Milk, Dry Whole Milk, Cocoa, and Malt.
Claims use since about May 10, 1924.

Ser. No. 198,467. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NICHOLS MFG. CO., Bridgeport, Conn. Filed June 12, 1924.

Puf-Lastic

Particular description of goods.—Puffed Elastic.
Claims use since on or about June 3, 1924.

Ser. No. 198,478. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) R-K SHIELD CO., Chicago, Ill. Filed June 12, 1924.

R-K
RIGHT-KIND SHIELDS

The words "Right-Kind Shields," and the picture of a shield are disclaimed as trade-marks except as used in conjunction with the mark shown in the drawing.
Particular description of goods.—Dress Shields.
Claims use since Aug. 31, 1922.

Ser. No. 198,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT BRUCE BARBER, doing business as Sy-Po Chemical Company, Baltimore, Md. Filed June 13, 1924.

SY-PO

Particular description of goods.—Preparation for the Treatment of Rheumatism, Lumbago, Sprains, Swellings, Sore Muscles, Sore Throat, and Cold in Chest, Bronchitis, Croup, Cuts, Burns, Scalds, Bruises, Insect Bites, Itch, Mange, and Other Skin Diseases, Neuralgia, Earache, Abscess of Ear, Toothache, and Gumboils, and Also for Use as a Deodorant and Germicide.
Claims use since Aug. 15, 1921.

Ser. No. 198,503. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BARBER ASPHALT COMPANY, Philadelphia, Pa. Filed June 13, 1924.



The lining on the drawing does not indicate any particular color. The words "The Standard of Excellence" and "Withstands the Test of Time" are disclaimed as trade-marks except as used in conjunction with the mark shown in the drawing.
Particular description of goods.—Mineral Rubber.
Claims use since Aug. 1, 1921.

Ser. No. 198,509. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DEAL ELECTRIC CO. INC., New York, N. Y. Filed June 13, 1924.



Without waiver of common-law rights no claim is made to the exclusive use of the words "The Best by Test" apart from the mark shown on the drawing.
Particular description of goods.—Christmas-Tree-Lighting Outfits, B Batteries, Flash-Light Batteries, and Plugs.
Claims use since about April, 1921.

Ser. No. 198,510. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DEAL ELECTRIC CO. INC., New York, N. Y. Filed June 13, 1924.



Without waiver of common-law rights no claim is made to the exclusive use of the words "The Best by Test" apart from the mark shown on the drawing.
Particular description of goods.—Christmas-Tree-Lighting Outfits, B Batteries, Flash-Light Batteries and Electrical Connecting Plugs.
Claims use since about April, 1921.

Ser. No. 198,531. (CLASS 38. PRINTS AND PUBLICATIONS.) MOORE & EVANS, Chicago, Ill. Filed June 13, 1924.



Our Salesman

Particular description of goods.—Publication—Namely, Catalogues Issued Monthly and Annually.
Claims use since January, 1894.

Ser. No. 198,556. (CLASS 39. CLOTHING.) BARBOUR WELTING COMPANY, Montello Station, Brockton, Mass. Filed June 14, 1924.



Particular description of goods.—Welting for Boots and Shoes.
Claims use since Jan. 1, 1923.

Ser. No. 198,566. (CLASS 39. CLOTHING.) COMMERCIAL HEADWEAR CO. INC., New York, N. Y. Filed June 14, 1924.

Klassy Kid

Particular description of goods.—Ladies', Misses', and Children's Hats.
Claims use since June 1, 1924.

Ser. No. 198,569. (CLASS 39. CLOTHING.) GRAYONA NEEDLECRAFT CORPORATION, New York, N. Y. Filed June 14, 1924.



Particular description of goods.—Children's Dresses.
Claims use since Apr. 11, 1916.

Ser. No. 198,576. (CLASS 39. CLOTHING.) KOPS BROS., INC., New York, N. Y. Filed June 14, 1924.

Marvelastik

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since May 15, 1924.

Ser. No. 198,589. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SIMPLEX WIRE & CABLE COMPANY, Boston, Mass. Filed June 14, 1924.

CONDEX

Particular description of goods.—Wire for Electrical Use, Protecting Insulating Coverings for Conducting Wire, and Insulated and Protected Electrical Conducting Wire.
Claims use since Apr. 12, 1924.

Ser. No. 198,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCO-ICE COMPANY, Chicago, Ill. Filed June 16, 1924.



Applicant disclaims the term "5¢" (appearing in two places) apart from the mark as shown on the drawing.
Particular description of goods.—Confections and Food Products—Namely, Chocolate or Candy-Coated Pastry Containers for Ice Cream and Other Food Products.
Claims use since about Apr. 1, 1923.

Ser. No. 198,618. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCO-ICE COMPANY, Chicago, Ill. Filed June 16, 1924.

COLD-DOG 5¢
"A CHOCO ICE"

The term "5¢" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Confections and Food Products—Namely, Chocolate or Candy Coated Pastry Containers for Ice Cream and Other Food Products.
Claims use since about March, 1922.

Ser. No. 198,619. (CLASS 39. CLOTHING.) THE CLIVER-WRIGHT-RAINEY CO., Cincinnati, Ohio. Filed June 16, 1924.

Raitex

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Jan. 1, 1922.

Ser. No. 198,620. (CLASS 39. CLOTHING.) COLONIAL KNITTING MILLS, INC., Philadelphia, Pa. Filed June 16, 1924.

SILKCREST

Trade-mark consists of the word "Silkcrest."
Particular description of goods.—Hosiery.
Claims use since May 13, 1924.

Ser. No. 198,649. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAURICE LEVY, New York, N. Y. Filed June 16, 1924.

Tango

Particular description of goods.—Powder Puffs.
Claims use since June 1, 1924.

Ser. No. 198,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS CONE MANUFACTURING COMPANY, St. Joseph, Mo. Filed June 16, 1924.



No claim is made to the representation of a cone apart from the mark as shown.
Particular description of goods.—Ice-Cream Cones.
Claims use since Apr. 1, 1924.

Ser. No. 198,683. (CLASS 39. CLOTHING.) SCHEYER & Co., Chicago, Ill. Filed June 16, 1924.



Particular description of goods.—Men's Suits and Overcoats and Women's Overcoats.
Claims use since Apr. 1, 1924.

Ser. No. 198,684. (CLASS 39. CLOTHING.) SCHULTZ-ROSKY-BLOCK CO., Chicago, Ill. Filed June 16, 1924.

ESSARBEE

Particular description of goods.—Knitted Underwear, Sweater Coats, Bathing Suits, and Hosiery for Men, Women, and Children, Men's and Boys' Dress Shirts, Work Shirts, and Flannel Outing Shirts, Pyjamas and Nightshirts.
Claims use since January, 1919.

Ser. No. 198,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GROCER COMPANY, Marshalltown, Iowa. Filed June 16, 1924.

Jack Sprat

Particular description of goods.—Domino Sugar, Cane Sugar, Fresh Potatoes, Canned Apples, Salted Peanuts, Tomato Purée, Canned Spaghetti, Vegetable Soup, Tomato Soup, Canned Chili Con Carne, Yellow Corn Meal, White Corn Meal, Graham Flour, and Chili Sauce.
Claims use since November, 1923.

Ser. No. 198,695. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN LABORATORIES INCORPORATED, Richmond, Va. Filed June 17, 1924.



Particular description of goods.—Insecticides, Deodorants, and Disinfectants.
Claims use since on or about Feb. 1, 1921.

Ser. No. 198,718. (CLASS 39. CLOTHING.) T. P. MCCUTCHEON & BRO., INCORPORATED, Philadelphia, Pa. Filed June 17, 1924.

MAC DUR

Particular description of goods.—Hosiery and Neckties.
Claims use since May 19, 1924.

Ser. No. 198,730. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATHCART AND CATHCART, INC., Newburgh, N. Y. Filed June 18, 1924.

Zy-neph-ese

Trade-mark "Zy-neph-ese."
Particular description of goods.—Pharmaceutical Preparation Composed of Kidney and Other Cooperative Gland Substances for the Alleviation and Treatment of Kidney Disorders.
Claims use since May 27, 1924.

Ser. No. 198,733. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) FREDERICK CULMAN, doing business as Frederick Culman Co., New York, N. Y. Filed June 18, 1924.

Fine old
COLONY
BOTTLED IN BOND
BRANDY

No claim is made to "Fine Old Bottled in Bond Brandy" apart from the mark as shown.
Particular description of goods.—Brandy.
Claims use since Dec. 10, 1923.

Ser. No. 198,779. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BARBER ASPHALT COMPANY, Philadelphia, Pa. Filed June 19, 1924.

Genasco

The lining on the drawing does not indicate any particular color.
Particular description of goods.—Mineral Rubber.
Claims use since Apr. 1, 1903.

Ser. No. 198,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED B. FLORES, doing business as Choco-Dulce Co., San Antonio, Tex. Filed June 19, 1924.



The words "Pastillas" and "Dulce" not being claimed apart from the other features of the mark.
Particular description of goods.—Laxative.
Claims use since May 1, 1922.

Ser. No. 198,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOMINICO GUARNERI, New York, N. Y. Filed June 19, 1924.



The portrait in said trade-mark is that of Giuseppi Mazzini (deceased).
Particular description of goods.—Olive Oil.
Claims use since Aug. 1, 1923.

Ser. No. 198,808. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. KILMER & Co., Binghamton, N. Y. Filed June 19, 1924.

Dr. Kilmer & Co.

The mark consists in the applicant's corporate name in the handwriting of the late Jonas M. Kilmer.

Particular description of goods.—Medicinal and Pharmaceutical Preparations for the Treatment of the Following Diseases and Conditions: Curable Ailments of the Kidneys, Liver, Bladder, and Urinary Organs; Diseases Peculiar to Females, Hoarseness, Tickling in the Throat, Colds or Catarrhal Irritation of the Throat, Coughs, and Spasmodic Croup.

Claims use since 1910.

Ser. No. 198,811. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARATHON BATTERY COMPANY, Wausau, Wis. Filed June 19, 1924.



Particular description of goods.—Batteries and Dry Cells.

Claims use since May 24, 1924.

Ser. No. 198,813. (CLASS 17. TOBACCO PRODUCTS.) THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa. Filed June 19, 1924.



The mark as shown is a fanciful picture and is not the portrait of any individual.

Particular description of goods.—Cigars.

Claims use since Apr. 28, 1890.

Ser. No. 198,814. (CLASS 17. TOBACCO PRODUCTS.) THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa. Filed June 19, 1924.



Applicant hereby disclaims the words "By Permission, Trade Mark and Design Owned by Allen R. Cressman's Sons." Said original adoption and use was with the written consent of said "Jack London," an individual now deceased.

Particular description of goods.—Cigars.

Claims use since Feb. 17, 1906.

Ser. No. 198,873. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN L. HINKLEY, doing business as KayO Manufacturing Co., Poughkeepsie, N. Y. Filed June 20, 1924.

KayO

Trade Mark.

The words "Trade-Mark" appearing on the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Tar and Grease Remover and Cleaner.

Claims use since about June 1, 1924.

Ser. No. 198,875. (CLASS 17. TOBACCO PRODUCTS.) THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa. Filed June 20, 1924.



Representation of the goods and the word "Cigar" are disclaimed.

Particular description of goods.—Cigars.

Claims use since August, 1899.

Ser. No. 198,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROCCO PERRETTA & Co., Utica, N. Y. Filed June 20, 1924.

LA SORRENTINA

Particular description of goods.—Macaroni and Other Alimentary Pastes.

Claims use since 1916.

Ser. No. 198,952. (CLASS 17. TOBACCO PRODUCTS.) THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa. Filed June 21, 1924.



Applicant disclaims the words "Trade-Mark & Design Owned by Allen R. Cressman's Sons." The picture is that of John Keats, English poet, 1795–1824.

Particular description of goods.—Cigars.

Claims use since May 6, 1908.

Ser. No. 198,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ODOL CORPORATION, New York, N. Y. Filed June 21, 1924.

Odolets

Particular description of goods.—Tablets for Purifying Breath and Taste, Clearing Throat and Voice, and Stimulating Saliva and Digestion.

Claims use since June 7, 1924.

Ser. No. 198,974. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TWEEDITE MANUFACTURING CO., Portsmouth, Va. Filed June 21, 1924.

TWEEDITE



Particular description of goods.—Chemical Preparation for Use as a Carbon Remover for Internal-Combustion Engines.

Claims use since May 15, 1924.

Ser. No. 198,990. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEPHAN A. DAVIS, doing business as Davis Electric Co., Springfield, Ohio. Filed June 23, 1924.

Megadyne

Particular description of goods.—Couplers for Circuits of Wireless Receiving Apparatus.

Claims use since on or about Jan. 1, 1924.

Ser. No. 198,992. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y. Filed June 23, 1924.

ARISTOCRAT

Particular description of goods.—Radio Head Sets.

Claims use since July 1, 1923.

Ser. No. 199,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND J. PROVOST, doing business as Qualité Service Co., Providence, R. I. Filed June 23, 1924.

QUALITÉ

Q

No claim is made to the word "Qualite" except in conjunction with the other elements of the trade-mark.

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Aug. 30, 1921.

Ser. No. 199,030. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE AUTOMATIC COIL WINDER AND ELECTRICAL EQUIPMENT COMPANY LIMITED, London, England. Filed June 24, 1924.

AVOMETER

Particular description of goods.—Combined Instrument for Measuring Electrical Current Pressure and Resistances.

Claims use since Sept. 25, 1923.

Ser. No. 199,047. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE DILL COMPANY, Norristown, Pa. Filed June 24, 1924.

"KLINK"

Particular description of goods.—Extract in Liquid Form for the Manufacture of a Nonalcoholic, Maltless Beverage.
Claims use since May 15, 1924.

Ser. No. 199,115. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HANSEN COMPANY, Chicago, Ill. Filed June 25, 1924.

REPUBLIC

Particular description of goods.—Electric Transformers.
Claims use since Aug. 15, 1923.

Ser. No. 199,203. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN METAL CAP Co., Brooklyn, N. Y. Filed June 27, 1924.

AMERSEAL

Particular description of goods.—Metal Caps and Closures.
Claims use since Jan. 18, 1924

Ser. No. 199,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KENT & Co., Trenton, N. J. Filed June 27, 1924.



Particular description of goods.—A Chemical Preparation for Use as a Carbon Remover.
Claims use since June 9, 1924.

Ser. No. 199,248. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Ped-o-Kube

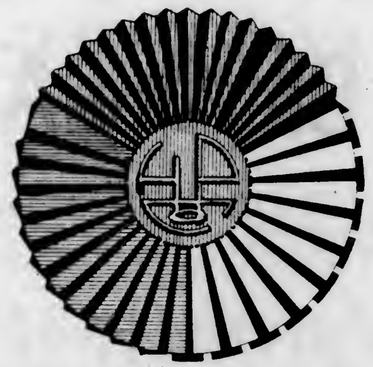
Trade-mark consists of the word "Ped-O-Kube."
Particular description of goods.—Soap.
Claims use since early in 1921.

Ser. No. 199,275. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHOCTAW FLAVOR PRODUCTS CO., INC., New Orleans, La. Filed June 28, 1924.



No claim is made to the word "Kola" apart from the mark shown, without waiving any common-law rights therein.
Particular description of goods.—Nonalcoholic, Maltless Extract for Beverage Purposes.
Claims use since June 18, 1924.

Ser. No. 199,284. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HACKER PLEATING CO. INC., New York, N. Y. Filed June 28, 1924.



The drawing is lined to indicate the colors red and blue.
Particular description of goods.—Tucked, Corded, Plaited, Hemstitched, and Other Fancy-Stitched Cotton, Silk, Wool, or Worsted Fabrics.
Claims use since April, 1918.

Ser. No. 199,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLOSSY DENTAL MFG. CO., Evanston, Ill. Filed June 30, 1924.

LUCKY-LOVE-LURE

Particular description of goods.—Perfume.
Claims use since Aug. 1, 1923.

Ser. No. 199,357. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JORDAN MOTOR CAR COMPANY, INC., Cleveland, Ohio. Filed June 30, 1924.

LINE - EIGHT

Particular description of goods.—Automobiles and Constructive Parts Thereof.
Claims use since June 12, 1924.

Ser. No. 199,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. MCDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed June 30, 1924.

Ironetts

Particular description of goods.—Candy.
Claims use since May 19, 1924.

Ser. No. 199,382. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTHRUP, KING & Co., Minneapolis, Minn. Filed June 30, 1924.

HOMELAWN

Particular description of goods.—Lawn-Grass Seed.
Claims use since June 17, 1924.

Ser. No. 199,385. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND FRIEDOLIN PABST, doing business as Pabst Chemical Company, Chicago, Ill. Filed June 30, 1924.

VISTOSAN

Particular description of goods.—Medicine (Serum) for the Treatment of Diseases of the Eye.
Claims use since Apr. 26, 1924.

Ser. No. 199,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUMA-KIL CHEMICAL COMPANY, Atlanta, Ga. Filed June 30, 1924.

Ruma-kil

Particular description of goods.—Preparation for the Treatment of Rheumatism, Neuralgia, Neuritis, Sciatica, Lumbago, and Rheumatic Pains.
Claims use since Mar. 15, 1924.

Ser. No. 199,406. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNDERWOOD-TALMAGE CO., Dayton, Ohio. Filed June 30, 1924.

Utaco

Particular description of goods.—Candy.
Claims use since 1920.

Ser. No. 199,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNDERWOOD-TALMAGE CO., Dayton, Ohio. Filed July 1, 1924.

GOODANUGLY

Particular description of goods.—Candy.
Claims use since April, 1924.

Ser. No. 199,443. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGINIA BAKING CO. INC., Richmond, Va. Filed July 1, 1924.

HAVAMINT

Particular description of goods.—Candy.
Claims use since May 27, 1924.

Ser. No. 199,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS CO., Winona, Minn. Filed July 1, 1924.

BELLE DE NUIT

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since June 20, 1924.

Ser. No. 199,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA HELEN ARLT, Brooklyn, N. Y. Filed July 2, 1924.

Air de Jeunesse
HAND MADE

No claim is made to the words "Hand Made" apart from the mark shown.
Particular description of goods.—Rouge.
Claims use since February, 1923.

Ser. No. 199,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BARBASOL COMPANY, Indianapolis, Ind. Filed July 2, 1924.

Barbasol

Particular description of goods.—Toilet Powder.
Claims use since May 1, 1924.

Ser. No. 199,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERTI BROTHERS, Los Angeles, Calif. Filed July 3, 1924.

VERDEMONTE

Particular description of goods.—Grapes in their Natural State.
Claims use since July 1, 1923.

Ser. No. 199,523. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADONA

Trade-mark consists of the word "BraDona."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 24, 1924.

Ser. No. 199,525. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

Soltestis

Trade-mark consists of the word "Soltestis."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BROACRÉ

Trade-mark consists of the word "Broacré."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since June 23, 1924.

Ser. No. 199,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BraDglosA

Trade-mark consists of the word "BraDglosA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,530. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

SUNIMUNE

Trade-mark consists of the word "Sunimune."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,532. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADSAYDA

Trade-mark consists of the word "BraDsaydA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 7, 1924.

Ser. No. 199,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADUSA

Trade-mark consists of the word "BraDusA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,534. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

DUOCEL

Trade-mark consists of the word "Duocel."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,535. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

PERIKOLOR

Trade-mark consists of the word "Perikolor."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 30, 1924.

Ser. No. 199,588. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TRIPPE, BARKER & CO., New York, N. Y. Filed July 3, 1924.

Kayomi

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 24, 1919.

Ser. No. 199,602. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. H. BEHRENS & CO., INC., New York, N. Y. Filed July 5, 1924.

SHANTORA

Particular description of goods.—Piece Goods Made of Silk, Made of a Mixture of Cotton and Silk, or Made of a Mixture of Cotton and Artificial Silk.
Claims use since about June, 1912.

Ser. No. 199,608. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLICQUOT CLUB COMPANY, Millis, Mass. Filed July 5, 1924.



BLACK COW

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since January, 1923.

Ser. No. 199,624. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) INCANDESCENT SUPPLY COMPANY, New York, N. Y. Filed July 5, 1924.

ISCO

Particular description of goods.—Gas Upright and Inverted Burners, Fixtures, Brackets, Pendants, Mantles, Fittings, Tips, Heaters, Ceiling Lights, Table, Floor, and Boudoir Lamps, Ranges, Grills, and Cooking Stoves, All of the Foregoing for Use in Connection with Gas.
Claims use since Oct. 2, 1911.

Ser. No. 199,670. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS J. BLAIR, Kalamazoo, Mich. Filed July 7, 1924.

KEWPEE HOTELS

Particular description of goods.—Sandwiches.
Claims use since June 27, 1924.

Ser. No. 199,671. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BLAKE & STEARNS, Boston, Mass. Filed July 7, 1924.

SUITAL

Particular description of goods.—Woolens and Worsteds in the Piece.
Claims use since June 19, 1924.

Ser. No. 199,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAROLINA COFFEE CO., Charleston, S. C. Filed July 7, 1924.

O'Henry

Particular description of goods.—Coffee.
Claims use since Mar. 1, 1924.

Ser. No. 199,681. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed July 7, 1924.

DUX-BAK

Particular description of goods.—Tarpaulins and Tents.
Claims use since Feb. 15, 1923.

Ser. No. 199,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARTMAN PRODUCT CO., Kansas City, Kans. Filed July 7, 1924.

PARNOL

Particular description of goods.—Healing Antiseptic Germicide in Liquid Form for the Treatment of Pyorrhea, Trench Mouth, After the Extraction of Teeth, Bleeding Gums, Offensive Breath, Canker Sores, Tonsillitis, Sore Throat, Infection or Irritation of the Nasal Passages or Mucous Membrane, and Cuts, Wounds, or Sores in the Mouth.
Claims use since June 22, 1923.

Ser. No. 199,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. MOORE, doing business as Moore Laboratories, Chicago, Ill. Filed July 7, 1924.

"NU-GRO"

Particular description of goods.—Hair Tonic.
Claims use since June 7, 1924.

Ser. No. 199,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLYMPIA CANNING COMPANY, Olympia, Wash. Filed July 7, 1924.

PENWALD

Particular description of goods.—Canned Berries and Canned Fruit.
Claims use since June 18, 1917.

Ser. No. 199,776. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed July 9, 1924.

CCS

Particular description of goods. Closures for Receptacles.
Claims use since January, 1922.

Ser. No. 199,845. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAPL-FLAKE MILLS, INC., Chicago, Ill. Filed July 10, 1924.

JIFFY

Particular description of goods. Breakfast Cereals.
Claims use since Jan. 1, 1923.

Ser. No. 199,875. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDWARD BLOOM CO. INC., New York, N. Y. Filed July 11, 1924.

Seabright Cloth

Exclusive use of the word "Cloth" is disclaimed apart from the mark shown in the drawing.
Particular description of goods. Silk and Wool Piece Goods.
Claims use since July 2, 1924.

Ser. No. 199,950. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) L. MUNDET & SON, INC., Brooklyn, N. Y. Filed July 12, 1924.

Jointite

Particular description of goods.—Articles Made of Natural Cork, of Cork Particles, and of Cork Composition—Namely, Bottle Corks, Bottle Caps, and Cork Bulletin Boards.
Claims use since 1918.

Ser. No. 199,954. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HENRY L. SCOTT & COMPANY, Providence, R. I. Filed July 12, 1924.

SERIGRAPH

Particular description of goods. Machines for Testing the Strength or Stretch of Materials.
Claims use since Sept. 1, 1921.

Ser. No. 199,957. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STEWART MANUFACTURING CORPORATION, Chicago, Ill. Filed July 12, 1924.

Stewart

The trade-mark is a facsimile of the signature of John K. Stewart, the founder of this business.
Particular description of goods. Metal Packing Rings.
Claims use since Dec. 15, 1921.

Ser. No. 199,982. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed July 14, 1924.

No 66

Particular description of goods. Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since 1907.

Ser. No. 199,983. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed July 14, 1924.

No 66 EH

Particular description of goods.—Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since 1907.

Ser. No. 200,045. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEWLETT BROTHERS COMPANY, Salt Lake City, Utah. Filed July 15, 1924.

HEWLETT'S SUPREME

Hewlett Bros. Co.

Particular description of goods.—Coffee, Tea, Cornstarch, Spices, Extracts, Jams, Jellies, Honey, Rice, Sego, Tapioca, Prepared Mustard, Vinegar, and Crushed Fruits.
Claims use since 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 26, 1924.

188,317. PIPES, CIGAR HOLDERS, AND CIGARETTE HOLDERS. S. M. Frank & Co., Inc., New York, N. Y.
Filed April 1, 1924. Serial No. 194,790. PUBLISHED JUNE 17, 1924.

188,318. SHEET-METAL ROOFING AND SOLDER BARS. Berger Bros. Company, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,773. PUBLISHED JUNE 17, 1924.

188,319. PREPARATION USED TO INCREASE THE VISCOSITY OR THICKNESS AND TO IMPROVE MALTED MILK AND OTHER FOOD BEVERAGES. B. Heller & Company, Chicago, Ill.
Filed April 2, 1924. Serial No. 194,867. PUBLISHED JUNE 17, 1924.

188,320. DOLLS. Schoen & Yondorf Co. Inc., New York, N. Y.
Filed April 2, 1924. Serial No. 194,879. PUBLISHED JUNE 17, 1924.

188,321. FRESH CITROUS FRUITS. Stripes Citrus Packing Co., Fort Myers, Fla.
Filed April 4, 1924. Serial No. 195,026. PUBLISHED JUNE 17, 1924.

188,322. SOFT DRINKS. George I. Sload, doing business as Attaboy Company, Parkerford, Pa.
Filed April 7, 1924. Serial No. 195,135. PUBLISHED JUNE 17, 1924.

188,323. SOFT DRINKS. R. S. Botsford, Wallingford, Conn.
Filed April 10, 1924. Serial No. 195,260. PUBLISHED JUNE 17, 1924.

188,324. COTTON PIECE GOODS. The E. V. Benjamin Co., Inc., doing business as Maginnis Cotton Mills, New Orleans, La.
Filed April 11, 1924. Serial No. 195,327. PUBLISHED JUNE 17, 1924.

188,325. CANNED MEAT AND CEREALS FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. Chappel Bros., Inc., Rockford, Ill.
Filed April 14, 1924. Serial No. 195,490. PUBLISHED JUNE 17, 1924.

188,326. CANNED MEAT AND CEREALS FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. Chappel Bros., Inc., Rockford, Ill.
Filed April 14, 1924. Serial No. 195,491. PUBLISHED JUNE 17, 1924.

188,327. FLAVORING COMPOUNDS FOR FOODS. Fritzsche Brothers, Inc., New York, N. Y.
Filed April 15, 1924. Serial No. 195,576. PUBLISHED JUNE 17, 1924.

188,328. SMOKERS' PIPES AND CIGARETTE AND CIGAR HOLDERS. Maurice Rapoport & Company, New York, N. Y.
Filed April 15, 1924. Serial No. 195,599. PUBLISHED JUNE 17, 1924.

188,329. SCREEN HANGERS AND STORM-SASH HANGERS. The Stanley Works, New Britain, Conn.
Filed April 15, 1924. Serial No. 195,602. PUBLISHED JUNE 17, 1924.

188,330. SILK PIECE GOODS. Wechsler Barber Silk Company, Inc., New York, N. Y.
Filed April 15, 1924. Serial No. 195,606. PUBLISHED JUNE 17, 1924.

188,331. SILK PIECE GOODS. Wechsler Barber Silk Company, Inc., New York, N. Y.
Filed April 15, 1924. Serial No. 195,607. PUBLISHED JUNE 17, 1924.

188,332. MALT SIRUP. T. A. Carper, Dayton, Ky.
Filed April 16, 1924. Serial No. 195,632. PUBLISHED JUNE 17, 1924.

188,333. CERTAIN NAMED PIECE GOODS. Haas Brothers Fabrics Corporation, New York, N. Y.
Filed April 16, 1924. Serial No. 195,637. PUBLISHED JUNE 17, 1924.

188,334. CERTAIN NAMED PIECE GOODS. E. H. Behrens & Co., Inc., New York, N. Y.
Filed April 17, 1924. Serial No. 195,672. PUBLISHED JUNE 17, 1924.

188,335. PLATINUM, GOLD, AND SILVER AND COMBINATIONS OF THESE METALS AND OTHER PRECIOUS METALS. Katz & Ogush, Inc., New York, N. Y.
Filed April 17, 1924. Serial No. 195,691. PUBLISHED JUNE 17, 1924.

188,336. WORSTED AND WOOLEN TEXTILE FABRICS. Holden-Leonard Company, New York, N. Y.
Filed April 18, 1924. Serial No. 195,745. PUBLISHED JUNE 17, 1924.

188,337. KNITTED GOODS MADE OF SILK, WOOL, COTTON, OR MIXTURES OF SAME. Salta Knitting Mills, Inc., New York, N. Y.
Filed February 25, 1924. Serial No. 192,795. PUBLISHED JUNE 17, 1924.

188,338. CANDY. King Candy Co., Fort Worth, Tex.
Filed February 26, 1924. Serial No. 192,844. PUBLISHED JUNE 17, 1924.

188,339. EMERY-WHEEL DRESSER. B. E. Hedges Co., Inc., Auburn, N. Y.
Filed February 28, 1924. Serial No. 192,973. PUBLISHED JUNE 17, 1924.

188,340. COMPRESSOR AND VACUUM-PUMP VALVES. Sullivan Machinery Company, Boston, Mass., and Chicago, Ill.
Filed March 3, 1924. Serial No. 193,193. PUBLISHED JUNE 17, 1924.

188,341. DRINKING FOUNTAINS, FOUNTAIN HEADS, COMBINATION DRINKING FOUNTAINS, AND ANGLE JET WATER PROJECTORS. The Halsey W. Taylor Company, Warren, Ohio.
Filed March 10, 1924. Serial No. 193,519. PUBLISHED JUNE 17, 1924.

188,342. MALTLESS FLAVORING COMPOUND FOR BEVERAGES. Fritzsche Brothers, Inc., New York, N. Y.
Filed March 11, 1924. Serial No. 193,585. PUBLISHED JUNE 17, 1924.

188,343. TEA AND COFFEE. Jas. H. Forbes Tea & Coffee Co., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,812. PUBLISHED JUNE 17, 1924.

188,344. CANDY. American Candy Co., Milwaukee, Wis.
Filed March 17, 1924. Serial No. 193,882. PUBLISHED JUNE 17, 1924.

188,345. MARSHMALLOW BAR TOPPED WITH THREE ALMONDS AND ENTIRELY MILK CHOCOLATE COATED. C. F. Blanke Tea and Coffee Company, also doing business as C. F. Blanke Candy Co., St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,893. PUBLISHED JUNE 17, 1924.

188,346. CERTAIN GOODS OF COTTON, WOOL, SILK, LINEN, OR COMBINATIONS OF THE SAME. Near East Relief, Washington, D. C.
Filed March 17, 1924. Serial No. 193,944. PUBLISHED JUNE 10, 1924.

188,347. WINDOW WASHER AND MOP. The Bon Ami Company, Inc., Wilmington, Del., and New York, N. Y.
Filed March 18, 1924. Serial No. 193,988. PUBLISHED JUNE 17, 1924.

188,348. PRECIOUS METALS IN THE FORM OF TUBES, PLATES, AND WIRE. Sigmund Cohn, New York, N. Y.
Filed March 18, 1924. Serial No. 193,991. PUBLISHED JUNE 17, 1924.

188,349. AUDIPHONES. Super-Ear Corporation, New York, N. Y.
Filed March 18, 1924. Serial No. 194,028. PUBLISHED JUNE 17, 1924.

188,350. LOCK NUTS. Industrial Lock-Nut Co., Worcester, Mass.
Filed March 19, 1924. Serial No. 194,062. PUBLISHED JUNE 17, 1924.

188,351. FOOT TUBS AND VAPOR-TREATMENT FOOT TUBS. Philip J. Sibley, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,219. PUBLISHED JUNE 17, 1924.

188,352. SHEEP MANURE, POULTRY MANURE, AND CATTLE MANURE. J. Oliver Johnson, Inc., Chicago, Ill.
Filed March 24, 1924. Serial No. 194,355. PUBLISHED JUNE 17, 1924.

188,353. PUMPS. American Liquolift Corporation, New York, N. Y.
Filed March 27, 1924. Serial No. 194,508. PUBLISHED JUNE 17, 1924.

188,354. CANNED, SALTED, SPICED, AND SMOKED FISH. Hanson Fish Products Co., Duluth, Minn.
Filed March 27, 1924. Serial No. 194,536. PUBLISHED JUNE 17, 1924.

188,355. DOLLS. Averill Manufacturing Corporation, New York, N. Y.
Filed March 28, 1924. Serial No. 194,584. PUBLISHED JUNE 17, 1924.

188,356. DOLLS. Averill Manufacturing Corporation, New York, N. Y.
Filed March 28, 1924. Serial No. 194,585. PUBLISHED JUNE 17, 1924.

188,357. FLOATS AND AIR CHAMBERS. Frank Engelhard & Sons, doing business as Hercules Float Works, Springfield, Mass.
Filed April 21, 1924. Serial No. 195,877. PUBLISHED JUNE 17, 1924.

188,358. HAIR NETS. Paristyle Novelty Co. Inc., New York, N. Y.
Filed April 21, 1924. Serial No. 195,905. PUBLISHED JUNE 17, 1924.

188,359. COTTON THREAD. The American Thread Company, New York, N. Y.
Filed April 23, 1924. Serial No. 196,002. PUBLISHED JUNE 17, 1924.

188,360. COTTON FABRICS. Cohn Hall Marx Co., New York, N. Y.
Filed April 23, 1924. Serial No. 196,008. PUBLISHED JUNE 17, 1924.

188,361. CERTAIN NAMED PIECE GOODS. Haas Brothers Fabrics Corporation, New York, N. Y.
Filed April 23, 1924. Serial No. 196,018. PUBLISHED JUNE 17, 1924.

188,362. GINGER ALE. Anheuser-Busch, Inc., St. Louis, Mo.
Filed April 28, 1924. Serial No. 196,223. PUBLISHED JUNE 17, 1924.

188,363. COFFEE. Balzac Bros. & Company, Inc., New York, N. Y.
Filed April 29, 1924. Serial No. 196,285. PUBLISHED JUNE 17, 1924.

188,364. WORSTED AND WOOLEN TEXTILE FABRICS. Holden-Leonard Company, New York, N. Y.
Filed April 29, 1924. Serial No. 196,302. PUBLISHED JUNE 17, 1924.

188,365. WORSTED AND WOOLEN TEXTILE FABRICS. Holden-Leonard Company, New York, N. Y.
Filed April 29, 1924. Serial No. 196,304. PUBLISHED JUNE 17, 1924.

188,366. WORSTED AND WOOLEN TEXTILE FABRICS. Holden-Leonard Company, New York, N. Y.
Filed April 29, 1924. Serial No. 196,306. PUBLISHED JUNE 17, 1924.

188,367. SILK PIECE GOODS. Duplan Silk Corporation, New York, N. Y.
Filed May 1, 1924. Serial No. 196,377. PUBLISHED JUNE 17, 1924.

188,368. WOOLEN PIECE GOODS. Forstmann & Huffmann Company, Passaic, N. J.
Filed May 1, 1924. Serial No. 196,381. PUBLISHED JUNE 17, 1924.

188,369. WOOLEN PIECE GOODS. Madison Woolen Co., Madison, Me.
Filed May 3, 1924. Serial No. 196,533. PUBLISHED JUNE 17, 1924.

188,370. WOOLEN PIECE GOODS. Madison Woolen Co., Madison Me.
Filed May 3, 1924. Serial No. 196,534. PUBLISHED JUNE 17, 1924.

188,371. CANNED VEGETABLES. The Bell Canning Co., Grundy Center and Waterloo, Iowa.
Filed May 5, 1924. Serial No. 196,567. PUBLISHED JUNE 17, 1924.

188,372. COFFEE. Grand Union Tea Company, Brooklyn, N. Y.
Filed May 5, 1924. Serial No. 196,589. PUBLISHED JUNE 17, 1924.

188,373. CANDY. Kibbe Brothers Co., Springfield, Mass.
Filed May 5, 1924. Serial No. 196,598. PUBLISHED JUNE 17, 1924.

188,374. CANNED GRAPEFRUIT. Henry Eaton Walton, doing business as The Poms Co., Sarasota and Clearwater, Fla.
Filed May 5, 1924. Serial No. 196,632. PUBLISHED JUNE 17, 1924.

188,375. BLIND ROLLERS. Haglund & Söners Handels- & Fabriksaktiebolag, Falkoping, Sweden.
Filed May 6, 1924. Serial No. 196,659. PUBLISHED JUNE 17, 1924.

188,376. CANNED FRUITS AND VEGETABLES, SALADS, AND FRUIT PRESERVES. Hillman's, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,572. PUBLISHED JUNE 17, 1924.

188,377. BATHTUBS, SINKS, CLOSET COMBINATIONS, BALL COCKS, CONNECTED WASTES, AND OVERFLOWS. Shinn-Holtz-Lyon Company, Los Angeles, Calif.
Filed July 25, 1923. Serial No. 183,673. PUBLISHED JUNE 17, 1924.

188,378. WIRE STAPLES. PIG TAIL STAPLE COMPANY, San Francisco, Calif.
Filed August 20, 1923. Serial No. 184,754. PUBLISHED JUNE 17, 1924.

188,379. ELECTRIC-CURRENT MODULATORS AND GENERATORS EMPLOYED TO PRODUCE PULSOIDAL ELECTRIC CURRENTS WHICH ARE TRANSFORMED INTO PULSOIDAL LIGHT FOR USE IN DIAGNOSIS AND THERAPY. GEORGE STARR WHITE, Los Angeles, Calif.
Filed September 1, 1923. Serial No. 185,274. PUBLISHED JUNE 17, 1924.

188,380. TABLE VEGETABLES IN THEIR NATURAL STATE. CARFIEL & MORRIS, San Benito, Tex.
Filed September 13, 1923. Serial No. 185,745. PUBLISHED JUNE 10, 1924.

188,381. DESSERT POWDER. ALFRED BIRD AND SONS, LIMITED, Birmingham, England.
Filed October 16, 1923. Serial No. 187,033. PUBLISHED MARCH 18, 1924.

188,382. CANNED SHRIMP. ARNAUD LOPEZ, doing business as Lopez Packing Co., Buras, La., and Biloxi, Miss.
Filed October 17, 1923. Serial No. 187,114. PUBLISHED JUNE 17, 1924.

188,383. COTTON PIECE GOODS. VOSS & STERN, INC., New York, N. Y.
Filed October 27, 1923. Serial No. 187,596. PUBLISHED JUNE 17, 1924.

188,384. LADIES' HATS. ROSEN-SUSSMAN HAT CORPORATION, New York, N. Y.
Filed October 30, 1923. Serial No. 187,695. PUBLISHED MAY 27, 1924.

188,385. SAFETY RAZORS. HENRY B. COHEN, New York, N. Y.
Filed November 16, 1923. Serial No. 188,407. PUBLISHED JUNE 17, 1924.

188,386. COTTON PIECE GOODS. MINOT, HOOPER & Co., New York, N. Y.
Filed November 22, 1923. Serial No. 188,691. PUBLISHED JANUARY 15, 1924.

188,387. COIL FILES, TIRE PUMPS, HACK-SAW BLADES, AND SCREW DRIVERS. RESEARCH CLUB, INC., Chicago, Ill.
Filed November 26, 1923. Serial No. 188,930. PUBLISHED JUNE 17, 1924.

188,388. COTTON PIECE GOODS. YORK MFG. CO., Saco, Me., and Boston, Mass.
Filed November 30, 1923. Serial No. 189,087. PUBLISHED JUNE 17, 1924.

188,389. YEAST. LIBERTY YEAST CORPORATION, Baltimore, Md.
Filed January 25, 1924. Serial No. 191,272. PUBLISHED JUNE 3, 1924.

188,390. WOVEN FABRIC RUGS, RUNNERS, AND CARPET. THE LIGHT HOUSE RUG CO., Chicago, Ill.
Filed January 28, 1924. Serial No. 191,388. PUBLISHED JUNE 17, 1924.

188,391. CERTAIN DENTAL SUPPLIES. MIZZY INC., New York, N. Y.
Filed January 30, 1924. Serial No. 191,498. PUBLISHED JUNE 17, 1924.

188,392. TUBULAR RIVETS. TUBULAR RIVET & STUD COMPANY, Boston, Mass.
Filed February 6, 1924. Serial No. 191,926. PUBLISHED JUNE 17, 1924.

188,393. CANNED COOKED MIXED FOOD. GRACE M. KROYER, doing business as Motor Meals Company, Los Angeles, Calif.
Filed February 12, 1924. Serial No. 192,181. PUBLISHED JUNE 3, 1924.

188,394. SOFT DRINKS. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed February 16, 1924. Serial No. 192,353. PUBLISHED JUNE 17, 1924.

188,395. CIGARETTE AND TOBACCO BOXES INTENDED TO BE CARRIED ON THE PERSON. WILLIAM J. PECKES, doing business as The Wm. J. Peckes Manufacturing Company, Dormont, Pittsburgh, Pa.
Filed February 18, 1924. Serial No. 192,494. PUBLISHED JUNE 17, 1924.

188,396. CERTAIN CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey.
Filed May 17, 1922. Serial No. 163,988. PUBLISHED JUNE 10, 1924.

188,397. OINTMENT TO BE USED FOR SKIN ERUPTIONS. LEE PORTER, Jr., Wichita, Kans.
Filed January 22, 1923. Serial No. 174,913. PUBLISHED JUNE 3, 1924.

188,398. VANISHING CREAM, CUTICLE CREAM, FACE POWDER, TOILET LOTIONS FOR THE FACE AND HANDS, PREPARATIONS FOR THE HAIR, SHAMPOO PREPARATIONS, AND PERFUMES. NUDRU COMPANY, Bayonne, N. J.
Filed February 15, 1923. Serial No. 176,089. PUBLISHED JUNE 3, 1924.

188,399. PERFUMES, TOILET WATERS, AND FACE POWDERS. FIORET, INC., New York, N. Y.
Filed February 16, 1923. Serial No. 176,116. PUBLISHED JUNE 10, 1924.

188,400. PREPARATION IN TABLET FORM FOR RELIEF OF ORAL PAIN. PANALGIC COMPANY, Cold Brook, N. Y.
Filed February 23, 1923. Serial No. 176,500. PUBLISHED JUNE 3, 1924.

188,401. BLEACHING COMPOUND FOR GRANITE, STONE, MARBLE, TILE, AND OTHER STONES. GUSTAF A. NELSON, New York, N. Y.
Filed July 11, 1923. Serial No. 183,081. PUBLISHED JUNE 10, 1924.

188,402. PREPARATION FOR DANDRUFF, A HAIR TONIC, LAXATIVE TABLETS, AND A SALVE FOR EXTERNAL APPLICATION IN THE TREATMENT OF MUSCULAR RHEUMATISM, NEURALGIA, HEADACHE, CROUP, ASTHMA, CATARRH, BRONCHITIS, COLDS, INFLUENZA, GRIPPE, AND HAY FEVER. ELLA ROSE COYNE, doing business as Ucazone Laboratories, Cleveland, Ohio.
Filed August 2, 1923. Serial No. 183,957. PUBLISHED MAY 27, 1924.

188,403. PREPARATION FOR THE PREVENTION AND TREATMENT OF DISEASES OR DISORDERS OF DOMESTIC FOWL. AMERICAN SCIENTIFIC LABORATORIES, INC., Chicago, Ill.
Filed August 16, 1923. Serial No. 184,536. PUBLISHED JUNE 10, 1924.

188,404. SKIN TONIC AND LOTION. JOHN L. BOWERS, doing business as John L. Bowers & Company, Toledo, Ohio.
Filed October 8, 1923. Serial No. 186,691. PUBLISHED MAY 27, 1924.

188,405. LEATHER. MICHIGAN TANNING & EXTRACT COMPANY, Petoskey, Mich.
Filed December 31, 1923. Serial No. 190,305. PUBLISHED JUNE 10, 1924.

188,406. OINTMENT FOR THE RELIEF OF COLDS, HEADACHES, BURNS, BRUISES, CHAPPED HANDS, PILES, SORE THROAT, AND CONGESTED LUNGS. ALBERT BENJ. NEBELSICK, doing business as The Nebbs Ointment Co., Lincoln, Nebr.
Filed January 30, 1924. Serial No. 191,502. PUBLISHED MAY 27, 1924.

188,407. LEATHER. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass.
Filed January 31, 1924. Serial No. 191,544. PUBLISHED JUNE 10, 1924.

188,408. GINGER ALE. DELATOUR BEVERAGE CORPORATION, New York and Long Island City, N. Y.
Filed February 4, 1924. Serial No. 191,755. PUBLISHED MARCH 25, 1924.

188,409. COMPOSITIONS MADE ESSENTIALLY OF CLAY, PULP, AND RESINOUS GUM IN POWDERED FORM FOR MAKING ARTICLES OF MANUFACTURE. WILLIAM H. SCHEEL, New York, N. Y.
Filed February 7, 1924. Serial No. 191,984. PUBLISHED JUNE 10, 1924.

188,410. MEDICINE FOR AIDING IN PREVENTING FOOD FERMENTATION AND HEARTBURN AND IN EXPELLING STOMACH GAS DUE TO EATING HEAVILY. SAVAGE CHEMICAL & RESEARCH LABORATORIES, Seattle, Wash.
Filed February 14, 1924. Serial No. 192,273. PUBLISHED MAY 27, 1924.

188,411. PREPARATIONS FOR CERTAIN NAMED AFFECTIONS. CASEY FOSTER, doing business as Roanoke Medicine Company, Weldon, N. C.
Filed February 19, 1924. Serial No. 192,525. PUBLISHED JUNE 17, 1924.

188,412. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET POWDER, ROUGE, BRILLIANTINE, LOTION FOR THE FACE AND HANDS, AND EAU DE COLOGNE. LECARON FILS, doing business as Gellé Freres, Paris, France.
Filed February 25, 1924. Serial No. 192,772. PUBLISHED JUNE 3, 1924.

188,413. LAUNDRY BLEACHER AND BLUING. GEORGE EDWARD REDOUTE, doing business as American Bleacher Products Co., Detroit, Mich.
Filed February 29, 1924. Serial No. 193,074. PUBLISHED JUNE 17, 1924.

188,414. ROUGE. A. BOURJOIS & CO. INC., New York, N. Y.
Filed March 7, 1924. Serial No. 193,381. PUBLISHED JUNE 17, 1924.

188,415. DENATURED ALCOHOL, PARTICULARLY USED FOR MASSAGE AND BATHING. SCHIEFFELIN & COMPANY, New York, N. Y.
Filed March 14, 1924. Serial No. 193,786. PUBLISHED MAY 27, 1924.

188,416. MEDICINAL PREPARATION FOR THE TREATMENT OF THE LIVER. LEHMAN W. WILLIAMS, doing business as Savannah Medicine Company, Savannah, Ga.
Filed March 15, 1924. Serial No. 193,875. PUBLISHED JUNE 3, 1924.

188,417. CRUSHED AND GROUND OYSTER SHELLS FOR POULTRY AND OTHER USES. TREICHLINGER BROKERAGE CO., St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,971. PUBLISHED MAY 27, 1924.

188,418. FELDSPAR. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa.
Filed March 22, 1924. Serial No. 194,297. PUBLISHED MAY 27, 1924.

188,419. FELDSPAR. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa.
Filed March 22, 1924. Serial No. 194,300. PUBLISHED MAY 27, 1924.

188,420. DIURETIC AND ANTISYPHILITIC MEDICINES. WINTHROP CHEMICAL COMPANY INC., New York, N. Y.
Filed March 22, 1924. Serial No. 194,320. PUBLISHED JUNE 10, 1924.

188,421. SYSTEM AND GENERAL MEDICINAL TONIC. VINCENT BONACCOLTO, doing business as Universal Pharmacal Products Company, New York, N. Y.
Filed March 27, 1924. Serial No. 194,517. PUBLISHED JUNE 10, 1924.

188,422. PREPARATION FOR THE RELIEF OF CHRONIC AND ACUTE NEURITIS. GEORGE F. LEAHY, Syracuse, N. Y.
Filed March 24, 1924. Serial No. 194,357. PUBLISHED JUNE 10, 1924.

188,423. FOOT CREAM. HENRY GLETT, New York, N. Y.
Filed March 27, 1924. Serial No. 194,535. PUBLISHED JUNE 10, 1924.

188,424. COUGH SIRUP. FRANK A. MASELLI, Jeannette, Pa.
Filed March 27, 1924. Serial No. 194,560. PUBLISHED JUNE 10, 1924.

188,425. ROOF VENTILATORS AND CHARCOAL FIRE POTS. BERGER BROS. COMPANY, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,772. PUBLISHED MAY 27, 1924.

188,426. PERFUME. GEORGE BORGFELDT & Co., New York, N. Y.
Filed April 1, 1924. Serial No. 194,780. PUBLISHED JUNE 10, 1924.

188,427. ANTISEPTIC SALVE. ELIZABETH HESS, Oskaloosa, Iowa, assignor of one-half to Art L. Fritch, Ottumwa, Iowa.
Filed April 2, 1924. Serial No. 194,868. PUBLISHED MAY 27, 1924.

188,428. LIQUID PERFUME AND SACHET POWDERS. ALFRED WRIGHT PERFUMER, INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,967. PUBLISHED MAY 27, 1924.

188,429. INJECTOR HEADS AND DEVICES ACCESSORY TO SUCH HEADS, IN LIQUID-FUEL BURNERS FOR HEATING FURNACES. ALADDIN OIL BURNER CORPORATION, Chicago, Ill.
Filed April 4, 1924. Serial No. 194,968. PUBLISHED JUNE 10, 1924.

188,430. TOILET PREPARATIONS—VIZ. ROUGE CREAMS. BERTHA GOULD, Brooklyn, N. Y.
Filed April 4, 1924. Serial No. 194,994. PUBLISHED JUNE 10, 1924.

188,431. LAXATIVE PILLS. JACOB MENDELL, doing business as Supper-Lax Co., Brooklyn, N. Y.
Filed April 4, 1924. Serial No. 195,012. PUBLISHED MAY 27, 1924.

188,432. MEDICINAL TABLETS FOR CONSTIPATION, NAUSEA, INTESTINAL PUTREFACTION, INDIGESTION, AND BILIARY HEADACHES. EARL W. RAHN, Newburgh Heights, Ohio.
Filed April 4, 1924. Serial No. 195,016. PUBLISHED MAY 27, 1924.

188,433. LIP AND FACE ROUGE. F. A. SCHWANNECKE, INC., New York, N. Y.
Filed April 4, 1924. Serial No. 195,021. PUBLISHED MAY 27, 1924.

188,434. FACE POWDER AND ROUGE IN COMPACT FORM. COLGATE & COMPANY, Jersey City, N. J.
Filed April 5, 1924. Serial No. 195,050. PUBLISHED JUNE 3, 1924.

188,435. FACE CREAM. CHESTER W. DEMERS, Derby, Vt.
Filed April 5, 1924. Serial No. 195,054. PUBLISHED JUNE 3, 1924.

188,436. PHARMACEUTICAL PREPARATION, BEING AN ASSOCIATION OF COLLOIDAL IODINE WITH THYROID-GLAND SUBSTANCES FOR IODINE AND THYROID INSUFFICIENCY AND DISORDERS AND DISEASES ARISING FROM IODINE INSUFFICIENCY. THE PHOSPHO-ALBUMEN COMPANY, INC., Newburgh, N. Y.
Filed April 7, 1924. Serial No. 195,125. PUBLISHED JUNE 3, 1924.

188,437. TREATED RAW FIBERS FOR UPHOLSTERY FILLING. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,214. PUBLISHED MAY 27, 1924.

188,438. TREATED RAW FIBERS FOR UPHOLSTERY FILLING. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,218. PUBLISHED MAY 27, 1924.

188,439. TREATED RAW FIBERS FOR UPHOLSTERY FILLING. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,220. PUBLISHED MAY 27, 1924.

188,440. MEDICAMENT FOR FEMALE DISORDERS. NIXON, STUART & BARKER, Peoria, Ill.
Filed April 9, 1924. Serial No. 195,236. PUBLISHED JUNE 3, 1924.

188,441. LIQUID INSECTICIDE, RODENT EXTERMINATOR, BIRD SPRAY, DISINFECTANT, AND HEAD LOTION. MAURICE SULTZBACH, doing business as Sulco Company, West Haven, Conn.
Filed April 9, 1924. Serial No. 195,244. PUBLISHED JUNE 3, 1924.

188,442. COMPOUND FOR THE TREATMENT OF RHEUMATISM, INFLAMMATION, AS A BLOOD PURIFIER, AND GENERAL SYSTEM TONIC. FRANK J. WELK, Royal Oak, Mich.
Filed April 9, 1924. Serial No. 195,249. PUBLISHED JUNE 3, 1924.

188,443. ROUGES AND LIP STICKS. COTY, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,497. PUBLISHED JUNE 10, 1924.

188,444. ROUGES AND LIP STICKS. COTY, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,498. PUBLISHED JUNE 10, 1924.

188,445. HAIR TONIC AND DANDRUFF REMEDY. FRANK HESS, doing business as Hess Hair Milk Laboratories, St. Paul, Minn.
Filed April 14, 1924. Serial No. 195,520. PUBLISHED JUNE 10, 1924.

188,446. MEDICINE FOR INFLAMMATORY, CHRONIC, AND ACUTE RHEUMATISM. URSUS MEDICAL COMPANY, Philadelphia, Pa.
Filed April 14, 1924. Serial No. 195,554. PUBLISHED JUNE 10, 1924.

188,447. MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM. AHAMBER COMPANY, Philadelphia, Pa.
Filed April 15, 1924. Serial No. 195,563. PUBLISHED JUNE 10, 1924.

188,448. ROUGES. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed April 15, 1924. Serial No. 195,574. PUBLISHED JUNE 10, 1924.

188,449. BLUING. GAR-MAR MANUFACTURING CO., York, Pa.
Filed April 15, 1924. Serial No. 195,577. PUBLISHED JUNE 10, 1924.

188,450. TALCUM POWDER. LEHN AND FINK, INC., New York, N. Y.
Filed April 15, 1924. Serial No. 195,581. PUBLISHED JUNE 10, 1924.

188,451. LIVESTOCK POWDER AND ANIMAL FOOD FOR TREATMENT OF MOUTH AND HOOF DISEASES. ERNST HUGEL, Washington, D. C.
Filed April 17, 1924. Serial No. 195,688. PUBLISHED JUNE 10, 1924.

188,452. HAIR DYE. INECTO, INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,690. PUBLISHED JUNE 10, 1924.

188,453. DRY HERB COMPOUND CONSTITUTING A LAXATIVE MEDICINE. BETA-SIGMA-HERBS CO., New York, N. Y.
Filed April 18, 1924. Serial No. 195,732. PUBLISHED JUNE 10, 1924.

188,454. FACE POWDER IN CAKE FORM. COMFORT MANUFACTURING CO., Chicago, Ill.
Filed April 18, 1924. Serial No. 195,739. PUBLISHED JUNE 10, 1924.

188,455. SOLUTION FOR TREATING THE MOUTH. THE CONSERVATION UTILITIES COMPANY, Toledo, Ohio.
Filed April 18, 1924. Serial No. 195,741. PUBLISHED JUNE 10, 1924.

188,456. ESSENTIAL OILS AND AROMATIC CHEMICAL PREPARATIONS USED IN THE MANUFACTURE OF PERFUMES AND FLAVORINGS. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed March 11, 1924. Serial No. 193,584. PUBLISHED JUNE 3, 1924.

188,457. TOILET PREPARATIONS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,332. PUBLISHED JUNE 10, 1924.

188,458. CERTAIN TOILET PREPARATIONS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,099. PUBLISHED JUNE 10, 1924.

188,459. PREPARATION FOR BLOOD AND LIVER DISEASES AND RHEUMATISM. MICHAEL O'R. HUGHES, Denver, Colo.
Filed February 29, 1924. Serial No. 193,044. PUBLISHED JUNE 10, 1924.

188,460. TALCUM POWDER, COUGH SIRUP, AND LAXATIVE TABLETS. FRED A. WISH, INCORPORATED, New York, N. Y.
Filed February 28, 1924. Serial No. 193,013. PUBLISHED JUNE 3, 1924.

188,461. MEDICINAL MINERAL WATER. PURGO WATER COMPANY, Martinsville, Ind.
Filed February 7, 1924. Serial No. 191,950. PUBLISHED JUNE 10, 1924.

188,462. PREPARATIONS TO STIMULATE THE GROWTH OF THE HAIR AND TO REMOVE DANDRUFF. GEORGE FRANCIS DORAN, doing business as Selboral Laboratories, Worcester, Mass.
Filed January 16, 1924. Serial No. 190,874. PUBLISHED JUNE 3, 1924.

188,463. HAIR TONIC. THE GRAYNIX COMPANY, Tampa, Fla.
Filed April 24, 1924. Serial No. 196,058. PUBLISHED JUNE 17, 1924.

188,464. HAIR DRESSER OR TONIC. WEEDEN & KREMP, Chicago, Ill.
Filed January 9, 1924. Serial No. 190,622. PUBLISHED JUNE 3, 1924.

188,465. ANTISEPTIC, GERMICIDE, DEODORANT, AND DISINFECTANT. EUGENE W. HARRINGTON, doing business as Kojene Products Co., Buffalo, N. Y.
Filed April 25, 1924. Serial No. 196,112. PUBLISHED JUNE 17, 1924.

188,466. PREPARATION IN PASTE FORM FOR DRESSING THE HAIR. ANNA COHAN, doing business as De Behr Preparations, Joliet, Ill.
Filed April 25, 1924. Serial No. 196,103. PUBLISHED JUNE 17, 1924.

188,467. MEDICINE FOR COLDS, CATARRH, AND TUBERCULOSIS. SAMUEL C. TATE, doing business as The Mactahu Co., Caroleen, N. C.
Filed April 24, 1924. Serial No. 196,083. PUBLISHED JUNE 17, 1924.

188,468. TOILET PREPARATIONS. WILLIAM J. SCOTT, doing business as Scott's Laboratories, Chicago, Ill.
Filed April 24, 1924. Serial No. 196,078. PUBLISHED JUNE 17, 1924.

188,469. FLUX FOR WELDING METALS. CHEMICAL TREATMENT COMPANY, New York, N. Y.
Filed April 24, 1924. Serial No. 196,050. PUBLISHED JUNE 17, 1924.

188,470. CERTAIN TOILET PREPARATIONS. J. & E. ATKINSON, LIMITED, London, England.
Filed April 24, 1924. Serial No. 196,047. PUBLISHED JUNE 17, 1924.

188,471. CERTAIN TOILET PREPARATIONS. J. & E. ATKINSON, LIMITED, London, England.
Filed April 24, 1924. Serial No. 196,046. PUBLISHED JUNE 17, 1924.

188,472. CERTAIN TOILET PREPARATIONS. HARRY KAYE, doing business as Harry Kaye, Perfumer, New York, N. Y.
Filed April 23, 1924. Serial No. 196,023. PUBLISHED JUNE 10, 1924.

188,473. ANTHELMINTICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed April 23, 1924. Serial No. 196,012. PUBLISHED JUNE 10, 1924.

188,474. NAIL-POLISHING POWDER. HUGH A. CLOTWORTHY, New York, N. Y.
Filed April 23, 1924. Serial No. 196,006. PUBLISHED JUNE 10, 1924.

188,475. PREPARATIONS FOR THE TREATMENT OF TUBERCULOSIS AND OTHER INFECTIOUS DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed April 22, 1924. Serial No. 195,978. PUBLISHED JUNE 10, 1924.

188,476. CERTAIN DRY GOODS. THE FARLEY HARVEY COMPANY, Boston, Mass.
Filed July 14, 1923. Serial No. 183,206. PUBLISHED OCTOBER 16, 1923.

188,477. CERTAIN DRY GOODS. THE FARLEY HARVEY COMPANY, Boston, Mass.
Filed July 14, 1923. Serial No. 183,203. PUBLISHED OCTOBER 16, 1923.

188,478. CANNED PORK AND BEANS. MARTIN WAGNER COMPANY, East Brooklyn, Baltimore, Md.
Filed June 9, 1923. Serial No. 181,794. PUBLISHED JUNE 17, 1924.

188,479. ELECTROTHERAPEUTIC APPARATUS USED IN CONDUCTING ELECTRICITY TO OR AWAY FROM THE BODY. EDWARD J. MURRAY, Chicago, Ill.
Filed April 12, 1923. Serial No. 179,051. PUBLISHED JUNE 17, 1924.

188,480. WRENCHES. GIRARD WRENCH MANUFACTURING COMPANY, Girard, Pa.
Filed March 31, 1923. Serial No. 178,384. PUBLISHED JUNE 17, 1924.

188,481. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA E. L., Helsinki, Finland.
Filed March 23, 1923. Serial No. 177,927. PUBLISHED JUNE 17, 1924.

188,482. OLIVE OIL. JOHN E. CRISTANI, New York, N. Y.
Filed March 13, 1923. Serial No. 177,365. PUBLISHED JUNE 17, 1924.

188,483. STEAM, WATER, AND GAS PIPE FITTINGS AND VALVES. GRINNELL COMPANY, INC., Providence, R. I.
Filed February 26, 1923. Serial No. 176,622. PUBLISHED JUNE 17, 1924.

188,484. WRENCHES. GIRARD WRENCH MANUFACTURING COMPANY, Girard, Pa.
Filed February 26, 1923. Serial No. 176,616. PUBLISHED JUNE 17, 1924.

188,485. TIME DATERS AND TIME-DATING MACHINES. AUTOMATIC ELECTRIC MACHINE CO., INC., Oakland, Calif.
Filed February 14, 1923. Serial No. 176,011. PUBLISHED JUNE 17, 1924.

188,486. CANDY TABLETS, CHEWING-GUM MINTS, AND CANDY MINTS. IRVING LEVY, doing business as Cremint Company, New York, N. Y.
Filed January 31, 1923. Serial No. 175,359. PUBLISHED JUNE 17, 1924.

188,487. FOOD-FLAVORING COMPOUND OF VANILLA. AVECO PRODUCTS CO. INC., Chicago, Ill.
Filed December 15, 1922. Serial No. 173,343. PUBLISHED JUNE 17, 1924.

188,488. BOTTLE-WASHING MACHINES. CHARLES HAMANN, Port Chester, N. Y.
Filed October 27, 1922. Serial No. 171,271. PUBLISHED JUNE 17, 1924.

188,489. FOOD PRODUCTS—NAMELY, COFFEE, FOOD-FLAVORING EXTRACTS, SPICES, COCOA, PEANUT BUTTER, OLIVE OIL, EVAPORATED AND CONDENSED MILK, MAYONNAISE DRESSING, AND MAPLE SIRUP. JAMES VAN DYK CO., New York, N. Y.
Filed August 21, 1922. Serial No. 168,565. PUBLISHED SEPTEMBER 25, 1923.

188,490. THREADS. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo.
Filed February 6, 1922. Serial No. 158,938. PUBLISHED JUNE 17, 1924.

188,491. CANDIES. C. EDWIN GHEENS, doing business as Bradas & Gheens, Louisville, Ky.
Filed November 22, 1921. Serial No. 155,749. PUBLISHED AUGUST 15, 1922.

188,492. CERTAIN CIGARETTE HOLDERS. APEX SPECIALTIES CORPORATION, New York, N. Y.
Filed October 5, 1921. Serial No. 153,754. PUBLISHED JUNE 17, 1924.

188,493. PACKED OLIVE OIL. G. L. P. CO. INC., Brooklyn, N. Y.
Filed May 18, 1921. Serial No. 147,874. PUBLISHED JUNE 17, 1924.

188,494. CHOCOLATES AND CANDIES. WILKES-BARRE CHOC. CO., Wilkes-Barre, Pa.
Filed January 27, 1921. Serial No. 142,863. PUBLISHED FEBRUARY 27, 1923.

188,495. CANDY. CURTISS CANDY CO., Chicago, Ill.
Filed April 7, 1919. Serial No. 117,219. PUBLISHED JULY 19, 1921.

188,496. MEDICATED CHEWING GUM. T. ANDREW BUCKLEY, doing business as Oxford Laboratory, New York, N. Y.
Filed March 17, 1924. Serial No. 193,895. PUBLISHED JUNE 17, 1924.

188,497. DRESSED SKINS. NATT WEINSTOCK, New York, N. Y.
Filed March 18, 1924. Serial No. 194,037. PUBLISHED JUNE 10, 1924.

188,498. CERTAIN MEDICINAL AND PHARMACEUTICAL PREPARATIONS. DAVID THALL, Manchester, N. H.
Filed March 20, 1924. Serial No. 194,141. PUBLISHED JUNE 17, 1924.

188,496. ECZEMA PREPARATIONS. FREDERICK GRAHAM, doing business as Paramount Products Co., Denver, Colo.
Filed March 22, 1924. Serial No. 194,272. PUBLISHED JUNE 3, 1924.

188,500. SILICA, KNOWN COMMERCIALLY AS FLINT, QUARTZ, SILEX, AND MOLD MASH. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa.
Filed March 22, 1924. Serial No. 194,289. PUBLISHED MAY 27, 1924.

188,501. SILICA, KNOWN COMMERCIALLY AS FLINT, QUARTZ, SILEX, AND MOLD MASH. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa.
Filed March 22, 1924. Serial No. 194,296. PUBLISHED MAY 27, 1924.

188,502. CAPSULES CONTAINING MEDICINE FOR WORMS IN SWINE. PETERS HOG SERUM COMPANY, Indianapolis, Ind.
Filed March 24, 1924. Serial No. 194,372. PUBLISHED JUNE 17, 1924.

188,503. FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, AND SACHET POWDERS. HARRY KAYE, doing business as Harry Kaye, Perfumer, New York, N. Y.
Filed April 1, 1924. Serial No. 194,803. PUBLISHED MAY 27, 1924.

188,504. PERFUME. LENTHERIC, INC., New York, N. Y.
Filed April 1, 1924. Serial No. 194,806. PUBLISHED MAY 27, 1924.

188,505. DEODORANT. TOMNEL ET FILS, Cold Spring Harbor, N. Y.
Filed April 1, 1924. Serial No. 194,825. PUBLISHED MAY 27, 1924.

188,506. MEDICINAL PREPARATION. TONOCRINE CO. INC., New York, N. Y.
Filed April 1, 1924. Serial No. 194,826. PUBLISHED MAY 27, 1924.

188,507. INSECTICIDES. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed April 1, 1924. Serial No. 194,827. PUBLISHED MAY 27, 1924.

188,508. PREPARATION FOR AUTOINTOXICATION AND HIGH BLOOD PRESSURE. OTTO F. LOUIS, Bay City, Mich.
Filed April 2, 1924. Serial No. 194,875. PUBLISHED JUNE 10, 1924.

188,509. VEGETABLE SYSTEM TONIC. THE VENDOL COMPANY, Baltimore, Md.
Filed April 4, 1924. Serial No. 195,029. PUBLISHED JUNE 10, 1924.

188,510. MEDICINAL PREPARATION IN CAPSULE FORM FOR TREATMENT OF BOILS AND CARBUNCLES. JAS. W. ROBERTSON, doing business as The Boil Remedy Company, Richmond, Va.
Filed April 19, 1924. Serial No. 195,837. PUBLISHED JUNE 10, 1924.

188,511. INSECTICIDES. RAFAEL GRANADOS, doing business as Rafael Granados & Co., Sonora, Ariz.
Filed April 22, 1924. Serial No. 195,957. PUBLISHED JUNE 10, 1924.

188,512. ANTISEPTIC GERMICIDE, DEODORANT, AND DISINFECTANT. EUGENE W. HARRINGTON, doing business as Kojene Products Co., Buffalo, N. Y.
Filed April 22, 1924. Serial No. 195,960. PUBLISHED JUNE 10, 1924.

188,513. SALVE TO BE APPLIED EXTERNALLY FOR THE TREATMENT OF BOILS, SORES, AND CUTS, AND FOR DRAWING OUT SPLINTERS, BRINGING FESTERING SORES TO A HEAD, AND FOR AVERTING RUNAROUNDS. LEILA L. KLEINSCHMIDT, doing business as Pulmout Salve Co., Corder, Mo.
Filed April 22, 1924. Serial No. 195,964. PUBLISHED JUNE 10, 1924.

188,514. PREPARATIONS FOR THE TREATMENT OF SPIROCHETAL AND OTHER INFECTIOUS DISEASES. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed April 22, 1924. Serial No. 195,976. PUBLISHED JUNE 10, 1924.

188,515. PREPARATIONS FOR THE TREATMENT OF SPIROCHETAL AND OTHER INFECTIOUS DISEASES AND AS A DIURETIC. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed April 22, 1924. Serial No. 195,977. PUBLISHED JUNE 10, 1924.

188,516. WHEAT FLOUR. C. W. BRISTER & SON, Auburn, N. Y.
Filed October 17, 1922. Serial No. 170,805. PUBLISHED JUNE 17, 1924.

188,517. GOAT CURED AND PICKLED HORSE MEAT, HORSE-MEAT SAUSAGES, HORSE-MEAT BOLOGNA, AND HORSE MEAT IN CANS. PHILIP VALK, New York, N. Y.
Filed February 23, 1923. Serial No. 176,515. PUBLISHED JUNE 17, 1924.

188,518. BUTTER. DAVIS-CLEAVER PRODUCE COMPANY, Quincy, Ill.
Filed May 19, 1923. Serial No. 180,845. PUBLISHED DECEMBER 11, 1923.

188,519. FLOUR. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn.
Filed July 14, 1923. Serial No. 183,224. PUBLISHED JUNE 10, 1924.

188,520. CAKES AND DOUGHNUTS. WARD BAKING COMPANY, New York, N. Y.
Filed August 30, 1923. Serial No. 185,194. PUBLISHED JUNE 17, 1924.

188,521. BREAD. THE NEW SYSTEM BAKING COMPANY, Columbus, Ohio.
Filed December 5, 1923. Serial No. 189,265. PUBLISHED JUNE 17, 1924.

188,522. COAL. GEO. E. DUNN COAL CO. INC., New York, N. Y.
Filed February 26, 1924. Serial No. 192,820. PUBLISHED MAY 6, 1924.

188,523. BREAD, ROLLS, AND CAKES. JESSE L. SKELTON, doing business as Skelton's Bakery, Johnson City, Tenn.
Filed March 27, 1924. Serial No. 194,572. PUBLISHED JUNE 10, 1924.

188,524. EGGS, BUTTER, AND CHEESE. ERNEST LEBERS, New York, N. Y.
Filed March 31, 1924. Serial No. 194,718. PUBLISHED JUNE 17, 1924.

188,525. BREAD AND CAKE. THE CORBY BAKING COMPANY, INC., Washington, D. C.
Filed April 12, 1924. Serial No. 195,436. PUBLISHED JUNE 10, 1924.

188,526. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed April 18, 1924. Serial No. 195,787. PUBLISHED JUNE 17, 1924.

188,527. BREAD. OAKLAND BAKING CO., Pontiac, Mich.
Filed April 19, 1924. Serial No. 195,829. PUBLISHED JUNE 10, 1924.

188,528. WHEAT FLOUR. CITY MILLS CO., Columbus, Ga.
Filed April 30, 1924. Serial No. 196,332. PUBLISHED JUNE 17, 1924.

188,529. SELF-RISING WHEAT FLOUR. TRENTON MILLING COMPANY, Trenton, Ill.
Filed May 1, 1924. Serial No. 196,413. PUBLISHED JUNE 17, 1924.

188,530. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., doing business as The Wilson Flour Mills, Wilson, Kans.
Filed May 2, 1924. Serial No. 196,438. PUBLISHED JUNE 17, 1924.

188,531. BREAD. LIVINGSTON BAKING COMPANY, Chicago, Ill.
Filed May 3, 1924. Serial No. 196,530. PUBLISHED JUNE 7, 1924.

188,532. CHEESE. ANTONIO CORRAO, doing business as Italian Cheese Co., New York, N. Y.
Filed May 10, 1924. Serial No. 196,852. PUBLISHED JUNE 17, 1924.

188,533. GARMENT HANGERS. JOSEPH A. SHOEMAKER, Bennington, Vt.
Filed January 7, 1922. Serial No. 157,640. PUBLISHED MARCH 27, 1923.

188,534. DEODORIZING MATERIAL. THE BARNEBEY-CHENEY ENGINEERING COMPANY, Columbus, Ohio.
Filed June 27, 1922. Serial No. 166,128. PUBLISHED JUNE 3, 1924.

188,535. SKIN CREAM. HENRIETTE LEYS, Paris, France.
Filed August 22, 1922. Serial No. 168,582. PUBLISHED NOVEMBER 13, 1923.

188,536. MEDICINAL PREPARATION FOR THE TREATMENT OF SYPHILIS AND OTHER DISEASES OF THE BLOOD. BARNES AND BARNES, doing business as Barnes Medicine Co., Shreveport, La.
Filed December 11, 1922. Serial No. 173,162. PUBLISHED JUNE 10, 1924.

188,537. COAL. CHICAGO COAL MERCHANTS ASSOCIATION, Chicago, Ill.
Filed January 19, 1923. Serial No. 174,766. PUBLISHED MAY 27, 1924.

188,538. DENTAL PREPARATION FOR PROTECTING DENTAL PULP AND FILLING ROOT CANALS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed February 24, 1923. Serial No. 176,558. PUBLISHED JUNE 10, 1924.

188,539. CANNED FISH. JOHN BRAADLAND, LTD., also doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass.
Filed March 17, 1923. Serial No. 177,585. PUBLISHED JUNE 24, 1924.

188,540. MACHINES FOR PRODUCING GAS FROM GASOLINE. MOTO-GAS MACHINE CO., Minneapolis, Minn.
Filed April 18, 1923. Serial No. 179,309. PUBLISHED JUNE 10, 1924.

188,541. CERTAIN PHARMACEUTICAL PREPARATIONS OR REAGENTS AND MEDICATED PLASTERS. AUTHORIZED WASSERMANN MEDICAL CORPORATION, New York, N. Y.
Filed June 6, 1923. Serial No. 181,584. PUBLISHED JUNE 10, 1924.

188,542. DYED RABBIT SKINS. JACOB KESTENBAUM, doing business as Kestenbaum Bros., New York, N. Y.
Filed June 14, 1923. Serial No. 181,998. PUBLISHED JUNE 10, 1924.

188,543. HEADACHE POWDERS. C. M. REMEDY CO., Durham, N. C.
Filed July 26, 1923. Serial No. 183,692. PUBLISHED JANUARY 1, 1924.

188,544. COAL. PEABODY COAL COMPANY, Chicago, Ill.
Filed September 17, 1923. Serial No. 185,876. PUBLISHED FEBRUARY 19, 1924.

188,545. SELF-RISING BUCKWHEAT FLOUR. HOWARD S. SMITH, doing business as Warsaw Milling and Grain Company, Warsaw, Ind.
Filed September 22, 1923. Serial No. 186,088. PUBLISHED JANUARY 29, 1924.

188,546. MEDICINAL PREPARATION FOR THE TREATMENT OF THE BLOOD. THE SWIFT SPECIFIC CO., Atlanta, Ga.
Filed October 6, 1923. Serial No. 186,681. PUBLISHED JUNE 3, 1924.

188,547. PREPARATION FOR THE TREATMENT OF SORE EYES. PAUL GANETOPOULOS, Chicago, Ill.
Filed October 15, 1923. Serial No. 186,988. PUBLISHED JUNE 3, 1924.

188,548. ANTISPASMODICS. SCHWEIZ. SERUM- & IMPFINSTITUT BERN, Berne, Switzerland.
Filed November 27, 1923. Serial No. 188,973. PUBLISHED JUNE 10, 1924.

188,549. SWINE MEDICINE. OLIVER O. PERSON, doing business as Mixed Infection Oil Company, Wisner, Nebr.
Filed April 18, 1924. Serial No. 195,759. PUBLISHED JUNE 10, 1924.

188,550. CERTAIN TOILET PREPARATIONS. M. ROUSSEL, doing business as Parfumerie Silka, Paris, France.
Filed April 18, 1924. Serial No. 195,775. PUBLISHED JUNE 10, 1924.

188,551. PILE SALVE. JOHN C. BARROWS, Washington, D. C.
Filed April 19, 1924. Serial No. 195,797. PUBLISHED JUNE 10, 1924.

188,552. EYE LOTION. UNIVERSAL REMEDIES CO., San Francisco, Calif.
Filed April 22, 1924. Serial No. 195,995. PUBLISHED JUNE 10, 1924.

188,553. POULTRY FEED OF ALL KINDS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed May 2, 1924. Serial No. 196,477. PUBLISHED JUNE 17, 1924.

188,554. EGGS AND CHEESE. BREDAN CREAMERY, INC., Denver, Colo.
Filed May 5, 1924. Serial No. 196,573. PUBLISHED JUNE 17, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

188,555. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES TIRE COMPANY, New York, N. Y. Filed Aug. 1, 1923. Serial No. 183,952.

B TRUCK S

Particular description of goods.—Rubber Tires.
Claims use since July 10, 1923.

188,556. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE NATIONAL ORANGE BEVERAGE COMPANY, Washington, D. C. Filed July 27, 1923. Serial No. 183,756.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since June 1, 1923.

188,557. (CLASS 12. CONSTRUCTION MATERIALS.) BAGDAD LAND & LUMBER COMPANY, Bagdad, Fla. Filed June 24, 1924. Serial No. 199,031.

BAGDAD

Particular description of goods.—Lumber.
Claims use since Jan. 1, 1923.

188,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENTON ICE CREAM & BOTTLING CO., Benton, Ill. Filed May 28, 1924. Serial No. 197,697.

PURITY

Particular description of goods.—Ice Cream and Milk.
Claims use since June 1, 1921.

188,559. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUMMINGS CORPORATION, Camden, N. J., and Philadelphia, Pa. Filed May 6, 1924. Serial No. 196,652.



Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

188,560. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE OWEN CHINA COMPANY, Minerva, Ohio. Filed Jan. 21, 1924. Serial No. 191,087.



OWEN CHINA
PLYMOUTH

Particular description of goods.—Chinaware.
Claims use since July 1, 1923.

188,561. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 14, 1924. Serial No. 195,528.

DOUBLE TESTED

Particular description of goods.—Varnish; Dry, Paste, and Ready-Mixed Paints; and Finishes.
Claims use since Jan. 12, 1922.

188,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPOONER INC., New York, N. Y. Filed Mar. 26, 1924. Serial No. 194,490.

"Hindoo-Brown"

Particular description of goods.—Face Powders.
Claims use since May, 1922.

188,563. (CLASS 12. CONSTRUCTION MATERIALS.) PLASTIK PRODUCTS COMPANY, Minneapolis, Minn. Filed Jan. 23, 1923. Serial No. 174,975.

PLASTIK

Particular description of goods.—Stucco.
Claims use since Oct. 6, 1921.

188,564. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 24, 1921. Serial No. 154,501.

Anthracyanine

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about Feb. 23, 1904.

188,565. (CLASS 12. CONSTRUCTION MATERIALS.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed May 26, 1923. Serial No. 181,162.

COPPERCLAD

Particular description of goods.—Copper-Coated Shingles.
Claims use since Apr. 11, 1923.

188,566. (CLASS 15. OILS AND GREASES.) W. C. MOOR, doing business as W. C. Moor Company, Fort Worth, Tex. Filed June 4, 1923. Serial No. 181,534.

NO-MOOR-CHATTER

Particular description of goods.—A Lubricant.
Claims use since Jan. 1, 1923.

188,567. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN W. SHAW, Robbinsdale, Minn. Filed July 13, 1923. Serial No. 183,167.

Karglos

Particular description of goods.—A Polisher and Refinisher to be Used on Automobiles.
Claims use since May 1, 1923.

188,568. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEADS ALL MFG. CO., Brooklyn, N. Y. Filed July 14, 1923. Serial No. 183,218.



The lining on the drawing represents the colors red and yellow.
Particular description of goods.—Liquid Polish for Painted, Lacquered, and Veneered Surfaces.
Claims use since June 16, 1923.

188,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. G. WISE FRUIT CHOCOLATE COMPANY, Oakland, Calif. Filed Oct. 18, 1923. Serial No. 187,182.

CALIFORNIA SPECIAL

Particular description of goods.—Fruit Candy, Chocolate Coated.
Claims use since June 15, 1923.

188,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAL. BLATZ JR. CANDY CO., Milwaukee, Wis. Filed Feb. 2, 1924. Serial No. 191,666.

DURN GOOD

Particular description of goods.—Candy.
Claims use since November, 1922.

188,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex. Filed Feb. 2, 1924. Serial No. 191,689.

GLYCO-PRUNI

Particular description of goods.—Cough Sirup.
Claims use since 1912.

188,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUSSIAN FOOD PRODUCTS COMPANY, INC., New York, N. Y. Filed May 14, 1924. Serial No. 197,050.

OKA RIVER

Particular description of goods.—Canned Caviar.
Claims use since Feb. 1, 1924.

188,573. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD V. HARTFORD, INC., Jersey City, N. J. Filed June 6, 1924. Serial No. 198,183.

Hartford

Particular description of goods.—Antivibration Devices or Shock Absorbers or Spring Controllers.
Claims use since June 15, 1904.

TRADE-MARK REGISTRATIONS RENEWED

24,176. CALIFORNIA FRUITS. Registered February 6, 1894. THE CLAREMONT CALIFORNIA FRUIT GROWERS ASSOC., Claremont, Calif. Renewed February 6, 1924, to Indian Hill Citrus Association, North Pomona, Calif., a Corporation of California, assignee.

24,184. A HAIR DRESSING. Registered February 6, 1894. SYLVAN TOILET CO. Renewed February 6, 1924, to Albert F. Wood, Detroit, Mich., assignee.

25,036. WATCH MOVEMENTS AND WATCHCASES. Registered July 24, 1894. LOUIS BRANDT & FRÈRE. Renewed July 24, 1924, to Societe Anonyme Louis Brandt & Frere Omega Watch Co., Bienne, Switzerland, successor.

25,037. POCKETKNIVES. Registered July 24, 1894. SCHMACHTENBERG BROS. Renewed July 24, 1924, to Schmachtenberg Bros. Inc., New York, N. Y., successors.

25,141. VARNISH FOR WOOD FLOORS. Registered August 14, 1894. BERRY BROTHERS, LIMITED. Renewed August 14, 1924, to Berry Brothers, Detroit, Mich., a Corporation of Michigan, assignee.

25,261. CERTAIN NAMED DRESS GOODS AND LININGS. Registered September 25, 1894. CATLIN & CO., New York, N. Y. Renewed September 25, 1924.

25,305. CERTAIN NAMED HARDWARE. Registered October 2, 1894. MARSHALL-WELLS HARDWARE COMPANY. Renewed October 2, 1924, to Marshall-Wells Company, Duluth, Minn., a Corporation of New Jersey, successor.

25,425. CURED MEATS. Registered October 30, 1894. THE JOSEPH R. PEEBLES' SONS CO., Cincinnati, Ohio. Renewed October 30, 1924.

25,436. CERTAIN NAMED IRON, STEEL, AND LEAD MANUFACTURES. Registered October 30, 1894. RYLANDS BROTHERS, LIMITED, Warrington, England. Renewed October 30, 1924.

25,508. CERTAIN NAMED METAL ARTICLES. Registered November 13, 1894. THOMAS CARLYLE and JOHN MARK CARLYLE. Renewed November 13, 1924, to Buttons Limited, Birmingham, England, assignee.

25,626. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,632. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,633. SPOOL COTTON. Registered December 11, 1894. THE WILLIMANTIC LINEN COMPANY, Hartford, Conn. Renewed December 11, 1924, to The American Thread Company, New York, N. Y., a Corporation of New Jersey, assignee.

25,697. BAR IRON. Registered December 18, 1894. SHADBOLT & BOYD IRON CO., Milwaukee, Wis., a Corporation of Wisconsin. Renewed December 18, 1924.

25,802. CERTAIN NAMED AGRICULTURAL IMPLEMENTS. Registered January 1, 1895. THE CUTAWAY HARROW COMPANY, Higganum, Conn., a Corporation of Connecticut. Renewed January 1, 1925.

25,852. CHROME TANNAGE LIQUOR. Registered January 8, 1895. THE MARTIN DENNIS CHROME TANNAGE CO. Renewed January 8, 1925, to The Martin Dennis Co., Newark, N. J., successor.

25,860. PAPER BAGS. Registered January 15, 1895. UNION BAG & PAPER CO., Chicago, Ill. Renewed January 15, 1925, to Union Bag & Paper Corporation, Jersey City, N. J., a Corporation of New Jersey, assignee.

25,895. MANUFACTURED AND PREPARED DRUGS AND CHEMICALS. Registered January 22, 1895. THOMAS TYRER & CO. Renewed January 22, 1925, to Thomas Tyrer & Company Limited, Stratford and London, England, assignee.

25,913. WOOL GOODS, INCLUDING SHAWLS, APRONS, HORSE CLOTHING, AND SADDLERS' GOODS. Registered January 22, 1895. J. J. & W. WILSON, LIMITED, Kendal, England. Renewed January 22, 1925.

25,939. MEDICINES FOR DISEASES OF THE STOMACH AND BOWELS. Registered January 29, 1895. ORATOR F. WOODWARD. Renewed January 29, 1925, to Kemp & Lane, Inc., Le Roy, N. Y., assignee.

25,955. VALVES AND HYDRANTS. Registered January 29, 1895. THE LUDLOW VALVE MANUFATURING COMPANY, Troy, N. Y. Renewed January 29, 1925.

LABELS

REGISTERED AUGUST 26, 1924.

27,754.—*Title:* JOYOUSLY HARNESSED WITH A POWER FROM THE DEEP. For Cod-Liver-Oil Compound. ANDREW BERKHALL, Lakewood, Ohio. Published July 10, 1924.

27,755.—*Title:* SUN-RIPE. For Canned Olives. CALIFORNIA OLIVE GROWERS, INC., Fresno, Calif. Published March 7, 1924.

27,756.—*Title:* VICTOR. For Cantaloupes. THE EAGLE PACKING CO., Los Angeles, Calif. Published May 10, 1924.

27,757.—*Title:* BOB O NET. For a Hair-Net Envelope. THE B. FRANKEL CO., INC., New York, N. Y. Published April 18, 1924.

27,758.—*Title:* MONTANA SPORT. For Cigars. CHARLES GARNIER, doing business as Garnier Cigar Company, Livingston, Mont. Published April 15, 1924.

27,759.—*Title:* JIFFY. For Liquid Polish. JOHN HARRIS GOLDSTAUB, Portland, Oreg. Published July 11, 1924.

27,760.—*Title:* BLACK VELVET METAL POLISH. For Metal Polishes. THE GRADY MFG. CO., Long Island City, N. Y. Published July 21, 1924.

27,761.—*Title:* MASTER. For Motor Oils and Greases. WILLIAM L. HAGENBAUGH, doing business as Master Lubricants Company, Los Angeles, Calif. Published April 21, 1924.

27,762.—*Title:* CHECK BREAD. For Bread. S. E. LOVELESS, INC., Philadelphia, Pa. Published July 24, 1924.

27,763.—*Title:* FINE CHOCOLATES. For Boxes Containing Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published July 25, 1924.

27,764.—*Title:* PATRICK'S BRITEN-UP GLASS POLISH. For Bottles Containing Glass Polish. FRANK E. PATRICK, San Francisco, Calif. Published July 24, 1924.

27,765.—*Title:* ALL SWEET TOASTED ALMONDS FROM CALIFORNIA. For Toasted Almonds. WILLIAM PRENTISS JR., doing business as California Almond Confections Company, Long Beach, Calif. Published September 1, 1923.

27,766.—*Title:* THIS PACKAGE CONTAINS 30 10-CENT TINS OF ALL SWEET CALIFORNIA ALMONDS. For Almond Meats. WILLIAM PRENTISS JR., doing business as California Almond Confections Company, Long Beach, Calif. Published September 1, 1923.

27,767.—*Title:* SCHOOL DAY SPECIAL. For Hosiery. PURE SILK HOSIERY MILLS, INC., Chicago, Ill. Published May 1, 1924.

27,768.—*Title:* S & S. For Ginger Ale. S. & S. WATER COMPANY, Philadelphia, Pa. Published March 11, 1924.

27,769.—*Title:* TOOTSIE ANN. For Bread. SANITWAN PAPER CO., Kalamazoo, Mich. Published July 15, 1924.

27,770.—*Title:* COLONIAL MALT EXTRACT. For Malt Sirup. ETTORE SANTILLI, doing business as Colonial Food Products Co., Uniontown, Pa. Published June 19, 1924.

27,771.—*Title:* HONEY-KIST. For Candy. WILLIAM D. SAWLER, Chicago, Ill. Published April 25, 1924.

27,772.—*Title:* SILVER KING GINGER ALE. For Ginger Ale. SILVER KING MINERAL WATER COMPANY, INC., New York, N. Y. Published July 18, 1924.

27,773.—*Title:* TIVOLI EXTRACT. For Malt Extract. THE TIVOLI EXTRACT COMPANY, Detroit, Mich. Published May 1, 1924.

27,774.—*Title:* FLAKY-BURST JAPANESE HULL-LESS POP CORN. For Pop Corn. R. M. TUTTLE, doing business as R. M. Tuttle Pop Corn Company, Spencer, Iowa. Published July 14, 1924.

PRINTS

REGISTERED AUGUST 26, 1924.

7,569.—*Title:* THE DUO-ART REPRODUCING PIANO 18 MUSIC. For Musical Instruments, Including Automatic Musical Instruments. THE AEOLIAN COMPANY, Meriden, Conn., and New York, N. Y. Published June 4, 1924.

7,570.—*Title:* PARADISE COLORED PENCILS C52. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published July 18, 1924.

7,571.—*Title:* THE MAKING OF A MAN. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 23, 1924.

7,572.—*Title:* PFLUEGERS' FISHING TACKLE. For Fishing Tackle. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Published July 12, 1924.

7,573.—*Title:* JELL-O PLUM PUDDING. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published July 1, 1924.

7,574.—*Title:* LITTLE RED RIDING HOOD. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published July 1, 1924.

7,575.—*Title:* YOU'LL HAVE BETTER LUCK WITH HORSESHOES. For Tires. THE RACINE HORSESHOE TIRE COMPANY, Racine, Wis. Published July 16, 1924.

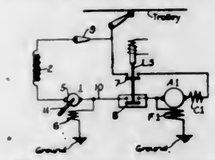
PRINTS RENEWED.

26. COLMAN'S MUSTARD ALL OVER THE WORLD For Mustard. Registered September 22, 1896. J. & J. COLMAN. Renewed September 22, 1924, to J. & J. Colman Ltd., London, England, assignee.

REISSUES

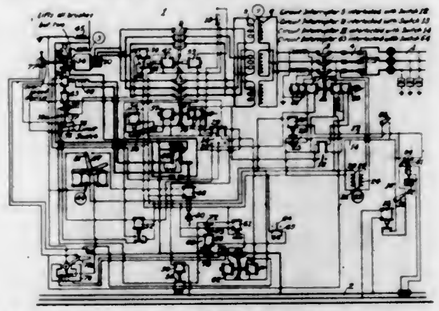
AUGUST 26, 1924.

15,898. SYSTEM OF CONTROL. BASCUM O. AUSTIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 4, 1924. Serial No. 704,289. Original No. 1,427,342, dated Aug. 29, 1922, Serial No. 328,847, filed Oct. 6, 1919. 27 Claims. (Cl. 172—179.)



10. In a system of control, the combination with a main dynamo-electric machine, of a controlling device therefor, an auxiliary dynamo-electric machine for actuating said device and having an armature and a field winding, and means for varying the voltages of said armature and field winding inversely as the main-machine load increases.

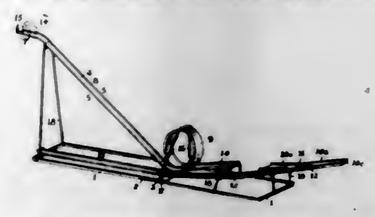
15,899. ELECTRICAL SYSTEM. FREDERIC C. HANKER, Wilkinsburg, and CHARLES McL. MOSS, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 31, 1924. Serial No. 717,147. Original No. 1,435,229, dated Nov. 14, 1922, Serial No. 122,377, filed Sept. 27, 1916. 84 Claims. (Cl. 171—312.)



38. The combination with an alternating-current circuit, a direct-current circuit and a synchronous converter, of automatic means for starting the converter from the alternating-current circuit to permit the development of the polarity thereof at random, reversing the polarity if it should develop in a direction opposite to a predetermined polarity, and completing the normal connections between the alternating-current circuit and the converter, and then connecting the converter to the direct-current circuit.

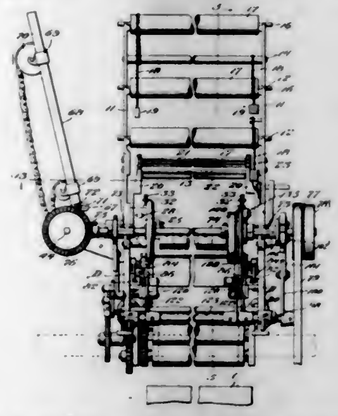
15,900. TOY AMUSEMENT APPARATUS. ALBERT HETZNER, Chicago, Ill., assignor to Benjamin F. Bain, Pittsburgh, Pa. Filed Feb. 26, 1924. Serial No. 695,365. Original No. 1,431,398, dated Oct. 10, 1922, Serial No. 539,612, filed Feb. 27, 1922. 12 Claims. (Cl. 104—55.)

1. In an amusement apparatus, the combination of a sectional track adapted to support a moving car and formed with an aligned starting platform, a main inclined portion, an intermediate loop portion and secondary inclined portions, a supporting base formed in sections having overlapping ends, lateral stud and orifice



connections for said ends, and an arched brace engaging the crown of the loop portion of the track and having prongs at its lower ends for engagement in aligned orifices in the overlapping ends of the track sections.

15,901. LACE-KNITTING MACHINE. ISAAC SPRINGTHORPE, Germantown, Pa., assignor, by mesne assignments, to Springthorpe Textile Machine Company, a Corporation of Delaware. Filed July 16, 1917. Serial No. 180,936. Original No. 1,165,294, dated Dec. 21, 1915, Serial No. 729,865, filed Nov. 6, 1912. 55 Claims. (Cl. 66—33.)

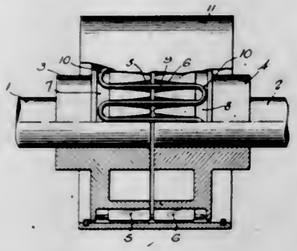


1. In a knitting machine, a row of vertically, horizontally and obliquely movable needles, a series of angularly adjustable slidable thread guides movable at right angles to the path of movement of the needles, and mechanism for simultaneously moving the needles in the said named directions and also for shifting the thread guides.

15,902. PRESERVING COMPOUND FOR PISTACHIO NUTS. SALIM F. ZALOOM, New York, N. Y., assignor to Royal Nut Company, a Corporation of New York. Filed May 15, 1924. Serial No. 713,620. Original No. 1,460,510, dated July 3, 1923, Serial No. 569,972, filed June 21, 1922. 6 Claims. (Cl. 99—1.)

1. A compound for treating pistachio nuts consisting of sodium chloride and gum-arabic in aqueous solution.

15,903. POWER-TRANSMISSION COUPLING. JAMES BIBBY, London, England. Filed May 2, 1923. Serial No. 636,258. Original No. 1,391,713, dated Sept. 27, 1921, Serial No. 430,709, filed Dec. 14, 1920. 9 Claims. (Cl. 64—96.)



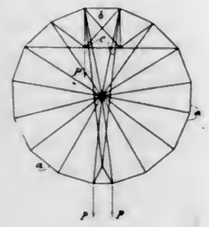
1. A flexible shaft coupling comprising two coupling elements arranged side by side on the driving and driven shafts respectively and a grid-like interconnecting member having its parallel limbs extending longitudinally in normally alined grooves in said elements, the walls of said grooves being so shaped that the more the limbs become deflected by relative angular movement between the elements during torque transmission the less becomes their unsupported length.

15,904. SUN AND GLARE SHADE FOR VEHICLES. GEORGE N. HEIN, San Francisco, Calif. Filed Sept. 11, 1923. Serial No. 662,092. Original No. 1,459,180, dated June 19, 1923, Serial No. 508,368, filed Oct. 17, 1921. 4 Claims. (Cl. 296—97.)



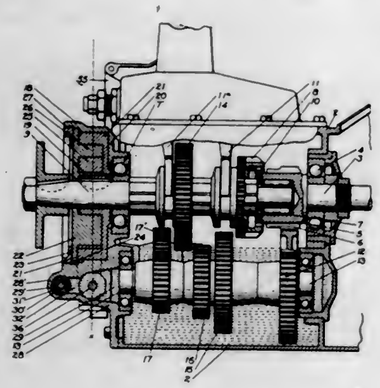
4. In combination with a vehicle windshield, consisting of a transparent pane, adjustable non-transparent light shading members operatively positioned one near the top and the other near the bottom edge of the pane, at least one of said members moving parallel with the windshield pane toward the other, said light shading members arranged to restrict the vision through the upper and lower portions of said windshield pane above and below the normal line of sight, and means for adjusting at least one of said light shading members toward the other to vary the position of the limits of the sight opening through the pane.

15,905. AIRSHIP. JOHANN SCHUETTE, Zeesen-Koenigs-Wusterhausen, near Berlin, Germany, assignor to American Investigation Corporation, New York, N. Y., a Corporation of Maryland. Filed July 3, 1924. Serial No. 724,124. Original No. 1,416,581, dated May 16, 1922, Serial No. 292,768, filed Apr. 25, 1919. 7 Claims. (Cl. 244—3.)



1. A frame work for airships of the rigid type comprising longitudinal girders; rings connected to said longitudinal girders; and load carrying means applicable to each ring comprising truss work having beams connected to a ring at a plurality of points for distributing the load over a predetermined section of said ring.

15,906. AUTOMATIC BRAKE CONTROL FOR POWER-PROPELLED VEHICLES. EDWIN GUSTAVE STAUDE, Minneapolis, Minn. Filed June 9, 1924. Serial No. 719,019. Original No. 1,470,701, dated Oct. 16, 1923, Serial No. 60,751, filed Nov. 10, 1915. Renewed Mar. 22, 1920. Serial No. 367,827. 43 Claims. (Cl. 192—3.)



1. An automatic control for power propelled vehicles comprising a pump, a fluid circulating system therefor, a controlling valve operable to open the suction side of the pump to supply of fluid and close the exhaust side to render the pump active and create a pressure on the exhaust side of the pump, means actuated by the pressure on the exhaust side of said pump, and a rod connected with said means and with the controlling mechanism of the vehicle.

DESIGNS

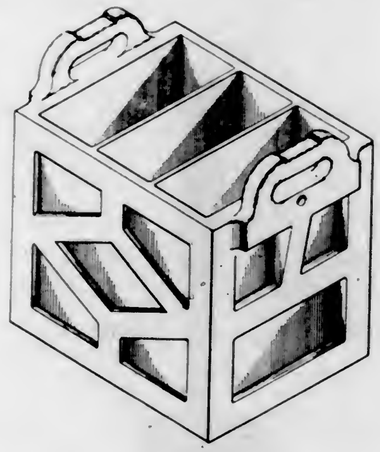
AUGUST 26, 1924.

65,460. GLASS DECANTER. JOHN S. ALGEO, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 12, 1924. Serial No. 8,907. Term of patent 14 years.



The ornamental design for a glass decanter, as shown.

65,461. STORAGE-BATTERY CONTAINER OR SIMILAR ARTICLE. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, a Corporation of Illinois. Filed Aug. 8, 1921. Serial No. 490,803. Term of patent 3½ years.



The ornamental design for a storage battery container or similar article, as shown.

65,462. PLATE OR SIMILAR ARTICLE. GEORGE B. BEEBEE, Brooklyn, N. Y., assignor to Eugene L. Fondeville, East Orange, N. J. Filed May 29, 1924. Serial No. 9,735. Term of patent 14 years.



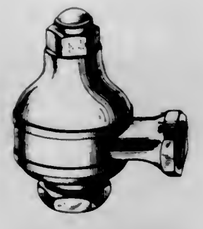
The ornamental design for a plate or similar article, as shown.

65,463. ELECTROLIER. DAVID BRUSSELL, Philadelphia, Pa. Filed June 11, 1924. Serial No. 9,853. Term of patent 7 years.



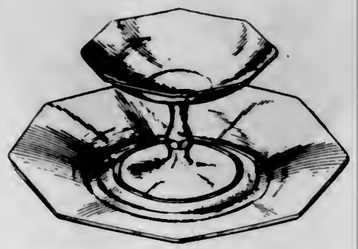
The ornamental design for an electrolier, as shown.

65,464. FLUSH VALVE. EDWARD P. BURNS and GEORGE LE WITT, New Britain, Conn., assignors to The Beaton & Caldwell Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 1, 1924. Serial No. 9,126. Term of patent 14 years.



The ornamental design for a flush valve as shown.

65,465. COMBINATION CHEESE AND CRACKER DISH. HARRY B. DUNCAN, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1923. Serial No. 7,886. Term of patent 3½ years.



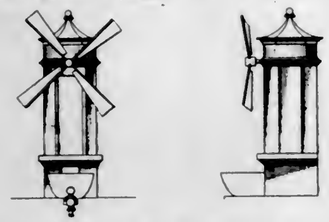
The ornamental design for a combination cheese and cracker dish, substantially as described.

65,466. BALL. ALBERT J. ELDON, Montclair, N. J., assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J., a Corporation of Delaware. Filed Feb. 15, 1923. Serial No. 5,178. Term of patent 14 years.



The ornamental design for a ball substantially as shown in the drawings hereof.

65,467. DISPENSING STAND. JAMES FAZIO, Los Angeles, Calif. Filed Aug. 12, 1922. Serial No. 3,365. Term of patent 7 years.



The ornamental design for a dispensing stand as shown.

65,468. AUTOMOBILE HEADLIGHT. GEORGE FENWICK and MARIE NEVA FENWICK, Venice, Calif. Filed May 10, 1924. Serial No. 9,553. Term of patent 14 years.



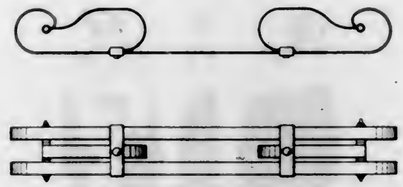
The ornamental design for an automobile headlight, as shown.

65,469. CANDLESTICK OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed June 23, 1924. Serial No. 9,950. Term of patent 7 years.



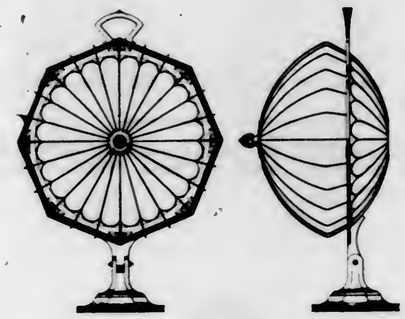
The ornamental design for a candlestick or similar article as shown.

65,470. BUMPER FOR VEHICLES. ARTHUR M. GODWIN, Grand Rapids, Mich., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich., a Corporation of Michigan. Filed June 26, 1924. Serial No. 9,978. Term of patent 3½ years.



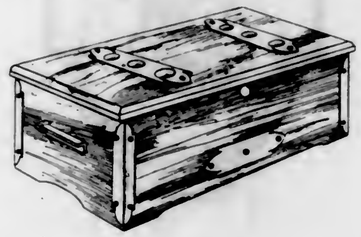
The ornamental design for a bumper for vehicles substantially as shown.

65,471. ELECTRIC-HEATER CASING. GEORGE GRAFF, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 26, 1920. Serial No. 354,269. Term of patent 3½ years.



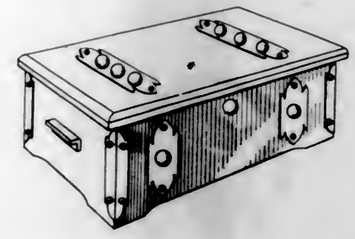
The ornamental design for an electric heater casing as shown.

65,472. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Jan. 28, 1924. Serial No. 8,456. Term of patent 14 years.



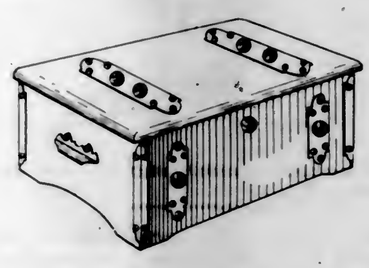
The ornamental design for a box, as shown and described.

65,473. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Jan. 7, 1924. Serial No. 8,258. Term of patent 14 years.



The ornamental design for a box, as shown.

65,474. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Jan. 7, 1924. Serial No. 8,259. Term of patent 14 years.



The ornamental design for a box, as shown and described.

65,475. BLANKET. KATHERINE G. HEALEY, Cambridge, Mass., assignor to Nashua Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire. Filed July 1, 1924. Serial No. 10,020. Term of patent 14 years.



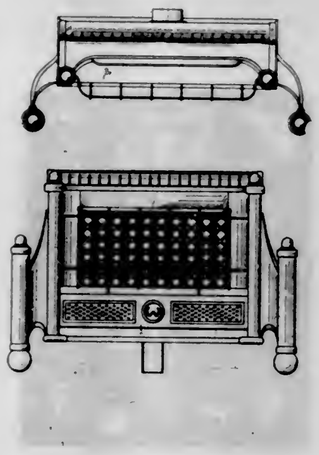
The ornamental design for a blanket as shown.

65,476. WEATHER VANE. FRANK XAVER HERFORT, Bergenfield, N. J. Filed Jan. 21, 1922. Serial No. 302. Term of patent 3½ years.



The new and ornamental design for a weather vane, as shown.

65,477. RADIANT GAS HEATER. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware. Filed Apr. 16, 1924. Serial No. 9,292. Term of patent 14 years.



The ornamental design for a radiant gas heater substantially as shown.

65,478. DOLL. FRANK O. KING, Glencoe, Ill. Filed June 23, 1924. Serial No. 9,943. Term of patent 7 years.



The ornamental design for a doll substantially as shown.

65,479. PLAQUE. EMIL KLEIN, New York, N. Y. Filed Apr. 21, 1924. Serial No. 9,342. Term of patent 3½ years.



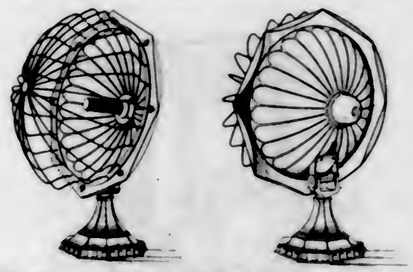
The ornamental design for a plaque, as shown.

65,480. POWDER CONTAINER. JAMES J. LARMOUR, New York, N. Y. Filed Mar. 21, 1924. Serial No. 9,015. Term of patent 7 years.



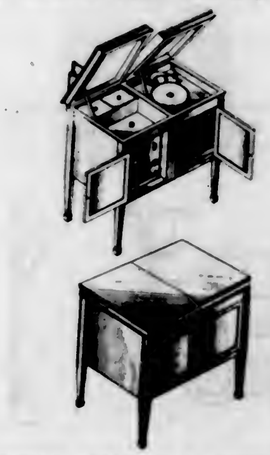
The ornamental design for a powder container, as shown.

65,481. ELECTRIC-HEATER CASING. EDWIN N. LIGHTFOOT, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 21, 1920. Serial No. 405,208. Term of patent 3½ years.



The ornamental design for an electric heater casing as shown.

65,482. COMBINED RADIO AND PHONOGRAPH CABINET. WALTER LYTTON, Chicago, Ill. Filed Oct. 2, 1922. Serial No. 3,868. Term of patent 14 years.



The ornamental design for a combined radio and phonograph cabinet, as shown.

65,483. CUFF BUTTON. WILLIAM MCCLELLAN, Taunton, Mass., assignor to Freeman-Daughaday Company, Chartley, Mass., a Corporation of Massachusetts. Filed May 31, 1924. Serial No. 9,757. Term of patent 3½ years.



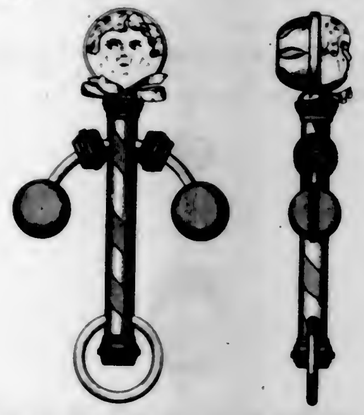
The ornamental design for a cuff button substantially as shown.

65,484. TEACUP. SYDNEY MCNAMARA and WILLIAM NICHOLSON, New York, N. Y. Filed Dec. 3, 1923. Serial No. 7,942. Term of patent 7 years.



The ornamental design for a tea cup, as shown.

65,485. TOY RATTLE. LEO MORSE, New York, N. Y. Filed May 29, 1924. Serial No. 9,734. Term of patent 7 years.



The ornamental design for a toy rattle as shown.

65,486. HANDLE FOR SAFETY RAZORS. GEORGE D. MOULTON, Denison, Tex. Filed June 5, 1924. Serial No. 9,807. Term of patent 14 years.



The ornamental design for a handle for safety razors, as shown.

65,487. LAMP BASE. FRANK H. NALL, Evansville, Ind. Filed May 27, 1924. Serial No. 9,717. Term of patent 3½ years.



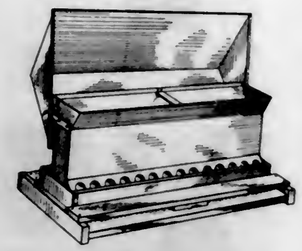
The ornamental design for a lamp base as shown.

65,488. FINGER RING. ALBERT NIOLA and MICHAEL MARINO, Newark, N. J. Filed May 21, 1923. Serial No. 6,236. Term of patent 7 years.



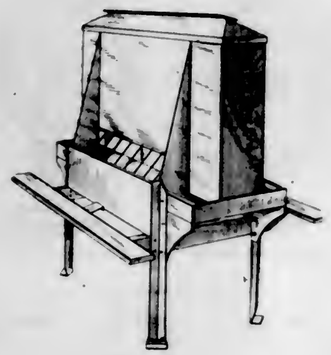
The ornamental design for a finger ring, substantially as shown.

65,489. POULTRY-FEEDING DEVICE. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Manufacturing Co., Fort Atkinson, Wis. Filed Oct. 26, 1922. Serial No. 4,108. Term of patent 7 years.



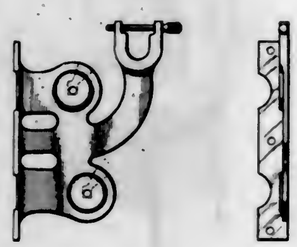
The ornamental design for a poultry feeding device as shown.

65,490. POULTRY-FEEDING DEVICE. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Manufacturing Co., Fort Atkinson, Wis. Filed Oct. 23, 1922. Serial No. 4,061. Term of patent 7 years.



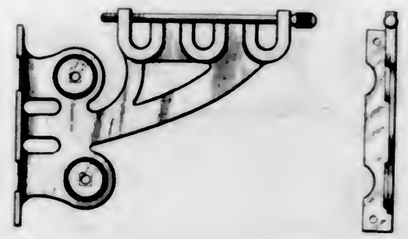
The ornamental design for a poultry feeding device as shown.

65,491. SHADE BRACKET. ELMER J. POURMON, Newark, N. J. Filed Mar. 1, 1921. Serial No. 448,854. Term of patent 3½ years.



The ornamental design for a shade bracket as shown.

65,492. SHADE BRACKET. ELMER J. POURMON, Newark, N. J. Filed Mar. 1, 1921. Serial No. 448,855. Term of patent 3½ years.



The ornamental design for a shade bracket as shown.

65,493. SHEET GLASS OR SIMILAR ARTICLE. JOSHUA M. RICHARDS, Belmont, Mass. Filed Nov. 9, 1923. Serial No. 7,722. Term of patent 14 years.



The ornamental design for sheet glass or similar article as shown.

65,494. MOTOR-VEHICLE RADIATOR. JOHN RHSE, Doylestown, Ohio. Filed May 29, 1924. Serial No. 9,738. Term of patent 14 years.



The ornamental design for a motor vehicle radiator, as shown.

65,495. COMBINED CLOCK AND BANK. HOWARD R. ROBERTS, Chicago, Ill., assignor to Stronghart Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 30, 1922. Serial No. 4,766. Term of patent 3½ years.



The ornamental design for a combined clock and bank, as shown.

65,496. LIGHTING FIXTURE OR AN ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed May 16, 1924. Serial No. 9,617. Term of patent 3½ years.



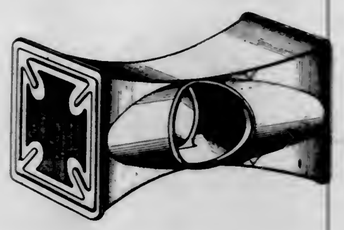
The ornamental design for a lighting fixture or an article of similar nature, as shown.

65,497. HANGING LAMP OR SIMILAR ARTICLE. ISIDOR ROSENBLATT, New York, N. Y. Filed June 19, 1924. Serial No. 9,904. Term of patent 3½ years.



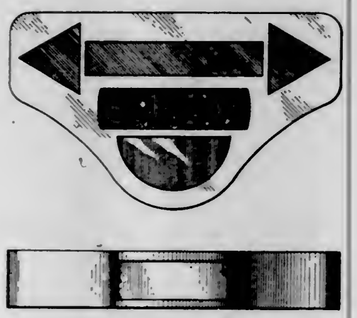
The ornamental design for a hanging lamp or similar article, as shown.

65,498. TELEPHONE MUFFLER. LOUIS S. SCHER, Bronx, N. Y. Filed Mar. 30, 1922. Serial No. 1,448. Term of patent 3½ years.



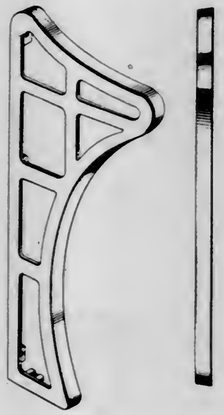
The ornamental design for a telephone muffler as shown.

65,499. VEHICLE INDICATOR. ALBERT E. SCHILLINGER, Denver, Colo. Filed May 31, 1924. Serial No. 9,761. Term of patent 14 years.



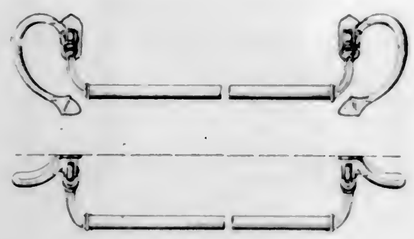
The ornamental design for a vehicle indicator as shown.

65,500. STOVE BRACKET OR SIMILAR ARTICLE. ERNEST SCHMALE, Belleville, Ill. Filed Apr. 12, 1923. Serial No. 5,801. Term of patent 3½ years.



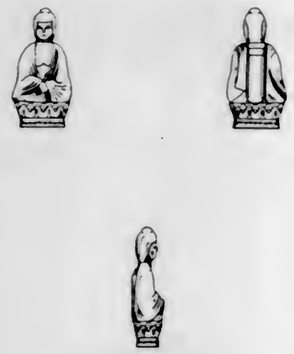
The ornamental design for a stove bracket or similar article, as shown.

65,501. AUTOMOBILE ROBE-RAIL FIXTURE. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed May 10, 1924. Serial No. 9,546. Term of patent 14 years.



The ornamental design for an automobile robe-rail fixture, as shown.

65,502. PORTABLE LIGHTER. ROBERT SCHRAMM, Pforzheim, Baden, Germany, assignor to R. F. Waechter & Company, G. m. b. H., Frankfort-on-the-Main, Germany. Filed Apr. 28, 1924. Serial No. 9,429. Term of patent 3½ years.



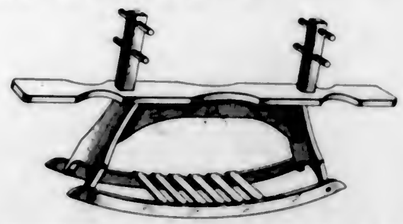
The ornamental design for a portable lighter as shown.

65,503. COMBINED BRUSH AND TUMBLER BRACKET. PAUL SPIEDEL, New York, N. Y. Filed Aug. 18, 1922. Serial No. 3,439. Term of patent 7 years.



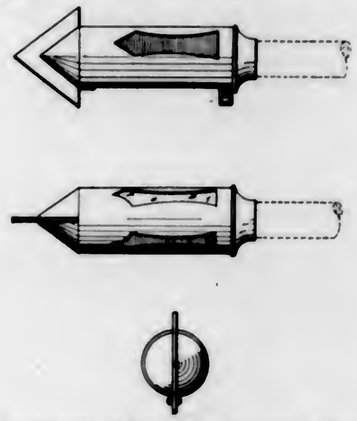
The ornamental design for a combined brush and tumbler bracket, as shown.

65,504. CHILD'S ROCKER. WHITNEY R. SPIEGEL, Indianapolis, Ind. Filed Mar. 31, 1924. Serial No. 9,119. Term of patent 3½ years.



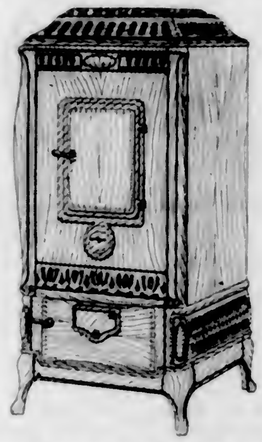
The ornamental design for a child's rocker as shown.

65,505. DIRECTION, TROUBLE, AND PARKING LAMP. WILLIAM J. STOTT, Worcester, Mass. Filed Apr. 3, 1924. Serial No. 9,152. Term of patent 14 years.



The ornamental design for a direction, trouble, and parking lamp, as shown.

65,506. HEATING STOVE. JONES T. TEMPLETON, St. Louis, Mo., assignor to The Buck's Stove & Range Company, St. Louis, Mo., a Corporation of Missouri. Filed May 24, 1924. Serial No. 9,700. Term of patent 14 years.



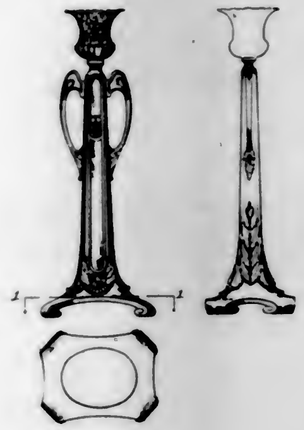
The ornamental design for a heating stove, as shown.

65,507. CANE OR SIMILAR ARTICLE. JAMES WILL TRACY, Smithland, Ky. Filed Dec. 2, 1922. Serial No. 4,468. Term of patent 14 years.



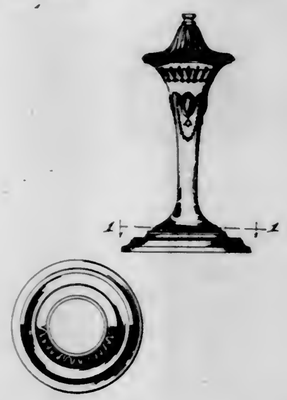
The ornamental design for a cane, or similar article, as shown.

65,508. CANDLESTICK. GUSTAVE E. VILLARET, New York, N. Y., assignor to William R. Noe & Sons, a Copartnership of New York, N. Y. Filed May 11, 1923. Serial No. 6,136. Term of patent 7 years.



The ornamental design for a candlestick, as shown.

65,509. BASE FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to William R. Noe & Sons, New York, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 6,283. Term of patent 7 years.



The ornamental design for a base for lighting fixtures, as shown.

65,510. PEDESTAL FOR LAMPS OR SIMILAR ARTICLES. GUSTAVE E. VILLARET, New York, N. Y., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed Apr. 8, 1924. Serial No. 9,197. Term of patent 7 years.



The ornamental design for a pedestal for lamps or similar articles, as shown.

65,511. CORNET OR SIMILAR ARTICLE. FRANK MERWIN WAKEMAN, Durham, Me. Filed Feb. 28, 1924. Serial No. 8,771. Term of patent 7 years.



The ornamental design for a cornet or similar article, as shown.

65,512. TOY BALLOON. THOMAS J. WORSTELL, St. Louis, Mo. Filed Aug. 13, 1923. Serial No. 6,997. Term of patent 14 years.

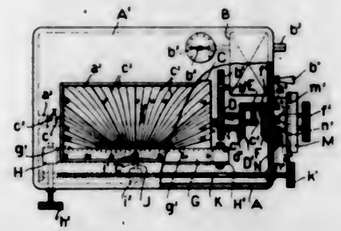


The ornamental design for a toy balloon as shown.

PATENTS

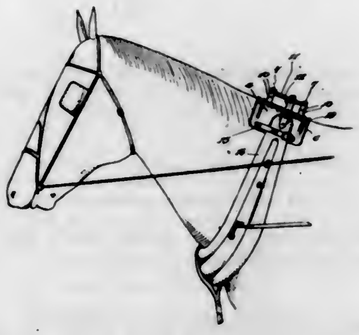
GRANTED AUGUST 26, 1924.

1,505,935. APPARATUS FOR DETERMINING A MAGNITUDE, WHICH VARIES WITH THE TIME. WALTHER AKEMANN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Sept. 3, 1920. Serial No. 408,076. 11 Claims. (Cl. 235—61.)



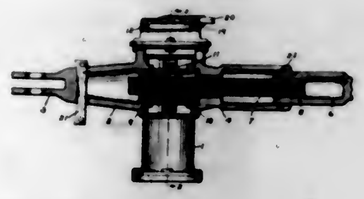
1. An apparatus for determining a magnitude which varies with time which comprises a movable member being provided with a multiplicity of lines radiating from one point, said lines each representing a fixed value of variation, referred to the unit of time of the said magnitude, a member having a graduation disposed adjacent said movable member, said two members being movable transversely with respect to each other the graduation of said grad graduated member being divided into units of said magniture based on the same unit as said radiating lines, constant speed means for moving said movable member and means for moving said graduated member whereby the magnitude to be determined is indicated by the intersection of a selected radiating line with a division line of said graduation.

1,505,936. HORSE-COLLAR PAD. HENRY G. ANDERSON, Inwood, Iowa. Filed Dec. 12, 1923. Serial No. 680,280. 3 Claims. (Cl. 54—19.)



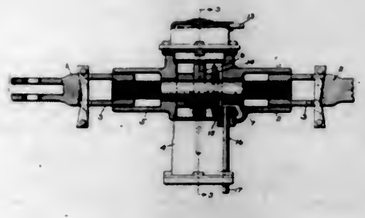
1. A collar pad comprising a portion shaped to fit upon the neck of an animal and provided at its side edges with longitudinally disposed collar-retaining elements, posts erected upon said member adjacent the ends thereof, a bridge bar having its ends engaged over said posts, filler blocks also mounted on said posts and interengageable with the ends of the bridge bar whereby to effect vertical adjustment of the bridge bar relative to the neck-engaging portion of the pad, and means for retaining the bridge bar upon the posts.

1,505,937. SLACK ADJUSTER. ROBERT E. ADREON, St. Louis, Mo., and CHRISTOPHER P. CASS, Berkeley, Calif., assignors to The American Brake Company, St. Louis, Mo., a Corporation of Missouri. Filed July 19, 1922. Serial No. 575,934. 9 Claims. (Cl. 188—202.)



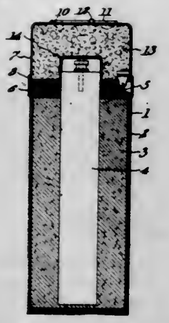
5. The combination with a pair of tie rod members, each secured to a brake lever, of a take-up cylinder fixed to one member, a nut associated with said cylinder, and a screw fixed to the other member and having screw-threaded engagement with said nut.

1,505,938. SLACK ADJUSTER. ROBERT E. ADREON, St. Louis, Mo., and CHRISTOPHER P. CASS, Berkeley, Calif., assignors to The American Brake Company, St. Louis, Mo., a Corporation of Missouri. Filed July 19, 1922. Serial No. 575,937. 7 Claims. (Cl. 188—202.)



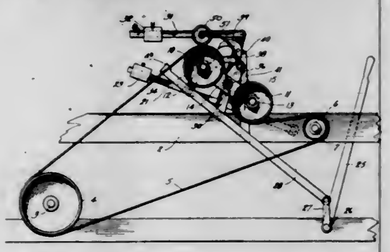
5. In a slack adjuster, the combination with a take-up cylinder having opposite sleeve portions provided with recesses, an adjusting screw extending into said recesses, and a ratchet wheel mounted in said cylinder and secured to said screw, of opposite brake lever tie rod members having telescopic engagement in each recess and having screw-threaded engagement with opposite ends of said adjusting screw.

1,505,939. HERMETICALLY-SEALED DRY CELL. HARRY D. BATCHELOR, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed June 21, 1921. Serial No. 479,287. 6 Claims. (Cl. 204—38.)



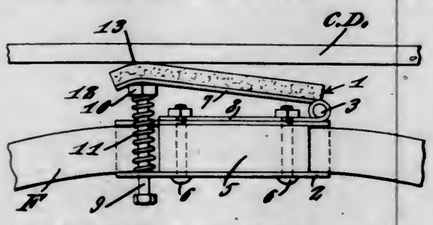
1. In a dry cell, means independent of the depolarizer for fixing gases evolved in said cell.

1,505,940. SAFETY LOCK FOR BELT-TIGHTENING MECHANISM. JAMES H. BERRYMAN, Snoqualmie, Wash. Filed Nov. 14, 1922. Serial No. 600,955. 6 Claims. (Cl. 64—5.)



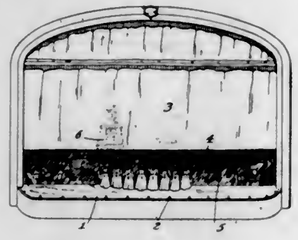
2. A device of the class described, comprising in combination with a driving belt, a rotatably supported belt tightening device, means connected with said device for normally maintaining driving tension on the belt, a ratchet member carried by the tightening device, a setting mechanism manually movable between "off" and "on" positions, means for yieldingly retaining it in either set position, a pawl carried by the setting mechanism for engagng said ratchet when the setting mechanism is shifted from "on" to "off" position to effect rotation of the belt tightening device whereby driving tension will be removed from the belt.

1,505,941. CLUTCH BRAKE. JACOB S. BIDDLE and JAMES P. THOMPSON, Leavenworth, Kans. Filed Sept. 4, 1923. Serial No. 660,866. 2 Claims. (Cl. 192—12.)



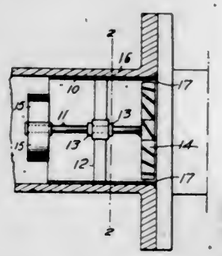
1. A disk clutch brake comprising a braking element to be located in the path of a disk clutch and having means for attaching it to a support, said means comprising a clamp U-shaped in cross section to straddle a support, means for securing said member in operative position and a braking element carried by the outer face of said member and adapted to lie in the path of a disk clutch so that when the clutch is thrown out it will be frictionally engaged by said braking element.

1,505,942. ART OF PRODUCING MANIKIN ACTORS. ELMA OSBORN BLANTON, Jacksonville, Fla. Filed Apr. 21, 1921. Serial No. 463,171. 4 Claims. (Cl. 46—70.)



1. The art of producing a manikin actor which consists in first painting face feature on the knee cap of the operator and then dressing the leg of the operator in suitable clothes characteristic of a manikin and concealing that portion of the operator which is not dressed as a manikin.

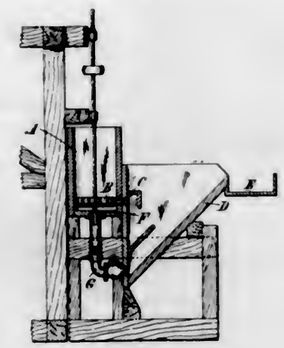
1,505,943. INTERNAL-COMBUSTION ENGINE. CHARLES J. BOHRER and CHARLES E. NACHTRAB, Toledo, Ohio. Filed July 15, 1922. Serial No. 575,166. 2 Claims. (Cl. 48—180.)



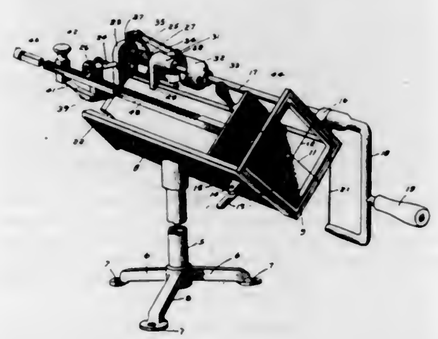
1. As an improvement in internal combustion engines, the combination of a carburetor having the usual position with reference to the intake manifold, a cylinder fitting the intake manifold beyond the carburetor, a shaft within the cylinder, means between the ends of the cylinder supporting the shaft, a rotary device at the end of the cylinder towards the carburetor that is mounted on said shaft and which derives motion from the inflowing current of fuel, and radial arms on the shaft situated beyond said shaft support having concave faces turnd in the direction of rotation of said arms.

1,505,944. TREATMENT OF EMULSIONS. WALTER BROADBRIDGE and EDWIN EDSER, London, England, assignors to Minerals Separation Limited, London, England, a British Limited Liability Company. Filed June 26, 1920. Serial No. 391,918. 8 Claims. (Cl. 87—26.)

1. The process of separating the constituents of an emulsion which consists in agitating and aerating the emulsion under such conditions that there are formed therein a multitude of the minute bubbles characteristic of the froth-flotation separation process so as to form a froth preferentially carrying one constituent of the emulsion, and separating the froth.



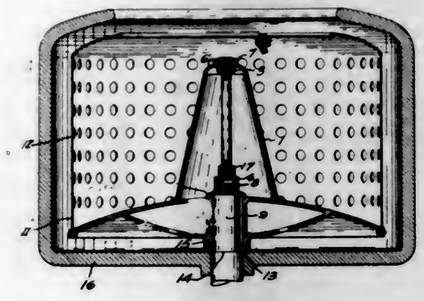
1,505,945. BUTTER CUTTER. JOHN G. CALVERT and DWIGHT C. CLINTON, Oakland, Calif. Filed Apr. 20, 1920. Serial No. 375,313. 3 Claims. (Cl. 31—65.)



1. In a butter cutter, an angular shaped member, a frame carried at one end of said angular shaped member, cutting wires carried by said frame, a pusher mounted within said angular shaped member, a rack bar extended to rear of said pusher, a spring pressed guide adapted to support the rear of said rack, means for advancing said pusher intermittently.

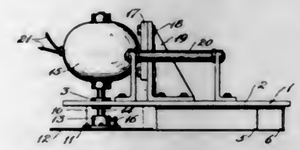
1,505,946. DETACHABLE CONE FOR LAUNDRY EXTRACTORS. WILLIAM M. CHACE, Detroit, Mich. Filed Aug. 22, 1921. Serial No. 494,099. 3 Claims. (Cl. 210—76.)

1. A detachable cone for use with a centrifugal extractor comprising the combination with a perforated basket having a shaft secured centrally thereto and provided with a threaded end extending into the basket, of a nut threaded onto the threaded end of the shaft and having a threaded recess in the upper end, a rod threaded into the said recess, the said rod supporting a bell shaped disc at the upper end, a conical shell having a flange at the lower edge adapted to engage the bottom of the basket, said shell fitting over the bell shaped disc



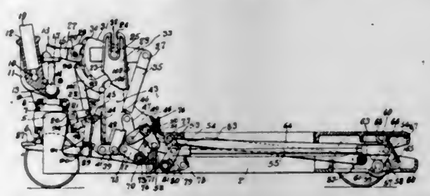
at the upper end and a nut threaded on the upper end of the said rod and adapted when turned up to bindingly secure the cone and the bell shaped disc together.

1,505,947. BLOCK-SURFACING MACHINE. EARL CHAPMAN, Oakland, Calif., assignor of one-half to Frank McCarroll, Boise, Idaho. Filed Mar. 19, 1923. Serial No. 626,129. 2 Claims. (Cl. 144—119.)



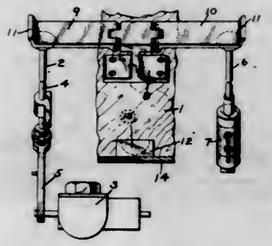
1. A block-surfacing machine including a horizontal supporting plate, vertical runners arranged in crossed relation beneath said plate and supporting the latter, parallel vertical runners provided on the under side of said plate and arranged near the opposite side edges of the plate, a circular saw-blade arranged to rotate partially between said crossed runners, a motor carried by said plate, a shaft for said motor on which the saw blade is mounted, and handles provided on the upper side of the plate to enable the operator to move the machine universally over the surface to be dressed.

1,505,948. JACK. SHERWOOD M. CHASE, Columbus, Ohio. Filed May 8, 1922, Serial No. 559,186. Renewed July 14, 1924. 22 Claims. (Cl. 254—2.)



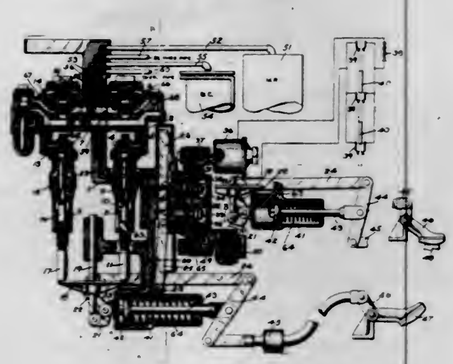
1. In a jack of the class described, a load carrying member, an expansible element consisting of a pair of telescoping members movable in opposite directions, a linkage connecting one of the last mentioned members with one end of the load carrying member, a second linkage connecting the other member of the expansible element with the remaining end of the load carrying member, and means to expand the expansible member.

1,505,949. AUTOMOTIVE CONTROL DEVICE. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 11, 1922. Serial No. 600,308. 4 Claims. (Cl. 74—81.)



1. In a motor vehicle controlling device, the combination with a pair of foot operable vehicle controlling members, of a bracket mounted between said members, and an arm hinged to said bracket for operating each member.

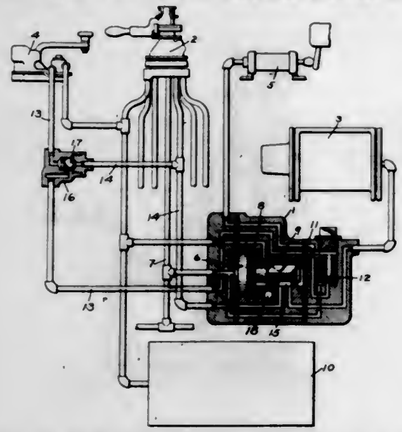
1,505,950. VARIABLE-LOAD BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 27, 1923. Serial No. 665,110. 6 Claims. (Cl. 303—22.)



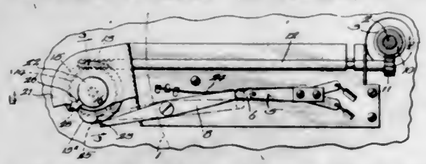
1. In a load brake apparatus, the combination with a mechanism for limiting the braking power according to the load on the car, of fluid pressure means for rendering said mechanism operative by the load on the car, fluid pressure means for locking said mechanism in its adjusted position, a magnet, and valve means operated by said magnet for controlling the fluid pressure on both said means.

1,505,951. FLUID-PRESSURE BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1923. Serial No. 666,616. 4 Claims. (Cl. 303—6.)

1. In a fluid pressure brake, the combination with a safety control pipe, an emergency brake pipe, and means operated upon a reduction in pressure in the safety control pipe for venting fluid from the emergency brake pipe, of a straight air pipe, means operated by pressure in the straight air pipe fo cutting off communication through the safety control pipe, and an emergency valve device operated upon a reduction in brake pipe pressure for effecting an application of the brakes and adapted in emergency position to vent fluid from said straight air pipe.

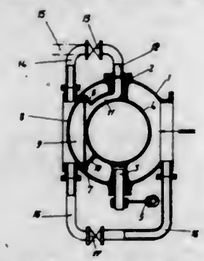


1,505,952. PHONOGRAPH MECHANISM. WILLIAM A. FRICKE, Oak Park, Ill. Filed May 12, 1923. Serial No. 638,524. 6 Claims. (Cl. 192—119.)



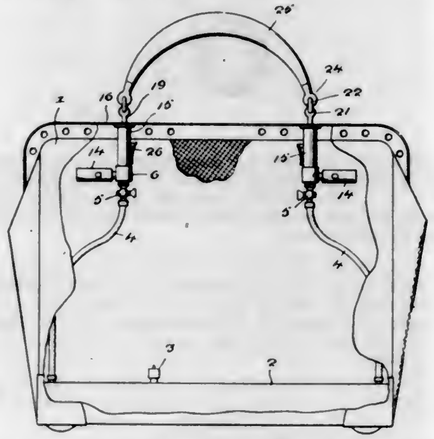
1. The combination with the revoluble record support of a phonograph; of an electric motor in driving relation to said support; a switch in circuit with the motor for bringing it into and out of action; a cam in actuating relation to the switch to open and close it and having one portion that serves to maintain the switch closed and another portion which causes the switch to open; and gearing driven by said motor and driving said cam and with respect to which said cam is adjustable to adjust the duration of the closure of the switch.

1,505,953. ROTARY VALVE FOR PIPE LINES. ANTON GAGG, Zurich, Switzerland, assignor to the Firm: Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed Nov. 26, 1923. Serial No. 676,999. 4 Claims. (Cl. 251—102.)



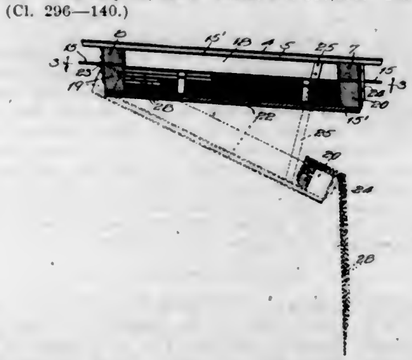
1. A rotary valve for pipe lines, comprising in combination a valve casing provided with a seat, a gate body movable within said casing, a closing member provided with a seat adapted to cooperate with the seat of the casing, said member being movable relatively to and with the gate body and confining together with the latter a hollow space adapted to take up fluid in order to press said member against the seat of the casing, said member being so designed that the pressure present inside the valve casing acts on the member in opposition to the pressure present in said hollow space, and means for relieving said space from pressure whilst said member is still in closing position.

1,505,954. SATCHEL ALARM. RUDOLPH PARKER GILL, Orange, Va. Filed May 2, 1924. Serial No. 710,630. 2 Claims. (Cl. 116—99.)



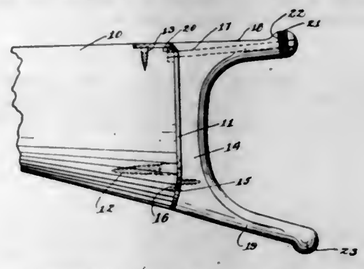
2. In combination with a satchel or the like having a carrying handle, of a means for sounding an alarm when the satchel is not suspended from the handle, comprising a reservoir in the satchel having air under pressure therein, valve controlled tubes leading therefrom, a casing carrying a spring influenced valve for each whistle and connected with each tube, means for adjusting each valve with respect to its seat, spring influenced plungers connected with the handle and normally sustained in one position by the weight of the satchel when the latter is suspended from the handle and designed for movement to unseat the valves when hold on the handle has been released, and means for holding the plungers in valve unseating position.

1,505,955. VEHICLE TOP. OLLIE L. HERON, Chicago, Ill. Filed May 15, 1920. Serial No. 381,699. 1 Claim. (Cl. 296—140.)



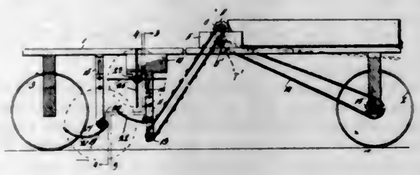
In a device of the kind described and in combination, a rigid vehicle top having cross bars extending transversely across the same from side to side and a pair of spaced bars extending lengthwise the top and connecting two of the transverse bars adjacent the rear of the driver's seat, a curtain container comprising a box shaped receptacle of a size to receive the curtains flat without folding and constructed to fit the enclosure formed by said cross bars and spaced bars and abut the bars, said box shaped receptacle hinged at its rear edge to the rear transverse bar and provided with locking means at the front edge for securing the same to the forward transverse bar, a plurality of fabric curtain separators secured to the inside of the front edge of the receptacle with the remainder of the edges free, and means for limiting the opening movement of the receptacle to less than an arc of 45°.

1,505,956. DETACHABLE TARGET BUTT PLATE. ALFRED H. HOFER, Dayton, Ohio. Filed Sept. 21, 1923. Serial No. 664,129. 4 Claims. (Cl. 42—71.)



2. The combination with a butt of a firearm, of a quickly detachable butt piece having a shoulder prong extending rearwardly therefrom, a screw extending through said prong for securing said butt piece, and a finger knob rigid with the outer end of said screw for turning the same forming the end of said prong with said butt piece in place.

1,505,957. BEET HARVESTER. JOSEPH J. HRUSKA, Milwaukee, Wis. Filed Oct. 22, 1920. Serial No. 418,688. 1 Claim. (Cl. 55—59.)

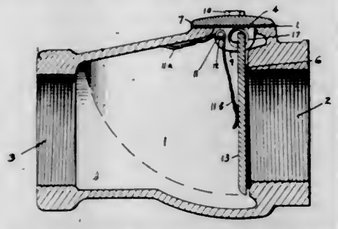


In a beet harvester, an extracting mechanism including a rotatable shaft, a digger mounted on said shaft and comprising a body portion curved concentrically with the shaft and fixed thereto, and a plurality of spaced fingers extending therefrom and curved throughout their length, said fingers being curved in the same direction in which said shaft is adapted to rotate for digging the beets from the ground, a second shaft to the rear of said extension mechanism, and a plurality of radiating bars extending from said second shaft, said bars being situated so as to pass between the fingers of the digger and knock the beets therefrom so as to throw the same rearwardly.

1,505,958. VALVE. SAMUEL E. HUNTTING, San Francisco, Calif. Filed Aug. 11, 1921. Serial No. 491,456. 2 Claims. (Cl. 251—125.)

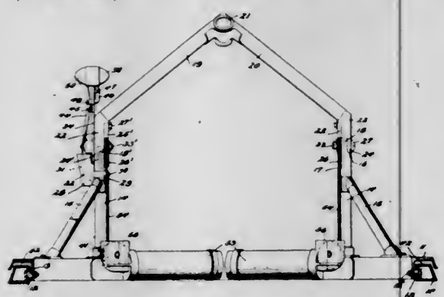
1. A valve provided with inlet and outlet orifices and with a side orifice, a cover for said orifice provided with lugs extending into the said orifice, said lugs provided with holes, a flapper adapted to close the inlet orifice of

said valve and dependent from said holes by a shaft at the top of the flapper and an integral part of it, said shaft so constructed as to permit one end of said shaft to be in-



serted in a hole in one of said lugs and passed therethrough far enough to allow the other end to be inserted in the hole in the other of said lugs, and the entire shaft to be moved back to a central position.

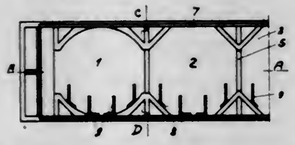
1,505,959. DUPLEX CONTROL FOR FLEXIBLY-MOUNTED GUNS. HENRY B. INGLIS, Dayton, Ohio. Filed Apr. 30, 1923. Serial No. 635,769. 10 Claims. (Cl. 89—40.)



1. In combination, a gun support movable about two axes, a means for locking said gun support against movement about one of said axes, another means for locking said gun support against movement about the other of said axes, and a single control handle for releasing the two said locking means by initial pressure in the direction in which such pressure when continued will move the gun support.

7. In combination, a gun support movable about an axis, means for locking the gun support against movement about such axis, and a movable controlling device for controlling said locking means, the controlling device being mounted so that a force applied to it in the same direction in which it is desired to move the gun support releases the gun support for movement in that direction.

1,505,960. PLANE SIEVE. CHARLES JAQUET, Strasbourg-Koenigshoffen, France. Filed Aug. 29, 1921. Serial No. 496,513. 1 Claim. (Cl. 83—38.)



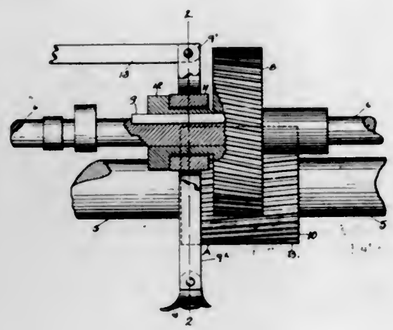
In a plane sorting device a sieve surface having cross traverses, whereby above each transverse on both sides of the longitudinal walls of the sieve surface wedge shaped corners are disposed, which consist of frames whereby the individual cross compartments receive a round or approximately round sieve surface, said corner serving at the same time as inlet and outlet passages between the individual compartments and transporting plates arranged at one side of the cross compartments and extending partly thereacross.

1,505,961. ENGINE AIR PERCOLATOR. LAWRENCE JOUBERT, Williamstown, Ontario, Canada, assignor to Chilian Longley Hervey, trustee, Montreal, Canada. Filed July 31, 1922. Serial No. 578,638. 1 Claim. (Cl. 48—180.)



An engine air percolator comprising a separator plate having projecting prongs receding in opposite directions from a central irregular enlarged solid portion, and having irregular enlarged solid portions adapted to be pivoted to the air tube.

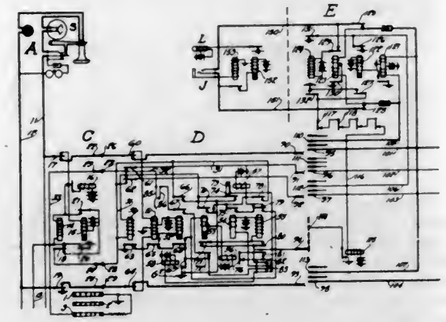
1,505,962. VALVE-CONTROLLING MECHANISM. CHARLES W. LEE, Brooklyn, N. Y., assignor of one-fourth to Frederick S. Bartram, Brooklyn, N. Y. Filed Apr. 9, 1923. Serial No. 631,043. 1 Claim. (Cl. 123—90.)



A mechanism for controlling the action of the valves of an internal combustion engine while the latter is in operation and in operative time with the speed of the engine, a gear splined to the cam shaft of the engine, a grooved hub laterally formed on the gear, a collar surrounding the hub and arranged in the groove, studs extending from diametrically opposite sides of the collar, a yoke pivotally secured at its lower end and provided with openings receiving the studs whereby movement of the yoke on its pivot will slide the gear upon the shaft through the medium of the collar and grooved hub, a gear keyed to the crank shaft of the engine and meshing with the splined gear and manually operated means secured to the upper end of the yoke.

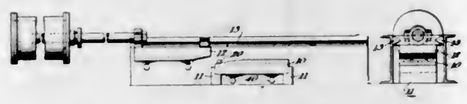
1,505,963. AUTOMATIC TELEPHONE SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 409,932. 14 Claims. (Cl. 179—27.)

1. In a telephone system, selection and connector switches for connecting calling and called lines, service restricting means for each line, service restricting means in the selectors, and service restricting means in the



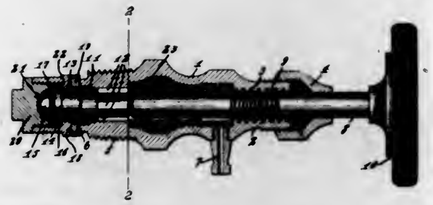
connectors, the said means cooperating to divide the subscribers into three classes in accordance with the kinds of service they are entitled to.

1,505,964. PROCESS OF AND APPARATUS FOR FORMING BALLS. FRANK EARL MARCY, Los Angeles, Calif. Filed Mar. 28, 1922. Serial No. 547,501. 3 Claims. (Cl. 80—20.)



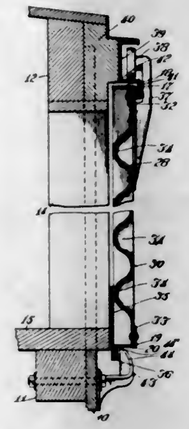
2. Apparatus for forming balls, comprising two dies mounted for sliding movement over one another and having co-operating ball-forming grooves, the grooves having portions substantially V-shaped in cross-section co-operating intermediate the ends of the stroke and portions progressively changing from V-shape to semi-circular shape, said last mentioned portions co-operating during the final part of the rolling stroke.

1,505,965. GAUGE COCK. CHARLES R. MOORE, Newport, Vt. Filed Mar. 16, 1923. Serial No. 625,512. 1 Claim. (Cl. 251—46.)



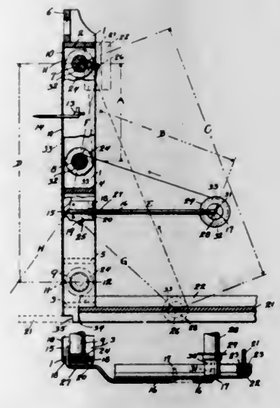
In a gauge cock the combination with a casing having a valve seat at one end, and a stem projecting through and beyond the ends of the casing, of cooperating screw threads upon the stem and casing, a head at one end of the stem having an annular enlargement, a tapered knob projecting from the enlargement, a valve rotatably engaged by the head on the stem and having an internal annular shoulder constituting a thrust bearing for the enlargement, a screw plug adjustably seated in the valve and closing one end thereof, said plug having a concave recess, the center portion of the wall of which constitutes the sole means for receiving thrust from the knob to shift the valve from the seat on the end of the casing.

1,505,966. SHEET-METAL CAR DOOR. WALTER P. MURPHY, New York, N. Y. Original application filed May 8, 1920, Serial No. 379,807. Divided and this application filed Apr. 6, 1922. Serial No. 550,139. 18 Claims. (Cl. 189—46.)



15. A railway car door comprising, in combination a marginal rectangular frame, a sheet metal panel, and a plate cooperating with said frame and panel to provide a hollow box-like structure at the lower edge of the door.

1,505,967. DETACHABLE SCROLL FOR PORTABLE DESKS. LEWIS E. MYERS, Valparaiso, Ind. Filed Feb. 11, 1920. Serial No. 357,840½. 7 Claims. (Cl. 45—51.)

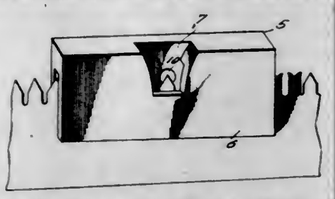


1. In interchangeable scroll display devices, a plurality of rollers, removable scrolls attachable to and detachable from the rollers at will, a suitable frame on which said rollers are supported, and a supplementay pivoted roller support adapted to hold a transfer roller in substantial parallelism with the other rollers at various distances therefrom.

1,505,968. SAW SET. LARKIN S. OSBORN, Duncan, Oreg. Filed May 23, 1923. Serial No. 640,918. 2 Claims. (Cl. 76—60.)

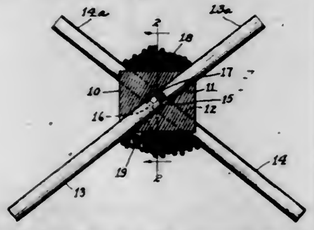
1. A device of the class described including a body adapted to be disposed on a saw and setting means associ-

ated with the body, said setting means including a bolt threaded through the body, a nut on the bolt, and means



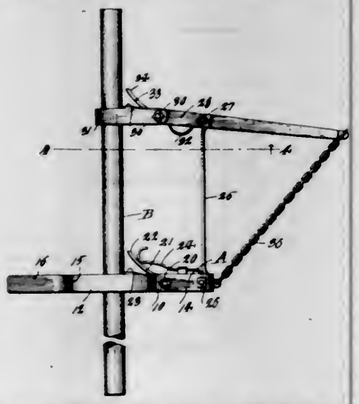
for locking the nut on the bolt in a desired position so that the movement of the bolt in respect to the body may be limited.

1,505,969. CLOTHESLINE REEL. CONRAD PETERSON, Chicago, Ill. Filed Apr. 24, 1922. Serial No. 556,315. 6 Claims. (Cl. 242—100.)



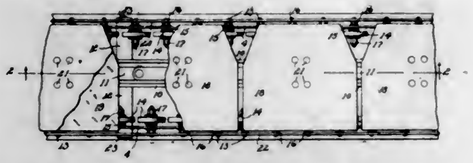
1. In a clothes line reel, the combination of a central block having holes extending diagonally through the block in parallel planes and in directions crossing each other, handles extending through said holes and rotatable therein, each of said handles having a groove therein, and a pin extending through said block and lying in both of said grooves.

1,505,970. COMBINED GRIP AND JACK. LOYD C. POWELL, Cushing, Okla. Filed Aug. 16, 1923. Serial No. 657,799. 3 Claims. (Cl. 254—31.)



1. In a device of the character described, a frame including a pair of integrally connected arms, the intermediate portions of the arms being bowed in opposite directions, a strap carried by the frame, a hook formed on the strap for encircling the device to be raised and lowered, a double ended dog pivotally carried by the strap and arranged in opposite relation to the hook, a link pivotally secured to the frame, a lever pivotally secured intermediate its ends to the link, a U-shaped frame pivotally secured to the lever for embracing the device to be raised and lowered, and a double ended dog rockably carried by the lever for engaging the device to be raised and lowered.

1,505,971. CONVEYER. AUGUST J. REBSTOCK, St. Louis, Mo., assignor to Alvey Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 11, 1921. Serial No. 483,751. 3 Claims. (Cl. 198—181.)



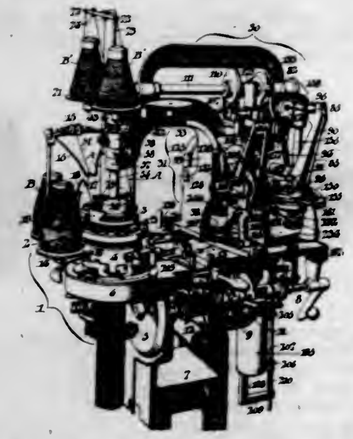
1. A conveyer comprising spaced side rails and spaced guide members located therebelow, a chain running between said guide members, rollers journaled on said side rails, article supporting devices movable thereover, and means for connecting said article supporting devices with said chain, said means comprising U-shaped straps having their web portions secured to said chain and having their branches secured to the under sides of said article supporting devices.

1,505,972. HORN FOR TALKING MACHINES. BAGSTER ROADS SEABROOK, Mishawaka, Ind. Filed June 17, 1918, Serial No. 240,475. Renewed June 20, 1924. 5 Claims. (Cl. 181—27.)



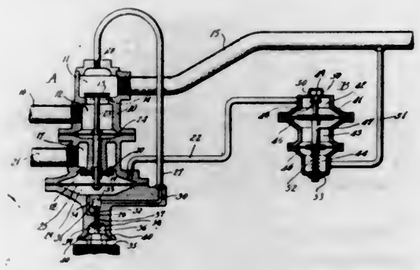
1. An amplifying horn body formed of a porous paper-like material of approximately uniform thickness having an elbow at its small end, and a coating of cement-like composition placed on the body thicker at the elbow than at the large end of the horn.

1,505,973. KNITTING MACHINE. HEISTER SEIDERS, Reading, Pa. Filed Sept. 12, 1922. Serial No. 587,688. 22 Claims. (Cl. 66—12.)



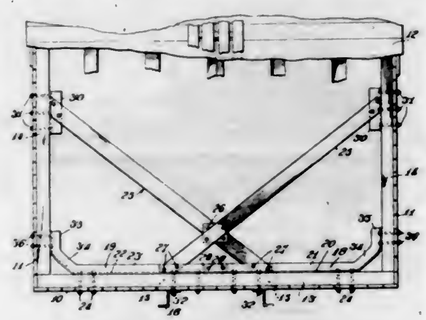
1. A knitting machine comprising a needle cylinder and a main yarn feed, a number of auxiliary yarn feeds, a support for said auxiliary feeds co-axial with the needle cylinder, and independently rotatable means for oscillating the support to cause said auxiliary feeds to supply yarns to definite groups of the needles.

1,505,974. EXHAUST-CONTROL RESERVOIR AND BRAKE VALVE. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 7, 1922. Serial No. 599,512. 32 Claims. (Cl. 303—18.)



1. In a train control apparatus, in combination with the main reservoir and brake pipe of an air brake system, means for opening the brake pipe to exhaust to effect an application of the brakes, and an exhaust control mechanism connected to the said means in the line of exhaust and having connections to the brake pipe and main reservoir to be governed by brake pipe and main reservoir pressures for automatically controlling the said exhaust to effect a predetermined reduction of pressure in the said brake pipe.

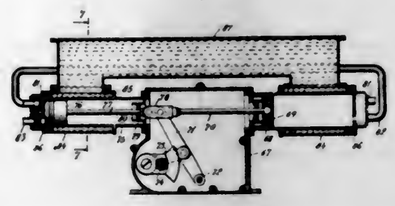
1,505,975. METAL REENFORCEMENT FOR THE WOODEN END WALL OF A RAILWAY BOX CAR. VINTON E. SISSON, Chicago, Ill., assignor to Walter P. Murphy, New York, N. Y. Filed July 30, 1920. Serial No. 400,099. 15 Claims. (Cl. 105—411.)



1. In combination with the wooden end wall of a railway box car, a metal reenforcement for the same comprising substantially upright members on the outside of the end wall, and a transverse brace on the inside of the car composed of two members each of which extends only part way across the end of the car, the inner ends of which are arranged in overlapped relation one above the other, to the extent of more than the distance between the upright members, the upper ends of said upright members being each secured at points one above the other to both the members of said transverse brace.

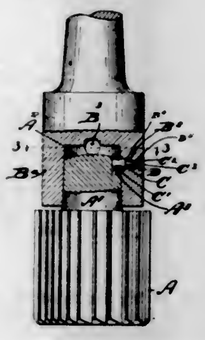
1,505,976. COMPRESSOR. GREGORY JOHN SPOHRER, East Orange, N. J. Filed Nov. 22, 1919. Serial No. 339,986. 2 Claims. (Cl. 230—6.)

1. In a compressor, the combination of a casing having a pair of cylinders connected thereto in oppositely disposed relation, operating mechanism including a pivoted lever within said casing, pistons in said cylinders connected to said lever mechanism, an inlet to and outlet from each cylinder, the outlet from one cylinder being connected to the inlet to the other, a flange on each of



said cylinders, a water jacket surrounding said cylinder, means for holding said jacket in water-tight engagement with said flanges and a common water chamber disposed above and communicating with said jacket.

1,505,977. TOOL HOLDER. ARTHUR STANWORTH, Detroit, Mich. Filed Aug. 30, 1922. Serial No. 585,139. 1 Claim. (Cl. 279—76.)

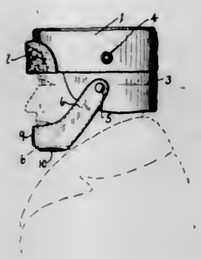


In a device of the character described, a tool holder provided with a socket, the wall of which has a perforation enlarged at its inner and outer ends to form an inner and an outer shoulder adjacent the ends of the perforation, a tool having a shank fitted in the socket of the holder provided with a longitudinal groove extending from the end of the shank, and a pin inserted in the perforation from within the socket and having an enlarged head at its inner end fitting the enlarged inner portion of the perforation with the outer side of the head bearing against the inner shoulder of the perforation to prevent the pin from working exteriorly through the wall of the socket and at its inner side projecting into the groove of the shank of the tool to provide a driving connection between the tool and holder, the outer end of the pin being riveted against the outer shoulder of the perforation to hold the pin against displacement inwardly of the socket.

1,505,978. AVIATOR'S CAP. WARNER D. STETSON, Mount Clemens, Mich. Filed June 6, 1923. Serial No. 643,630. 3 Claims. (Cl. 2—6.)

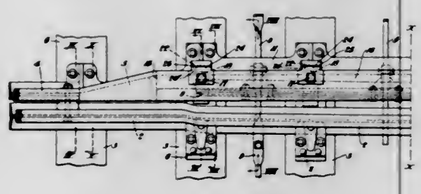
1. An aviator's cap comprising a body portion, a visor attached to the forward side thereof and a flap secured to the lower margin of the body and extending around the back adapted to be turned up or down, a fastener member on opposite sides of the body and a similar fastener member on opposite sides of the flap and on the outer side thereof when turned down, a chin strap formed with a pocket for the chin of the wearer

and a portion extending beneath the chin to the throat, a fastener member at each end of the chin strap adapted to be secured in either of the fastener members upon the



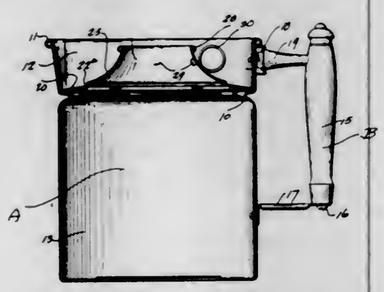
body or flap of the cap, the strap when attached to the fasteners in the body being adapted to fit the upper periphery of the cap.

1,505,979. RAILWAY-TRACK STRUCTURE. HENRY C. STIFF, Johnstown, Pa. Filed Apr. 8, 1924. Serial No. 705,052. 11 Claims. (Cl. 246—435.)



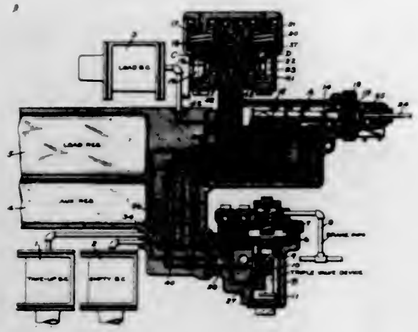
3. A guard rail having its head portion located entirely at one side of the web, and said head being provided with an adjustable section, removably secured to said rail and adjustable transversely of the web.

1,505,980. COOKING UTENSIL. FRANK J. STOLITZKA, Massillon, Ohio. Filed June 8, 1921. Serial No. 476,045. 2 Claims. (Cl. 53—1.)



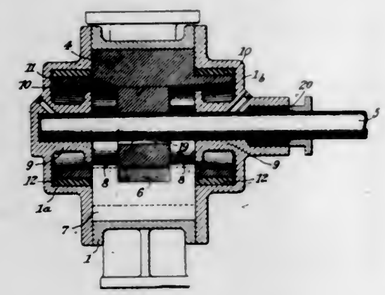
1. A cooking utensil comprising a container, and a detachable member for said container including an outer substantially flat sloping portion provided with circumferential rows of perforations therein, and an upper arcuate sloping portion terminating in a relatively large opening and provided with a circumferential row of perforations adjacent said central opening.

1,505,981. LOAD BRAKE DEVICE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1923. Serial No. 666,595. 6 Claims. (Cl. 303—23.)



1. In a load brake apparatus, the combination with a plurality of brake cylinders, of a spring and a valve device subject to the opposing pressure of said spring and one brake cylinder for controlling the supply of fluid under pressure to another brake cylinder.

1,505,982. ROTARY PUMP. WILLIAM F. TRAUDT, Buffalo, N. Y., assignor to Taber Pump Company, Buffalo, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 477,927. 3 Claims. (Cl. 103—136.)

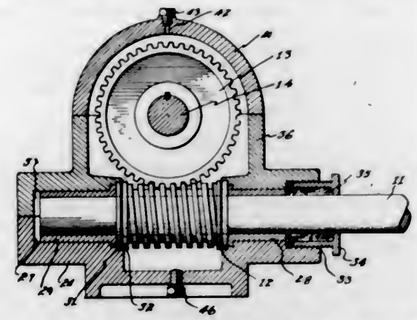


1. In a rotary pump, or the like apparatus, comprising a cylindrical casing, a cylindrical rotor mounted eccentrically in said casing, on a shaft extending out through one head of the casing, suitable valves mounted in radial slots in said rotor, and a pair of spacing rings for said valves floating between the rotor and the casing, the combination, with said apparatus, of a pair of ring-shaped bearings in said casing of considerably larger diameter than said shaft but concentric therewith and journals on said rotor adapted to project into and revolve in said bearings.

1,505,983. WORM-GEAR ASSEMBLY. HOWARD E. VAN ALSTYNE, Detroit, Mich., assignor to Miller-Seldon Electric Company, Detroit, Mich. Filed Aug. 29, 1921. Serial No. 496,358. 3 Claims. (Cl. 74—56.)

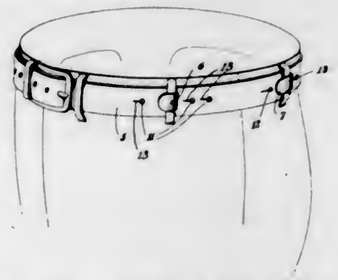
1. A gear wheel assembly including a worm gear and shaft, a spur gear and shaft angularly disposed with

reference to the worm gear shaft, a tri-partite sectional casing enclosing said gears and having cooperating semi-



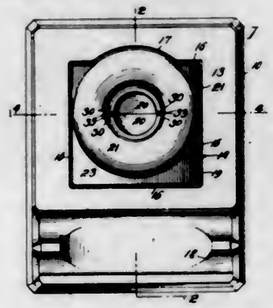
cylindrical portions forming journal seats for said shafts, and a single set of fastening bolts arranged to secure the casing sections and the gear shafts in position.

1,505,984. BELT. KAUFMAN RICHARD WALLACH, New York, N. Y. Filed Dec. 6, 1922. Serial No. 605,169. 2 Claims. (Cl. 241—9.)



1. A belt having a plurality of holes spaced along the belt in position to lie adjacent the belt straps of a pair of trousers and hooks attachable to the belt by engagement with selected holes and arranged to engage the belt straps of the trousers to draw the trousers tight around the back of the wearer.

1,505,985. INKSTAND. FRANK A. WEEKS, Plainfield, N. J. Filed Feb. 20, 1924. Serial No. 694,033. 5 Claims. (Cl. 120—68.)



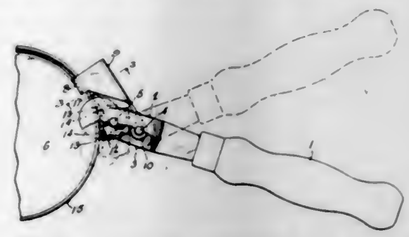
1. An inkstand comprising a base having an inkwell therein and a recess surrounding the upper edges of said well and extending laterally therefrom, and a removable cover adapted to said recess and comprising a base-member having an elevated central portion containing a vertical opening and bearing-recesses at opposite sides of the upper portion of said opening, tiltable closure sections having side trunnions mounted in said bearing-recesses and suspended within said opening and an outer hollow ring-member encompassing said elevated portion and at the lower edge of its sides engaging said base member and at its upper portion being extended over and engaging the top of said elevated portion around the opening therein and closing the upper ends of said recesses.

1,505,986. GARMENT. ROSA R. WELLSTATTER, New York, N. Y. Filed Aug. 4, 1920. Serial No. 401,254. 3 Claims. (Cl. 2—213.)



1. In combination, a nether garment having a leg member, and an endless band to encircle the leg to form a hose supporting member, the leg member having its dimensions substantially larger than the hose supporting member whereby a loose leg effect is produced, the lower end of said leg member and the hose supporting member having coacting elements, so arranged that when they are interengaged the material of the leg member is held against the leg with the material in folds so as to give a bloomer effect.

1,505,987. CAN OPENER. CHARLES P. WETMORE, Milwaukee, Wis., assignor to Wetmore-Gibbons Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 20, 1923. Serial No. 669,703. 6 Claims. (Cl. 30—3.)

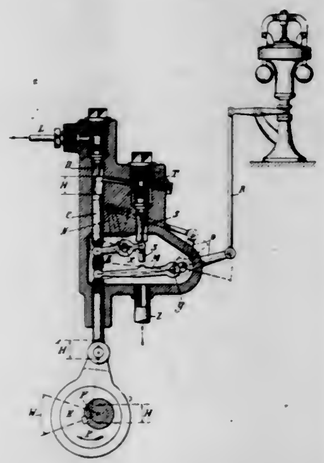


1. In a can opener the combination of a handle having a forked end provided with cross pins between the fork arms, a blade having an outwardly and downwardly extending shank which is pivoted on one of the cross pins, and a dog pivoted on the other pin nearer the free ends of the fork arms and provided with teeth adapted to engage the side of the can when the blade is thrust through the can cover into operative position.

1,505,988. INTERNAL-COMBUSTION ENGINE. HANS WIEDERKEHR, Zurich, Switzerland, assignor to Firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Filed Oct. 2, 1922. Serial No. 591,953. 3 Claims. (Cl. 123—140.)

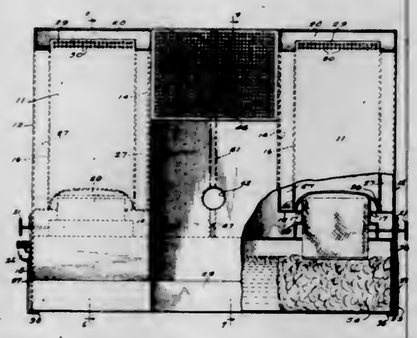
1. In a fuel pump for internal combustion engines, the combination of a cylinder, its plunger, a fuel supply, a valve controlling the connection between said fuel supply

and said cylinder, a lever operating in unison with said plunger and controlling said valve to determine the beginning of the pressure stroke, a second lever operating in unison with said plunger and controlling said valve to



determine the end of the pressure stroke and means adapted to alter the stroke of said levers so that the beginning as well as the end of the pressure stroke is altered.

1,505,989. HEATING DEVICE. ROBERT WALTON WIEDERWAX, Atlantic City, N. J., assignor, by direct and mesne assignments, to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed July 29, 1921. Serial No. 4oo,443. 11 Claims. (Cl. 126—350.)

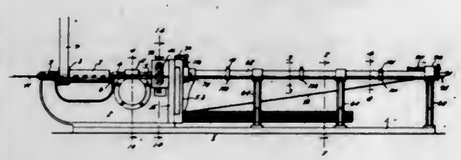


1. A device for heating the cooling systems of motor vehicles comprising a casing adapted to be arranged on the radiator, said casing being provided with burner receiving sections arranged at each side, burners mounted in said sections, and a central chamber arranged between said burner receiving sections, said central chamber being provided with openings to permit passage of air into said chamber and thence to the bottom of said burner receiving sections.

1,505,990. PASTE FOR STORAGE BATTERIES. THEODORE A. WILLARD, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Feb. 4, 1920. Serial No. 356,287. Renewed Dec. 26, 1923. 5 Claims. (Cl. 204—29.)

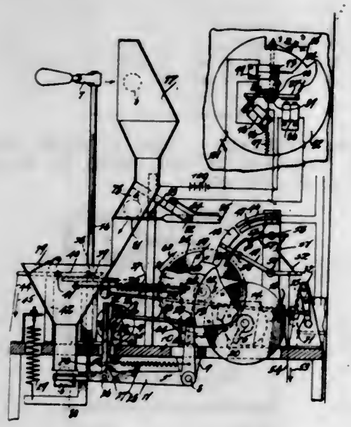
3. A paste for storage batteries comprising active material in which is incorporated a vegetable substance free of free cellulose.

1,505,991. AUTOMATIC WIRE STRAIGHTENING AND CUTTING-OFF MACHINE. EARL H. WISEMAN, Cleveland, Ohio, assignor, by mesne assignments, to The F. B. Shuster Company, New Haven, Conn., a Corporation. Filed Apr. 11, 1921. Serial No. 460,419. 18 Claims. (Cl. 140—140.)



1. In a wire working machine, the combination of a grooved element, a fixed tubular member to rotatably support said element and which closes the groove of the element throughout its length when the element is in wire receiving position, a guide member through which the wire is fed to the groove of the element, a cutter cooperating therewith and movable with the element, and means for moving the element when a length of wire has been advanced into its groove.

1,505,992. AMUSEMENT DEVICE. SAMUEL L. ADELSON, New York, N. Y., assignor of one-half to Phil Addison, Rockaway Beach, N. Y. Filed Feb. 18, 1922. Serial No. 537,410. 17 Claims. (Cl. 46—59.)

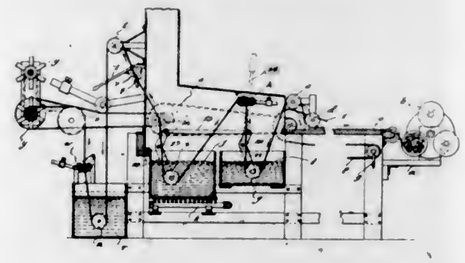


1. In a game apparatus, a movable device to retain a ball, mechanical means to actuate the ball retaining device to cast the ball, a batting device, means to manually control the operation of the batting device to strike at a cast ball, and means automatically operable by the actuating means for the ball retaining means to vary the speed at which the ball is cast, after each casting movement of the retaining means.

1,505,993. ELECTROLYTE FOR STORAGE BATTERIES. EDGAR A. BARKALOW, Kokomo, Ind., assignor of one-half to Orris J. Hollowell, Kokomo, Ind. Filed Apr. 21, 1923. Serial No. 633,785. 4 Claims. (Cl 204—29.)

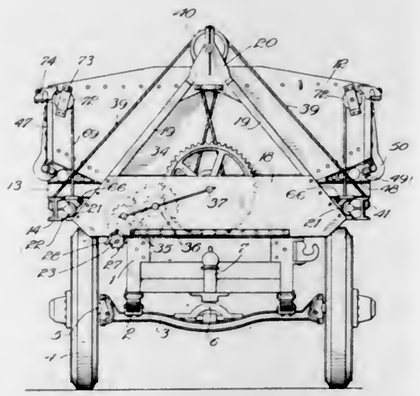
4. An electrolyte comprising sulphuric acid, corn starch, calcium sulphate, formaldehyde and water in the proportions and commingled as specified.

1,505,994. TINNING MACHINE. HARRY W. BUNDY, Detroit, Mich. Filed Sept. 15, 1922. Serial No. 588,338. 10 Claims. (Cl. 91—12.6.)



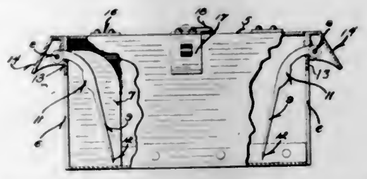
1. In a machine for the purpose specified, the combination of a soldering bath, a pair of width sizing rolls located adjacent to the soldering bath, and means for propelling a strip of metal through the soldering bath and through the sizing rolls.

1,505,995. DUMPING VEHICLE. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, a Corporation of Wisconsin. Filed Aug. 23, 1920. Serial No. 405,216. 3 Claims. (Cl. 298—13.)



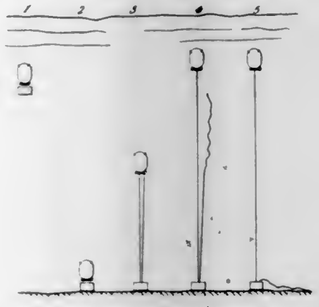
1. In a vehicle of the character described, a supporting frame, and a side dumping body thereon arranged to be laterally movable toward either side to dump on either side of the vehicle, a two-way cable-winding drum having means forming a partition between the two ways thereof, said partition having an opening therethrough, and a single-length cable attached at opposite ends to opposite sides of the body and lying intermediate its ends in said opening with the two halves of the length thereof arranged to wind oppositely in said ways so that one end is drawn in or paid out as the other end is paid out or drawn in.

1,505,996. ANIMAL TRAP. WILLIAM H. DROUGHT, Watertown, Wis. Filed Jan. 3, 1922. Serial No. 526,626. 1 Claim. (Cl. 43—66.)



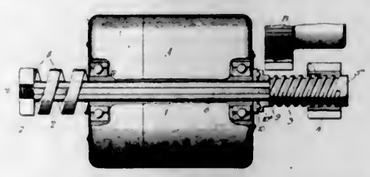
An animal trap comprising a casing having an entrance opening therein, a pivot pin located above said opening, a plurality of prongs independently pivoted adjacent each other upon said pin, a shield positioned above said pivot pin, each of said prongs having a curved end portion in which said pivot pin is mounted, a straight portion extending from said curved portion, and a weight formed integral with said prong at the junction of said curved and straight portions.

1,505,997. SUBMARINE MINE. GIOVANNI EMANUELE ELIA, Westminster, England, assignor to Vickers Limited, Westminster, London, England. Filed Feb. 5, 1924. Serial No. 690,856. 9 Claims. (Cl. 202—3.)



1. A submarine mine comprising a flotation chamber, a sinker, a drum within said sinker, a mooring rope upon said drum said mooring rope connecting said flotation chamber to said sinker, an auxiliary drum within said sinker, an auxiliary line upon said drum, means connecting one end of said auxiliary line to said flotation chamber and automatically acting means for releasing said connecting means for the purpose specified.

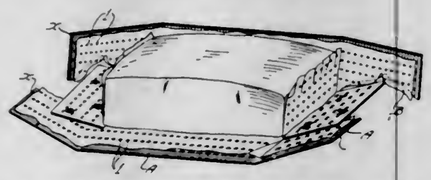
1,505,998. ENGINE STARTER. STEPHEN A. ELLETT, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Mar. 3, 1919. Serial No. 280,313. 3 Claims. (Cl. 290—48.)



1. A drive or transmission for an engine starter comprising, in combination, an electric motor having a hollow rotatable armature shaft, a driven shaft arranged within said armature shaft and having a spline and groove connection therewith for positive rotary movement between the two shafts and a relative longitudinal

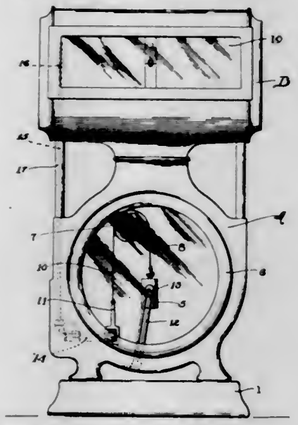
movement thereof, the driven shaft being of such length that its opposite ends project beyond the ends of the armature shaft, a driving member mounted on one of the projecting ends of said driven shaft for longitudinal movement thereof and rotary movement therewith, and resilient means positioned on the opposite projecting end of said driven shaft for resisting longitudinal movement of the same in one direction.

1,505,999. CARDBOARD CONTAINER. EDWARD G. GEREKE, St. Louis, Mo. Filed Apr. 24, 1922. Serial No. 556,161. 2 Claims. (Cl. 53—6.)



1. A baking utensil composed of an outer shell constructed of flexible cardboard, and a flexible paper inner lining arrang d in engagement with the inner side of said shell and connected to same by means which permits said inner lining to separate from the shell when the utensil is subjected to heat, the side wall portions of said shell and inner lining having aligned perforations.

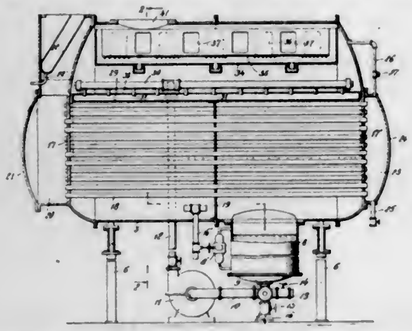
1,506,000. WEIGHING SCALE. CLARENCE H. HAGGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 7, 1921. Serial No. 442,954. 5 Claims. (Cl. 265—70.)



1. In a weighing scale, in combination, a lever, a platform supported thereby, a counterpoise operative connection between said lever and said counterpoise, a spiral member interposed in the connection between said lever and said counterpoise whereby the leverage of said counterpoise changes with the position of said lever, and indicating mechanism operatively connected to said lever.

1,506,001. FILM EVAPORATOR. BURTON S. HUGHES, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a Corporation of Maine. Filed July 5, 1919. Serial No. 308,899. 6 Claims. (Cl. 159—13.)

2. In an evaporator, the combination of a shell, a nest of heating tubes within the shell, means for supplying a heating medium to the tubes, means for distributing a liquid to be evaporated over the tubes, and means surrounding the tubes and providing a confined space to cause the vapor formed from the liquid to follow the direction of flow thereof in contact with the liquid during a portion of its downward travel, said means being spaced from the wall of the shell to provide a



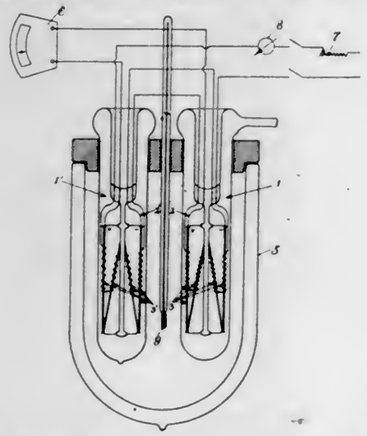
surrounding space in which the vapor is permitted to pass in the contrary direction out of contact with the liquid after separation therefrom.

1,506,002. CANE-CRUSHING APPARATUS. HENRY HURTER, St. Louis, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 20, 1923. Serial No. 633,350. 3 Claims. (Cl. 100—47.)



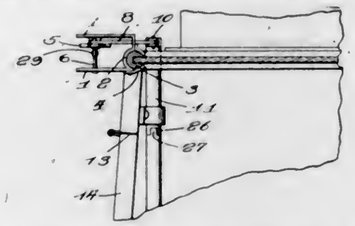
1. In a cane-crushing apparatus, a primary crusher comprising a pair of crushing rolls, and a second crusher comprising a pair of crushing rolls arranged in advance of the primary crusher and adapted to receive the cane passing therefrom, the rolls of said primary crusher being of greater diameters than the rolls of said second crusher.

1,506,003. THERMOCOUPLE MANOMETER. KAZUO KAMBAYASHI, Kuze-gun, Japan. Filed Apr. 29, 1921. Serial No. 465,552. 3 Claims. (Cl. 175—183.)



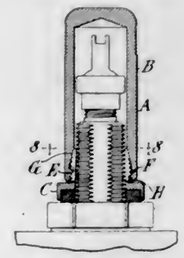
2. A thermo-couple manometer, comprising a pair of bulbs, each provided with a thermo-couple and a heating coil wound around and insulated from said couple, the heating coils of the bulbs being connected in series and the thermo-couples in opposition.

1,506,004. SIGNAL FOR AUTOMOBILES. KURT KOENIGSBERG, Seattle, Wash. Filed Jan. 26, 1923. Serial No. 615,084. 6 Claims. (Cl. 116—52.)



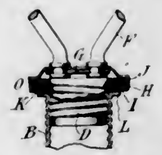
1. The combination with an automobile, of a signal arm therefor, and an operating rod for actuating the signal arm, said rod including a movable section normally serving as a locking means for a door.

1,506,005. DUST CAP OR THE LIKE. HENRY P. KRAFT, Ridgewood, N. J. Filed Oct. 7, 1919. Serial No. 329,089. 3 Claims. (Cl. 152—12.)



3. A dust cap or the like comprising a foot portion and a cap portion non-separably connected therewith and adapted for only limited relative movement thereto, the foot portion having flats adapted to engage the flats of a tire valve and spring arms adapted to be forced into contact with said tire valve by a wedging surface on the cap portion when the latter is rotated.

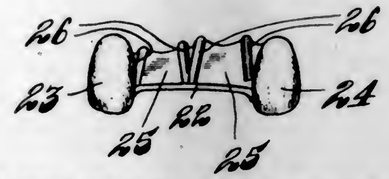
1,506,006. WATER-BOTTLE STOPPER. HENRY P. KRAFT, Ridgewood, N. J. Filed Apr. 20, 1921. Serial No. 463,010. 1 Claim. (Cl. 150—8.)



A stopper of the class described, having a body portion and a top portion formed of sheet metal, the top portion having a flat flange and the body portion having a flat flange, the flange on the top portion being turned beneath the flange of the body portion to provide an overlapping interengagement therebetween, and the overlapping portion of the resulting flange being turned down to form with the wall of the body portion, a recess for the packing washer.

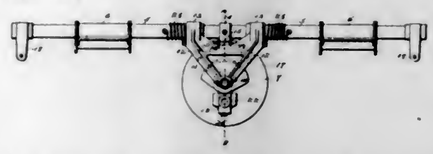
1,506,007. ARTIFICIAL-TOOTH MOUNTING. HUGO H. KRAUS, Chicago, Ill. Filed May 10, 1917. Serial No. 167,766. 2 Claims. (Cl. 32—12.)

1. An artificial tooth mounting comprising a bridge, socket in the face of the bridge, securing flanges on the sides of said socket intermediate the bottom and outer edges thereof, a tooth slidably fitting said socket and provided with grooves fitting said flanges and abutment on said tooth contacting with the bridge, the abutting



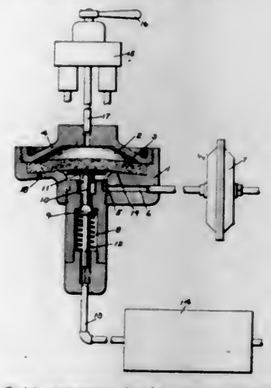
faces thereof being in the path of the greatest pressure and at substantially right angles thereto, substantially as described.

1,506,008. SELF-LOCKING RUDDER BAR FOR AIRCRAFT. ISAAC MACHLIN LADDON, Dayton, Ohio. Filed May 11, 1923. Serial No. 638,250. 9 Claims. (Cl. 244—29.)



1. A self-locking rudder bar for aircraft comprising a stationary base, a rudder bar mounted for pivotal movement on said base and capable of a rocking movement about its longitudinal axis, and rudder bar locking means between the rudder bar and base, said locking means being thrown into and out of operation by such rocking movement of the rudder bar.

1,506,009. FLUID-PRESSURE BRAKE. GEORGE S. LANE, San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 23, 1922. Serial No. 570,372. 6 Claims. (Cl. 303—28.)

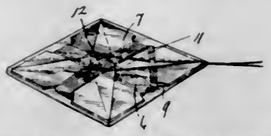


1. In a fluid pressure brake, the combination with a brake cylinder, of an application and release valve device comprising a casing containing a flexible diaphragm, a valve operated by said diaphragm for controlling the supply of fluid to the brake cylinder, and an exhaust port for controlling the release of fluid from the brake cylinder, said diaphragm acting as a valve to open and close said port.

1,506,010. BEAD STRINGER AND PACKAGE. SAMUEL LAPIN, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,278. 2 Claims. (Cl. 206—46.)

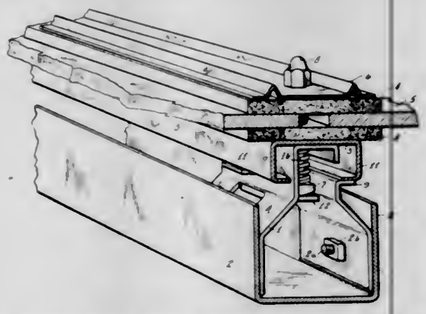
1. A package of the class described comprising a card notched at its sides and ends, a length of thread or silk

having its ends stiffened, wound in two directions on the card between the notches, a transparent wrapper en-



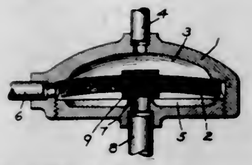
closing the card and the thread or silk, the stiffened ends extending beyond the card and the wrapper to facilitate opening of the package.

1,506,011. SKYLIGHT STRUCTURE. GOTTFRID C. LAWSON, Cleveland, Ohio. Filed June 22, 1922. Serial No. 570,146. 5 Claims. (Cl. 108—16.)



1. A sheet metal chair substantially U-shaped in transverse cross section having bed supporting portions struck outwardly from each side thereof.

1,506,012. QUICK-RELEASE VALVE. LLOYD V. LEWIS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1921. Serial No. 507,502. 4 Claims. (Cl. 251—119.)



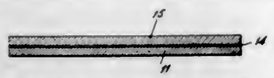
1. A quick release valve device comprising a casing and a flexible resilient disk mounted in said casing and having a centrally arranged seat for controlling a release port and having the central seat portion of the disk weighted to thereby increase the inertia of the disk.

1,506,013. WATER-RESISTANT GLUE. ALFRED C. LINDAUER and GEORGE M. HUNT, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Nov. 7, 1923. Serial No. 673,339. 2 Claims. (Cl. 87—17.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A glue the composition of which consists essentially of animal glue, water and paraformaldehyde.

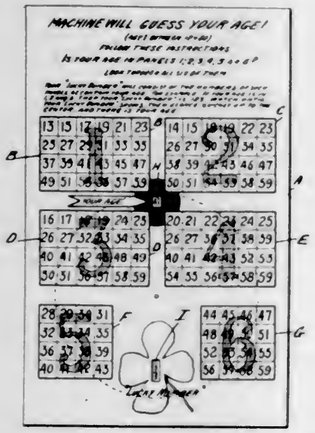
1,506,014. DECORATED BODY AND PROCESS FOR MAKING SAME. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Nov. 28, 1922. Serial No. 603,887. 9 Claims. (Cl. 18—59.)

1. Decorated material comprising an opaque base, a layer of divided lustrous scale material adherent to said base, a transparent plastic sheet covering said material and firmly united to said base through spaces between the particles of lustrous material, said particles having visible faces which extend approximately in the same gen-



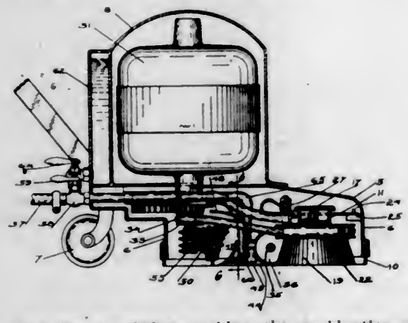
eral direction along a smooth surface and said particles being so spaced that said material when viewed through said sheet has the appearance of a continuous lustrous surface.

1,506,015. PUZZLE DEVICE. SAMUEL LOYD, Brooklyn, N. Y. Filed Apr. 4, 1923. Serial No. 629,772. 11 Claims. (Cl. 46—41.)



1. In a puzzle device embodying, in combination, a plurality of tables each comprising a series of symbols and each table being individually identified with an index symbol, a relatively stationary member having a pair of exposure openings therethrough and a member movable at one side of said stationary member and having inscribed thereon two rows of symbols, one of which comprises symbols tabulated in said tables and the other of which comprises index symbols indicating the tables in which the tabulated symbols will be found, and means for successively exposing identifiable pairs of such symbols simultaneously.

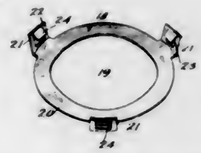
1,506,016. FLOOR-SCRUBBING MACHINE. CARL S. LUNDGREN, Chicago, Ill. Filed July 19, 1919. Serial No. 311,928. 10 Claims. (Cl. 15—52.)



1. In a floor scrubbing machine, the combination with a movable floor-engaging brush, of means for directing a supply of liquid to said brush, a transversely extending liquid-receiving conduit disposed in rear of said brush,

and arranged to direct the liquid from the end portions to the center portion thereof, axially spaced means arranged to transfer the liquid from the floor into the end portions of said conduit, and means operating at the central portion of said conduit and disposed between said axially spaced means to remove the liquid therefrom.

1,506,017. VANITY BOX. ALBERT C. LUSHER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 7, 1923. Serial No. 623,348. 6 Claims. (Cl. 132—82.)



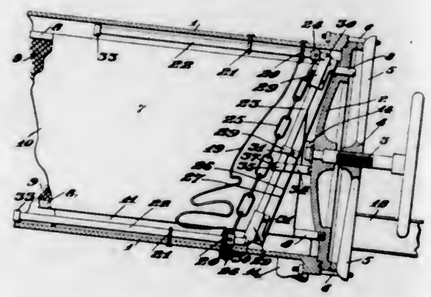
3. In a box of the character described, the combination of bottom and cover members, an interior shoulder formed on the bottom member, a compact holder having a side recess, and a plate having outwardly extending projections arranged to spring under the shoulder and projections extending oppositely thereto at an acute angle and engaging the recess.

1,506,018. PLUNGER FOR GREASE GUNS. KENT E. LYMAN, Cleveland, Ohio. Filed Aug. 6, 1921. Serial No. 490,244. 6 Claims. (Cl. 74—108.)



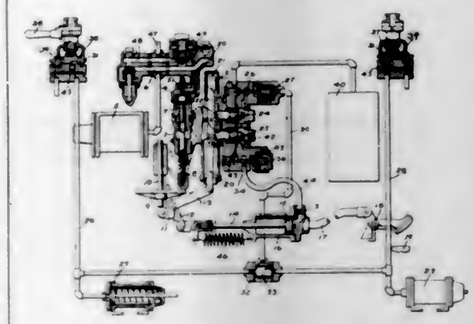
1. In a plunger for grease guns and the like, the combination of a washer, the washer being constructed of resilient material and being convex, the washer having a flange, and the flange being slotted, substantially as described.

1,506,019. FILTER. CHARLES L. MCCARTY, East St. Louis, Ill., assignor, by direct and mesne assignments, of one-sixth to William H. Horner and one-sixth to Robert W. Sikking, both of East St. Louis, Ill. Filed May 16, 1919. Serial No. 297,455. 6 Claims. (Cl. 210—182.)



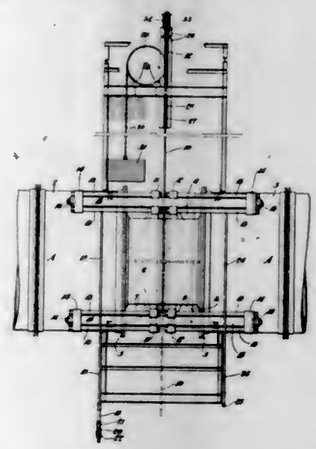
1. In a filter of the character described, a pliable element supported at its ends in the planes of the top and bottom of the filter element and being normally loose and slack within the container, whereby to be drawn taut in a loop outside of the container by the engagement of the deposit on the filter element as the latter is withdrawn from the container.

1,506,020. VARIABLE-LOAD BRAKE. JOSEPH C. MCCUNE, Orange, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 19, 1923. Serial No. 669,491. 3 Claims. (Cl. 303—22.)



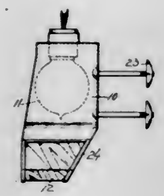
1. In a variable load brake, the combination with means for adjusting the braking power according to the load on the car, of fluid pressure operated locking mechanism for locking said means in its adjusted position, a fluid pressure operated mechanism for connecting up said adjusting means for control according to the load on the car, means including a piston for controlling the fluid pressure for operating said locking mechanism and said connecting mechanism, and fluid pressure means for controlling a car door, said piston being operated by fluid pressure supplied to said car door controlling means.

1,506,021. VALVE. FRANK R. MCGEE, Steubenville, Ohio. Filed Jan. 31, 1924. Serial No. 689,750. 9 Claims. (Cl. 251—51.)



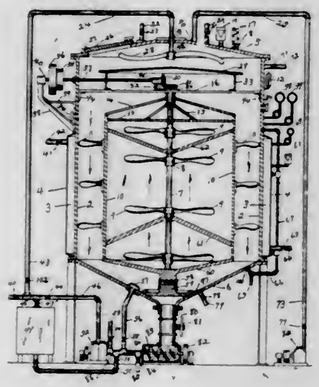
1. The combination with a pipe line, of a plate valve slidably mounted for transverse movement relative to the line, valve seats secured to the pipe line and adapted to contact with said valve, and heat operated means for forcing at least one of said valve seats toward and away from said valve.

1,506,022. LIGHT FOR AUTOMOBILES. ANGUS D. MACFARLANE, Hartford, Conn. Filed Oct. 27, 1922. Serial No. 597,338. 1 Claim. (Cl. 240—7.)



A lamp attachment for the sides of automobile bodies adapted for casting light rays downwardly, forwardly and rearwardly between the front and rear mud guards of an automobile and comprising a casing, having front and rear walls, downwardly diverging side walls, the rear wall of the casing adjacent the lower end thereof being inclined outwardly for projecting the downwardly projected light rays outwardly of the running board, the casing being open at itsl ower side and a lens in said opening.

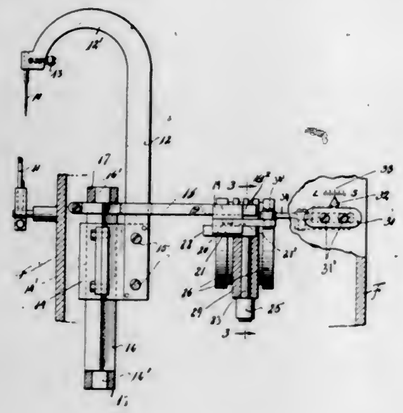
1,506,023. APPARATUS FOR THE STEAM MILLING OF VEGETABLE SUBSTANCES. CHARLES R. MABEE, Buffalo, N. Y. Filed Aug. 16, 1920. Serial No. 403,862. 5 Claims. (Cl. 99—2.)



1. An apparatus for treating vegetable materials comprising a closed cylindrical container, a conveyor centrally located therein and comprising a central shaft upon which are mounted casting rings and blades adapted to exert a lifting action upon rotation, and braces and arms which carry a plurality of plates adapted to direct the material downward upon rotation, positive feeding means for introducing said materials into said container, and means for spraying liquid materials upon said vegetable materials within said container.

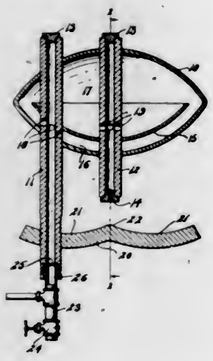
1,506,024. STRAW-SEWING MACHINE. EDWARD J. MALONEY, Long Island City, N. Y., assignor to Andrew Wolf, New York, N. Y. Filed Feb. 3, 1921. Serial No. 442,214. 2 Claims. (Cl. 112—213.)

2. In a stitch forming machine, a double hook needle and means for imparting thereto variable horizontally oscillating movement, said means including a horizontally oscillatory arbor, a needle carrier mounted thereon, so as to oscillate with and be capable of reciprocating



thereon, a cam controlled slide, means for transmitting motion from said slide to said arbor and means for adjusting said slide, so as to vary the stroke of the needle.

1,506,025. BURNER. WILLIAM W. MINTER, St. Joseph, Mo. Filed Sept. 10, 1923. Serial No. 661,987. 6 Claims. (Cl. 158—63.)



1. An oil burner comprising a casing, an inner wall spaced from the bottom of the casing and defining a vaporizing chamber below and a gas chamber above said wall, an inlet pipe extending through the casing and having an opening communicating with the vaporizing chamber, a burner pipe extending through the casing and having an opening communicating with the gas chamber, a burner at one end of the burner pipe and a baffle plate spaced from the burner.

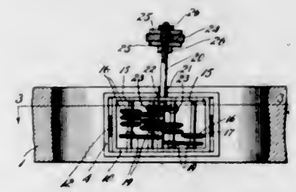
1,506,026. BOTTOM-SUPPORTED CAR DOOR. WALTER P. MURPHY, New York, N. Y. Original application filed May 8, 1920, Serial No. 379,807. Divided and this application filed Apr. 6, 1922. Serial No. 550,140. 14 Claims. (Cl. 189—46.)

6. In combination with a railway car having a door opening, rollers arranged under said door opening, and a door the upper portion of which consists of a single thickness of sheet metal and the lower portion of hol-



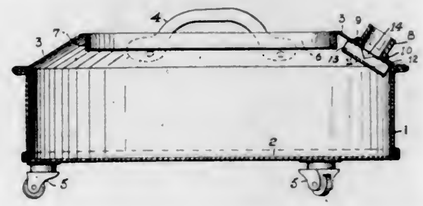
low box-like construction, the bottom of which bears on said rollers.

1,506,027. ADJUSTABLE THREAD SHAPER. FRANK O'BRIEN, Canton, Ohio. Filed May 19, 1923. Serial No. 640,069. 5 Claims. (Cl. 10—1.)



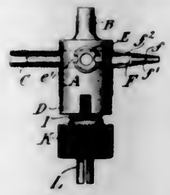
1. A rethreading tool comprising an open frame, disk shaped members mounted in the frame and adapted to engage threads upon a pipe or the like, and a friction roller operatively connected to the disk and adapted to engage the periphery of the pipe for rotating the disk as the tool is rotated around the pipe.

1,506,028. DRAIN PAN. ELLIOTT E. PERRITT, Pittsburgh, Pa. Filed Aug. 7, 1923. Serial No. 656,192. 5 Claims. (Cl. 220—1.)



1. In combination in a drainage pan, a body portion provided with three rollers or casters, an upwardly inclined top open at the center and having the inner edge recurved downwardly at an acute angle downwardly forming an anti-splash flange having its lower edge spaced away from the wall of said top, and an outlet spout extending outwardly from said inclined top at substantially right angles thereto, the said rollers being spaced around the bottom of the pan so that the spout lies midway betwen two of them.

1,506,029. TIRE-VALVE REPAIR TOOL. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y. Filed Nov. 10, 1921. Serial No. 514,254. 4 Claims. (Cl. 7—1.)



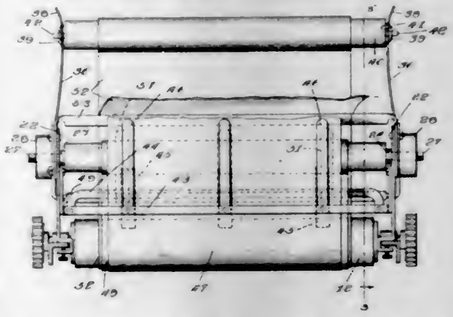
1. A tire-valve repair tool having a body portion comprising among other instrumentalities a die and a part carrying a valve-pin extractor, said part having a threaded portion engaging the threads of the die, and said threaded portion when removed from the die being adapted to serve as a tap to clear the internal threads on a valve cap or valve pump coupling.

1,506,030. WHEELBARROW ARM. IRVING R. SMITH, Wauwatosa, Wis. Filed June 4, 1923. Serial No. 643,344. 5 Claims. (Cl. 280—52.)



1. A wheelbarrow arm formed of sheet metal and bent substantially rectangular in cross section, one end of said arm being bent substantially cylindrical in cross section, a handle adapted to be inserted into said cylindrical end and clamping means for clamping the end of said arm around said handle.

1,506,031. TYPEWRITER ATTACHMENT. ROBERT G. STARKE, Delray, Fla., assignor of one-half to Theodore M. O'Neal, Delray, Fla. Filed Feb. 28, 1923. Serial No. 621,872. 9 Claims. (Cl. 197—134.)

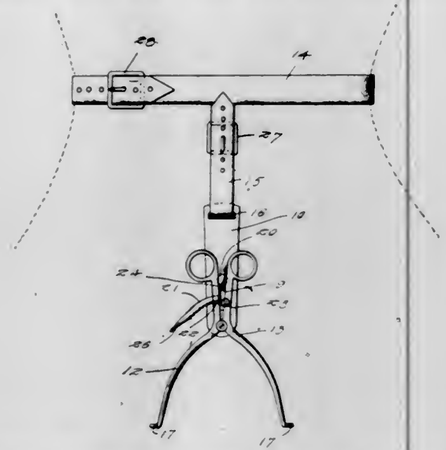


1. An attachment for typewriters comprising end members adapted for engagement with the carriage of the typewriter to be supported thereby, a carbon sheet holding roller and a carbon sheet rewinding roller having their ends supported by said end members for rotation and spring for said rollers tending to rotate the rollers in opposite directions.

1,506,032. SURGICAL INSTRUMENT. JOSEPH L. STEVENS, Stockton, Kans. Filed Aug. 15, 1921. Serial No. 492,285. 2 Claims. (Cl. 128—17.)

1. A surgical instrument for use in performing perineal operations, the same comprising a lever member provided with an intermediate bearing element adapted to be seated upon the pubic bone, dilating forceps pivotally

carried by one end of said lever member, an abdominal belt, a tongue carried by said belt and passing through a slot in the end of the lever remote from that at which the forceps are carried, and said tongue having

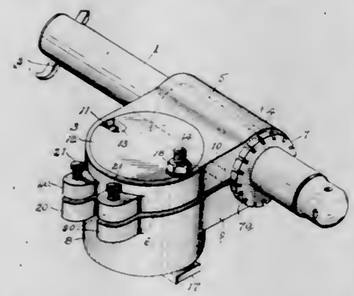


means associated therewith for varying the active length of the tongue, whereby rearward pressure may be applied to the end of the lever member through which the tongue passes.

1,506,033. PROCESS OF PRODUCING MEALY COOKED POTATOES. CHARLES B. TRESCOTT, Chicago, Ill. Filed Apr. 14, 1923. Serial No. 632,138. 3 Claims. (Cl. 99—5.)

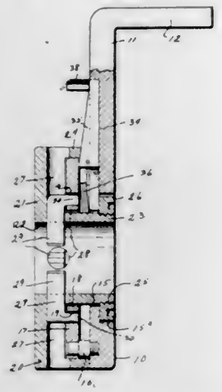
1. The process of rendering boiled potatoes mealy, which consists in subjecting them, while in whole and hot condition and under close confinement, to exhaustion of their contained moisture to the desired mealy-rendering degree of dryness.

1,506,034. BORING-TOOL HOLDER. LUDWIG SWANSON, Detroit, Mich. Filed Aug. 19, 1920. Serial No. 404,565. 7 Claims. (Cl. 82—36.)



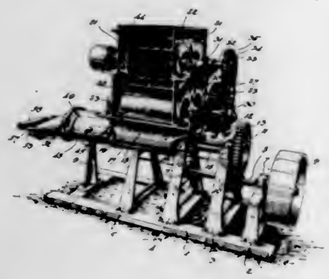
1. A device of the character described comprising a hollow body with the opening in the body extending vertically therethrough, said body being formed with a laterally extending portion providing a tool holding eye with the axis of the eye extending at right angles to the opening through the body, and said body being divided horizontally with the dividing slit extending into the bore of the eye, a circular member seated within the body to permit rotation of the body relative thereto about a vertical axis, and a plurality of securing members extending through the circular member in spaced relation to secure said member against rotation upon a support.

1,506,035. LATHE DOG. ANTON VALTMAN, Bovey, Minn., assignor of one-half to Henry Volke, Bovey, Minn. Filed July 28, 1923. Serial No. 654,376. 7 Claims. (Cl. 82—42.)



1. A universal lathe dog including an apertured cam plate, a slotted plate carried by the cam plate and having an aperture aligning with the aperture thereof, a carrier plate opposing the last named plate and provided in its face with radially extending channels, said carrier plate having tubular means engaging through the apertures of the first named plates permitting relative rotation thereof with relation to the first named plates for preventing separation of the plates, and locking members slidably mounted in the channels of said carrier plate and having angular portions engaging in corresponding slots of said slotted plate.

1,506,036. PEAT MACHINE. CHARLES A. WILLMARTH, Tecumseh, Mich. Filed Sept. 28, 1923. Serial No. 665,340. 7 Claims. (Cl. 44—28.)

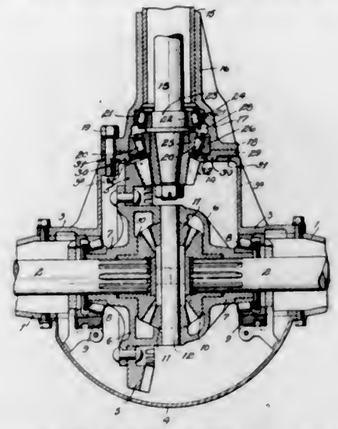


1. In a peat machine, a set of driven crushing rolls, a set of disintegrating rolls above said crushing rolls and discharging into the pass of said crushing rolls, a hopper below said crushing rolls, feed screws in said hopper, and a moulding member at an end of said hopper adapted to receive peat therefrom.

1,506,037. DRIVING-AXLE CONSTRUCTION. HERBERT W. ALDEN and LAWRENCE R. BUCKENDALE, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Michigan. Filed July 5, 1922. Serial No. 572,874. 9 Claims. (Cl. 74—99.)

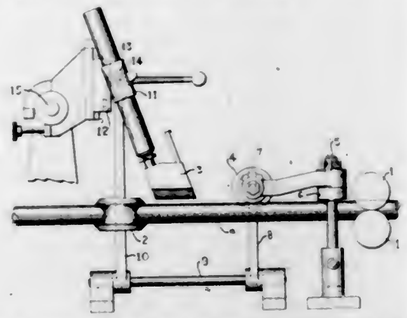
1. The combination with a driving axle comprising a differential mechanism and a propeller shaft operatively connected to said differential mechanism, of a torque tube surrounding said propeller shaft and having one end

removably secured to said driving axle, and a pair of conical roller bearings intervening between said torque tube and said propeller shaft, said torque tube having



internal shoulders forming abutments for the outer ends of said bearings and said propeller shaft having an external shoulder located between the opposed ends of said bearings and forming a spacer and abutment therefor.

1,506,038. AUTOMATIC ADJUSTER FOR TUBE-WELDING MACHINES. JAMES L. ANDERSON, Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1919. Serial No. 334,716. 3 Claims. (Cl. 78—83.)



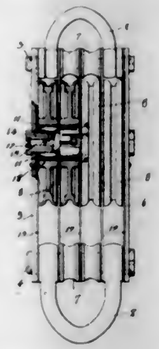
1. In tube-welding apparatus, comprising means for driving and fixed means for holding the tube in transit and a device for heating the traveling edges, a feeler positioned to stand in the open part of the seam, and connections between the feeler and the heating device to cause the latter to follow automatically lateral deviations in the seam due to twisting, the automatic movements of the feeler and heating device being relative to the fixed holding means.

1,506,039. SPRINGING OF VEHICLES. BENJAMIN HAROLD BAKER, Bristol, England. Filed Oct. 8, 1923. Serial No. 667,230. 3 Claims. (Cl. 267—45.)



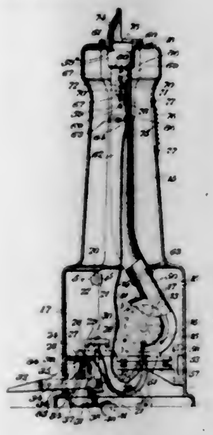
1. A spring device for vehicles comprising a main semi-elliptic spring connected to the chassis of the vehicle, a member carrying the road wheel axle secured to the mainspring, an auxiliary quarter-elliptic spring pivotally mounted at one end to the chassis and the other end engaging said mainspring, and a cam engaging the other end of said auxiliary spring to vary the tension thereon.

1,506,040. WELL-RIG TRAVELING BLOCK. ROBERT D. BANE, Long Beach, and EDWIN W. GOESER, Torrance, Calif.; said Goeser assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed May 19, 1923. Serial No. 640,130. 1 Claim. (Cl. 64—62.)



In a well rig traveling block, the combination with an upper and lower bail and interconnecting side plates, of a rotatable sheave supporting shaft mounted on said side plates, a plurality of spaced diaphragms through which the shaft extends, roller bearing retainer cages mounted on the shaft between the diaphragms and having bearing receiving ways opening at alternate sides of the cages, continuous cylindrical rollers mounted in the cages between the diaphragms, radial ducts extending from the roller bearings to within the shaft and communicating through the shaft for lubricating the roller bearings, and sheaves mounted on the bearings.

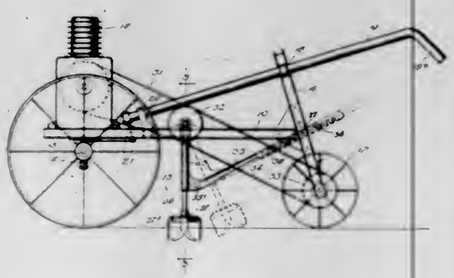
1,506,041. DRYING APPARATUS. JOHN G. BASSETTE and CHARLES D. CORWIN, Groton, N. Y., assignors to Airdry Corporation, Groton, N. Y., a Corporation of New York. Filed Aug. 8, 1922. Serial No. 580,479. 17 Claims. (Cl. 34—26.)



1. A drying apparatus comprising a columnar casing adapted to stand upright upon a floor and having an air inlet adjacent its upper end, said casing having a top wall, a rigid air-discharge nozzle supported on the cas-

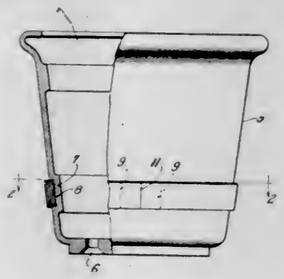
ing and extending through the top wall of the casing, a fan-blower housed within the lower part of the casing, sound-deadening supporting means for said blower mounted on the casing, and a flexible sound-deadening air-conduit connecting the rigid nozzle with the outlet of the blower.

1,506,042. CULTIVATOR. CARL E. BAUER, Hammond, Ind. Filed Nov. 16, 1922. Serial No. 601,285. 6 Claims. (Cl. 97—43.)



1. A cultivator including a frame, a prime mover on said frame adjacent the forward end thereof, a relatively large non-driven ground wheel journaled on the frame and having its axis below said prime mover and adjacent said forward end of the frame, a cultivating means on said frame in the rear of said axis, a ground wheel driven from the prime mover, the latter ground wheel being relatively small with respect to the non-driven ground wheel and supported on said frame in the rear of said cultivating means, and means extending from the frame engageable adjacent the rear of the machine to tilt the latter.

1,506,043. TABLE-LEG SHOE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 18, 1922. Serial No. 588,823. 6 Claims. (Cl. 45—137.)

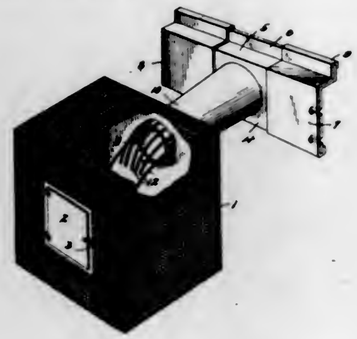


1. A shoe for the leg of a table or other article of furniture having a seat therein in its outer face, and a divided buffer strip located in said seat and having its ends engaged with a side wall of said shoe detachably.

1,506,044. JOINTING COMPOSITION. GEORGE WILLIAM BLAKE and CHARLES EDWARD SHELDON, Biggleswade, England. Filed Feb. 5, 1923. Serial No. 617,114. 1 Claim. (Cl. 106—8.)

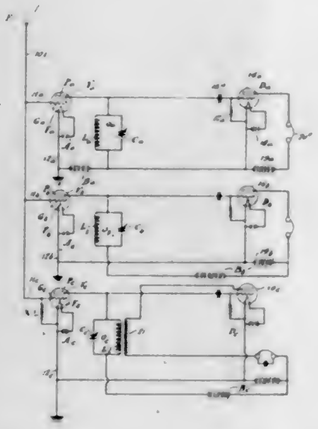
A composition for application to joints of automobile engines comprising a mixture of soft soap and French chalk in the proportion of approximately 10 parts of soft soap to one part of French chalk by weight.

1,506,045. SPARROW TRAP. HENRY BOYER, Milford, Ill. Filed Apr. 18, 1922. Serial No. 554,706. 1 Claim. (Cl. 43—65.)



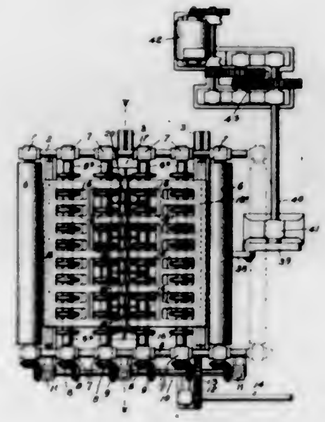
A bird trap comprising a wire cage; a supporting means adapted to engage the frame of a window, a tubular member extended from the supporting means and communicating with the interior of the wire cage at one end and the opposite end open and communicating with the atmosphere; and a non-return means incorporated in the end of the tubular member communicating with the trap.

1,506,046. RADIO RECEIVING SYSTEM. WALTER H. BULLOCK, New York, N. Y., assignor of forty-nine per cent to Frederic W. Procter, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,347. 3 Claims. (Cl. 250—9.)



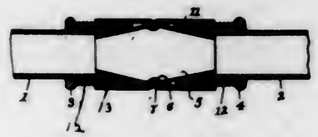
1. A radio receiving system, comprising an energy absorbing circuit, a plurality of three-element electron emission vacuum tubes having their grid and filament elements connected in parallel in said circuit so as to prevent a flow of current in one direction therein, a leakage path between the grid and filament elements of one of said tubes to prevent the grids from acquiring a static negative charge and having a resistance too high to permit radio frequency current oscillations in the energy absorbing circuit, a plurality of oscillatory circuits, one connected between the plate and the filament elements of each of said tubes, separate means for varying the natural period of each of said oscillatory circuits, and a detector associated with each oscillatory circuit.

1,506,047. TURNOVER TABLE. ROBERT N. BRYAN and GEORGE M. MEIGS, Pittsburgh, Pa. Filed Jan. 10, 1921. Serial No. 436,164. 1 Claim. (Cl. 80—48.)



A turning mechanism for rolling mills, comprising a roller table having a plurality of disk conveyer rollers, a pair of plates hinged to the table at approximately the lengthwise center of said table, said plates extending substantially parallel with and below the top face of said roller disks and having apertures therein through which the disks project, lifting means for raising said plates to turn over on said table, said means comprising lifting arms for each of said plates, a pair of rocker shafts journaled in suitable bearings below each of said plates, levers on each of said shafts and pivotally connected to the lower ends of said lifting arms, the levers on one of said shafts being shorter than the levers on the other shaft, and being adapted to raise the lifting arms connected therewith, and the plate connected to said arms a lesser distance than the other longer levers on the other of said shafts, means for rocking said shafts, said means comprising levers having one end secured on said shafts and the other end thereof pivotally secured to a reciprocating connecting rod, said rod being connected to a crank arm on a suitable power driven shaft.

1,506,048. HOSE COUPLING. GEORGE W. CHABETTE, Fort Collins, Colo., assignor of one-half to Hugh Donnan, Fort Collins, Colo. Filed Jan. 15, 1923. Serial No. 612,733. 4 Claims. (Cl. 285—79.)



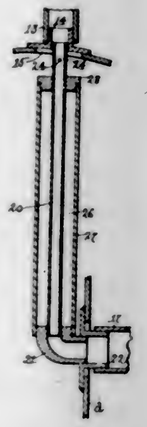
1. A hose-coupling, comprising an internal bracing thimble having reduced ends and a circumferential groove in its center, an external sleeve having a ridge to engage the groove in the internal thimble, and means for holding pipe between the same.

1,506,049. RENEWABLE ELECTRIC FUSE. SEARS B. CONDIT, Jr., Brookline, Mass., assignor to Condit Electrical Manufacturing Company, South Boston, Mass., a Corporation of Massachusetts. Filed June 7, 1919. Serial No. 302,516. 9 Claims. (Cl. 200—132.)



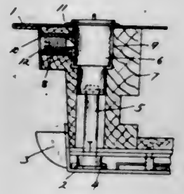
1. A renewable electric fuse of the cartridge type comprising the combination of a tubular enclosing casing, an exteriorly screw-threaded ferrule having an apertured end wall carried by the end of said casing, and an internally screw-threaded end cap having an end wall formed with an aperture therethrough, and a dished pressure plate received in said end cap over the aperture in said end wall and with its periphery in secure frictional engagement with said end cap and having eccentrically disposed gas passages therethrough, said pressure plate arranged to press the end of a fusible element against the end wall of said ferrule.

1,506,050. BOILER. THEODORE W. DAHLQUIST, Dedham, Mass. Filed Mar. 3, 1921. Serial No. 449,309. 2 Claims. (Cl. 126—362.)



2. A boiler provided with an opening in the top thereof and with a nipple secured to the outside of the boiler and covering said opening and adapted for connection to the usual hot water discharge pipe from the boiler, an opening in the side of the boiler and a nipple secured to the boiler and covering such opening and adapted for connection to the usual hot water inlet pipe leading from the heater, and an insulated pipe detachably secured within the boiler, having its lower end inserted into said last-named nipple to form a substantially water-tight joint therewith, and having its upper end extended into said first-named nipple to form a substantially close fit joint therewith, and to thereby directly connect the hot water inlet and outlet pipes leading to and from the boiler and having a small opening therein near the top of the boiler for the purpose specified, said insulated pipe being of a size capable of insertion into the boiler through the first-named opening in the top of the boiler.

1,506,051. DOOR-LOCK INSTALLATION. WILLIAM C. DEVEREAUX, Detroit, Mich. Filed May 7, 1923. Serial No. 637,370. 2 Claims. (Cl. 70—46.)

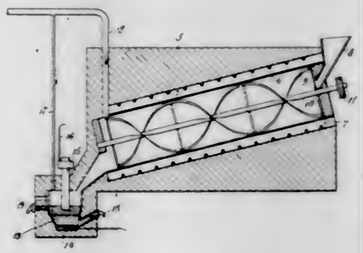


1. The combination with a door having a transversely extending bore and a longitudinally extending bore connecting into the transverse bore, of a lock cylinder in the transverse bore having a serrated outer surface, a bushing having a pressed fit in the longitudinally extending bore, a polygonal flange at one end of the bushing embedded in the wood work of the door, and a screw threadedly engaging the bushing and having a pointed end portion engageable with the serrated portion of the lock cylinder to prevent longitudinal movement thereof.

1,506,052. MANUFACTURE OR TREATMENT OF THREADS OF ARTIFICIAL FILAMENTS. HENRY DREYFUS, London, England. Filed Dec. 19, 1922. Serial No. 681,666. 1 Claim. (Cl. 18—54.)

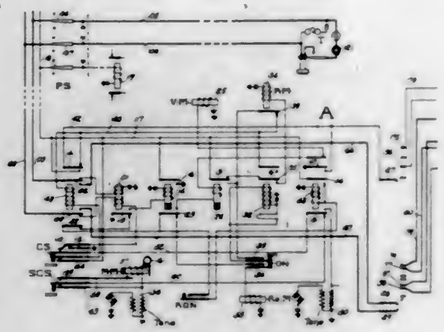
Process for the manufacture or treatment of threads or yarns consisting of or comprising filaments of cellulose acetate or other cellulose esters, ethers or derivatives by the dry or evaporative method of formation, characterized in that an adhesive sizing or dressing is applied to the threads or yarns as a combined operation with their production and winding with or without cap or other twisting, the size or adhesive agent or preparation being applied to the travelling threads or yarns of associated filaments.

1,506,053. METALLURGY OF TIN. COLIN G. FINK, Yonkers, N. Y., assignor to Guggenheim Brothers, a Copartnership of New York, N. Y. Filed Mar. 17, 1921. Serial No. 452,951. 10 Claims. (Cl. 75—17.)



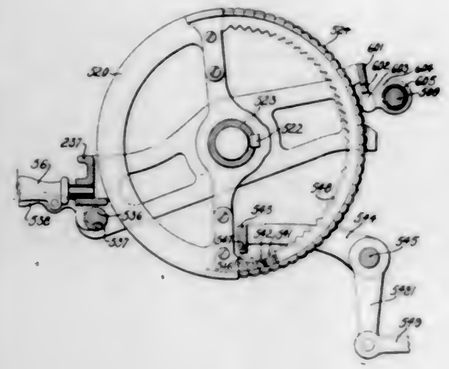
1. A metallurgical process for the treatment of tin ores, concentrates, or other appropriate tin-containing material, which comprises heating the tin-containing material to an elevated temperature but below the fusing temperature of the non-metallic constituents of the charge, and bringing an externally prepared gaseous reducing agent into intimate contact with the thus-heated material and thereby reducing the compounds of tin to metallic tin without fusion of the non-metallic constituents of said material.

1,506,054. TELEPHONE SYSTEM. HERBERT M. FRIENDLY, Portland, Oreg. Filed May 20, 1921. Serial No. 471,165. 77 Claims. (Cl. 179—27.)



1. In a selector adapted to automatically busy-test for the first idle trunk of a group, means to cause its wipers to pass over all trunks of a group being tested regardless of the busy or idle state thereof if control impulses are applied to the selector while it is in the process of said testing.

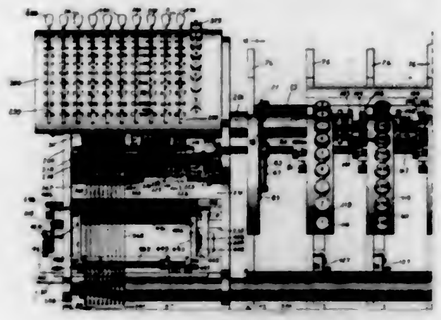
1,506,055. TICKET-PRINTING MECHANISM. FREDERICK L. FULLER, Hion, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Original application filed Mar. 23, 1916, Serial No. 86,088. Divided and this application filed Aug. 13, 1921. Serial No. 491,968. 28 Claims. (Cl. 101—66.)

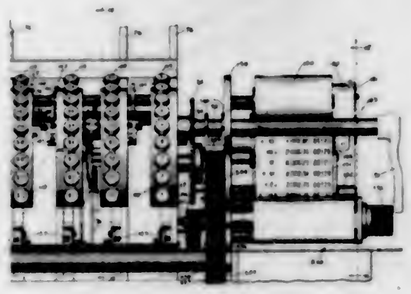


1. In a machine of the class described, the combination of a printing platen, a drum mounted for endwise and rotative movement, a plurality of printing devices mounted in parallel rows on the periphery of the drum, independent manipulative means for rotating the drum and moving the drum endwise, said manipulative means being operable singly or simultaneously to bring any desired printing device into position to cooperate with the platen.

1,506,056. CASH REGISTER. MAXIMILIAN M. GOLDBERG, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed June 21, 1920. Serial No. 390,378. 27 Claims. (Cl. 164—111.)

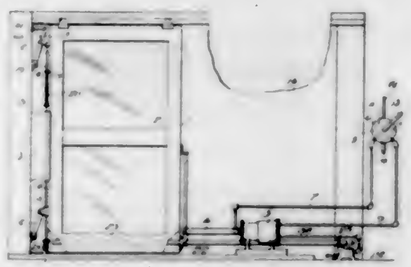
1. In a machine of the class described, the combination of a plurality of manipulative devices, a plurality of series of punches for producing a perforated record, a plurality of slides having projections thereon for moving said punches, and means connected to said slides





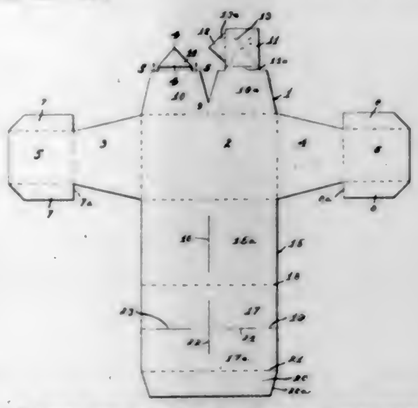
and said devices and moved by the devices to position the slides to select the proper punch or combination of punches to be moved.

1,506,057. DOOR-CONTROL APPARATUS. ALBERT GOTTSCHALK, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Apr. 1, 1921. Serial No. 457,595. 8 Claims. (Cl. 268—8.)



1. The combination with a door, and an operating motor therefor, of a collapsible shoe supported at the front edge of the door, a slide rod, means on said door on which said rod is pivotally supported intermediate its ends, means for rocking said rod about its pivotal support when said door shoe is collapsed, and a motor control device actuated by said rod when rocked, and means for preventing the actuation of said motor control device after said door has completed its movement towards closed position.

1,506,058. NONMUCILAGE SELF-SEALING ENVELOPE. PETER THOMAS GRIFFIN, Van Zandt, Wash. Filed Apr. 28, 1922. Serial No. 557,082. 3 Claims. (Cl. 229—84.)



1. A non-mucilage self-sealing envelope comprising a body having end and side flaps, said end flaps having heads at their outer ends equipped with side wings, one of said side flaps having a locking head, the other being extended and foldable to form superposed layers, said layers having registering transversely extending slits, to receive the winged heads of said end flaps, a pocket formed between said layers and having a slit in its bottom to receive the head of the other side flap and interlockingly hold it whereby the envelope is sealed.

1,506,059. GARMENT POCKET. LYMAN P. HAMMOND, New York, N. Y. Filed Apr. 8, 1924. Serial No. 704,909. 4 Claims. (Cl. 2—247.)



1. In overalls or the like, a rear outside pocket consisting of an upper patch portion secured at opposite sides only to the garment body, and a lower pouch portion forming the bottom of the pocket and movable relative to the garment body at the bottom.

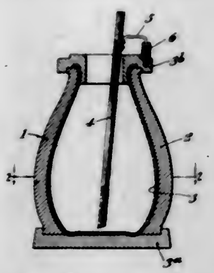
1,506,060. PROCESS FOR MANUFACTURING CAST ARTICLES. WILLY HENKER, Neukolln, near Berlin, Germany. Filed Dec. 6, 1921. Serial No. 520,460. 4 Claims. (Cl. 18—488.)

1. Process of manufacturing cast articles consisting in mixing on the one hand sand which contains finely divided metal and on the other hand magnesite (carbonate of magnesit) with divided sulphur, heating the first mixture up to the melting point of the sulphur and the second to a temperature considerably above said point, bringing the two meltings together and allowing the molten mass to solidify by cooling.

1,506,061. METHOD OF MOLDING HOLLOW OBJECTS. WILLY HENKER, Berlin, Germany, assignor to Art Industries, Inc., a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,957. 5 Claims. (Cl. 18—58.)

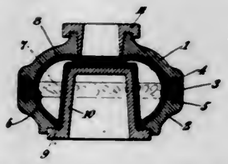
1. The process which comprises molding an object by pouring a molten material into a mold while avoiding

splashing of the molten material against the walls of the mold by introducing the molten material into the



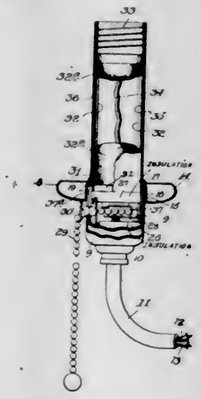
mold with a guiding means approaching the bottom of the mold, and pouring out the remainder of the liquid when the outer portion thereof has hardened.

1,506,062. METHOD OF MOLDING HOLLOW OBJECTS. WILLY HENKER, Berlin, Germany, assignor to Art Industries, Inc., a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,958. 12 Claims. (Cl. 18—58.)



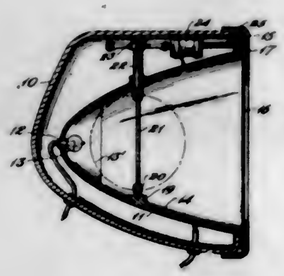
1. The proces which comprises molding an object by pouring a molten material into a mold having a core, pouring out molten material therefrom to leave a hollow space when some of the molten material has hardened to form external and internal walls, then closing the mold to prevent the escape of the molten liquid remaining therein and allowing the same to harden to close the hollow space.

1,506,063. ELECTRIC CANDLE-SOCKET STRUCTURE. MAX HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Nov. 10, 1920. Serial No. 423,026. 9 Claims. (Cl. 240—52.)



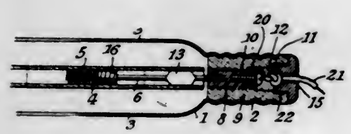
1. In a device of the character described, a switch assembly, an inner tube permanently assembled therewith, a supporting cup member enclosing said switch assembly, a locking ring member interlocking with said cup member, one of said members having a slot, a portion of said switch projecting through said slot and retained by coaction of said members, and an outer, candle, tube freely slidable on said inner tube and telescoping with said ring.

1,506,064. HEADLIGHT DIMMER. KERON J. HOLLAND and GATUS D. WEBB, Joliet, Ill. Filed Feb. 24, 1923. Serial No. 621,047. 3 Claims. (Cl. 240—41.)



1. In an automobile headlight, a parabolic reflector having a central portion of high reflective power adapted to reflect practically all light impinging upon it, an outer portion adapted to reflect light impinging upon it in a softened and diffused manner, and a softening and diffusing screen of greater diameter than the central portion and of less diameter than the outer portion of the reflector, said screen being mounted in said reflector between the focus and the open end of the reflector and arranged to swing between a position at right angles to the axis of the reflector and a position edgewise to the light from the central portion of said reflector.

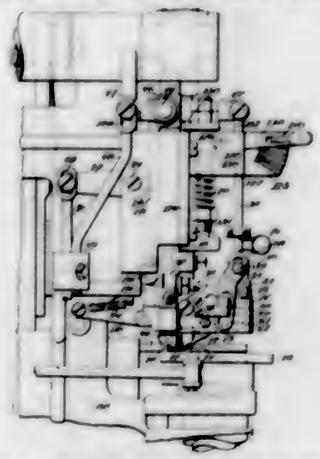
1,506,065. ELECTRIC HEATER AND ITS MODE OF MANUFACTURE. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Jan. 26, 1922. Serial No. 531,956. 63 Claims. (Cl. 219—63.)



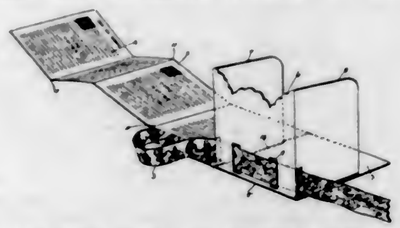
1. An electric heater comprising a metallic shell, a refractory lining therefrom and a heating coil extended through said lining under maintained longitudinal tension and free from longitudinal obstruction in the lining.

1,506,066. STOCK-FITTING MACHINE. ALBERT E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 14, 1919. Serial No. 289,879. 47 Claims. (Cl. 12—27.)

14. A stock fitting machine having, in combination, a work support, a lip forming knife, a knife carrier movable toward and from said support, a spring for yieldingly urging the carrier toward said support, means for setting the spring to a predetermined tension, a movable member interposed between said spring and its setting means whereby the carrier may be moved without disturbing the setting of the spring, and means under control of the operator for moving said member predetermined amounts.

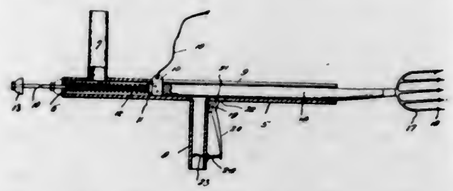


1,506,067. ILLUSTRATED STORY DISPLAY DEVICE. THOMAS B. LAMB, New York, N. Y. Filed June 19, 1923. Serial No. 646,350. 6 Claims. (Cl. 46—37.)



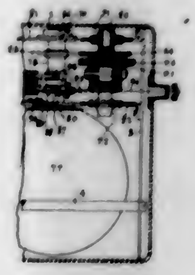
1. In a device of the class described, a sheet of material comprising a body portion having an extension comprising a plurality of pages hinged to one side of the same, said extension having a plurality of pictures depicted thereon together with explanatory matter thereof, said body portion also having hinged to another side of the same another extension apertured to permit said pictures to be shown thereat, the last named extension having flaps hinged to the same.

1,506,068. FISH-SPEARING DEVICE. JOHN H. LANGE, Alpena, Mich. Filed Oct. 3, 1923. Serial No. 666,325. 3 Claims. (Cl. 43—6.)



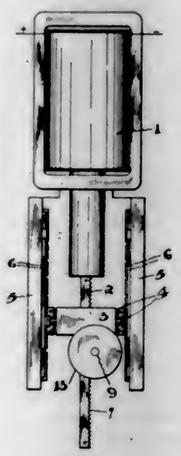
1. In a fish spearing device of the character described, a barrel open at one end and closed at the other, a pair of rigid handles respectively projecting laterally from the barrel at the inner end portion of the latter and substantially at a point intermediate the ends of the same, a spear having a shank positionable within said barrel, means for automatically latching the shank within the barrel against outward projection and carried adjacent the second named handle, and spring means upon the inner end of the barrel for projecting the spear therefrom.

1,506,069. STABILIZER AND DIRECTION CONTROL FOR AIRCRAFT. WARD LEATHERS, Haworth, N. J. Filed May 18, 1922. Serial No. 561,868. 11 Claims. (Cl. 244—29.)



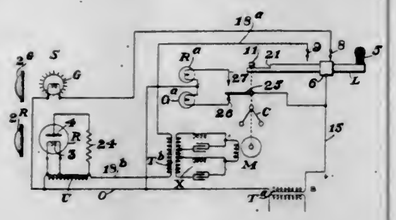
1. In an automatic controller for aircraft a control connection, a follow-up mechanism, a rotatable electric contact tube, a source of electric current, a reversible service motor, electrical means in circuit with said contact tube and said source of electric current, said service motor being reversibly controllable by said electrical means and a relation altering mechanism, said relation altering mechanism being adapted to alter the relation between said rotatable electric contact tube and said control connection and said follow-up mechanism.

1,506,070. CONTROLLER FOR DIRECT-CURRENT MOTORS. WILLIAM H. LESLIE, Toronto, Ontario, Canada. Filed Oct. 13, 1923. Serial No. 668,437. 2 Claims. (Cl. 219—48.)



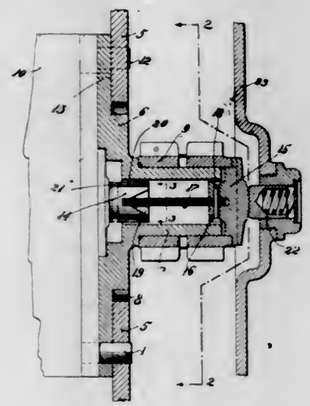
1. In a rheostat the combination of a solenoid; a plunger forming the core of the solenoid; fixed contacts arranged in a series and connected with motor controlling resistances; a cross head connected with the plunger and adapted to engage the fixed contacts to vary the motor controlling resistances as the cross head is moved by the plunger; and means for adjusting the said cross head longitudinally of the plunger.

1,506,071. ELECTRIC LAMP. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Continuation of application Serial No 364,485, filed Mar. 9, 1920. This application filed Aug. 24, 1921. Serial No. 494,823. 18 Claims. (Cl. 246—138.)



1. In combination, an electric lamp in the form of a rectifier having a filament and an anode, means for supplying lighting current to said filament, a device for indicating at a distance whether or not said lamp is lighted, and a circuit for controlling said device and including the filament and anode of said lamp and a source of alternating current.

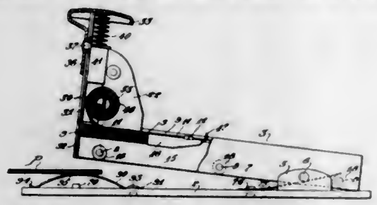
1,506,072. ADJUSTABLE DRIVING CONNECTION. GEORGE L. MCCAIN, Detroit, Mich. Filed May 10, 1921. Serial No. 468,455. 5 Claims. (Cl. 64—96.)



1. In a driving connection, the combination of a supporting plate having a tubular bearing portion projecting therefrom, a driving wheel mounted on said bearing, a cap extending over the end of said tubular bearing and connected to the driving wheel, said cap having a boss containing a slot, a driven shaft carried by said support and having a slot in its end, and a pack of thin flexible metal plates secured at one end in the slot in said boss and extending through the tubular bearing into the slot in the end of said shaft.

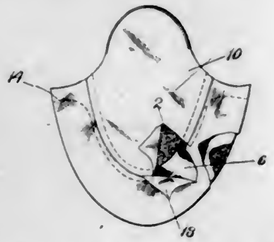
1,506,073. STAPLING MACHINE. ARTHUR H. MAYNARD, Warwick, R. I., assignor to Boston Wire Stitcher Company, East Greenwich, R. I., a Corporation of Maine. Filed June 10, 1922. Serial No. 567,305. 4 Claims. (Cl. 1—3.)

3. In a stapling-machine, the combination of a base, a clincher-anvil on said base, an arm mounted above the base, a staple-driver reciprocable on said arm, and a work support comprising a resilient arched plate secured at one end to the base with its arched portion elevated



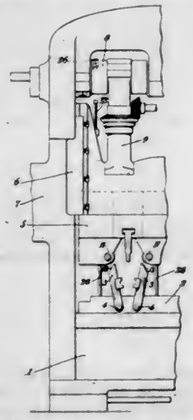
above the anvil and its opposite end bearing against the base and adapted to slide thereon.

1,506,074. METHOD OF MAKING RUBBER FOOTWEAR. CHARLES H. MORRILL, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 16, 1919. Serial No. 271,397. 21 Claims. (Cl. 12—142.)



1. That improvement in methods of making arctic shoes which consists in cutting out pieces to constitute the vamp of the arctic, including the lining, a cashmerette and a collarette; cutting out pieces to constitute the quarter of the arctic, including a lining, a collarette, a cashmerette and a junior, assembling the pieces of the vamp and the pieces of the quarter, uniting the vamp and the quarter into an assembled top unit, subsequently assembling the unitary top and an insole upon a form, and thereafter attaching the margin of the top to an insole and performing subsequent operations to complete the shoe.

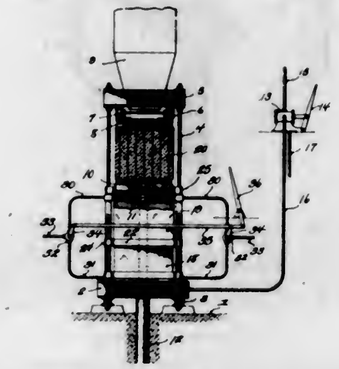
1,506,075. METAL-PUNCHING PRESS. MORRIS S. NEAL, Collinsville, Conn. Filed Dec. 29, 1922. Serial No. 609,580. 9 Claims. (Cl. 76—6.)



1. A metal punching press, comprising dies, means for supporting said dies to permit relative lateral movement therebetween, a head reciprocable relative to said

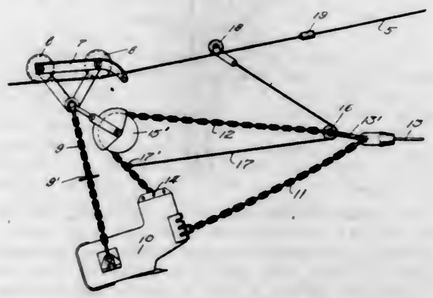
dies and provided with means to apply lateral pressure to said dies during forward movement of said head, and means for releasing said lateral pressure near the limit of such forward movement.

1,506,076. BALING MACHINE. KARL O. NELSON, Milwaukee, Wis., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis. Filed Jan. 16, 1923. Serial No. 612,998. 4 Claims. (Cl. 100—19).



1. A baling press comprising a frame having a base and an upper portion and tie rods joining said portions, an upper platen associated with said upper portion, a lower movable platen, means associated with the lower portion of said frame for operating said lower platen, a press box having a lower stationary portion cooperating with said lower platen and having an upper movable portion adapted to telescope the lower portion and cooperate with said upper platen, and means carried by said base for shifting the upper movable portion of said press box.

1,506,077. EXCAVATING DEVICE. JOHN W. PAGE, Chicago, Ill. Filed Jan. 12, 1924. Serial No. 685,750. 7 Claims. (Cl. 37—117.)



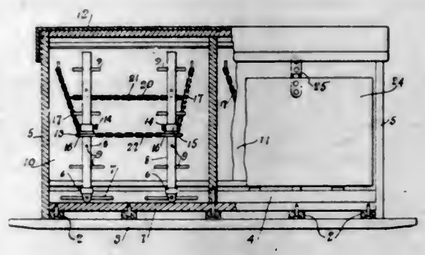
1. In an apparatus of the character set forth, the combination of a main cable, a carriage movable thereon, a scraper bucket pivotally mounted on said carriage in the rear of the center of gravity of the bucket when loaded, a hauling line for pulling the bucket along said main cable, a block attached to the carriage, a holding chain running from the front of the bucket over said block to the hauling line, means arranged in connection with said block whereby a leverage in favor of the end of the holding chain attached to the hauling line is established when the bucket is in load-retaining position and destroyed when said bucket is in partial or complete dumping position, and means engaging said hauling line in advance of said bucket operating at a predetermined point to directly pull the holding chain over the block attached to the carriage toward the front end of the bucket.

1,506,078. DENTAL POLISHING DISK. GEORGE A. PARKS, Sherrard, Ill. Filed July 22, 1922. Serial No. 576,669. 1 Claim. (Cl. 32—13.)



A dental disk comprising a thin polishing disk, and a reinforcing disk of thin nonabsorbent flexible material affixed to one side of the polishing disk and of less diameter than the polishing disk to permit the polishing disk to be used between approximating surfaces of the fillings to be reduced and finished.

1,506,079. MECHANICAL STOCK FEEDER. ALLEN T. PENCE, Hillsboro, Ohio, assignor of one-fifth to A. B. Simpson, one-tenth to Joseph Gavey, one-tenth to F. F. Stevens, one-fifth to William R. Lukens, and one-fifth to Robert B. McMullen, all of Hillsboro, Ohio. Filed Oct. 4, 1923. Serial No. 666,646. 5 Claims. (Cl. 119—54.)

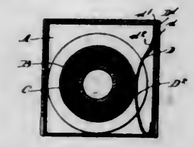


4. In a mechanical stock feeder, a feed compartment, a hopper mounted thereover, a plurality of agitator shafts suspended in said hopper, having one end in said feed compartment, diagonal supporting chains supporting said agitators in said hopper and feed compartment, longitudinal chains connecting said agitators to one another through their suspending chains, steadying chains connecting the suspending chains to one another, and a transverse chain to steady the longitudinal chains.

1,506,080. MUSIC-ROLL-BOX CLIP. THOMAS M. PLETCHER, Fontana, Wis., assignor to The Q R S Music Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1923. Serial No. 645,231. 5 Claims. (Cl. 206—52.)

1. In combination with a music roll box and the like container, a clip for checking the roll content of the box against slacking on and uncoiling from the spool, consisting of a piece of sheet metal folded upon itself at one end forming a hook for closely clasping the edge of one side of the box and flexed off from the plane of the hook recess inward with respect to the box cavity, said flexure

being made at a distance from the bend which forms the hook sufficient for rendering the depth of the hook adequate to secure a grasp upon the box edge; whereby the



remainder of the length from said flexor to the limit permitted by the depth of the box forms a spring finger for pressing against the roll.

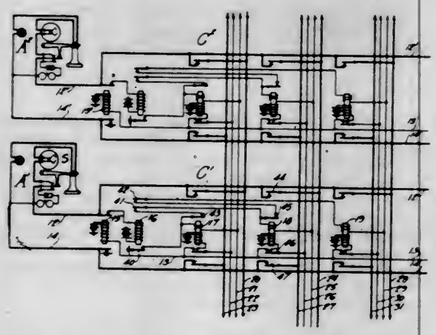
1,506,081. CASEIN SIZE AND METHOD OF PRODUCING SAME. ADRIEN E. REGNIER, Revere, Mass., assignor of one-half to Reginald W. Bird, Framingham, Mass. Filed Aug. 31, 1921. Serial No. 497,323. 13 Claims. (Cl. 134—20.)

3. A process of producing a size or glue, which comprises the congulation and precipitation of casein with hydrochloric acid, followed by the drying of the precipitated casein, and the conversion of such casein into an adhesive state by the use of sodium fluoride.

1,506,082. INK. ENRIQUE REITZE and EMILIO TRUJILLO, Santiago, Chile. Filed May 24, 1923. Serial No. 641,276. 2 Claims. (Cl. 134—34.)

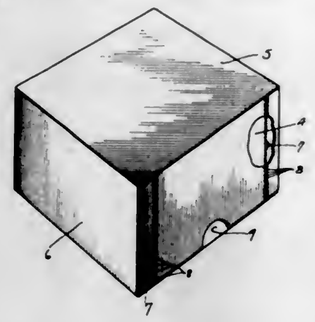
2. The process of making ink which consists in heating ten parts by weight of glycerin and dissolving therein one part by weight of gelatine, permitting the mixture to cool down to approximately 20° C., adding alcohol to the cooled mixture in the proportion by weight of one-half to one of glycerin, stirring said mixture, adding coloring matter to the mixture in the proportion by weight of one-fifth to one of glycerin, and grinding the mass.

1,506,083. RELAY AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1920. Serial No. 399,528. 21 Claims. (Cl. 179—18.)



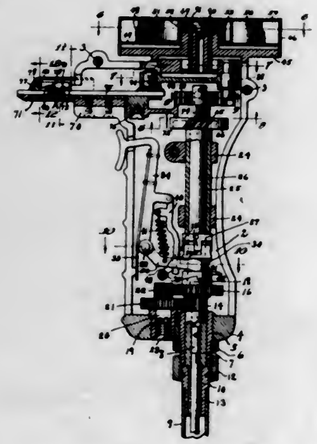
1. In a telephone system, subscribers' lines, trunk lines, a series of connecting relays associated with each trunk line, each series comprising a relay individual to each subscriber's line, means whereby a calling subscriber can connect with an idle trunk line, means whereby the calling subscriber can energize the relays associated with the connected trunk line successively by impulses transmitted over the connected trunk line, and means for maintaining the last energized relay in operated position to complete the connection to a called line and to maintain said lines connected during conversation.

1,506,084. SHOT-SHELL CARTON. NORMAN L. RICHMOND, Loveland, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 546,956. 10 Claims. (Cl. 223—7.)



1. A carton comprising a box having upstanding walls and spaced-apart lines of perforations in one of said walls, and a lid for the box, said lid having a depending flange in overlapping relation with said perforated side wall and itself also having spaced-apart upright lines of perforations.

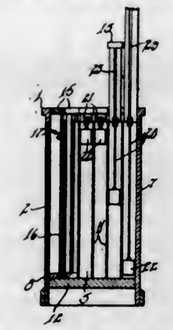
1,506,085. STAPLE MAKING AND DRIVING TOOL. PAUL RISSMAN, Detroit, Mich. Filed Dec. 5, 1921. Serial No. 520,027. 14 Claims. (Cl. 1—2.)



1. In a staple forming and driving tool, a case adapted to be held in a hand of an operator and a guide therein, a shearing and bending member slidable in the guide, means for feeding wire thereto, a hammer to force the staple out of the tool, a shaft to control the operation of the hammer, a spring to actuate the hammer, and a main shaft to actuate the wire feeding means, the staple forming means and the hammer.

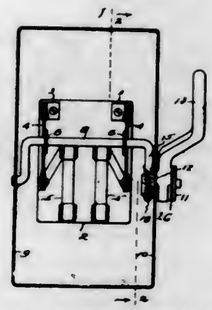
1,506,086. AUTOMATIC DISPLAY-MERCHANDISE SHOW CASE. EARL G. RUBY, St. Joseph, Mo. Filed Dec. 16, 1922. Serial No. 607,331. 1 Claim. (Cl. 211—16.)

A device of the character described comprising a casing having a transparent glass window in the front wall thereof, a plurality of upright garment containing sections slidably mounted in said casing, the forward section being visible through said window, means for selectively projecting said sections through a vertical plane to a position substantially above the top wall of said casing, whereby the garments in said sections may be viewed, said means comprising weights heavier than said



sections, cables connecting said weights with their respective sections, pulleys disposed at the upper end of said casing for supporting the intermediate portion of said cables, and fastening means for normally retaining said sections in said casing against the action of said weights.

1,506,087. QUICK-OPENING SAFETY SWITCH. JOSEPH SACHS, Hartford, Conn. Filed Jan. 25, 1922. Serial No. 531,580. 11 Claims. (Cl. 200—42.)



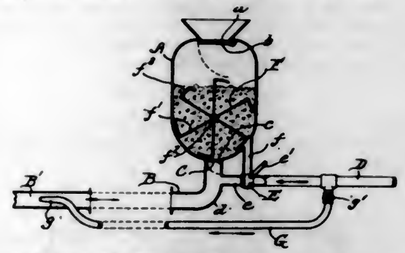
1. A switch mechanism comprising a casing, a spindle, a handle hub rotatably fitted on the spindle and extending through the side wall of the casing, and having a lost motion engagement with a bent portion of the spindle within the casing, and a spring connected between the handle hub and the spindle, whereby when the handle is turned the spring is first made tense, then the hub positively engages directly with and moves the spindle, and finally the spring throws the spindle.

1,506,088. MAH-JUCK RACK. JOHN SANCHEZ, San Pedro, Calif., assignor to John T. Gaffey, San Pedro, Calif. Filed Oct. 21, 1922. Serial No. 595,931. 1 Claim. (Cl. 46—55.)



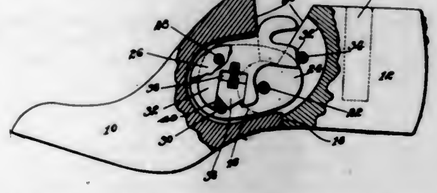
A game element consisting of a combined rule and rack including along one side a longitudinal seat upon which game blocks can be set upright, the rack having a plane face against which the blocks can be alined in building a wall while resting on a plane primary support, and a device projecting from one end of the rack to act as a stop for the contiguous end of the wall being built.

1,506,089. CONCRETE MIXER AND CONVEYER. KARL R. SCHUSTER, Brooklyn, N. Y. Filed Dec. 6, 1919. Serial No. 343,037. 10 Claims. (Cl. 83—3.)



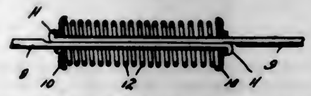
1. In the art of mixing and transporting concrete, the process which consists in feeding a gaseous agent under pressure from below a mass of materials contained within a chamber to initially mixe the components of such mass by agitating the same, discharging such initially mixed mass from the chamber into a duct, feeding a gaseous agent under pressure to said duct at a point distant from the point of entry of the initially mixed materials, to create a partial vacuum within said duct, feeding a gaseous agent under pressure into the duct at a point adjacent to the entry of the intially mixed materials thereinto, and propelling the mass as a whole and effecting a further mixture of its components by the partial vacuum created within the duct and by the pressure of the gaseous agent applied rearwardly of such mass.

1,506,090. COLLAPSIBLE LAST. FRED JOHN SHANISEY, Sr., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed June 24, 1921. Serial No. 480,049. 19 Claims. (Cl. 12—136.)



1. A collapsible last comprising a heel part and forepart arranged for relative movement to collapse the last, a locking member engaging said parts to prevent such collapsing movement and hold the parts in extended position, said locking member being movable from operative position to permit the collapse of the last and being accessible for effecting such movement by the operator's fingers, and means for automatically catching and holding said locking member in inoperative position when so displaced, constructed and arranged to release it for locking operation again upon the collapsing movement of the last.

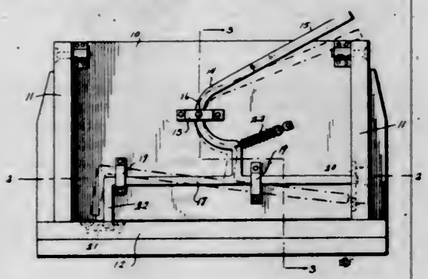
1,506,091. BRAKE-OPERATING MECHANISM. JOHN L. SHULTZ, Bellefonte, Pa. Filed June 30, 1923. Serial No. 648,674. 1 Claim. (Cl. 74—48.)



In a brake operating mechanism, a connecting rod composed of sections which are circular in transverse section, said sections being diametrically flattened at their ends, said diametrically flattened end portions overlapping each other and being provided with angularly dis-

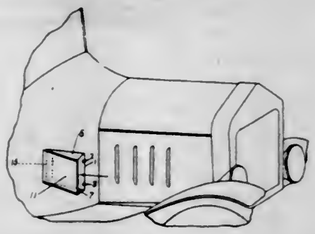
posed extremities, discs having circular central openings receiving the diametrically flattened overlapping end portions of the rod sections and located between the angularly disposed extremities thereof and a coil spring bearing against the inner faces of the discs and having its convolutions surrounding the diametrically flattened overlapping end portions of the rod sections.

1,506,092. END-GATE LOCK. JOHN M. SISKO, Nesquehoning, Pa. Filed Mar. 18, 1924. Serial No. 700,082. 1 Claim. (Cl. 296—56.)



The combination of an end gate and a wagon body, one of the side walls of the wagon body having a keeper and the bottom wagon body having a keeper, a locking bar, one end of which is angularly bent and adapted to engage in the last named keeper and the other end being adapted to engage in the first named keeper, a lever pivoted upon the face of the end gate and operatively engaged with the bar whereby the bar may be shifted to carry the ends out of engagement with the keeper and a spring holding the locking bar in engagement with the keeper.

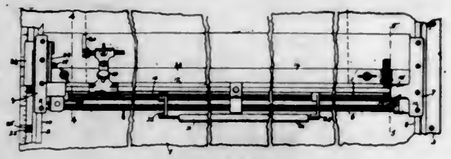
1,506,093. VENTILATING DEVICE FOR MOTOR CARS AND THE LIKE. KING SKERRETT, Buenos Aires, Argentina. Filed Oct. 19, 1923. Serial No. 669,548. 3 Claims. (Cl. 98—22.)



3. A ventilating device comprising a base plate having an elongated slot therein; a pair of triangular side portions hinged to opposite edges of said base plate; a cover plate hinged to the third edge of said base plate; a funnel secured to and extending at approximately right angles from said base plate and corresponding to said slot; means on said side portions for holding said cover plate in open position; and means on the fourth edge of said base plate for holding said cover plate in closed position.

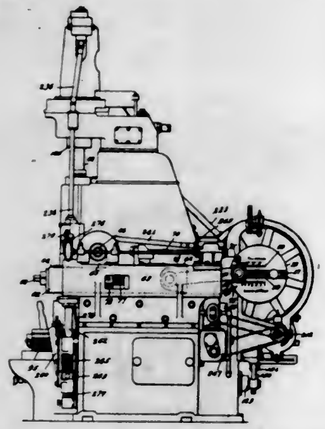
1,506,094. PERFORATING MACHINE. EUGENE A. SPAULDING, Portland, Me. Filed Mar. 30, 1923. Serial No. 628,735. 2 Claims. (Cl. 164—87.)

1. In a perforating machine, the combination of a feed table, a feed bar, a feed shaft journalled to said bar, pinions on the ends of said shaft, parallel racks on said table engaged by said pinions, a pawl carried by said bar, a guide extending along the table in the direction of the feed, said pawl being adapted to be carired along adjacent to said guide, a stop adjustably secured on said guide to



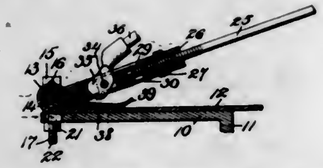
engage said pawl and a spacing bar extending longitudinally of said feed bar connected to disengage said pawl from said stop.

1,506,095. MACHINE FOR FORMING GEARS OR OTHER POLYGONAL ARTICLES. GEORGE R. STEVENSON, Indianapolis, Ind., assignor to Stevenson Gear Company, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 17, 1921. Serial No. 523,040. 32 Claims. (Cl. 90—8.)



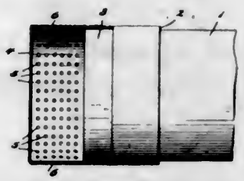
5. In a machine of the class described, the combination of a tool carrier, a reciprocable blank-carrying ram associated with said tool carrier, means for automatically intermittently retracting and advancing the tools relative to the line of movement of the ram, a reciprocable driving member, connections between the reciprocable driving member and the ram for causing reciprocation of the ram by reciprocation of the driving member, and means by which the stroke of the ram may be adjustably coordonated with the tool carrier.

1,506,096. DEVICE FOR BENDING METAL STRIPS. WILLIAM M. STIDWORTHY, Hackettstown, N. J. Filed Apr. 11, 1923. Serial No. 631,300. 5 Claims. (Cl. 153—40.)



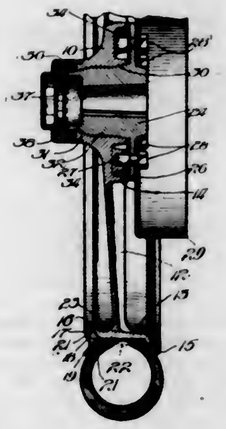
1. A device for bending metal strips comprising a support for the strip, a lever mounted so as to swing, a dog on the lever, and a mandrel at the pivot of the lever and having a tail piece to limit its rotation, said tail piece extending beyond the forming part of the mandrel.

1,506,097. AMMUNITION FOR LINE-THROWING GUNS AND THE LINE-CARRYING RING THEREFOR. JOHN W. STOCKETT, Washington, D. C. Filed Oct. 16, 1923. Serial No. 668,875. 4 Claims. (Cl. 102—34.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A round of fixed ammunition, including a projectile formed with an annular shoulder toward its base, a perforated container secured to the base and a gauze fabric covering the container.

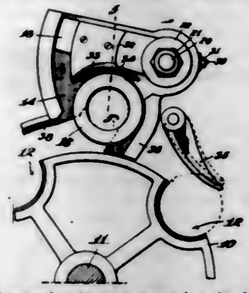
1,506,098. METAL WHEEL. CHARLES E. WADE, Detroit, Mich., assignor to Jefferson Forge Products Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 7, 1921. Serial No. 506,033. 4 Claims. (Cl. 301—65.)



3. In an automobile wheel, the combination of an integral forged structure comprising a center-body, spokes and a rim positioned centrally on the ends of the spokes, the rim being tapered in opposite directions from its approximate center longitudinal line and provided with an integral outwardly extending flange on one side and an integrally inwardly extending flange having a groove on the other side; and a detachable flange adapted to be seated in said groove to retain the tire on the rim between the outwardly extending integral and detachable flanges.

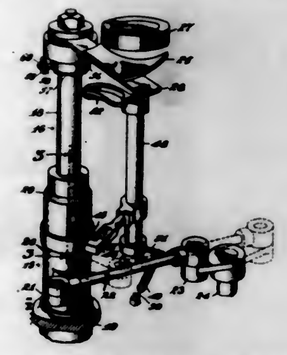
1,506,099. CAN-CAP-FEEDING DEVICE. RAY O. WILSON and ARTHUR D. SUMNER, Los Angeles, Calif., assignors of forty-nine one-hundredths to Franklin F. Stetson, Los Angeles, Calif. Filed Jan. 26, 1921. Serial No. 440,216. 8 Claims. (Cl. 113—114.)

1. In a can cap feeding mechanism, an oscillating pusher-bar arranged to intersect a stack of can-caps on its forward movement and adapted to advance the lowermost can-cap, and fixed means co-operating with the pusher-bar on its forward movement for causing the can-cap being



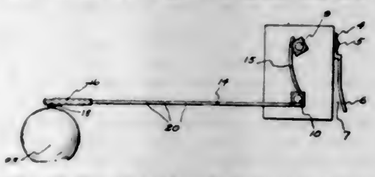
advanced by the pusher-bar to move longitudinally of the pusher-bar and be ejected at the outer end of the pusher-bar.

1,506,100. AUTOMATIC CAN-TOP-FEEDING MECHANISM. RAY O. WILSON and ARTHUR D. SUMNER, Los Angeles, Calif., assignors of forty-nine one-hundredths to Franklin F. Stetson, Los Angeles, Calif. Filed Jan. 26, 1921. Serial No. 440,217. 10 Claims. (Cl. 113—114.)



1. In a can-cap feeding mechanism, an oscillatory drive shaft, means for oscillating said shaft continuously, a normally stationary driven shaft aligned with said drive shaft, can controlled means for intermittently connecting the drive to the driven shaft, and can-top ejector means operable by said driven shaft.

1,506,101. OVERFLOW ALARM. WILLIAM WINKLER and ARTHUR H. MILLER, Brooklyn, N. Y. Filed Oct. 24, 1922. Serial No. 596,676. 1 Claim. (Cl. 200—84.)



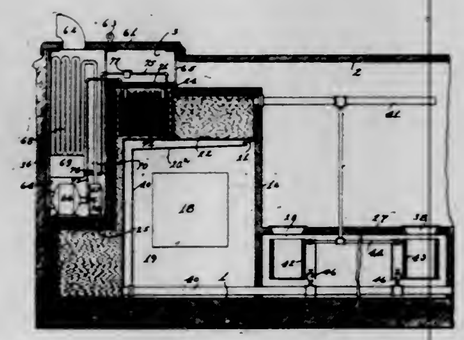
A device of the class described comprising a main block adapted to be secured above a receptacle, terminal studs thereon, a lever arm having spaced notches thereon, an extension pivoted on the lower terminal stud and adapted to contact with the remaining stud when rotated, a sleeve slidable on the lever, a pointed pin passing thru the wall of said sleeve and adapted to engage any of the notches, a float ball secured to said pin, and a flat spring secured to said sleeve adapted to urge the pointed pin into contact with the corresponding notch.

1,506,102. COMBINATION TOOL. ARTHUR WISE, Salt Lake City, Utah. Filed Mar. 6, 1922. Serial No. 541,297. 2 Claims. (Cl. 7—1.)



2. A combination tool comprising a handle, a bifurcated tack remover secured in one end of said handle, and a gasket remover secured in the same end of said handle and with a portion thereof inclined from the tack remover.

1,506,103. DINING-CAR REFRIGERATOR INSTALLATION. WILLIAM WISHART and ALBERT H. MORRELL, Clinton, Iowa, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa, a Corporation of Delaware. Filed Aug. 8, 1921. Serial No. 490,781. 7 Claims. (Cl. 62—117.)



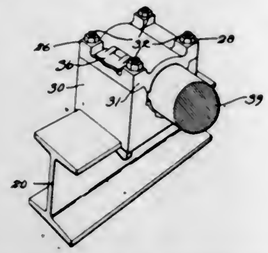
1. A dining car refrigerator system, comprising a main refrigerator box embodying a food-receiving chamber, a brine tank therein, a plurality of auxiliary refrigerator boxes, a pipe system connecting said auxiliary boxes with the brine tank, and a refrigerator high side and low side unit associated with the brine tank with the low side projecting into the brine tank to cool the brine therein and thereby cause circulation of the brine through the main refrigerator box and through the auxiliary refrigerator boxes to cool the same.

1,506,104. PROCESS FOR PRODUCTION OF ALUMINUM CHLORIDE AND OTHER PRODUCTS FROM CARBONACEOUS SHALES AND LIKE MATERIAL. EDSON R. WOLCOTT, Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Oct. 13, 1919, Serial No. 330,381. Renewed Feb. 18, 1922. Serial No. 537,645. 15 Claims. (Cl. 23—13.)

8. The process of making aluminum chloride comprising reacting with chlorin upon a residue derived from heating a carbonaceous argillaceous mineral, said residue comprising aluminous material and carbon.

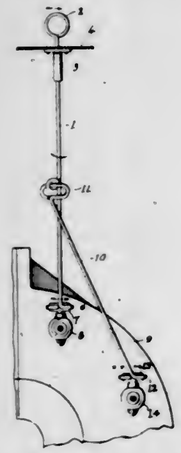
1,506,105. SHAFT BEARING. LEWIS E. ZERBE, Moneta, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Mar. 22, 1923. Serial No. 626,791. 5 Claims. (Cl. 64—52.)

1. In a shaft bearing of the kind described, the combination of a beam, a box supported by the beam, hook bolts engaging the beam for securing the box to the beam, a cap on the box secured thereto by the said bolts and the box projecting laterally beyond the beam and



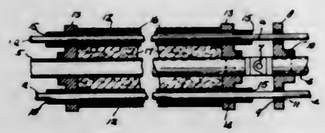
provided with depending faces engaging the side of the beam, the bolts extending through the lateral extensions of the box.

1,506,106. PET-COCK-OPERATING DEVICE. WILLIAM DEXTER SMITH BRACE, North Bangor, N. Y. Filed Apr. 7, 1923. Serial No. 630,551. 4 Claims. (Cl. 137—139.)



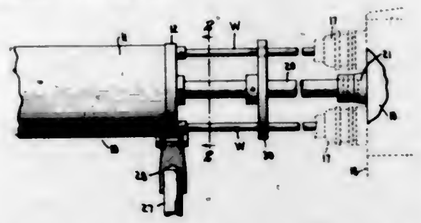
1. A device for operating at a distance pet cocks and the like comprising a rotatable operating member having a loop portion integral therewith at or about its middle portion and an auxiliary rod member interlinking with said loop by means of another loop at the upper end of said auxiliary rod member, and means connected with said rod members for engaging and operating the thumb pieces of pet cocks.

1,506,107. STOCK REST FOR LATHES AND LIKE MACHINES. JOHN P. BROPHY, Cleveland Heights, Ohio. Filed June 5, 1922. Serial No. 566,014. 16 Claims. (Cl. 29—37.)



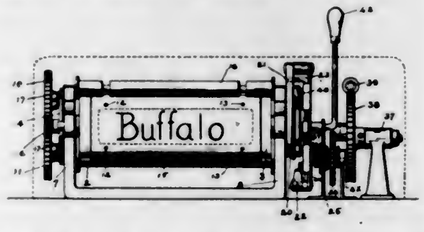
1. In mechanism of the character described, the combination of suitable supports, a guide tube for an individual bar or rod, a shell surrounding said tube and spaced therefrom, and sound-deadening material packed between said tube and shell.

1,506,108. STOCK REST. JOHN P. BROPHY, Cleveland Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 21, 1923. Serial No. 640,369. 3 Claims. (Cl. 29—37.)



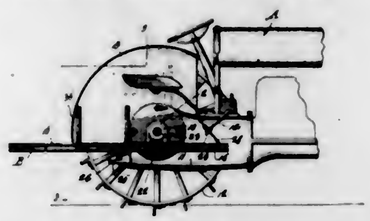
1. A stock rest comprising a hollow cylinder, a longitudinally extending pipe carried inside said cylinder, rotatable bushings in each end of said pipe, and sound insulating material surrounding said pipe within the cylinder.

1,506,109. STREET OR STATION INDICATING APPARATUS. JOHN W. CARNOCHAN, Rochester, N. Y., assignor to Alfred M. Ecclestone, St. Catharines, Ontario, Canada. Filed May 12, 1923. Serial No. 638,511. 8 Claims. (Cl. 40—53.)



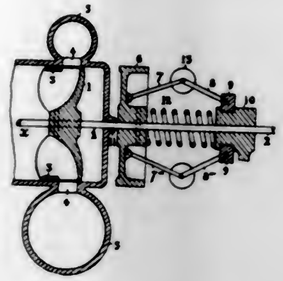
1. In a street or station indicator, the combination of a frame, a positively driven roller mounted to rotate in said frame, a pair of arms mounted to swing on said frame, a pair of idle rollers mounted between the outer ends of said swinging arms, means for operatively connecting said idle rollers with each other to make them rotate in unison, a belt having names printed thereon at predetermined intervals thereof adapted to be unwound from one of said idle rollers passed over said positively driven roller and wound up on the other of said idle rollers, means carried on the periphery of said positively driven roller to engage said belt, pull it from one of the idle rollers and feed it onto the other of said idle rollers.

1,506,110. SAFETY CLUTCH RELEASE. LOUIS CLEMENT, Evangeline, La. Filed Aug. 4, 1923. Serial No. 655,711. 3 Claims. (Cl. 180—82.)



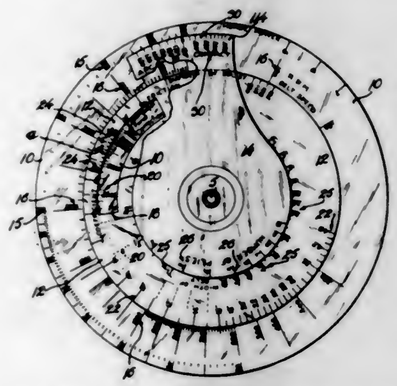
1. The combination with a tractor including a clutch pedal, of a safety appliance for the tractor for preventing the tilting back of the tractor to a dangerous angle comprising a platform, means rockably securing the platform at a point intermediate its ends to the rear drive axle casing of the tractor the rear end of the platform extending beyond the rear end of the tractor, an operating rod rockably carried by the forward end of the platform means slidably connecting the rod with the clutch pedal and a stop carried by the rod for engaging said clutch pedal.

1,506,111. SELF-ACTING SPEED-REGULATING DEVICE FOR TURBINES. MARCEL CROZET-FOURNEYRON, Le Chambon Feugerolles, France. Filed Mar. 25, 1922. Serial No. 546,879. 3 Claims. (Cl. 253—97.)



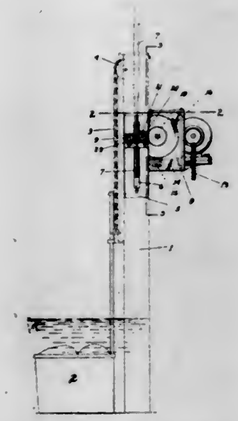
3. In a water turbine, the combination with the rotor, the shaft carrying the same and capable of axial displacement and the distributing member, of a slide-valve provided on the said rotor so as to participate in its rotary and longitudinal movements, and a centrifugal governer adapted to axially displace the said rotor and slide-valve thereby causing the latter to more or less open the discharge opening of the said distributing member, a pulley secured to the said rotor-shaft, a stationary bearing for said shaft, a collar rotatably mounted on said bearing the said governor being pivoted to the said pulley and said collar, and a spring interposed between the said pulley and the said collar.

1,506,112. CALCULATOR. MURVIN B. CUTSHAW, Denver, Colo. Filed Oct. 3, 1922. Serial No. 592,069. 8 Claims. (Cl. 235—84.)



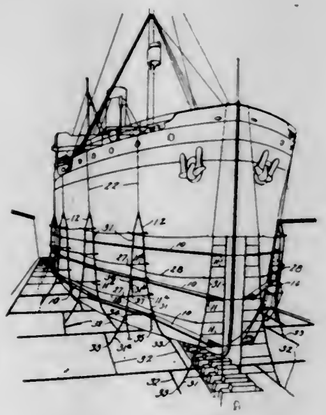
1. In a belt calculator, a member having a combined scale for revolutions per minute and belt speed an.. also having a scale correcting belt speed for centrifugal force, and a second member having a diameter of pulleys scale cooperating with the other scales for giving belt speeds.

1,506,113. OPERATING MECHANISM FOR EGG TIMERS. SAMUEL O. DEARING, Stockton, Calif. Filed May 8, 1923. Serial No. 637,503. 3 Claims. (Cl. 161—16.)



1. An operating mechanism for egg-timers having a casing, a vertically moving rack bar therein and a pinion engaging the same, comprising a driven gear mechanism arranged as a unit and adapted to be detachably connected to the casing and to be operatively connected to the pinion.

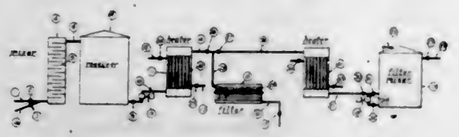
1,506,114. SHIP SCAFFOLD. ALFREDO DONAGGIO, Winfield, N. Y. Filed May 6, 1921. Serial No. 467,351. 20 Claims. (Cl. 304—16.)



1. In scaffolding for ships' hulls, flexible ladders having rungs provided each with a horizontally disposed forked end projecting beyond the side of the ladder the branches of the fork being disposed on opposite sides of the plane of the ladder and a plurality of hull-engaging rollers supported in spaced relation by said forked ends.

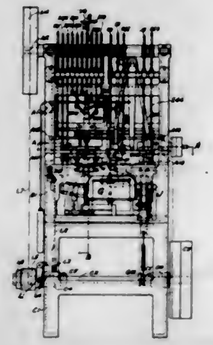
1,506,115. TREATING PETROLEUM OILS. ROBERT N. DONALDSON and ROSS MCCOLLUM, Bakersfield, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Mar. 21, 1923. Serial No. 626,685. 2 Claims. (Cl. 196—4.)

1. The process of removing colloidal asphalt from crude petroleum oil, which comprises preliminarily treating the oil with dilute sulphuric acid to flocculate its colloidal asphaltic content without forming sulfonated hydrocar-



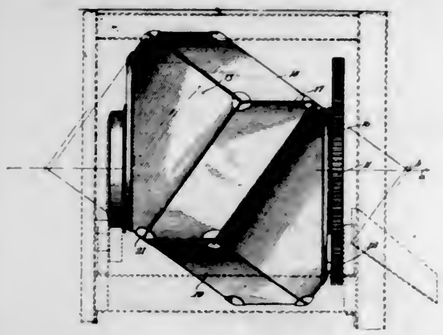
bons, and then separating the treated oil from the flocculated bodies.

1,506,116. AUTOMATIC BOX MACHINE. ROBERT H. FENN, Whitestone, N. Y. Filed Dec. 26, 1918, Serial No. 268,296. Renewed Dec. 6, 1923. 131 Claims. (Cl. 93—40.)



1. In an automatic box machine the combination of a horizontally reciprocated feed slide together with a plurality of telescoping, vertically reciprocated tubes, operating independently of each other, one of said tubes provided with a plunger adapted to press a blank against said slide.

1,506,117. ELONGATED CUBE MIXER. JAMES C. FRENCH, Muskegon, Mich., assignor to Austin Machinery Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,644. 7 Claims. (Cl. 83—73.)

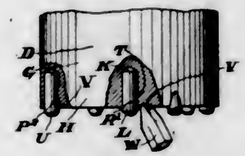


1. A polyhedric mixer body, having ends of truncated cubic form arranged with a horizontal axis extending through the theoretical projected cube corners, and intermediate connecting sheets or side walls spacing apart the companion edges of said ends of cubic form.

1,506,118. METHOD OF PREPARING SILICEOUS MATERIAL. FRANCIS X. GOVERS, New York, N. Y. Filed Aug. 7, 1923. Serial No. 656,209. 8 Claims. (Cl. 23—28.)

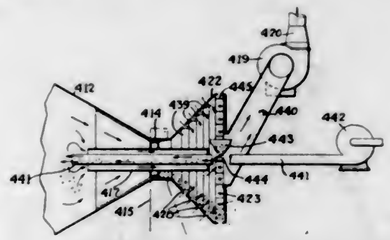
1. The method of preparing silicic acid which comprises preparing a colloidal solution of silicic acid and removing water therefrom before a "gel" has formed, the removal of water being carried to the extent that the solid product will not form a solid "gel" in the presence of water.

1,506,119. CORE-DRILL BIT. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 1, 1923. Serial No. 616,310. 1 Claim. (Cl. 255—72.)



1. A rotary cutting bit for a core drill, having removable cylindrical cutter pins inserted in longitudinally extending holes in the end face of the bit, each pin having a locking notch intermediate its length, and the metal of the body portion of the bit being driven or forced from the end face of the bit into said locking notches to form locking keys to hold the pins in place and prevent them from turning during operation of the bit.

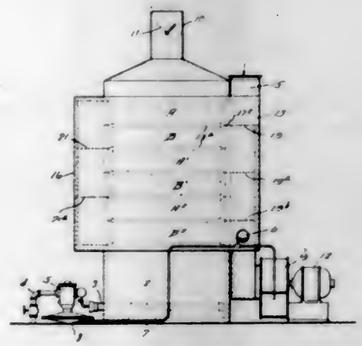
1,506,120. GRINDING MILL AND MATERIAL-REMOVING MEANS THEREFOR. HARRY W. HARDINGE, New York, N. Y., assignor to Hardinge Company Incorporated, New York, N. Y., a Corporation of New York. Filed June 14, 1923. Serial No. 645,232. 14 Claims. (Cl. 83—9.)



1. A grinding mill comprising a drum having an inlet opening and having an outlet opening, and means for simultaneously passing streams of elastic fluid through said outlet opening in opposite directions, said means comprising a suction conduit extending through said outlet opening.

1,506,121. APPARATUS FOR THE EXCHANGE OF HEAT. JAMES M. HARRISON, Cleveland, Ohio. Filed Oct. 14, 1921. Serial No. 507,604. 10 Claims. (Cl. 257—137.)

2. An apparatus of the character described comprising a plurality of series of oblong hollow elements each having expanded ends, the ends of the elements in each series engaging one another and the bodies of adjacent elements being spaced, a pair of pass hoods communicating with opposite ends of each of said elements respectively, means for securing the said elements in place, baffle plates in each pass hood, each of said plates extending between the bottoms of the expanded ends of the elements of one series and the tops of the expanded ends of the elements in a subjacent series and the baffle plates in one pass hood being staggered with respect to those in the other, means



for circulating a fluid through said pass hoods and the said elements, and means for circulating another fluid through the passages provided between the said elements.

1,506,122. ECCENTRIC. JOSEPH A. HILLARD, Tacoma, Wash. Filed Apr. 30, 1921. Serial No. 710,064. 1 Claim. (Cl. 74—1.)

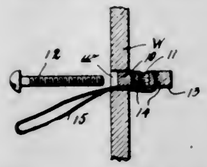


In combination with a shaft, a connecting rod, means for connecting the rod to said shaft comprising an eccentric mounted on said shaft, said eccentric having an annuair groove formed in the periphery thereof, a clamping ring extending around said eccentric and comprising a pair of coacting sections secured together at their adjacent ends, said clamping ring having an annular groove provided in the periphery thereof coacting with the annular groove provided in the periphery of the eccentric to provide a raceway, ball bearings positioned in said raceway, said clamping ring having lateral extensions formed on the upper portion thereof, coacting lateral extensions formed on the lower end of the connecting rod, and fastening means associated with the aforementioned coacting lateral extensions for securing a connecting rod to the clamping ring.

1,506,123. ANCHOR-BOLT NUT. WILLIAM A. HUBENER, New York, N. Y., assignor to Diamond Expansion Bolt Company, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,608. 7 Claims. (Cl. 85—32.)

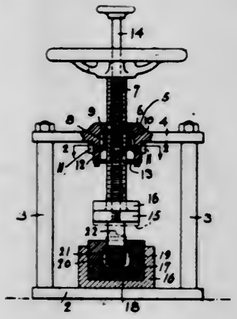
1. In an anchor bolt nut, the combination of a nut with a transverse hole for the passage of a bolt, a flexible

pull member attached to the nut for bringing it into securing position, and a temporary tension member applied



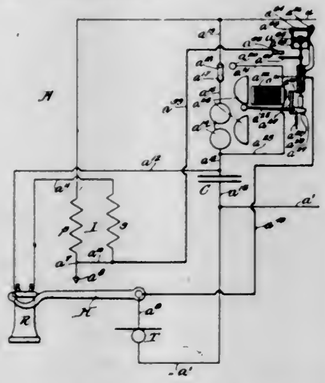
to said pull member for holding the nut preliminary to the introduction of the bolt.

1,506,124. SWAGING PRESS. JOHN HIRSCH, Pittsburgh, Pa. Filed Apr. 18, 1922. Serial No. 553,534. 2 Claims. (Cl. 113—39.)



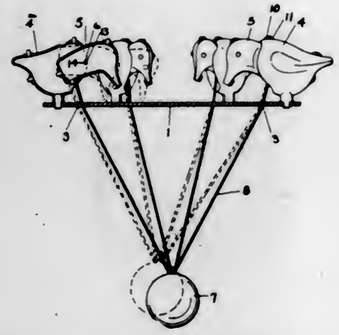
1. In a swaging press, the combination of a suitable frame having a cross-member, a hollow screw-bar mounted therein, passing through an opening in said cross-member, a nut below cross-member, and adapted to engage the lower face of same, said screw-bar engaging said nut, means for holding said nut against rotation, a compressor-plate adapted to be engaged by said screw-bar, and a spindle in the said screw-bar connected to said compressor plate and extending above said screw-bar.

1,506,125. TELEPHONE SYSTEM. CLIFFORD L. KEDDY, Lynn, Mass. Filed Jan. 5, 1922. Serial No. 527,266. 5 Claims. (Cl. 179—84.)



1. A telephone system having in combination a plurality of stations; signal instruments at said stations; signal circuits connecting said stations; means through which a person at one station operates the signal circuit of the other station to call the latter, and means under the control of the person at the called station adapted to be manually adjusted so as to automatically produce a visual "absent" signal at the calling station when the signal circuit of said called station is operated.

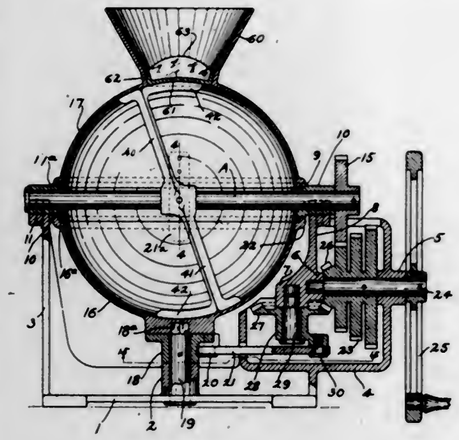
1,506,126. TOY. JOSEPH A. KUENZ, Jackson, Mich. Filed May 20, 1922. Serial No. 562,366. 1 Claim. (Cl. 46—40.)



In a toy, the combination of a body comprising a pair of complementary sheet metal stampings disposed edge to edge and having outwardly projecting tongues on the edges thereof, the tongues of the members being side by side when the members are in assembled relation, and perforated coupling members arranged over the coacting pairs of tongues, the outer ends of said tongues being folded over said coupling members.

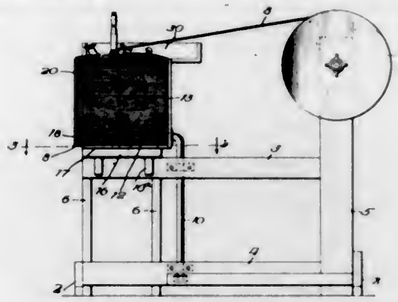
1,506,127. [WITHDRAWN.]

1,506,128. MIXER. FRANK X. LAUTERBUR, Sidney, Ohio. Filed June 18, 1923. Serial No. 646,128. 15 Claims. (Cl. 259—78.)



1. In a mixer, the combination of a bowl of substantially spherical shape, means for imparting a rotary movement to the bowl as a whole, a beater having a shaft revoluble within the bowl at an angle to the axis of movement of the bowl and means for operating the bowl and the beater simultaneously.

1,506,129. STRAPPING APPARATUS. CHESTER M. MACCHESNEY, Chicago, Ill., assignor to Acme Steel Goods Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 12, 1921. Serial No. 491,698. 6 Claims. (Cl. 100—31.)



1. Strapping apparatus comprising a three-sided holder adapted to receive and sustain a package or bundle leaving the central portion thereof free, a blade projecting from the side of the holder where the bundle overhangs so as to extend across the central portion thereof and prevent it from falling by a preponderance of weight beyond the holder, and a pivotal mounting for the holder whereby it may be caused to occupy either of two positions so as to right-angularly alternate in presenting the package or bundle for the strapping thereof.

1,506,130. METHOD OF COATING METAL MOLDS. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Mar. 14, 1923. Serial No. 625,141. 2 Claims. (Cl. 22—192.)

1. The method of applying a protective coating to metal molds which consists in first heating the molds to between 300° and 500° F., then painting the heated surface of the molds with a wash containing a little soluble silicate in solution and a considerable quantity of powdered fire clay in suspension, then heating the surface of the mold, then applying another coat of fire clay with a soluble silicate binder, again heating the surface of the mold and repeating the operation until the desired thickness of fire clay is applied to the surface of the mold.

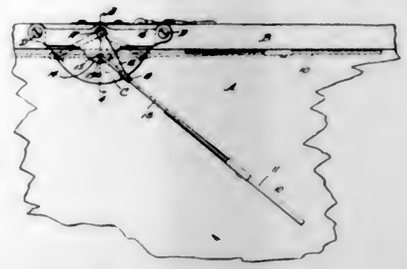
1,506,131. RECEPTACLE. LUCY NATA, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,423. 5 Claims. (Cl. 298—35.)



1. A box having a hinged bottom, and locking means therefor including a shaft extending longitudinally of the box and adapted for transverse bodily movement, said shaft being carried by the door, and hooked lugs on the box with which said shaft engages when in locking position.

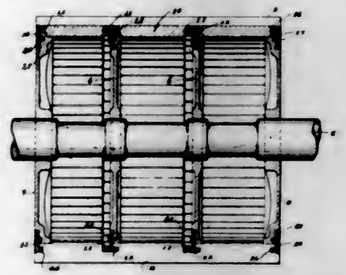
1,506,132. WINDSHIELD WIPER. JOHN R. OISHEI, Buffalo, N. Y. Filed Aug. 9, 1923. Serial No. 656,530. 5 Claims. (Cl. 15—255.)

1. In a windshield wiper, a wiper strip, a rock shaft for actuating said wiper strip, a spring arm engaging said wiper strip and pressing said wiper strip toward the windshield glass, said spring arm having a bearing portion journalled independently of and spaced from said shaft, and a part on said shaft engaging said spring



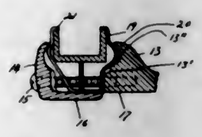
arm between said bearing portion and its wiper strip engaging portion for oscillating said wiper strip when said shaft is rocked.

1,506,133. ROLL OR ROTOR. EMIL A. PETERSON, Appleton, Wis. Filed Oct. 22, 1919. Serial No. 332,437. 4 Claims. (Cl. 92—22.)



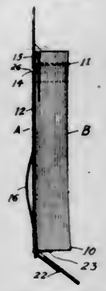
4. A device of the class described, comprising a roll frame including a shaft and a plurality of collar members fixed thereto in spaced relation, a plurality of knife bars, interlocking connections between the knife bars and collar members, spacing members positioned between adjacent knife bars, interlocking connections between the spacing members and collar members, an annular ring for retaining said knife bars and spacing members in interlocking connection with the collar members, and means readily detachably securing said annular ring in position on the frame.

1,506,134. WINDSHIELD VISOR. RAYMOND J. PURDY and ALBERT T. POTTER, Detroit, Mich., assignors to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 9, 1922. Serial No. 593,260. 4 Claims. (Cl. 296—95.)



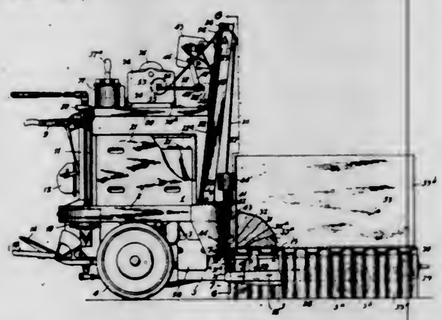
1. The combination with windshield standards and a visor, of attachment means including pivot brackets for the visor, clamping jaws on said brackets for engaging said standards, cooperating jaw members, clamping screws engaging both of said jaw members, and removable clips engaging both of said jaw members, said clips being apertured for the passage of said screws.

1,506,135. TICKET HOLDER AND CUTTER. CHARLES T. RASCHICK, St. Paul, Minn. Filed Jan. 10, 1921. Serial No. 436,093. 3 Claims. (Cl. 164—119.)



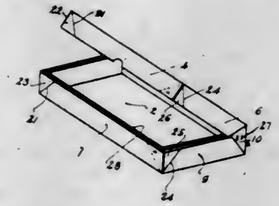
1. A device of the class described formed from a single piece of sheet metal, comprising a cutter, a shearing tongue formed from the body of said device and cooperating with a member formed on said device, inclined upwardly therefrom to form shearing means, said inclined member extending in front of said tongue when in released position to provide a guard to conceal the same.

1,506,136. INDUSTRIAL TRUCK. EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker R. & L. Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 19, 1922. Serial No. 530,460. 23 Claims. (Cl. 298—21.)



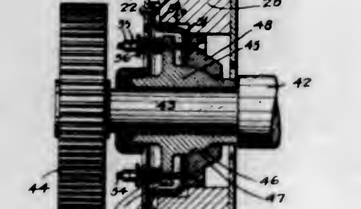
1. In apparatus of the class described, the combination of a truck frame having an elevating platform thereon arranged to removably receive a support or holder, wheels for supporting said frame, devices disposed at opposite sides of said platform and movable upwardly to engage the ends of the support or holder projecting laterally beyond said elevating platform to tilt it, and means on said frame for operating said tilting devices.

1,506,137. COLLAPSIBLE ONE-PIECE REENFORCED SUIT BOX. GEORGE E. SCRUBY, Birmingham, Ala. Filed Mar. 10, 1923. Serial No. 624,065. 14 Claims. (Cl. 229—41.)



14. In a collapsible paper box, a bottom having foldable marginal walls, and a reinforcement mounted to fold with one of said marginal walls and formed by a plurality of walls adapted to be expanded into a frame shaped to fit snugly into, and to reinforce the several marginal walls of, said bottom.

1,506,138. SHEET-SEVERING DEVICE. GUSTAV SEIBT, St. Louis, Mo. Filed Jan. 29, 1923. Serial No. 615,614. 5 Claims. (Cl. 164—42.)



1. An apparatus for severing a sheet into narrow strips, comprising a table adapted to have a sheet positioned thereon, a cutting device arranged beyond one end of said table for severing the sheet into narrow strips, means for receiving the severed strips and collecting and holding them in a pile, a rotatable feeding device for moving the sheet into position to be acted upon by said cutting device, an actuating mechanism for imparting a step by step movement to said feeding device, and means on the cutter that is adapted to engage said actuating mechanism and impart movement to same when the cutter moves into its inoperative position.

1,506,139. HAIR-CUTTING APPLIANCE. SAMUEL SEVERSON, Valders, Wis. Filed July 23, 1923. Serial No. 653,258. 7 Claims. (Cl. 30—1.)

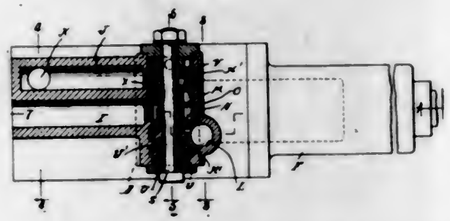
1. In an appliance of the class described, a handle member, cutting means carried thereby, means for creating a suction at the cutting means whereby the hair to be cut is drawn into engagement therewith, and a guard carried by the handle member providing means for causing the maximum force of the suction to be exerted on the hair over which the cutting means is moved.

1,506,140. FURNACE RETORT. CHARLES HOWARD SMITH, Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va., a Corporation of Virginia. Filed Sept. 9, 1918. Serial No. 253,189. 2 Claims. (Cl. 64—10.)

1. A furnace retort having a vertically and transversely extending end plate, a longitudinally rotating shaft located within the retort, an annular member

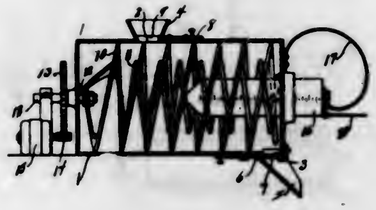
flanged at each end, one of said flanges being connected to said end plate, a member having a spherical socket and secured in place to the flange at the other end of the member, a bearing member in which there is seated a trunnion on said shaft, which bearing member has an outer spherical portion that fits the socket member; and spring means extending from the socket member to the bearing member for maintaining the bearing member against its socket member.

1,506,141. PNEUMATIC TOOL. WILLIAM A. SMITH and CLARENCE H. DOCKHAM, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed June 6, 1921. Serial No. 475,536. 7 Claims. (Cl. 121—18.)



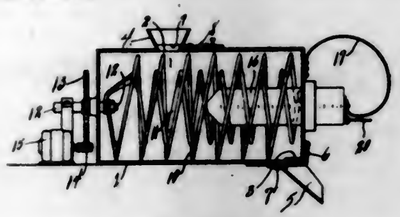
1. In a pneumatic tool, the combination with a piston and a cylinder having a main exhaust port over-run by said piston, of a valve construction comprising a cylindrical casing having portions of different diameters with a pressure supply port intermediate the same, a valve having heads fitting the portions of different diameters and subjected to differential pressure of the fluid supply, a leak passage from the fluid supply to the end of the casing of larger diameter and a passage from said end of the casing to the cylinder in a position to be sealed by the piston while at one end of its stroke and to be in communication with the main exhaust port when said piston is at the opposite end of its stroke, whereby pressure on the large area end of the valve is alternately built up and exhausted.

1,506,142. APPARATUS FOR MIXING CONCRETE UNDER PRESSURE. ROBERT C. STUBBS, Dallas, Tex. Filed Jan. 23, 1923. Serial No. 614,388. 14 Claims. (Cl. 83—73.)



1. A machine for mixing concrete and other plastic material comprising a drum in fixed position and provided with a closable inlet opening and a closable discharge opening, a screw-shaped vane mounted in the drum, means for driving the vane and mechanical means for compressing the material being mixed so as to fill the voids therein and also to compact the binder material on the coarse aggregate.

1,506,143. PROCESS OF MIXING CONCRETE AND OTHER PLASTICS. ROBERT C. STUBBS, Dallas, Tex. Filed Jan. 23, 1923. Serial No. 614,389. 10 Claims. (Cl. 83—73.)



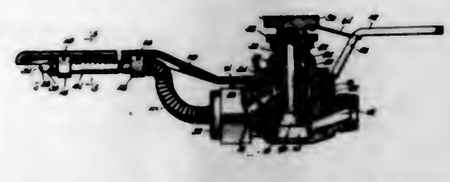
1. A process of mixing concrete or other plastic comprising the moving of the central portion of a plastic mass in one direction and the outer surrounding portion in the opposite direction in a confining vessel and applying movable mechanical pressure to said mass for securing frictional contact of the particles on each other.

1,506,144. SAFETY BACKGROUND FOR CHECKS OR OTHER DOCUMENTS. EDWARD M. WEEKS, Washington, D. C. Filed Apr. 15, 1922. Serial No. 552,881. 6 Claims. (Cl. 283—9.)



1. A safety base for bank checks and other documents characterized by a series of color bands successively blending into each other and produced by a multiplicity of independent parallel lines of graduated width.

1,506,145. GAS IGNITER. GEORGE M. WILLIS, Chicago, and ARTHUR H. ROETTCHER, Evanston, Ill., assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 27, 1923. Serial No. 634,952. 10 Claims. (Cl. 158—115.)



1. In a gas igniter, in combination, valve mechanism, a pivotally mounted projector, a flexible conduit connection between said valve mechanism and said projector to permit the latter to be swung, and automatic means for opening said valve when said projector is swung.

1,506,146. AEROPLANE. HENRY ZIEMSS, Jr., Chicago, Ill. Filed Feb. 12, 1919. Serial No. 276,482. 40 Claims. (Cl. 244—12.)

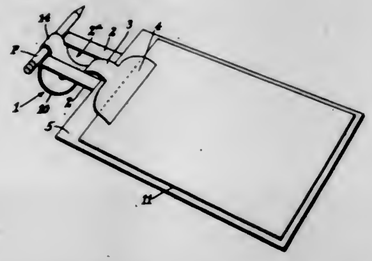
1. In an aeroplane, a variable camber wing comprising a front spar, a rear spar, and a plurality of ribs each comprising a central section, a forward section and a rear section, said sections including upper and lower flange portions and means for spacing said flange

portions apart, the upper flange portion of the rear section having a sliding connection with the rear spar and the lower flange portions of each of the sections having sliding connections with the forward and rear spars, and



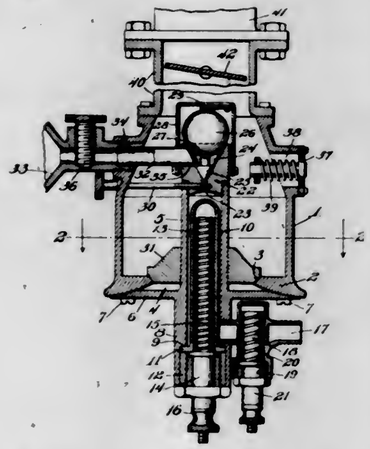
a pneumatic tube entered between the lower flange portion of the central section and the spacing means thereof, said tube having a connection for admitting and exhausting air under pressure.

1,506,147. HOLDING DEVICE. FRED ABBOTT, Watts, Calif. Filed Nov. 13, 1923. Serial No. 674,447. 2 Claims. (Cl. 24—66.)



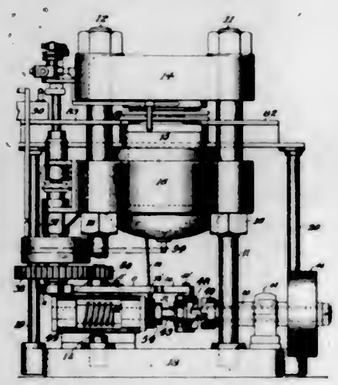
1. A holding device consisting of an approximately S-shaped strip of resilient material having free or disconnected ends at one extremity of the S, one of said ends being bifurcated to provide two limbs, the other end of said strip passing between said limbs and being provided with a clamping head, and a base to cooperate with said head to which the other end of said strip is secured.

1,506,148. CARBURETOR VAPORIZER. VIRGIL CHARLIE ANDERSON, San Francisco, Calif., assignor of one-half to Charles T. H. Wright, San Francisco, Calif. Filed July 21, 1923. Serial No. 653,043. 7 Claims. (Cl. 48—103.)



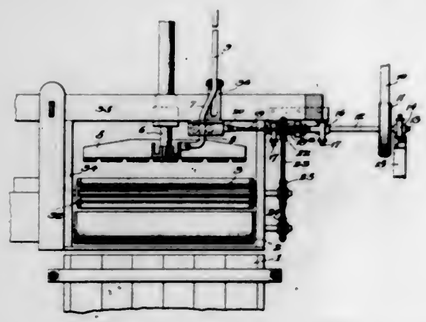
1. A carburetor vaporizer for internal combustion engines, comprising a casing having a fuel tube therein, a cylindrical heating element arranged within and spaced from the interior of the fuel tube to define a narrow fuel channel lengthwise said tube, means for heating said element, a fuel jet passage arranged at the end of the fuel tube, a gravity operated valve for controlling said passage, and means bearing on said valve and serving as a fuel spreader beyond the valve.

1,506,149. MACHINE FOR MOLDING PLASTIC MATERIAL AND THE LIKE. GEORGE W. BEADLE, Stamford, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Apr. 16, 1920. Serial No. 374,484. 49 Claims. (Cl. 18—53.)



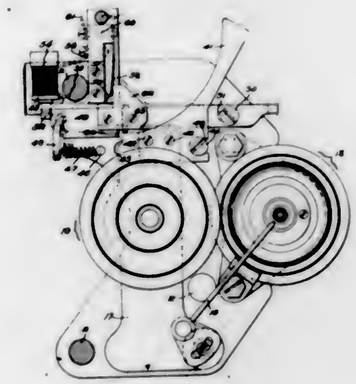
1. In a machine for pressing records, a pair of dies both of which are adapted to face up preparatory to receiving record material but otherwise are in facing alignment, said dies comprising a record forming mold, a plurality of such molds connected to a common rotatable means adapted to successively rotate them in'o and out of pressing position, means for supporting the molds during their rotation, in combination wi h means for successively pressing the dies toward each other to give form to the material between them.

1,506,150. PRESS FEEDER. JAMES T. BEATY, Charlotte, N. C., assignor to Liddell Company, Charlotte, N. C., a Corporation of North Carolina. Filed July 27, 1923. Serial No. 654,200. 3 Claims. (Cl. 100—25.)



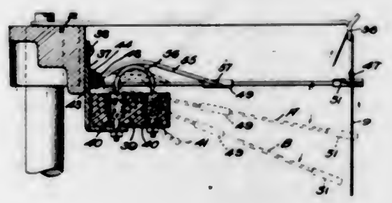
1. In a device of the character described, means to carry cotton from a condenser, upper and lower rollers located adjacent said means, the upper of said rollers having bearings permitting upward and downward movement of said roller, a baffle board operatively connected to said upper roller and means to operate said rollers.

1,506,151. DRIVING MECHANISM FOR KNITTING MACHINES. ALBERT E. BERDON', Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Aug. 19, 1921. Serial No. 493,638. 12 Claims. (Cl. 66—7.)



1. A knitting organization comprising in combination, a rotary knitting head, a driving disk therefor, a lever carrying said driving disk, an electrical stop motion including an electromagnet, a movable member carrying an armature, and means whereby said movable member is positioned by the movement of said lever to drive said knitting head, and to bring said armature into position where it may be engaged by said electromagnet.

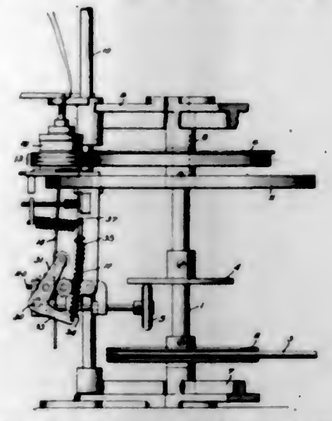
1,506,152. STOP MECHANISM FOR KNITTING MACHINES. ALBERT E. BERDON', Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Aug. 19, 1921. Serial No. 493,639. 10 Claims. (Cl. 66—7.)



1. Knot detecting and stopping mechanism for textile machines comprising in combination, a contact member and a second contact member composed of two levers, the first of which bears upon the second and has a contact, said second lever having a slot or opening for the detection of knots.

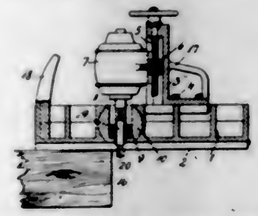
1,506,153. TAKE UP MECHANISM FOR KNITTING MACHINES. ALBERT E. BERDON', Detroit, Mich., assignor, by mesne assignments, to James K. Lanning, Fall River, Mass. Filed Aug. 19, 1921. Serial No. 493,641. 14 Claims. (Cl. 66—9.)

1. Take-up mechanism for knitting and like machines comprising take-up rolls, a movable frame wherein said rolls are mounted, driving means for said rolls supported by said frame, said driving means being movable into and out of driving relation to the prime driving means, and



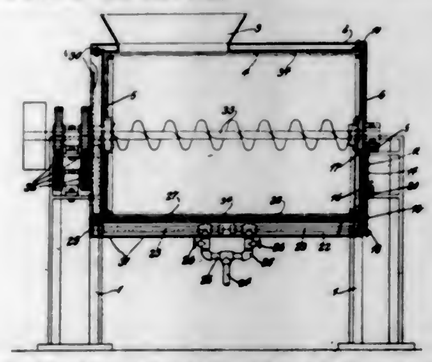
means carried by said frame and adapted to engage the product and to maintain the tension thereof substantially constant at all times.

1,506,154. UNIVERSAL MACHINE FOR JOINERY WORK. HANS JENS VILHELM BERTHELSEN, AXEL LOUIS HANSEN, and JENS JENSEN, Copenhagen, Denmark. Filed Feb. 26, 1924. Serial No. 695,293. 7 Claims. (Cl. 144—3.)



1. A universal machine for joinery work comprising in combination a body having a plane work engaging face, a motor on the body, a shaft coupled to the motor and extending through the body in substantially perpendicular relation to the plane of said face, means for coupling a tool to said shaft and grooves arranged in the body for the purpose of securing to said body suitable guiding members for the matter to be treated.

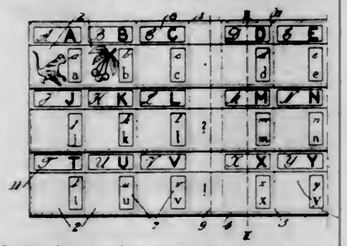
1,506,155. POP-CORN-CANDY MIXER. ADDISON BISHOP, St. Louis, Mo. Filed Dec. 27, 1921. Serial No. 524,859. 4 Claims. (Cl. 126—350.)



4. A machine of the character described, comprising a stationary cylinder of relatively large diameter, a feeding-in hopper for conducting material into the cylinder, a wall

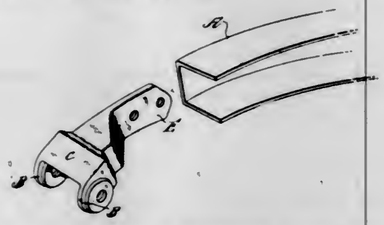
surrounding the cylinder and forming a space for confining heated air around the cylinder, a door closing said space at one end, a heating device supported within said space below the cylinder, and a deflector device supported within said space between said heating device and the cylinder wall.

1,506,156. DISPLAY HOLDER AND CONTAINER FOR EDUCATIONAL CARDS. ANNA BJÖRKLUND-ÅSPERÉN, Stockholm, Sweden. Filed Feb. 23, 1923. Serial No. 620,761. 8 Claims. (Cl. 35—9.)



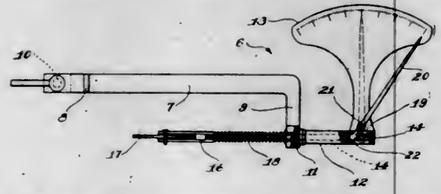
1. A device for keeping loose characters, and for serving as an exercise book for teaching in the infant school consisting of a sheet of a suitable material provided on one side with a number of pockets for keeping such characters and adapted to be folded into a size corresponding to the size of a text book, the pockets having been formed by firstly folding the sheet so as to form long horizontal pockets, situated the one above the other, and then dividing said horizontal long pockets vertically so as to form pockets of the desired size.

1,506,157. PRESSED-STEEL SPRING HANGER FOR AUTOMOBILE FRAMES. GEORGE C. BRAINARD, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Substitute for application Serial No. 287,281, filed Apr. 3, 1919. This application filed May 27, 1921. Serial No. 473,053. 3 Claims. (Cl. 267—54.)



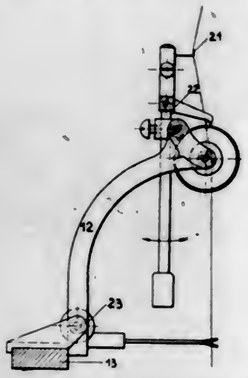
1. A spring hanger for automobile frames comprising parallel ears and a connecting member integral therewith and converging wing members integral with the ears and connecting member and forming a channel therewith and adapted to be connected to the end of an automobile frame.

1,506,158. INDICATOR FOR CENTERING TIRES. HUMPHRIES W. BREWER, Dubois, Pa. Filed Dec. 3, 1923. Serial No. 678,172. 9 Claims. (Cl. 33—172.)



1. The combination in a device for use with a turning machine having a rotating bed or table for carrying the work member to be centered and a tool carrier mounted for movement transversely thereof, of a centering device comprising a frame detachably supported from the tool carrier, an operating member mounted for movement on the frame and adapted to engage the annular portion of the work member to be centered, and indicating means carried by the frame and connected to said operating member.

1,506,159. WINDING DEVICE FOR YARNS. XAVER BRÜGGER, Horgen, Switzerland. Filed June 22, 1923. Serial No. 647,166. 2 Claims. (Cl. 242—147.)



1. In a winding device, a supporting arm, a pair of spring-compressed tension discs carried thereby, swinging arm pivoted on the supporting arm, a weight for the lower end of said swinging arm, a thread eye at the upper end thereof and a pawl carried by said arm and cooperating with the edge of one of said discs.

1,506,160. PHONOGRAPH. GEORGE B. BURCH, New York, N. Y., assignor to Leslie Stevens, Glen Ridge, N. J. Filed Mar. 8, 1918. Serial No. 221,285. 3 Claims. (Cl. 181—82.)

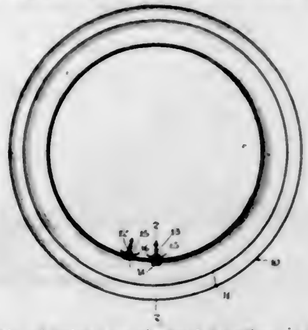


1. An acoustic device, comprising a large, direct-acting vibratory diaphragm of conoidal form the outer surface of which is concavely curved from its apex outward in all radial directions.

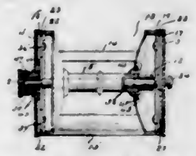
1,506,161. INNER TUBE FOR PNEUMATIC TIRES. WILLIAM ADDISON CALDWELL, Manila, Philippine Islands. Filed July 28, 1921. Serial No. 488,115. 1 Claim. (Cl. 152—22.)

In combination with a pneumatic tire casing, a pair of inner tubes, the innermost one of which is normally of less size than the outermost one and disposed within

said outer tube and adapted to be partially inflated initially and remain in that condition until puncture of the outer tube, an inflation stem extending transversely through both of said tubes at their inner circumferential center, and communicating at its inner end with the innermost tube, means carried on said stem and adapted to be forced against the outer face of the outer tube whereby the pair of tubes are clamped together and the stem openings therein sealed, a second inflation stem communicating at its inner end with the outer tube only, and disposed in the same circumferential center plane as the first named inflation stem, and means carried on said second inflation stem whereby to seal the stem opening of the outer tube.

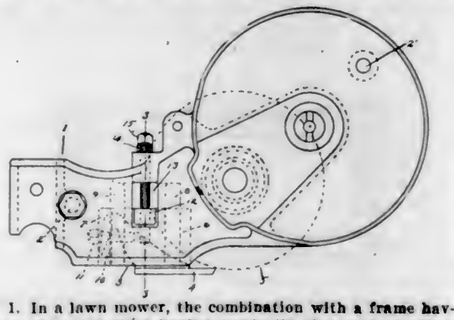


1,506,162. FISHING REEL. PLINY CATUCCI, Newark, N. J. Filed July 22, 1922. Serial No. 576,716. 9 Claims. (Cl. 242—84.1.)



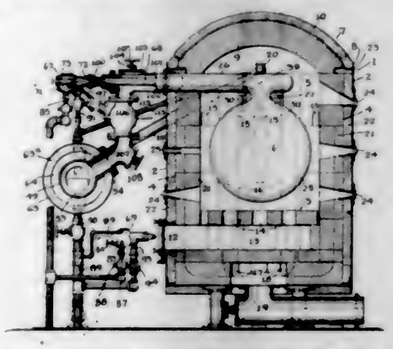
1. In a fishing reel, the combination of a cylindrical reel frame, having a recess in the end thereof, an internal circumferential groove spaced from said recess to form a circumferential tongue between said groove and recess, a head plate fitted into said recess and a locking member secured to said head plate and having offset ends at diametrical points for engagement with and rotation in said groove, said locking member having a rigid arm thereon for engagement with said tongue, whereby, said head plate may be locked to the ends of said reel frame.

1,506,163. LAWN MOWER. ARTHUR J. COLDWELL, Lansing, Mich., assignor to Ideal Engine Company, Lansing, Mich., a Corporation of Michigan. Filed Oct. 22, 1921. Serial No. 509,699. 8 Claims. (Cl. 56—294.)



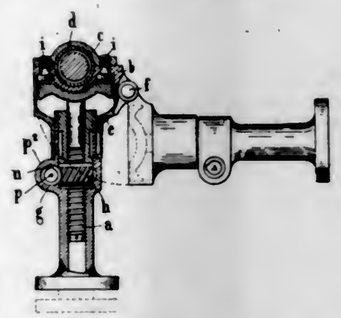
1. In a lawn mower, the combination with a frame having sides, said sides having vertically elongated openings therein, of a cutter bar extending between said frame sides and provided with tongues at its opposite ends engaging in said openings, guides upon said frame sides adapted for sliding engagement by the ends of said cutter bar, means upon said frame sides and engaging said tongues for adjustably raising the ends of said cutter bar, and adjustable stops upon said frame sides engageable with said tongues for holding the ends of said cutter bar in their adjusted positions.

1,506,164. PROCESS OF AND APPARATUS FOR MAKING GAS. WALTER C. DAYTON, Rutherford, N. J., assignor to General Oil Gas Corporation, Bristol, Va., a Corporation of Virginia. Filed Aug. 9, 1920. Serial No. 402,170. 18 Claims. (Cl. 48—107.)



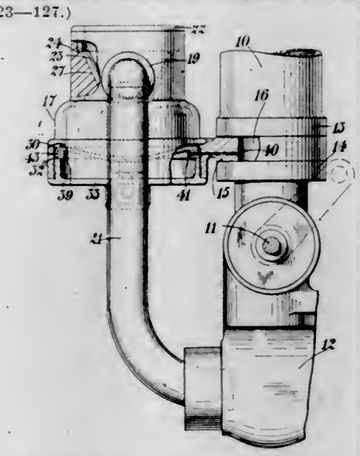
7. The process which consists in delivering air under pressure through a heat interchanging device to a mixing device and also independently supplying oil into said mixing device while maintaining substantially constant a predetermined proportion of air and oil, the air being insufficient in amount to completely burn the oil, introducing the mixture from said mixing device to a heated reaction zone whereat partial combustion takes place, withdrawing the resulting gas and passing the same through said heat interchanging device.

1,506,165. APPARATUS FOR PREVENTING THEFT OR UNAUTHORIZED USE OF MOTOR VEHICLES. DAVID DOYLE, Sydenham, London, England. Original application filed Apr. 6, 1920, Serial No. 371,705. Divided and this application filed Feb. 16, 1922. Serial No. 537,090. 6 Claims. (Cl. 254—86.)



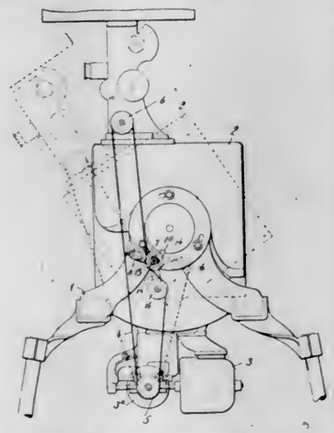
6. In a motor vehicle the combination of a jack carried upon an axle of the vehicle and adapted to assume a vertical position, means comprising a worm for extending the jack when in such vertical position for raising the axle and a rotary member within said worm casing adapted to be rotated with the worm when an appropriate combination key is employed and means for rendering the worm inoperative in the direction for lowering the jack when said combination key is not employed.

1,506,166. REGULATION OF THE COMBUSTIBLE MIXTURE IN INTERNAL-COMBUSTION ENGINES. ALBERT ARTHUR MOLTENO DURRANT, London, England, assignor to The London General Omnibus Company Limited, London, England, a British Company. Filed Jan. 2, 1923. Serial No. 610,394. 5 Claims. (Cl. 123—127.)



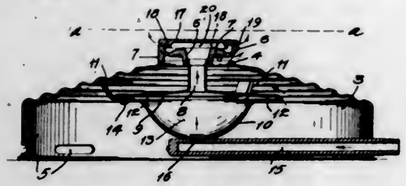
1. The combination of an induction conduit for fuel and air leading to the cylinder of an internal-combustion engine, a valve controlling said conduit, a carburetor supplying said conduit, a supply conduit for the supply of a gaseous anti-detonating agent to the air intake of the carburetor, a valve controlling said supply conduit, a chamber connected to said induction conduit at the cylinder side of the first said valve, a controlling member operatively connected with the latter valve and movable in said chamber under the suction action therein in a direction to close the latter valve, and a spring operative on the second said valve tending to open the same against the suction action on said controlling member.

1,506,167. TENSION REGULATOR FOR DRIVING BELTS. WILLIAM ELLWOOD, New York, N. Y., assignor to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 17, 1921. Serial No. 452,902. 7 Claims. (Cl. 64—5.)



1. In a picture projector, a driving motor, a driving pulley for the projector mechanism operated by said motor, said pulley being movable bodily upon tilting of the projector mechanism, a driving belt for transmitting power between said motor and said pulley and means for maintaining a substantially uniform tension on said belt for all positions of said driving pulley comprising a pair of adjusting pulleys disposed on opposite sides of said belt, one of said adjusting pulleys being normally fixed relative to the frame of the projector and the other of said pulleys being bodily movable, and means for holding said movable pulley against said belt with a substantially constant force.

1,506,168. GAS BURNER. CHRISTEN K. ERIKSTRUP, Luck, Wis. Filed Aug. 29, 1923. Serial No. 659,935. 6 Claims. (Cl. 158—99.)



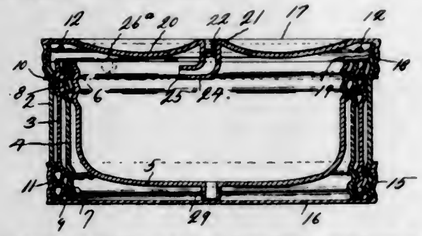
1. A burner of the kind described comprising a primary mixing chamber having a surrounding substantially continuous air intake passage, a gas pipe connected to said mixing chamber through the bottom thereof, a secondary mixing chamber overlying said primary mixing chamber, a contracted neck connecting said two mixing chambers, said secondary mixing chamber having a surrounding substantially continuous gas-discharge passageway.

1,506,169. WASHBOARD. CHARLES A. FETTERS, Washington, D. C. Filed June 15, 1921. Serial No. 477,704. 2 Claims. (Cl. 68—29.)



1. A wash board formed from a single piece of pliable rubber, vacuum cup means carried by the rear side thereof whereby said wash board may be attached and held on a smooth surface.

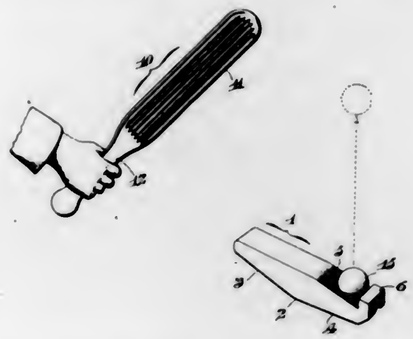
1,506,170. SYRINGE. CHARLES A. FETTERS, Washington, D. C. Filed Aug. 29, 1921. Serial No. 496,365. 4 Claims. (Cl. 128—227.)



1. A device of the character described comprising a receptacle formed from a plurality of detachably connected collapsible sections, said sections telescopically engaging

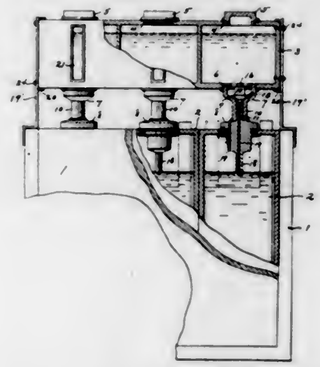
each other, a cover on the upepr end of the outer section, said cover forming a seat for the operator and having means whereby a nozzle may be received and liquid conveyed to the nozzle.

1,506,171. GAME APPARATUS. CHRISTIAN FILBERG, Philadelphia, Pa. Filed Jan. 5, 1922. Serial No. 527,080. 1 Claim. (Cl. 46—59.)



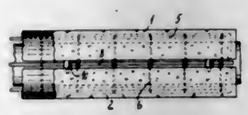
In a game apparatus of the kind hereinbefore described, a block of obtuse-angled longitudinal section providing a transverse fulcrum whereon said block may be rocked when struck at the elevated end, the top surface of the opposite end of said block being declined outwardly to an upstanding transverse end projection of a height closely aligning with the axis of the ball to be used with said block whereby the vertical projection of said ball is aided when the opposed end of the block is struck, a concavity adjacent thereto providing a ball seat, and the forward end of said block having the underside longitudinally hollowed out to lighten the ball sustaining end thereof so as to oppose a striking force with minimum restivity.

1,506,172. BATTERY FILLER. FRANK H. FREDETTE, Newark, N. J., assignor, by mesne assignments, to Louis Cassinelli, Newark, N. J. Filed May 11, 1920. Serial No. 380,448. 2 Claims. (Cl. 137—68.)



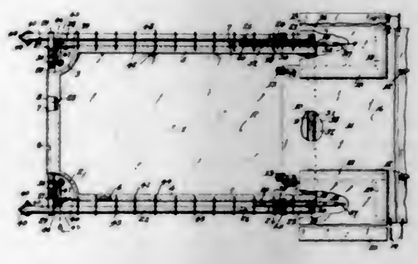
2. In combination with a storage battery cell, a closed filler tank adapted to be supported upon and above said cell, a separable tubular connection between the bottom of said tank and the top of said cell, comprising a valve case fitted to an opening in the bottom of said tank and having an elongated tubular discharge stem, and a cell cap having an elongated tubular stem extending from the normal liquid level in said cell to a point within said discharge stem, and a valve yieldingly held upon its seat within said case and adapted to be unseated as and when said cap stem is inserted into said discharge stem in placing said tank in position, and whereby said valve is automatically seated by the removal of said tank from said cell.

1,506,173. METHOD OF PRODUCING CONCRETE POLES. HANS ENGELHARDT HAGEN and JACOB KJÖTSRUD, Arendal, Norway. Filed Nov. 17, 1919. Serial No. 338,570. Renewed Feb. 7, 1924. 1 claim. (Cl. 72—82.)



A method of making a hollow concrete pole consisting in placing longitudinally extending bars and intertwisted cross-wires in two semi-circular chambers, spacing said bars and wires from the curved surfaces of said chambers, placing concrete in said spaces to form with said bars and wires two half sleeves of reinforced concrete, permitting said concrete to harden, then placing the longitudinal edges of one half sleeve adjacent to the longitudinal edges of the other half sleeve and connecting the cross-wires of one half sleeve to the cross-wires of the other half-sleeve, and placing concrete over the points of connection to provide a substantially cylindrical hollow pole.

1,506,174. COMBINATION LUGGAGE CARRIER AND BED. CHARLES HAMMOND and LAWRENCE S. OGLE, Phoenix, Ariz., assignors of one-half to J. A. Kleinsmid and E. F. Evants, both of Phoenix, Ariz. Filed Sept. 20, 1922. Serial No. 589,482. 6 Claims. (Cl. 5—119.)

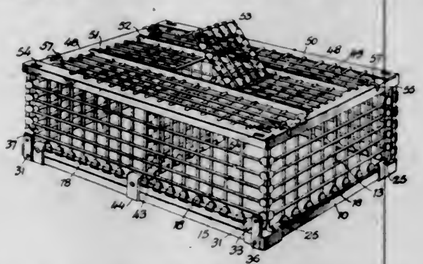


1. A device for the purpose set forth comprising a pair of sectional and foldable side rails, and an end rail, an end rail element, means for slidably connecting said element to said side rails, a foldable flexible body connected to said element and end rail, means for adjustably positioning said element longitudinally of the side rails to maintain said body extended, supporting legs hinged to said side rails, coupling members for connecting said body to said side rails, and supporting brackets carried by the end rail.

1,506,175. COLLAPSIBLE CRATE. JEFFERSON D. HANNAH, Fayetteville, Ark. Filed Mar. 20, 1923. Serial No. 626,323. 4 Claims. (Cl. 217—47.)

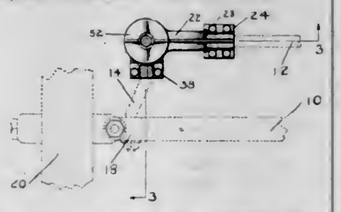
1. A poultry crate comprising a floor, side and end panels, a hinge member secured to a corner of the floor and hinging the side and end panels, said hinge having

a vertical extension formed integrally therewith and extending above the level of the floor, and a cover hav-



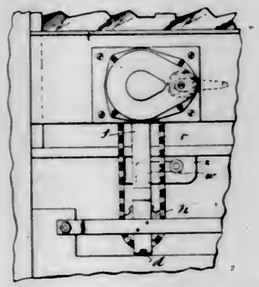
ing a slot to receive said vertical extension when the crate is in its folded position, said cover being adapted to be secured to said vertical extension.

1,506,176. STEERING-ROD ATTACHMENT. OLIVER E. HARLEY, Louisville, Ky. Filed June 11, 1923. Serial No. 644,548. 2 Claims. (Cl. 280—89.)



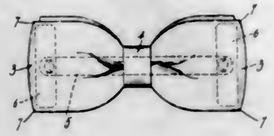
1. A steering-rod attachment including an arm having one end adapted to grip the connecting-rod of a steering apparatus and a plate integral with the other end of said arm and overhanging the steering connection, a member adapted to grip the spindle-arm of the steering device, a plate integral with said member and adapted to co-operate with the plate on the aforesaid arm, and resilient frictional means connecting said plates, said resilient frictional means including a set of friction plates, a spring acting on said plates, and a pivotal bolt, distinct from the steering knuckle bolt, fitted into concentric openings in said plates.

1,506,177. CLUTCH. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Original application filed Apr. 27, 1921, Serial No. 464,870. Divided and this application filed Sept. 15, 1922. Serial No. 588,328. 7 Claims. (Cl. 192—8.)



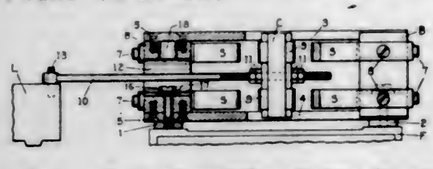
1. A clutch, having in combination, a cylindrical casing, a cam rotatably supported therein and arranged for connection with the driven parts, a plurality of rotatable members supported about said clutch in proximity to the cylindrical casing, and a driving plate for engaging the said rotating members when the clutch parts are actuated by the driving parts and springs for yieldingly forcing said rotating members against the driving plate, said cam being shaped to thrust the rotating members into locking arrangement with the casing when any reverse actuation occurs from the driven parts.

1,506,178. MAN'S NECKWEAR. JAMES A. HEWES, Melrose, Mass., assignor to James A. Hewes and Frank W. Potter, Copartners, doing business as Hewes & Potter, Boston, Mass. Filed Mar. 22, 1923. Serial No. 626,799. 1 Claim. (Cl. 2—154.)



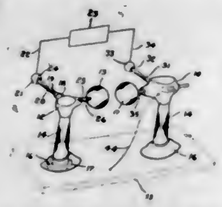
A bow tie including a frame comprising a longitudinal member of pliable metal readily bendable to impart a variety of shapes to the tie, and narrow strips of rigid material secured to the ends of said longitudinal member and at right angles thereto, the length of each of said strips being approximately the width of the bow and located near its outer end.

1,506,179. DETACHABLE-UNIT CIRCUIT CONTROLLER FOR INTERLOCKING MACHINES. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Nov. 2, 1920. Serial No. 421,407. 3 Claims. (Cl. 173—303.)



1. In a unit circuit controller structure for interlocking machines of the type shown and described, in which the circuit controller units are arranged close together side by side in a row and are fastened to spaced frame members, end blocks having central openings alined horizontally and adapted to receive an operating rod, each end block having a hole extending downward from said central opening, screws in said holes and fastening said end blocks to said frame members, each of said end blocks also having a passage in its upper portion disposed to permit the insertion of a tool from above for turning the screw, whereby any circuit controller unit may be removed from above without disturbing adjacent units.

1,506,180. SPARK GAP. EDWIN S. HUMPHREYS and FRANK MATTERN, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 557,196. 17 Claims. (Cl. 171—95.)



2. In a device of the character described, a source of electrical energy whose difference of potential is to be measured, a spark gap for measuring said difference

of potential, electromagnetic means for automatically causing an indication of the spacing of the elements of said gap when the initial discharge passes between them upon movement of said elements toward one another.

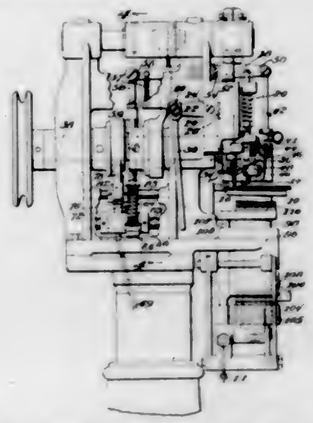
15. In a device of the character described, a source of electrical energy whose difference in potential is to be measured, a spark gap for measuring said difference in potential and means for indicating the spacing of the elements of said gap at which the initial discharge passes after movement of said elements beyond said spacing.

1,506,181. DEFERRED-ACTION DRY BATTERY. ALTON KARL HUNTLEY, Madison, Wis., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Apr. 22, 1921. Serial No. 463,501. 6 Claims. (Cl. 204—38.)



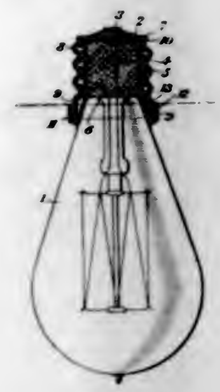
1. A dry battery comprising a plurality of cartridge electrodes, a plurality of zinc electrodes respectively surrounding the same and spaced therefrom, activating material supported out of contact with the cartridge electrodes in the inactive position of the battery, and means for forcing said activating material into operative relation with the electrodes by manipulation of the battery parts.

1,506,182. STOCK-FITTING MACHINE. ALBERT E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 14, 1919. Serial No. 289,889. 42 Claims. (Cl. 12—27.)



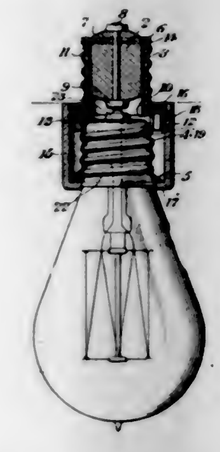
5. A stock fitting machine having, in combination, intermittently acting means for feeding an unattached sole blank, a knife for operating upon the margin of the blank, normally-idle means for positioning the knife relatively to the blank, and means for insuring that said positioning movement takes place during intervals of rest in the feeding movement of the blank.

1,506,183. ELECTRIC LAMP. LOUIS KELLNER, Brooklyn, N. Y. Filed Nov. 29, 1921. Serial No. 518,715. 6 Claims. (Cl. 176—31.)



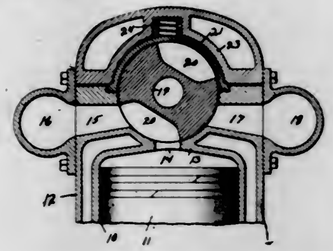
2. An electric lamp comprising a bulb, a loosely rotatable threaded sleeve of conducting material mounted on the terminal end thereof and adapted to screw into a lamp socket, a ring of insulating material secured to the lamp and fitting over the end of the sleeve adjacent the lamp bulb, means for temporarily locking the sleeve to the lamp to turn therewith, and contacts carried by the lamp.

1,506,184. SAFETY PLUG AND LAMP SOCKET. LOUIS KELLNER, Brooklyn, N. Y. Filed Nov. 29, 1921. Serial No. 518,716. 7 Claims. (Cl. 173—356.)



1. A plug connector comprising a holder for an insulation plug and a terminal contact, an internally threaded lamp socket carried by the said holder and rigid therewith, an externally threaded connector sleeve surrounding the holder and rotatable thereon, a freely rotatable insulating guard and operating sleeve surrounding the lamp socket, means for locking the socket and the connector sleeve against longitudinal movement with relation to the operating sleeve, and means for temporarily locking the lamp socket and the connector sleeve to the operating sleeve within said sleeve to rotate therewith.

1,506,185. CASING OR BEARING FOR VALVES OR OTHER MOVING PARTS. JOSEPH H. LEHMAN, Hasbrouck Heights, N. J. Filed Sept. 27, 1922, Serial No. 590,810. Renewed Nov. 14, 1923. 14 Claims. (Cl. 123—190.)



14. In combination a valve casing having an aperture and a cylindrical rotary valve within said aperture, a portion of the peripheral wall of said aperture being formed of a member adapted to receive heat from and be maintained at substantially the same temperature as said valve and mounted to move in a radial direction by its own expansion upon being heated, said member being rigidly supported to resist radial movement by pressure thereon from the valve itself.

1,506,186. SPRING STRUCTURE. DAVID T. OWEN and WESLEY G. LEHMANN, Cleveland, Ohio; said Lehmann assignor to said Owen. Filed Sept. 22, 1922. Serial No. 589,750. 7 Claims. (Cl. 5—259.)



1. A spring structure, comprising adjoining wires and metal connecting clips therefor, said clips and wires being locked in rigid union where connected together by indentations formed in both the wires and clips.

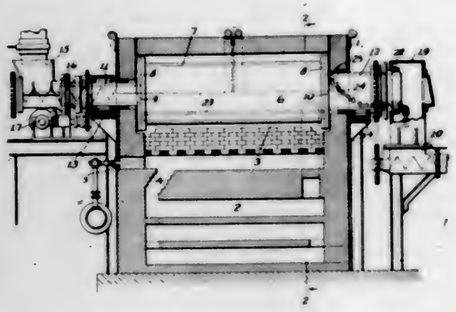
1,506,187. METAL TIE FOR SPRING STRUCTURES. DAVID T. OWEN and WESLEY G. LEHMANN, Cleveland, Ohio; said Lehmann assignor to said Owen. Filed Nov. 2, 1922. Serial No. 598,475. 2 Claims. (Cl. 5—270.)



1. A spring structure comprising adjoining wire and a metal connecting clip therefor, said clip and one of said wires being locked in rigid union where connected together by an indentation formed in both the wire and the clip, said clip and another of said wires being hinged together.

1,506,188. FURNACE RETORT. JOHN W. MCLAUGHLIN, Fairmont, W. Va., and GEORGE H. GELL, South Clinchfield, Va., assignors to Clinchfield Carbocoal Corporation, Bristol, Va., a Corporation of Virginia. Filed June 20, 1921. Serial No. 478,873. 8 Claims. (Cl. 202—4.)

8. A furnace-retort having a rotatable retort shell, mounted in respect to the masonry structure of the furnace in such a manner that heat from the furnace can be transmitted to and through the walls of the retort to the material being treated within the retort shell, the retort being gas tight, except for offtake means by which evolved vapors and gases pass from the retort, the retort being provided with means for feeding coal or analogous material thereinto at one end and with means whereby the solid residues can pass from the

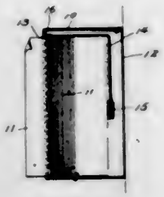


interior of the retort at the other end, said retort having located in said rotatable shell a member which is free to rise and fall as the retort rotates.

1,506,189. ELECTRIC CELL CONTAINING A SALT INHIBITING THE PRODUCTION OF GAS. ANNA A. MACKENZIE, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Nov. 4, 1920. Serial No. 421,744. 5 Claims. (Cl. 204—38.)

1. An electric cell subject to damage by a gas evolving reaction of the electrolyte, and containing an alkaline earth metal chlorid, whereby such reaction is substantially inhibited.

1,506,190. DISPENSING CABINET. MOSES M. MARCUSE, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,622. 5 Claims. (Cl. 211—29.)

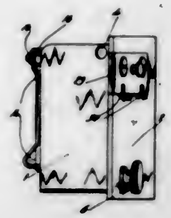


1. In a sheet dispensing cabinet provided with a delivery opening, a flexible weighted sheet feeding means connected to said cabinet adjacent the top and in proximity to the delivery opening and deflected away from said delivery opening by the package of sheets over which it is draped.

1,506,191. DATE-STAMPING DEVICE. ALBERT MARSH and HERBERT PHILIP ALMS, London, England. Filed Aug. 27, 1923. Serial No. 659,607. 7 Claims. (Cl. 101—66.)

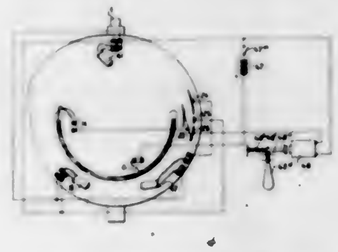
1. A date stamping device for ticket delivering machines, comprising hinged arms carrying printing means, a type ribbon mounted on a spool and passing round guides and over the printing means, a take-up spool adapted to be actuated automatically at each operation

of the device to feed the ribbon a small amount at each operation, a hinged frame carrying the date stamping device, a casing in which the frame is hinged so that



it may be turned about its hinge to give access to the mechanism, and clamping means for securing it in the casing at other times.

1,506,192. AUTOMATIC BOMB-DROPPING APPARATUS FOR AEROPLANES, AIRSHIPS, AND OTHER AIRCRAFT. NICOLAAS EVERHARD GROENEVELD MEIJER, Soerabaja, Dutch East Indies. Filed Jan. 16, 1924. Serial No. 686,625. 14 Claims. (Cl. 244—1.)

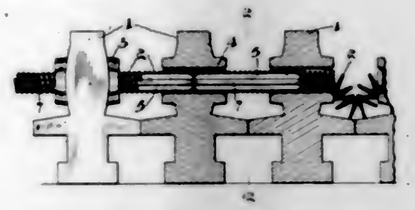


1. In automatic bomb dropping apparatus, a sight adapted to oscillate about an axis at right angles to the sight line, a support secured to said sight, gravity controlled means adapted to oscillate about the said axis, a member adapted for rotation about said axis, means tending to swing said member about said axis, a radially extending abutment on said member, a part associated with said member and adapted to cooperate with the gravity controlled means to close an energy circuit, means adapted under the control of said part to successively lock the said member in different angular positions relative to the support, a clockwork, means normally adapted to arrest the clockwork but arranged to be inoperative as long as the said member is locked in one position, an element adapted to be rectilinearly driven at a uniform speed by said clockwork, a piece associated with said element and adapted to be moved relative to said element through a rectilinear path intersecting the path of said abutment, means under the control of said part for moving said piece relative to said element, and bomb releasing means under the control of said part.

1,506,193. WATERPROOFING COMPOSITION FOR WALLS. OTTO K. MILLER, Okolona, Ky. Filed Oct. 12, 1923. Serial No. 668,175. 2 Claims. (Cl. 106—24.)

1. A waterproofing composition for walls including the following ingredients in approximately the following proportions: plaster of Paris, one portion; wood fibre, one portion; cement, two portions; and hydrated lime, one half portion.

1,506,194. SUPPORT FOR RESISTANCE WIRING. FREDERICK W. MOFFAT, Weston, Ontario, Canada. Filed Jan. 19, 1924. Serial No. 687,231. 8 Claims. (Cl. 219—63.)



1. The combination with a horizontally arranged helical electric heating element, and a plurality of external supports for said element, of an internal support extending axially through the element.

1,506,195. MINING MACHINE. HESS P. MORGAN, Lisbon, Ohio. Filed Jan. 31, 1923. Serial No. 616,039. 4 Claims. (Cl. 262—26.)



1. A mining machine comprising a casing provided with top and bottom sides and a vertical wall bridging the space therebetween, the vertical wall throughout its portion adjacent one end of the casing being disposed within the margins of the said top and bottom sides to form a guide channel, an endless chain travelling within said channel, a plurality of cutting elements located at opposite sides of the casing and adjacent its top and bottom, and gearing housed within the casing operatively connected with the said cutting elements and cleaning chain whereby to actuate the same.

1,506,196. DRY BATTERY. FLOYD DEWEY MOYER, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,789. 12 Claims. (Cl. 204—38.)



1. In a dry battery of the deferred action type, a depolarizing electrode having as exterior protective means, a dry bibulous coating which is expansible when wetted, and a second electrode separated from said coating by a space adapted to be occupied by said bibulous coating when the latter is expanded, and means whereby said bibulous coating may be wetted to activate said battery.

1,506,197. **WELL PUMP.** ANDREW J. NICHOLAS, Philadelphia, Pa., assignor to A. D. Cook, Inc., Lawrenceburg, Ind., a Corporation of Indiana. Filed Mar. 7, 1924. Serial No. 697,664. 3 Claims. (Cl. 103—1.)



1. A well pump having a plunger, and a plunger rod, said rod being hollow and opening into the bottom of the well, and means operating through said hollow rod for determining the depth of liquid in the well.

1,506,198. **STABILIZED GLAUCONITE AND METHOD OF MAKING SAME.** CARL H. NORDELL, Fort Wayne, Ind., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Jan. 17, 1924. Serial No. 686,897. 14 Claims. (Cl. 23—13.)

1. The method of stabilizing glauconite to better adapt it for use in softening water, comprising treating exhausted glauconite with sodium silicate.

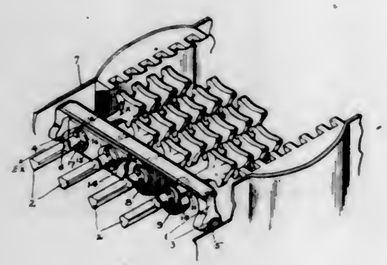
1,506,199. **CONTAINER-COVER HOLDER.** JOHN S. PEARSON, Belmar, N. J. Filed Mar. 28, 1922. Serial No. 547,398. 2 Claims. (Cl. 221—60.)



1. A container cap carrier comprising a bracket having an internally threaded opening at one end adapted to be screwed over a threaded container mouth and an externally threaded nipple rigidly secured to the other end of said bracket adapted to hold said cap when removed from said mouth.

1,506,200. **GRATE-BAR SUPPORT.** HAROLD F. PENNEY and CHARLES CLARK FRAUTZ, Geneva, N. Y., assignors to Phillips & Clark Stove Co. Inc., Geneva, N. Y., a Corporation of New York. Filed Mar. 8, 1923. Serial No. 623,788. 4 Claims. (Cl. 126—181.)

3. In a grate bar and support therefor, the combination of a bridge, a fork depending from each end of said bridge, a pair of studs supporting the forked ends of said bridge, a pair of bearing members depending from said bridge and having a hook-shaped bearing at each side thereof, grate bars adapted to rest in said hook-shaped bearings, a locking plate having a depression therein with a hole in the center thereof with a slot leading from the hole for each of said grate bars, a radial lug formed on each of said grate bars, said locking plate



being adapted to be placed over the ends of said grate bars with the grate bars projecting thru the holes in said depressions after said lugs have passed thru the slots leading from the holes in said depressions so as to rotate outside of said depressions on the rotation of said grate bars, said locking plate being adapted to hold said grate bars in said hook shaped bearings during their rotation.

1,506,201. **CASEIN GLUE.** HENRY L. PRESTHOLDT, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 554,193. 2 Claims. (Cl. 87—17.)

2. An adhesive composition made in accordance with the following formula:

	Parts.
Casein	50 to 75
Calcium hydroxide	10 to 20
Sodium phosphate	5 to 15
Sodium hyposulphite	2 to 8
Calcium chloride	2 to 5
Castor oil	1 to 4
Kerosene	2 to 7

1,506,202. **CASEIN GLUE.** HENRY L. PRESTHOLDT, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 554,195. 2 Claims. (Cl. 87—17.)

2. An adhesive composition made in accordance with the following formula:

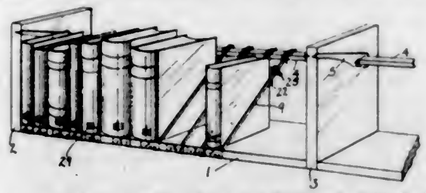
	Parts.
Casein	50 to 75
Dextrine	2 to 8
Starch	3 to 12
Calcium hydroxide	6 to 12
Magnesium oxide	10 to 20
Sodium hydroxide	2 to 8

1,506,203. **CASEIN GLUE.** HENRY L. PRESTHOLDT, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No 554,196. 2 Claims. (Cl. 87—17.)

2. An adhesive composition made in accordance with the following formula:

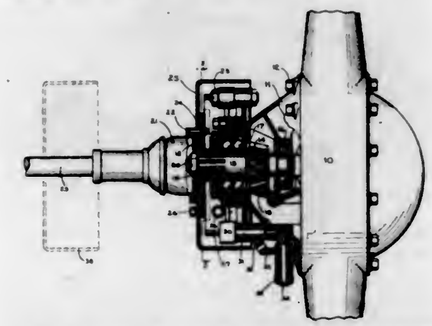
	Parts.
Casein	50 to 75
Dextrine	2 to 8
Calcium oxide	10 to 20
Sodium fluoride	2 to 10
Sodium chloride	1 to 5
Oil	1 to 4
Resin	1

1,506,204. **LIBRARY BOOK SUPPORT AND INDEX.** HAYDEN C. SNODDY, Houston, Tex. Filed Apr. 30, 1923. Serial No. 635,512. 7 Claims. (Cl. 45—53.)



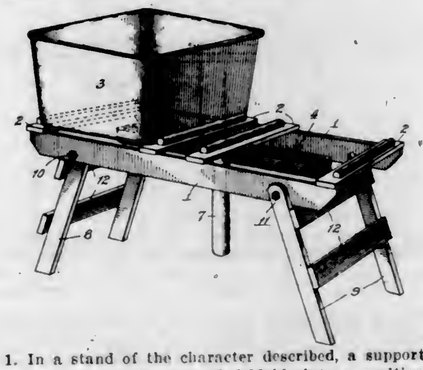
1. In a device of the character described, a book shelf having an upright support at each end, an angle iron extending from one end to the other of said shelf adjacent the rearward upper side thereof, a lever on each support secured to said angle iron, a pivot pin on each lever adjacent said angle iron, flattened rods extending from said angle iron diagonally downward to the forward side of said shelf, means on the forward end of each rod to engage the shelf and means on the rearward end to engage said angle iron, and to be clamped thereto when the latter is rotated by means of said levers.

1,506,205. **BRAKE.** VILGO V. TORBENSEN, Cleveland, Ohio, assignor to The Vig-Tor Axle Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 12, 1923. Serial No. 638,552. 3 Claims. (Cl. 188—78.)



1. In apparatus of the class described, the combination with an axle having a driving shaft projecting therefrom, of a flanged member secured on said shaft, a propeller shaft operatively connected to said flanged member, and a brake drum secured to the flange of said member outwardly of said propeller shaft connection and independently thereof.

1,506,206. **WASHTUB STAND.** WILLIAM H. VOSS, Davenport, Iowa. Filed Mar. 31, 1922. Serial No. 548,313. 3 Claims. (Cl. 68—35.)



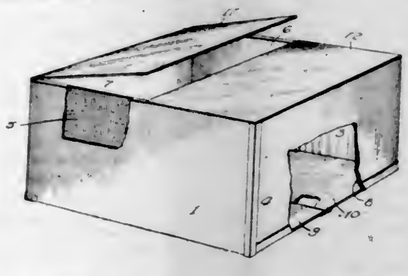
1. In a stand of the character described, a supporting top, legs pivoted thereto and foldable into a position in close proximity to the top, and a drain trough mounted in said top and adapted to receive drainage from a container resting on the top when in use.

1,506,207. **FASTENING DEVICE TO BE USED IN CONNECTION WITH MECHANICAL PENCILS, FOUNTAIN PENS, AND THE LIKE.** JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 26, 1922. Serial No. 608,954. 4 Claims. (Cl. 24—10.)



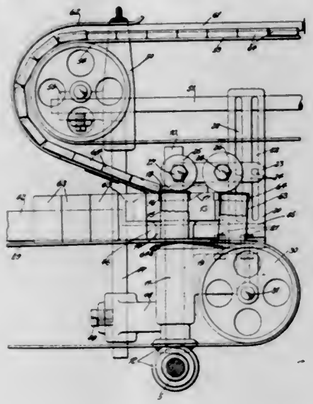
2. In a writing instrument a detachable cap, a plate fixed in one end of said cap to close the same, said plate having a hollow cup-like member extending into the interior of said cap, a cup member mounted above said plate and formed with a circumferentially grooved depending projection adapted to extend into said cup-like member, resilient means in the latter to detachably hold said projection therein, said cap member being adapted to receive a securing element and be readily detached from said cap while the instrument is in use.

1,506,208. **PAPER BOX.** JOHN W. WEBB, Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,585. 2 Claims. (Cl. 229—37.)



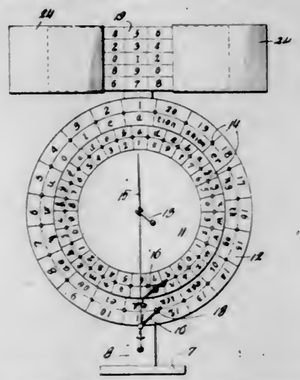
1. A folded shipping box formed of cellular paperboard having an outer waterproofed facing sheet and comprising four connected side walls, a pair of inner wall sections connected to the top of two opposite side walls, a second pair of inner side wall sections connected to the bottom of the other two opposite side walls, said inner side wall sections being cemented to said side walls, a top pair of closure flaps intermediate of and alternating with said first-mentioned pair of inner side wall sections, and a bottom pair of closure flaps intermediate of and alternating with said second-mentioned pair of inner side wall sections.

1,506,209. CAPPING MACHINE. ERNEST C. WEHNERT, St. Louis, and MARCUS G. RYDER, Overland, Mo. Filed Nov. 20, 1922. Serial No. 602,046. 12 Claims. (Cl. 113—27.)



1. In a machine of the character described, a chute for guiding caps to an inclined position for engagement with containers, a conveyor for moving the containers to engage the caps in inclined position, means for tilting the containers to an angle of inclination opposite from the angle of inclination of the caps when the containers engage the caps, and a device above said tilting means for pressing the caps upon the containers.

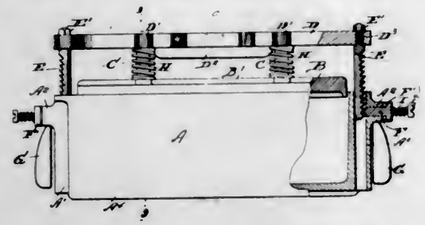
1,506,210. EDUCATIONAL DEVICE. WILLIAM F. WELTY, Cumberland, N. Mex. Filed Oct. 4, 1921. Serial No. 505,356. 2 Claims. (Cl. 35—2.)



1. A device of the character specified comprising a dial rotatably mounted thereon, said dial being provided with a plurality of projecting pins, and a resilient member adapted to brush the pins as the dial revolves, and said resilient member being provided with a recess adapted to receive one of the pins of the dial when the latter comes to a stands till.

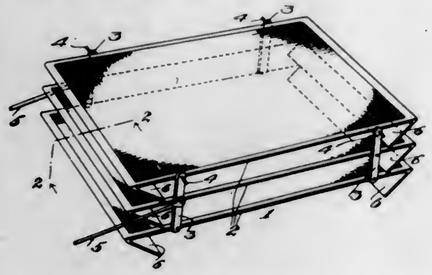
1,506,211. HAM BOILER. ALEXANDER WILSON, JAMES WILSON, and ANDREW E. WILSON, Detroit, Mich. Filed Nov. 26, 1923. Serial No. 676,508. 4 Claims. (Cl. 100—57.)

1. In a device of the character described, a kettle provided with a plurality of channels extending downwardly through the walls of the latter, with openings at right angles to the channels to receive and house a plurality of dogs; a telescoping cover for the kettle; a pressure bar having a plurality of ratchet bars fixably secured thereto, adapted to enter the channels provided in the kettle; a plurality of spring actuated dogs adapted to engage the ratchet bars respectively housed in the



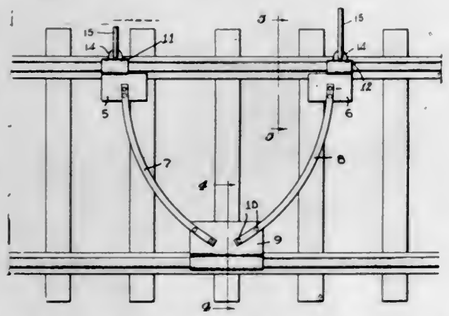
openings formed in the kettle walls connected with the channels; means for manually releasing said spring actuated dogs from engagement with the ratchet bars; a plurality of springs located between the pressure bar and the cover and means for supporting and guiding the springs.

1,506,212. THRASHING MACHINE. FRED W. T. ZOEPKE, Great Falls, Mont. Original application filed Feb. 18, 1922, Serial No. 537,519. Divided and this application filed Mar. 17, 1923. Serial No. 625,863. 1 Claim. (Cl. 130—19.)



In a structure of the character described, a plurality of screens positioned horizontally and disposed one above another in spaced relation, each screen being provided with flanges extending downwardly from its ends and at an inward incline whereby an air blast passing longitudinally between the screens may be directed towards the upper surfaces of the lower screens.

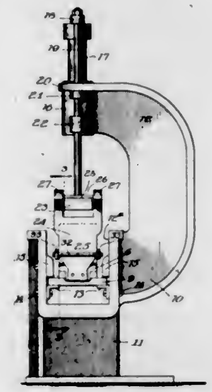
1,506,213. TRANSFERRING DEVICE FOR RAILWAY MOTOR CARS. MARTIN M. ANTHONY, Harrisonville, Mo. Filed Apr. 9, 1924. Serial No. 705,318. 3 Claims. (Cl. 104—263.)



2. In a transferring device for railway motor cars, oppositely curved rails adapted to occupy positions between rails of a railway track, shoes adapted to embrace

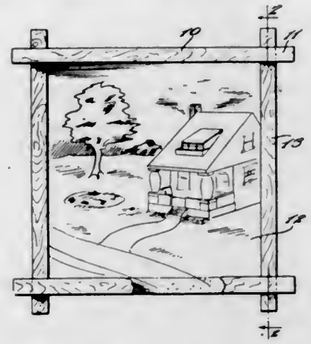
the head of one of the rails for suspending the ends of the diverging rails in proximi y to the rail of the track, and a member adapted to embrace the other rail of the track to which the converging ends of the said rails are connected, substantially as described.

1,506,214. ART OF MANUFACTURING CONTAINERS. MARINO BELLO, Highland Park, and JACK J. BRETSON, Waukegan, Ill., assignors to Ahlbell Battery Container Corporation, Waukegan, Ill., a Corporation of Illinois. Filed May 8, 1922. Serial No. 559,357. 24 Claims. (Cl. 18—1.)



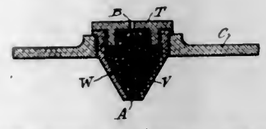
1. In the art of manufacturing containers formed upon cores and having apertured handle-equipped portions, the method of stripping the container from the core which consists in engaging the container at its apertures and engaging the portion of the mold from which the container is to be removed, and exerting force through such engagement, for relatively moving said container and mold-portion to effect the stripping of the container from the core.

1,506,215. PICTURE FRAMING. ALONZO W. BESHGETOOR, Midland, Mich. Filed Dec. 5, 1922. Serial No. 605,126. 1 Claim. (Cl. 40—158.)



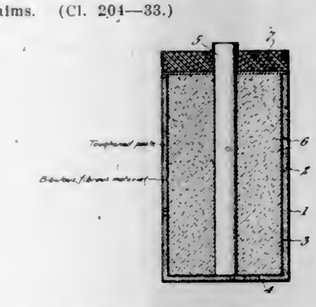
A mounting for pictures of flimsy material comprising a backing of fairly stiff fibrous material having an adhesive coating on its front side for attaching a picture and being trimmed to the same size as said picture after assembling, and frame members having an adhesive coating on the rear side thereof, said frame members being made in narorw strips of greater length than the marginal edges of the picture and the backing and adapted to be secured along said edges on the face of the picture by means of said adhesive coating and extend with the ends beyond the corners thereof, said ends thus providing suspension means for the framed picture.

1,506,216. STORAGE-BATTERY VENT. RAYMOND C. BENNER, Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,715. 6 Claims. (Cl. 204—29.)



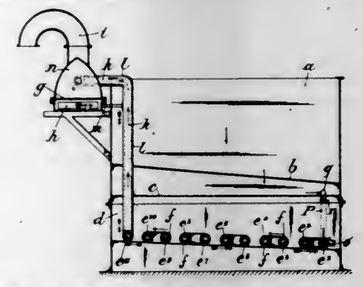
3. A storage battery vent having a gas outlet passage containing fibrous acid-resisting material coated with oleaginous substance.

1,506,217. DRY CELL AND PROCESS OF MAKING THE SAME. RAYMOND C. BENNER, Bayside, and HARRY F. FRENCH, Flushing, N. Y., assignors to National Carbon Company, Inc., a Corporation of New York. Filed June 27, 1922. Serial No. 571,176. 6 Claims. (Cl. 204—33.)



1. Process of making dry cells, which comprises applying to a metal cup substantially non-interpenetrating contacting linings of toughened paste and of bibulus fibrous material, and placing a carbon electrode and conductive depolarizing mix within the cup so lined.

1,506,218. EVAPORATING APPARATUS. LOUIS BARTHELEMY CASTETS, Benejacq, France. Filed Oct. 23, 1922. Serial No. 596,468. 3 Claims. (Cl. 159—23.)



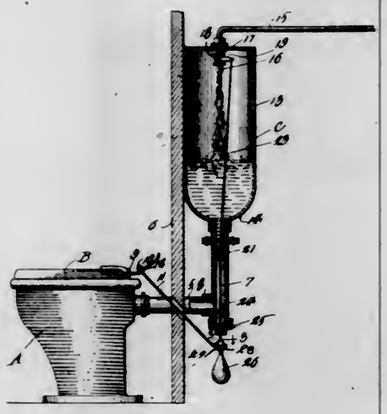
1. In an evaporator, the combination with a box having an upper and a lower heat conserving compartment: of an inclined, jacketed serpentine in the lower compartment, the interior of said serpentine connected to the upper compartment, means to admit steam to the jacket near the discharge end of said serpentine and an evaporating plate onto which said serpentine discharges from its upper end.

1,506,219. RECIPROCATING ENGINE. CARL S. CLARK, Cleveland, Ohio, assignor of one-half to Percy A. Porteous, Cleveland, Ohio. Filed July 3, 1922. Serial No. 572,620. 4 Claims. (Cl. 121—19.)



1. In a motor, the combination of a reciprocating cylinder having spaced exhaust ports, a pressure supply pipe projecting into the cylinder at the axis thereof and on which the cylinder reciprocates and having spaced inlet ports, and a tubular piston valve mounted to reciprocate between the pipe and the cylinder and controlling all of said ports.

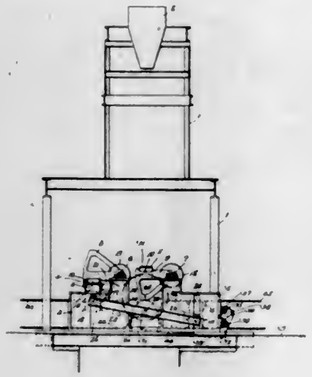
1,506,220. TOILET BOWL AND TANK. ANTHONY T. D'AMATO, Corona, N. Y. Filed Sept. 11, 1923. Serial No. 662,146. 2 Claims. (Cl. 4—27.)



1. In a toilet, a flush tank comprising a body and a flush pipe communicating with the lower end of the body at the axial center thereof, a water supply pipe leading into the upper end of the tank, an extension formed on the supply pipe disposed in the tank and arranged in axial alignment with the flush pipe, a control valve in said extension, a pivoted flap valve in said flush pipe, a depending rod connected with the flap valve, a weight on said rod, and a second rod connected with the flap valve and with the control valve interposed in the extension of said water supply pipe.

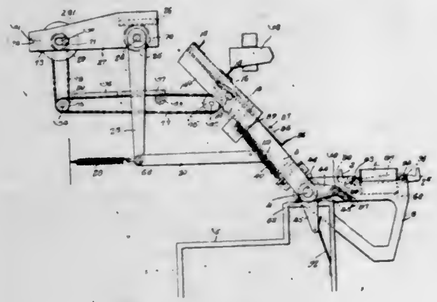
1,506,221. BRICKMAKING MACHINE. ROY P. M. DAVIS, Mount Union, Pa. Filed Oct. 4, 1922. Serial No. 592,227. 6 Claims. (Cl. 25—2.)

1. In a brick making machine, a pair of pivoted mold supports and molds carried thereby, means for feeding a charge of mud alternately to the molds to form brick therein, means for simultaneously rocking said mold supports in opposite directions to filling and dumping positions respectively, a pair of vertically movable dumping tables one for each mold support, upon which the mold supports alternately deposit the brick carried thereby, means for simultaneously elevating one table and lowering the other, a brick conveyor, said tables when elevated receiving the brick from said mold support, and



when lowered depositing the brick upon said conveyor, the movements of said mold supports and tables being in synchronism.

1,506,222. PALLET MACHINE. ROY P. M. DAVIS and IRVIN F. HEPLER, Mount Union, Pa. Filed Oct. 21, 1922. Serial No. 596,025. 8 Claims. (Cl. 25—2.)

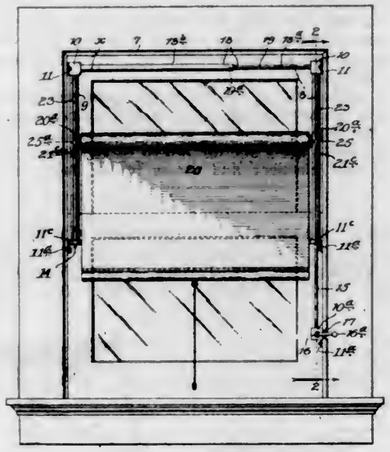


1. In a brick making machine, a mold support and mold carried thereby, a pallet carrier, means for delivering a pallet to said carrier, said pallet carrier and said mold support being swingable about a common axis in opposing directions to bring said mold and the pallet on said pallet carrier into juxtaposition.

1,506,223. WINDOW-SHADE ADJUSTER. JAMES W. DAWSON, Chicago, Ill., assignor to James A. Hedges and Howard E. Hedges, forming the Copartnership of J. A. Hedges & Company, Chicago, Ill. Filed May 21, 1923. Serial No. 640,385. 1 Claim. (Cl. 156—27.)

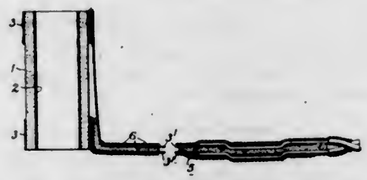
Window shade adjusting mechanism comprising a sheathing tube member disposable at the side of a window frame, a housing member surmounted on said tube member and having an attaching element extending therefrom, one of the members at the zone of contact having a bearing wall, a gear wheel disposed in said housing member and having a stub shaft journaled in said bearing wall and depending below the same into said tube member, a transverse shaft in driven relation to said gear wheel and journaled in said housing, a cap at the lower

end of said tube member having an attaching element extending therefrom, a drive shaft extending exteriorly of the tube and journaled in the cap, a spiral shaft of rod material located within the tube member and fastened to



the portions of the stub shaft and drive shaft disposed therein, a roller-supporting bracket having threaded engagement with said spiral shaft and operating means for said drive shaft located exteriorly of the tube.

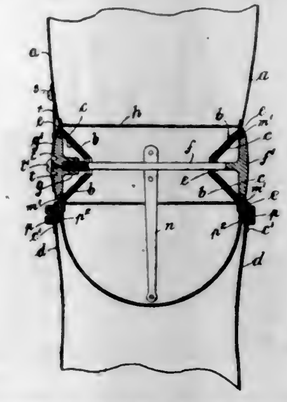
1,506,224. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. LEON ALEXANDER DE BECKER, St. Margarets-on-Thames, England. Filed Sept. 2, 1921. Serial No. 498,031. 3 Claims. (Cl. 219—38.)



3. A pre-heater and vaporizer for application to the jet of the carburetor of an internal combustion engine comprising an insulated aggregation or mass of carbon and means for enabling said pre-heater to be connected to wires leading to a battery, said means consisting of strips of metal of approximately L-shape one of the limbs of each of which strips is formed at its outer end with a hook and is bent so as to fit the pre-heater, while the other limb of each strip, provided at its outer end with slots, is bent at its junction with said first named limb upwards and at right angles to said limb, is engaged with the hook at the end of said limb, and is then bent downwards on to the outer part of said hook, substantially as described.

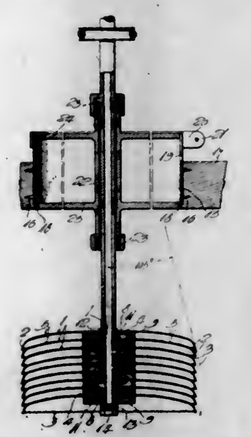
1,506,225. ARTIFICIAL LIMB. CHARLES DESOUTTER, London, England, assignor to Desoutter Brothers Limited, London, England. Filed Apr. 25, 1922. Serial No. 556,497. 5 Claims. (Cl. 3—2).

1. An artificial limb comprising upper and lower leg sections made of relatively thin sheet metal, the sheet metal of each of said sections being provided with coacting, resting conical friction surfaces at each side of the knee joint, the conical surfaces of one section being arranged co-axially with the conical surfaces of the other section, a part knee bolt pivotally connecting said leg sections together, mounted co-axially with said friction surfaces, means for securing one of said parts against movement, and means for axially moving at will the other



part to increase or decrease the friction between the inner and outer friction surfaces, for the purposes set forth.

1,506,226. CENTRIFUGAL ATOMIZER. SAMUEL M. DICK, Minneapolis, Minn. Filed Dec. 8, 1919, Serial No. 343,415. Renewed Feb. 15, 1924. 10 Claims. (Cl. 299—63.)

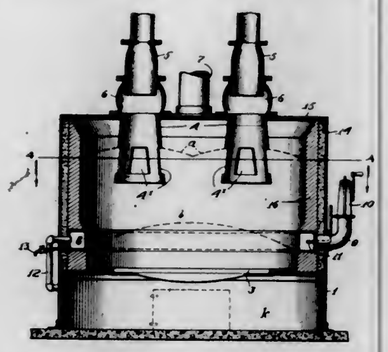


1. A centrifugal atomizer adapted to be mounted in a dehydrating cell and comprising a tubular rotatably mounted shaft having radial liquid discharge openings, and a plurality of spaced concavo-convex imperforate disks fixedly mounted on said shaft for rotation bodily therewith, all of said disks curving in the same direction, said radial openings being positioned between said disks.

1,506,227. SUCTION GAS PRODUCER FOR GASIFYING SAWDUST AND LIKE FUELS. HARROLD DORMAND, Bayonne, N. J. Filed July 17, 1923. Serial No. 652,044. 1 Claim. (Cl. 48—11.)

A suction gas producer for gasifying saw dust and like fuels comprising a casing, a fire grate separating combustion and ash pit chambers, a feed pipe projecting into the combustion chamber and formed with lateral apertures, for the passage of the fuel, a horizontal wall closing the top of the combustion chamber and affording a support for the feed pipe, an insulating lining surrounding

the combustion chamber and extending upwardly to said horizontal wall, an annular vaporizer surrounding the combustion chamber, means for admitting air and moisture to said vaporizer and for leading vapor therefrom to



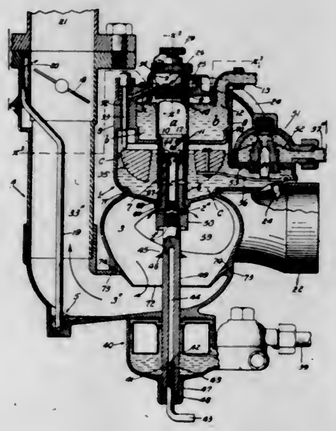
the combustion chamber, and a vitreous lining intermediate the insulating lining and the combustion chamber and outwardly flaring to enlarge the combustion chamber above said vaporizer and coacting with the vaporizer to restrict the combustion chamber below the flaring section.

1,506,228. MANUFACTURE OF ALKYL, ARALKYL, AND AROMATIC COMPOUNDS. HENRY DREYFUS, London, England. Filed Aug. 9, 1921. Serial No. 491,003. 6 Claims. (Cl. 260—98.)

1. Process for the manufacture of dialkyl-sulfate, comprising bringing an SO_3 derivative of an alkali metal salt into reaction with an oxygen derivative of a simple aliphatic hydrocarbon wherein the oxygen is attached to at least one alkyl carbon by a single linkage, and distilling

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1,506,229. CARBURETOR. ORVILLE H. ENSIGN, Pasadena, Calif. Filed Sept. 30, 1916. Serial No. 123,180. 8 Claims. (Cl. 261—28.)

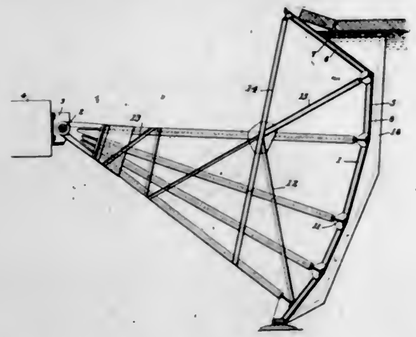


1. In a carburetor having a float chamber, a fuel jet, and an air intake, a balancing means to maintain a pressure in the float chamber corresponding to that in the air intake of the carburetor, and means for directing an air supply from the balancing system of the float chamber to the fuel jet, whereby to maintain a proportionate amount of fuel to air without lowering the fuel velocity.

7. In combination with the mixing chamber of a carburetor; a fuel passage to deliver fuel to said chamber; a vented auxiliary chamber above said passage open to atmospheric pressure and adapted to hold a predetermined charge of fuel for starting an engine into operation, and unobstructed gravity flow means for conducting fuel from said chamber into said fuel passage before delivery to the mixing chamber, said vented chamber being empty during normal engine operation and filled by manually controlled means.

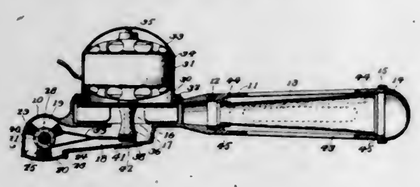
8. A carburetor of the character described consisting of a float chamber, an air intake, a fuel jet in communication with the lower portion of the float chamber, an air supply leading from the air-intake to the upper portion of the float chamber and direct to the fuel jet.

1,506,230. GATE FOR HYDRAULIC STRUCTURES. WILLIAM G. FARGO, Jackson, Mich., assignor to Fargo Engineering Company, Jackson, Mich. Filed Aug. 7, 1922. Serial No. 580,345. 8 Claims. (Cl. 61—25.)



1. A gate of the sector type provided at opposite sides with horizontal pivots and arranged to swing upwardly or downwardly, said gate having a front or water face composed of a series of flat transverse faces arranged in substantially segmental form.

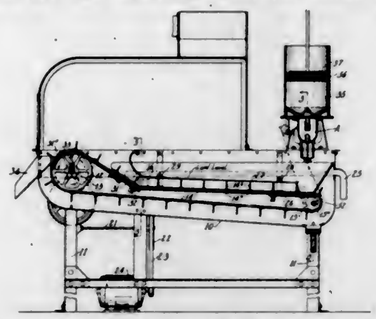
1,506,231. VACUUM CLEANER. FRANK W. FINKHOUSEN, Fort Wayne, Ind. Filed Feb. 28, 1921. Serial No. 448,469. 4 Claims. (Cl. 15—7.)



1. A vacuum cleaner having a nozzle opening downwardly, a plate fitted in spanning relation with the nozzle opening, the said plate being formed with ears carrying pintles, and a brush removably fitted upon the pintles.

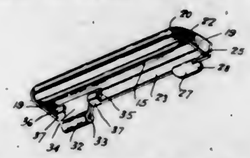
1,506,232. DOUGHNUT MACHINE. DOUGLAS P. FLEMING, Chicago, Ill. Filed Sept. 28, 1922. Serial No. 591,156. 5 Claims. (Cl. 53—7.)

1. In a doughnut machine, a tank for holding lard, a conveyer in said tank, the tail end of which is submerged in the lard, means adjacent the tail end of the conveyer for supporting raw doughnuts until they raise sufficiently to float, means for dropping raw doughnuts on said last mentioned means and means above



the conveyor for holding said doughnuts submerged in the lard for a predetermined distance of travel of the conveyer.

1,506,233. BAG FASTENER. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a Corporation of Delaware. Filed Feb. 25, 1922. Serial No. 539,136. 4 Claims. (Cl. 292—67.)



2. A frame clasp comprising a plate having integral rear and end walls, a hooked catch formed with the rear wall, a loop, means for confining said loop to said rear wall, said catch and loop engaging loosely in slots in the frame, and a torsion element engaging in said loop and with said catch at the inner side of said frame.

1,506,234. MANIFOLD SHEET. DANIEL T. GLACKIN, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed May 24, 1919, Serial No. 675,420. Patent No. 1,403,075, issued Jan. 10, 1922. Divided and this application filed Mar. 8, 1921. Serial No. 450,654. 7 Claims. (Cl. 283—62.)



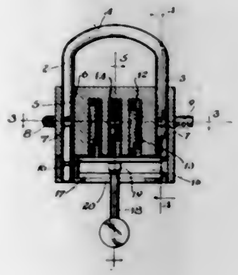
1. A multiform billing sheet adapted to be wound continuously around a typewriter platen, said sheet comprising a number of forms printed on one side thereof and arranged in succession from top to bottom of the sheet, the length of each form being substantially the same as the circumference of the platen on which they are to be wound, the length of the forms being progressively increased from top to bottom so as to enable the outer forms to register with the inner forms when wound about the platen, and a turned-over portion at one end of the sheet forming a pocket at the back of the sheet adapted to house the leading edge of a carbon-sheet.

1,506,235. MANUFACTURE OF LINOLEUM. ALFRED ARTHUR GODFREY, London, England. Filed Oct. 26, 1922. Serial No. 597,033. 2 Claims. (Cl. 154—20.)



2. The production of a sheet of linoleum having a broken or clouded effect by mixing granulated material of different colors, rolling the material into a sheet, cutting the sheet into strips, laying a number of these strips in overlapping relation, rolling in a direction approximately at right angles to that of the first rolling, cutting the sheet so formed into strips, laying a number of these strips in overlapping relation, and rolling these strips again in a direction approximately at right angles to that of the first rolling.

1,506,236. LOCK. BENJAMIN J. GREER, Athens, Tex. Filed May 2, 1923. Serial No. 636,090. 9 Claims. (Cl. 70—113.)

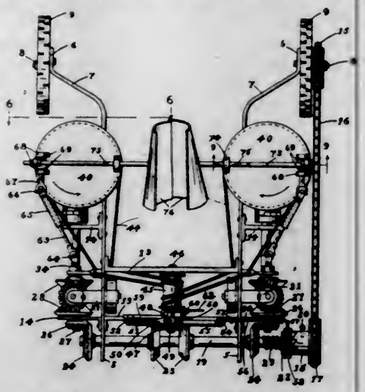


1. A lock, including a body and a shackle, one leg of the shackle being provided with a groove, a member slidably mounted in the body, said member adapted to enter the groove in the shackle, said member also provided with grooves, and locking screws adapted to engage said grooves.

1,506,237. AUTOMATIC STOOKER. SIMEON DAVID HILTS, Minneapolis, Minn. Filed Aug. 9, 1920. Serial No. 402,470. 1 Claim. (Cl. 56—423.)

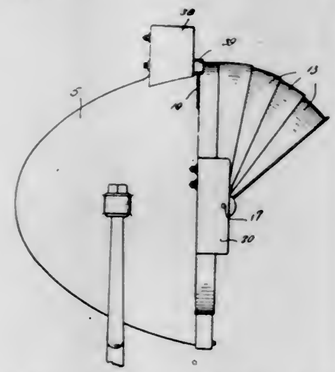
A stooker consisting of a frame, wheels supporting said frame, a shaft transversely positioned at the forward end of said frame, a loosely mounted sprocket wheel on one end of said shaft, a sprocket carried by one of said supporting wheels, a sprocket chain connecting said sprocket with said loosely mounted sprocket wheel, tables pivotally mounted on said frame, means for raising said tables, means for turning said tables, supports carried by said tables, rods carried by said supports, a sheaf-receiving member carried at the inner end of each of said rods, means for operating said rods for turning said sheaf-receiving members from a horizontal to a vertical position, said raising means being adapted to allow said tables to drop when said receiving

means is in vertical position, clutch means adapted to engage said loosely mounted sprocket wheel and lock the same for operation with the said transversely posi-



tioned shaft, means for automatically disengaging said clutch means, and tripping means for operating said last named means.

1,506,238. GLARESHIELD FOR VEHICLE HEADLIGHTS. CARL PERRY HOEFLER, Syracuse, N. Y. Filed Sept. 7, 1923. Serial No. 661,400. 12 Claims. (Cl. 240—45.6.)



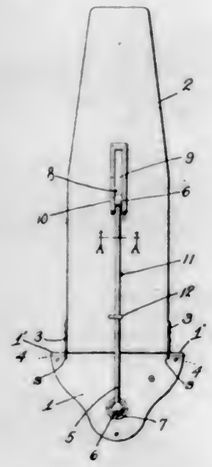
3. In a glare shield for headlights, a rim positioned upon the lens retaining rim of the headlight and freely slidable thereon, a moving shutter carried by said rim, means for opening and closing said shutter, and means for moving said rim to opposite sides of said headlight.

1,506,239. POWER-TRANSMISSION ELEMENT. ARTHUR HOUGH, Summit, WILLIAM C. LEONHARD, Passaic, JOHN R. DUFFORD, Paterson, and JOHN L. ALLMAN, East Rutherford, N. J. Filed Jan. 30, 1923. Serial No. 615,939. 9 Claims. (Cl. 74—28.)

1. A gear having a part thereof made of sheets of thin parchmentized paper, impregnated with a normally viscous oil material and united together under high pressure.

1,506,240. IRONING BOARD. CHARLES C. IVES, Ogdensburg, N. Y., assignor of one-half to Francis A. Van Dyke, Ogdensburg, N. Y. Filed Feb. 7, 1923. Serial No. 617,513. 2 Claims. (Cl. 68—10.)

1. A device of the class described, comprising a support having spaced slots formed in its upper edge adjacent the sides thereof, a board having a groove in its rear surface approximately at its medial point in communication with a smaller groove extending to the inner end thereof, a slotted plate over the longitudinal edges of the first-mentioned groove, plates rigidly secured to the sides of the board and projecting therefrom in alignment with the spaced slots formed in the support, pins hingedly securing the plates in the slots of the support,



a socket secured to the support and having a slot therein disposed toward the smaller groove of the board, a rod having spherical ends seated in the larger groove of the board and socket with its major portion seated in the smaller groove of the board when in closed position and a latch pivotally supported in contact with the rear of the board and over the samllest slot.

1,506,241. LOCKING DEVICE. JENS C. JENSEN, Chicago, Ill. Filed Dec. 7, 1923. Serial No. 679,203. 5 Claims. (Cl. 16—143.)

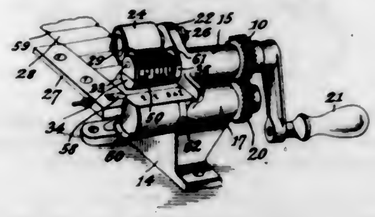


1. In a hinge, two members having alternately placed knuckles, a pin passing through said knuckles, two adjacent knuckles being partially cut away to permit said members to move longitudinally out of alignment with respect to each other when swung to closed position and means for holding said members in alignment in closed position when the swinging member is again raised to aligning position with the other member.

1,506,242. MACHINE FOR PRINTING TICKETS. JOHN ALWYN KELLER, Bay Shore, N. Y., assignor to Keller Printing Company, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1923. Serial No. 631,345. 9 Claims. (Cl. 101—92.)

1. In a machine for printing tickets, a revoluble shaft, a printing-drum carried by said shaft and consisting of type-discs having a series of variable type-heads at their periphery, said type-discs being mounted in transverse series on an axis eccentric to the axis of said shaft and

respectively having an "idler" turnable movement independent of the rotary movement of said shaft, and means for respectively locking and retaining each of said type-discs in constant fixed position against turnable move-



ment at all times during the revolution of said main shaft, whereby the type-discs are in permanent fixed relation during operation of the machine and variable only by manual adjustment.

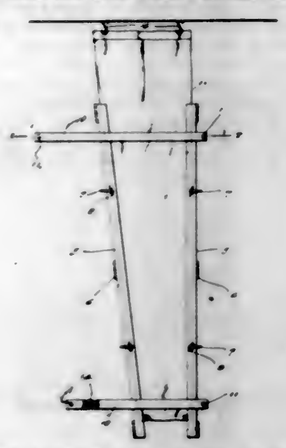
1,506,243. SNOW OR ICE SCOOTER. JACOB KIEFT and PERCY R. TATROE, Grand Haven, Mich. Filed Jan. 15, 1924. Serial No. 686,455. 1 Claim. (Cl. 280—23.)



A snow or ice scooter adapted to be propelled by the action of one foot of the rider upon the snow or ice and including a runner-like foot board upon which the rider is adapted to place his other foot while occupying a standing position, a metallic shoe attached to the under side of said foot board, a forwardly and upwardly extending standard rigid with the forward end of the foot board, a handle bar carried by the upper end of said standard adapted to be grasped at its ends by the hands of the rider while assuming said standing position, said shoe extending forwardly and upwardly from the forward end of the runner and in contact with the standard, means for securing the upper free end of said forwardly projecting end portion of the shoe to said standard, said standard comprising a single piece of metal centrally return bent to provide a pair of substantially parallel members, said runner having longitudinal sockets opening through the forward end thereof and into which the free lower ends of the standard members are fitted and secured, the bend of the piece of metal forming the standard providing a socket at the upper end of the standard and a bolt passing through the upper end of the standard for pivotally connecting the handle bar thereto.

1,506,244. TROUSERS STRETCHER AND CREASER. CLYDE H. KIRBY, Everton, Mo. Filed Oct. 20, 1923. Serial No. 669,799. 2 Claims. (Cl. 223—19.)

2. An apparatus as characterized comprising a pair of trousers engaging clamps composed of a plurality of leaves hingedly connected to open bookwise, and spreading devices for said trousers engaging clamps, said spreading devices including pairs of transversely extending bars arranged at opposite sides of the clamps and connected in parallel spaced relation at their ends by means of transverse pins, tension springs connecting one



of said clamps with the pins at one end of each of said bars, and hooks carried by the other clamp engaging the outer pin of said bars.

1,506,245. SCORE-CARD AND PENCIL HOLDER. WINNIFRED C. LYMAN, Mansfield, Mass. Filed Nov. 1, 1923. Serial No. 672,140. 2 Claims. (Cl. 24—11.)



1. A device of the class described comprising a strip of metal having an elongated end portion constituting a spring tongue, the strip being bent backwardly upon itself at the inner end of said tongue, extended throughout the length of the latter and then bent forwardly and inwardly around the free end of the tongue to provide a jaw cooperable with said tongue to form a card holder, the strip after forming said jaw being bent forwardly upon itself and extended throughout the length of said jaw, the free end of the strip being then bent backwardly and extended inwardly adjacent the part of the strip behind the aforesaid tongue to provide a supporting finger.

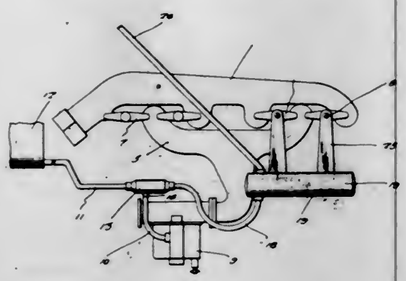
1,506,246. STEEL ALLOY MATERIAL. GEORGE F. McMAHON, Chicago, Ill. Filed Nov. 2, 1922. Serial No. 598,672. 6 Claims. (Cl. 75—1.)

1. The method of forming alloy materials which comprise admixing pulverized powdered electrolytic metal with metal-containing material and heating the mixture with exclusion of extraneous gas to a temperature below the melting point of the electrolytic metal, thereby producing a sintered cake of uniform composition.

1,506,247. FUEL-FEEDING APPARATUS. CHARLES H. MARTIN, Kolin, Mont. Filed Nov. 24, 1923. Serial No. 676,870. 3 Claims. (Cl. 158—46.5.)

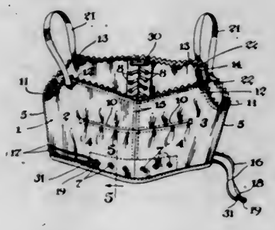
1. In combination with a motor vehicle carburetor having a fuel intake pipe, and a main fuel supply tank normally disposed rearwardly of and above said car-

buretor, and having a main fuel supply pipe extending forwardly therefrom, a check valve casing having opposed intake ports, one of which is coupled to said main fuel supply pipe and provided with a lateral outlet port that is coupled to the carburetor intake pipe, an auxiliary fuel supply tank mounted forwardly of the carburetor at a level above the latter and below the level of the main fuel supply tank, and an auxiliary fuel supply pipe connecting said auxiliary fuel supply tank with the remaining intake port of said check valve casing, the adjacent ends of the main fuel supply pipe and the auxiliary fuel supply pipe projecting into the check valve



casing in spaced opposed relation, and a movable valve member mounted within the check valve casing for alternate seating engagement with the ends of the main and auxiliary fuel supply pipes, the inner end of the main fuel supply pipe being imperforate whereby the same is completely closed by said movable valve member when seated against the end of said main fuel supply pipe and the inner end of said auxiliary supply pipe being perforated whereby constant communication is provided between the carburetor intake pipe and the auxiliary fuel supply tank in both positions of said movable valve member.

1,506,248. BRASSIÈRE. GEORGINE S. MONROSE, Tampa, Fla. Filed May 2, 1923. Serial No. 636,117. 1 Claim. (Cl. 2—42.)



A brassière adapted to envelope the wearer's body and comprising a plurality of portions having a front reinforced diaphragm portion, a series of horizontally spaced securing means on said diaphragm portion, and rear complementary vertical edges detachably and adjustably connected by lacing means adapted to extend around said brassière and detachably and adjustably engage said securing means on said diaphragm portion.

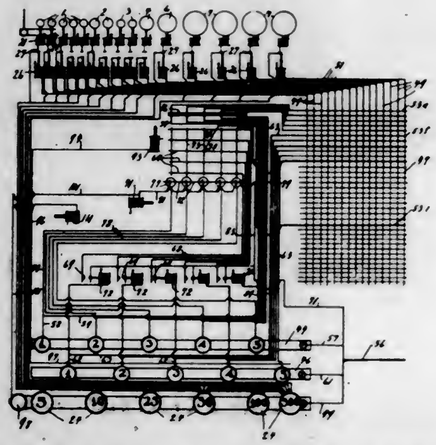
1,506,249. AUTOMOBILE LUBRICATOR. ALBERT FRANCIS NACKERS, Cornelius, Oreg. Filed Mar. 1, 1920. Serial No. 362,430. 3 Claims. (Cl. 184—11.)

2. The combination with a transmission casing of an inspection plate on said casing, a lubricant collecting chamber beneath said plate having laterally projecting flanges, means extending through said flanges for securing said chamber between said plate and casing, a conduit leading from said chamber to the forward end of the



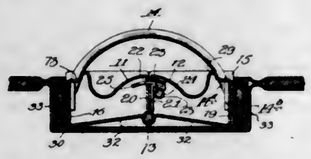
casing, and a diagonally disposed screen within said chamber for straining the lubricant conducted to the forward end of the casing through said conduit.

1,506,250. AUTOMATIC TICKET AND CHANGE-RETURNING MACHINE. LUDVIG B. NORDLUND, San Francisco, Calif. Filed July 5, 1922. Serial No. 572,824. 8 Claims. (Cl. 133—2.)



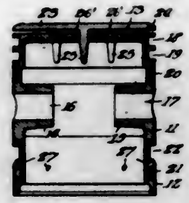
1. In a device of the character described, a plurality of circuits, two groups of switches, and connecting means between the circuits and the switches allowing each switch to control a certain combination of circuits and allowing any one of the switches of one group to cooperate with any one of the switches of the other group in controlling certain additional combinations of the circuits.

1,506,251. LOOSE-LEAF BINDER. GEORGE A. OLSEN, Chicago, Ill., assignor to Accounting Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 30, 1923. Serial No. 677,843. 7 Claims. (Cl. 129—17.)



1. A loose-leaf binder comprising two channel-shaped members hingedly connected flange to flange, with their flanges projecting rearwardly, and a set of arcuate prongs secured to each member, the arc of each prong being struck from the center of said hinge, all prongs being on arcs of the same radius, the ends of the prongs carried by one member lying substantially in contact with the other member when the members are in closed position.

1,506,252. PISTON. ANTON PONDELICK, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,069. 7 Claims. (Cl. 74—108.)



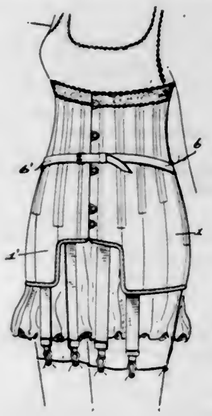
1. A piston structure comprising a cylindrical body and head formed of aluminum, circumferential reenforcing bands of cast iron, and a cast iron guard plate for the head, such cast iron parts being intimately secured by casting the aluminum around them.

1,506,253. PISTON. ANTON PONDELICK, Chicago, Ill. Filed May 31, 1923. Serial No. 642,442. 4 Claims. (Cl. 74—108.)



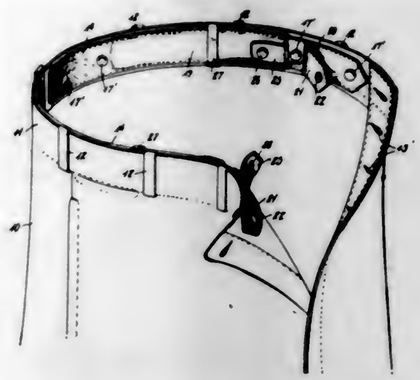
1. In a piston structure, the combination of the cylindrical body having a circumferential channel of rectangular cross section, longitudinal and transverse tongues extending from the upper and lower walls of said channel, a bearing ring in said channel, and longitudinal and transverse grooves in the upper and lower faces of said ring for receiving said longitudinal and transverse tongues whereby to lock said ring against lateral, radial, and turning movement.

1,506,254. CORSET. LIZZIE K. RHODE, Flushing, N. Y., assignor to Hip Hold Corset Corporation. Filed Nov. 21, 1922. Serial No. 602,330. 3 Claims. (Cl. 2—37.)



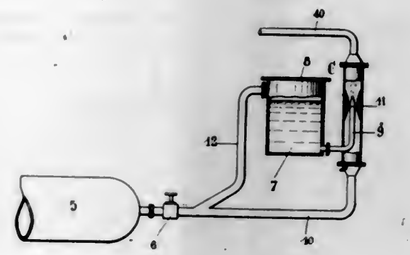
1. In a corset in combination, non-elastic side sections provided with hip portions, an elastic back section, flaps attached to the back of said hip portions of said side sections and crossed in the rear below the hip-line of the wearer, and belt sections associated with said flaps and fastened in front.

1,506,255. SECRET SAFETY BELT AND PANTS-GIRTH REDUCER. JACOB ROSENSTEIN, Frankfort, Ky. Filed Nov. 19, 1923. Serial No. 675,756. 5 Claims. (Cl. 241—7.)



1. The combination with the waist-band of a pair of trousers or the like of a belt member, means for detachably connecting said belt member to said waist-band, a pocket formed in said belt member and a girth reducing auxiliary pocket insertable in said first mentioned pocket.

1,506,256. ENGINE STARTER. FÉLIX SAINTIN, Poissy, Seine and Oise, France. Filed Oct. 5, 1921. Serial No. 505,646. 5 Claims. (Cl. 123—180.)

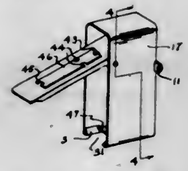


4. A starting device for engines of the class described comprising an auxiliary carburetor, a container, a spray nozzle in said carburetor and communicating with said container, a compressed air tank, a conduit connecting said tank with the bottom of said carburetor and the top of said container, a normally closed valve in said conduit for regulating the flow from said tank to both the carburetor and container, and a diffuser in said conduit adapted to throttle the air at a point below the outlet of the nozzle.

1,506,257. SANITARY INCLOSING MEANS FOR TOOTHBRUSHES. HARRY P. SCHMIDT, New York, N. Y. Filed Oct. 31, 1923. Serial No. 671,941. 2 Claims. (Cl. 206—154.)

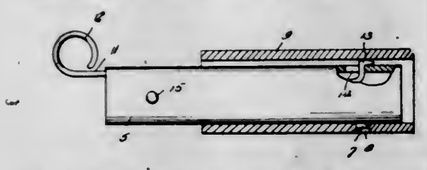
1. A sanitary inclosing means for tooth brushes comprising a casing, the top, sides and back of which are of integral formation, the side members being provided with slots and ventilating perforations and having tongues extending therefrom and the back member being provided

with slots, lugs formed integral with and extending outwardly from said back member, the tongues of said side members being adapted to pass through the slots in



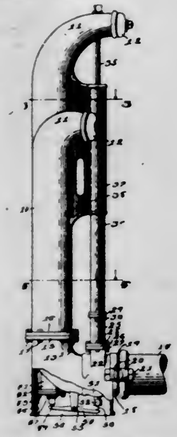
said back and the lugs of said back member being adapted to pass through the slots in said side members, to secure the whole in operable position.

1,506,258. BEARING-SLEEVE REMOVER. WAVERLY C. SHAW, Earlham, Iowa. Filed May 22, 1923. Serial No. 640,659. 1 Claim. (Cl. 29—88.2.)



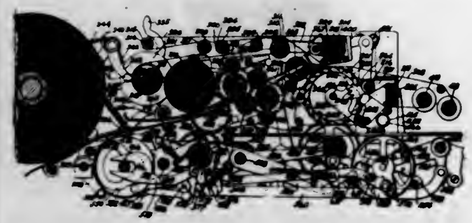
A tool for removing bearing sleeves comprising a cylindrical body having at one side a slot, a headed screw mounted at the opposite side of the body, a sleeve located within the body and fixed with relation thereto and being in longitudinal alignment with the slot, and a rod slidably mounted in the last mentioned sleeve and provided at its outer end with a finger loop, the inner end of the rod being provided with an angularly disposed offset portion, which is disposed through the said slots.

1,506,259. HYDRANT. WARREN S. SHERMAN, Oklahoma City, Okla. Filed Mar. 29, 1922. Serial No. 547,904. 3 Claims. (Cl. 137—13.)



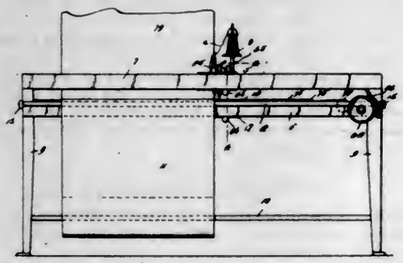
1. A hydrant comprising a body provided with an elbow, a gate operating in the elbow, a thrust rod slidable in the elbow and located in the path of the gate, a downwardly closing valve controlling drainage from the body and comprising a stem slidable in the elbow, and a lever external to the elbow and fulcrumed intermediate its ends thereon, one end of the lever cooperating with the stem, and the other end of the lever cooperating with the thrust rod whereby the valve will be opened when the gate is closed.

1,506,260. CASH REGISTER. BERNIS M. SHIPLEY, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Jan. 30, 1920, Serial No. 355,172. Renewed Feb. 8, 1923. 38 Claims. (Cl. 101—66.)



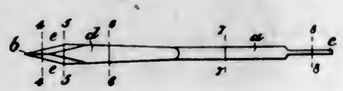
1. In a machine of the class described, the combination of printing devices for making a plurality of impressions on record material at each operation of the machine, automatic means for placing the record material in position to receive the first impression and to remove the same after the last impression, and means independent of said automatic means for feeding the record material after it has received the first impression into position to be again acted upon by the printing mechanism.

1,506,261. SEWING MACHINE. FREDERICK A. SIEVERS, Atlanta, Ga. Filed Apr. 28, 1923. Serial No. 635,182. 8 Claims. (Cl. 112—2.)



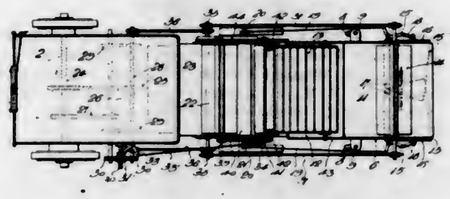
1. In a machine of the class described, a pair of spaced guide frames adapted for receiving the ends of fabric therebetween, independent members movable, one within each pair of guide frames, a needle bar movable within one of said members and carrying a pair of needles engageable through openings in the top of the other of said members, thread loopers within said last mentioned member, means carried by the guide frames for moving said members in said guide frames simultaneously and means for simultaneously actuating said needle bar and said thread loopers.

1,506,262. NEEDLE. CHARLES SLATER, Redditch, England. Filed June 1, 1922. Serial No. 565,162. 1 Claim. (Cl. 223—37.)



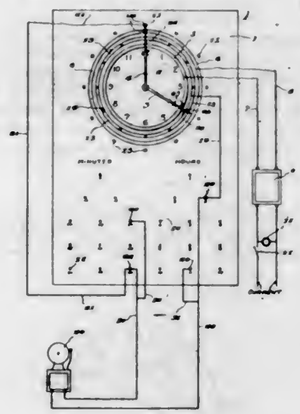
A needle comprising a cylindrical shank, a spear or lancet shaped point end of diamond shaped cross section, said point end having laterally cutting edges disposed in V-formation with the base of said V of a width exceeding the diameter of the shank to form in the material an aperture of laterally elongated shape, an opposed pair of flats between said point and said shank to afford free passage for a thread loop, an eye end of flattened form and of more than ordinarily reduced thickness arranged in a plane at right angles to the plane of said point end and of said flats and coacting with the cylindrical portion of the shank to widen the central portion of said aperture.

1,506,263. SNOW-REMOVING MACHINE. MARSOP SOUHIGIAN, Lawrence, Mass. Filed July 30, 1923. Serial No. 654,757. 6 Claims. (Cl. 37—8.)



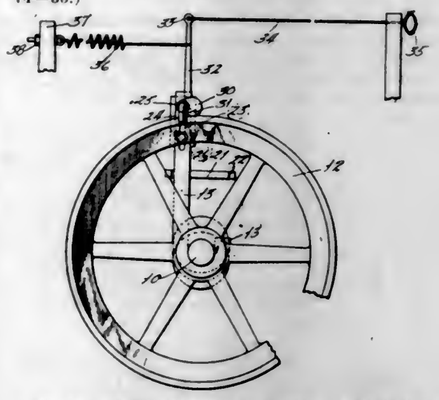
1. The combination with a motor truck having a driver's cab and a dump body in rear of said cab and extending to the rear end of the truck; of a trough-shaped snow scoop in front of and connected to said truck, a longitudinal trough supported horizontally on top of said cab and extending from front to back thereof to discharge into the truck body, an elevator in front of the cab from the rear end of the scoop bottom to the front end of the trough, a rotary beater in the front end of the scoop above the bottom of said scoop and spaced rearwardly from the front end of said bottom for forcibly throwing the snow rearwardly to the elevator, and a rotary beater in the rear end of said trough for throwing the snow directly rearward into the truck body.

1,506,264. ELECTRIC ALARM. HARRY W. STECKEL, Muskegon, Mich. Filed July 23, 1923. Serial No. 653,274. 4 Claims. (Cl. 161—4.)



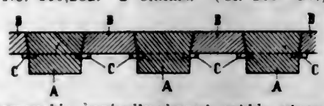
1. In a device of the character specified, the combination with a support, of a clock arranged in said support, plug sockets arranged in said support, alarms having means adapted to connect the same with said plug sockets, inner and outer contact rings upon said clock, contact segments between said inner and outer contact rings, contact studs surrounding said outer contact ring, means connecting said contact rings with a source of electrical supply, means for connecting said contact segments and said contact studs with said plug sockets, and contact members upon the clock hands for establishing an electrical connection between said inner ring and said segments and said outer ring and said studs for sounding an alarm at a predetermined time.

1,506,265. ENGINE STARTER. BUFORD J. STEEN, Christine, Tex., assignor of one-half to Gulberson Corporation, Dallas, Tex., a Corporation of Texas. Filed June 5, 1923. Serial No. 643,546. 9 Claims. (Cl. 74—53.)



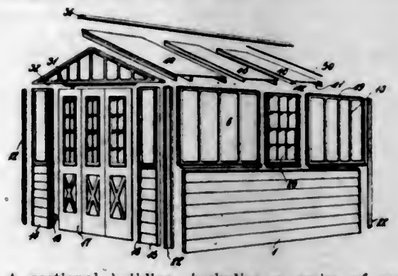
1. In an engine starter attachment, a bracket arranged for attachment to an engine, an arm supported by said bracket and having a bearing member at one end for engaging a crank shaft, an eccentric pivoted on the outer end of the arm, a lever extending outwardly from the eccentric, a connection for manually operating the lever to swing the eccentric and the arm, and a resilient connection for returning the parts to their normal position.

1,506,266. MECHANICAL ROASTING FURNACE. GEORG STÖHN, Stolberg, Germany. Filed Jan. 26, 1921. Serial No. 440,232. 2 Claims. (Cl. 263—26.)



1. A removable conically-shaped rabble stone consisting of two parts, the upper part being arranged to be inserted into the rotary hearth plate of a mechanical roasting furnace, and the lower part being exchangeably secured to the upper part.

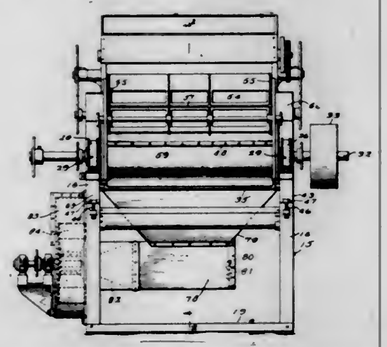
1,506,267. SECTIONAL BUILDING. LAMONT SWISHER, Decatur, Ill. Filed Oct. 4, 1921. Serial No. 505,256. 5 Claims. (Cl. 20—2.)



1. A sectional building, including a series of panels having frames made of bevelled complemental parts one of which is cut or extracted from the other and adapted to be fitted together when the panels are assembled.

4. A sectional building, having side and end panels made as separable units, and corner posts for uniting these panels vertically, said posts comprising pieces triangular in cross-section and L-shaped side pieces, the latter adapted to receive the edges of the panels in butt-joint fashion, clamps engaging the adjacent ends of the side and end panels on the interior of the building, and means to detachably fasten the said clamps to the corner posts.

1,506,268. MECHANICAL SEED SEPARATOR. ARTHUR A. VARDELL, deceased, late of Dallas, Tex., by Highland G. Vardell, executrix, Dallas, and James Wyatt Stribling, Ennis, Tex. Filed Oct. 14, 1920. Serial No. 416,939. 10 Claims. (Cl. 83—6.)

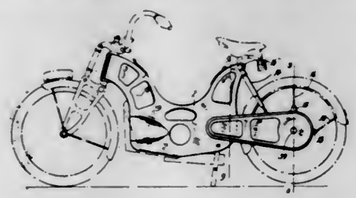


1. In a machine for separating and delinting cotton seed or the like, a frame, a roll-box carried thereby, a rotatable presser cylinder arranged eccentrically within the roll-box and provided with longitudinally spaced radially extending fingers, means for feeding cotton seed or the like into the roll-box, a grate embodying spaced bars, arranged at the lower portion of the roll-box, a rotatable saw cylinder embodying spaced saws having their upper portions operating between the grate bars and projecting into the lower portion of the roll-box, and means to drive the presser cylinder and saw cylinder.

1,506,269. PROCESS FOR THE PRODUCTION OF CYANIDES. FOORD VON BICHOWSKY and JOHN HARTHAN, Glendale, Calif. Filed Feb. 23, 1921. Serial No. 447,244. 4 Claims. (Cl. 23—13.)

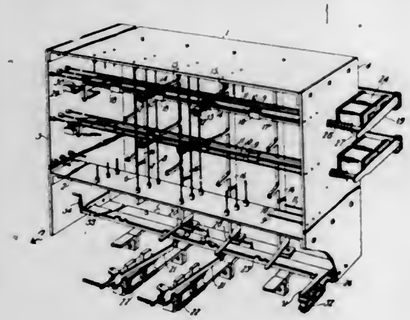
1. The production of cyanides of the alkali metals which consists in heating a silicon nitride containing mass with iron carbide in the presence of an alkali metal compound and in the absence of free carbon.

1,506,270. MEANS FOR SUPPORTING THE REAR ROAD WHEEL OF A VELOCIPEDE. CYRIL GEORGE PULLIN, Isleworth, England. Filed July 20, 1920. Serial No. 397,570. 3 Claims. (Cl. 208—146.)



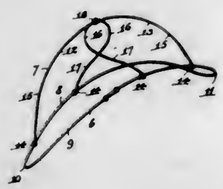
3. The combination on a motor driven velocipede of a centre frame of box-like construction, an axis pin carried at the bottom of said frame, a tubular arm connected to said axis pin on one side of said frame, a sheet metal arm as set forth mounted on said axis pin on the other side of said frame, a sprocket mounted on bearings rigidly connected to said sheet metal arm, a rear road wheel, means for associating said road wheel and said sprocket wheel in driving relation, a knock-out spindle for said road wheel, carried by said arm and projected through said bearing, and telescopic stay members pivotally connected to the rear ends of the bottom fork arms and to the top of said centre frame.

1,506,271. LINE SWITCH. JOHN NEWBERRY REYNOLDS, Greenwich, Conn., and JOHN F. HEARN, Passaic, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,374. 6 Claims. (Cl. 179—27.5.)



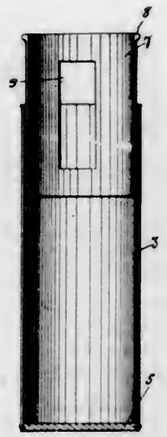
1. In an automatic telephone switch, sets of line conductors and sets of trunk conductors arranged coordinately but out of contact one with the other, a trunk-bar associated with each set of trunk-conductors and having a plurality of flexible arms, one for each set of line conductors and on each flexible arm a set of contacting media each associated with one of the crossing points of said line and trunk conductors, means for moving said trunk-bar from normal position to stand-by position, and means operable upon the initiation of incoming calls for engaging said flexible arms individually and moving them so as to move said contacting media into contact with their respective line conductors and trunk conductors.

1,506,272. HAIR FORM. WARREN C. SCHERER and EVELYN D. SCHERER, Buffalo, N. Y. Filed Mar. 29, 1922. Serial No. 547,639. 11 Claims. (Cl. 132—54.)



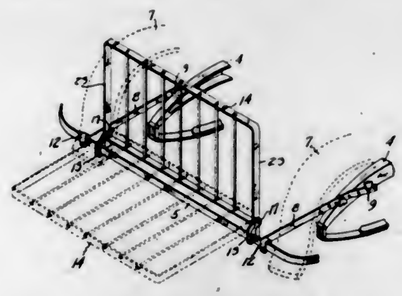
1. A hair form or frame formed of wire and having a base and a crown portion, said crown portion comprising two sections, each being secured to said base at one side of the transverse center of the latter.

1,506,273. SLIVER CAN. HERBERT E. SMITH, Putnam, Conn. Filed May 4, 1923. Serial No. 636,569. 4 Claims. (Cl. 220—8.)



1. A sliver can having a free and unobstructed inner surface throughout, in combination with an extensible member telescopically fitting said can and always free to automatically rise as the sliver expands, and to prevent the sliver from overflowing the can.

1,506,274. COMBINED BUMPER AND LUGGAGE CARRIER. EDWARD H. SPECHT, Oakland, Calif. Filed Feb. 1, 1924. Serial No. 689,861. 8 Claims. (Cl. 293—55.)

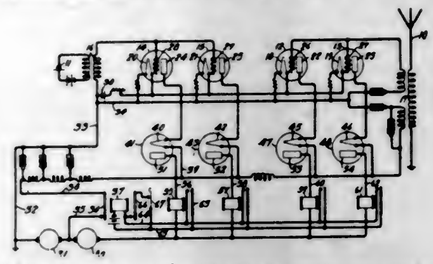


3. In a device of the character described, a bumper bar adapted to extend across the rear of an automobile, a pair of brackets positioned on said bar intermediate its ends and adapted for securing said bumper to the longitudinal frame members of the automobile, and a luggage carrier rack pivotally carried on said bar and interposed between said brackets.

1,506,275. PROTECTIVE MEANS FOR ELECTRIC CIRCUITS. GEORGE H. STEVENSON, Rye, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. a Corporation of New York. Filed May 25, 1921. Serial No. 472,365. 29 Claims. (Cl. 179—171.)

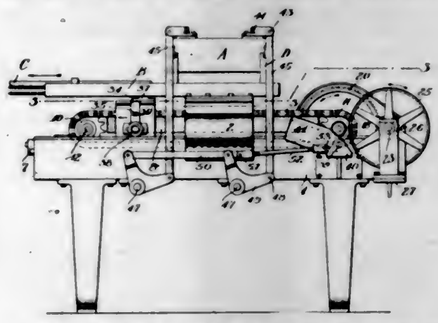
1. In combination, a vacuum tube having an anode and a cathode, a second vacuum tube having a filamentary cathode and a second electrode, a source of voltage for said first tube, and external connections for said second cathode, said external connections being connected in series with said anode, said first cathode and said source.

23. In combination, a line, means for supplying high frequency waves modulated by signals to said line, and



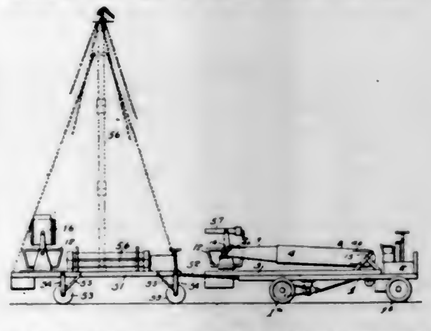
means responsive to said modulated waves for determining when said modulated waves will be transmitted to said line.

1,506,276. MACHINE ELEMENT. FRANK H. STOLP, Geneva, N. Y., assignor to The Stolp Company, Inc., Geneva, N. Y., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 546,143. 8 Claims. (Cl. 113—33.)



1. The combination with a bed, an endless flexible carrier having upper and lower reaches traversing said bed in opposite directions and means for driving the carrier, of a cross head reciprocatable on the bed, a slide transversely movable on the cross head and carried by the carrier, a vibratory guide member pivoted to the bed to normally stand at an angle to the path of the cross head and an actuator on the latter adapted to cooperate with the guide member and vibrate same.

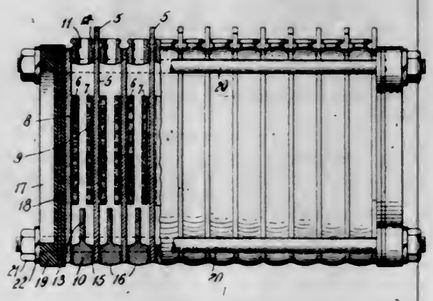
1,506,277. MILITARY RECONNOITERING APPARATUS. JOSEPH B. STRAUSS, Chicago, Ill. Filed Oct. 29, 1915. Serial No. 58,647. Renewed June 6, 1921. Serial No. 475,553. 5 Claims. (Cl. 189—44.)



1. A military reconnoitering apparatus comprising a movable frame, an observation tower mounted thereon, a platform carried by said tower, means for lengthening

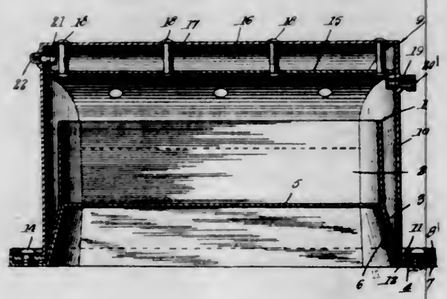
and shortening said tower and for raising and lowering it, and a flexible adjusting means automatically adjusting itself as the tower is lengthened and shortened for holding the platform substantially horizontal in all positions of the tower.

1,506,278. BATTERY. NORMAN DEXTER STURGES, Bellerose, N. Y., assignor to Multiple Storage Battery Corporation, a Corporation of New York. Filed May 15, 1922. Serial No. 561,065. 20 Claims. (Cl. 204—29.)



1. In a battery cell the combination of insulating and metallic members forming the body of the cell and a fluid-tight joint between the abutting surfaces of the members consisting of a ridge on one of the members adapted to engage the adjacent surface of the other member.

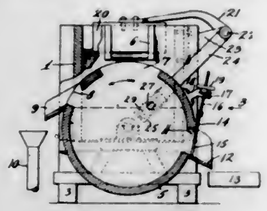
1,506,279. WATERPROOF VAULT. PLESANT S. TORRENCE, Salisbury, N. C. Filed May 3, 1924. Serial No. 710,893. 3 Claims. (Cl. 77—35.)



1. In a device of the class described, a receptacle including a body having an outwardly slanting depending apron provided with an outstanding flange, a bottom in the body and having an outwardly slanting depending apron engaging the apron of the body, and provided with an outstanding flange engaging and located beneath the flange of the apron of the body, and a cover inverted over the body and having an outstanding flange, and securing elements connecting all of the flanges.

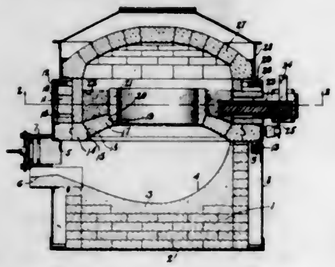
1,506,280. STUFF-BOX REGULATOR. CALVIN C. YATES, Lee, Mass. Filed Jan. 11, 1922. Serial No. 528,513. 15 Claims. (Cl. 92—46.)

1. In an apparatus of the class described, the combination with a stuff box and means for delivering stock thereto, a regulator chamber to which the stock is delivered from the box, a delivery opening in the chamber, and means controlled by the consistency of the stock



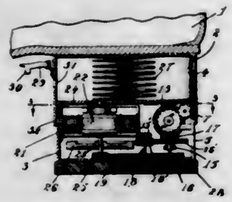
in the box for increasing or decreasing the pressure head of the stock in the chamber to vary the volume of stock passing through the delivery opening per unit of time.

1,506,281. ELECTRIC FURNACE. THADDEUS F. BAILY, Alliance, Ohio. Filed Aug. 28, 1923. Serial No. 659,738. 6 Claims. (Cl. 204—64.)



2. In an electric furnace having a heating chamber and a hearth therein, a rib upon the walls of the heating chamber, above the hearth, and an arched resistance trough supported upon said rib and in juxtaposition to the walls of the heating chamber.

1,506,282. ELECTRIC SHOE. JOSEPH BARBIERI, St. Vincent de Paul, Quebec, Canada. Filed Oct. 12, 1923. Serial No. 668,218. 4 Claims. (Cl. 171—76.)

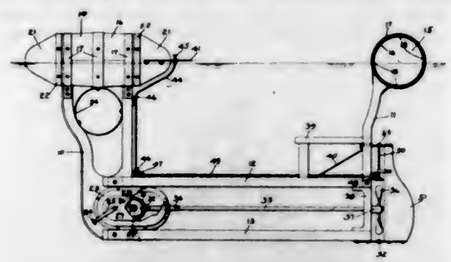


1. An electric shoe comprising a pair of relatively slidable heel sections, a rack carried by one of said sections, a pinion rotatably supported in the other section and in engagement with said rack, a generator supported in one of said sections, and means for driving the generator from the pinion.

1,506,283. HYDROCYCLE. QUIRINO BARTOLOMUCCI, New York, N. Y. Filed Aug. 6, 1923. Serial No. 655,806. 1 Claim. (Cl. 9—18.)

A hydrocycle comprising a frame, a plurality of floats, a propelling mechanism on the lower portion of said frame, a slotted plate attached rigidly to the upper part of said frame, handles integral with the rear edge of said

plate, a steering knob slidably mounted on said slotted plate, a steering lever adapted to be rotated by the move-



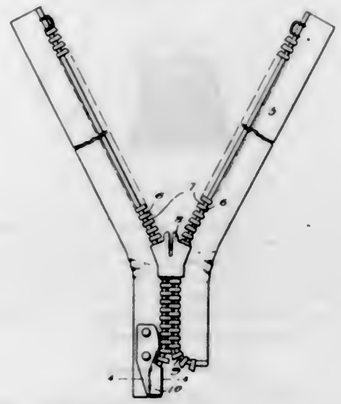
ments of said knob, a rudder rotatably mounted on the rear lower portion of said frame, and means for transmitting the motion of said steering lever to said rudder.

1,506,284. DISINFECTING DEVICE IN COMBINATION WITH TELEPHONE MOUTHPIECES. WILLIAM HENRY BENNETT, Victoria, British Columbia, Canada. Filed June 22, 1922. Serial No. 570,257. 2 Claims. (Cl. 179—185.)



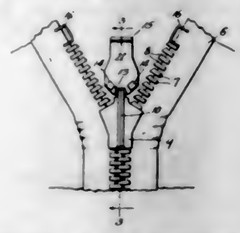
1. A telephone receiver mouth-piece moulded chiefly of gypsum and having its external diameters and shape correspondingly similar to the internal diameters and shape of the standard telephone mouth-piece, and having embedded therein a metal ring with bendable tabs projecting from its exterior surface.

1,506,285. CLOSURE MEMBER. RALPH H. BINNS, Pittsburgh, Pa. Filed May 16, 1922. Serial No. 561,383. 6 Claims. (Cl. 24—225.)



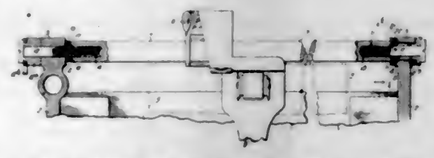
6. A closure member including in combination a pair of strips, interengaging arms associated with said strips, an actuating member carried by said strips and adapted to cause an engagement and disengagement of said arms, the end of one of said strips being extended beyond the end of the second of the same and a track carried by said first named strip at a point beyond the end of said second strip.

1,506,286. CLOSURE LOCK. RALPH H. BINNS, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,853. 6 Claims. (Cl. 24—205.)



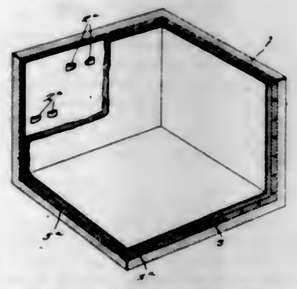
4. In a closure lock, the combination with stringers carrying spaced interlocking members, and an actuating member embracing and sliding upon said interlocking members for effecting their engagement and disengagement, of a plate movably attached to and shaped to fit over said actuating member and engage said interlocking members, and fingers carried by said plate between its ends adapted to engage parts carried by said stringers.

1,506,287. TYPEWRITING MACHINE. HERBERT E. BRIDGWATER, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 16, 1924. Serial No. 693,252. 18 Claims. (Cl. 197—139.)



1. In a typewriting machine, the combination of two supports spaced apart, a rod or bar extending between said supports, screws on said supports and threaded into the ends of said rod or bar, and a member separate from said rod and interposed between one of its ends and the adjacent support, one of said screws being effective to cause said member to intersect in self-adjusting fixed relationship with the end of the rod.

1,506,288. ACID-PROOF TANK OR CONTAINER. FERDINAND F. BRUCKER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 19, 1923. Serial No. 681,578. 5 Claims. (Cl. 206—2.)



1. An acid-proof tank comprising a metal body having anchoring devices secured to the walls thereof, a foundation layer of rubber compound having a sheet of retic-

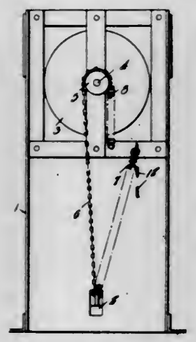
ulated material incorporated therewith, which sheet is engaged by said anchoring devices, and a protecting sheet of rubber compound overlying said foundation layer and united thereto by vulcanization.

1,506,289. HEEL AND ATTACHING PLATE THEREFOR. ARTHUR W. BUCK, St. Louis, Mo., assignor to Cinderella Heel Corporation, St. Louis, Mo., a Corporation of Missouri. Filed July 16, 1920. Serial No. 396,747. 4 Claims. (Cl. 36—41.)



1. In a shoe including the heel seat portion thereof, a hollow heel having a rearwardly inclined wall, said heel being provided with downwardly inclined passageways, and an obliquely disposed tongue depending from said heel seat portion of the shoe, separated portions of said tongue being adapted to be inserted downwardly into said inclined passageways in said heel to engage the walls of said inclined passageways.

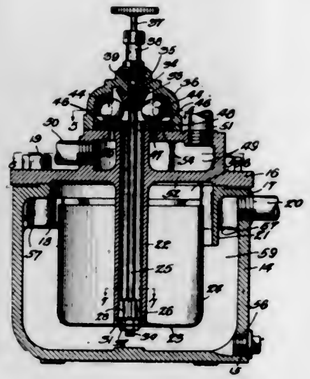
1,506,290. OILER FOR POULTRY AND ANIMALS. JOHN WILLIAM CARDWELL, Republic, Kans., assignor of one-half to Frank Z. Stover, Republic, Kans. Filed Oct. 13, 1923. Serial No. 668,386. 5 Claims. (Cl. 119—157.)



1. An oiler of the class described comprising a supporting frame, a depressible platform mounted in said frame, a rotatable tank mounted above said platform, a connection between said tank and platform whereby depression of the platform will turn the tanks, said tank having means for delivering a predetermined quantity of the contents of the tank on the depression of the platform.

1,506,291. STEAM TRAP. LYLE G. CHASE, Chestnut Hill, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1920. Serial No. 431,351. 12 Claims. (Cl. 137—103.)

1. In a steam trap, a casing adapted to receive steam and water, a bucket therein adapted to float when water has been expelled from it and to sink when it has received water, a guide for the bucket, walls forming a passage leading upwardly from the interior of the bucket, upwardly facing valve seats having passages therethrough in communication with the upper end of the first named



passage, ball valves resting in the valve seats when the bucket is raised and mechanism connected with the bucket to move with it, adapted to move the balls positively from their seats when the bucket sinks and permitting them to come back to their seats when the bucket floats.

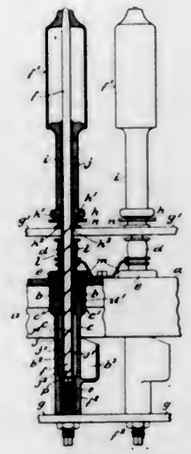
1,506,292. BARBER'S MAGAZINE POWDER BRUSH. SALVATOR CORSELLO, Brooklyn, N. Y. Filed Feb. 4, 1924. Serial No. 690,363. 4 Claims. (Cl. 15—138.)



1. In a barber's powder brush, the combination of a brush head, a powder receptacle spaced from but secured to said head, registering apertures in the bottom of said receptacle and in said head, and a valve disk universally slidable between said head and said receptacle, and means for automatically centralizing said disk whereby said registering apertures are normally closed.

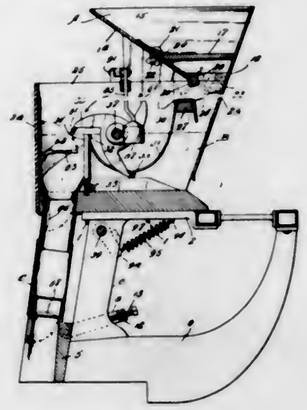
1,506,293. SPINDLE APPARATUS FOR CAP SPINNING AND LIKE FRAMES. WALTER DARGUE, Halifax, England. Filed Apr. 16, 1923. Serial No. 632,408. 7 Claims. (Cl. 118—66.)

1. In a spinning apparatus, a stationary bearing, a driving whorl having a non-slidable tubular stem journaled in the said bearing, a non-slidible spindle secured concentric with the said tubular stem, a tube slidable



vertically on the said spindle and in the said tubular stem, means for revolving the said tube from the whorl, and a bobbin operatively connected with the said tube.

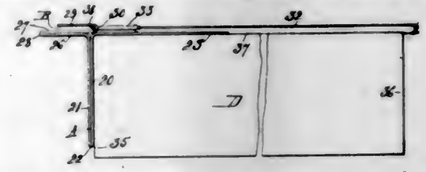
1,506,294. POTATO-PLANTER ATTACHMENT FOR CORN PLANTERS. NICK FABER, Sioux City, Iowa. Filed Feb. 26, 1923. Serial No. 621,162. 3 Claims. (Cl. 221—118.)



1. In a potato planter, a main and an auxiliary hopper, means for feeding the potatoes from the main hopper to the auxiliary hopper, means for selectively removing the potatoes from the auxiliary hopper and being normally operatively connected with the feeding means and means located in the auxiliary hopper and adapted to be operated by the accumulation of the potatoes in the auxiliary hopper to interrupt the operative connection between the potato selecting means and the potato feed means.

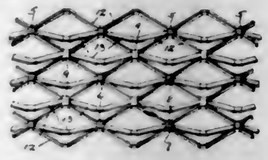
1,506,295. TAPELINE HOLDER. EMIL FORDER, Jersey City, N. J. Filed July 15, 1922. Serial No. 575,423. 2 Claims. (Cl. 33—137.)

1. In a tape line holder the combination of an abutting leg comprising a pair of parallel and adjacent members, a supporting member at right angles to the leg and extending from one of the members thereof, a table extending from the other member of the abutting leg and at right



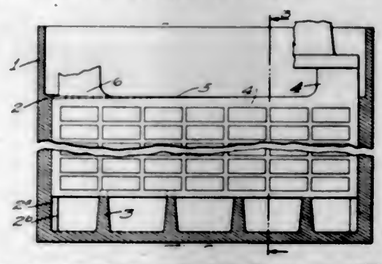
angles thereto, a hook comprising a lower member parallel and adjacent to said table and a prong parallel to and spaced from the lower member of the hook.

1,506,296. RIBBED EXPANDED METAL. DOUGLAS K. FORSYTH, Youngstown, Ohio, assignor of one-third to William S. Lowrie, Akron, Ohio, and one-third to Robert R. Wutt, Massillon, Ohio. Filed July 17, 1922. Serial No. 575,519. 3 Claims. (Cl. 72—117.)



1. An expanded metal mesh comprising metal strips arranged in diamond mesh, the strips forming the sides of the diamond being arranged vertically, and connecting strips lengthwise of the diamonds arranged horizontally, the connecting portions forming open ended cups, the longitudinal connecting strips being bowed out of the plane of the mesh to add vertical depth to the reinforcement.

1,506,297. STORAGE-BATTERY CELL. ARTHUR O. GARRETT, San Diego, and CHRISTOPHER E. FUNNELL and WILLIAM L. HOFFMAN, Los Angeles, Calif.; said Funnell and said Garrett assignors to said Hoffman. Filed Nov. 4, 1920. Serial No. 421,698. 3 Claims. (Cl. 204—38.)



1. A storage battery cell, including a jar with end members provided with vertical spaced apart grooves therein extending from the tops of the plates positioned therein to the bottom of the jar and of a width to receive a plate and a pair of separators, plates with their side edges mounted in the middle of said grooves and separator plates with their side edges mounted in said grooves on opposite sides of said edges of said plates, the edges of a plate and two separators lodged in each groove, filling the same.

1,506,298. HOSE SUPPORTER. JESSIE L. GABLER, Fond du Lac, Wis. Filed Apr. 8, 1924. Serial No. 705,008. 2 Claims. (Cl. 24—246.)

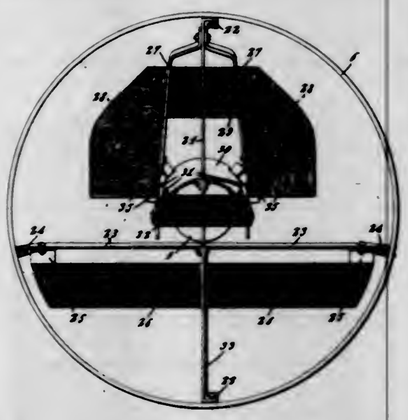
1. In combination with a garment supporter comprising a keyholed clasp, a button bearing strap with which the keyholed clasp is engaged, the button of the strap

having a head engageable throughout the opening of the keyhole clasp at the large portion of the clasp, the bight portion forming the lower end of the smaller portion of the opening of the clasp limiting the downward movement of the button in the opening and combining



with the button to maintain the garment engaged therewith, said button having a resilient flange at its upper end, a ring pivoted to said bight portion of the clasp and swingable to engage over the button, said ring being engageable beneath the flange of the button by pressure deforming the flange.

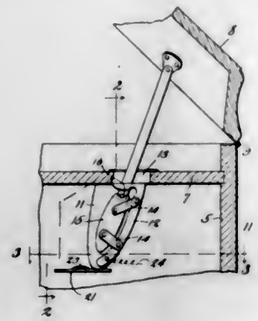
1,506,299. SHIELD. LESTER G. GULDE, Minneapolis, Minn. Filed Dec. 6, 1923. Serial No. 678,995. 5 Claims. (Cl. 240—48.4.)



1. In a device of the character described, a supporting member, laterally disposed dividing members supported by the supporting member, a guard mounted on the upper portion of the supporting member and including depending members disposed in spaced relation with the supporting member, a hood mounted on the supporting member, said supporting member having a curved cut out portion to accommodate an electric bulb, and shielding members formed with openings to diffuse the light rays projected therethrough.

1,506,300. ILLUMINATING DEVICE FOR TALKING MACHINES. WILLIAM S. HARP, Baltimore, Md. Filed June 15, 1923. Serial No. 645,512. 2 Claims. (Cl. 240—2.)

1. The combination with a talking machine cabinet and a lid therefor, of an electric lamp, a guiding means, a resilient strip normally engaging the guiding means, an electrical connection between one terminal of the lamp and the guiding means, an electrical connection between the other terminal of the lamp and the strip, one of said connections including a source of electrical current, and

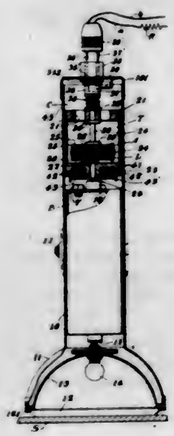


a prop bar movable with the lid and relative to the guide to shift the strip out of contact with and permit its return into contact with the guide.

1,506,301. PROCESS OF MAKING SULPHUR DIOXIDE. CHARLES S. HOLLANDER, Philadelphia, Pa., assignor to Rohm & Haas Company, a Corporation of Delaware. Filed Oct 16, 1922. Serial No. 594,750. 4 Claims. (Cl. 23—1.)

1. The method of producing sulphur dioxide which comprises the steps of spraying a suspension of sulphur and sulphuric acid on a hot plate and permitting their vapors to react.

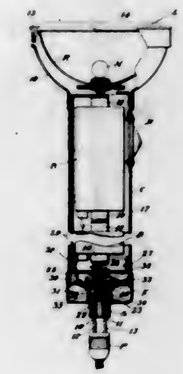
1,506,302. FLASH LIGHT AND ELECTROLYTIC RECTIFIER. NEVIL MONROE HOPKINS, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Dec. 20, 1920. Serial No. 432,022. 16 Claims. (Cl. 240—8.5.)



1. A portable electric lighting device comprising in combination, an electric lamp, a storage battery in circuit with said lamp, a casing for said lamp and said battery, asymmetric conducting means removably disposed in said

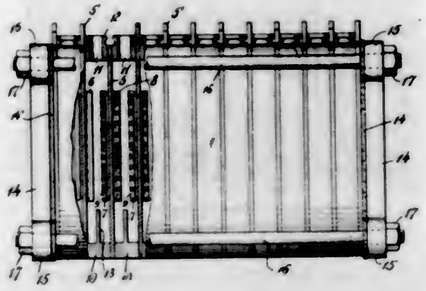
casing in circuit with said battery and means on said casing for coupling current supply means in circuit with said battery and said asymmetric conducting means.

1,506,303. FLASH LIGHT. NEVIL MONROE HOPKINS, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Dec. 20, 1920. Serial No. 432,023. 13 Claims. (Cl. 240—8.5.)



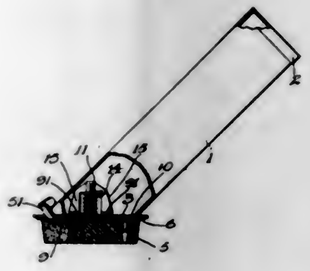
1. A flashlight comprising in combination a tubular casing member, a rechargeable battery in said casing member, an electric lamp in circuit with said battery, means mounted on and closing one end of said member, a cover normally closing the other end of said member, a switch in circuit with said lamp and battery, an insulating device extending through said cover, and electrical terminals carried by said device, connected in circuit with said battery and adapted to be coupled to an electric supply circuit for charging said battery.

1,506,304. BATTERY. LESTER L. JONES, New York, and NORMAN DEXTER STURGES, Bellerose, N. Y.; said Sturges assignor to Multiple Storage Battery Corporation. Filed May 13, 1922. Serial No. 560,547. 5 Claims. (Cl. 204—29.)



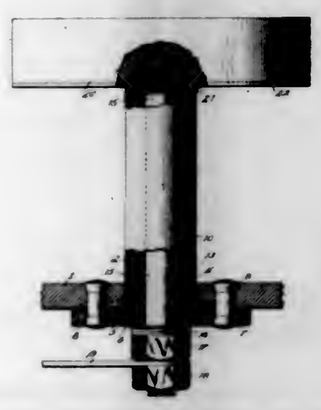
1. In a battery the combination of a plurality of assembled cell units, each consisting of an insulating spacer and dividers of rolled sheet lead forming the walls of the cell, active plates secured to the opposite sides thereof, the dividers serving as supports for the active plates and as electrical connections between the adjacent cells, and means for clamping the spacers and dividers in assembled relation, the spacers and dividers being circular in form whereby the pressure applied by the clamping means is equalized and bucking of the dividers is prevented.

1,506,305. CLEANING IMPLEMENT. GEORGE J. KELLER, Lynn, Mass. Filed Sept. 16, 1922. Serial No. 588,590. 4 Claims. (Cl. 15—138.)



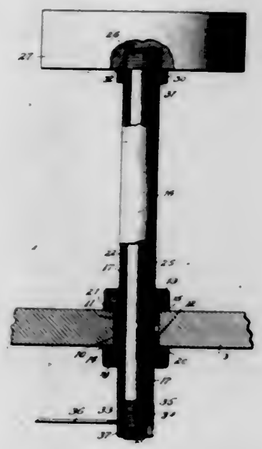
2. An implement for purposes substantially as set forth, comprising in combination a working face having pockets, a reservoir handle to contain the substance to be applied by the implement, disposed at an acute angle to the said working face and having one or more outlets through which such substance may find its way from the reservoir to the said pockets, a valve-member spring-actuated to stand normally in closed position and manually operable to open said outlet or outlets, and a stirrer within said reservoir connected with said valve-member and automatically actuated by the spring.

1,506,306. ANODE. ALEXANDER KIRKALDY, Brooklyn, N. Y., assignor to Kirkaldy Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1923. Serial No. 668,847. 3 Claims. (Cl. 204—4.)



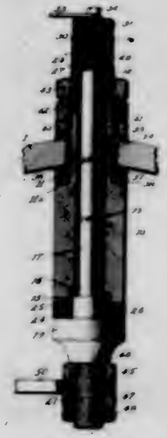
1. An anode of the character described, comprising a metallic disk having one of its faces completely covered with insulating material.

1,506,307. ELECTRODE. ALEXANDER KIRKALDY, Brooklyn, N. Y., assignor to Kirkaldy Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,753. 10 Claims. (Cl. 204—1.)



1. In an electrolytic system of the character described, a metallic water containing casing, an electrode projecting within and insulated from said casing capable of being adjusted to vary the extent of its projection within said casing.

1,506,308. ELECTRODE. ALEXANDER KIRKALDY, Brooklyn, N. Y., assignor to Kirkaldy Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 20, 1923. Serial No. 675,871. 7 Claims. (Cl. 204—25.)



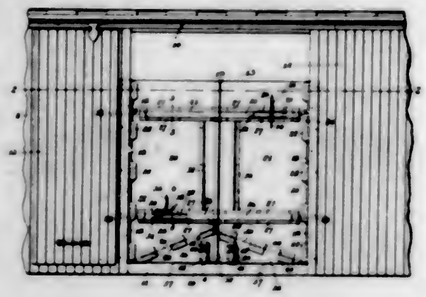
1. In an electrolytic system for the protection of boilers, an electrode having in combination a body member of non-insulating material to project through a boiler shell into exposed position within the boiler and insulated therefrom, and a current conducting member extending through said body member and insulated from said body member and the boiler shell.

1,506,309. TIRE MOUNTING FOR WHEELS. RUDOLPH A. KLATT, Tonawanda, N. Y., assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y., a Corporation of New York. Filed June 22, 1922. Serial No. 570,119. 1 Claim. (Cl. 152—6.)



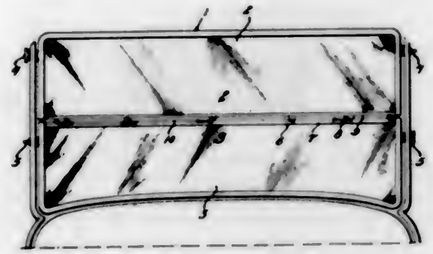
A tire mounting for a wheel having a felloe, comprising a channel adapted to be arranged on said felloe with its trough facing outwardly, a metal band engaging with the bottom of the trough of said channel, an elastic tire arranged in the trough of said channel and resting on said band, and means adapted to connect said felloe, band and channel, said tire resting freely in said channel and being disconnected from said felloe.

1,506,310. GRAIN CAR DOOR. MARTIN KLAUS, Buffalo, N. Y. Filed Nov. 26, 1921. Serial No. 518,059. 8 Claims. (Cl. 20—28.)



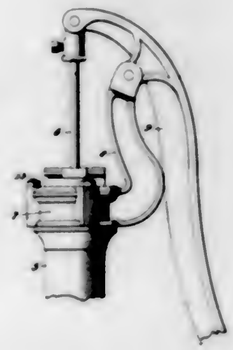
1. A car provided with a door opening, a door comprising two members hinged to opposite sides of the door opening and meeting at the center thereof, a slide bolt on each door member adapted to engage the other door member, and a triangular auxiliary section movably applied to the lower edge of each door member and forming part thereof, each of said auxiliary sections being movable independently of said door members and having one of its three edges alined with the outer or free edge of the door member to which it is applied.

1,506,311. WEATHER STRIP. LOUIS B. KNIGHT, Atlantic City, N. J. Filed Feb. 8, 1923. Serial No. 617,715. 5 Claims. (Cl. 296—93.)



5. A weather strip comprising a transparent strip and a transparent rib projecting from the strip and adapted to fit between the opposed edges of a pair of windshield glass plates, the rib consisting of a channel-shaped strip having its edges secured to the transparent strip.

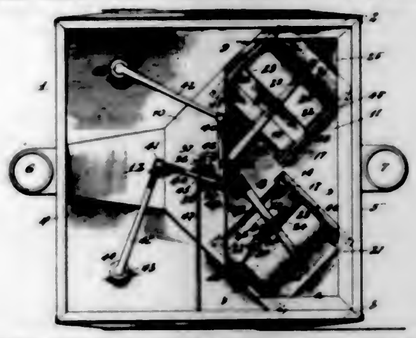
1,506,312. PUMP. GEORGE G. KLENZMANN, Cedar Rapids, Iowa. Filed Feb. 2, 1924. Serial No. 690,273. 3 Claims. (Cl. 103—217.)



1. The combination of a pump cap having a plurality of hook bolts disposed therein, and a pump standard fitting inside said cap, and grooved to receive the hooks of said bolts, and provided with a bolt supporting flange with a single gap to admit a bolt.

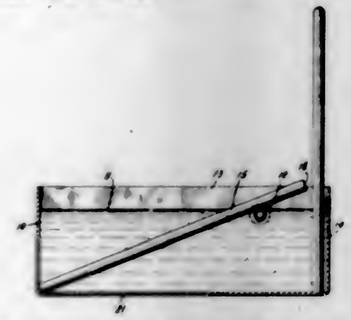
1,506,313. GAS METER. GEORGE A. LANE, Chicago, Ill., assignor to American Meter Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed Jan. 9, 1919. Serial No. 270,303. 2 Claims. (Cl. 73—1.)

1. In a gas meter, in combination, a suitable casing, a valve table in said casing, a valve seat, a valve cover on said seat, an operating shaft, a valve arm connecting the shaft with the cover, said arm being pivotally connected at its front end with the rear part of the cover, and provided at an intermediate portion with an anti-friction roller, a bracket carried by the cover and having



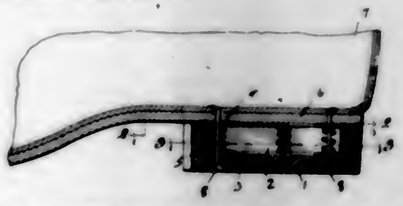
a curved slot therein, which receives the antifriction roller, whereby two connections between the valve arm and the cover are obtained for reciprocating the cover.

1,506,314. METHOD OF COATING TUBULAR ARTICLES BY IMMERSION. MORRIS LOWY, New York, N. Y. Filed Apr. 18, 1922. Serial No. 555,381. 2 Claims. (Cl. 91—68.)



1. The method herein described of coating substantially U-shaped tubular objects, which consists in immersing the major portion of the object in a bath of coating material with its open ends projecting above the coating material, and then dipping the open ends of the object into the coating material so as to coat those portions thereof which were left uncoated during the first immersing step.

1,506,315. RUBBER HEEL. ALBERT B. LYWITZKI, Chicago, Ill. Filed Mar. 14, 1923. Serial No. 625,008. 2 Claims. (Cl. 36—38.)



1. A cushioned heel comprising a body portion formed of rubber and having a recess formed in its upper face, a plate conforming to the shape of the recess supported therein, a series of cushioning springs supported on said plate, a second plate adapted to conform to the shape of the recess and similar in structure to the first mentioned plate adapted to be supported by the cushioning springs.

each of said plates being provided with an enlarged central opening and small openings therethrough adapted to register with each other and with a passageway through each of the cushioning springs, and means for fastening said rubber portion and cushioning springs to the heel of a shoe.

1,506,316. PYRAZOLONE DYE AND PROCESS OF MAKING THE SAME. EUGENE A. MARKUSH, Jersey City, N. J., assignor to Pharma-Chemical Corporation, a Corporation of New York. Filed Jan. 9, 1923. Serial No. 611,637. 16 Claims. (Cl. 260—87.)

1. The process for the manufacture of dyes which comprises coupling with a halogen-substituted pyrazolone, a diazotized unsulphonated material selected from the group consisting of aniline, homologues of aniline and halogen substitution products of aniline.

15. The yellow coloring matter which may be obtained by coupling to halogen-substitution products of pyrazolone, a diazotized unsulphonated material selected from the group consisting of aniline, homologues of aniline and halogen substitution products of aniline; the matter being capable of dyeing silk and wool in acidulated baths.

1,506,317. METHOD OF MAKING RUBBERIZED PARCHMENT PAPER AND THE PRODUCT THEREOF. THOMAS CLARENCE MARSHALL, Yorklyn, Del., and JAMES LEWIS MCCLELLAN, Kennett Square, Pa.; said McClellan assignor to said Marshall. Filed Dec. 16, 1922. Serial No. 607,418. 6 Claims. (Cl. 92—21.)

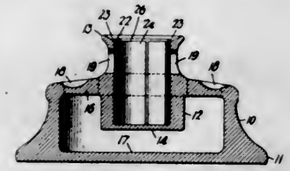
1. The herein described method of making rubberized fibre consisting in adding rubber latex to paper in the process of manufacture, coagulating the latex and hydrating the cellulose.

1,506,318. CAN OPENER. JESSE S. MOORE and JEROME MEYER, New York, N. Y. Filed Apr. 29, 1922. Serial No. 557,334. 1 Claim. (Cl. 30—3.)



A can opener comprising a lever arm having at its front end a forwardly projecting curved prong adapted to penetrate the top and side wall of a can to provide two spaced fulcrum points, a fulcrum-blade overhanging said prong, and a curvilinear blade carried by the lever arm, as and for the purpose described.

1,506,319. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed Oct. 5, 1921. Serial No. 505,632. 14 Claims. (Cl. 206—20.)



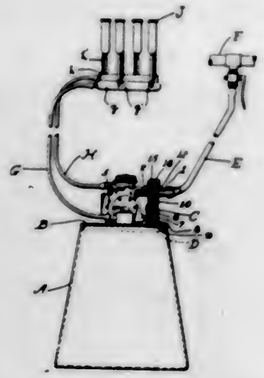
1. An open-top ash-receptacle formed of molded ware, and having integral therewith a match-safe nested within and rising above the ash-receptacle, and provided at its upper portion with a side perforation in which to insert a match to be struck against an igniting device fitting within the match-safe.

1,506,320. HIGH-FREQUENCY ELECTRIC ARC. EDWIN FITCH NORTHRUP, Princeton, N. J., assignor, by mesne assignments, to Ajax Electrothermic Corporation, Trenton, N. J., a Corporation of New Jersey. Filed July 30, 1919. Serial No. 314,242. 20 Claims. (Cl. 204—64.)



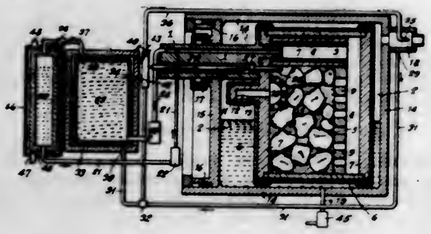
1. A plurality of electrodes arranged to present a plurality of gaps for electric arcs in combination with a source of high frequency alternating current supply therefor and an inductance in series with the parallel arcs.

1,506,321. MILKING MACHINE PULSATOR. ERNEST C. OAKES, Bloomfield, N. J., assignor, by mesne assignments, to Empire Milking Machine Company, Bloomfield, N. J., a Corporation of New Jersey. Filed Apr. 1, 1922. Serial No. 548,688. 3 Claims. (Cl. 31—101.)



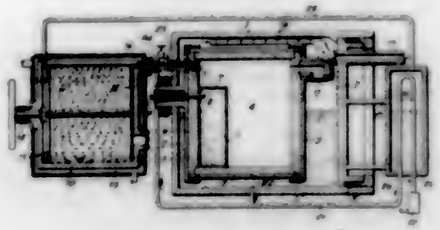
1. In a milking machine, a vacuum actuated pulsator, a common vacuum pipe connecting with a teat-cup pulsator port and valves and with a milk pail port and valve, a trap in the pulsator port connection and a separate trap in the milk pail valve connection.

1,506,322. METHOD AND MEANS OF PRODUCING HEAT. JOHN HUGH O'NEILL, Springfield, Mo. Filed Dec. 5, 1919. Serial No. 342,832. 7 Claims. (Cl. 110—1.)



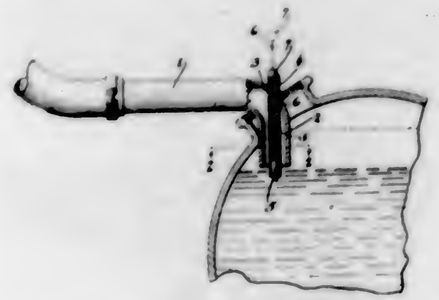
1. The method of producing heat away from atmospheric air which consists in liquefying ammonium nitrate, mixing the same with alcohol in predetermined proportions, and vaporizing and burning the mixture.

1,506,323. METHOD AND MEANS OF PRODUCING HEAT. JOHN HUGH O'NEILL, Springfield, Mo. Filed Dec. 5, 1919. Serial No. 342,833. 5 Claims. (Cl. 110—1.)



1. The method of producing heat away from atmospheric air which consists in mixing a pulverized fuel with a normally solid combustent, applying heat to the mixture to melt the combustent and reduce the mixture to a soft mushy condition, conveying the soft mixture at a governed rate to a combustion chamber which has been previously heated to temperature above the ignition point of the mixture.

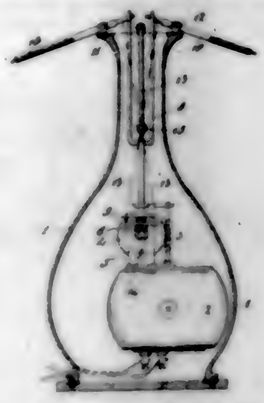
1,506,324. OIL GAUGE. JOHN W. OWENS, Jefferson, Iowa, assignor of one-half to Charles G. Keller, Jefferson, Iowa. Filed Sept. 14, 1923. Serial No. 662,701. 1 Claim. (Cl. 116—118.)



In a filling device of the class described, a pipe section having one end thereof bent downwardly to provide an elbow, the crown portion of said elbow being provided with an opening disposed on a vertical axis concentric with the dependent portion of said elbow, a tube securely fitted in said opening and having its end projecting respectively above the crown of said elbow and below the lower end of the latter, a float movably mounted in said tube, an elongated stem carried by said float and projecting thereabove, and an enlarged member mounted on the upper end of said stem to form a handle and indicator for said float, said member being adapted to be seated on the upper peripheral edge of said tube when the float is in its lowermost position.

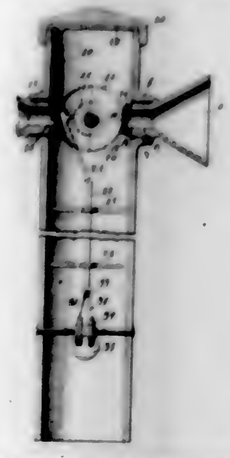
1,506,325. AUTOMATIC FAN. ETTORE PARISI, Rome, Italy. Filed Sept. 25, 1922. Serial No. 590,458. 1 Claim. (Cl. 230—1.)

A fan comprising a stem or casing, a motor therein, including a worm, a gear engaged by said worm, a crank revoluble by said gear, a forked rod mounted for vertical movement and having a slot in which the pin of the



crank operates, and fans pivotally mounted on said stems or casing and connected to the forks of said rod for operation thereby.

1,506,326. RAILWAY CROSSING SIGNAL. EDGAR T. PARKER, Los Angeles, Calif. Filed Mar. 24, 1923. Serial No. 627,450. 8 Claims. (Cl. 246—294.)

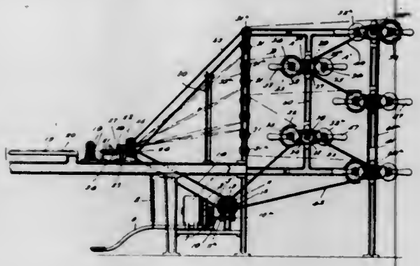


2. In a signalling device, a supporting element, a shaft carried thereby, a visible signal carried by the shaft, audible signal members carried by the supporting elements and including a vibrating diaphragm, anvils carried by said diaphragm, a toothed wheel arranged upon the shaft for rotation therewith and adapted to engage the anvils whereby rotation of the shaft will simultaneously produce a visible and audible signal, and means for imparting movement to the shaft.

1,506,327. APPARATUS FOR CUTTING AND WINDING FABRIC STRIPS. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1922. Serial No. 537,270. 18 Claims. (Cl. 242—64.)

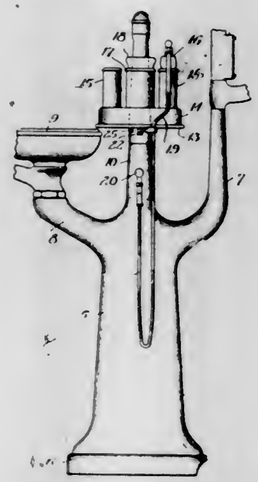
3. In apparatus of the class described, a support having spaced wall portions, a driving shaft journaled in said wall portions, a driving wheel fast on said shaft between said wall portions with means for operating it,

said shaft projecting through said wall portions, driving wheels fast on said projecting portions, spool carriers rotatably mounted on said projecting portions, spindles rotatably mounted on said carrier on opposite sides of



said shaft portions, means for driving said spindles from said driving wheels, spools on said spindles, and means for rotating said carrier and for holding it in desired positions.

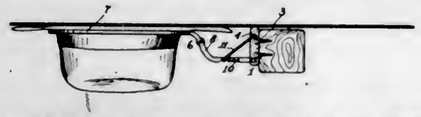
1,506,328. DENTAL EQUIPMENT STAND. ALPHONSE F. PIEPER, Rochester, N. Y. Filed Jan. 26, 1923 Serial No. 615,178. 4 Claims. (Cl. 32—3.)



1. A dental equipment stand provided with an instrument and with means for removably supporting the latter thereon, a flexible conductor connected at one end with said instrument and at the other with said stand and having its intermediate portion looped to provide for extensible movement of said instrument, and an arm pivotally mounted at one end adjacent said supporting means and provided at its other end with a keeper portion for retaining the looped portion of said conductor adjacent said stand.

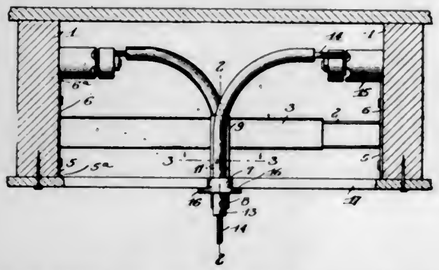
1,506,329. HAT HOLDER. WILFORD H. PIKE, Oakland, Calif. Filed Apr. 16, 1923. Serial No. 632,209. 2 Claims. (Cl. 45—13.)

1. A hat rack comprising a fastening plate, flanges on said plate, a holding frame pivoted to said flanges, said holding frame comprising a hat ring, arms connecting said ring to said flanges and provided with a plurality of notches, an adjusting link pivoted to said



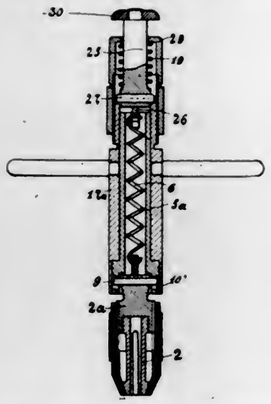
flanges and adapted to project into any one of the said notches whereby the ring might be held in any one of a plurality of positions.

1,506,330. SUPPORT FOR ELECTRICAL FIXTURES. BURTON A. VANDY, Rochester, N. Y., assignor to Sarah Vandy, Rochester, N. Y. Filed Mar. 27, 1922. Serial No. 546,951. 5 Claims. (Cl. 247—1.)



4. A support for electrical fixtures comprising two channel members one of which is received within the other and the channel in the members being opposed, and anchoring lugs extending outwardly in opposite direction from the side walls of each of the channel members, said lugs at each end having different lengths, and each of said lugs having its outer edge positioned to the same distance from the longitudinal axis of the hanger that a lug in the opposite end has its edge positioned from such axis.

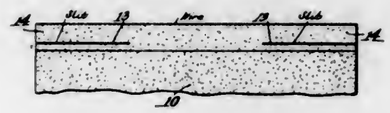
1,506,331. TOOL HOLDER. IVÁN BENKO, Vienna, Austria. Filed July 19, 1921. Serial No. 485,945. 10 Claims. (Cl. 10—135.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



3. A tool-holder comprising, in combination a driving member, a driven member for the cutting tool laterally and axially yieldingly coupled to the driving member, a sleeve arranged between the driving and driven members and adapted to be driven by the driving member,

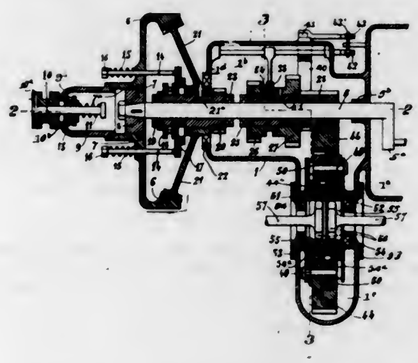
and a spring axially located in the said sleeve adapted to be rotated by the latter and coupling the said two members with one another, said spring permitting of a lateral swinging motion of the axis of the tool.

1,506,332. BIB OR APRON FOR DENTISTS' USE AND THE LIKE. WILLIAM O. BLOOM, Boylston, Mass. Filed Apr. 25, 1923. Serial No. 634,616. 4 Claims. (Cl. 2—49.)



1. As an article of manufacture, a bib or apron for the purpose described formed from a piece of paper substantially rectanguiar at the top having the top doubled over on itself and pasted to the body of the bib and slit inwardly from its opposite edges within the area of the doubled over portion to form two straps separated from the body of the paper and adapted to pass around the neck of the wearer, these straps having means by which they can be connected together at the back, whereby the straps and the upper edge of the bib just below the straps near the side edges are reinforced by being formed of double thickness.

1,506,333. REAR AXLE FOR MOTOR VEHICLES CONSTITUTING A DRIVING AND CHANGE-SPEED UNIT. GERMAIN PIERRE BONNEVIE, Rive-de-Gier, France. Filed Aug. 7, 1920. Serial No. 401,992. 5 Claims. (Cl. 74—58.)



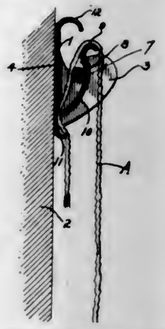
1. In a drive axle assemblage and gear box, a drive shaft passing through said box, a first clutch member supported and driven by one end of said shaft, a second clutch member loosely mounted on the shaft, a differential mechanism, reducing gearing adapted to connect the second clutch member to said differential mechanism, a clutch element on said reducing gearing, a second clutch element on the second clutch member adapted to be engaged by the first mentioned clutch element and forming one of the parts for driving the differential mechanism directly from the shaft, and a train of reducing gears connected constantly with the second clutch member and cooperating with the reducing gearing for permitting a plurality of speeds forward when the clutch elements are not in direct engagement.

1,506,334. SIGNAL. JESSE G. BOVEY, Lincoln, Nebr. Filed May 21, 1923. Serial No. 640,459. 3 Claims. (Cl. 74—39.)



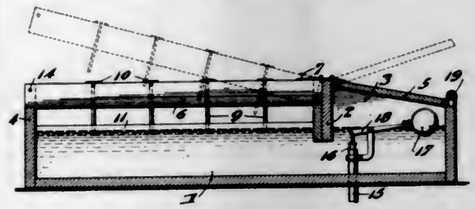
1. In an actuating device for vehicle signals, a support having an aperture therein, an L-shaped tubular member secured at one of its extremities in the aperture of said support, a plurality of tubular members of decreasing diameters telescoping into each other and into said L-shaped tubular member, a rigid rod slidable into the tubular member of least diameter, and a flexible rod secured at the inner extremity of said rigid rod and passing through all of said tubular members and projecting beyond said support.

1,506,335. RACK. WALTER G. BROWN, Balboa, Canal Zone, Panama. Filed Mar. 19, 1923. Serial No. 626,093. 8 Claims. (Cl. 45—32.)



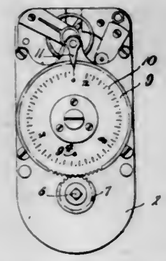
1. A device of the class described including a base member, a rocking support, means engaging the end portions of the rocking support for pivotally mounting the rocking support in spaced relation to the base member with its lower edge held in contacting engagement with the base member, by the weight of an article hung over its upper edge and adapted to grip a portion of the article extending between its lower edge and the base member.

1,506,336. STOCK-WATERING TROUGH. WILLIAM COMBELLICK, Gettysburg, S. Dak. Filed Sept. 8, 1922. Serial No. 586,907. 4 Claims. (Cl. 119—80.)



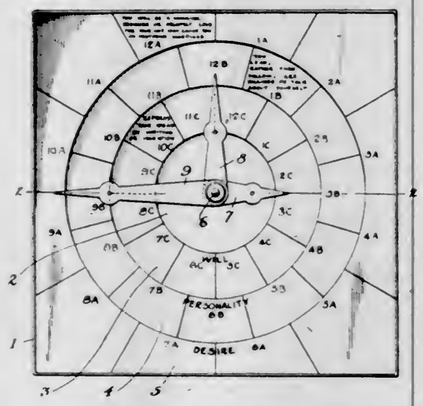
1. In a stock watering trough comprising, with a trough structure having its ends extending above the sides, a central rail supported by said extending ends hinged on one end to be swung up from the trough, and guard members carried transversely by said central rail and engaging with the sides of the trough when the rail is lowered.

1,506,337. SIGNAL FOR TIME LOCKS. FRANKLIN E. CRAWFORD, Winchester, Mass., assignor to Bankers Electric Protective Association, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1923. Serial No. 621,145. 7 Claims. (Cl. 161—1.)



1. In combination with a time clock having a rotary setting dial, a driver moving in time with the dial, a support provided with a series of spaced contacts arranged in a circular arc coaxial with the axis of the clock dial, a lamp in circuit with each contact, and a circuit closer moving in a circular path and successively engaging the several contacts, said circuit closer having an element with which the driver engages.

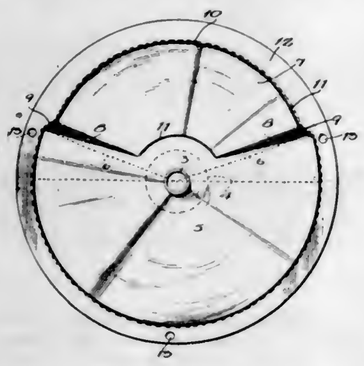
1,506,338. GAME. WILBUR F. DROWN, Washington, D. C. Filed Apr. 10, 1923. Serial No. 631,244. 5 Claims. (Cl. 46—56.)



5. A game device comprising circular indicia-bearing cards forming a circular stepped well, and a central spindle carrying hands in said well, one hand for each card and at the level of that card, the indicia being in separate sets, one for each card, and the hands separately movable.

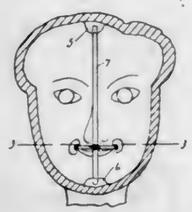
1,506,339. REFLECTOR. BENJAMIN FRANKLIN GIFT, Dunkirk, Ind. Filed Apr. 3, 1923. Serial No. 629,688. 1 Claim. (Cl. 240—41.)

A reflector adapted to be provided with a source of light and comprising a parabolic shell having its upper portion indented thereby forming a pair of opposed semi-paraboloid upper and lower surfaces with their axes angularly arranged, the receding portions of the depressed upper section being formed on smaller arcs than the corresponding portions of the lower section and located entirely above the horizontal plane passing through the axis of the lower parabolic section, the upper parabolic section being located within the circumference of the lower parabolic section, the longitudinal adjacent edges of the sections being joined by a portion which gradually decreases in width from the front to the rear where it merges into the curved rear portions of both sections,



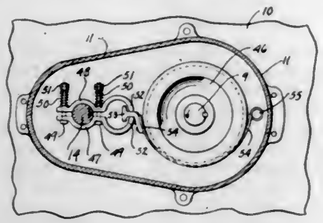
the rear end of the upper parabolic section being formed on an arc of a circle and located appreciably above a horizontal plane passing through the axis of the lower parabolic section.

1,506,340. DOLL. JAMES S. GRAHAM, San Diego, Calif. Filed Nov. 8, 1921. Serial No. 513,642. 2 Claims. (Cl. 46—40.)



1. A doll's head of the class described, including a hollow head provided with an expansible and contractible mouth portion, levers pivoted together intermediate their ends, connected to the opposite sides of said mouth portion and extending out through the back side of the head adapted to expand and contract the mouth portion.

1,506,341. MOTOR BRAKE FOR ELECTRIC HOISTS. ETHAN N. HESCOCK, Westfield, N. J., assignor to New Jersey Foundry and Machine Company, a Corporation of New Jersey. Filed May 19, 1923. Serial No. 640,156. 8 Claims. (Cl. 188—82.)



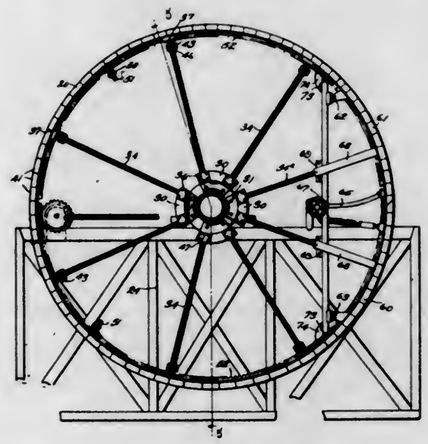
1. In a hoist mechanism the combination of a power shaft, means to operate it to raise a load, two friction brakes, one to hold the load and the other controlling the actuating member of the first friction brake.

1,506,342. METHOD OF AND APPARATUS FOR PREPARING MOLD SURFACES. MYRON F. HILL, New York, N. Y. Filed Mar. 18, 1920. Serial No. 366,955. 7 Claims. (Cl. 22—123.)



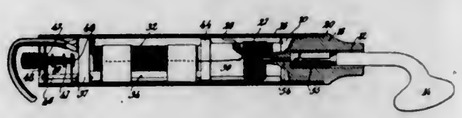
1. The method of preparing molds which consists of rolling a permeable comminuted refractory filler material onto a multiplicity of rigidly mounted studs or retaining devices to hold the same in place when inverted.

1,506,343. PRINTING DRUM. ELBRIDGE R. HOLMES, WALTER Y. ROBB, and CHARLES R HOWARD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1922. Serial No. 608,298. 6 Claims. (Cl. 242—115.)



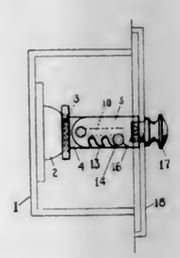
1. In a textile printing machine, a drum made in unitary sections, a supporting shaft for said drum, connections between said sections, and means to separately support each section on said shaft, each section and its supporting means being removable as a unit from said machine.

1,506,344. VIOLET-RAY GENERATOR. BENNO F. JANCKE, Brooklyn, N. Y., assignor to Eastern Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,091. 9 Claims. (Cl. 250—36.)



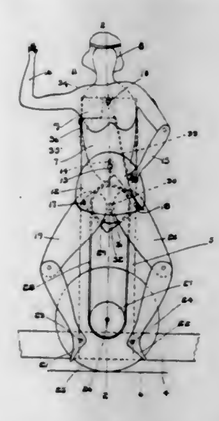
1. A violet ray generator, comprising a spool or frame, having portions of reduced diameter, coils and a condenser on said reduced portion, and a tube adapted to slip onto said spool and cover said coils and condenser, said spool having portions having a diameter corresponding to that of said tube for supporting the same.

1,506,345. MOUNTING DEVICE FOR LIGHTING FIXTURES. ANDY JANOVSKY, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 676,940. 4 Claims. (Cl. 240—85.)



1. A fixture support comprising an L shaped member having a slot forming a guide in its horizontal portion and a threaded opening in its vertical portion, a second L shaped member having a threaded opening in its vertical portion, serrations on one edge of the horizontal portion, a detent on the first named portion adapted to engage said serrations, a pin slidable in said guide, which secures the two horizontal portions of said members together.

1,506,346. TOY. BERNARD P. JOHNSON, Cincinnati, Ohio. Filed Aug. 31, 1923. Serial No. 660,349. 2 Claims. (Cl. 46—40.)

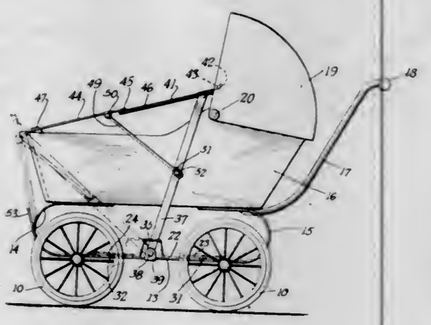


1. A dancing doll comprising a figure having vertically movable hip and breast portions, mechanism adapted to impart to both portions a rocking movement and to the hip portion a simultaneous vertical movement, and additional mechanism adapted to impart to the breast portion an independent vertical movement of greater frequency than that of the hips.

1,506,347. SAFETY BABY CARRIAGE. MICHAEL KAHNE, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,343. 7 Claims. (Cl. 280—47.)

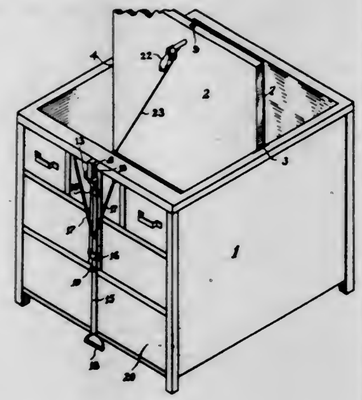
1. In combination with a baby carriage having a body and a hood pivoted thereover, of a pair of rigid plates

slidably engaged together and disposable over said body when extended, means on one of said plates engageable



with said hood whereby it is securely held, and a lock fixed in said body to engage the other plate.

1,506,348. DESK FOR CASHIERS. ISRAEL KAMIN, Toronto, Ontario, Canada. Filed Jan. 14, 1924. Serial No. 686,154. 2 Claims. (Cl. 89—36.)

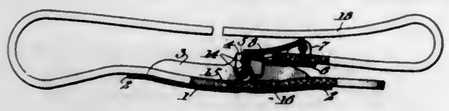


1. In a device of the class described, a bullet-proof top tiltably mounted therein, a lock adapted to secure same in its normal position, tripping means associated with said lock to actuate same upon depression, gravity means to tilt the top to a vertical position upon depression of the tripping means, a drawer situated beneath said top having locking means, and an incline adapted to divert articles precipitated off the top into the drawer.

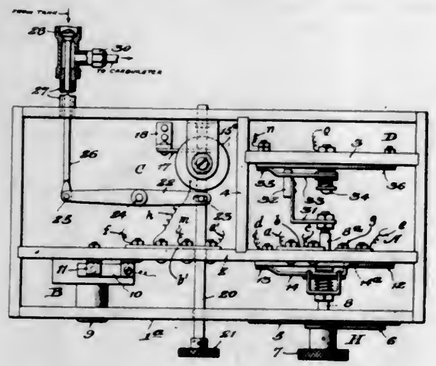
2. In a device of the class described, the combination with a bullet-proof top tiltably mounted in the desk, of a gun affixed to said top, a flexible element connected to the trigger thereof and to the desk frame whereby the gun is discharged upon said top reaching a vertical position.

1,506,349. CLAMPING BUCKLE. ALLEN H. KERNGOOD, Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Nov. 19, 1923. Serial No. 675,699. 8 Claims. (Cl. 24—191.)

1. A clamping buckle, having a face plate and rearwardly projecting opposite side flanges provided with inturned bearing members, and a lever clamping member pivotally mounted in said bearings, said side flanges having inwardly inclined lips past which the lever clamping member is snapped and thereby held in locked position.



1,506,350. ANTITHEFT DEVICE FOR AUTOMOBILES. STEPHEN M. KUKURA, Struthers, Ohio, assignor of one-half to Michael B. Chuey. Filed Aug. 1, 1921. Serial No. 489,034. 4 Claims. (Cl. 177—314.)

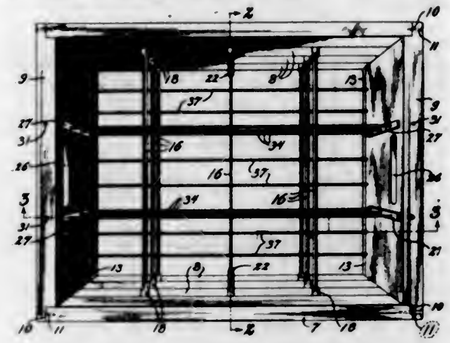


1. An anti-theft device for motor vehicles adapted to close the fuel line, lock the ignition system, and sound an alarm device; comprising, a panel member, a key controlled main switch accessible from the face of the panel, a knob and dial also exposed on the panel, a valve in the fuel line, a manually shiftable rod projecting through the panel and operatively connected with the valve, means for locking said rod including a rod engaging member and an electro-magnet adapted to be in circuit with said key controlled main switch, a rotary switch also included in circuit with said main switch and ignition line and controlled by said knob, and an alarm switch also included in circuit with the main switch and the alarm device, and said alarm switch being controlled by said knob.

1,506,351. PROCESS FOR DETERMINING THE DYE ADSORPTION OF SOILS. EDWIN C. E. LORD, Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Dec. 13, 1923. Serial No. 680,485. 1 Claim. (Cl. 23—30.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

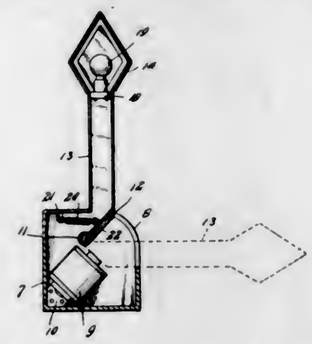
A process for determining the dye adsorption of soils for estimating their physical properties in road improvement investigations, consisting in mixing a small quantity of soil with sufficient dye solution to cause coagulation of the soil, the solution being thereby decolorized, transferring the whole to a filtering tube as described, where the decolorized dye solution is drained through the tube into a graduate, in passing further quantities of dye solution through the soil in said tube until the soil becomes saturated with dye and the filtrate in the tube shows a slight coloration, and in finally determining the quantity of dye adsorbed from the volume of the decolorized filtrate collected in the graduate tube.

1,506,352. BOTTLE CRATE. MICHAEL ZIMMERMAN, Philadelphia, Pa. Filed July 25, 1922. Serial No. 577,352. 8 Claims. (Cl. 217—22.)



1. A structure of the class described including members provided with spaced apertures and having angular bent ends adapted to pass into recesses formed in the opposite corresponding walls of the structure, members having the ends passing through the apertures and into sockets formed in the walls, and members intersecting said second named members and anchored to the other opposite corresponding walls of the structure.

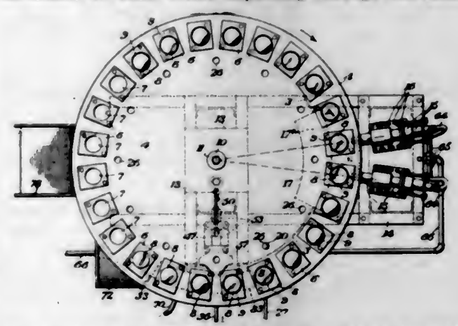
1,506,353. VEHICLE DIRECTION INDICATOR. VELETTA ADAMSON, Pocatello, Idaho. Filed Apr. 24, 1923. Serial No. 634,235. 1 Claim. (Cl. 177—329.)



A vehicle direction indicator including a casing of rectangular section having a plurality of corners and formed with an opening in one corner thereof, an electromagnet mounted diagonally in said casing, a signal arm pivotally mounted in said casing adjacent the end of the electromagnet and provided with a bevelled end portion adjacent the pivot, said arm extending through the opening in the casing, means for normally holding the arm in an upright position, and an armature mounted on the bevelled end of the signal member adapted to be attracted by said energized electromagnet for moving said arm from the vertical position about its pivot to a horizontal signalling position.

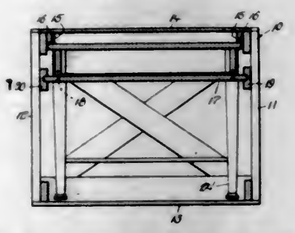
1,506,354. SHRAPNEL-SALVAGING APPARATUS AND METHOD. GUSTAVE ALLISON, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed May 2, 1923. Serial No. 636,105. 26 Claims. (Cl. 86—1.)

23. In an apparatus of the class set forth, the combination of a frame, an upright post supported in the frame, a turntable rotatably held to the post and provided with an annular series of equally spaced shell-body receiving apertures and an annular series of equally spaced latch-bolt receiving apertures, an upstanding latch bolt reciprocably supported on the frame under the turntable adapted to engage in the bolt receiving apertures, a spring normally urging the bolt upwardly, a treadle pivotally held to the frame and operatively connected with the latch bolt for retracting said latch bolt, a power-operated hammer mounted on the frame below the level of the turntable and arranged radially of the table with its impact end adjacent the outer edge of the path of movement of shell bodies depending through the shell-



body receiving apertures, said latch bolt being arranged to lock the table with a shell body in line with said hammer upon engagement of the latch bolt in each successive latch-bolt aperture, said table being adapted to support shell-bodies inserted head end down in the shell-body receiving apertures by engagement of the retaining bands on the shell bodies with the upper face of the table, and an anvil mounted on the frame under the turntable between the post and hammer and having its outer edge curved on an arc concentric with the path of movement of shell bodies on the turntable and adapted to be engaged by the side walls of such shell bodies as they are carried between the anvil and hammer.

1,506,355. PACKING CRATE. GORDON L. ASTON, Chicago, Ill. Filed Oct. 31, 1923. Serial No. 671,969. 9 Claims. (Cl. 217—36.)

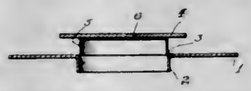


1. Means for packing an article of furniture in the nature of a table or bench comprising a carrier member detachably fastened to the bottom of the article and projecting at both of its ends beyond the adjacent portions of the article, and a crate for housing the article and having each of two opposed walls severally equipped with a support having a groove for slidably receiving an end of said carrier member.

1,506,356. MEANS FOR UNITING TWO METAL PARTS. JOSEPH BOTT, Rochester, N. Y., assignor to Bastian Bros. Co., Rochester, N. Y., a Corporation of New York. Filed Jan. 3, 1922. Serial No. 526,838. 1 Claim. (Cl. 40—20.)

The combination with a name plate, of a cup shaped member having its bottom secured to the name plate within the edges of the latter, the annular wall of the

cup shaped member being throughout its height substantially perpendicular to the rear face of the name plate and lying within the edges of the name plate, so that the name plate projects beyond the wall to provide an abutting surface, and a sheet metal part to which the name plate is secured having an opening and also a flat wall about the opening with which the projecting portion of the name plate engages, the opening having projected about it an annular flange, the inner wall of which flares slightly adjacent the flat surface on the sheet metal member and the inner wall of the flange beyond said flaring portion being perpendicular to the flat surface of the sheet metal member about the opening and being engaged by the external surface of the annular flange of the cup shaped member, the diameter of the internal surface of the annular flange being slightly less than the diameter of the external surface of the cup shaped member and



the diameter of the flaring portion of the internal wall of the flange on the sheet metal member being slightly greater than the external diameter of the flange of the cup shaped member, and the flanges on the sheet metal member and the cup shaped member, both being resilient so that when the flange of the cup shaped member is introduced into the opening of the sheet metal member its edge is compressed by the flaring portion of said opening in order that the flange of the cup shaped member may enter the flange of the sheet metal member and, when the name plate about the cup shaped member abuts the flat portion about the opening in the sheet metal member, the flange of the cup shaped member will lie in the flange of the sheet metal member thus slightly expanding the latter and causing one flange to be in a condition of compression and the other in a condition of expansion substantially throughout both flanges.

1,506,357. MEANS FOR UNITING TWO PARTS. JOSEPH BOTT and CHARLES F. MITCHEL, Rochester, N. Y., assignors to Bastian Bros. Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 679,030. 5 Claims. (Cl. 40—20.)



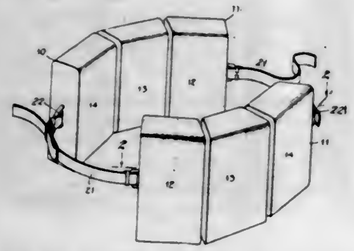
1. In combination with two members to be united, one of which is provided with an opening with a cylindrical wall, and the other of which has a cylindrical flange fitted in said opening, spring arms extending through said flange from a point within the latter to cooperate with the cylindrical wall in order to have binding engagement with the latter.

1,506,358. SENDING ARRANGEMENT FOR WIRELESS TELEGRAPHY. OTTO v. BRONK, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 498,427. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.) 4 Claims. (Cl. 250—17.)



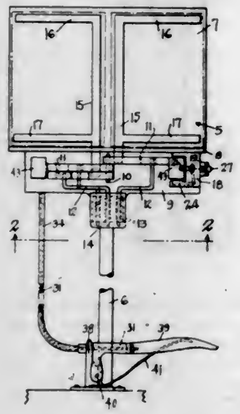
1. The method of controlling the radiation from a plurality of separated radiators which consists in radiating currents of low intensity having a frequency difference equal to the frequency to be transmitted, receiving said currents at each of the radiators, and utilizing the received currents to control the radiation from the radiators.

1,506,359. SWIMMING BELT. SIGMUND BOWER, Brooklyn, N. Y. Filed Aug. 8, 1923. Serial No. 656,380. 6 Claims. (Cl. 9—17.)



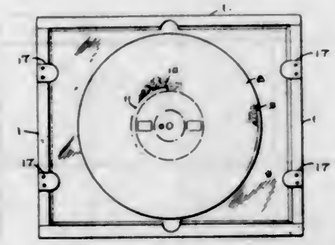
1. A belt of the class described comprising a plurality of buoyant bodies having apertures extending therethrough, elastic bands mounted in the apertures of said bodies and the ends of which project therethrough, means for securing the separate ends of said bands and for coupling the same together, strap members secured to the protruding ends of said bands, and one of said strap members being provided with a strap attaching and retaining device, the apertures through the outer of said buoyant bodies converging outwardly.

1,506,360. MUSIC-LEAF TURNER. REMO BRIASCO, New York, N. Y. Filed Jan. 19, 1924. Serial No. 687,170. 2 Claims. (Cl. 84—498.)



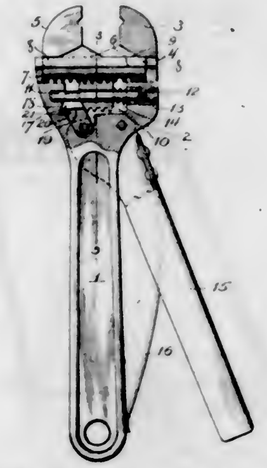
1. A sheet turning device comprising a pintle, a plurality of turning elements mounted on said pintle longitudinally thereof and in pivotal relation thereto, a housing, a plurality of levers pivotally mounted in said housing and individually associated with said turning elements to operate them, individual springs for operating said levers, each of said turning elements having a flattened portion at one end thereof, and means for securing said turning elements against operation by said levers and for releasing said turning elements for operation by said levers comprising a lever having fingers for engaging the flattened portions of some of said turning elements, a lever for engaging the flattened portions when the lever fingers are withdrawn, and means for operating said levers simultaneously.

1,506,361. DISK PRINTING. FRANCIS J. BULASK, Toledo, Ohio, assignor to The Pictures Development Co., Toledo, Ohio, a Corporation of Ohio. Filed July 14, 1920. Serial No. 396,046. 3 Claims. (Cl. 95—73.)



1. A printing apparatus including a transparent base, a centering pin rising therefrom, an angular position determining guide pin also rising therefrom, said pins providing means for assembly of a positive transparency and a light sensitive means thereon, and a holder for yieldably applying pressure to hold the pin assembled transparency and sensitive means firmly against the base for light ray printing on said sensitive means.

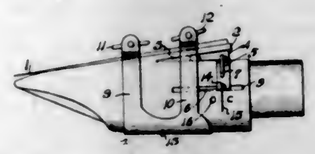
1,506,362. WRENCH. ALVIN O. CARMAN, Potterville, Mich. Filed Mar. 14, 1923. Serial No. 625,033. 2 Claims. (Cl. 81—87.)



1. In a wrench, the combination of a frame, a fixed jaw thereon, a movable jaw slidably mounted on the frame, yieldable means tending constantly to move said jaw to open position, a slidably mounted member operatively connected with the movable jaw to move the same to closed position, a lever handle fulcrumed on the frame adjacent the fixed jaw, and a wedge-shaped dog pivoted at one end eccentrically to the lever handle and having its opposite end disposed between and slidably engaged with a wall of the frame and the adjacent opposed end of the slidable member.

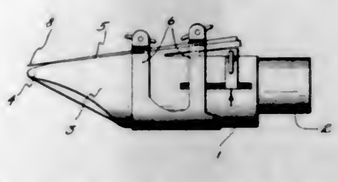
1,506,363. CLARINET AND SAXOPHONE MOUTHPIECE. HIPPOLYTE MARIUS CHIRON and FREDERIC PARME, New York, N. Y. Filed Nov. 23, 1922. Serial No. 602,879. Renewed Apr. 28, 1924. 3 Claims. (Cl. 84—383.)

1. In combination with a saxophone or clarinet mouthpiece having a flat lay surface thereon, a reed on said lay surface, a wedge under a portion of the mouthpiece beneath said lay surface and adapted to tilt said reed,



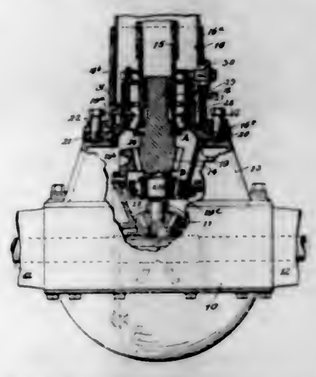
means for securing said wedge in place, and means for sliding said wedge.

1,506,364. REED FOR SAXOPHONE OR CLARINET MOUTHPIECES. HIPPOLYTE MARIUS CHIRON and FREDERIC PARME, New York, N. Y. Filed Apr. 11, 1923. Serial No. 631,262. 1 Claim. (Cl. 84—383.)



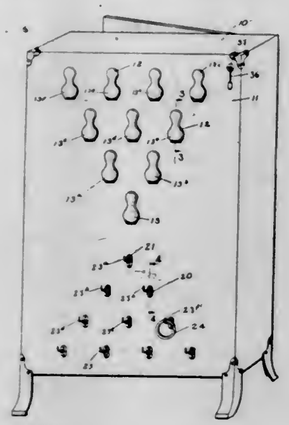
A bamboo reed for a mouthpiece of a saxophone or clarinet comprising a rectangular member thickest at one end and tapering longitudinally toward the opposite end, a curved top face on said reed, a plurality of grooves extending longitudinally and parallel to each other on the curved face of said reed, said grooves being aligned with the longitudinal edges of the reed, the grooves and the ridges formed between said grooves providing an undulating surface, an additional plurality of grooves of similar conformation extending angularly transversely on the curved surface of the reed, said last-named grooves communicating with the longitudinal grooves and dividing the longitudinal ridges into ridges of shorter length.

1,506,365. REAR-AXLE CONSTRUCTION. DAVID F. DOMIZI, Cleveland, Ohio. Filed Nov. 27, 1922. Serial No. 603,491. 10 Claims. (Cl. 74—99.)



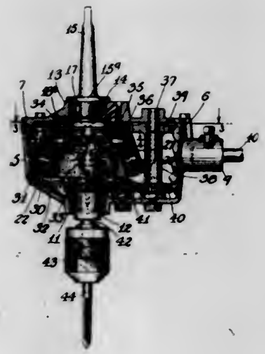
1. In a rear axle, the combination with a differential, of a driving pinion, a pair of roller bearings on opposite sides of the pinion for supporting it, a supporting member in which one of the bearings is mounted, said bearing being adjustable axially of the pinion and having an outer ring capable of axial movement but interlocked with said member against rotative movement.

1,506,366. GAME. MAX A. DREWS, Milwaukee, Wis. Filed May 6, 1921. Serial No. 467,398. 10 Claims. (Cl. 46—59.)



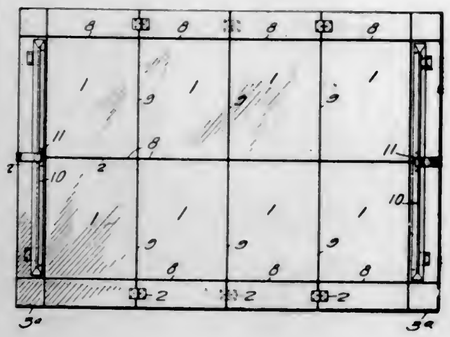
1. A game of the class described comprising a frame member, a plurality of weight-actuated targets and a plurality of signals pivotally mounted on said member, said targets and signals being each arranged to simulate a set of bowling pins, means connecting the respective targets with the signals, and additional means connecting certain targets with certain groups of signals whereby manipulation of any one of said targets results in manipulation of the signal or signals connected therewith.

1,506,367. TAPPING ATTACHMENT. GEORGE W. EMRICK, Brooklyn, N. Y., assignor to Eastern Tube and Tool Company, a Corporation of New York. Filed June 23, 1922. Serial No. 570,466. 12 Claims. (Cl. 74—59.)



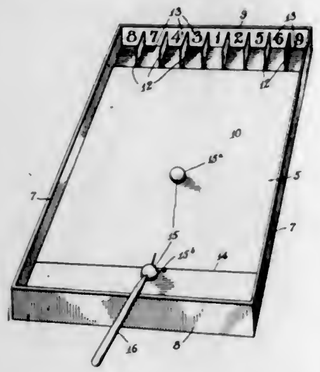
1. A device of the class described comprising two rotatable conical members, one of said members being located within the other, means for rotating said members in opposite directions, a floating clutch mounted between the conical faces of said members and capable of movement toward and from the conical face of either member, and a universal mounting for said clutch to facilitate the centering thereof in connection with the separate members.

1,506,368. CUTTING TABLE. CLARENCE FANCHER, Hudson Falls, N. Y. Filed Feb. 26, 1923. Serial No. 621,377. 7 Claims. (Cl. 164—79.)



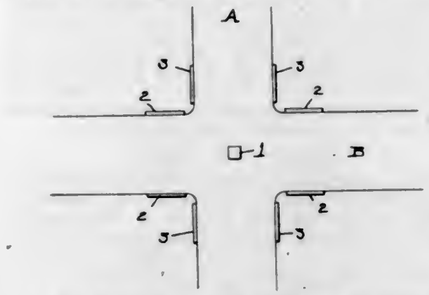
1. A device of the type described, comprising a sectional table whose sections or leaves are hingedly or foldably assembled together, with intermediate lines of spaces between said leaves or sections extending transversely and longitudinally throughout the same whereby a cutting member may be inserted within said spaces and drawn along the same.

1,506,369. GAME DEVICE. WILLIAM J. GUINAN, Jersey City, N. J. Filed Feb. 15, 1922. Serial No. 536,677. 1 Claim. (Cl. 46—61.)



A game device of the class described comprising an elongated game board of box-shaped form and composed of a bottom and side and end walls, the bottom of the game board adjacent to the rear end thereof being slightly depressed transversely of the game board, partition members mounted in said depressed portion and in connection with the rear wall to subdivide the rear end portion of the board into a plurality of stalls, each of said stalls being designated, and the designations of greatest value being located at the opposite sides of the game board, the front end portion of the game board being provided with a transverse starting line and with a short longitudinal line registering therewith, and located centrally between the side walls of the game board, two balls, one of which is adapted to be placed centrally of the game board and the other of which is adapted to be placed where the transverse line and longitudinal line intersect, and a cue for advancing the last named ball to strike the first named ball to advance it into one of the designated stalls.

1,506,370. TRAFFIC-SIGNAL DEVICE. ABE GUTTENTAG, Cleveland, Ohio. Filed July 24, 1920. Serial No. 398,768. 5 Claims. (Cl. 39—1.)

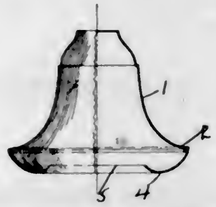


1. In a device of the class described, the combination of a main traffic regulator, two auxiliary traffic regulators positioned at each corner of intersecting streets, means for operating said main traffic regulator for causing the operation of either of said auxiliary traffic regulators positioned at each corner.

1,506,371. BITUMINOUS COMPOSITION. LESTER KIRSCHBRAUN, Evanston, Ill. Original application filed May 8, 1915, Serial No. 26,813. Divided and this application filed Dec. 2, 1918. Serial No. 264,903. 14 Claims. (Cl. 134—1.)

1. A bituminous stock capable of being formed into a relatively thin sheet in an aqueous vehicle and comprising an emulsified matrix formed of a waterproof adhesive bituminous binder and an emulsifying agent and water, the water being in the external phase, and comminuted fibre intimately mixed with said matrix.

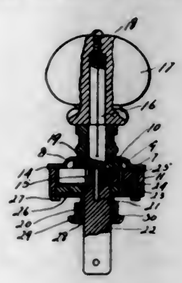
1,506,372. SOCKET COVER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 25, 1920. Serial No. 419,502. 1 Claim. (Cl. 173—362.)



A socket cover formed of two mating metal parts, adapted to inclose an electric light socket, the upper part having its lower edge terminating in an inwardly and downwardly extending flange, the lower member having at its upper edge an inturned flange extending from its periphery, the flange on the upper portion being designed to fit within the opening formed by the flange on the lower portion and by the application of pressure to project through said opening and snap into position below the flange of the lower portion.

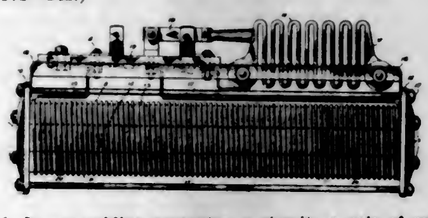
1,506,373. TUNING PEG FOR MUSICAL INSTRUMENTS. CARL KEEMP, Philadelphia, Pa., assignor to H. A. Weymann & Son, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 647,050, filed June 22, 1923. This application filed July 3, 1924. Serial No. 724,052. 2 Claims. (Cl. 84—304.)

1. The combination with a head piece of a stringed musical instrument having a recess in the rear thereof with a hole through the front and communicating with the recess and further having notches disposed about said recess, of a tuning peg structure including an outer plate having a central cupped up portion, a ring gear fixed to said plate, said ring gear being of smaller diameter than the said plate so as to leaves a flange for engagement with the rear face of the head piece when the tuning peg structure is inserted in the recess, enlargements on said ring gear for registration with the notches about the recess in the head piece, a key gear concentric with the ring gear, an outwardly projecting shank passing through the outer plate and adapted to revolve the key gear, a washer within the cupped up portion of the outer plate



between the latter and the key gear, a key mounted on the shank, a washer located between said key and said outer plate, a loose intermediate gear meshing with the ring gear and the key gear and adapted to travel about the space between said gears during the revolving of the key gear, a trunnion projecting from the key gear at the axial center thereof, a stem journalled on said trunnion in endwise alignment with the key gear shank, a disc fixed to the inner end of the stem, a pin carried by said disc and fitted in the loose intermediate gear to travel therewith and thereby rotate the stem at a reduced speed relative to the key, and a plate covering said disc and secured to the ring gear.

1,506,374. STABILIZER. JOHN C. LINCOLN, Cleveland, Ohio, assignor to The Citizens Savings and Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 29, 1919. Serial No. 320,655. 5 Claims. (Cl. 171—242.)

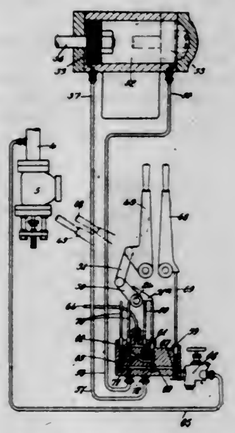


1. In arc welding apparatus, a circuit; a pair of coils forming parts of said circuit; a common core for said coils; each coil being made of one layer of bare copper wire, the said coils being insulated one from the other and from the core; means for connecting the coils in series or in parallel; and two plates materially greater in area than the cross-section of the core and bolted respectively to the ends of the latter, whereby the reluctance of the magnetic lines in escaping into the air is decreased.

1,506,375. CONTROL AND REVERSING GEAR OF INTERNAL-COMBUSTION ENGINES. JAMES McKECHNIE, Westminster, London, England, assignor to Vickers Limited, Westminster, England. Filed May 15, 1922. Serial No. 561,191. 10 Claims. (Cl. 60—16.)

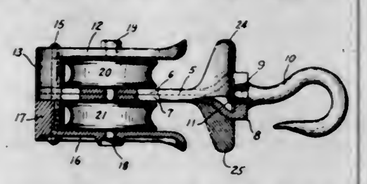
1. In control and reversing gear for internal combustion engines, air starting mechanism, a lever controlling the air starting operation, reversing mechanism, a servo motor actuating the said reversing mechanism, a lever con-

trolling the said reversing servo motor, interlocking mechanism between the said servo motor lever and the air starting lever and further interlocking mechanism between the servo motor and the air starting lever adapted to pre-



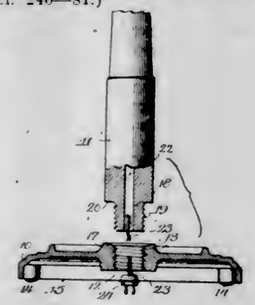
vent the use of the said air starting lever until the reversing movement has been completed by the servo motor in accordance with the direction given by the reversing lever.

1,506,376. DOUBLE SNATCH BLOCK. DONALD C. McMILLAN, Brooklyn, N. Y. Filed Apr. 11, 1922. Serial No. 551,528. 2 Claims. (Cl. 254—193.)



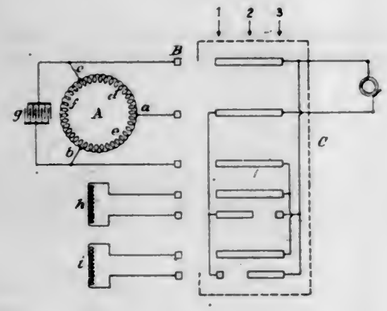
1. A double snatch block having a centrally disposed member provided with a longitudinal recess, arms secured to said central member, sheaves between said arms and said centrally disposed member and a supporting means and means extending through said centrally disposed member to which said supporting means is secured.

1,506,377. LAMP AND BASE. JACOB MANDEL, Chicago, Ill. Filed Jan. 25, 1924. Serial No. 688,432. 1 Claim. (Cl. 240—81.)



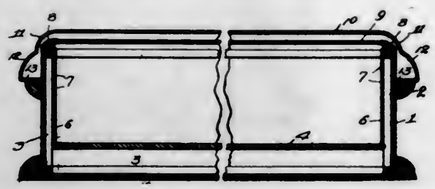
A lamp including a base having a threaded opening therein, the portion of the upper surface of the base encompassing the opening being inclined downwardly and inwardly towards the opening, a pedestal, the lower extremity of the pedestal being reduced to form a flat substantially horizontal surface encompassing said reduced portion, the said reduced portion adapted to enter the opening in the base, the threads in the pedestal engaging the threads in the base, the co-operating threads serving to force the said flat and inclined surfaces into contact, a light cord or wire connected with the pedestal and extending from the end of the pedestal, and a plug connected with the conductor, said plug being adapted to be passed through the opening in the base when the pedestal is connected and disconnected from the base.

1,506,378. OPERATING ALTERNATING-CURRENT APPARATUS IN WHICH CAPACITY IS DESIRED. RALPH D. MERSHON, New York, N. Y. Filed Dec. 6, 1919. Serial No. 343,044. 4 Claims. (Cl. 172—233.)



3. The combination with an alternating current apparatus having phase-windinga, of a condenser connected with a phase-winding thereof, a plurality of inductive reactances connected with another phase-winding, and means for transferring inductive reactances in succession from the latter phase-winding to the former.

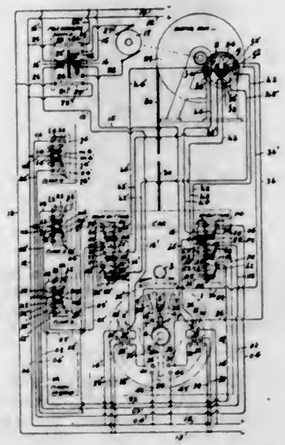
1,506,379. VAULT CASKET. JOHN E. MOORE, Portsmouth, Va. Filed Sept. 8, 1923. Serial No. 661,651. 5 Claims. (Cl. 27—6.)



1. In a vault casket the combination of a lid, and a casket body extending into the lid, with portions of the lid extending down a considerable distance on the sides of the casket body, and a supporting ledge extending about the casket body, the depending portions of the lid terminating in inturned flanges resting flat upon the ledge and engaging the sides of the body, whereby the interior of the casket body is sealed against moisture or water entering the same even though the casket body is not resting in a perfect horizontal position.

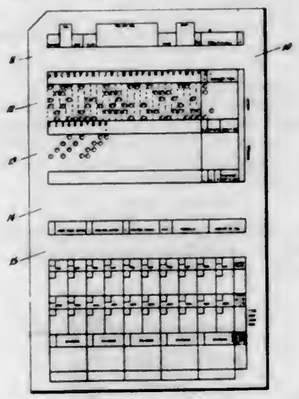
1,506,380. CONTROL FOR ELECTRIC ELEVATORS. HUMPHREY F. PARKER, Washington, D. C. Filed Apr. 25, 1921, Serial No. 464,319. Renewed July 3, 1924. 11 Claims. (Cl. 187—29.)

5. The combination with a guided movable body of an electrical controlling circuit, a switch on said body connected in said circuit, means for manually closing said switch to set the body in motion, means for holding said switch closed to maintain the body in motion, a secondary electrical circuit for releasing said switch holding means, a selective manual circuit closing means on said body included in said secondary circuit, a manual circuit closing means located at each fixed stopping point for said body also included in said secondary circuit, and an automatic circuit closing means included in said second-



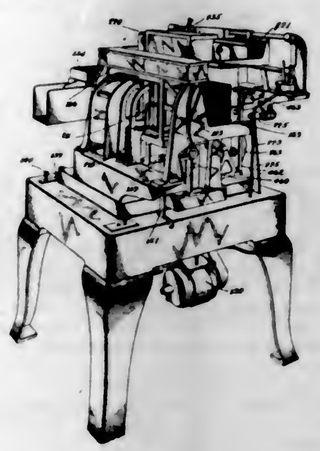
ary circuit, said automatic circuit closing means being timed to operate synchronously with the arrival of said body at each stopping point therefor, one or more automatic stops of said body at predetermined stopping points being obtained by the selective actuation of the manual secondary circuit closing means on said body or by the actuation of the manual secondary circuit closing means located at said predetermined stopping points.

1,506,381. METHOD OF AND APPARATUS FOR PERFORATING RECORD SHEETS. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Filed June 7, 1922. Serial No. 566,447. 22 Claims. (Cl. 164—112.)



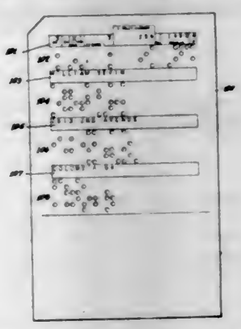
1. The method of effecting any one of a number of different records representing different characters including the letters of the alphabet, which comprises perforating a record sheet in one or more hole spaces in a record field having the theoretical minimum number of hole spaces to accommodate any of the various distinctive records.

1,506,382. RECORD SHEET AND APPARATUS CONTROLLED THEREBY. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Filed June 7, 1922. Serial No. 566,448. 90 Claims. (Cl. 101—19.)



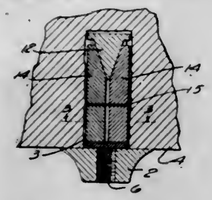
31. In a card control machine, in combination, with feeding devices for feeding controlling perforated records and blank sheets therethrough, means for reading the perforated records, means for transferring the readings thus obtained to the blank sheets and means for placing said transferred records upon the blank sheets in two ways, first, by printing upon the sheets and second, by perforating the same.

1,506,383. PERFORATION-READING INSTRUMENTALITIES. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Original application filed June 7, 1922, Serial No. 566,448. Divided and this application filed June 7, 1922. Serial No. 566,449. 28 Claims. (Cl. 164—114.)



1. A machine of the class described comprising in combination, means for effecting a plurality of distinctive records representing different characters including the letters of the alphabet, a group of perforation-sensing elements operable in various combinations, the number of elements in said group being the theoretical minimum number required to effect a number of combinations at least as great as the number of distinctive records, and means controlled by different combinations of said elements for selectively determining the various records to be effected by said first named means.

1,506,384. EXPANSION BOLT AND METHOD. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed Oct. 4, 1922. Serial No. 592,377. 12 Claims. (Cl. 72—105.)

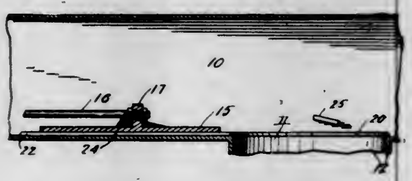


1. The method of securing a fastening to a wall, ceiling or other support consisting in inserting the fastening in the hole in the wall, ceiling or other support, pressing a compressible substance located within the fastening against an expanding member located in the fastening to force portions of the compressible substance radially through openings in the fastening by both compression and wedging action and into binding contact with the walls of the hole, and then securing the object to be supported to the fastening so held in the hole.

1,506,385. PROCESS OF MAKING FLOTATION OIL. FREDERICK H. RHODES, Philadelphia, Pa., assignor to The Barrett Company, a Corporation of New Jersey. Filed Dec. 2, 1918. Serial No. 264,983. 1 Claim. (Cl. 196—26.)

The herein described process, which comprises the removal, by extraction with an acid, of pyridine bases from a hydrocarbon oil for flotation purposes prepared from coal tar distillates, and then neutralizing the acid in the oil by agitating it with a solution of the alkali salts of tar acids.

1,506,386. DAMPER. BROR MAX SCHAUMAN, Atlantic Highlands, N. J., assignor to an Association comprising Grandin V. Johnson, Otto Gantschy, and Harry W. Johnson, all of Highlands, N. J.; William Koch, Long Branch, N. J.; and Bror Max Schauman, Atlantic Highlands, N. J., one-fifth to each member. Filed Dec. 30, 1921. Serial No. 525,889. 10 Claims. (Cl. 126—285.)

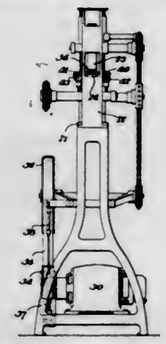


1. In combination with a flue having an opening, a slide damper for closing said opening, said flue having a raised sharp edge surrounding said opening to form a damper seat, the operation of said damper on said seat serving to clean the seat while the seat cleans said damper.

1,506,387. METHOD AND MEANS OF BEVELING. FREDERICK C. SIMMONS, Highland Park, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,461. 10 Claims. (Cl. 69—17.)

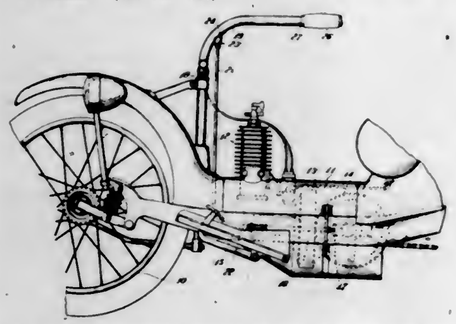
1. The method of beveling which consists in moving a strip of material so that a corner of its side margin shall project between two longitudinally extending knife edges and encounter a shearing blade lying transverse its line of travel and substantially in the plane of said longitudinally extending knife edges.

10. In a beveling device, the combination of means for moving a strip of material, means forming a guide-channel for said strip including a bracket element and removable elements secured thereto, having knife-edge



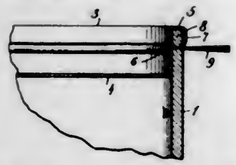
margins spaced apart for the projection of a corner of the strip between the same, and a cutting device having a shearing edge in substantially the same plane as said knife-edge margins.

1,506,388. CONTROLLING DEVICE FOR MOTOR CYCLES. JOSEPH ALLAN SMITH, Syracuse, N. Y., assignor to Ner-a-Car Corporation, a Corporation of New York. Filed June 27, 1921. Serial No. 480,775. 8 Claims. (Cl. 74—82.)



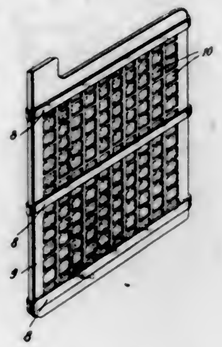
1. In a motor driven vehicle having co-engageable friction transmission members, mechanism for controlling the engagement of said members one with the other comprising a hand grip rotatably mounted on a part of the vehicle, a flexible connection between one of said friction members and said hand grip, a spring, and means whereby the spring is stressed when the hand grip is turned to bring said friction member into contact with the other friction member.

1,506,389. CONTAINER. VERNON C. SNYDER, Mountain Lakes, N. J. Filed Sept. 22, 1921. Serial No. 502,521. 6 Claims. (Cl. 229—5.6.)



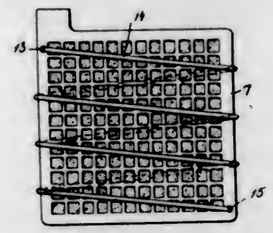
1. A container of the type shown having a metal top crimped to the wall thereof and means provided in said top whereby it may be removed, said top serving as a removable tight cover for the container.

1,506,390. BATTERY. NORMAN DEXTER STURGES, Bellerose, N. Y. Filed Nov. 29, 1922. Serial No. 603,895. 7 Claims. (Cl. 204—29.)



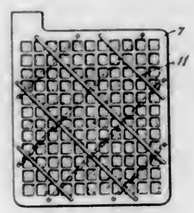
6. An insulating band for storage battery plates consisting of an endless transversely corrugated strip of celluloid adapted to embrace a single plate.

1,506,391. BATTERY. NORMAN DEXTER STURGES, Bellerose, N. Y. Filed Dec. 13, 1922. Serial No. 606,610. 1 Claim. (Cl. 204—29.)



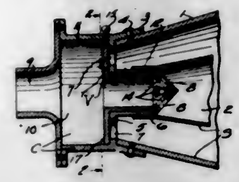
A plate for storage batteries carrying active material and having a strip of celluloid wound about the plate to serve as sole separating means when the plate is used with other plates in a storage battery.

1,506,392. BATTERY. NORMAN DEXTER STURGES, Bellerose, N. Y. Filed Dec. 15, 1922. Serial No. 607,039. 1 Claim. (Cl. 204—29.)



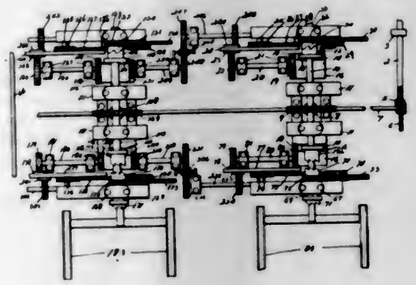
A plate for storage batteries carrying active material and provided on its face with individual strips of celluloid, the ends of which are secured to the plate to serve as the sole separating means when the plate is used with other plates in a storage battery.

1,506,393. SOUND AMPLIFIER. ADOLPH A. THOMAS, New York, N. Y. Original application filed Nov. 16, 1922, Serial No. 601,237. Divided and this application filed Nov. 19, 1923. Serial No. 675,567. 13 Claims. (Cl. 181—27.)



5. A sound amplifier comprising a plurality of nested sound chambers, and means at the inner ends of said nested chambers for controlling the relative proportion of said waves passing simultaneously through said chambers.

1,506,394. APPARATUS TO MECHANICALLY HARNESS, STORE, AND TRANSMIT POWER. JOHN TYDINGS, Philadelphia, Pa. Filed Nov. 15, 1921. Serial No. 515,329. 7 Claims. (Cl. 185—40.)

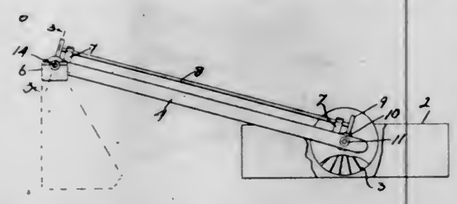


1. In an apparatus of the class described, the combination of two independent spring arbors, a spring drum mounted to revolve about each of said arbors, a spring connected with each of said arbors and each drum, means to revolve either of said drums independently for winding the spring thereof, means to prevent retrograde movement of said drum, means to hold each arbor in a stationary position, means to manually actuate one of the arbor holding means and other means to automatically actuate the other arbor holding means so timed as to release the last named arbor holding means when the spring connected with the arbor with which the first named arbor holding means coacts has spent its power.

1,506,395. CURRENT AND TIDAL-CURRENT MOTOR. JOHN TYDINGS, Smithville Flats, N. Y. Original application filed Nov. 15, 1921, Serial No. 515,329. Divided and this application filed Feb. 16, 1922. Serial No. 536,908. 2 Claims. (Cl. 170—100.)

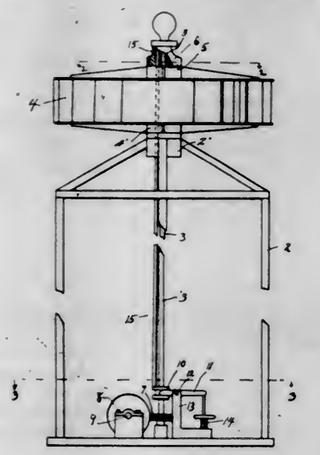
1. In a device of the character stated, a current motor for deriving power from the current of a tidal stream including pontoons, a paddle wheel having radial blades located between said pontoons, a shaft on which said paddle wheel is mounted journalled in suitable bearings on said pontoons, a worm on each end of said shaft, bearings located at a distance from said pontoons, said bearings having bosses thereon, reach rods arranged in pairs journalled on said bosses and pivotally connected with the pontoons, bearings supported by said reach

rods, shafts journalled in the bearings on said reach rods each having a worm gear at one end to mesh with the worms on the paddle wheel shaft, gears on the opposite ends of said shafts, a shaft mounted in the first named bearings, worm gears mounted on said shaft to mesh with the last named worms, gears having pawl and



ratchet mechanisms between them and the worm gear whereby one of said gears will be rotated when the worm gear is revolved in one direction and the other of said gears rotated when the worm gear is revolved in the opposite direction, and means including ratchets and pawls to constantly rotate a shaft in one direction.

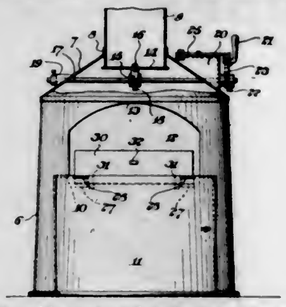
1,506,396. WIND MOTOR. JOHN TYDINGS, Smithville Flats, N. Y. Original application filed Nov. 15, 1921, Serial No. 515,329. Divided and this application filed Feb. 16, 1922. Serial No. 536,909. 2 Claims. (Cl. 170—36.)



1. A wind motor for the purpose stated including a frame, a vertical shaft journalled in said frame, a wind wheel loose on said shaft and provided with a clutch member, a complementary clutch member slidably mounted on said shaft and arranged to revolve therewith, said complementary clutch member coacting with the first mentioned clutch member, a rod passing through a portion of the shaft and connected with the complementary clutch member, and means to move said rod longitudinally to disengage the complementary clutch member from its coacting clutch member.

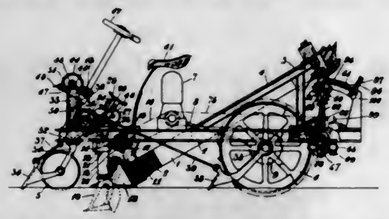
1,506,397. ASH DISPOSAL. JOHN H. WEAVER, Philadelphia, Pa. Filed Dec. 7, 1920. Serial No. 428,869. 3 Claims. (Cl. 83—60.)

1. In an ash disposal device, the combination of a chamber forming structure, having an opening in its side wall extending from near the bottom to near the top of said structure, the upper part of said opening having a smaller horizontal dimension than the lower part of said



opening, a movable closure for the lower larger opening, and regulatable means for connecting the interior of the structure with a flue.

1,506,398. BEET HARVESTER. OTTO GOTTFRIED WELLTON, Malmo, Sweden. Filed Apr. 8, 1922. Serial No. 550,599. 8 Claims. (Cl. 55—108.)



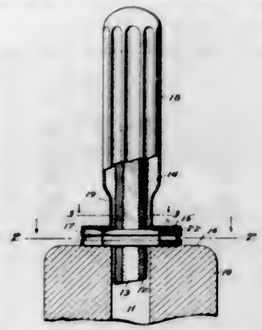
1. In a beet harvester, the combination of members operating in the soil for loosening the beets, means adapted to grip the tops of the beets and pull the beets out of the soil and feed the beets to a nipping device, and a nipping device comprising a knife, two arms capable of swinging towards and away from said knife, and gripping members on said arms, said gripping members being adapted to move towards and away from one another in such manner that when said arms swing away from said knife said members are at a comparatively large distance from one another and can move past a beet, and that when said arms swing towards said knife said gripping members are moved towards one another so as to grip a beet and move the same towards said knife.

5. In a beet harvester, the combination of members operating in the soil for loosening the beets, means adapted to grip the tops of the beets and pull the beets out of the soil and feed the beets to a nipping device, a nipping device comprising a knife, a frame journalled so as to swing in directions towards and away from said knife, two parallel shafts journalled in said frame transversely to the axis of rotation of the same, two arms secured to said shafts so as to be capable of swinging towards and away from one another, and gripping members pivotally secured to said arms so as to turn around axes in substantially the longitudinal directions of said arms, means for guiding said gripping members towards and away from one another, and curved guide rails located outside the path of movement of said gripping members and adapted to guide the beet held by said gripping members during the swinging movement of said members towards said knife.

1,506,399. DUST CAP. JEWELL WILLIAMS, Keyport, N. J., assignor to Inglis M. Uppercu, New York, N. Y. Filed Dec. 31, 1921, Serial No. 526,351. Renewed July 15, 1924. 5 Claims. (Cl. 152—12.)

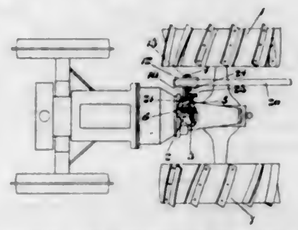
1. In a device of the class described, the combination of a threaded stem provided with a flat side, a clamping

nut engaging the threads on the stem, said nut provided with an element of a snap fastener, a cap telescoping the end of the stem provided with a reduced and flattened waist portion for engaging said flat side of the stem and also provided with a nut housing having means for en-



gaging the nut to prevent relative rotary movement between the nut and cap and also having an element of a snap fastener coacting with the corresponding element on the nut to resist accidental removal of the cap from the stem.

1,506,400. TRANSMISSION APPLIANCE. HOWE A. WYNNE, Hartville, Mo. Filed Oct. 18, 1920. Serial No. 417,575. 11 Claims. (Cl. 74—7.)



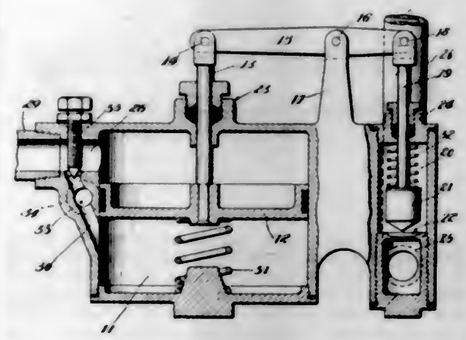
1. In a tractor, the combination with the transmission case, and the transmission drive shaft of the tractor within the transmission case, of a second shaft supported by the tractor driven from said transmission shaft and extending outwardly through the transmission case, a clutch member attached to the outer end of said second shaft, a transmission pulley supported independently of said second shaft between said clutch member and the transmission case, a clutch member in connection with said transmission pulley, means supported between said transmission pulley and the transmission case for moving one of said clutch members into and out of engagement with the other whereby said pulley may be operated or left in an inoperative condition when said second shaft is rotating as desired, and means for preventing accidental engagement of said clutch member.

1,506,401. TOOTHBRUSH. JOHN HARRY YOUNG, Norbury, London, England. Filed Dec. 4, 1922. Serial No. 604,659. 1 Claim. (Cl. 132—84.)



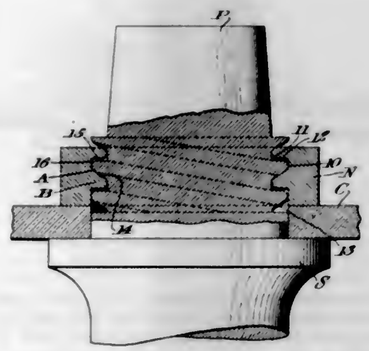
A tooth brush comprising a narrow handle part with an enlargement at the outer end, a mirror secured in said enlargement, and a perforated lug projecting beyond said enlargement for suspending the handle part with the mirror face outward.

1,506,402. AUTOMATIC FUEL CONTROL FOR WATER HEATERS. HINCKLEY C. AINSWORTH and PERCY H. MURRAY, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,091. 4 Claims. (Cl. 126—351.)



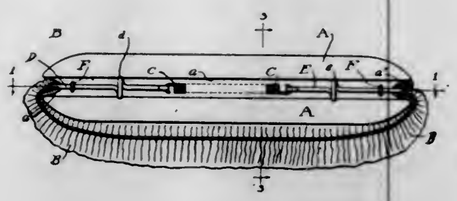
1. An automatic fuel control comprising a ported passage for fuel, a valve for said port, a plunger chamber, a plunger slidably fitting the chamber, there being a water inlet port in the plunger chamber on one side of the plunger and a duct connected with said port and communicating with the chamber on the opposite side of the plunger and there being a water outlet port communicating with the duct leading to a heating element, means restricting the duct between the water inlet port and the water outlet port, and means operably connecting the valve with the plunger.

1,506,403. STORAGE BATTERY. HARRY J. BAKER, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 628,356. 2 Claims. (Cl. 204—29.)



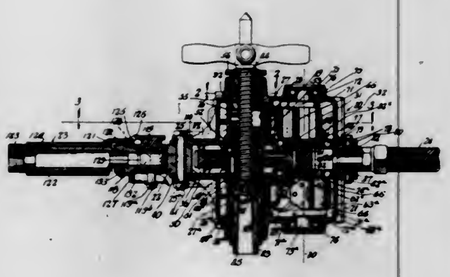
1. In a storage battery, the combination of a cell cover having an opening therethrough, a threaded leaden terminal post projecting through such opening, and a threaded leaden nut for securing said post in said opening, the nut and terminal post when coupled together in operative relation having contact only between the upper surface of the nut thread and the lower surface of the post thread and at the roots of said threads.

1,506,404. SHOE-POLISHING DEVICE. SHELDON M. BOOTH, Chicago, Ill. Filed Feb. 3, 1923. Serial No. 616,746. 1 Claim. (Cl. 15—231.)



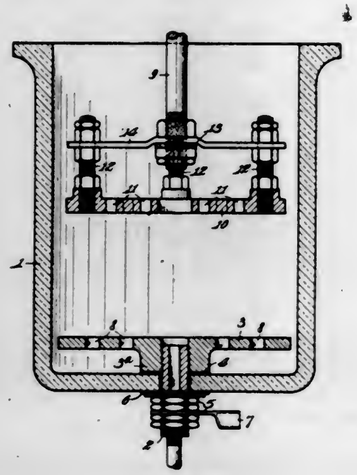
A shoe polishing device comprising a rigid block, the front and back of said block being substantially alike and the ends of the block being rounded, a transversely extending groove being provided in each of the rounded ends of said block and said block being further provided in each side with a longitudinally extending groove communicating at each end with the transverse groove, springs positioned in the longitudinal grooves, and a U-shaped member attached to one end of each of said springs, a second U-shaped member attached to the opposite ends of said springs, said second U-shaped member being provided with manipulating lugs, a strip of polishing material looped intermediate its ends under the cross element of said first named U-shaped member and clamped in one of the lateral grooves, with the free ends of said strip adapted to extend over either face of said block and under the cross element of the second U-shaped member in the lateral groove at the opposite end of said block.

1,506,405. PNEUMATIC DRILL. MATHEW J. BURKEL, Aurora, Ill., assignor of one-fourth to Clarence E. Mehlhope, Chicago, Ill. Filed Mar. 20, 1919. Serial No. 283,922. 4 Claims. (Cl. 121—33.)



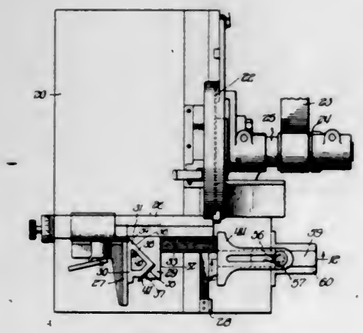
1. A pneumatic drill comprising a flat gear case ring, top and bottom cylinder casings fixed to said ring, pistons in said cylinder casings, an upright drill spindle journaled at its ends in said cylinder casings, a crank shaft parallel with the spindle and journaled in the cylinder casings, said crank shaft extending through the gear case ring and being driven by said pistons, a toothed member in said gear case ring operatively connected to the drill spindle and driven by said crank shaft, top and bottom internal gears mounted on said toothed member, and upright rotary valves having gear pinions on their inner ends meshing with said internal gears, said valves controlling the inlet and discharge of pneumatic fluid to and from the piston cylinders.

1,506,406. SLIP REGULATOR FOR ELECTRIC MOTORS. ALBERT E. CARVER, Beech Bottom, W. Va., assignor of one-half to J. E. Montgomery, Wheeling, W. Va. Filed June 7, 1922. Serial No. 566,500. 3 Claims. (Cl. 219—57.)



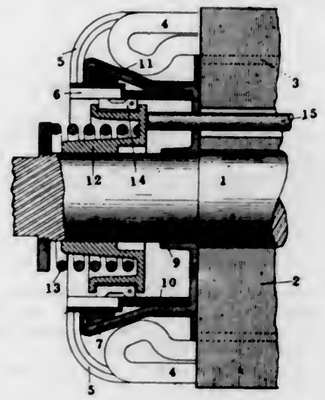
1. In an automatic slip regulator for electric motors, the combination with a regulator-tank cell, of a lower stationary electrode disposed in an elevated position with respect to the bottom of said cell, and an upper electrode suspended and vertically movable with respect to said lower electrode, said electrodes being cast in flat plate-like form of corrosion-resisting metal and being suitably perforated.

1,506,407. COMPOSING-ROOM-SAW MITERING ARRANGEMENT. EDWARD CHESHIRE, Berlin Township, Waukesha County, Wis. Filed Mar. 6, 1922. Serial No. 541,309. 7 Claims. (Cl. 29—69.)



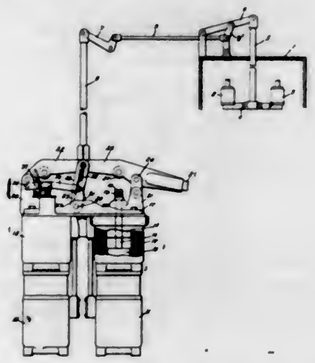
1. In a composing room saw, gauge means for accurately setting border material to be mitered, including two relatively movable members between which a border member of the thickness to be mitered may be inserted for determining the ultimate line along which the border material will be mitered.

1,506,408. COMMUTATOR. ERNEST CLARKE, St. Louis, Mo., assignor, by mesne assignments, to Wagner Electric Corporation, a Corporation of Delaware. Filed Nov. 23, 1921. Serial No. 517,201. 8 Claims. (Cl. 171—321.)



1. In a device of the class described, the combination of an annular supporting member having a tapered inner peripheral surface, a plurality of segments circularly arranged therein, and means cooperating with the tapered surface of the annular member to hold the segments in position.

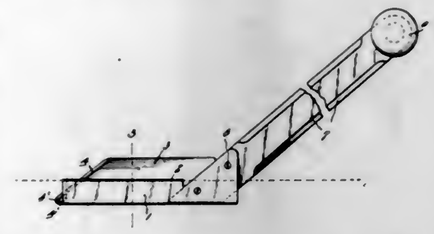
1,506,409. SOLENOID-OPERATING MECHANISM. RICHARD CLASSEN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 7, 1923. Serial No. 661,525. 6 Claims. (Cl. 200—166.)



1. In an electric switch, a plurality of solenoids, a lever adapted to be actuated by each of said solenoids, means for connecting together corresponding portions of said levers, and a tripping mechanism operatively connected to said means to control the movement of said levers in one direction.

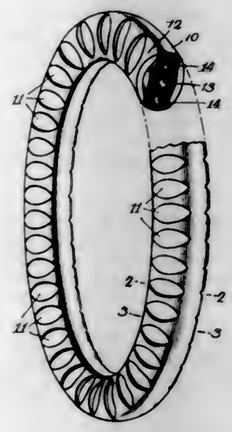
1,506,410. LAWN-EDGE TRIMMER. ARRA E. COURTNEY, Kansas City, Mo. Filed July 18, 1922. Serial No. 575,873. 1 Claim. (Cl. 97—227.)

A device of the character described made from a single piece of metal to form a handle receiving member and a head, the head comprising a flat vertical side piece and an obliquely disposed flat outwardly extending side piece directly connected at their bottom edges, the first side piece being bent outwardly at its upper edge to form a flat outwardly extending guide flange, the oblique side piece extending to a point in advance of



the other side piece and the guide flange, and the side pieces having front sharpened edges, said handle receiving member being U-shaped in cross-section and triangular in side elevation.

1,506,411. TIRE CORE. GEORGE W. COWGILL, Chicago, Ill. Filed Feb. 29, 1924. Serial No. 695,978. 2 Claims. (Cl. 152—5.)

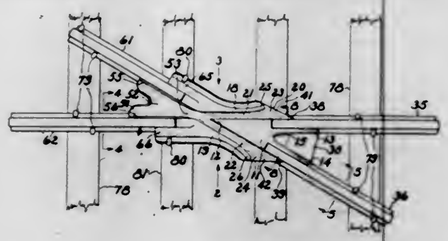


2. A vehicle tire including a core with a circular opening in the center and additional openings, above and below the central opening, which are oval shaped toward the outer walls forming bracing arch like partition walls, all three openings extending circumferentially of the core, said core having transverse partitions, on opposite sides of the central opening, of substantially the shape of the opposite sides of an hourglass, which are perpendicular at the apex of the core, forming oval recesses in the sides thereof, said openings, partitions and recesses being evenly distributed at regular intervals throughout the core.

1,506,412. FROG FOR RAILWAYS. ROBERT G. CRAWFORD, Pittsburgh, Pa., assignor to The American Frog & Switch Company, Hamilton, Ohio, a Corporation of Ohio. Filed Aug. 30, 1923. Serial No. 660,217. 10 Claims. (Cl. 246—464.)

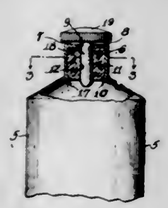
3. A frog having an easer-extension at one side of a rail-slot and a fish-extension at the other side of said rail-slot to form said rail-slot, a frog-tongue at the inner end of said rail-slot, a wing spaced from said

frog-tongue to form a channel having a widened mouth, and a web at the bottom of said mouth, said web con-



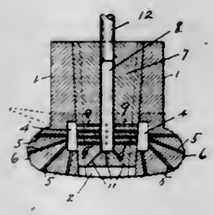
necting with said wing and having connection with said fish-extension in rear of the inner end of said rail-slot.

1,506,413. LEAKPROOF TUBE SEAL. HENRY SAULNIER DARLINGTON, Media, Pa., assignor to A. H. Wirz, Inc., Chester, Pa., a Corporation of Pennsylvania. Filed Feb. 25, 1922. Serial No. 539,100. 6 Claims. (Cl. 113—116.)



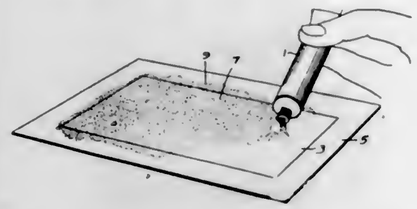
1. A collapsible tube for holding liquids and semi-liquids, having the outer end formed as a chamber, an apertured cork in said chamber, under compression axially of the cork and a plug fitting the aperture and closing the tube by engagement of the walls of the cork.

1,506,414. DEVICE FOR PRESSING AND STEAMING CAPS. JACOB DASHEW, Baltimore, Md. Filed Dec. 7, 1923. Serial No. 679,109. 3 Claims. (Cl. 223—21.)



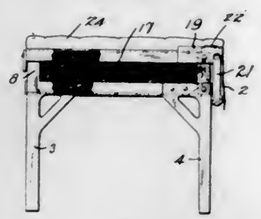
1. A device for pressing and steaming caps, comprising a number of sections having inclined inner surfaces and an enlarged end, and a number of apertures leading from said inclined surfaces through the said enlarged end, a tapered key block adapted to fit between said sections and operate against said inclined surfaces to force the said sections apart, an aperture extending downwardly in the center of the key block to near the lower end thereof, and a number of apertures leading from the said central aperture to the apertures in said sections and to the end of the key block.

1,506,415. METHOD OF ADHESIVELY SECURING ARTICLES TOGETHER. BRADLEY DEWEY, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1920. Serial No. 367,863. 2 Claims. (Cl. 216—62.)



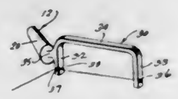
1. A method of securing articles of different areas together, characterized by spreading on the surface of one of the articles a thin coating of viscous rubber adhesive containing a solvent, pressing the articles together with the rubber adhesive between them at normal temperature and before the solvent has evaporated, thereby to unite the articles and cause any excess rubber adhesive to creep beyond one of the articles onto the other, and rubbing the excess rubber adhesive therefrom after it has dried.

1,506,416. COUCH BED. JOSIAH A. DEWEY, Oakland, Calif., assignor, by mesne assignments, to Murphy Door Bed Company, San Francisco, Calif., a Copartnership Firm consisting of William L. Murphy and William K. White. Filed Mar. 20, 1920. Serial No. 367,352. 6 Claims. (Cl. 5—29.)



6. In a couch bed, a stationary frame, an invertible frame pivotally mounted on said stationary frame, and a resiliently mounted edging strip for supporting the upper front edge of the couch and for re-enforcing the central portion of the bed.

1,506,417. TOOTH-CLEANSING DEVICE. STANLEY M. DONALS, Rochester, N. Y. Filed Oct. 1, 1923. Serial No. 666,004. 2 Claims. (Cl. 132—84.)



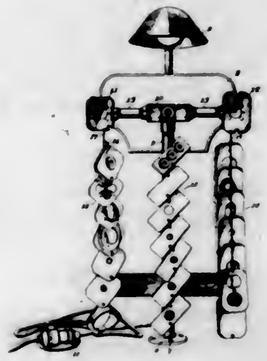
1. As an article of manufacture a dental floss holding bow comprising a substantially U-shaped structure, and an attaching shank extending longitudinally therefrom and inclined transversely of the bow at an angle of less than 180° with respect to the plane of the U-shaped bow.

1,506,418. TEST PLUG. EDWIN G. EVENSTA and HENRY J. ANDERSON, Minneapolis, Minn., assignors to E-Z Manufacturing Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 26, 1923. Serial No. 621,232. 1 Claim. (Cl. 137—76.)



A test plug including an expansible bulb adapted to be placed in a pipe, a tube extending through the bulb and provided with two air-charging conduits, one of which opens into the bulb for expanding the same, and the other of which opens into the pipe in which the test plug is applied, said two conduits being independently valve controlled.

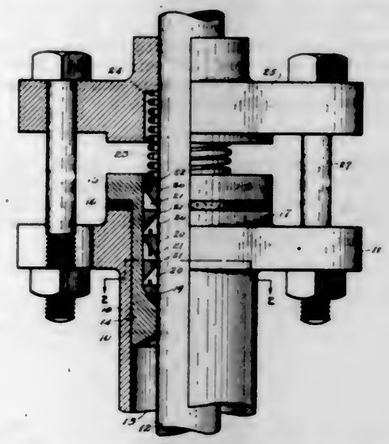
1,506,419. DISPLAY DEVICE. GEORGE T. FIELDING, Stamford, Conn., assignor to General Electric Company, a Corporation of New York. Filed Mar. 11, 1922. Serial No. 543,064. 4 Claims. (Cl. 211—24.)



1. In a display device for apparatus comprising a major element and a number of minor elements each of which is adapted for use with the major element, the combination of a standard, a major element fixed thereon, and a string of minor elements hung adjacent thereto.

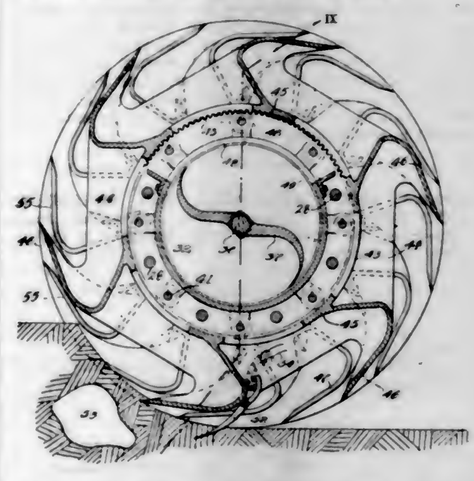
1,506,420. PACKING RING. FRED J. FLASPOEHLER, WILLIAM A. STIEGLITZ, and FRANK A FLASPOEHLER, Louisville, Ky. Filed July 7, 1921. Serial No. 483,112. 2 Claims. (Cl. 286—23.)

1. The combination with a cylinder and a piston rod passing through an opening in said cylinder, of a stuffing box fitted between the rod and the wall of the opening, said stuffing box being arranged to form an annular recess around the rod having a bottom bevelled inwardly toward the rod, a sectional seat ring fitted in said recess against the bottom, other sectional cylindrical rings arranged in pairs with their inclined faces abutting and their cylindrical faces bearing respectively on the piston and the wall of the opening, the inner ring of the first pair bearing on



the sectional seat, pins each projecting from the several rings into the spaces between adjacent sections of the co-operating rings, and means to force said rings inward of the stuffing box.

1,506,421. SURFACE-EXCAVATING MACHINE. THEOPHIL J. FREDA, Detroit, Mich. Filed Jan. 3, 1922. Serial No. 526,605. 21 Claims. (Cl. 37—87.)



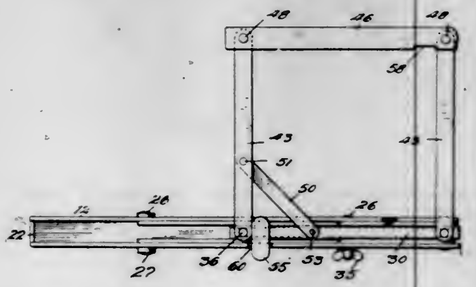
1. A surface excavating machine comprising a tractor, a main frame supported thereby and overhanging unexcavated ground, transversely disposed spaced apart rotary cutters supported by said main frame, a conveyor axially of each cutter and of greater length than each cutter adapted to conduct earth to the outer end of each cutter, and means on said tractor adapted to simultaneously operate said cutters and conveyors.

12. A surface excavating machine comprising a main frame, transversely disposed coaxial rotary cutters supported by said main frame, and having confronting ends in spaced relation, conduits axially of said cutters, spiral conveyors in said conduits and adapted to conduct earth to the outer ends of said conduits, and means be-

tween the confronting ends of said cutters adapted to simultaneously operate said spiral conveyors, bucket conveyor and said cutters.

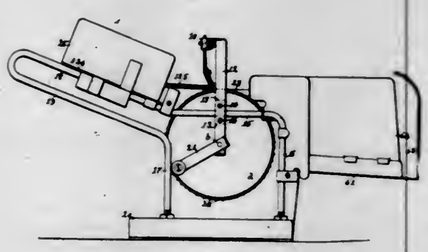
21. An excavator comprising inner and outer heads, circumferentially disposed shafts rotatably supported by said heads, a rotary cutter about said shafts and driven therefrom, and a conduit connecting said heads and adapted to receive earth from said cutter, said conduit supporting said outer head relative to said inner head and at intervals supporting said shafts.

1,506,422. LUGGAGE CARRIER. JOHN M. GIBBONS, New York, N. Y., assignor to Lanton Auto Equipment Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 24, 1923. Serial No. 634,214. 8 Claims. (Cl. 229—29.)



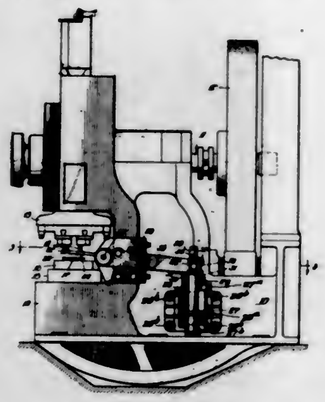
1. In a luggage carrier for automobile running boards and the like, a channel-shaped housing member adapted to be secured to the edge of the running board with the channel facing outwardly, a collapsible horizontal section pivotally connected to said housing member and adapted to fold into the channel therein, and a collapsible vertical section carried by the outer edge of the horizontal section and also adapted when collapsed to enter the channel in said housing member.

1,506,423. FEED MECHANISM FOR ENVELOPES AND THE LIKE. ELMER E. GRAY, Cliftondale, Mass. Filed Oct. 30, 1920. Serial No. 420,639. 5 Claims. (Cl. 271—41.)



1. In a feed mechanism for envelopes and the like, in combination, a drum to support and feed the envelopes, a friction member on the periphery of said drum to rotate therewith and increase the frictional engagement of said drum with said envelope, a smooth member fast on and projecting beyond the periphery of said drum with which the envelopes engage, and a stripper cooperating with said smooth member to press an envelope thereon.

1,506,424. AUTOMATIC STRAIGHTENING AND STRIPPING DEVICE FOR PUNCHING AND SHEARING MACHINES. RANDOLPH B. HANCOCK, Gary, Ind. Filed Mar. 10, 1922. Serial No. 542,679. 7 Claims. (Cl. 153—2.)



1. In combination, with a punching press a pivotally mounted stripping plate, a cylinder, a piston in said cylinder, operating connections between said stripping plate and said piston, and means whereby fluid pressure is admitted into and exhausted from said cylinder whereby said stripping plate is operated in synchronism with the punching head of the press.

1,506,425. LIBERATION OF OIL FROM OIL-CONTAINING DEPOLARIZERS. GEORGE W. HEISE, Elmhurst, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 11, 1922. Serial No. 560,231. 5 Claims. (Cl. 204—38.)

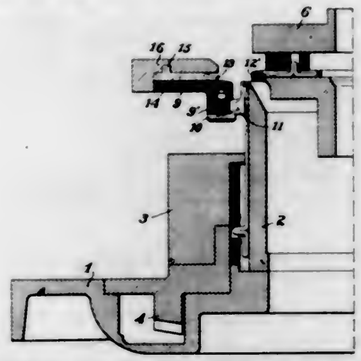
1. Process of liberating oil from an oil-containing depolarizer, comprising bringing into contact therewith water and a substance capable of expediting the liberation of the oil from the depolarizer.

1,506,426. TYPEWRITER-KEYBOARD ARRANGEMENT. ROY E. HOKE, Birmingham, Ala. Filed June 16, 1922. Serial No. 568,792. 2 Claims. (Cl. 197—100.)



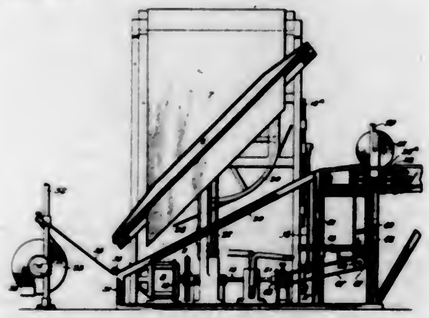
1. A typewriter keyboard having the printing keys arranged in parallel diagonal rows from front to back and interposing between the center rows a diagonal row of machine control keys lying in the same level with the other keys and forming a row parallel therewith.

1,506,427. LOOP-TRANSFER MECHANISM FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed May 11, 1922. Serial No. 560,098. 17 Claims. (Cl. 66—22.)



1. A knitting machine for making rib and plain fabric having two sets of needles working in interspaced planes for making rib fabric, a set of transfer members for transferring the loops of one set of needles to the needles of the other set and arranged to work in the same planes with the set of needles which are to receive the transferred loops, means for shogging the first set of needles into line with said transfer members, means for reciprocating the said needles and transfer members, said transfer members taking the loops from the shogged needles and holding them in position to be taken therefrom by the other set of needles, substantially as described, said transfer members being latchless, substantially as described.

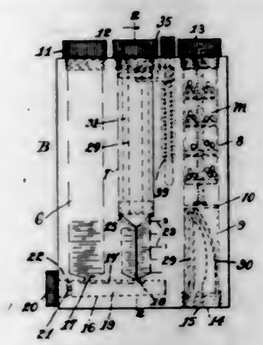
1,506,428. BIAS-CUTTING MACHINE. ROBERT IREDELL, Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 25, 1922. Serial No. 584,178. 8 Claims. (Cl. Aug. 25, 1922. Serial No. 584,178. 8 Claims. (Cl. 164—73.)



1. In a machine of the character set forth, the combination with a cutter and means for feeding fabric to the cutter in substantially a vertical plane, of a conveyor to receive the cut strips of fabric, said conveyor running in a path parallel to said plane.

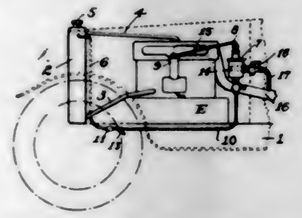
1,506,429. POCKET MEDICAL CASE. ALFRED KAHN and CHARLES E. DRESSLER, New York, N. Y. Filed Mar. 21, 1921. Serial No. 454,079. 8 Claims. (Cl. 206—43.)

1. In a medical pocket case, a block of material arranged with recesses extending from the exterior to within the body of the block, removable closures for the open ends of the respective recesses to provide chambers within the block, constituting a liquid carrying chamber, a medicament mixing chamber having a connection with the liquid carrying chamber and arranged to carry a syringe therein, and a medicament carrying chamber,



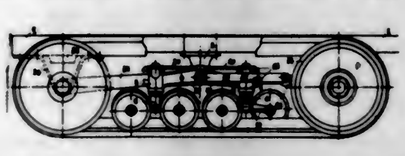
means in the connection of said liquid carrying and mixing chambers to shut off and open communication between said chambers, and a medicament carrier connected to and removable with the closure for the medicament carrying chamber.

1,506,430. FUEL ECONOMIZER FOR INTERNAL-COMBUSTION ENGINES. CARL KECK, Brooklyn, N. Y. Filed June 16, 1921. Serial No. 478,197. 3 Claims. (Cl. 123—25.)



1. In a device of the class specified, the combination with an internal combustion engine having a fuel intake, an exhaust outlet and water cooling jacket, and a liquid cooling radiator in circulation with the water jacket of the engine, of a casing having a chamber with an outlet connected to the fuel intake of the engine, and connections with the exhaust outlet and the radiator above the liquid level therein to draw moist vapor therefrom, and an air inlet to said latter connection for the purpose specified.

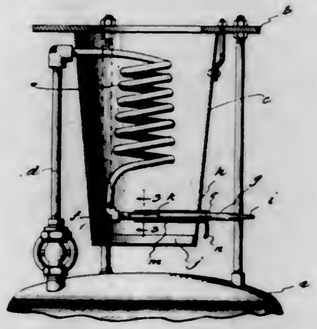
1,506,431. FLEXIBLE TRACTION APPARATUS. ADOLPHE KÉGRESSE, Paris, France. Filed Aug. 23, 1921. Serial No. 494,473. 19 Claims. (Cl. 305—9.)



1. In a tractor, the combination of an endless, flexible track belt; front and rear drums around which the belt passes; and a bearing train for said belt comprising a pivotally-mounted balance beam, a pair of cylinders con-

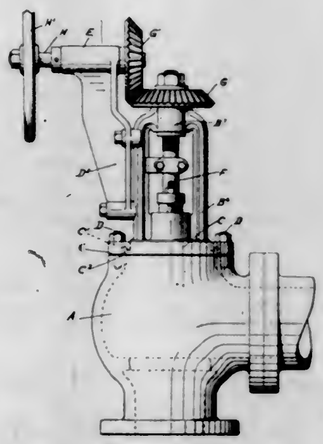
nected side by side to each end of the beam, a spring-controlled plunger in each cylinder, and rollers supported by said plungers and arranged to bear upon the inner surface of the lower stretch of the belt.

1,506,432. FIRE POT. HARRY B. KIMMEL, Highland Park, Mich. Filed Mar. 26, 1923. Serial No. 627,813. 7 Claims. (Cl. 158—53.)



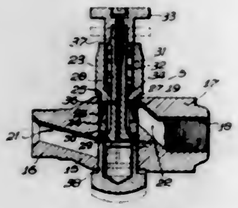
7. In a fire pot, the combination of a chimney provided with a priming trough, a preheating tube suspended within the chimney, a burner connected therewith and provided with a port through which the vapor generated in the preheating tube is ejected, and a guard for closing said port during the priming operation to maintain the port opening in the said burner free from carbon deposits, said guard projecting through the walls of the chimney so that the same may be actuated from without the chimney.

1,506,433. GEAR-ACTUATED VALVE. PAUL W. KNAUF, Cynwyd, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1920. Serial No. 352,497. 8 Claims. (Cl. 251—157.)



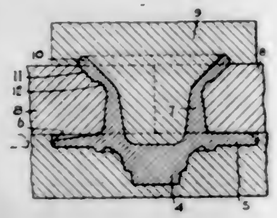
1. In a valve of large size substantially as described, a valve casing having an opening for the insertion of a valve and an annular seat surrounding said opining, in combination with a cover having an annular seat adapted to rest on the seat surrounding the opening, gear wheels for actuating the valve spindle supported on the cover, a clamping ring extending over the edge of the cover and means secured to the valve casing operating to draw said clamping ring down on the edge of the cover without rubbing contact.

1,506,434. FLASH-IGNITER VALVE. OSCAR J. LEINS, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 6, 1921. Serial No. 498,864. 3 Claims. (Cl. 158—115.)



3. In a device of the class described, the combination of a valve casing having a transverse well, admission and discharge passages opening into and from said well, a controlling member mounted in one end of said well and adapted for regulating the fuel supply thereto, a valve cage mounted in the opposite end of the well independently of said controlling member, and a valve mounted in said cage and affording with said cage means for supplying restricted and increased flows of fuel to the discharge passage.

1,506,435. METHOD OF FORMING FLANGED ARTICLES AND PRODUCT THEREOF. ARTHUR MARTIN, Pittsburgh, Pa. Filed Mar. 7, 1922. Serial No. 541,772. 6 Claims. (Cl. 29—159.)

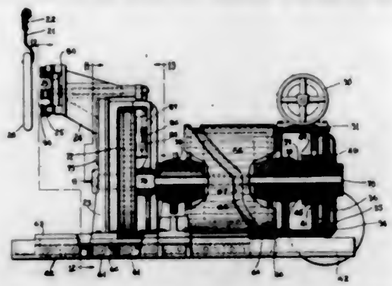


1. The method of forging flanged articles that comprises forging a blank to produce one of the flanges, partially forming another flange having a modified surface on the side toward said first-named flange, and finally forcing the said second flange into parallel relation with said first flange, the said modified surface being capable of production only at said partially formed stage.

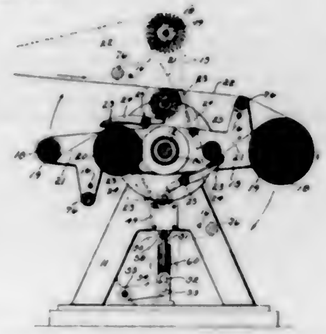
5. As a new article of manufacture, a flanged metal article forged in one piece and having a plurality of flanges integral therewith, at least one of which has a modified surface on the side toward the adjacent flange.

1,506,436. CORE-HANDLING DEVICE. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 2, 1920. Serial No. 427,884. 8 Claims. (Cl. 154—9.)

1. A core handling device comprising a support, means for reciprocating the support horizontally, a head vertically movable in that support, means for causing vertical reciprocation of the head, core grasping elements mounted on said head, and means for expanding said elements to cause them to grasp a core.



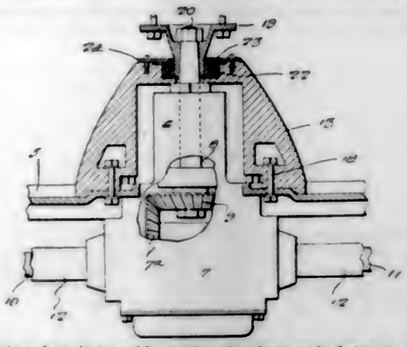
1,506,437. WINDING DEVICE. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 12, 1921. Serial No. 491,730. 1 Claim. (Cl. 242—64.)



A winding mechanism comprising a frame with a rotatable shaft therein, spaced pairs of arms mounted on said shaft, a receiving spool and a liner-carrying spool positioned between each pair of arms, means to rotate the shaft to bring the spools successively into transfer position, means for holding the arms in the desired positions, means to rotate the winding spools individually while stationary or when changing positions, a guide roll on each arm holding the web out of contact with the mechanism when the active winding spool is in transfer position and acting as a guide until the web is severed, said mechanism being adapted to wind upon successive spools a continuous web of material passing above a fresh spool in its passage to a spool in transfer position, whereby when the web is severed the winding upon the fresh spool can be started immediately and without stopping the travel of the web.

1,506,438. MAIN-SHAFT CARRIER. ROBERT R. MONDAY, Fountain City, Tenn. Filed July 6, 1923. Serial No. 649,871. 5 Claims. (Cl. 74—56.)

1. A motor vehicle drive construction comprising in combination with a fixed axle adapted to have the usual driving wheels journaled on the ends thereof and provided with a central opening, and a differential gearing embodying driving axles and a differential housing disposed rearwardly of said axle, said differential housing embodying a forwardly projected bearing housing extending through the opening of the fixed axle and having a rear main drive shaft section journaled therein with its rear end geared to the differential mechanism, of an auxiliary carrier attached to the axle and enclosing said



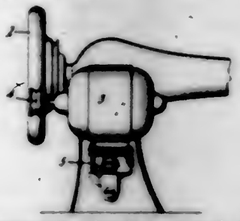
bearing housing, said carrier further embodying a forward bearing for the rear drive shaft section forwardly of said bearing housing.

1,506,439. BRACELET HOOK. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1924. Serial No. 689,230. 5 Claims. (Cl. 24—233.)



1. A bracelet hook having a hollow body portion with an elongated shank formed in hook shape at one end, a tongue member cooperating at its outer end with the hook to close it, the opposite end of the tongue having a resilient arm housed in said hollow portion and said arm being folded back upon itself and serving as a spring to normally hold the tongue in closed position.

1,506,440. SUPPORT FOR SEWING-MACHINE MOTORS. MARVIN L. NORRIS, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed May 27, 1920. Serial No. 384,733. 3 Claims. (Cl. 74—26.)

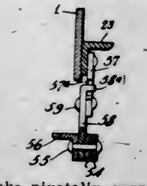


1. A motor-supporting bracket adapted to support a motor in either of two positions comprising in combination, a pivotally mounted plate provided with a projecting arm at each end, a motor-supporting plate also provided with a projecting arm at each end, a hinge-pin connection between the projecting arms of said plates, a stop-lug on each of the projecting arms of said first mentioned plate, and a spring so arranged as to bias said motor-supporting plate toward said stop-lugs.

1,506,441. LEG-ELEVATOR-SUPPORTING MEANS FOR WASHING MACHINES. NEVVENS N. NUNN, Maplewood, Mo. Filed Feb. 11, 1921. Serial No. 444,155. 6 Claims. (Cl. 280—44.)

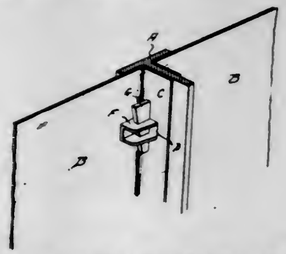
1. The combination with supporting standards of a washing machine, of arms arranged in pairs each pair

being arranged substantially parallel with its cooperating pair of standards to which the outer ends of said pair of arms are pivotally connected, a pin pivotally interengaging the inner ends of each pair of arms, vertically



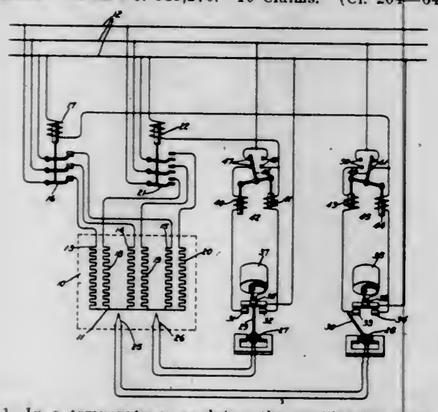
disposed toggle links pivotally supported at one end by the frame of the machine and pivotally connected at its lower end to said pair of arms, casters mounted on said arms adjacent to their outer ends, and a pedal secured to said pin for actuating said arms.

1,506,442. CONNECTION FOR METAL STRUCTURES. FRANK G. O'HARA, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 26, 1921. Serial No. 456,029. 3 Claims. (Cl. 189—36.)



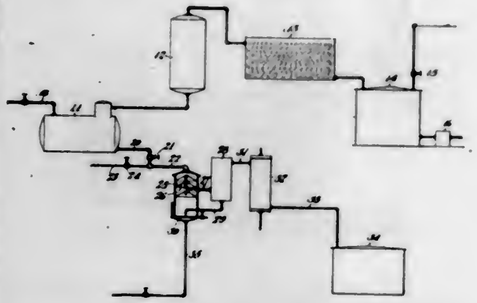
1. In a device of the kind described, the combination with a flanged bar, of a flanged plate, said bar and plate having registering openings, a double wedge projected through the said openings of said plate and bar, said double wedge having openings and a single wedge projected through the openings in the double wedge in a direction transverse to the line of direction of the first named wedge.

1,506,443. TEMPERATURE REGULATOR. ALBERT N. OTIS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 25, 1922. Serial No. 539,270. 10 Claims. (Cl. 204—64.)



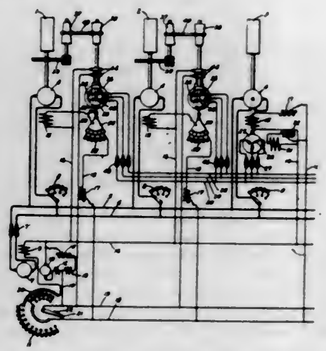
1. In a temperature regulator, the combination with a heated device, heating means therefor, and temperature responsive means for controlling said heating means so as to maintain said device at different mean temperatures depending on the conditions of operation.

1,506,444. PROCESS OF REFINING OIL. DANIEL PYZEL, Piedmont, Calif. Filed May 18, 1921. Serial No. 470,542. 1 Claim. (Cl. 196—47.)



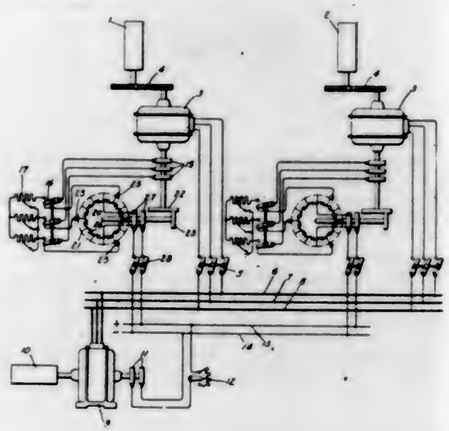
A process of cracking oil which comprises: maintaining a main body of oil at a cracking temperature and pressure; continuously taking off vapors therefrom; continuously supplying fresh oil to maintain the volume of said oil undergoing said cracking; continuously withdrawing oil from said body of oil for the purpose of preventing any increase of the free carbon therein over a predetermined proportion; injecting steam into the oil so withdrawn to form a foam, and thereafter spreading this foam in a thin film after relieving the pressure thereon and while the same is still at substantially the cracking temperature of said main body of oil; and continuously withdrawing vapors from the oil so withdrawn after said pressure has been relieved.

1,506,445. SEGREGATED DRIVE FOR PAPER MACHINES AND THE LIKE. HAROLD W. ROGERS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 28, 1921, Serial No. 448,553. Renewed Apr. 19, 1924. 5 Claims. (Cl. 172—293.)



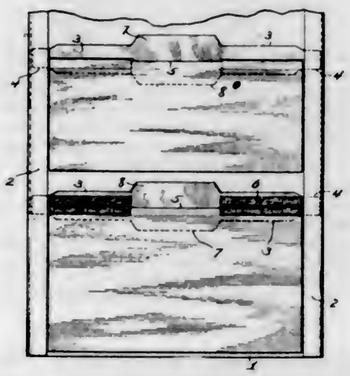
1. In an electric drive wherein a plurality of elements are required to run in fixed speed relationship and wherein a motor is arranged to drive each of a plurality of said elements, the combination of means for controlling the speed of each of a plurality of said motors, and means for actuating each of said speed controlling means to maintain the speed relationship of the motors fixed consisting of a member driven by the corresponding motor and a cooperating freely movable member, one of said members being arranged to provide magnetic poles of a fixed polarity and the other member being provided with a winding adapted to be connected to an alternating current source, and a common source of alternating current for supplying each of said windings.

1,506,446. SYSTEM OF MOTOR CONTROL. HAROLD W. ROGERS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 12, 1922. Serial No. 560,484. 6 Claims. (Cl. 172—293.)



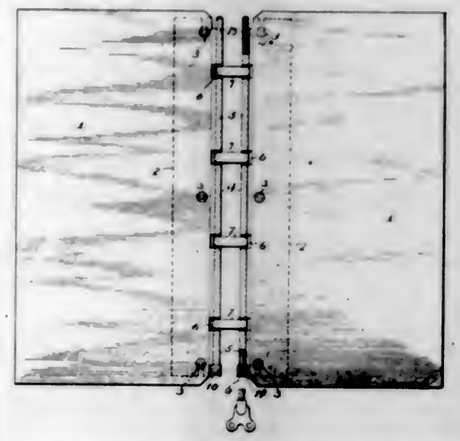
1. The combination with an alternating current driving motor having phase-wound rotor and stator elements, of means adapted to supply alternating current of a predetermined frequency to one winding of said motor, and means for determining the speed of said motor comprising a commutator for said motor, a resistance connected to segments of said commutator, means adapted to supply direct current to said resistance, brushes of a number corresponding to the number of phases of the winding on the other element of the motor mounted for relative rotation with respect to said commutator, and an adjustable speed mechanism for driving said commutator and brushes relatively from the motor shaft.

1,506,447. CARD INDEX. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed Oct. 2, 1923. Serial No. 666,100. 2 Claims. (Cl. 129—167.)



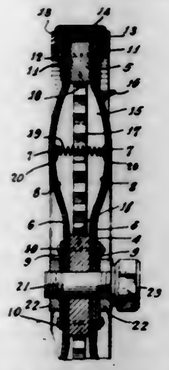
2. In a card index, a combined card and card support having hinged connection with each other and having a slot, said support being reversible whereby the card may be disposed to normally expose one or the other face of the card, said card support having tongues projecting from its respective longitudinal edges.

1,506,448. LOOSE-LEAF BOOK. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed Nov. 14, 1923. Serial No. 674,664. 4 Claims. (Cl. 129—24.)



1. In a loose-leaf book, the combination of guide tubes, locking rods longitudinally movable in said guide tubes and removable therefrom, leaf links having pivotal connection with said locking rods, said locking rods provided at their inner ends with threaded portions having maximum diameter equal to the diameters of said rods, and enlarged housing sleeves on said guide tubes normally receiving said threaded portions of the rods.

1,506,449. PUNCTUREPROOF AUTOMOBILE WHEEL. THOMAS LABANIAN RUTH, Wilmington, N. C. Filed Aug. 1, 1921. Serial No. 489,114. 4 Claims. (Cl. 152—28.)

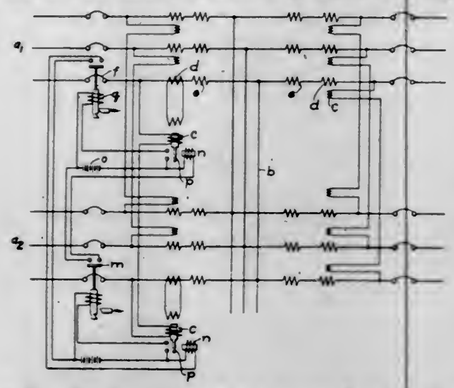


1. A resilient wheel comprising a hub member and a rim member surrounding the same, an airtight flexible casing extending from the hub member to the rim member and forming a single annular chamber for holding fluid under pressure, and a plurality of substantially radial springs extending from the hub member to the rim member and located directly in said chamber.

1,506,450. ELECTRICAL MULTIWIRE SYSTEM. PAUL SCHADE, Hermsdorf, near Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 3, 1922. Serial No. 558,222. 7 Claims. (Cl. 175—294.)

1. A system of the class described wherein a bus bar is arranged to be interconnected with a plurality of conductors of the same polarity through a plurality of

switches each adapted to control the connection between one of said conductors and said bus bar, characterized by the fact that means responsive to a drop in the voltage



of a faulty conductor and to the current flowing in said conductor are provided for opening the switch by which said conductor is connected to said bus bar.

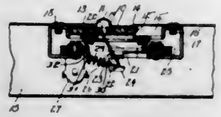
1,506,451. SHOW-CASE CORNER FASTENER. HARRY C. SCHLUETER, St. Louis, Mo. Filed Apr. 17, 1922. Serial No. 553,595. 2 Claims. (Cl. 211—25.)



1. In a glass panel show case corner fastener, in combination, a triangular lower corner plate having flat walls, a show case floor member having a corner slot with one end open, and a bolt passing upwardly through the lower wall of the corner plate and directed upwardly through the slotted opening of the floor member and provided with a hoop at its upper end for securing the corner plate in its applied position, said corner plate being adjustable through the medium of the bolt and slotted opening for providing glass panel receiving sockets of the size desired between the walls of the corner plate and the side faces of the floor member.

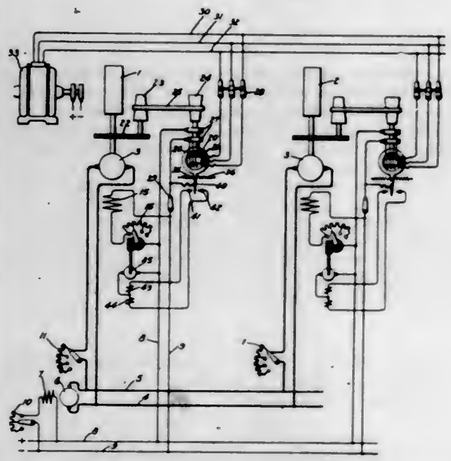
1,506,452. VACUUM-CLEANER-HANDLE SWITCH. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electrical Mfg. Co., Waterville, Conn., a Corporation. Filed June 9, 1923. Serial No. 644,331. 1 Claim. (Cl. 200—67.)

In a vacuum-cleaner handle switch, the combination with a hollow vacuum-cleaner handle, of a snap-switch mechanism located therein and comprising a sheet-metal frame formed with a shallow recess having side-walls parallel with the axes of the handle and frame, and a removable slide located within the said recess in which it is guided in its longitudinal movement, and comprising a body of insulating material removably connected with the snap mechanism for the actuation thereof and also comprising a metal plate applied to the said insulating body



and formed with a boss projecting through an opening in the said handle at a point between the attachment of the ends of the said frame thereto, whereby the said projection is insulated from the switch mechanism.

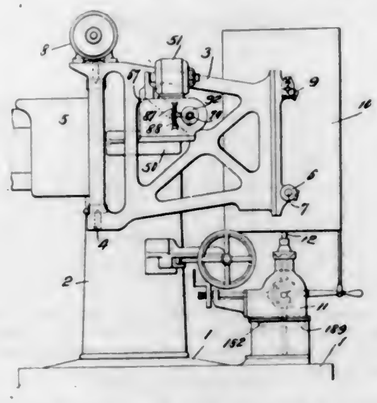
1,506,453. SEGREGATED DRIVE FOR PAPER MACHINES AND THE LIKE. CHARLES W. SHAIFER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 28, 1921, Serial No. 448,545. Renewed Apr. 19, 1924. 9 Claims. (Cl. 172—293.)



1. In an electric drive wherein a plurality of elements are required to run in fixed speed relationship and wherein a motor is arranged to drive each of a plurality of said elements, the combination of means for controlling the speed of each of a plurality of said motors and means for controlling each of said speed controlling means to maintain the speed relationship of the motors fixed comprising a member driven by the corresponding motor and a cooperating independently rotatable member, one of said members being arranged to provide magnetic poles of a fixed polarity and the other member being provided with a winding adapted to be connected to an alternating current source, and a common source of alternating current for supplying said alternating current windings.

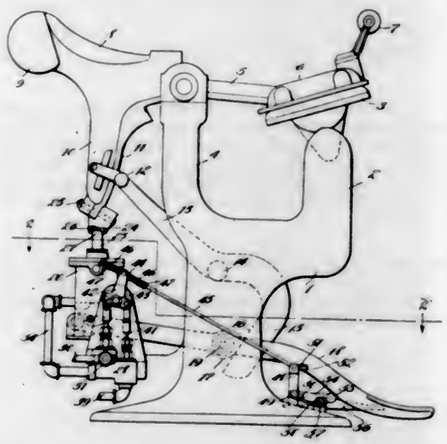
1,506,454. TRACER CONTROL FOR DIESINKING MACHINES. JOHN C. SHAW, Brooklyn, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 6, 1920. Serial No. 356,766. 43 Claims. (Cl. 90—13.5.)

1. In a die sinking machine, the combination of a tracer and cutter, the tracer being provided with a universally movable point, means for feeding the tracer and cutter relatively to the pattern and work, clutches for controlling said feed, means for operating one of said clutches when said tracer point is out of contact with



the pattern and the other when the point is moved by contact with the pattern, whereby the cutting of the die is automatically controlled by said tracer point.

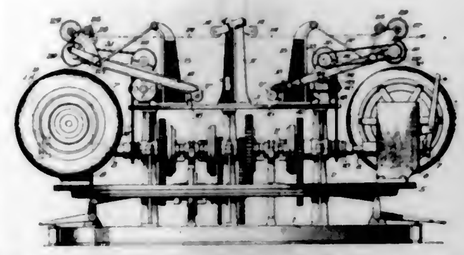
1,506,455. GARMENT PRESS. ARTHUR E. SNOW, Norwood, Ohio, assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1920, Serial No. 358,924. Renewed Dec. 16, 1921. Serial No. 522,954. 14 Claims. (Cl. 68—9.)



1. A pressing machine, comprising a frame, a garment support, a pressing head, a swinging lever supporting said head and having a portion movable in a generally horizontal direction, and a power operated member movable vertically and immovable horizontally into and out of operative relation with said lever.

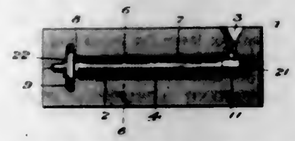
1,506,456. TIRE-MAKING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 2, 1920. Serial No. 348,903. 8 Claims. (Cl. 154—10.)

1. A machine for the purpose set forth comprising a core support, a pivoted framework, means for raising and lowering said framework, a tension roller in said framework, a fixed pulley located beneath the framework



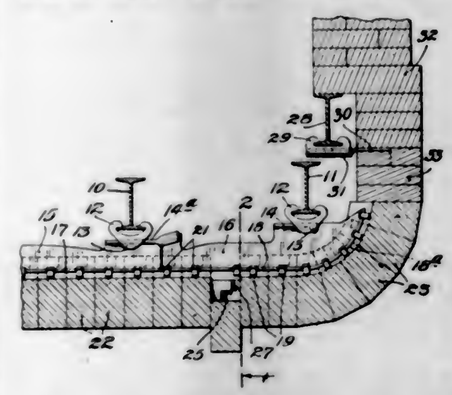
for supporting said framework in its lowermost position, and tension roller retarding means driven through said pulley.

1,506,457. PROCESS OF MANUFACTURING TIRE VALVE STEMS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 16, 1922. Serial No. 529,557. 7 Claims. (Cl. 29—157.)



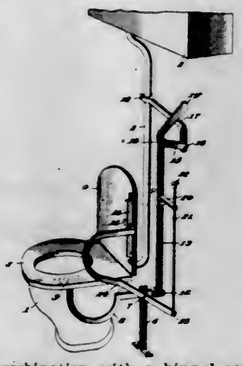
1. The process of manufacturing valve stems of the usual form for pneumatic tires, comprising die-casting a stem with screw-threads over the major portion thereof and with oppositely positioned flattened areas, forming the central air-passageway by means of removable cores and a supplementary tube, permitting the tube to remain in the valve stem as a permanent portion thereof.

1,506,458. FURNACE ARCH FOR BOILERS. CLARENCE A. STRACHOTA, St. Paul, Minn. Filed May 12, 1922. Serial No. 560,337. 6 Claims. (Cl. 110—99.)



1. In a furnace arch, laterally spaced beams, block hangers each slidable on a single beam, and arch-forming blocks underlying said beams and detachably interlocked to said hangers, said blocks having vertical clearance passages adapting them to be detached from and interlocked with said hangers without sliding said hangers out of the space normally occupied by said blocks.

1,506,459. SEAT AND COVER OPERATING MECHANISM. WILLIAM H. STREET, New York, N. Y. Filed Dec. 28, 1923. Serial No. 683,243. 3 Claims. (Cl. 4—251.)

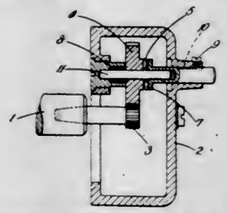


1. The combination with a hinged seat and cover, of intermediately pivoted levers, one end of one of said levers having sliding connection with the seat, and one end of the other lever having sliding connection with the cover, means attached to the other end of the seat-operating lever for actuating the same, a bracket carried by said operating means, and means attached to the other end of the cover operating lever for actuating the same, said latter means being guided in said bracket.

1,506,460. PREPARING ARSENOBENZENE DERIVATIVES WHICH ARE STABLE IN SOLUTION. KARL STREITWOLF, Frankfort on the Main, Germany, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst on the Main, Germany, a Corporation of Germany. Filed Sept. 17, 1923. Serial No. 663,292. 1 Claim. (Cl. 260—15.)

The process of making arsenical preparations which are stable in solution, which comprises combining the silver-sodium salt of 4,4'-dioxy-3,3'-diamino-arsenobenzene with a formaldehyde-bisulphite compound of an arsenobenzene.

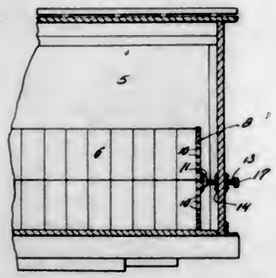
1,506,461. REVOLUTION COUNTER FOR ROTATING BODIES. KARL JOHAN SVENSSON and KARL AXEL PATRIK NORLING, London, England. Filed Aug. 13, 1923. Serial No. 657,175. 5 Claims. (Cl. 235—103.)



1. A revolution counter comprising gear wheels, a so-called "touch-peg" means for imparting to said touch-peg a pronounced impulse per revolution of a gear wheel in the mechanism when said "touch-peg" is pressed, means for bringing one of said gear wheels into engagement with its driving member only when pressure is applied to the "touch peg" and for disengaging said gear wheel from its driving member when the pressure applied to the "touch peg" is released, substantially as set forth.

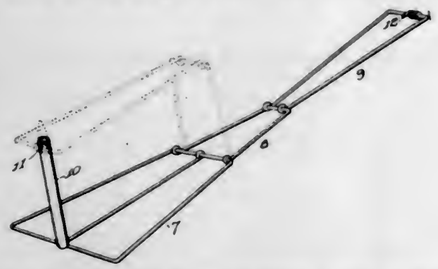
1,506,462. BOX-PACKING DEVICE FOR FREIGHT CARS. GEORGE M. THOMPSON, Avon Park, Fla. Filed Aug. 2, 1923. Serial No. 655,198. 4 Claims. (Cl. 105—369.)

1. In combination with the body of a freight car, means for packing rows of boxes tightly within the car body when said boxes are placed from end to end of the latter, comprising a follower plate movable longitudinally of the car body upon the bottom of the latter and extending



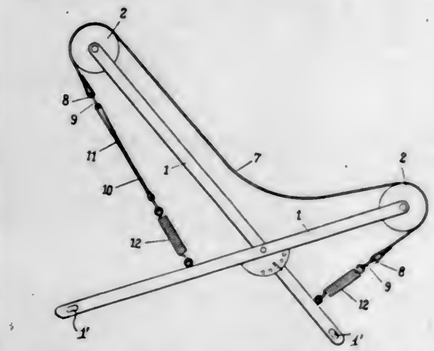
transversely from side to side of the car, and adjusting screws passing through an end wall of the car body and operable from the exterior of the latter for adjusting said follower plate.

1,506,463. GROMMET TOWEL HOLDER. LEROY FREDRICK TURNBULL, St. Louis, Mo. Filed Oct. 14, 1922. Serial No. 594,668. 6 Claims. (Cl. 24—17.)



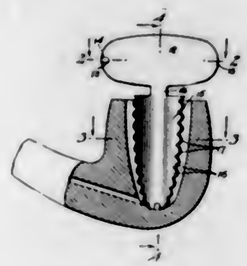
6. A grommet towel holder comprising a frame of skeleton formation, said frame consisting of a base section; a movably attached rear section; a movably attached top section; a towel supporting post over which the grommet ends of the towels are placed; and a fastening means for connecting the top section to the post, substantially as specified.

1,506,464. COLLAPSIBLE EASY CHAIR, COUCH, ETC. VICTOR GRAF v. ALTEN, Berlin-Wilmersdorf, Germany. Filed July 22, 1924. Serial No. 727,560. 4 Claims. (Cl. 155—119.)



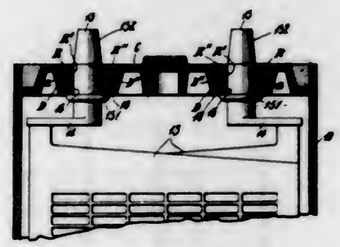
1. In a chair of the character described, a folding frame including crossed supporting members the lower portions of which constitute legs, cross members connecting the legs, a pair of rotatably padded bolsters forming the upper cross members of the frame and connected with the upper ends of the supporting members, a hammock freely trained over the bolsters, and resilient means connecting the respective ends of the hammock to the leg portions of the cross members of the frame.

1,506,465. PIPE REAMER. DAVID M. J. WALL, New York, N. Y. Filed Jan. 14, 1921. Serial No. 437,228. 6 Claims. (Cl. 131—13.)



6. As a new article of manufacture, a reamer for tobacco pipe bowls, comprising a pair of substantially similar laminose members, each with a flat handle portion and an angulated blade portion, and means for securing said handle portions in parallel relation and said blade portions in radial relation.

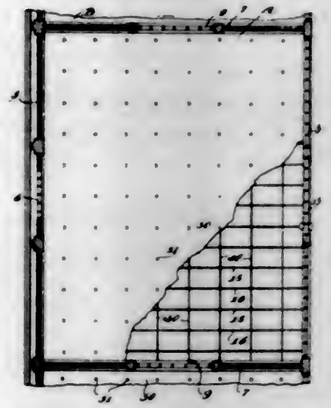
1,506,466. TERMINAL-POST SEAL. ANTON WALTER, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,788. 4 Claims. (Cl. 204—38.)



2. The method of securing a terminal post in an opening in a storage battery cover through which it projects that comprises forcing onto said post a hard rubber bushing that has a post-receiving passage initially of a cross-sectional size smaller than the part of said post which it finally engages, whereby said bushing is force-fitted on said post and said passage is enlarged, stressing the walls thereof so that said post is firmly gripped and held in place by said bushing.

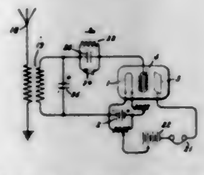
1,506,467. BURGLAR ALARM. HOMER E. WATSON, Arnolds Park, Iowa. Filed Dec. 28, 1920. Serial No. 433,673. 3 Claims. (Cl. 177—304.)

1. The combination with a room having a cage therein, of a signalling system including a plurality of spaced positive and negative wires arranged in alternate relation, means for electrically connecting the positive and negative wires to the opposite terminals of a source of electrical energy and a signal incorporated in said means, a plurality of spaced bridge wires arranged below the



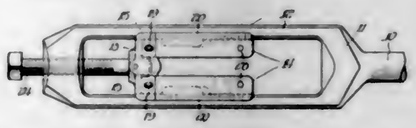
first mentioned wires and adjacent to the upper end of the cage, and a movable false ceiling secured to said bridge wires.

1,506,468. ELECTRON-DISCHARGE DEVICE. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 28, 1920. Serial No. 420,231. 10 Claims. (Cl. 250—27.)



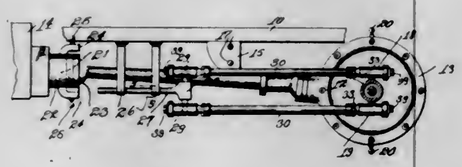
10. A radio detector apparatus comprising a sealed container, a filamentary cathode of refractory material, an anode, a grid, said container and electrodes being deprived of gas, a filling of argon at a pressure of about 20 to 60 microns, a source of current at a voltage of about 18 to 23 volts connected between said cathode and anode and means for impressing radio signals on said grid.

1,506,469. SLACK-ADJUSTER ARRANGEMENT. LOREN L. WHITNEY, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed July 3, 1922. Serial No. 572,398. 4 Claims. (Cl. 188—197.)



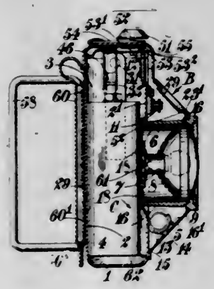
3. A slack adjuster including, in combination, an adjuster jaw, and an adjuster block comprising a main body portion and a pair of arms separate from said main body portion which are capable of being assembled after being brought within the jaw, said main body portion having pockets and said arms having projections received in said pockets for forming a connection between said parts, said block and jaw having cooperating portions for maintaining same in operative position.

1,506,470. TORSION ROD FOR AUTOMOBILES. LEE WHITCOMB, Plainfield, Ill. Filed Aug. 28, 1923. Serial No. 659,777. 1 Claim. (Cl. 180—55.)



The combination with the chassis of an automobile and its cross members, of guides carried by the cross members, a T-shaped member having its stem angular and slidable in the guides, ball members carried by the ends of the head of the T-shaped member, ball members carried by the chassis, and torsion rods having resilient sockets in their ends connected respectively with the ball members of the T-shaped member and the ball members of the chassis.

1,506,471. ELECTRIC-BATTERY LAMP OR LANTERN. GEORGE ARTHUR HENRY WOOTTON, London, England. Filed Nov. 8, 1923. Serial No. 673,564. 7 Claims. (Cl. 240—85.)



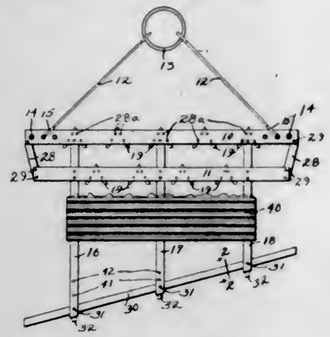
1. A lantern or lamp of the class described, comprising in combination a container for a battery, a casing mounted on the front wall of the container and constituting a compartment for the lamp switch, said casing comprising a hinged door, a holder for a spare lamp-bulb mounted on said door inside said compartment, a spring controlling said door and tending to hold the same closed and lever mechanism operatively connected with said door inside said casing and operable manually from outside said casing for opening the door sufficiently only to expose said holder and lamp bulb.

1,506,472. METHOD OF PRODUCING DULL-FINISHED ENAMEL SURFACES. JOHN W. WUERTZ, Buffalo, N. Y., assignor to Pratt & Lambert, Inc., Buffalo, N. Y., a Corporation of New York. Filed June 22, 1922. Serial No. 570,259. 4 Claims. (Cl. 91—68.)

1. A dull finished enameled surface consisting of a coat of gloss enamel, and powdered talc applied to said enamel.

4. The hereindescribed method of producing a dull finished enamel surface which consists in first applying a gloss enamel to the surface, then permitting said enamel to dry so that the same is no longer tacky but is slightly adherent, then dusting talc upon the enamel, and then removing the surplus talc from the enamel.

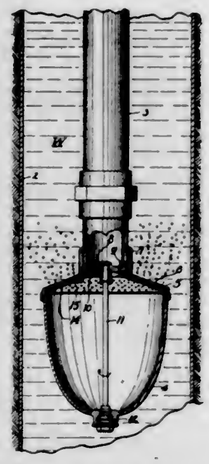
1,506,473. ROAD-SURFACE MAINTAINER. EMIL BERN and WALTER G. WERTS, Des Moines, Iowa. Filed June 15, 1921. Serial No. 477,707. 3 Claims. (Cl. 37—153.)



1. In a road surface maintainer, a pair of rigid members spaced from each other fore-and-aft in the device, V-shaped drag shoes secured to said members, the shoes being staggered on the respective members, each shoe comprising a single sheet of metal folded to a V-shape and having its upper edge folded over horizontally with a notch provided at its forward portion so that the edges of the horizontal portions fit together.

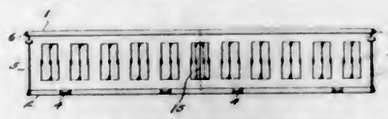
3. In a road surface maintainer, a pair of fore-and-aft spaced members rigidly connected together, a plurality of scraper shoes on each member, the shoes of the respective members being staggered with relation to each other, frame members extending rearwardly from said first member, a drag member mounted at the rear end of said last-described frame members and inclined across the path of travel of the machine, a frame mounted on wheels, means for supporting said road maintaining structure on said frame with the scraping and dragging blades in substantially the same plane, and means mounted on said frame for adjusting the position of said road maintaining device.

1,506,474. AIR LIFT. WILLIAM I. BETTIS, Los Angeles, Calif. Filed Jan. 25, 1923. Serial No. 614,760. 11 Claims. (Cl. 103—232.)



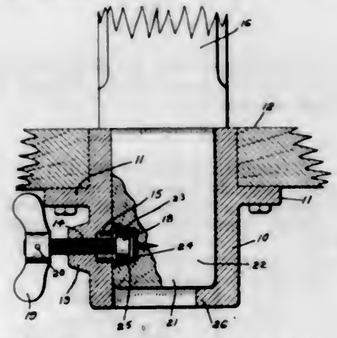
1. Air lift apparatus comprising an automatic valvular means for intermittently discharging small independent volumes of air into the liquid to be lifted.

1,506,475. CEMENT-BLOCK MOLD. GROVER F. BURKHOLDER, Newark, Ohio. Filed Nov. 15, 1923. Serial No. 674,842. 2 Claims. (Cl. 25—121.)



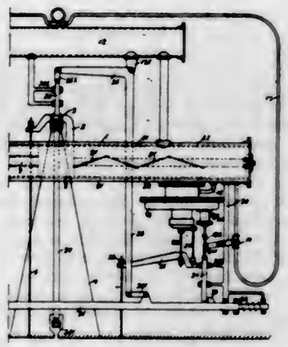
1. A mold of the class described comprising a bottom having ridges formed therein, plates having similar ridges formed thereon detachably interlocked with the ridges on said bottom, sides and ends hingedly connected with the bottom, and means for interlocking the sides and ends.

1,506,476. STAKE HOLDER. THOMAS F. CULLINAN, Providence, R. I. Filed Apr. 14, 1922. Serial No. 552,773. 4 Claims. (Cl. 296—43.)



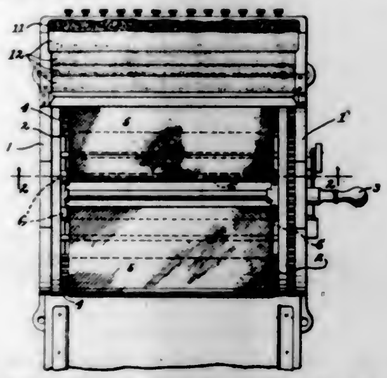
1. A stake holder comprising a socket member having means by which it may be attached to a vehicle frame, and a clamp screw threaded through the wall of said socket, in combination with a stake adapted to be positioned in said socket, the same having a locking recess with a tapered wall therein to be engaged by said screw to force the stake downward.

1,506,477. WEIGHING SCALE. FRIEDRICH AUGUST ALBERT ESSMANN, Altona-Othmarschen, Germany. Filed Mar. 21, 1923. Serial No. 626,682. 10 Claims. (Cl. 265—56.)



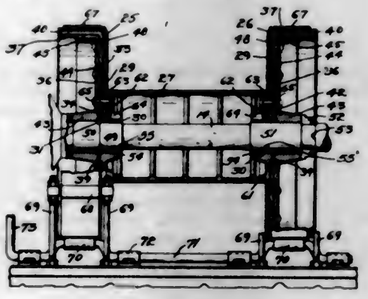
1. A weighing scale comprising a hollow cylinder to form a weigh beam, a movable weight, a pressure fluid cylinder, the weight being adapted to move along the beam by the aid of compressed fluid, two valve devices communicating with the said cylinder, one adapted to allow fluid to escape from one side of the cylinder when the beam oscillates in one direction and the other adapted to allow fluid to escape from the other side of the cylinder, when the beam oscillates in the other direction, and means to feed the opposite side of the cylinder with compressed fluid to cause movement of the weight until equilibrium is obtained and means to operate the valves on the weigh beam passing through the position of equilibrium.

1,506,478. PROCESS OF DUPLICATING TYPEWRITING AND THE LIKE. JOSEPH J. GAHN, CHARLES R. WILKES, Jr., and JOHN P. DAVIS, St. Louis, Mo. Filed Sept. 20, 1920. Serial No. 411,633. 1 Claim. (Cl. 101—426.)



The herein described method of printing letterheads and facsimile letters in one operation which consists in mounting the type for the letterhead firmly and solidly on a printing drum and in mounting the type for the body of the letter loosely in the drum so as to slightly yield during the printing operation, covering the type for the body of the letter with a sheet of silk which has previously been washed to remove the gloss and lint, fastening the ends of the silk to the drum to hold it stationary relative to the body of type covered thereby, applying ink direct to the type of the letterhead and, also, to the portion of the silk covering the type for the body of the letter, and then pressing the inked parts against the surface to be printed thereby.

1,506,479. COMBINED BRAKE AND SPOOLING DRUM. EDWIN W. GOESER and WILLIAM D. DAVIDSON, Los Angeles, Calif., assignors to Emsco Tool Co., a Corporation of California. Filed Mar. 29, 1924. Serial No. 702,791. 21 Claims. (Cl. 188—218.)

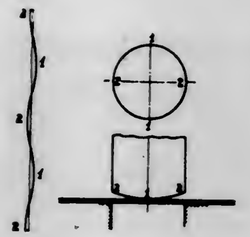


1. In a combined brake and spooling drum organization comprising means for connecting a shaft with a brake drum, the combination of: a web carrying a brake rim, and a pair of flanges engaging opposite sides of said web.

17. In a construction of the class described, the combination of: a shaft; a pair of brake wheels mounted on said shaft; a spooling drum supported between said

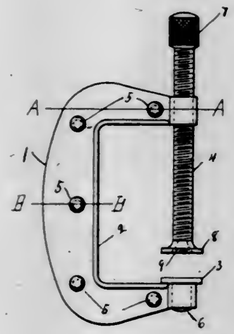
brake wheels; a shoulder formed on said shaft engaging one of said brake wheels; and a collar arranged to engage the other of said brake wheels, said shoulder and said collar arranged to prevent the spreading of said construction.

1,506,480. PUNCH. HANS GRADE, Bork, Germany. Filed Feb. 6, 1923. Serial No. 617,324. 3 Claims. (Cl. 164—124.)



3. A punch having a working face, a cutting edge on said punch coextensive with the face periphery, said face being a part of a cylindrical surface.

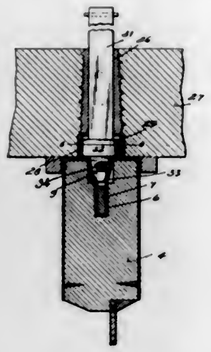
1,506,481. CRAMPING DEVICE. WALTER S. GRAFFAM, Shrewsbury, Mass. Filed Aug. 7, 1923. Serial No. 656,256. 1 Claim. (Cl. 144—304.)



In a cramping device shaped like the letter C, the combination of a frame made from a single piece of sheet metal, with a central opening having flanges drawn up around the sides of said central opening; the metal folded back upon itself so as to leave two cylindrical shaped openings the axes of which lie in the same straight line; the two halves of the folded metal held together as one piece by rivets or other commonly used methods; an anvil inserted into one of the cylindrical shaped openings; a screw threaded into the other of said cylindrical openings; a cupped washer attached loosely to the end of said screw; all substantially as described and set forth.

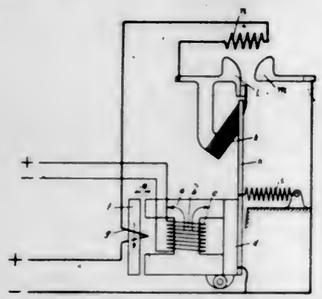
1,506,482. WINDOW GUARD. HIRAM C. GRAY, Bucyrus, Ohio. Filed Apr. 23, 1923. Serial No. 633,841. 2 Claims. (Cl. 20—71.)

1. The combination with a window frame, of a sash slidably associated therewith, bars slidable in the upper rail of the frame, ferrules carried by said upper rail, means carried by the bars for frictionally engaging the ferrules to hold said bars in elevated positions, and means



carried by one rail of the sash for detachably interlocking the sash with the bars to cause the bars to move at times with the sash.

1,506,483. EXCESS-CURRENT CUT-OUT. LEONHARD HAAG, Berlin-Zehlendorf, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 11, 1922. Serial No. 560,216. 4 Claims. (Cl. 200—94.)

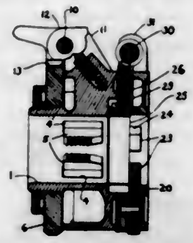


4. An interrupter for electric circuits comprising a switch member biased to the open position, an electromagnet having a shunt winding and a magnetic structure therefor having two poles, a magnetic movable member connected to the said switch member and cooperating with the said poles for holding the switch member in the closed position, a part of magnetic material disposed between the said poles and between the said magnetic movable member and the said winding and separated from the said magnetic structure by an air gap, and a coil energized responsively to the current through the switch disposed on the said part of magnetic material for reducing the flux through the said magnetic member to permit the switch member to open in accordance with its bias, the said part of magnetic material being normally in an unsaturated condition and so proportioned as to become saturated when the current in the said coil exceeds a predetermined value.

1,506,484. DIESTOCK. LOUIS F. HART, Cleveland, Ohio, assignor to The Hart Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 27, 1921. Serial No. 495,981. 3 Claims. (Cl. 10—122.)

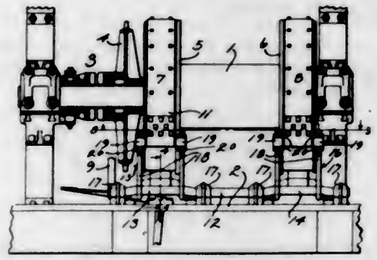
1. In mechanism of the character described, the combination with a main body-member and dies adjustably

held therein; of an annular member detachably secured to said body-member, radially adjustable guide blocks in said annular member, and a cam-plate for positioning



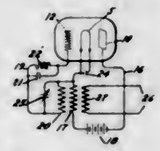
said blocks, said cam-plate being rotatably mounted on the face of said annular member designed to contact with said body-member so as to be held between said two members.

1,506,485. EQUALIZING DEVICE. ARTHUR J. HODGE, Lomita, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Feb. 8, 1923. Serial No. 617,675. 3 Claims. (Cl. 188—204.)



2. In an equalizing device, the combination of a pair of brake wheels mounted to rotate on the same axis, a brake-band corresponding to each wheel, an equalizing shaft extending longitudinally with respect to the axis of the wheels and having a crank connected with the tight end of one of the brake bands, a second crank on the shaft on the opposite side thereof connected with the tight end of the ober brake band and controlling means for tightening one of the brake bands, said shaft operating to produce an equalizing force in tightening the bands.

1,506,486. ELECTRIC OSCILLATOR. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 1, 1920. Serial No. 362,483. 2 Claims. (Cl. 250—36.)



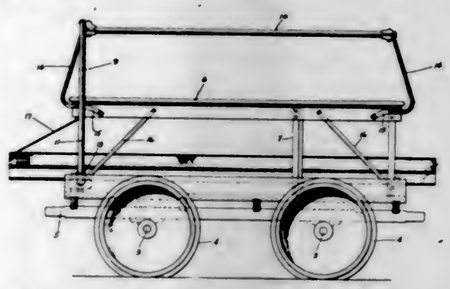
1. An apparatus for producing electrical oscillations comprising an electron discharge device having an anode, an electron emitting cathode and a discharge controlling member, said cathode being located between said anode and said discharge controlling member and being relatively closer to said anode, circuit connections between said cathode and anode and between said cathode and discharge controlling member, said circuit connections being coupled together to permit the production of oscillations, and means for maintaining said control member during the entire time that oscillations are being produced at a potential which varies between the potential of the cathode and a potential which is negative with respect to the cathode.

1,506,487. MEANS FOR LOCKING ELECTRIC-LIGHT-GLOBE ATTACHMENTS TO HOLDERS. ERIC WILLIAM HUTCHINGS, Miramar, Wellington, New Zealand. Filed Sept. 14, 1922. Serial No. 588,263. 3 Claims. (Cl. 173—356.)



1. In combination, a socket member provided with a fastening element, an electric light bulb having a cap member provided with a fastening element adapted to engage the fastening element of the socket member for connecting said members together, one of said members being provided with an abutment element, a locking sleeve adjustably mounted on the socket member and having its lower edge engaging said bulb for preventing any instrument from being inserted between the sleeve and the bulb, and a resilient locking element secured to said sleeve and engageable with said abutment element for preventing disengagement of the fastening elements from one another until said bulb is broken away from the cap member.

1,506,488. RAILWAY HAND CAR. WALTER F. KASPER, Fairmont, Minn., assignor to Fairmont Gas Engine & Railway Motor Car Company, Fairmont, Minn., a Corporation of Minnesota. Filed Nov. 7, 1921. Serial No. 513,489. Renewed Feb. 5, 1923. 10 Claims. (Cl. 105—162.)

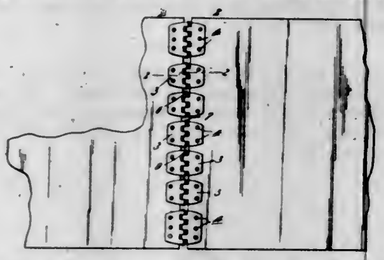


1. A railway hand car having a platform and supporting wheels and a hand rail arranged transversely of said platform, the lower portion of said rail being extended inwardly toward the middle portion of the car, thereby providing an unobstructed loading and unloading space between said rail and the car wheels.

1,506,489. BELT FASTENER. MARTIN KIEFER, Elmhurst, Ill. Filed Apr. 12, 1923. Serial No. 631,518. 1 Claim. (Cl. 24—33.)

A belt fastener including a plurality of hinged members connected with opposite ends of the belt for securing said ends together, the hinged connections of said members being arranged in axial alignment, the hinged

members connecting said belt intermediate the side edges being of uniform size and the end hinge members adja-



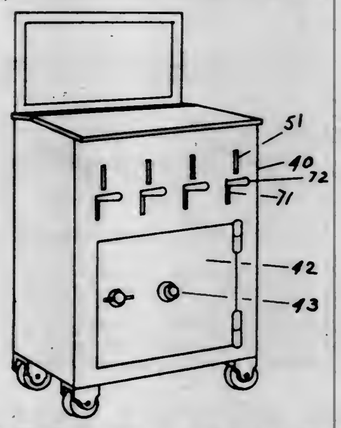
cent the side edges of the belt having increased connecting sections adapted to receive the increased stresses at the side edges of the belt.

1,506,490. AUTOMATIC TAKE-UP DEVICE FOR BRAKES. CLOYD LELAND KINDER and HAROLD D. COOPER, Denver, Colo., assignors, by direct and mesne assignments, to The A. C. Smith Manufacturing Company, a Corporation of Colorado. Filed Aug. 28, 1922. Serial No. 584,744. 3 Claims. (Cl. 188—196.)



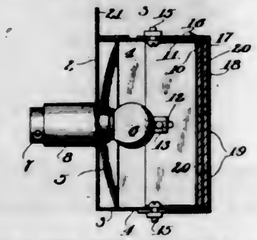
2. In combination a transmission band having lugs at each end thereof, an adjusting means associated with one of said lugs, said means comprising a member having a channel-shaped cross section, the flanges of which are adapted to fit the sides of the lug, an opening in the web of said member, a pawl pivoted thereto and a spring connected to said pawl and said web for moving said pawl about its pivot.

1,506,491. DEPOSIT-RECEIVING MACHINE. HAROLD B. KLINE, Utica, N. Y., assignor to National Automatic Teller Corporation, Utica, N. Y., a Corporation. Filed May 12, 1922. Serial No. 560,433. 40 Claims. (Cl. 234—1.)



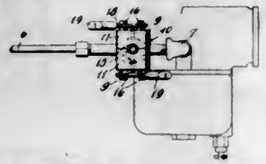
1. A machine for receiving deposits comprising a safety receptacle having an opening thereinto, a compartment over said opening for receiving an envelope having an outwardly extending tab, mechanism for impressing a character indicating the amount deposited to complete a receipt upon a part of said tab and mechanism for severing said receipted part from the envelope whereby said receipt may be withdrawn by the depositor while the envelope containing the money passes into the safety receptacle.

1,506,492. LICENSE PLATE AND HOLDER. MADS M. LARSEN, Colton, Calif. Filed Sept. 25, 1923. Serial No. 664,701. 4 Claims. (Cl. 40—132.)



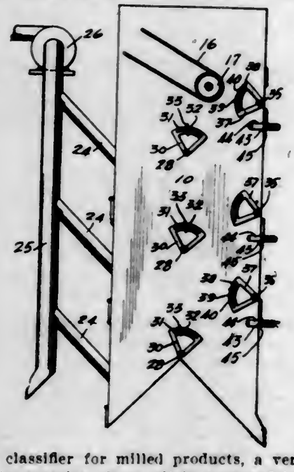
1. A license plate device comprising, in combination, a box, inner and outer supporting frames adjustably mounted upon the box and having inwardly extending flange portions, a license plate supported between the said flange portions, and means in the box for effecting an illumination of the license plate to render the characters thereon conspicuous.

1,506,493. AUTOMOBILE LOCK. WILLIAM F. LEVISON, Cleveland, Ohio. Filed Feb. 11, 1924. Serial No. 692,009. 6 Claims. (Cl. 251—6.)



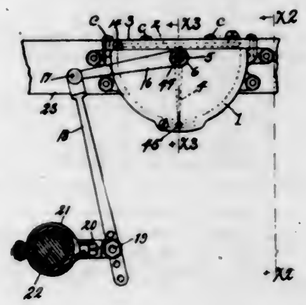
1. In an automobile lock, the combination of a valve arranged in the fuel supply line, a two-part housing for the valve, a pair of legs carried by each part of the housing, each part having openings, and said legs being adapted to be received in the openings and means to lock the legs in said openings.

1,506,494. CLASSIFIER FOR MILLED PRODUCTS. LYCURGUS LINDSAY, Los Angeles, Calif. Filed Oct. 6, 1921. Serial No. 505,774. 6 Claims. (Cl. 83—40.)



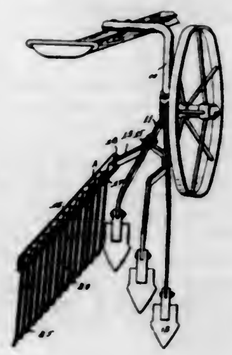
1. In a classifier for milled products, a vertically disposed chute, a series of oppositely arranged inclined partitions within said chute, which partitions divide the space within said chute into a series of chambers, means comprising separate educts and separate air inlets, one of these being adjustable for producing a suction of air through said chambers, and a pair of adjustable vanes located in the upper portion of some of the chambers.

1,506,495. SHOCK ABSORBER. THOMAS MACRAE, Florence, Ariz. Filed Sept. 27, 1921. Serial No. 503,560. 12 Claims. (Cl. 188—89.)



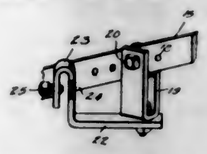
1. A shock absorber comprising a cylinder and piston operating therein, said cylinder being provided with by-pass bores of different lengths, said bores communicating with the chamber of the cylinder on opposite sides of the piston under ordinary conditions, said piston being adapted to pass a port of one of said bores when the shock absorber is subjected to greater shocks.

1,506,496. FENDER ATTACHMENT FOR CULTIVATORS. ABRAHAM F. MATTHEWS, Pocahontas, Iowa. Filed Mar. 12, 1923. Serial No. 624,400. 1 Claim. (Cl. 97—188.)



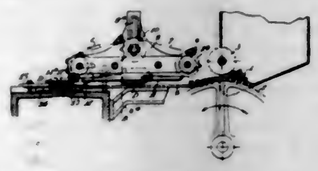
A pair of fender attachments for cultivators and the like, each comprising a channel iron frame fixed at one end to the gang of the cultivator and extended rearwardly therefrom, a plurality of inverted U-shaped members mounted in said frame at their connecting portion, said channel iron frame having a plurality of openings in one of its flanges through which the inverted U-shaped members are extended, the other flange of the channel iron frame being bent over the connecting portion of said inverted U-shaped members for anchoring them to said frame and the flange being bent over between the inverted U-shaped members as specified.

1,506,497. DISK SHARPENER. CLARENCE E. MEYER, near Van Meter, Iowa. Filed Jan. 9, 1924. Serial No. 685,156. 1 Claim. (Cl. 76—85.)



In a disk sharpener, a lever, a sharpener blade secured to one end thereof, a U-shaped yoke having its arms pivoted to said lever, a bar pivoted to the central portion of said yoke, a channel-shaped bracket on said bar offset therefrom and opening substantially at right angles thereto.

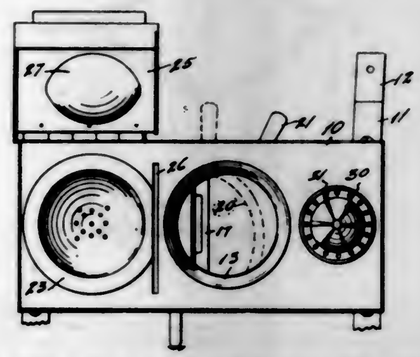
1,506,498. APPARATUS FOR FEEDING AND COLLATING CIGARETTES AND OTHER SMALL ARTICLES. WALTER EVERETT MOLINS, London, England. Filed Aug. 20, 1923. Serial No. 658,470. 8 Claims. (Cl. 226—5.)



1. In apparatus for feeding articles such as cigarettes and in combination a hopper, a moving conveyor adjacent to the discharge opening of the hopper, a plate having forked ends engaging grooves in the moving conveyor, a second moving conveyor arranged above the plate and projections on the second conveyor adapted to engage articles passed from the hopper to the plate.

8. In apparatus for feeding articles such as cigarettes in combination a hopper, a moving conveyor adjacent to the discharge opening of said hopper, said conveyor being provided with circumferential grooves, means engaging in said grooves for removing articles from said conveyor, a second moving conveyor arranged above said means and projections on said second conveyor adapted to engage articles removed from said hopper.

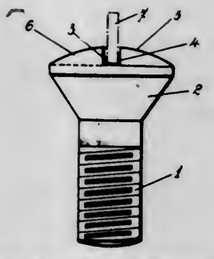
1,506,499. FRUIT CUTTER. HENRY M. PITMAN, Dallas, Tex. Filed Aug. 31, 1922. Serial No. 585,405. 2 Claims. (Cl. 146—3.)



1. In a device of the character described, the combination of an elevated support, a flanged opening in said support, a keeper on said flange, a fruit severing knife

removably mounted in said keeper and having a blade extending across said opening, a gauge arm mounted on said flange and adapted to swing into said flanged opening for supporting fruit of various sizes.

1,506,500. SAFETY SCREW. ETTORE RIPAMONTI and ENRICO PEIRANO, Milan, Italy. Filed July 23, 1920. Serial No. 398,600. 1 Claim. (Cl. 85—45.)



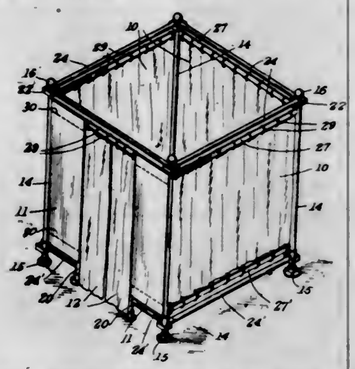
A screw having a head circular in cross-section and provided with a flat upper surface extending diametrically entirely across the head and having its intermediate portion enlarged to form a circular area, a plurality of semi-annular segments arranged on opposite sides of said flat surface, forming part of the head and having their centers coaxial with the axis of the screw, each of said segments having a substantially vertical end wall extending radially from the axis of the screw, the upper face of each segment being inclined gradually downwardly from its own end wall to said flat surface.

1,506,501. BEVERAGE. LEO FREDERICK RETTGER and HARRY ASHER CHEPLIN, New Haven, Conn. Filed Dec. 17, 1921. Serial No. 523,021. 4 Claims. (Cl. 99—11.)

2. As a new product, *acidophilus* milk, of cream like consistency.

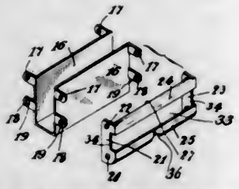
3. The method of producing a sour milk product which comprises inoculating milk with strains of *Bacillus acidophilus* which develop rapidly therein, and permitting such strains to develop until coagulation of casein takes place.

1,506,502. SECTIONAL BOOTH. ALOIS J. RHEINBERGER, New York, N. Y. Filed Nov. 8, 1922. Serial No. 599,618. 4 Claims. (Cl. 20—3.)



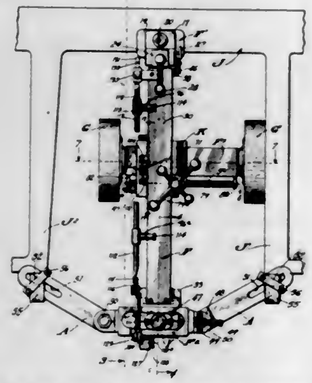
1. A booth comprising a plurality of tubular uprights having removable caps, transverse tubular beams removably engaged with said uprights, rectangular bars interengaged with said uprights, said bars being spaced in parallel adjacently below said tubes, and textile fabrics adjustably suspended from said bars to form the walls of the booth.

1,506,503. MATCH HOLDER. SAMUEL ROBERT, New York, N. Y. Filed Dec. 11, 1923. Serial No. 679,969. 11 Claims. (Cl. 206—20.)



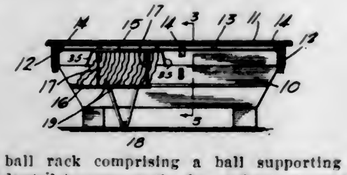
1. A match book holder comprising a supporting member, and a holding member normally parallel with the supporting member and pivotally mounted upon one side of the supporting member for swinging movement with respect thereto, said holding member constructed to receive the stub end of a match book and support and retain the same against one side of said supporting member to prevent the bodily removal of said book, when the holding member is parallel with the supporting member.

1,506,504. MACHINE FOR FINISHING JOURNAL FRAMES. JOSEPH B. RUATTI, Los Angeles, Calif. Filed Dec. 14, 1921. Serial No. 522,393. 11 Claims. (Cl. 51—249.)



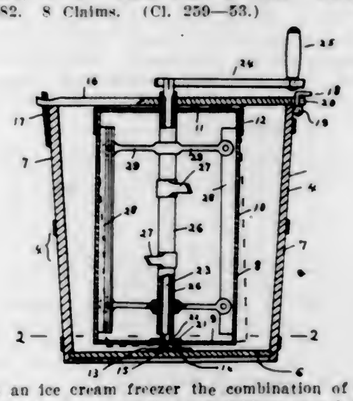
1. A grinding machine comprising a frame, a carriage movable vertically on the frame, grinding elements sustained on the carriage, means carried by the frame for continuously rotating the grinding elements irrespective of the position of the carriage, feeding means for effecting a lateral adjustment of the grinding elements, and means for moving said carriage first in one direction and then the other on said frame, both of the last mentioned means being controllable by the movement of the carriage.

1,506,505. MOVABLE BALL RACK FOR POCKET-BILLIARD TABLES. PAUL J. SAXER, Los Angeles, Calif. Filed Oct. 6, 1921. Serial No. 505,780. 19 Claims. (Cl. 46—12.)



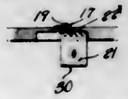
1. A ball rack comprising a ball supporting frame, means adapted to support the frame for horizontal movement upon a table, and means for connecting the frame to said means to permit of the frame being swung upwardly in overlying position with respect to the table to discharge the balls in the frame on the table.

1,506,506. ICE-CREAM FREEZER. NET F. SHARP, Mohawk, N. Y. Filed June 5, 1923. Serial No. 643,582. 8 Claims. (Cl. 259—53.)



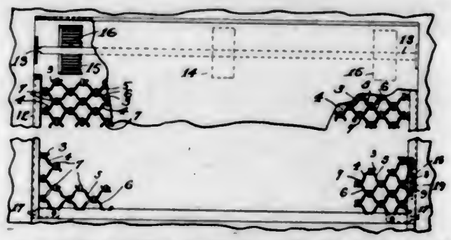
1. In an ice cream freezer the combination of an ice receptacle, a cream container revolubly mounted in said ice receptable with the axis of rotation of said container eccentric of said container, means for rotating said container, dashers within said cream container and means for securing relative movement between said dashers and said cream container.

1,506,507. FRET-LOCK SYSTEM. CHARLES H. SIEGMUND, Milwaukee, Wis. Filed Sept. 6, 1922. Serial No. 586,428. 8 Claims. (Cl. 84—315.)



1. In a musical instrument, the combination of a neck, a string, a movable fret normally lying flat on the finger board, and manually operable means for rocking said movable fret in contact with said spring.

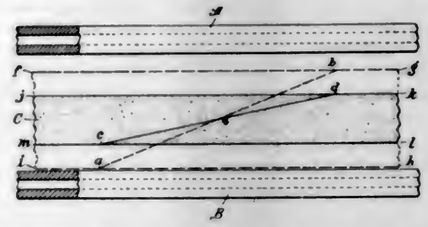
1,506,508. ROLLING DOOR. FELIX L. STERCHELE, New York, N. Y. Filed Sept. 5, 1922. Serial No. 586,094. 4 Claims. (Cl. 189—56.)



1. A lattice rolling door composed of a series of lateral rods, each rod bent in the plane of the door alternately in opposite directions in the form of a sinusoid, links connecting adjacent portions of the rods so that each rod is hinged to the next rod above it and also below it in a staggered relation across the door, a block fast to each end of the rods and means to pivot the blocks together.

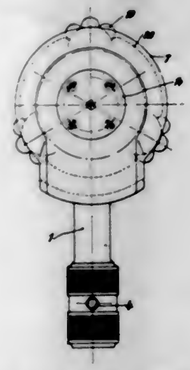
1,506,509. METHOD OF JOINING PULPBOARD. DANIEL MANSON SUTHERLAND, Jr., Trenton, N. J., assignor to The Agasote Millboard Co., Ewing Township, Mercer County, N. J., a Corporation of New Jersey. Filed Oct. 7, 1919. Serial No. 329,123. 4 Claims. (Cl. 154—42.)

1. In the art of making pulp board that improvement which includes overlapping two edges of portions of substantially uncompressed spongy, and therefore incomplete, pulp board, applying a layer of a suitable cement between said two edges and then subjecting such edges to the action of a hot press so as to provide both heat



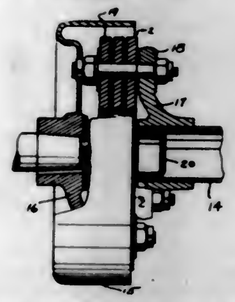
and pressure sufficient materially to decrease the thickness of, and thus to compact, such portions into completed pulp board while simultaneously joining such portions.

1,506,510. APPARATUS FOR SKINNING ANIMALS. JULES URBAIN THUAU, Paris, France, assignor to Societe Industrielle de Depouille Mecanique des Animaux, Paris, France. Filed June 7, 1923. Serial No. 643,875. 1 Claim. (Cl. 17—22.)



A motor driven skinning tool comprising a handle and a smooth substantially circular rotating disc having non-cutting projections along its periphery, and adapted to set up no currents of air when rotating.

1,506,511. METHOD AND MEANS FOR FASTENING PARTS. HIRAM L. WALKER, Cleveland, Ohio, assignor to Chandler Motor Car Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 28, 1923. Serial No. 628,256. 6 Claims. (Cl. 113—112.)



1. In the art of welding to produce a unitary structure, the method of welding a tubular member to a solid member provided with notches having spaced apart

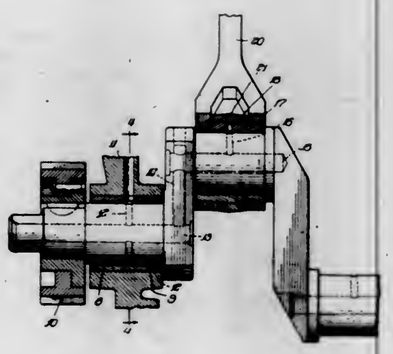
walls which consists in reinforcing the joint by means of an annular metal ring placed on the side of the tubular member opposite the solid member, then directing the welding arc to fuse the metal of the tubular member and portions of the solid member and the reinforcing ring to form a seam, said seam being formed in an irregular line corresponding with the outlines of said notches.

1,506,512. SEAL PRESS. HERMAN H. WENTHE, Chicago, Ill., assignor to Meyer & Wenthe, Chicago, Ill., a Copartnership consisting of Gustave A. Meyer and Herman H. Wenthe. Filed July 23, 1923. Serial No. 653,126. 5 Claims. (Cl. 101—3.)



1. In a seal press, a body having spaced horizontal upper and lower arms, a die on the lower arm, the upper arm having a vertical bore and a chamber extending laterally from the bore, a die-carrying plunger slidable in the bore, a finger fixed to the plunger and extending within the chamber, a lever for operating the plunger, and a spring carried in its entirety by the upper arm and disposed within the chamber and engaged with and between the finger and the bottom wall of the chamber.

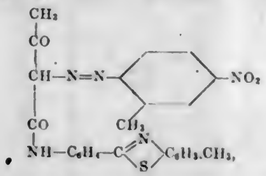
1,506,513. BEARING LUBRICATION. CHILDE HAROLD WILLS, Marysville, Mich. Filed Dec. 20, 1920. Serial No. 431,806. 16 Claims. (Cl. 64—24.)



3. A bearing adapted to be associated with a rotating shaft, an oil duct in the shaft opening to the bearing, and an oil duct in the bearing adapted to coact with the shaft duct, the axis of the bearing duct being upon a chord of the shaft.

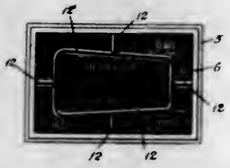
1,506,514. AZODYESTUFFS INSOLUBLE IN WATER AND PROCESS OF MAKING SAME. ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignor to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Apr. 14, 1923. Serial No. 632,136. 12 Claims. (Cl. 260—86.)

10. As new product the azodyestuff, insoluble in water, of the type:



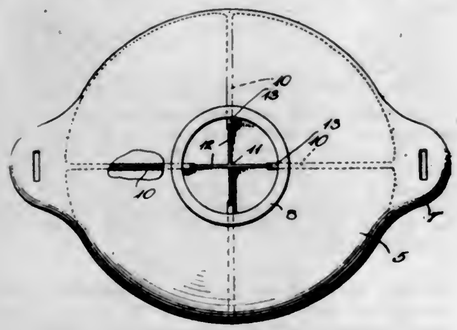
which dyestuff is, when dry an orange powder, soluble in sulfuric acid to a yellow solution, which can be used for the production of vaulable pigment colors and gives, when produced on the fiber, reddish yellow shades of an excellent fastness to washing.

1,506,515. APPARATUS FOR THE MANUFACTURE OF PULPBOARDS. JOHN CORMIE, Ewing Township, Mercer County, N. J., assignor to Agasote Millboard Co., Trenton, N. J., a Corporation of New Jersey. Filed Nov. 2, 1922. Serial No. 598,518. 3 Claims. (Cl. 92—61.)



1. In apparatus for the manufacture of pulp boards, a mold adapted to receive liquid-containing pulp, means for expelling liquid from said pulp, and means removably positioned in said mold for weakening the pulp board therein coincidentally with the expression of the liquid, along predetermined lines without however severing the pulp board, to permit sections thereof to be subsequently readily removed and returned to the pulp supply, substantially as and for the purpose described.

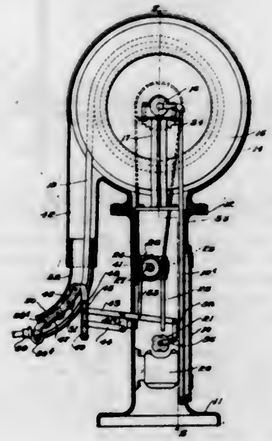
1,506,516. ICE CAP. LEON A. CRAIG, Cambridge, Ohio. Filed Mar. 19, 1923. Serial No. 626,123. 6 Claims. (Cl. 150—1.)



4. An ice cap composed of flexible rubber top and bottom walls having a plurality of radial partition walls having their edges connected with the top and bottom walls of the cap and intersecting each other so as to

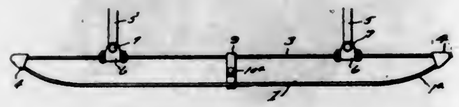
divide the bag into a plurality of non-communicating compartments, said top wall having a filling mouth, the partitions intersecting each other under said mouth so that access to any or all of said compartments can be had through said mouth, said partitions comprising inner and outer portions, and the inner portions of the partitions being of a size adapted to be inserted through said mouth.

1,506,517. AUTOMATIC HOSE REEL. ANTONE. DOWBELIO, Crockett, Calif. Filed Feb. 11, 1924. Serial No. 691,979. 5 Claims. (Cl. 242—86.)



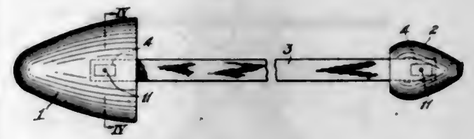
1. An automatic hose reel comprising a frame, a drum rotatably supported thereby, a hose reeled on said drum, a driving motor carried by the frame and operatively connected to said drum for driving the same in a direction tending to reel said hose on the drum, a normally open switch in the circuit of said motor, a movable hose guide through which the hose is led, said hose guide being adapted to be operated by said hose, said hose guide being operatively connected to said switch whereby successive movements of the hose guide in one direction caused by tension being placed on the hose will successively close and open said switch.

1,506,518. BUMPER. WAYNE E. DUNSTON, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 23, 1922. Serial No. 602,688. 8 Claims. (Cl. 292—55.)



1. A clamping device for securing together the vertically spaced impact bars and the intermediate and laterally spaced auxiliary bar of a bumper, said device comprising a member having upper and lower seating portions, for the adjacent edges of the main bars, a pair of members each having a portion adapted to engage an impact bar and form a seat therefor with the cooperating seating portion of the first member, each of the last two members also having a seat for an edge of the intermediate auxiliary bar, and means intermediate of the ends of the last two members for adjusting the same toward each other.

1,506,519. SHOE-TREE. WILLIAM R. ENGLAND, Galion, Ohio. Filed Aug. 13, 1921. Serial No. 491,929. 2 Claims. (Cl. 12—128.6.)



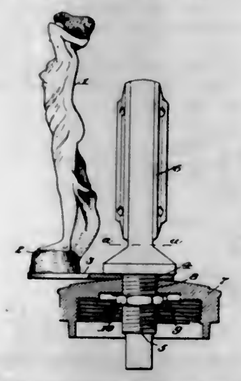
1. In a shoe tree, the combination of a wooden toe and wooden heel form; a flat elastic steel band having its end portions rigidly embedded in said forms respectively, said end portions being each provided with a hole; and a nail driven into each of said forms and passing through said holes respectively.

1,506,520. CLAMPING MEANS. ALFRED L. EUSTICE, Chicago, Ill. Filed May 10, 1922. Serial No. 559,763. 10 Claims. (Cl. 24—19.)



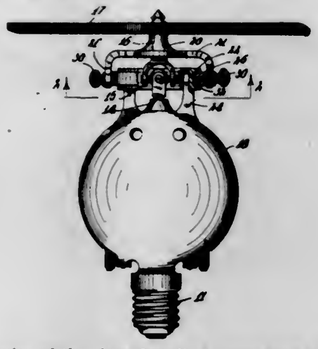
2. A clamping member comprising an elongated band having an upturned end portion and a hole adjacent to said end portion, said band also having a reduced end portion at the other end thereof, said reduced end portion being adapted to extend through said hole to form an enclosure, said band being provided with outwardly extending catch members, bolt means cooperating with said upturned end portion and a nut engaging one of said catch members to draw said clamping member to clamping position.

1,506,521. MOUNTING FOR AUTOMOBILE ORNAMENTS. IRVING FLORMAN, New York, N. Y. Original application filed Mar. 12, 1923. Serial No. 624,675. Divided and this application filed Feb. 9, 1924. Serial No. 691,856. 5 Claims. (Cl. 248—20.)



1. A mounting for an automobile ornament comprising a shock absorber made of a plate of resilient material, means whereby the ornament may be rigidly secured to said shock absorber, and means whereby said shock absorber may be secured between the radiator cap and a temperature indicating device of an automobile.

1,506,522. PORTABLE ELECTRIC FAN. HENRY GANSEL, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,757. 4 Claims. (Cl. 230—1.)



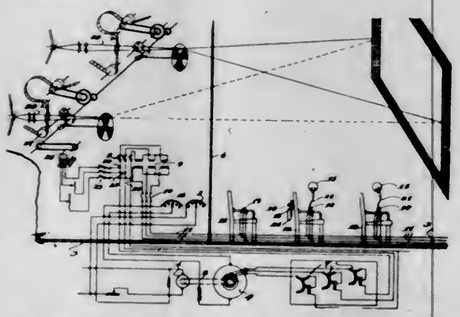
1. A device of the class described comprising an electric motor having rigid therewith a plug adapted for connection to a light socket, a fan driven by the rotor of the said motor, and a universal joint connection between the fan shaft and the rotor shaft, and a support for the fan shaft adapted to hold the latter at varying angles with respect to the rotor shaft, said support comprising a bracket in which the fan shaft is journaled, a ring rotatable on the motor, a pair of diametrically opposed arms projecting rigidly from said bracket and pivotally connected at their ends with said ring, and means for rigidly attaching said arms to said ring.

1,506,523. PUTTER-CLUB HANDLE. ALEXANDER HUNTLY GORDON, Fontainebleau, France. Filed Sept. 27, 1921. Serial No. 503,605. 2 Claims. (Cl. 46—4.)



1. An improved putter consisting of a putter head and a handle, said handle comprising a shaft having its upper portion terminating in an enlarged substantially rectangular grip portion, having the edges thereof slightly rounded, one of the flat faces of said rectangular grip portion being located in a plane perpendicular to the plane of the striking face of the putter head and being provided with a longitudinally extending open groove in which the thumbs of the player may be longitudinally inserted to steady the club and prevent shifting or deviation thereof while the player is stroking the ball.

1,506,524. STEREOSCOPIC MOTION-PICTURE DEVICE. LAURENS HAMMOND, New York, N. Y., assignor to The Teleview Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1922. Serial No. 564,406. 8 Claims. (Cl. 88—16.6.)



1. In connection with a process of exhibiting motion pictures with stereoscopic effect wherein each spectator is provided with an electrically operated viewing instrument, in combination, projection apparatus adapted to project each picture in the movement series alternately and more than once, individual viewing instruments for each spectator through which such spectator may view the projected pictures with resulting stereoscopic effect, and an alternating current generator the current of which operates said apparatus and instruments in timed relationship.

1,506,525. BED. ANDRÁS HEGEDÜS, Selby, S. Dak. Filed May 21, 1923. Serial No. 640,319. 3 Claims. (Cl. 5—62.)



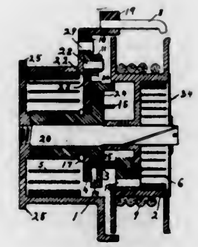
1. In combination, a main bed frame, an auxiliary frame, pivoted at one end to said main frame, and means for adjusting the opposite end of said auxiliary frame vertically, said means comprising gear sectors fixed to the main frame, a transverse shaft carried by the auxiliary frame, and gears on said transverse shaft engaging said fixed gear sectors, and ratchet and pawl means for locking said shaft, said ratchet and pawl means comprising a pawl mounted upon said auxiliary frame, and a ratchet barrel slidable along said shaft and adapted to effect operative engagement and disengagement with said pawl by sliding movement along said shaft.

1,506,526. MANIKIN TOY. IWAN HORNASTAJ, Cleveland, Ohio. Filed Nov. 2, 1922. Serial No. 598,492. 1 Claim. (Cl. 46—45.)



A mechanical toy comprising a wagon, a movable manikin thereon, a tension spring connected at one end to said wagon and at its other end to the manikin and adapted to move the manikin in one direction, a running wheel, an axle on which said wheel is freely mounted, a disk also freely mounted on said axle adjacent said wheel, a bar connected at one end to said disk eccentrically thereof and at its opposite end to said manikin whereby during rotation of said disk said manikin is moved in an opposite direction to that in which it is moved by the said spring, a pin projecting from said disk, and a pair of arcuately spaced pins on said wheel between which the first mentioned pin projects.

1,506,527. TROLLEY RETRIEVER. ARTHUR J. HOULE, Holyoke, Mass. Filed Jan. 22, 1924. Serial No. 687,833. 16 Claims. (Cl. 191—93.)



1. A rotary retriever member adapted to be limited in its rotation in both directions being provided with a concentrical guide with an engaging tooth therein to normally hold the free end of a dog toward the center of revolution when normally held with said tooth in an upwardly position and permit a dog to drop into engagement with said tooth when rotated to a predetermined different position.

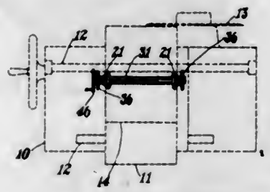
1,506,528. PROCESS AND APPARATUS FOR TREATING FOODS. FREDERICK A. HOYER, Reedley, Calif. Filed Nov. 25, 1922. Serial No. 603,293. 15 Claims. (Cl. 99—5.)



1. The provess of treating foods such as fruit and the like, which consists in placing segregated portions of the food and its surrounding liquid directly upon a heated surface, and moving these portions over the heated surface.

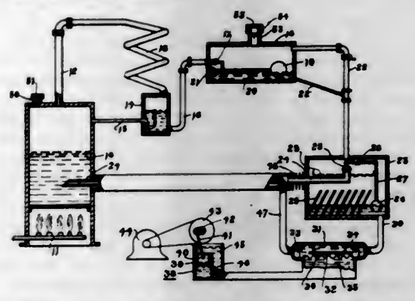
4. A container, means for heating a surface of the container, a compartment having an apertured bottom for segregating material to be treated, and means for sliding the compartment on the surface of the heated container.

1,506,529. ATTACHMENT FOR MEAT-SLICING MACHINES. JAN JAROSZ, Lowell, Mass. Filed May 6, 1924. Serial No. 711,326. 5 Claims. (Cl. 146—27.)



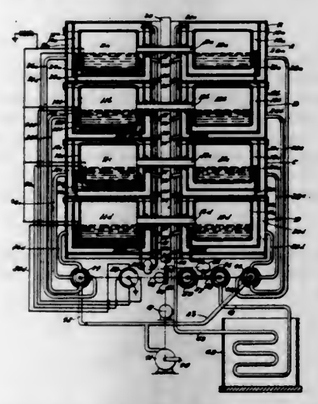
1. In a meat slicing machine, a meat gripping attachment comprising a frame, a fixed jaw element thereon, a screwshaft mounted in said frame, and a nut threaded on said shaft and having a projecting jaw thereon which cooperates with the said fixed jaw, a second fixed jaw element on said frame, a clamping bar mounted on said frame to move at right angles to the said movable jaw, and toward and away from said second fixed jaw, and releasable means forming an operative connection between said clamping bar and the said screw-shaft.

1,506,530. REFRIGERATOR. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1921. Serial No. 442,497. 6 Claims. (Cl. 62—119.)



2. The process of refrigeration which comprises applying heat to a strong caustic solution in a container, whereby water vapor is driven off, condensing the water vapor, returning to the container any excess of condensate, expanding the condensed vapor by spraying into a region of low absolute pressure, withdrawing a portion of the strong caustic solution into a separate vessel, cooling the solution withdrawn during its withdrawal, absorbing the expanded vapor in the cooled caustic solution, returning the weakened solution to the original container and heating the weakened solution during its return passage, the cooling of the strong solution and the heating of the weakening solution being effected by a counter flow heat exchange between the fluids.

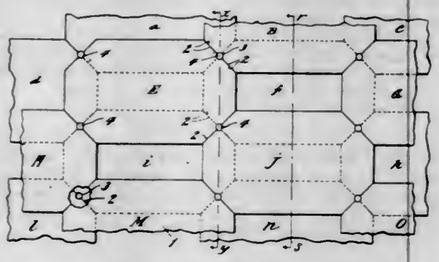
1,506,531. REFRIGERATION APPARATUS. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 12, 1921. Serial No. 521,871. 3 Claims. (Cl. 62—5.)



1. In combination in a refrigerating apparatus, a plurality of hollow dumb-bells, each hollow dumb-bell having a still-absorber chamber and an evaporator-absorber chamber adapted to contain a refrigerant and an absorbent and connected by a conduit above the normal level of the contents of said chambers, a double-walled receptacle in which each still-absorber chamber is inclosed and which forms an inner compartment and an outer compartment, means connecting the several inner compartments for the circulation of a heat-conveying medium successively therethrough in a closed circulating system, a heating means in each inner compartment, means for filling and emptying the outer compartments with a cooling medium, means for successively energizing the heating means in

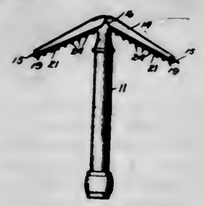
the several inner compartments, means for controlling the flow of the heat-conveying medium in such manner that the same portion of the said medium is contained within any inner compartment during a heating period therein, thereby producing in the heat-conveying medium a zone of highly heated medium and zone of relatively cool medium, means for passing a cooling medium through each outer compartment during the period in which the relatively cool heat-conveying medium is being circulated through the corresponding inner compartment, thereby increasing the temperature difference between the hot and cool zones of the heat-conveying medium means for continuously circulating a refrigerating agent in successive heat-exchanging relations to the evaporator-absorbers, means for controlling the flow of refrigerating fluid in such manner that the same portion of the fluid is brought into heat-exchanging relation contact with each evaporator-absorber during periods corresponding to the periods in which the zones of high heated and relatively cool heat-conveying mediums traverse the inner compartments in which an associated still-absorber is located, whereby a certain portion of the refrigerating fluid is successively reduced in temperature.

1,506,532. SHEET CONSTRUCTION AND METHOD OF MAKING SAME. JOHANNES KJEKSTAD, New York, N. Y. Filed Nov. 29, 1921. Serial No. 518,783. 5 Claims. (Cl. 78—54.)



1. In a sheet formed of connected plates, a plurality of plates arranged in the same plane in staggered relation to one another with their abutting edges overrunning one another and with the aligned plates spaced apart to form staggered openings, and additional plates disposed over the staggered openings between the staggered plates and secured thereto with their edges overlapping the first mentioned staggered plates and with their edges abutting and overrunning with one another.

1,506,533. SAFETY RAZOR. CHARLES KLECKA, Astoria, N. Y. Filed June 20, 1921. Serial No. 478,858. 3 Claims. (Cl. 30—12.)



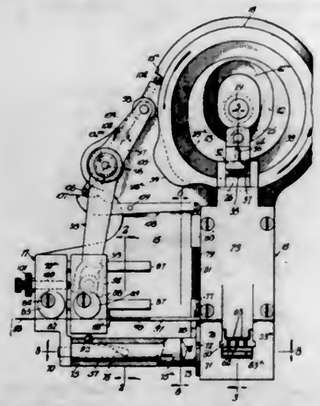
1. In a safety razor, a bed plate having its opposite portions extending in downwardly diverging relation, a cutting blade bendable transverse on the median line thereof and adapted to be positioned on the under side of said bed plate, a guard plate adapted to be positioned beneath said cutting blade, means carried by said bed plate and adapted to engage said cutting blade and said guard plate at the opposite ends thereof to retain the same in fixed superposed relation, and a handle detachably connecting said bed plate for retaining the same, said cutting blade and said guard plate in operative relation.

1,506,534. GLASS SCRAPER. JOSEPH S. KNIGHT, Buffalo, N. Y. Filed Jan. 31, 1923. Serial No. 616,134. 1 Claim. (Cl. 195—97.)



A scraper comprising a spring barrel split lengthwise at one side and having spaced apart longitudinal openings in its opposite side, a pair of jaw members having outer end portions adapted to fit between the edges of said spring barrel and normally urged together thereby into parallelism, one of said end portions having a recess therein intersecting the split and the other one of said end portions having a depression therein to provide a projection at one side adapted to enter said recess of the first end portion and a cavity at its other side, said barrel having a locking lug at one edge of the split adapted to enter said cavity and lock the jaw members to the barrel, said jaw members having diverging handles on their inner ends extending through said longitudinal openings in the barrel and being offset outwardly from each other within said barrel to maintain said outer end portions substantially in parallelism at all adjustments, and a blade removably fitting between said outer end portions of the jaw members and having a recess therein for receiving said projection to lock the blade between the jaws.

1,506,535. AUTOMATIC MACHINE FOR MAKING AND APPLYING METALLIC BINDING CLIPS TO WEBBING. FRANK J. KOTZICH, Chicago, Ill. Filed Apr. 20, 1922. Serial No. 555,792. 20 Claims. (Cl. 153—1.)



1. In a machine of the kind described, an intermittently rotative anvil member, means providing a V-shaped forming pocket in said anvil member extending parallel to its rotative axis, said means consisting of a fixed wing part and of a folding wing part, blank cutting dies and a forming die associated with said anvil in one position of said forming-pocket, a punching member associated with said anvil at another position of said forming-pocket, spaced from the first position, said punching member being adapted to operatively engage the folding wing of said forming pocket, means for intermittently feeding a continuous blank forming strip to said blank cutting dies and for rotating said anvil member, and means for actuating said cutting and forming dies and said punching member in proper timed relation.

1,506,536. ATTACHMENT FOR SHOE-SOLE-STITCHING MACHINES. ALESSANDRO LALLI, Berwyn, Pa. Filed Feb. 19, 1923. Serial No. 619,856. 5 Claims. (Cl. 112—40.)

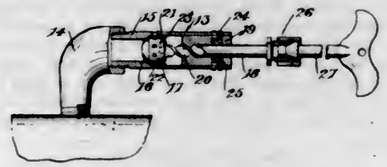


1. In a shoe sole stitching machine, an awl and a needle, a wall element extending from front toward the rear of the machine, an arm projecting from said wall element into the patch of said awl and needle, and a guard plate secured both to said wall element and to said arm, the means for securing the said guard plate to said arm comprising a U-atrap straddling the arm and secured at its ends to the said guard plate.

1,506,537. PROCESS OF PURIFYING GRAPHITE. MAX LANGHEINRICH, Munich, Germany, assignor to Graphitwerk Kropfmühl A. G., Munich, Bavaria, Germany. Filed Aug. 24, 1921. Serial No. 494,871. 1 Claim. (Cl. 204—65.)

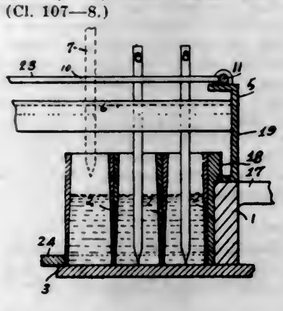
A process of purifying graphite by electric-current-heating in which the graphite is mixed with coal and heated to temperatures of more than 2200 degrees Celsius, the gangue connected with the graphite being at the same time subjected to sublimation, individually separating the sublimating-compounds at different temperatures, and the further treating each of the said substances separately.

1,506,538. AUXILIARY AIR VALVE. ALBERT E. LEGGETT, Santa Rosa, Calif. Filed June 8, 1921. Serial No. 475, 904. 1 Claim. (Cl. 251—43.)



In a device of the character described comprising a tubular casing having lengths of different internal diameters whereby a valve seat will be formed at the juncture thereof, a valve plunger normally positioned upon said valve seat; a plurality of perforations through the side wall of the casing adjacent said plunger and opposite the eduction end of the casing; a nut in the outer end of the casing; a quick acting valve stem extending through said nut; means for rotating the same; and friction members carried by the nut to engage the circumference of the stem; and screws simultaneously holding the nut in position relative to the casing and exerting a desired pressure upon the friction members.

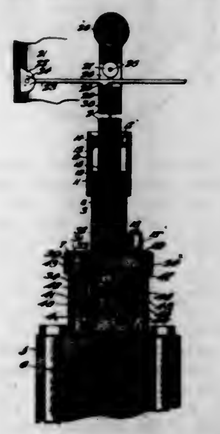
1,506,539. CANDY-MAKING MACHINE. LESTER MCCOY, Council Bluffs, Iowa, and GORDON WITZKE, Denver, Colo. Filed July 22, 1922. Serial No. 576,806. 4 Claims. (Cl. 107—8.)



1. A candy making machine comprising a batch frame, said frame being open top and bottom; a mold frame carrying a plurality of molds adapted to set into said batch frame and a stick carrying frame arranged to be placed upon said batch frame and register a stick over the center of each of the molds in said mold frame, said stick carrying frame having means for holding said sticks suspended over said molds, said means being arranged to simultaneously release all of said sticks in said stick carrying frame.

2. A candy making machine comprising a batch frame, said frame being open top and bottom; a mold frame carrying a plurality of molds adapted to set into said batch frame and a stick carrying frame arranged to be placed upon said batch frame and register a stick over the center of each of the molds in said mold frame, said stick carrying frame having means for holding said sticks suspended over said molds, said means comprising end members slidably mounted on said stick carrying frame, cross members secured to said end members, each cross member being arranged to engage the side of a row of sticks; a spring acting on said members to hold said cross members in contact with said sticks, and a handle on each of said end members for manually drawing said cross members away from said sticks.

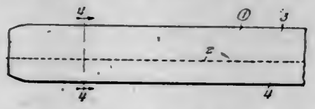
1,506,540. COMPENSATING CONNECTING ROD FOR INTERNAL-COMBUSTION ENGINES. TAYLOR MATSON, Philadelphia, Pa. Filed July 27, 1923. Serial No. 654,084. 10 Claims. (Cl. 123—78.)



5. In a device of the character stated, an engine piston, a cylinder therefor, a crank shaft, and a compensating extensible connecting rod, interposed between said piston and crank shaft, said rod being composed of

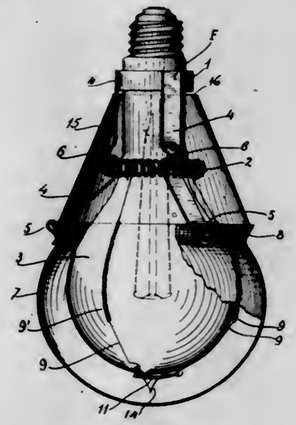
telescoping tubular upper and lower members, said upper member telescoping within said lower member and serving as a hollow piston rod, a compensating piston attached to said piston rod, a cylinder for said compensating piston carried by said lower member and secured to said crank shaft, a pair of centrally located valves carried by said compensating piston, the upper of said valves seating upwardly and the lower of said valves seating downwardly, a valve stem for said upper valve, cam actuated devices controlled by the piston for unseating said upper valve, means for varying the spring tension on the lower valve according to the compression desired, and a third spring pressed upwardly seating valve carried by said compensating piston.

1,506,541. MANUFACTURE OF SAUSAGE CASINGS. SOLOMON MAY, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,439. 5 Claims. (Cl. 17—45.)



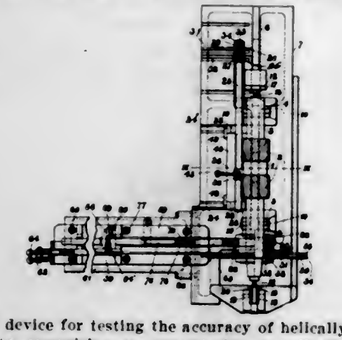
1. The method of providing casings of predetermined cross-sectional dimensions consisting of providing a casing of larger cross-sectional dimension, stitching same longitudinally and severing the elongated receptacles provided by said stitching.

1,506,542. GLOBE BRACKET FOR INCANDESCENT LAMPS. HARRY J. MAYNARD, Yonkers, N. Y. Filed Feb. 21, 1922. Serial No. 538,257. 6 Claims. (Cl. 240—125.)



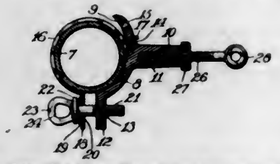
1. A light diffusing device for electric lamps, said device comprising a globe; a reflector: means comprising a band around the upper end of the neck of the lamp and a plurality of arms secured at their upper ends to said band and extending in the line of the neck for substantially the length of the neck, the arms having means engaging the sides of the lamp at the lower end of the neck for supporting said means on the lamp and maintaining said band and the upper portions of the arms spaced away from the sides of the neck, the arms below said engaging means being bent outwardly and provided at their free ends with means for engaging the upper edge of the globe and the lower edge of the reflector for supporting the globe and reflector around the lower portion and neck of the lamp in positions spaced away from the sides of the lamp; and resilient means for retaining in engagement with the sides of the lamp, said means engaging the sides of the lamp at the lower end of the neck.

1,506,543. TESTING DEVICE FOR MEASURING THE TEETH OF HELICALLY-TOOTHED ELEMENTS. HOLBERRY MENSFORTH, Bowdon, and FREDERICK ARTHUR COWELL, Sale, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 20, 1921. Srial No. 471,291. 20 Claims. (Cl. 33—199.)



2. A device for testing the accuracy of helically-toothed elements comprising a support for a helically-toothed element, a member movable parallel to the element axis, a tooth contactor or feeler movable with respect to said member, an indicator connected to the contactor or feeler, means for setting the member in a predetermined position, and means for adjusting the toothed element angularly until the indicator gives a desired reading.

1,506,544. GUIDE FOR TANK-FLUSHING VALVES. CLAUD J. MICK, Indianapolis, Ind. Filed May 20, 1921. Serial No. 471,205. 1 Claim. (Cl. 4—57.)

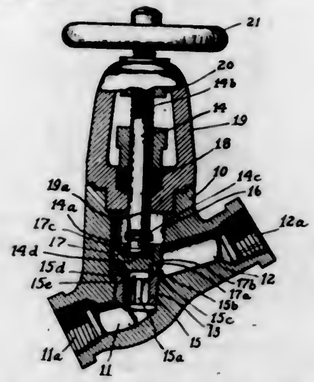


The herein-described appliance consisting of a curved segmental guide base member having a concavely curved seat portion and also a relatively shorter lock portion extending from one end of the seat portion, the seat portion extending to the opposite end of the base member and being nonelastic to insure a solid bearing against a stand-pipe, the convex side of the base member having a guide stem member fixed thereon adjacent to the middle of the length thereof, said lock portion having separate apertures therein, a screw-threaded ear fixed to said base member at said opposite end of said seat portion, a curved flexible clamp section to embrace a portion of the stand-pipe and having such length as to extend between the stand-pipe and said lock portion to variably extend said seat portion lengthwise, a lug fixed on one end of said clamp section to enter one of said apertures, an ear fixed to said clamp section opposite to the ear on said base member, and a clamp bolt connected to said ears.

1,506,545. PERYLENTETRACARBOXYLIC ACIDS AND THEIR DERIVATIVES AND PROCESS OF MAKING THEM. MAXIMILIAN P. SCHMIDT and WILHELM NEUGEBAUER, Biebrich-on-the-Rhine, Germany, assignors to the Firm Ralle & Co., Aktiengesellschaft, Biebrich, Rhine, Germany. Filed Sept. 1, 1922. Serial No. 585,819. 4 Claims. (Cl. 260—108.)

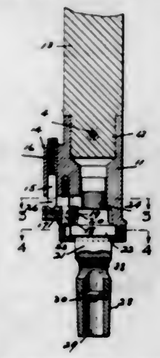
4. As new products the monoimids of the perylentetracarboxylic acids of the following formula being red to brown powders soluble with an intense red color in diluted alkaline solutions from which they are precipitated by means of salts, soluble in concentrated sulfuric acid with a bluish-red color and strong scarlet-red fluorescence, in which solution they are transformed into the anhydride of the perylentetracarboxylic acids when heated at a higher temperature.

1,506,546. VALVE. OLAF E. OLESON, East Chicago, Ind. Filed July 20, 1922. Serial No. 576,176. 8 Claims. (Cl. 251—28.)



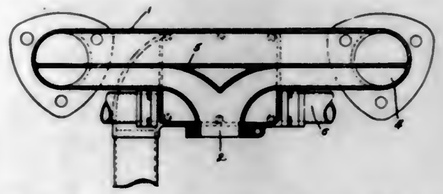
1. In a valve, the combination of a casing having inlet and outlet passageways, two valve members co-operating to establish and interrupt communication between said passageways as desired, and means for moving one of said members towards and away from the other of said members, a first one of said members being tubular and rigidly mounted in said casing in communication with one of said passageways and having an annular inclined valve seat, an annular flange and a groove between said seat and flange, said casing having a bore co-axial with the axis of said first member, and said second member being cylindrical and fitting said bore, the second one of said members having an annular inclined valve seat and a cylindrical projection for co-operation with the flange on said first member to interrupt the major part of the flow before engagement of the valve seats with each other and leaving sufficient flow across said valve seats to keep them clean during closing, there being a slight clearance between said valve members and said valve seats converging towards the inlet passageway whereby the pressure in the inlet passageway is communicated to said clearance and said groove when said valve seats are closed and tends to expand one of said seats against the other to hold them tightly in engagement with each other.

1,506,547. TOOL HANDLE. JOHN PEYER, Brooklyn, N. Y. Filed Jan. 19, 1923. Serial No. 613,624. 6 Claims. (Cl. 145—76.)



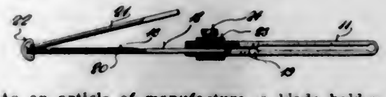
1. A tool handle comprising a grip portion, a chuck head rotatively connected thereto, a member pivotally and eccentrically mounted on said grip portion to engage said chuck head for ratchet action with the grip portion, and slidably mounted on said grip portion to engage said chuck head for positive direct action with said grip portion.

1,506,548. APPARATUS FOR SUPPLYING FUEL TO INTERNAL-COMBUSTION ENGINES. SAMUEL J. PINGREE, St. Louis, Mo., assignor to Pingree Patents, Incorporated, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 25, 1921. Serial No. 517,649. 4 Claims. (Cl. 123—52.)



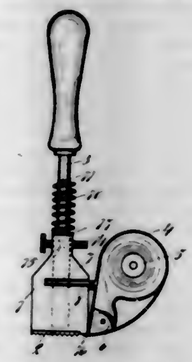
1. An intake manifold comprising a single piece tubular member having a partition wall arranged therein for dividing the interior of said member into two compartments, said compartments having inter-communicating exit ports adapted to communicate with the combustion chambers of an engine and said member having independent inlet ports for said compartments and adapted to be connected to corresponding carbureters.

1,506,549. RAZOR-BLADE HOLDER. CONSTAN E. RANG, Milwaukee, Wis. Filed Feb. 17, 1922. Serial No. 537,211. 3 Claims. (Cl. 30—25.)



1. As an article of manufacture, a blade holder comprising a handle member, a blade securing member carried thereby and slidable to be housed therein, the blade securing member being adapted to have a cutting blade secured therein when said member is extended from the handle member, and clamping means carried by the handle member for frictionally securing the blade in the last mentioned member, and for holding said member in extended position in said handle member.

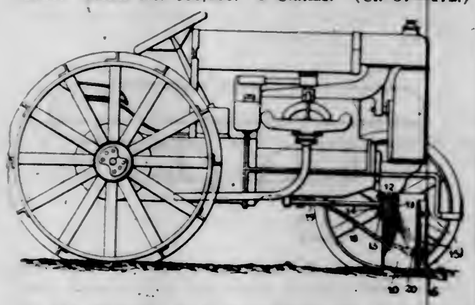
1,506,550. STAM-APPLYING DEVICE. NILS PAUL REHNQVIST, Norrkoping, Sweden. Filed May 28, 1923. Serial No. 641,855. 3 Claims. (Cl. 216—33.)



1. A stamp affixing device consisting of a punch for affixing a stamp in position, a piston slidingly mounted in said punch, a plate within a groove in said punch engaging said piston, a stamp holder pivotally secured

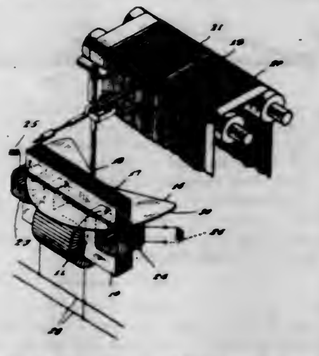
to said plate, means for limiting the vertical movement of said holder on its pivot and means connected with said piston and holder for imparting an upward pivotal and torsional movement to said stamp holder.

1,506,551. LEVELER ATTACHMENT TO VEHICLES. DANIEL E. ANDERSON, Yuba City, Calif. Filed July 9, 1923. Serial No. 650,408. 3 Claims. (Cl. 37—172.)



1. An attachment for a vehicle comprising a V-shaped member having oppositely directed upper portions at the rear and directed at right angles to the longitudinal axis of the member, and means adapted to connect said lateral portions to the axle of the vehicle.

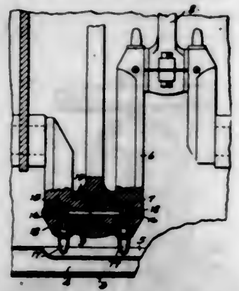
1,506,552. RESISTANCE METER. DONALD J. ANGUS, Indianapolis, Ind. Filed May 14, 1921. Serial No. 469,734. 20 Claims. (Cl. 171—95.)



5. An alternating-current resistance meter, comprising two pairs of fingers, main exciting means for producing alternating fluxes in such fingers, a secondary coil on one finger of each pair, one of said secondary coils being arranged to have connected in circuit therewith the resistance of which the value is to be measured, and a movable member having eddy-current-carrying means cooperating with both pairs of fingers so that the reactions produced by the two pairs of fingers tend to move said movable member in opposite directions respectively, said eddy-current-carrying means associated with at least one of said pairs of fingers being arranged to decrease the conductance of the eddy-current path when the effect of that pair of fingers predominates and vice versa.

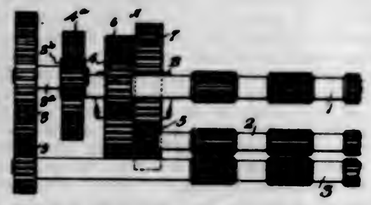
1,506,553. OILING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. JAMES GRANVILLE BALDWIN, Asheville, N. C. Filed Feb. 8, 1923. Serial No. 617,852. 1 Claim. (Cl. 184—13.)

In an oiling system for internal combustion engines, a shaft including a crank pin having a longitudinal passage therethrough and radially disposed ports extending from said passage intermediate the ends thereof, dippers mounted in said crank pin laterally of said longitudinal passage and having openings communicating with said passage, and means mounted in the ends of



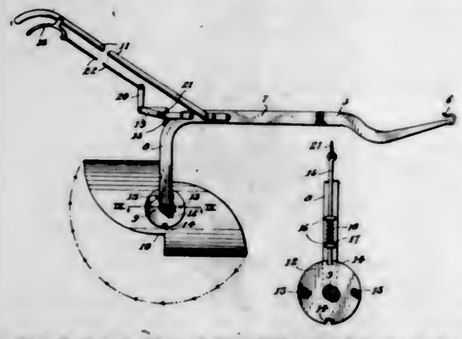
said passage for closing said ends and engaging said dippers to retain the same in operative position to permit of lubricant being fed through the dippers and passage into said ports.

1,506,554. DRAW FRAME. ERNESTO BASSO, Vigevano, Italy, assignor to The Società Italiana Brevetti per Filatura, Bertuletti & C., Milan, Italy, a Company of Italy. Filed Oct. 21, 1921. Serial No. 509,412. 1 Claim. (Cl. 19—130.)



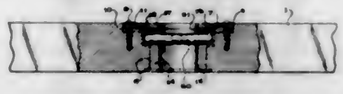
In a drawing frame, the combination with the roller-carrying shafts, of a pinion on the third shaft, a driven gear wheel meshing with the pinion, a pinion carried by the gear wheel, two gears of unequal size on the first shaft and with the larger one of which the pinion carried by the driven gear wheel meshes, a counter shaft, two gears of unequal size on the counter shaft and with the smaller one of which the smaller gear wheel of the first shaft meshes, and a pinion on the second shaft and with which the larger gear wheel of the counter shaft meshes.

1,506,555. REVOLVING SCOOP OR DITCH CLEANER. GEORGE BEDWELL and PERCY WEHR, Sacramento, Calif. Filed June 14, 1923. Serial No. 645,362. 1 Claim. (Cl. 37—139.)



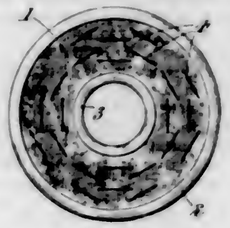
In a device of the kind described, a draft beam having its rear portion bifurcated and turned down to form a pair of laterally spaced legs, a shaft connecting the lower ends of said legs, a dual scoop rotatably mounted on said shaft, and consisting of a cylindrical member having a partition intermediate its ends, opposite side portions of said member being removed on opposite sides of said partition, and means to hold said scoop releasably in selected positions.

1,506,556. ADJUSTABLE SPIRIT LEVEL. CHARLEY D. BENEDICT, Marion, Ind. Filed Sept. 8, 1922. Serial No. 586,865. 1 Claim. (Cl. 33—213.)



A combined level and plumb comprising an elongated parallelepiped shaped body provided at a point midway between its ends with a circular opening which extends from face to face of the body, an annular plate inserted in said opening and having its outer surface flush with one side face of the body, the said plate being provided upon its exposed surface with radially disposed degree lines and also being provided at opposite peripheral portions with arcuate slots, securing devices passing through the said slots and entering the body, the said securing devices being located at the opposite sides of the opening in the body and positioned in alinement with the median longitudinal dimension of the body and in alinement with the diameter of the opening in the body, the said securing devices engaging the body whereby the plate may be adjusted circumferentially in the opening to the extent of the length of the slots, an open-ended cylinder turnably mounted in the opening of the body, means for restraining the cylinder against axial movement within the opening and including a flange which is held between the plate and body, and a bubble tube disposed transversely across the interior of the cylinder and observable from either of the ends thereof.

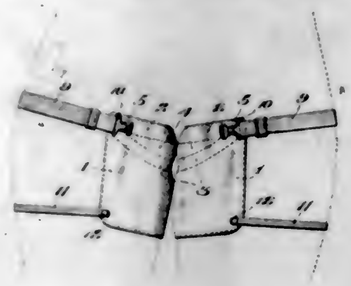
1,506,557. ANTIVIBRATION SUSPENSION DEVICE. WILLIAM BIRD, St. Albans, England. Filed Apr. 19, 1922. Serial No. 555,649. 10 Claims. (Cl. 248—30.)



1. An anti-vibration suspension comprising a supporting member, a supported member, and a resilient member of woven material extending between the supporting and the supported members, said resilient member having cuts therethrough transverse to the direction of those strands of the woven material extending between the supporting and the supported members, the respective ends of said cuts overlapping so that no complete strand connects the supported and supporting members.

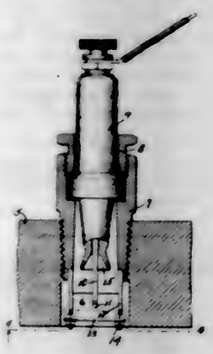
1,506,558. CHAFING SHIELD. DESS BOWERS BOLLS, Washington, D. C. Filed Dec. 13, 1922. Serial No. 606,662. Renewed June 23, 1924. 5 Claims. (Cl. 128—149.)

1. In a chafing shield, a flexible body shaped to engage over the inner side of the legs of the wearer, a reinforcing tape secured to the upper side of the body, a second tape secured along a curved line to the body and below the first named tape, and having its ends secured to the end parts of the first named tape, elastic secured to one of the ends of the tapes and engageable about the limb, means to detachably connect the opposite end of the



elastic to the opposite ends of the tapes, a second elastic fastening secured at one end to one end of the body below the upper side of the latter, and means to detachably secure the opposite end of the second elastic to the opposite end of the body.

1,506,559. SPARK PLUG. AIMÉ BOURCHEIX, Brooklyn, N. Y., assignor of one-half to Sidney E. Hann, Sheepshead Bay, N. Y. Filed Sept. 30, 1921. Serial No. 504,385. 1 Claim. (Cl. 123—169.)

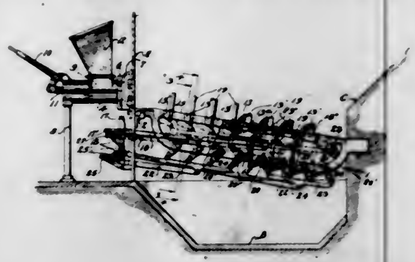


In combination with a motor block having a spark plug opening, a spark plug adapted to be positioned within said opening, said spark plug comprising a shell and having electrodes of a length which when the spark plug is positioned in the spark plug opening of the motor block, will occupy a position within the confines of said spark plug opening, a pair of diametrically opposed legs dependent from the spark plug shell, a plate provided with diametrically opposed openings adapted to receive said legs, and a plurality of nuts carried by each of said legs and adapted to grip the plate therebetween, said nuts being adjustable on the legs whereby the plate may be adjusted with respect to the electrodes of the spark plug.

1,506,560. HAND-OPERATED STOKER MECHANISM FOR FURNACES. JOHN J. BRIDGEFORD, Philadelphia, Pa., assignor to Keystone Refractories Co., Inc., Philadelphia, Pa. Filed Dec. 14, 1922. Serial No. 606,855. 7 Claims. (Cl. 110—37.)

1. In furnace stoker mechanism of the class described, an inclined grate comprising a plurality of rocking shaking bars arranged in series and projectible toward the lower end of the grate, means for operating the bars of

said series at will, a plurality of plungers arranged at spaced intervals below the plane of the grate bars and mounted to penetrate vertically above said plane, and



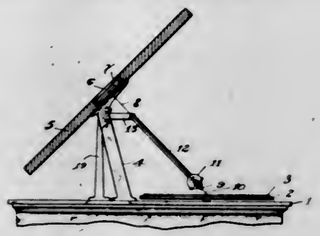
means for imparting substantially vertical movement to the plungers to cause the same to pass upwardly into the fuel bed.

1,506,561. SEPARATOR FOR STORAGE BATTERIES. ELBERT G. BURTON, Columbia, Tenn. Filed Mar. 27, 1923. Serial No. 628,072. 1 Claim. (Cl. 204—29.)



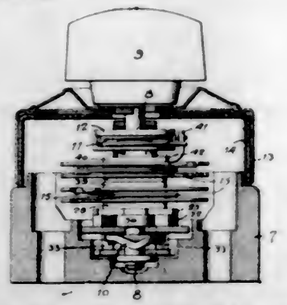
A storage battery having edge and intermediate separators in the form of narrow strips, said intermediate strips being substantially U-shaped and adapted to be positioned to straddle the plates and have their bight portions engage the upper edges of the plates, said intermediate separators having their ends terminating flush with the lower edges of the plates, said end strips folded intermediate their longitudinal edges and adapted to fit the vertical edge portions of the plates, the folded portions being connected at their upper edges to engage the top edges of the plates and support the separators and the lower end of said edge separators terminating flush with the lower ends of the plates.

1,506,562. SOUND-REPRODUCING DEVICE. LEROY R. BUTTON, Kittanning, Pa. Filed Dec. 20, 1919. Serial No. 346,373. 1 Claim. (Cl. 214—26.)



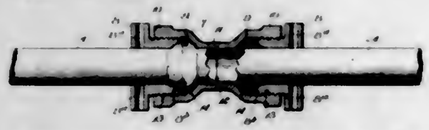
The combination with a phonograph case, a diaphragm carrier consisting of a comparatively large disc-like member having a small central opening, means for mounting the carrier on top of said case, a diaphragm mounted within the opening of the carrier, an arm, means for mounting one end of said arm on the top of said case directly below the center of the diaphragm to permit free lateral swinging movement of the arm, a second arm mounted on the first arm for vertical swinging movement of the free end of said second arm, an armed needle holder pivotally and adjustably mounted in the outer end of the arm, and a flexible member connecting an arm of the needle holder with the diaphragm.

1,506,563. ELECTRIC SWITCH. JOHANNES R. CARLSON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 7, 1922. Serial No. 605,437. 11 Claims. (Cl. 200—63.)



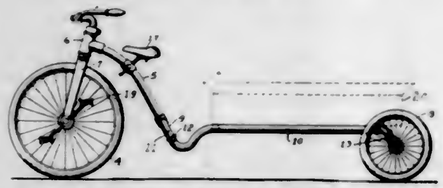
1. In an electric switch, a switch blade carrier comprising a top web apertured to afford a spindle bearing and having integral arms offset therefrom to form a polygonal carrier body, certain of said arms having outwardly offset foot pieces, in combination with a bottom plate apertured to afford a spindle bearing and operatively connected to said offset foot pieces.

1,506,564. PIPE COUPLING. ALBINO CATTONI, Bradford, Pa. Filed May 19, 1923. Serial No. 640,184. 1 Claim. (Cl. 285—166.)



A pipe coupling comprising a body portion or casing having an opening therethrough the central portion of which corresponds in diameter with the external diameter of the sections of pipe to be coupled and the end portions of said opening being of larger diameter and threaded; the inner annular end wall of each enlarged portion of the opening having a plain concave surface; together with convex packing rings fitting in the enlarged portions of the opening in the body portion or casing and adapted to receive the ends of the pipe sections through them, said packing rings being of resilient material and fitting against the aforesaid concave end walls and flanged compression collars threaded into the ends of the body portion and having plain openings through the same for the pipe sections, said openings being flared outward convexly at their inner ends to cooperate with the aforesaid concave walls in compressing the packing rings to form a tight joint.

1,506,565. VELOCIPEDE. WILLIAM E. CLATWORTHY, Cleveland, Ohio. Filed Dec. 27, 1920. Serial No. 433,170. 4 Claims. (Cl. 208—113.)



1. A velocipede frame having a front steering and propelling wheel and including a removable horizontal carrier section having detachable supporting wheels at its rear end, and means adapted to unite said wheels to said frame, when said horizontal carrier section is removed.

1,506,566. REMOVABLE LINING FOR CLOSETS. WILLIAM RICHARDSON COFFEE, Brooklyn, N. Y. Filed Sept. 18, 1922. Serial No. 588,898. 1 Claim. (Cl. 20—1.11.)



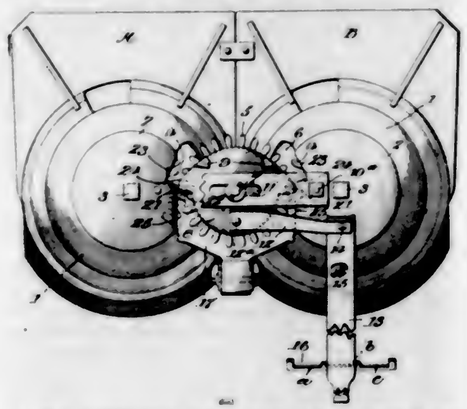
As a new article of manufacture, a removable lining for closets and the like, including a plurality of hingedly connected frames combined to form a unit insertable into a closet and engageable with the side and rear walls thereof, and a panel for each frame formed of insect repelling material.

1,506,567. BABY'S RATTLE. IRWIN E. COHN, New York, N. Y. Filed May 31, 1924. Serial No. 717,078. 6 Claims. (Cl. 46—46.)



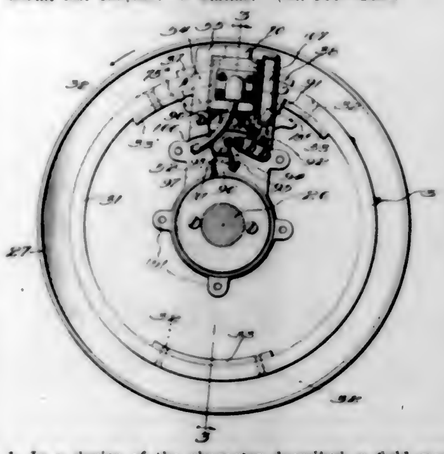
1. In combination, a rattle comprising a hollow body, a stem therefor, and a rattle element within the hollow body, and a collapsible sound-producing device within the hollow body, adapted to be collapsed by the stem, the said rattle element operating against the interior of the hollow body and against the said sound-producing device.

1,506,568. GEAR-POSITIONING MECHANISM. EUGENE M. COLE, Charlotte, N. C. Filed Jan. 16, 1922. Serial No. 529,614. 19 Claims. (Cl. 74—58.)



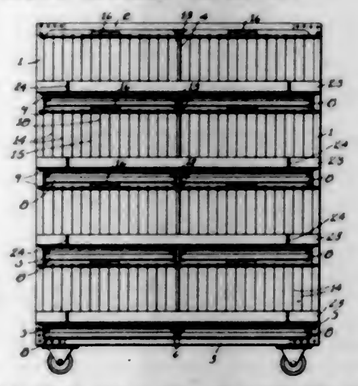
1. The combination with a fixed and a movable gear, of means for shifting the latter into and out of mesh with the former, and means in addition to said shifting means and independent of but shiftable with said movable gear for automatically arresting the travel of the movable gear at a certain definite point, while permitting it to be shifted beyond such point.

1,506,569. MAGNETO ELECTRIC GENERATOR. HENRY G. COX, Chicago, Ill. Filed Sept. 9, 1921. Serial No. 499,465. 9 Claims. (Cl. 171—209.)



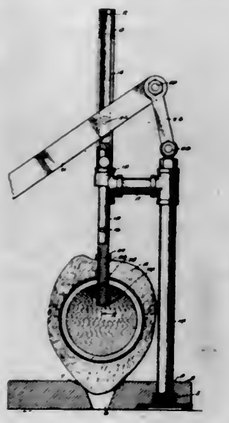
1. In a device of the character described, a field magnet, an armature coil, a core in the armature coil, one end of the armature core having a single-faced head and the other end having a double-faced head, said single-faced head lying opposite the double-faced head, and means for passing the poles of the field magnet between the heads of the armature core to bridge the poles of the field magnet through the armature core first in one direction and then in the reverse direction.

1,506,570. POULTRY COOP OR CRATE. GEORGE E. DEAN, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Jan. 15, 1924. Serial No. 686,264. 11 Claims. (Cl. 119—17.)



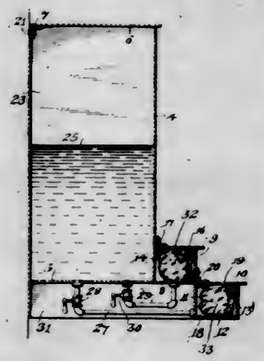
1. In a poultry coop or crate, the combination of angle iron corner uprights disposed with their angles facing outwardly, an intermediate upright, floor supporting ledges secured to the inwardly projecting legs of said corner uprights, wall panels comprising horizontal bars having laterally turned ends disposed through the outwardly projecting legs of said corner uprights and secured thereto, said bars having offsets opposite said intermediate upright, vertical slats secured to said horizontal bars, and eye bolts disposed through said intermediate upright and engaging said offsets in said horizontal bars.

1,506,571. APPARATUS FOR EXTRACTING MILK FROM COCONUTS. EMIL DEREMBERG, Pensacola, Fla. Filed Oct. 19, 1923. Serial No. 669,639. 5 Claims. (Cl. 146—7.)



1. An apparatus for extracting milk from coconuts comprising a coconut supporting base, tubular means for puncturing the coconut and operating means for said tubular puncturing means, said tubular puncturing means being detachable with respect to its operating means to provide a drain for the coconut.

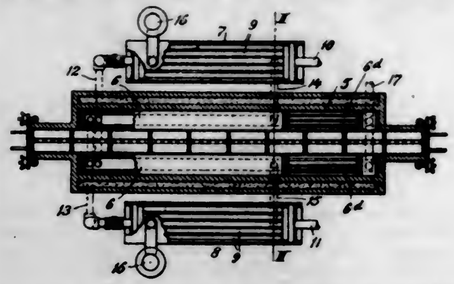
1,506,572. LIQUID-SUPPLY DEVICE FOR TOILET PURPOSES. CHARLES DIONNE, Lowell, Mass. Filed Apr. 23, 1924. Serial No. 708,484. 3 Claims. (Cl. 4—1.)



1. A liquid supply device for toilet purposes comprising a liquid cleansing medium reservoir, a water reservoir, a water chamber arranged forwardly of said reservoirs, a liquid cleansing medium chamber arranged forwardly of said reservoirs, one of said chambers arranged above the other and forwardly with respect thereto, a pipe connection between said water reservoir and water chamber for supplying water to the latter, and a pipe connection between said cleansing medium reservoir and the cleansing medium chamber for supplying a cleansing medium thereto.

1,506,573. TUNNEL KILN. PHILIP DRESSLER, Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 22, 1919. Serial No. 272,420. 3 Claims. (Cl. 25—142.)

1. In a tunnel kiln the combination of heating means therefor comprising internal combustion chambers, means for supplying fluid material to said chambers to maintain combustion therein and means comprising a plurality



of outlets from said combustion chambers for regulably preheating said material by products of combustion withdrawn from said chambers.

1,506,574. PROCESS FOR TREATING WHEAT. JACK H. DUNN, Lexington, Ky., assignor to The Dunn Wheat Company Inc., Lexington, Ky., a Corporation of Kentucky. Filed Sept. 11, 1922. Serial No. 587,578. 3 Claims. (Cl. 99—8.)

3. A process of treating matured grain which consists in successively cleaning, steaming, thoroughly drying and then polishing the grain, then placing the grain into a receptacle with the addition of a composition formed of water, sugar and salt and in the proportion of one ounce of grain to two and one-eighth ounces of water, one-twenty-fourth ounce sugar and one-seventy-second ounce of salt, then permanently sealing the container air and steam tight and allowing the contents of the permanently sealed container to set for a period of ten hours, then sterilizing the permanently sealed container and its contents while the permanently sealed container is stationary for two hours at about atmospheric pressure, then increasing the steam pressure from five to eight pounds for a period of one hour while the permanently sealed container is stationary, and then allowing the permanently sealed container and its contents to cool whereby the liquid will be absorbed and the grain swollen.

1,506,575. MANUFACTURE OF RAT POISON. LOUIS A. EBERHARDT, New York, N. Y. Filed Dec. 11, 1922. Serial No. 606,253. 2 Claims. (Cl. 167—6.)

1. A method of preparing rat poison, which consists in first immersing squill bulbs in paraffin oil, and then comminuting the bulbs and paraffin.

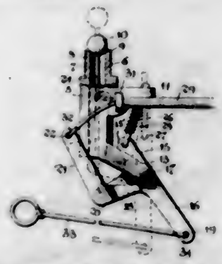
2. A rat poison containing squill bulbs and paraffin.

1,506,576. ELECTRICAL INDICATING MARKER. CLARENCE G. GARRIGUS, Bristol, Conn. Filed Nov. 6, 1922, Serial No. 599,281. Renewed July 12, 1924. 1 Claim. (Cl. 40—2.)



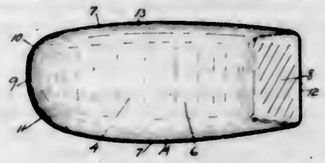
In an indicating marker for electrical apparatus, a metallic disc having a convex upper surface and a flat under surface, a rim depending from the edge of said under surface, a concentric rim at the center of said under surface and surrounding a recess extending upwardly into said disc, a pin under said disc, said pin having a head seated in said recess, the central rim having its sides bent inwardly and swaged over around the head of said pin to fasten the pin rigidly to the disk, said pin being adapted to be driven into the electrical apparatus adjacent the point to be marked.

1,506,577. DRAIN COCK. WILLIAM B. GEORGE, Tulia, Tex. Filed Nov. 14, 1923. Serial No. 674,675. 1 Claim. (Cl. 137—139.)



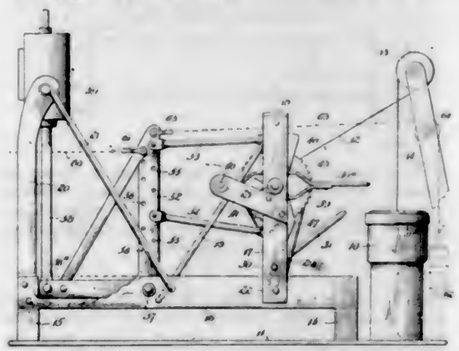
A drain cock comprising a barrel provided with a drainage passage, a valvular element seating on one end of said barrel for opening and closing said passage, a valve stem carrying said element and extending through and projecting from said passage, a three-arm lever pivotally supported from said barrel and having one of its arms pivotally connected with the projecting end of said stem, an operating means for said lever connected to one of the other arms of said lever, that arm of said lever pivotally connected with said stem provided with an extension, an operating means for said lever connected with said extension, and a controlling element connected to the remaining arm of said lever and slidably connected with said barrel and constituting means for maintaining the valvular element in open and closed position.

1,506,578. SHEET-METAL-WORKING TOOL. NILS E. GRANDAHL, Hartford, Conn. Filed July 16, 1920. Serial No. 396,820. 7 Claims. (Cl. 81—15.)



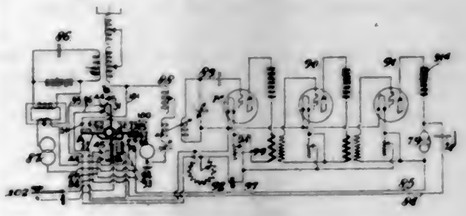
1. A sheet metal working tool comprising a body having curved sides and with an end curved in transverse directions, each of said transverse curves gradually merging into the curves of the sides, and also gradually increasing in radii from one point to another.

1,506,579. PULLING MACHINE. FRANK H. HALL, Bradford, Pa. Filed Apr. 13, 1923. Serial No. 631,894. 3 Claims. (Cl. 254—146.)



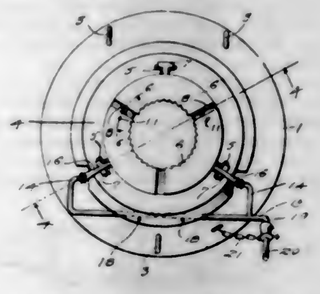
1. A pulling machine comprising a supporting frame, a main shaft mounted therein, a drum fixed to the shaft and around which drum the hoisting and lowering cable is wound, a sleeve loosely mounted on the shaft and carrying a clutch-member fixed thereto, a ratchet-wheel fixed to the sleeve to rotate therewith, yoke-members loosely mounted on the sleeve and projecting in opposite directions from each other, and spring-actuated pawls carried by the yoke members to engage the teeth of the ratchet-wheel; together with a clutch member slidably connected to the shaft to engage the aforesaid clutch-member on the sleeve for connecting said sleeve and shaft, and means for oscillating the yoke-arms.

1,506,580. QUICK-ACTING, AMPLIFYING BREAK KEY FOR WIRELESS TELEGRAPHY. HENRY EMMANUEL HALLBORG, Norfolk, Va., and HAROLD REDMORE MILLER, Washington, D. C. Filed Oct. 25, 1920. Serial No. 419,231. 12 Claims. (Cl. 250—13.)



7. Radio telegraph apparatus comprising the combination of a vacuum tube detector with an associated circuit embracing telephones and a source of current, a condenser bridging the telephones, and a break key having a closed and open position, and a condenser shunting the telephones when the key is closed to prevent disturbance of the steady thermionic current, but when open, to cut out the condenser so that an incoming signal pulse may be imposed on said current and result in a response by the telephones.

1,506,581. DEEP-WELL-CASING CLAMP. ELTON P. HALLEY, Sanderson, Tex. Filed Nov. 3, 1923. Serial No. 672,605. 2 Claims. (Cl. 24—263.)

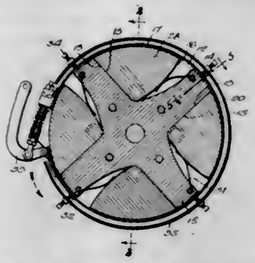


1. A casing clamp comprising a base including a guide having its inner wall upwardly flared, casing gripping jaws disposed within said guide and having their outer sides inclined to conform to the flare of the inner wall of the guide, jaw operating means having positive connection with two of the jaws, and connecting means between an intermediate jaw and the adjacent positively operated jaw, the same comprising an arm pivoted at one end to one of the jaws and having its opposite end entering a recess of the adjacent jaw.

1,506,582. BRAKE. KARL P. HANGL, New York, N. Y. Filed June 16, 1923. Serial No. 645,856. 12 Claims. (Cl. 188—77.)

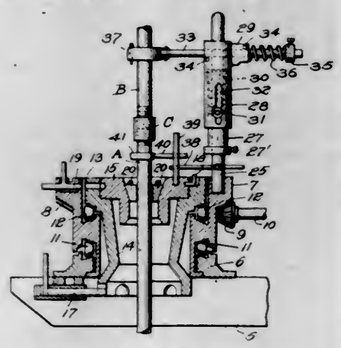
3. A brake for vehicle wheels, comprising a casing for mounting on the vehicle wheel, said casing having a

plurality of pockets therein, a brake band encircling said casing, and members mounted in the casing pockets, said



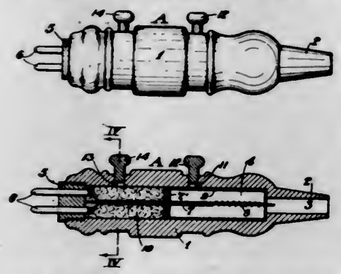
members being so constructed that they swing outward against the brake band when engaged by the latter.

1,506,583. PIPE-COUPLING ATTACHMENT FOR ROTARY DRILLING MACHINES. GEORGE W. HOFFMAN, Houston, Tex. Filed Dec. 21, 1920. Serial No. 432,340. 10 Claims. (Cl. 255—23.)



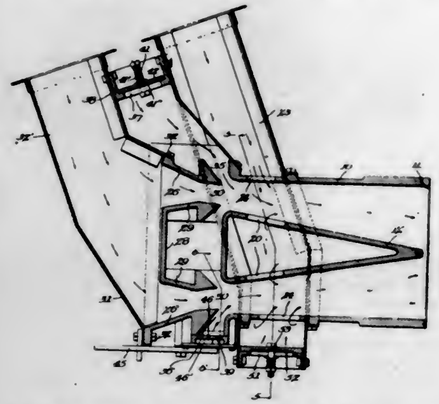
1. A tong holding device for rotary drilling machines comprising a post adapted to be supported on the machine, a bushing adjustable on said post, a tool holding member slidable on said post, and a spring between the bushing and tool holding member for yieldably supporting the latter.

1,506,584. MEDICAL APPLIANCE. JOHN G. HOMAN, Steubenville, Ohio, assignor to Electrothermal Company, Steubenville, Ohio, a Firm composed of John G. Homan and William J. Kirk. Filed Dec. 17, 1919. Serial No. 345,508. 5 Claims. (Cl. 128—192.)



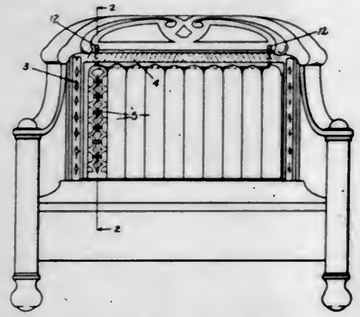
1. An inhaling device comprising an elongated hollow body having an outlet opening at one end thereof, a connecting plug at the other end thereof, a longitudinally extending supporting member on the plug projecting into the body out of contact with the walls thereof, and an electric heating means on said supporting member for heating air admitted to the interior of the body and before it passes through the outlet.

1,506,585. BURNER. HOWARD HOWIE, Rockwood, Tenn., assignor to Roane Iron Company, Rockwood, Tenn., a Corporation of Tennessee. Filed Dec. 10, 1923. Serial No. 679,840. 9 Claims. (Cl. 158—118.)



1. A gas burner comprising a casing, an obstruction extending transversely of said casing and having two surfaces which diverge from an open combustion end of the casing inwardly toward opposite walls forming narrowing passages between the obstruction and the walls of the casing, the casing having a series of air inlet openings adjacent the narrow portion of said passages, means for directing a forced air draft through said openings and into the passages, the casing being provided with additional air inlet openings for induced air adjacent the widest portion of said obstruction, means for regulating the size of said last mentioned openings, and fuel jets positioned rearwardly of said obstruction adapted to direct fuel through said passages.

1,506,586. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 7, 1924. Serial No. 691,179. 4 Claims. (Cl. 126—92.)

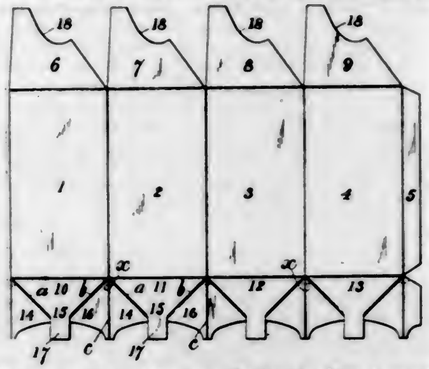


4. In a gas stove, the combination with a casing, of a fireback, radiants disposed in front of said fireback, and a retaining rod engageable with said radiants for removably supporting them position and having lateral arms arranged through said fireback.

1,506,587. BOX OR CARTON FOR HOLDING ELECTRIC LAMPS AND OTHER FRAGILE ARTICLES. ROWLAND HUNT, London, England. Filed Sept. 28, 1923. Serial No. 665,421. 1 Claim. (Cl. 229—37.)

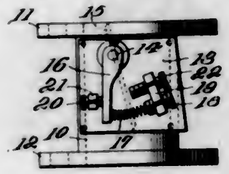
A box to hold an electric lamp comprising four integral sides each of which has an extension at one end said extensions being integral with the sides and unseparated

from each other, each extension being divided into three parts by creases in the extensions and each extension bent



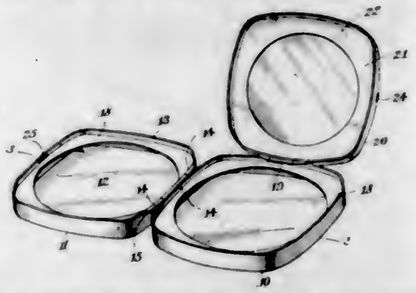
inwardly on the creases into the box to form a support for one end of a lamp, said sides each having at its opposite end means for holding the other end of the lamp.

1,506,588. GOVERNOR. JAMES HURST, San Francisco, Calif. Filed July 8, 1920. Serial No. 394,852. 7 Claims. (Cl. 137—152.)



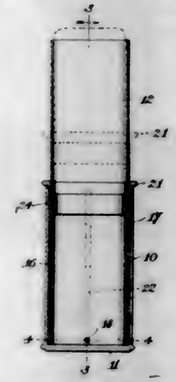
1. A governor of the character described comprising a casing, a shaft extending transversely through the casing, a butterfly valve connected to said shaft within the casing and having its wings in alignment, an external arm secured to said shaft, a spring having one end engaging and pressing against said arm, an external lug carried by the casing and having an abutment for the other end of said spring, a stop positioned exteriorly of the casing to limit movement of said arm under the influence of the spring, whereby the valve when open is held at an angle to the bore of the casing, and a second stop adjustably mounted in said external lug and positioned to limit movement of the arm in the other direction, whereby closing movement of the valve may be interrupted at any desired point.

1,506,589. TWIN-COMPACT VANITY CASE. SIMON A. JAROSLAWSKI-FIORET, New York, N. Y. Filed Nov. 28, 1923. Serial No. 677,536. 3 Claims. (Cl. 132—83.)



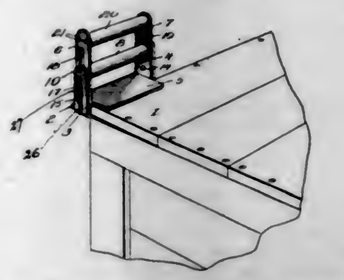
1. A vanity case comprising a pair of outer compact carrier sections each having an open end and a closed end hingedly connected at the open ends for contiguous closed relation, an intermediate mirror carrying section hingedly connected to one of the outer sections and adapted when the case is closed to extend partially into the open end of each outer section for frictionally retaining said sections in closed relation, and means spaced inwardly from the open end of each of the outer sections constituting stops for engaging the opposite sides of the intermediate section to limit the projection of the same into the end of said outer sections.

1,506,590. COSMETIC HOLDER. SIMON A. JAROSLAWSKI-FIORET, New York, N. Y. Filed Nov. 28, 1923. Serial No. 677,537. 2 Claims. (Cl. 206—56.)



1. A holder for a cosmetic stick or pencil, comprising a tubular body having a closed lower end and an open upper end, a sleeve within said body having its walls spaced from the inner surface of the walls of the body and extending from the closed lower end through the body and projecting from the open end, a follower member consisting of inner and outer tubular sections fitting respectively around the sleeve and within the sleeve and adapted to receive within the inner section at the upper end the cosmetic stick or pencil, said follower member being longitudinally movable with respect to the body and sleeve for the purpose of projecting or retracting the free end of the pencil or stick for exposing the same from the end of the sleeve, and a cover having a closed end and an open end adapted for telescopic association with the exposed portion of the sleeve, said cover being adapted to coact with the outer section of the follower member for automatically retracting the exposed end of the pencil upon application of the cover.

1,506,591. BOX OPENER. OLLIE A. KARHU, Greybull, Wyo. Filed Apr. 22, 1924. Serial No. 708,218. 4 Claims. (Cl. 145—21.)



4. A box opening tool, comprising in combination a pair of substantially rectangular strip-like members each having a hand grip at one side thereof and one of said members being adapted to slide within the other of said

members, each of said members carrying a flat plate member at an end opposite each hand grip, one of said flat plate members extending on either side of the other of said flat plate members and having a bladed edge and a hammer edge opposite thereto, and resilient means for normally holding said plate members spaced apart whereby said plate members may be moved together when said hand grips are drawn together and said extended flat plate member driven under a box cover in the process of opening the box.

1,506,592. RUFFLED CRÊPE PAPER. LESTER C. LEACH, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Filed Sept. 22, 1923. Serial No. 664,245. 13 Claims. (Cl. 92—69.)



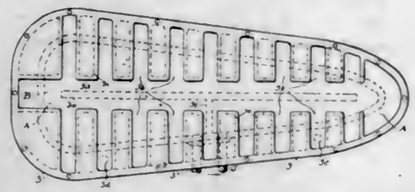
1. A sheet of crêped material having an integral row of uncrêped ruffles on one side thereof.

1,506,593. ADJUSTER BAR. JOHN DELL LEMEX, Tulsa, Okla. Filed May 5, 1921. Serial No. 466,880. 7 Claims. (Cl. 255—18.)



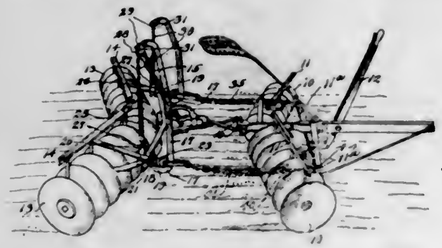
1. An adjuster for transmitting motion from a walking beam to a pump operating rod comprising an integral stirrup having side members and a cross member connecting the upper ends of the side members, means for holding the lower ends of the side members in fixed spaced relation, and spaced apart flexible extensions of greater length than the side members of the stirrup depending from the spacing means, and having clamping means at the lower ends thereof, said clamping means being coaxially alined with the spacing means, said spacing means providing the upper limit to which a pump rod engaged in the clamp may reach, whereby the pump rod with which the adjuster is used will always be well below the stirrup to provide clearance for a walking beam.

1,506,594. CLOTHES-PRESSING MACHINE. CHARLES H. LEWIS, Syracuse, N. Y. Filed Oct. 27, 1922. Serial No. 597,383. 5 Claims. (Cl. 68—9.)



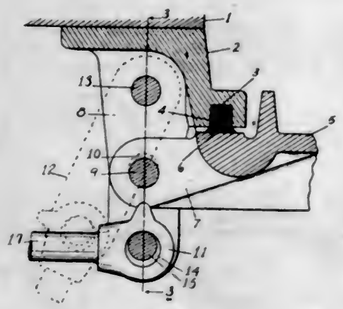
1. A clothes pressing machine including a buck and a presser head, one of said elements embodying a normally heated chamber and an intermittently heated chamber, and a pressing face having intermingled portions heated by the two chambers.

1,506,595. DISK HARROW. HENRY H. LOHMEYER, Ambrose, N. Dak. Filed Mar. 9, 1923. Serial No. 623,918. 15 Claims. (Cl. 55—83.)



1. In a harrow, the combination with front and rear gang frames, of means pivotally mounting said frames at one end, and normally rigid draft means intermediate of said frames constructed to flex upon abnormal tension thereon and extend the length of the draft means in the line of draft.

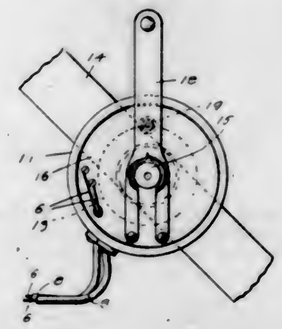
1,506,596. DOOR OR CLOSURE. FRANCIS J. MCMURDIE, Kalamazoo, Mich. Filed Nov. 8, 1923. Serial No. 673,627. 5 Claims. (Cl. 220—55.)



1. In a structure of the class described, the combination of a door frame provided with a gasket projecting beyond its face, pairs of spaced ears disposed in opposed relation on said frame, a door provided with opposed arms projecting between said ears, removable pintles for

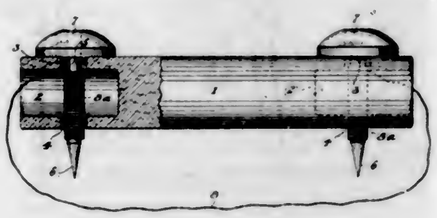
said arms engaging said ears for limited lateral movement, clamping cams adapted to be engaged with said arms, supporting links for said cams pivotally mounted on said pintle ears, and eccentric pivots for said cams adjustably mounted on said links whereby the clamping action of the cams may be varied.

1,506,597. VEHICLE TRAFFIC SIGNAL. ALOYS N. MALLER, RAYMOND J. MALLER, and NORBERT J. MALLER, Oelwein, Iowa; said Raymond J. Maller and Norbert J. Maller assignors to said Aloys N. Maller. Filed Apr. 8, 1922. Serial No. 550,664. 2 Claims. (Cl. 74—39.)



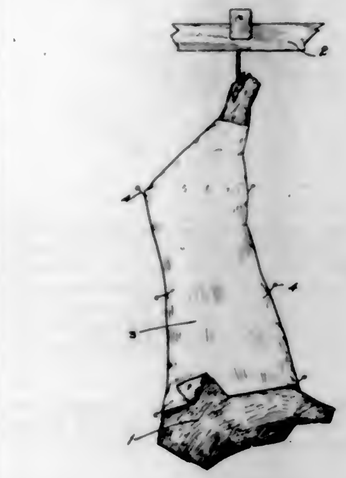
1. In a signalling mechanism, a casing having spaced sections, an axle extending from one of the sections, the other section being fastened to the axle, a pulley journaled on the axle, means trained about the pulley for actuation to operate signal means, an arm bifurcated to straddle said axle and secured to the pulley, said arm being movable intermediate the sections, one of the sections having teeth engageable by said arms, said pulley having a recess, the arm having a projection adapted to enter said recess when it is disengaged from said teeth, and a spring anchored in said recess and projecting therefrom and normally urging said member into engagement with said teeth.

1,506,598. TOP SPINNER. PAUL MELEG, Cleveland, Ohio. Filed Apr. 12, 1923. Serial No. 631,603. 2 Claims. (Cl. 46—32.)



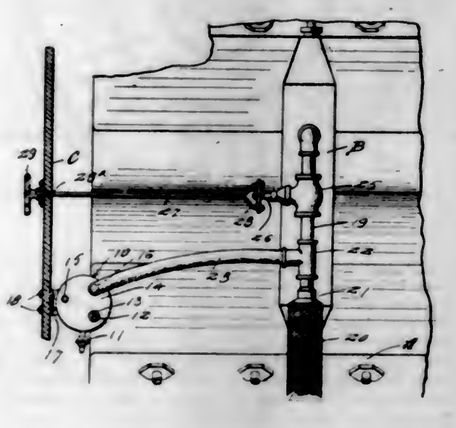
1. In a top spinner of the type described, a bar having end opening sockets formed in the opposite ends thereof and having a pair of axially alined openings formed in the wall of each socket, a top in each pair of axially alined openings, and a single cord having its opposite ends inserted into the end opening socket and wound around the different tops in such a manner that when the intermediate portion of the cord is pulled upon the said tops will be projected from their respective openings for permitting them to spin.

1,506,599. METHOD OF WRAPPING BEEF. JOSEPH PAUL MURPHY, Denver, Colo., assignor to Blayney-Murphy Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 19, 1924. Serial No. 707,627. 4 Claims. (Cl. 99—1.)



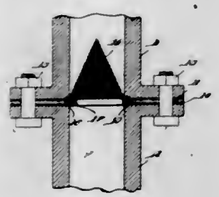
4. The herein-described method of treating carcasses, which consists in applying to the outside thereof while still warm, a thin covering of cloth saturated with salt brine, the said covering being held in place until the carcass cools.

1,506,600. HUMIDIFYING ATTACHMENT. HENRY NAGEL, New Orleans, La. Filed May 10, 1922. Serial No. 559,971. 2 Claims. (Cl. 123—25.)



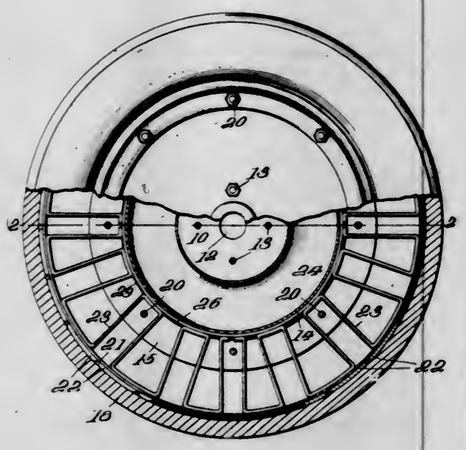
1. In a humidifying attachment, a conduit for communication with the fuel intake means of an internal combustion engine, a water container, a conduit in communication with said conduit and with said container, means on the container communicating with the atmosphere for passage of air through the water and thence through the second mentioned conduit, the second mentioned conduit being in communication with the atmosphere beyond its junction with and at an angle to the first mentioned conduit.

1,506,601. MIXING DEVICE. JOHN ENAR NELSON, Bucyrus, N. Dak. Filed Feb. 25, 1922. Serial No. 539,197. 1 Claim. (Cl. 48—180.)



A mixing device of the character described comprising a pair of spaced associated plates provided with aligned openings, a flange rising from the edge of the opening of one of said plates, a conical shaped foraminated member rising from the marginal edge of the opening of the other of said plates and said flange being bent upon the edge of said member as and for the purpose specified.

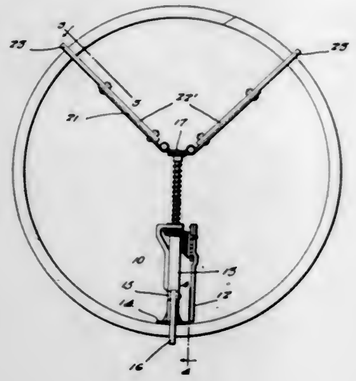
1,506,602. VEHICLE WHEEL. HENRY NICHOLS, New York, N. Y. Filed May 17, 1922, Serial No. 561,656. Renewed Apr. 8, 1924. 14 Claims. (Cl. 152—29.)



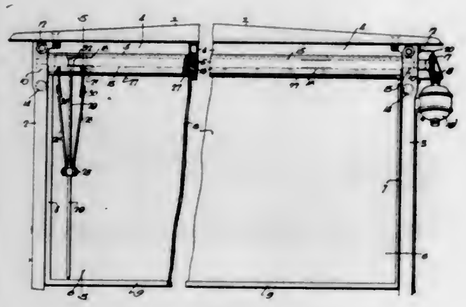
9. A wheel of the character described comprising a body, a pneumatic cushion enclosed within said body, a tire shoe secured to the periphery of said body, a band-like equalizing spring encircling said cushion, a similar equalizing spring located within the tread portion of said shoe, and a convolute equalizing member interposed between and engaging both of said equalizing springs, the equalizing spring within the tire shoe having segmental pads bearing against the inner surface of the tread of said shoe.

1,506,603. COMBINATION AUTO JACK AND RIM TOOL. WILLIAM B. NICHOLSON, Chapman, Kans. Filed Mar. 25, 1922. Serial No. 546,655. 1 Claim. (Cl. 254—100.)

A combination jack and rim tool comprising a base, a hollow standard rising therefrom, a screw operating in said standard, means for operating said screw, a plate carried by the upper end of the screw, swinging members hingedly connected upon the opposite sides of said plate, a relatively long arm carried by each member and arranged parallel therewith, a hook like portion projecting laterally from the outermost end of each arm and adapted to engage said rim, spaced parallel lugs projecting from said jack standard at a point adjacent the base, a pivoted hook like member mounted between said lugs and arranged to engage the rim at a point immediately beneath said base as and for the purpose specified, the arms being adapted to be swung downwardly upon opposite sides of the base and engaged with the ground to serve as balancing legs for the device when used as a jack.

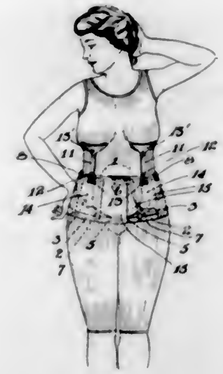


1,506,604. WINDSHIELD CLEANER. ALBERT S. NOONAN, Philadelphia, Pa., assignor to Foss-Hughes Company, Philadelphia, Pa., a Corporation of Pennsylvania and Massachusetts. Filed Nov. 9, 1921. Serial No. 513,989. 3 Claims. (Cl. 15—253.)



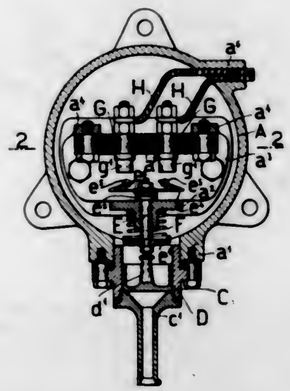
1. The combination of a wind shield having a hollow frame member formed with a longitudinally extending slot; a traveling member mounted in said frame member; a motor; mechanism driven from said motor for reciprocating said traveling member in the frame member; a cleaning member operative on the windshield, one or more spring elements connected to the cleaning member and extending through the slot of the frame member and connected to the traveling member for transmitting movement therefrom to the cleaning member.

1,506,605. ABDOMINAL SUPPORTER. FOLKE FREDRICK NORDEN, New York, N. Y. Filed Apr. 22, 1921, Serial No. 463,497. Renewed July 12, 1924. 9 Claims. (Cl. 2—30.)



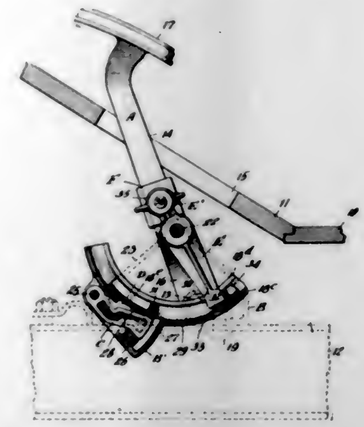
1. An abdominal support comprising a band of resilient but non-extensible material consisting of a plurality of parts adjustably connected in such manner as to allow the band to be flexed.

1,506,606. ELECTRICAL SWITCH. WALTHER AKEMANN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Sept. 3, 1920. Serial No. 408,068. 2 Claims. (Cl. 200—82.)



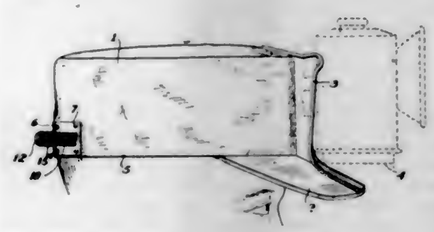
1. A mouth operated electric switch comprising a casing, fixed and movable switch contacting means within said casing, said movable contacting means being carried on a plunger reciprocably mounted in said casing, a spring tending to hold said movable contact means in spaced relation to said fixed contacting means, a cylinder attached to said casing in substantially axial alinement with said plunger, a piston in said cylinder and projecting in said casing through an aperture provided in the latter whereby said piston abuts said plunger, and a mouth-piece on said cylinder whereby air being blown into said mouth-piece said movable contacting means is urged against said fixed contacting means; said mouth-piece, cylinder and piston being detachable as a unit from said casing, and said plunger being so disposed as to lie entirely within said casing when said detachable unit is removed.

1,506,607. CLUTCH CONTROL MECHANISM. HARLEY E. ANDERSON, Chicago, Ill., assignor of one-third to William L. Kellogg, Chicago, Ill., and one-third to William H. Miner, Chazy, N. Y. Filed Aug. 7, 1922. Serial No. 579,975. 10 Claims. (Cl. 74—81.)



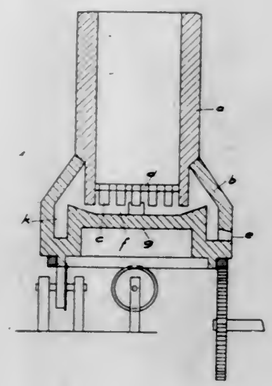
1. In a device of the character described, the combination with a speed control lever movable to two different operative positions and an intermediate neutral position; of a spring controlled detent for checking movement of the control lever when the latter arrives at the neutral position; a movable holding element directly engaging said detent for retaining it in inoperative position; and means carried by and movable in unison with said control lever for positively moving said holding element into the latch retaining position during movement of the lever to one of its operative positions, to thereby permit free movement of the latter to the other of is two operaive positions.

1,506,608. ATTACHMENT FOR MINERS' CAPS. FRANK BAYER, Majestic, Ky. Filed Dec. 31, 1923. Serial No. 683,772. 3 Claims. (Cl. 2—197.)



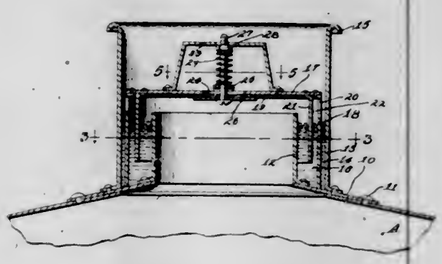
1. An attachment for caps comprising a member adapted to be secured to the exterior of the band of said cap, said member having a longitudinal series of spaced seats, and a coiled spring secured at one end to the band of the cap in spaced relation to said member and having its other end formed into a hook for engagement with one of the seats of the member.

1,506,609. METHOD OF CONVERTING ZINC POWDER INTO FLUID ZINC. EDWARD SALOMON BERGLUND, Djursholm, Sweden. Filed Feb. 2, 1922. Serial No. 533,702. 4 Claims. (Cl. 266—19.)



1. A method of converting zinc powder into fluid zinc which consists in simultaneously stirring the powder as it comes from a condenser pipe, and subjecting the said powder to centrifugal force, where by conversion to the fluid state and cohesion of the fluid particles is effected as well as separation of oxide from the fluid metal formed.

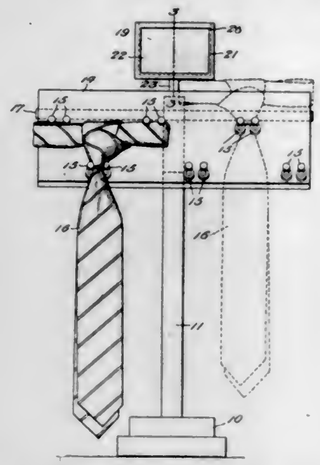
1,506,610. MANHOLE COVER FOR OIL TANKS. PERLEY O. BOOTH, Ivan, Tex. Filed July 20, 1923. Serial No. 652,807. 4 Claims. (Cl. 220—45.)



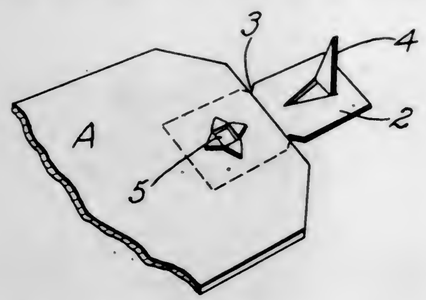
1. A manhole cover for tanks, comprising a base ring adapted to be mounted upon a tank dome at the manhole therein, an upstanding shell rising from the inner periphery of said ring, an outer shell rising from the ring in spaced relation to said inner shell and defining an annular chamber for containing liquid, and a cover located within said outer shell and including a top and an outer wall and further including a depending skirt spaced from the wall, the wall and skirt of the cover fitting within said annular chamber.

1,506,611. DISPLAY RACK. ALFRED D. BOWEN, Suffolk, Va. Filed May 6, 1921, Serial No. 467,332. Renewed Dec. 28, 1923. 2 Claims. (Cl. 211—24.)

1. A display rack comprising a base, a standard rising therefrom, a display panel carried by the standard and spaced pins extending from the panel, said pins being arranged in spaced pairs to receive articles to be displayed, with the pairs arranged in staggered relation and in horizontal rows.



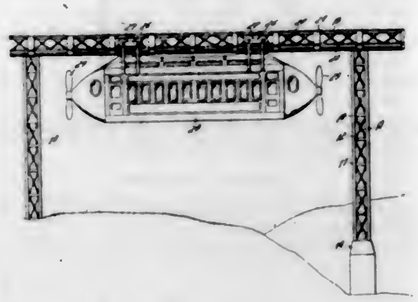
1,506,612. CLIP. WILLIAM F. BUSCHARDT, Baltimore, Md. Filed June 2, 1922. Serial No. 565,386. 1 Claim. (Cl. 40—22.)



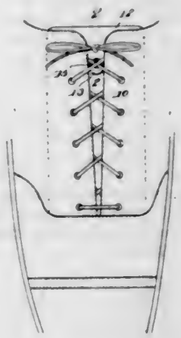
A clip of the class described formed from a blank having notches at the centers of its side edges so as to facilitate folding of the blank at the center, one-half of the clip having a hole therein forming a tongue which is adapted to be bent over to hold the clip to a card and the other half having a V-shaped tongue punched therefrom to engage the hole when one half of the clip is bent over upon the other half to hold the tag on the package.

1,506,613. AERIAL TRANSPORT SYSTEM. ONOFRE CAMP, Barranquilla, Colombia. Filed Dec. 1, 1923. Serial No. 678,066. 1 Claim. (Cl. 104—93.)

An overhead trackway for aerial transport systems comprising vertical supports provided with laterally extending arms at their upper ends, pairs of spaced horizontally arranged angle beams, the inner ones of which being secured to the arms, brace elements arranged in truss formation between the angle beams, L-shaped track supporting members supported by the outer angle beam and having their lower legs resting on the lower outer angle beam and extending laterally therefrom, a plate arranged in opposed relation to the vertical leg of each of the track supporting members and having their ends disposed within the inner angle beam, fastening elements extending through the vertical legs of the track supporting members, brace members and plate, and a trackway supported by the lateral legs of the U-shaped supporting members.



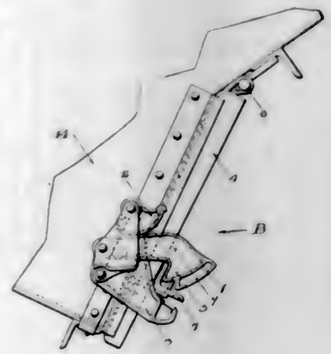
1,506,614. SHOE-TONGUE HOLDER. WILLIAM F. COOK, Pittsburgh, Pa. Filed Sept. 18, 1922. Serial No. 588,940. 1 Claim. (Cl. 24—117.)



A disk for use on the tongue of a shoe having a concentrically arranged sleeve extending therefrom adapted to be inserted through an opening in the tongue and to be upset or riveted upon the inside of said tongue, said disk also having a plurality of hollow rolled projections formed integrally of the disk and extending in opposed relation to said sleeve.

1,506,615. METHOD OF CONSTRUCTING RAILWAY CARS. WILLIAM F. CREMEAN, Toledo, Ohio. Filed Dec. 22, 1923. Serial No. 682,261. 4 Claims. (Cl. 105—308.)

1. In constructing railway cars, the method of applying to a car, having hinged doors, a door locking mechanism involving engagable relatively movable cooperating members one of which is carried by the car body and the other by the door, which consists in mounting upon the car body in normal assembled relation thereto the said locking member which is carried by said body; movably securing the cooperating locking member to the door in a position enabling it to engage said locking member carried by the car body; causing said door to assume a position approaching final closure and effecting an engagement of the said locking members carried respectively by the car body and the door so as to prevent said door from executing an opening movement; causing said door to assume its normal position of final closure while the locking member carried by said door is maintained in door locking relation to the said locking member carried by the car body; and thereafter, while said door is in said normal closed position and said locking members are in said locking relation, securing to the door in final assembled relation thereto the locking member carried thereby.

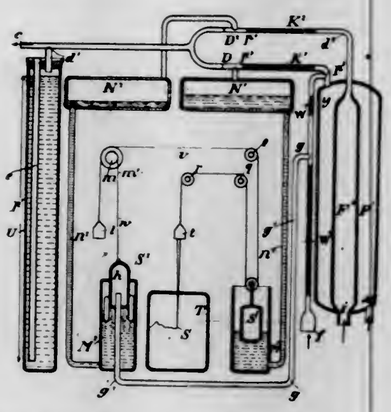


1,506,616. METAL-BUILDING CONSTRUCTION. THOMAS F. DOHERTY, Terre Haute, Ind. Filed Dec. 16, 1922. Serial No. 607,384. 1 Claim. (Cl. 72—48.)



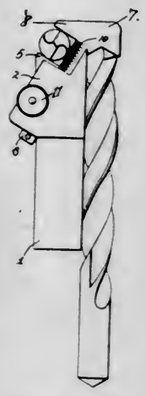
In a building construction, a foundation wall, a frame resting therein and including floor beams, horizontal angle beams, and vertical members connecting the foundation wall and angle beams, vertically disposed spaced rods arranged upon the inner and outer sides of the frame and certain of the rods being provided with inverted U-shaped saddles at their upper ends which embrace the angle beams and terminate in eyes, the remaining rods being formed with eyes at their upper ends which are received in the first mentioned eyes, having their lower ends anchored in the foundation wall, metal lathing secured to the rods, a covering of plastic material for the lathing to provide inner and outer spaced walls and means connecting the upper and lower portions of the inner and outer walls to provide a dead air space.

1,506,617. METHOD OF AND APPARATUS FOR TESTING GAS MIXTURES. OTTO DOMMER, Karlsruhe, Germany. Filed Oct. 11, 1920, Serial No. 416,280. Renewed July 8, 1924. 23 Claims. (Cl. 23—3).



8. The method of testing gases which consists in submitting the gas at different stages to reactions operating upon the gas by its viscosity and by its specific gravity respectively, and determining the change produced in the gas between the said stages.

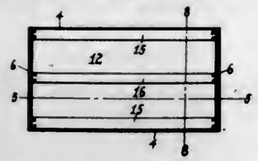
1,506,618. TOOL. BYRON H. DURHAM, Mulliken, Mich. Filed July 14, 1923. Serial No. 651,677. 1 Claim. (Cl. 33—201.)



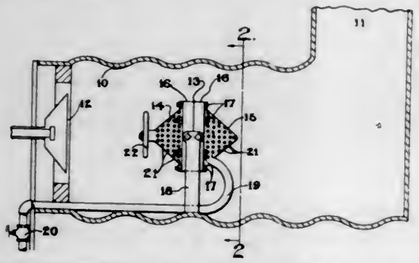
A tool of the class described comprising a body having an enlarged part having a slot therein and a substantially V-shaped recess, a projection on the body extending into the recess and forming a stationary jaw, a movable member comprising a shank and a head, said shank engaging said slot and having a scale thereon and the head forming at one side a jaw for cooperating with the first mentioned jaw and having a recess on the opposite side of substantially V-shape and forming a gage and a bolt for locking the movable member in adjusted position.

1,506,619. SHIPPING BOX. EDWARD T. DYSON, Oakland, Calif. Filed Jan. 21, 1920. Serial No. 353,046. 11 Claims. (Cl. 217—17.)

1. A box including end walls of substantial thickness, a bottom and sides of light material secured to said end walls, slats on the outside of said bottom secured to said end walls, flanges on the ends of said bottom bent up against the outside of said end walls, and slats secured to said end walls against said flanges.

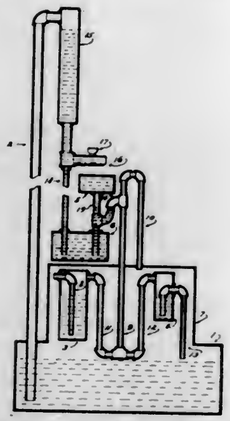


1,506,620. COMBUSTION-PROMOTING DEVICE. DADI EGGERTSON, Baltimore, Md. Filed Apr. 18, 1922. Serial No. 554,801. 1 Claim. (Cl. 110—75.)



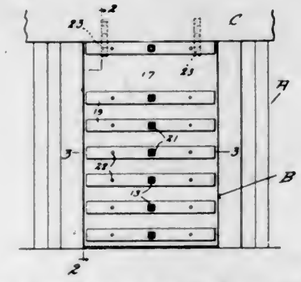
In the combination with a furnace having a burner disposed therein in a manner so that it will play its flame horizontally, vertically disposed brackets arranged within said furnace, hollow perforated conical shaped members having therein bases secured together and means supported by the brackets in a manner to be arranged in alignment with the burner, means for supplying air to the members and a deflector plate arranged between the burner and the members as and for the purpose specified.

1,506,621. STATIONARY CHEMICAL-MIXING FIRE-EXTINGUISHING SYSTEM. JOHN W. ENRIGHT, New Orleans, La. Filed Oct. 7, 1920. Serial No. 415,275. 2 Claims. (Cl. 169—8.)



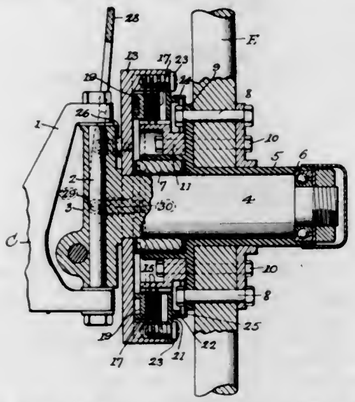
1. In a chemical mixing fire extinguisher system, a carbonate solution tank, an acid receptacle positioned in operative relation to said tank having the upper part thereof closed to form an air chamber, a siphon affording communication between said receptacle and said tank, a pressure equalizing pipe communicating with said tank and having an upwardly turned branch communicating with said air chamber, said pipe normally being open throughout its length for balancing the pressure on both sides of the body of acid in said receptacle, but adapted upon occasion to receive and sustain an unbalancing liquid column, an elevated reservoir normally containing sufficient liquid to form said unbalancing column, a pipe having an upward bend connecting said reservoir and pressure equalizing pipe, said bend being normally filled with mercury forming a seal, a distributing system including a stand pipe communicating with said mercury seal and maintaining the level of the mercury therein sufficiently high to prevent discharge of the liquid contained in said reservoir into said pressure equalizing pipe, a sprinkler head communicating with said distributing system, said mercury seal being lowered, upon the depletion of the column of liquid in said distributing system through said sprinkler head, sufficiently to permit discharge of the liquid from said reservoir into said pressure equalizing pipe, forming an unbalancing column of sufficient height to initiate the siphonic discharge of acid from said acid receptacle into said carbonate solution tank.

1,506,622. HOG DOOR. HENRY FINTEL, Paullina, Iowa. Filed Nov. 10, 1923. Serial No. 674,021. 5 Claims. (Cl. 20—16.)



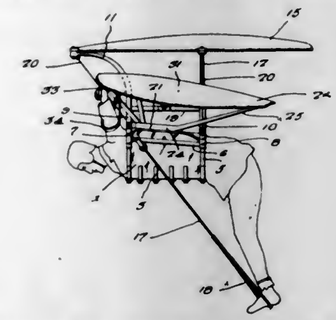
1. A door of the character described comprising a sheet of fabric, a pair of chains disposed against said sheet, a plurality of pairs of slats located against opposite sides of the assembled sheet and chains, clamping bolts passing through the slats at one side of the sheet and passing through said chains, and clamping bolts passing through the slats of each pair and through the fabric sheet.

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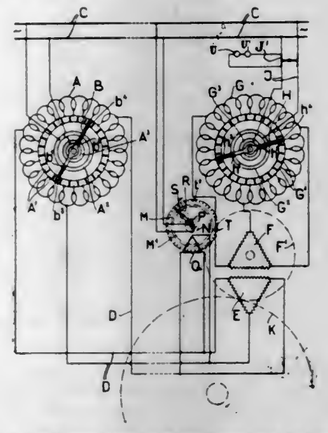
2. A disk brake for automobiles comprising an inner drum attached to a wheel, an outer stationary drum, a stop ring attached thereto, a movable pressure ring, friction disks between the two rings, an operating member pivoted on the outer drum, and means connecting the operating member directly to the pressure ring.

1,506,624. FLYING APPARATUS. MICHELE FORCHIONE, Chicago, Ill. Filed Apr. 19, 1923. Serial No. 633,157. Renewed July 7, 1924. 1 Claim. (Cl. 244—17.)



A flying machine comprising a fabric belt designed to be strapped around the body of an aviator, spaced posts secured to and projecting upward from the belt, a stabilizing plane and rudder secured to the posts, a reinforcing bar between the said posts, flexible elements connected to the sides of the belt and having stirrups for the feet of the aviator, a central reinforcement on the belt, aligned knuckles on the central reinforcement of the belt, wings having the inner members of their frame provided with knuckles to interengage with the first mentioned knuckles and with each other, a single pintle passing through the knuckles and pivoting both wings in place, anti-frictional elements carried by the pintle for engagement with all of the knuckles, hand grips on the wings engageable by the hands of the aviator, spring means secured to said reinforcing bar and the wings and influencing the wings in an upward direction, and means carried by said reinforcing bar and extending laterally thereof for limiting the movement of said wings in such direction.

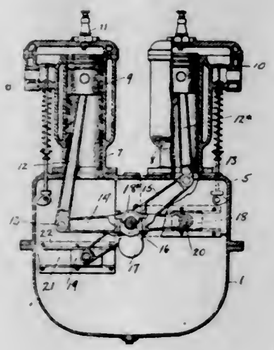
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1. In an apparatus for transmitting rotary movements to a distance, the combination of a source of current, a transmitter connected to said source, a receiver having a stator member and a rotor member, electric connections

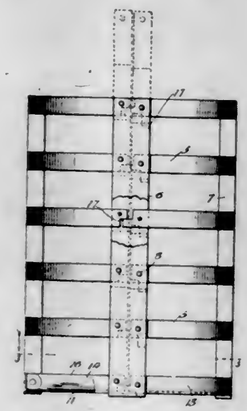
between the transmitter and one of said members, electric connections with disconnecting means between the other of said members and the said source, a second similar receiver having a stator and a rotor, one of said members being in constant conection with said transmitter and the other member with said source and means for indicating the relative angular positions of said rotors.

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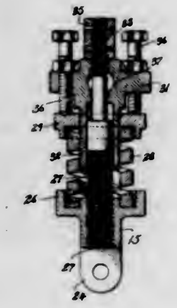
1. A mechanical movement for internal combustion engines in combination with a crank shaft and connecting rods therefor, pivotally connected levers attached to the ends of the connecting rods and mounted on the crank shaft of the engine and sliding blocks attached to the opposite end of the levers for movement therewith in opposite directions upon the reciprocation of the connecting rods.

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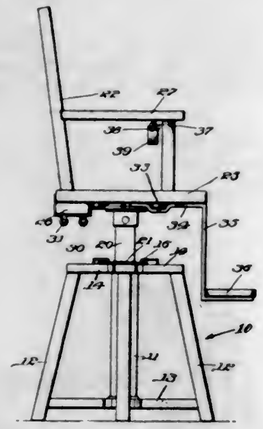
1. A crate comprising a plurality of struts, a plurality of hoops each of said hoops comprising a plurality of segments having their ends movably connected one to each of said struts whereby said hoops may be folded upon themselves, and floor sections for the said crate, said sections being movably connected to said struts, and means for normally retaining the parts of said crate in extended positions with respect to each other.

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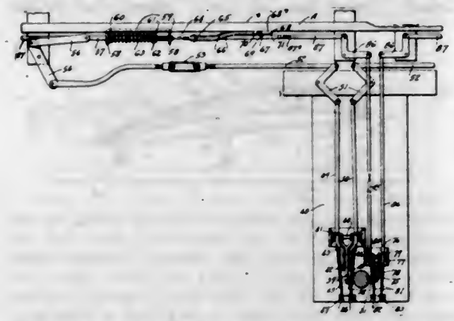
1. A pressure compensator constructed as a part of a toggle used to swing a press lever, comprising a base attachable to a toggle part; a pressure block attachable to the aforesaid press lever; an adjustable stem threaded into one of the aforesaid parts to vary the distance between the base and block; a compression spring bearing at one end on the base; a cap bearing on the opposite end of the spring; and adjusting screws mounted in the pressure block and bearing against the cap to vary the compression of the spring.

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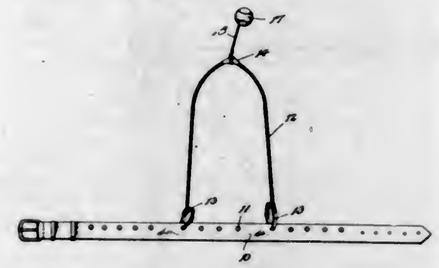
1. A device of the class described comprising a pedestal having a hollow standard, an adjustable post disposed in the standard, means for retaining said post in adjusted position, a sectional seat swiveled to said post, a pair of filler blocks adapted to be positioned between the sections of said seat, means for supporting the blocks when the outer sections of said seat are in closed position, means for supporting said blocks when the outer sections are in open position, a back secured to the center section of said seat and adjustable side arms supported upon the outer sections of said seat and hinged to said back.

1,506,630. HIGHWAY-CROSSING SIGNAL FOR RAILWAYS. CARL R. GRAVES, Clarion, Iowa. Filed Apr. 5, 1922. Serial No. 549,777. 6 Claims. (Cl. 246—294.)



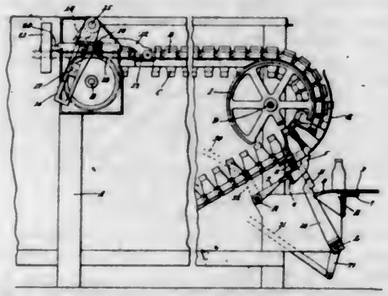
1. In a signal, a shiftable signal member and actuating means therefor including a pivoted arm operatively connected to the signal and movable to affect the same, a pair of pivoted arms independent of each other and associated with the first named arm, the movement of either of the second named arms in one direction acting to shift the first named arm in a direction to affect the signal but not affecting the other of the second named arms, and separate train actuated means operatively connected to the second named arms.

1,506,631. EXERCISING DEVICE. ROY A. GROVER, Seattle, Wash. Filed July 20, 1922. Serial No. 576,377. 5 Claims. (Cl. 46—69.)



2. An exercising device including a resistance member, a sleeve slidable thereon, a handle, and a flexible connection between the handle and said sleeve.

1,506,632. DISCHARGE MECHANISM. JOHN R. GRUETTER, Cleveland, Ohio. Filed Sept. 30, 1922. Serial No. 591,623. 29 Claims. (Cl. 198—20.)

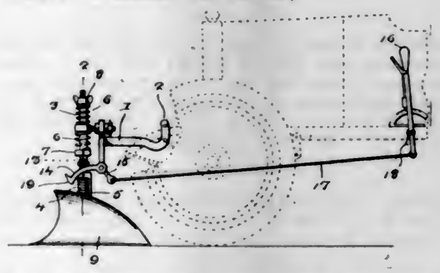


1. In a discharge mechanism for bottles, the combination of a support having a fork-shaped edge providing a slot between said forks smaller in cross section than the bottom of a bottle, and means reciprocating toward and from said forks, and including a portion small enough to enter said slot for depositing a bottle on said edge and over said slot.

1,506,633. METHOD OF MAKING LEAD PEROXIDE. MAX GRUNBAUM, New York, N. Y. Filed June 26, 1923. Serial No. 647,914. 5 Claims. (Cl. 23—13.)

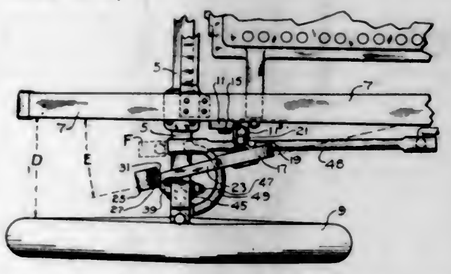
1. The herein described method of making lead peroxide which comprises heating lead sulfate in a solution of a caustic alkali, and simultaneously admitting chlorine gas to the solution.

1,506,634. PLOW. CHARLES ALBERT HARTSHORN, Orogrande, N. Mex. Filed Nov. 4, 1922. Serial No. 599,074. 2 Claims. (Cl. 32—44.)



1. An attachment for a motor vehicle comprising a bracket adapted to be connected with the vehicle at each side of the front thereof, a two-part stem yieldingly supported by each bracket, spring means for normally holding the two parts of the stem in vertical alignment and a plow connected with the lower end of each stem and arranged in front of each front wheel of the vehicle.

1,506,635. SHOCK-ABSORBER MOUNTING FOR VEHICLES. ROBERT H. HASSLER, Indianapolis, Ind. Filed June 5, 1922. Serial No. 565,814. 5 Claims. (Cl. 267—9.)

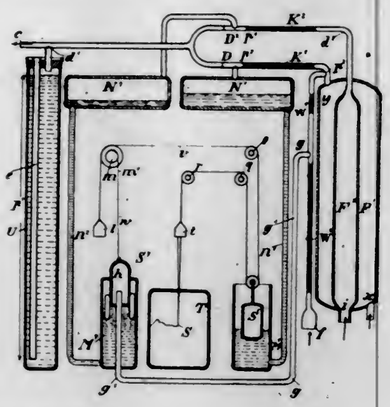


1. In a device of the class described, in combination with a frame element, an axle element, and a spring element supporting the frame element, a shock absorber, an actuator arm outwardly disposed from said shock absorber and connected to the axle element, and pivotal means for mounting the shock absorber on the frame element, said means being adapted to permit a lateral movement of said actuator arm and said shock absorber in a horizontal plane.

1,506,636. FUEL-INJECTING MEANS FOR INTERNAL-COMBUSTION ENGINES. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Apr. 11, 1922. Serial No. 551,705. 4 Claims. (Cl. 123—32.)

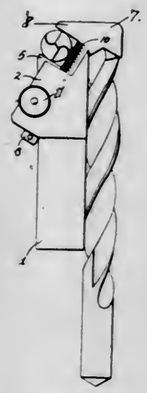
1. In an internal combustion engine, the combination with a cylinder, of a piston therein, a cylinder cover, a piston head, and fuel introducing means, said cover

1,506,617. METHOD OF AND APPARATUS FOR TESTING GAS MIXTURES. OTTO DOMMER, Karlsruhe, Germany. Filed Oct. 11, 1920, Serial No. 416,280. Renewed July 8, 1924. 23 Claims. (Cl. 23—3).



8. The method of testing gases which consists in submitting the gas at different stages to reactions operating upon the gas by its viscosity and by its specific gravity respectively, and determining the change produced in the gas between the said stages.

1,506,618. TOOL. BYRON H. DURHAM, Mulliken, Mich. Filed July 14, 1923. Serial No. 651,677. 1 Claim. (Cl. 33—201.)



A tool of the class described comprising a body having an enlarged part having a slot therein and a substantially V-shaped recess, a projection on the body extending into the recess and forming a stationary jaw, a movable member comprising a shank and a head, said shank engaging said slot and having a scale thereon and the head forming at one side a jaw for cooperating with the first mentioned jaw and having a recess on the opposite side of substantially V-shape and forming a gage and a bolt for locking the movable member in adjusted position.

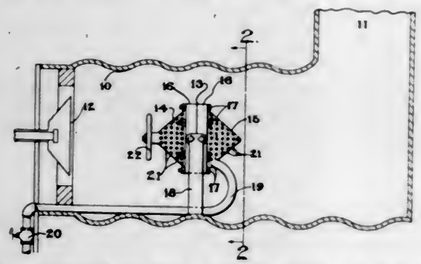
1,506,619. SHIPPING BOX. EDWARD T. DYSON, Oakland, Calif. Filed Jan. 21, 1920. Serial No. 353,046. 11 Claims. (Cl. 217—17.)

1. A box including end walls of substantial thickness, a bottom and sides of light material secured to said end walls, slats on the outside of said bottom secured to said end walls, flanges on the ends of said bottom bent up



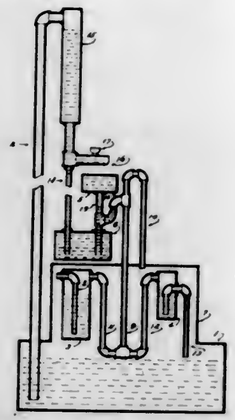
against the outside of said end walls, and slats secured to said end walls against said flanges.

1,506,620. COMBUSTION-PROMOTING DEVICE. DADI EGGERTSON, Baltimore, Md. Filed Apr. 18, 1922. Serial No. 554,801. 1 Claim. (Cl. 110—75.)



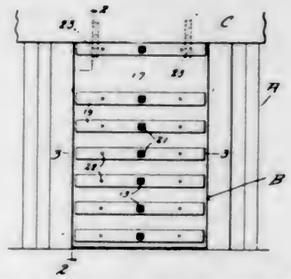
In the combination with a furnace having a burner disposed therein in a manner so that it will play its flame horizontally, vertically disposed brackets arranged within said furnace, hollow perforated conical shaped members having therein bases secured together and means supported by the brackets in a manner to be arranged in alignment with the burner, means for supplying air to the members and a deflector plate arranged between the burner and the members as and for the purpose specified.

1,506,621. STATIONARY CHEMICAL-MIXING FIRE-EXTINGUISHING SYSTEM. JOHN W. ENRIGHT, New Orleans, La. Filed Oct. 7, 1920. Serial No. 415,275. 2 Claims. (Cl. 169—8.)



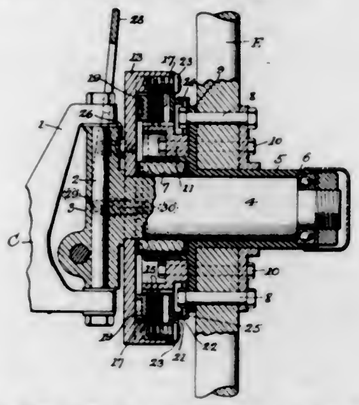
1. In a chemical mixing fire extinguisher system, a carbonate solution tank, an acid receptacle positioned in operative relation to said tank having the upper part thereof closed to form an air chamber, a siphon affording communication between said receptacle and said tank, a pressure equalizing pipe communicating with said tank and having an upwardly turned branch communicating with said air chamber, said pipe normally being open throughout its length for balancing the pressure on both sides of the body of acid in said receptacle, but adapted upon occasion to receive and sustain an unbalancing liquid column, an elevated reservoir normally containing sufficient liquid to form said unbalancing column, a pipe having an upward bend connecting said reservoir and pressure equalizing pipe, said bend being normally filled with mercury forming a seal, a distributing system including a stand pipe communicating with said mercury seal and maintaining the level of the mercury therein sufficiently high to prevent discharge of the liquid contained in said reservoir into said pressure equalizing pipe, a sprinkler head communicating with said distributing system, said mercury seal being lowered, upon the depletion of the column of liquid in said distributing system through said sprinkler head, sufficiently to permit discharge of the liquid from said reservoir into said pressure equalizing pipe, forming an unbalancing column of sufficient height to initiate the siphonic discharge of acid from said acid receptacle into said carbonate solution tank.

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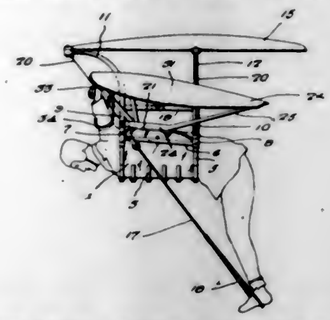
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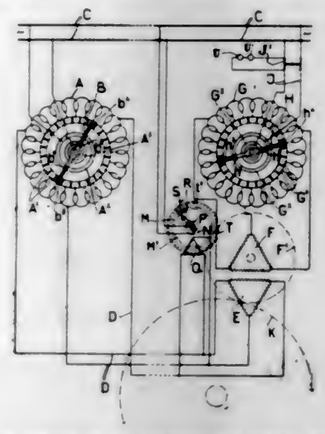
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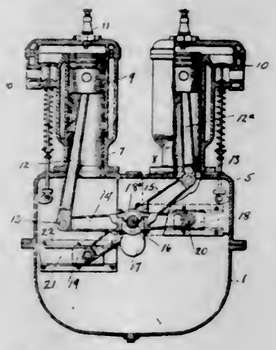
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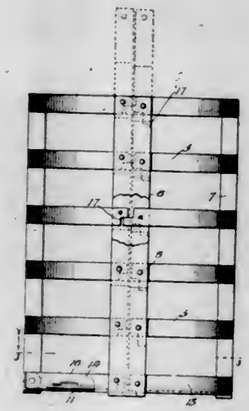
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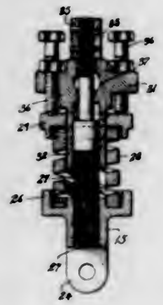
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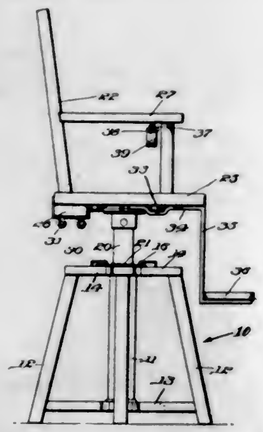
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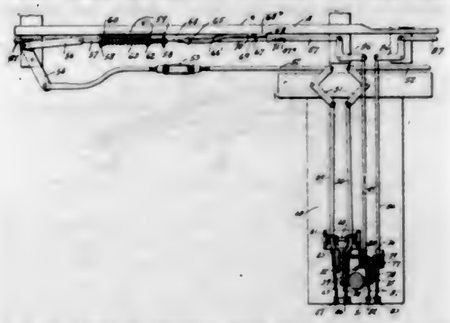
1. A pressure compensator constructed as a part of a toggle used to swing a press lever, comprising a base attachable to a toggle part; a pressure block attachable to the aforesaid press lever; an adjustable stem threaded into one of the aforesaid parts to vary the distance between the base and block; a compression spring bearing at one end on the base; a cap bearing on the opposite end of the spring; and adjusting screws mounted in the pressure block and bearing against the cap to vary the compression of the spring.

1,506,629. HIGH CHAIR. GEORGE H. GIFFIN, Miami, Fla. Filed May 12, 1924. Serial No. 712,883. 2 Claims. (Cl. 155—115.)



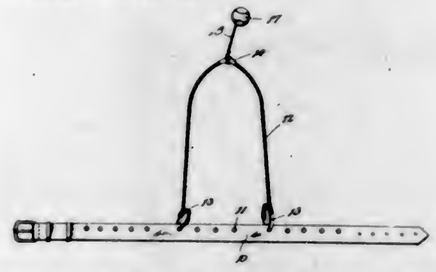
1. A device of the class described comprising a pedestal having a hollow standard, an adjustable post disposed in the standard, means for retaining said post in adjusted position, a sectional seat swiveled to said post, a pair of filler blocks adapted to be positioned between the sections of said seat, means for supporting the blocks when the outer sections of said seat are in closed position, means for supporting said blocks when the outer sections are in open position, a back secured to the center section of said seat and adjustable side arms supported upon the outer sections of said seat and hinged to said back.

1,506,630. HIGHWAY-CROSSING SIGNAL FOR RAILWAYS. CARL R. GRAVES, Clarion, Iowa. Filed Apr. 5, 1922. Serial No. 549,777. 6 Claims. (Cl. 246—294.)



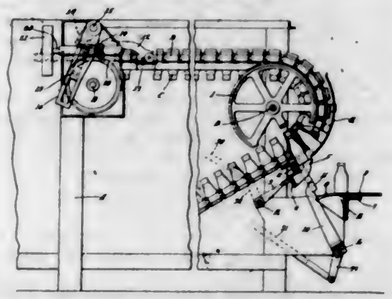
1. In a signal, a shiftable signal member and actuating means therefor including a pivoted arm operatively connected to the signal and movable to affect the same, a pair of pivoted arms independent of each other and associated with the first named arm, the movement of either of the second named arms in one direction acting to shift the first named arm in a direction to affect the signal but not affecting the other of the second named arms, and separate train actuated means operatively connected to the second named arms.

1,506,631. EXERCISING DEVICE. ROY A. GROVER, Seattle, Wash. Filed July 20, 1922. Serial No. 576,377. 5 Claims. (Cl. 46—69.)



2. An exercising device including a resistance member, a sleeve slidable thereon, a handle, and a flexible connection between the handle and said sleeve.

1,506,632. DISCHARGE MECHANISM. JOHN R. GRUETTER, Cleveland, Ohio. Filed Sept. 30, 1922. Serial No. 591,623. 29 Claims. (Cl. 198—20.)

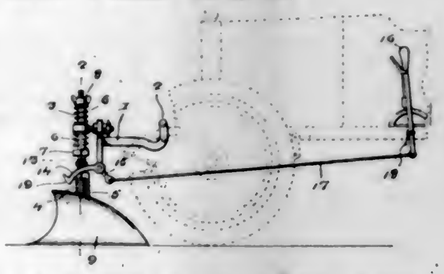


1. In a discharge mechanism for bottles, the combination of a support having a fork-shaped edge providing a slot between said forks smaller in cross section than the bottom of a bottle, and means reciprocating toward and from said forks, and including a portion small enough to enter said slot for depositing a bottle on said edge and over said slot.

1,506,633. METHOD OF MAKING LEAD PEROXIDE. MAX GRUNBAUM, New York, N. Y. Filed June 26, 1923. Serial No. 647,914. 5 Claims. (Cl. 23—13.)

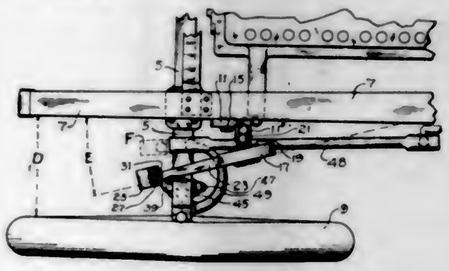
1. The herein described method of making lead peroxide which comprises heating lead sulfate in a solution of a caustic alkali, and simultaneously admitting chlorine gas to the solution.

1,506,634. PLOW. CHARLES ALBERT HARTSHORN, Orogrande, N. Mex. Filed Nov. 4, 1922. Serial No. 599,074. 2 Claims. (Cl. 32—44.)



1. An attachment for a motor vehicle comprising a bracket adapted to be connected with the vehicle at each side of the front thereof, a two-part stem yieldingly supported by each bracket, spring means for normally holding the two parts of the stem in vertical alignment and a plow connected with the lower end of each stem and arranged in front of each front wheel of the vehicle.

1,506,635. SHOCK-ABSORBER MOUNTING FOR VEHICLES. ROBERT H. HASSLER, Indianapolis, Ind. Filed June 5, 1922. Serial No. 565,814. 5 Claims. (Cl. 267—9.)

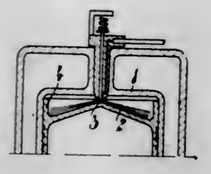


1. In a device of the class described, in combination with a frame element, an axle element, and a spring element supporting the frame element, a shock absorber, an actuator arm outwardly disposed from said shock absorber and connected to the axle element, and pivotal means for mounting the shock absorber on the frame element, said means being adapted to permit a lateral movement of said actuator arm and said shock absorber in a horizontal plane.

1,506,636. FUEL-INJECTING MEANS FOR INTERNAL-COMBUSTION ENGINES. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Apr. 11, 1922. Serial No. 551,705. 4 Claims. (Cl. 123—32.)

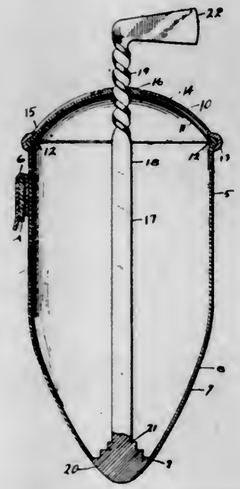
1. In an internal combustion engine, the combination with a cylinder, of a piston therein, a cylinder cover, a piston head, and fuel introducing means, said cover

and said head being shaped so that the under side of said cover and the upper side of said head diverge continuously relatively to each other from the cylinder axis substantially to the peripheral wall of the cylinder, so that a combustion chamber is obtained between the cylinder cover and the piston head, the axial length of



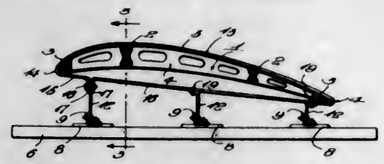
which has its smallest value near the cylinder axis and its greatest value near the cylinder wall with successive transition between said two values, the said fuel introducing means being arranged to inject the fuel in the shape of conical jets along the said piston head from the narrowest portion of the said chamber.

1,506,637. DISPENSING CONTAINER. HARRY HIRSCH, New York, N. Y. Filed Dec. 26, 1922. Serial No. 609,014. 3 Claims. (Cl. 221—66.)



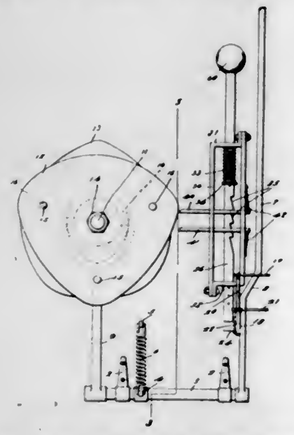
3. A dispensing container comprising a shell member whose side walls are curved inwardly toward the bottom and terminate to form a beveled valve seat, an agitator extending the length of said shell member, and twisted at a point adjacent one end of the same to form a screw portion for co-action with the walls of an opening formed in the top of said shell member, a manipulating portion formed on one end of said agitator and extending beyond the top of the shell member, a head formed on the end of said agitator, an annular beveled portion formed on said head for co-action with said beveled valve seat whereby to close the opening defined by said valve seat, a plurality of annular shoulders whose diameters increase from top to bottom, whereby movement of said manipulating portion will cause said shoulders to co-act with the walls of the valve seat for governing the flow of contents from said shoulder.

1,506,638. ADVERTISING SIGN. AUGUST B. HOOK, New York, N. Y., assignor to Night Aero Advertising Corporation, New York, N. Y., a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,550. 4 Claims. (Cl. 40—127.)



1. The combination with an aircraft having a supporting plane, and a sign under said plane; of supporting means for said sign including straps having reaches extending entirely across the upper side of said plane from front to back and lower reaches extending under said plane from front to back, and a plurality of hangers secured to each of said lower reaches of said straps.

1,506,639. ORGANIZED BUNCH-BUILDING MECHANISM FOR SPINNING OR TWISTING FRAMES. JAMES H. HOOK, JOHN P. THOMPSON, and MILO E. WOODROW, Corsicana, Tex. Filed Sept. 9, 1922. Serial No. 587,081. 3 Claims. (Cl. 242—43.7.)

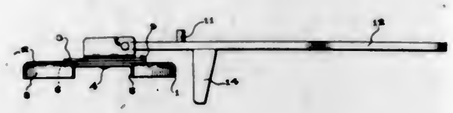


1. In an organized bunch building mechanism, the combination of a rotary member for connection with the transverse of a ring rail, movable builder means, cams in side by side relation on the rotary member and opposed to and adapted to control said movable builder means, one of the said cams being fast to the rotary member and the other cam rotatable with and movable laterally relative to the fast cam, means to move the laterally movable cam relative to the fast cam and into position to engage the builder means, and automatic means to move the laterally movable cam out of position to engage the builder means; the said automatic means including a toothed or notched rod, a spring to move the same, a trip operable by the rod when released, and catches to hold the rod against movement by the spring, said catches being cam-controlled.

1,506,640. SEALER. WILLIAM W. HUMMEL, Floyd, Iowa. Filed Dec. 8, 1922. Serial No. 605,666. 1 Claim. (Cl. 81—3.)

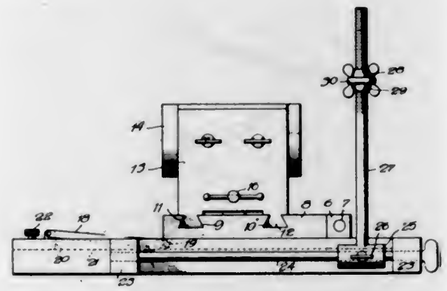
A device of the class described comprising a pair of jaw plates, each provided with a curved flange on its outer edge, a pin and slot connection between the plates, the small end of one plate having a tongue thereon and

the other plate having a slot therein for receiving the tongue and the inner end of the other plate being curved to produce a groove, a cam plate held to the grooved plate by the pivot pin and having its cam part arranged



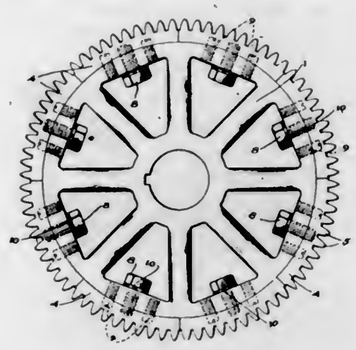
to engage the groove, a channel-shaped member held on the cam plate by the pivot pin, a handle pivoted to the channel-shaped member and a projection thereon for engaging part of the cam plate to rotate the same.

1,506,641. COMBINATION JIG AND VISE. RICHARD E. HUNKE and CHARLIE H. FRANK, Waco, Tex. Filed July 28, 1923. Serial No. 654,449. 7 Claims. (Cl. 81—41.)



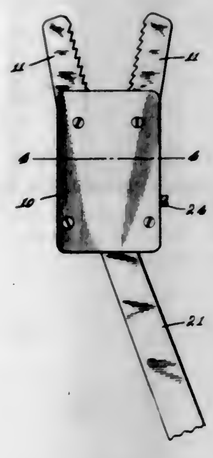
1. A combination jig and vise comprising a bed, a vise table hinged at one end to the bed, a hinged leg for holding the free end of the vise table in angularly adjusted position, and an adjustable guide bar carried by the bed and movable relatively to said vise table.

1,506,642. GEAR WHEEL. HENRY H. ILER, Hillsboro, N. C. Filed June 16, 1923. Serial No. 645,766. 1 Claim. (Cl. 74—28.)



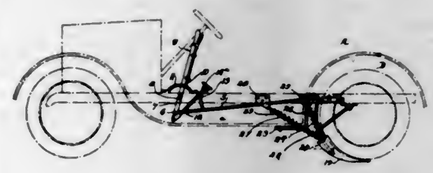
In a gear wheel, a body portion comprising a hub and rim, spokes connecting said hub and rim, a threaded bolt located between each pair of spokes and extending outwardly through the rim, dowel pins positioned at opposite sides of each of the threaded bolts and extending outwardly through the rim, and a plurality of toothed segments of small arc each provided with a threaded recess for the reception of the threaded bolt and adjacent parallel recesses in which the dowel pins are received.

1,506,643. WRENCH. JOSEPH J. JOHNSON, Savannah, Ga. Filed June 1, 1923. Serial No. 642,837. 1 Claim. (Cl. 81—42.)



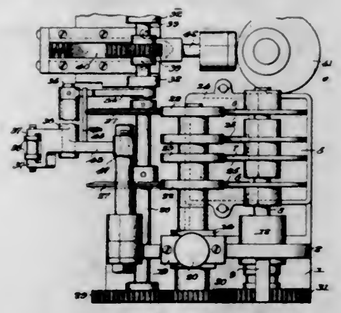
A pipe wrench comprising opposed side plates, gripping jaws pivoted between the plates, resilient means for normally holding said jaws spread apart, said jaws having oppositely curved surfaces, a lug projecting from one plate, a sliding block arranged between the jaws and having cam like edges cooperating with curved surfaces of the jaws, whereby the latter are moved into gripping relation when the block is shifted in one direction, said block being bifurcated to receive said lug, and a lever pivoted between said plates, said lever having a cam like extremity controlling the movement of said sliding block as and for the purpose specified.

1,506,644. EMERGENCY STOPPING-DEVICE. OREM JORDAN, Freedom, Pa. Filed Jan. 6, 1923. Serial No. 611,114. 3 Claims. (Cl. 188—4.)



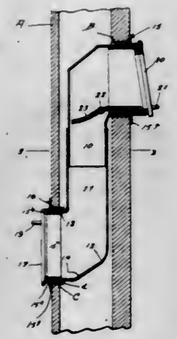
1. In braking means, a rockably mounted shaft, arms secured on said shaft, arcuate guide members, blocks slidable on said members into raised and lowered position, connections between said arms and the blocks for moving the blocks in accordance with rocking of the shaft, and means limiting downward movement of the blocks and for normally holding the blocks in raised position.

1,506,645. PASTING DEVICE FOR PACKAGING MACHINES. EUGENE G. KERLIN, Salem, Va., assignor to Comas Cigarette Machine Company, Salem, Va., a Corporation of Virginia. Filed Aug. 15, 1922. Serial No. 581,953. 10 Claims. (Cl. 91—50.)



3. A pasting device comprising a glue-pot, a delivery roller, a transfer roller and an applying roller pivoted for vertical movement and adapted to contact with the transfer roller.

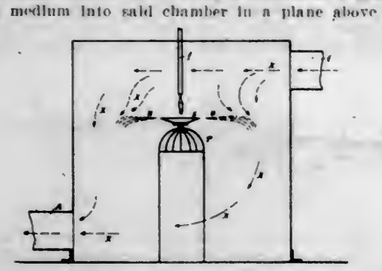
1,506,646. MAIL BOX. OLE O. KOLSTAD, Duluth, Minn. Filed June 30, 1922. Serial No. 572,001. 2 Claims. (Cl. 232—19.)



1. A mail box adapted to be built into a wall and comprising a pair of vertically arranged sections disposed in telescoping engagement whereby to be extensible or contractible, each section being substantially L-shaped whereby to provide a right angular extension adapted for location within an opening in the wall, and a face plate formed from a single sheet of metal bent upon itself to define a double ply flange engaged telescopically upon the right angular extensions and fitting within the wall opening, the face plate being further formed with a sleeve portion projecting outwardly beyond the face of the wall, the sleeve portion being spaced inwardly of the double ply flange to define a socket space receiving the free end of the right angular extension, said sleeve portion being telescoped within the right angular extension.

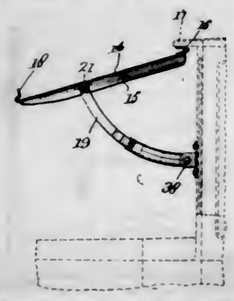
1,506,647. PROCESS OF EXSICCATING OR CONCENTRATING SOLUTIONS. GEORG ALEXANDER KRAUSE, Munich, Germany, assignor to the Firm Eduard Greutert & Cie., Basel, Switzerland. Filed June 19, 1920. Serial No. 390,304. 1 Claim. (Cl. 159—48.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

The herein described method of desiccating liquid or semi-liquid substance, which consists in feeding the substance to be treated in unatomized condition into a closed chamber, atomizing the substance by spreading it out horizontally into the form of a relatively thin disc in said chamber, introducing a current of a gaseous drying medium into said chamber in a plane above and



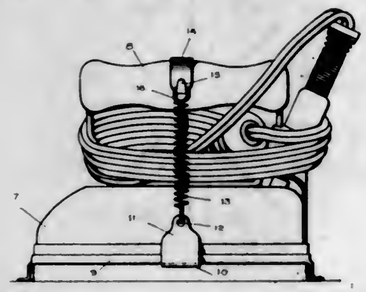
substantially parallel with the disc of the substance being treated, and exhausting said current out of the chamber in a plane below said disc.

1,506,648. AUTOMOBILE VISOR. DAVID C. LAMB, Nappanee, Ind. Filed Dec. 19, 1922. Serial No. 607,835. 3 Claims. (Cl. 296—95.)



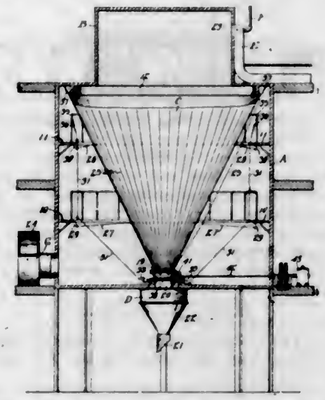
1. An adjustable support for vehicle visors and the like comprising an elongated channel member, an elongated latch having a latch nose provided with an outer flaring part, means for securing said latch member to the channel member at the end opposite the nose, said channel member being constructed to confine the latch member except at the outer end thereof, and a bar engageable with the flaring nose of the latch member to pry said member away from the channel member whereby to permit insertion of the bar adjustably between the channel member and latch, said latch adapted to cooperate with said bar to hold it in adjusted position.

1,506,649. SADIRON-STAND HOLDER. FRED A. LOTTE, Canton, Ohio. Filed Dec. 7, 1923. Serial No. 679,154. 1 Claim. (Cl. 24—17.)



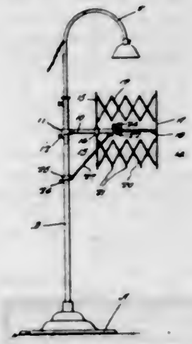
A device for holding together a sad iron and stand comprising a stirrup to extend under and support the stand, a saddle to extend across and seat on the handle of the iron, and elastic springs connecting the ends of the saddle and stirrup, said saddle being of shorter length than the stirrup and the springs converging upwardly.

1,506,650. DRYING APPARATUS. GERALD A. LOUGH, Plainfield, N. J. Filed Nov. 29, 1920. Serial No. 427,149. 12 Claims. (Cl. 159—4.)



1. A drying apparatus of the character described comprising a drying chamber, means for introducing the product to be dried and heated air at the top of said chamber, a cone-shaped screen mounted with its point extending toward the bottom of said chamber, a discharge for the dried product from the bottom of said screen, beaters about the screen, a circular series of levers about the discharge outlet connected to said beaters, and means rotating about said outlet to actuate said levers in succession, substantially as set forth.

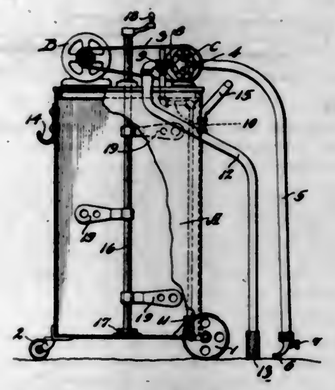
1,506,651. HOOK HOLDER. FRANK A. MCGUIRE, Cherryvale, Kans. Filed Sept. 8, 1923. Serial No. 661,665. 3 Claims. (Cl. 45—32.)



1. A device of the character described comprising an upright support, upper and lower brackets adjustably slidably mounted thereon, an arm pivotally connected with the upper bracket, a frame journally mounted on said arm, a brace, pivotally connected with the lower bracket and with said arm, a pawl carried by the arm, and a toothed disk forming part of the frame and engaged by the pawl for holding the frame at an adjusted position.

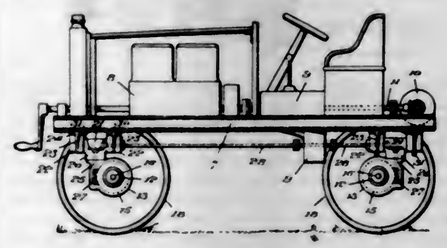
1,506,652. PORTABLE AUXILIARY PUMP. HARRY MAKER, Milwaukee, Wis., assignor of one-half to Philip A. Kuehring, Milwaukee, Wis. Filed Sept. 10, 1923. Serial No. 662,002. 2 Claims. (Cl. 221—80.)

1. In a portable lubricating apparatus of the class described, comprising in combination a portable wheeled tank adapted to be rolled about in a factory from machine to machine, a lubricant pump mounted on said tank, supply pipes, one intermediate said pump and the interior of the tank, and one flexible and leading from the pump exterior of the tank and adapted to have its supply end inserted in the oil sump of a metal or similar working machine, a flexible feed pipe leading from the pump



and adapted to extend some distance from the tank to supply a cooling lubricant to a cutting tool of a machine, a lubricant feed nozzle carried by said feed pipe, and means to connect the feed pipe with either supply pipe, together with operating means for said pump.

1,506,653. FOUR-WHEEL DRIVE AND STEERING TRACTOR. CHARLES MEILIKE, Clintonville, Wis. Filed Apr. 19, 1921. Serial No. 462,561. 1 Claim. (Cl. 180—49.)

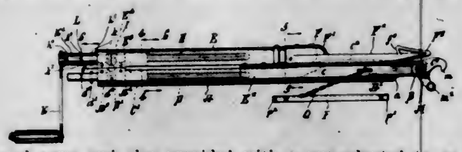


A device of the character described comprising a pair of substantially horizontal bearings spaced apart, a horizontal member having end portions fitted in said bearings and having a depending bearing between the first named bearings, an axle housing below one of the firstnamed bearings, a differential gearing in said housing including a worm wheel rotatable about the axis of the housing, axle shafts extending from said gearing in opposite directions within said housing coaxial with said wheel, ground wheels secured on the opposite ends of said axle shafts coaxial with the axle shafts and housing, said housing being formed with an upstanding and offset to one side of the axis of said housing and ground wheels and pivotally engaging said depending bearing, a substantially vertical shaft spaced to one side of said axis and journaled in said stud and having a worm meshing with said wheel at one side of the aforesaid axis, and a horizontal shaft entering one end portion of said member, and geared to the upper end of said vertical shaft.

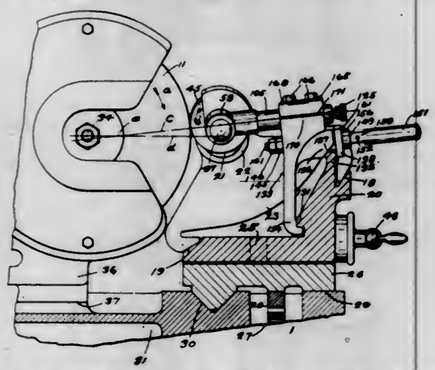
1,506,654. DEVICE FOR REMOVING PNEUMATIC TIRES OF THE CLINCHER TYPE. ANDRÉ JULES MICHELIN, Clermont-Ferrand, France. Filed Dec. 1, 1922. Serial No. 604,350. 4 Claims. (Cl. 157—6.)

1. A tool for removing pneumatic tires comprising two hollow arms arranged to swing in the same plane about a pivot, a screw journaled in each arm, a pusher arm provided with a head adapted to engage the tire and slidably mounted in one of said arms and provided with a

nut engaging said screw, and a stripper arm carrying a stripper head slidably mounted in the other of said pivoted arms and also provided with a nut adapted to engage the corresponding screw, with means for rotating either of said screws as desired.

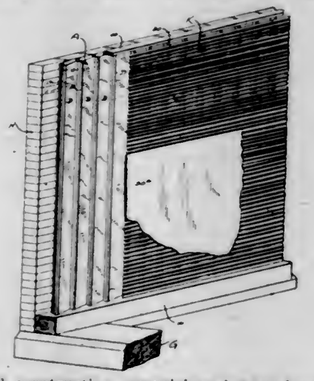


1,506,655. MECHANISM FOR TRUING AND DRESSING GRINDING WHEELS. JAMES F. MIRRIELEES, Cincinnati, Ohio, assignor to The Precision Truing Machine and Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 5, 1923. Serial No. 622,888. 21 Claims. (Cl. 125—11.)



1. In mechanism for truing and dressing grinding wheels, the combination of a normally quiescent rotary abrading part for coaction with a rotary grinding wheel, a support for said rotary abrading part comprising a shank, a table comprising a guide and a rail, and a clamp comprising a bearing for said shank and clamping means, means for permitting adjustment of said shank in said bearing, said clamping means comprising a jaw for coaction with said guide and a movable jaw, a spring normally retracting said movable jaw, and a handle comprising a cam for clamping said movable jaw to said rail.

1,506,656. BUILDING CONSTRUCTION. WILLIAM MURPHY, Montreal, Quebec, Canada. Filed Aug. 2, 1923. Serial No. 655,321. 6 Claims. (Cl. 20—4.)



1. A wall construction comprising elongated vertically arranged interlocked relatively offset planks encased in outer and inner finishings to provide air spaces at the sides of said interlocked planks.

1,506,657. LUMBER-SORTING DEVICE. LEON NORDSTRÖM and KARL EINAR RUPERT LÖFGREN, Stockholm, Sweden. Filed July 26, 1922. Serial No. 577,637. 4 Claims. (Cl. 214—11.)



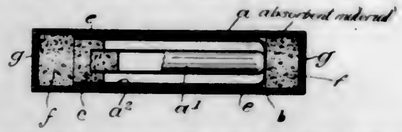
1. The combination with a lumber sorting plant comprising a sorting place, a plurality of collecting places or compartments, and endless conveyor chains running between said sorting place and said collecting places, of discharging devices at said collecting places, an operating device comprising rotary discs the number of which corresponds to the number of collecting places, movable teeth on said rotary discs, and means for actuating said discharging means by said teeth, substantially as and for the purpose set forth.

1,506,658. TELESCOPE. FRANK J. NOWAK, Washington, D. C. Filed May 27, 1922. Serial No. 564,104. 1 Claim. (Cl. 88—32.)



A telescope comprising a casing, a bearing member extending transversely of the casing and spaced from the ends thereof and provided with a central opening, a lens at one end of the casing and disposed axially of the bearing member openings, a tubular member extending from the other bearing member opening through the end of the casing, a lens at the inner end of the bearing member, threaded shafts disposed longitudinally of the casing and having their ends mounted for rotation in the bearing members, a frame disposed transversely between and engaging the threaded shafts, whereby rotation of the latter will move the frame longitudinally of the casing, a lens within the frame and means located within the casing between one end of the latter and the adjacent bearing member, whereby the shafts may be rotated.

1,506,659. DISTRIBUTOR-CONTAINER FOR HOLDING AND DIFFUSING DISINFECTANTS, DEODORANTS, AND THE LIKE. PATRICK S. O'DONNELL, London, England. Filed Nov. 17, 1923. Serial No. 675,314. 1 Claim. (Cl. 299—24.)



A dispensing container comprising an open ended tube of absorbent material, a puncturable container impervious to liquid, arranged in said tube and having an open end, a closure for said end and closures for the ends of said tube, said last named closures bearing against the ends of said puncturable container, and a puncturable inner container in the first named puncturable container and arranged with one end secured in the closure of the first named puncturable container.

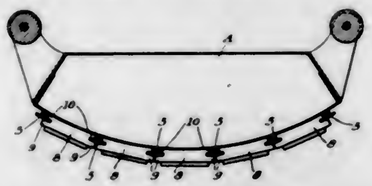
1,506,660. GREASE CUP. DONALD P. ORDWAY, Battle Creek, Mich., assignor to American Stamping Co., Battle Creek, Mich., a Corporation of Michigan. Filed Mar. 29, 1922. Serial No. 547,660. 5 Claims. (Cl. 184—48.)

2. A grease cup having interior integral protuberances, adjacent its inner upper edge formed by depressing portions of the metal of the cup at its upper edge and inner side thereby producing inwardly projecting protuberances at the bottom of the depression; a cover; and a locking



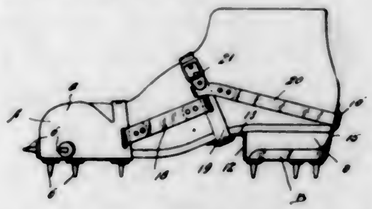
member in the cover having a depending portion adapted to engage the protuberances to prevent casual unscrewing of the cover.

1,506,661. TYPE MEMBER FOR PRINTING STAMPS. WILLIAM J. PANNIER, Jr., Pittsburgh, Pa., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1922. Serial No. 536,806. 3 Claims. (Cl. 101—380.)



1. A printing device comprising a frame having a type carrying face, a plurality of holding bars extending across said face, and resilient type blocks interposed between said bars, said blocks having grooves in the bar engaging edges thereof in which the bar is received, said grooves having a depth substantially equal to half the width of the bars, whereby the bar will be overlapped across substantially half its width by said type block and adjacent rows of type thereby have abutting edges, the distance between the bars being substantially greater than the width of the bars.

1,506,662. SHOE PROTECTOR. JOSEPH H. PELLEN, Mohonk Lake, N. Y. Filed Feb. 10, 1923. Serial No. 618,207. 1 Claim. (Cl. 36—63.)



A shoe attachment comprising a heel receiving member, a horizontally disposed stud carried at the rear side of the heel receiving member, a toe receiving member, horizontally disposed studs carried by the toe receiving member and being disposed one of them at the forward end of the toe receiving member and another at the side of said member, an instep circumscribing strap connected with the forward portion of the heel receiving member, a heel strap connected at its end with the side portion of the instep circumscribing strap and passing through the rear portion of the heel receiving member and side straps connected at their forward ends with the toe receiving member and connected at their rear ends with the side portions of the instep circumscribing strap.

1,506,663. TREATMENT OF OXIDIZED ORES. WALTER GEORGE PERKINS, London, England, assignor, by mesne assignments, to Metals Production Company of North America, Incorporated, New York, N. Y. Filed Sept. 20, 1921. Serial No. 502,069. 13 Claims. (Cl. 75—17.)

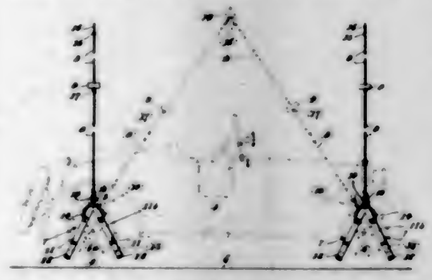
1. A process for the treatment of oxidized ores which comprises imparting magnetic properties to the oxidized ore particles containing the desired metal by heating them in the presence of a compound of sulphur and a magnetizable metal in an atmosphere which will not react vigorously with the materials to remove sulphur rapidly substantially as set forth.

1,506,664. EYESHADE OR GLARESHIELD. WINFORD D. PICKARD, Norman, Okla. Filed Feb. 7, 1924. Serial No. 691,269. 2 Claims. (Cl. 2—12.)



1. An eye shade comprising, a one-piece body portion of flexible material of substantially concavo-convex contour, a head strap secured to said body along the concave side thereof, and a resilient stiffening means along the convex marginal portion of said body, the ends thereof terminating forwardly of and out of contact with said head strap and having an inherent means for retaining the forward portion of the shade in upturned position before the face of a wearer.

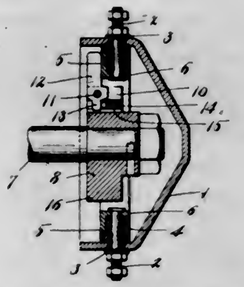
1,506,665. AUTOMOBILE HOISTING APPARATUS. EDWARD TRAY, Jersey City, N. J. Filed Nov. 22, 1923. Serial No. 676,310. 4 Claims. (Cl. 294—78.)



1. A hoisting apparatus for automobiles, comprising a double hook adapted to be applied to each wheel and to engage the lower tread portion of the same at points spaced laterally on each side of its vertical axis, an

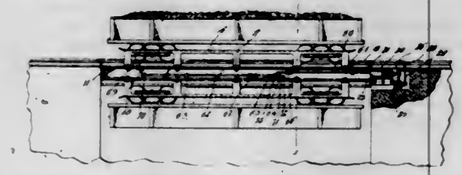
arcuate loop carried by each double hook, separate slings for the front and the rear wheels having hooks slidably removably engaging the arcuate loops on said double hooks, and a spreader for each sling extending transversely of said automobile for preventing the slings from engaging the same.

1,506,666. TIMER FOR INTERNAL-COMBUSTION ENGINES. LILLIAN L. RANDALL, Boston, Mass. Filed Jan. 9, 1920, Serial No. 350,318. Renewed June 21, 1924. 5 Claims. (Cl. 200—24.)



1. A timer for internal combustion engines comprising a ring of insulating material, a series of fixed contact plates set into the side face of the ring with their faces flush with the face of the ring and each having a projection extending over the inner periphery of the ring, a post connected to each of said projections and extending radially through the ring, a rotating carrier concentric with the ring having a slotted lug at one side and a counter-balancing lug at the other side, a radially disposed contact finger pivotally mounted in the slot, and a spring mounted on the carrier pressing the contact finger in an axial direction against the side face of the ring and its inset contact plates.

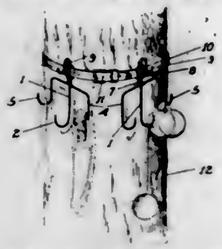
1,506,667. DUMP. CHARLES BRUSTER ROARK, Elbert, W. Va., assignor of one-half to Posey G. McBride, Elbert, W. Va. Filed Nov. 20, 1922. Serial No. 602,100. 6 Claims. (Cl. 214—52.)



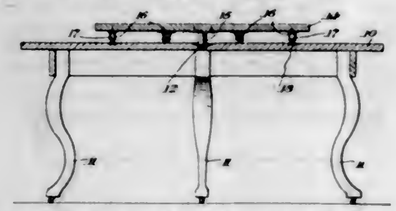
1. A car dumping apparatus comprising a normally inclined platform mounted for rotation, means carried by the opposite faces of the platform for supporting the car thereon, means for holding the platform stationary, said car being turned one-half revolution by the weight supported thereby, subsequent to the release of the platform, stops associated with the platform projecting the movement of a loaded car as it passes upon the platform and holding the car in its longitudinal displacement, said stops being susceptible of sliding movement, means for retracting the stops to an inactive position and operable incident to the rotation of the platform, and means for projecting the stops to an active position just prior to the proper positioning of a loaded car thereon.

1,506,668. UTILITY HOOK CLUSTER. SAMUEL S. ROSE and SUSAN L. SWORE, San Jose, Calif. Filed Oct. 15, 1923. Serial No. 668,533. 2 Claims. (Cl. 248—22.)

2. A hook cluster comprising a central wire having a hook on one end, wires to the sides of the central wire, and hooks on the lower ends of said side wires, the latter being bent toward the central wire and being then wrapped around the latter, said central wire being turnable in said wrappings whereby to enable the hook thereon to assume different positions relative to the other hooks.

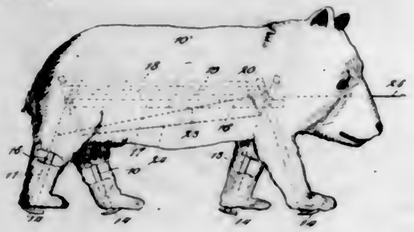


1,506,669. SERVING TABLE. HILLAND BORDEN SARISTON, West Asheville, N. C. Filed Dec. 23, 1922. Serial No. 608,763. 1 Claim. (Cl. 45—26.)



A device of the character described comprising a circular table provided centrally of its top with a flanged socket member let thereinto with the flange seating flush with the table top, a circular track arranged in concentric relation to said socket and let into the table top whereby to be flush therewith, an auxiliary table of circular formation carrying a centrally located depending trunnion rotatably engaged within said socket, a plurality of wheeled brackets on the underside of the auxiliary table riding upon said track, said auxiliary table being removable from engagement upon the main table, in combination with means for closing said socket whereby to make the entire table top flush for use independently of the auxiliary table.

1,506,670. WALKING ANIMAL TOY. RYUJI SATO, New York, and UMEKICHI ITO, Bronx, N. Y. Filed Apr. 22, 1921. Serial No. 463,553. 3 Claims. (Cl. 46—40.)



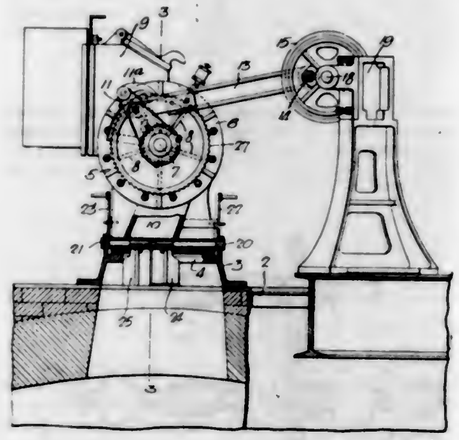
1. A toy animal comprising a body portion, a framework secured in said body portion, a pair of front leg members pivoted at one end of said framework, a pair of rear leg members pivoted at the opposite end of said framework, a link for each rear leg member and pivotally connected thereto and to the opposite front leg member, a double crank member pivoted to said framework, means connecting each of the cranks of said crank member with a respective one of said rear leg members, a manipulating device connected to one of said cranks and a spring connected to the other of said cranks.

1,506,671. ELECTRICAL-CABLE SOCKET OR LUG. EWALD SCHARPENBERG, Wetter-on-the-Ruhr, Germany. Filed Dec. 22, 1920. Serial No. 432,503. 6 Claims. (Cl. 173—269.)



6. A cable terminal, comprising two sleeves, each formed with a cable receiving opening, a portion which is semi-cylindrical, and the remaining portion is of larger radius and tapered from end to end, and a projection formed on each sleeve having an interior semi-cylindrical surface coaxial with and continuing from the semi-cylindrical portion of the opening in the sleeve and an outer surface concentric with the inner and tapered from end to end, whereby when interengaged the projection on one sleeve will fit in the portion of the other sleeve having the larger radius and the semi-cylindrical surface thereof will cooperate with the similar portion of the sleeve to form a cylindrical opening therethrough.

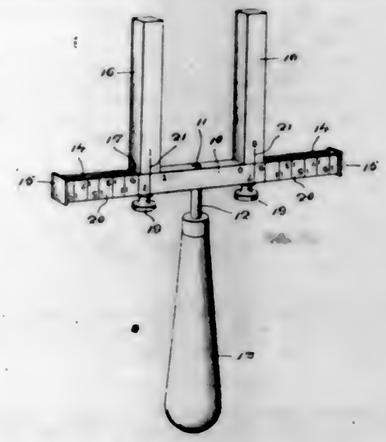
1,506,672. FEEDING DEVICE FOR GAS PRODUCERS. CHARLES A. SCHRANZ, Philadelphia, Pa., assignor to Walter Wood, trading as K. D. Wood & Company, Philadelphia, Pa. Filed Nov. 4, 1921. Serial No. 512,790. 2 Claims. (Cl. 214—35.)



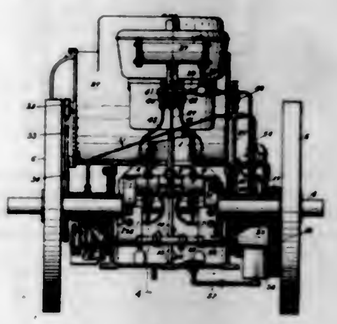
1. The combination in a gas producer, of a rotating body portion; a fixed top plate having a feed opening therein; a feeding device for feeding material through the opening in the top plate; and two horizontal shafts, each having a handle and each having a depending deflector so that, on turning the shafts, the deflectors can be adjusted in order to distribute the fuel over the fuel bed of the producer as the body portion rotates.

1,506,673. BATTERY-PLATE-BURNING GUIDE. HERBERT W. SEABLOM, Chicago, Ill. Filed Apr. 18, 1923. Serial No. 633,038. 1 Claim. (Cl. 113—99.)

A guide of the character described comprising an elongated supporting bar provided with a handle, and a pair of jaws arranged in spaced parallel relation and slidably adjustable along said bar, the bar being formed with slots, and said jaws being formed with reduced extensions fitting within said slots, said extensions being formed with threaded holes, and clamping screws passing through the slots and engaged within said holes, the jaws being intended for straddling engagement upon a group of a selected number of storage battery plates.



1,506,674. AIR COMPRESSOR. CHARLES BELMONT SEGNER, Shippensburg, Pa., assignor to Domestic Engine and Pump Company, Shippensburg, Pa., a Corporation of Pennsylvania. Filed May 18, 1922. Serial No. 561,952. 2 Claims. (Cl. 230—32.)

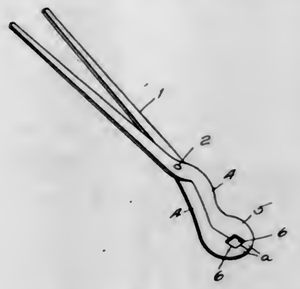


1. An air compressor comprising a single pump cylinder, a pair of cylinders of an internal combustion engine of the four-cycle type alternately firing, pistons in the pump and engine cylinders, and connecting rods for the pistons of the engine cylinders and the piston of the pump connected to a common crank pin, the timing of the valves and ignition of the internal combustion engines being so coordinated relative to the effective compression strokes of the air compressor that the power stroke of each piston of the engine will take place simultaneously with the effective compression strokes of the air compressor piston.

1,506,675. TONGS. ALFRED B. SEEPMANN, Lake Crystal, Minn. Filed Apr. 28, 1923. Serial No. 635,300. 4 Claims. (Cl. 81—3.)

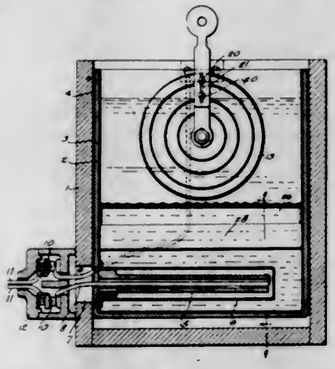
1. A tool of the class described comprising a pair of opposed jaws, means for connecting the jaws for relative swinging movement, the opposed edges of the jaws

being straight and having close contact when in closed position, the opposed portions of the jaws being provided with duplicate recesses, the side walls of the recesses



being perpendicularly related to the opposed edges of the jaws and the base walls of the recesses being parallel to said opposed edges of the jaws, and means for operating the jaws.

1,506,676. WATER HEATER. JOHN SHAHAN, Gadsden, Ala. Filed Jan. 12, 1924. Serial No. 685,915. 4 Claims. (Cl. 219—44.)



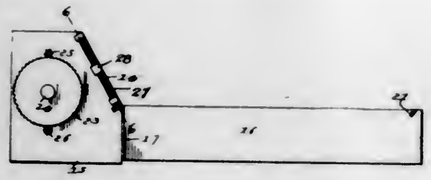
1. A device of the character described, comprising a casing, a tank located in the casing and having a V-shaped bottom, an electric heating element in the lower end of the V-shaped bottom, a thermostatic element in the tank, and electric circuit closing means between the thermostatic element, the heating element and the source of electricity.

1,506,677. PRODUCTION OF COLORED PICTURES ON GLASS SURFACES. ALBERT EDWARD SHIPTON, CAROLINE EMILY SHIPTON, and AMY MARIA SHIPTON, Birmingham, England. Filed Oct. 18, 1923. Serial No. 669,410. 1 Claim. (Cl. 41—22.)



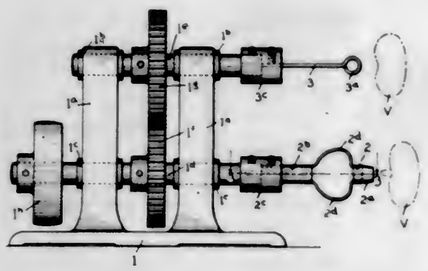
A colored picture comprising a transparent glass sheet, a view or subject fixed upon the back of said sheet so as to leave definite transparent spaces forming material parts of the view or subject, butterfly wings applied to the transparent spaces and to the back of the glass sheet to give thereto color effects, and a backing secured to said plate behind said view or subject and said butterfly wings substantially as described.

1,506,678. ROAD GUIDE. HERBERT J. SLOWEY, Portage, Wis. Filed Jan. 27, 1922. Serial No. 532,146. 1 Claim. (Cl. 40—95.)



In a route indicating apparatus for tourists, the combination with a casing including a progressive route indicating mechanism, of a spring roller mounted in the casing and carrying a map, a cross rod permanently fixed to the terminal marginal edge of the map and provided with extended ends, and map extending means consisting of a pair of arms hingedly mounted upon the casing and provided on their upper edges adjacent their terminal extremities with seats for the reception of the extended ends of the cross rod whereby, upon rotating the cross rod, the map may be wound manually upon the rod progressively as the route mechanism is progressed manually, said arms being foldable in collapsed positions adjacent the casing when the map is not in use.

1,506,679. CORING AND SEEDING DEVICE. GEORGE LOWELL SMITH, Terre Haute, Ind., assignor to Kehoe Preserving Co., Clay City, Ind., a Corporation of Indiana. Filed Apr. 21, 1923. Serial No. 633,758. 6 Claims. (Cl. 146—52.)

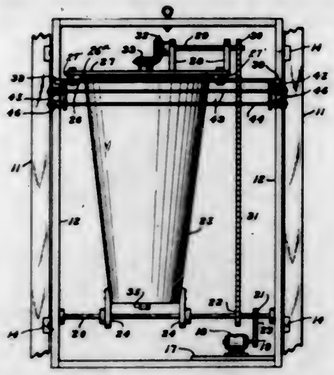


1. A coring tool comprising a body portion, a cutting portion, and spaced arms connecting said body and cutting portions, said arms being bowed outwardly, and the portions thereof adjacent the cutting portion being substantially perpendicular to the axis of said tool.

1,506,680. CONCRETE-MIXING DEVICE. HARRY M. SMITH, Marcus Hook, Pa. Filed Sept. 11, 1922. Serial No. 587,477. 5 Claims. (Cl. 83—73.)

1. A concrete mixing machine comprising a movable frame-work, a drive-shaft rotatably mounted therein, a concrete mixing and pouring mechanism supported from said drive-shaft, and tiltable upon the drive-shaft as an

axis, said mechanism extending at right angles to said drive-shaft and being provided with an outlet opening at the end adjacent to the drive-shaft, and a motor



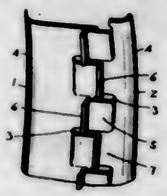
mounted in said frame-work and operatively connected to said drive-shaft and movable in unison with said frame-work.

1,506,681. ATTACHABLE ELECTRIC SWITCH FOR CONNECTER PLUGS. THEODORE C. SMITH, Philadelphia, Pa. Filed Jan. 19, 1923. Serial No. 613,611. 12 Claims. (Cl. 200—51.)



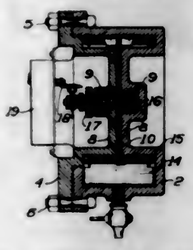
10. In a device of the character stated, an electric switch, and means to universally attach it to different connecter plugs which in turn are adapted to be detachably mounted directly on electrical appliances.

1,506,682. DEMOUNTABLE RIM. CHARLES NEVILLE SOWDEN, Toronto, Ontario, Canada. Filed Jan. 23, 1922. Serial No. 531,193. 2 Claims. (Cl. 301—35.)



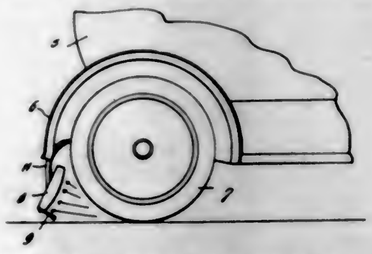
1. A demountable rim, comprising a pair of flanged rings having their meeting edges formed with narrow slots spaced at regular intervals a greater distance apart than their width, the metal between the slots having a part thereof depressed forming uniform spaced circumferential depressions, and the portions between the depressed and raised portions of one ring entering the slots in the other ring.

1,506,683. FLUID METER. WERNER I. STAAF, Pittsburgh, Pa., assignor, by mesne assignments, of one-half to Lula Harrington Tyler, Pittsburgh, Pa. Filed Mar. 2, 1920, Serial No. 362,853. Renewed Jan. 26, 1924. 1 Claim. (Cl. 73—37.)



A fluid meter, comprising a casing composed of separable members, hollow circular abutments extending inwardly from each of said members and forming bearings, a disk rotatably mounted in said bearings, said members forming two chambers of unequal diameters each partially surrounding said abutments, swinging blades pivotally carried by said disk for rotation in said chambers, said blades extending radially of the disk when in the chamber of larger diameter and substantially concentric with the disk during rotation in the chamber of smaller diameter, inlet and outlet connections respectively communicating with the opposite ends of the chamber of larger diameter, a shaft carried by said disk and extending outwardly through one of said hollow abutments, an indicator, and means located within one of said hollow abutments and connecting said shaft to said abutments.

1,506,684. DUST COLLECTOR FOR AUTOMOBILES. EUGENE B. STAPLES, Eureka Springs, Ark. Filed May 24, 1923. Serial No. 641,030. 1 Claim. (Cl. 180—84.)

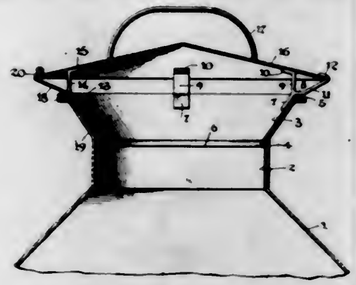


A dust collector adapted to be applied to a vehicle comprising a box having converging opposite sides, means for supporting the box in an inclined position, the box being provided at its under face and in the vicinity of its side and end walls with elongated slots, a suction pipe penetrating the upper side of the box, and bristles carried at the lower end of the box and being downwardly and forwardly inclined below the lower slot in the under face of the box.

1,506,685. SANITARY MILK AND CREAM CAN COVER. ERVIN R. STEMMANN, Goodhue, Minn. Filed July 28, 1923. Serial No. 654,430. 3 Claims. (Cl. 220—44.)

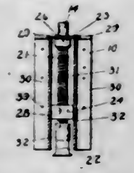
2. A milk can cover including a foraminous strainer element comprising, a body portion adapted to be fitted into the neck of a milk can, vertically extending supports carried by said body portion at its upper edge,

outwardly and upwardly extending arms adjacent certain of said supports and terminating in an inturned hook, a lid of greater circumference than said body portion



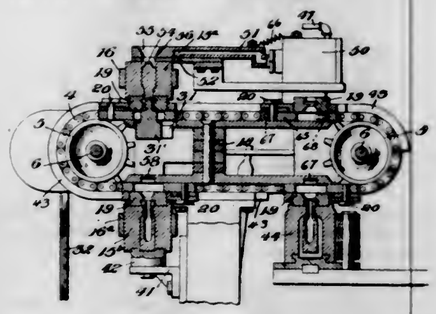
removably carried upon said supports and engaged by said hooks, and a catch carried by said body portion for engaging said lid for retaining the same in position.

1,506,686. ROLLER AWNING. JOHN H. STONE, Buffalo, N. Y. Filed Feb. 18, 1922. Serial No. 537,508. 2 Claims. (Cl. 188—110.)



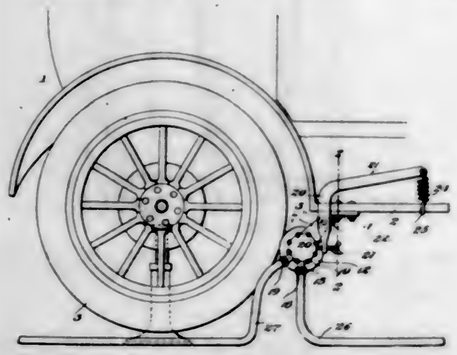
1. In a roller awning installation including a roller, operated by a rotatable shaft, a threaded rod connected to and in line with said shaft, a nut on said rod, a two part casing enclosing said rod and nut, one part when removed permitting rotation of said nut upon or with said rod and when replaced preventing such movement.

1,506,687. BOTTLE-MAKING MACHINE. SAMUEL G. STUCKEY, Warren, Pa. Filed July 20, 1920. Serial No. 397,710. 12 Claims. (Cl. 49—5.)



3. In a bottle blank-forming machine, a parison mold and a blow mold, a neck former mounted in a vertical alignment with, and closing one end of said parison mold, a baffle head associated with said blow mold and closing one end thereof, a conveyer belt arranged between said parison mold and neck former and travelling from the parison mold to the blow mold, a plurality of neck molds secured in spaced relation on said conveyer belt, plate members positioned adjacent the other ends respectively of said parison and blow molds, means for admitting fluid under pressure through said plates into said molds, the one of said plates associated with said parison mold being formed with a filling opening having a shearing edge, and means to move said plate to alternately place the filling opening and the fluid pressure supply in communication with the chamber of said parison mold.

1,506,688. PUMP. ENOCH A. SWANSON, Lincoln, Nebr. Filed Dec. 23, 1921. Serial No. 524,412. 2 Claims. (Cl. 103—218).



1. A pump including a horizontally arranged supporting element disposed in close proximity to the drive element, an arm fixed to the supporting element, a pump casing carried by the arm and having spaced projections extending transversely across its periphery, a rotor in the pump, a drive element carried thereby and arranged exteriorly of the casing and adapted to be engaged by the drive element, an arm pivoted to the first mentioned arm, and provided with a set screw adapted to engage any one of the projections to hold the casing against movement and to hold the drive element against the driving element, and resilient means connected with the arm and connected with the stationary object to urge the casing toward the driving element.

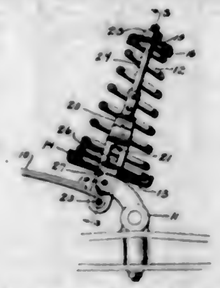
1,506,689. PLUMB LEVEL. HARRY A. TALLANT, St. Paul, Minn. Filed Dec. 31, 1921. Serial No. 526,265. 2 Claims. (Cl. 33—221.)



1. A device of the character described comprising a casing open at one side, a spider arranged in the casing at its closed end, an annulus superimposed on the spider, a transparent disk held in the annulus, retaining elements passing through the annulus and spider, a stub shaft having one end journaled in the spider and its opposite end journaled in the transparent disk, indicating elements at one end of the shaft and a weighted arm fixed to the opposite end of said shaft.

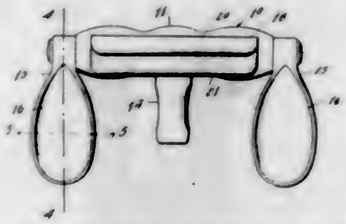
1,506,690. SHOCK ABSORBER. JOHN VANDIVER TAYLOR, Shongaloo, La. Filed Apr. 21, 1923. Serial No. 633,664. 3 Claims. (Cl. 267—29.)

1. In a shock absorber, the combination with a coil spring, of a circular seat for one end of the spring having ears on its obverse face, an attaching bolt secured in said ears and adapted to connect the device to a bracket or other support, a similar seat for the other end of the spring, a yoke having a stem secured to the second-mentioned seat, said arms having longitudinal slots through which said attaching bolt passes, a second attaching bolt passing through the ends of the arms, and a stop member se-



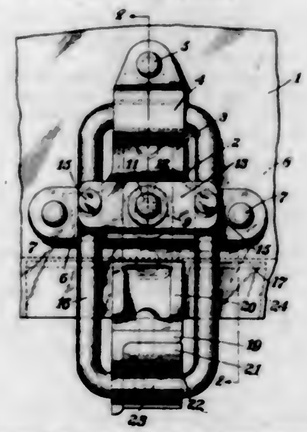
cured to the first-mentioned attaching bolt to limit the movement of the yoke and the consequent compression of the spring, and also serving to separate the arms of the yoke from the bracket.

1,506,691. SPIGOT FIXTURE AND SOAP DISH FOR BATHTUBS. RALPH W. THOMAS, Los Angeles, Calif. Filed Jun. 26, 1924. Serial No. 688,809. 5 Claims. (Cl. 277—18.)



1. A water supply fixture for bath tubs and the like having a control valve, an operating member therefor depending therefrom, and said member having its opposite surfaces dished to substantially conform to the opposite surfaces of the human toe to facilitate operation thereby.

1,506,692. CAR DOOR-LOCKING DEVICE. LAMBERT J. TILLMAN, Toledo, Ohio. Filed Feb. 27, 1922. Serial No. 539,555. 6 Claims. (Cl. 105—308.)



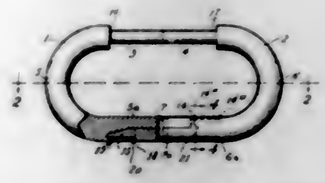
1. A locking device for drop doors comprising a plate, a link swingingly mounted in said plate, a locking bar rotatably mounted on said plate and when in a horizontal position straddling the side arms of said link to thereby prevent the swinging of said link, a bracket adapted to be secured to a door and said link fitting under said bracket for supporting said door in its closed position.

1,506,693. IRON-REENFORCED SHOE HEEL. ALFREDO CARLO TIRAPANI, Bologna, Italy. Filed Jan. 21, 1920. Serial No. 352,995. 5 Claims. (Cl. 36—74.)



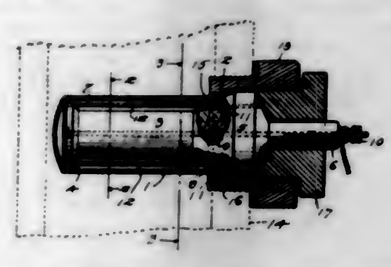
1. A shoe heel protecting rim consisting of nails made up of a head bar to be arranged along the heel edge, shanks perpendicular thereto, and having the points so bent as to enter into the heel, whereby when a plurality of said nails are arranged along a heel edge said heads form a protecting rim therefor and said shanks extend radially toward the center of the heel to protect the tread surface thereof.

1,506,694. MILK-CAN HANDLE. FRED T. TOPPEY, Watertown, Conn. Filed July 5, 1921. Serial No. 482,579. 5 Claims. (Cl. 16—126.)



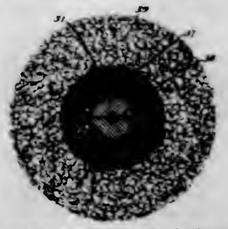
1. A two-part bauble for milk cans and the like, comprising a pair of loop forming members, each of said members having a grip section having a flat side and a pivot section, said grip sections being secured together at their flat sides in rigid overlapping relation, and said pivot sections being adapted to engage within a hinge bracket secured to a milk can.

1,506,695. INTERNAL-COMBUSTION ENGINE FUEL HEATER. JOHN D. TYLER, Clarksville, Tenn. Filed Mar. 9, 1923. Serial No. 624,059. 4 Claims. (Cl. 219—38.)



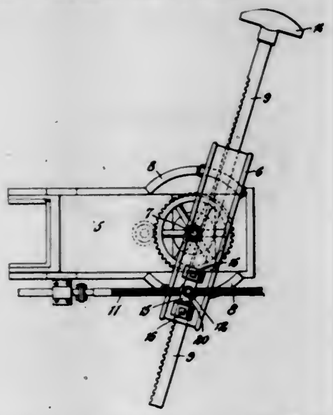
1. An electric heater comprising a metallic shell open and flared at one end, a core of insulating material removably fitted within the shell and having outer enlargements in its length with the parts comprised between such enlargements spaced from the shell and core, the enlargement at the outer end of the core having its rear face tapered to conform to the flare at the open end of the shell, a hollow nut receiving the shell and core and having an end constricted and tappered to conform to the flare of the shell, and a jam nut for securing the core and shell within the hollow nut.

1,506,696. SHOE-CLEANING DEVICE. ROBERT WALSER, Union Hill, N. J. Filed Mar. 23, 1922. Serial No. 545,956. 6 Claims. (Cl. 15—97.)



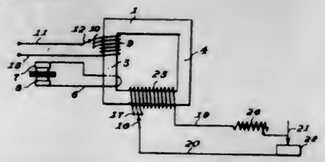
4. In a shoe cleaning device, a shaft, split spools for mounting on the shaft, friction members for mounting on the spools, and buffing members for mounting on the spools over said friction members, the buffing members being clamped between the sections of the split spools.

1,506,697. FLEXIBLE NUT. SAMUEL W. WARMAN, Uniontown, Pa. Filed Apr. 7, 1924. Serial No. 704,896. 4 Claims. (Cl. 74—40.)



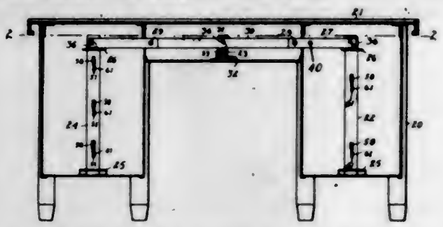
1. In a device of the character described, the combination of an oscillatory member having a ball and socket bearing at one side of its center of oscillation, a screw disposed in the plane of oscillation and in threaded engagement with the ball, and a pin secured in a position substantially perpendicular to the plane of oscillation and substantially perpendicular to said screw, said ball having a recess with which said pin engages to prevent the ball from rotating when the screw is rotated.

1,506,698. COMBINED SPOT OR BUTT AND ARC WELDER. CHARLES B. WATERS, Montclair, N. J. Filed Feb. 4, 1924. Serial No. 690,491. 3 Claims. (Cl. 219—8.)



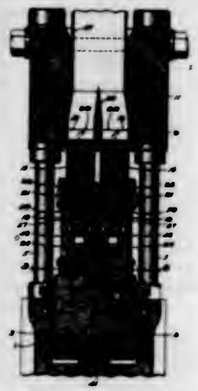
3. In combination, a metallic spot or butt welding frame work, a transformer closely associated with said frame work comprising a closed magnetic core, a common primary winding, a spot or butt welding secondary winding, and an arc welding secondary winding; said transformer parts being so proportioned and arranged that during arc welding operations no exaggerated flux leakage occurs from said transformer core into said frame work; and arc regulating means connected in series with said arc welding secondary winding.

1,506,699. LOCKING MECHANISM. WILLIAM W. WATSON, Jamestown, N. Y. Filed Nov. 3, 1922. Serial No. 598,958. 5 Claims. (Cl. 45—94.)



1. In a desk having a vertical series of drawers and a center drawer, locking mechanism for functioning upon all said drawers simultaneously comprising a plurality of vertical strips, latches on each strip arranged to engage and lock each drawer, a horizontal bar, means connecting said bar to said strips, an aperture in said bar, a reciprocatory rod having a horizontally bent inner end which end rests in said aperture whereby the reciprocation of said rod causes the bar to reciprocate at right angles thereto.

1,506,700. PRESS. GEORGE E. WHITNEY, Bridgeport, Conn., assignor to The International Pavement Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 14, 1922. Serial No. 552,487. 76 Claims. (Cl. 25—84.)

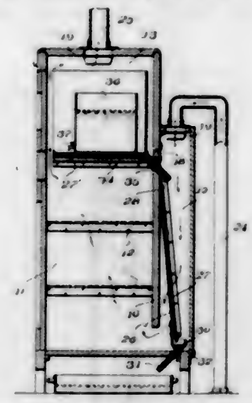


1. In a fluid actuated press, a cylinder, and a plurality of material operating rams in said cylinder and having surfaces in contacting relation.

75. In a mold press, means providing closely adjacent mold chambers, a mold plunger for compressing material in each chamber, and fluid pressure mechanism comprising a single press cylinder for operating all of said plungers.

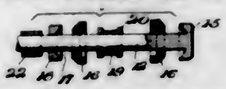
1,506,701. REFRIGERATOR. CHARLES P. WHITTIER, Dalhart, Tex. Filed July 7, 1923. Serial No. 650,079. 1 Claim. (Cl. 62—53.)

A refrigerator comprising a food compartment and a chamber arranged above the compartment and communicating therewith adjacent the front wall thereof, a cold air compartment arranged at the rear of the food compartment and communicating therewith adjacent the lower end thereof, the top of said compartment and the top of the refrigerator having openings therein, a ventilating pipe rising from the opening in the top of the refrigerator, a cold air supply pipe communicating with the cold air compartment through the opening in the top thereof, means for closing said openings subsequent to the removal of said pipes, a piece of fabric arranged within the cold air compartment and extending diagonally across the same, a water container arranged within said chamber, a faucet carried by the container to admit the water into the chamber, a drain pipe leading from the chamber into the cold air compartment for conveying



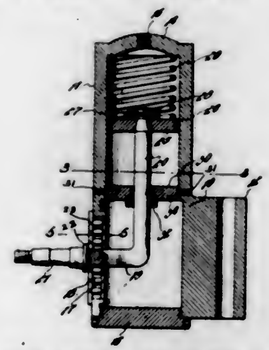
the water onto the fabric to maintain the latter in a wet condition and means establishing and controlling communication for the circulation of air between the said chamber and the cold air compartment.

1,506,702. PUMP PLUNGER. FRANK WILCOM and EDWARD J. HALEY, Okmulgee, Okla. Filed Jan. 21, 1924. Serial No. 687,572. 3 Claims. (Cl. 74—109.)



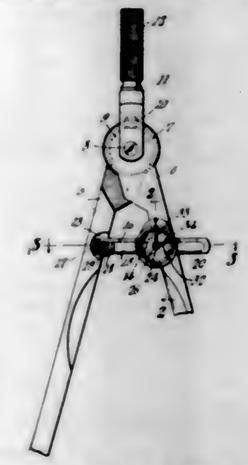
3. A plunger for cross head water pumps comprising a rod having its forward end provided with a head, a pair of cups mounted on said rod, a spacer mounted between said cups, an annulus engaging one of said cups, a tubular liner mounted for free longitudinal movement on said rod and engaging said annulus, and a nut threaded on said plunger and adapted to contact with the rear end of said tubular member for holding the tubular member in cup expanding position.

1,506,703. SHOCK ABSORBER. NOBLE M. WILLIAMS, Vallejo, Calif. Filed Mar. 29, 1923. Serial No. 628,584. 2 Claims. (Cl. 280—96.2.)



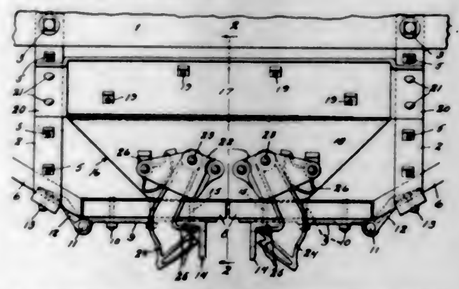
1. In a shock absorber a body including a shell portion and a laterally extending knuckle pivoted within the yoke at the end of the front axle of a vehicle, said body having an arm for connection with the steering arm connecting rod and steering rod, the shell being formed with a slot, a disk within the intermediate portion of the shell, an angular shaped arm member including an upstanding rod portion slidable through the disk and carrying a plunger and further including a laterally extending spindle portion extending through said slot and serving as a mounting for the front wheel, and a spring within the upper portion of the shell bearing against the closed upper end thereof and against said plunger.

1,506,704. CALIPER. JAMES C. WILLIAMSON, Cordele, Ga. Filed July 16, 1923. Serial No. 651,854. 3 Claims. (Cl. 33—148.)



1. In a measuring instrument, pivoted leg members, a dial supporting housing pivotally supported by one of the leg members, a bar having an elongated opening, pivotally supported by the opposed leg member, teeth formed along one wall of the elongated opening, indicating hands supported in the housing and adapted to move over the dial, and means associated with the indicating hands and engaged by the teeth of the bar for rotating the hands over the dial.

1,506,705. CAR-DOOR DEVICE. WILLIAM E. WINE, Toledo, Ohio. Filed Nov. 16, 1923. Serial No. 675,098. 12 Claims. (Cl. 105—247.)

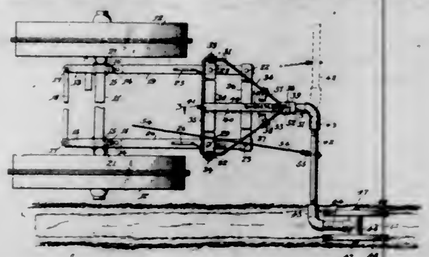


2. A railway car having a hopper including a downwardly and inwardly sloping side wall, a door adapted to close the bottom of the hopper, said door lying approximately in a horizontal plane when in closed position, and a supporting member having a portion secured against the outer face of said sloping hopper wall and having another portion arranged substantially at right angles to the plane of the closed door, and a door supporting mechanism pivotally attached to said last mentioned portion and adapted for supporting cooperation with the door.

1,506,706. STEERING ATTACHMENT FOR TRACTORS. FRED L. WILLRODT, Rijon Hills, S. Dak. Filed July 17, 1923. Serial No. 652,123. 4 Claims. (Cl. 97—49.)

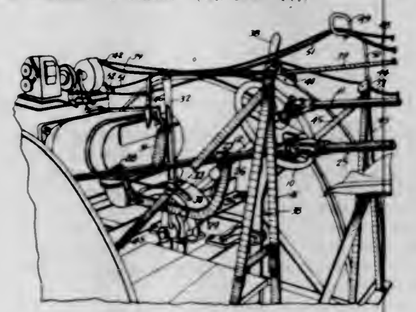
1. An apparatus of the class described comprising a frame formed in spaced side rails adapted to be coupled to swing with the spindle arms and forward wheels of

a motor driven vehicle, a coupling member pivotally united to the free ends of said rails, a yoke frame



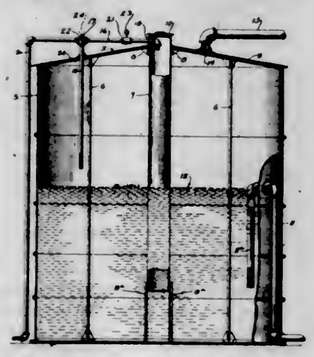
mounted to swing vertically relatively to said side rails, hangers depending from said yoke frame, and guide wheels mounted for rotation in said hangers.

1,506,707. TRACTOR CONTROL DEVICE. LOUIS W. WITRY, Waterloo, Iowa, and ROBERT C. LIVESAY, Moline, Ill., assignors to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Dec. 2, 1922. Serial No. 604,565. 1 Claim. (Cl. 180—77.)



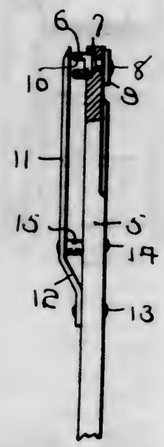
The combination with a tractor and an object to be drawn, of means to operate the gear shift lever of the tractor, said means comprising a rod rotatably and slidably mounted on said object, a casing through which the gear shift lever extends, an inverted arch shaped support rigidly mounted on the casing, a rod rotatably and slidably journaled in bearings on the arch, a cardan joint connecting said rods, an arm rigidly secured on the second mentioned rod and extending at an upward inclination therefrom and connected to said lever whereby said lever is rocked laterally or longitudinally of the tractor by operation of said rods.

1,506,708. OIL TANK. JOHN A. WOLFE, Tulsa, Okla. Filed May 29, 1923. Serial No. 642,285. 7 Claims. (Cl. 220—85.)



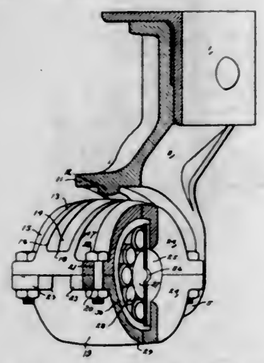
1. In a device of the character described, the combination of a tank, a casing having its lower end within the tank and terminating near the bottom thereof and having an independently removable closure at its upper end, and a supply pipe having valve controlled branches leading into the body of the tank and the casing respectively.

1,506,709. CAN OPENER. JOSEPH T. WOODS, Hammett, Idaho. Filed Jan. 5, 1921. Serial No. 435,146. 2 Claims. (Cl. 30—3.)



1. A can opener comprising a handle, a head seated in and projecting from the lower face of the handle at one end thereof, means connected with the head and extending through and engaging with the upper face of the handle for swivelly connecting the head and handle together, said head having a groove on its lower face for overlapping the rim of can, thereby providing for the seating of the head on the rim and the connecting of the handle to the can, and a combined penetrating and can body cutting blade secured to and spaced from the lower face of the handle and further having a portion thereof extending in parallelism with respect to the lower face of the handle, the said portion of said blade provided with a cutting edge terminating in a penetrating point.

1,506,710. BEARING. SHERWOOD M. CHASE, Columbus, Ohio. Filed Mar. 11, 1922. Serial No. 542,833. 6 Claims. (Cl. 64—39.)



1. In a bearing, a split casing having end members to form a reservoir for oil, bearing members traveling within said casing within said end members in the reservoir of oil and means composing a freely rotatable disk having a centrally disposed opening provided in

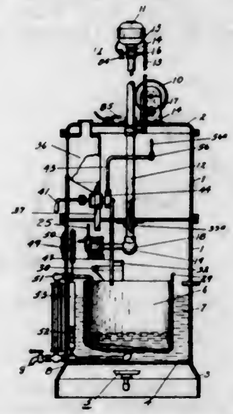
one end of the bearing for the introduction of oil and the exclusion of foreign material, said bearing members having their ends beveled to prevent injury to the shaft being supported thereby and the bearing casing by the ends of the bearing members.

1,506,711. VALVE. SHERWOOD M. CHASE, Columbus, Ohio. Filed July 5, 1923. Serial No. 649,687. 4 Claims. (Cl. 188—96.)



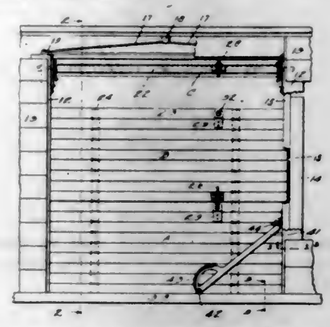
1. In a valve, a supporting body, a movable body, yielding means to maintain said movable body normally in one position, said movable body having a plurality of openings of varying sizes adapted to permit the passage of fluid, the openings to a degree depending upon the amount of pressure being imposed upon the movable member.

1,506,712. AUTOMATIC COFFEE DISPENSER. ANNA IRENE MCALLEN, Portland, Oreg. Filed Oct. 19, 1922. Serial No. 595,578. 15 Claims. (Cl. 53—3.)



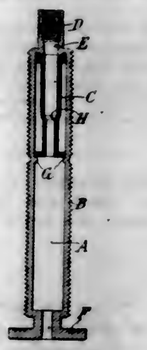
1. The combination in an automatic coffee dispenser, of a casing inclosing a kettle, cooperating means for delivering water to the kettle and proportionately delivering coffee to a container, means for agitation of the coffee during immersion of the container in the kettle, means for regulating the time of immersion and agitation, means for the discharge of the dregs after immersion and means for returning the container for dry coffee to normal position with same in position with the closure lid open.

1,506,713. GRAIN DOOR. LEE H. MILLER, Fort Dodge, Iowa. Filed June 18, 1923. Serial No. 646,069. 2 Claims. (Cl. 20—32.)



1. In a device of the class described in combination with a door opening, a pair of channel shaped guide members arranged adjacent to the sides of the door opening, said guide members having their upper ends curved away from the door opening, a plurality of door sections slidably mounted in said guide members, each door section being independent of the others and each door section comprising a number of slats hingedly connected together for permitting them to slide in the curved portions of the guide members, a lever secured to the lower section for assisting in the raising thereof, and locking means for holding said door sections in open position, said locking means including a pair of pivoted levers, one of which is slidably mounted relative to the other so that it can be moved to position where it will project into the door opening as and for the purposes stated.

1,506,714. TIRE VALVE. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Original application filed May 21, 1917. Serial No. 169,846. Divided and this application filed Apr. 6, 1922. Serial No. 550,203. 2 Claims. (Cl. 152—12.)

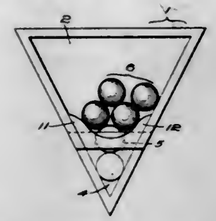


1. A valve casing comprising a drawn shell having a separately formed internal valve spring-holder seat therein and held by the wall of the shell between its ends.

1,506,715. GAME. FRANK L. ORDWAY, Salem, Mass., assignor to Parker Bros., Salem, Mass., a Corporation of Maine. Filed Apr. 8, 1922. Serial No. 550,647. 6 Claims. ((Cl. 46—57.)

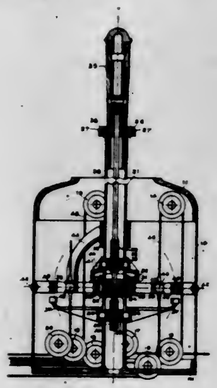
1. A move indicating or counting device for games comprising in combination, a closed receptacle having a wall adapted to form a base, said receptacle containing a series of small movable pieces having different values,

said receptacle having a portion within the confines of said base restricted to the reception of a single mov-



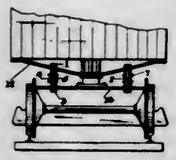
able piece, said portion provided with an observation opening into position beneath which the pieces may be moved singly by chance.

1,506,716. HELICOPTER STEERING AND STABILIZING MECHANISM. RAUL PATERAS PESCARA, Barcelona, Spain. Filed Dec. 29, 1921. Serial No. 525,732. 5 Claims. (Cl. 244—19.)



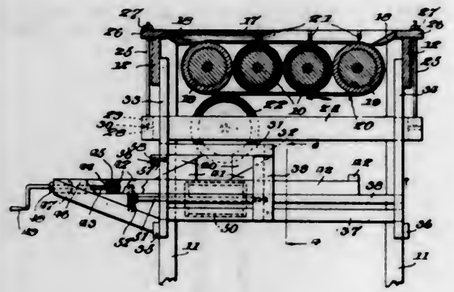
1. An aeroplane having helicopter propellers, means for warping said propellers, rudders for the aeroplanes, means for operating the rudders, and an adjustable joy stick adapted in one position of adjustment to control the warping means and in another position of adjustment to control the rudder operating means.

1,506,717. TRUCK HANGER. DAVIS ANDREW PICKENS, Jackson, Miss. Filed Apr. 13, 1923. Serial No. 631,882. 1 Claim. (Cl. 29—84.)



In a truck hanger the combination of an upper member comprising a forwardly extending head and an arm depending from it srear portion having a series of holes formed therei nand a lower member comprising a forwardly extending head and a pair of arms extending upward from its rear portion having a series of holes formed therein and pins extending through the holes in the depending arm of the upper member and the holes in the upwardly extending arms of the lower member, for securing the upper and lower members together.

1,506,718. APPARATUS FOR TREATING FRUIT AND THE LIKE. HOMER CHARLES RICKETTS, Winter Haven, Fla., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed June 7, 1923. Serial No. 644,022. 12 Claims. (Cl. 91—54.)



9. In an apparatus for coating fruit, the combination with a traveling belt arranged at an inclination to cause rolling movement of articles over the surface of said belt, a rotatable brush engaging said belt and means for supplying fluent coating material to said brush.

11. Apparatus for treating fruit comprising, in combination, an endless-surface driven carrier means, and driving mechanism therefor, a rotary member arranged to engage the surface of said carrier means, means for supplying fluent coating material to said rotary member for transfer to said surface of said carrier means, means arranged to project fruit to be coated across the surface of said carrier means and in contact with coating material thereon, and means arranged to receive from said carrier means fruit so projected and to distribute adhering material thereover.

1,506,719. BLADE OF DISK FORM FOR SKINNING ANIMALS. URBAIN JULES THUAU, Paris, France, assignor to The Societe Industrielle de Depouille Mecanique des Animaux, Paris, France. Filed Jan. 23, 1924. Serial No. 688,047. 5 Claims. (Cl. 17—22.)

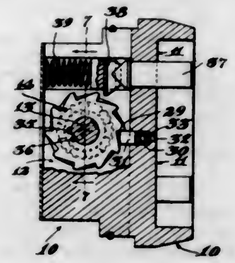


1. A skinning tool, comprising a metallic member having a plurality of edge tongues, said tongues having noncutting free ends and cutting edges in rear of such ends.

1,506,720. LOCK TUMBLER. ELERT A. HILL, Los Angeles, Calif., assignor to Stop-Burglar Lock Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 10, 1922. Serial No. 593,534. 8 Claims. (Cl. 70—54.)

1. In a lock, a lock casing, a rotary tumbler housed and concealed in said casing, said tumbler mounted for

free rotation in one direction, means for holding said tumbler against retrograde movement operable by said



tumbler to movably indicate exteriorly of the casing a starting position of said tumbler, and means for imparting a step by step movement to said tumbler.

1,506,721. METHOD OF PRODUCING SPRAY NOZZLES. JOSEPH JAVORSKY, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 6, 1919. Serial No. 329,405. 5 Claims. (Cl. 29—157.)



1. The method of producing spray nozzle elements, which comprises, forming a casing with a conduit and a vane extending inwardly toward the axis of said conduit, and twisting said casing to distort said vane.

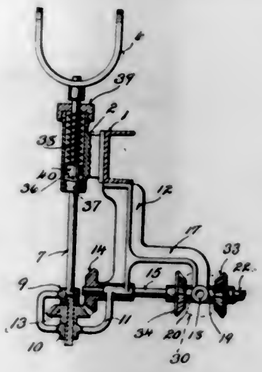
1,506,722. METHOD OF PRODUCING SPRAY NOZZLES. WILLIAM E. YUNKER, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 16, 1919. Serial No. 331,739. 8 Claims. (Cl. 29—157.)



1. The method of producing spray nozzles, which comprises, forming a plurality of centrally united vanes which are free remote from said union, and removing the central union along a portion of the length of said vanes.

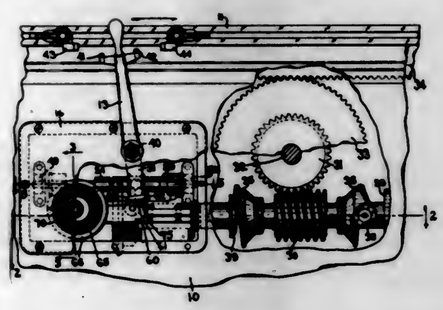
1,506,723. DIRIGIBLE HEADLIGHT. ALFRED M. HAANSTAD, Eau Claire, Wis. Filed Oct. 30, 1922. Serial No. 597,877. 2 Claims. (Cl. 240—62.)

1. The combination of an automobile having a steering mechanism, a pair of spaced headlights, a pair of alined shafts operatively connected to said headlights and having juxtaposed ends, a third shaft arranged at an angle to said first mentioned shafts, means for operatively coupling said third shaft with the steering mechanism, a pair of gears carried by the juxtaposed ends of said first mentioned shafts, and a mutilated gear carried by said third shaft and adapted to engage either of said



first mentioned gears, whereby upon turning the automobile the light upon the side from which the automobile is turned is directly inwardly.

1,506,724. MACHINE-TOOL-TABLE REVERSING MECHANISM. CHARLES H. NORTON, Worcester Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1922. Serial No. 533,691. 2 Claims. (Cl. 74—50.)

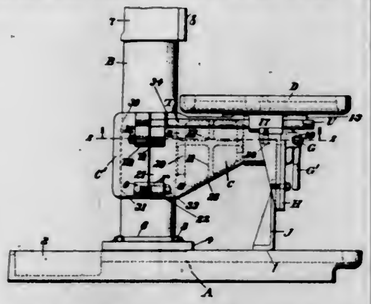


1. In a machine tool having a reciprocable table, a driving and reversing mechanism for the table including a reversing clutch having a shiftable member, a slide yoked to said member, a reversing lever, a lost motion connection between said lever and slide, means to move said lever when the table has reached a predetermined position to positively disengage the clutch and a resilient device automatically effective thereafter to engage the clutch in the reverse direction.

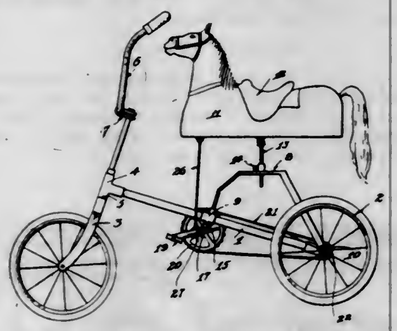
1,506,725. ADJUSTABLE WORK SUPPORT. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 20, 1921. Serial No. 471,074. 12 Claims. (Cl. 77—63.)

4. A machine-tool combining a base; a column rising therefrom; an arm mounted to rotate about, and slide vertically on, said column, and extending normally thereto; a work-support mounted on the free end of said arm; mechanism for elevating said arm; a clamp to secure

said arm in adjusted elevation and rotative position; and means operable from a station adjacent to said work-support at the free end portion of said arm for enabling it to be clamped by a single operation against sliding and rotation.

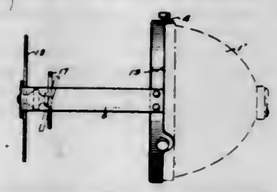


1,506,726. CHILD'S VEHICLE. LEWIS ALEXANDER, Clinton, Ill., assignor to Clinton Novelty Co., Clinton, Ill., a Common Law Trust. Filed June 16, 1923. Serial No. 645,597. 5 Claims. (Cl. 204—42.)



1. In a child's tricycle, including its wheeled frame, pivotally mounted seat-portion, and a driving mechanism including a crank-shaft and pedals, in combination, a wrist-pin included with one of the cranks of said crank-shaft, and a pitman pivotally connected at one end with the seat-portion, and at its other end connected to said wrist-pin for imparting vertical movement to said seat portion.

1,506,727. SPOTLIGHT DEFLECTOR. FRANK P. RAMPP, New York, N. Y. Filed June 6, 1923. Serial No. 643,725. 4 Claims. (Cl. 240—46.)



1. A deflector for spot lights, comprising a deflecting member, a frame carrying said deflecting member, and a ring for supporting said frame on a spot light, said deflecting member being connected to said frame by a universal support whereby it may be adjusted to occupy substantially any desired angle in respect to the spot light to which the device is connected.

1,506,728. METHOD OF MANUFACTURING NITRO-TARTARIC ACID. ARTHUR LACHMAN, San Francisco, Calif., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 13, 1921. Serial No. 500,439. 6 Claims. (Cl. 260—121.)

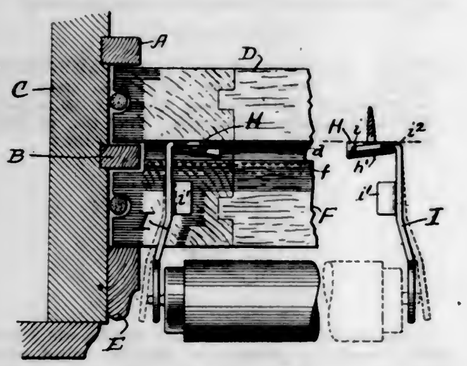
5. A method of manufacturing nitrotartaric acid and like compounds, which comprises dissolving tartaric acid and mixing the solution with a mixture of nitric and sulphuric acid, then agitating and heating the entire mixture until the tartaric acid has become nitrated, and then cooling the entire mixture to crystallize the nitro-tartaric acid formed.

1,506,729. SCREEN FOR MOVING-PICTURE PRODUCTION. EDNA PEARL STEWART, Minneapolis, Minn. Filed May 16, 1919. Serial No. 297,588. 15 Claims. (Cl. 88—24.)



1. A screen for projected pictures comprising a system of prisms, the bodies of which are transparent to light, and are light refracting, and certain of the faces of each prism are transparent and certain other faces of the prisms are translucent.

1,506,730. DETACHABLE SHADE-HOLDING BRACKET. JOHN WITTEMANN, Milwaukee, Wis. Filed Feb. 9, 1920. Serial No. 357,470. 4 Claims. (Cl. 156—24.)



1. A window shade fixture comprising a bracket holding stirrup or loop for attachment to a window sash, such stirrup or loop having the bracket sustaining part thereof disposed at an angle which is inclined with respect to the plane of the sash, and a shade roller supporting bracket provided with a correspondingly forward angularly extending foot adapted for engagement with the stirrup or loop, whereby when engagement of the angular faces of the foot of the bracket and the sustaining stirrup is effected, the bracket is held against displacement.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abelson, George S., doing business as Carmen Novelty Company, Chicago, Ill. Vanity cases. 187,484; Aug. 5; Serial No. 191,460; published May 20, 1924.

Abraham, Maurice, doing business as Sam Willer Human Hair Goods Co., Shreveport, La. Hair grower or tonic. 187,456; Aug. 5; Serial No. 175,452; published May 20, 1924.

Advance Battery Co. (See Gelardin, Ralph.)

Agutter, George, Forest Hills, N. Y. Tennis rackets. 187,646; Aug. 5.

Alatriste, Scultiel L., New York, N. Y. Art creations of feathers. 187,558; Aug. 5; Serial No. 194,238; published June 3, 1924.

American Autoparts Company, Detroit, Mich. Automobile springs. 187,421; Aug. 5; Serial No. 169,797; published May 6, 1924.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 187,561; Aug. 5; Serial No. 194,507; published June 3, 1924.

Anti-Pluvius Water Proof Co. (See Massimo, Louis S.)

Arkansas Oak Flooring Co., Pine Bluff, Ark. Oak flooring. 187,375; Aug. 5; Serial No. 191,807; published May 20, 1924.

Armand Company, The, Des Moines, Iowa. Finger-nail polish. 187,382; Aug. 5; Serial No. 192,470; published May 13, 1924.

Asmus-Bradley Co., Chicago, Ill. Embroidery foundations, initials, designs, etc. 187,566; Aug. 5; Serial No. 194,767; published June 3, 1924.

Asmus-Bradley Co., Chicago, Ill. Embroidery hoops and hooks, and needles, crochet hooks, etc. 187,567; Aug. 5; Serial No. 194,768; published June 3, 1924.

Atlas Textile Co., The, Cincinnati, Ohio. Hosiery. 187,605; Aug. 5; Serial No. 174,876; published May 20, 1924.

Austin Manufacturing Co., The, Wilkes-Barre, Pa. Ammonia. 187,420; Aug. 5; Serial No. 172,253; published May 13, 1924.

B & C Radio Company, Inc., Boston, Mass. Radio receiving sets. 187,447; Aug. 5; Serial No. 191,423; published May 6, 1924.

Bacorn, Garrett E., doing business as The Moore Skin-Glo Co., Elmira, N. Y. Skin and complexion cream. 187,464; Aug. 5; Serial No. 184,782; published May 20, 1924.

Bald-Rid Company. (See Doyle, Jack.)

Barbasol Company, The, Indianapolis, Ind. Pastelike preparation for shaving and skin-healing purposes. 187,443; Aug. 5; Serial No. 192,555; published May 20, 1924.

Barber Asphalt Paving Company, The, now by change of name The Barber Asphalt Company, Philadelphia, Pa. Roofing felt and cement, built-up roofing, shingles, etc. 187,534; Aug. 5; Serial No. 166,762; published May 6, 1924.

Bartley, Arcola, Canton, Miss. Hair tonics. 187,393; Aug. 5; Serial No. 193,208; published May 20, 1924.

Bates, George S., doing business as Ever-Off Manufacturing Company, Los Angeles, Calif. Depilatories. 187,618; Aug. 5; Serial No. 175,716; published June 3, 1924.

Battle Creek Health Laboratory, Battle Creek, Mich. Laxative chewing gum. 187,625; Aug. 5; Serial No. 193,498; published May 20, 1924.

Baxter, Burton E., doing business as B. E. Baxter Co., Whitney Point, N. Y. Graining liquid. 187,604; Aug. 5; Serial No. 176,395; published May 15, 1923.

Beiersdorf, P., & Co. Inc., New York, N. Y. Wound dressing. 187,623; Aug. 5; Serial No. 194,512; published May 20, 1924.

Berkey & Gay Furniture Company, Grand Rapids, Mich. Wooden furniture. 187,498; Aug. 5; Serial No. 193,090; published May 27, 1924.

Berry, Herbert H., London, England. Electric stoves and radiators. 187,468; Aug. 5; Serial No. 187,374; published May 6, 1924.

Berry, James H., Bakersfield, Calif. Soap flakes, soap and washing powders. 187,434; Aug. 5; Serial No. 186,687; published May 20, 1924.

Blue Anchor Inn Beverage Co. (See Friedrich, John.)

Booth-Waterbury Manufacturing Company, Long Island City, N. Y. Polishing and buffing cloths. 187,474; Aug. 5; Serial No. 193,024; published May 27, 1924.

Boott Mills, Lowell, Mass. Cotton grain bags. 187,426; Aug. 5; Serial No. 194,251; published May 20, 1924.

Boschert, William, St. Louis, Mo. Infants' bands. 187,653; Aug. 5.

Bourjois, A., & Co. Inc., New York, N. Y. Rouge. 187,527; Aug. 5; Serial No. 193,383; published May 6, 1924.

Boyce & Veeder Company, Inc., Long Island City, N. Y. Chemical preparation for prevention and removal of carbon deposits in internal-combustion engines. 187,511; Aug. 5; Serial No. 194,044; published May 6, 1924.

Brooks, Gertrude, Indianapolis, Ind. Hair grower, pressing oil, face cream, etc. 187,516; Aug. 5; Serial No. 193,894; published May 6, 1924.

Broza, Jacob D., Philadelphia, Pa. Insecticides, roach powders, fly killers, and insect poisons. 187,524; Aug. 5; Serial No. 193,443; published Apr. 29, 1924.

Bunim, Wm. J., Brooklyn, N. Y. Candies. 187,638; Aug. 5.

Capital Paper Company, Indianapolis, Ind. Prepared roofing paper in rolls and shingles. 187,368; Aug. 5. Serial No. 190,674; published May 20, 1924.

Carmen Novelty Company. (See Abelson, George S.)

Carr Fastener Company, Cambridge, Mass. Snap fasteners. 187,574; Aug. 5; Serial No. 195,678; published June 3, 1924.

Carsinol Research Laboratories, Inc., St. Joseph, Mo. Liquid germicide. 187,385; Aug. 5; Serial No. 192,756; published May 13, 1924.

Chapman, Frank F. B., Hollis, N. H. Vegetable powder to be used as a poultice. 187,383; Aug. 5; Serial No. 192,518; published Apr. 29, 1924.

Chicken Pharmacy. (See Keyes, James E.)

Cincinnati Galvanizing Company, The, Cincinnati, Ohio. Galvanized, enameled, and japan ware. 187,429; Aug. 5; Serial No. 189,966; published May 20, 1924.

Clark, Jas., Jr., Electric Company, Louisville, Ky. Electric portable drills, grinders, and screw drivers. 187,396; Aug. 5; Serial No. 193,152; published Apr. 29, 1924.

Clark, William A., doing business as William A. Clark & Son Medicine Company, Kansas City, Mo. Medicines for use in the treatment for internal diseases. 187,378; Aug. 5; Serial No. 192,365; published Apr. 29, 1924.

Cohen, Benjamin A., New York, N. Y. Knitted wearing apparel. 187,597; Aug. 5; Serial No. 190,677; published May 27, 1924.

Cohen, Goldman & Co., Inc., New York, N. Y. Men's and children's overcoats. 187,583; Aug. 5; Serial No. 194,850; published May 27, 1924.

Coldex Chemical Company, Atlanta, Ga. Preparation for treatment of coughs, colds, etc. 187,628; Aug. 5; Serial No. 193,324; published May 20, 1924.

Columbia Varnish Company, Los Angeles, Calif. Paints, varnishes, japans, etc. 187,437; Aug. 5; Serial No. 183,252; published Apr. 22, 1924.

Commercial Truck Company, Philadelphia, Pa. Commercial electric trucks. 187,650–1; Aug. 5.

Cook, Jerome L., St. Louis, Mo. Printed cards. 187,404; Aug. 5; Serial No. 190,284; published May 27, 1924.

Corticelli Silk Company, Florence, Mass. Fabrics made of silk, artificial silk, and cotton. 187,654; Aug. 5.

Coty, Inc., Wilmington, Del., and New York, N. Y. Toilet soaps. 187,543; Aug. 5; Serial No. 180,098; published May 20, 1924.

Coty, Inc., Wilmington, Del., and New York, N. Y. Toilet soaps. 187,544–5; Aug. 5; Serial Nos. 180,108–9; published May 20, 1924.

Couture, Alphonse, & Company. (See Gingras, Eugene H.)

Cragin Products Co., Chicago, Ill. Alcohol preparation for external use. 187,466; Aug. 5; Serial No. 186,108; published May 20, 1924.

Cros, Agustin M., legal representative of J. R. Mestre, a minor, Barcelona, Spain. Pharmaceutical preparations for neurasthenia, etc. 187,413; Aug. 5; Serial No. 178,028; published May 13, 1924.

Crown Radio Mfg. Corp., New York, N. Y. Electrical apparatus. 187,450; Aug. 5; Serial No. 190,373; published May 6, 1924.

Da-Fel Pharmaceutical Co. (See Feldman, David.)

Dahlquist, Theodore W., doing business as Dahlquist Manufacturing Company, Dedham, Mass. Boilers, ranges, and heaters. 187,666; Aug. 5.

Dandyline Co., The, Chicago, Ill. Children's dresses. 187,584; Aug. 5; Serial No. 194,694; published May 27, 1924.

Darr, Minnie A., doing business as Mrs. F. B. Darr, Pittsburgh, Pa. Photographs. 187,510; Aug. 5; Serial No. 192,818; published May 20, 1924.

Day, Britton T. and S. P., Company, The, doing business as Day-Kingsley Dryer Company, Cleveland, Ohio. Composition for cleaning and preserving brushes. 187,432; Aug. 5; Serial No. 188,661; published Apr. 22, 1924.

Delaney, Martin F., doing business as Surtemper Company, West Springfield, Mass. Tempering composition. 187,528; Aug. 5; Serial No. 193,325; published May 6, 1924.

Delap, Frederick W., Terryville, Conn. Medicinal lotion. 187,523; Aug. 5; Serial No. 193,449; published May 6, 1924.

Dell Publishing Co. Inc., New York, N. Y. Magazine. 187,407; Aug. 5; Serial No. 187,407; published May 20, 1924.

Delta Lumber Company, New Orleans, La. Logs and wooden piling. 187,412; Aug. 5; Serial No. 184,023; published May 13, 1924.

De Parys, Jean. (See Feldman, Arthur.)
D'Ortona, Titino, Philadelphia, Pa. Preparation for the treatment of diabetes, gout, etc. 187,627; Aug. 5; Serial No. 193,327; published May 20, 1924.
Dowd, J. C., & Co. Inc., New York, N. Y. Toilet combs and buttonhooks. 187,509; Aug. 5; Serial No. 192,901; published May 27, 1924.
Doyle, Jack, doing business as Greenville Laboratories, Greenville, Pa. Ointment, salve, or preparation for treatment of eczema, etc. 187,401; Aug. 5; Serial No. 192,762; published May 20, 1924.
Doyle, Jack, doing business as Bald-Rid Company, Greenville, Pa. Hair tonics. 187,526; Aug. 5; Serial No. 193,387; published Apr. 29, 1924.
Drabek, Charles, doing business as Painters Supply Co., Cleveland, Ohio. Varnishes and prepared shellac. 187,548; Aug. 5; Serial No. 190,237; published May 13, 1924.
Drug & Chemical Markets, Inc., New York, N. Y. Title of a trade paper. 187,559; Aug. 5; Serial No. 194,342; published June 3, 1924.
Dry-Zero Insulation Company, Oakland, Calif. Refrigerator truck bodies and railroad cars. 187,376; Aug. 5; Serial No. 191,815; published May 13, 1924.
Dubilier Condenser & Radio Corporation, New York, N. Y. Radiofrequency transformers. 187,399; Aug. 5; Serial No. 192,903; published Apr. 29, 1924.
Dunn-Locke Manufacturing Co., Fort Worth, Tex. Bluing. 187,556; Aug. 5; Serial No. 194,167; published May 13, 1924.
Durand & Huguenin A. G., Basel, Switzerland. Dyestuffs. 187,502–4; Aug. 5; Serial Nos. 193,030–2; published Apr. 29, 1924.
Eastern States Farmers' Exchange, Springfield, Mass. Seeds. 187,737; Aug. 5; Serial No. 191,760; published May 20, 1924.
Eavey Company, The, Xenia, Ohio, Fort Wayne, Richmond, and Huntington, Ind., and Sturgis, Mich. Gloss starch and salt. 187,398; Aug. 5; Serial No. 193,033; published May 20, 1924.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer thinners, and lacquer enamels. 187,438; Aug. 5; Serial No. 179,187; published Oct. 23, 1923.
El Adaros, Fremel, Chicago, Ill. Catalogues, books, and courses published from time to time. 187,406; Aug. 5; Serial No. 188,732; published May 27, 1924.
Elder Mfg. Co., St. Louis, Mo. Men's and boys' shirts, and boys' and children's blouses, play suits, etc. 187,587; Aug. 5; Serial No. 194,597; published May 27, 1924.
Elimo Company, The, Chicago, Ill. Liquid automobile body cleaner, furniture cleaner, etc. 187,422; Aug. 5; Serial No. 195,268; published June 3, 1924.
Empire Paper Company, Chicago, Ill. Writing paper. 187,640; Aug. 5.
Etablissements Poulenc Frères (Société Anonyme), Paris, France. Chemical compound for use in the treatment of protozoan affections. 187,419; Aug. 5; Serial No. 173,752; published May 13, 1924.
Even, M. J., & Sons, Chicago, Ill. Shoes, hats, shirts, neckties, cravats, and scarfs. 187,602; Aug. 5; Serial No. 185,694; published May 27, 1924.
Everett Fruit Products Company, Everett, Wash. Canned fruits and vegetables. 187,673; Aug. 5.
Ever-Off Manufacturing Company. (See Bates, George S.)
Fagan, John T., Cleveland Heights, Ohio. Automobile lamp carriers. 187,521; Aug. 5; Serial No. 193,512; published May 6, 1924.
Falter, Richard, doing business as Richard Falter Company, New York, N. Y. Rubberized and waterproof sheeting and crib sheets. 187,670; Aug. 5.
Fashion-Belt Dress Co. Inc., New York, N. Y. Waists, dresses, gowns, evening gowns, suits, wraps, coats, etc. 187,607; Aug. 5; Serial No. 169,055; published Feb. 6, 1923.
Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Cotton, linen, etc., piece goods. 187,663; Aug. 5.
Feldbaum & Spiegel, Inc., New York, N. Y. Ladies' jackets and coats. 187,594; Aug. 5; Serial No. 191,824; published May 27, 1924.
Feldman, Arthur, doing business as Jean de Parys, New York, N. Y. Perfumes, face creams, powders, and rouge. 187,648; Aug. 5.
Feldman, David, doing business as Da-Fel Pharmaceutical Co., Allston, Mass. Cathartic preparations. 187,496; Aug. 5; Serial No. 193,163; published Apr. 29, 1924.
Fendagard Corporation, Springfield, Mass. Guards for vehicle fenders. 187,405; Aug. 5; Serial No. 188,938; published May 6, 1924.
Foote-Reynolds Company, Grand Rapids, Mich. Bedroom furniture. 187,374; Aug. 5; Serial No. 191,705; published June 3, 1924.
Fort Worth Chamber of Commerce, Fort Worth, Tex. Fresh, preserved, pickled, and dried cantaloupes. 187,609; Aug. 5; Serial No. 186,619; published Mar. 25, 1924.
Foster, Caney, doing business as Roanoke Medicine Company, Weldon, N. C. Repellent for mosquitoes, etc. 187,439; Aug. 5; Serial No. 192,524; published May 20, 1924.
Fowler, J. B., Bartlesville, Okla. Medicinal preparation for the treatment and relief of nervous troubles. 187,612; Aug. 5; Serial No. 194,915; published June 3, 1924.
Franklin Coal Company of St. Louis, St. Louis, Mo. Coal. 187,572; Aug. 5; Serial No. 195,506; published May 20, 1924.
Frazier, F. A., Company, San Francisco, Calif. Insecticide. 187,615–16; Aug. 5; Serial Nos. 194,701–2; published June 3, 1924.
Friedman Brothers, Inc., New York, N. Y. Men's clothing. 187,582; Aug. 5; Serial No. 194,857; published May 27, 1924.
Friedrich, John, doing business as Blue Anchor Inn Beverage Co., Philadelphia, Pa. Ginger ale. 187,656; Aug. 5.
Fulford Mfg. Co., Providence, R. I. Snap fasteners. 187,571; Aug. 5; Serial No. 195,396; published June 3, 1924.
Fulford Mfg. Co., Providence, R. I. Snap fasteners. 187,573; Aug. 5; Serial No. 195,509; published June 3, 1924.
Funk & Wagnalls Company, New York, N. Y. Periodical published monthly. 187,568; Aug. 5; Serial No. 194,792; published June 3, 1924.
Gardiner and Lewis, Inc., New York, N. Y. Asphalt composition. 187,490; Aug. 5; Serial No. 191,311; published May 6, 1924.
Gelardin, Ralph, doing business as Advance Battery Co., New York, N. Y. Batteries. 187,461; Aug. 5; Serial No. 181,273; published Apr. 15, 1924.
General Electric Company, Schenectady, N. Y. Electric incandescent lamps. 187,457; Aug. 5; Serial No. 175,603; published May 6, 1924.
General Laboratories Company, The. (See Miller, William.)
General Motors Chemical Company, Moraine City, near Dayton, Ohio. Motor-fuel component. 187,410; Aug. 5; Serial No. 186,125; published May 13, 1924.
Gherardi, Domenico, doing business as Gherardi Co., Corona, N. Y. Herb laxative and stomach medicines. 187,642; Aug. 5.
Gingras, Eugene H., assignor to Alphonse Couture & Company, Hull, Quebec, Canada. Face pack. 187,469; Aug. 5; Serial No. 189,400; published May 20, 1924.
Goldman Costume Company Inc., New York, N. Y. Ladies' suits and coats. 187,588; Aug. 5; Serial No. 194,346; published May 20, 1924.
Greenville Laboratories. (See Doyle, Jack.)
Grennan Cake Corporation, Detroit, Mich. Baking powder. 187,386; Aug. 5; Serial No. 192,766; published Apr. 29, 1924.
Gude, O. J., Co., N. Y., The, New York, N. Y. Paints. 187,481; Aug. 5; Serial No. 192,251; published May 20, 1924.
Harrisburg Colliery Company, Chicago, Ill. Coal. 187,471; Aug. 5; Serial No. 193,590; published May 6, 1924.
Haydun Company, Chicago, Ill. Laxatives. 187,493; Aug. 5; Serial No. 193,283; published Apr. 29, 1924.
Heco Envelope Company, Chicago, Ill. Mailing envelopes. 187,480; Aug. 5; Serial No. 192,383; published May 20, 1924.
Heetol Company, Inc., Brooklyn, N. Y. Solid smokeless fuel. 187,501; Aug. 5; Serial No. 193,042; published May 13, 1924.
Heldbrink Company, The, Minneapolis, Minn. Medicinal preparation for internal use to relieve pain. 187,621; Aug. 5; Serial No. 130,035; published Oct. 26, 1920.
Heintz Laboratories, Inc., San Francisco, Calif. Abrasive pads. 187,424–5; Aug. 5; Serial Nos. 194,864–5; published May 27, 1924.
Hoffman Lumber Company, Fort Wayne, Ind. Unfinished lumber, veneer, shingles, and laths. 187,478; Aug. 5; Serial No. 192,616; published May 6, 1924.
Holcomb, J. I., Mfg. Co., Indianapolis, Ind. Cleansing powder. 187,435; Aug. 5; Serial No. 184,780; published June 3, 1924.
Holmes Coal Sales Company, The, Cincinnati, Ohio. Coal. 187,540; Aug. 5; Serial No. 179,370; published May 13, 1924.
Homestead Company, The, Des Moines, Iowa. Monthly publication. 187,506; Aug. 5; Serial No. 192,976; published May 27, 1924.
Hudelson and Damrell, Modesto, Calif. Rodent poisons. 187,379; Aug. 5; Serial No. 192,387; published May 13, 1924.
Hudnut, Richard, New York, N. Y. Talcum, face powder, bath salts, sachet, etc. 187,492; Aug. 5; Serial No. 193,286; published Apr. 29, 1924.
Hughes & Bradley Company, Philadelphia, Pa. Neckties and cravats. 187,592; Aug. 5; Serial No. 192,536; published May 27, 1924.
Independent Wall Paper Company, Pittsburgh, Pa. Paints, paint enamels, varnishes, shellacs. 187,617; Aug. 5; Serial No. 192,075; published Apr. 22, 1924.
International Motor Company, New York, N. Y. Motor trucks. 187,497; Aug. 5; Serial No. 193,113; published May 6, 1924.
Interstate Co., The, Cleveland, Ohio. Counter display stand. 187,563; Aug. 5; Serial No. 194,644; published June 3, 1924.
Interstate Industrial Alcohol Co., The, Cleveland, Ohio. Industrial alcohol. 187,641; Aug. 5.

Irvington Varnish & Insulator Co., Irvington, N. J. Electrical insulation materials. 187,446; Aug. 5; Serial No. 191,884; published May 6, 1924.
Jackson, Edwin A., & Bro. Inc., New York, N. Y. Chutes and windows. 187,664; Aug. 5.
Jackson, Mortimer L., doing business as Nassau Information Bureau, New York, N. Y. Periodical. 187,370; Aug. 5; Serial No. 191,269; published May 27, 1924.
Janssen, John F., doing business as The Octo Company, Seattle, Wash. Boiler compound. 187,403; Aug. 5; Serial No. 190,343; published May 13, 1924.
Jessup & Moore Paper Co., The, Philadelphia, Pa. Pulp for paper making. 187,569; Aug. 5; Serial No. 194,927; published May 20, 1924.
Jiffy Wire Connector Co., Hackensack, N. J. Wire connecters. 187,395; Aug. 5; Serial No. 193,177; published Apr. 29, 1924.
Johnson Chemical Company, Lowell, Mass. Mouth wash and gargle. 187,500; Aug. 5; Serial No. 193,045; published Apr. 29, 1924.
Johnson, Grace, Indianapolis, Ind. Hair grower, hair-straightening preparation, temple grower, tetter salve, tar shampoo. 187,409; Aug. 5; Serial No. 186,323; published May 13, 1924.
Johnson, J. Oliver, Inc., Chicago, Ill. Lawn-grass seeds. 187,564; Aug. 5; Serial No. 194,646; published May 20, 1924.
Johnson & McGrath Laboratory, Jefferson, Iowa. Remedy for treating skin diseases and skin infections. 187,460; Aug. 5; Serial No. 180,010; published Dec. 18, 1923.
Kelly, James P., New York, N. Y. Tipped lacing cords and tips therefor. 187,415; Aug. 5; Serial No. 178,045; published May 27, 1924.
Kemp & Lane, Inc., Le Roy, N. Y. Tablets, menthol cream, salve, and ointment. 187,451; Aug. 5; Serial No. 169,061; published May 20, 1924.
Keyes, James E., doing business as Chicken Pharmacy, Petaluma, Calif. Poultry tonic and worm expeller. 187,515; Aug. 5; Serial No. 193,928; published Apr. 29, 1924.
Keystone State Nurseries, Beaver Falls, Pa. Nursery stock. 187,535; Aug. 5; Serial No. 170,718; published Apr. 8, 1924.
Kier Fire Brick Co., The, Pittsburgh, Pa. Fire brick. 187,551; Aug. 5; Serial No. 194,073; published May 20, 1924.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 187,530; Aug. 5; Serial No. 193,293; published June 3, 1924.
Kirshbaum, R., & Son, Inc., Indianapolis, Ind. Dresses. 187,579; Aug. 5; Serial No. 194,928; published May 27, 1924.
Klagshamns Cementverks Aktiebolag, Malmo and Klagshamn, Sweden. Portland cement. 187,632; Aug. 5; Serial No. 192,328; published May 20, 1924.
Kleckner, David, New York, N. Y. Olive oil, Spanish saffron, and Spanish paprika. 187,658; Aug. 5.
Konheim & Margolis, New York, N. Y. Children's wash suits. 187,578; Aug. 5; Serial No. 195,006; published May 27, 1924.
Kraemer Hosiery Company, Nazareth, Pa. Hosiery. 187,590; Aug. 5; Serial No. 194,197; published May 27, 1924.
Krug, John V., doing business as Krug Chemical Laboratory, Crawfordsville, Ind. Medicinal tonic and regulator. 187,367; Aug. 5; Serial No. 193,340; published May 20, 1924.
Kryder-Shepard Co. Inc., Kansas City, Mo. Indexed desk files. 187,431; Aug. 5; Serial No. 189,252; published May 20, 1924.
Kryza, Joseph P., doing business as Super Arc Welding Machine Co., Detroit, Mich. Electric welding machines. 187,619; Aug. 5; Serial No. 173,837; published May 6, 1924.
Lansdale Silk Hosiery Co., Lansdale, Pa. Chiffon hosiery for ladies. 187,577; Aug. 5; Serial No. 195,008; published May 27, 1924.
Larkin Co. Inc., Buffalo, N. Y. Dye combined with soap water-softener compound borax, etc. 187,402; Aug. 5; Serial No. 190,597; published May 13, 1924.
Licht, J. C., Company, Chicago, Ill. Floor varnish, paint enamel, enamel underbody, and cement coating. 187,433; Aug. 5; Serial No. 187,321; published May 20, 1924.
Locher, Felix M., Fresno, Calif. Artificial flowers. 187,414; Aug. 5; Serial No. 179,735; published May 27, 1924.
Loewi, Hugo V., Inc., New York, N. Y. Hops. 187,643–4; Aug. 5.
Love, W. Alford, Birmingham, Ala. Polish for furniture, automobiles, and painted and varnished surfaces. 187,541; Aug. 5; Serial No. 179,944; published May 20, 1924.
Luckel King & Cake Soap Company, Portland, Oreg. Soap. 187,428; Aug. 5; Serial No. 193,935; published May 27, 1924.
MacVale Company of America, Inc., The, New York, N. Y. Men's shirts, hosiery, neckties, and underwear. 187,600; Aug. 5; Serial No. 189,632; published May 27, 1924.
Maloney, George, Niagara Falls, N. Y. Coal, charcoal, coke, cordwood, and slab wood. 187,482; Aug. 5; Serial No. 192,136; published May 6, 1924.
Manny-Rielly Co., New York, N. Y. Ladies' bloomers. 187,586; Aug. 5; Serial No. 194,651; published May 27, 1924.
Mansin, Antonio V., Gillespie, Ill. Salve for burns. 187,529; Aug. 5; Serial No. 193,298; published Apr. 29, 1924.
Mapu, Sarah L., doing business as Mme. Mapu, New York, N. Y. Chemical preparation for removing hair. 187,512; Aug. 5; Serial No. 194,012; published May 6, 1924.
Mariella Parfumes, Inc., Brooklyn, N. Y. Hair and scalp tonic. 187,614; Aug. 5; Serial No. 194,727; published June 3, 1924.
Markwell Manufacturing Company, Inc., New York, N. Y. Crayons. 187,636; Aug. 5.
Massimo, Louis S., doing business as Anti-Pluvius Water Proof Co., New York, N. Y. Waterproofing preparation. 187,408; Aug. 5; Serial No. 186,561; published Apr. 22, 1924.
Mendelsohn, Herman L., doing business as Herman T. Mendelsohn Co., New York, N. Y. Underwear for women. 187,585; Aug. 5; Serial No. 194,653; published May 27, 1924.
Merklin, M. J., Paint Co., Inc., New York, N. Y. Exterior and interior ready-mixed paint. 187,547; Aug. 5; Serial No. 190,118; published May 13, 1924.
Merlino, A., & Sons, Seattle, Wash. Olive oil. 187,661; Aug. 5.
Mestre, José R. (See Cros, Agustin M.)
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedy for syphilis, sleeping sickness, etc. 187,452; Aug. 5; Serial No. 170,396; published June 3, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedy for syphilis, sleeping sickness, etc. 187,454–5; Aug. 5; Serial Nos. 172,167–8; published June 3, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Anæsthetics. 187,620; Aug. 5; Serial No. 172,169; published June 3, 1924.
Midwest Varnish Company, Chicago, Ill. Ready-mixed paint. 187,436; Aug. 5; Serial No. 184,036; published May 20, 1924.
Miller, R. H., Co., Inc., Asbury Park, N. J., and Homer, N. Y. Saponaceous compounds used in the process of drawing wire. 187,384; Aug. 5; Serial No. 192,575; published May 13, 1924.
Miller, William, doing business as The General Laboratories Company, Cincinnati, Ohio. Embalming fluid. 187,667; Aug. 5.
Miller, William, doing business as The General Laboratories Company, Cincinnati, Ohio. Arterial wash. 187,668; Aug. 5.
Moore, Cecil, Lewistown, Mont. Dance-floor wax. 187,483; Aug. 5; Serial No. 192,083; published May 13, 1924.
Moore Skin-Glo Co. (See Bacorn, Garrett E.)
Morvay Specialty Co. Inc., The, Newark, N. J. Salve for the treatment of chafing, etc. 187,462; Aug. 5; Serial No. 182,394; published May 20, 1924.
Myers Coal & Coke Co., The, Cleveland, Ohio. Coal. 187,473; Aug. 5; Serial No. 193,059; published May 6, 1924.
Nachod Signal Company, Louisville, Ky. Electrical railway signals. 187,390; Aug. 5; Serial No. 193,531; published Apr. 29, 1924.
Nassau Information Bureau. (See Jackson, Mortimer L.)
Natalie, Washington, D. C. Suits, outer dresses, coats, overcoats, hats, etc. 187,606; Aug. 5; Serial No. 170,534; published May 27, 1924.
National Aniline & Chemical Company, Incorporated, New York, N. Y. Dyestuffs, certified food colors, and intermediates. 187,553; Aug. 5; Serial No. 194,116; published May 6, 1924.
National Metal Molding Company, Pittsburgh, Pa. Electrical conduits and fittings, insulating brackets, etc. 187,459; Aug. 5; Serial No. 179,816; published May 6, 1924.
National Oil & Supply Co., Newark, N. J. Liquid-wax dressing. 187,533; Aug. 5; Serial No. 161,271; published Feb. 27, 1923.
National Renovating & Supply Co., Kansas City, Mo. Liquid soap. 187,662; Aug. 5.
Never-Stretch Mattress Company, Philadelphia, Pa. Mattresses. 187,417; Aug. 5; Serial No. 175,617; published June 3, 1924.
Never-Stretch Mattress Company, Philadelphia, Pa. Mattresses. 187,418; Aug. 5; Serial No. 175,615; published May 27, 1924.
Niehoff Corporation, The, Chicago, Ill. Coil contacts and springs for automobile ignition systems. 187,389; Aug. 5; Serial No. 193,535; published Apr. 29, 1924.
Noosting Pin Ticket Company, Incorporated, Mount Vernon, N. Y. Paper clips. 187,647; Aug. 5.
Oatman Condensed Milk Co., The, Dundee, Ill. Evaporated milk. 187,659; Aug. 5.
Oberwager, Samuel J., New York, N. Y. Dentifrices. 187,624; Aug. 5; Serial No. 193,949; published May 20, 1924.
Ohio Garment Company, The, Springfield, Ohio. Suspenders, work shirts, overalls, pants, and coats. 187,596; Aug. 5; Serial No. 190,805; published May 27, 1924.
Ohio Salt Company, The, Wadsworth, Ohio. Salt. 187,453; Aug. 5; Serial No. 171,863; published Feb. 20, 1923.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co., and also doing business as Overton-Hygienic Co. and The Overton-Hygienic Co., Chicago, Ill. Shaving cream and soap. 187,476; Aug. 5; Serial No. 192,854; published May 27, 1924.

Pacific Novelty Company, New York, N. Y. Hair waivers. 187,562; Aug. 5; Serial No. 194,567; published June 3, 1924.
Paint Products Co., The, Elmira, N. Y. Paint and varnish remover. 187,542; Aug. 5; Serial No. 179,952; published Aug. 28, 1923.
Painters Supply Co. (See Darbek, Charles.)
Paintol Chemical Co., Limited, Quebec, Quebec, Canada. Liquid composition to be mixed with paint and which serves to increase the volume of the latter. 187,539; Aug. 5; Serial No. 179,320; published May 20, 1924.
Paraffine Companies, Inc., The, San Francisco, Calif. Wall board. 187,519; Aug. 5; Serial No. 193,849; published May 13, 1924.
Paramount Paint & Varnish Co., Philadelphia, Pa. Flat white paint. 187,486; Aug. 5; Serial No. 191,907; published May 20, 1924.
Parfumerie Roger & Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, etc., and perfumery. 187,411; Aug. 5; Serial No. 185,143; published Jan. 22, 1924.
Parisian Beauty Company, Pittsburgh, Pa. Rouge, rouge lipstick, toilet water, etc. 187,442; Aug. 5; Serial No. 192,376; published May 20, 1924.
Paristyle Novelty Co. Inc., New York, N. Y. Facial creams. 187,397; Aug. 5; Serial No. 193,065; published May 20, 1924.
Park & Tilford, New York, N. Y. Soap. 187,489; Aug. 5; Serial No. 191,567; published May 27, 1924.
Peabody Coal Company, Chicago, Ill. Coal. 187,475; Aug. 5; Serial No. 192,999; published May 6, 1924.
Pearson Hardwood Flooring Co., Oneida, Tenn. Hardwood flooring. 187,487; Aug. 5; Serial No. 191,733; published May 6, 1924.
Pendleton Woolen Mills, Portland, Oreg. Outer coats, trousers, bath robes, etc. 187,665; Aug. 5.
Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation for the correction of disorders and diseases of the liver. 187,613; Aug. 5; Serial No. 194,734; published June 3, 1924.
Pierre Lemoine et Cie., Inc., New York, N. Y. Food-flavoring oils, extracts, and essences. 187,601; Aug. 5; Serial No. 189,479; published May 13, 1924.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume, face powder, rouge, etc. 187,445; Aug. 5; Serial No. 192,035; published May 20, 1924.
Pons, Robert H., doing business as Remedial Manufacturing Co., Chicago, Ill. Medicinal compound for inflammation and congestion, coughs, etc. 187,639; Aug. 5.
Potter-Wrightington, Inc., Charlestown, Boston, Mass. Bread wrappers. 187,608; Aug. 5; Serial No. 160,025; published Apr. 10, 1923.
Powell, Andrew J., Albany, Ala. Preparation for treatment of cancer, tumors, etc. 187,387; Aug. 5; Serial No. 192,790; published Apr. 29, 1924.
Preis, J. J., & Co., New York, N. Y. Outer garments. 187,599; August 5; Serial No. 190,127; published May 27, 1924.
Priem, William, Magdeburg, Germany. Clay used for refractory purposes. 187,531; Aug. 5; Serial No. 134,755; published May 13, 1924.
Progressive Seating Co., Inc., Rochester, N. Y. School desks. 187,518; Aug. 5; Serial No. 193,856; published May 20, 1924.
Protectolite Co. Inc., New York, N. Y. Vehicle lamps. 187,470; Aug. 5; Serial No. 189,949; published May 6, 1924.
Pulitzer Publishing Company, St. Louis, Mo. Newspapers. 187,517; Aug. 5; Serial No. 193,857; published June 3, 1924.
Quigley Furnace Specialties Company, Inc., New York, N. Y. Light-weight heat-insulating concrete. 187,430; Aug. 5; Serial No. 189,733; published May 6, 1924.
Racon Electrical Co., Inc., New York, N. Y. Radio loud speakers. 187,441; Aug. 5; Serial No. 192,420; published May 6, 1924.
Radio Sales Studio, Inc., Washington, D. C. Complete radio receiving and radio amplifying instruments. 187,392; Aug. 5; Serial No. 193,248; published May 6, 1924.
Rauland Manufacturing Company, Inc., Chicago, Ill. Audiofrequency transformers, radiofrequency transformers, etc. 187,463; Aug. 5; Serial No. 184,263; published May 6, 1924.
Red Hand Compositions Company, Inc., New York, N. Y. Copper paint for the bottom of wooden vessels. 187,549; Aug. 5; Serial No. 191,137; published May 20, 1924.
Reliance Manufacturing Company, Chicago, Ill. Work shirts. 187,575; Aug. 5; Serial No. 194,217; published May 27, 1924.
Remackel, N. J., Tulsa, Okla. Preparation for piles and fistula. 187,380; Aug. 5; Serial No. 192,428; published May 13, 1924.
Remedial Manufacturing Co. (See Pons, Robert H.)
Remien & Kuhnert Co., Chicago, Ill. Ready-mixed paints and varnishes. 187,550; Aug. 5; Serial No. 191,138; published Apr. 22, 1924.
Richmond Fireproof Door Company, Richmond, Ind. Fireproof doors. 187,372; Aug. 5; Serial No. 191,507; published May 13, 1924.
Richmond Hosiery Mills, Rossville, Ga. Hosiery. 187,652; Aug. 5.
Rifkin, A., & Company, Wilkes-Barre, Pa. Ladies' and children's overall union suits. 187,593; Aug. 5; Serial No. 192,497; published May 27, 1924.
Roanoke Medicine Company. (See Foster, Caney.)
Robertson, H. H., Company, Pittsburgh, Pa. Protected metal sheets for roofs, gutters, etc. 187,674; Aug. 5.
Rosenfeld, E., & Co. (See Faultless Nightwear Corporation.)
Rosenzweig & Harper, New York, N. Y. Men's clothing. 187,671; Aug. 5.
Ross, Sydney, Co., Newark, N. J. Dentifrices, talcum, powder, saccharine tablets, etc. 187,391; Aug. 5; Serial No. 193,252; published May 20, 1924.
Ross, Sydney, Co., The, Newark, N. J. Talcum powder. 187,494; Aug. 5; Serial No. 193,250; published Apr. 29, 1924.
Ross, Sydney, Co., The, Newark, N. J. Cathartic pills, tonic medicinal preparations, etc. 187,629; Aug. 5; Serial No. 193,254; published May 20, 1924.
Ross, Sydney, Co., The, Newark, N. J. Dentifrices, talcum powder, saccharine tablets, etc. 187,630; Aug. 5; Serial Nos. 193,251–3; published May 20, 1924.
Ross, Sydney, Co., The, Newark, N. J. Preparation for the treatment of the liver or bowels. 187,631; Aug. 5; Serial No. 193,249; published May 20, 1924.
Ross, Thomas H., Brooklyn, N. Y. Hair wavers and curlers. 187,554; Aug. 5; Serial No. 194,126; published May 27, 1924.
Russell Electric Company, Chicago, Ill. Electric heat devices. 187,465; Aug. 5; Serial No. 185,191; published May 6, 1924.
Schoedinger, F. O., Columbus, Ohio. Eaves troughs, roof gutters, valleys, ridge rolls, etc. 187,537; Aug. 5; Serial No. 172,181; published May 6, 1924.
Schultz, M. & B., La Fayette, Ind. Dresses. 187,595; Aug. 5; Serial No. 191,787; published May 27, 1924.
Schwartz, Roy K., Baltimore, Md. Underwear and hosiery. 187,589; Aug. 5; Serial No. 194,366; published May 20, 1924.
Sealy Corporation, New York, N. Y. Ladies' hosiery. 187,603; Aug. 5; Serial No. 181,540; published May 27, 1924.
Segalas, Charles, doing business as Chas. Segalas Company, San Francisco, Calif. General tonic. 187,610; Aug. 5; Serial No. 190,133; published May 20, 1924.
Semon Bache & Company, New York, N. Y. Glass. 187,634; Aug. 5.
Seward-Bailey-Lewis & Co., Inc., Petersburg, Va. Men's outer garments. 187,576; Aug. 5; Serial No. 195,080; published May 27, 1924.
Shawaker, E. G., Co., The, Toledo, Ohio. Sole leather. 187,485; Aug. 5; Serial No. 191,791; published May 6, 1924.
Shotwell, A. V., & Co., Los Angeles, Calif. Cleaning, dressing, and polishing pastes, etc., for leather and cloth goods. 187,532; Aug. 5; Serial No. 158,017; published May 27, 1924.
Siegel, Rothschild & Co. (See Weinberg, Daniel A.)
Simon, J. R., & Co., Inc., New York, N. Y. Woven silk in the piece. 187,522; Aug. 5; Serial No. 193,477; published May 6, 1924.
Slattery, E. T., Co., Boston, Mass. Hosiery. 187,580–1; Aug. 5; Serial Nos. 194,881–2; published May 27, 1924.
Societe Anonyme Parfumerie Violet, Paris, France, assignor to Veolay Perfumery Corporation. Perfumes, toilet waters, face powders, etc. 187,458; Aug. 5; Serial No. 178,143; published May 20, 1924.
Société Industrielle de Dépouille Mécanique des Animaux, Paris, France. Raw and prepared skins and hides. 187,565; Aug. 5; Serial No. 194,743; published May 20, 1924.
Southern Beverage Company, Galveston, Tex. Ginger ale and carbonated water. 187,657; Aug. 5.
Southern California Furniture Manufacturing Co., Los Angeles and San Francisco, Calif. Furniture. 187,508; Aug. 5; Serial No. 192,933; published June 3, 1924.
Southern Laboratories, Inc., Westpoint, Va. Preparations for use in treatment of kidneys, etc. 187,555; Aug. 5; Serial No. 194,135; published May 6, 1924.
Stallard & Son, Wise, Va. Liniment for use in treatment of rheumatism. 187,611; Aug. 5; Serial No. 195,719; published June 3, 1924.
Standard Asphalt & Refining Company, Jersey City, N. J., and Chicago, Ill. Expansion joint. 187,557; Aug. 5; Serial No. 194,221; published May 20, 1924.
Standard Oil Company (New Jersey), Bayonne, N. J. Solvent. 187,525; Aug. 5; Serial No. 193,424; published May 6, 1924.
Stassfurter Chemische Fabrik vormals Vorster & Grüneberg Actien-Gesellschaft, Stassfurt, Germany. Metal-hardening substances. 187,633; Aug. 5; Serial No. 190,135; published May 13, 1924.
States Company, The, Hartford, Conn. Resistance units and boxes and frames containing resistance units. 187,444; Aug. 5; Serial No. 192,156; published May 6, 1924.
Stauffer Chemical Company, San Francisco, Calif. Preparation for killing weeds. 187,377; Aug. 5; Serial No. 192,199; published Apr. 29, 1924.
Stengel, George, Inc., Newark, N. J. Leathers. 187,477; Aug. 5; Serial No. 192,799; published May 13, 1924.
Stephens, Hugh, Printing & Stationery Co., The, Jefferson City, Mo. Monthly publication. 187,520; Aug. 5; Serial No. 193,633; published May 20, 1924.

Stevenson, Perry, Stacy & Co., Chicago, Ill. Magazine. 187,491; Aug. 5; Serial No. 193,191; published May 27, 1924.
Stumpp & Walter Co., New York, N. Y. Seeds and flowering bulbs. 187,669; Aug. 5.
Sun Oil Company, Philadelphia, Pa. Turpentine substitutes. 187,546; Aug. 5; Serial No. 182,727; published Apr. 29, 1924.
Sunbeam Chemical Company, Chicago, Ill. Dyes combined with soap. 187,645; Aug. 5.
Super Arc Welding Machine Co. (See Kryza, Joseph P.)
Surtemper Company. (See Delaney, Martin F.)
Swift and Company, Chicago, Ill. Cleaning soda compound. 187,369; Aug. 5; Serial No. 191,196; published May 13, 1924.
Swift and Company, Chicago, Ill. Butter. 187,635; Aug. 5.
Tacoma Planing Mills, Inc., Tacoma, Wash. Doors and moldings. 187,660; Aug. 5.
Talabot, Jean B., doing business as J. B. Talabot, San Diego, Calif. Perfumes, toilet creams, lotions, and powders. 187,552; Aug. 5; Serial No. 194,082; published May 6, 1924.
Thompson, Anson R., Company, Inc., Troy, N. Y. Paints, varnish stains, oil stains, etc. 187,536; Aug. 5; Serial No. 170,840; published May 13, 1924.
Todd, James, Pittsburgh, Pa. Oxidized edible oils and fats, and cocoa butter. 187,467; Aug. 5; Serial No. 187,903; published May 20, 1924.
Toy Kraft Company, The, Wooster, Ohio. Toy animals, wagons, and carts. 187,637; Aug. 5.
Traylor Engineering & Manufacturing Co., Allentown, Pa. Spring suspensions for motor and other vehicles. 187,371; Aug. 5; Serial No. 191,455; published May 6, 1924.
Trostel, Albert O., Milwaukee, Wis. Leather. 187,472; Aug. 5; Serial No. 193,084; published May 6, 1924.
Try-Me Co., Akron, Ohio. Automobile top dressing. 187,426; Aug. 5; Serial No. 195,142; published May 27, 1924.
Turner & Walls, New York, N. Y. Cotton piece goods. 187,672; Aug. 5.
United Chemical Co., Dallas, Tex. Battery acid compound. 187,381; Aug. 5; Serial No. 192,452; published May 13, 1924.
United States Gypsum Company, Chicago, Ill. Plastic wall covering. 187,560; Aug. 5; Serial No. 194,380; published May 20, 1924.
Utah Flax Products Company, Salt Lake City, Utah. Composition paste used as a waterproof auto top preserver and dressing. 187,427; Aug. 5; Serial No. 194,231; published May 27, 1924.
Van Waveren's, N. V., Graanhandel, Haarlem, Netherlands. Field and garden seeds and peas and beans for seed purposes. 187,488; Aug. 5; Serial No. 191,583; published May 6, 1924.
Vauv Company, The, Chicago, Ill. Nose cream. 187,514; Aug. 5; Serial No. 193,973; published May 6, 1924.
Veolay Perfumery Corporation. (See Societe Anonyme Parfumerie Violet, assignor.)
Vesuvius Battery Company, Los Angeles, Calif. Dry-cell batteries and flash-light-battery cases. 187,448–9; Aug. 5; Serial Nos. 191,206–7; published May 6, 1924.
Villecta Company, The, Atlanta, Ga. Combined face cream and powder. 187,626; Aug. 5; Serial No. 193,370; published May 6, 1924.
Walter Motor Truck Company, Inc., Long Island City, N. Y. Electric trucks. 187,649; Aug. 5.
Warren Clock Company, Ashland, Mass. Electrical motors. 187,400; Serial No. 192,808; published Apr. 29, 1924.
Watts, Cuetta, Washington, D. C. Shampoo oil, hair grower, face powder, etc. 187,388; Aug. 5; Serial No. 194,036; published June 3, 1924.
Weaver-Jackson Company, Inc., Los Angeles, Calif. Hair tonics, French bide, brilliantine, shampoo, etc. 187,394; Aug. 5; Serial No. 193,199; published May 20, 1924.
Weaver-Jackson Company, Inc., Los Angeles, Calif. Hair goods. 187,495; Aug. 5; Serial No. 193,200; published May 27, 1924.
Weinberg, Daniel A., doing business as Siegel, Rothschild & Co., Baltimore, Md. Umbrellas and parasols. 187,591; Aug. 5; Serial No. 193,742; published May 27, 1924.
Weinstock-Nichols Company, San Francisco, Calif. Storage batteries. 187,440; Aug. 5; Serial No. 192,460; published Apr. 22, 1924.
Welborn Yarn Company, Inc., New York, N. Y. Knitted goods of wool and cotton. 187,598; Aug. 5; Serial No. 190,661; published May 27, 1924.
West Kentucky Coal Company, Newark, N. J.; Sturgis and Paducah, Ky.; Memphis, Tenn.; Donaldsonville, La.; and Evansville, Ind. Coal. 187,505; Aug. 5; Serial No. 193,012; published May 20, 1924.
Western Boiler Compound & Chemical Co., doing business as Western Chemical Laboratories, Kansas City, Mo. Solvent for cleaning drain pipes, etc. 187,622; Aug. 5; Serial No. 193,974; published May 20, 1924.
Western Chemical Laboratories. (See Western Boiler Compound & Chemical Co.)
Wheeler, Osgood Company, The, Tacoma, Wash. Doors. 187,513; Aug. 5; Serial No. 193,975; published May 13, 1924.
White, Morris, New York, N. Y. Hand bags. 187,479; Aug. 5; Serial No. 192,461; published May 20, 1924.
White Motor Company, The, Cleveland, Ohio. Frames for motor vehicles, axles, axle housings, wheels, etc. 187,416; Aug. 5; Serial No. 175,899; published May 13, 1924.
Willer, Sam, Human Hair Goods Co. (See Abraham, Maurice.)
Witmer-Schmiedendorf, Mary, Buffalo, N. Y. Monthly periodical. 187,570; Aug. 5; Serial No. 195,131; published June 3, 1924.
Wolper, Bernard C., New York, N. Y. Styptic salves and ointments. 187,655; Aug. 5.
Women's Wear Company, New York, N. Y. Title for publications sections. 187,507; Aug. 5; Serial No. 192,947; published May 27, 1924.
Woodruff, Owen E., Buffalo, N. Y. Throat pastils. 187,438; Aug. 5; Serial No. 192,553; Published May 20, 1924.
Wróblewski, David, New York, N. Y. Preparation for stomach and intestinal conditions. 187,499; Aug. 5; Serial No. 193,086; published May 13, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bardell, J. C., doing business as Bardell Art Printing Co., San Francisco, Calif. 15 Views. For a Container for Miniature Post Cards. 27,670; Aug. 5.
Beardsley, Calvin L., doing business as Beardsley Specialty Co., Rock Island, Ill. Beardsley's. For Malt Extract. 27,671; Aug. 5.
Belding Bros. & Company, San Francisco, Calif. Carlson currier. For Spool Silk. 27,672; Aug. 5.
Blatz Products Company, Milwaukee, Wis. Hof-Brau. For Malt Sirup. 27,673; Aug. 5.
Clear Rock Mineral Co. (See Crowe, John C.)
Crowe, John C., doing business as Clear Rock Mineral Co., Indianapolis, Ind. R A B Saline Minerals. For a Preparation for the Feet and for Bathing the Human Body. 27,674; Aug. 5.
Dairymen's League Co-Operative Association, Inc., Utica, N. Y. Dairylea Powdered Skimmed Milk. For Powdered Skimmed Milk. 27,675; Aug. 5.
Hills Brothers Company, The, New York, N. Y. Dromedary Citron. For Candied Citron. 27,676; Aug. 5.
Independent Fruit Growers, Inc., New York, N. Y. Golden Groves. For Oranges. 27,677; Aug. 5.
Janszen Grocery Company, The, Cincinnati, Ohio. Dot. For Coffee. 27,678; Aug. 5.
McGrew, William E., Los Angeles, Calif. McGrew's. For Weatherproof Pure Paint. 27,679; Aug. 5.
Meehan Grocery Company, St. Louis, Mo. Meehan's. For Malt Extract. 27,680; Aug. 5.
Miller, H. W. & L. P., Paw Paw, W. Va. Mountaineer. For Fresh Apples. 27,681; Aug. 5.
Nichols, W. R. W., Co., Inc., San Francisco, Calif. In-B-Tween. For Food Paste. 27,682; Aug. 5.
Patti, Salvatore, doing business as The Plattifome Products Company, Belleville, N. J. Marve. For Hair Tonic. 27,683; Aug. 5.
Plattifome Products Company, The. (See Patti, Salvatore.)
Premo Electric Corporation, New York, N. Y. Semble Ur Own. For Flash Lights and Parts Thereof. 27,684; Aug. 5.
Salem Chemical & Supply Company. (See Symonds, Frank P.)
Sankey, David W., Mifflinburg, Pa. Sankey's U-Need-A Belt Dressing. For a Liquid Dressing Adhesive in Quality and is Used on All Kinds of Leather and Fabric Belting. 27,685; Aug. 5.
Spang, J., Baking Company, The, Cleveland, Ohio. Home-Bake. For Bread. 27,686; Aug. 5.
Sterling Pin Co., The, Derby, Conn. Tourist. For Hairpins. 27,687; Aug. 5.
Strombeck-Becker Mfg. Co., Moline, Ill. Hexoblox. For Box for No. 1 Hexoblox—Namely, an Instructive Game. 27,688; Aug. 5.
Strombeck-Becker Mfg. Co., Moline, Ill. Hexoblox. For Box for No. 2 Hexoblox—Namely, an Instructive Game. 27,689; Aug. 5.
Symonds, Frank P., doing business as Salem Chemical & Supply Company, Salem, Mass. Cedar Oil Polish. For a Polish for Woodwork and Furniture and for Recharging Oil Mops. 27,690; Aug. 5.
Thoro Corporation, The, Chicago, Ill. Mazmeal Neutral Hand Soap. For Men and Women who Work with Their Hands. For Powdered Soap. 27,691; Aug. 5.
United Hosiery Stores Co., Chicago, Ill. United Double Stripe Hosiery. For Hosiery. 27,692; Aug. 5.
Utt Juice Company, Tustin, Calif. Queen Isabella. For Grape Juice. 27,693; Aug. 5.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cluett, Peabody & Co., Inc., Troy, N. Y. Kebo A New Style In Arrow Collars. For Collars. 7,533; Aug. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. It pays to insist on Arrows Piccadilly. For Shirts. 7,534; Aug. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Donchester Arrow Dress Shirts. For Shirts. 7,535; Aug. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. It Pays To Insist On Arrows His First Dress Shirts, Quite Naturally It Is An Arrow. For Shirts. 7,536; Aug. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. It Pays To Insist On Arrows Arrow Shirts for Evening Wear. For Shirts. 7,537; Aug. 5.
Coty, Inc., Wilmington, Del., and New York, N. Y. Le Talc de Coty. For Talc Powder and Toilette Water. 7,538; Aug. 5.
Coty, Inc., Wilmington, Del., and New York, N. Y. Le Talc de Coty. For Powders. 7,539–40; Aug. 5.
Easterbrook Coal Company, The, Cleveland, Ohio. Ecco. For Coal. 7,541; Aug. 5.
Foot Remedy Company, Chicago, Ill. Corns Hurt? Stop 'Em. For Corn Plasters. 7,542; Aug. 5.
Franklin Knitting Mills Inc., New York, N. Y. The Tie Question. For Knitted Neckties. 7,543; Aug. 5.
Georgia, William B., Waco, Tex. Hitone Knt LX. For Fancy Cut Spectacle and Eyeglass Lenses. 7,544; Aug. 5.
Georgia, William B., Waco, Tex. Octagonal Cut In the Neutral Ground Nonglare Lenses. For Spectacle and Eyeglass Lenses. 7,545; Aug. 5.
Kesselman-O'Driscoll Co., Milwaukee, Wis. Console Phonograph. For a Musical Instrument. 7,546; Aug. 5.
Phillips-Jones Corporation, New York, N. Y. Van Heusen the World's Smartest Collar. For Collars. 7,547; Aug. 5.
Runkel Brothers, Inc., New York, N. Y. For Over Fifty Years Manufacturers of High Grade Chocolate Coatings and Liquors. For Chocolate Coatings and Liquors. 7,548; Aug. 5.
Seaboard Rice Milling Co., Inc., New York, N. Y. Comet Rice. For Rice. 7,549; Aug. 5.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Whitman's Salmagundi Chocolates. For Chocolates. 7,550; Aug. 5.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Whitman's Pleasure Island Chocolates. For Chocolates. 7,551; Aug. 5.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Whitman's Nuts Chocolate Covered. For Nuts Chocolate Covered. 7,552; Aug. 5.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acheson Harden Co., The, New York, N. Y. Handkerchiefs. 195,148; Aug. 5.
Allied Belting Company, The, Greenville, Ohio. Canvas belting. 191,806; Aug. 5.
American Rubber and Tire Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes therefor. 180,261; Aug. 5.
American Smelting & Refining Company, New York, N. Y. Coal, coke, lignite, peat, and fuel briquettes. 196,422; Aug. 5.
American Tap Bush Co., Detroit, Mich. Cereal-beverage cooling and dispensing outfits. 161,953; Aug. 5.
Anchor Sawmills Company, Pelham Manor and New York, N. Y. Oars and paddles. 197,980; Aug. 5.
Anheuser-Busch, Inc., St. Louis, Mo. Corn sugar. 192,054; Aug. 5.
Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electrical cookers. 188,514; Aug. 5.
Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electrical cookers. 188,516; Aug. 5.
Approved Pictures Corporation, The, New York, N. Y. Motion-picture films. 197,981–2; Aug. 5.
Arabol Mfg. Co., The, New York, N. Y. Shoe paste and mucilages. 198,211; Aug. 5.
Arabol Mfg. Co., The, New York, N. Y. Wall size. 198,212; Aug. 4.
Arabol Mfg. Co., The, New York, N. Y. Tin paste. 198,213; Aug. 5.
Atlantic & Pacific Radio Co. (See Taub, Morris.)
Babani, Maurice, Paris, France. Perfume extracts, toilet waters, face lotions, etc. 198,608; Aug. 5.
Bagley, H. J., doing business as Rex Blow Torch Co., Brooklyn, N. Y., and San Francisco, Calif. Blowtorches. 197,795; Aug. 5.
Bakelite Corporation, New York, N. Y. Condensation products of phenols and formaldehyde. 198,336; Aug. 5.
Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 198,554; Aug. 5.
Barton Salt Company, The, Hutchinson, Kans. Monthly magazines. 193,890; Aug. 5.
Beach, Mally P., Ridgefield, Conn. Floating toys. 188,465; Aug. 5.
Beats-All Liniment. (See Gast, Edward D.)
Beiser, Edward T., Company, Inc., Riverside, Conn. Natural and synthetic flower oils. 196,502; Aug. 5.
Benjamin Electric Manufacturing Company, Chicago, Ill. Push-button switches for automobiles. 198,109; Aug. 5.
Bergstrasser, Charles, Eureka Springs, Ark. Dentifrices. 198,394; Aug. 5.
Berkley Knitting Company, Philadelphia, Pa. Neckties and cravats. 187,845; Aug. 5.
Berkow, David, doing business as Capitol Glass and Mirror Co., Baltimore, Md. Combined clamp and hinged bracket for windshields. 198,050; Aug. 5.
Berna Watch Co., S. A., St. Imier, Switzerland. Watches, watch movements, cases, and dials. 187,373; Aug. 5.
Big Four Canning Co., Stanley, Wis. Canned peas. 197,355; Aug. 5.
Bishop & Company, Los Angeles, Calif. Chocolate candy. 198,729; Aug. 5.
Blandford, Charles G., Ossining, N. Y. Beverages sold as soft drinks. 197,319–20; Aug. 5.
Boehringer, C. H., Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Papaverine nitrite and salts, medicines, and pharmaceutical preparations for reducing blood pressure, etc. 174,061; Aug. 5.
Boston Woven Hose & Rubber Company, Cambridge, Mass. Belting, packing, hose, tires, tubing, and fruit-jar rings. 162,374; Aug. 5.
Brach, Jacques, Paris, France. Perfumes, toilet waters, toilet lotions, etc. 198,560; Aug. 5.
Burns, E. Reed, Mfg. Corp., Brooklyn, N. Y.; Chicago, Ill.; and Cleveland, Ohio. Polishing and buffing compound. 197,359; Aug. 5.
Burt, Harry B., Youngstown, Ohio. Ice-cream suckers. 188,528; Aug. 5.
California Canneries Co., San Francisco, Calif. Canned fruits and vegetables. 178,219; Aug. 5.
Call, John A., doing business as The John Call Co., Philadelphia, Pa. Ventilators. 197,990–1; Aug. 5.
Candler, Mary, Dayton, Ohio. Hairdressing. 198,286; Aug. 5.
Capitol Glass and Mirror Co. (See Berkow, David.)
Cardinal Candy Company, Chicago, Ill. Chocolate-covered potato chips. 198,563; Aug. 5.
Castagno, Mary, Philadelphia, Pa. Preparation for rheumatism, lumbago, etc. 196,692; Aug. 5.
Cave, Francis A., Boston, Mass. Scientific journal. 198,173; Aug. 5.
Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets for infants' diapers. 198,454; Aug. 5.
Central Food Products Company, Chicago, Ill. Shortening compound. 159,648; Aug. 5.
Certain-teed Products Corporation, New York, N. Y. Roofing felts, asphalt roofings, etc. 194,975; Aug. 5.
Certain-teed Products Corporation, New York, N. Y. Linoleums, felt-base floor coverings, composition floor coverings, etc. 195,802; Aug. 5.
Chase, Mabel E., Los Angeles, Calif. Periodical publication. 198,113; Aug. 5.
Cheney Lime Company, Allgood, Ala. Lime. 189,099; Aug. 5.
Chez Rellew Laboratories. (See Saussier, Inc.)
Chicago Shopping News Assn., The. (See Williams, Edny-fed H.)
Clover Leaf Products Co., Los Angeles, Calif. Ginger ale, root beer, and beverages sold as soft drinks. 194,849; Aug. 5.
Cohn Hall Marx Co., New York, N. Y. Printed terry cloth in the piece. 195,494; Aug. 5.
Compo Company Limited, Lachine, Quebec, Canada. Talking-machine records. 190,534; Aug. 5.
Conant, Houghton & Co. Inc., New York, N. Y. Elastic webbing. 197,469; Aug. 5.
Con-Form Spec. Co., Detroit, Mich. Form spacers used for plastic-material forms. 196,236; Aug. 5.
Coppus Engineering Corporation, Worcester, Mass. Power-driven blowers and fans. 183,735–6; Aug. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20. 1905, Sec. 6, as amended Mar. 2, 1907.]

Corning Glass Works, Corning, N. Y. Nursing bottles. 198,506; Aug. 5.
Corticelli Silk Company, The, Northampton, Mass. Thread. 188,892; Aug. 5.
Corticelli Silk Co., The, Florence, Mass. Silk fabrics. 188,893; Aug. 5.
Corticelli Silk Company, The, Florence, Mass., Threads of silks, cotton, and wool. 195,949; Aug. 5.
Cosmic Crayon Company Limited, The, Bedford, England. Prepared wax used for modeling purposes. 192,211; Aug. 5.
Cosner, Bruce L., Enid, Okla. Passenger-identification slip. 197,136; Aug. 5.
Crawford-Austin Manufacturing Co., Waco, Tex. Camp furniture. 198,121; Aug. 5.
Creamette Company, The, Minneapolis, Minn. Salt, baking powder, and baking soda. 194,978; Aug. 5.
Cuyler, O. W., doing business as The Cuyler Packing Corporation, Modeltown, N. Y. Canned vegetables. 198,624; Aug. 5.
Cuyler Packing Corporation, The, Modeltown, N. Y. Canned vegetables and canned fruits. 198,625; Aug. 5.
Daily Orchards Co. (See Elliott, David J.)
Delker, George, Company, The, Henderson, Ky. Regular coaster wagons adapted to be changed into sleds. 198,058; Aug. 5.
Delker, George, Company, The, Henderson, Ky. Children's coaster wagons. 198,059; Aug. 5.
De Witt, E. C., & Co. Inc., Chicago, Ill. Laxative cold tablets, catarrhal cream, etc. 198,456; Aug. 5.
Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Tomato paste. 196,159; Aug. 5.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 194,913; Aug. 5.
Elliot, David J., doing business as Daily Orchards Co., Courtland, Calif. Pears. 197,659; Aug. 5.
Farber Brothers, New York, N. Y. Silver-plated hollow ware. 180,924; Aug. 5.
Farish Company, The, Greenwich, Conn., and New York, N. Y. Cotton sheeting. 197,197; Aug. 5.
Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Cotton, linen, artificial-silk, and silk piece goods and admixtures of same. 198,737; Aug. 5.
Federal Underwear Co., New York, N. Y. Infants' coats. 171,834; Aug. 5.
Feist, Alfred, doing business as Joseph Feist, Solingen, Germany. Table knives and forks, scissors, corkscrews, etc. 198,940; Aug. 5.
Feltcraft Company, Inc., Paulsboro, N. J. Waterproof floor-covering materials. 198,852; Aug. 5.
Firth, John, New York, N. Y. Radio jack plugs. 186,703; Aug. 5.
Fischer, G. H., & Co., Glendale, N. Y. Variometers, etc., for radio receiving sets. 194,532; Aug. 5.
Fleischaker & Baum, New York, N. Y. Doll. 181,883; Aug. 5.
Ford, Bacon & Davis, Inc., New York, N. Y. Periodical. 198,230; Aug. 5.
Franco Corset Co., Inc., New York, N. Y. Corsets and girdles. 197,661; Aug. 5.
Frohwein Pharmacy Inc., New York, N. Y. Reducing tablet. 195,440; Aug. 5.
Fromm, Frank H., doing business as F. H. Fromm & Co., Philadelphia, Pa. Safety matches. 198,704; Aug. 5.
Fuller, Clarence W., doing business as Top Not Tee Co., Yonkers, N. Y. Golf tee. 197,755; Aug. 5.
Gallub, Philip, New York, N. Y. Silk piece goods. 195,277; Aug. 5.
Gast, Edward D., doing business as Beats-All Liniment, Lima, Ohio. Liniment. 190,014; Aug. 5.
Gill, Hiram, Carthage, Miss. Healing salve. 186,362; Aug. 5.
Glasnamel Company, Inc., New York, N. Y. Preparation for cleaning glassware, pottery, earthenware, and metal. 197,807; Aug. 5.
Glynn Canning Company, Brunswick, Ga. Canned shrimp. 198,738; Aug. 5.
Goodyear Tire & Rubber Co., The, Akron, Ohio. Golf balls. 196,804; Aug. 5.
Goodyear Tire & Rubber Co., The, Akron, Ohio. Golf balls. 196,861; Aug. 5.
Graham, Edward A., doing business as Alfred Graham & Co., London, England. Loud-speaking telephonic apparatus. 193,830; Aug. 5.
Grammas Candy Company, Birmingham, Ala. Candy. 197,758; Aug. 5.
Griffin, Emma, Atlanta, Ga. Hair grower. 198,002; Aug. 5.
Grystol Company, The. (See Yoder, Leona K.)
Gulterman Bros. Inc., New York, N. Y. Mufflers. 198,181; Aug. 5.
Gunze Seishi Kabushiki Kwaisha, Ayabe-Machi, Japan. Raw silk. 168,036; Aug. 5.
Gurney Refrigerator Company, Fond du Lac, Wis. Refrigerators. 194,103; Aug. 5.
Hagemeister Food Products Co., Green Bay, Wis. Candy. 195,107; Aug. 5.
Halek Brothers, Cleveland, Ohio. Overcoats. 198,182; Aug. 5.
Hamilton Rubber Manufacturing Company, Trenton, N. J. Belting and air hose. 193,920; Aug. 5.
Hamlin & Adams, Los Angeles, Calif. Preparation for shaving and skin-healing purposes. 197,273–4; Aug. 5.
Hampton Roads Paper Company, Norfolk, Va. Toilet paper. 197,432; Aug. 5.
Hardenberg, Marion M., New York, N. Y. Pills. 197,075; Aug. 5.
Harris and Birdseye Inc., New York, N. Y. Radio receiving sets and parts thereof. 195,685; Aug. 5.
Hawley & Hoops, New York, N. Y. Candy. 197,814; Aug. 5.
Hecht, George J., New York, N. Y. Periodical. 198,408; Aug. 5.
Heller, E., & Brother, Inc., New York, N. Y. Handkerchiefs. 194,708–9; Aug. 5.
Herbert, John F., & Sons, Inc., Kingston, N. Y. Paint and varnish brushes. 198,572; Aug. 5.
Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y. Petticoats, princess slips, step-ins, etc. 198,458; Aug. 5.
Hijeen Company. (See Saldinger, Lucile.)
Hijos de Ybarra, Seville, Spain. Olive oil. 177,185; Aug. 5.
Hill, William M., Chicago, Ill. Street-car windows. 193,833; Aug. 5.
Hitchcock, Daniel N., doing business as Purity Chemical Co., Seattle, Wash. Disinfectant liquids. 188,678; Aug. 5.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 198,521; Aug. 5.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 198,709; Aug. 5.
Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands. Cocoa. 166,828; Aug. 5.
Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands. Cocoa. 167,815; Aug. 5.
Hongland Packing Co., The, Franklin, Ind. Canned vegetables. 196,810; Aug. 5.
Hy-Gas Laboratories, Inc., New York, N. Y. Chemical tablet for increasing the efficiency of gasoline. 197,666; Aug. 5.
Ideal Foot Powder Co. (See Jackson, Mary A.)
Independent Fruit Growers, Inc., New York, N. Y. Fresh vegetables and citrous fruits. 194,925; Aug. 5.
Independent Fruit Growers, Inc., New York, N. Y. Citrous-fruit marmalade. 194,926; Aug. 5.
International Brotherhood of Electrical Workers, Washington, D. C. Booklets and periodicals. 198,357; Aug. 5.
International Feature Service, Inc., New York, N. Y Newspaper section. 198,068; Aug. 5.
International Shoe Company, St. Louis, Mo. . Shoes. 197,484; Aug. 5.
Irvin, James R., & Co., Inc., Chicago, Ill. Game board. 191,830; Aug. 5.
Jackson, Henry, doing business as H. Jackson & Company, Belfast, Ireland. Cloths, napkins, towels, and sheets. 183,154; Aug. 5.
Jackson, Mary A., doing business as Ideal Foot Powder Co., Pomona, Calif. Foot powder. 180,222; Aug. 5.
Jamestown Brewing Co., Jamestown, N. Y. Distilled water and beverages sold as soft drinks. 180,604; Aug. 5.
Jelex Manufacturing Co. Inc., New York, N. Y. Prophylactic antiseptic for women. 198,526; Aug. 5.
Johns, William T., doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Insecticide and deodorant. 192,842; Aug. 5.
Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Ladies' and misses' shoes. 190,788; Aug. 5.
Jones, R. H., and Sons, Birmingham, England. Jewelry. 180,011; Aug. 5.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoon. 198,070; Aug. 5.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 198,071–2; Aug. 5.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoon. 198,141; Aug. 5.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 198,142; Aug. 5.
Kirkpatrick Lumber & Timber Corp., Birmingham, Ala. Lumber and wooden shingles and flooring. 196,525; Aug. 5.
Kopper Kraft Shops, Inc., The, Buffalo, N. Y. Stationery sets. 194,403; Aug. 5.
Kornoff Chemical Co., Chicago, Ill. Preparation for removing corns, calli, warts, etc. 196,250; Aug. 5.
La Crosse Motors Equipment Co., La Crosse, Wis. Piston rings. 180,539; Aug. 5.
Lafayette Pharmacal Co., The, La Fayette, Ind. Enteric or salol-coated gelatin or other capsules for administration in the bowel. 197,544; Aug. 5.
Larsen, Louis J., New York, N. Y. Sails and wire rigging. 195,009; Aug. 5.
La Société Anonyme "Parapluie-Revel," Lyon, France. Umbrellas and parasols. 193,525; Aug. 5.
Lavick, S. B., Co., Chicago, Ill. Gold-plated collar button. 195,697–8; Aug. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lee-Greefkens Co. Inc., San Francisco, Calif. Ice-cream powder, pie filling, etc. 141,984; Aug. 5.
Lee Trailer & Body Company, Chicago, Ill. Motor-truck bodies. 193,054; Aug. 5.
Levin, Nathan, Pittsburgh, Pa. Corsets, girdles, aprons, belts, and ladies' bloomers. 193,716; Aug. 5.
Levow, David, New York, N. Y. Skylight gearing. 197,762; Aug. 5.
Lieberman Specialty Company, Philadelphia, Pa. Men's and boys' breeches. 197,089; Aug. 5.
Lininger, Clarence, doing business as Lininger Radio Co., East Cleveland, Ohio. Complete radio receiving sets and parts thereof. 195,583; Aug. 5.
Louisville Grocery Company, Louisville, Ky. Canned fruits and vegetables. 194,930; Aug. 5.
Lowden, Joseph H., Elyria, Ohio. Apparatus for automobile service stations. 188,915; Aug. 5.
Madison Woolen Co., Madison, Me. Woolen piece goods. 198,577; Aug. 5.
Maufield & Sons, Limited, Northampton, England. Overshoes. 194,559; Aug. 5.
Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Radio dials, keys, and receivers, telegraph keys, etc. 193,842; Aug. 5.
Manz Engraving Company, Chicago, Ill. Printed literature. 192,139; Aug. 5.
Martinage, Leon, Paris, France. Textile machines. 194,808; Aug. 5.
Maury-Cole Company, Memphis, Tenn. Coffee. 198,057; Aug. 5.
Maxcy, G., doing business as The Ridge Fruit Company, Frostproof, Fla. Fresh citrous fruits. 192,408; Aug. 5.
McCorkle, D. B., Mfg. Co., Oakland, Calif. Floor furnaces. 196,312; Aug. 5.
Middlesex Lace and Embroidery Works. (See Sennhauser, Walter.)
Midwest Air Filters Inc., New York, N. Y. Air filters. 194,014; Aug. 5.
Miller, Theodore, New York, N. Y. Coffeepots. 194,809; Aug. 5.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, and mixture piece goods. 198,416–17; Aug. 5.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 168,425; Aug. 5.
Muckerjee, John., doing business as Thymo Borine Laboratory, Milwaukee, Wis. Medicinal preparation. 198,377; Aug. 5.
Murdock Mfg. & Supply Company, The, Cincinnati, Ohio. Hydrants, street washers, drinking fountains, etc. 188,767; Aug. 5.
Murphy-McEuen Company, Chicago, Ill. Felt asphalt. 163,684; Aug. 5.
Murray Products Company, The, Detroit, Mich. Physicians' and surgeons' tables, chairs, and cabinets. 197,210; Aug. 5.
Nakamura, Enichiro, Haibara-gun, Shidzuoka-ken, Japan. Soys sauce. 181,450; Aug. 5.
National Ring Traveler Co., Providence, R. I. Ring spinning and twisting travelers. 194,117–18; Aug. 5.
Nesselroth & Co., Inc., New York, N. Y. Clasps for necklaces. 179,217; Aug. 5.
Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa. Banjo and drumhead cleaner. 196,254; Aug. 5.
North Packing & Provision Company, Somerville, Mass. Sausages. 191,564; Aug. 5.
Oehmig-Weidlich, C., H., Zeitz, Germany. Hair oils and pomades, face paints and powders, etc. 191,971; Aug. 5.
Olney & Floyd, Westernville, N. Y. Canned fruits and vegetables. 197,215; Aug. 5.
Pacific Coast Biscuit Company, Seattle, Wash. Candy. 192,996; Aug. 5.
Paine, Nathan, Oshkosh, Wis. Ironing-board cabinets. 191,967; Aug. 5.
Parmenter, Sherman L., New York, N. Y. Transfer sets. 164,453; Aug. 5.
Pender, Lorenzo D., doing business as Pender Manufacturing Company, Tarboro, N. C. Fertilizer distributors. 198,756; Aug. 5.
Pennsylvania Glass Sand Company, Lewistown, Pa. Silica. 195,417; Aug. 5.
Peoples Drug Stores, Inc., Washington, D. C. Candies, sandwiches, pies, etc. 189,012; Aug. 5.
Phyllis Silk Mills, Chicago, Ill. Princess slips, petticoats, bloomers, etc. 198,325; Aug. 5.
Pitcher, Hugh B., Brooklyn, N. Y. Shower baths. 198,757; Aug. 5.
Plunkery, Jos. M., Co., Oak Park, Ill. Medicine for ailments of the stomach and bowel system. 197,902; Aug. 5.
Ponsell Floor Machine Company, New York, N. Y. Floor scrubbing, polishing, scraping, and grinding machines. 198,419; Aug. 5.
Premier Syndicate, Inc., New York, N. Y. Newspaper section. 198,086; Aug. 5.
Procter and Gamble Company, The, Cincinnati, Ohio. Soap. 197,769; Aug. 5.
Public Ledger Company, Philadelphia, Pa. Title for cartoons in newspaper publications. 198,379; Aug. 5.
Purity Chemical Co. (See Hitchcock, Daniel N.)
Quality Tools Corporation, New Wilmington, Pa. Tools. 192,642; Aug. 5.
Rex Blow Torch Co. (See Bagley, H. J.)
Ridge Fruit Company, The. (See Maxcy, G.)
Robinovitz, Norman, doing business as Worcester Labeling Machine Works, Worcester, Mass. Labeling machines. 198,723; Aug. 5.
Rojo Fabian & Co., New York, N. Y. Cotton and woolen piece goods. 196,972; Aug. 5.
Roller Fanciers Corporation, The, Louisville, Ky. Canary-bird leg bands. 194,667; Aug. 5.
Rome, Wire Company, Rome, N. Y. Insulated electrical wire and cable. 197,452; Aug. 5.
Rothstein, Aaron J., New York, N. Y. Artificial-silk and real-silk yarn. 193,357; Aug. 5.
Ruben, Henry, doing business as To-Rain-On Products Co. (Not Inc.), Chicago, Ill. Roof cement. 187,350; Aug. 5.
Safety Car Heating & Lighting Company, The, New York, N. Y. Metallic reflectors. 181,090; Aug. 5.
Saldinger, Lucile, doing business as Hijeen Company, New York, N. Y. Catamenial bandages. 197,116; Aug. 5.
Saussier, Inc., doing business as Chez Rellew Laboratories, Bethlehem, Pa. Perfumes powders, rouges, etc. 197,775–6; Aug. 5.
Schmidt, George A., & Co., Chicago, Ill. Shampoo powders. 198,384; Aug. 5.
Schmitt, George P., doing business as Schmitt Heating Co., Oakland, Calif. Gas heaters, radiators, and floor heaters, and gas and coal furnaces. 193,963; Aug. 5.
Schreiber, Brantman & Wyner, Inc., New York, N. Y. Knitted goods. 197,781; Aug. 5.
Scientific Apparatus Corporation, The, Milton, Pa. Microscopes and fluid lenses. 197,398; Aug. 5.
Seattle Lighting Fixture Co., Seattle, Wash. Lighting fixtures. 197,688; Aug. 5.
Sennhauser, Walter, doing business as Middlesex Lace and Embroidery Works, South River, N. J. Laces and embroideries. 197,624; Aug. 5.
Silverstein, Al. M., & Bro. Inc., New York, N. Y. Wrapping, tissue, and writing paper, pencils, etc. 197,626; Aug. 5.
Sladent Inc., New York, N. Y. Tooth paste and powder and mouth wash. 198,426; Aug. 5.
Smyth-Despard Co., Utica, N. Y., Furnaces and pipeless furnaces. 193,365; Aug. 5.
Solar-Sturges Mfg. Co., Chicago, Ill. Milk cans. 195,779–80; Aug. 5.
Southern Laboratories. (See Williams, Theophilus O.)
Spartan Glove Company, The, Dayton, Ohio. Gloves. 197,566; Aug. 5.
Stehle, Carl V., New York, N. Y. Perfume, lemon face cream, and face powder. 198,592; Aug. 5.
Stevens Manufacturing Company, The, Fall River, Mass. Bedspreads. 198,332; Aug. 5.
Stewart, M. L., & Co., Inc., New York, N. Y. Hosiery. 198,265–6; Aug. 5.
Sulpho-Napthol Company, The, Boston, Mass. Deodorizer, solvent pipe cleaner, etc. 196,410; Aug. 5.
Superior Motor Parts Company, Pittsburgh, Pa. Engines, pistons, timing gears, etc. 180,778; Aug. 5.
Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Suits and coats. 198,269; Aug. 5.
Taub, Morris, doing business as Atlantic & Pacific Radio Co., New York, N. Y. Radio parts. 191,580; Aug. 5.
Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 198,755; Aug. 5.
Tenafly Weavers, Inc., The, Tenafly, N. J. Small table doilies, bureau scarfs, etc. 189,646; Aug. 5.
Ternstedt Manufacturing Company, Detroit, Mich. Vehicle body hardware. 191,925; Aug. 5.
Texas Chemical & Specialty Co. (See Johns, William T.)
Thomsen-Ellis Company, Baltimore, Md. Reproductions of pictures, photographs, drawings, etc. 198,201; Aug. 5.
Thymo Borine Laboratory. (See Muckerjee, John.)
Top Not Tee Co. (See Fuller, Clarence W.)
To-Rain-On Products Co. (Not Inc.) (See Ruben, Henry.)
Torsion Test Piston Ring Corporation, Newark, N. J. Piston rings. 179,893; Aug. 5.
Tulite Auto Bulb Company, New York, N. Y. Incandescent electric bulbs. 198,487; Aug. 5.
Tweeten, Oscar H., doing business as Tweeten Fibre Co., Not Inc., Chicago, Ill. Billiard-cue tips. 197,633; Aug. 5.
Union Labor Publishing Association, Los Angeles, Calif. Weekly periodical. 194,682; Aug 5.
United Manufacturing & Distributing Company, Chicago, Ill. Radio receiving sets. 194,891; Aug. 5.
Utah Lime & Stone Company, The, Salt Lake City, Utah. Hydrated lime, cement, etc. 179,564; Aug. 5.
Vellumoid Company, The, Boston, Mass. Sheet packing and gaskets. 192,805; Aug. 5.
Vick Medicine Company, Albany, Ga. Remedy for la grippe, coughs, and colds. 198,598; Aug. 5.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Victor Balata & Textile Belting Co., New York, N. Y., and Easton, Pa. Balata and canvas beltings. 196,087; Aug. 5.
Viking Corporation, The, Hastings, Mich. Automatic fire-sprinkler systems and parts thereof. 189,340; Aug. 5.
Vitreous Enameling Company, Cleveland, Ohio. Table tops, enameled signs, chemical pans, etc. 178,483; Aug. 5.
Warner, Inc., Chicago, Ill. Printing ink. 197,309; Aug. 5.
Weatherbest Stained Shingle Co. Inc., North Tonawanda, N. Y. Shingles. 197,852; Aug. 5.
Weeks, Joseph W., New York, N. Y. Jewelry. 195,666; Aug. 5.
Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,913; Aug. 5.
Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,915; Aug. 5.
Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,920; Aug. 5.
Whitman, Clarence, & Son, Inc., Katonak and New York, N. Y., Cotton and cotton and silk fabrics. 197,974; Aug. 5.
Williams, Ednyfed H., doing business as The Chicago Shopping News Assn., Chicago, Ill. Periodicals. 198,204; Aug. 5.
Williams, J. B., Company, The, Glastonbury, Conn. Face washes. 198,041; Aug. 5.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 198,771; Aug. 5.
Williams, Theophilus O., doing business as Southern Laboratories, Petersburg, Va. Hair pomades. 177,341; Aug. 5.
Woodhead Lumber Company, Los Angeles, Calif. Lumber, sash, doors, roofing paper, and shingles. 187,075; Aug. 5.
Worcester Labeling Machine Works. (See Robinovitz, Norman.)
Yoder, Leona K., doing business as The Gryatol Company, Chicago, Ill. Preparation for the treatment of coughs, colds, etc. 198,042; Aug. 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Clay. W. Priem. 187,531; Aug. 5; Serial No. 134,755; published May 13, 1924.
Coal. Franklin Coal Company of St. Louis. 187,572; Aug. 5; Serial No. 195,506; published May 20, 1924.
Coal. Harrisburg Colliery Company. 187,471; Aug. 5; Serial No. 193,590; published May 6, 1924.
Coal. Holmes Coal Sales Company. 187,540; Aug. 5; Serial No. 179,370; published May 13, 1924.
Coal. Myers Coal & Coke Co. 187,473; Aug. 5; Serial No. 193,059; published May 6, 1924.
Coal. Peabody Coal Company. 187,475; Aug. 5; Serial No. 192,999; published May 6, 1924.
Coal. West Kentucky Coal Company. 187,505; Aug. 5; Serial No. 193,012; published May 20, 1924.
Coal, charcoal, coke, cordwood, and slab wood. G. Maloney. 187,482; Aug. 5; Serial No. 192,136; published May 6, 1924.
Hops. Hugo V. Loewi, Inc. 187,643–4; Aug. 5.
Leather. A. O. Trostel. 187,472; Aug. 5; Serial No. 193,084; published May 6, 1924.
Leather, Sole. E. G. Shawaker Co. 187,485; Aug. 5; Serial No. 191,791; published May 6, 1924.
Leathers. George Stengel, Inc. 187,477; Aug. 5; Serial No. 192,799; published May 13, 1924.
Logs and wooden piling. Delta Lumber Company. 187,412; Aug. 5; Serial No. 184,023; published May 13, 1924.
Pulp. Jessup & Moore Paper Co. 187,569; Aug. 5; Serial No. 194,927; published May 20, 1924.
Seeds. Eastern States Farmers' Exchange. 187,373; Aug. 5; Serial No. 191,760; published May 20, 1924.
Seeds and flowering bulbs. Stumpp & Walter Co. 187,669; Aug. 5.
Seeds and peas and beans for seed purposes. Field and garden. N. V. van Waveren's Graanhandel. 187,448; Aug. 5; Serial No. 191,583; published May 6, 1924.
Seeds, Lawn-grass. J. Oliver Johnson, Inc. 187,564; Aug. 5; Serial No. 194,646; published May 20, 1924.
Skins and hides, Raw and prepared. Société Industrielle de Dépouille Mécanique des Animaux. 187,565; Aug. 5; Serial No. 194,743; published May 20, 1924.
Trees, evergreens, and small-fruit plants. Keystone State Nurseries. 187,535; Aug. 5; Serial No. 170,718; published Apr. 8, 1924.

CLASS 2.

Bags, Cotton grain. Boott Mills. 187,426; Aug. 5; Serial No. 194,251; published May 20, 1924.
Galvanized, enameled, and japan ware. Cincinnati Galvanizing Company. 187,429; Aug. 5; Serial No. 189,966; published May 20, 1924.
Vanity cases. G. S. Abelson. 187,484; Aug. 5; Serial No. 191,460; published May 20, 1924.

CLASS 3.

Bags, Hand. M. White. 187,479; Aug. 5; Serial No. 192,461; published May 20, 1924.

CLASS 4.

Abrasive pads. Heintz Laboratories, Inc. 187,424–5; Aug. 5; Serial Nos. 194,864–5; published May 27, 1924.
Automobile body cleaner, furniture cleaner, etc., Liquid. Elimo Company. 187,422; Aug. 5; Serial No. 195,268; published June 3, 1924.
Automobile top dressing. Try-Me Co. 187,423; Aug. 5; Serial No. 195,142; published May 27, 1924.
Cleaning, dressing, and polishing pastes, etc., for leather and cloth goods. A. V. Shotwell & Co. 187,532; Aug. 5; Serial No. 158,017; published May 27, 1924.
Cream and soap, Shaving. A. Overton. 187,476; Aug. 5; Serial No. 192,854; published May 27, 1924.
Paste, Composition. Utah Flax Products Company. 187,429; Aug. 5; Serial No. 194,231; published May 27, 1924.
Polishing and buffing cloths. Booth-Waterbury Manufacturing Company. 187,474; Aug. 5; Serial No. 193,024; published May 27, 1924.
Powder, Cleansing. J. T. Holcomb Mfg. Co. 187,435; Aug. 5; Serial No. 184,780; published June 3, 1924.
Soap. Luckel King & Cake Soap Company. 187,428; Aug. 5; Serial No. 193,935; published May 27, 1924.
Soap. Park & Tilford. 187,489; Aug. 5; Serial No. 191,567; published May 27, 1924.
Soap flakes, soap and washing powders. J. H. Berry. 187,434; Aug. 5; Serial No. 186,687; published May 20, 1924.
Soap, Liquid. National Renovating & Supply Co. 187,662; Aug. 5.
Soaps, Toilet. Coty, Inc. 187,543; Aug. 5; Serial No. 180,098; published May 20, 1924.
Soaps, Toilet. Coty, Inc. 187,544–5; Aug. 5; Serial Nos. 180,108–9; published May 20, 1924.

CLASS 6.

Acid compound, Battery. United Chemical Co. 187,381; Aug. 5; Serial No. 192,452; published May 13, 1924.
Alcohol, Industrial. Interstate Industrial Alcohol Co. 187,641; Aug. 5.
Alcohol preparation. Cragin Products Co. 187,466; Aug. 5; Serial No. 186,108; published May 20, 1924.
Ammonia. Austin Manufacturing Co. 187,420; Aug. 5; Serial No. 172,253; published May 13, 1924.
Anaesthetics. H. A. Metz Laboratories, Inc. 187,620; Aug. 5; Serial No. 172,169; published June 3, 1924.
Arterial wash. W. Miller. 187,668; Aug. 5.
Baking powder. Grennan Cake Corporation. 187,386; Aug. 5; Serial No. 192,766; published Aug. 29, 1924.
Bluing. Dunn-Locke Manufacturing Co. 187,556; Aug. 5; Serial No. 194,167; published May 13, 1924.
Boiler compound. J.-F. Janssen. 187,403; Aug. 5; Serial No. 190,343; published May 13, 1924.
Cathartic pills, tonic medicinal preparations, etc. Sydney Ross Co. 187,629; Aug. 5; Serial No. 193,254; published May 20, 1924.
Cathartic preparations. D. Feldman. 187,496; Aug. 5; Serial No. 193,163; published Apr. 29, 1924.
Chemical compound. Etablissements Poulenc Frères (Société Anonyme). 187,419; Aug. 5; Serial No. 173,752; published May 13, 1924.
Chemical preparation. Boyce & Veeder Company. 187,511; Aug. 5; Serial No. 194,044; published May 6, 1924.
Cream and powder, Combined face. Villecta Company. 187,626; Aug. 5; Serial No. 193,370; published May 6, 1924.
Cream, Nose. Vauv Company. 187,514; Aug. 5; Serial No. 193,973; published May 6, 1924.
Creams, Facial. Paristyle Novelty Co. 187,397; Aug. 5; Serial No. 193,065; published May 20, 1924.
Dentifrices. S. J. Oberwager. 187,624; Aug. 5; Serial No. 193,949; published May 20, 1924.
Dentifrices, talcum powder, saccharine tablets, etc. Sydney Ross Co. 187,391; Aug. 5; Serial No. 193,252; published May 20, 1924.
Dentifrices, talcum powder, saccharine tablets, etc. Sydney Ross Co. 187,630; Aug. 5; Serial No. 193,253; published May 20, 1924.
Depilatories. G. S. Bates. 187,618; Aug. 5; Serial No. 175,716; published June 3, 1924.

Dye combined with soap, water-softener compound borax, etc. Larkin Co. 187,402; Aug. 5; Serial 190,597; published May 13, 1924.
Dyes combined with soap. Sunbeam Chemical Company. 187,645; Aug. 5.
Dyestuffs. Durand & Huguenin, A. G. 187,502–4; Aug. 5; Serial Nos. 193,030–2; published April 29, 1924.
Dyestuffs, food colors, etc. National aniline & Chemical Company. 187,553; Aug. 5; Serial No. 194,116; published May 6, 1924.
Embalming fluid. W. Miller. 187,667; Aug. 5.
Face pack. E. H. Gingras. 187,469; Aug. 5; Serial No. 189,400; published May 20, 1924.
Fuel, Solid smokeless. Heetol Company. 187,501; Aug. 5; Serial No. 193,042; published May 13, 1924.
Germicide, Liquid. Carsinol Research Laboratories, Inc. 187,385; Aug. 5; Serial No. 192,756; published May 13, 1924.
Gum, Laxative chewing. Battle Creek Health Laboratory. 187,625; Aug. 5; Serial 193,498; published May 20, 1924.
Hair and scalp tonic. Mariella Parfumes, Inc. 187,614; Aug. 5; Serial No. 194,727; published June 3, 1924.
Hair, Chemical preparation for removing. S. L. Mapu. 187,512; Aug. 5; Serial No. 194,012; published May 6, 1924.
Hair grower, hair-straightening preparation, temple grower, etc. C. Johnson. 187,409; Aug. 5; Serial No. 186,323; published May 13, 1924.
Hair grower or tonic. M. Abraham. 187,456; Aug. 5; Serial No. 175,452; published May 20, 1924.
Hair grower, pressing oil, face cream, etc. G. Brooks. 187,516; Aug. 5; Serial No. 193,894; published May 6, 1924.
Hair tonics. A. Bartley. 187,393; Aug. 5; Serial No. 193,208; published May 20, 1924.
Hair tonics. J. Doyle. 187,526; Aug. 5; Serial No. 193,387; published Apr. 29, 1924.
Hair tonics, French blue, brilliantine, shampoo, etc. Weaver-Jackson Company. 187,394; Aug. 5; Serial No. 193,199; published May 20, 1924.
Insecticide. F. A. Frazier Company. 187,615–6; Aug. 5; Serial Nos. 194,701–2; published June 3, 1924.
Insecticides, roach powders, fly killers, etc. J. D. Broza. 187,524; Aug. 5; Serial No. 193,443; published Apr. 29, 1924.
Laxatives. Haydun Company. 187,493; Aug. 5; Serial No. 193,283; published April 29, 1924.
Laxatives and stomach medicines, Herb. D. Gherardi; 187,642; Aug. 5.
Liniment for use in treatment of rheumatism. Stallard & Son. 187,611; Aug. 5; Serial No. 195,719; published June 3, 1924.
Lotion, Medicinal. F. W. Delap. 187,523; Aug. 5; Serial No. 193,449; published May 6, 1924.
Medicinal compound. R. H. Pons. 187,639; Aug. 5.
Medicinal preparation. J. B. Fowler. 187,612; Aug. 5; Serial No. 194,915; published June 3, 1924.
Medicinal preparation to relieve pain. Heidbrink Company. 187,621; Aug. 5; Serial No. 130,035; published Oct. 26, 1920.
Medicinal tonic and regulator. J. V. Krug. 187,367; Aug. 5; Serial No. 193,340; published May 20, 1924.
Medicines. W. A. Clark. 187,378; Aug. 5; Serial No. 192,365; published Apr. 29, 1924.
Metal-hardening substances. Stassfurter Chemische Fabrik vormals Vorster & Grüneberg Actien-Gesellschaft. 187,633; Aug. 5; Serial No. 190,135; published May 13, 1924.
Motor-fuel component. General Motors Chemical Company. 187,410; Aug. 5; Serial No. 186,125; published May 13, 1924.
Mouth wash and gargle. Johnson Chemical Company. 187,500; Aug. 5; Serial No. 193,045; published Apr. 20, 1924
Oil hair grower, face powder, etc., Shampoo. C. Watts. 187,388; Aug. 5; Serial No. 194,036; published June 3, 1924.
Oils and fats, and cocoa butter, Oxidized edible. J. Todd. 187,467; Aug. 5; Serial No. 187,903; published May 20, 1924.
Ointment for eczema, etc. J. Doyle. 187,401; Aug. 5; Serial No. 192,762; published May 20, 1924.
Pastelike preparation for shaving and skin-healing purposes. Barbasol Company. 187,443; Aug. 5; Serial No. 192,355; published May 20, 1924.
Pastes and powders and perfumery. Parfumerie Roger & Gallet. 187,411; Aug. 5; Serial No. 185,143; published Jan. 22, 1924.
Pastils, Throat. O. E. Woodruff. 187,438; Aug. 5; Serial No. 192,553; published May 20, 1924.
Perfume, face powder, rouge, etc. L. T. Piver, Inc. 187,445; Aug. 5; Serial No. 192,035; published May 20, 1924.
Perfumes, face creams, powders, and rouge. A. Feldman. 187,648; Aug. 5.
Perfumes, toilet creams, lotions, and powders. J. B. Talabot. 187,552; Aug. 5; Serial No. 194,082; published May 6, 1924.
Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 187,458; Aug. 5; Serial No. 178,143; published May 20, 1924.
Pharmaceutical preparation. Phospho-Albumen Company. 187,613; Aug. 5; Serial No. 194,734; published June 3, 1924.
Pharmaceutical preparations. A. M. Cros. 187,413; Aug. 5; Serial No. 178,028; published May 13, 1924.
Poisons, Rodent. Hudelson and Damrell. 187,379; Aug. 5; Serial No. 192,387; published May 13, 1924.
Polish, Finger-nail. Armand Company. 187,382; Aug. 5; Serial No. 192,470; published May 13, 1924.
Powder, Talcum. Sydney Ross Co. 187,494; Aug. 5; Serial No. 193,250; published Apr. 23, 1924.
Powder, Vegetable. F. F. B. Chapman. 187,383; Aug. 5; Serial No. 192,518; published Apr. 29, 1924.
Preparation for killing weeds. Stauffer Chemical Company. 187,377; Aug. 5; Serial No. 192,199; published Apr. 29, 1924.
Preparation for piles and fistula. N. J. Remackel. 187,380; Aug. 5; Serial No. 192,428; published May 13, 1924.
Preparation for stomach and intestinal conditions. D. Wróblewski. 187,499; Aug. 5; Serial No. 193,086; published May 13, 1924.
Preparation for the treatment of diabetes, gout, etc. T. D'Ortona. 187,627; Aug. 5; Serial No. 193,327; published May 20, 1924.
Preparation for treatment of cancer, tumors, etc. A. J. Powell. 187,387; Aug. 5; Serial No. 192,790; published Apr. 29, 1924.
Preparation for treatment of coughs, colds, etc. Coldex Chemical Company. 187,628; Aug. 5; Serial No. 193,324; published May 20, 1924.
Preparation for treatment of kidneys, etc. Southern Laboratories, Inc. 187,555; Aug. 5; Serial No. 194,135; published May 6, 1924.
Preparations for the treatment of the liver or bowels. Sydney Ross Co. 187,631; Aug. 5; Serial No. 193,249; published May 20, 1924.
Remedy for syphilis, sleeping sickness, etc. H. A. Metz Laboratories, Inc. 187,452; Aug. 5; Serial No. 170,396; published June 3, 1924.
Remedy for syphilis, sleeping sickness, etc. H. A. Metz Laboratories, Inc. 187,454–5; Aug. 5; Serial No. 172,167–8; published June 3, 1924.
Remedy for treating skin diseases and skin infections. Johnson & McGrath Laboratory. 187,460; Aug. 5; Serial No. 180,010; published Dec. 18, 1923.
Repellent for mosquitos, bedbugs, and roaches. C. Foster. 187,439; Aug. 5; Serial No. 192,524; published May 20, 1924.
Rouge. A. Bourjois & Co. 187,527; Aug. 5; Serial No. 193,383; published May 6, 1924.
Rouge, rouge lip stick, toilet water, etc. Parisian Beauty Company. 187,442; Aug. 5; Serial No. 192,376; published May 20, 1924.
Salt. Ohio Salt Company. 187,453; Aug. 5; Serial No. 171,863; published Feb. 20, 1923.
Salve. Morvay Specialty Co. 187,462; Aug. 5; Serial No. 183,304; published May 20, 1924.
Salve for burns. A. V. Mansin. 187,529; Aug. 5; Serial No. 193,298; published Apr. 29, 1924.
Salves and ointments. B. C. Wolper. 187,655; Aug. 5.
Saponaceous compounds. R. H. Miller Co. 187,384; Aug. 5; Serial No. 192,575; published May 13, 1924.
Skin and complexion cream. G. E. Bacorn. 187,464; Aug. 5; Serial No. 184,782; published May 20, 1924.
Soda compound, Cleaning. Swift and Company. 187,369; Aug. 5; Serial No. 191,196; published May 13, 1924.
Solvent. Standard Oil Company (New Jersey). 187,525; Aug. 5; Serial No. 193,424; published May 6, 1924.
Solvent for cleaning drain pipes, etc. Western Boiler Compound & Chemical Co. 187,622; Aug. 5; Serial No. 193,974; published May 20, 1924.
Starch and salt, Gloss. Eavey Company. 187,398; Aug. 5; Serial No. 193,033; published May 20, 1924.
Tablets, menthol cream, salve, and ointment. Kemp & Lane, Inc. 187,451; Aug. 5; Serial No. 169,061; published May 20, 1924.
Talcum, face powder, bath salts, sachet, etc. Richard Hudnut. 187,492; Aug. 5; Serial No. 193,286; published Apr. 29, 1924.
Tempering composition. M. F. Delaney. 187,528; Aug. 5; Serial No. 193,325; published May 6, 1924.
Tonic and worm expeller, Poultry. J. E. Keyes. 187,515; Aug. 5; Serial No. 193,928; published Apr. 29, 1924.
Tonic, General. C. Segalas. 187,610; Aug. 5; Serial No. 190,133; published May 20, 1924.
Wound dressing. P. Beiersdorf & Co. 187,623; Aug. 5; Serial No. 187,623; published May 20, 1924.

CLASS 12.

Asphalt composition. Gardiner and Lewis, Inc. 187,490; Aug. 5; Serial No. 191,311; published May 6, 1924.
Brick, Fire. Kier Fire Brick Co. 187,551; Aug. 5; Serial No. 194,073; published May 20, 1924.
Cement, Portland. Klagshamns Cementverks Aktiebolag. 187,632; Aug. 5; Serial No. 192,328; published May 20, 1924.
Chutes and windows. Edwin A. Jackson & Bro. Inc. 187,664; Aug. 5.
Concrete. Quigley Furnace Specialties Company. 187,430; Aug. 5; Serial No. 189,733; published May 6, 1924.
Doors. Wheeler, Osgood Company. 187,513; Aug. 5; Serial No. 193,975; published May 13, 1924.

Doors and moldings. Tacoma Planing Mills, Inc. 187,660; Aug. 5.
Expansion joint. Standard Asphalt & Refining Company. 187,557; Aug. 5; Serial No. 194,221; published May 20, 1924.
Fireproof doors. Richmond Fireproof Door Company. 187,372; Aug. 5; Serial No. 191,507; published May 13, 1924.
Flooring, Hardwood. Pearson Hardwood Flooring Co. 187,487; Aug. 5; Serial No. 191,733; published May 6, 1924.
Flooring, Oak. Arkansas Oak Flooring Co. 187,375; Aug. 5; Serial No. 191,807; published May 20, 1924.
Lumber, veneer, shingles, and laths, Unfinished. Hoffman Lumber Company. 187,478; Aug. 5; Serial No. 192,616; published May 6, 1924.
Metal sheets for roofs, gutters, etc. H. H. Robertson Company. 187,674; Aug. 5.
Paper in rolls and shingles, Prepared roofing. Capital Paper Company. 187,368; Aug. 5; Serial No. 190,674; published May 20, 1924.
Roofing felt and cement, shingles, etc. Barber Asphalt Paving Company. 187,534; Aug. 5; Serial No. 166,762; published May 6, 1924.
Troughs, roof gutters, valleys, ridge rolls, etc., Eaves. F. O. Schoedinger. 187,537; Aug. 5; Serial No. 172,181; published May 6, 1924.
Wall board. Paraffine Companies, Inc. 187,519; Aug. 5; Serial No. 193,849; published May 13, 1924.
Wall covering, Plastic. United States Gypsum Company. 187,560; Aug. 5; Serial No. 194,380; published May 20, 1924.

CLASS 16.

Cleaning and preserving brushes, Composition for. Britton T. and S. P. Day Company. 187,432; Aug. 5; Serial No. 188,661; published Apr. 22, 1924.
Lacquers, thinners, and enamels. Egyptian Lacquer Manufacturing Company. 187,538; Aug. 5; Serial No. 179,187; published Oct. 23, 1923.
Liquid composition to be mixed with paint. Paintol Chemical Co., Limited. 187,539; Aug. 5; Serial No. 179,320; published May 20, 1924.
Liquid, Graining. B. E. Baxter. 187,604; Aug. 5; Serial No. 176,395; published May 15, 1923.
Paint. M. J. Merkin Paint Co. 187,547; Aug. 5; Serial No. 190,118; published May 13, 1924.
Paint. Midwest Varnish Company. 187,436; Aug. 5; Serial No. 184,036; published May 20, 1924.
Paint and varnish remover. Paint Products Co. 187,542; Aug. 5; Serial No. 179,952; published Aug. 28, 1923.
Paint, Flat white. Paramount Paint & Varnish Co. 187,486; Aug. 5; Serial No. 191,907; published May 20, 1924.
Paint for the bottom of wooden vessels, Copper. Red Hand Compositions Company. 187,549; Aug. 5; Serial No. 191,137; published May 20, 1924.
Paints. O. J. Gude Co. 187,481; Aug. 5; Serial No. 192,251; published May 20, 1924.
Paints and varnishes. Remien & Kuhnert Co. 187,550; Aug. 5; Serial No. 191,138; published Apr. 22, 1924.
Paints, paint enamels, varnishes, shellacs. Independent Wall Paper Company. 187,617; Aug. 5; Serial No. 192,075; published Apr. 22, 1924.
Paints, varnish, and oil stains, etc. Anson R. Thompson Company. 187,536; Aug. 5; Serial No. 170,840; published May 13, 1924.
Paints, varnishes, etc. Columbia Varnish Company. 187,437; Aug. 5; Serial No. 183,252; published Apr. 22, 1924.
Polish for furniture, automobiles, etc. W. A. Love. 187,541; Aug. 5; Serial No. 179,944; published May 20, 1924.
Turpentine substitutes. Sun Oil Company. 187,546; Aug. 5; Serial No. 182,727; published Apr. 29, 1924.
Varnish, paint enamel, cement coating, etc., Floor. J. C. Licht Company. 187,433; Aug. 5; Serial No. 187,321; published May 20, 1924.
Varnishes and prepared shellac. C. Drabek. 187,548; Aug. 5; Serial No. 190,237; published May 13, 1924.
Waterproofing preparation. L. S. Massimo. 187,408; Aug. 5; Serial No. 186,561; published Apr. 22, 1924.
Wax, Dance-floor. C. Moore. 187,483; Aug. 5; Serial No. 192,083; published May 13, 1924.
Wax dressing, Liquid-. National Oil & Supply Co. 187,533; Aug. 5; Serial No. 161,271; published Feb. 27, 1923.

CLASS 19.

Automobile springs. American Autoparts Company. 187,421; Aug. 5; Serial No. 169,797; published May 6, 1924.
Lamp carriers, Automobile. J. T. Fagan. 187,521; Aug. 5; Serial No. 193,512; published May 6, 1924.
Truck bodies and railroad cars, Refrigerator. Dry-Zero Insulation Company. 187,376; Aug. 5; Serial No. 191,815; published May 13, 1924.
Trucks, Commercial electric. Commercial Truck Company. 187,650–1; Aug. 5.
Trucks, Electric. Walter Motor Truck Company. 187,649; Aug. 5.
Trucks, Motor. International Motor Company. 187,497; Aug. 5; Serial No. 193,113; published May 6, 1924.
Vehicle fenders, Guards for. Fendagard Corporation. 187,405; Aug. 5; Serial No. 188,958; published May 6, 1924.
Vehicles, axles, axle housings, wheels, etc., Frames for motor. White Motor Company. 187,416; Aug. 5; Serial No. 175,899; published May 13, 1924.
Vehicles, Spring suspensions for motor and other. Traylor Engineering & Manufacturing Co. 187,371; Aug. 5; Serial No. 191,455; published May 6, 1924.

CLASS 21.

Audiofrequency transformers, radiofrequency transformers, etc. Rauland Manufacturing Company. 187,463; Aug. 5; Serial No. 184,263; published May 6, 1924.
Batteries, R. Gelardin. 187,461; Aug. 5; Serial No. 181,273; published Apr. 15, 1924.
Batteries and flash-light-battery cases, Dry-cell. Vesurius Battery Company. 187,448–9; Aug. 5; Serial Nos. 191,206–7; published May 6, 1924.
Batteries, Storage. Weinstock-Nichols Company. 187,440; Aug. 5; Serial No. 192,460; published Apr. 22, 1924.
Coil contacts and springs. Nicheff Corporation. 187,389; Aug. 5; Serial No. 193,535; published Apr. 29, 1924.
Conduits and fittings, Insulating brackets, etc., Electrical. National Metal Molding Company. 187,459; Aug. 5; Serial No. 179,816; published May 6, 1924.
Drills, grinders, and screw drivers, Electric portable. Jas. Clark, Jr., Electric Company. 187,396; Aug. 5; Serial No. 193,152; published Apr. 29, 1924.
Electric heat devices. Russell Electric Company. 187,465; Aug. 5; Serial No. 185,191; published May 6, 1924.
Electric welding machines. J. P. Kryza. 187,619; Aug. 5; Serial No. 173,837; published May 6, 1924.
Electrical apparatus. Crown Radio Mfg. Corp. 187,450; Aug. 5; Serial No. 190,373; published May 6, 1924.
Insulation materials, Electrical. Irvington Varnish & Insulator Co. 187,446; Aug. 5; Serial No. 191,884; published May 6, 1924.
Lamps, Electric incandescent. General Electric Company. 187,457; Aug. 5; Serial No. 175,603; published May 6, 1924.
Lamps, Vehicle. Protectolite Co. 187,470; Aug. 5; Serial No. 189,949; published May 6, 1924.
Motors, Electrical. Warren Clock Company. 187,400; Aug. 5; Serial No. 192,808; published Apr. 29, 1924.
Radiofrequency transformers. Dubilier Condenser & Radio Corporation. 187,399; Aug. 5; Serial No. 192,903; published Apr. 29, 1924.
Radio loud speakers. Racon Electrical Co. 187,441; Aug. 5; Serial No. 192,420; published May 6, 1924.
Radio receiving and radio amplifying instruments. Radio Sales Studio Inc. 187,392; Aug. 5; Serial No. 193,248; published May 6, 1924.
Radio receiving sets. B & C Radio Company. 187,447; Aug. 5; Serial No. 191,423; published May 6, 1924.
Railway signals, Electrical. Nachod Signal Company. 187,390; Aug. 5; Serial No. 193,531; published Apr. 29, 1924.
Resistance units and boxes and frames containing resistance units. States Company. 187,444; Aug. 5; Serial No. 192,156; published May 6, 1924.
Stoves and radiators, Electric. H. H. Berry. 187,468; Aug. 5; Serial No. 187,374; published May 6, 1924.
Wire connecters. Jiffy Wire Connector Co. 187,395; Aug. 5; Serial No. 193,177; published Apr. 29, 1924.

CLASS 22.

Tennis rackets. G. Agutter. 187,646; Aug. 5.
Toy animals, wagons, and carts. Toy Kraft Company. 187,637; Aug. 5.

CLASS 32.

Desks, School. Progressive Seating Co. 187,518; Aug. 5; Serial No. 193,856; published May 20, 1924.
Display stand, Counter. Interstate Co. 187,563; Aug. 5; Serial No. 194,644; published June 3, 1924.
Furniture. Southern California Furniture Manufacturing Co. 187,508; Aug. 5; Serial No. 192,933; published June 3, 1924.
Furniture, Bedroom. Foote-Reynolds Company. 187,374; Aug. 5; Serial No. 191,765; published June 3, 1924.
Furniture, Wooden. Berkey & Gay Furniture Company. 187,498; Aug. 5; Serial No. 193,090; published May 27, 1924.
Mattresses. Never-Stretch Mattress Company. 187,417; Aug. 5; Serial No. 175,617; published June 3, 1924.
Mattresses. Never-Stretch Mattress Company. 187,418; Aug. 5; Serial No. 175,615; published May 27, 1924.

CLASS 33.

Glass. Semon Bache & Company. 187,634; Aug. 5.

CLASS 34.

Boilers, ranges, and heaters. T. W. Dahlquist. 187,666; Aug. 5.

CLASS 37.

Bread wrappers. Potter-Wrightington, Inc. 187,608; Aug. 5; Serial No. 160,025; published Apr. 10, 1923.
Crayons. Markwell Mfg. Company. 187,636; Aug. 5.
Envelopes, Mailing. Ifeco Envelope Company. 187,480; Aug. 5; Serial No. 192,383; published May 20, 1924.
Files, Indexed desk. Kryder-Shepard Co. 187,431; Aug. 5; Serial No. 189,252; published May 20, 1924.
Paper clips. Noesting Pin Ticket Company. 187,647; Aug. 5.
Paper, Writing. Empire Paper Company. 187,640; Aug. 5.

CLASS 38.

Cards, Printed. J. I. Cook. 187,404; Aug. 5; Serial No. 190,284; published May 27, 1924.
Cartoons. King Features Syndicate, Inc. 187,530; Aug. 5; Serial No. 193,293; published June 3, 1924.
Catalogues, books, and courses. P. el Adaros. 187,406; Aug. 5; Serial No. 188,732; published May 27, 1924.
Magazine. Dell Publishing Co. 187,407; Aug. 5; Serial No. 187,407; published May 20, 1924.
Magazine. Stevenson, Perry, Stacy & Co. 187,491; Aug. 5; Serial No. 193,191; published May 27, 1924.
Newspapers. Pulitzer Publishing Company. 187,517; Aug. 5; Serial No. 193,857; published June 3, 1924.
Paper, Title of a trade. Drug & Chemical Markets, Inc. 187,559; Aug. 5; Serial No. 194,342; published June 3, 1924.
Periodical. M. L. Jackson. 187,370; Aug. 5; Serial No. 191,269; published May 27, 1924.
Periodical, Monthly. Funk & Wagnalls Company. 187,588; Aug. 5; Serial No. 194,792; published June 3, 1924.
Periodical, Monthly. M. Witmer-Schmiedendorf. 187,570; Aug. 5; Serial No. 195,131; published June 3, 1924.
Photographs. M. A. Darr. 187,510; Aug. 5; Serial No. 192,818; published May 20, 1924.
Publication, Monthly. Homestead Company. 187,506; Aug. 5; Serial No. 192,976; published May 27, 1924.
Publication, Monthly. Hugh Stephens Printing & Stationery Co. 187,520; Aug. 5; Serial No. 193,633; published May 20, 1924.
Publications sections, Title for. Women's Wear Company. 187,507; Aug. 5; Serial No. 192,947; published May 27, 1924.

CLASS 39.

Bands, Infants'. W. Boschert. 187,653; Aug. 5.
Bloomers, Ladies'. Manny-Rielly Co. 187,586; Aug. 5; Serial No. 194,651; published May 27, 1924.
Clothing, Men's. Friedman Brothers, Inc. 187,532; Aug. 5; Serial No. 194,857; published May 27, 1924.
Clothing, Men's. Rosenzweig & Harper. 187,671; Aug. 5.
Coats, trousers, bath robes, etc. Pendleton Woolen Mills. 187,665; Aug. 5.
Dresses. R. Kirshbaum & Son, Inc. 187,579; Aug. 5; Serial No. 194,928; published May 27, 1924.
Dresses. M. & B. Schultz. 187,595; Aug. 5; Serial No. 191,787; published May 27, 1924.
Dresses, Children's. Dandyline Co. 187,584; Aug. 5; Serial No. 194,694; published May 27, 1924.
Garments, Men's outer. Seward-Bailey-Lewis & Co. 187,576; Aug. 5; Serial No. 195,080; published May 27, 1924.
Garments, Outer. J. J. Preis & Co. 187,599; Aug. 5; Serial No. 190,127; published May 27, 1924.
Hosiery. Atlas Textile Co. 187,605; Aug. 5; Serial No. 174,876; published May 20, 1924.
Hosiery. Kraemer Hosiery Company. 187,590; Aug. 5; Serial No. 194,197; published May 27, 1924.
Hosiery. Richmond Hosiery Mills. 187,652; Aug. 5.
Hosiery. E. T. Slattery Co. 187,580–1; Aug. 5; Serial Nos. 194,881–2; published May 27, 1924.
Hosiery, Ladies'. Sealy Corporation. 187,603; Aug. 5; Serial No. 181,540; published May 27, 1924.
Hosiery, Ladies' chiffon. Lansdale Silk Hosiery Co. 187,577; Aug. 5; Serial No. 195,008; published May 27, 1924.
Jackets and coats, Ladies'. Feldbaum & Spiegel, Inc. 187,594; Aug. 5; Serial No. 191,824; published May 27, 1924.
Knitted goods of wool and cotton. Welborn Yarn Company. 187,598; Aug. 5; Serial No. 190,661; published May 27, 1924.
Knitted wearing apparel. B. A. Cohen. 187,597; Aug. 5; Serial No. 190,677; published May 27, 1924.
Neckties and cravats. Hughes & Bradley Company. 187,592; Aug. 5; Serial No. 192,536; published May 27, 1924.
Overall union suits. A. Rifkin & Company. 187,593; Aug. 5; Serial No. 192,497; published May 27, 1924.
Overcoats. Cohen, Goldman & Co. 187,583; Aug. 5; Serial No. 194,850; published May 27, 1924.
Shirts and boys' and children's blouses, play suits, etc., Men's and boys'. Elder Mfg. Co. 187,587; Aug. 5; Serial No. 194,597; published May 27, 1924.
Shirts, hosiery, neckties, and underwear, Men's. Macvale Company of America, Inc. 187,600; Aug. 5; Serial No. 189,632; published May 27, 1924.
Shirts, Work. Reliance Manufacturing Company. 187,575; Aug. 5; Serial No. 194,217; published May 27, 1924.
Shoes, hats, shirts, etc. M. J. Even & Sons. 187,602; Aug. 5; Serial No. 185,694; published May 27, 1924.
Suits and coats, Ladies'. Goldman Costume Company. 187,588; Aug. 5; Serial No. 194,346; published May 20, 1924.
Suits, Children's wash. Konheim & Margolis. 187,578; Aug. 5; Serial No. 195,006; published May 27, 1924.
Suits, outer dresses, coats, overcoats, hats, etc. Natalie. 187,606; Aug. 5; Serial No. 170,534; published May 27, 1924.
Suspenders, work shirts, overalls, pants, and coats. Ohio Garment Company. 187,596; Aug. 5; Serial No. 190,805; published May 27, 1924.
Underwear and hosiery. R. K. Schwartz. 187,589; Aug. 5; Serial No. 194,306; published May 20, 1924.
Underwear for women. H. T. Mendelsohn. 187,585; Aug. 5; Serial No. 194,653; published May 27, 1924.
Waists, dresses, gowns, evening gowns, suits, wraps, coats, etc. Fashion-Bilt Dress Co. 187,607; Aug. 5; Serial No. 169,055; published Feb. 6, 1923.

CLASS 40.

Art creations of feathers. S. L. Alatriste. 187,558; Aug. 5; Serial No. 194,238; published June 3, 1924.
Combs and buttonhooks, Toilet. J. C. Down & Co. 187,509; Aug. 5; Serial No. 192,901; published May 27, 1924.
Cords and tips therefor, Tipped lacing. J. P. Kelly. 187,415; Aug. 5; Serial No. 178,045; published May 27, 1924.
Embroidery foundations, Initials, designs, etc. Asmus-Bradley Co. 187,566; Aug. 5; Serial No. 194,767; published June 3, 1924.
Embroidery hoops and hooks, and needles, etc. Asmus-Bradley Co. 187,567; Aug. 5; Serial No. 194,768; published June 3, 1924.
Flowers, Artificial. F. M. Locher. 187,414; Aug. 5; Serial No. 179,735; published May 27, 1924.
Hair goods. Weaver-Jackson Company. 187,495; Aug. 5; Serial No. 193,200; published May 27, 1924.
Hair wavers. Pacific Novelty Company. 187,562; Aug. 5; Serial No. 194,567; published June 3, 1924.
Hair wavers and curlers. T. H. Rosa. 187,554; Aug. 5; Serial No. 194,126; published May 27, 1924.
Rubber combs, Hard-. American Hard Rubber Company. 187,561; Aug. 5; Serial No. 194,507; published June 3, 1924.
Snap fasteners. Carr Fastener Company. 187,574; Aug. 5; Serial No. 195,678; published June 3, 1924.
Snap fasteners. Fulford Mfg. Co. 187,571; Aug. 5; Serial No. 195,396; published June 3, 1924.
Snap fasteners. Fulford Mfg. Co. 187,573; Aug. 5; Serial No. 195,509; published June 3, 1924.

CLASS 41.

Umbrellas and parasols. D. A. Weinberg. 187,591; Aug. 5; Serial No. 193,742; published May 27, 1924.

CLASS 42.

Cotton piece goods. Turner & Walls. 187,672; Aug. 5.
Cotton, silk, etc., piece goods. Faultless Nightwear Corporation. 187,663; Aug. 5.
Silk, etc., fabrics. Corticelli Silk Company. 187,654; Aug. 5.
Silk in the piece, Woven. J. R. Simon & Co. 187,522; Aug. 5; Serial No. 193,477; published May 6, 1924.

CLASS 45.

Ginger ale. J. Friedrich. 187,656; Aug. 5.
Ginger ale and carbonated water. Southern Beverage Company. 187,657; Aug. 5.

CLASS 46.

Butter. Swift and Company. 187,635; Aug. 5.
Candies. W. J. Bunim. 187,638; Aug. 5.
Canned fruits and vegetables. Everett Fruit Products Company. 187,673; Aug. 5.
Cantaloupes. Fort Worth Chamber of Commerce. 187,609; Aug. 5; Serial No. 186,619; published Mar. 25, 1924.
Milk, Evaporated. Oatman Condensed Milk Co. 187,659; Aug. 5.
Oil, Olive. A. Merlino & Sons. 187,661; Aug. 5.
Oil, Spanish saffron, and Spanish paprika, Olive. D. Kleckner. 187,658; Aug. 5.
Oils, extracts, and essences, Food-flavoring. Pierre Lemoine et Cie. 187,601; Aug. 5; Serial No. 189,479; published May 13, 1924.

CLASS 50.

Rubberized and waterproof sheeting and crib sheets. R. Falter. 187,670; Aug. 5.

ALPHABETICAL LIST OF LABELS.

Beardley's. For Malt Extract. C. L. Beardsley. 27,671; Aug. 5.
Carlson Currier. For Spool Silk. Belding Bros. & Company. 27,672; Aug. 5.
Cedar Oil Polish. For a Polish for Woodwork and Furniture and for Recharging Oil Mops. F. P. Symonds. 27,690; Aug. 5.
Dairylea Powdered Skimmed Milk. For Powdered Skimmed Milk. Dairymen's League Co-Operative Association, Inc. 27,675; Aug. 5.
Dot. For Coffee. Janszen Grocery Company. 27,678; Aug. 5.
Dromedary Citron. For Candied Citron. Hills Brothers Company. 27,676; Aug. 5.
15 Views. For a Container for Miniature Post Cards. J. C. Bardell. 27,670; Aug. 5.
Golden Groves. For Oranges. Independent Fruit Growers, Inc. 27,677; Aug. 5.
Hexoblox. For Box for No. 1 Hexoblox—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 27,688; Aug. 5.
Hexoblox. For Box for No. 2 Hexoblox—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 27,689; Aug. 5.
Hof-Brau. For Malt Sirup. Blatz Products Company. 27,673; Aug. 5.
Home-Bake. For Bread. J. Spang Baking Company. 27,686; Aug. 5.
In-B-Tween. For Food Paste. W. R. W. Nichols Co. 27,682; Aug. 5.
Marve. For Hair Tonic. S. Patti. 27,683; Aug. 5.
Mazmeal Neutral Hand Soap. For Men and Women who Work With Their Hands. For Powdered Soap. Thoro Corporation. 27,691; Aug. 5.
McGrew's. For Weatherproof Pure Paint. W. E. McGrew. 27,679; Aug. 5.
Meehan's For Malt Extract. Meehan Grocery Company. 27,680; Aug. 5.
Mountaineer. For Fresh Apples. H. W. & L. P. Miller. 27,681; Aug. 5.
Queen Isabella. For Grape Juice. Utt Juice Company. 27,693; Aug. 5.
R A B Saline Minerals. For a Preparation for the Feet and for Bathing the Human Body. J. C. Crowe. 27,674; Aug. 5.
Sankey's U-Need-A Belt Dressing. For a Liquid Dressing Adhesive in Quality and Is Used on All Kinds of Leather and Fabric Belting. D. W. Sankey. 27,685; Aug. 5.
Semble Ur Own. For Flash Lights and Parts Thereof. Premo Electric Corporation. 27,684; Aug. 5.
Tourist. For Hairpins. Sterling Pin Co. 27,687; Aug. 5.
United Double Stripe Hosiery. For Hosiery. United Hosiery Stores Co. 27,692; Aug. 5.

ALPHABETICAL LIST OF PRINTS.

Comet Rice. For Rice. Seabord Rice Milling Co. 7,549; Aug. 5.
Console Phonograph. For a Musical Instrument. Kesselman-O'Driscoll Co. 7,546; Aug. 5.
Corns Hurt? Stop 'Em. For Corn Plasters. Foot Remedy Company. 7,542; Aug. 5.
Donchester Arrow Dress Shirts. For Shirts. Cluett, Peabody & Co. 7,535; Aug. 5.
Ecco. For Coal. Easterbrook Coal Company. 7,541; Aug. 5.
For Over Fifty Years Manufacturers of High Grade Chocolate Coatings and Liquors. For Chocolate Coatings and Liquors. Runkel Brothers, Inc. 7,548; Aug. 5.
Hitone Kut LX. For Fancy Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 7,544; Aug. 5.
It Pays To Insist On Arrows Arrow Shirts for Evening Wear. For Shirts. Cluett, Peabody & Co. 7,537; Aug. 5.
It Pays To Insist On Arrows His First Dress Shirt, Quite Naturally It Is An Arrow. For Shirts. Cluett, Peabody & Co. 7,536; Aug. 5.
It pays to insist on Arrows Piccadilly. For Shirts. Cluett, Peabody & Co. 7,534; Aug. 5.
Kebo A New Style In Arrow Collars. For Collars. Cluett, Peabody & Co. 7,533; Aug. 5.
Le Talc de Coty. For Powders. Coty, Inc. 7,539–40; Aug. 5.
Le Talc de Coty. For Talc Powder and Toilette Water. Coty, Inc. 7,538; Aug. 5.
Octagonal Cut In the Neutral Ground Nonglare Lenses. For Spectacle and Eyeglass Lenses. W. B. Georgia. 7,545; Aug. 5.
The Tie Question. For Knitted Neckties. Franklin Knitting Mills, Inc. 7,543; Aug. 5.
Van Heusen the World's Smartest Collar. For Collars. Phillips-Jones Corporation. 7,547; Aug. 5.
Whitman's Nuts Chocolate Covered. For Nuts Chocolate Covered. Stephen F. Whitman & Son, Inc. 7,552; Aug. 5.
Whitman's Pleasure Island Chocolates. For Chocolates. Stephen F. Whitman & Son, Inc. 7,551; Aug. 5.
Whitman's Salamagundi Chocolates. For Chocolates. Stephen F. Whitman & Son, Inc. 7,550; Aug. 5.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal, coke, lignite, etc. American Smelting & Refining Company. 196,422; Aug. 5.
Silica. Pennsylvania Glass Sand Company. 195,417; Aug. 5.
Silk, Raw. Gunze Seishi Kabushiki Kwaisha. 168,036; Aug. 5.

CLASS 2.

Cans, Milk. Solar-Sturges Mfg. Co. 195,779–80; Aug. 5.

CLASS 4.

Banjo and drumhead cleaner. J. W. Nicomede. 196,254; Aug. 5.
Polishing and buffing compound. E. Reed Burns Mfg. Corp. 197,359; Aug. 5.
Preparation for cleaning glassware, etc. Glasnamel Company. 197,807; Aug. 5.
Soap. Procter and Gamble Company. 197,769; Aug. 5.

CLASS 5.

Shoe paste and mucilages. Arabol Mfg. Co. 198,211; Aug. 5.
Size, Wall. Arabol Mfg. Co. 198,212; Aug. 5.
Tin-paste. Arabol Mfg. Co. 198,213; Aug. 5.

CLASS 6.

Antiseptic, Prophylactic. Jelex Manufacturing Co. 198,526; Aug. 5.
Capsules, Gelatin or other coated. Lafayette Pharmacal Co. 197,544; Aug. 5.
Dentifrices. C. Bergstrasser. 198,394; Aug. 5.
Deodorizer, solvent pipe cleaner, etc. Sulpho-Napthol Company. 196,410; Aug. 5.
Disinfectant liquids. D. N. Hitchcock. 188,678; Aug. 5.
Hairdressing. M. Candler. 198,286; Aug. 5.
Hair grower. E. Griffin. 198,002; Aug. 5.
Hair oils and pomades, face paints and powders, etc. C. H. Oehmig-Weidlich. 191,971; Aug. 5.
Hair pomades. T. O. Williams. 177,341; Aug. 5.
Insecticide and deodorant. W. T. Johns. 192,842; Aug. 5.
Laxative cold tablets, catarrhal cream, etc. E. C. De Witt & Co. 198,456; Aug. 5.
Liniment. E. D. Gast. 190,014; Aug. 5.
Medicinal preparation. J. Muckerjee. 198,377; Aug. 5.

Medicine for ailments of the stomach and bowel system. Jos. M. Plumery Co. 197,902; Aug. 5.
Oils, Natural and synthetic flower. Edward T. Beiser Company. 196,502; Aug. 5.
Papaverine nitrite and salts, etc. C. H. Boehringer Sohn. 174,061; Aug. 5.
Perfume extracts, toilet waters, face lotions, etc. M. Babani. 198,608; Aug. 5.
Perfume, lemon face cream, and face powder. C. V. Stehle. 198,592; Aug. 5.
Perfumes, powders, rouges, etc. Saussier, Inc. 197,775–6; Aug. 5.
Perfumes, toilet waters, toilet lotions, etc. J. Brach. 198,560; Aug. 5.
Phenols and formaldehyde, Condensation products of. Bakelite Corporation. 198,336; Aug. 5.
Pills. M. M. Hardenberg. 197,075; Aug. 5.
Powder, Foot. M. A. Jackson. 180,222; Aug. 5.
Preparation for corns, calli, warts, etc. Kornoff Chemical Co. 196,250; Aug. 5.
Preparation for rheumatism, lumbago, etc. M. Castagno. 196,692; Aug. 5.
Preparation for shaving and skin-healing purposes. Hamlin & Adams. 197,273–4; Aug. 5.
Preparation for the treatment of coughs, colds, etc. L. K. Yoder. 198,042; Aug. 5.
Remedy for la grippe, coughs, and colds. Vick Medicine Company. 198,598; Aug. 5.
Salt, baking powder, and baking soda. Creamette Company. 194,978; Aug. 5.
Salve. H. Gill. 186,362; Aug. 5.
Shampoo powders. George A. Schmidt & Co. 198,384; Aug. 5.
Tablet for increasing the efficiency of gasoline. Hy-Gas Laboratories, Inc. 197,666; Aug. 5.
Tablet, Reducing. Frohwein Pharmacy Inc. 195,550; Aug. 5.
Tooth paste and powder and mouth wash. Sladent Inc. 198,426; Aug. 5.
Washes, Face. J. B. Williams Company. 198,041; Aug. 5.

CLASS 9.

Matches, Safety. F. H. Fromm. 198,704; Aug. 5.

CLASS 11.

Ink, Printing. Warner, Inc. 197,309; Aug. 5.

CLASS 12.

Asphalt. Felt. Murphy-McEuen Company. 163,684; Aug. 5.
Cement, Roof. H. Ruben. 187,350; Aug. 5.
Ironing-board cabinets. N. Paine. 191,967; Aug. 5.
Lime. Cheney Lime Company. 189,099; Aug. 5.
Lime, cement, etc., Hydrated. Utah Lime & Stone Company. 179,564; Aug. 5.
Lumber and wooden shingles and flooring. Kirkpatrick Lumber & Timber Corp. 196,525; Aug. 5.
Lumber, sash, doors, roofing paper, and shingles. Woodhead Lumber Company. 187,075; Aug. 5.
Plastic material forms; Form spacers used for. Con-Form Spec. Co. 196,236; Aug. 5.
Roofing belts, asphalt roofings, insulating papers, etc. Certain-teed Products Corporation. 194,975; Aug. 5.
Shingles. Weatherbest Stained Shingle Co. 197,852; Aug. 5.

CLASS 13.

Baths, Shower. H. B. Pitcher. 198,757; Aug. 5.
Beverage cooling and dispensing outfits, Cereal-. American Tap Bush Co. 161,953; Aug. 5.
Clamp and hinged bracket, Combined. D. Berkow. 198,050; Aug. 5.
Coffeepots. T. Miller. 194,809; Aug. 5.
Hydrants, street washers, drinking fountains, etc. Murdock Mfg. & Supply Company. 188,767; Aug. 5.
Skylight gearing. D. Levow. 197,762; Aug. 5.
Table tops, enameled signs, etc. Vitreous Enameling Company. 178,483; Aug. 5.

CLASS 19.

Car windows, Street-. W. M. Hill. 193,833; Aug. 5.
Oars and paddles. Anchor Sawmills Company. 197,980; Aug. 5.
Truck bodies, Motor-. Lee Trailer & Body Company. 193,054; Aug. 5, 1924.
Vehicle body hardware. Ternstedt Manufacturing Company. 191,925; Aug. 5.

CLASS 20.

Floor-covering materials, Waterproof. Feltcraft Company. 198,852; Aug. 5.
Linoleums, felt-base floor coverings, composition floor coverings, etc. Certain-teed Products Corporation. 195,802; Aug. 5.

CLASS 21.

Cookers, Electrical. Apex Electrical Manufacturing Company. 188,514; Aug. 5.
Cookers, Electrical. Apex Electrical Manufacturing Company. 188,516; Aug. 5.
Electric bulbs, Incandescent. Tulite Auto Bulb Company. 198,487; Aug. 5.
Insulated electrical wire and cable. Rome Wire Company. 197,452; Aug. 5.
Lighting fixtures. Seattle Lighting Fixture Co. 197,688; Aug. 5.
Radio dials, keys and receivers, telegraph keys, etc. Manhattan Electrical Supply Company. 193,842; Aug. 5.
Radio jack plugs. J. Firth. 186,703; Aug. 5.
Radio parts. M. Taub. 191,580; Aug. 5.
Radio receiving sets. United Manufacturing & Distributing Company. 194,891; Aug. 5.
Radio receiving sets and parts thereof. Harris and Birdseye Inc. 195,685; Aug. 5.
Radio receiving sets and parts thereof, Complete. C. Lininger. 195,583; Aug. 5.
Scrubbing, etc., machines, Floor-. Ponsell Floor Machine Co. 198,419; Aug. 5.
Switches for automobiles, Push-button. Benjamin Electric Maufacturing Company. 198,109; Aug. 5.
Telephonic Apparatus, Loud-speaking. E. A. Graham. 193,830; Aug. 5.
Variometers, etc., for radio receiving sets. G. H. Fischer & Co. 194,532; Aug. 5.

CLASS 22.

Billiard-cue tips. O. H. Tweeten. 197,633; Aug. 5.
Doll. Fleischaker & Baum. 181,883; Aug. 5.
Game board. James R. Irvin & Co. 191,830; Aug. 5.
Golf balls. Goodyear Tire & Rubber Co. 196,804; Aug. 5.
Golf balls. Goodyear Tire & Rubber Co. 196,861; Aug. 5.
Golf tee. C. W. Fuller. 197,755; Aug. 5.
Toys, Floating. M. P. Beach. 188,465; Aug. 5.
Transfer sets. S. L. Parmenter. 164,453; Aug. 5.
Wagons adapted to be changed into sleds, Regular coaster. George Delker Company. 198,058; Aug. 5.
Wagons, Children's coaster. George Delker Company. 198,059; Aug. 5.

CLASS 23.

Automobile service stations, Apparatus for. J. H. Lowden. 188,915; Aug. 5.
Engines, pistons, timing gears, etc. Superior Motor Parts Company. 180,778; Aug. 5.
Fertilizer distributors. L. D. Pender. 198,756; Aug. 5.
Fire-sprinkler systems and parts thereof, Automatic Viking Corporation. 189,340; Aug. 5.
Knives and forks, scissors, corkscrews, etc., Table. A. Feist. 198,940; Aug. 5.
Labeling machines. N. Robinovitz. 198,723; Aug. 5.
Ring spinning and twisting travelers. National Ring Traveler Co. 194,117–18; Aug. 5.
Textile Machines. L. Martinage. 194,808; Aug. 5.
Tools. Quality Tools Corporation. 192,642; Aug. 5.

CLASS 26.

Microscopes and fluid lenses. Scientific Apparatus Corporation. 197,398; Aug. 5.
Picture films, Motion-. Approved Pictures Corporation. 197,981–2; Aug. 5.

CLASS 27.

Watches, watch movements, cases, and dials. Berna Watch Co., S. A. 187,373; Aug. 5.

CLASS 28.

Buttons, Gold-plated collar. S. B. Lavick Co. 195,697–8; Aug. 5.
Jewelry. R. H. Jones and Sons. 180,011; Aug. 5.
Jewelry. J. W. Weeks. 195,666; Aug. 5.
Necklaces, Clasps for. Nesselroth & Co. 179,217; Aug. 5.
Silver-plated hollow ware. Farber Brothers. 180,924; Aug. 5.

CLASS 29.

Brushes, Paint, and varnish. John F. Herbert & Sons, Inc. 198,572; Aug. 5.
Toothbrushes. P. B. T. Williams. 198,771; Aug. 5.

CLASS 31.

Refrigerators. Gurney Refrigerator Company. 194,103; Aug. 5.

CLASS 32.

Beds. Wheeler-Okell Company. 198,913; Aug. 5.
Beds. Wheeler-Okell Company. 198,915; Aug. 5.
Beds. Wheeler-Okell Company. 198,920; Aug. 5.
Furniture, Camp. Crawford-Austin Manufacturing Co. 198,121; Aug. 5.

CLASS 34.

Blowers and fans. Coppus Engineering Corporation. 183,735–6; Aug. 5.
Blowtorches. H. J. Bagley. 197,795; Aug. 5.
Filters, Air. Midwest Air Filters Inc. 194,014; Aug. 5.
Furnaces and pipeless furnaces. Smyth-Despard Co. 193,365; Aug. 5.
Furnaces, Floor. D. H. McCorkle Mfg. Co. 196,312; Aug. 5.

Heaters, radiators, floor heaters, and furnaces, Gas. G. P. Schmitt. 193,963; Aug. 5.
Reflectors, Metallic. Safety Car Heating & Lighting Company. 181,690; Aug. 5.
Ventilators. J. A. Call. 197,990–1; Aug. 5.

CLASS 35.

Belting and air hose. Hamilton Rubber Manufacturing Company. 193,920; Aug. 5.
Belting, Canvas. Allied Belting Company. 191,806; Aug. 5.
Belting, packing, hose, tires, tubing, fruit-jar rings. Boston Woven Hose & Rubber Company. 162,374; Aug. 5.
Beltings, Balata and canvas. Victor Balata & Textile Belting Co. 196,087; Aug. 5.
Packing and gaskets, Sheet. Vellumoid Company. 192,805; Aug. 5.
Piston rings. La Crosse Motors Equipment Co. 180,539; Aug. 5.
Piston rings. Torsion Test Piston Ring Corporation. 179,893; Aug. 5.
Tires and inner tubes therefor, Resilient vehicle. American Rubber and Tire Company. 180,261; Aug. 5.

CLASS 36.

Talking-machine records. Compo Company. 190,534; Aug. 5.

CLASS 37.

Identification slip, Passenger-. B. L. Cosner. 197,136; Aug. 5.
Paper, Toilet. Hampton Ronds Paper Company. 197,432; Aug. 5.
Pencils, Lead. Joseph Dixon Crucible Company. 194,913; Aug. 5.
Stationery sets. Kopper Kraft Shops, Inc. 194,403; Aug. 5.
Wrapping, tissue, and writing paper, pencils, etc. Al. M. Silverstein & Bro. Inc. 197,626; Aug. 5.

CLASS 38.

Booklets and periodicals. International Brotherhood of Electrical Workers. 198,357; Aug. 5.
Cartoons, Title for. Public Ledger Company. 198,379; Aug. 5.
Journal, Scientific. F. A. Cave. 198,173; Aug. 5.
Literature, Printed. Manz Engraving Company. 192,139; Aug. 5.
Magazines, Monthly. Barton Salt Company. 193,890; Aug. 5.
Newspaper cartoon. King Features Snydicate, Inc. 198,070; Aug. 5.
Newspaper cartoon. King Features Syndicate, Inc. 198,141; Aug. 5.
Newspaper section. International Feature Service, Inc. 198,068; Aug. 5.
Newspaper section. King Features Syndicate, Inc. 198,071–2; Aug. 5.
Newspaper section. King Features Snydicate, Inc. 198,142; Aug. 5.
Newspaper section. Premier Syndicate, Inc. 198,086; Aug. 5.
Periodical. Ford, Bacon & Davis, Inc. 198,230; Aug. 5.
Periodical. G. J. Hecht. 198,408; Aug. 5.
Periodical, Weekly. Union Labor Publishing Association. 194,682; Aug. 5.
Periodicals. E. H. Williams. 198,204; Aug. 5.
Pictures, photographs, drawings, etc., Reproductions of. Thomsen-Ellis Company. 198,201; Aug. 5.
Publication, Periodical. M. E. Chase. 198,113; Aug. 5.

CLASS 39.

Breeches. Lieberman Specialty Company. 197,089; Aug. 5.
Coats, Infants'. Federal Underwear Co. 171,834; Aug. 5.
Corsets and girdles. Franco Corset Co. 197,661; Aug. 5.
Corsets, girdles, aprons, belts, and ladies' bloomers. N. Levin. 193,716; Aug. 5.
Gloves. Spartan Glove Company. 197,566; Aug. 5.
Hosiery. M. I. Stewart & Co. 198,265–6; Aug. 5.
Mufflers. Guiterman Bros. Inc. 198,181; Aug. 5.
Neckties and cravats. Berkley Knitting Company. 187,845; Aug. 5.
Overcoats. Halek Brothers. 198,182; Aug. 5.
Overshoes. Manfield & Sons, Limited. 194,559; Aug. 5.
Petticoats, step-ins, etc. Higginbotham-Bailey-Logan Company. 198,458; Aug. 5.
Princess slips, petticoats, bloomers, etc. Phyllis Silk Mills. 198,325; Aug. 5.
Shoes. International Shoe Company. 197,484; Aug. 5.
Shoes. Temko-Bass Shoe Co. 194,755; Aug. 5.
Shoes, Ladies' and misses'. Johnson, Stephens and Shinkle Shoe Company. 190,788; Aug. 5.
Suits and coats. Sweet-Orr & Co. 198,269; Aug. 5.

CLASS 41.

Umbrellas and parasols. La Société Anonyme "Parapluie-Revel." 193,525; Aug. 5.

CLASS 42.

Bedspreads. Stevens Manufacturing Company. 198,332; Aug. 5.
Cloth in the piece. Printed terry. Cohn, Hall Marx Co. 195,494; Aug. 5.
Cloths, napkins, towels, and sheets. H. Jackson. 180,254; Aug. 5.
Cotton and cotton and silk fabrics. Clarence Whitman & Son, Inc. 197,974; Aug. 5.
Cotton and woolen piece goods. Rojo Fabian & Co. 196,972; Aug. 5.
Cotton, linen, etc., piece goods. Faultless Nightwear Corporation (E. Rosenfeld & Co.). 198,737; Aug. 5.
Cotton piece goods. Minot, Hooper & Co. 168,425; Aug. 5.
Doilies, table covers, bedspreads, etc. Tenafly Weavers, Inc. 189,646; Aug. 5.
Elastic webbing. Conant, Houghton & Co. 197,469; Aug. 5.
Handkerchiefs. Acheson Harden Co. 195,148; Aug. 5.
Handkerchiefs. E. Heller & Brother, Inc. 194,708–9; Aug. 5.
Knitted goods. Schreiber, Brantman & Wyner, Inc. 197,781; Aug. 5.
Laces and embroideries. W. Sennhauser. 197,624; Aug. 5.
Piece goods. Jacob Miller's Sons Co. 198,416–17; Aug. 5.
Sheeting. Farish Company. 197,197; Aug. 5.
Silk fabrics. Corticelli Silk Co. 188,893; Aug. 5.
Silk fabrics, Knitted. Banner Silk Knitting Mills, Inc. 198,554; Aug. 5.
Silk piece goods. P. Gallub. 195,277; Aug. 5.
Textile fabrics, Worsted and woolen. Holden-Leonard Company. 198,521; Aug. 5.
Woolen piece goods. Madison Woolen Co. 198,577; Aug. 5.
Worsted and woolen textile fabrics. Holden-Leonard Company. 198,709; Aug. 5.

CLASS 43.

Thread. Corticelli Silk Company. 188,892; Aug. 5.
Threads of silk, cotton, and wool. Corticelli Silk Company. 195,949; Aug. 5.
Yarn, Artificial-silk and real-silk. A. J. Rothstein. 193,357; Aug. 5.

CLASS 44.

Bottles, Nursing. Corning Glass Works. 198,506; Aug. 5.
Catamenial bandages. L. Saldinger. 197,116; Aug. 5.
Pads, Absorbent. Cellucotton Products Company. 198,454; Aug. 5.
Tables, chairs, and cabinets, Physicians' and surgeons'. Murray Products Company. 197,210; Aug. 5.

CLASS 45.

Beverages sold as soft drinks. C. G. Blandford. 197,319–20; Aug. 5.
Ginger ale, root beer, and beverages sold as soft drinks. Clover Leaf Products Co. 194,849; Aug. 5.
Water and beverages sold as soft drinks, Distilled. Jamestown Brewing Co. 180,604; Aug. 5.

CLASS 46.

Candies, sandwiches, pies, etc. Peoples Drug Stores, Inc. 189,912; Aug. 5.
Candy. Grammas Candy Company. 197,758; Aug. 5.
Candy. Hagemeister Food Products Co. 195,107; Aug. 5.
Candy. Hawley & Hoops. 197,814; Aug. 5.
Candy. Pacific Coast Biscuit Company. 192,996; Aug. 5.
Candy, Chocolate. Bishop & Company. 198,729; Aug. 5.
Canned fruits and vegetables. California Canneries Co 178,219; Aug. 5.
Canned fruits and vegetables. Louisville Grocery Company. 194,930; Aug. 5.
Canned fruits and vegetables. Olney & Floyd. 197,215; Aug. 5.
Canned peas. Big Four Canning Co. 197,355; Aug. 5.
Canned shrimp. Glynn Canning Company. 198,738; Aug. 5.
Canned vegetables. O. W. Cuyler. 198,624; Aug. 5.
Canned vegetables. Hougland Packing Co. 196,810; Aug. 5.
Canned vegetables and canned fruits. Cuyler Packing Corporation. 198,625; Aug. 5.
Cocoa. Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co. 166,828; Aug. 5.
Cocoa. Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co. 167,815; Aug. 5.
Coffee. Maury-Cole Company. 198,657; Aug. 5.
Fruits, Fresh citrous. G. Maxey. 192,408; Aug. 5.
Ice-cream powder, pie filling, etc. Lee-Greefkens Co. 141,984; Aug. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ice-cream suckers. H. B. Burt. 188,528; Aug. 5.
Marmalade, Citrous-fruit. Independent Fruit Growers, Inc. 194,926; Aug. 5.
Oil, Olive. Hijos de Ybarra. 177,185; Aug. 5.
Pears. D. J. Elliot. 197,659; Aug. 5.
Potato chips, Chocolate-covered. Cardinal Candy Company. 198,563; Aug. 5.
Sausages. North Packing & Provision Company. 191,564; Aug. 5.
Shortening compound. Central Food Products Company. 159,648; Aug. 5.
Soys sauce. E. Nakamura. 181,450; Aug. 5.
Sugar, Corn. Anheuser-Busch, Inc. 192,054; Aug. 5.
Tomato paste. J. Di Santo. 196,159; Aug. 5.
Vegetables and citrous fruits. Independent Fruit Growers, Inc. 194,925; Aug. 5.

CLASS 50.

Canary-bird leg bands. Roller Fanciers Corporation. 194,667; Aug. 5.
Sails and wire rigging. L. J. Larsen. 195,009; Aug. 5.
Wax used for modeling purposes. Prepared. Cosmic Crayon Company Limited. 192,211; Aug. 5

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Earl, Fort Thomas, Ky. Vehicle headlight construction. 1,503,621; Aug. 5.
Ackroyd, John H., Bridgeport, Conn. Device for regulating the supply of fuel for gas burners. 1,503,461; Aug. 5.
Actien Gesellschaft für Anilin Fabrikation. (See Lange, W., and Neumann, assignors)
Addressograph Company. (See Duncan, J. S., and Lee, assignors.)
Adler, Milton M., Newark, N. J. Pyrotechnical device. 1,503,740; Aug. 5.
Akashi, Kazue, Tokyo, Japan. Drawing compasses. 1,503,934; Aug. 5.
Alais, Herbert P. (See Marsh, A., and Alais.)
Albert, Carl P., assignor to Greene Mfg. Co., Racine, Wis. Trunk fixture. 1,503,462; Aug. 5.
Allen, Harry L. (See Curtiss, C. E., and Allen.)
Almen-Crosby Motors Company. (See Almen, John O., assignor.)
Almen, John O., Seattle, Wash., assignor to Almen-Crosby Motors Company, Inc. Packing plate for internal-combustion engines or the like. 1,503,741; Aug. 5.
Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. 1,503,779; Aug. 5.
American Bank Note Company. (See Smith, Amos H., assignor.)
American Button & Fastener Co. (See Elliott, William E., assignor.)
American Button & Fastener Co. (See Latham, Albert, assignor.)
American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
American Lady Corset Company. (See Colley, Harry A., assignor.)
American Lakes Paper Company. (See Kress, Otto, assignor.)
American Manganese Steel Company. (See Washburn, H. G., Johnson, and Thill, assignors.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Protein Corporation. (See Atwood, Francis C., assignor.)
American Rubber and Tire Company. (See Holloway, Le Roy P., assignor.)
American Steel Foundries. (See Bickel, Lawrence W., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Whitney, Loren L., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Stove Company. (See Moecker, Henry, jr., assignor.)
American Telephone and Telegraph Company. (See Kuhn, George W., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
Amos, Arthur J., and W. F. Villiers, Castlemaine, assignors of one-third to C. E. Cording, Bendigo, Victoria, Australia. Valve-adjustment device. 1,503,463; Aug. 5.
Amsler, Walter O., Pittsburgh, Pa. Regenerative-furnace construction. 1,503,464; Aug. 5.
Amsler, Walter O., Pittsburgh, Pa. Reversing valve for regenerative furnaces. 1,503,465; Aug. 5.
Anderson, Arvid, A., and O., Chicago, Ill. Swimming bag. 1,504,011; Aug. 5.
Anderson, Axel. (See Anderson, Arvid, A., and O.)
Anderson, Harry. (See Majors, R. J., and Anderson.)
Anderson, Oscar. (See Anderson, Arvid, A., and O.)
Angelsberg, Iona H. (See Evans, C. E., and Angelsberg.)
Argust, Wardie C. (See Mullens, C. P., and Argust.)
Arndt, Franklin E., Galion, Ohio. Shock absorber. 1,503,012; Aug. 5.
Arnstein, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Skeleton frame construction for airships and the like. Re15885; Aug. 5.
Associated Equipment Company, Limited, The. (See Edwards, Charles K., assignor.)
Atwood, Francis C., Newton, assignor to American Protein Corporation, Boston, Mass. Instrument for withdrawing blood from animals. 1,504,013; Aug. 5.
Au-to Compressor Company, The. (See Lawhead, James W., assignor.)
Automatic Electric Company. (See Erickson, John, assignor.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Axtell, Clinton J., Schenectady, N. Y., assignor to General Electric Company. System of connections for prevention of paralleling of generators on train units. 1,504,014; Aug. 5.
Baber, Gordon B., Greenville, S. C. Detachable cam or pulley. 1,504,015; Aug. 5.
Bachmann, Wilhelm, Zurich, Switzerland. Wood and like fastening. 1,503,622; Aug. 5.
Bacon, Charles J. (See Tallmar, W. J., and Bacon.)
Bacon, George M., assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah. Calculating machine. 1,503,742; Aug. 5.
Bacon Multiplier, Incorporated. (See Bacon, George M., assignor.)
Baehr, John J., New Orleans, La. Garment protector. 1,504,016; Aug. 5.
Baer, Carl J., St. Louis, Mo. Dredging system. 1,503,680; Aug. 5.
Bailey, Christopher C., Clinton, Miss. Doubletree. 1,503,780; Aug. 5.
Bailey, Percy S., Lynn, Mass., assignor to General Electric Company. Reflector. 1,504,017; Aug. 5.
Baker, Erle K., Chicago, Ill. Bicycle and motor drive therefor. 1,503,935; Aug. 5.
Baker, Myron, Bridgeport, Conn. Tiltable vehicle platform. 1,503,781; Aug. 5.
Ball, Edwin, and J. M. McHugh, Birmingham, Ala. Coal-dust eliminator. 1,503,870; Aug. 5.
Barker, Thomas A., Yatesville, Ga. Transmission housing and support therefor. 1,503,681; Aug. 5.
Barnes, John, Burkburnett, Tex. Packing box for oil wells. 1,503,782; Aug. 5.
Barrett Company, The. (See Canon, Frank A., assignor.)
Barrett Company, The. (See Mackay, Richard, jr., assignor.)
Barrett, E. R., et al. (See Saunders, John L. and J. C., assignors.)
Barrett, W. W.; et al. (See Saunders, John L. and J. C., assignors.)
Barrow, Alfred C., assignor, by mesne assignments, to Patent Pocket Corporation, Lynchburg, Va. Patch pocket. Re15,886; Aug. 5.
Bart, Blasius, Newark, N. J. Reenforcing reflectors. 1,503,743; Aug. 5.
Bartholomew, Robert J., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Attachment for looms. 1,503,871; Aug. 5.
Bast, Frank J., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Automatic controller. 1,503,971; Aug. 5.
Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Dispensing apparatus. 1,503,811; Aug. 5.
Batley, W. R., et al. (See Wilson, Thomas H., assignor.)
Bauer, John, Detroit, Mich. Strip moistener. 1,503,623; Aug. 5.
Bauman, Charles W., and F. Gruber, Columbus, Ohio. Float. 1,503,624; Aug. 5.
Beach, Edward S. (See Frederick, Fritz R., assignor.)
Beale, Samuel C., Los Angeles, assignor to H. J. Forky, trustee, Santa Ana, Calif. Beet-harvesting machine. 1,503,625; Aug. 5.
Belsley, Moses, San Dimas, Calif. Tractor attachment for furrowing. 1,503,626; Aug. 5.
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Scarifying machine. 1,503,872; Aug. 5.
Benkert, Hermann, Harburg-on-the-Elbe, Germany. Means for atomizing fuel. 1,503,627; Aug. 5.
Benner, Miles C., Springfield, Mass. Sight leaf. 1,503,744; Aug. 5.
Bennett, Herbert S., Jamestown, N. Y. Overshoe for tires. 1,503,466; Aug. 5.
Benoit, Wilfred J., Dracut, Mass. Conveyer. 1,503,936; Aug. 5.
Berard, Reml J., assignor to Remy Auto Miser Company, Woonsocket, R. I. Air-moistening device for internal-combustion engines. 1,504,018; Aug. 5.

Berg, Eskil, Schenectady, N. Y., assignor to General Electric Company. Electric boiler. 1,503,972; Aug. 5.
Bergman, Edward, New York, N. Y., assignor to C. Brandes, Inc. Terminal-setting tool. 1,503,973; Aug. 5.
Berndt, Martin, Eutritzsch, near Leipzig, assignor to the Firm of Industrie-Dienst-Ein- und Ausfuhr Gesellschaft mit beschränkter Haftung, Leipzig, Germany. Pencil-sharpening Machine. 1,504,019; Aug. 5.
Bertella, Armando, Detroit, Mich. Cable-operated plow. 1,503,467; Aug. 5.
Best, Clarence L., San Leandro, assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor. 1,503,628; Aug. 5.
Bickley, Everett H., Upper Darby, Pa. Faucet. Des. 65,364; Aug. 5.
Bidwell, Paul W., Easthampton, assignor to R. F. Perkins & Son, Inc., Holyoke, Mass. Roll for paper-manufacturing machines. 1,504,179; Aug. 5.
Bieker, Lawrence W., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Slack-adjuster mechanism. 1,503,468; Aug. 5.
Bilex Products Company. (See Grotenhuis, William J., assignor.)
Birmingham, Thomas F., Hammond Ind., assignor to The Superheater Company, New York, N. Y. Method of and apparatus for forging manifolds on pipes. 1,503,469; Aug. 5.
Blrd, Albert, and E. E. Heintz, Detroit, Mich. Window-regulator bearing. 1,503,470; Aug. 5.
Birrell, Gavin R., Salt Lake City, Utah. Power-generating attachment for airplanes. 1,504,085; Aug. 5.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric Lantern. 1,503,873; Aug. 5.
Blackburn, Jasper, St. Louis, Mo. Spark-plug. 1,503,974; Aug. 5.
Blackwell, William T. (See Robinson, G. P., and Blackwell.)
Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Feeder-pile-adjustment means. 1,503,877; Aug. 5.
Blanc, Alex. (See Poll, Louis, assignor.)
Block, George H., assignor of thirty-five one-hundredths to S. A. Brown, Hanna, Alberta, Canada. Revolving self-cleaning moldboard plow. 1,503,874; Aug. 5.
Blomster, Albert G., San Diego, Calif. Smoking pipe. 1,503,629; Aug. 5.
Blucker, Eric, Chicago, Ill. Steam turbine. 1,503,812; Aug. 5.
Blumenthal & Co. (See Kozlay, Clarence V., assignor.)
Bolinders, J. & C. G., Mekaniska Verkstads Aktiebolag. (See Rudqvist, Carl A., assignor.)
Bollinger, Simon, South Whitley, Ind. Flue stopper. 1,503,630; Aug. 5.
Bongardt, Ernst, Hersfeld, Germany. Step washing plant for ash, coal, and the like. 1,503,876; Aug. 5.
Bonom, Alfred, Paterson, N. J. Propelling mechanism for boats. 1,054,180; Aug. 5.
Boose, Harry B. (See Koch, M. J., and Boose.)
Borland, Karl H., Watertown, N. Y. Perforating device. 1,504,181; Aug. 5.
Bornhauser, Otto E., and J. E. Herman, Sandusky, Ohio. Apparatus for making building blocks and the like. 1,503,875; Aug. 5.
Bosch, Robert, Aktiengesellschaft. (See Steinhart, Hermann, assignor.)
Bourke, Thomas N. (See Slaymaker, Robert K., and G. D., and Bourke.)
Bowen, Michael B. assignor to Farles Manufacturing Company, Decatur, Ill. Arm for lighting fixtures. Des. 65,365; Aug. 5.
Boyrle, Frank Y., Hilo, Hawaii. Automatic clutch-release device. 1,503,682; Aug. 5.
Brackett, Francis W., Colchester, England. Rotary filter or strainer. 1,504,020; Aug. 5.
Bradford, Glen C., Tulsa, Okla. Snubber. 1,504,086; Aug. 5.
Bradner, Donald B., and M. L. Sherrill, Baltimore, Md. Making pungent compounds. 1,503,631; Aug. 5.
Brady, Byron, Dunmore, Pa. Child's vehicle. 1,503,878; Aug. 5.
Brady, Judson R., Arkansas City, Kans. Wire-line clamp. 1,504,087; Aug. 5.
Brandenstein, H. V., administrator. (See Bransten, Manfred.)
Brandes, C., Inc. (See Bergman, Edward, assignor.)
Bransten, Manfred, deceased, San Francisco, Calif.; H. V. Brandenstein, administrator. Sealing containers in vacuum. 1,504,088; Aug. 5.
Brayton, Harold M., Dover, N. J. Safety plunger for artillery fuses. 1,503,632; Aug. 5.
Breck, William M., Cleveland, Ohio. Safety-razor-blade stropper. 1,503,471; Aug. 5.
Brewer, Gld H., Witts Springs, Ark. Rein guide. 1,503,879; Aug. 5.
Brewster, Elmer J., and J. Murrin, Chicago, Ill. Rod brass. 1,503,472; Aug. 5.
Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
Briggs & Stratton Company. (See Briggs, S. F., and Jacobl, assignors.)
Briggs, Stephen F., and E. N. Jacobl, assignors to Briggs & Stratton Company, Milwaukee, Wis. Variable-resistance switch. 1,504,021; Aug. 5.
Brighton Mills. (See Pearson, W. H., and Kelly, assignors.)
Brisbin, Lewis H., Berkeley, assignor of one-third to A. Jorski, Livermore, and one-third to T. F. M. Cade, Oakland, Calif. Valve-lifting tool. 1,504,089; Aug. 5.
Britton, George W., Hamilton, Ontario, Canada. Weighing scale. 1,504,022; Aug. 5.
Brodie, Arthur M., assignor to The Kemp Metal Auto Wheel Co., Limited, Toronto, Canada. Hub and spoke connection. 1,504,090; Aug. 5.
Brody, Rubie. (See Schnipper, N., and Brody.)
Brogan, Byard F., Philadelphia, Pa. Finger ring. Des. 65,366; Aug. 5.
Broman, Peter, Chicago, Ill. Ladder rung. 1,503,880; Aug. 5.
Bros, Ernest T., Minneapolis, Minn. Shock absorber. 1,503,881; Aug. 5.
Brown, Joseph A., and J. R. Watson, Jewett, Tex. Retaining device. 1,503,975; Aug. 5.
Brown, Sayle A. (See Block, George H., assignor.)
Bruce-Macbeth Engine Company, The. (See Curtiss, C. E., and Allen, assignors.)
Brun, Vally P., San Francisco, Calif. Indoor golf game. 1,503,633; Aug. 5.
Brunell, Homer A. (See Burtnett, Everett R., assignor.)
Bryant, Charles J., et al. (See Bryant, John W., assignor.)
Bryant, Charles W., et al. (See Bryant, John W., assignor.)
Bryant, John W., assignor of one-twelfth to C. W. Bryant, one-twelfth to C. J. Bryant, one-sixth to M. E. Bryant, and one-sixth to W. Shell, Shepparton, Victoria, Australia. Wheel rim and pneumatic-tire cover. 1,503,976; Aug. 5.
Bryant, Margaret E., et al. (See Bryant, John W., assignor.)
Bucherer, Max, Berlin-Reinickendorf-West, Germany. Pump. 1,503,634; Aug. 5.
Buchli, Jacob, Baden, Switzerland. Locomotive driven by steam and internal-combustion engines. 1,504,091; Aug. 5.
Bugatti, Ettore, Molsheim, France. Turning tool for turret and automatic lathes and the like. 1,504,092; Aug. 5.
Burdett, John B., Highland Park, Ill. Pressure regulator. 1,503,473; Aug. 5.
Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Excavator. 1,503,813; Aug. 5.
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Winding for electrical apparatus. 1,503,977; Aug. 5.
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Casing for electrical apparatus. 1,503,978; Aug. 5.
Burns, Martin F., Flushing, N. Y. Denfal casting machine. 1,503,814; Aug. 5.
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,504,093; Aug. 5.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,504,094; Aug. 5.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Supercharging auxiliary-exhaust poppet-valve motor. 1,504,095; Aug. 5.
Burtnett, Everett R., assignor of one-half to H. A Brunell, Los Angeles, Calif. Internal-combustion engine. 1,504,096; Aug. 5.
Busenburg, Fanny, Pine Bluff, Ark. Child's combination undergarment. 1,503,474; Aug. 5.
Butler, William F., London, England. Adjustable holder for gripping the ends of short rods. 1,503,635; Aug. 5.
Byerly, William F. (See Osmer, John E., assignor.)
Cade, T. Fred M., et al. (See Brisbin, Lewis H., assignor.)
Cadman, Addi B., assignor to Warner Manufacturing Company, Beloit, Wis. Trailer truck. 1,503,815; Aug. 5.
Callahan, Annie, Pulaski, Tenn. Combination vanity case and purse. 1,503,979; Aug. 5.
Cann, Arthur T. (See Murphy, J. J., and Cann.)
Canon, Frank A., Crafton, Pa., assignor to The Barrett Company. Manufacture of aromatic sulphonic acids. 1,503,937; Aug. 5.
Cantoni, Marlo. (See Picket, Lucien, and Cantoni.)
Carlehoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetically-operated device. 1,503,980; Aug. 5.
Carlehoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetically-operated device. 1,503,981; Aug. 5.
Carnation Milk Products Company. (See Grindrod, George, assignor.)
Carpenter, Eugene R., Ansonville, N. C. Fireless cooker. 1,504,097; Aug. 5.
Carter, John J., Anderson, Ind., assignor to General Motors Corporation. Punch and die. 1,504,182; Aug. 5.
Carty, Francis J., Roxbury, Mass., assignor to Franklin Railway Supply Company. Locomotive booster system. 1,503,475; Aug. 5.
Castleman, Frank M., Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Braking apparatus. 1,503,882; Aug. 5.
Cathey, Hardy L., Clinton, Okla. Pencil-dispensing machine. 1,504,098; Aug. 5.

Central Railway Signal Company. (See Edmands, John W., assignor.)
Charbonneau, Henry J. (See Lintott, H. T., and Charbonneau.)
Childs, William L., and L. A. Godbold, assignors to Hughes Tool Company, Houston, Tex. Apparatus for well drilling. 1,503,476; Aug. 5.
Christensen, Niels, Astoria, Oreg. Match scratcher. 1,504,099; Aug. 5.
Christy, Frank W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,503,477; Aug. 5.
Clark Car Company. (See Fendner, Willard J., assignor.)
Clark, George T., Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass. Straightening machine. 1,504,023; Aug. 5.
Clark, George T., Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass. Straightening spindles and the like. 1,504,024; Aug. 5.
Clark, James T. (See Clark, Omar E. and J. T.)
Clark, Omar E. and J. T., Denver, Colo. Trailer. 1,504,190; Aug. 5.
Clauder, Arthur W., Bridgeport, Conn., assignor to General Electric Company. Snap switch. 1,503,982; Aug. 5.
Clauss, Max O., New York, N. Y. Label-attaching machine. 1,503,745; Aug. 5.
Claytor, Jacob P., Lorimor, Iowa. Adjustable tray table top and display device. 1,503,746; Aug. 5.
Clelland, Duncan. (See McFarlane, J., and Clelland.)
Clements, Frank O., assignor, by mesne assignments, to Dayton-Wright Company, Dayton, Ohio. Apparatus for doping airplane wings. 1,503,478; Aug. 5.
Clements, Wellington I., Portsmouth, Va. Making auxiliary shirt bosoms and the article formed thereby. 1,503,983; Aug. 5.
Cleveland Industrial Development Company, The. (See Kraber, George L., assignor.)
Coats, Allan, Castlehead, Paisley, Scotland. Process and apparatus for the continuous casting of rods, bars, and the like. 1,503,479; Aug. 5.
Cobb, Henry Z., New York, N. Y., assignor to Morgan & Wright. Ring for tire beads. 1,503,883; Aug. 5.
Cobbs, Allen B., Chicago, Ill. Trap. 1,503,480; Aug. 5.
Cocksedge, Herbert E., Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y. Forming sodium carbonate. 1,503,481; Aug. 5.
Col, Albert, Paris, assignor to Societe Marqeol, Moulins, Allier, France. Thickness indicator for woodworking machines. 1,503,636; Aug. 5.
Colley, Harry A., assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,503,816; Aug. 5.
Colman, Howard D., Rockford, assignor to E. S. Nethercut, Evanston, Ill. Combs used in the textile art. 1,503,637; Aug. 5.
Commonwealth Mfg. Company. (See Dumont, Joseph, assignor.)
Compere, Thomas S., Joplin, Mo. Oil burner. 1,503,817; Aug. 5.
Cone, Lee H., Mountain Lakes, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of 2,3-hydroxynaphthoic acid. 1,503,984; Aug. 5.
Conger, Henry M., Washington D. C., and A. O. Travis, Del Ray, Va., assignors to Seattle Luminous Products Corporation, Seattle, Wash. Machine for manufacturing gelatin sheets or films. 1,504,183; Aug. 5.
Conill, Fernan O., Marseille, France. Valve mechanism for refrigerating apparatus. 1,503,482; Aug. 5.
Conklin, Edward J., Bridgeport, Conn. Knife-blade-squaring machine. 1,503,747; Aug. 5.
Conklin, Oliver F., and J. A. Vanneman, Anderson Ind., assignors to The Remy Electric Company. Magneto. 1,503,483; Aug. 5.
Conklin, Oliver F., assignor to Remy Electric Company, Anderson, Ind. Commutator and manufacture. 1,503,484; Aug. 5.
Conley, Ernest, Sherbrooke, Quebec, Canada. Automobile radiator shield. 1,503 485; Aug. 5.
Consolidated Car-Heating Company. (See Hynes, Lee P. assignor.)
Cooper, John H., Maywood, Ill. Adjustable automobile lamp. 1,503,638; Aug. 5.
Copeman, Lloyd G., Flint, Mich. Refrigerator-door construction. 1,503,486; Aug. 5.
Coradi, Oswald, and H. Graf-Buchler, Zurich, Switzerland. Magnetic chuck. Re15,884; Aug. 5.
Cording, Charles E. (See Amos, A. J., and Villiers, assignors.)
Cordley & Hayes. (See Long, George R., assignor.)
Corset, Lucien A. M., Paris, France. Liquid-level gauge. 1,504,025; Aug. 5.
Corson, William G., Akron, Ohio. Grommet. 1,503,985; Aug. 5.
Cottakis, Tassos M. (See Metropole, T. D., and Cottakis.)
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Water-tube boiler. 1,504,026; Aug. 5.
Cowlishaw, Walker & Company. (See Moore, Matthew S., assignor.)
Cox, Millard F., Louisville, Ky. Car-door-locking device. 1,503,487; Aug. 5.
Crane, Herbert W., Chicago, Ill. Electric-motor governor. 1,503,818; Aug. 5.
Craver, Thomas G., assignor of one-fourth to M. L. Parker, Mount Hope, and one-fourth to L. Douglas, Scarbro, W. Va. Display device. 1,503,488; Aug. 5.
Crighton, Peter F. (See Fraser, H. A., and Crighton.)
Crocker-Wheeler Company. (See White, Harold E., assignor.)
Croft, Hiram D. (See Perkins, J. L., Sickles, and Croft.)
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Cunningham, Otto H., Leechburg, Pa. Annealing sheet metal. 1,503,639; Aug. 5.
Curioni, Aldo, Larchmont, assignor to M. Levy, New York, N. Y. Powder puffs. 1,503,748; Aug. 5.
Curtis, Lewis E., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Producing channel irons. 1,503,884; Aug. 5.
Curtiss, Charles E., Cleveland Heights, and H. L. Allen, assignors to The Bruce-Macbeth Engine Company, Cleveland, Ohio. Internal-combustion engine. 1,503,640; Aug. 5.
Dahl, G. A., et al. (See Wilson, Thomas H., assignor.)
Dahlberg, C. F. (See Munroe, Treadway B., assignor.)
Dahlberg, C. F. (See Shaw, John K., assignor.)
Dahlberg, Carl F., New Orleans, La. Plaster board. 1,503,783; Aug. 5.
Dal Lago, Frank, Jersey City, N. J., and J. S. Jarkow, New York, N. Y. Handkerchief. Des. 65,376; Aug. 5.
Dalton, William, Schenectady, N. Y. Rail fastener. 1,503,489; Aug. 5.
Dalzell, Harry G., Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined puff bowl and perfume bottle. Des. 65,367; Aug. 5.
Danublo, Joseph, East Weymouth, Mass. Hair protector and conformer. 1,504,100; Aug. 5.
Darling, Lewis A., assignor to Electric Service Supplies Company, Philadelphia, Pa. Controlling valve for engines actuated by steam or other motive fluid. 1,503,683; Aug. 5.
Davidson, Alf H. Chippewa Falls, Wis. Engine. 1,504,101; Aug. 5.
Davin, John J., and F. J. Jicha, Chicago, Ill. Parachute. 1,504,102; Aug. 5.
Davis, Charles C., Los Angeles, Calif. Working dusty fields. 1,503,641; Aug. 5.
Davis, Charles W., McAlester, Okla. Crank-case-oil tester. 1,503,749; Aug. 5.
Davis, Gladstone B., administrator. (See Davis, William J.)
Davis, William, Chicago, Ill. Combined accelerator and brake controlling mechanism. 1,503,525; Aug. 5.
Davis, William, Chicago, Ill. Combined vehicle steering and electric-motor-controlling mechanism. 1,503,938; Aug. 5.
Davis, William, Chicago, Ill. Brake and accelerator operating mechanism. 1,503,939; Aug. 5.
Davis, William C., Prahran, near Melbourne, Victoria, Australia. Appliance for broiling, cooking, and toasting foodstuffs. 1,504,102; Aug. 5.
Davis, William J., deceased, Chicago, Ill.; G. B. Davis administrator. Pasteurizing milk, etc. 1,504,197; Aug. 5.
Day, Albert V. T., Rye, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway-train-control system. 1,504,191; Aug. 5.
Dayton, Albert F., Pleasanton, Calif. Vaporizer. 1,503,642; Aug. 5.
Dayton-Wright Company. (See Clements, Frank O., assignor.)
Dayton-Wright Company. (See Driggs, Ivan H., assignor.)
Dean, John, Racine, Wis. Hair clipper. 1,503,986; Aug. 5.
Decker, John, New York, N. Y. Lock. 1,503,819; Aug. 5.
De Clairmont, Adolfo, Toledo, Ohio. Spark plug. 1,503,643; Aug. 5.
Delahaye, Walter H., and E. Vandecan, Ottawa, assignors to The National Manufacturing Company, Limited, Brockville, Ontario, Canada. Hand milking machine. 1,504,027; Aug. 5.
Deloghia, Louis E. (See Perkins, J. L., and Deloghia.)
Demele, Rudolf, Rochester, N. Y. Electromagnet. 1,503,987; Aug. 5.
Denington, Richard C., et al. (See Young, George, assignor.)
Dennis, Earl, Detroit, Mich. Electric control mechanism. 1,503,940; Aug. 5.
Denny, William E., Loudonville, Ohio. Ironing table. 1,503,885; Aug. 5.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lighting fixture. 1,504,028; Aug. 5.
De Rosier, David, Braddock, Pa. Face mask. 1,504,029; Aug. 5.
De Shon, Everette C., Clarksdale, Mo. Earth-boring machine. 1,504,184; Aug. 5.
Detroit Vapor Stove Company. (See Meadows, A., and Sherman, assignors.)
Dettweiler, William F., Upland, Calif. Belt. 1,504,030; Aug. 5.
Dewey, Walter E., Glenside, Pa. Syringe. 1,503,579; Aug. 5.
Dickens, James C. (See Thomas, W. C., Dickens, and Fowler.)
Dickinson, Harry S., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Draft control for double-cut disk harrows. 1,504,104; Aug. 5.

Dickinson, Harry S., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Disk harrow. 1,504,105; Aug. 5.

Diehl, Herman H., assignor to The West Virginia Rail Company, Huntington, W. Va. Railway-track construction. 1,503,886; Aug. 5.

Dietz, George, New York, N. Y. Safety door lock. 1,503,820; Aug. 5.

Dike, Charles F., Joplin, Mo. Combined exhaust and intake manifold. 1,503,821; Aug. 5.

Dilworth, Porter, and Company. (See Morrison, Andrew, assignor.)

Ditson, Jesse, and A. E. Peters, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,503,490; Aug. 5.

Doerr, Harry E., assignor to Scullin Steel Co., St. Louis, Mo. Truck side frame. 1,503,491; Aug. 5.

Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor of one-half to the Firm: Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Aircraft construction. 1,504,106; Aug. 5.

Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor to the Firm: Dornier Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Flying-machine construction. 1,504,107; Aug. 5.

Dornier Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)

Dorr Company, The. (See Dorr, John V. N., assignor.)

Dorr Company, The. (See McHugh, Phillip M., assignor.)

Dorr, John V. N., New Canaan, Conn., assignor to The Dorr Company. Sugar manufacture. 1,503,644; Aug. 5.

Douglas, Lem, et al. (See Craver, Thomas G., assignor.)

Draper Corporation. (See Stimpson, Edward S., assignor.)

Drees, John F., Cleveland, Ohio. Automobile Recording Instrument. 1,504,031; Aug. 5.

Dressler, Conrad, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Tunnel kiln with steam-generating cooling zone. 1,503,750; Aug. 5.

Dreymann, Carl, Baltimore, Md. Extracting Oil. 1,503,751; Aug. 5.

Drigga, Ivan H., assignor to Dayton-Wright Company, Dayton, Ohio. Fuselage fitting. 1,503,887; Aug. 5.

Drying Systems, Inc. (See Harrison, Burt S., assignor.)

Du Bois, David I. (See Headley, B. T., Thompson, and Du Bois.)

Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Side-guide mechanism. 1,503,492; Aug. 5.

Dulak, Constance, West, Tex. Mount for Windmills. 1,503,526; Aug. 5.

Dumas, George A., Chicopee Falls, Mass. Chocolate-coating machine. 1,503,527; Aug. 5.

Dumont, Joseph, assignor to Commonwealth Manufacturing Company, Gardner, Mass. Machine for producing rattan weaving strips. 1,503,784; Aug. 5.

Duncan, Joseph S., and U. G. Lee, assignors to Addressograph Company, Chicago, Ill. Printing and addressing machine. 1,503,822; Aug. 5.

Duncan, Levi H. (See Kerr, T. H., and Duncan.)

Dunlop Rubber Company, The. (See Macbeth, C., and Willshaw, assignors.)

Dunn Manufacturing Company. (See Grant, John, assignor.)

Du Pont, E. I., de Nemours & Company. (See Henning, Clarence I. B., assignor.)

Dupont Fibersilk Company. (See Tallman, W. J., and Bacon, assignors.)

Durham, George W. (See Rogers, A. D., and Reynolds, assignors.)

Eastman Kodak Company. (See Mees, Charles E. K., assignor.)

Eastman Kodak Company. (See Seel, Paul C., assignor.)

Eastwood, Benjamin, Company. (See Wells, William S., assignor.)

Edison Electric Appliance Company. (See Shroyer, Jacob L., assignor.)

Edmands, John W., Newton Highlands, assignor to Central Railway Signal Company, Boston, Mass. Railway signal torpedo. 1,504,032; Aug. 5.

Edwards, Charles K., assignor to The Associated Equipment Company Limited, London, England. Gearing transmitting drive to vehicle wheels. 1,504,033; Aug. 5.

Elfe, James M., assignor to White Mop Wringer Company, Fultonville, N. Y. Child's swing. 1,503,493; Aug. 5.

Electrostrop Manufacturing Company. (See Kalteyer, Frederick J., assignor.)

Electric Service Supplies Company. (See Darling, Lewis A., assignor.)

Electro Metallurgical Company. (See Smith, William H., assignor.)

Elliott, William E., Grand Rapids, Mich., assignor to American Button & Fastener Co., Augusta, Me. Feeding apparatus. 1,503,494; Aug. 5.

Elspass, John H., Wichita, Kans., assignor of one-third to M. J. Maloney, Oklahoma City, Okla. Bleaching and sweating apparatus for dehydrating materials. 1,504,108; Aug. 5.

Eppenstein, Otto, assignor to the Firm Carl Zeiss, Jena, Germany. Telemeter. 1,503,752; Aug. 5.

Epstein, Albert M., Elmira, N. Y. Dental tray. 1,503,580; Aug. 5.

Equipment Devices Company. (See Miller, Arthur, assignor.)

Equipment Devices Company. (See Murphy, J. J., and Cann, assignors.)

Equitable Meter Company. (See Horton, Oliver D., assignor.)

Erban, Richard, Vienna, Austria. Magneto-electric coupling. 1,504,109; Aug. 5.

Erickson, Charles F., Brooklyn, N. Y. Resilient wheel. 1,504,110; Aug. 5.

Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Selective switching mechanism. 1,503,785; Aug. 5.

Erickson, John E., Rockford, Ill. Ratchet wrench. 1,503,888; Aug. 5.

Erwin, Samuel P., Santa Rosa, Calif. Elevator. 1,504,034; Aug. 5.

Estwick, Charles F., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic speed-control system for railways. 1,504,185; Aug. 5.

Evans, Cleve E. and I. H. Angelsberg, assignors of one-third to H. G. Stearns, Dallas, Tex. Whistling bubble blower. 1,504,186; Aug. 5.

Evensen, William, assignor to The Goss Printing Press Company, Chicago, Ill. Plate-clamping mechanism for printing presses. 1,503,941; Aug. 5.

Ever Ready Company (Great Britain) Limited, The. (See Mummery, Charles S., assignor.)

Evins, Dossa D., Davenport, Iowa. Attachment for chiropractic table. 1,504,111; Aug. 5.

Fabret, Francois J., Nice, France. Local anæsthesis outfit. 1,503,528; Aug. 5.

Faes, Armand, Mortsel, near Antwerp, assignor to Gevaert Photo Producten N. V., Vieux-Dieu, near Antwerp, Belgium. Photographic roll film. 1,503,645; Aug. 5.

Farbenfabriken vorm. Friedr. Bayer and Co. (See Neelmeier, W., and Heusner, assignors.)

Faries Manufacturing Company. (See Bowen, Michael B., assignor.)

Faulkner, Arthur L., Smithfield, N. C. Electric sign. 1,504,112; Aug. 5.

Faw, Julian H., New York, N. Y. Wrench. 1,504,035; Aug. 5.

Federated Engineers Development Corporation. (See Potter, Thomas I., assignor.)

Felthousen, Birdie J., administratrix. (See Felthousen, John H.)

Felthousen, John H., deceased, York, Pa., by B. J. Felthousen, administratrix, Baltimore, Md., assignor to S. Morgan Smith Company, York, Pa. Turbine installation. 1,504,113; Aug. 5.

Fendner, Willard J., Pittsburgh, Pa., assignor to Clark Car Company. Fluid-pressure system. 1,503,889; Aug. 5.

Finkl, William F., Chicago, Ill. Drying tube. 1,503,823; Aug. 5.

Finley, Max S., Indianapolis, Ind. Radiotelephone receiver. 1,503,529; Aug. 5.

Fischer, Albert C., Chicago, Ill. Elastic and expansible paving joint. 1,503,942; Aug. 5.

Fish, George L., Long Beach, Calif. Emulsifying apparatus. 1,503,646; Aug. 5.

Fitzgerald, Francis A. J. (See Thomson, J., and Fitzgerald.)

Flaska, John, et al., in trust. (See Skvarenina, Julius, assignor.)

Flaska, Peter, et al., in trust. (See Skvarenina, Julius, assignor.)

Flegel, Harrison D., Racine, Wis. Mixer. 1,503,943; Aug. 5.

Fleming, August L. N., Lyndhurst, N. J. Traveling scaffold. 1,503,581; Aug. 5.

Flesch, Terese C., St. Paul, Minn. Electric pressing iron. 1,503,890; Aug. 5.

Fletcher, Henry E. (See Grilich, Nicholas, assignor.)

Fletcher Works, Incorporated. (See Bartholomew, Robert J., assignor.)

Flora, Clarence M., Oklahoma City, Okla. Yoke construction for shirts. 1,504,114; Aug. 5.

Flora, Clarence M., Oklahoma City, Okla. Folding reversible French cuff. 1,504,115; Aug. 5.

Fogler, Ben B., Cleveland, Ohio, assignor to General Electric Company. Preparing oxides of tungsten and similar materials. 1,504,036; Aug. 5.

Foley, Hugh B., Minneapolis, Minn. Auxiliary traction-wheel rim. 1,503,684; Aug. 5.

Foley, Thomas J., Minneapolis, Minn. Automobile lock. 1,503,786; Aug. 5.

Folk, Harry S., Melbourne, Victoria, Australia. Means for energizing or winding the spring motors of sound-reproducing and other machines. 1,503,787; Aug. 5.

Follin, Edward Francis, Great Falls, Mont. Boiler-washing nozzle. 1,503,495; Aug. 5.

Forgy, Horatio J. (See Beale, Samuel C., assignor.)

Forsyth, William R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting block. 1,503,496; Aug. 5.

Fortier, James J., and J. W. Sherwood; said Fortier assignor of one-sixteenth to J. R. Fortier, Grand Rapids, Mich. Carburation for internal-combustion engines. 1,504,187; Aug. 5.

Fortier, James R. (See Fortier, J. J., and Sherwood, assignors.)

Fostoria Glass Company. (See Dalzell, Harry G., assignor.)

Fototone Co. (See Wood, Lyndon D., assignor.)

Fowler, Jesse W. (See Thomas, W. C., Dickens, and Fowler.)

Fox, William R., Jackson, Mich. Drilling-machine oiling system. 1,504,192; Aug. 5.

Frank, Joseph, New York, N. Y. Amusement apparatus. 1,504,116; Aug. 5.

Frank, Patrick H., Zamboanga, P. I. Hemp-stripping machine. 1,503,788; Aug. 5.

Franke, Bernard E., Baltimore, Md., assignor to The George Franke Sons Company. Tinsel reflector. Re15,887; Aug. 5.

Franke, George, Sons Company, The. (See Franke, Bernard E., assignor.)

Franklin Railway Supply Company. (See Carty, Francis J., assignor.)

Fraser, Henry A., and P. F. Crighton, London, England. Machine for manufacturing coiled-wire fabric. 1,503,944; Aug. 5.

Fraser, Henry A., and P. F. Crighton, London, England. Machine for manufacturing coiled-wire fabric. 1,503,945; Aug. 5.

Frautz, Charles C., and H. F. Penney, assignors to Phillips & Clark Stove Co. Inc., Geneva, N. Y. Clean-out frame and cap therefor. 1,503,647; Aug. 5.

Frederick, Fritz R., New York, N. Y., assignor to E. S. Beach, Ridgefield, Conn. Typewriter. 1,503,753; Aug. 5.

Frederick, Joseph M., assignor to Pompeian Romanza Corporation, Baltimore, Md. Can-capping machine. 1,504,188; Aug. 5.

Freyn, Brassert & Company. (See Willcox, Frederick H., assignor.)

Friedley, Robert, Edmonton, Alberta, Canada. Antislipping device for skids. 1,504,117; Aug. 5.

Fry, Thornton C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Harmonic analyzer. 1,503,824; Aug. 5.

Fuller Brush Company, The. (See Lucia, Louis V., assignor.)

Fuller Brush Company, The. (See Rudolph, Walter H., assignor.)

Fuller Brush Company, The. (See Rudolph, W. H., and Lucia, assignors.)

Funsten, R. E., Company. (See Wilms, Hermann, assignor.)

Furman, Claude V., and C. V. Youngs, Rochester, N. Y. Tool for removing headlight rims. 1,504,037; Aug. 5.

Furey, William D., Baltimore, Md. Hose supporter. 1,503,988; Aug. 5.

Ganieany, Vick L. (See Strom, P., and Ganieany.)

Ganse, Frederick H., Tulare, Calif. Adhesive pot. 1,504,118; Aug. 5.

Gas Machinery Company, The. (See Richardson, Ralph B., assignor.)

Gasco, Francesco, New York, N. Y. Razor-blade sharpener. 1,503,582; Aug. 5.

Gastgeb, Charles, Bridgeville, assignor of one-half to G. J. Picard, jr., Carnegie, Pa. Jar closure. 1,504,039; Aug. 5.

Gates, Leroy G. (See Scharpenberg, C. C., and Gates.)

Gayda, Frank J. (See Rockefeller, W., and Gayda.)

Geasler, Richard L., Chicago, Ill. Vehicle washer. 1,504,038; Aug. 5.

Geier, P. A., Company, The. (See Schiltz, Bernard P., assignor.)

Gelberg & Schwartz. (See Schwartz, Benjamin, assignor.)

General Electric Company. (See Artell, Clinton J., assignor.)

General Electric Company. (See Bailey, Percy S., assignor.)

General Electric Company. (See Berg, Eskil, assignor.)

General Electric Company. (See Burnham, Locke H., assignor.)

General Electric Company. (See Carichoff, Eugene R., assignor.)

General Motors Corporation. (See Carter, John J., assignor.)

General Electric Company. (See Clauder, Arthur W., assignor.)

General Electric Company. (See De Reamer, Frank C., assignor.)

General Electric Company. (See Fogler, Ben B., assignor.)

General Electric Company. (See Pfannkuch, Wilhelm, assignor.)

General Electric Company. (See Schuchardt, Rudolph F., assignor.)

General Electric Company. (See Stein, Theodor, assignor.)

General Electric Company. (See Thomson, Elihu, assignor.)

General Electric Company. (See Treanor, Edward D., assignor.)

General Electric Company. (See Vienneau, Jacob J., assignor.)

General Railway Signal Company. (See Estwick, Charles F., assignor.)

General Railway Signal Company. (See Paul, Joseph N., assignor.)

General Railway Signal Company. (See Wight, Sedgwick N., assignor.)

Gerrard, Alec J., and P. Wright, Chicago, Ill. Wire straightening and swaging machine. 1,503,583; Aug. 5.

Gersman, Harvey M., Buffalo, N. Y. Expanded sheet metal. 1,503,891; Aug. 5.

Gesellschaft für Aluminothermie. (See Goldsmith, H., and Schönwald, assignors.)

Gevaert Photo Producten N. V. (See Faes, Armand, assignor.)

Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Lens-grinding machine. 1,503,497; Aug. 5.

Globe-Wernicke Company, The. (See Ringler, William A., assignor.)

Godbold, Louis A. (See Childs, W. L., and Godbold.)

Goldschmidt, Hans, and G. Schönwald, assignors to Gesellschaft für Aluminothermie, Berlin, Germany. Welding metals. 1,503,825; Aug. 5.

Goodwin, Charles M. (See Kruse, C. H., and Goodwin.)

Goss Printing Press Company, The. (See Evensen, William, assignor.)

Gove, Charlotte M., administratrix. (See Gove, Henry H.)

Gove, Henry H., deceased, Biddeford, Me.; C. M. Gove administrator. Feeler mechanism for looms. 1,503,685; Aug. 5.

Graf-Buchler, Henri. (See Coradi, O., and Graf-Buchler.)

Grant, John, Los Angeles, assignor to Dunn Manufacturing Company, Oxnard, Calif. Well elevator. 1,503,789; Aug. 5.

Greene Mfg. Co. (See Albert, Carl P., assignor.)

Griffin Wheel Company. (See Vial, Frederick K., assignor.)

Grilich, Nicholas, Los Angeles, Calif., assignor of one-half to H. E. Fletcher, Gila Bend, Ariz. Float valve. 1,503,686; Aug. 5.

Grindrod, George, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Chicago, Ill. Treating milk and milk products. 1,503,892; Aug. 5.

Gronner, George, Davenport, Iowa. Back-tool holder. 1,503,893; Aug. 5.

Gross, Frank, Brooklyn, N. Y. Trolley guide. 1,503,826; Aug. 5.

Grotenhuis, William J., Chicago, assignor, by mesne assignments, to Biflex Products Company, Waukegan, Ill. Clamp for automobile bumpers. Des. 65,368; Aug. 5.

Gruber, Frank. (See Bauman, C. W., and Gruber.)

Gusdorf, Harold M., Indianapolis, Ind. Combined pigskin and other material transmission belt. 1,503,946; Aug. 5.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-measuring machine. 1,503,498; Aug. 5.

Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Producing aluminum chloride. 1,503,648; Aug. 5.

Hall, Preston M., Swampscott, assignor to Thomson Electric Welding Company, Boston, Mass. Welding cast iron to steel. 1,503,827; Aug. 5.

Hamilton, Francis F., Indianapolis, Ind. Chest of trays. 1,503,894; Aug. 5.

Hamilton, Robert W., New York, N. Y. Fare-register mechanism. 1,503,754; Aug. 5.

Hansen, Augie L., Chicago, assignor to Hansen Manufacturing Company, county of Cook, Ill. Display stand for packaged goods. Des. 65,369; Aug. 5.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Wagon drill. 1,503,895; Aug. 5.

Hansen Manufacturing Company. (See Hansen, Augie L., assignor.)

Hansen, Oswald H., Elmhurst, N. Y. Tire-pressure device. 1,504,119; Aug. 5.

Hanson, Bennie P. Cedar Falls, Iowa. Bumper. 1,503,790; Aug. 5.

Harris, Daniel C. J. (See Petersen, I. M., and Harris.)

Harris, De Witt C., Pineland, Fla. Typewriter-ribbon spool. 1,503,896; Aug. 5.

Harris, Frederick H., Chicago, Ill. Permanent document binder. 1,503,828; Aug. 5.

Harris, Norman E., Murray, and W. D. Swiggart, Fulton, Ky.; said Swiggart assignor to said Harris. Lifting jack. 1,503,947; Aug. 5.

Harris, Norman E., Murray and W. D. Swiggart, Fulton, Ky.; said Swiggart assignor to said Harris. Lifting jack. 1,503,948; Aug. 5.

Harris Romaine R., Los Angeles, Calif., assignor to Natural Function Limbs Company. Artificial limb. 1,504,121; Aug. 5.

Harris, Walter K., Lockhart, Tex. Adding machine. 1,504,120; Aug. 5.

Harrison, Burt S., assignor to Drying Systems, Inc., Chicago, Ill. Air-conditioning device. 1,503,755; Aug. 5.

Harrison, Marion M. (See Morton, H. A., and Harrison.)

Harvesting Machinery Improvement Company. (See Walling, Samuel E., assignor.)

Harvey, Corbon L., Detroit, Mich. Ledger book. 1,504,040; Aug. 5.

Harvey, George R., Bedford, Ind. Radiator cap. Des. 65,370; Aug. 5.

Hasselberger, John, East Hampton, N. Y. Air and dust guard for lever openings. 1,503,756; Aug. 5.

Hauer, Elmer E., Springfield, Ohio. Strainer. 1,503,584; Aug. 5.
Hauser, Edward, New York, N. Y. Elastic hosiery supporter. 1,504,041; Aug. 5.
Hawkins, Thomas W., Ruabon, Wales. Drying machine for wool and other materials. 1,503,897; Aug. 5.
Hawley, Jesse B., Wilmette, Ill. Sound-amplifying horn. Des. 65,371; Aug. 5.
Headley, Benjamin T., P. H. Thompson, deceased, by R. M. Thompson, executrix, and D. L. Du Bois, assignors to Whitall-Tatum Company, Millville, N. J. Feeding device for vial machines. 1,503,585; Aug. 5.
Heald, Eldon G., West New Brighton, assignor to Eugene Munsell & Co., New York, N. Y. Power press for forming mica washers and other insulating forms. 1,503,829; Aug. 5.
Hedgcock William C., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,504,042; Aug. 5.
Heine Boiler Company. (See Cotton, Alfred, assignor.)
Heine Boiler Company. (See Pabmeyer, Frederick O., assignor.)
Helnig, Frank M., Watertown, Wis. Traction-wheel-tooth-cleaning device. 1,503,499; Aug. 5.
Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator wheel bearing. 1,503,500; Aug. 5.
Heintz, Ernest E. (See Biró, A., and Heintz.)
Heller, Benjamin, Chicago, Ill. Spray nozzle. 1,503,649; Aug. 5.
Helm, John J., Quantico, Va. Combination ash tray and cigarette case. 1,503,949; Aug. 5.
Helmholtz, Arthur W., Harrisburg, Ill. Electric lantern. Des. 65,372; Aug. 5.
Heminway & Bartlett Silk Co. (See Royce, Charles F., assignor.)
Henning, Clarence I. B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Priming mixture for propellent explosives. 1,503,520; Aug. 5.
Hercules Powder Company. (See Klinger, Harry W., assignor.)
Herdman, William J., Toronto, Ontario, Canada. Duplex repeater. 1,503,650; Aug. 5.
Herman, John E. (See Bornhauser, Otto E., and Herman.)
Heusner, Karl. (See Neelmeier, W., and Heusner.)
Heywood, Vincent E., Worcester, Mass. Aeroplane. 1,503,950; Aug. 5.
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Hidock, Frank V., Plains Parsons, Pa. Shoe-lace holder for shoes. 1,504,043; Aug. 5.
Higgins, Lafayette. (See Wallis, L. E., and Higgins.)
Hileman, Austin C., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Finishing the edges of glass sheets. 1,503,586; Aug. 5.
Hillyer, Homer W., Farmington, Conn., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of o-nitro-o-aminophenol-p-sulphonic acid and its derivatives. 1,504,044; Aug. 5.
Hineman, George, Ann Arbor, Mich. Sky-writing device. 1,503,830; Aug. 5.
Hites, Frank T., St. Louis, Mo. Tobacco pipe. 1,503,531; Aug. 5.
Hoffman, Louis, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company. Pressing implement. 1,503,501; Aug. 5.
Hoge Manufacturing Company, The. (See Saunders, William M., assignor.)
Holland, Norman, Montreal, Quebec, Canada. Combined tag and seal. 1,503,587; Aug. 5.
Holloway, Le Roy P., assignor to American Rubber and Tire Company, Akron, Ohio. Rubber tire. Des. 65,373; Aug. 5.
Holt, George A., Manchester, England. Means for storing gramophone records. 1,503,651; Aug. 5.
Holt Manufacturing Company, The. (See Best, Clarence L., assignor.)
Holt Manufacturing Company, The. (See Norelius, Emil F., assignor.)
Holt Manufacturing Company, The. (See Springer, Russell S., assignor.)
Holt Manufacturing Company, The. (See Turnbull, William, assignor.)
Holt Manufacturing Company, The. (See Wickersham, Elmer E., assignor.)
Holton, Abner L., Big Stone Gap, Va. Lifting jack for motor vehicles. 1,503,532; Aug. 5.
Horton, Oliver D., Erie, assignor to Equitable Meter Company, Pittsburgh, Pa. Pressure-measuring instrument. 1,504,045; Aug. 5.
Hoscelt, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Door-controlling means. 1,503,502; Aug. 5.
Hott, Peter, Milwaukee, Wis. Clean-out tool for furnaces. 1,503,898; Aug. 5.
Hovda, Oscar H., Grand Meadow, Minn. Draft device. 1,503,831; Aug. 5.
Howard, Otis W., assignor to Moline Plow Company, Incorporated, Moline, Ill. Disk plow. 1,504,046; Aug. 5.
Howe, Charles W., and J. J. Robertson, Ardmore, Okla. Oil pump. 1,503,652; Aug. 5.
Hubbard, Arthur O., Minneapolis, Minn. Tricycle. 1,503,832; Aug. 5.
Hughes Tool Company. (See Childs, W. L., and Godbold, assignors.)
Hugo, Emil J., assignor to Largman, Oppenheim & Co., Philadelphia, Pa. Automatic stop mechanism for cord knitters. 1,503,951; Aug. 5.
Hume, George C. (See Thompson, John, assignor.)
Hunnicutt, Burt C. (See Thompson, Fred W., assignor.)
Hunt, Henry J., London, England. Apparatus for grinding, abrading, or polishing metal and other surfaces. 1,503,687; Aug. 5.
Hurt, Granville R., Chanute, Kans. Shoe-stretching last. 1,503,653; Aug. 5.
Hutchins, Thomas W. S., Davenham, England. Means for discharging granular and like material from retorts and similar vessels. 1,503,791; Aug. 5.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Push button. 1,503,757; Aug. 5.
Ideal Electric & Manufacturing Company. (See Rothenberger, George M., assignor.)
Industrie-Dienst-Ein- und Ausfuhr Gesellschaft mit beschränkter Haftung. (See Berndt, Marten, assignor.)
Ingersoll-Rand Company. (See Ditson, J., and Peters, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingersoll-Rand Company. (See Wilhelm, R. H., and Rudlin, assignors.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Concrete Corporation. (See Wightman, Sherburne H., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Silver Co. (See Mowry, William F., assignor.)
Irving & Casson-A. H. Davenport Co. (See Janes, Joseph, assignor.)
Jack, A. N., et al. (See Wilson, Thomas H., assignor.)
Jack, E. L., et al. (See Wilson, Thomas H., assignor.)
Jackson, Roy H., Oakland City, Ind. Shock absorber. 1,504,122; Aug. 5.
Jackson, William S. (See Raule, Clifford T., assignor.)
Jacobi, Edward N. (See Briggs, S. F., and Jacobi.)
Jacobs, George W., Los Angeles, Calif. Car coupler. 1,503,833; Aug. 5.
Jakowitsch, Julius. (See Schulz, F., and Jakowitsch.)
Jameton, Julius, St. Louis, Mo. Automobile signal. 1,503,503; Aug. 5.
Janes, Joseph, Somerville, assignor, by mesne assignments, to Irving & Casson-A. H. Davenport Co., Boston, Mass. Wood-carving machine. 1,503,899; Aug. 5.
Jantz, Gustave H., Wyoming, Ohio. Wringer roll for clothes wringers. 1,503,952; Aug. 5.
Jantz, Gustave H., Wyoming, Ohio. Wringer roll for clothes wringers. 1,503,953; Aug. 5.
Jarkow, Jacob S. (See Lago, F. D., and Jarkow.)
Jaxon, George S., Huntington, W. Va., assignor to Link Belt Company, Chicago, Ill. Coal-screening apparatus. 1,503,954; Aug. 5.
Jedlicka, Anton. (See Subert, J., and Jedlicka.)
Jeffrey Manufacturing Company, The. (See Michaelis, Lawrence H., assignor.)
Jicha, Frank J. (See Davin, J. J., and Jicha.)
Johns, Luther, Oak Park, assignor to Vaughn & Bushness Manufacturing Co., Chicago, Ill. Hand wrench. 1,503,533; Aug. 5.
Johnson, Billie, Temple, Tex. Fuel heater for intake manifolds. 1,503,900; Aug. 5.
Johnson, Ira K., Caldwell, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,503,504; Aug. 5.
Johnson, Jesse O., Orange, Tex. Elevator. 1,503,588; Aug. 5.
Johnson, Lafayette G. (See Washburn, H. G., Johnson, and Thill.)
Johnston, Lawrence E., St. Louis, Mo. Valve. 1,504,047; Aug. 5.
Jones, Edward D., jr., Rochester, N. Y. Live-bait spinner. 1,503,901; Aug. 5.
Jones, John H., Sioux City, Iowa. Printer's stick. 1,503,505; Aug. 5.
Jones, Ward M., Chicago, Ill. Bumper. 1,503,534; Aug. 5.
Jones, William F., St. Louis, Mo. Concrete fence. 1,503,902; Aug. 5.
Jorgensen, Wesley, Hagerstown, Md. Sand-blast machine. 1,504,048; Aug. 5.
Jorski, Anthony, et al. (See Brisbin, Lewis H., assignor.)
Joslin, A. D., Manufacturing Co. (See Sheras, Morris, assignor.)
Joyce, Bryan P., Washington, D. C. Counterpoise. 1,503,589; Aug. 5.
Kalteyer, Frederick J., Philadelphia, Pa., assignor to Electostrop Manufacturing Company. Universal blade holder for sharpening devices. 1,504,049; Aug. 5.
Kalteyer, Frederick J., Philadelphia, Pa., assignor to Electostrop Manufacturing Company. Holder for razor blades for sharpening machines. 1,504,050; Aug. 5.

Kalteyer, Frederick J., Philadelphia, Pa., assignor to Electostrop Manufacturing Company. Blade holder for safety-razor blades. 1,504,051; Aug. 5.
Kaplan, Abraham. (See Strauss, Joseph, assignor.)
Karpeles, Maurice J., Providence, R. I. Jewelry box. Des. 65,391; Aug. 5.
Kasden, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Machine & Tool Co., Inc., New York, N. Y. Vanity box. 1,503,955; Aug. 5.
Katz, Frank M., assignor to Frank M. Katz & Co., Inc., New York, N. Y. Lamp shade. Des. 65,374; Aug. 5.
Katz, Frank M., & Co. (See Katz, Frank M., assignor.)
Kay, Wilson, Breckenridge, Tex. Nipple for well drilling. 1,504,052; Aug. 5.
Keen, Elliot, New York, N. Y., assignor to Picturadio Corporation. Method and system for transmitting pictures to a distance. 1,503,590; Aug. 5.
Keeran, Charles R., Chicago, Ill. Pencil. 1,503,506; Aug. 5.
Kelley, Kork. (See Kerr, Thomas S., assignor.)
Kelly, Timothy J. (See Pearson, W. H., and Kelly.)
Kelso, Francis M., Lind, Wash. Weed exterminator. 1,503,654; Aug. 5.
Kemp Metal Auto Wheel Co., The. (See Brodie, Arthur M., assignor.)
Kennington, William O., assignor to Remy Electric Company, Anderson, Ind. Ignition controller. 1,504,123; Aug. 5.
Kenyon, John J., Detroit, Mich. Washing machine. 1,504,053; Aug. 5.
Kerestes, George A., assignor to Novelty Amusement Co., Pittsburgh, Pa. Timing apparatus for use with picture-projecting machines. 1,503,384; Aug. 5.
Kerr, Thomas H., Columbus, Ohio, and L. H. Duncan, Ben Avon, Pa. Fluid-supply system. 1,503,591; Aug. 5.
Kerr, Thomas L., Bigheart, Okla., assignor of one-half to K. Kelley, Dallas, Tex. Blending gasoline. 1,503,792; Aug. 5.
Kershaw, Abraham, Scarborough, England. Intermittent movement for projectorscopes. 1,503,793; Aug. 5.
Kidder, Fred M., Warren, Pa. Oil bailer. 1,504,054; Aug. 5.
Kiff, Benjamin F., Hurricane, W. Va. Measuring register. 1,504,055; Aug. 5.
Kilkenny, Rollin G., Clearmont, Wyo. Motor-vehicle draft appliance. 1,504,056; Aug. 5.
Kirkpatrick, Robert S., assignor to J. B. Ladd, Des Moines, Iowa. Caster centering and retaining device. 1,503,535; Aug. 5.
Klanke, Gustav, Remscheid, Germany. Tool insulator specially for the handles of pliers and the like. 1,503,536; Aug. 5.
Klinger, Harry W., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive and making same. 1,503,956; Aug. 5.
Knopfler, David, New York, N. Y. Cap. 1,503,537; Aug. 5.
Koch, Michael J., and H. B. Boose, Pittsburgh, Pa. Printing apparatus. 1,503,507; Aug. 5.
Koelkebeck, Carl W. A., Pittsburgh, Pa. Sailing vessel. 1,504,057; Aug. 5.
Kolin, Julius, Vienna, Austria. Cleaning and sorting machine for grain and the like. 1,504,058; Aug. 5.
König, Albert, assignor to the Firm Carl Zeiss, Jena, Germany. Reducing tacheometer. 1,503,758; Aug. 5.
Kozlay, Clarence V., assignor to Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 65,375; Aug. 5.
Kraber, George L., Lakewood, assignor, by mesne assignments, to The Cleveland Industrial Development Company, Cleveland, Ohio. Fluid-operated turbine engine. 1,503,508; Aug. 5.
Kraft, Henry P., Ridgewood, N. J., and M. C. Schweinert, New York, N. Y. Pressure indicator. 1,503,759; Aug. 5.
Kramer, William, assignor to Spot-Light License Plate and Mfg. Co., Inc., New York, N. Y. Automobile license plate and holder therefor. 1,503,509; Aug. 5.
Kranich, Herbert, assignor to S. Sternau & Company, Inc., Brooklyn, N. Y. Solidified liquid fuel and making the same. 1,503,835; Aug. 5.
Kraske, Victor, Kalamazoo, Mich. Banjo. 1,504,059; Aug. 5.
Kress, Otto, Appleton, Wis., assignor to American Lakes Paper Company. Composite moistureproof board. 1,503,957; Aug. 5.
Kroschel, August H., Los Angeles, Calif. Table. 1,503,689; Aug. 5.
Kroschel, August H., Los Angeles, Calif. Self-locking hinge. 1,503,690; Aug. 5.
Kruse, Charles H., Coyote, and C. M. Goodwin, Santa Clara, Calif.; said Goodwin assignor to said Kruse. Ridger and gap-filling machine. 1,503,794; Aug. 5.
Kugler, Benjamin, Chicago, Ill. Extensible screen. 1,503,538; Aug. 5.
Kuhn, George W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing system. 1,504,124; Aug. 5.
Kunzer, John J., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Deep-drilling machine. 1,503,836; Aug. 5.
Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Triphenylmethane dyes. 1,504,060; Aug. 5.
Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Diphenylnaphthylmethane dyes. 1,504,061; Aug. 5.
Lacy, Augustus D., et al. (See Young, George, assignor.)
Ladd, Allston C., El Paso, Tex. Humidifier. 1,504,062; Aug. 5.
Ladd, J. B. (See Kirkpatrick, Robert S., assignor.)
Lamble, Frederick W. (See Nelson, I. R., and Lamble.)
Lancaster, John A., Jersey City, N. J. Typewriter sheet. 1,503,837; Aug. 5.
Landis & Gyr A.-G. (See Mettler, Josef, assignor.)
Landro, Dominic, Hazleton, Pa. Flush valve. 1,503,655; Aug. 5.
Langer Werner, Berlin-Friedenau, and L. Neumann, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Tetrakisazo dyes. 1,504,125; Aug. 5.
Largman, Oppenheim & Co. (See Hugo, Emil J., assignor.)
La Rue, John B. (See Scofield, S. W., and La Rue.)
Lassell, Clarence K., East Providence, R. I. Refrigerator drain pipe. 1,504,126; Aug. 5.
Latham, Albert, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me. Making buttons. 1,503,539; Aug. 5.
Lawhead, James W., assignor to the Au-To Compressor Company, Wilmington, Ohio. Air compressor. 1,503,540; Aug. 5.
Lee, Ulysses G. (See Duncan, J. S., and Lee.)
Leibold, Luther D., Williamsburg, Ind. Draft appliance. 1,503,903; Aug. 5.
Lending, David M., Brooklyn, N. Y. Upholstery braid. Des. 65,377; Aug. 5.
Lenhart, William H., Lockridge, Okla. Cow poke. 1,504,063; Aug. 5.
Leverett, Dolly E., Kalamazoo, Mich. Stove-door attachment. 1,504,064; Aug. 5.
Le Vita, Harry H. (See Urdang, E., and Le Vita.)
Levy, Maurice. (See Curioni, Aldo, assignor.)
Lewis, Charles H., Denver, Colo. Automobile signal. 1,503,592; Aug. 5.
Lidgerwood Manufacturing Company. (See Wachter, Charles L., assignor.)
Lindbom, Carl G., Dover, N. H. Cigarette case. 1,504,128; Aug. 5.
Linendoll, Orrin J., Denver, Colo. Spring wheel. 1,503,593; Aug. 5.
Link Belt Company. (See Jaxon, George S., assignor.)
Llutott, Henry T., South San Francisco, and H. J. Charbonneau, San Francisco, Calif. Electrode holder. 1,503,541; Aug. 5.
Light, Bolliver L., Rogers, Ark. Front-axle radius rod. 1,504,127; Aug. 5.
Lighting Studios Company. (See Robinson, G. P., and Blackwell, assignors.)
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass. Means for producing woven reed articles. 1,503,904; Aug. 5.
Long, George R., Waterbury, Conn., assignor to Cordley & Hayes, New York, N. Y. Faucet. 1,503,656; Aug. 5.
Love, William R., Armour, N. C. Dispensing apparatus. 1,503,691; Aug. 5.
Lovejoy, Ralph M., Meredith, N. H. Brake-actuating mechanism. 1,503,838; Aug. 5.
Lower, Alfred P., Bradford, Ohio. Fishing-line float. 1,504,065; Aug. 5.
Lucia, Louis V., assignor to The Fuller Brush Company, Hartford, Conn. Hose-attaching device. 1,504,129; Aug. 5.
Lucia, Louis V. (See Rudolph, W. H., and Lucia.)
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for feeding and delivering top lifts. 1,503,542; Aug. 5.
Lutes, William, San Antonio, Tex. Automatic air-pressure gauge. 1,504,066; Aug. 5.
Lyhne, Anker S., Bridgeport, Conn. Vanity box. 1,503,760; Aug. 5.
Lytle, William O., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Glass-thickness gauge. 1,503,543; Aug. 5.
Macbeth, Colin, and H. Willshaw, Birmingham, assignors to The Dunlop Rubber Company, Limited, Westminster, London, England. Manufacture of solid rubber tires. 1,504,130; Aug. 5.
MacDonald, William W., San Francisco, Calif. Tractor. 1,503,658; Aug. 5.
Mackay, John, Audubon, N. J., assignor to Thomas Savill's Sons, Philadelphia, Pa. Nozzle-operated faucet. 1,504,131; Aug. 5.
Mackay, Richard, jr., Riverside, Ill., assignor to The Barrett Company. Centrifugal machine and process. 1,503,960; Aug. 5.
Mackie, Mitchell, Waukesha, Wis. Attachment for internal-combustion engines. 1,503,905; Aug. 5.
Madigan, Patrick J., Chicago, Ill. Tilting-box truck. 1,503,906; Aug. 5.
Madigan, Thomas J., New York, N. Y. Sadiron. 1,503,659; Aug. 5.
Madigan, Thomas J., New York, N. Y. Plug for sadirons. 1,503,389; Aug. 5.
Maignen, Prosper J. A., Philadelphia, Pa. Heating device. 1,503,907; Aug. 5.

Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Cowl ventilator. 1,503,840; Aug. 5.
Majestic Machine & Tool Co. (See Kasdan, N., and Pollack, assignors.)
Majors, Robert J., and H. Anderson, Coalinga, Calif. Combined sand and water trap. 1,503,544; Aug. 5.
Maloney, M. Josephine. (See Elspass, John H., assignor.)
Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone head set. 1,503,908; Aug. 5.
Manzer, Charley. (See Tatge, G. H., and Manzer.)
Manzer, Earl. (See Tatge, G. H., and Manzer.)
Margason, Albert S., San Jose, Calif. Windshield for closed motor cars. 1,503,510; Aug. 5.
Marsden, John E. (See Milliken, John A., assignor.)
Marsh, Albert, and H. P. Alais, London, England. Ticket-delivering machine. 1,503,841; Aug. 5.
Marshall, James L., Ercildoun, Pa. Mail bag. 1,503,961; Aug. 5.
Martin, Guy G., Mason City, Iowa. Vanity case. 1,503,594; Aug. 5.
Martin, Thomas A., Bridgeport, Conn. Automobile hoist. 1,503,795; Aug. 5.
Martin, William E., Scotgate, Stamford, England. Side-delivery rake and swath turner. 1,503,796; Aug. 5.
Masbruch, Henry, Platteville, Wis. Attachment for pumps. 1,503,909; Aug. 5.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Steering knuckle. 1,503,511; Aug. 5.
Matthews, James H., Pittsburgh, Pa. Die holder. 1,503,842; Aug. 5.
Matthies, John F., New York, N. Y. Meat-chopping machine. 1,504,067; Aug. 5.
McBee Binder Co., The. (See McBee, Charles F., assignor.)
McBee, Charles F., Athens, Ohio, assignor to The McBee Binder Co. Punching machine. 1,503,761; Aug. 5.
McBurney, Alex, et al. (See Wilson, Thomas H., assignor.)
McCampbell, Roy F., Chicago, Ill. Burial casket. 1,503,958; Aug. 5.
McCann, Edward, Chicago, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn. Curtain fastener. 1,503,989; Aug. 5.
McCarthy, Wilfrid J., Kenilworth, England. Magazine spanner. 1,503,692; Aug. 5.
McCauley, Ernest G., Dayton, Ohio. Synchronizing control mechanism for reversible-pitch propellers. Re-15,888; Aug. 5.
McFarlane, John, and D. Clelland, Glasgow, Scotland. Making screw-cutting taps. 1,503,959; Aug. 5.
McGee, William A., Cleveland, Ohio. Hot-water-supply system. 1,503,910; Aug. 5.
McHugh, James M. (See Ball, E., and McHugh.)
McHugh, Phillip M., Denver, Colo., assignor to The Dorr Company, Manufacturing sugar. 1,503,657; Aug. 5.
McIlvain, William G., Philadelphia, Pa. Salt and pepper shaker or similar article. Des. 65,378; Aug. 5.
McIlvain, William G., Philadelphia, Pa. Salt and pepper shaker or similar article. Des. 65,379; Aug. 5.
McLean, George H., Tampico, Mexico. Well stepper. 1,503,693; Aug. 5.
McPherson, Frank G., Beaver Falls, Pa. Bottle. 1,503,694; Aug. 5.
McPherson, Frank G., Beaver Falls, Pa. Treating glass. 1,503,695; Aug. 5.
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Automatic fuel controller for burners. 1,504,068; Aug. 5.
Meadows, Albert, and A. G. Sherman, assignors to Detroit Vapor Stove Company, Detroit, Mich. Oil stove. 1,503,660; Aug. 5.
Meagher, Francis J., New York, N. Y. Door hanger. 1,503,545; Aug. 5.
Mees, Charles E. K., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic records. 1,503,595; Aug. 5.
Menzies, Alan W. C., Princeton, N. J. Method and apparatus for obtaining repeated movement of a liquid and its vapor. 1,503,546; Aug. 5.
Messick, Charles, Brentwood, N. Y. Diaphragm. 1,503,696; Aug. 5.
Metropole, Tasso D., and T. M. Cottakis, New York, N. Y. Automatic typewriting machine. 1,503,697; Aug. 5.
Mettler, Josef, assignor to the Firm Landis & Gyr A.-G., Zug, Switzerland. Prepayment meter. 1,503,698; Aug. 5.
Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Automatic stop for bottle washers. 1,503,512; Aug. 5.
Michaelis, Lawrence H., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric locomotive. 1,503,699; Aug. 5.
Midgley, Albert H., Uxbridge, assignor to Midgley Car Lighting Company, Limited, London, England. Switch or switchboard for controlling electric circuits. 1,503,797; Aug. 5.
Midgley Car Lighting Company, Limited. (See Midgley, Albert H., assignor.)
Miehle Printing Press & Manufacturing Company. (See Blaine, Joseph R., assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)
Miehle Printing Press & Manufacturing Company. (See Stevens, Burt D., assignor.)
Miles, Eugene E., Akron, Ohio. Air gun. 1,503,913; Aug. 5.
Millberg, Lewis and V., Dassel, Minn. Combined bumper and fender brace and luggage carrier. 1,503,990; Aug. 5.
Millberg, Victor. (See Millberg, Lewis and V.)
Miller, Arthur, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company. Trough for poultry cars. 1,503,843; Aug. 5.
Miller, Frank, West Hoboken, N. J. Window-cleaning device. 1,504,069; Aug. 5.
Miller Rubber Company, The. (See Morton, H. A., and Harrison, assignors.)
Milliken, John A., Bayonne, assignor to J. E. Marsden, Egg Harbor City, N. J. Producing glassware. 1,503,962; Aug. 5.
Milwaukee Dairy Supply Manufacturing Company. (See Strandt, Gustav, assignor.)
Mininberg, Nathan, Minneapolis, Minn. Bran food flakes. 1,503,547; Aug. 5.
Mock, Hugo, New York, N. Y. Fireless cooker. 1,503,762; Aug. 5.
Moecker, Henry, jr., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo. Enameling. 1,503,991; Aug. 5.
Moline Plow Company. (See Dickinson, Hary S., assignor.)
Moline Plow Company. (See Howard, Otis W., assignor.)
Montgomery, Edward. (See Moore, Simmie L., assignor.)
Moody, Lucian B., Beadle County, S. Dak. Resilient wheel or track roller. 1,503,844; Aug. 5.
Moomy, Joseph G., assignor to M. H. Moomy, Erie, Pa. Tube-vulcanizing devices. 1,503,798; Aug. 5.
Moomy, Mary H. (See Moomy, Joseph G., assignor.)
Moore, Giles S., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Trolley wheel. 1,504,071; Aug. 5.
Moore, Giles S., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Trolley wheel. 1,504,072; Aug. 5.
Moore, Matthew S., assignor to Cowlishaw, Walker & Company, Limited, London, England. Coal-cutting machine. 1,503,992; Aug. 5.
Moore, Otto, assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Trolley wheels. 1,504,070; Aug. 5.
Moore, Simmie L., assignor of one-half to E. Montgomery, St. Louis, Mo. Disappearing bayonet. 1,504,073; Aug. 5.
Moore, Thomas J., Longview, Tex. Window shade. 1,503,700; Aug. 5.
Morgan & Wright. (See Cobb, Henry Z., assignor.)
Morrison, Andrew, Penn Township, Allegheny County, assignor to Dilworth, Porter and Company, Incorporated, Pittsburgh, Pa. Slide plate. 1,504,132; Aug. 5.
Morrison, John A., Mansfield, Ohio. Hoisting mechanism. 1,503,596; Aug. 5.
Morton, Harold A., and M. M. Harrison, assignors to the Miller Rubber Company, Akron, Ohio. Patch and making the same. 1,503,701; Aug. 5.
Morton, Harold A., Akron, Ohio. Rubber vulcanization and product thereof. 1,503,702; Aug. 5.
Morton, Thomas, Birmingham, England. Fastening of the button type. 1,503,799; Aug. 5.
Mosely, Maynard I., Wise River, Mont. Automatic cut-off device for locomotives. 1,503,763; Aug. 5.
Mowry, William F., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 65,380; Aug. 5.
Mowry, Willam F., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 65,381; Aug. 5.
Moyer, Charles O., Lock Haven, Pa. Amusement device. 1,503,548; Aug. 5.
Moyle, Edward H., Los Angeles, Calif. Grinding mill for rocks, ores, and like material. 1,503,703; Aug. 5.
Mueller Machine Tool Company, The. (See Mueller, Oscar W., assignor.)
Mueller, Oscar W., assignor to the Mueller Machine Tool Company, Cincinnati, Ohio. Grooving attachment for lathes. 1,504,133; Aug. 5.
Mullens, Chester P., and W. C. Argust, Taylorville, Ill. Surveying instrument. 1,503,704; Aug. 5.
Muller-Thym, Bernard, Kansas City, Mo. Sanctuary lamp. 1,503,661; Aug. 5.
Mummery, Charles S., assignor to The Ever Ready Company (Great Britain) Limited, London, England. Inert electric battery. 1,503,993; Aug. 5.
Mundell, Robert L., Oskaloosa, Iowa. Railway-crossing signal. 1,504,074; Aug. 5.
Munroe, Treadway B., Forest Glen, Md., assignor to C. F. Dahlberg, New Orleans, La. Apparatus for cooking pulp-making fibers. 1,503,549; Aug. 5.
Munsell, Eugene & Co. (See Heald, Eldon G., assignor.)
Murphy, John J., and A. T. Cann, Chicago, Ill., assignors, by mesne assignments, to Equipment Devices Company. Tank heater for poultry. 1,503,911; Aug. 5.
Murrin, John. (See Brewster, E. J., and Murrin.)
Narragansett Machine Company. (See Thornley, Albert E., assignor.)
National Aniline & Chemical Company. (See Cone, Lee H., assignor.)

National Aniline & Chemical Company. (See Hillyer, Homer W., assignor.)
National Aniline & Chemical Company. (See Kyrides, Lucas P., assignor.)
National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
National Manufacturing Company, The. (See Delahaye, W. H., and Vandecan, assignors.)
Natural Function Limbs Company. (See Harris, Romaine R., assignor.)
Neelmeier, Wilhelm, and K. Heusner, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Disazo dye. 1,504,134; Aug. 5.
Neilson, Lyon W. (See White, D. G. F., and Neilson.)
Nelson, Ira R., and F. W. Lambie, Minneapolis, Minn. Gymnastic apparatus. 1,503,550; Aug. 5.
Nemcovsky, Louis A., New York, N. Y. Typewriting machine and the elements thereof. 1,504,198; Aug. 5.
Nemcovsky, Louis A., New York, N. Y. Typewriting machine. 1,504,199; Aug. 5.
Nemcovsky, Louis A., New York, N. Y. Typewriting machine. 1,504,200; Aug. 5.
Nethercut, Edgar S. (See Colman, Howard D., assignor.)
Neumann, Ludwig. (See Lange, W., and Neumann.)
Newland, Barnet, New York, N. Y. Screw adapter for lighting fixtures. Des. 65,382; Aug. 5.
Newland, Barnet, New York, N. Y. Wall bracket. Des. 65,383; Aug. 5.
New Williams Mill Company. (See Sockwell, Charles L., assignor.)
Nice, Budd G., Ogontz, Pa. Band-punching machine. 1,503,551; Aug. 5.
Nicholson, T. W., et al. (See Wilson, Thomas H., assignor.)
Nickerson, William H., Brookline, Mass. Cushioned shoe. 1,503,764; Aug. 5.
Nilsson, Bernhard, Chicago, Ill. Safety automobile crank. 1,503,963; Aug. 5.
Norelius, Emil F., Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif. Roller truck frame for tractors. 1,503,597; Aug. 5.
Northwest Engineering Company. (See Burke, Paul, assignor.)
Norton, William A., Marshalltown, assignor of three-fourths to R. P. Norton, Algona, Iowa. Wrench. 1,503,662; Aug. 5.
Norton, Raymond P. (See Norton, William A., assignor.)
Novelty Amusement Co. (See Kerestes, George A., assignor.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telephone repeater circuits. 1,504,135; Aug. 5.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Oliver Chilled Plow Works. (See Altgelt, Herman E., assignor.)
Olm, George, New York, N. Y. Vehicle hub clutch. 1,503,845; Aug. 5.
Osmer, John E., assignor of one-half to W. F. Byerly, Owosso, Mich. Draft device for locomotives. 1,503,802; Aug. 5.
Ott, Harvey N., assignor to Spencer Lens Co., Buffalo, N. Y. Oblique-light diaphragm. 1,503,800; Aug. 5.
Otten, Lawrence F., Newport, Ky., assignor to The L. F. Otten Manufacturing Company, Cincinnati, Ohio. Buckle. 1,503,801; Aug. 5.
Otten, L. F., Manufacturing Company, The. (See Otten, Lawrence F., assignor.)
Pabmeyer, Frederick O., assignor to Heine Boiler Company, St. Louis, Mo. Form for molding or casting boiler baffles. 1,503,912; Aug. 5.
Paramount Rubber Consolidated, Inc. (See Roberts, Fred T., assignor.)
Parker, M. L., et al. (See Craver, Thomas G., assignor.)
Parker, Thomas L. Wibaux, Mont. Miles-per-gallon register. 1,503,552; Aug. 5.
Parker, William H., Broken Bow, Nebr. Chicken fount. 1,503,705; Aug. 5.
Parsons, Jay C., and L. W. Slivis, Chicago, Ill. Illuminating attachment for temperature indicators. 1,503,914; Aug. 5.
Parsons, Winslow A., Wellesley, Mass., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,384; Aug. 5.
Patent Pocket Corporation. (See Barrow, Alfred C., assignor.)
Patterson, Hannah L. H. (See Patterson, Louise H., and H. L. H.)
Patterson, Louise H. and H. L. H., Coronado, Calif. Sanitary dust bag. 1,504,136; Aug. 5.
Paul, Joseph N., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,504,075; Aug. 5.
Pearson, John, Chicago, Ill. Car construction. 1,503,513; Aug. 5.
Pearson, William H., and T. J. Kelly, Passaic, N. J., assignors to Brighton Mills. Machine for uniting threads or cords. 1,503,588; Aug. 5.
Pearson, William H., and T. J. Kelly, Passaic, N. J., assignors to Brighton Mills. Winding mechanism. 1,503,706; Aug. 5.
Pemberton, Elmer, Los Angeles, Calif. Heating and ventilating system. 1,503,803; Aug. 5.
Penney, Harold F. (See Frantz, C. C., and Penney.)
Penney, Harold F., assignor to Phillips & Clark Stove Co. Inc., Geneva, N. Y. Combination thermometer and oven-door handle. 1,503,994; Aug. 5.
Perkins Appliance Company. (See Perkins, J. L., and Deloghia, assignors.)
Perkins Appliance Company. (See Perkins, J. L., Sickles, and Craft assignors.)
Perkins, B. F., & Son, Inc. (See Bidwell, Paul W., assignor.)
Perkins, Julian L., West Springfield, and L. E. Deloghia, Agawam, assignors to Perkins Appliance Company, Springfield, Mass. Universal turning fixture. 1,503,995; Aug. 5.
Perkins, Julian L., West Springfield, F. W. Sickles, and H. D. Croft, assignors to Perkins Appliance Company, Springfield, Mass. Worm-cutting attachment for gear-broaching machines. 1,503,996; Aug. 5.
Perret, Joseph, assignor, by mesne assignments, to Societe Anonyme Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Protective device for alternating-current systems. 1,503,997; Aug. 5.
Peters, Arthur E. (See Ditson, J., and Peters.)
Peterson, Iver M., and D. C. J. Harris, Beaumont, Tex. Oil burner. 1,503,707; Aug. 5.
Petrik, Boniface, assignor to Société Petrik & Cie., St. Etienne, France. Sporting gun with superposed barrels. 1,504,137; Aug. 5.
Pettis, Clifton D., New York, N. Y. Brake shoe. 1,503,514; Aug. 5.
Pfannkuch, Wilhelm, Berlin-Niederschoenewelde, Germany, assignor to General Electric Company. Protective system. 1,503,998; Aug. 5.
Phelps, Edwin S., Montclair, N. J. Recording protector for safe locks and other objects. 1,504,138; Aug. 5.
Phillips & Clark Stove Co. (See Frantz, C. C., and Penney, assignors.)
Phillips & Clark Stove Co. (See Penney, Harold F., assignor.)
Phillips, James L., Ensley, Ala. Quick-adjustment chuck. 1,503,804; Aug. 5.
Phillips, John H., Chicago, Ill. Expansion shell. 1,503,515; Aug. 5.
Phillips, William F. R., Washington, D. C. Diaphragm. 1,504,139; Aug. 5.
Picard, George J., jr. (See Gastgeb, Charles, assignor.)
Pickard, Greenleaf, W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,503,765; Aug. 5.
Pictet, Lucien, and M. Cantoni, Geneva, Switzerland. Device for projecting and viewing stereoscopic pictures. 1,503,766; Aug. 5.
Pictnradio Corporation. (See Keen, Elliot, assignor.)
Piette, Olivier, Brussels, Belgium. Heat-exchange apparatus. 1,503,846; Aug. 5.
Pilcher, John A., Roanoke, Va. Six-wheel car truck. 1,503,847; Aug. 5.
Pittsburgh Plate Glass Company. (See Hileman, Austin C., assignor.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)
Poll, Louis, assignor of one-half to A. Blanc, Hamilton, Mich. Celery planter. 1,504,140; Aug. 5.
Pollack, Daniel. (See Kasden, N., and Pollack.)
Pompeian Romanza Corporation. (See Frederick, Joseph M., assignor.)
Porter, William A. V., New York, assignor to David Weil's Sons Lithographic Company, Brooklyn, N. Y. Collapsible carton. 1,503,516; Aug. 5.
Posner, August C., New Orleans, La. Dust-collector outlet. 1,503,915; Aug. 5.
Potter, Thomas I., East Orange, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Refrigerating apparatus. 1,503,598; Aug. 5.
Powell, Edwin L., Washington, D. C. Electrical condenser. 1,503,553; Aug. 5.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Metering arrangement for automatic telephone systems. 1,503,916; Aug. 5.
Powers, Louis P., Philadelphia, Pa. Headlight. 1,503,848; Aug. 5.
Price, Isaac H., Warren, Ohio. Manufacture of tapering metal disks. 1,504,076; Aug. 5.
Price, James W., assignor to Tulsa Invention Company, Tulsa, Okla. Air chuck. 1,503,663; Aug. 5.
Price, James W., assignor to Tulsa Invention Company, Tulsa, Okla. Hair clipper. 1,503,708; Aug. 5.
Proctor, James M., Shreveport, La. Bearing carrier nut. 1,503,849; Aug. 5.
Prosperity Co., The. (See Socia, Alexander J., assignor.)
Pruden, Harold M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube circuits. 1,503,709; Aug. 5.
Purtle, Albert D., Marietta, Ohio. Adjustable stuffing-box casing-head clamp. 1,503,554; Aug. 5.
Pusrin, Barnet, New York, N. Y. Ring. Des. 65,385; Aug. 5.
Raule, Clifford T., Philadelphia, assignor of one-half to W. S. Jackson, Bala, Pa. Electrically-operated carburetor. 1,503,555; Aug. 5.
Reed, Charles L., Rochester, N. Y. Fuel mixer for internal-combustion engines. 1,503,805; Aug. 5.

Rees, Charles E., Newtonville, Mass. Lock nut. 1,504,189; Aug. 5.
Rees, William E., Gananoque, Ontario, Canada, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Punching and riveting machine. 1,504,077; Aug. 5.
Reinhold, John J., Marietta, Pa. Folding voting booth. 1,504,078; Aug. 5.
Remy Auto Miser Company. (See Berard, Rene J., assignor.)
Remy Electric Company, The. (See Conklin, O. F., and Vanneman, assignors.)
Remy Electric Company. (See Conklin, Oliver F., assignor.)
Remy Electric Company. (See Kennington, William O., assignor.)
Reynolds, Frank E. (See Travers, William E., assignor.)
Reynolds, William F. (See Rogers, A. D., and Reynolds.)
Rezsny, Koloman, Budapest, Hungary. Furnace grate. 1,503,767; Aug. 5.
Rheinische Metallwaaren- und Maschinenfabrik. (See Romberg, Heinrich, assignor.)
Rhien, John O., Santa Cruz, Calif. Pavement-marking machine. 1,503,556; Aug. 5.
Rice, Leo S., Van Wert, Ohio. Dumping vehicle. 1,503,710; Aug. 5.
Richardson, Lawrence, Louisville, Ky. Six-wheel-truck bolster. 1,503,517; Aug. 5.
Richardson, Ralph B., Peoria, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio. Governor for controlling gas flow. 1,503,664; Aug. 5.
Richmond Lace Works. (See Parsons, Winslow A., assignor.)
Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Company. Index device. 1,503,557; Aug. 5.
Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Company. Visible index. 1,503,558; Aug. 5.
Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Co. Visible-index-card carrier. 1,503,559; Aug. 5.
Ritter, Nathan, Brooklyn, N. Y. Clip. 1,504,141; Aug. 5.
Roberts, Albert O., New Kensington, Pa. Internal-combustion engine. 1,504,142; Aug. 5.
Roberts, Fred T., Cleveland, Ohio. Method of and apparatus for making annular sheets of rubber. 1,503,665; Aug. 5.
Roberts, Fred T., Philadelphia, Pa. Mold for making hollow articles of plastic material. 1,503,666; Aug. 5.
Roberts, Fred T., Yonkers, assignor to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Inflatable sheet-rubber toy. 1,504,079; Aug. 5.
Roberts, William E., Andover, Mass. Making hollow rubber articles. 1,503,667; Aug. 5.
Roberts, William E., Kenosha, Wis. Toothbrush. 1,504,143; Aug. 5.
Robertson, Jesse J. (See Howe, C. W., and Robertson.)
Robey, Ernest W., London, England. Ash conveyer comprising chains guided by sprocket wheels. 1,503,711; Aug. 5.
Robinson, Grosvenor P., Summit, and W. T. Blackwell, Westfield, N. J.; said Robinson assignor of one-half to Lighting Studios Company, New York, N. Y. Arm for lighting fixtures. Des. 65,386; Aug. 5.
Rockefeller, William, and F. J. Gayda, Detroit, Mich. Oil burner. 1,503,850; Aug. 5.
Rodger Ballast Car Company. (See Hoscelt, William J., assignor.)
Rodi, Anthony, Hammonton, N. J. Overturning prevention for tractors. 1,503,851; Aug. 5.
Roesch, Alfred, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Automatic controller. 1,504,080; Aug. 5.
Rogers, Arthur D., and W. F. Reynolds; said Reynolds assignor of two-tenths to said Rogers and one-tenth to G. W. Durham, Dayton, Ohio. Machine for receiving fares, delivering fare tokens or coins, and issuing transfers or tickets. 1,503,852; Aug. 5.
Romberg, Heinrich, Dusseldorf, assignor to the Firm of Rheinische Metallwaaren- und Maschinenfabrik, Dusselderf-Derendorf, Germany. Projectile. 1,504,144; Aug. 5.
Rose, Fred L., Concord, Calif. Automobile direction signal. 1,503,806; Aug. 5.
Ross, Taylor W., Madison, Ind. Calculating machine. 1,503,810; Aug. 5.
Rothenberger, George M., assignor to Ideal Electric & Manufacturing Company, Mansfield, Ohio. Dynamo-electric machine. 1,504,145; Aug. 5.
Roupp, John, Hesston, Kans. Stocking supporter. 1,504,146; Aug. 5.
Royce, Charles F., assignor to Heminway & Bartlett Silk Co., Watertown, Conn. Thread retainer for spooling guides. 1,503,853; Aug. 5.
Ruby, Harry W., Springfield, Ohio. Cut-out. 1,503,917; Aug. 5.
Ruby, Harry W., Springfield, Ohio. Cut-out operator. 1,503,918; Aug. 5.
Rudlin, Frederick W. (See Wilhelm, R. H., and Rudlin.)
Rudolph, Walter H., and L. V. Lucia, assignors to The Fuller Brush Company, Hartford, Conn. Faucet reducer. 1,504,147; Aug. 5.
Rudolph, Walter H., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Screw-eye-affixing machine. 1,504,148; Aug. 5.
Rudolph, Wilhelm, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Protective device in sound signaling apparatus. 1,503,599; Aug. 5.
Rudqvist, Carl A., Staket, assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Spark-plug valve for petroleum and crude-oil engines. 1,503,560; Aug. 5.
Ruffio, Louis, New York, N. Y. Attachment for hair-drying machines. 1,504,149; Aug. 5.
Ruggles, Clifton P., McCloud, Calif. Brake. 1,503,561; Aug. 5.
Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper carrier for cigar machines. 1,503,768; Aug. 5.
Ryan, Frederick, San Antonio, Tex. Circuit closer for alarms. 1,503,562; Aug. 5.
Ryan, George M., Emo, Ontario, Canada. Armor-piercing projectile. 1,503,769; Aug. 5.
Ryerson, Joseph T., & Son. (See Kunzer, John J., assignor.)
Saco-Lowell Shops. (See Clark, George T., assignor.)
Sadler, John, Rockford, Iowa. Adjustable tongue hound. 1,503,712; Aug. 5.
Sager, Andrew J., Winchester, Va. Cone timer for internal-combustion engines. 1,503,600; Aug. 5.
Sanders, William H., Winnsboro, S. C. Thread guide. 1,503,713; Aug. 5.
Sargent, Sumner B. and S. B., jr., Huntington Park, Calif. Pumping apparatus and operating the valved plunger of a well pump. 1,503,602; Aug. 5.
Sargent, Sumner B., Huntington Park, Calif. Pump hanger. 1,503,601; Aug. 5.
Sargent, Sumner B., jr. (See Sargent, Sumner B. and S. B., jr.)
Saunders, Jesse C. (See Saunders, John L. and J. C.)
Saunders, John L. and J. C., assignors of one-fourth to W. W. Barrett and one-fourth to E. R. Barrett, Sedalia, Mo. Permutation lock. 1,503,807; Aug. 5.
Saunders, William M., Waterbury, Conn., assignor to The Hoge Manufacturing Company, New York, N. Y. Propel pencil. 1,503,964; Aug. 5.
Savill's, Thomas, Sons. (See Mackay, John, assignor.)
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Dynamometer Company. Gearing. 1,503,919; Aug. 5.
Scharpenberg, Charles C., Bakersfield, and L. G. Gates, Whittier, Calif. Oil-well pump. 1,504,081; Aug. 5.
Scherer, Francis R. (See Tracy, J. M., and Scherer.)
Schlitz, Bernard P., assignor to The P. A. Geier Company, Cleveland, Ohio. Arbor press. 1,503,668; Aug. 5.
Schloemann, Eduard, Duren, Germany. Manufacture of paper for photographic purposes. 1,504,150; Aug. 5.
Schneebeli, Emil, Los Angeles, Calif. Roller mounting. 1,503,920; Aug. 5.
Schneider, Frank G., Brooklyn, N. Y. Sound-producing device. 1,503,518; Aug. 5.
Schnipper, Nathan, and R. Brody, New York, N. Y. Folding baby carriage. 1,503,714; Aug. 5.
Schnitger, Rex G., Gillette, Wyo. Cinch strap. 1,503,715; Aug. 5.
Schönwald, Gustav. (See Goldsmith, H., and Schönwald.)
Schuchardt, Rudolph F., Chicago, Ill., assignor to General Electric Company. Meter. 1,504,082; Aug. 5.
Schultz, Herman F. C., Youngstown, Ohio. Attachment for antiskid devices. 1,503,808; Aug. 5.
Schulz, Paul, Bodenbach-on-the-Elbe, and J. Jakowitsch, Komotau, Czechoslovakia. Chuck with wedge jaws. 1,503,809; Aug. 5.
Schwartz, Benjamin, assignor to Gelberg & Schwartz, New York, N. Y. Embroidered textile fabric. Des. 65,387; Aug. 5.
Schwartz, Benjamin, assignor to Gelberg & Schwartz, New York, N. Y. Embroidered textile fabric. Des. 65,388; Aug. 5.
Schweinert, Maximilian C. (See Kraft, H. P., and Schweinert.)
Scofield, Sherman W., and J. B. La Rue, Cleveland, Ohio; said La Rue assignor to said Scofield. Producing crystalline aluminum sulphate, 1,503,603; Aug. 5.
Scottish Dyes, Limited. (See Thomas, John, assignor.)
Scovill Manufacturing Company. (See McCann, Edward, assignor.)
Scullin Steel Co. (See Doerr, Harry E., assignor.)
Seattle Luminous Products Corporation. (See Conger, H. M., and Travis, assignors.)
Seek, Willy, Berlin-Wilmersdorf, Germany. Vacuum tank for measuring petrol consumption. 1,504,151; Aug. 5.
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose ether. 1,503,604; Aug. 5.
Seelau, Frank, New York, N. Y. Receiving device for electric phonographs and the like. 1,503,854; Aug. 5.
Seyferth, Otto A., Fairmont, W. Va. Conveyer apparatus. 1,503,716; Aug. 5.
Sharaf, R. M., Machine Co. (See Sharaf, Ralph M., assignor.)
Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Variable-width two-needle sewing machine. 1,503,921; Aug. 5.

Shaw, John K., Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Sound-deadening fiber board 1,503,605; Aug. 5.
Sheal, Robert E., Cleveland, Ohio. Conveying machinery 1,503,999; Aug. 5.
Shell, William, et al. (See Bryant, John W., assignor.)
Sheras, Morris, assignor to A. D. Joslin Manufacturing Co., Chicago, Ill. Hand stamp. 1,503,519; Aug. 5.
Sherman, Alvin G. (See Meadows, A., and Sherman.)
Sherrill, Mary L. (See Bradner, D. B., and Sherrill.)
Sherwood, John W. (See Fortier, J. J., and Sherwood.)
Shroyer, Jacob L., Chicago, Ill., assignor to Edison Electric Appliance Company, Inc. Electric heater 1,504,083; Aug. 5.
Sickles, Frank W. (See Perkins, J. L., Sickles, and Croft.)
Signal Gesellschaft m. b. H. (See Rudolph, Wilhelm, assignor.)
Silvis, Louie W. (See Parsons, J. C., and Silvis.)
Simmons, Leo, Washington, D. C. Spray head for shower baths. 1,504,000; Aug. 5.
Simon, Louis H., Seattle, Wash. Telescopic side port loading chute. 1,503,669; Aug. 5.
Singleton, Herbert E., Melbourne, Victoria, Australia Bench vise. 1,503,606; Aug. 5.
Skidmore, Benjamin, jr., Chicago, Ill. Return-line vacuum pump for steam-heating systems. 1,503,[illegible]; Aug. 5.
Skvarenina, Julius, assignor to P. Flaska, G. Sojak, J. Flaska, and J. Skvarenina, in trust for the Partnership known as the American Bent Wood Chair Company, Chicago, Ill. Bent-wood chair. Des. 65,389; Aug. 5.
Skvarenina, Julius, et al., in trust. (See Skvarenina, Julius, assignor.)
Slack, Albert N., Bakersfield, Calif. Lawn sprinkler. 1,504,152; Aug. 5.
Slater, Andrew L., Garfield, Utah. Pipe wrench. 1,504,153; Aug. 5.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-pressure impulse system. 1,503,922; Aug. 5.
Slaymaker Electric Welding Company. (See Slaymaker, R. K. and G. D., and Bourke, assignors.)
Slaymaker, George D. (See Slaymaker, R. K. and G. D., and Bourke.)
Slaymaker, Robert K. and G. D., and T. N. Bourke, assignors to Slaymaker Electric Welding Company, Detroit, Mich. Ventilator. 1,503,607; Aug. 5.
Slinguff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Edge holding and forming device for sheet-glass machines. 1,503,608; Aug. 5.
Slough, Frank M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone switching system. 1,503,923; Aug. 5.
Smalley, Charles E., Sioux City, Iowa. Support. 1,504,154; Aug. 5.
Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Numbering head. 1,503,924; Aug. 5.
Smith, Charles A., Redfield, S. Dak. Grinding machine. 1,503,770; Aug. 5.
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Indicator. 1,503,609; Aug. 5.
Smith, Harry O., Los Angeles, Calif. Clipper. 1,504,155; Aug. 5.
Smith, Henry, Richmond, Va. Binding. 1,503,771; Aug. 5.
Smith, Paul C., et al. (See Wilson, Thomas H., assignor.)
Smith, Robert B., Broken Bow, Nebr. Dental tool. 1,503,610; Aug. 5.
Smart, Rupert B., Chicago, Ill. Addressing machine. 1,503,966; Aug. 5.
Smith, S. Morgan, Company. (See Felthousen, John H., assignor.)
Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus and system. 1,503,717; Aug. 5.
Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,503,718; Aug. 5.
Smith, William H., East Cleveland, Ohio, assignor to Electro Metallurgical Company. Alloy for high-temperature use. 1,503,772; Aug. 5.
Snook, Frederick J., Salisbury England. Cover and opening of hermetically-sealed tins. 1,503,855; Aug. 5.
Socia, Alexander J., assignor to The Prosperity Co. Inc., Syracuse, N. Y. Flexible coupling for pressing machines. 1,503,925; Aug. 5.
Societe Anonyme Forges & Ateliers de Constructions Electriques de Jeumont. (See Perret, Joseph, assignor.)
Societe Marqcol. (See Col, Albert, assignor.)
Société Petrik & Cie. (See Petrik, Boniface, assignor.)
Sockwell, Charles L., assignor to New Williams Mill Company, Incorporated, Northwilkesboro, N. C. Wood-sawing attachment for tractors. 1,503,856; Aug. 5.
Sojak, Gustav, et al, in trust. (See Skvarenina, Julius, assignor.)
Solvay Process Company, The. (See Cocksedge, Herbert E., assignor.)
Somers, Helen C. Jersey City, N. J. Sanitary attachment for telephone mouthpieces. 1,504,156; Aug. 5.
Sowers, William A., Akron, Ohio. Lacing device. 1,504,157; Aug. 5.
Soyez, Emile, Paris, France. Powder box. 1,504,001; Aug. 5.
Spaulding, William J., Gold Bar, Wash. Bottle carrier. 1,504,158; Aug. 5.
Spencer, John R., Erie, Pa. Reversing mechanism for washing-machine drives. 1,504,084; Aug. 5.
Spencer Lens Co. (See Ott, Harvey N., assignor.)
Spot Light License Plate and Mfg. Co. (See Kramer, William, assignor.)
Sprangers, Mathias, Milwaukee, Wis. Kettle-cover holder. 1,503,857; Aug. 5.
Springer, Russell S., assignor to The Holt Manufacturing Company, Stockton, Calif. Detachable shoe for endless tracks. 1,503,611; Aug. 5.
Stanwood Equipment Company. (See Stanwood, Frank H., assignor.)
Stanwood, Frank H., Wilmette, assignor to Stanwood Equipment Company, Chicago, Ill. Step plate. 1,503,773; Aug. 5.
Stäubli, John, Syracuse, N. Y. Refuse receptacle. 1,503,926; Aug. 5.
Steam Pressing Iron Company. (See Hoffman, Louis, assignor.)
Stearns, H. G. (See Evans, C. E., and Angelsberg, assignors.)
Stein, Theodor, Schoneiche, Germany, assignor to General Electric Company. Power installation. 1,504,160; Aug. 5.
Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Wet-towel winder. 1,503,858; Aug. 5.
Steiner Sales Company. (See Steiner, George A., assignor.)
Steinhart, Hermann, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Bell-shaped magnet. 1,504,159; Aug. 5.
Stelter, Francis C. W., Long Island City, N. Y. Glove-cleaning machine. 1,503,719; Aug. 5.
Sternau, S., & Company. (See Kranich, Herbert, assignor.)
Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Side-guide mechanism. 1,503,520; Aug. 5.
Stiansen, Anton P., Brooklyn, N. Y. Chain. 1,503,774; Aug. 5.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler for looms. 1,503,860; Aug. 5.
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Tubular rivet and the like article. 1,503,859; Aug. 5.
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet guide. 1,503,861; Aug. 5.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stone, Guy B., Chicago, Ill. Governing device. 1,504,161; Aug. 5.
Stoop, William J., Wheeling, W. Va. Sheet-bar-handling mechanism. 1,503,670; Aug. 5.
Strandt, Gustav, assignor to Milwaukee Dairy Supply Manufacturing Co., Milwaukee, Wis. Feeder for bottles and similar receptacles. 1,503,521; Aug. 5.
Strasser, Richard H., Washington, D. C. Indoor golf system. 1,503,720; Aug. 5.
Strauss, Joseph, assignor to A. Kaplan, New York, N. Y. Automobile. 1,503,721; Aug. 5.
Strickland, DeWitt W., Tylertown, Miss. Harrow. 1,503,722; Aug. 5.
Strom, Ernest E., Colome, S. Dak. Clutch mechanism for power-driven tools. 1,503,723; Aug. 5.
Strom, Peder, Chicago, and V. Ganleany, Bluford, Ill. Fishing tool. 1,503,724; Aug. 5.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, R. H., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Slough, Frank M., assignor.)
Subert, Joseph, Oak Park, and A. Jedlicka, Berwyn, Ill. Fishing device. 1,503,967; Aug. 5.
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Superheater Company, The. (See Birmingham, Thomas F., assignor.)
Sutherland, Holton J. (See Sutherland, John H. and H. J.)
Sutherland, John H. and H. J., assignors to J. H. Sutherland & Company, Swampscott, Mass. Pattern-binding machine. 1,503,862; Aug. 5.
Sutherland, J. H., & Company. (See Sutherland, John H. and H. J., assignors.)
Swift, Joseph H., North Attleboro, Mass. Charm or similar article. Des. 65,390; Aug. 5.
Swiggart, Will D. (See Harris, N. E., and Swiggart.)
Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
Tagliabue, Charles J., Manufacturing Co. (See Roesch, Alfred, assignor.)
Tallman, William J., and C. J. Bacon, Buffalo, assignors to Dupont Fibersilk Company, Tonawanda, N. Y. Drum for spinning machines. 1,503,671; Aug. 5.
Tally, Percy L., Williamston, S. C. Peanut warmer. 1,503,927; Aug. 5.
Tanner, Daniel R., La Grande, Oreg. Pulley manipulator. 1,503,928; Aug. 5.

Tatge, George H., C. Manzer, and E. Manzer, Norfolk, Nebr. Collapsible crate. 1,504,162; Aug. 5.
Taylor, Frederick L., Spokane, Wash. Tire grip. 1,503,725; Aug. 5.
Taylor, Kinsey R., Patapsco, Md. Bean-snipping machine. 1,503,612; Aug. 5.
Taylor, Walter J., Detroit, Mich. Emergency or auxiliary brake. 1,503,522; Aug. 5.
Taylor, William L., Cincinnati, Ohio. Paper manufacture. 1,503,613; Aug. 5.
Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
Texas Company, The. (See Hall, Frank W., assignor.)
Theiss, John H., Parlin, N. J. Device for instruction in automobile driving. 1,504,163; Aug. 5.
Thill, Joseph R. (See Washburn, H. G., Johnson, and Thill.)
Thomas, Hezekiah L., Baltimore, Md. Railway tie. 1,503,563; Aug. 5.
Thomas, John, assignor to Scottish Dyes, Limited, Carlisle, England. Manufacture of dyestuff intermediates. 1,504,164; Aug. 5.
Thomas, John, assignor to Scottish Dyes, Limited, Carlisle, England. Manufacture of quinizarine and the like. 1,504,165; Aug. 5.
Thomas, William C., J. C. Dickens, and J. W. Fowler, Houston, Tex. Pipe-supporting slip. 1,503,523; Aug. 5.
Thompson, Fred W., Palms, assignor of one-half to B. C. Hunnicutt, Los Angeles, Calif. Grade meter. 1,503,672; Aug. 5.
Thompson, John, assignor of one-half to G. C. Hume, Chilton, Wis. Locking bung. 1,503,726; Aug. 5.
Thompson, Parke H. (See Headley, B. T., Thompson, and Du Bois.)
Thompson, Rena M., executrix. (See Headley, B. T., Thompson, and Du Bois.)
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electrostatic condenser. 1,504,002; Aug. 5.
Thomson Electric Welding Company. (See Hall, Preston M., assignor.)
Thomson, John, Brooklyn, and F. A. J. Fitzgerald, Niagara Falls, N. Y. Electric furnace and precipitator for producing oxide of zinc. 1,503,564; Aug. 5.
Thomson, Judson L., Manufacturing Co. (See Rees, William E., assignor.)
Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Basket-ball back stop. 1,504,166; Aug. 5.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Clamp. 1,503,863; Aug. 5.
Tracy, John M., and F. R. Scherer, Rochester, N. Y. Combined floor-covering and base strip. 1,503,929; Aug. 5.
Travers, William E., Oakland, assignor of one-fourth to F. E. Reynolds, Piedmont, Calif. Steam generator. 1,503,614; Aug. 5.
Travis, Asher O. (See Conger, H. M., and Travis.)
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Electrical protecting apparatus. 1,504,193; Aug. 5.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Container and producing it. 1,504,194; Aug. 5.
Trolley Shoe-Wheel Company. (See Moore, Giles S., assignor.)
Trolley Shoe-Wheel Company. (See Moore, Otto, assignor.)
Trout, Walter C., Lufkin, Tex. Safety expansion brake drum. 1,504,167; Aug. 5.
Trumbull, Austin F., Portland, Oreg. Fan attachment for flash lights. 1,504,003; Aug. 5.
Tsagris, Christos B., Boston, Mass. Route indicator for vehicles. 1,503,727; Aug. 5.
Tulsa Invention Company. (See Price, James W., assignor.)
Turnbull, William, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor suspension. 1,503,615; Aug. 5.
Tyler, Thaddeus F., Haverhill, Mass. Wood-heel clamp. 1,503,728; Aug. 5.
Union Switch & Signal Company, The. (See Castleman, Frank M., assignor.)
Union Switch and Signal Company, The. (See Day, Albert V. T., assignor.)
Union Switch & Signal Company, The. (See Johnson, Ira K., assignor.)
United Shoe Machinery Corporation. (See Christy, Frank W., assignor.)
United Shoe Machinery Corporation. (See Forsyth, William R., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United States Ordnance Company. (See Smith, George L., assignor.)
Upton, Charles B., Piqua, Ohio. Drainage plate for expressing presses. 1,503,673; Aug. 5.
Urdang, Edward, and H. H. Le Vita, New York, N. Y. Perforating machine. 1,503,674; Aug. 5.
Usuelli, Celestino, Milan, Italy. Construction of semi-rigid airships. 1,503,729; Aug. 5.
Vandecan, Edouard. (See Delahaye, W. H., and Vandecan.)
Vanneman, John A. (See Conklin, O. F., and Vanneman.)
Vaughan & Bushness Manufacturing Co. (See Johns, Luther, assignor.)
Vesdal Creations, Inc. (See Vives, Edward R., assignor.)
Vial, Frederick K., La Grange, assignor to Griffin Wheel Company, Chicago, Ill. Crane. 1,503,675; Aug. 5.
Viebrock, Carl H., and H. W., Douglas, Wash. Grain bin. 1,504,168; Aug. 5.
Viebrock, Henry W. (See Viebrock, Carl H., and H. W.)
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Coil-winding machine. 1,504,004; Aug. 5.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Coil-winding machine. 1,504,005; Aug. 5.
Villiers, William F. (See Amos, A. J., and Villiers.)
Vives, Edward R., assignor to Vesdal Creations, Inc., New York, N. Y. Lock. 1,503,565; Aug. 5.
Vogt, Charles H., assignor to E. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Meat product and making the same. 1,503,864; Aug. 5.
Vogt, E. G., & Sons, Incorporated. (See Vogt, Charles H., assignor.)
Voll, Charles H., Seattle, Wash. Automobile traffic signal. 1,503,676; Aug. 5.
Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. Re-15,883; Aug. 5.
Wachter, Charles L., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Dirigible-balloon control for landing. 1,503,730; Aug. 5.
Walker, Joseph B., Los Angeles, Calif. Producing multiply exposed motion-picture films. 1,503,731; Aug. 5.
Wallenstein, Leo, Brooklyn, N. Y. Means for controlling dating stamps. 1,503,566; Aug. 5.
Walling, Samuel E., assignor to Harvesting Machinery Improvement Company, Bellingham, Wash. Harvesting machine. 1,503,732; Aug. 5.
Wallis, Lewis E., and L. Higgins, Monrovia, Calif. Rope fastener. 1,503,567; Aug. 5.
Walther, Georg, Zella-Mehlis, Germany. Automatic pistol with cock lock. 1,503,568; Aug. 5.
Warburton, Frank G., London, England. Controlling means for controlling a series of electric motors. 1,503,677; Aug. 5.
Warmoth, Urcy M., Indianapolis, Ind. Electrical control for engraving machines. 1,503,733; Aug. 5.
Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
Washburn, Howard G., L. G. Johnson, and J. R. Thill, Flat River, Mo., assignors to American Manganese Steel Company, Chicago, Ill. Toothed cutter lip. 1,503,866; Aug. 5.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watson, Harold L., New Brunswick, N. J. Heating system for mammoth incubators. 1,503,569; Aug. 5.
Watson, Joseph R. (See Brown, J. A., and Watson.)
Weaver, Cartter, Pittsburgh, Pa. Collar button. 1,503,867; Aug. 5.
Weaver, Dunham A., Elmira, N. Y. Liquid-fuel-distributing tank. 1,504,006; Aug. 5.
Weaver, William L., Swissvale, Pa. Rail seat. 1,503,775; Aug. 5.
Weckman, François, Herstal, Belgium. Lubricating device. 1,504,169; Aug. 5.
Weed, Gustavus R., East Orange, N. J. Eye screen. 1,503,868; Aug. 5.
Welhenmeyer, Friedrich, Zuffenhausen, Germany. Device for improving the fullness of sound at the striking of timepieces and clocks hanging on the wall. 1,503,570; Aug. 5.
Weil, Ludwig, Biebrich-on-the-Rhine, Germany. Centrifugal pump or blower. 1,503,776; Aug. 5.
Weil's, David, Sons Lithographic Company. (See Porter, William A. V., assignor.)
Weins, Anthony C., Racine, Wis. Collapsible megaphone. 1,504,170; Aug. 5.
Wells, William S., South Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Controller for looms. 1,503,524; Aug. 5.
West, James A., Winter Haven, Fla. Railway-crossing signal. 1,503,930; Aug. 6.
West Virginia Rail Company, The. (See Diehl, Herman H., assignor.)
Western Electric Company. (See Fry, Thornton C., assignor.)
Western Electric Company. (See Pruden, Harold M., assignor.)
Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Gear and Dynamometer Company. (See Schmidt, Henry F., assignor.)
Weston, Edward, Hillside, N. J. Switch. 1,503,869; Aug. 5.
Whitall-Tatum Company. (See Headley, B. T., Thompson, and Du Bois, assignors.)
White, D'Orsay M., Detroit, Mich. Universal joint and housing. 1,503,571; Aug. 5.

White, Douglas G. F., Newton Abbot, England, and L. W. Neilson, Glasgow, Scotland. Valvular arrangement of internal-combustion engines. 1,504,195; Aug. 5.
White, Harold E., Montclair, assignor to Crocker-Wheeler Company, Ampere, N. J. Electric switch. 1,504,171; Aug. 5.
White Mop Wringer Company. (See Elffe, James M., assignor.)
White, William E., Chicago, Ill. Concrete hanger. 1,503,572; Aug. 5.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foudries, Chicago, Ill. Forming forged fulcrums. 1,503,573; Aug. 5.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Slack-adjuster mechanism. 1,503,574; Aug. 5
Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor construction. 1,503,616; Aug. 5.
Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Self-laying track mechanism. 1,503,617; Aug. 5.
Wicksteed, Charles, Kettering, England. Bread and butter machine. 1,504,008; Aug. 5.
Wight, Sedgwick N., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,504,173; Aug. 5.
Wightman, Sherburne H., Birmingham, Mich., assignor, by mesne assignments, to International Concrete Corporation, Wilmington, Del. Wall and brick therefor. 1,503,931; Aug. 5.
Wilcox, Merrill M., assignor to Wilcox Motor Parts & Manufacturing Co., Saginaw, Mich. Seat construction for cam followers. 1,503,865; Aug. 5.
Wilcox Motor Parts & Manufacturing Co. (See Wilcox, Merrill M., assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Gripping mechanism. 1,503,777; Aug. 5.
Wilkinson, Charles H., Hull, England. Float-operated valve or cock. 1,503,734; Aug. 5.
Willcox, Frederick H., assignor to Freyn, Brassert & Company, Chicago, Ill. Bin structure. 1,503,576; Aug. 5.
Willey, Jerry, Des Moines, Iowa. Silo structure and anchoring means therefor. 1,504,172; Aug. 5.
Williams, Emma, Greencastle, Ind. Bobbin holder. 1,504,007; Aug. 5.
Williams, Herman P., St. Louis, Mo. Mud press. 1,503,575; Aug. 5.
Willshaw, Harry. (See Macbeth, C., and Willshaw.)
Wilms, Hermann, assignor, by mesne assignments, to R. E. Funsten Company, St. Louis, Mo. Nut-cracking machine. 1,504,009; Aug. 5.
Wilson, Ernest L., London, England. Curtain runner. 1,503,578; Aug. 5.
Wilson, Thomas H., assignor of one-fourteenth to W. R. Batley, one-fourteenth to A. McBurney, one-fourteenth to G. A. Dahl, one-fourteenth to E. L. Jack, one-fourteenth to A. N. Jack, one-fourteenth to T. W. Nicholson, and one-fourteenth to P. C. Smith, Brawley, Calif. Water distributor. 1,503,736; Aug. 5.
Wilson, William D., Belzoni, Miss. Cotton Tramper. 1,504,196; Aug. 5.
Wilhelm, Russell H., Easton, Pa., and F. W. Rudlin, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,503,932; Aug. 5.
Williams, Peter K., Columbus, Ohio. Mechanical toy. 1,503,735; Aug. 5.
Williams, William E., Wilmette, Ill. Bumper for automobiles. 1,503,969; Aug. 5.
Willis, Prior F., St. Louis, Mo. Gas burner or torch. 1,503,968; Aug. 5.
Wilson, George W., Hopkinsville, Ky. Agricultural device. 1,503,970; Aug. 5.
Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,504,174; Aug. 5.
Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Apparatus for making drill steels. 1,503,678; Aug. 5.
Wingquist, Sven G., Gottenborg, Sweden. Hydraulic coupling and change-speed gear. 1,503,618; Aug. 5.
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Witham, George S., jr., Hudson Falls, N. Y. Paper-machine drive. 1,503,679; Aug. 5.
Wood, Lyndon D., Bala, Pa., assignor to Fototone Co., Inc., Rochester, N. Y. Coating composition. 1,504,175; Aug. 5.
Woodall, John R., Chavies, Ala. Wagon brake. 1,503,933; Aug. 5.
Woodson, Robert E., Webster Groves, Mo. Machine for cracking nuts. 1,503,577; Aug. 5.
Woodward, Herbert S., Carbondale, Pa. Incinerator. 1,503,737; Aug. 5.
Wright, James, New York, N. Y. Lock. 1,504,176; Aug. 5.
Wright, Parvin. (See Gerrard, A. J., and Wright.)
Wyatt, Ross E., Mansfield, Ohio. Toy vehicle. 1,504,177; Aug. 5.
Young, George, assignor of one-third to A. D. Lacy, and one-third to R. C. Denington, London, England. Production of ethers of carbohydrates. 1,504,178; Aug. 5.
Young, Willie R., Bainbridge, Ga. Scaffold. 1,503,778; Aug. 5.
Young, Wilmer L., Heaton, N. Dak. Hog gambrel. 1,503,738; Aug. 5.
Youngs, Carl V. (See Furman, C. V., and Youngs.)
Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
Zdechlik, Carl S., Minneapolis, Minn. Sausage-link-forming machine. 1,504,010; Aug. 5.
Zeh, Edmund W., Newark, N. J. Tile press. 1,503,619; Aug. 5.
Zeiss, Firm Carl. (See Eppenstein, Otto, assignor.)
Zeiss, Firm Carl. (See König, Albert, assignor.)
Zesbaugh, Lawrence G., Minneapolis, Minn. Tractor attachment. 1,503,620; Aug. 5.
Zürcher, Gottlieb, Zurich, Switzerland. Flaying knife. 1,503,739; Aug. 5.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator and brake controlling mechanism, Combined. W. Davis. 1,503,525; Aug. 5.
Acid and its derivatives, Production of o-nitro-o-aminophenol-p-sulphonic. H. W. Hillyer. 1,504,044; Aug. 5.
Acid, Manufacture of 2.3-hydroxynaphtboic. L. H. Cone. 1,503,984; Aug. 5.
Acids, Manufacture of aromatic sulphonic. F. A. Canon. 1,503,937; Aug. 5.
Adding machine. W. K. Harris. 1,504,120; Aug. 5.
Addressing machine. R. B. Smart. 1,503,966; Aug. 5.
Adhesive pot. F. H. Ganse. 1,503,118; Aug. 5.
Aeroplane. V. E. Heywood. 1,503,950; Aug. 5.
Agricultural device. G. W. Wilson. 1,503,970; Aug. 5.
Air chuck. J. W. Price. 1,503,663; Aug. 5.
Air compressor. J. W. Lawhead. 1,503,540; Aug. 5.
Air-conditioning device. B. S. Harrison. 1,503,755; Aug. 5.
Aircraft construction. C. Dornier. 1,504,106; Aug. 5.
Airplane wings, Apparatus for doping. F. O. Clements. 1,503,478; Aug. 5.
Airplanes, Power-generating attachment for. G. R. Birrell. 1,504,085; Aug. 5.
Air-pressure gauge, Automatic. W. Lutes. 1,504,066; Aug. 5.
Airships, Construction of semirigid. C. Usuelli. 1,503,729; Aug. 5.
Airships, Skeleton frame construction for. K. Arnstein. Re15,885; Aug. 5.
Alarms, Circuit closer for. F. Ryan. 1,503,562; Aug. 5.
Alloy for high-temperature uses. W. H. Smith. 1,503,772; Aug. 5.
Alternating-current systems, Protective device for. J. Perret. 1,503,997; Aug. 5.
Aluminum chloride, Producing. F. W. Hall. 1,503,648; Aug. 5.
Amusement apparatus. J. Frank. 1,504,116; Aug. 5.
Amusement device. C. O. Moyer. 1,503,548; Aug. 5.
Anæsthesis outfit, Local. F. J. Fabret. 1,503,528; Aug. 5.
Annealing sheet metal. O. H. Cunningham. 1,503,639; Aug. 5.
Antiskid devices, Attachment for. H. F. C. Schultz. 1,503,808; Aug. 5.
Arbor press. B. P. Schiltz. 1,503,668; Aug. 5.
Ash, coal, and the like, Step washing plant for. E. Bongardt. 1,503,876; Aug. 5.
Ash conveyer comprising chains guided by sprocket wheels. E. W. Robey. 1,503,711; Aug. 5.
Atomizing fuel, Means for. H. Benkert. 1,503,627; Aug. 5.
Automobile. J. Strauss. 1,503,721; Aug. 5.
Automobile bumper, Clamp for. W. J. Grotenhuis. Des. 65,368; Aug. 5.
Automobile crank, Safety. B. Nilsson. 1,503,963; Aug. 5.
Automobile direction signal. F. L. Rose. 1,503,806; Aug. 5.
Automobile driving, Device for instruction in. J. H. Theiss. 1,504,163; Aug. 5.
Automobile license plate and holder therefor. W. Kramer. 1,503,509; Aug. 5.
Automobile lock. T. J. Foley. 1,503,786; Aug. 5.
Automobile radiator shield. E. Conley. 1,503,485; Aug. 5.
Automobile recording instrument. J. F. Drees. 1,504,031; Aug. 5.
Automobile signal. J. Jameton. 1,503,503; Aug. 5.
Automobile signal. C. H. Lewis. 1,503,592; Aug. 5.
Automobile traffic signal. C. H. Voll. 1,503,676; Aug. 5.
Automobiles, Bumper for. W. E. Williams. 1,503,969; Aug. 5.
Axle radius rod, Front-. B. L. Light. 1,504,127; Aug. 5.
Bag: *See*—
  Dust bag. Swimming bag.
  Mail bag.
Bait spinner, Live-. E. D. Jones, jr. 1,503,901; Aug. 5.
Balloon, Control for landing dirigible-. C. L. Wachter. 1,503,730; Aug. 5.
Band-punching machine. B. G. Nice. 1,503,551; Aug. 5.
Banjo. V. Kraske. 1,504,059; Aug. 5.
Basket-ball back stop. A. E. Thornley. 1,504,166; Aug. 5.
Battery: *See*—
  Electric battery.
Bayonet, Disappearing. S. L. Moore. 1,504,073; Aug. 5.
Bean-snipping machine. K. R. Taylor. 1,503,612; Aug. 5.
Bearing carrier nut. J. H. Proctor. 1,503,849; Aug. 5.
Bearing, Window regulator. A. Biró and E. E. Heintz. 1,503,470; Aug. 5.
Bearings, Window-regulator wheel. E. E. Heintz. 1,503,500; Aug. 5.
Belt. W. F. Dettweiler. 1,504,030; Aug. 5.
Belt, Combined pigskin and other material transmission. H. M. Gusdorf. 1,503,946; Aug. 5.
Bent-wood chair. J. Skvarenina. Des. 65,389; Aug. 5.
Bicycle and motor drive therefor. E. K. Baker. 1,503,935; Aug. 5.
Bin: *See*—
  Grain bin.
Bin structure. F. H. Willcox. 1,503,576; Aug. 5.
Binder, Permanent document. F. H. Harris. 1,503,828; Aug. 5.
Binding. H. Smith. 1,503,771; Aug. 5.
Block: *See*—
  Cutting block.
Blood from animals, Instrument for withdrawing. F. C. Atwood. 1,504,013; Aug. 5.
Board: *See*—
  Fiber board. Plaster board.
  Moistureproof board.
Boats, Propelling mechanism for. A. Vonom. 1,504,180; Aug. 5.
Bobbin holder. E. Williams. 1,504,007; Aug. 5.
Boiler: *See*—
  Electric boiler. Water-tube boiler.
Boiler baffles, Form for molding or casting. F. O. Pahmeyer. 1,503,912; Aug. 5.
Book, Ledger. C. L. Harvey. 1,504,040; Aug. 5.
Booth, Folding voting. J. J. Reinhold. 1,504,078; Aug. 5.
Boring machine, Earth-. E. C. De Shon. 1,504,184; Aug. 5.
Bottle. F. G. McPherson. 1,503,694; Aug. 5.
Bottle carrier. W. J. Spaulding. 1,504,158; Aug. 5.
Bottle washers, Automatic stop for. G. J. Meyer. 1,503,512; Aug. 5.
Bottles and similar receptacles, Feeder for. G. Strandt. 1,503,521; Aug. 5.
Box: *See*—
  Powder box. Vanity box.
Braid, Upholstery. D. M. Lending. Des. 65,377; Aug. 5.
Brake: *See*—
  Emergency or auxiliary brake. Wagon brake.
Brake. C. P. Ruggles. 1,503,561; Aug. 5
Brake-actuating mechanism R. M. Lovejoy. 1,503,838; Aug. 5.
Brake and accelerator operating mechanism. W. Davis. 1,503,939; Aug. 5.
Brake drum, Safety expansion. W. C. Trout. 1,504,167; Aug. 5.
Brake mechanism. W. C. Hedgcock. 1,504,042; Aug. 5.
Brake shoe. C. D. Pettis. 1,503,514. Aug. 5.
Braking apparatus F. M. Castleman. 1,503,882; Aug. 5.
Branfood flakes. N. Mininberg. 1,503,547; Aug. 5.
Brass, Rod. E. J. Brewster and J. Murrin. 1,503,472; Aug. 5.
Bread and butter machine. C. Wicksteed. 1,504,008; Aug. 5.
Broiling, cooking, and toasting foodstuffs, Appliance for. W. C. Davis. 1,504,102; Aug. 5.
Bubble blower, Whistling. C. E. Evans and I. H. Angelsberg. 1,504,186; Aug. 5.
Buckle. L. F. Otten. 1,503,801; Aug. 5.
Building blocks and the like, Apparatus for making. O. E. Bornhauser and J. E. Herman. 1,503,875; Aug. 5.
Bumper. B. P. Hanson. 1,503,790; Aug. 5.
Bumper. W. M. Jones. 1,503,534; Aug. 5.
Bumper and fender brace and luggage carrier, Combined. L. and V. Millberg. 1,503,990; Aug. 5.
Bung, Locking. J. Thompson. 1,503,726; Aug. 5.
Burner: *See*—
  Oil burner.
Burners, Automatic fuel controller for. B. E. Meacham. 1,504,068; Aug. 5.
Burners, Device for regulating the supply of fuel for gas. J. H. Ackroyd. 1,503,461; Aug. 5.
Button, Collar. C. Weaver. 1,503,867; Aug. 5.
Button, Push. L. P. Hynes. 1,503,757; Aug. 5.
Buttons, Making. A. Latham. 1,503,539; Aug. 5.
Calculating machine. G. M. Bacon. 1,503,742; Aug. 5.
Calculating machine. T. W. Ross. 1,503,810; Aug. 5.
Cam followers, Seat construction for. M. M. Wilcox. 1,503,865; Aug. 5.

Cam or pulley, Detachable. G. B. Baber. 1,504,015; Aug. 5.
Can-capping machine. J. M. Frederick. 1,504,188; Aug. 5.
Cap. D. Knopfler. 1,503,537; Aug. 5.
Car construction. J. Pearson. 1,503,513; Aug. 5.
Car coupler. G. W. Jacobs. 1,503,833; Aug. 5.
Car-door-locking device. M. F. Cox. 1,503,487; Aug. 5.
Cars, Tank heater for poultry. J. J. Murphy and A. T. Cann. 1,503,911; Aug. 5.
Cars, Trough for poultry. A. Miller. 1,503,843; Aug. 5.
Cars, Windshield for closed motor. A. S. Margason. 1,503,510; Aug. 5.
Carburetor, Electrically-operated. C. T. Raule. 1,503,555; Aug. 5.
Carriage, Folding baby. N. Schnipper and R. Brody. 1,503,714; Aug. 5.
Carrier: *See*—
  Bottle carrier. Index-card carrier.
Carton, Collapsible. W. A. V. Porter. 1,503,516; Aug. 5.
Case: *See*—
  Cigarette case. Vanity case.
Cash register. E. J. Von Pein. Re15,883; Aug. 5.
Casket, Burial. R. F. McCampbell. 1,503,958; Aug. 5.
Caster centering and retaining device. R. S. Kirkpatrick. 1,503,535; Aug. 5.
Casting of rods, bars, and the like, Process and apparatus for the continuous. A. Coats. 1,503,479; Aug. 5.
Centrifugal machine and process. R. Mackay, jr. 1,503,960; Aug. 5.
Chain. A. P. Stiansen. 1,503,774; Aug. 5
Charm or similar article. J. H. Swift. Des. 65,390; Aug. 5.
Chiropractic table, Attachment for. D. D. Evins. 1,504,111; Aug. 5.
Chocolate-coating machine. G. A. Dumas. 1,503,527; Aug. 5.
Chuck, Magnetic. O. Coradi and H. Graf-Buchler. Re15,884; Aug. 5.
Chuck, Quick-adjustment. J. L. Phillips. 1,503,804; Aug. 5.
Chuck with wedge jaws. P. Schulz and J. Jakowitsch. 1,503,809; Aug. 5.
Chute, Telescopic side port loading. L. H. Simon. 1,503,669; Aug. 5.
Cigar machines, Wrapper carrier for. R. E. Rundell. 1,503,768; Aug. 5.
Cigarette case. C. G. Lindbom. 1,504,128; Aug. 5.
Cinch strap. R. G. Schnitger. 1,503,715; Aug. 5.
Clamp: *See*—
  Wire-line clamp. Wood-heel clamp.
Clamp. C. C. Tomkinson. 1,503,863; Aug. 5.
Clip. N. Ritter. 1,504,141; Aug. 5.
Clipper. H. O. Smith. 1,504,155; Aug. 5.
Clothes wringers, Wringer roll for. G. H. Jantz. 1,503,952–3; Aug. 5.
Clutch mechanism for power-driven tools. E. E. Strom. 1,503,723; Aug. 5.
Clutch, Vehicle hub. G. Olm. 1,503,845; Aug. 5.
Coal-cutting machine. M. S. Moore. 1,503,992; Aug. 5.
Coal-dust eliminator. E. Ball and J. M. McHugh. 1,503,870; Aug. 5.
Coal-screening apparatus. G. S. Jaxon. 1,503,954; Aug. 5.
Coating composition. L. D. Wood. 1,504,175; Aug. 5.
Coil-winding machine. J. J. Vienneau. 1,504,004–5; Aug. 5.
Comb: *See*—
  Warper comb.
Combs used in the textile art. H. D. Colman. 1,503,637; Aug. 5.
Commutator and manufacture. O. F. Conklin. 1,503,484; Aug. 5.
Compasses, Drawing. K. Akashi. 1,503,934; Aug. 5.
Concrete fence. W. F. Jones. 1,503,902; Aug. 5.
Concrete hanger. W. E. White. 1,503,572; Aug. 5.
Condenser, Electrical. G. W. Pickard. 1,503,765; Aug. 5.
Condenser, Electrical. E. L. Powell. 1,503,553; Aug. 5
Condenser, Electrostatic. E. Thomson. 1,504,002; Aug. 5.
Container and producing it. E. D. Treanor. 1,504,194; Aug. 5.
Control apparatus. W. H. Smith. 1,503,718; Aug. 5.
Control apparatus and system. W. H. Smith. 1,503,717 Aug. 5.
Controller, Automatic. F. J. Bast. 1,503,971; Aug. 5.
Controller, Automatic. A. Roesch. 1,504,080; Aug. 5.
Conveyer. W. J. Benoit. 1,503,936; Aug. 5.
Conveyer apparatus. O. A. Seyferth. 1,503,716; Aug. 5
Conveying machinery. R. E. Sheal. 1,503,999; Aug. 5
Cooker, Fireless. E. R. Carpenter. 1,504,097; Aug. 5.
Cooker, Fireless. H. Mock. 1,503,762; Aug. 5.
Corset. H. A. Colley. 1,503,816; Aug. 5.
Cotton tramper. W. D. Wilson. 1,504,196; Aug. 5.
Counterpoise. B. P. Joyce. 1,503,589; Aug. 5.
Coupling: *See*—
  Magneto-electric coupling.
Cowl ventilator. H. C. Maise. 1,503,840; Aug. 5.
Crane. F. K. Vial. 1,503,675; Aug. 5.
Crate, Collapsible. G. H. Taige, and C. and E. Manzer 1,504,162; Aug. 5.
Crystalline aluminum sulphate, Producing. S. W. Scofield and J. B. La Rue. 1,503,603; Aug. 5.
Cuff, Folding reversible French. C. M. Flora 1,504,115; Aug. 5.
Curtain fastener. E. McCann. 1,503,989; Aug. 5.
Curtain runner. E. L. Wilson. 1,503,578; Aug. 5.
Cut-out. H. W. Ruby. 1,503,917; Aug. 5.
Cut-out operator. H. W. Ruby. 1,503,918; Aug. 5.
Cutter lip, Toothed. H. G. Washburn, L. G. Johnson, and J. R. Thill. 1,503,866; Aug. 5.
Cutting block. W. R. Forsyth. 1,503,496; Aug. 5.
Dating stamps, Means for controlling. L. Wallenstein. 1,503,566; Aug. 5.
Dehydrating materials, Bleaching and sweating apparatus for. J. H. Elspass. 1,504,108; Aug. 5.
Dental casting machine. M. F. Burns. 1,503,814; Aug. 5.
Dental tool. R. B. Smith. 1,503,610; Aug. 5.
Diaphragm. C. Messick. 1,503,696; Aug. 5.
Diaphragm. W. F. R. Phillips. 1,504,139; Aug. 5.
Diaphragm, Oblique-light. H. N. Ott. 1,503,800; Aug. 5.
Die holder. J. H. Matthews. 1,503,842; Aug. 5.
Disks, Manufacture of tapering metal. I. H. Price. 1,504,076; Aug. 5.
Dispensing apparatus. C. L. Bastian. 1,503,811; Aug. 5.
Dispensing apparatus. W. R. Love. 1,503,691; Aug. 5.
Display device. T. G. Cruver. 1,503,488; Aug. 5.
Display stand for packaged goods. A. L. Hansen. Des. 65,369; Aug. 5.
Door-controlling means. W. J. Hoscelt. 1,503,502; Aug. 5.
Door hanger. F. J. Meagher. 1,503,545; Aug. 5.
Door lock, Safety. G. Dietz. 1,503,820; Aug. 5.
Doubletree. C. C. Bailey. 1,503,780; Aug. 5.
Draft appliance. L. D. Leibold. 1,503,903; Aug. 5.
Draft device. O. H. Hovda. 1,503,831; Aug. 5.
Dredging system. C. J. Baer. 1,503,680; Aug. 5.
Drill: *See*—
  Wagon drill.
Drilling machine, Deep-. J. J. Kunzer. 1,503,836; Aug. 5.
Drying machine for wool and other materials. T. W. Hawkins. 1,503,897; Aug. 5.
Drying tube. W. F. Finkl. 1,503,823; Aug. 5.
Dust bag, Sanitary. L. H. and H. L. H. Patterson. 1,504,136; Aug. 5.
Dust-collector outlet A. C. Posner. 1,503,915; Aug. 5.
Dye, Disazo. W. Neelmeier and K. Heusner. 1,504,134; Aug. 5.
Dyes, Diphenylnaphthylmethane. L. P. Kyrides. 1,504,061; Aug. 5.
Dyes, Tetrakisazo. W. Lange and L. Neumann. 1,504,125; Aug. 5.
Dyes, Triphenylmethane. L. P. Kyrides. 1,504,060; Aug. 5.
Dyestuff intermediates, Manufacture of. J. Thomas. 1,504,164; Aug. 5.
Electric battery, Inert. C. S. Mummery. 1,503,993; Aug. 5.
Electric boiler. E. Berg. 1,503,972; Aug. 5.
Electric circuits, Switch or switchboard for controlling. A. H. Midgley. 1,503,797; Aug. 5.
Electric control mechanism. E. Dennis. 1,503,940; Aug. 5.
Electric heater. J. L. Shroyer. 1,504,083; Aug. 5.
Electric locomotive. L. H. Michaelis. 1,503,699; Aug. 5.
Electric machine, Dynamo-. G. M. Rothenberger. 1,504,145; Aug. 5.
Electric motors, Controlling means for controlling a series of. F. G. Warburton. 1,503,677; Aug. 5.
Electric switch. H. E. White. 1,504,171; Aug. 5.
Electrical apparatus, Casing for. L. H. Burnham. 1,503,978; Aug. 5.
Electrical apparatus, Winding for. L. H. Burnham. 1,503,977; Aug. 5.
Electrical protecting apparatus. E. D. Treanor. 1,504,193; Aug. 5.
Electrical testing system. G. W. Kuhn. 1,504,124; Aug. 5.
Electrode holder. H. T. Lintott and H. J. Charbonneau. 1,503,541; Aug. 5.
Electromagnet. R. Demele. 1,503,987; Aug. 5.
Electromagnetically-operated device. E. R. Carichoff. 1,503,980–1; Aug. 5.
Elevator: *See*—
  Well elevator.
Elevator. S. P. Erwin. 1,504,034; Aug. 5.
Elevator. J. O. Johnson. 1,503,588; Aug. 5.
Embroidered textile fabric. B. Schwartz. Des. 65,387–8; Aug. 5.
Emergency or auxiliary brake. W. J. Taylor. 1,503,522; Aug. 5.
Emulsifying apparatus. G. L. Fish. 1,503,646; Aug. 5.
Enameling. H. Moecker, jr. 1,503,991; Aug. 5.
Endless tracks, Detachable shoe for. R. S. Springer. 1,503,611; Aug. 5.
Engine: *See*—
  Internal-combustion engine. Turbine engine.
Engine. A. H. Davidson. 1,504,101; Aug. 5.
Engines, Air-moistening device for internal-combustion. R. J. Berard. 1,504,018; Aug. 5.
Engines, Attachment for internal-combustion. M. Mackie. 1,503,905; Aug. 5.
Engines, Carburation for internal-combustion. J. J. Fortier and J. W. Sherwood. 1,504,187; Aug. 5.
Engines, Cone timer for internal-combustion. A. J. Sager. 1,503,600; Aug. 5.

Engines, Fuel mixes for internal-combustion. C. L. Reed. 1,503,805; Aug. 5.
Engines or the like, Packing plate for internal-combustion. J. O. Almen. 1,503,741; Aug. 5.
Engines, Spark-plug valve for petroleum and crude-oil. C. A. Rudqvist. 1,503,560; Aug. 5.
Engines, Valvular arrangement of internal-combustion. D. G. F. White and L. W. Neilson. 1,504,195; Aug. 5.
Engraving machines, Electrical control for. U. M. Warmoth. 1,503,733; Aug. 5.
Ether, Making cellulose. P. C. Seel. 1,503,604; Aug. 5.
Ethers of carbohydrates, Production of. G. Young. 1,504,178; Aug. 5.
Excavator. P. Burke. 1,503,813; Aug. 5.
Expansion shell. J. H. Phillips. 1,503,515; Aug. 5.
Explosive and making same. H. W. Klinger. 1,503,956; Aug. 5.
Explosives, Priming mixture for propellent. C. I. B. Henning. 1,503,530; Aug. 5.
Extensible screen. B. Kugler. 1,503,538; Aug. 5.
Eye screen. G. R. Weed. 1,503,868; Aug. 5.
Fare-register mechanism. R. W. Hamilton. 1,503,754; Aug. 5.
Fares, delivering fare tokens or coins, and issuing transfers or tickets, Machine for receiving. A. D. Rogers and W. F. Reynolds. 1,503,852; Aug. 5.
Fastening of the button type. T. Morton. 1,503,799; Aug. 5.
Faucet. E. H. Bickley. Des. 65,364; Aug. 5.
Faucet. G. R. Long. 1,503,656; Aug. 5.
Faucet, Nozzle-operated. J. Mackey. 1,504,131; Aug. 5.
Faucet reducer. W. H. Rudolph and L. V. Lucia. 1,504,147; Aug. 5.
Feeder-pile-adjustment means. J. R. Blaine. 1,503,877; Aug. 5.
Feeding apparatus. W. E. Elliott. 1,503,494; Aug. 5.
Fiber board, Sound-deadening. J. K. Shaw. 1,503,605; Aug. 5.
Fields, Working dusty. C. C. Davis. 1,503,641; Aug. 5.
Filter or strainer, Rotary. F. W. Brackett. 1,504,020; Aug. 5.
Finger ring. B. F. Brogan. Des. 65,366; Aug. 5.
Fishing device. J. Subert and A. Jedlicka. 1,503,967; Aug. 5.
Fishing-line float. A. P. Lower. 1,504,065; Aug. 5.
Fishing tool. P. Strom and V. L. Ganleany. 1,503,724; Aug. 5.
Flash lights, Fan attachment for. A. F. Trumbull. 1,504,003; Aug. 5.
Float. C. W. Bauman and F. Gruber. 1,503,624; Aug. 5.
Floor covering and base strip, Combined. J. M. Tracy and F. R. Scherer. 1,503,929; Aug. 5.
Flue stopper. S. Bollinger. 1,503,630; Aug. 5.
Fluid-pressure impulse system. F. M. Slater. 1,503,922; Aug. 5.
Fluid-pressure system. W. J. Fendner. 1,503,889; Aug. 5.
Fluid-supply system. T. H. Kerr and L. H. Duncan. 1,503,591; Aug. 5.
Flying-machine construction. C. Dornier. 1,504,107; Aug. 5.
Forging machine. W. H. Wineman. 1,504,174; Aug. 5.
Fount, Chicken. W. H. Parker. 1,503,705; Aug. 5.
Frame: *See*—
Trunk side frame.
Frame and cap therefor, Clean-out. C. C. Frautz and H. F. Penney. 1,503,647; Aug. 5.
Fuel and making the same, Solidified liquid. H. Kranich. 1,503,835; Aug. 5.
Fulcrums, Forming forged. L. L. Whitney. 1,503,573; Aug. 5.
Furnace construction, Regenerative-. W. O. Ansler. 1,503,464; Aug. 5.
Furnace grate. K. Rezsny. 1,503,767; Aug. 5.
Furnaces, Clean-out tool for. P. Hott. 1,503,898; Aug. 5.
Fuselage fitting. I. H. Driggs. 1,503,887; Aug. 5.
Fuses, Safety plunger for artillery. H. M. Brayton. 1,503,632; Aug. 5.
Garment protector. J. J. Raebr. 1,504,016; Aug. 5.
Gas burner or torch. P. F. Willis. 1,503,968; Aug. 5.
Gasoline, Blending. T. L. Kerr. 1,503,792; Aug. 5.
Gauge: *See*—
Air-pressure gauge. Glass-thickness gauge.
Liquid-level gauge.
Gear-broaching machines, Worm-cutting attachment for. J. L. Perkins, F. W. Sickles, and H. D. Croft. 1,503,996; Aug. 5.
Gearing. H. F. Schmidt. 1,503,919; Aug. 5.
Gelatin sheets or films, Machine for manufacturing. H. M. Conger and A. O. Travis. 1,504,183; Apr. 5.
Generator: *See*—
Steam generator.
Generators on train units, System of connections for prevention of paralleling of. C. J. Axtell. 1,504,014; Aug. 5.
Glass sheets, Finishing the edges of. A. C. Hilleman. 1,503,586; Aug. 5.
Glass-thickness gauge. W. O. Lytle. 1,503,543; Aug. 5.
Glass, Treating. F. G. McPherson. 1,503,695; Aug. 5.
Glassware, Producing. J. A. Milliken. 1,503,962; Aug. 5.
Glove-cleaning machine. F. C. W. Stelter. 1,503,719; Aug. 5.
Golf game, Indoor. V. P. Brun. 1,503,633; Aug. 5.
Golf system, Indoor. R. H. Strasser. 1,503,720; Aug. 5.
Governing device. G. B. Stone. 1,504,161; Aug. 5.
Governor, Electric-motor. H. W. Crane. 1,503,818; Aug. 5.
Governor for controlling gas flow. R. B. Richardson. 1,503,664; Aug. 5.
Grade meter. F. W. Thompson. 1,503,672; Aug. 5.
Grain bin. C. H. and H. W. Viebrock. 1,504,168; Aug. 5.
Grain cleaning and sorting machine. J. Kolin. 1,504,058; Aug. 5.
Gramophone records, Means for storing. G. A. Holt. 1,503,651; Aug. 5.
Granular and like material from retorts and similar vessels, Means for discharging. T. W. S. Hutchins. 1,503,791; Aug. 5.
Grinding, abrading, or polishing metal and other surfaces, Apparatus for. H. J. Hunt. 1,503,687; Aug. 5.
Grinding machine. C. A. Smith. 1,503,770; Aug. 5.
Grinding mill for rocks, ores, and like material. E. H. Moyle. 1,503,703; Aug. 5.
Gripping mechanism. R. L. Wilcox. 1,503,777; Aug. 5.
Gripping the ends of short rods, Adjustable holder for. W. F. Butler. 1,503,635; Aug. 5.
Grommet. W. G. Corson. 1,503,985; Aug. 5.
Guide mechanism, Side-. E. F. Dudley. 1,503,492; Aug. 5.
Guide mechanism, Side-. B. D. Stevens. 1,503,520; Aug. 5.
Gun, Air. E. E. Miles. 1,503,913; Aug. 5.
Gun with superposed barrels, Sporting. B. Petrik. 1,504,137; Aug. 5.
Gymnastic apparatus. I. R. Nelson and F. W. Lamble. 1,503,550; Aug. 5.
Hair clipper. J. Dean. 1,503,986; Aug. 5.
Hair clipper. J. W. Price. 1,503,705; Aug. 5.
Hair-drying machines, Attachment for. L. Ruffo. 1,504,149; Aug. 5.
Hair protector and conformer. J. Danubio. 1,504,100; Aug. 5.
Handkerchief. F. Dal Lago and J. S. Jarkow. Des. 65,376; Aug. 5.
Hand wrench. L. Johns. 1,503,533; Aug. 5.
Hanger: *See*—
Concrete hanger. Pump hanger.
Door hanger.
Harmonic analyzer. T. C. Fry. 1,503,824; Aug. 5.
Harrow. D. W. Strickland. 1,503,722; Aug. 5.
Harrow, Disk. H. S. Dickinson. 1,504,105; Aug. 5.
Harrows, Draft control for double-cut disk. H. S. Dickinson. 1,504,104; Aug. 5.
Harvesting machine. S. E. Walling. 1,503,732; Aug. 5.
Harvesting machine, Beet-. S. C. Beale. 1,503,625; Aug. 5.
Headlight. L. P. Powers. 1,503,848; Aug. 5.
Headlight construction, Vehicle. E. Abbott. 1,503,621; Aug. 5.
Headlight rims, Tool for removing. C. V. Furman and C. V. Youngs. 1,504,037; Aug. 5.
Heater: *See*—
Electric heater.
Heat-exchange apparatus. O. Piette. 1,503,846; Aug. 5.
Heating and ventilating system. E. Pemberton. 1,503,803; Aug. 5.
Heating device. P. J. A. Maignen. 1,503,907; Aug. 5.
Hemp-stripping machine. P. H. Frank. 1,503,788; Aug. 5.
Hinge, Self-locking. A. H. Kroschel. 1,503,690; Aug. 5.
Hog gambrel. W. L. Young. 1,503,738; Aug. 5.
Hoist, Automobile. T. A. Martin. 1,503,795; Aug. 5.
Hoisting mechanism. J. A. Morrison. 1,503,596; Aug. 5.
Hollow articles of plastic material, Mold for making. F. T. Roberts. 1,503,666; Aug. 5.
Hose-attaching device. L. V. Lucia. 1,504,129; Aug. 5.
Hose supporter. W. D. Furey. 1,503,988; Aug. 5.
Hosiery supporter, Elastic. E. Hauser. 1,504,041; Aug. 5.
Hot-water-supply system. W. A. McGee. 1,503,910; Aug. 5.
Hub and spoke connection. A. M. Brodie. 1,504,090; Aug. 5.
Humidifier. A. C. Ladd. 1,504,062; Aug. 5.
Hydraulic coupling and change-speed gear. S. G. Wingquist. 1,503,618; Aug. 5.
Ignition controller. W. O. Kennington. 1,504,123; Aug. 5.
Incinerator. H. S. Woodward. 1,503,737; Aug. 5.
Incubators, Heating system for mammoth. H. L. Watson. 1,503,569; Aug. 5.
Index-card carrier, Visible-. W. A. Ringler. 1,503,559; Aug. 5.
Index device. W. A. Ringler. 1,503,557; Aug. 5.
Index, Visible. W. A. Ringler. 1,503,558; Aug. 5.
Indicator: *See*—
Pressure indicator.
Indicator. G. L. Smith. 1,503,609; Aug. 5.
Insulator specially for the handles of pliers and the like, Tool. G. Klauke. 1,503,536; Aug. 5.
Internal-combustion engine. E. R. Burtnett. 1,504,093–4; Aug. 5.
Internal-combustion engine. E. R. Burtnett. 1,504,096; Aug. 5.
Internal-combustion engine. C. E. Curtiss and H. L. Allen. 1,503,640; Aug. 5.

Internal-combustion engine. A. O. Roberts. 1,504,142; Aug. 5.
Iron: *See*—
Pressing iron.
Irons, Producing channel. L. E. Curtis. 1,503,884; Aug. 5.
Ironing table. W. E. Denny. 1,503,885; Aug. 5.
Jack: *See*—
Lifting jack.
Jack for motor vehicles, Lifting. A. L. Holton. 1,503,532; Aug. 5.
Jar closure. C. Gastgeb. 1,504,039; Aug. 5.
Jewelry box. M. J. Karpeles. Des. 65,391; Aug. 5.
Kettle-cover holder. M. Sprangers. 1,503,857; Aug. 5.
Kiln with steam-generating cooling zone, Tunnel. C. Dressler. 1,503,750; Aug. 5.
Knife-blade-squaring machine. E. J. Conklin. 1,503,747; Aug. 5.
Knife, Flaying. G. Zürcher. 1,503,739; Aug. 5.
Knitters, Automatic stop mechanism for cord. E. J. Hugo. 1,503,951; Aug. 5.
Label-attaching machine. M. O. Clauss. 1,503,745; Aug. 5.
Lace. W. A. Parsons. Des. 65,384; Aug. 5.
Lace holder, Shoe-. F. V. Hidock. 1,504,043; Aug. 5.
Lacing device. W. A. Sowers. 1,504,157; Aug. 5.
Ladder rung. P. Broman. 1,503,880; Aug. 5.
Lamp, Adjustable automobile. J. H. Cooper. 1,503,638; Aug. 5.
Lamp, Sanctuary. B. Muller-Thym. 1,503,661; Aug. 5.
Lamp shade. F. M. Katz. Des. 65,374; Aug. 5.
Lantern, Electric. C. H. Bissell. 1,503,873; Aug. 5.
Lantern, Electric. A. W. Heimholtz. Des. 65,372; Aug. 5.
Last, Shoe-stretching. G. R. Hurt. 1,503,653; Aug. 5.
Lathes, Grooving attachment for. O. W. Mueller. 1,504,133; Aug. 5.
Lathes, Turning tool for turret and automatic. E. Bugatti. 1,504,092; Aug. 5.
Lawn sprinkler. A. N. Slack. 1,504,152; Aug. 5.
Lens-grinding machine. A. E. Glancy. 1,503,497; Aug. 5.
Lever openings, Air and dust guard for. J. Hasselberger. 1,503,756; Aug. 5.
Lifting jack. N. E. Harris and W. D. Swiggart. 1,503,947–8; Aug. 5.
Lighting fixture. F. C. De Reamer. 1,504,028; Aug. 5.
Lighting-fixture arm. G. P. Robinson and W. T. Blackwell. Des. 65,386; Aug. 5.
Lighting fixtures, Arm for. M. B. Bowen. Des. 65,365; Aug. 5.
Lighting fixtures, Screw adapter for. B. Newland. Des. 65,382; Aug. 5.
Limb, Artificial. R. R. Harris. 1,504,121; Aug. 5.
Liquid and its vapor, Method and apparatus for obtaining repeated movement of a. A. W. C. Menzies. 1,503,546; Aug. 5.
Liquid-level gauge. L. A. M. Corset. 1,504,025; Aug. 5.
Lock: *See*—
Automobile lock. Permutation lock.
Lock. J. Decker. 1,503,819; Aug. 5.
Lock. E. R. Vives. 1,503,565; Aug. 5.
Lock. J. Wright. 1,504,176; Aug. 5.
Locomotive booster system. F. J. Carty. 1,503,475; Aug. 5.
Locomotive driven by steam and internal-combustion engines. J. Buchli. 1,504,091; Aug. 5.
Locomotives, Automatic cut-off device for. M. I. Mosely. 1,503,763; Aug. 5.
Locomotives, Draft device for. J. E. Osmer. 1,503,802; Aug. 5.
Loom controller. W. S. Wells. 1,503,524; Aug. 5.
Looms, Attachment for. R. J. Bartholomew. 1,503,871; Aug. 5.
Looms, Feeler for. E. S. Stimpson. 1,503,860; Aug. 5.
Looms, Feeler mechanism for. H. H. Gove. 1,503,685; Aug. 5.
Lubricating device. F. Weckman. 1,504,169; Aug. 5.
Magazine spanner. W. J. McCarthy. 1,503,692; Aug. 5.
Magnet, Bell-shaped. H. Steinhart. 1,504,159; Aug. 5.
Magneto. O. F. Conklin and J. A. Vanneman. 1,503,483; Aug. 5.
Magneto-electric coupling. R. Erban. 1,504,109; Aug. 5.
Mail bag. J. L. Marshall. 1,503,961; Aug. 5.
Manifold, Combined exhaust and intake. C. F. Dike. 1,503,821; Aug. 5.
Manifolds, Fuel heater for intake. B. Johnson. 1,503,900; Aug. 5.
Mask, Face. D. De Rosier. 1,504,029; Aug. 5.
Match scratcher. N. Christensen. 1,504,099; Aug. 5.
Measuring machine, Last-. J. B. Hadaway. 1,503,498; Aug. 5.
Measuring register. B. F. Kiff. 1,504 055; Aug. 5.
Meat-chopping machine. J. F. Matthies. 1,504,067; Aug. 5.
Meat product and making the same. C. H. Vogt. 1,503,864; Aug. 5.
Megaphone, Collapsible. A. C. Weins. 1,504,170; Aug. 5.
Meter: *See*—
Grade meter. Prepayment meter.
Meter. R. F. Schuchardt. 1,504,082; Aug. 5.
Miles-per-gallon register. T. L. Parker. 1,503,552; Aug. 5.
Milk and milk products, Treating. G. Grindrod. 1,503,892; Aug. 5.
Milk, etc., Pasteurizing. W. J. Davis. 1,504,197; Aug. 5.
Milking machine, Hand. W. H. Delahaye and E. Vandecan. 1,504,027; Aug. 5.
Mixer. H. D. Flegel. 1,503,943; Aug. 5.
Moistener, Strip. J. Bauer. 1,503,623; Aug. 5.
Moistureproof board, Composite. O. Kress. 1,503,957; Aug. 5.
Mud press. H. P. Williams. 1,503,575; Aug. 5.
Nozzle, Boiler-washing. E. F. Follin. 1,503,495; Aug. 5.
Nozzle, Spray. B. Heller. 1,503,649; Aug. 5.
Numbering head. A. H. Smith. 1,503,924; Aug. 5.
Nut-cracking machine. H. Wilms. 1,504,009; Aug. 5.
Nut, Lock. C. E. Rees. 1,504,189; Aug. 5.
Nuts, Machine for cracking. R. E. Woodson. 1,503,577; Aug. 5.
Oil baller. F. M. Kidder. 1,504,054; Aug. 5.
Oil burner. T. S. Compere. 1,503,817; Aug. 5.
Oil burner. I. M. Petersen and D. C. J. Harris. 1,503,707; Aug. 5.
Oil burner. W. Rockefeller and F. J. Gayda. 1,503,850; Aug. 5.
Oil, Extracting. C. Dreymann. 1,503,751; Aug. 5.
Oil tester, Crank-case. C. W. Davis. 1,503,749; Aug. 5.
Oiling system, Drilling-machine-. W. R. Fox. 1,504,192; Aug. 5.
Oxides of tungsten and similar materials, Preparing. B. B. Fogler. 1,504,036; Aug. 5.
Paper-machine drive. G. S. Witham, jr. 1,503,679; Aug. 5.
Paper manufacture. W. L. Taylor. 1,503,613; Aug. 5.
Paper-manufacturing machines, Roll for. P. W. Bidwell. 1,504,179; Aug. 5.
Parachute. J. J. Davin and F. J. Jicha. 1,504,103; Aug. 5.
Patch and making the same. H. A. Morton and M. M. Harrison. 1,503,701; Aug. 5.
Pattern-binding machine. J. H. and H. J. Sutherland. 1,503,862; Aug. 5.
Pavement-marking machine. J. O. Rhien. 1,503,556; Aug. 5.
Paving joint, Elastic and expansible. A. C. Fischer. 1,503,942; Aug. 5.
Peanut warmer. P. L. Tally. 1,503,927; Aug. 5.
Pencil. C. R. Keeran. 1,503,506; Aug. 5.
Pencil-dispensing machine. H. L. Cathey. 1,504,098; Aug. 5.
Pencil, Propel. W. M. Saunders. 1,503,964; Aug. 5.
Pencil-sharpening machine. M. Berndt. 1,504,019; Aug. 5.
Perforating device. K. H. Borland. 1,504,181; Aug. 5.
Perforating machine. E. Urdang and H. H. Le Vita. 1,503,674; Aug. 5.
Permutation lock. J. L. and J. C. Saunders. 1,503,807; Aug. 5.
Petrol consumption, Vacuum tank for measuring. W. Seck. 1,504,151; Aug. 5.
Phonographs and the like, Receiving device for electric. F. Seelau. 1,503,854; Aug. 5.
Photographic purposes, Manufacture of paper for. E. Schloemann. 1,504,150; Aug. 5.
Photographic records, Making. C. E. K. Mees. 1,503,595; Aug. 5.
Photographic roll film. A. Faes. 1,503,645; Aug. 5.
Picture films, Producing multiply-exposed motion-. J. B. Walker. 1,503,731; Aug. 5.
Picture-projecting machines, Timing apparatus for use with. G. A. Kerestes. 1,503,834; Aug. 5.
Pictures to a distance, Method and system for transmitting. E. Keen. 1,503,590; Aug. 5.
Pile fabric. C. V. Kozlay. Des. 65,375; Aug. 5.
Pipe: *See*—
Refrigerator drain pipe. Tobacco pipe.
Smoking pipe.
Pipe-supporting slip. W. C. Thomas, J. C. Dickens, and J. W. Fowler. 1,503,523; Aug. 5.
Pipe wrench. A. L. Slater. 1,504,153; Aug. 5.
Pipes, Method of and apparatus for forging manifolds on. T. F. Birmingham. 1,503,469; Aug. 5.
Pistol with cock lock, Automatic. G. Walther. 1,503,568; Aug. 5.
Planter, Celery. L. Poll. 1,504,140; Aug. 5.
Plaster-board. C. F. Dahlberg. 1,503,783; Aug. 5.
Plow. H. E. Altgelt. 1,503,779; Aug. 5.
Plow, Cable-operated. A. Bertella. 1,503,467; Aug. 5.
Plow, Disk. O. W. Howard. 1,504,046; Aug. 5.
Plow, Revolving self-cleaning moldboard. G. H. Block. 1,503,874; Aug. 5.
Pocket, Patch. A. C. Barrow. Re15,886; Aug. 5.
Poke, Cow. W. H. Lenhart. 1,504,063; Aug. 5.
Pot: *See*—
Adhesive pot.
Powder box. E. Soyez. 1,504,001; Aug. 5.
Powder puff. A. Curioni. 1,503,748; Aug. 5.
Power installation. T. Stein. 1,504,160; Aug. 5.
Prepayment meter. J. Mettler. 1,503,698; Aug. 5.
Press: *See*—
Arbor press. Tile press.
Mud press.
Press for forming mica washers and other insulating forms, Power. E. G. Heald. 1,503,829; Aug. 5.
Presses, Drainage plate for expressing. C. B. Upton. 1,503,673; Aug. 5.
Pressing implement. L. Hoffman. 1,503,501; Aug. 5.
Pressing iron, Electric. T. C. Flesch. 1,503,890; Aug. 5.

Pressing machines, Flexible coupling for. A. J. Socia. 1,503,925; Aug. 5.
Pressure indicator. H. P. Kraft and M. C. Schweinert. 1,503,759; Aug. 5.
Pressure-measuring instrument. O. D. Horton. 1,504,045; Aug. 5.
Pressure regulator. J. B. Burdett. 1,503,473; Aug. 5.
Printer's stick. J. H. Jones. 1,503,505; Aug. 5.
Printing and addressing machine. J. S. Duncan and U. G. Lee. 1,503,822; Aug. 5.
Printing apparatus. M. J. Koch and H. B. Boose. 1,503,507; Aug. 5.
Printing presses, Plate-clamping mechanism for. W. Evensen. 1,503,941; Aug. 5.
Projectile. H. Romberg. 1,504,144; Aug. 5.
Projectile, Armor-piercing. G. M. Ryan. 1,503,769; Aug. 5.
Projectorscopes, Intermittent movement for. A. Kershaw. 1,503,793; Aug. 5.
Propellers, Synchronizing control mechanism for reversible-pitch. E. G. McCauley. Re15,888; Aug. 5.
Protective system. W. Pfannkuch. 1,503,998; Aug. 5.
Puff bowl and perfume bottle, Combined. H. G. Dalzell. Des. 65,367; Aug. 5.
Pulley manipulator. D. R. Tanner. 1,503,928; Aug. 5.
Pulp-making fibers, Apparatus for cooking. T. B. Munroe. 1,503,549; Aug. 5.
Pump. M. Bucherer. 1,503,634; Aug. 5.
Pump for steam-heating systems, Return-line vacuum. B. Skidmore, jr. 1,503,965; Aug. 5.
Pump hanger. S. B. Sargent. 1,503,601; Aug. 5.
Pump, Oil. C. W. Howe and J. J. Robertson. 1,503,652; Aug. 5.
Pump, Oil-well. C. C. Scharpenberg and L. G. Gates. 1,504,081; Aug. 5.
Pump or blower, Centrifugal. L. Weil. 1,503,776; Aug. 5.
Pumping apparatus and operating the valved plunger of a well pump. S. B. and S. B. Sargent, jr. 1,503,602; Aug. 5.
Pumps, Attachment for. H. Masbruch. 1,503,900; Aug. 5.
Punch and die. J. J. Carter. 1,504,182; Aug. 5.
Punch, Shank and bit. J Ditson and A. E. Peters. 1,503,490; Aug. 5.
Punching and riveting machine. W. E. Rees. 1,504,077; Aug. 5.
Punching machine. C. F. McBee. 1,503,761; Aug. 5.
Pungent compounds, Making. D. B. Bradner and M. L. Sherrill. 1,503,631; Aug. 5.
Pyrotechnical device. M. M. Adler. 1,503,740; Aug. 5.
Quinizarine and the like, Manufacture of. J. Thomas. 1,504,165; Aug. 5.
Radiator cap. G. R. Harvey. Des. 65,370; Aug. 5.
Radiotelephone receiver. M. S. Finley. 1,503,529; Aug. 5.
Rail fastener. W. Dalton. 1,503,489; Aug. 5.
Rail seat. W. L. Weaver. 1,503,775; Aug. 5.
Railway-crossing signal. R. L. Mundell. 1,504,074; Aug. 5.
Railway-crossing signal. J. A. West. 1,503,930; Aug. 5.
Railway signaling. I. K. Johnson. 1,503,504; Aug. 5.
Railway tie. H. L. Thomas. 1,503,563; Aug. 5.
Railway-track construction. H. H. Diehl. 1,503,886; Aug. 5.
Railway-train-control system. A. V. T. Day. 1,504,191; Aug. 5.
Railways, Automatic speed-control system for. C. F. Estwick. 1,504,185; Aug. 5.
Rake and swath turner, Side-delivery. W. E. Martin. 1,503,796; Aug. 5.
Ratchet wrench. J. E. Erickson. 1,503,888; Aug. 5.
Rattan weaving strips, Machine for producing. J. Dumont. 1,503,784; Aug. 5.
Razor-blade stropper, Safety-. W. M. Breck. 1,503,471; Aug. 5.
Razor blades, Blade holder for safety-. F. J. Kalteyer. 1,504,051; Aug. 5.
Reed articles, Producing woven. M. B. Lloyd. 1,503,904; Aug. 5.
Reflector. P. S. Bailey. 1,504,017; Aug. 5.
Reflector, Tinsel. B. E. Franke. Re15,887; Aug. 5.
Reflectors, Reenforcing. B. Bart. 1,503,743; Aug. 5.
Refrigerating apparatus. T. I. Potter. 1,503,598; Aug. 5.
Refrigerator-door construction. L. G. Copeman. 1,503,486; Aug. 5.
Refrigerator drain pipe. C. K. Lassell. 1,504,126; Aug. 5.
Refuse receptacle. J. Stäubli. 1,503,926; Aug. 5.
Register: *See*—
Cash register.
Measuring register.
Miles-per-gallon register.
Regulator: *See*—
Pressure regulator.
Rein guide. G. H. Brewer. 1,503,879; Aug. 5.
Release device, Automatic clutch-. F. Y. Boyrie. 1,503,682; Aug. 5.
Repeater, Duplex. W. J. Herdman. 1,503,650; Aug. 5.
Resilient wheel. C. F. Erickson. 1,504,110; Aug. 5.
Retaining device. J. A. Brown and J. R. Watson. 1,503,975; Aug. 5.
Ridger and gap-filling machine. C. H. Kruse and C. M. Goodwin. 1,503,794; Aug. 5.
Ring. B. Pusrin. Des. 65,385; Aug. 5.
Rivet and the like article, Tubular. E. B. Stimpson. 1,503,859; Aug. 5.
Rivet guide. E. B. Stimpson. 1,503,861; Aug. 5.
Roller mounting. E. Schneebeli. 1,503,567; Aug. 5.
Rope fastener. L. E. Wallis and L. Higgins. 1,503,567; Aug. 5.
Rubber articles, Making hollow. W. E. Roberts. 1,503,667; Aug. 5.
Rubber, Method of and apparatus for making annular sheets of. F. T. Roberts. 1,503,665; Aug. 5.
Rubber vulcanization and product thereof. H. A. Morton. 1,503,702; Aug. 5.
Sadiron. T. J. Madigan. 1,503,659; Aug. 5.
Sadirons, Plug for. T. J. Madigan. 1,503,839; Aug. 5.
Safe locks and other objects, Recording protector for. E. S. Phelps. 1,504,138; Aug. 5.
Salt and pepper shaker or similar article. W. G. McIlvain. Des. 65,378–9; Aug. 5.
Sand and water trap, Combined. R. J. Majors and H. Anderson. 1,503,544; Aug. 5.
Sand-blast machine. W. Jorgensen. 1,504,048; Aug. 5.
Sausage-link-forming machine. C. S. Zdechlik. 1,504,010; Aug. 5.
Scaffold. W. R. Young. 1,503,778; Aug. 5.
Scaffold, Traveling. A. L. N. Fleming. 1,503,581; Aug. 5.
Scale, Weighing. G. W. Britton. 1,504,022; Aug. 5.
Scarifying machine. J. D. Benbow. 1,503,872; Aug. 5.
Screen: *See*—
Extensible screen.
Eye screen.
Screw-cutting taps, Making. J. McFarlane and D. Clelland. 1,503,959; Aug. 5.
Screw-eye-affixing machine. W. H. Rudolph. 1,504,148; Aug. 5.
Sealing containers in vacuum. M. Bransten. 1,504,088; Aug. 5.
Seat: *See*—
Rail seat.
Sewing machine, Variable-width two-needle. R. M. Sharaf. 1,503,921; Aug. 5.
Sharpener, Razor-blade. F. Gasco. 1,503,582; Aug. 5.
Sharpening devices, Holder for razor blades for. F. J. Kalteyer. 1,504,050; Aug. 5.
Sharpening devices, Universal blade holder for. F. J. Kalteyer. 1,504,049; Aug. 5.
Sheet-bar-handling mechanism. W. J. Stoop. 1,503,670; Aug. 5
Sheet-glass machine, Edge holding and forming device for. H. G. Slingluff. 1,503,608; Aug. 5.
Sheet metal, Expanded. H. M. Gersman. 1,503,891; Aug. 5.
Shirt bosoms and the article formed thereby, Making auxiliary. W. I. Clements. 1,503,983; Aug. 5.
Shirts, Yoke construction for. C. M. Flora. 1,504,114; Aug. 5.
Shock absorber. F. E. Arndt. 1,504,012; Aug. 5.
Shock absorber. E. T. Bros. 1,503,881; Aug. 5.
Shock absorber. R. H. Jackson. 1,504,122; Aug. 5.
Shoe, Cushioned. W. H. Nickerson. 1,503,764; Aug. 5.
Shower baths, Spray head for. L. Simmons. 1,504,000; Aug. 5.
Sight leaf. M. C. Benner. 1,503,744; Aug. 5.
Sign, Electric. A. L. Faulkner. 1,504,112; Aug. 5.
Signal: *See*—
Automobile signal.
Automobile direction signal.
Automobile traffic signal.
Railway-crossing signal.
Silo structure and anchoring means therefor. J. Willey. 1,504,172; Aug. 5.
Skids, Antislipping device for. R. Friedley. 1,504,117; Aug. 5.
Skiving machine. F. W. Christy. 1,503,477; Aug. 5.
Sky-writing device. G. Hineman. 1,503,830; Aug. 5.
Slack-adjuster mechanism. L. W. Bieker. 1,503,468; Aug. 5.
Slack-adjuster mechanism. L. L. Whitney. 1,503,574; Aug. 5.
Slide plate. A. Morrison. 1,504,132; Aug. 5.
Smoking pipe. A. G. Blomster. 1,503,629; Aug. 5.
Snap switch. A. W. Clauder. 1,503,982; Aug. 5.
Snubber. G. C. Bradford. 1,504,086; Aug. 5.
Sodium carbonate, Forming. H. E. Cocksedge. 1,503,481; Aug. 5.
Sound-amplifying horn. J. B. Hawley. Des. 65,371; Aug. 5.
Sound at the striking of timepieces and clocks banging on the wall, Device for improving the fullness of. F. Weihenmeyer. 1,503,570; Aug. 5.
Sound-producing device. F. G. Schneider. 1,503,518; Aug. 5.
Sound-reproducing and other machines, Means for energizing or winding the spring motor of. H. S. Folk. 1,503,787; Aug. 5.
Sound signaling apparatus, Protective device in. W. Rudolph. 1,503,599; Aug. 5.
Spark plug. J. Blackburn. 1,503,974; Aug. 5.
Spark plug. A. de Clairmont. 1,503,643; Aug. 5.
Spindles and the like, Straightening. G. T. Clark. 1,504,024; Aug. 5.
Spinning machines, Drum for. W. J. Tallman and C. J. Bacon. 1,503,671; Aug. 5.
Spooling guides, Thread retainer for. C. F. Royce. 1,503,853; Aug. 5.
Spoon or similar article. W. F. Mowry. Des. 65,380–1; Aug. 5.

Springwheel. O. J. Linendoll. 1,503,593; Aug. 5.
Stamp, Hand. M. Sheras. 1,503,519; Aug. 5.
Steam generator. W. E. Travers. 1,503,614; Aug. 5.
Steel retainer. R. H. Wilhelm and F. W. Rudlin. 1,503,932; Aug. 5.
Steels, Apparatus for making drill. W. H. Wineman. 1,503,678; Aug. 5.
Steering knuckle. A. F. Masury. 1,503,511; Aug. 5.
Step plate. F. H. Stanwood. 1,503,773; Aug. 5.
Steroscopic pictures, Device for projecting and viewing. L. Pictet and M. Cantoni. 1,503,766; Aug. 5.
Stocking supporter. J. Roupp. 1,504,146; Aug. 5.
Stopper: *See*—
Flue stopper.
Well stopper.
Stove-door attachment. D. E. Leverett. 1,504,064; Aug. 5.
Stove, Oil. A. Meadows and A. G. Sherman. 1,503,660; Aug. 5.
Straightening machine. G. T. Clark. 1,504,023; Aug. 5.
Strainer. E. B. Hauer. 1,503,584; Aug. 5.
Strap: *See*—
Cinch strap.
Stuffing-box-casing head clamp, Adjustable. A. D. Purtle. 1,503,554; Aug. 5.
Sugar manufacture. J. V. N. Dorr. 1,503,644; Aug. 5.
Sugar, Manufacturing. P. M. McHugh. 1,503,657; Aug. 5.
Support. C. E. Smalley. 1,504,154; Aug. 5.
Surveying instrument. C. P. Mullens and W. C. Argust. 1,503,704; Aug. 5.
Swimming bag. A. A. and O. Anderson. 1,504,011; Aug. 5.
Swing, Child's. J. M. Elfe. 1,503,493; Aug. 5.
Switch: *See*—
Electric switch.
Snap switch.
Variable-resistance switch.
Switch. E. Weston. 1,503,869; Aug. 5.
Switching-mechanism, Selective. J. Erickson. 1,503,785; Aug. 5.
Syringe. W. E. Dewey. 1,503,579; Aug. 5.
Table: *See*—
Ironing table.
Table. A. H. Kroschel. 1,503,689; Aug. 5.
Tacheometer, Reducing. A. König. 1,503,758; Aug. 5.
Tag and seal, Combined. N. Holland. 1,503,587; Aug. 5.
Tank, Liquid-fuel-distributing. D. A. Weaver. 1,504,006; Aug. 5.
Telemeter. O. Eppenstein. 1,503,752; Aug. 5.
Telephone headset. R. H. Manson. 1,503,908; Aug. 5.
Telephone mouthpieces, Sanitary attachment for. H. C. Somers. 1,504,156; Aug. 5.
Telephone repeater circuits. H. Nyquist. 1,504,135; Aug. 5.
Telephone switching system. F. M. Slough. 1,503,923; Aug. 5.
Telephone systems, Metering arrangement for automatic. W. T. Powell. 1,503,916; Aug. 5.
Temperature indicators, Illuminating attachment for. J. C. Parsons and L. W. Silvis. 1,503,914; Aug. 5.
Terminal-setting tool. E. Bergman. 1,503,973; Aug. 5.
Thermometer and oven-door handle, Combination. H. F. Penney. 1,503,994; Aug. 5.
Thread guide. W. H. Sanders. 1,503,713; Aug. 5.
Threads or cords, Machine for uniting. W. H. Pearson and T. J. Kelly. 1,503,688; Aug. 5.
Ticket-delivering machine. A. Marsh and H. P. Alais. 1,503,841; Aug. 5.
Tie: *See*—
Railway tie.
Tile press. E. W. Zeh. 1,503,619; Aug. 5.
Tins, Cover and opening of hermetically-sealed. F. J. Snook. 1,503,855; Aug. 5.
Tire beads, Ring for. H. Z. Cobb. 1,503,883; Aug. 5.
Tire grip. F. L. Taylor. 1,503,725; Aug. 5.
Tire-pressure device. O. H. Hansen. 1,504,119; Aug. 5.
Tire, Rubber. L. P. Holloway. Des. 65,373; Aug. 5.
Tires, Manufacture of solid rubber. C. Macbeth and H. Willshaw. 1,504,130; Aug. 5.
Tires, Overshoe for. H. S. Bennett. 1,503,466; Aug. 5.
Tobacco pipe. F. T. Hites. 1,503,531; Aug. 5.
Tongue hound, Adjustable. J. Sadler. 1,503,712; Aug. 5.
Tool holder, Back-. G. Gronner. 1,503,893; Aug. 5.
Toothbrush. W. E. Roberts. 1,504,143; Aug. 5.
Top lifts, Machine for feeding and delivering. T. Lund. 1,503,542; Aug. 5.
Torpedo, Railway signal. J. W. Edmands. 1,504,032; Aug. 5.
Towel winder, Wet-. G. A. Steiner. 1,503,858; Aug. 5.
Toy, Inflatable sheet-rubber. F. T. Roberts. 1,504,079; Aug. 5.
Toy, Mechanical. P. K. Williams 1,503,735; Aug. 5.
Toy vehicle. R. E. Wyatt. 1,504,177; Aug. 5.
Track mechanism, Self-laying. E. E. Wickersham. 1,503,617; Aug. 5.
Tractor. C. L. Best. 1,503,628; Aug. 5.
Tractor. W. W. MacDonald. 1,503,658; Aug. 5.
Tractor attachment. L. G. Zesbaugh. 1,503,620; Aug. 5.
Tractor attachment for furrowing. M. Belsley. 1,503,626; Aug. 5.
Tractor construction. E. E. Wickersham. 1,503,616; Aug. 5.
Tractor suspension. W. Turnbull. 1,503,615; Aug. 5.
Tractors, Overturning prevention for. A. Rodi. 1,503,851 Aug. 5.
Tractors, Roller truck frame for. E. F. Norelius. 1,503,597; Aug. 5.
Tractors, Wood-sawing attachment for. C. L. Sockwell. 1,503,856; Aug. 5.
Trailer. O. E. and J. T. Clark. 1,504,190; Aug. 5.
Train-control system, Automatic. J. N. Paul. 1,504,075; Aug. 5.
Train-control system, Automatic. S. N. Wight. 1,504,173; Aug. 5.
Transmission housing and support therefor. T. A. Barker. 1,503,681; Aug. 5.
Trap. A. B. Cobbs. 1,503,480; Aug. 5.
Tray and cigarette case, Combination ash. J. J. Helm. 1,503,949; Aug. 5.
Tray, Dental. A. M. Epstein. 1,503,580; Aug. 5.
Tray table top and display device, Adjustable. J. P. Claytor. 1,503,746; Aug. 5.
Trays, Chest of. F. F. Hamilton. 1,503,894; Aug. 5.
Tricycle. A. O. Hubbard. 1,503,832; Aug. 5.
Trolley guide. F. Gross. 1,503,826; Aug. 5.
Trolley wheel. G. S. Moore. 1,504,071–2; Aug. 5.
Trolley wheel. O. Moore. 1,504,070; Aug. 5.
Truck bolster, Six-wheel-. L. Richardson. 1,503,517; Aug. 5.
Truck side frame. H. E. Doerr. 1,503,491; Aug. 5.
Truck, Six-wheel car. J. A. Pilcher. 1,503,847; Aug. 5.
Truck, Tilting-box. P. J. Madigan. 1,503,906; Aug. 5.
Truck, Trailer. A. B. Cadman. 1,503,815; Aug. 5.
Trunk fixture. C. P. Albert. 1,503,462; Aug. 5.
Tube: *See*—
Drying tube.
Tube-vulcanizing device. J. G. Moomy. 1,503,798; Aug. 5.
Turbine engine, Fluid-operated. G. L. Kraber. 1,503,508; Aug. 5.
Turbine installation. J. H. Felthousen. 1,504,113; Aug. 5.
Turbine, Steam. E. Blucker. 1,503,812; Aug. 5.
Typewriter. F. R. Frederick. 1,503,753; Aug. 5.
Typewriter-ribbon spool. D. C. Harris. 1,503,896; Aug. 5.
Typewriter sheet. J. A. Lancaster. 1,503,837; Aug. 5.
Typewriting machine. L. A. Nemcovsky. 1,504,199–200; Aug. 5.
Typewriting machine and the elements thereof. L. A. Nemcovsky. 1,504,198; Aug. 5.
Typewriting machine, Automatic. T. D. Metropole and T. M. Cottakis. 1,503,697; Aug. 5.
Undergarment, Child's combination. F. Busenburg. 1,503,474; Aug. 5.
Universal joint and housing. D. M. White. 1,503,571; Aug. 5.
Universal turning fixture. J. L. Perkins and L. E. Delorbia. 1,503,995; Aug. 5.
Vacuum-tube circuits. H. M. Pruden. 1,503,709; Aug. 5.
Valve. L. E. Johnston. 1,504,047; Aug. 5.
Valve-adjustment device. A. J. Amos and W. F. Villiers. 1,503,463; Aug. 5.
Valve, Float. N. Grilich. 1,503,686; Aug. 5.
Valve, Flush. D. Landro. 1,503,655; Aug. 5.
Valve for engines actuated by steam or other motive fluid, Controlling. L. A. Darling. 1,503,683; Aug. 5.
Valve for regenerative furnaces, Reversing. W. O. Amsler. 1,503,465; Aug. 5.
Valve-lifting tool. L. H. Brisbin. 1,504,089; Aug. 5.
Valve mechanism for refrigerating apparatus. F. O. Conili. 1,503,482; Aug. 5.
Valve motor, Supercharging auxiliary-exhaust poppet-. E. R. Burtnett. 1,504,095; Aug. 5.
Valve or cock, Float-operated. C. H. Wilkinson. 1,503,734; Aug. 5.
Vanity box. N. Kasdan and D. Pollack. 1,503,955; Aug. 5.
Vanity box. A. S. Lyhne. 1,503,760; Aug. 5.
Vanity case. G. G. Martin. 1,503,594; Aug. 5.
Vanity case and purse, Combination. A. Callahan. 1,503,979; Aug. 5.
Vaporizer. A. F. Dayton. 1,503,642; Aug. 5.
Variable-resistance switch. S. F. Briggs and E. N. Jacobi. 1,504,021; Aug. 5.
Vehicle, Child's. B. Brady. 1,503,878; Aug. 5.
Vehicle draft appliance, Motor-. R. G. Kilkenny. 1,504,056; Aug. 5.
Vehicle, Dumping. L. S. Rice. 1,503,710; Aug. 5.
Vehicle platform, Tiltable. M. Baker. 1,503,781; Aug. 5.
Vehicle steering and electric motor controlling mechanism, Combined. W. Davis. 1,503,938; Aug. 5.
Vehicle washer. R. L. Geaslen. 1,504,038; Aug. 5.
Vehicles, Route indicator for. C. B. Tsagris. 1,503,727; Aug. 5.
Ventilator: *See*—
Cowl ventilator.
Ventilator. R. K. and G. D. Slaymaker and T. N. Bourke. 1,503,607; Aug. 5.
Vessel, Sailing. C. W. A. Koelkebeck. 1,504,057; Aug. 5.
Vial machines, Feeding device for. B. T. Headley and P. H. Thompson. 1,503,585; Aug. 5.
Vise, Bench. H. E. Singleton. 1,503,606; Aug. 5.
Wagon brake. J. R. Woodall. 1,503,933; Aug. 5.
Wagon drill. C. C. Hansen. 1,503,895; Aug. 5.
Wall and brick therefor. S. H. Wightman. 1,503,931; Aug. 5.
Wall bracket. B. Newland. Des. 65,383; Aug. 5.
Washer: *See*—
Vehicle washer.

Washing machine. J. J. Kenyon. 1,504,053; Aug. 5.
Washing-machine drives, Reversing mechanism for. J. R. Spencer. 1,504,084; Aug. 5.
Water distributor. T. H. Wilson. 1,503,736; Aug. 5.
Water-tube boiler. A. Cotton. 1,504,026; Aug. 5.
Weed exterminator. F. M. Kelso. 1,503,654; Aug. 5.
Welding cast iron to steel. P. M. Hall. 1,503,827; Aug. 5.
Welding metals. H. Goldschmidt and G. Schönwald. 1,503,825; Aug. 5.
Well-drilling nipple. W. Kay. 1,504,052; Aug. 5.
Godbold. 1,503,476; Aug. 5.
Well-drilling nipple. W. Key. 1,504,052; Aug. 5.
Well elevator. J. Grant. 1,503,789; Aug. 5.
Well stopper. G. H. McLean. 1,503,693; Aug. 5.
Wells, Packing box for oil. J. Barnes. 1,503,782; Aug. 5.
Wheel: *See*—
Resilient wheel.
Spring wheel.
Trolley wheel.
Wheel or track roller, Resilient. L. B. Moody. 1,503,844; Aug. 5.
Wheel rim and pneumatic-tire cover. J. W. Bryant. 1,503,976; Aug. 5.
Wheel rim, Auxiliary traction-. H. B. Foley. 1,503,684; Aug. 5.
Wheel tooth-cleaning device, Traction. F. M. Heinig. 1,503,499; Aug. 5.
Wheels, Gearing transmitting drive to vehicle. C. K. Edwards. 1,504,033; Aug. 5.
Winding mechanism. W. H. Pearson and T. J. Kelly. 1,503,706; Aug. 5.
Windmill mount. C. Dulak. 1,503,526; Aug. 5.
Window-cleaning device. F. Miller. 1,504,069; Aug. 5.
Window shade. T. J. Moore. 1,503,709; Aug. 5.
Wire fabric, Machine for manufacturing coiled-. H. A. Fraser and P. F. Crighton. 1,503,944–15; Aug. 5.
Wire-line clamp. J. R. Brady. 1,504,087; Aug. 5.
Wire straightening and swaging machine. A. J. Gerrard and P. Wright. 1,503,583; Aug. 5.
Wood and like fastening. W. Bachmann. 1,503,622; Aug. 5.
Wood-carving machine. J. Janes. 1,503,899; Aug. 5.
Wood-beel clamp. T. F. Tyler. 1,503,728; Aug. 5.
Woodworking machines, Thickness indicator for. A. Col. 1,503,636; Aug. 5.
Wrench: *See*—
Hand wrench.
Pipe wrench.
Ratchet wrench.
Wrench. J. H. Faw. 1,504,035; Aug. 5.
Wrench. W. A. Norton. 1,503,662; Aug. 5.
Zinc, Electric furnace and precipitator for producing oxide of. J. Thomson and F. A. J. Fitzgerald. 1,503,564; Aug. 5.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 5, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 3: 1,503,494
2— 8: 1,504,029
12: 1,503,868
30: 1,503,816
48: 1,504,016
80: 1,503,474
92: 1,504,114
120: 1,503,983
123: 1,504,115
201: 1,503,537
248: R. 15,886
3— 12: 1,504,121
4— 57: 1,503,655
148: 1,504,129
8— 8: 1,503,719
9— 17: 1,504,011
21: 1,503,624
11— 1: 1,503,771
12— 125: 1,503,728
128.5: 1,503,653
15— 117: 1,504,069
135: 1,504,143
16— 39: 1,503,535
88: 1,503,545
116: 1,503,536
17— 1: 1,504,013
21: 1,503,739
34: 1,504,010
18— 15: 1,504,183
38: 1,503,708
42: 1,503,666
53: 1,503,702
56: 1,503,665
19— 17: 1,503,788
20— 1.2: 1,504,168
1.4: 1,504,172
3: 1,504,078
74: 1,503,929
79: 1,503,773
92: 1,503,622
22— 69: 1,503,814
204: 1,503,825
23— 3: 1,503,823
13: 1,503,603
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1,504,036
22: 1,503,481
24— 101: 1,503,567
121: 1,504,043
134: 1,503,567
136: 1,504,087
143: 1,504,157
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27— 11: 1,503,958
28— 54: 1,503,637
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86.3: 1,504,089
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157.6: 1,503,409
164: 1,503,573
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42— 3: 1,503,568
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46— 4: 1,503,720
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54— 23: 1,503,715
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55— 83: 1,504,104
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108: 1,503,625
56— 297: 1,503,732
365: 1,503,796
58— 1: 1,503,570
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62: 1,503,922
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62— 118: 1,503,598
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68— 10: 1,503,885
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76: 1,503,565
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87— 6: 1,503,751
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2.6: 1,503,752
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89— 37: 1,503,589
90— 1: 1,503,996
13.5: 1,503,899
91— 3: 1,503,527
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122— 255: 1,503,614
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254— 94: 1,503,532
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256— 19: 1,503,902
257— 132: 1,503,485
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1,503,616
10: 1,503,611
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Golf clubs. 187,933; Aug. 12; Serial No. 194,503; published May 27, 1924.

Air Reduction Company, Incorporated, New York, N. Y. Oxyacetylene cutting apparatus. 187,877; Aug. 12; Serial No. 193,487; published May 13, 1924.

Aktiebolaget Dentosal, Stockholm, Sweden. Preparations for conservations of the teeth and month. 187,986; Aug. 12; Serial No. 191,248; published June 3, 1924.

Alabama Packing Company, Birmingham, Ala. Cured hams, boiled hams, and bacon. 187,734; Aug. 12; Serial No. 189,440; published May 27, 1924.

Alderman, Fairchild Company, Rochester, N. Y. Table game. 187,898; Aug. 12; Serial No. 191,999; published June 3, 1924.

Alexander Manufacturing Company, Forest City, N. C. Bed sheetings and bed sheets. 187,847; Aug. 12; Serial No. 194,506; published June 3, 1924.

Al-Mor Fireworks & Novelty Co. (See Morris, Paul C.)

American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Diastatic preparation. 187,814; Aug. 12; Serial No. 194,239; published May 20, 1924.

American Cyanamid Company, New York, N. Y. Insecticides. 187,815; Aug. 12; Serial No. 194,241; published May 20, 1924.

American Enameled Products Co., Chicago, Ill. Porcelain and baked enameled articles. 188,001; Aug. 12.

American Flyer Mfg. Co., Chicago, Ill. Mechanical toys. 187,909; Aug. 12; Serial No. 190,863; published May 27, 1924.

American Gauze & Cotton Company, Cape Girardeau, Mo. Absorbent cotton, gauze, bandages, plasters. 187,899; Aug. 12; Serial No. 191,933; published May 27, 1924.

American Record Manufacturing Company, Framingham, Mass. Phonograph records. 187,923; Aug. 12; Serial No. 194,895; published May 20, 1924.

Apco Manufacturing Company, Providence, R. I. Battery charges. 187,885; Aug. 12; Serial No. 193,794; published May 27, 1924.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Fireless cookers. 187,702; Aug. 12; Serial No. 188,517; published May 6, 1924.

Archer-Jahtzen Co. Inc., New York, N. Y. Pillowcases. 187,921; Aug. 12; Serial No. 194,766; published May 27, 1924.

Arma Ice Cream and Bottling Works. (See Zafuta, Mary.)

Aronson, Jacob I., doing business as Aronson Coat Co., Boston, Mass. Rubberized raincoats, topcoats, and overcoats. 187,987; Aug. 12; Serial No. 191,469; published May 6, 1924.

Astleford, Robert J., Hazleton, Pa. Furniture polish. 187,882; Aug. 12; Serial No. 193,650; published Apr. 29, 1924.

Atlantic Paint and Varnish Remover Company, Boston, Mass. Paint and varnish remover. 187,736; Aug. 12; Serial No. 194,509; published May 20, 1924.

Audiger & Meyer Silk Company, Paterson, N. J., and New York, N. Y. Silk piece goods. 187,778; Aug. 12; Serial No. 193,983; published May 27, 1924.

Auto Wheel Coaster Company Inc., North Tonawanda, N. Y. Juvenile wagons. 187,848; Aug. 12; Serial No. 194,510; published May 27, 1924.

Baker Paint & Varnish Co., Jersey City, N. J. Ready-mixed paints and varnishes. 187,781; Aug. 12; Serial No. 194,041; published May 20, 1924.

Baker Paint & Varnish Co., doing business as Communipaw Paint Works, Jersey City, N. J. Mixed paints. 187,880; Aug. 12; Serial No. 193,566; published May 20, 1924.

Banning Canning Co., Banning, Calif. Canned fruits. 187,795; Aug. 12; Serial No. 164,299; published May 15, 1923.

Barbour, J. E., Company, Paterson, N. J. Thread. 187,779; Aug. 12; Serial No. 193,984; published May 27, 1924.

Barney Google Spark Plug Company. (See Watson, Hugh W.)

Be Rolunt Products Company. (See Hunt, Byron R.)

Beauti-Craft Co., Chicago, Ill. Cold and vanishing creams, face and bath powders. 187,695; Aug. 12; Serial No. 189,960; published May 20, 1924.

Berlin, Irving, Inc., doing business as Greene's, Chicago, Ill. Coats, suits, dresses, etc. 188,011; Aug. 12.

Bigelow-Hartford Carpet Co., Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Textile carpets and rugs. 187,907; Aug. 12; Serial No. 191,052; published Mar. 25, 1924.

Blanks, Annie B., doing business as Madame A. B. Blanks Mfg. Co., Portsmouth, N. H. Preparation for treating the hair and scalp, etc. 187,750; Aug. 12; Serial No. 194,331; published May 20, 1924.

Bleyer & Weinberg, New York, N. Y. Dress goods of silk. 187,835; Aug. 12; Serial No. 193,655; published June 3, 1924.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 187,922; Aug. 12; Serial No. 194,779; published May 27, 1924.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 187,925–6; Aug. 12; Serial No. 194,973–4; published May 27, 1924.

Blum's, Incorporated, Chicago, Ill. Perfumes, powders, rouges, etc. 187,860; Aug. 12; Serial No. 193,091; published May 20, 1924.

Boehringer, C. H., Sohn, Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany. Acetylene for medicinal purposes, morphine derivatives, diethyl barbituric acid, etc. 187,796; Aug. 12; Serial No. 167,222; published May 20, 1924.

Bornstein, Emil, Inc., New York, N. Y. Portable phonographs. 188,018; Aug. 12.

Borrelli & Vitelli, New York, N. Y. Pearl necklaces and pearl strings. 187,692; Aug. 12; Serial No. 192,594; published May 6, 1924.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Magneto-electric ignition systems for internal-combustion engines and parts thereof. 187,960; Aug. 12; Serial No. 170,365; published June 3, 1924.

Boston Insulated Wire & Cable Co., Boston, Mass. Electric wires or cables. 188,023; Aug. 12.

Boston Store of Chicago, Inc., Chicago, Ill. Gingham piece goods. 187,844; Aug. 12; Serial No. 194,095; published June 3, 1924.

Boucher Cork & Machine Co., Inc., New York, N. Y. Corks. 187,806; Aug. 12; Serial No. 177,356; published May 13, 1924.

Brenco Corporation, Minneapolis, Minn. Electrically-actuated gas-control appliances for water heaters, and parts thereof. 187,797; Aug. 12; Serial No. 169,801; published May 27, 1924.

Brewer-Titchener Corporation, The, Cortland, N. Y. Metal upholstery trimming goods. 187,912; Aug. 12; Serial No. 190,668; published May 27, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Cooking utensils made of aluminum and other metals. 187,866; Aug. 12; Serial No. 192,888; published May 27, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Electric lamps and incandescent bulbs. 187,939; Aug. 12; Serial No. 192,891; published June 3, 1924.

Bruce, Edward W., doing business as Superior Varnish Re-New-Er Co., Santa Ana, Calif. Varnish. 187,979–80; Aug. 12; Serial Nos. 190,717–18; published Apr. 22, 1924.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard chalk. 187,770; Aug. 12; Serial No. 194,905; published May 27, 1924.

California Bottling Company, Inc., Washington, D. C. Beverages sold as soft drinks. 187,706; Aug. 12; Serial No. 186,215; published May 27, 1924.

Canada Dry Ginger Ale, Inc., New York, N. Y. Ginger ale. 187,710; Aug. 12; Serial No. 184,645; published May 27, 1924.

Carlson, Gustav O., East Hartford, Conn. Tool adjustable for use as a wrench or pliers. 187,886; Aug. 12; Serial No. 193,804; published May 27, 1924.

Challenger Rubber Manufacturers. (See New England Mills Company.)

Chappell, William R., doing business as Universal Cover Fastener Company, New York, N. Y. Cover nets. 187,741; Aug. 12; Serial No. 194,433; published May 27, 1924.

Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Carbolic acid, pyrogallic and phosphoric acid, etc. 187,790; Aug. 12; Serial No. 150,061; published June 3, 1924.

Chrysler Motor Corporation, Detroit, Mich. Automobiles and their structural parts. 187,901; Aug. 12; Serial No. 191,746; published May 13, 1924.

Cleveland Apparatus Company, The, Grafton, Ohio. Radio receiving sets. 187,971; Aug. 12; Serial No. 183,318; published June 3, 1924.

Cohen & Wilks. (See Quas Cohen, P. M.)

Coleman, Vincent B., Los Angeles, Calif. Table game. 187,948; Aug. 12; Serial No. 193,504; published May 27, 1924.

Collins Company, The, Collinsville, Conn. Axes, hatchets, chisels, swords, etc. 187,954; Aug. 12; Serial No. 177,122; published May 27, 1924.

Communipaw Paint Works. (See Baker Paint & Varnish Co.)

Continental Electric Co., Inc., Newark, N. J. Electric motors and generators, alternators, etc. 187,900; Aug. 12, Serial No. 191,813; published June 3, 1924.

Cope Bros. & Co. Ltd., Liverpool and London, England. Smoking tobacco. 187,771; Aug. 12; Serial No. 194,853; published June 3, 1924.

Cordner, Edward Q., assignor to Potato Dog Corporation, Chicago, Ill. Sandwiches. 187,958; Aug. 12; Serial No. 171,528; published May 27, 1924.

Dasco Import Co., Inc., New York, N. Y. Pipes and cigar and cigarette holders. 187,893; Aug. 12; Serial No. 192,247; published June 3, 1924.

Davis and Voetsch, Inc., New York, N. Y. Stuffed toy dogs. 187,769; Aug. 12; Serial No. 194,912; published June 3, 1924.

Defexo Co., The. (See Gregg, Samuel M.)

Defiance Dairy Products Company, The, Defiance, Ohio. Evaporated milk. 187,904; Aug. 12; Serial No. 191,604; published May 27, 1924.

Deltox Grass Rug Company, Oshkosh, Wis. Wool-fiber rugs. 187,748; Aug. 12; Serial No. 194,339; published May 27, 1924.

Deltox Grass Rug Company, Oshkosh, Wis. Fiber rugs. 187,749; Aug. 12; Serial No. 194,338; published May 27, 1924.

Dermideal Laboratories, New Bedford, Mass. Skin lotion. 187,745; Aug. 12; Serial No. 194,397; published May 20, 1924.

Dial, George H., doing business as Dial Tent & Awning Co., Columbus, Ohio. Tents. 187,785; Aug. 12; Serial No. 187,205; published Dec. 11, 1923.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns and the burners and metal parts thereof. 187,676; Aug. 12; Serial No. 191,875; published May 13, 1924.

Domino Record Co. (See Kronberg, Sol.)

Dorham Chemical Works. (See Hamel, Leo C.)

Double Eagle Bottling Co., The, Cleveland, Ohio. Beverages sold as soft drinks and sirups and extracts for making the same. 187,957; Aug. 12; Serial No. 173,761; published May 27, 1924.

Dowd, J. C., & Co. Inc., New York, N. Y. Manicure sets. 187,940; Aug. 12; Serial No. 192,902; published May 27, 1924.

Dubilier Condenser & Radio Corporation, New York, N. Y. Variable electrical condensers, radiofrequency transformers, etc. 188,015; Aug. 12.

Eavey Co., The, Xenia, Ohio. Coffee, breakfast cereals, pancake flour, etc. 187,962; Aug. 12; Serial No. 164,698; published May 27, 1924.

Economy Heater Co., Inc., Lynn, Mass. Fuel-oil burners. 187,701; Aug. 12; Serial No. 189,187; published Apr. 15, 1924.

Elder Mfg. Co., St. Louis, Mo. Cloth of cotton, silk, wool, etc., in the piece and belt. 187,850; Aug. 12; Serial No. 194,594; published May 27, 1924.

Electrical Research Laboratories, Chicago, Ill. Radio electrical appliances. 187,981; Aug. 12; Serial No. 190,773; published May 6, 1924.

Elgin American Manufacturing Co., Elgin, Ill. Cosmetic containers. 187,704; Aug. 12; Serial No. 188,110; published May 20, 1924.

Elgin Radio Corporation, Elgin, Ill. Radio receiving sets and parts thereof. 187,891; Aug. 12; Serial No. 193,908; published May 27, 1924.

Elliott Varnish Co., Chicago, Ill. Asphalt paint. 187,878; Aug. 12; Serial No. 193,509; published Apr. 29, 1924.

Encore Phonograph Co. (See Krasco Manufacturing Company.)

Ensign-Bickford Co., The, Simsbury, Conn. Fuse for blasting and mining purposes. 187,764–5; Aug. 12; Serial No. 195,161–2; published June 3, 1924.

Epstein, Isaac J., doing business as Epstein Pharmacal Co., San Francisco, Calif. Cough waffles. 187,989; Aug. 12; Serial No. 191,676; published May 20, 1924.

Etna Watch Co., New York, N. Y. Time recorders, clocks, and watches. 188,007–8; Aug. 12.

Ever Grip Wrench Company, Chicago, Ill. Wrenches. 187,903; Aug. 12; Serial No. 191,607; published May 27, 1924.

Eyrle. (See Levy, Eyrle R.)

Fahrenwald, Frank A., Cleveland Heights, Ohio. Alloys. 187,789; Aug. 12; Serial No. 188,899; published May 27, 1924.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Photographic papers and films. 187,856; Aug. 12; Serial No. 193,219; published May 20, 1924.

Finn, J. A., & Company, New York, N. Y. Cotton piece goods. 187,927; Aug. 12; Serial No. 194,988; published May 27, 1924.

First Texas Chemical Manufactnring Company, Dallas, Tex. Medicine for the treatment of amenorrhea, etc. 187,990; Aug. 12; Serial No. 191,691; May 20, 1924.

First Texas Chemical Manufacturing Company, Dallas, Tex. Medicine for digestive and stomach troubles. 187,991; Aug. 12; Serial No. 191,692; published May 20, 1924.

First Texas Chemical Manufacturing Company, Dallas, Tex. Ointment for treatment of skin infections. 187,992; Aug. 12; Serial No. 191,693; published May 20, 1924.

Flowers Product Company, Pittsburgh, Pa. Candy. 187,947; Aug. 12; Serial No. 193,452; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,717–20; Aug. 12; Serial Nos. 195,392–5; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,721; Aug. 12; Serial No. 195,390; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,723; Aug. 12; Serial No. 195,386; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,724–6; Aug. 12; Serial Nos. 195,382–4; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,727; Aug. 12; Serial No. 195,380; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,728–30; Aug. 12; Serial Nos. 195,376–8; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,752–5; Aug. 12; Serial Nos. 195,372–5; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,756–7; Aug. 12; Serial Nos. 195,367–8; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,758–60; Aug. 12; Serial Nos. 195,363–5; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,817; Aug. 12; Serial No. 195,341; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,822; Aug. 12; Serial No. 195,343; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,823–5; Aug. 12; Serial Nos. 195,345–7; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,826; Aug. 12; Serial No. 195,349; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,827; Aug. 12; Serial No. 195,352; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,828–9; Aug. 12; Serial Nos. 195,355–6; published May 27, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,830–4; Aug. 12; Serial Nos. 195,358–62; published May 27, 1924.

Foster Screen Co. Inc., The, Newark, N. J. Window screens. 187,845; Aug. 12; Serial No. 194,101; published May 27, 1924.

Frazier, F. A., Company, San Francisco, Calif. Insecticide and fungicide. 187,919; Aug. 12; serial No. 194,699; published June 3, 1924.

Frazier, F. A., Company, San Francisco, Calif. Insecticide. 187,920; Aug. 12; Serial No. 194,700; published June 3, 1924.

Frizzell & Rountrey, Norfolk, Va. Spark plugs. 187,945; Aug. 12; Serial No. 193,228; published June 3, 1924.

Gebruder Siemens & Company, Berlin-Lichtenberg, Germany. Electric-arc electrodes of carbon and apparatus for electric lighting. 187,963–4; Aug. 12; Serial Nos. 159,960–1; published June 3, 1924.

Gem Safety Razor Corporation, Brooklyn, N. Y. Safety razors, safety-razor blades, and sets. 187,946; Aug. 12; Serial No. 193,229; published May 27, 1924.

General Candy Co., San Francisco, Calif. Candy. 187,679; Aug. 12; Serial No. 192,016; published May 27, 1924.

Glemby's, S., Sons Co., Inc., New York, N. Y. Creams, face powder, rouge, etc. 187,858; Aug. 12; Serial No. 193,106; published May 20, 1924.

Glemby's, S., Sons Co., Inc., New York, N. Y. Creams, face powder, rouge, etc. 187,859; Aug. 12; Serial No. 193,102; published May 20, 1924.

Goethel, Alfred C., Co., The, Milwaukee, Wis. Roof ventilators and chimney hoods. 187,804; Aug. 12; Serial No. 176,618; published May 6, 1924.

Goldberg Brothers, Denver, Colo. Liquid-fuel camp stoves. 187,884; Aug. 12; Serial No. 193,766; published May 13, 1924.

Goldenberg's, Washington, D. C. Shoe lasts, blind awnings, rubber cloth and mats, etc. 187,798; Aug. 12; Serial No. 170,637; published May 13, 1924.

Goldstein Manufacturing Company, The, Buffalo, N. Y. Metallic pencils. 187,955; Aug. 12; Serial No. 175,389; published June 3, 1924.

Goodrich, B. F., Company, The, New York, N. Y. Hose. 187,768; Aug. 12; Serial No. 194,993; published May 20, 1924.

Gordon, Samuel, New York, N. Y. Pipes, cigar and cigarette holders, humidors, etc. 187,715; Aug. 12; Serial No. 195,635; published June 3, 1924.

Greene's. (See Berlin, Irving, Inc.)

Gregg, Samuel M., doing business as The Defexo Co., Tulsa, Okla. Insecticides, germicides, and disinfectants. 187,855; Aug. 12; Serial No. 193,230; published June 3, 1924.

Gretsch, Fred, Mfg. Co., The, Brooklyn, N. Y. Musical instruments. 187,744; Aug. 12; Serial No. 194,400; published May 20, 1924.

Grove, Rene D., Middletown, Pa. Jointed figure toys. 187,853; Aug. 12; Serial No. 194,796; published June 3, 1924.

Haartz, J. C., Company, Boston, Mass. Piece goods used for automobile tops and other waterproof surfaces. 187,782; Aug. 12; Serial No. 194,060; published May 13, 1924.

Hagerling, Fredrick J., St. Louis, Mo. Tire patches. 187,840; Aug. 12; Serial No. 193,832; published May 20, 1924.

Hall, W. F., Printing Company, Chicago, Ill. Printing plates. 187,708; Aug. 12; Serial No. 184,726; published May 13.

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 187,908; Aug. 12; Serial No. 190,965; published June 3, 1924.

Hamel, Leo C., doing business as Dorham Chemical Works, River Rouge, Mich. Medicated salve. 187,685; Aug. 12; Serial No. 192,327; published May 20, 1924.

Heberlein & Co., A. G., Wattwil, Switzerland. Cotton fabrics in the piece. 187,703; Aug. 12; Serial No. 188,481; published June 3, 1924.

Heller, E., & Brother Inc., New York, N. Y. Handkerchiefs. 187,852; Aug. 12; Serial No. 194,710; published May 27, 1924.

Hemming Bros. Co., The, New Haven, Conn. Kitchen and table knives and forks. 188,017; Aug. 12.

Hide Leather & Belting Co., Indianapolis, Ind. Leather belting. 187,799; Aug. 12; Serial No. 174,009; published May 6, 1924.

Huber, J. M., Inc., Bayonne, N. J., and New York, N. Y. Printing inks. 187,691; Aug. 12; Serial No. 192,572; published May 13, 1924.

Hunt, Byron R., doing business as Be Rolunt Products Company, Carmel, Ind. Combination music rack and music-sheet turner. 187,881; Aug. 12; Serial No. 193,591; published May 20, 1924.

Hurty-Peck & Company, Indianapolis, Ind. Beverage sold as a soft drink. 187,969; Aug. 12; Serial No. 185,280; published May 27, 1924.

I-Do Polish Co., The, Cleveland, Ohio. Polishing preparations. 187,887; Aug. 12; Serial No. 193,835; published May 20, 1924.

Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Air compressors and pumps. 188,010; Aug. 12.

Inter-Ocean Radio Corporation, New York, N. Y. Receiving sets for wireless apparatus and horns therefor. 187,998; Aug. 12.

Jaenecke-Ault Company, Newark, N. J. Printing inks. 187,984; Aug. 12; Serial No. 191,022; published May 6, 1924.

Johns-Manville, Incorporated, New York, N. Y. Gasketing tape. 187,675; Aug. 12; Serial No. 191,709; published May 13, 1924.

Johnson Electric Washer Co., Emeryville, Calif. Clothes-washing machines. 187,892; Aug. 12; Serial No. 193,926; published May 13, 1924.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Lacquer. 187,993; Aug. 12; Serial No. 194,450; published May 20, 1924.

Josephson, Henry, doing business as Josephson Products Company, Los Angeles, Calif. Doorstops. 187,767; Aug. 12; Serial No. 195,110; published May 27, 1924.

Jo-Vex Chemical Products Company, The, Akron, Ohio. Astringent antiseptic, germicide, and deodorant. 187,773; Aug. 12; Serial No. 193,927; published June 3, 1924.

K's Inc., New York, N. Y. Game tables and score cards. 187,784; Aug. 12; Serial No. 187,007; published May 27, 1924.

Kayser, Julius, & Co., New York, N. Y. Cotton, silk, cotton and silk, and art-silk piece goods. 187,733; Aug. 12; Serial No. 189,506; published Mar. 25, 1924.

Keramik Company, Brooklyn, N. Y. Cleansing packs. 187,751; Aug. 12; Serial No. 194,274; published May 20, 1924.

Kestenman Brothers Mfg. Co., Providence, R. I. Lingerie clasps, bracelets, scarfpins, etc. 187,873; Aug. 12; Serial No. 193,292; published May 13, 1924.

Kimball, Sarah F., Pawling, N. Y. Antirheumatic ring. 187,950; Aug. 12; Serial No. 193,602; published May 27, 1924.

Knapp Extract Co., Cleveland, Ohio. Vanishing creams. 187,888; Aug. 12; Serial No. 193,839; published May 20, 1924.

Krasco Manufacturing Company, of which the Encore Phonograph Co. is a branch, Chicago, Ill. Phonographs. 187,696; Aug. 12; Serial No. 189,796; published May 6, 1924.

Kronberg, Sol, doing business as Domino Record Co., New York, N. Y. Phonograph records. 187,931; Aug. 12; Serial No. 195,174; published May 20, 1924.

Laboratorio Iodarsenico Giuseppe Guidotti & C., Pisa, Italy. Tonic. 187,819; Aug. 12; Serial No. 134,074; published June 3, 1924.

Ladew, Edward R., Company, Inc., New York, N. Y. Leather belting. 187,772; Aug. 12; Serial No. 193,929; published May 6, 1924.

Lamb Machine Company, Hoquiam, Wash. Steel, iron, and bronze castings. 188,021; Aug. 12.

Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavorings and colorings for soft drinks. 187,842–3; Aug. 12; Serial No. 193,930–1; published May 27, 1924.

Lentheric, Inc., New York, N. Y. Perfume. 187,746–7; Aug. 12; Serial No. 194,359–60; published May 20, 1924.

Leonard, Ernest B., Charlotte, N. C. Cigars. 187,786; Aug. 12; Serial No. 187,426; published May 27, 1924.

Levi & Seligman, Inc., Brooklyn, N. Y. Silk knitted cloth in the bolt and in the piece. 187,732; Aug. 12; Serial No. 189,509; published June 3, 1924.

Levy, Charles M., & Son, New York, N. Y. Rings, bracelets, etc. 187,867; Aug. 12; Serial No. 192,848; published May 6, 1924.

Levy, Eyrle R., doing business as Eyrle, San Francisco, Calif. Shampoo. 187,735; Aug. 12; Serial No. 194,548; published June 3, 1924.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation for the treatment of diabetes, etc. 187,698; Aug. 12; Serial No. 189,568; published June 3, 1924.

Lilly, Eli, & Company, Indianapolis, Ind. Medicine or pharmaceutical preparation. 187,913; Aug. 12; Serial No. 194,550; published June 3, 1924.

Lindsay Farm Bureau Fruit Association, Lindsay, Calif. Fresh citrous fruits. 187,697; Aug. 12; Serial No. 189,726; published Apr. 15, 1924.

Locomotive Stoker Company, Pittsburgh, Pa. Locomotive stokers and repair parts thereof. 187,800; Aug. 12; Serial No. 174,580; published May 20, 1924.

Long, Addie H., doing business as The Oriental Beauty Parlors, Washington, D. C. Temple grower, facial cream, etc. 187,914; Aug. 12; Serial No. 194,551; published June 3, 1924.

Long's and Long's Chocolate Works. (See Oswego Candy Works, Inc.)

Lorraine Manufacturing Company, Pawtucket, R. I. Piece goods. 188,003–4; Aug. 12.

Louisiana Pharmacal Co., New Orleans, La. Tonic and blood purifier. 187,693; Aug. 12; Serial No. 192,630; published May 20, 1924.

Lumpkin, George B., doing business as Lumpkin Products Co., Kimball, Nebr. Hair tonic and shampoo. 187,683; Aug. 12; Serial No. 192,185; published June 3, 1924.

Lyons, J. A., Chili Co., The, St. Joseph, Mo. Canned chile con carne. 187,937; Aug. 12; Serial No. 192,706; published May 27, 1924.

Lyons, John C., Gulfport, Miss. Hair tonic. 187,916; Aug. 12; Serial No. 194,607; published June 3, 1924.

Mack Company. (See Mackenzie, Franklin H.)

Mackenzie, Franklin H., doing business as Mack Company, Philadelphia, Pa. Radio aerials and tube-projecting instruments. 187,902; Aug. 12; Serial No. 191,711; published June 3, 1924.

MacLeod, George B., doing business as Marionette Company, New York, N. Y. Hair nets. 187,965; Aug. 12; Serial No. 155,767; published May 27, 1924.

Mme. Hayden-Ransom Mfg. Co., Indianapolis, Ind. Hair grower, liquid hair tonic, shampoo, etc. 187,731; Aug. 12; Serial No. 194,347; published May 20, 1924.

Marietta Manufacturing Company, Indianapolis, Ind. Glassware comprising table and counter tops, scale plates, etc. 187,760; Aug. 12; Serial No. 195,115; published June 3, 1924.

Marion Tool Works, Inc., Marion, Ind. Steel tools. 187,705; Aug. 12; Serial No. 187,526; published Jan. 29, 1924.

Marionette Company. (See MacLeod, George B.)

Marvin Watch Co., Chaux-de-Fonds, Switzerland. Watches, watch movements, etc. 188,009; Aug. 12.

McKone Tire and Rubber Company, The, Millersburg, Ohio. Tires. 187,951; Aug. 12; Serial No. 193,607; published May 20, 1924.

Metal Products Company, Ogden, Utah. Light deflectors for automobile headlights. 187,978; Aug. 12; Serial No. 190,645; published May 13, 1924.

Mile-A-Minute Incorporated, Pittsburgh, Pa. Chemical for increasing the combustibility of motor fuels, etc. 187,872; Aug. 12; Serial No. 192,633; published May 20, 1924.

Moon Radio Corporation, Long Island City, N. Y. Radio receiving sets. 187,889; Aug. 12; Serial No. 193,846; published May 27, 1924.

Morris & Jones Limited, Liverpool, England. Fresh, canned, bottled, etc., fruits. 187,974–5; Aug. 12; Serial Nos. 190,123–4; published Apr. 29, 1924.

Morris, Paul C., doing business as Al-Mor Fireworks & Novelty Co., Youngstown, Ohio. Explosives and fireworks. 187,870; Aug. 12; Serial No. 192,720; published May 27, 1924.

Mottershall, William H., Toronto, Ontario, Canada. Ventilating and chimney cowls and shafts and devices attached to or mounted in such shaft. 187,805; Aug. 12; Serial No. 177,016; published May 20, 1924.

Mussehl, C. J., doing business as Mussehl & Westphal, Fort Atkinson, Wis. Musical pitchforks. 188,006; Aug. 12.

Naamlooze Vennootschap Amsterdamsche Chinine-Fabriek, Amsterdam, Netherlands. Calcium acetyl salicylate. 187,810; Aug. 12; Serial No. 194,204; published May 20, 1924.

Nash Coffee Company, Minneapolis, Minn. Coffee. 187,711; Aug. 12; Serial No. 183,080; published June 3, 1924.

National Diamond Assemblers, Inc., New York, N. Y. Precious stones and jewelry. 187,678; Aug. 12; Serial No. 191,969; published May 6, 1924.

National Spinning Company, Inc., New York and Brooklyn, N. Y. Yarns. 187,943; Aug. 12; Serial No. 193,060; published May 27, 1924.

Naz-Dar Company, Chicago, Ill. Sizing varnish, oil stencil paste, stencil-process japan, and artist colors. 187,929; Aug. 12; Serial No. 195,066; published May 20, 1924.

Nelka Watch Co. (See Wyss & Tröhler, Welta, Edys & Nelka Watch Co.)

New England Mills Company, The, doing business as Challenger Rubber Manufacturers, Chicago, Ill. Automobile tires. 187,865; Aug. 12; Serial No. 192,923; published May 6, 1924.

New York Merchandise Company, New York, N. Y. Hair nets. 187,924; Aug. 12; Serial No. 194,939; published May 27, 1924.

Noack, E. H., Stockton, Calif. Heat-resisting steel. 187,846; Aug. 12; Serial No. 194,408; published May 27, 1924.
North Eastern Rubber Co., Elizabeth, N. J. Flaps for automobile rims. 187,694; Aug. 12; Serial No. 193,116; published May 20, 1924.
North, Samuel N., doing business as North Piston Ring Co., Toledo, Ohio. Piston rings. 187,680; Aug. 12; Serial No. 192,029; published May 6, 1924.
Novelty Radio Manufacturing Company, St. Louis, Mo. Radio receiving sets and parts thereof. 187,808; Aug. 12; Serial No. 194,119; published May 27, 1924.
Odell Company, The. (See Odell, R., & Sons Company, assignor.)
Odell, R., & Sons Company, assignor to The Odell Company, Newark, N. J. Hair tonic. 187,792; Aug. 12; Serial No. 153,613; published Feb. 13, 1923.
Odell, R., & Sons Company, assignor to The Odell Company, Newark, N. J. Hair tonic. 187,793; Aug. 12; Serial No. 153,615; published Feb. 13, 1923.
Ogden Manufacturing Company, Chicago, Ill. Electric heating elements for flatirons, etc. 187,905; Aug. 12; Serial No. 191,341; published June 3, 1924.
O'Grady, Ellen A., Brooklyn, N. Y. Identifying devices for infants. 187,681; Aug. 12; Serial No. 192,031; published May 13, 1924.
Ohio Match Company, The, Wadsworth, Ohio. Matches. 187,700; Aug. 12; Serial No. 189,471; published Apr. 22, 1924.
Olsen & Ebann, Chicago, Ill. Wrist watches and pocket watches. 187,774; Aug. 12; Serial No. 193,953; published May 13, 1924.
Orange Crush Company, Chicago, Ill. Nonalcoholic, maltless beverages and concentrates and compounds for making the same. 187,791; Aug. 12; Serial No. 156,594; published Mar. 20, 1923.
Orange Crush Company, Chicago, Ill. Nonalcoholic, maltless beverages and sirups for making same. 187,820; Aug. 12; Serial No. 149,927; published Oct. 18, 1921.
Orange-Iron Laboratories, Omaha, Nebr. Medicines used as a stomach powder. 187,915; Aug. 12; Serial No. 194,566; published June 3, 1924.
Oriental Beauty Parlors. (See Long, Addie H.)
Orum, S. R. M., Inc., Philadelphia, Pa. Electric batteries and parts thereof, battery chargers, etc., for use in radio apparatus. 187,682; Aug. 12; Serial No. 192,145; published May 27, 1924.
Oswego Candy Works, Inc., doing business as Long's and Long's Chocolate Works, Oswego, N. Y. Candy, milk chocolate, cocoa, chewing gum, etc. 187,949; Aug. 12; Serial No. 193,538; published May 27, 1924.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill. Face and talcum powders, face creams, lotions, etc. 187,709; Aug. 12; Serial No. 184,679; published June 3, 1924.
Ovo Mill Corporation, St. Louis, Mo. Baby-chick starting food, mash, scratch feed. 187,783; Aug. 12; Serial No. 185,934; published May 27, 1924.
P. G. Atlantic Toy Mfg. Co., New York, N. Y. Toy animals. 187,716; Aug. 12; Serial No. 195,535; published June 3, 1924.
Paxton-Mitchell Company, The, Omaha, Nebr. Metallic packings. 187,816; Aug. 12; Serial No. 192,337; published May 13, 1924.
Payton, Harry, doing business as H. Payton Co., Providence, R. I. Buckles, collar buttons, collar fasteners, etc. 187,874; Aug. 12; Serial No. 193,352; published May 13, 1924.
Peerless Belting Company, Gardenville, N. Y. Cotton and leather belting. 187,713; Aug. 12; Serial No. 170,949; published May 6, 1924.
Pelronnet, George G. (See Woodroth Gum Co., assignor.)
Penn, Fred G., Wallingford, Vt. Liniment for cuts, burns, bruises, etc. 187,743; Aug. 12; Serial No. 194,411; published May 20, 1924.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lye. 187,802–3; Aug. 12; Serial Nos. 176,092–3; published May 20, 1924.
Penter, Lottie, Los Angeles, Calif. Creams, face powder, liquid astringent and whitener. 187,742; Aug. 12; Serial No. 194,412; published May 20, 1924.
Permatex Company Inc., Brooklyn, N. Y. Dry gums and liquid varnishes. 187,883; Aug. 12; Serial No. 193,678; published Apr. 29, 1924.
Peters Hog Serum Company, Kansas City, Mo. Soluble worm capsules for swine. 187,876; Aug. 12; Serial No. 193,471; published June 3, 1924.
Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Varnish. 187,879; Aug. 12; Serial No. 193,539; published Apr. 29, 1924.
Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Medicinal preparation. 187,739; Aug. 12; Serial No. 194,474; published May 20, 1924.
Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation. 187,740; Aug. 12; Serial No. 194,473; published May 20, 1924.
Pierce, Robert J., Inc., New York, N. Y. Pennyroyal tablets, tansy, cotton root, pennyroyal and apiol tablets. 187,780; Aug. 12; Serial No. 194,020; published June 3, 1924.
Pontiac Engraving & Electrotype Co., Chicago, Ill. Finished printing plates. 187,982; Aug. 12; Serial No. 190,937; published May 6, 1924.
Potato Dog Corporation. (See Cordner, Edward Q., assignor.)
Prante, John H., Dallas, Tex. Surgical splint. 187,977; Aug. 12; Serial No. 190,518; published Feb. 26, 1924.
Price, L. B., Mercantile Company, Greenwich, Conn. Blankets. 187,985; Aug. 12; Serial No. 191,186; published May 27, 1924.
Prima Company, Chicago, Ill. Malt extract and malt and hop extract. 187,968; Aug. 12; Serial No. 185,618; published May 27, 1924.
Probey, T. O., Company, Inc., Washington, D. C. Automobile tires. 187,894; Aug. 12; Serial No. 192,220; published May 13, 1924.
Protane Corporation, Erie, Pa. Liquid-fuel-burning stoves. 187,869; Aug. 12; Serial No. 192,731; published May 13, 1924.
Pudlin, David N., Los Angeles, Calif. Artificial pearls. 187,988; Aug. 12; Serial No. 191,640; published May 6, 1924.
Pung-Chow Company, Inc., New York, N. Y. Games and parts thereof. 187,967; Aug. 12; Serial No. 179,954; published May 27, 1924.
Quaker City Anto Polish Co., Whittier, Calif. Auto polish. 187,738; Aug. 12; Serial No. 194,479; published May 20, 1924.
Quas Cohen, P. M., doing business as Cohen & Wilks, Cheetham, Manchester, England. Woolen piece goods. 187,956; Aug. 12; Serial No. 174,073; published May 27, 1924.
Queen City Printing Ink Company, The, Cincinnati, Ohio. Substance for cleanser or solvent for removal of ink from printing presses. 188,020; Aug. 12.
Ramey-Milburn Co., Kensett and Shirley, Ark. Canned vegetables, prepared mustard, cocoa. 187,970; Aug. 12; Serial No. 184,759; published May 27, 1924.
Ranner & Korban, Washington, D. C. Zwieback. 188,016; Aug. 12.
Reed & Prince Manufacturing Company, Worcester, Mass. Screws, machine-screw nuts, stove bolts, rivets, and burrs. 187,966; Aug. 12; Serial No. 178,866; published May 27, 1924.
Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y. Firearms and parts thereof. 187,871; Aug. 12; Serial No. 192,644; published May 27, 1924.
Republic Rubber Company, Youngstown, Ohio. Brake linings. 187,762; Aug. 12; Serial No. 195,303; published May 20, 1924.
Rld-Jid Products Corporation, Chicago, Ill. Ironing tables. 187,917; Aug. 12; Serial No. 194,620; published May 13, 1924.
Riley, Joseph L., Chicago, Ill. Polish for furniture, autos, and all varnished and enameled surfaces. 187,687; Aug. 12; Serial No. 192,430; published May 20, 1924.
Sanchez & Haya Co., Tampa, Fla. Cigars. 187,714; Aug. 12; Serial No. 195,989; published June 3, 1924.
Sanitas Twin Tooth Brush Corp., New York, N. Y. Toothbrushes. 188,024; Aug. 12.
Sargent & Company, New Haven, Conn. Coil door springs. 187,837–8; Aug. 12; Serial Nos. 193,733–4; published May 27, 1924.
Save-A-Handle Products Co., Kansas City, Mo. Floor brushes. 187,911; Aug. 12; Serial No. 190,744; published May 27, 1924.
Schryer, Paul F., Wauwautosa, Wis. Pumps. 187,938; Aug. 12; Serial No. 192,737; published May 27, 1924.
Schwab, Harold M., Inc., New York, N. Y. Radio products. 187,787; Aug. 12; Serial No. 187,490; published June 3, 1924.
Schwarz, Max, Textile Corporation, New York, N. Y. Cotton textile fabrics in the piece. 187,930; Aug. 12; Serial No. 195,133; published May 27, 1924.
Sebring Pottery Company, Sebring, Ohio. Porcelain and chinaware. 187,788; Aug. 12; Serial No. 188,502; published June 3, 1924.
Seidenberg, R. J., Co., Buffalo, N. Y. Cigars. 187,722; Aug. 12; Serial No. 195,600; published June 3, 1924.
Shell Products Company, San Diego, Calif. Pearl shell used in connection with an adhesive or binder for decorating walls, etc. 187,775; Aug. 12; Serial No. 193,964; published May 13, 1924.
Siegler Enamel Range Company, Belleville, Ill. Gas and coal ranges and combination gas and coal ranges. 187,863–4; Aug. 12; Serial No. 192,930–1; published May 13, 1924.
Silvray Company, Inc., New York, N. Y. Electric lamps. 187,776; Aug. 12; Serial No. 193,968; published May 27, 1924.
Simon, Richard W., Omaha, Nebr. Dandelion diggers. 188,019; Aug. 12.
Skirving, V. R., Sacramento, Calif. Table board game. 187,895–6; Aug. 12; Serial Nos. 192,153–4; published May 27, 1924.
Slazenger, Frank L., Corporation, New York, N. Y. Tennis rackets. 187,910; Aug. 12; Serial No. 190,857; published May 27, 1924.
Sleight, R. E., doing business as Sleight Metallic Ink Co., Philadelphia, Pa. Printing, lithographing, etc., inks. 187,699; Aug. 12; Serial No. 189,536; published May 6, 1924.
Smith, E. M., Co., Los Angeles, Calif. Hose. 187,941; Aug. 12; Serial No. 192,932; published May 20, 1924.
Sovereign Paint Company, Atlantic City, N. J. Ready-mixed paints. 187,809; Aug. 12; Serial No. 194,136; published Apr. 29, 1924.

Squirsky, Harry, doing business as Superior Mineral Water Company, Thompsonville, Conn. Nonalcoholic, noncereal, maltless beverage. 187,761; Aug. 12; Serial No. 195,304; published June 3, 1924.
Standard Oil Company (New Jersey), Bayonne, N. J. Ink reducer. 187,777; Aug. 12; Serial No. 193,970; published May 13, 1924.
Standard Sanitary Mfg. Company, Pittsburgh, Pa. Bibs, faucets, and cocks. 187,862; Aug. 12; Serial No. 193,004; published May 27, 1924.
Stanley, John T., Co. Inc., New York, N. Y. Furniture and automobile body polish. 187,737; Aug. 12; Serial No. 194,491; published May 20, 1924.
Star Expansion Bolt Company, New York, N. Y. Expansion shields. 187,763; Aug. 12; Serial No. 195,200; published May 27, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece. 187,849; Aug. 12; Serial No. 194,576; published May 27, 1924.
Stein, S., & Company, New York, N. Y. Woolen goods in the piece. 187,032; Aug. 12; Serial No. 195,309; published May 27, 1924.
Stereo Reproductions Co., The. (See Wilk, Benjamin.)
Stevenson, Hugh, Rochester, N. Y. Radio receiving sets and radio electric apparatus. 187,944; Aug. 12; Serial No. 193,080; published June 3, 1924.
Stover, John K., doing business as Stover Laboratories, Trenton, N. J. Antiseptic solution. 187,857; Aug. 12; Serial No. 193,192; published June 3, 1924.
Strauss, Samuel, Sons & Co., Incorporated, New York N. Y. Silk goods, linens, madras, and other cotton fabrics in the piece. 187897; Aug. 12; Serial No. 192,100; published June 3, 1924.
Stroock, S., & Company, Inc., New York, N. Y. Cloth sold in the piece and made of animal fiber. 187,952; Aug. 12; Serial No. 193,636; published June 3, 1924.
Sunny California Publishing Corporation, San Francisco, Calif. Periodical publication. 187,875; Aug. 12; Serial No. 193,429; published May 27, 1924.
Sunset Paint Company, Los Angeles, Calif. Paint enamel. 187,688; Aug. 12; Serial No. 192,443; published May 20, 1924.
Sunset Paint Company, Los Angeles, Calif. Paste paint. 187,689; Aug. 12; Serial No. 192,444; published Apr. 22, 1924.
Superior Lapidary Co., New York, N. Y. Precious and semiprecious stones. 187,906; Aug. 12; Serial No. 191,148; published June 3, 1924.
Superior Mineral Water Company. (See Squirsky, Harry.)
Superior Varnish Re-New-Er Co. (See Bruce, Edward W.)
Taylor, Minnie L., Birmingham, Ala. Remedy for the scalp and hair in the treatment of eczema, etc. 187,934; Aug. 12; Serial No. 194,140; published June 3, 1924.
Thompson, R. E., Manufacturing Company, Jersey City, N. J. Radio receiving sets and parts thereof, head telephones, and loud speakers. 187,851; Aug. 12; Serial No. 194,630; published June 3, 1924.
Thum, O. & W., Company, The, Grand Rapids, Mich. Insecticide. 187,918; Aug. 12; Serial No. 194,657; published June 3, 1924.
Tilley, John S., Ladders Co., Inc., The, Watervliet, N. Y. Ladders. 187,686; Aug. 12; Serial No. 192,344; published May 13, 1924.
Tobacco Rehandling Co., Ltd., The, Liverpool, England, and Louisville, Ky. Tobacco in leaf form. 187,839; Aug. 12; Serial No. 193,790; published May 27, 1924.
Toch Brothers, Incorporated, New York, N. Y. Coating composition. 187,983; Aug. 12; Serial No. 190,947; published Apr. 22, 1924.
Tompkins-Kiel Marble Co., New York, N. Y. Uncut and unfinished marble. 187,999–188,000; Aug. 12.
Topeka Tent & Awning Company, Topeka, Kans. Tents, awnings, canvas porch curtains, etc. 187,712; Aug. 12; Serial No. 182,626; published May 6, 1924.
Turner & Walls, New York, N. Y. Cotton piece goods. 187,818; Aug. 12; Serial No. 192,802; published May 27, 1924.
Union Lithograph Co., Inc., The, Los Angeles, Calif. Commercial paper. 187,942; Aug. 12; Serial No. 193,008; published May 13, 1924.
Union Salt Company, The, Cleveland, Ohio. Salt. 187,677; Aug. 12; Serial No. 191,927; published June 3, 1924.
Union Thread Company, The, Cincinnati, Ohio. Thread. 187,811–13; Aug. 12; Serial Nos. 194,228–30; published May 27, 1924.
United Cutlery Company, Worcester, Mass. Liquid dandruff remover and toilet water. 187,976; Aug. 12; Serial No. 190,481; published June 3, 1924.
United Jewelers, Inc., The, Wilmington, Del., and New York, N. Y. Clock and watch movements. 187,807; Aug. 12; Serial No. 180,310; published May 6, 1924.
United Utilities & Engineering Corp., Philadelphia, Pa. Fluid-fuel boilers, heat regulators, and boiler sections, burners, and valves. 187,973; Aug. 12; Serial No. 190,038; published May 13, 1924.
Universal Cover Fastener Company. (See Chappell, William R.)
Vellumoid Company, The, Boston, Mass. Sheet packing and gaskets. 187,868; Aug. 12; Serial No. 192,806; published May 13, 1924.
Venus Corporation, The, New York, N. Y. Sanitary napkins, compressed sanitary napkins, bloomers, and belts, etc. 187,935; Aug. 12; Serial No. 192,345; publ. May 27, 1924.
Vereinigte Ultramarinfabriken, Aktien-Gesellschaft, vormals Leverkus, Zeltner und Consorten, Köln am Rhein, Cologne-on-the-Rhine, Germany. Wash blue. 187,994; Aug. 12; Serial No. 192,510; published June 3, 1924.
Vesco Radio Shop, Oakland, Calif. Radio wave traps and tuning instruments. 187,684; Aug. 12; Serial No. 192,287; published May 6, 1924.
Vita Fish Preserving Works, New York, N. Y. Russian caviar. 187,961; Aug. 12; Serial No. 168,656; published June 3, 1924.
Walther Manufacturing Co., Philadelphia, Pa. Worsted piece goods, woolen piece goods, and cotton and worsted piece goods, etc. 187,841; Aug. 12; Serial No. 193,870; published June 3, 1924.
Warren Featherbone Company, The, Three Oaks, Mich. Narrow fabrics and piece goods of artificial silk. 187,821; Aug. 12; Serial No. 195,319; published May 27, 1924.
Watson, Hugh W., doing business as Barney Google Spark Plug Company, Seattle, Wash. Spark plug. 187,936; Aug. 12; Serial No. 192,511; published May 27, 1924.
Weber Costello Co., Chicago Heights, Ill. Liquid slating for blackboards. 187,890; Aug. 12; Serial No. 193,872; published Apr. 29, 1924.
West American Rubber Company, Los Angeles, Calif. Machinery packing. 187,953; Aug. 12; Serial No. 178,081; published May 13, 1924.
West Disinfecting Company, New York, N. Y. Deodorants, air purifiers, etc. 187,995; Aug. 12; Serial No. 194,383; published May 20, 1924.
Wester Bros., New York, N. Y. Razors and scissors. 188,002; Aug. 12.
Western Coil & Electrical Co., Racine, Wis. Wireless receiving sets. 187,707; Aug. 12; Serial No. 185,394; published Nov. 13, 1923.
White Motor Company, The, Cleveland, Ohio. Magneto and starter assemblies, electrical ignition and lighting systems, etc., for motor vehicles. 187,801; Aug. 12; Serial No. 175,898; published Apr. 29, 1924.
White-Stokes Co. Inc., Chicago, Ill. Semiprepared base or filler for candy, icings, etc. 188,014; Aug. 12.
Whitlock, Herbert V., Elizabeth, N. J. Tires and inner tubes. 187,996; Aug. 12; Serial No. 192,462; published May 13, 1924.
Wilk, Benjamin, doing business as The Stereo Reproductions Co., New York, N. Y. Stereoscopic machines and photographic slides. 188,022; Aug. 12.
Wish, Fred A., Incorporated, New York, N. Y. Bar pins, lockets, bracelets, finger rings, etc. 187,861; Aug. 12; Serial No. 193,014; published May 27, 1924.
Wolff, Julian S., New York, N. Y. Game apparatus. 187,836; Aug. 12; Serial No. 193,694; published May 27, 1924.
Wolverine Climax Company, Detroit, Mich. Pneumatic tubes. 187,854; Aug. 12; Serial No. 193,262; published May 6, 1924.
Woodbury Granite Company, Hardwick, Vt. Monuments and stones. 187,690; Aug. 12; Serial No. 192,463; published May 13, 1924.
Woodroth Gum Co., Inc., Brooklyn, assignor to G. G. Pelronnet, New York, N. Y. Vending machines. 187,997; Aug. 12.
World's Dispensary Medical Association, Buffalo, N. Y. Skin cream. 187,959; Aug. 12; Serial No. 171,053; published June 3, 1924.
Wright & Ditson, Boston, Mass. Golf balls. 187,972; Aug. 12; Serial No. 178,585; published June 3, 1924.
Wyss & Tröhler, Welta, Edys & Nelka Watch Co., Inc., doing business as Nelka Watch Co., Bienne, Switzerland. Watches, watch movements, and parts thereof. 188,012–3; Aug. 12.
Zabludoff, Joseph, Philadelphia, Pa. Hair nets. 187,794; Aug. 12; Serial No. 159,396; published Aug. 29, 1922.
Zafuta, Mary, doing business as The Arma Ice Cream and Bottling Works, Arma, Kans. Soda pop. 188,005; Aug. 12.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 187,928; Aug. 12; Serial No. 195,035; published May 27, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Importing Departments. (See Strieby, John G. M.)
Aquazone Corporation, New York, N. Y. Aquazone. For Oxygenated Waters. 27,694; Aug. 12.
Arnholt & Schaefer Brewing Company, Philadelphia, Pa. Preferred Stock. For Nonalcoholic Beverages. 27,695; Aug. 12.
Boisclair, Antonio E., doing business as Northampton Chemical Works. Northampton, Mass. White Star Bleaching Water. For Bleaching Water. 27,696; Aug. 12.
California Vegetable Union, Los Angeles, Calif. White Star. For Fresh Lettuce. 27,697; Aug. 12.
Carque Pure Food Co., Inc., Los Angeles, Calif. Whole Cracked Breakfast Wheat. For a Breakfast Food. 27,698; Aug. 12.
Carque Pure Food Co., Inc., Los Angeles, Calif. Whole Yellow Corn Meal. For Corn Meal. 27,699; Aug. 12.
Curt Teich & Company, Chicago, Ill. Souvenir Views. For Packages Containing Views. 27,700; Aug. 12.
Dawson, John J., Cherokee, Iowa. Pilot Rock. For Canned Vegetables — Namely, Tomatoes. 27,701; Aug. 12.
Dr. Dam's Remedy Co. (See Webber, Walter P.)
Economy Bias Binding Co., New York, N. Y. Improved Ribbon Wire Covering for Lamp Shades. For Covering for Wire of Lamp Shades. 27,702; Aug. 12.
Glorifier Cigar Co. Inc., New York, N. Y. Illustro. For Cigars. 27,703; Aug. 12.
Golden State Milk Products Company, San Francisco, Calif. Golden State Brand Butter. For Butter Cartons. 27,704; Aug. 12.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Midgetes. For Matzoths. 27,705; Aug. 12.
Hillsboro Condensed Milk Company, Hillsboro, Wis. Capitol. For Evaporated Milk. 27,706; Aug. 12.
Hoffman Manufacturing Co., Springfield, Ill. Instructions For Installing Hoffman Quick Change Transmission Band For Ford Cars. For Transmission Bands for Automobiles. 27,707; Aug. 12.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Canned Food Products. 27,708; Aug. 12.
National Trading Company, Chicago, Ill. El Donna Invisible Human Hair Net. For Hair Nets. 27,709; Aug. 12.
Northampton Chemical Works. (See Boisclair, Antonio E.)
Ritz Chemical Co., Brooklyn, N. Y. Cornchek. For Corn Cure. 27,710; Aug. 12.
Ritz Perfume Co., Brooklyn, N. Y. St. Thomas Bay Rum. For Bay Rum. 27,711; Aug. 12.
Silica Gel Products Corporation, The, Baltimore, Md. Silox. For Paper Cartons Containing the Individual Containers for a Prophylactic Antiseptic Toilet Powder. 27,712; Aug. 12.
Silica Gel Products Corporation, The, Baltimore, Md. Silox. For Individual Containers for a Prophylactic Antiseptic Toilet Powder. 27,713; Aug. 12.
Silica Gel Products Corporation, The, Baltimore, Md. Silox. For Paper Cartons in Which are Placed Individual Containers Filled with a Prophylactic Antiseptic Dusting Powder. 27,714; Aug. 12.
Smith, C., Los Angeles, Calif. Chirpy. For a Drink. 27,715; Aug. 12.
Stafford, Ernest, Jersey City, N. J. Stafford's Peerless Peeled Fresh Fruits Assorted. For Fresh Peeled Fruit. 27,716; Aug. 12.
Steineck Bros., Canton, Ohio. Mi-Ma's Bread. For Bread. 27,717; Aug. 12.
Stoll & Edwards Company, Inc., New York, N. Y. When I Grow Up Stories for Little Boys. For a Box Containing Four Story Books. 27,718; Aug. 12.
Stoll & Edwards Company, Inc., New York, N. Y. My Very Best Friends. For a Box Containing Six Story Books. 27,719; Aug. 12.
Stoll & Edwards Company, Inc., New York, N. Y. Picture Building Game. For a Box Containing a Game. 27,720; Aug. 12.
Strieby, John G. M., doing business as American Importing Departments, Chicago, Ill. A°I°D Society. For Packages Containing Coffee. 27,721; Aug. 12.
Webber, Walter P., doing business as Dr. Dam's Remedy Co., Lynn, Mass. Dr. Dam's Remedy. For Asthma Medicine. 27,722; Aug. 12.
Wilde, Carl, Philadelphia, Pa. Münchner Kindl. For Prepared Malt Extract. 27,723; Aug. 12.
Wilson Chemical Co., Chicago, Ill. Wilson Cleaner. For Cleaning Fluid. 27,724; Aug. 12.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Automotive Maintenance Company, Detroit, Mich. Motimaint. For Automobiles. 7,553; Aug. 12.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. On Your Table. For Ginger Ale. 7,554; Aug. 12.
Cream Of Wheat Co., Minneapolis, Minn. So you dawdle the morning away. For Wheat Breakfast Food. 7,555; Aug. 12.
Georgia, William B., Waco, Tex. The Dodecagon Cut In the Neutral Ground Twilight Tinted Lenses. For Fancy Cut Spectacle, Eyeglass, and Colored Lenses. 7,556; Aug. 12.
Los Angeles Soap Co., Los Angeles, Calif. Everything as clean as clean can be. For Washing-Machine Soap. 7,557; Aug. 12.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abenheim, Frederick B. (See Sultan, Ernest J., Mfg. Co.)
Abrasive Sales Corporation, New York, N. Y. Grinding compound. 193,562; Aug. 12.
Acme Specialty Mfg. Co., The, Toledo, Ohio. Automobile mirrors. 197,125; Aug. 12.
Aeolian Company, The, New York, N. Y. Assembled radio transmitting and receiving sets. 166,125; Aug. 12.
Aktieselskabet de Danske Spritfabrikker, doing business as Dansk Gaer-Central, Copenhagen, Denmark. Yeast for medical and chemical uses. 162,976; Aug. 12.
Albert Publishing Co., assignor to Dell Publishing Company, New York, N. Y. Magazine. 195,729; Aug. 12.
Allied Belting Company, The, Greenville, Ohio. Belting. 198,103; Aug. 12.
American Bed Company, St. Louis, Mo. Folding beds. 195,731; Aug. 12.
American Catholic Mixed Bakery Co. (See Kuzlak, Edward.)
American Crayon Company, The, Sandusky, Ohio. Pressed crayons. 198,497; Aug. 12.
American Crayon Company, The, Sandusky, Ohio. Wax crayons. 198,498; Aug. 12.
American Crayon Company, The, Sandusky, Ohio. Crayons, water colors. 198,499; Aug. 12.
American Crayon Company, The, Sandusky, Ohio. Crayons—namely, pastel crayons. 198,500; Aug. 12.
American Furniture Company, Batesville, Ind. Beds, dresses, chiffonettes, vanity dressers, etc. 181,000; Aug. 12.
Aspegren & Co., Inc., New York, N. Y. Salad oil. 198,606; Aug. 12.
Atlantic Coast Poultry Producers Association, New York, N. Y. Eggs and poultry products. 184,578–9; Aug. 12.
Baker, Norman G., doing business as Tangley Company, Muscatine, Iowa. Calliopes. 191,359; Aug. 12.
Ballard & Ballard Co., Louisville, Ky. Self-rising flour. 198,782; Aug. 12.
Ballard & Ballard Co., Louisville, Ky. Stock, poultry, and chick feed. 178,890; Aug. 12.
Barteldes Seed Company, The, Lawrence, Kans. Hand planters. 195,477; Aug. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Batesville Cabinet Company, Batesville, Ind. Buffets, hanging mirrors, cupboards, etc. 181,001; Aug. 12.
Benjamin, E. V., Co., Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Cotton piece goods. 199,457; Aug. 12.
Benjamin, E. V., Co., Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Cotton piece goods. 199,459–60; Aug. 12.
Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 199,033–4; Aug. 12.
Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 199,340; Aug. 12.
Blow, Milton H., New York, N. Y. Elastics. 197,411; Aug. 12.
Blood, W. D., & Company, Inc., New York, N. Y. Automobile radiators. 189,702; Aug. 12.
Blue Seal Cleansers, Inc., New York, N. Y. Mineral product for cleaning tile, marble, wood, etc. 198,338; Aug. 12.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 199,106; Aug. 12.
Boss, Frederic A., doing business as Boss Electrical Supply Co., Providence, R. I. Electric-light-fixture units, electrical switches, electric ranges, etc. 193,755; Aug. 12.
Botfield, Leonard B., doing business as Botfield Refractories Company, Philadelphia, Pa. Refractory bricks and high-temperature cement. 179,653; Aug. 12.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,142; Aug. 12.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,145; Aug. 12.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,209–11; Aug. 12.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,213; Aug. 12.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,216; Aug. 12.
Breckenridge, Harold C., doing business as The Breckenridge Electric Company, Detroit, Mich. Crystals and crystal dectectors or rectifiers. 196,330; Aug. 12.
Broadcast Manufactures, Inc., New York, N. Y. Radio receiving sets and parts thereof. 196,420; Aug. 12.
Bromley Shepard Co., Inc., Lowell, Mass. Abdominal bands. 194,848; Aug. 12.
Brooklandwood Dairy. (See Emerson, Isaac S.)
Brown & Haley, Tacoma, Wash. Chocolate brittle candy. 193,500; Aug. 12.
Buchanan, Robert B., Memphis, Tenn. Stock feeds. 185,281; Aug. 12.
Bunte Brothers, doing business as Bunte's, Chicago, Ill. Candy. 199,038; Aug. 12.
Butler County Milling Company, Poplar Bluff, Mo. Fine white flour, Graham flour, self-rising flour, etc. 195,487; Aug. 12.
Cambridge Tailoring Co. (See White, George A.)
Cameo Record Corporation, New York, N. Y. Phonograph records. 195,730; Aug. 12.
Carpenter Cook Company, Menominee, Mich. Canned fruits, vegetables, and fish, evaporated milk, etc. 177,961; Aug. 12.
Carrier Construction Company, Inc., Newark, N. J. Tubular radiators or heaters. 198,398; Aug. 12.
Carrier Engineering Corporation, Newark, N. J. Air conditioning, drying, and ventilating equipment. 198,842; Aug. 12.
Cello Products Incorporated, New York, N. Y. Transparent or translucent elastic body or film. 198,453; Aug. 12.
Chambers Manufacturing Company, Shelbyville, Ind. Fireless-cooker attachment for cooking ranges. 193,271; Aug. 12.
Chemo Products Co., New York, N. Y. Washing powder for dishes and like articles. 193,272; Aug. 12.
Clearwater, Henry P., Hallowell, Me. Pharmaceutical preparation for corns, warts, and calli. 197,865; Aug. 12.
Cleveland Fruit Juice Company, The, Cleveland, Ohio. Preserved fruit mixture. 186,774; Aug. 12.
Clinchfield Coal Corporation, Dante, Va. Coal. 197,016; Aug. 12.
Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Typewriter ribbons and carbon paper. 193,093–4; Aug. 12.
Colvin, James, doing business as The Spool Wire Company, Stapleton, N. Y. Insulated and covered wire on spools. 191,747; Aug. 12.
Concrete Surface Corporation, New York, N. Y. Material for treating concrete. 198,175; Aug. 12.
Consumers Malted Milk Co., Inc., Brooklyn, N. Y. Powder for making chocolate malted-milk beverages. 194,977; Aug. 12.
Cotte, Ernst, doing business as Oskar Sörgel, Leipzig, Germany. Flycatchers. 162,213; Aug. 12.
Crawford-Austin Manufacturing Co., Waco, Tex. Tents and tarpaulins. 198,125; Aug. 12.
Crescent Bandeau Incorporated, New York, N. Y. Hat pads. 195,052; Aug. 12.
Cutting & Washington Radio Corporation, Minneapolis, Minn. Radio receiving sets and parts thereof. 194,982; Aug. 12.
Dame Nature Co., Chicago, Ill., and New York, N. Y. Face powder, skin lotion, skin-improver cream, etc. 180,054–5; Aug. 12.
Dansk Gaer-Central. (See Aktieselskabet de Danske Spritfabrikker.)
Danziger-Jones, Inc., New York, N. Y. Radio receiving sets and parts thereof. 196,441; Aug. 12.
Davenport, A. Shelton, Danbury, Conn. Hats. 196,886; Aug. 12.
Debauge, Pierre, Neuilly-sur-Seine, France. Beauty cream. 192,367; Aug. 12.
De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Radio apparatus and supplies. 194,592; Aug. 12.
Dell Publishing Company. (See Albert Publishing Co., assignor.)
De Witt, E. C., & Co. Inc., Chicago, Ill. Eye bath. 198,734; Aug. 12.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Slate substitutes. 198,402; Aug. 12.
Dorsch, Peter M., doing business as White Cross Bakery, Washington, D. C. Bread. 198,060; Aug. 12.
Dry Buttermilk Company, Waseca, Minn. Buttermilk powder. 198,792; Aug. 12.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 198,849–50; Aug. 12.
Dyestuffs Corporation of America, Boston, Mass. Leather oils and greases. 197,589; Aug. 12.
Eagle Dye Works, Pawtucket, R. I. Twine. 175,653; Aug. 12.
Eaton, Ruth C., doing business as C. Shepard Eaton Company, Cincinnati, Ohio. Prepared flours, flavoring extracts, etc. 173,883; Aug. 12.
Economy Cover Company, Inc., Marlin, Tex. Automobile seat covers. 195,160; Aug. 12.
Electdrive Manufacturing Company Inc., Syracuse, N. Y. Electric tools for driving studs, nuts, etc. 197,196; Aug. 12.
Elevator Milling Co., Springfield, Ill. Cream meal, grits, corn flour, and pearl hominy. 194,854; Aug. 12.
Emerson, Isaac E., doing business as Brooklandwood Dairy, Lutherville, Md. Liquid food product. 196,379; Aug. 12.
Euro Shirt Co. Inc., The, Louisville, Ky. Dress shirts. 198,000; Aug. 12.
Famous Clothing Co., The, Cleveland, Ohio. Men's negligee and work shirts. 180,05c; Aug. 12.
Fisher, J. M., Co., Attleboro, Mass. Swivels, fobs, ornamental hairpins, etc. 161,830; Aug. 12.
Fitch, Ned D., Kalamazoo, Mich. Precious and semi-precious stones. 197,268; Aug. 12.
Francesconi, J. C., & Co., New York, N. Y. Olive oil. 197,741; Aug. 12.
Geigerman, Anne W., New York, N. Y. Shoulder strap for ladies' underwear. 198,798; Aug. 12.
Gibb & Brown, Inc., Dover, Del., and Columbiana, Ohio. Pressure grease guns. 180,698; Aug. 12.
Gilbert & Co., Inc., New York, N. Y. Finger rings. 198,344; Aug. 12.
Gilbert & Co., Inc., New York, N. Y. Finger rings. 198,354; Aug. 12.
Gilbert, William L., Clock Company, Winsted, Conn. Clocks. 196,802; Aug. 12.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods. 197,024; Aug. 12.
Glenbrook Worsted Mills, Woonsocket, R. I. Piece goods. 198,942; Aug. 12.
Good-Siegel, Inc., New York, N. Y. Watch dials and watch movements. 196,057; Aug. 12.
Graton & Knight Manufacturing Company, The, Worcester, Mass. Cut lace leather and lace leather in sides. 196,658; Aug. 12.
Griest Manufacturing Company, The, New Haven, Conn. Portable-electric-lamp units. 162,544; Aug. 12.
Griswold Safety Signal Co., Minneapolis, Minn. Self-arighting traffic semaphores. 195,636; Aug. 12.
Grob Food Products Co., New York, N. Y. Chocolate-flavored malted milk. 198,406; Aug. 12.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, wool, etc., piece goods. 198,861; Aug. 12.
Hague, A. J., & Co., Inc., New York, N. Y. Braids and narrow elastic webbings. 197,431; Aug. 12.
Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and watches. 197,072; Aug. 12.
Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. 197,074; Aug. 12.
Hamilton Manufacturing Company, Seattle, Wash. Food-flavoring extracts. 198,635; Aug. 12.
Hauswaldt, Joh. Gottl., Magdeburg, Germany. Chocolate. 192,253; Aug. 12.
Hearn, James A., & Son, Inc., New York, N. Y. Table linen, linen towels, and toweling. 195,289; Aug. 12.
Hecht, Sigmund G., doing business as Pearlglo Co., New York, N. Y. Chemical compounds for cleaning real and artificial pearls. 195,397; Aug. 12.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hekman Biscuit Company, Grand Rapids, Mich. Cooking cakes and crackers. 199,225; Aug. 12.
Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes and all leather articles. 195,887; Aug. 12.
Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes and all leather articles. 196,168–9; Aug. 12.
Herrmann, Emil, doing business as Herrmann's Geigenhandlung, Emil Herrmann, Berlin, Germany. Musical instruments. 188,754; Aug. 12.
Hirsch Brothers Co., Chicago, Ill. Cake mix. 199,003; Aug. 12.
Hoffman Bros., Inc., New York, N. Y. Watches, clocks, etc. 198,185; Aug. 12.
Hutt, Albert E., Ardmore, Pa. Double-deck motor busses. 197,665; Aug. 12, 1924.
Johnstown Woolshoe Co., Johnstown, N. Y. Shoes and slippers. 195,579; Aug. 12.
Kahmann, Karl W., Chicago, Ill. Mounted specimens, taxidermist's supplies, and fur rugs and robes. 198,643; Aug. 12.
Karikas, Elizabeth, Wendel, W. Va. Medicine for sore throat and throat swellings. 197,818; Aug. 12.
Keith, Irving L., Haverhill, Mass. Automatic refrigeration apparatus. 198,310; Aug. 12.
Kendall Manufacturing Company, Providence, R. I. Washing and cleansing preparation. 194,451; Aug. 12.
Kendall Manufacturing Company, Providence, R. I. Washing and cleansing preparations. 199,286; Aug. 12.
Kiddie Togs Company, The, Cleveland, Ohio. Children's rompers, creepers, union suits, etc. 156,580; Aug. 12.
Kirkman Engineering Corporation, New York, N. Y. Condensers, rheostats, lightning arresters, etc. 196,524; Aug. 12.
Klauber Bros. & Co., New York, N. Y. Cotton piece goods. 196,665; Aug. 12.
Klipstein, A., and Company, Woodbridge, N. J., and New York, N. Y. Soluble sulphonated oil. 198,713; Aug. 12.
Kunz, Chas., & Co. Inc., Philadelphia, Pa. Salt. 198,241; Aug. 12.
Kuziak, Edward, doing business as American Catholic Mixed Bakery Co., New York, N. Y. Bread. 193,714; Aug. 12.
Langenberg Grain Co., St. Louis, Mo., and New Orleans, La. Yellow corn and white oats. 197,379; Aug. 12.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory cement. 170,028; Aug. 12.
Lee, William H., Pittsburgh, Pa. Medicine for rheumatism and impurities of the blood. 198,715; Aug. 12.
Liberty Watch Case Co., New York, N. Y. Watchcases. 196,917; Aug. 12.
Loeb, H., & Co., Inc., New York, N. Y. Underwear, bath suits, sport coats, etc. 195,702; Aug. 12.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Biscuits. 199,364; Aug. 12.
Loudon, J. E., & Company, Boston, Mass., and Rochester, N. Y. Bearings. 197,822; Aug. 12.
Luft, George W., Co., Inc., The, Long Island City, N. Y. Complexion powder, face lotions, and nail polishes. 198,320; Aug. 12.
Lytton, Walter, Inc., Chicago, Ill. Radio sets adapted for combination with phonographs, radio receiving sets, loud-speakers, etc. 193,527; Aug. 12.
Maginnis Cotton Mills. (See Benjamin, E. V., Co., Inc.)
Maiman, David, doing business as D. Maiman, Mfg. Co. (Not Inc.), Chicago, Ill. Trousers. 174,210; Aug. 12.
Major Engineering Corporation, Chicago, Ill. Castings, metal ingots, sheet metal, etc. 195,704; Aug. 12.
Malenka-Sagar Co. Inc., New York, N. Y. Finger rings. 195,297; Aug. 12.
Mandel, Paul, & Bro., Philadelphia, Pa. Shirts. 197,335; Aug. 12.
Manteca Canning Company, Manteca, Calif. Canned fruits and vegetables. 199,172–3; Aug. 12.
Marietta Knitting Company, Marietta, Ga. Rugs. 199,012; Aug. 12.
Marker, Jeanette, Chicago, Ill. Face enamel, skin and tissue cream, and cleansing lotion. 197,890; Aug. 12.
Martinson, Joseph, New York, N. Y. Coffee. 199,175; Aug. 12.
Masonic Service Association of the United States, The, Washington, D. C. Monthly magazines. 196,819; Aug. 12.
Maybreath Company, Chicago, Ill. Candy lozenges. 195,064; Aug. 12.
Melrose Hospital Uniform Company. (See Tames, Peter.)
Melrose Manufacturing Company. (See Tames, Peter.)
Merritt, H. D., & Co. (See Sherman, Charles H.)
Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Pork and pork products. 195,407; Aug. 12.
McBee Binder Company, The, Athens, Ohio. Filing cabinets. 179,809; Aug. 12.
McNeely Company, Philadelphia, Pa. Leathers. 188,126; Aug. 12.
Mica Insulator Company, New York, N. Y. Fabricated composite materials for electrical insulation purposes. 191,335; Aug. 12.
Miller-Bryant-Piece Company, The, Aurora, Ill. Inked ribbons and carbon papers. 196,398; Aug. 12.
Modern Refrigerator Company, The, Peru, Ind. Refrigerators. 198,663; Aug. 12.
Mohawk Rubber Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes. 198,876–7; Aug. 12.
Monarch Aluminum Ware Co., The, Cleveland, Ohio. Hub sets for vehicles. 198,019; Aug. 12.
Montana Process Company, Missoula, Mont. Preparation for destroying acidity in cream. 198,020; Aug. 12.
Montgomerie and Company Limited, Glasgow, Scotland. Oatmeal and cereal preparation, full-cream dried milk, etc. 192,851; Aug. 12.
Montgomery, Wm., & Co., Philadelphia, Pa. Canned vegetables, fruits, and fish, jellies, corn flakes, etc. 179,812; Aug. 12.
Moorman Mfg. Co., Quincy, Ill. Prepared stock feed. 198,664; Aug. 12.
Murray, Dennis T., Bridgeport, Conn. Cleaning composition. 191,713; Aug. 12.
Murray Products Company, The, Detroit, Mich. Furniture, household tables, office tables, etc. 191,905; Aug. 12.
Musical Products Distributing Co. Inc., New York, N. Y. Radio receiving sets. 194,730; Aug. 12.
Mussoff, David, doing business as D. Mussoff Shoe Co., Pittsburgh, Pa. Shoes. 197,106; Aug. 12.
Mutual Thread Company, New York, N. Y. Threads and yarn. 199,564; Aug. 12.
Mydar Radio Co., The, Newark, N. J. Radio electrical apparatus and component parts thereof. 195,118; Aug. 12.
Neron, Louis, New Bedford, Mass. Medical preparation for purifying the blood, etc. 185,258; Aug. 12.
New England Electric Specialty Co., now by change of name Northeastern Radio Inc., Boston, Mass. Publications. 197,674–5; Aug. 12.
Northeastern Radio Incorporated. (See New England Electric Specialty Co.)
Ontario Gypsum Co. Limited, The, Paris, Canada. Gypsum plaster boards. 194,610; Aug. 12.
Orono Pulp & Paper Company, Bangor, Me. Wrapping paper. 195,122; Aug. 12.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Candy, cakes, icing, etc. 194,410; Aug. 12.
P-D Auto Parts, Inc., The, Meriden, Conn. Brake linings and clutch facings. 199,087; Aug. 12.
Pacific Novelty Company, New York, N. Y. Barrettes and combs made of pyroxylin. 196,671; Aug. 12
Paisseau, Jean, Paris, France. Imitation mother-of-pearl in bulk. 193,619; Aug. 12.
Parks Bros., Inc., Portland, Oreg. Washing powder. 192,998; Aug. 12.
Pathe Phonograph and Radio Corporation, Brooklyn, N. Y. Radio receiving sets and parts thereof. 195,981–2; Aug. 12.
Paul, Phillip B., New York, N. Y. Cocoa mats. 198,323; Aug. 12.
Pearigio Co. (See Hecht, Sigmund G.)
Pen-O-Pencil Company, New York, N. Y. Combination fountain pens and pencils. 175,268; Aug. 12.
Philadelphia Seed Company, Philadelphia, Pa. Bird food. 199,243; Aug. 12.
Pierson Company, The, Rockford, Ill. Phonographs and phonograph-record-holding albums. 192,084; Aug. 12.
Pioneer Lubricator Corporation, Long Beach, Calif. Lubricator cups and devices. 197,618; Aug. 12.
Pischinger, Oskar, Inc., New York, N. Y. Cakes, candy, chocolate, and pastry. 197,448; Aug. 12.
Pittsburgh Building Specialties Company, Pittsburgh, Pa. Water-soluble concrete paste. 184,869; Aug. 12.
Plank Milling Co., Jeromesville, Ohio. Wheat flour. 199,018; Aug. 12.
Playtime Manufacturing Company, The, Columbus, Ohio. Folding tents. 198,473; Aug. 12.
Posner & Pesselnik, New York, N. Y. Thread for stringing pearls and other beads. 194,736; Aug. 12.
Potato Dog Corporation, Chicago, Ill. Article of food comprising meat baked in dough. 199,127; Aug. 12.
Powers & Mayer Manufacturing Corporation, New York, N. Y. Wedding and other finger rings. 198,420; Aug. 12.
Quinlan Motors Company, Chicago, Ill. Automobile bodies. 181,776; Aug. 12.
Reed, Paul C., doing business as The Reed Laboratories, Chicago, Ill. Tissue cream, lustre, etc. 197,114; Aug. 12.
Regan Safety Devices Company, Inc., The, New York, N. Y. Electrical apparatus for use in automatic train-control systems. 180,618; Aug. 12.
Respro Inc., Providence, R. I. Unwoven cotton impregnated with an adhesive and used for stays and other inside parts of boots and shoes, etc. 162,200; Aug. 12.
Respro Inc., Providence, R. I. Manufactured or substitute leather. 166,404; Aug. 12.
Rex-Oil Company, Inc., The, Pittsburgh, Pa. Preparation for cleaning and polishing. 198,476; Aug. 12.
Reynolds, E. W., Company, Los Angeles, Calif. Jewelry, table and toilet ware. 192,793; Aug. 12.
Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, cinder hoists, etc. 197,296; Aug. 12.
Roper, Geo. D., Corporation, Rockford, Ill. Gas stoves and ranges. 185,231; Aug. 12.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rowntree and Company limited, York, England, and Poughkeepsie, N. Y. Candy. 196,317; Aug. 12.
Royal Manufacturing Company, Toledo, Ohio. Thermic bottles and jugs. 199,023; Aug. 12.
Schwob, Adolphe, Inc., New York, N. Y. Watches and watch movements. 196,827; Aug. 12.
Seelig, Sam, Co., Los Angeles, Calif. Canned olives and ten. 187,543; Aug. 12.
Serono, Cesare, Rome, Italy. Preparation for curing disorders of the digestive organs. 171,830; Aug. 12.
Shepard, C. Eaton, Company. (See Eaton, Ruth C.)
Sherman, Charles H., doing business as H. D. Merritt & Co., North Attleboro, Mass. Combination pocketknife and comb. 193,136; Aug. 12.
Shoemaker, D. C., Coal Company, Chicago, Ill. Coal. 198,329; Aug. 12.
Sims, N. H., Louisville, Ky. Newspaper feature. 190,815; Aug. 12.
Simson & Frey, Inc., New York, N. Y. Saxophone and cornet reeds. 198,260; Aug. 12.
Smith, Provost and Smith, Washington, D. C. Edible baked batter food product. 199,329; Aug. 12.
Société Anonyme des Etablissements Rouzaud "a la Marquise de Sévigné" Chocolat de Royat, Royat-les-Bains, France. Confectionery boxes. 198,500; Aug. 12.
Société Anonyme Ed. Laurens—"Le Khédive" Extension Belge, Brussels, Belgium. Cigarettes. 198,156; Aug. 12.
Songster Phonograph Company Inc., Duluth, Minn. Phonographs and tone chambers. 194,574; Aug. 12.
Sörgel, Oskar. (See Cotte, Ernst.)
Spool Wire Company, The. (See Colvin, James.)
Stadlmair, Henry, Co. Inc., New York, N. Y. Banjos, guitars, ukuleles, etc. 196,407; Aug. 12.
Stadlmair, Henry, Co. Inc., New York, N. Y. Banjos, guitars, mandolins, etc. 196,408; Aug. 12.
Stadlmair, Henry, Co. Inc., New York, N. Y. Banjos, guitars, ukuleles, etc. 196,550; Aug. 12.
Stanard Tilton Milling Company, St. Louis, Mo. Wheat flour. 199,026; Aug. 12.
Standard Olive Oil Company, Inc., New York, N. Y. Olive oil. 197,843; Aug. 12.
Stanley, John T., Co. Inc., New York, N. Y. Laundry soap. 199,132; Aug. 12.
Steinfels Frères & Co., Vincennes, France. Perfumeries and cosmetics. 194,747–8; Aug. 12.
Sulpho-Napthol Company, The, Boston, Mass. Antiseptic ointment for cuts, burns, etc. 196,409; Aug. 12.
Sultan, Ernest J., Mfg. Co., doing business for the use and benefit of Frederick B. Abenheim, San Francisco, Calif. Desks, tables, cabinets, used in the operation of radio apparatus. 167,365; Aug. 12.
Sunbeam Electric Manufacturing Co., Evansville, Ind. Electric washing machines. 182,071; Aug. 12.
Superior Novelty Mfg. Co., Inc., Linden, N. J. Combs. 196,204; Aug. 12.
Swedish Produce Co., The, Chicago, Ill. Bread. 198,890; Aug. 12.
Tames, Peter, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Company, New York, N. Y. Operating gowns and suits, laboratory, visitors', and patients' gowns, etc. 193,686; Aug. 12.
Tangley Company. (See Baker, Norman G.)
Tapo Citrus Association, Santa Susana, Calif. Fresh oranges and lemons. 199,097; Aug. 12.
Taylor Beverage & Candy Co., Rhinelander, Wis. Beverages and sirups for making same. 198,891; Aug. 12.
Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 194,753; Aug. 12.
Tichenor Cigar Co., Inc., Peekskill, N. Y. Cigars. 196,487; Aug. 12.
Tilghman Moyer Company, Allentown, Pa. Title of a periodical publication. 198,388; Aug. 12.
Trailer & Body Company, The, Chicago, Ill. Motor-truck bodies. 193,053; Aug. 12.
Trenton Porcelain Company, The, Trenton, N. J. Electric insulators. 196,488; Aug. 12.
Tri-City Radio Electric Supply Co., Davenport, Iowa. Radio receiving sets and parts thereof. 193,556–7; Aug. 12.
Turchin Bros., New York, N. Y. Children's hats. 158,341; Aug. 12.
United Drug Company, Boston, Mass. Papeteries, writing tablets, and envelopes. 186,813; Aug. 12.
United Electric Stores Company of New Jersey, New Market and Plainfield, N. J., and New York, N. Y. Wireless and radio telegraphy and telephony apparatus, etc. 187,551; Aug. 12.
Valves, Alberto, Company, New Orleans, La. Dried codfish. 198,894; Aug. 12.
Vaughan Company, Chicago, Ill. Electrically-operated meat and bone cutting machines. 196,359; Aug. 12.
Verwer, Harry, Oakland, Calif. Accordions. 196,416; Aug. 12.
Viscose Development Company Limited, Bromley, England. Corks and caps for bottles. 199,268; Aug. 12.
Vitreous Enameling Company, Cleveland, Ohio. Table tops, chemical pans, washtub covers, brick pallets, etc. 178,484; Aug. 12.
Wagner, Geo. F., Co., Incorporated, New York, N. Y. Eggs. 199,200; Aug. 12.
Walker Shoe Company Cincinnati, Ohio. Shoes. 197,787; Aug. 12.
Ward Bros. Co., Inc., Buffalo, N. Y. Bread. 178,153; Aug. 12.
Waring Hat Manufacturing Corporation, Yonkers, N. Y. Hats and caps. 159,393; Aug. 12.
Watson Manufacturing Co., The, Toledo, Ohio. Lathes, drills, millers, and grinders. 191,110; Aug. 12.
Westfeldt Brothers, New Orleans, La. Green coffee. 198,897–901; Aug. 12.
Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,922; Aug. 12.
White Cross Bakery. (See Dorsch, Peter M.)
White, George A., doing business as Cambridge Tailoring Co., Baltimore, Md. Men's clothing. 195,250; Aug. 12.
White, R. H., Company, Boston, Mass. Boys' suits, hats and caps, etc. 197,404; Aug. 12.
Wilmelbacher & Rice, New York, N. Y. Gloves. 196,724; Aug. 12
Wizard Lightfoot Appliance Company, St. Louis, Mo. Shoes. 197,313; Aug. 12.
Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Safety lamps, carbide cap lamps, and carbide handlamps. 199,411; Aug. 12.
Workman, Thomas T., doing business as T. Workman, Indianapolis, Ind. Chocolate sirup for food purposes. 197,919; Aug. 12.
Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 198,550; Aug. 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Marble. Tompkins-Kiel Marble Co. 187,999–188,000; Aug. 12.

CLASS 4.

Cleanser or solvent for removal of ink from printing presses, Substance for. Queen City Printing Ink Company. 188,020; Aug. 12.

CLASS 6.

Acetylene, morphine derivatives, diethyl barbituric acid, etc. C. H. Boehringer Sohn, Chemische Fabrik 187,706; Aug. 12; Serial No. 167,222; published May 20, 1924.
Acids, nitrate barytas, etc., Carbolic, pyrogallic, phosphoric, and salicylic. Chemische Fabrik auf Actien (vorm. E. Schering). 187,790; Aug. 12; Serial No. 150,061; published June 3, 1924.
Antiseptic, germicide, and deodorant, Astringent. Jo-Vex Chemical Products Company. 187,773; Aug. 12; Serial No. 193,927; published June 3, 1924.
Antiseptic solution. J. K. Stover. 187,857; Aug. 12; Serial No. 193,192; published June 3, 1924.
Blue, Wash. Vereingte Ultramarinfabriken, Aktien-Gesellschaft, vormals Leverkus, Zeltner und Consorten, Köln am Rhein. 187,994; Aug. 12; Serial No. 192,510; published June 3, 1924.
Calcium acetyl salicylate. Naamlooze Vennootschap Amsterdamsche Chinine-Fabriek. 187,810; Aug. 12; Serial No. 194,204; published May 20, 1924.
Capsules for swine, Soluble worm. Peters Hog Serum Company. 187,876; Aug. 12; Serial No. 193,471; published June 3, 1924.
Chemical. Mile-A-Minute Incorporated. 187,872; Aug. 12; Serial No. 192,633; published May 20, 1924.
Cleansing packs. Keramik Company. 187,751; Aug. 12; Serial No. 194,274; published May 20, 1924.
Cough waffles. I. J. Epstein. 187,989; Aug. 12; Serial No. 191,676; published May 20, 1924.
Creams and powders. Beauti-Craft Co. 187,695; Aug. 12; Serial No. 189,960; published May 20, 1924.
Creams, face powder, liquid astringent and whitener. L. Penter. 187,742; Aug. 12; Serial No. 194,412; published May 20, 1924.
Creams, face powder, rouge, etc. S. Glemby's Sons Co. 187,858; Aug. 12; Serial No. 193,106; published May 20, 1924.
Creams, powders, rouge, etc. S. Glemby's Sons Co. 187,859; Aug. 12; Serial No. 193,102; published May 20, 1924.
Creams, Vanishing. Knapp Extract Co. 187,888; Aug. 12; Serial No. 193,839; published May 20, 1924.

Dandruff remover and toilet water, Liquid. United Cutlery Company. 187,976; Aug. 12; Serial No. 190,484; published June 3, 1924.
Deodorants, air purifiers, etc. West Disinfecting Company. 187,995; Aug. 12; Serial No. 194,383; published May 20, 1924.
Diastatic preparation. American Burtonizing Company and Wallerstein Laboratories. 187,814; Aug. 12; Serial No. 194,239; published May 20, 1924.
Hair grower, liquid hair tonic, shampoo, etc. Mme. Hayden-Ransom Mfg. Co. 187,731; Aug. 12; Serial No. 194,347; published May 20, 1924.
Hair tonic. J. C. Lyons. 187,916; Aug. 12; Serial No. 194,607; published June 3, 1924.
Hair tonic. R. Odell & Sons Company. 187,792; Aug. 12; Serial No. 153,615; published Feb. 13, 1923.
Hair tonic. R. Odell & Sons Company. 187,793; Aug. 12; Serial No. 153,615; published Feb. 13, 1923.
Hair tonic and shampoo. G. B. Lumpkin. 187,683; Aug. 12; Serial No. 192,185; published June 3, 1924.
Insecticide. F. A. Frazier Company. 187,920; Aug. 12; Serial No. 194,700; published June 3, 1924.
Insecticide. O. & W. Thum Company. 187,918; Aug. 12; Serial No. 194,657; published June 3, 1924.
Insecticide and fungicide. F. A. Frazier Company. 187,919; Aug. 12; Serial No. 194,699; published June 3, 1924.
Insecticides. American Cyanamid Company. 187,815; Aug. 12; Serial No. 194,241; published May 20, 1924.
Insecticides, germicides, and disinfectants. S. M. Gregg. 187,855; Aug. 12; Serial No. 193,230; published June 3, 1924.
Liniment for cuts, burns, etc. F. G. Penn. 187,743; Aug. 12; Serial No. 194,411; published May 20, 1924.
Lotion, Skin. Dermideal Laboratories. 187,745; Aug. 12; Serial No. 194,397; published May 20, 1924.
Lye. Pennsylvania Salt Manufacturing Company. 187,802–3; Aug. 12; Serial Nos. 176,092–3; published May 20, 1924.
Medicinal preparation. Phospho-Albumen Company. 187,739; Aug. 12; Serial No. 194,474; published May 20, 1924.
Medicinal preparation for the treatment of diabetes, etc. Eli Lilly and Company. 187,698; Aug. 12; Serial No. 189,568; published June 3, 1924.
Medicine. Eli Lilly & Company. 187,913; Aug. 12; Serial No. 194,550; published June 3, 1924.
Medicine for digestive and stomach trouble. First Texas Chemical Manufacturing Company. 187,991; Aug. 12; Serial No. 191,692; published May 20, 1924.
Medicine for the treatment of amenorrhea, etc. First Texas Chemical Manufacturing Company. 187,990; Aug. 12; Serial No. 191,691; published May 20, 1924.
Medicines, Stomach. Oregon-Iron Laboratories. 187,915; Aug. 12; Serial No. 194,566; published June 3, 1924.
Ointment. First Texas Chemical Manufacturing Company. 187,992; Aug. 12; Serial No. 191,693; published May 20, 1924.
Perfume, Lentheric Inc. 187,746–7; Aug. 12; Serial Nos. 194,359–60; published May 20, 1924.
Perfumes, toilet water, rouges, etc. Blum's, Incorporated. 187,860; Aug. 12; Serial No. 193,091; published May 20, 1924.
Pharmaceutical preparation. Phospho-Albumen Company. 187,740; Aug. 12; Serial No. 194,473; published May 20, 1924.
Powder and pastes, and gargles, Tooth. Aktiebolaget Dentosal. 187,986; Aug. 12; Serial No. 191,248; published June 3, 1924.
Powders, face creams, lotions, etc., Face. A. Overton. 187,709; Aug. 12; Serial No. 184,679; published June 3, 1924.
Preparation for treating the hair and scalp. A. B. Blanks. 187,750; Aug. 12; Serial No. 194,331; published May 20, 1924.
Remedy for the scalp and hair and the treatment of eczema, etc. M. L. Taylor. 187,934; Aug. 12; Serial No. 194,140; published June 3, 1924.
Salt. Union Salt Company. 187,677; Aug. 12; Serial No. 191,927; published June 3, 1924.
Salve, Medicated. L. C. Hamel. 187,685; Aug. 12; Serial No. 192,327; published May 20, 1924.
Shampoo. E. R. Levy. 187,735; Aug. 12; Serial No. 194,548; published June 3, 1924.
Skin cream. World's Dispensary Medical Association. 187,959; Aug. 12; Serial No. 171,053; published June 3, 1924.
Tablets, Pennyroyal, tansy, etc. Robert J. Pierce, Inc. 187,780; Aug. 12; Serial No. 194,020; published June 3, 1924.
Temple grower, facial cream, etc. A. H. Long. 187,914; Aug. 12; Serial No. 194,551; published June 3, 1924.
Tonic. Laboratorio Iodarsenico Giuseppe Guidotti & C. 187,819; Apr. 12; Serial No. 134,074; published June 3, 1924.
Tonic and blood purifier. Louisiana Pharmacal Co. 187,693; Aug. 12; Serial No. 192,630; published May 20, 1924.

CLASS 8.

Pipes and cigar and cigarette holders. Dasco Import Co. 187,893; Aug. 12; Serial No. 192,247; published June 3, 1924.
Pipes, cigar and cigarette holders, humidors, etc. S. Gordon. 187,715; Aug. 12; Serial No. 195,635; published June 3, 1924.

CLASS 9.

Explosives and fireworks. P. C. Morris. 187,870; Aug. 12; Serial No. 192,720; published May 27, 1924.
Firearms and parts thereof. Remington Arms Company. 187,871; Aug. 12; Serial No. 192,644; published May 27, 1924.
Fuse. Ensign-Bickford Co. 187,764–5; Aug. 12; Serial Nos. 195,161–2; published June 3, 1924.
Matches. Ohio Match Company. 187,700; Aug. 12; Serial No. 189,471; published Apr. 22, 1924.

CLASS 11.

Ink reducer. Standard Oil Company. (New Jersey). 187,777; Aug. 12; Serial No. 193,970; published May 13, 1924.
Inks. R. E. Sleight. 187,699; Aug. 12; Serial No. 189,536; published May 6, 1924.
Inks, Printing. J. M. Huber, Inc. 187,691; Aug. 12; Serial No. 192,572; published May 13, 1924.
Inks, Printing. Jaenecke-Ault Company. 187,984; Aug. 12; Serial No. 191,022; published May 6, 1924.

CLASS 13.

Ribs, faucets, and cocks. Standard Sanitary Mfg. Company. 187,862; Aug. 12; Serial No. 193,004; published May 27, 1924.
Cooking utensils. Brillo Manufacturing Company. 187,866; Aug. 12; Serial No. 192,888; published May 27, 1924.
Doorstops. H. Josephson. 187,767; Aug. 12; Serial No. 195,110; published May 27, 1924.
Enameled articles, Porcelain and baked. American Enameled Products Co. 188,001; Aug. 12.
Metal upholstery trimming goods. Brewer-Titchener Corporation. 187,912; Aug. 12; Serial No. 190,668; published May 27, 1924.
Screws, machine-screw nuts, stove bolts, etc. Reed & Prince Manufacturing Company. 187,966; Aug. 12; Serial No. 178,866; published May 27, 1924.
Shields, Expansion. Star Expansion Bolt Company. 187,763; Aug. 12; Serial No. 195,200; published May 27, 1924.
Springs, Coil door. Sargent & Company. 187,837–8; Aug. 12; Serial Nos. 193,733–4; published May 27, 1924.
Window screens. Foster Screen Co. 187,845; Aug. 12; Serial No. 194,101; published May 27, 1924.

CLASS 14.

Alloys. F. A. Fahrenwald. 187,789; Aug. 12; Serial No. 188,899; published May 27, 1924.
Castings. Lamb Machine Company. 188,021; Aug. 12.
Steel, Heat-resisting. E. H. Noack. 187,846; Aug. 12; Serial No. 194,408; published May 27, 1924.

CLASS 16.

Blackboards, Liquid slating for. Weber Costello Co. 187,890; Aug. 12; Serial No. 193,872; published Apr. 29, 1924.
Coating composition. Toch Brothers, Incorporated. 187,983; Aug. 12; Serial No. 190,947; published Apr. 22, 1924.
Gums and liquid varnishes, Dry. Permatex Company. 187,883; Aug. 12; Serial No. 193,678; published Apr. 20, 1924.
Lacquer. R. F. Johnston Paint Company. 187,993; Aug. 12; Serial No. 194,450; published May 20, 1924.
Paint and varnish remover. Atlantic Paint and Varnish Remover Company. 187,736; Aug. 12; Serial No. 194,509; published May 20, 1924.
Paint, Asphalt. Elliott Varnish Co. 187,878; Aug. 12; Serial No. 193,509; published Apr. 29, 1924.
Paint enamel. Sunset Paint Company. 187,688; Aug. 12; Serial No. 192,443; published May 20, 1924.
Paint, Paste, Sunset Paint Company. 187,689; Aug. 12; Serial No. 192,444; published Apr. 22, 1924.
Paints. Sovereign Paint Company. 187,809; Aug. 12; Serial No. 194,136; published Apr. 29, 1924.
Paints and varnishes, Ready-mixed. Baker Paint & Varnish Co. 187,781; Aug. 12; Serial No. 194,041; published May 20, 1924.
Paints, Mixed. Baker Paint & Varnish Co. 187,880; Aug. 12; Serial No. 193,566; published May 20, 1924.
Polish, Auto. Quaker City Auto Polish Co. 187,738; Aug. 12; Serial No. 194,479; published May 20, 1924.
Polish for furniture, autos, etc. J. L. Riley. 187,687; Aug. 12; Serial No. 192,430; published May 20, 1924.
Polish, Furniture. R. J. Astleford. 187,882; Aug. 12; Serial No. 193,650; published Apr. 29, 1924.
Polish, Furniture and automobile body. John T. Stanley Co. 187,737; Aug. 12; Serial No. 194,491; published May 20, 1924.
Polishing preparations. 1-Do Polish Co. 187,887; Aug. 12; Serial No. 193,835; published May 20, 1924.
Varnish. E. W. Bruce. 187,979–80; Aug. 12; Serial Nos. 190,717–18; published Apr. 22 1924.
Varnish. Phelan-Faust Paint Manufacturing Company. 187,879; Aug. 12; Serial No. 193,539; published Apr. 29, 1924.

Varnish, oil stencil paste, etc., Sizing. Naz-Dar Company. 187,929; Aug. 12; Serial No. 195,066; published May 20, 1924.

CLASS 17.

Cigars. E. R. Leonard. 187,786; Aug. 12; Serial No. 187,426; published May 27, 1924.
Cigars. Sanchez & Haya Co. 187,714; Aug. 12; Serial No. 195,989; published June 3, 1924.
Cigars. R. J. Seidenberg Co. 187,722; Aug. 12; Serial No. 195,600; published June 3, 1924.
Tobacco. Tobacco Rehandling Co. 187,839; Aug. 12; Serial No. 193,790; published May 27, 1924.
Tobacco, Smoking. Cope Bros. & Co. 187,771; Aug. 12; Serial No. 194,853; published June 3, 1924.

CLASS 19.

Automobiles and their structural parts. Chrysler Motor Corporation. 187,901; Aug. 12; Serial No. 191,746; published May 13, 1924.

CLASS 21.

Batteries and parts thereof, battery chargers, etc., Electric. S. R. M. Orum, Inc. 187,682; Aug. 12; Serial No. 192,145; published May 27, 1924.
Battery chargers. Apco Manufacturing Company. 187,885; Aug. 12; Serial No. 193,794; published May 27, 1924.
Condensers, radiofrequency transformers, etc., Variable electrical. Dubilier Condenser & Radio Corporation. 188,015; Aug. 12.
Electric wires or cables. Boston Insulated Wire & Cable Co. 188,023; Aug. 12.
Electrodes of carbon and apparatus for electric lighting, Electric-arc. Gebruder Siemens & Company. 187,963–4; Aug. 12; Serial Nos. 159,960–1; published June 3, 1924.
Engines and parts thereof, Magneto-electric ignition system for internal-combustion. Robert Bosch Aktiengesellschaft. 197,960; Aug. 12; Serial No. 170,365; published June 3, 1924.
Heating elements for flatirons, etc., Electric. Ogden Manufacturing Company. 187,905; Aug. 12; Serial No. 191,341; published June 3, 1924.
Lamps and incandescent bulbs, Electric. Brillo Manufacturing Company. 187,939; Aug. 12; Serial No. 192,891; published June 3, 192-.
Lamps, Electric. Silvray Company. 187,776; Aug. 12; Serial No. 193,968; published May 27, 1294.
Motors and generators, alternators, etc., Electric. Continental Electric Co. 187,900; Aug. 12; Serial No. 191,813; published June 3, 1924.
Radio aerials and tube-projecting instruments. F. H. Mackenzie. 187,902; Aug. 12; Serial No. 191,711; published June 3, 1924.
Radio electrical appliances. Electrical Research Laboratories. 187,981; Aug. 12; Serial No. 190,773; published May 6, 1924.
Radio products. Harold M. Schwab, Inc. 187,787; Aug. 12; Serial No. 187,490; published June 3, 1924.
Radio receiving sets. Cleveland Apparatus Company. 187,971; Aug. 12; Serial No. 183,318; published June 3, 1924.
Radio receiving sets. Moon Radio Corporation. 187,889; Aug. 12; Serial No. 193,846; published May 27, 1924.
Radio receiving sets and parts thereof. Elgin Radio Corporation. 187,891; Aug. 12; Serial No. 193,908; published May 27, 1924.
Radio receiving sets and parts thereof. Novelty Radio Manufacturing Company. 187,808; Aug. 12, Serial No. 194,119; published May 27, 1924.
Radio receiving sets and parts thereof, etc. R. E. Thompson Manufacturing Company. 187,851; Aug. 12; Serial No. 194,630; published June 3, 1924.
Radio receiving sets and radio electric apparatus. H. Stevenson. 187,944; Aug. 12; Serial No. 193,080; published June 3, 1924.
Radio wave traps and tuning instruments. Vesco Radio Shop. 187,684; Aug. 12; Serial No. 192,287; published May 6, 1924.
Spark plug. H. W. Watson. 187,936; Aug. 12; Serial No. 192,511; published May 27, 1924.
Spark plugs. Frizzell & Rountrey. 187,945; Aug. 12; Serial No. 193,228; published June 3, 1924.
Vehicles, Magneto and starter assemblies, etc. for motor. White Motor Company. 187,801; Aug. 12; Serial No. 175,898; published Apr. 29, 1924.
Water heaters and parts thereof, Electrically-actuated gas-control appliances for. Brenco Corporation. 187,797; Aug. 12; Serial No. 169,801; published May 27, 1924.
Wireless apparatus and horns therefor, Receiving sets for. Inter-Ocean Radio Corporation. 187,998; Aug. 12.
Wireless receiving sets. Western Coil & Electrical Co. 187,707; Aug. 12; Serial No. 185,394; published Nov. 13, 1923.

CLASS 22.

Balls, Golf. Wright & Ditson. 187,972; Aug. 12; Serial No. 178,585; published June 3, 1924.
Billiard chalk. Brunswick-Balke-Collender Company. 187,770; Aug. 12; Serial No. 194,905; published May 27, 1924.
Game apparatus. J. S. Wolff. 187,836; Aug. 12; Serial No. 193,694; published May 27, 1924.
Game, Table. Alderman, Fairchild Company. 187,898; Aug. 12; Serial No. 191,999; published June 3, 1924.
Game, Table. V. B. Coleman. 187,948; Aug. 12; Serial No. 193,504; published May 27, 1924.
Game, Table board. V. R. Skirving. 187,895–6; Aug. 12; Serial Nos. 192,153–4; published May 27, 1924.
Game tables and score cards. K's Inc. 187,784; Aug. 12; Serial No. 187,007; published May 27, 1924.
Games. Pung-Chow Company. 187,967; Aug. 12; Serial No. 179,954; published May 27, 1924.
Golf clubs. Abraham & Straus, Inc. 187,933; Aug. 12; Serial No. 194,503; published May 27, 1924.
Rackets, Tennis. F. L. Slazenger. 187,910; Aug. 12; Serial No. 190,857; published May 27, 1924.
Toy animals. P. G. Atlantic Toy Mfg. Co. 187,716; Aug. 12; Serial No. 195,535; published June 3, 1924.
Toy dogs, Stuffed. Davis and Voetsch, Inc. 187,769; Aug. 12; Serial No. 194,912; published June 3, 1924.
Toys, Jointed figure. R. D. Groves. 187,853; Aug. 12; Serial No. 194,796; published June 3, 1924.
Toys, Mechanical. American Flyer Mfg. Co. 187,909; Aug. 12; Serial No. 190,863; published May 27, 1924.
Wagons, Juvenile. Auto Wheel Coaster Company. 187,848; Aug. 12; Serial No. 194,510; published May 27, 1924.

CLASS 23.

Air compressors and pumps. Ingersoll-Rand Company. 188,010; Aug. 12.
Axes, hatchets, chisels, etc. Collins Company. 187,954; Aug. 12; Serial No. 177,122; published May 27, 1924.
Dandelion diggers. R. W. Simon. 188,019; Aug. 12.
Knives and forks. Hemming Bros. Co. 188,017; Aug. 12.
Pumps. P. F. Schryer. 187,938; Aug. 12; Serial No. 192,737; published May 27, 1924.
Razors and scissors. Wester Bros. 188,002; Aug. 12.
Razors, blades, and sets, Safety. Gem Safety Razor Corporation. 187,946; Aug. 12; Serial No. 193,229; published May 27, 1924.
Tool adjustable for use as a wrench or pliers. G. O. Carlson. 187,886; Aug. 12; Serial No. 193,804; published May 27, 1924.
Tools, Steel. Marion Tool Works, Inc. 187,705; Aug. 12; Serial No. 187,526; published Jan. 29, 1924.
Vending machines. Woodroth Gum Co. 187,997; Aug. 12.
Wrenches. Ever-Grip Wrench Company. 187,903; Aug. 12; Serial No. 191,607; published May 27, 1924.

CLASS 24.

Clothes-washing machines. Johnson Electric Washer Co. 187,892; Aug. 12; Serial No. 193,926; published May 13, 1924.
Ironing tables. Rid-Jid Products Corporation. 187,917; Aug. 12; Serial No. 194,620; published May 13, 1924.

CLASS 26.

Photographic papers and films. Farbenfabriken vorm. Friedr. Bayer & Co. 187,856; Aug. 12; Serial No. 193,219; published May 20, 1924.
Stereoscopic machines and photographic slides. B. Wilk. 188,022; Aug. 12.

CLASS 27.

Clock and watch movements. United Jewelers, Inc. 187,807; Aug. 12; Serial No. 180,310; published May 6, 1924.
Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 187,908; Aug. 12; Serial No. 190,965; published June 3, 1924.
Time recorders, clocks, and watches. Etna Watch Co. 188,007–8; Aug. 12.
Watches. Olsen & Ebann. 187,774; Aug. 12; Serial No. 193,953; published May 13, 1924.
Watches, watch movements, and parts thereof. Wyss & Tröhler, Welta, Edys & Nelka Watch Co. 188,012–13; Aug. 12.
Watches, watch movements, etc. Marvin Watch Co. 188,009; Aug. 12.

CLASS 28.

Buckles, collar buttons, collar fasteners, etc. H. Payton. 187,874; Aug. 12; Serial No. 193,352; published May 13, 1924.
Cosmetic containers. Elgin American Manufacturing Co. 187,704; Aug. 12; Serial No. 188,110; published May 20, 1924.
Lingerie clasps, bracelets, scarfpins, etc. Kestenman Brothers Mfg. Co. 187,873; Aug. 12; Serial No. 193,292; published May 13, 1924.
Pearl necklaces and pearl strings. Borrelli & Vitelli. 187,692; Aug. 12; Serial No. 192,594; published May 6, 1924.
Pearls, Artificial. D. N. Pudlin. 187,988; Aug. 12; Serial No. 191,640; published May 6, 1924.
Pencils, Metallic. Goldstein Manufacturing Company. 187,955; Aug. 12; Serial No. 175,389; published June 3, 1924.
Pins, lockets, bracelets, finger rings, etc., Bar. Fred A. Wish, Incorporated. 187,861; Aug. 12; Serial No. 193,014; published May 27, 1924.
Precious and semiprecious stones. Superior Lapidary Co. 187,906; Aug. 12; Serial No. 191,148; published June 3, 1924.

Precious stones and jewelry. National Diamond Assemblers, Inc. 187,678; Aug. 12; Serial No. 191,969; published May 6, 1924.
Rings, Bracelets, etc. Charles M. Levy & Son. 187,867; Aug. 12; Serial No. 192,848; published May 6, 1924.

CLASS 29.

Brushes, Floor. Save-A-Handle Products Co. 187,911; Aug. 12; Serial No. 190,744; published May 27, 1924.
Toothbrushes. Sanitas Twin Tooth Brush Corp. 188,024; Aug. 12.

CLASS 30.

Porcelain and chinaware. Sebring Pottery Company. 187,788; Aug. 12; Serial No. 188,502; published June 3, 1924.

CLASS 33.

Glassware. Marietta Manufacturing Company. 187,766; Aug. 12; Serial No. 195,115; published June 3, 1924.

CLASS 34.

Boilers, heat regulators, and boiler sections, etc., Fluid-fuel. United Utilities & Engineering Corp. 187,973; Aug. 12; Serial No. 190,038; published May 13, 1924.
Cowls and shafts and devices attached to or mounted in such shaft, Ventilating and chimney. W. H. Mottershall. 187,805; Aug. 12; Serial No. 177,016; published May 20, 1924.
Fuel-oil burners. Economy Heater Co. 187,701; Aug. 12; Serial No. 189,187; published Apr. 15, 1924.
Headlights, Light deflectors for automobile. Metal Products Company. 187,978; Aug. 12; Serial No. 190,645; published May 13, 1924.
Lanterns and the burners and metal parts thereof. R. E. Dietz Company. 187,676; Aug. 12; Serial No. 191,875; published May 13, 1924.
Locomotive stokers and repair parts thereof. Locomotive Stoker Company. 187,800; Aug. 12; Serial No. 174,580; published May 20, 1924.
Oxyacetylene cutting apparatus. Air Reduction Company. 187,877; Aug. 12; Serial No. 193,487; published May 13, 1924.
Ranges. Siegler Enamel Range Company. 187,863–4; Aug. 12; Serial Nos. 192,930–1; published May 13, 1924.
Stoves, Liquid-fuel-burning. Protane Corporation. 187,869; Aug. 12; Serial No. 192,731; published May 13, 1924.
Stoves, Liquid-fuel camp. Goldberg Brothers. 187,884; Aug. 12; Serial No. 193,766; published May 13, 1924.
Ventilators and chimney hoods, Roof. Alfred C. Goethel Co. 187,804; Aug. 12; Serial No. 176,618; published May 6, 1924.

CLASS 35.

Automobile rims, Flaps for. North Eastern Rubber Co. 187,694; Aug. 12; Serial No. 193,116; published May 20, 1924.
Belting, Cotton and leather. Peerless Belting Company. 187,713; Aug. 12; Serial No. 170,949; published May 6, 1924.
Belting, Leather. Hide Leather & Belting Co. 187,799; Aug. 12; Serial No. 174,009; published May 6, 1924.
Belting, Leather. Edward R. Ladew Company. 187,772; Aug. 12; Serial No. 193,929; published May 6, 1924.
Brake linings. Republic Rubber Company. 187,762; Aug. 12; Serial No. 195,303; published May 20, 1924.
Hose. B. F. Goodrich Company. 187,768; Aug. 12; Serial No. 194,993; published May 20, 1924.
Hose. E. M. Smith Co. 187,941; Aug. 12; Serial No. 192,932; published May 20, 1924.
Packing and gaskets, Sheets. Vellumoid Company. 187,868; Aug. 12; Serial No. 192,806; published May 13, 1924.
Packing, Machinery. West American Rubber Company. 187,953; Aug. 12; Serial No. 178,081; published May 13, 1924.
Packings, Metallic. Paxton-Mitchell Company. 187,816; Aug. 12; Serial No. 192,337; published May 13, 1924.
Piston rings. S. N. North. 187,680; Aug. 12; Serial No. 192,029; published May 6, 1924.
Tape, Gasketing. Johns-Manville, Incorporated. 187,675; Aug. 12; Serial No. 191,709; published May 13, 1924.
Tire patches. F. J. Hagerling. 187,840; Aug. 12; Serial No. 193,832; published May 20, 1924.
Tires. McKone Tire and Rubber Company. 187,931; Aug. 12; Serial No. 193,607; published May 20, 1924.
Tires and inner tubes. H. V. Whitlock. 187,996; Aug. 12; Serial No. 192,462; published May 13, 1924.
Tires, Automobile. New England Mills Company. 187,865; Aug. 12; Serial No. 192,923; published May 6, 1924.
Tires, Automobile. T. O. Probey Company. 187,894; Aug. 12; Serial No. 192,220; published May 13, 1924.
Tubes, Pneumatic. Wolverine Climax Company. 187,854; Aug. 12; Serial No. 193,262; published May 6, 1924.

CLASS 36.

Music rack and sheet turner, Combination. B. R. Hunt. 187,881; Aug. 12; Serial No. 193,591; published May 20, 1924.
Musical instruments. Fred. Gretsch Mfg. Co. 187,744; Aug. 12; Serial No. 194,400; published May 20, 1924.
Musical pitchforks. C. J. Mussehl. 188,006; Aug. 12.
Phonograph records. American Record Manufacturing Company. 187,923; Aug. 12; Serial No. 194,895; published May 20, 1924.
Phonograph records. S. Kronberg. 187,931; Aug. 12; Serial No. 195,174; published May 20, 1924.
Phonographs. Krasco Manufacturing Company. 187,696; Aug. 12; Serial No. 189,796; published May 6, 1924.
Phonographs, Portable. Emil Bornstein, Inc. 188,018; Aug. 12.

CLASS 37.

Paper, Commercial. Union Lithograph Co. 187,942; Aug. 12; Serial No. 193,008; published May 13, 1924.

CLASS 38.

Publication. Sunny California Publishing Corporation. 187,875; Aug. 12; Serial No. 193,429; published May 27, 1924.

CLASS 39.

Coats, suits, dresses, etc. Irving Berlin, Inc. 188,011; Aug. 12.
Raincoats, topcoats, and overcoats, Rubberized. J. I. Aronson. 187,987; Aug. 12; Serial No. 191,469; published May 6, 1924.

CLASS 42.

Blankets. L. B. Price Mercantile Company. 187,985; Aug. 12; Serial No. 191,186; published May 27, 1924.
Carpets and rugs, Textile. Bigelow-Hartford Carpet Co. 187,907; Aug. 12; Serial No. 191,052; published Mar. 25, 1924.
Cloth sold in the piece and made of animal fibre. S. Stroock & Company. 187,952; Aug. 12; Serial No. 193,636; published June 3.
Cotton piece goods. J. A. Finn & Company. 187,927; Aug. 12; Serial No. 194,988; published May 27, 1924.
Cotton piece goods. Turner & Walls. 187,818; Aug. 12; Serial No. 192,802; published May 27, 1924.
Cotton, silk, cotton and silk, and art-silk piece goods. Julius Kayser & Co. 187,733; Aug. 12; Serial No. 189,506; published Mar 25, 1924.
Cotton, silk, wool, etc., cloth. Elder Mfg. Co. 187,850; Aug. 12; Serial No. 194,594; published May 27, 1924.
Cotton textile fabrics in the piece. Max Schwarz Textile Corporation. 187,930; Aug. 12; Serial No. 195,133; published May 27, 1924.
Dress goods. Blever & Weinberg. 187,835; Aug. 12; Serial No. 193,655; published June 3, 1924.
Fabrics and piece goods of artificial silk, Narrow. Warren Featherbone Company. 187,821; Aug. 12; Serial No. 195,319; published May 27, 1924.
Fabrics, Cotton. Heberlein & Co., A. G. 187,703; Aug. 12; Serial No. 188,481; published June 3, 1924.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 187,922; Aug. 12; Serial No. 194,779; published May 27, 1924.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 187,925–6; Aug. 12; Serial Nos. 194,973–4; published May 27, 1924.
Gingham piece goods. Boston Store of Chicago, Inc. 187,844; Aug. 12; Serial No. 194,095; published June 3, 1924.
Hair nets. G. B. MacLeod. 187,965; Aug. 12; Serial No. 155,767; published May 27, 1924.
Hair nets. New York Merchandise Company. 187,924; Aug. 12; Serial No. 194,939; published May 27, 1924.
Hair nets. J. Zabludoff. 187,794; Aug. 12; Serial No. 159,396; published Aug. 29, 1922.
Handkerchiefs. E. Heller & Brother Inc. 187,852; Aug. 12; Serial No. 194,710; published May 27, 1924.
Nets, Cover. W. R. Chappell. 187,741; Aug. 12; Serial No. 194,433; published May 27, 1924.
Piece goods. Lorraine Manufacturing Company. 188,003–4; Aug. 12.
Pillowcases. Archer-Jantzen Co. 187,921; Aug. 12; Serial No. 194,766; published May 27, 1924.
Rugs, Fiber. Deltox Grass Rug Company. 187,749; Aug. 12; Serial No. 194,338; published May 27, 1924.
Rugs, Wool-fiber. Deltox Grass Rug Company. 187,748; Aug. 12; Serial No. 194,339; published May 27, 1924.
Sheetings and sheets, Bed. Alexander Manufacturing Company. 187,847; Aug. 12; Serial No. 194,506; published June 3, 1924.
Silk goods, linens, madras, and other cotton fabrics in the piece. Samuel Strauss, Sons & Co. 187,897; Aug. 12; Serial No. 192,100; published June 3, 1924.
Silk knitted cloth in the bolt and in the piece. Levi & Seligman, Inc. 187,732; Aug. 12; Serial No. 189,509; published June 3, 1924.
Silk piece goods. Audiger & Meyer Company. 187,778; Aug. 12; Serial No. 193,983; published May 27, 1924.
Silk piece goods. Zollinger & Schroth, Inc. 187,928; Aug. 12; Serial No. 195,035; published May 27, 1924.
Woolen goods in the piece. S. Stein & Co. 187,849; Aug. 12; Serial No. 194,576; published May 27, 1924.
Woolen goods in the piece. S. Stein & Company. 187,932; Aug. 12; Serial No. 195,309; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,717–20; Aug. 12; Serial No. 195,392–5; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,721; Aug. 12; Serial No. 195,390; published May 27, 1924.

Woolen piece goods. Forstmann & Huffmann Company. 187,723; Aug. 12; Serial No. 195,386; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,724–6; Aug. 12; Serial Nos. 195,381–4; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,727; Aug. 12; Serial No. 195,380; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,728–30; Aug. 12; Serial Nos. 195,376–8; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,752–5; Aug. 12; Serial Nos. 195,372–5; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,756–7; Aug. 12; Serial Nos. 195,367–8; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,758–60; Aug. 12; Serial Nos. 195,363–5; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company 187,817; Aug. 12; Serial N. 195,341; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,822; Aug. 12; Serial No. 195,343; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,823–5; Aug. 12; Serial Nos. 195,345–7; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,826; Aug. 12; Serial No. 195,349; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,827; Aug. 12; Serial No. 195,352; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,828–9; Aug. 12; Serial Nos. 195,355–6; published May 27, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 187,830–4; Aug. 12; Serial Nos. 195,358–62; published May 27, 1924.
Woolen piece goods. P. M. Quas Cohen. 187,956; Aug. 12; Serial No. 174,073; published May 27, 1924.
Worsted and woolen piece goods, cotton and worsted, etc., piece goods. Walther Manufacturing Co. 187,841; Aug. 12; Serial No. 193,870; published June 3, 1924.

CLASS 43.

Thread. J. E. Barbour Company. 187,779; Aug. 12; Serial No. 193,984; published May 27, 1924.
Thread. Union Thread Company. 187,811–13; Aug. 12; Serial Nos. 194,228–30; published May 27, 1924.
Yarns. National Spinning Company. 187,943; Aug. 12; Serial No. 193,060; published May 27, 1924.

CLASS 44.

Antirheumatic ring. S. F. Kimball. 187,950; Aug. 12; Serial No. 193,602; published May 27, 1924.
Cotton, gauze, bandages, etc., Absorbent. American Gauze & Cotton Company. 187,899; Aug. 12; Serial No. 191,933; published May 27, 1924.
Manicure sets. J. C. Dowd & Co. 187,940; Aug. 12; Serial No. 192,902; published May 27, 1924.
Sanitary napkins, bloomers, and belts, etc. Venus Corporation. 187,935; Aug. 12; Serial No. 192,345; published 27, 1924.
Surgical splint. J. H. Praute. 187,977; Aug. 12; Serial No. 190,518; published Feb. 26, 1924.

CLASS 45.

Beverage and sirups for making same, Nonalcoholic, maltless. Orange Crush Company. 187,820; Aug. 12; Serial No. 149,927; published Oct. 18, 1921.
Beverage sold as a soft drink. Hurty-Peck & Company. 187,969; Aug. 12; Serial No. 185,280; published May 27, 1924.
Beverage sold as soft drink. H. Squirsky. 187,761; Aug. 12; Serial No. 195,304; published June 3, 1924.
Beverages and concentrates and compounds for making the same. Orange Crush Company. 187,791; Aug. 12; Serial No. 156,594; published Mar. 20, 1923.
Beverages sold as soft drinks. California Bottling Company. 187,706; Aug. 12; Serial No. 186,215; published May 27, 1924.
Beverages sold as soft drinks and sirups and extracts for making the same. Double Eagle Bottling Co. 187,957; Aug. 12; Serial No. 173,761; published May 27, 1924.
Flavorings and colorings for soft drinks. J. F. Lazier Manufacturing Co. 187,842–3; Aug. 12; Serial Nos. 193,930–31; published May 27, 1924.
Ginger ale. Canada Dry Ginger Ale, Inc. 187,710; Aug. 12; Serial No. 184,645; published May 27, 1924.
Soda pop. M. Zafuta. 188,005; Aug. 12.

CLASS 46.

Candy. Flowers Products Company. 187,947; Aug. 12; Serial No. 193,452; published May 27, 1924.
Candy. General Candy Co. 187,679; Aug. 12; Serial No. 192,016; published May 27, 1924.
Candy, icings, etc., Base or filler for. White-Stokes Co. 188,014; Aug. 12.
Candy, milk and sweet chocolate, cocoa, chewing gum, etc. Oswego Candy Works. 187,949; Aug. 12; Serial No. 193,538; published May 27, 1924.
Canned chile con carne. J. A. Lyons Chili Co. 187,937; Aug. 12; Serial No. 192,706; published May 27, 1924.
Canned fruits. Banning Canning Co. 187,795; Aug. 12; Serial No. 164,299; published May 15, 1923.
Canned vegetables, prepared mustard, cocoa. Ramey-Milburn Co. 187,970; Aug. 12; Serial No. 184,759; published May 27, 1924.
Caviar, Russian. Vita Fish Preserving Works. 187,961; Aug. 12; Serial No. 168,656; published June 3, 1924.
Coffee. Nash Coffee Company. 187,711; Aug. 12; Serial No. 183,080; published June 3, 1924.
Coffee, breakfast cereals, pancake flour, etc. Eavey Co. 187,962; Aug. 12; Serial No. 164,698; published May 27, 1924.
Food, mash, scratch feed, Baby-chick starting. Ove Mill Corporation. 187,783; Aug. 12; Serial No. 185,934; published May 27, 1924.
Fruits, Fresh, canned, bottled, etc. Morris & Jones Limited. 187,974–5; Aug. 12; Serial Nos. 190,123–4; published Apr. 29, 1924.
Fruits, Fresh citrous. Lindsay Farm Bureau Fruit Association. 187,697; Aug. 12; Serial No. 189,726; published Apr. 15, 1924.
Hams and bacon, Cured and boiled. Alabama Packing Company. 187,734; Aug. 12; Serial No. 189,440; published May 27, 1924.
Milk, Evaporated. Defiance Dairy Products Company. 187,904; Aug. 12; Serial No. 191,604; published May 27, 1924.
Sandwiches. E. Q. Cordner. 187,958; Aug. 12; Serial No. 171,528; published May 27, 1924.
Zwieback. Ranner & Korban. 188,016; Aug. 12.

CLASS 48.

Malt extract, malt and hop extract. Prima Company. 187,968; Aug. 12; Serial No. 185,618; published May 27, 1924.

CLASS 50.

Corks. Boucher Cork & Machine Co. 187,806; Aug. 12; Serial No. 177,356; published May 13, 1924.
Fireless cookers. Apex Electrical Manufacturing Company. 187,702; Aug. 12; Serial No. 188,517; published May 6, 1924.
Identifying devices for infants. E. A. O'Grady. 187,681; Aug. 12; Serial No. 192,031; published May 13, 1924.
Ladders. John S. Tilley Ladder Co. 187,686; Aug. 12; Serial No. 192,344; published May 13, 1924.
Monuments and stones. Woodbury Granite Company. 187,690; Aug. 12; Serial No. 192,463; published May 13, 1924.
Pearl shell used in connection with an adhesive or binder. Shell Products Company. 187,775; Aug. 12; Serial No. 193,964; published May 13, 1924.
Piece goods for automobile tops, etc. J. C. Haartz Company. 187,782; Aug. 12; Serial No. 194,060; published May 13, 1924.
Printing plates. W. F. Hall Printing Company. 187,708; Aug. 12; Serial No. 184,726; published May 13, 1924.
Printing plates, Finished. Pontiac Engraving & Electrotype Co. 187,982; Aug. 12; Serial No. 190,937; published May 6, 1924.
Shoe lasts, blind awnings, rubber cloth and mats, etc. Goldenberg's. 187,798; Aug. 12; Serial No. 170,637; published May 13, 1924.
Tents. G. H. Dial. 187,785; Aug. 12; Serial No. 187,205; published Dec. 11, 1923.
Tents, awnings, canvas porch curtains, etc. Topeka Tent & Awning Company. 187,712; Aug. 12; Serial No. 182,626; published May 6, 1924.

ALPHABETICAL LIST OF LABELS.

A•I•D Society. For Packages Containing Coffee. J. G.M. Strieby. 27,721; Aug. 12.
Aquazone. For Oxygenated Waters. Aquazone Corporation. 27,694; Aug. 12.
Capitol. For Evaporated Milk. Hillsboro Condensed Milk Company. 27,706; Aug. 12.
Chirpy. For a Drink. C. Smith. 27,715; Aug. 12.
Cornchek. For Corn Cure. Ritz Chemical Co. 27,710; Aug. 12.
Dr. Dam's Remedy. For Asthma Medicine. W. P. Webber. 27,722; Aug. 12.
El Donna Invisible Human Hair Net. For Hair Nets. National Trading Company. 27,709; Aug. 12.
Golden State Brand Butter. For Butter Cartons. Golden State Milk Products Company. 27,704; Aug. 12.
Goodman's Midgetea. For Matzoths. A. Goodman & Sons, Inc. 27,705; Aug. 12.

Illustro. For Cigars. Glorifier Cigar Co. 27,703; Aug. 12.
Improved Ribbon Wire Covering for Lamp Shades. For Covering for Wire of Lamp Shades. Economy Bias Binding Co. 27,702; Aug. 12.
Instructions For Installing Hoffman Quick Change Transmission Band For Ford Cars. For Transmission Bands for Automobiles. Hoffman Manufacturing Co. 27,707; Aug. 12.
Mi-Ma's Bread. For Bread. Steineck Bros. 27,717; Aug. 12.
My Very Best Friends. For a Box Containing Six Story Books. Stoll & Edwards Company. 27,719; Aug. 12.
Milmehner Kindl. For Prepared Malt Extract. C. Wilde. 27,723; Aug. 12.
Picture Building Game. For a Box Containing a Game. Stoll & Edwards Company. 27,720; Aug. 12.
Pilot Rock. For Canned Vegetables—Namely, Tomatoes. J. J. Dawson. 27,701; Aug. 12.
Preferred Stock. For Nonalcoholic Beverages. Arnholt & Schaefer Brewing Company. 27,695; Aug. 12.
St. Thomas Bay Rum. For Bay Rum. Ritz Perfume Co. 27,711; Aug. 12.
Silox. For Paper Cartons Containing the Individual Containers for a Prophylactic Antiseptic Toilet Powder. Silica Gel Products Corporation. 27,712; Aug. 12.
Silox. For Individual Containers for a Prophylactic Antiseptic Toilet Powder. Silica Gel Products Corporation. 27,713; Aug. 12.
Silox. For Paper Cartons in Which are Placed Individual Containers Filled with a Prophylactic Antiseptic Dusting Powder. Silica Gel Products Corporation. 27,714; Aug. 12.
Stafford's Peerless Peeled Fresh Fruits Assorted. For Fresh Peeled Fruit. E. Stafford. 27,716; Aug. 12.
Souvenir Views. For Packages Containing Views. Curt Teich & Company. 27,700; Aug. 12.
White Star. For Fresh Lettuce. California Vegetable Union. 27,697; Aug. 12.
White Star Bleaching Water. For Bleaching Water. A. E. Boisclair. 27,696; Aug. 12.
Whole Cracked Breakfast Wheat. For a Breakfast Food. Carque Pure Food Co. 27,698; Aug. 12.
Whole-Yellow Corn Meal. For Corn Meal. Carque Pure Food Co. 27,699; Aug. 12.
When I Grow Up Stories for Little Boys. For a Box Containing Four Story Books. Stoll & Edwards Company. 27,718; Aug. 12.
Wilson Cleaner. For Cleaning Fluid. Wilson Chemical Co. 27,724; Aug. 12.
Yorkshire Farm. For Canned Food Products. John Morrell & Co. 27,708; Aug. 12.

ALPHABETICAL LIST OF PRINTS.

Everything as clean as clean can be. For Washing-Machine Soap. Los Angeles Soap Co. 7,557; Aug. 12.
Motimaint. For Automobiles. Automotive Maintenance Company. 7,553; Aug. 12.
On Your Table. For Ginger Ale. Canada Dry Ginger Ale, Incorporated. 7,554; Aug. 12.
So you dawdle the morning away. For Wheat Breakfast Food. Cream Of Wheat Co. 7,555; Aug. 12.
The Dodecagon Cut In the Neutral Ground Twilight Tinted Lenses. For Fancy Cut Spectacle, Eyeglass, and Colored Lenses. W. B. Georgia. 7,556; Aug. 12.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Clinchfield Coal Corporation. 197,016; Aug. 12.
Coal. D. C. Shoemaker Coal Company. 198,329; Aug. 12.
Leather and lace leather in sides. Cut lace. Graton & Knight Manufacturing Company. 196,658; Aug. 12.
Leathers. McNeely Company. 188,126; Aug. 12.

CLASS 2.

Confectionery boxes. Société Anonyme des Etablissements Roïzaud "a la Marquise de Sévigné" Chocolat de Royat. 198,590; Aug. 12.
Paper bags. Wortendyke Manufacturing Co. 198,550; Aug. 12.
Planters, Hand. Barteldes Seed Company. 195,477; Aug. 12.
Thermic bottles and jugs. Royal Manufacturing Company. 199,023; Aug. 12.

CLASS 4.

Chemical compound for cleaning real and artificial pearls. S. G. Hecht. 195,397; Aug. 12.
Cleaning composition. D. T. Murray. 191,713; Aug. 12.
Grinding compound. Abrasives Sales Corporation 193,562; Aug. 12.
Mineral product for cleaning tile, marble, wood, etc. Blue Seal Cleaners, Inc. 198,338; Aug. 12.
Oils and greases, Leather. Dyestuffs Corporation of America. 197,589; Aug. 12.
Preparations for cleaning and polishing shoes. Rex-Oil Company. 198,476; Aug. 12.
Preparations for cleaning, shining, and polishing shoes and all leather articles. Herriott Polish Company. 195,887; Aug. 12.
Preparations for cleaning, shining, and polishing shoes and all leather articles. Herriott Polish Company. 196,168–9; Aug. 12.
Soap, Laundry. John T. Stanley Co. 199,132; Aug. 12.
Washing and cleansing preparation. Kendall Manufacturing Company. 194,351; Aug. 12.
Washing and cleansing preparations. Kendall Manufacturing Company. 199,286; Aug. 12.
Washing powder. Parks Bros., Inc. 192,998; Aug. 12.
Washing powder for dishes and like articles. Chemo Products Co. 193,272; Aug. 12.

CLASS 6.

Cream, Beauty. P. Debauge. 192,367; Aug. 12.
Cream, luster, etc., Tissue. P. C. Reed. 197,114; Aug. 12.
Enamel, skin and tissue cream, and cleansing lotion, Face. J. Marker. 197,890; Aug. 12.
Eye bath. E. C. De Witt & Co. 198,734; Aug. 12.
Medical preparation for purifying the blood, etc. L. Neron. 185,258; Aug. 12.
Medicine for rheumatism and impurities of the blood. W. H. Lee. 198,715; Aug. 12.
Medicine for sore throat and throat swellings. E. Karikas. 197,818; Aug. 12.
Oil, Soluble sulphonated. A. Klipstein and Company. 198,713; Aug. 12.
Ointment for cuts, burns, etc., Antiseptic. Sulpho-Napthol Company. 196,409; Aug. 12.
Perfumeries and cosmetics. Steinfels Frères & Co. 194,747–8; Aug. 12.
Pharmaceutical preparation for corns, warts, and calli. H. P. Clearwater. 197,865; Aug. 12.
Powder, face lotions, and nail polishes, Complexion. George W. Luft Co. 198,320; Aug. 12.
Powder, skin lotion, skin-improver cream, etc., Face. Dame Nature Co. 180,054–5; Aug. 12.
Preparation for curing disorders of the digestive organs. C. Serono. 171,830; Aug 12.
Preparation for destroying the acidity in cream. Montana Process Company. 198,020; Aug. 12.
Salt. Chas. Kurz & Co. 198,241; Aug. 12.
Yeast for medical and chemical uses. Aktieselskabet de Danske Spritfabrikker. 162,976; Aug. 12.

CLASS 7.

Twine. Eagle Dye Works. 175,653; Aug. 12.

CLASS 11.

Inked ribbons and carbon papers. Miller-Bryant-Pierce Company. 196,398; Aug. 12.
Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 193,093–4; Aug. 12.

CLASS 12.

Bricks and high-temperature cement, Refractory. L. B. Botfield 179,653; Aug. 12.
Cement, Refractory. E. J. Lavino and Company. 170,028; Aug. 12.
Concrete, Material for treating. Concrete Surface Corporation. 198,175; Aug. 12.
Concrete paste, Water-soluble. Pittsburgh Building Specialties Company. 184,869; Aug. 12.
Plaster boards, Gypsum. Ontario Gypsum Co. Limited. 194,610; Aug. 12.

CLASS 13.

Table tops, chemical pans, washtub covers, brick pallets, etc. Vitreous Enameling Company. 178,484; Aug. 12.

CLASS 14.

Castings, metal ingots, sheet metal, etc. Major Engineering Corporation. 195,704; Aug. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 17.

Cigarettes. Société Anonyme Ed. Lauren—"Le Khédive" Extension Belge. 198,156; Aug. 12.
Cigars. Tichenor Cigar Co. 196,487; Aug. 12.

CLASS 19.

Automobile bodies. Quinlan Motors Company. 181,776; Aug. 12.
Automobile Mirrors. Acme Specialty Mfg. Co. 197,125; Aug. 12.
Automobile radiators. W. D. Blood & Company. 189,702; Aug. 12.
Automobile seat covers. Economy Cover Company. 195,160; Aug. 12.
Hub sets for vehicles. Monarch aluminum Ware Co. 198,019; Aug. 12.
Motor busses, Double-deck. A. E. Hutt. 197,665; Aug. 12.
Motor-truck bodies. Lee Trailer & Body Company. 193,053; Aug 12.

CLASS 21.

Condensers, rheostats, loud speakers, etc. Kirkman Engineering Corporation. 196,524; Aug. 12.
Crystals and crystal detectors. H. C. Breckenridge. 196,330; Aug. 12.
Electric-light-fixture units electrical switches, electric ranges, etc. F. A. Boss. 193,755; Aug. 12.
Electric tools for driving studs, nuts, etc. Elecdrive Manufacturing Company. 197,196; Aug. 12.
Insulated and covered wire on spools. J. Colvin. 191,747; Aug. 12.
Insulation purposes, Fabricated composite materials for electrical. Mica Insulator Company. 191,335; Aug. 12.
Insulators, Electric. Trenton Porcelain Company. 196,488; Aug. 12.
Lamp units, Portable-electric-. Greist Manufacturing Company. 162,544; Aug. 12.
Meat and bone cutting machines, Electrically-operated. Vaughan Company. 196,359; Aug. 12.
Radio apparatus and supplies. De Forest Radio Telephone & Telegraph Company. 194,592; Aug. 12.
Radio apparatus, parts, and supplies. Musical Products Distributing Co. 194,730; Aug. 12.
Radio electrical apparatus and component parts thereof. Mydar Radio Co. 195,118; Aug. 12.
Radio receiving sets and parts thereof. Broadcast Manufacturers, Inc. 196,420; Aug. 12.
Radio receiving sets and parts thereof. Cutting & Washington Radio Corporation. 194,982; Aug. 12.
Radio receiving sets and parts thereof. Danziger-Jones, Inc. 196,441; Aug. 12.
Radio receiving sets and parts thereof. Pathe Phonograph and Radio Corporation. 195,981–2; Aug. 12.
Radio receiving sets and parts thereof. Tri-City Radio Electric Supply Co. 193,556–7; Aug. 12.
Radio sets, radio receiving sets, loud speakers, etc. Walter Lytton, Inc. 193,527; Aug. 12.
Radio transmitting and receiving sets, Assembled. Aeolian Company. 196,125; Aug. 12.
Train-control systems, Electrical apparatus for use in. Regan Safety Devices Company. 180,618; Aug. 12.
Wireless and radio telegraphy and telephony apparatus, etc. United Electric Stores Company of New Jersey. 187,551; Aug. 12.

CLASS 23.

Bearings. J. E. London & Company. 197,822; Aug. 12.
Guns, Pressure grease. Gibb & Brown, Inc. 180,698; Aug. 12.
Lathes, drills, millers, and grinders. Watson Manufacturing Co. 191,110; Aug. 12.
Lubricator cups and devices. Pioneer Lubricator Corporation. 197,618; Aug. 12.
Pocketknife and comb, Combination. C. H. Sherman. 193,136; Aug. 12.
Screens, picking tables, cinder hoists, etc. Roberts and Schaefer Company. 197,296; Aug. 12.
Semaphores, Self-arighting traffic. Griswold Safety Signal Co. 195,636; Aug. 12.

CLASS 24.

Washing machines, Electric. Sunbeam Electric Manufacturing Co. 182,071; Aug. 12.

CLASS 27.

Clocks. William L. Gilbert Clock Company. 196,802; Aug. 12.
Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 197,074; Aug. 12.
Clocks and watches. Hamburg-Amerikanische Uhrenfabrik. 197,072; Aug. 12.
Watchcases. Liberty Watch Case Co. 196,917; Aug. 12.
Watch dials and watch movements. Good-Siegel, Inc. 196,057; Aug. 12.
Watches and watch movements. Adolphe Schwob, Inc. 196,827; Aug. 12.
Watches, clocks, etc. Hoffman Bros., Inc. 198,185; Aug. 12.

CLASS 28.

Jewelry and table and toilet ware. E. W. Reynolds Company. 192,793; Aug. 12.
Precious and semiprecious stones. N. D. Fitch. 197,268; Aug. 12.
Rings, Finger. Gilbert & Co. 198,344; Aug. 12.
Rings, Finger. Gilbert & Co. 198,354; Aug. 12.
Rings, Finger. Mulenka-Sagar Co. 195,297; Aug. 12.
Rings, Wedding and other finger. Powers & Mayer Manufacturing Corporation. 198,420; Aug. 12.
Swivels, fobs, ornamental hairpins, etc. J. M. Fisher Co. 161,830; Aug. 12.
Thread for stringing pearls and other beads. Posner & Pesselnik. 194,736; Aug. 12.

CLASS 31.

Refrigeration apparatus, Automatic. I. L. Keith. 198,310; Aug. 12.
Refrigera ors. Modern Refrigerator Company. 198,663; Aug. 12.

CLASS 32.

Beds. Wheeler-Okell Company. 198,922; Aug. 12.
Beds, dressers, chiffonettes, etc. American Furniture Company. 181,000; Aug. 12.
Beds, Folding. American Bed Company. 195,731; Aug. 12.
Buffets, hanging mirrors, cupboards, etc. Batesville Cabinet Company. 181,001; Aug. 12.
Cabinets, Filing. McBee Binder Company. 179,809; Aug. 12.
Desks, tables, cabinets, used in the operation of radio apparatus. Ernest J. Sullan Mfg. Co. 167,365; Aug. 12.
Furniture, household tables, office tables, chairs, etc. Murray Products Company. 191,905; Aug. 12.

CLASS 34.

Air conditioning, drying, and ventilating equipment. Carrier Engineering Corporation. 198,842; Aug. 12.
Lamps, Safety, carbide cap and carbide hand. Wolf Safety Lamp Co. of America, Inc. 199,411; Aug. 12.
Radiators or heaters, Tubular. Carrier Coustruction Company. 198,398; Aug. 12.
Ranges, Fireless-cooker attachments for cooking. Chambers Manufacturing Company. 193,271; Aug. 12.
Stoves and ranges, Gas. Geo. D. Roper Corporation. 185,231; Aug. 12.

CLASS 35.

Belting. Allied Belting Company. 198,103; Aug. 12.
Brake linings and clutch facings. P-D Auto Parts, Inc. 190,087; Aug. 12.
Tires and inner tubes. Mohawk Rubber Company. 198,876–7; Aug. 12.

CLASS 36.

Accordions. H. Verwer. 196,416; Aug. 12.
Banjos, guitars, mandolins, etc. Henry Stadlmair Co. 196,408; Aug. 12.
Banjos, guitars, ukuleles, etc. Henry Stadlmair Co. 196,407; Aug. 12.
Banjos, guitars, ukuleles, etc. Henry Stadlmair Co. 196,550; Aug. 12.
Calliopes. N. G. Baker. 191,859; Aug. 12.
Musical instruments. E. Herrmann. 188,754; Aug. 12.
Phonograph records. Cameo Record Corporation. 195,736; Aug. 12.
Phonographs and phonograph-record-holding albums. Pierson Company. 192,084; Aug. 12.
Phonographs and tone chambers. Songster Phonograph Company. 194,574; Aug. 12.
Saxophoné and cornet reeds. Simson & Frey, Inc. 198,260; Aug. 12.

CLASS 37.

Crayons, Pastel. American Crayon Company. 198,500; Aug. 12.
Crayons, Pressed. American Crayon Company. 198,497; Aug. 12.
Crayons, water colors. American Crayon Company. 198,499; Aug. 12.
Crayons, Wax. American Crayon Company. 198,498; Aug. 12.
Paper, Wrapping. Orono Pulp & Paper Company. 195,122; Aug. 12.
Papeteries, writing tablets, and envelopes. United Drug Company. 186,813; Aug. 12.
Pens and pencils, Combination fountain. Pen-O-Pencil Company. 175,268; Aug. 12.

CLASS 38.

Magazine. Albert Publishing Co. 195,729; Aug. 12.
Magazines, Monthly. Masonic Service Association of the United States. 196,819; Aug. 12.
Newspaper feature. N. H. Simes. 190,815; Aug. 12.
Publication, Title of a periodical. Tilghman Moyer Company. 198,388; Aug. 12.
Publications. New England Electric Specialty Co. 197,674–5; Aug. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 39.

Abdominal bands. Bromley Shepard Co. 194,848; Aug. 12.
Clothing, Men's. G. A. White. 195,250; Aug. 12.
Gloves. Wimelbacher & Rice. 196,724; Aug. 12.
Gowns and suits, laboratory, visitors', and patients gowns, etc., Operating. P. Tames. 193,686; Aug. 12.
Hat pads. Crescent Bandeau Incorporated. 195,052; Aug. 12.
Hats. A. S. Davenport. 196,886; Aug. 12.
Hats and caps. Waring Hat Manufacturing Corporation. 159,393; Aug. 12.
Hats, Children's. Turchin Bros. 158,341; Aug. 12.
Rompers, creepers, union suits, etc., Children's. Kiddie Togs Company. 156,580; Aug. 12.
Shirts. Paul Mandel & Bro. 197,335; Aug. 12.
Shirts, Dress. Enro Shirt Co. 198,000; Aug. 12.
Shirts, Men's negligee and work. Famous Clothing Co. 180,058; Aug. 12.
Shoes. D. Mussoff. 197,106; Aug. 12.
Shoes. Temko-Bass Shoe Co. 194,753; Aug. 12.
Shoes. Walker Shoe Company. 197,787; Aug. 12.
Shoes. Wizard Lightfoot Appliance Company. 197,313; Aug. 12.
Shoes and slippers. Johnstown Woolshoe Co. 195,579; Aug. 12.
Suits, hats and caps, etc., Boys'. R. H. White Company. 197,404; Aug. 12.
Trousers. D. Maiman. 174,210; Aug. 12.
Underwear, bath suits, sport coats, etc. H. Loeb & Co. 195,702; Aug. 12.

CLASS 40.

Barrettes and combs. Pacific Novelty Company. 196,671; Aug. 12.
Braids and narrow elastic webbings. A. J. Hague & Co. 197,431; Aug. 12.
Combs. Superior Novelty Mfg. Co. 196,204; Aug. 12.
Elastics. M. H. Blow. 197,411; Aug. 12.
Shoulder strap for ladies' underwear. A. W. Geigerman. 198,798; Aug. 12.

CLASS 42.

Cotton piece goods. E. V. Benjamin Co. 199,457-60; Aug. 12.
Cotton piece goods. Henry Glass & Co. 197,024; Aug. 12.
Cotton piece goods. Klauber Bros. & Co. 196,665; Aug. 12.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 199,142; Aug. 12.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 199,145; Aug. 12.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 199,209-11; Aug. 12.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 199,213; Aug. 12.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.). 199,216; Aug. 12.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 199,106; Aug. 12.
Linen, linen towels, and toweling, Table. James A. Hearn & Son Inc. 195,289; Aug. 12.
Piece goods. Glenbrook Worsted Mills. 198,942; Aug. 12.
Rugs. Marietta Knitting Company. 199,012; Aug. 12.
Silk piece goods. Duplan Silk Corporation. 198,849-50; Aug. 12.
Silk [illegible], etc., piece goods. Haas Brothers Fabrics Corporation. 198,861; Aug. 12.
Woolen piece goods. Bilhuber-Wawak Company. 199,033-4; Aug. 12.
Woolen piece goods. Bilhuber-Wawak Company. 199,340; Aug. 12.

CLASS 43.

Threads and yarns. Mutual Thread Company. 199,364; Aug. 12.

CLASS 45.

Beverages and sirups for making the same. Taylor Beverage & Candy Co. 198,891; Aug. 12.
Beverages, Powder for making chocolate malted-milk. Consumers Malted Milk Co. 194,977; Aug. 12.
Bird food. Philadelphia Seed Company. 199,243; Aug. 12.
Biscuits. Loose-Wiles Biscuit Company. 199,364; Aug. 12.
Bread. P. M. Dorsch. 198,060; Aug. 12.
Bread. E. Kuzlak. 193,714; Aug. 12.
Bread. Swedish Produce Co. 198,890; Aug. 12.
Bread. Ward Bros. Co. 178,153; Aug. 12.
Buttermilk powder. Dry Buttermilk Company. 198,792; Aug. 12.
Cake mix. Hirsch Brothers Co. 199,003; Aug. 12.
Cakes, candy, chocolate, and pastry. Oskar Pischinger, Inc. 197,448; Aug. 12.
Candy. Brown & Haley. 193,500; Aug. 12.
Candy. Bunte Brothers. 199,038; Aug. 12.
Candy. Rowntree and Company Limited. 196,317; Aug. 12.
Candy, cakes, icing, etc. Henry H. Ottens Mfg. Co. 194,410; Aug. 12.
Candy lozenges. Maybreath Company. 195,064; Aug. 12.
Canned fruits and vegetables. Manteca Canning Company. 199,172-3; Aug. 12.
Canned fruits, vegetables, and fish, evaporated milk, etc. Carpenter Cook Company. 177,961; Aug. 12.
Canned olives and ten. Sam Seelig Co. 187,545; Aug. 12.
Canned vegetables, and fruits, jellies, etc. Wm. Montgomery & Co. 179,812; Aug. 12.
Chocolate. Joh. Gottl. Hauswaldt. 192,253; Aug. 12.
Codfish, Dried. Alberto Vales Company. 198,894; Aug. 12.
Coffee. J. Martinson. 199,175; Aug. 12.
Coffee, Green. Westfeldt Brothers. 198,897-901; Aug. 12.
Cooky cakes and crackers. Hekman Biscuit Company. 199,225; Aug. 12.
Corn and oats. Langenberg Grain Co. 197,379; Aug. 12.
Eggs. Geo. F. Wagner Co. 199,200; Aug. 12.
Eggs and poultry products. Atlantic Coast Poultry Producers Association. 184,578-9; Aug. 12.
Feed, Stock. Moorman Mfg. Co. 198,664; Aug. 12.
Feed, Stock, poultry, and chick. Ballard & Ballard Co. 178,890; Aug. 12.
Feeds, Stock. R. B. Buchanan. 185,281; Aug. 12.
Flavoring extracts, Food-. Hamilton Manufacturing Company. 198,635; Aug. 12.
Flour. Ballard & Ballard Co. 198,782; Aug. 12.
Flour. Butler County Milling Company. 195,487; Aug. 12.
Flour, Wheat. Plank Milling Co. 199,018; Aug. 12.
Flour, Wheat. Stanard Tilton Milling Company. 199,026; Aug. 12.
Flours and flavoring extracts, powders, and pastes, Prepared. R. C. Eaton. 173,883; Aug. 12.
Food product. Smith, Provost and Smith. 199,329; Aug. 12.
Food product, Liquid. I. E. Emerson. 196,379; Aug. 12.
Fruit mixture, Preserved. Cleveland Fruit Juice Company. 186,774; Aug. 12.
Meal, grits, corn flour, and pearl hominy, Cream. Elevator Milling Co. 194,854; Aug. 12.
Meat baked in dough, Potato Dog Corporation. 199,127; Aug. 12.
Milk, Malted. Grob Food Products Co. 198,406; Aug. 12.
Oatmeal and cereal preparation, full-cream dried milk, etc. Montgomerie and Company Limited. 192,851; Aug. 12.
Oil, Olive. J. C. Francesconi & Co. 197,741; Aug. 12.
Oil, Olive. Standard Olive Oil Company. 197,843; Aug. 12.
Oil, Salad. Aspegren & Co. 198,606; Aug. 12.
Oranges and lemons. Tapo Citrus Association. 199,097; Aug. 12.
Pork and pork products. H. H. Meyer Packing Company. 195,407; Aug. 12.
Sirup, Chocolate. T. T. Workman. 197,919; Aug. 12.

CLASS 50.

Bottles, Corks and caps for. Viscose Development Company. 199,268; Aug. 12.
Cotton impregnated with an adhesive and used for stays and other inside parts of boots and shoes, etc. Respro Inc. 162,200; Aug. 12.
Flycatchers. E. Cotte. 162,213; Aug. 12.
Leather, Manufactured or substitute. Respro Inc. 166,404; Aug. 12.
Mats, Cocoa. P. B. Paul. 198,323; Aug. 12.
Mother-of-pearl in bulk, Imitation. J. Paisseau. 193,619; Aug. 12.
Mounted specimens, taxidermists' supplies, etc. K. W. Kahmann. 198,643; Aug. 12.
Slate substitutes. Diamond State Fibre Company. 198,402; Aug. 12.
Tents and tarpaulins. Crawford-Austin Manufacturing Co. 198,125; Aug. 12.
Tents, Folding. Playtime Manufacturing Company. 198,473; Aug. 12.
Transparent or translucent elastic body or film. Cello Products Incorporated. 198,453; Aug. 12.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acme Card System Company. (See Powell, Frank D., assignor.)
Adams, Arthur H., Galion, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Producing a balanced telephone exchange. 1,504,301; Aug. 12.
Adams, George C., assignor of one-fourth to J. M. Purcell and one-fourth to R. A. Moore, Mechanicville, N. Y. Brick machine. 1,504,302; Aug. 12.
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Method of and means for reducing static disturbances. 1,504,303; Aug. 12.
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Multiplex transmission channel. 1,504,535; Aug. 12.
Agar, Thomas K., Sheffield, Mass. Ice harvester. 1,504,594 Aug. 12.
Albert, Walter P., East Orange, N. J., and W. W. Carpenter, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,304; Aug. 12.
Album, Adolph Y. S., Maywood, Ill. Bottle stopper. 1,504,664; Aug. 12.
Alig, Clarence S., Indianapolis, Ind. Combination warm-air furnace and kitchen range. 1,504,305; Aug. 12.
Allan, Hugh R., and J. Moore, Burmah, British India, assignors to The Burmah Oil Company Limited, Glasgow, Scotland. Apparatus for sweating or crystallizing paraffin or other wax. 1,504,923; Aug. 12.
Allatt, Thomas, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co., Inc., New York, N. Y. Tag. 1,504,804; Aug. 12.
Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-sewing machine. 1,504,306; Aug. 12.
Allis-Chalmers Manufacturing Company. (See Borchard, Robert W., assignor.)
Allis-Chalmers Manufacturing Company. (See Brown, Edwin H., assignor.)
Allis-Chalmers Manufacturing Company. (See Brown, J. W., and Nicht, assignors.)
Allis-Chalmers Manufacturing Company. (See De Wein, George F., assignor.)
Allis-Chalmers Manufacturing Company. (See Lieber, William H., assignor.)
Allis-Chalmers Manufacturing Company. (See Nagler, Forrest, assignor.)
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Allis-Chalmers Manufacturing Company. (See Paatsch, Fred C., assignor.)
Allis-Chalmers Manufacturing Company. (See Patitz, Johann F. M., assignor.)
Allis-Chalmers Manufacturing Company. (See Roberts, James F., assignor.)
Allis-Chalmers Manufacturing Company. (See Sams, Fred V., assignor.)
Allis-Chalmers Manufacturing Company. (See Search, Charles E., assignor.)
Allis-Chalmers Manufacturing Company. (See Wilson, James, assignor.)
American Brake Company, The. (See Redford, John E., assignor.)
American Can Company. (See Jones, Harry W., assignor.)
American Fabrics Company, The. (See Barnum, Harry B., assignor.)
American Flange Frog and Railway Improvement Company. (See Einstein, Robert E., assignor.)
American Lithographic Company. (See Dietsche, Adolph, jr., assignor.)
American Metal Company, The. (See Colbert, Clarence L., assignor.)
American Moistening Company. (See Comins, F. B., and Armstrong, assignors.)
American Seating Company. (See Hamilton, G. H., and Blakslee, assignors.)
American Smelting and Refining Company. (See Lamb, James G., assignor.
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
American Zeolite Corporation. (See Edelstein, Oscar, assignor.)
Anchor Corrugating Construction Co. (See Braunstein, Achille, assignor.)
Anderson, Carl E., Maywood, Ill. Expansion valve for refrigerating systems. 1,504,411; Aug. 12.
Anderson, Carl T., Elmhurst, assignor to Webster Mfg. Company, Chicago, Ill. Crushing machine. 1,504,412; Aug. 12.
Anderson, Edward V., Monessen, assignor of one-half to C. E. Golden, Crafton, Pa. Automatic controlling valve for tanks. 1,504,201; Aug. 12.
Anderson, George A., assignor of one-eighth to W. M. Mercer, one-eighth to R. T. Taper, and one-eighth to V. H. Waggoner, Santa Rita, N. Mex. Air brake. 1,504,536; Aug. 12.
Anderson, Gilbert V., assignor to W. F. Fischer, Philadelphia, Pa. Machine for forming grooves. 1,504,307; Aug. 12.
Anderson, Nils H., Bridgeport, Conn., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Dial scale. 1,504,202; Aug. 12.
Anderson, Nils H., Trumbull, Conn., assignor to The E. & T. Fairbanks & Company, St. Johnsbury, Vt. Scale loop. 1,504,203; Aug. 12.
Anderson, Robert, Brooks, Alberta, Canada, assignor of one-half to P. MacGregor, Detroit, Mich. Boiler. 1,504,924; Aug. 12.
Andis, Matthew, Racine, Wis. Electrically-operated hair clipper. 1,504,595; Aug. 12.
Andrick, Wallace P., Hohokus, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching circuit for radio and similar systems. 1,504,204; Aug. 12.
Angier, Edward H., and W. M. Wheildon, Framingham, Mass.; said Wheildon assignor to said Angier. Package. 1,504,733; Aug. 12.
Antonio, Paul, New York, N. Y. Drawer. 1,504,925; Aug. 12.
Archer, Charles E., Sumter, S. C. Brake. 1,504,308; Aug. 12.
Ardin, Lucien. (See Sauvé, L., and Ardin.)
Armature Rewinding Company. (See McCord, Claude M., assignor.)
Armstrong, Joseph. (See Comins, F. B., and Armstrong.)
Armstrong, Stanley E., and E. J. Goyette, Oakland, Calif. Thrust bearing. 1,504,309; Aug. 12.
Arnold, Harold D., Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, Power-limiting amplifying device. 1,504,537; Aug. 12.
Arveskaug, Hjalmar, Fessenden, N. Dak. Sash fastener. 1,504,205; Aug. 12.
Atwell, Lester H., De Funiak Springs, Fla. Advertising device. 1,504,413; Aug. 12.
Auto Strop Co. (See Schumacher, Conrad, assignor.)
Automatic Electric Company. (See Richardson, Rodney G., assignor.)
Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
Babbitt, John F. (See Pilcher, J. V., and Babbitt.)
Babcock Printing Press Manufacturing Company, The. (See Stonemetz, John H., assignor.)
Backus, John C., assignor to Backus Novelty Company, Smethport, Pa. Ash tray. 1,504,310; Aug. 12.
Backus Novelty Company. (See Backus, John C., assignor.)
Badische Anilin- & Soda-Fabrik. (See Jannek, Josef, assignor.)
Bailey, Charles F., Los Angeles, Calif. Electric safety razor. 1,504,311; Aug. 12.
Bailey Fitwell Company, The. (See Sandusky, Earl, assignor.)
Bailey, William J. (See Gwathney, A., and Bailey.)
Baisch, Carroll, Lincoln, Nebr. Rotary internal-combustion engine. 1,504,926; Aug 12.
Baker, David S., Greenwich, Conn., assignor to National Evaporator Corporation, Providence, R. I. Drier. 1,504,854; Aug. 12.
Baker, Edwin M., Ann Arbor, assignor to C. Girl, Kalamazoo, Mich. Process of and means for nickel plating. 1,504,206; Aug. 12.
Baker, Edwin M., Ann Arbor, assignor to C. Girl, Kalamazoo, Mich. Determining boric acid in nickel-containing solutions. 1,504,207; Aug. 12.
Baker, William A., and F. A. Ramler, Toledo, Ohio. Smoke consumer. 1,504,414; Aug. 12.

Baldwin, Eugene N., Donora, Pa. Secondary storage battery. 1,504,312; Aug. 12.
Banks, Robert M. (See De Fabio, J., and Banks.)
Barns, William F., Ipoh, Perak, Federated Malay States. Resilient-road surface, flooring, and the like. 1,504,313; Aug. 12.
Barnum, Harry B., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 65,392; Aug. 12.
Baron Van Haersolte Van Haerst, Johan C. (See Elby, Walther, assignor.)
Barrett, Arthur M., Winnetka, and F. L. Eldmann, Chicago, Ill.; assignors to said Arthur M. Barrett. Portable elevator. 1,504,415; Aug. 12.
Barthel, Oliver E., Detroit, Mich. Piston. 1,504,538; Aug. 12.
Bastian, Arthur J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear wheel. 1,504,596; Aug. 12.
Baude, Joseph R., Chicago, Ill. Emergency chain for nonskid tire chains. 1,504,416; Aug. 12.
Bauersfeld, Walther, assignor to the Firm of Carl Zeiss, Jena, Germany. Exposure cinematograph. 1,504,314; Aug. 12.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Feeding mechanism for confectionery machines. 1,504,666; Aug. 12.
Baust, George H., Omaha, Nebr. Sanitary kit for butchers' knives. 1,504,927; Aug. 12.
Bayron, Louis M., New York, N. Y. Combination toilet set. 1,504,597; Aug. 12.
Beacon Mfg. & Sales Co. (See Lush, Charles H., assignor.)
Beare, R. L. (See Smith, William A., assignor.)
Beatty, William G., Fergus, Ontario, Canada. Wringer. 1,504,315; Aug. 12.
Beauchamp, Hedley, Johannesburg, Transvaal, South Africa. Door latch. 1,504,316; Aug. 12.
Beavers, Patrick D., Washington, D. C. Rope and wire reel apparatus. 1,504,417; Aug. 12.
Becker, Fritz, Long Island City, N. Y., assignor to National Labeling Machine Company. Labeling machine. 1,504,855; Aug. 12.
Becker, Fritz, Long Island City, N. Y., assignor to National Labeling Machine Company. Labeling machine. 1,504,856; Aug. 12.
Beebe, Lucian H., New London, Conn. Variable-speed transmission. 1,504,857; Aug. 12.
Bell, Marcus D., West Tulsa, Okla. Piston ring. 1,504,418; Aug. 12.
Bennett, Overton M., Lenoxville, Pa. Chicken feeder. 1,504,667; Aug. 12.
Bentley, John B., Jamestown, N. Y. Shuttle for bobbins. 1,504,668; Aug. 12.
Benton, Jacob B., McLean, Tex., assignor to The Continental Tool and Manufacturing Company, Chickasha, Okla. Cattle poke. 1,504,317; Aug. 12.
Benton & Stone Limited. (See Milner, Charles E., assignor.)
Bergen, Harry S., assignor to Toledo Scale Company, Toledo, Ohio. Marking machine. 1,504,598; Aug. 12.
Bergeon, Paul, Grenoble, France. Electrically-heated boiler. 1,504,928; Aug. 12.
Berglund, Emanuel, San Francisco, assignor to General Supply Company, Los Angeles, Calif. Joint construction. 1,504,318; Aug. 12.
Berkley, Richard H., assignor, by mesne assignments, to Whiting & Davis Company, Plainville, Mass. Mesh-measuring machine. 1,504,419; Aug. 12.
Bertóni, Charles, et al. (See Taragnoli, Elvezio, assignor.)
Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Testing apparatus. 1,504,319; Aug. 12.
Billings, Frank. (See Greenleaf, Robert P., assignor.)
Binkley, Edward L., Omaha, Nebr. Bench plate. 1,504,420; Aug. 12.
Bischoff, Alphonse, Los Angeles, Calif. Vigorometer. 1,504,929; Aug. 12.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Tray for phonograph records, etc. 1,504,421; Aug. 12.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Molding die. 1,504,422; Aug. 12.
Bishop, Newton J., St. Louis, Mo. Carpet beater. 1,504,320; Aug. 12.
Bjornstad, Alfred W., St. Paul, Minn. Relief map. 1,504,321; Aug. 12.
Blackledge, Herbert H. (See McNeill, W. G., and Blackledge.)
Black Rock Mfg. Co., The. (See Nicholas, William, assignor.)
Blackwood, John A. P., New York, N. Y. Automatic match and toothpick box. 1,504,599; Aug. 12.
Blaksiee, Fred J. (See Hamilton, G. H., and Blaksiee.)
Blanchard, Claude G., Erie, Pa. Automatic screw machine. 1,504,930; Aug. 12.
Blaszczyk, Victor, New Rome, Wis. Engine repair stand. 1,504,031; Aug. 12.
Blumenfeld, Joseph, London, England. Titanium compound. 1,504,669; Aug. 12.
Blumenfeld, Joseph, London, England. Titanium compound. 1,504,670; Aug. 12.
Blumenfeld, Joseph, London, England. Titanium compound. 1,504,671; Aug. 12.
Blumenfeld, Joseph, London England. Preparation of titanium hydroxide. 1,504,672; Aug. 12.
Blumenfeld, Joseph, London, England. Titanium pigment. 1,504,673; Aug. 12.
Boa, Robert G. C., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,504,858; Aug. 12.
Bober, Charles, assignor of one-half to T. Kobylnos, New Britain, Conn. Auto hood lock. 1,504,539; Aug. 12.
Bober, Charles A., assignor of one-half to T. Kobylaz, New Britain, Conn. Clamp-lock combination for auto hoods. 1,504,540; Aug. 12.
Bochmer, Matthew H., Philadelphia, Pa. Operating gown. 1,504,932; Aug. 12.
Boneberg, Harold J., Buffalo, N. Y. Lubricating apparatus. 1,504,423; Aug. 12.
Bonhôte, Gérald. (See De Montmollin, G., and Bonhôte.)
Borchard, Robert W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Field pole construction. 1,504,734; Aug. 12.
Borsodi, Morris, New York, N. Y. Composite structure. 1,504,805; Aug. 12.
Boyd, Claude L. (See Rayburn, James E., assignor.)
Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Means for protecting wireless outfits from static disturbances. 1,504,600; Aug. 12.
Brady, William P., New Britain, Conn. Adjustable secondary rack. 1,504,859; Aug. 12.
Brandt, Edward J., Watertown, Wis. Resilient wheel. 1,504,806; Aug. 12.
Braunstein, Achille, assignor to Anchor Corrugating Construction Co., New York, N. Y. Display cabinet. 1,504,933; Aug. 12.
Brechak, Anna, Dayton, Ohio. Barrel closure. 1,504,735; Aug. 12.
Brine, Percival F., Boston, Mass., assignor to Oil Wells Renewal Company, Chicago, Ill. Electrical heater for oil wells. 1,504,208; Aug. 12.
Brink, Carl A., Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee. Tension device. 1,504,674; Aug. 12.
Bristol, Roy J. (See Tull, W. C., and Bristol.)
Brkich, Pero S., assignor of one-half to G. Seper, St. Louis, Mo. Tie and rail construction. 1,504,425; Aug. 12.
Broadbridge, Walter, E. Edser, and W. W. Stenning, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Production of briquettes. 1,504,860; Aug. 12.
Broadbridge, Walter, E. Edser, and W. W. Stenning, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Production of briquettes. 1,504,861; Aug. 12.
Brooks, Herbert C., London, England. Fountain gumming machine. 1,504,862; Aug. 12.
Brosnan, Edward J., Canajoharie, N. Y. Mounting for commutator rollers. 1,504,601; Aug. 12.
Brotherton, Herbert, jr., and H. S. Nettleton, Tacoma, Wash. Bedstead construction. 1,504,807; Aug. 12.
Brown, Allen W., St. Louis, Mo., assignor of one-half to F. E. McMillin, Chevy Chase, Md. Lawn mower. 1,504,863; Aug. 12.
Brown, Charles R., Brea, Calif. Method and apparatus for handling well casings. 1,504,424; Aug. 12.
Brown, Edwin H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Means for protecting turbine surfaces. 1,504,736; Aug. 12.
Brown, Edwin H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,504,737; Aug. 12.
Brown, Edwin H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. 1,504,738; Aug. 12.
Brown, John W., West Allis, and A. J. Nicht, jr., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Elevator brake. 1,504,739; Aug. 12.
Brown, Louis C. (See Taylor, H. O., and Brown.)
Brown, Thomas J. W., Washington, D. C. Support for golf-course markers. 1,504,934; Aug. 12.
Brown, William N., Tilden, Ill. Miner's tool. 1,504,808; Aug. 12.
Bruce, William M., jr., Springfield, Ohio. Wireless telegraphy. 1,504,426; Aug. 12.
Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
Brunswick-Balke-Collender Company, The. (See Whelan, Michael J., assignor.)
Brush, Alanson P., Detroit, Mich. Internal-combustion engine. 1,504,322; Aug. 12.
Brnzga, William C., Norwood, Mass. Tobacco-user's appliance. 1,504,675; Aug. 12.
Buchalter, Louis, New York, N. Y. Combined coat and muffler. 1,504,935; Aug. 12.
Buckeye Steel Castings Company, The. (See Larsen, Jacob C., assignor.)
Buckle, Horace L. T., Ylewsley, England. Disk talking machine. 1,505,073; Aug. 12.
Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)
Buelna, Guadalupe, and H. E. J. Vacher, Santa Barbara, Calif. Nozzle. 1,504,864; Aug. 12.

Bugbee, Lucian W., Indianapolis, Ind. Pencil and making the same. 1,504,209; Aug. 12.
Bullard, Albert M. (See McQuarrie, J. L., and Bullard.)
Burchell, Theophilus T., Manchester, Ky. Transmission-gear mechanism. 1,504,936; Aug. 12.
Burgess, Robert, Newton Center, assignor of one-half to J. H. Jones, Winthrop, Mass. Bobbin. 1,504,809; Aug. 12.
Burlin, Leslie H., Chicago, Ill. Bracket for lamp and like stands. Des. 65,393; Aug. 12.
Burmah Oil Company Limited, The. (See Allan, H. L., and Moore, assignors.)
Burnett, William J., Thomasville, Ga. Plow. 1,504,937; Aug. 12.
Burnham, Leland F., Wilkinsburg, Pa., assignor to R. D. Nuttall Company. Trolley base. 1,504,602; Aug. 12.
Burnheimer, Aaron J., Kinmel, Ind. Onion weeder. 1,504,938; Aug. 12.
Bush, Carl, Hollywood, Calif., assignor of one-half to B. R. Skinner, Seattle, Wash. Liquid-fuel burner. 1,504,323; Aug. 12.
Bush, George G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Driving and braking mechanism. 1,504,210; Aug. 12.
Butler, Morgan R., Waukesha, Wis. Material-handling equipment. 1,504,211; Aug. 12.
Butler, Robert S., Joplin, Mo. Mine shovel. 1,504,427; Aug. 12.
Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Feeding mechanism for paper machines. 1,504,541; Aug. 12.
Butts, Emil F., assignor of one-half to E. Gregory, Tacoma, Wash. Scroll-sanding machine. 1,504,865; Aug. 12.
Byers, Oren G., Tulsa, Okla. Flue stopper. 1,504,428; Aug. 12.
Byron, Thomas F., Chicago, Ill. Curtain rod. 1,504,810; Aug. 12.
C. G. Spring & Bumper Company, The. (See Flum, R. A. and Reed, assignors.)
C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Garter. 1,504,866; Aug. 12.
Cahouet, Ralph H., trustee. (See McTarnahan, John T., assignor.)
Caldwell, Edwin de H., Fredonia, N. Y., assignor, by mesne assignments, to Empire Milking Machine Company, Bloomfield, N. J. Milking-machine pulsator. 1,504,740; Aug. 12.
California Packing Corporation. (See Opperman, Hugh F., assignor.)
Cannon, Edsen L., Cleveland Heights, assignor to The Erie Manufacturing Company, Cleveland, Ohio. Paint mixer. 1,504,867; Aug. 12.
Carbo-Oxygen Company. (See Harris, John, assignor.)
Cardwell, George A., New York, N. Y., assignor to National Electric Distributor Corporation. Electric distributing system. 1,504,542; Aug. 12.
Carlson, Charles O., Providence, R. I. Spectacle-hinge construction. 1,504,212; Aug. 12.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Air exhauster for dry-pipe systems. 1,504,811; Aug. 12.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Bolster casing. 1,504,812; Aug. 12.
Carlson, Wendell L. (See Carpenter, G. W., and Carlson.)
Carmier, Pierre R. L. A., Paris, France. Automatic firing gear for airplanes and airships. 1,504,676; Aug. 12.
Carmony, David E., Manilla, Ind. Winding-reel attachment for tractors. 1,504,939; Aug. 12.
Carpenter, Glenn W., and W. L. Carlson, Washington, D. C. Telephone-receiver circuits. 1,504,940; Aug. 12.
Carpenter, Warren W. (See Albert, W. P., and Carpenter.)
Carrington, John W., Cincinnati, Ohio. Cleaning device for automobiles. 1,504,868; Aug. 12.
Carson, Amon H., assignor to The Valveless Lubricator Co., Fort Worth, Tex. Valveless lubricator. 1,504,429; Aug. 12.
Carter, Charles R., St. Louis, Mo. Metal bar. 1,504,677; Aug. 12.
Catholic Students' Mission Crusade, The. (See La Rose, P. D., assignor.)
Central Scientific Company. (See Klopsteg, Paul E., assignor.)
Chadwick, George, New York, N. Y. Decalcomania-transferring machine. 1,504,545; Aug. 12.
Chadwick, Everett D., Winchester, Mass. Recorder for watchmen and the like. 1,504,213; Aug. 12.
Chain Belt Company. (See Roddy, Gustav R., assignor.)
Chase, George C., South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Counting-wheel carry mechanism. 1,504,741; Aug. 12.
Christiansen, Hazelle R., Rockford, Ill. Pencil. 1,504,742; Aug. 12.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signal light. 1,504,603; Aug. 12.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,504,604; Aug. 12.
Church, N. W. (See Oslock, Albert M., assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Cipriano, Gondolfo, New York, N. Y. Steering-wheel lock. 1,504,214 Aug. 12.
Citizens of the United States of America. (See Taylor, George F.)
Clark, Emma E., Hammond, Ind. Mail catcher. 1,504,430; Aug. 12.
Clark, Walter. (See Ormerod, Thomas J., assignor.)
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, assignors to Western Electric Company, Inc., New York, N. Y. Telephone-exchange system. 1,504,215; Aug. 12.
Clausen, William H., Melrose, Mass. Game apparatus. 1,504,605; Aug. 12.
Cochrane, H. S. B. W., Corporation. (See Gibson, George H., assignor.)
Cohen, Henry. (See Wagner, W. G., and Cohen.)
Cohen, Louis. (See Mauborgne, J. O., and Cohen.)
Colbert, Clarence L., Elizabeth, N. J., assignor to The American Metal Company, Ltd., New York, N. Y. Method and apparatus for agglomerating materials. 1,504,324; Aug. 12.
Coleman, John P., and P. Utne, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Grade-crossing signal. 1,504,606; Aug. 12.
Coleman, William C., Wichita, Kans. Preheater for gasoline stoves. 1,504,743; Aug. 12.
Collins, Cornelius, Los Angeles, Calif. Metal studding and making same. 1,504,325; Aug. 12.
Collins, Herbert W., Grand Forks, British Columbia, Canada. Burial vault. 1,505,006; Aug. 12.
Collver, William A., Marshfield, Oreg. Heating system. 1,504,941; Aug. 12.
Colucci, Daniel M. (See Di Pietro, C., and Colucci.)
Comegys, Thomas M., Shreveport, La. Orthodontic appliance. 1,504,942; Aug. 12.
Comer, Guy W., Chicago, Ill. Electric lamp. 1,504,869; Aug. 12.
Comins, Frank B., Newton, and J. Armstrong, Malden, assignors to American Moistening Company, Boston, Mass. Humidifier. 1,504,431; Aug. 12.
Complex Ores Recoveries Company, The. (See Coolbaugh, M. F., and Read, assignors.)
Conger, Robert W., Bristow, Okla. Sanitary toothbrush. 1,504,943; Aug. 12.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box front. Des. 65,394; Aug. 12.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box front. Des. 65,395; Aug. 12.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Box front. Des. 65,396; Aug. 12.
Consolidated Car-Heating Company. (See Griffin, Percy M., assignor.)
Continental Tool and Manufacturing Company, The. (See Benton, Jacob B., assignor.)
Cook, Roy J., assignor to Keyoke Railway Equipment Company, Chicago, Ill. Draft-gear yoke. 1,504,432; Aug. 12.
Cook, Sheldon E., Lincoln, Nebr. Electrical water heater. 1,504,944; Aug. 12.
Cook, Stanley S. (See Parsons, C. A., and Cook.)
Coolbaugh, Melville F., and J. B. Read, Golden, assignors to The Complex Ores Recoveries Company, Denver, Colo. Producing sulphuric anhydride and sulphuric acid. 1,504,813; Aug. 12.
Cornblum, Solomon, assignor of one-half to W. N. Goldwater, Rochester, N. Y. Garment pocket. 1,504,607; Aug. 12.
Corning Glass Works. (See Pascucci, Emilio, assignor.)
Corswandt, Moritz F., Chicago, Ill. Needle silencer for talking machines. 1,504,433; Aug. 12.
Coryell, Charles N., Mamaroneck, N. Y. Lipstick container. 1,504,216; Aug. 12.
Coryell, Charles N., Mamaroneck, N. Y. Lipstick container. 1,504,217; Aug. 12.
Cossitt, Malcolm L., Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding attachment for typewriters. 1,504,434; Aug. 12.
Costanzo, Tony. (See Rufferrn, Clarence L., assignor.)
Coughlin, John P., Chicago, Ill. Wrench. 1,504,870; Aug. 12.
Covington, Clarence L., Brookline, Mass. Gravity ball-testing apparatus. 1,504,871; Aug. 12.
Cowin, Stuart H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,504,608; Aug. 12.
Cox, Clarence E., Warren, Ohio, and O. E. Jones, Franklin, Pa. Well-pulling apparatus. 1,505,007; Aug. 12.
Cox, Ray B., Berkeley, Calif. Hinge. 1,504,744; Aug. 12.
Cox, William G., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Faceplate for an automobile bumper. Des. 65,397; Aug. 12.
Crane, Samuel G., assignor to Toledo-Scale Company, Toledo, Ohio. Weighing scale. 1,504,609; Aug. 12.
Crespo, Ernesto L., Guatemala City, Guatemala. Honing and stropping device. 1,504,814; Aug. 12.
Crex Carpet Company. (See Waldo, Raymond, assignor.)
Crompton, Frank E., Brooklyn, N. Y., assignor to Signature Company, New York, N. Y. Binder board. 1,504,610; Aug. 12.
Cross, Mark, Company. (See Germann, George A., assignor.)

Crowell, Charles H., Brooklyn, N. Y. Process and machine for making cross-corrugated paperboard. 1,504,218; Aug. 12.
Croy, Sherman F., Long Beach, Calif. Traffic signal for motor vehicles. 1,504,815; Aug. 12.
Cryer, Albert A., assignor to D. G. C. Trap & Valve Co., Inc., New York, N. Y. Plug cock. 1,504,219; Aug. 12.
Cullinan, John J., Chicago, Ill. Golf club. 1,504,326; Aug. 12.
Cummings, Clifford L., St. Kilda, Melbourne, Victoria, Australia. Lintel and other structure of reenforced brickwork. 1,504,816; Aug. 12.
Curran, Michael, Danville, Pa. Wind and dust shield. 1,503,008; Aug. 12.
Currier, Hiram D., Chicago, and G. R. Eaton, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,504,435; Aug. 12.
Curtis, Will E., Evanston, Ill. Automatic cooking device. 1,504,546; Aug. 12.
Dalton Adding Machine Company. (See Landsiedel, Harry, assignor.)
Daughley, Dekran, Richmond, Va. Shaving gauge. 1,504,436; Aug. 12.
Davidson, Vanda A. (See Voss, John P., assignor.)
Dayton, Engineering Laboratories Company, The. (See Haas, Nelson R., assignor.)
Dayton-Wright Company. (See Wright, O., and Jacobs, assignors.)
De Borggrave, Felix, Chicago, Ill. Truck. 1,505,009; Aug. 12.
Deen, James H., New York, N. Y. Educational game. 1,505,010; Aug. 12.
Deerg & Company. (See Paul, William L., assignor.)
De Fabio, Joseph, and R. M. Banks, Bridgeport, Conn. Tire patch and pump. 1,504,745; Aug. 12.
Degen, Herman, Milwaukee, Wis. Means for locking automobiles. 1,504,220; Aug. 12.
De La Mare, Thomas, Tooele, Utah. Conduit mold. 1,505,004; Aug. 12.
De La Monte, Cascious H., assignor to International Motor Company, New York, N. Y. Railway motor car. 1,504,327; Aug. 12.
Delco-Light Company. (See Dickey, E., and Lee, assignors.)
De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Means for making printing plates. 1,504,872; Aug. 12.
De Montmollin, Guillaume, and G. Bonhôte, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs, making same, and their application. 1,504,437; Aug. 12.
Dempsey, William H., and O. J. Waggoner, Alton, Ill. Hose protector. 1,504,945; Aug. 12.
Dental Manufacturing Company. (See Phillips, Harry, assignor.)
Dery, Henry J., Sanborn, N. Dak. Adjustable seat arrangement for vehicle bodies. 1,505,011; Aug. 12.
Desmond, Bernard J. (See Wadge, T., and Desmond.)
De Wein, George F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,504,746; Aug. 12.
De Witt-La France Company. (See De Witt, William P., assignor.)
De Witt, William P., Somerville, assignor to De Witt-La France Company, Cambridge, Mass. Display cabinet for pens and pencils. 1,504,747; Aug. 12.
D. G. C. Trap & Valve Co. (See Cryer, Albert A., assignor.)
Dickey, Ernest, and R. L. Lee, assignors to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,504,678; Aug. 12.
Dietsche, Adolph, jr., assignor to American Lithographic Company, New York, N. Y. Display device. 1,504,873; Aug. 12.
Dietz, James J., South Jacksonville, Fla. Extensible bumper for vehicles. 1,504,679; Aug. 12.
Di Pietro, Cirillo, and D. M. Coincel, Waterbury, Conn. Signal for gasoline tanks. 1,504,874; Aug. 12.
Distefano, Gabriel, Brooklyn, N. Y. Hand bag. 1,505,012; Aug. 12.
Dixon, John J., Barrackville, W. Va. Scraper and tamping rod. 1,505,013; Aug. 12.
Doering, Charles, and H. H., Chicago, Ill. Butter working and print machine. 1,504,221; Aug. 12.
Doering, Henry H. (See Doering, Charles and H. H.)
Dolbear, Clinton E., assignor to Industrial Research Co., San Francisco, Calif. Separation of alkali-metal salts by aqueous solution of ammonia. 1,505,078; Aug. 12.
Door Control Company. (See Dorl, Walter P., assignor.)
Dorfman, Leo, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current transformer. 1,504,611; Aug. 12.
Dorl, Walter P., assignor to Door Control Company, Detroit, Mich. Door stop and door closer. 1,504,748; Aug. 12.
Dorman, George W., assignor to Sumner Iron Work, Everett, Wash. Power setworths for sawmill carriages. 1,505,005; Aug. 12.
Dorros, George, New York, N. Y. Decorated box. Des. 65,398; Aug. 12.
Dorros, George, New York, N. Y. Decorated box. Des. 65,399; Aug. 12.
Dorros, George, New York, N. Y. Decorated box. Des. 65,400; Aug. 12.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,504,463; Aug. 12.
Douglas, Harry A., Bronson, Mich. Making joints. 1,504,464; Aug. 12.
Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing multiple and phantom image effects in photography. 1,504,328; Aug. 12.
Douglass, Leon F., San Rafael, Calif. Polychrome screen for color photography and producing same. 1,504,465; Aug. 12.
Draper, Clare H., Hopedale, assignor to Hopedale manufacturing Company, Milford, Mass. Loom. 1,504,875; Aug. 12.
Draver, Emil R., Richmond, Ind., assignor to B. F. Gump Co., Chicago, Ill. Feeding agitator. 1,504,543; Aug. 12.
Duncan, Alexander G., deceased, by H. W. Duncan, administrator, assignor to H. W. Duncan, Cedar Rapids, Iowa. Combination garbage can. 1,505,014; Aug. 12.
Duncan, Harold W. (See Duncan, Alexander G., assignor.)
Duncan, Harold W., administrator. (See Duncan, Alexander G.)
Dunlap, James, jr., East Pittsburgh, Pa. Car step. 1,505,015; Aug. 12.
Dunn, J. A., et al. (See Skinner, Charles F., assignor.)
Dunn, Joseph F., New York, N. Y. Valve-operating device. 1,504,876; Aug. 12.
Durant Motors Incorporated. (See Martin, Clyde H., assignor.)
Durant Motors Incorporated. (See Rariolo, John B., assignor.)
Duro Pump & Manufacturing Company, The. (See Eisenhauer, Charles P., assignor.)
Dutcher, Frank, McKeesport, Pa. Railway signal torpedo. 1,504,877; Aug. 12.
Dutcher, Frank, McKeesport, Pa. Railway signal torpedo. 1,504,878; Aug. 12.
Dutcher, Frank, McKeesport, Pa. Railway signal torpedo. 1,504,879; Aug. 12.
Dutcher, Frank, McKeesport, Pa. Railway signal torpedo. 1,504,880; Aug. 12.
Dyer, Frank L., Montclair, N. J. Collapsible-box blank. 1,504,222; Aug. 12.
Eastman Kodak Company. (See Kroedel, Robert, assignor.)
Eastman Kodak Company. (See Leschbrandt, Elnar, assignor.)
Eastman Kodak Company. (See Robertson, J. A., and Kroedel, assignors.)
Eaton Axle and Spring Company, The. (See Cox, William G., assignor.)
Eaton, George R. (See Currier, H. D., and Eaton.)
Eckart, George F., Cincinnati, Ohio. Flexible coupling. 1,504,749; Aug. 12.
Edelstein, Oscar, Shelton, Conn., assignor to American Zeolite Corporation, Paterson, N. J. Apparatus for base-exchanging substances. 1,504,329; Aug. 12.
Edgerton, Israel V., Oak Park, Ill. Tail-light faceplate. Des. 65,401; Aug. 12.
Edser, Edwin. (See Broadbridge, W., Edser, and Stenning.)
Egerton, Henry C., Ridgewood, N. J. Molding hollow articles. 1,504,547; Aug. 12.
Eggart, Carl, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Shedding mechanism for looms. 1,504,881; Aug. 12.
Eggart, Carl, assignor to Societe Anonyme Adolphe Sauer, Arbon, Switzerland. Loom. 1,505,066; Aug. 12.
Ehrlich, Albert H., St. Joseph, Mo. Refrigerator display counter. 1,505,016; Aug. 12.
Eidmann, Frank L. (See Barrett, A. M., and Eidmann.)
Einstein, Robert E., assignor to American Flange Frog and Railway Improvement Company, St. Louis, Mo. Flange frog. 1,504,330; Aug. 12.
Einstein, Robert E., assignor to St. Louis Frog & Switch Company, St. Louis, Mo. Split switch. 1,504,331; Aug. 12.
Einstein, Robert E., assignor to American Flange Frog and Railway Improvement Company, St. Louis, Mo. Flange frog. 1,504,332; Aug. 12.
Eisenhauer, Charles P., assignor to The Duro Pump & Manufacturing Company, Dayton, Ohio. Short-circuiting device for motors. 1,504,438; Aug. 12.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for transmitting signals. 1,504,882; Aug. 12.
Elster, Julius J., Doyon, N. Dak. Accelerator control. 1,504,466; Aug. 12.
Empire Metal Cap Co. (See Merolle, Augustus L., assignor.)
Empire Milking Machine Company. (See Caldwell, Edwin de H., assignor.)
Empire Trust Company, trustee. (See Mann, James H., jr., assignor.)
Erie Manufacturing Company, The. (See Cannon, Edsen L., assignor.)
Fairbanks, E. and T., and Company, The. (See Anderson, Nils H., assignor.)
Fairbanks, E. and T., and Company. (See Taylor, William H., assignor.)
Farrar, John C. (See Laycock, W. A., Farrar, and Wolbert.)

Fazio, James, Venice, Calif. Dispensing display. 1,504,883; Aug. 12.
Fear, Ernest D., Kansas City, Mo. Scale. 1,504,333; Aug. 12.
Feaster, Edward B., Arlington, Mass. Peening apparatus. 1,504,612; Aug. 12.
Federal Rubber Company, The. (See Mather, George L., assignor.)
Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear-generating machine. 1,504,223; Aug. 12.
Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
Felters Company, The. (See Guillaume, Ernest M., assignor.)
Ferdon, William S., Brownlee, Nebr. Aircraft balancing system. 1,504,467; Aug. 12.
Ferguson, Arthur T., Salem, Mass. Automobile attachment for holding certificates or the like. 1,504,613; Aug. 12.
Ferguson, John E. (See Whitmore, J. B., and Ferguson.)
Ferguson, Robert A., Oskaloosa, Iowa. Cutting implement for cakes of ice. 1,504,946; Aug. 12.
Fernandez, Joseph, Oakland, Calif. Adjustable micrometer. 1,504,680; Aug. 12.
Fidler, Earl G., assignor of one-half to L. W. Pollard, Garrett, Pa. Ballast-plowing device. 1,504,334; Aug. 12.
Firestone Tire and Rubber Company, The. (See Hargraves, Albert, assignor.)
Firestone Tire and Rubber Company, The. (See MacDonald, Frank J., assignor.)
Fischer, William F. (See Anderson, Gilbert V., assignor.)
Fisher, Ambrus L., New Orleans, La. Gasket. 1,504,335; Aug. 12.
Fisher, Charles, assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,504,750; Aug. 12.
Fisher, Robert H., Chicago, Ill. Dynamic brake for alternating-current motors. 1,504,224; Aug. 12.
Fisk Rubber Company, The. (See Taylor, Edward C., assignor.)
Fitzgerald, Frederic W. V., Caversham, England. Preparation of commercial products from blood. 1,504,225; Aug. 12.
Fitzpatrick, George J., Chicago, Ill. Driving mechanism. 1,504,681; Aug. 12.
Fletcher, Henry P. (See Kellerman, Henry R., assignor.)
Flum, Robert A., and G. R. Reed, Kalamazoo, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for bumper bars. 1,504,947; Aug. 12.
Fokker, Anthony H. G., Amsterdam, Netherlands. Fastening the covering of planes of flying machines to ribs or such like. 1,504,817; Aug. 12.
Folk, John, assignor to United Textile Print Works, Inc., New York, N. Y. Textile fabric. Des. 65,402; Aug. 12.
Folk, John, assignor to United Textile Print Works, Inc., New York, N. Y. Textile fabric. Des. 65,403; Aug. 12.
Folta, Anthony, Clarkson, Nebr. Toy bank. 1,504,948; Aug. 12.
Ford, Clinton W., Detroit, Mich. Lamp pedestal. Des. 65,404; Aug. 12.
Fornelius, Henry A. G., Clifton, N. J. Piston-ring tool. 1,505,017; Aug. 12.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric measuring instrument. 1,504,614; Aug. 12.
Foster, Orson F., Englewood, N. J. Wall bracket. 1,504,336; Aug. 12.
Fostoria Glass Company. (See Roe, Calvin B., assignor.)
Fournier, Albert A., Ottawa, Ontario, Canada. Cuff construction. Re15,892; Aug. 12.
Fraling, Joseph, Bemidji, Minn. Lamp. 1,504,682; Aug. 12.
France, Antoine, Liege, Belgium. Apparatus for sorting pulverulent materials. 1,504,439; Aug. 12.
Fraser, Herbert, Minneapolis, Minn. Game apparatus. 1,505,071; Aug. 12.
Freihofer, William J., Philadelphia, Pa. Sheet of wrapping paper. Des. 65,405; Aug. 12.
French Brothers-Bauer Company, The. (See Lanier, Lewis H., assignor.)
Freuler, John R. (See Schlicker, Herman C., assignor.)
Friday, Charles E. (See Halverson, John F., assignor.)
Friedmann, Louis, Vienna, Austria. Steam-discharge piece for injectors. 1,504,468; Aug. 12.
Friendly, Herbert M., Portland, Oreg. Telephone system. 1,504,337; Aug. 12.
Fritzsche, Hermann, and E. Reber, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs and manufacture of same. 1,504,469; Aug. 12.
Fuller, Frederick L., Bridgeport, Conn., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,504,226; Aug. 12.
Fulllove, Jack P., Shreveport, La. Poison distributor. 1,504,818; Aug. 12.
Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
Fusco, Rudolph V., Brooklyn, N. Y. Gauge. 1,504,683; Aug. 12.
Gallagher, Joseph C., Reno, assignor of one-eighth to F. Knowles, Reno, Nev., one-eighth to P. Salmon, San Francisco, Calif., and one-eighth to R. E. Vice, Virginia City, Nev. Transmission. 1,504,684; Aug. 12.
Gallatin & Cie. (See Schindler-Jenny, Alfred, assignor.)
Gallin, Albert E., and A. P. Kachis, Portland, Oreg. Advertising machine. 1,504,440; Aug. 12.
Garcelon, George H., Swissvale, and N. Hansen, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Mounting for sewing-machine motors. 1,504,615; Aug. 12.
Garst, Dudley, Waterloo, Iowa. Fishing float. 1,504,884; Aug. 12.
Gary, David B., assignor of one-half to H. L. Gary, Everett, Wash. Cutting beveled lumber. 1,504,616; Aug. 12.
Gary, Harry L. (See Gary, David B., assignor.)
Gebrandt, Gustav R., Evanston, Ill., assignor, by mesne assignments, to International Earth-Boring Machine Corporation. Auger-supporting mechanism for earth-boring machines. 1,504,441; Aug. 12.
Gemas, Ira S., Martins Ferry, Ohio. Bearing brass for top rolls and support therefor. 1,504,442; Aug. 12.
General Fire Extinguisher Company. (See Loepsinger, A. J., assignor.)
General Refractories Company. (See Tackett, James R., assignor.)
General Supply Company. (See Berglund, Emanuel, assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,504,227; Aug. 12.
Gentle, Robert B. (See Gentle, William M., assignor.)
Gentle, William M., Los Angeles, Calif., assignor of one-half to R. B. Gentle, New York, N. Y. Bumper for vehicles. 1,504,548; Aug. 12.
Germann, George A., Floral Park, assignor to Mark Cross Company, New York, N. Y. Luggage with folding tray. 1,504,885; Aug. 12.
Germot, Antonin, Asnieres, France. Manufacturing oxide of white antimony. 1,504,685; Aug. 12.
Geyer, Harvey D., assignor, by mesne assignments, to The Inland Manufacturing Company, Dayton, Ohio. Pressed-metal spider having crossed arms. 1,504,617; Aug. 12.
Giachetto, John B., and B. Tex, Kincaid, Ill. Headlight control. 1,505,018; Aug. 12.
Gibbons, James W., Topeka, Kans. Paint-spraying apparatus. 1,504,443; Aug. 12.
Gibbs, Clarence A., Hoboken, N. J. Armored body for automobiles, tractors, cars, and like vehicles. 1,504,949; Aug. 12.
Gibbs, William J., Brooklyn, N. Y. Conveying machine. 1,504,886; Aug. 12.
Gibson, George H., Montclair, N. J., assignor to H. S. B. W. Cochrane Corporation, Philadelphia, Pa. Apparatus for water deaeration. 1,504,618; Aug. 12.
Gilchrist, William A. (See Wertheim, F. E., and Wetherbee, assignors.)
Gilinson, Philip J., assignor to Heinze Electric Company, Lowell, Mass. Making magneto generators. 1,504,619; Aug. 12.
Gillen, George A., Jersey City, N. J., assignor to Gillen Laboratories Corporation, New York, N. Y. Transmission lock for automobiles. 1,504,470; Aug. 12.
Gillen Laboratories Corporation. (See Gillen, George A., assignor.)
Girardi, Domenica. (See Simoncelli, Anselmo, assignor.)
Girin, Pierre, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Alloy comprising iron, nickel, chromium, tungsten, or molybdenum. 1,504,338; Aug. 12.
Girl, Christian. (See Baker, Edwin M., assignor.)
Glaeser, Walter, Brooklyn, N. Y. Manufacture of monosodium phosphate. 1,504,339; Aug. 12.
Glaeser, Walter, Brooklyn, N. Y. Manufacture of monosodium phosphate. 1,504,340; Aug. 12.
Glass, Otto, Rosebud, Tex. Rim and tire clamp. 1,504,444; Aug. 12.
Goldberg, Solomon H., assignor to The Hump Hairpin Manufacturing Company, Chicago, Ill. Inking machine. 1,504,686; Aug. 12.
Golden, Charles E. (See Anderson, Edward V., assignor.)
Goldwater, William N. (See Cornblum, Solomon, assignor.)
Good, Paul E., Riverton, N. J. Method and apparatus to stabilize regulators. 1,504,620; Aug. 12.
Gooderham, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,228; Aug. 12.
Gooderham, John W., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,229; Aug. 12.
Gooderham, John W., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,230; Aug. 12.
Gooderham, John W., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,231; Aug. 12.
Goodrum, Charles L. (See Clausen, H. P., and Goodrum.)
Goodrum, Charles L., and E. E. Hinrichsen, assignors to Western Electric Company, Incorporated, New York, N. Y. Metering system for party telephone lines. 1,504,232; Aug. 12.
Goodyear Tire & Rubber Company, The. (See Hale, James E., assignor.)

Goodyear Tire & Rubber Company, The. (See Litchfield, Paul W., assignor.)
Goodyear Tire & Rubber Company, The. (See Trogner, Roland S., assignor.)
Govers, Francis X., New York, N. Y. Preparing siliceous material. 1,504,549; Aug. 12.
Goyette, Edwin J. (See Armstrong, S. E., and Goyette.)
Graham, Lou E., Indianapolis, Ind. Drain protector. 1,504,233; Aug. 12.
Graham, Paul S., Winters, Tex. Valve-spring lifter. 1,505,019; Aug. 12.
Grau, Adolph E., New Orleans, La. Dredge bucket. 1,504,471; Aug. 12.
Green, Charles F., Defiance, assignor to Industrial Research Corporation, Toledo, Ohio. Fuel-tank support. 1,504,751; Aug. 12.
Green, Martin, London, England. Golf-practice device. 1,504,752; Aug. 12.
Green, Nathaniel W., assignor to The Spirella Company, Meadville, Pa. Brassière hook. 1,504,234; Aug. 12.
Greenleaf, Robert P., assignor to F. Billings, Cleveland, Ohio. Loading machine. 1,504,235; Aug. 12.
Greenwood, Charles H., Canton, Ohio. Bobbin winder. 1,504,950; Aug. 12.
Gregory, Edwin. (See Butts, Emil F., assignor.)
Grihin, Percy M., assignor to Consolidated Car-Heating Company, Albany, N. Y. Car door. 1,504,687; Aug. 12.
Grim, Edward H., Dott, W. Va. Apparatus for operating switches. 1,504,472; Aug. 12.
Gruman, Horace F., assignor to Gruman Special Machine Company, Jackson, Mich. Flat-fell sewing machine. 1,504,550; Aug. 12.
Gruman Special Machine Company. (See Gruman, Horace F., assignor.)
Grumbacher, Walter, New York, N. Y. Brush. 1,504,887; Aug. 12.
Guardian Savings and Trust Company, The, trustee. (See Root, William D., assignor.)
Guerin, Joseph A., Seattle, Wash. Log carrier. 1,504,753; Aug. 12.
Guillaume Ernest M., Worcester, assignor to The Felters Company, Inc., Boston, Mass. Header felt. 1,505,020; Aug. 12.
Gulbransen-Dickinson Company. (See Hales, Charles W., assignor.)
Gulick, Isabel C., Boston, Mass. Light shade or similar article. Des. 65,406; Aug. 12.
Gump, B. F., Co. (See Draver, Emil R., assignor.)
Guthman, Jacob S., et al. (See Ziperstein, Israel I., assignor.)
Gwathney, Arthur, and W. J. Bailey, Woodville, Ala. Resilient wheel structure. 1,504,445; Aug. 12.
Gwatkin, Floyd M., et al. (See Nims, Frank M., assignor.)
Gwatkin, Henry L., et al. (See Nims, Frank M., assignor.)
Haas, Nelson R., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Dynamo-electric machine. 1,504,551; Aug. 12.
Haas, William, Arlington, N. J. Cutting device. 1,504,688; Aug. 12.
Hackett, Alfred, Toronto, Ontario, Canada. Tobacco pipe. 1,504,754; Aug. 12.
Haddigan, Michael J., Peoria, Ill. Railway-car-dumping apparatus. 1,504,888; Aug. 12.
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,504,236; Aug. 12.
Hale James E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel. 1,504,689; Aug. 12.
Hales, Charles W., assignor to Gulbransen-Dickinson Company, Chicago, Ill. Advertising device. 1,504,552; Aug. 12.
Haley, Mark A., assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. Des. 65,407; Aug. 12.
Haley, Mark A., assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. Des. 65,408; Aug. 12.
Hall, Arthur J., Winchcombe, England, P. L. Mardis, Swissvale, Pa., and A. McIver, Deer Lodge, Mont., assignors to Westinghouse Electric & Manufacturing Company. System of control. 1,504,553; Aug. 12.
Hall, Chalmers G., Washington, D. C. Differential transmission. 1,504,951; Aug. 12.
Hall, Kingsley S., Chicago, Ill. Drawer unit for desks or tables. 1,504,446; Aug. 12.
Hallauer, Carl, Brawley, Calif. Charge-forming device. 1,504,554; Aug. 12.
Halverson, John F., assignor of one-half to C. E. Friday, Madison, Wis. Ratchet drive mechanism. 1,504,237; Aug. 12.
Hamilton, George H., and F. J. Blakslee, assignors to American Seating Company, Grand Rapids, Mich. Chair. 1,504,447; Aug. 12.
Hammergren, Carl, Vancouver, British Columbia, Canada. Match safe. 1,504,755; Aug. 12.
Hammill, Harry B., Buffalo, N. Y. Ice-cream freezer. 1,504,756; Aug. 12.
Hanch, Charles C., Connersville, Ind. Piston. 1,504,448; Aug. 12.
Hancock Manufacturing Company. (See Marple, Rollo, assignor.)
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,504,341; Aug. 12.
Hansen, Hans P., Gisborne, New Zealand. Tent. 1,504,889; Aug. 12.
Hansen, Niels. (See Garcelon, G. H., and Hansen.)
Hanwell, Cedric H., Northampton, England. Toy cannon, pistol, gun, and the like. 1,504,819; Aug. 12.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,504,555; Aug. 12.
Hargraves, Albert, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Solid tire. 1,504,449; Aug. 12.
Harrington, C. E., et al. (See Wentling, Lester M., assignor.)
Harris, Harry E., Bridgeport, Conn. Grinding machine. 1,504,556. Aug. 12.
Harris, John, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Gaseous fuel. 1,504,557; Aug. 12.
Hart, Harry S. (See Hindahl, David, assignor.)
Hartman, Peter H., East Orange, N. J. Hod. 1,504,890; Aug. 12.
Haslup, Dodson, Grafton, W. Va. Ornamental display device. 1,505,021; Aug. 12.
Hastings, Benjamin J., Taunton, assignor to Hastings Signal & Equipment Company, Boston, Mass. Bridge-warning detacher and replacer. 1,504,757; Aug. 12.
Hastings Signal & Equipment Company. (See Hastings, Benjamin J., assignor.)
Hatmaker, William T., assignor to The National Recording Pump Company, Dayton, Ohio. Dispensing apparatus for lubricating oils and the like. 1,505,022; Aug. 12.
Hattes, Walter C., Portsmouth, Va. Milk bottle. 1,504,473; Aug. 12.
Hauber, Franz, Vienna, Austria. Metal packing for piston rods. 1,504,342; Aug. 12.
Hawkins, Roe C., Long Beach, Calif. Automatic rotary scraper. 1,504,820; Aug. 12.
Hawley, John B., jr., Colorado Springs, Colo. Turntable and the like. 1,504,558; Aug. 12.
Hays, Claude H., Union, Miss. Advertising device. 1,504,758; Aug. 12.
Hayward, Albert, Auckland, New Zealand. Photographic camera. 1,504,821; Aug. 12.
Heard, Joseph G., Atlanta, Ga. Dental mirror. 1,504,348; Aug. 12.
Heinze Electric Company. (See Gillinson, Philip J., assignor.)
Helsey, A. H., & Co. (See Sanford, Andrew J., assignor.)
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,504,690; Aug. 12.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system of distribution. 1,504,621; Aug. 12.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of ventilation. 1,504,622; Aug. 12.
Heu, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Fulcrum support. 1,504,559; Aug. 12.
Hench, Joseph F., Waterbury, Conn. Self-ejecting fastener. 1,505,023; Aug. 12.
Hennigh, Henry K., Henry County, Ind. Safety device for vehicle drivers. 1,504,344; Aug. 12.
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Forming and wrapping oil-seed cakes. 1,504,450; Aug. 12.
Henry, René A., Liege, Belgium. Apparatus for washing minerals and other substances. 1,505,024; Aug. 12.
Herman Pneumatic Machine Company. (See Ringle, Robert F., assignor.)
Hess, Ezra, Warsaw, Ind. Means for making casts. 1,504,822; Aug. 12.
Hiby, Walther, Scheveningen, assignor to J. C. Baron van Ilnersolte van Haerst, Driebergen, Netherlands. Construction of vertical-chamber ovens. 1,504,451; Aug. 12.
Hieb, Jacob, Seattle, Wash. Automatic lighting device. 1,504,952; Aug. 12.
Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Crank shaft. 1,504,238; Aug. 12.
Hill, Bert E., Natchez, Miss., assignor to National Box Company, Chicago, Ill. Apparatus for making box blanks. 1,504,891; Aug. 12.
Hilton, Thomas, London, England. Resilient supporting surface, mattress, and the like. 1,505,025; Aug. 12.
Hindahl, David, assignor to H. S. Hart, Chicago, Ill. Dump car. 1,504,239; Aug. 12.
Hinrichsen, Edward E. (See Goodrum, C. L., and Hinrichsen.)
Hinrichsen, Edward E. (See Williams, S. B., jr., and Hinrichsen.)
Hirst, Franklin G., Philadelphia, Pa. Lubricating bolt. 1,504,452; Aug. 12.
Hoag, George B. (See Quayle, Le Roy A., assignor.)
Höchstädter, Martin, assignor to N. V. Lyn-Protectie, The Hague, Netherlands. Safety system for electric networks. 1,504,691; Aug. 12.
Hoffman, Edward L., Dayton, Ohio. Vacuum fuel-feeding device. 1,504,345; Aug. 12.
Hohmann, Richard K., assignor to Hohmann Sewing Machine Company, Peru, Ind. Stitch-forming mechanism. 1,504,240; Aug. 12.
Hohmann, Richard K., assignor to Hohmann Sewing Machine Company, Peru, Ind. Bobbin housing for rotary-hook sewing machines. 1,504,241; Aug. 12.

Hohmann, Richard K., Peru, Ind. Bobbin casing and carrier for rotary-hook sewing machines. 1,504,242; Aug. 12.
Hohmann Sewing Machine Company. (See Hohmann, Richard K., assignor.)
Hokanson Otto A., assignor to The Woodstock Typewriter Company, Woodstock, Ill. Stop bar. 1,504,346; Aug. 12.
Hokanson, Otto A., assignor to The Woodstock Typewriter Company, Woodstock, Ill. Tabulator stop for typewriters. 1,504,347; Aug. 12.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Escapement mechanism for typewriters. 1,504,348; Aug. 12.
Hoke, Harry A., Altoona, Pa. Lubricating device for crosshead pins. 1,504,349; Aug. 12.
Holley, Earl. (See Udale, Stanley M., assignor.)
Holley, Thomas W., Ranger, Tex. Well-drilling rig. 1,504,759; Aug. 12.
Holmgreen, Julius H., San Antonio, Tex. Meter box. 1,505,026; Aug. 12.
Holmes, Gette W., Hosston, La. Boll-weevil gatherer and destroyer. 1,504,474; Aug. 12.
Holton, Richard C., Clovis, N. Mex. Pet-cock wrench. 1,504,475; Aug. 12.
Hood, John L., Pawtucket, R. I. Theftproof box. 1,504,760; Aug. 12.
Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)
Hopedale Manufacturing Company. (See Kelly, Cornelius J., assignor.)
Horembala, Teofil, Windsor, Ontario, Canada. Floor-washing machine. 1,504,476; Aug. 12.
Hoscelt, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Dump-car construction. 1,504,243; Aug. 12.
Howell, George L., Munger, Mich. Trailer hitch. 1,504,244; Aug. 12.
Howes, Albert, Santa Cruz, Calif. Shock absorber. 1,504,477; Aug. 12.
Hubbell, Harvey, Bridgeport, Conn. Clasp. 1,504,761; Aug. 12.
Hughes, Emma J., New York, N. Y. Hat. 1,504,350; Aug. 12.
Hulla, Louis J., assignor of one-half to H. Eipshield, Onaway, Mich. Faucet. 1,504,623; Aug. 12.
Hultgren Charles, assignor to S. Karpen & Bros., Chicago, Ill. Sofa bed. 1,504,762; Aug. 12.
Hultgren, Charles, assignor to S. Karpen & Bros., Chicago, Ill. Sofa bed. 1,504,763; Aug. 12.
Humb Hairpin Manufacturing Company. (See Goldberg, Solomon H., assignor.)
Humphries, Chad H. (See Wissler, W. A., and Humphries.)
Huntley, Ernest R., assignor, by mesne assignments, to Milwaukee Lace Paper Company, Milwaukee, Wis. Machine for making paper cups. 1,504,245; Aug. 12.
Hurley, George M., Los Angeles, Calif. Adjustable piston. 1,504,351; Aug. 12.
Hyatt, Frank S., Brooklyn, N. Y. Tube compressor. 1,504,246; Aug. 12.
Hyser, George W., Minneapolis, Minn. Panel-board support. 1,504,478; Aug. 12.
Industrial Research Co. (See Dolbear, Clinton E., assignor.)
Industrial Research Corporation. (See Green, Charles F., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
International Couplers Co. (See White, Walter C., assignor.)
International Earth-Boring Machine Corporation. (See Gebrandt, Gustav R., assignor.)
International Filler Corporation. (See Shelor, Frederick L., assignor.)
International Motor Company. (See De La Monte, Casclous H., assignor.)
Interstate Folding Box Company, The. (See Butterfield, Charles, assignor.)
Iserlis, George F., assignor of one-half to J. G. Satterfield, St. Louis, Mo. Hot-air furnace. 1,504,953; Aug. 12.
Jackson, Corwill, Kalamazoo, Mich. Combined drilling and grinding machine. 1,504,892; Aug. 12.
Jacobs, James M. H. (See Wright, O., and Jacobs.)
Jacobs, Joseph, South Norwalk, Conn., assignor to Webbing & Edging Corporation, New York, N. Y. Bias trimming. Des. 65,409; Aug. 12.
Jacques, William W., Chester, Nova Scotia, Canada. Method and means for detecting and locating submarines. 1,504,247; Aug. 12.
Jandus, Herbert S., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,505,027; Aug. 12.
Jannek, Josef, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Purifying gas. 1,504,624; Aug. 12.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Stamping machine. 1,504,479; Aug. 12.
Jaques, Arthur. (See West, J. H., and Jaques.)
Jarmin, James B., Spokane, Wash. Road machine. 1,504,352; Aug. 12.
Jauch, Richard, et al. (See Tarugnoli, Elvezio, assignor.)
Jellinek, Charles. (See Taylor, Victor P., assignor.)
Johnson, Charles, Minneapolis, Minn. Lumber-cut-off machine. 1,504,248; Aug. 12.
Johnson, Edward E., St. Paul, Minn. Die forging. 1,504,764; Aug. 12.
Johnson, Eric J., Chicago, Ill. Controlling mechanism for windows and other movable members. 1,504,765; Aug. 12.
Johnson, Wesley B., Rockford, Ill. Heelplate. 1,504,480; Aug. 12.
Jones, Carl G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,504,625; Aug. 12.
Jones, Harry W., assignor to American Can Company, New York, N. Y. Sifter top. 1,504,481; Aug. 12.
Jones, Harry W., assignor to American Can Company, New York, N. Y. Sifter-top container. 1,504,482; Aug. 12.
Jones, Joseph H. (See Burgess, Robert, assignor.)
Jones, Omar E. (See Cox, C. E., and Jones.)
Jordan, Donald G., et al. (See Wentling, Lester M., assignor.)
Kachls, Angelo P. (See Gallin, A. E., and Kachis.)
Kamp, John C., Saugerties, N. Y. Frame for automobile curtain windows and the like. 1,504,954; Aug. 12.
Kaplan, Abraham. (See Strauss, Joseph, assignor.)
Kaplan, Max, New York, N. Y. Artificial leaf for millinery and the like purposes. Des. 65,410; Aug. 12.
Karlson, Emil C., Lynn, Mass. Banding-machine attachment. 1,505,028; Aug. 12.
Karpen, S., & Bros. (See Hultgren, Charles, assignor.)
Kaufman, Harry A., assignor to Manhattan Knitting Mills, Incorporated, New York, N. Y. Sweater. Des. 65,411; Aug. 12.
Kaufmann, Harold O. (See Wigglesworth, H. H., and Kaufmann.)
Kaynor, Warren F., Waterbury, Conn., assignor to Waterbury Button Company. Cap button. 1,504,955; Aug. 12.
Keller, William H. (See Walmsley, Harold M., assignor.)
Keller, William I., et al. (See Riley, George J., assignor.)
Kellerman, Henry R., Paddington, near Sydney, assignor to H. P. Fletcher, Sydney, New South Wales, Australia. Construction of hinges. 1,505,029; Aug. 12.
Kellogg Switchboard and Supply Company. (See Currier, H. D., and Eaton, assignors.)
Kelly, Cornelius J., Taunton, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism for looms. 1,504,893; Aug. 12.
Kentch, George F., Clatskanie, Oreg. Drag-saw. 1,505,030; Aug. 12.
Keyoke Railway Equipment Company. (See Cook, Roy J., assignor.)
Kilius, Walter C., and J. F. Rudolph, Lompoc, Calif., said Rudolph assignor to said Kilius. Thermocontainer. 1,504,353; Aug. 12.
King, Leeroy E., Douglas, Ariz. Long-distance automatic signaling mechanism. 1,505,031; Aug. 12.
King, Myron P., Blockton, Iowa. Shocker attachment for binders. 1,504,956; Aug. 12.
King Manufacturing Company, The. (See Trachsel, Louis E., assignor.)
Kinney, J. Stanley, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible coupling. 1,504,626; Aug. 12.
Kintner, Alcuin E., Painesville, assignor, by mesne assignments, to The Neff Company, Cleveland, Ohio. Door latch. 1,504,544; Aug. 12.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Disk clutch reverser. 1,505,074; Aug. 12.
Klein, Edward W., Atlanta, Ga. Automatically-controlled valve. 1,505,032; Aug. 12.
Klein, Henry, Cleveland, Ohio. Two-part garment. 1,504,249; Aug. 12.
Kline, Arthur H., Chicago, Ill. Plug connection. 1,504,823; Aug. 12.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Rheostat. 1,504,483; Aug. 12.
Klug, Albert, Columbus, Nebr. Automobile bumper. 1,505,033; Aug. 12.
Knipfer, Harry, New Auburn, Wis. Starting device for aeroplanes. 1,504,766; Aug. 12.
Knepsnyder, Irwin M. (See Larsen, Mads M., assignor.)
Knowles, Frank, et al. (See Gallagher, Joseph C., assignor.)
Knowles, Frank W., Seattle, Wash. Beet-harvesting machine. 1,504,484; Aug. 12.
Knowling, George W. (See Lahmer, Albert J., assignor.)
Knox, George F., Milwaukee, Wis. Expansion valve for refrigerating systems. 1,504,692; Aug. 12.
Kobylaz, Thomas. (See Bober, Charles, assignor.)
Kobynos, Thomas. (See Bober, Charles, assignor.)
Koehring Company. (See Webb, George E., assignor.)
Koenigkramer, Frank, Cincinnati, Ohio. Chair. Des. 65,412; Aug. 12.
Kraft, Henry P., Ridgewood, N. J. Quick-acting rim nut or the like. 1,504,250; Aug. 12.
Kramer, Abraham. (See Kramer, Samuel and A.)
Kramer, Samuel and A., Brooklyn, N. Y. Wall bracket. Des. 65,413; Aug. 12.

Krause, Fred C., Mansfield, S. Dak. Trace carrier. 1,504,560; Aug. 12.
Krell, George, Kansas City, Mo. Well-tubing elevator. 1,504,354; Aug. 12.
Krell, George, Kansas City, Mo. Casing elevator. 1,504,355; Aug. 12.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Camera back. 1,504,485; Aug. 12.
Kroedel, Robert. (See Robertson, J. A., and Kroedel.)
Kruskopf, Hermann, Dortmund, Germany. Method of and means for extinguishing or smothering explosions in mines. 1,504,824; Aug. 12.
Kussner, Israel, New York, N. Y. Toy constructor. 1,505,034; Aug. 12.
Lahmer, Albert J., Toronto, Ontario, Canada, assignor of one-half to G. W. Knowling, Detroit, Mich. Sanitary closet-seat cover. 1,505,067; Aug. 12.
La Hodny, William, Buffalo, N. Y. Mounting for windshield wings, etc. 1,504,767; Aug. 12.
Lamb, James G., Denver, Colo., assignor to American Smelting and Refining Company, New York, N. Y. Treating native arsenate ores. 1,504,627; Aug. 12.
Laminack, William E., Blake, Okla. Binder attachment. 1,504,768; Aug. 12.
Lamora, Seliphe J., St. Johnsbury, Vt. Piston ring. 1,505,035; Aug. 12.
Lanchester, Frederick W., London, England. Vehicle spring. 1,505,036; Aug. 12.
Landers, Charles W., Pensacola, Fla. Plow. 1,505,037; Aug. 12.
Landgraff, Ernst U., Christiania, Norway. Wringing apparatus for scrubbing cloths and mop cloths. 1,504,356; Aug. 12.
Landsiedel, Harry, assignor to Dalton Adding Machine Company, Cincinnati, Ohio. Word-printing device. 1,504,561; Aug. 12.
Lane, Richard D., assignor to The F. A. Neider Company, Augusta, Ky. Vehicle curtain fastener. 1,504,486; Aug. 12.
Lanier, Lewis H., Newport, Ky., assignor to The French Brothers-Bauer Company, Cincinnati, Ohio. Ice-cream-cone machine. 1,505,068; Aug. 12.
Lansing, Richard H., Chicopee Falls, Mass. Steam generator. 1,504,251; Aug. 12.
La Rose, Pierre D., Cambridge, Mass., assignor to The Catholic Students' Mission Crusade, Cincinnati, Ohio. Flag. Des. 65,414; Aug. 12.
Larsen, Jacob C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck of the six-wheel type. 1,504,252; Aug. 12.
Larsen, Mads M., assignor of forty-nine per cent to I. M. Knopsnyder, Colton, Calif. Curtain bracket. 1,504,825; Aug. 12.
Larsen, Mads M., Colton, Calif. Insert-card frame. 1,504,826; Aug. 12.
La Tourrette, Willett J., Denver, Colo. Internal-combustion engine. 1,504,957; Aug. 12.
Lauritsen, Charles C., assignor to The Ohio Body and Blower Company, Cleveland, Ohio. Weir meter. 1,505,050; Aug. 12.
Lavers, Charles W., Halifax, Nova Scotia, Canada. Rubber heel. 1,505,038; Aug. 12.
Lawler, James J., Pelham, N. Y. Steam-heating system. 1,504,958; Aug. 12.
Lay, Oscar T., Grassy Butte, assignor of one-third to H. G. Schwartz, Killdeer, N. Dak. Farm gate. 1,505,039; Aug. 12.
Laycock, Wilbur A., J. C. Farrar, and H. H. Wolbert, assignors to Motor Curve Light Company, Delta, Colo. Road-illumination control for vehicles. 1,505,040; Aug. 12.
Laycock, Wilbur A., J. C. Farrar, and H. H. Wolbert, assignors to Motor Curve Light Company, Delta, Colo. Circuit maker and breaker. 1,505,041; Aug. 12.
Leblanc, Charles L. A. M., assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. Electric valve. 1,504,628; Aug. 12.
Lebwohl, Benjamin, assignor of one-half to B. Mindich, New York, N. Y. Match-holding cigar or cigarette box. 1,504,357; Aug. 12.
Lee, Ralph L. (See Dickey, E., and Lee.)
Leeds & Northrup Company. (See Peters, Jacob C., jr., assignor.)
Leff, Morris, New York, N. Y. Automobile door. 1,504,562; Aug. 12.
Le Gresley, William H. (See Rowland, F. T., and Le Gresley.)
Lehman, Edward G., Canton, Ohio., Sheet opener. 1,504,487; Aug. 12.
Leigh, Edmund W., Shanklin, Isle of Wight, England. Press for the manufacture of hollow earthenware articles. 1,505,042; Aug. 12.
Leitner, Henry, London, England. Mechanism for varying the pitch of screw propellers. 1,504,769; Aug. 12.
Lentz, George W., Canton, Ohio. Expanded-metal machine. 1,504,629; Aug. 12.
Leperre, Emile F. A. C., Antwerp, Belgium. Machine for cutting diamonds. 1,504,358; Aug. 12.
Leschbrandt, Elnar, Philadelphia, Pa., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,504,959; Aug. 12.
Leuwer, Anthony J. (See Ziehlke, M., and Leuwer.)
Levin, Isaac H., New York, N. Y. Electrolytic cell. 1,504,359; Aug. 12.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,505,069; Aug. 12.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,505,070; Aug. 12.
Lieber, William H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Flow indicator. 1,504,770; Aug. 12.
Lile, John V., et al., trustees. (See Lile, John V., assignor.)
Lile, John V., assignor to E. A. Nevin and J. V. Lile, trustees for Nevin-Lile Engineering Company, Limited. St. Louis, Mo. Indexing device. 1,504,360; Aug. 12.
Lilienfeld, Leon, Vienna, Austria. Cellulose ether and making same. 1,505,043; Aug. 12.
Lilienfeld, Leon, Vienna, Austria. Insoluble cellulose-ether compound and making the same. 1,505,044; Aug. 12.
Lilleberg, Charles L., Chicago, Ill. Wire cable. 1,504,
Lilleberg, Charles L., Chicago, Ill. Wire cable. 1,504,630; Aug. 12.
Lindgren, Fred, deceased, Renton, Wash.; O. Lindgren, executor. Lock for hoisting hooks. 1,505,051; Aug. 12.
Lindgren, Olof, executor. (See Lindgren, Fred.)
Lindsay, Harvey B., Oakland, Calif. Refrigerator. 1,504,693; Aug. 12.
Lipman, Paul, San Francisco, Calif. Mechanical toy. 1,504,631; Aug. 12.
Lipshield, Henry. (See Hulla, Louis J., assignor.)
Litchfield, Paul W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle tire. 1,504,694; Aug. 12.
Llewellyn, Lee, Dormont, assignor to Pittsburgh Coal Washer Company, Pittsburgh, Pa. Apparatus for loading barges. 1,504,960; Aug. 12.
Lobato, Alberto, Antonito, Colo. Computing device. 1,504,632; Aug. 12.
Loepsinger, Albert J., Edgewood, assignor to General Fire Extinguisher Company, Providence, R. I. Supervisory device for automatic sprinkler systems and the like. 1,504,563; Aug. 12.
Lohrman, Charles, Wantagh, N. Y. Receptacle. 1,505,045; Aug. 12.
Long, George F., New York, N. Y. Pedal. 1,504,695; Aug. 12.
Luce, Lucy W., Brooklyn, N. Y. Device for supporting walls of a tile game. 1,504,633; Aug. 12.
Luce, Lucy W., Brooklyn, N. Y. Device for supporting walls of a tile game. 1,504,634; Aug. 12.
Ludwick, Verne J., Malta, Mont. Air heater for internal-combustion engines. 1,504,961; Aug. 12.
Lush, Charles H., assignor to Beacon Mfg. & Sales Co., Inc., Freeport, N. Y. Sign holder. 1,505,046; Aug. 12.
Lutenberger, Mike, Blocton, Ala. Carbide can. 1,504,962; Aug. 12.
Maccallum, Norman E., Phoenixville, Pa. Furnace. 1,504,566; Aug. 12.
MacDonald, Frank J., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Manufacturing bias fabric and apparatus therefor. 1,504,255; Aug. 12.
MacDonald, Hugh. (See MacDonald, William and H.)
MacDonald, William and H., Inverness, Scotland. Waving of hair. 1,504,567; Aug. 12.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,504,[illegible]; Aug. 12.
MacGregor, Peter. (See Anderson, Robert, assignor.)
Mackie, Charles D., Pittsfield, Mass. Plant-receptacle holder. 1,504,489; Aug. 12.
MacLean, Clifton R., Stoughton, Mass. Cutting device for glass and other articles. 1,504,696; Aug. 12.
Mallory, George P., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Fork dies. 1,504,771; Aug. 12.
Madigan, Thomas J., New York, N. Y., assignor to Madigan Union Corporation. Locked coupling. 1,504,363; Aug. 12.
Madigan Union Corporation. (See Madigan Thomas J., assignor.)
Manhattan Knitting Mills, Incorporated. (See Kaufman, Harry A., assignor.)
Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
Mann, James H., jr., Pine Bluff, Ark., assignor, by mesne assignments, to Empire Trust Company, trustee, New York, N. Y. Lock for vending machines and glass retainers for slide covers. 1,504,628; Aug. 12.
Manning, Fred W., Chicago, Ill., assignor to Manning Refining Equipment Corporation. Decolorizing oil. 1,504,772; Aug. 12.
Manning Refining Equipment Corporation. (See Manning, Fred W., assignor.)
Marcuson, Elias, New York, N. Y. Paper feeding and collating device. 1,504,256; Aug. 12.
Mardis, Paul L. (See Hall, A. J., Mardis, and McIver.)
Mardis, Paul L., Swissvale Pa. assignor to Westinghouse Electric & Manufacturing Company. Trolley. 1,504,569; Aug. 12.
Marlin Firearms Corporation, The. (See Swebilius, Carl G., assignor.)
Marple, Rollo, assignor to Hancock Manufacturing Company, Charlotte, Mich. Handle for automobile doors. Des. 65,415; Aug. 12.

Marple, Rollo, assignor to Hancock Manufacturing Company, Charlotte, Mich. Handle for automobile doors. Des. 65,416; Aug. 12.
Marshall, Burns H., Detroit, Mich. Wreath. 1,504,571; Aug. 12.
Marston, Sheldon, Bay City, Mich. Electromagnetic valve. 1,504,773; Aug. 12.
Martin, Bruno, Saginaw, Mich. Heating attachment for lamps. 1,504,364; Aug. 12.
Martin, Clyde H., Pittsburgh, Pa., assignor to Durant Motors Incorporated. Valve-operating mechanism. 1,504,774; Aug. 12.
Marx, Louis, New York, N. Y. Sparking top. 1,504,257; Aug. 12.
Mas, George N., Lynchburg, Va. Bottle. Des. 65,417; Aug. 12.
Mason, Richard C., Tulsa, Okla. Shock-absorbing device for drilling and pumping apparatus. 1,504,490; Aug. 12.
Mason, Stewart J., assignor of one-half to E. L. Wiedeman, Portland, Oreg. Spark plug. 1,505,049; Aug. 12.
Mather, George L., Milwaukee, assignor to The Federal Rubber Company, Cudahy, Wis. Mandrel support. 1,505,052; Aug. 12.
Matthies, William H., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,258; Aug. 12.
Mauborgne, Joseph O., Chicago, Ill., and L. Cohen, Washington, D. C. Electrical signaling. 1,504,570; Aug. 12.
Mayhood, Frank H., Calgary, Alberta, Canada. Brush. 1,504,365; Aug. 12.
Maynes Corporation. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., Gaines, Pa., assignor to Maynes Corporation, Dover, Del. 1,504,396; Aug. 12.
McBride, Jesse E., assignor to Palmer-Bee Company, Detroit, Mich. Mold loader. 1,504,804; Aug. 12.
McCash, Perry V., Seattle, Wash. Make-and-break electrical sign control. 1,505,047; Aug. 12.
McCausland, Sanford, Quincy, Mass. Rim tool. 1,504,636; Aug. 12.
McCausland, Sanford, Quincy, Mass. Shingling gauge. 1,504,635; Aug. 12.
McCluskey, Edward, Cloquet, Minn. Log-setting retarder. 1,504,488; Aug. 12.
McCord, Claude M., Richmond Heights, assignor to Armature Rewinding Company, St. Louis, Mo. Armature-winding machine. 1,504,253; Aug. 12.
McGill, Thurston, La Fayette, Ind. Dish rinser. 1,504,827; Aug. 12.
McIver, Alexander. (See Hall, A. J., Mardis, and McIver.)
McKee, Lloyd H., Fort Worth, Tex. Wooden receptacle. 1,504,564; Aug. 12.
McKelvey, Archibald L., St. Louis, Mo. Aircraft. 1,504,895; Aug. 12.
McKoy, Edwin A., and G. D. Moore, New Orleans, La. Stump cutter. 1,504,963; Aug. 12.
McLeod, John M., San Pedro, Calif. Attachment for toilets. 1,505,048; Aug. 12.
McLoughlin, John J., Philadelphia, Pa. Pantalets and similar garment. 1,504,361; Aug. 12.
McMillin, Frank E. (See Brown, Allen W., assignor.)
McNeill, John M., St. Joseph, Mo. Grave marker. 1,504,565; Aug. 12.
McNeill, Walter G., and H. H. Blackledge, Dayton, Ohio. Means for releasing bombs. 1,504,362; Aug. 12.
McQuarrie, James L., Chicago, Ill., and A. M. Bullard, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated, Semimechanical telephone-exchange system. 1,504,254; Aug. 12.
McTarnahan, John T., assignor to R. H. Cabonet, trustee in bankruptcy of McTarnahan Fuel Oil Burning Corporation, bankrupt, Boston, Mass. Furnace. 1,504,835; Aug. 12.
McVey, John H., Wessington Springs, S. Dak. Ironing table. 1,504,637; Aug. 12.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electric welding. 1,504,367; Aug. 12.
Measuregraph Company, The. (See Turner, Douglas, assignor.)
Melms, Julius J., and C. E. Wallace, Detroit, Mich.; said Melms assignor to said Wallace. Ring. Des. 65,418; Aug. 12
Menard, Joseph A., Seattle, Wash. Abrasive compound. 1,504,697; Aug. 12.
Menefee, Vera, Los Angeles, Calif. Pin. Des. 65,419; Aug. 12.
Mercer, Walter M., et al. (See Anderson, George A., assignor.)
Merolle, Augustus L., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y. Closure for receptacles. 1,504,698; Aug. 12.
Mershon, Wm. B., & Co. (See Rhinevault, Glenn G., assignor.)
Miller, Adolph, Kirkwood, Mo. Knockdown export packing box. 1,504,699; Aug. 12.
Miller, Arthur E., Montpelier, Vt. Key-ring holder. 1,504,639; Aug. 12.
Miller, Frank E., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Door-supporting mechanism. 1,504,572; Aug. 12.
Miller, John H., Oak Park, assignor to Pines Manufacturing Company, Chicago, Ill. Shutter-operating apparatus. 1,504,573; Aug. 12.
Miller, Walter G., Galveston, Tex. Sterilizer. 1,504,775; Aug. 12.
Miller, William O., Detroit, Mich. Wind-power generator. 1,504,259; Aug. 12.
Millhauser, David, Brooklyn, N. Y. Garment. 1,504,053; Aug. 12.
Millie Patent Holding Co. (See Allatt, Thomas, assignor.)
Mills, Ellis H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,260; Aug. 12.
Mills, Ellis H., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,261; Aug. 12.
Mills, Harry E., New York, N. Y. Taxicab identifier. 1,505,079; Aug. 12.
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Milner, Charles E., assignor to Benton & Stone Limited, Birmingham, England. Grease gun and like apparatus. 1,505,054; Aug. 12.
Milwaukee Lace Paper Company. (See Huntley, Ernest R., assignor.)
Mindich, Benjamin. (See Lebwohl, Benjamin, assignor.)
Minerals Separation North American Corporation. (See Broadbridge, W., Edser, and Stenning, assignors.)
Molius, Agustin R., Habana, Cuba. Secret system for radio telegraphy. 1,505,055; Aug. 12.
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monten, John L. (See Nelson, C., and Monten.)
Moore, George D. (See McKoy, E. A., and Moore.)
Moore, James. (See Allan, H. L., and Moore.)
Moore, Richard A., et al. (See Adams, George C., assignor.)
Moore, Walter G., and J. E. Wood, Chicago, Ill. Pneumatic bumper. 1,504,828; Aug. 12.
Morgan, Harvey Z., Pine Bluff, Ark. Combined tie and rail fastener. 1,504,262; Aug. 12.
Morrow, James B., Oakland, Calif. Heat deflector. 1,504,640; Aug. 12.
Moses, Richard W., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shear and piler. 1,504,574; Aug. 12.
Motor Curve Light Company. (See Laycock, W. A., Farrar, and Wolbert, assignors.)
Mouat, Thomas G. (See Preston, Bruce B., assignor.)
Mujica, José L., Brooklyn, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation. Electroplating apparatus. 1,504,700; Aug. 12.
Mukai, Kichimatsu, San Francisco, Calif. Window-cleaning device. 1,504,641; Aug. 12.
Mulder, Edward D., Orange City, Iowa. Steering device. 1,504,263; Aug. 12.
Mulligan, Francis, Belfast, Ireland. Plaster. 1,504,829; Aug. 12.
Mulloy, William, St. Louis, Mo. Automobile brake. 1,504,368; Aug. 12.
Murphy, Michael P., New York, N. Y. Duplicating machine. 1,504,896; Aug. 12.
Murray Company, The. (See Henry, Nelson B., assignor.)
Murray, Eugene F., Chicago, Ill. Index base. 1,505,056; Aug. 12.
Myers, Alfred C., Altoona, Pa. Collapsible hairbrush. 1,504,830; Aug. 12.
N. V. Lyn Protectie. (See Höchstädter, Martin, assignor.)
Nagel, William F., Ensley, Ala. Coal-distilling apparatus. 1,505,057; Aug. 12.
Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,504,776; Aug. 12.
National Box Company. (See Hill, Bert E., assignor.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
National Electric Distributor Corporation. (See Cardwell George A., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Evaporator Corporation. (See Baker, David S., assignor.)
National Labeling Machine Company. (See Becker, Fritz, assignor.)
National Recording Pump Company, The. (See Hatmaker, William T., assignor.)
Naugle, Roy L., Blackstone, Va. Radius-rod-adjusting attachment. 1,505,058; Aug. 12.
Neff Company, The. (See Klatner, Alcuin E., assignor.)
Nelder, F. A., Company, The. (See Lane, Richard D., assignor.)
Nelson, Carl, and J. L. Monten, Chicago, Ill. Form for concrete construction. 1,504,264; Aug. 12.
Nelson, Julius M., Tulsa, Okla. Fuel-supply means for internal-combustion engines. 1,504,642; Aug. 12.
Nettleton, Hiram S. (See Brotherton, H., jr., and Nettleton.)
Neumann, John W., St. Louis, Mo. Heater. 1,504,369; Aug. 12.
Nevel, Albert L., et al. (See Wentling, Lester M., assignor.)

Nevin, Donald A., et al., trustees. (See Lile, John V., assignor.)
Newberry, Arthur C., et al. (See Newberry, Spencer B., assignor.)
Newberry, Andrew W., et al. (See Newberry, Spencer B., assignor.)
Newberry, Andrew W., executor. (See Newberry, Spencer B.)
Newberry, Spencer B., deceased. Cleveland, Ohio; A. W. Newberry, executor, assignor of one-half to A. W. Newberry and one-half to A. C. Newberry. Process and apparatus for making cement. 1,504,701; Aug. 12.
Newberry, Spencer B., deceased, Cleveland, Ohio; A. W. Newberry, executor, assignor of one-half to A. W. Newberry and one-half to A. C. Newberry. Burning cement clinkers. 1,504,702; Aug. 12.
New Departure Manufacturing Company, The. (See Bush, George G., assignor.)
New England Trust Company, The, trustee. (See Brink, Carl A., assignor.)
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Comminuting mill. 1,504,777; Aug. 12.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Comminuting mill. 1,504,778; Aug. 12.
Newland, Howard R., Bens Run, W. Va. Pipe wrench. 1,504,964; Aug. 12.
Nicholson, Fred T., Bloomfield, N. J. Paper receptacle or container and making the same. 1,504,491; Aug. 12.
Nicholas, William, assignor to The Black Rock Mfg. Co., Bridgeport, Conn. Knife-feeding mechanism for rubber and fabric cutting machines. 1,504,703; Aug. 12.
Nicht, Alexander J., jr. (See Brown, J. W., and Nicht.)
Nielsen, Laurits H., Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Manufacture of brushes. 1,504,575; Aug. 12.
Nims, Frank M., assignor of one-fourth to H. L. Gwatkin and one-fourth to F. M. Gwatkin, Muskegon, Mich. Antiskid chain. 1,504,965; Aug. 12.
Nist, Edward, Oak Park, Ill. Lawn or hedge cutter. 1,505,059; Aug. 12.
Nonak Stropper Company. (See Reynolds, Frank A., assignor.)
Nordstrand, Matilda J., Chicago, Ill. Mixing device. 1,504,704; Aug. 12.
Nudl, Ludwig, Whittlesea, assignor to The Nudl Safety Cabinet Ticket Tube Company Proprietary Limited, Melbourne, Victoria, Australia. Vending of railway and like tickets. 1,504,643; Aug. 12.
Nudl Safety Cabinet Ticket Tube Company Proprietary Limited. (See Nudl, Ludwig, assignor.)
Nuttall, R. D., Company. (See Burnham, Leland F., assignor.)
Nymfaun Company. (See Pfous, Frank, assignor.)
Ohio Body and Blower Company, The. (See Lauritsen, Charles C., assignor.)
Oil Wells Renewal Company. (See Brine, Percival F., assignor.)
Olds, Frank C. (See Stacy, Charles E., assignor.)
Olsen, Mathias, Dutton, Mont. Weeder. 1,504,966; Aug. 12.
Olson, Samuel, assignor to Samuel Olson & Company, Chicago, Ill. Automatic selective conveyer switch device. 1,504,705; Aug. 12.
Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
Onondaga Pottery Company. (See Haley, Mark A., assignor.)
Opperman, Hugh E., Honolulu, Hawaii, assignor to California Packing Corporation, New York, N. Y. Fruit-delivering apparatus for peeling machines. 1,504,570; Aug. 12.
Orendorff, Oliver H., Bloomington, Ill. Latch. 1,504,967; Aug. 12.
Ormerod, Thomas J., assignor of one-half to W. Clark, Toronto, Ontario, Canada. Collapsible table. 1,504,571; Aug. 12.
Osborn Manufacturing Company, The. (See Nielsen, Laurits H., assignor.)
Oslock, Albert M., Elgin, Ill., assignor to N. W. Church, Los Angeles, Calif. Driving mechanism for speed indicators. 1,504,897; Aug. 12.
Otto, Carl, Copenhagen, Denmark. Vertical chamber oven. 1,504,492; Aug. 12.
Otto, Carl, Hellerup, Denmark. Vertical chamber oven. 1,504,493; Aug. 12.
Owens, Fred, Somerset, Ky. Engine governor. 1,504,968; Aug. 12.
Oyston, William R. (See Thomson, H., and Oyston.)
Paatsch, Fred C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,504,779; Aug. 12.
Pachter, Peter, Chicago, Ill. Wrapping machine. 1,504,706; Aug. 12.
Palmer-Bee Company. (See McBride, Jesse E., assignor.)
Palmer, Charles S., Pittsburgh, Pa. Apparatus for treating liquids with gases. 1,504,265; Aug. 12.
Park, Halford W., Searsdale, N. Y., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Automatic device for draining variable-pressure alarm systems. 1,504,831; Aug. 12.
Parker, Charles A., Haugan, Mont. Ramp shoe. 1,504,969; Aug. 12.
Parsons, Aldus M., Fargo, N. Dak. Fencepost. 1,504,494; Aug. 12.
Parsons, Charles A., and S. S. Cook, Newcastle-on-Tyne, England; said Cook assignor to said Parsons. Gear-cutting machine. 1,504,372; Aug. 12.
Pascucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Optical system. 1,504,970; Aug. 12.
Patitz, Johann F. M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary tiller. 1,504,495; Aug. 12.
Patton Wooden Ware Co. (See Sterne, Richie H., assignor.)
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Rocking colter. 1,504,373; Aug. 12.
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Paulus, Charles L. (See Sutton, H. A., and Paulus.)
Payton, William T., Westmount, Quebec, Canada. Check or the like. 1,504,780; Aug. 12.
Peck, Myrtlan, Nashville, Tenn. Valve-actuating mechanism. 1,504,496; Aug. 12.
Peck, Richard K., Elgin, Ill. Electric heater for water-circulating systems. 1,504,266; Aug. 12.
Perry, John A., Toronto, Ontario, Canada. Method and means of lining pipe molds. 1,504,497; Aug. 12.
Petcher, Edward C., St. Louis, Mo. Faucet. 1,504,498; Aug. 12.
Peters, Jacob C., jr., State College, assignor to Leeds & Northrup Company, Philadelphia, Pa. Gas analysis. 1,504,707; Aug. 12.
Peterson, Clayton E., South Milwaukee, Wis. Core-box cutter. 1,504,499; Aug. 12.
Peterson, Ernest J., et al. (See Riley, George J., assignor.)
Pfeifer, Paul J., assignor to The Virden Company, Cleveland, Ohio. Combination hickey loop. 1,504,374; Aug. 12.
Pfous, Frank, Coshocton, assignor to Nymfaun Company, Cleveland, Ohio. Display cabinet. Des. 65,420; Aug. 12.
Philadelphia Drying Machinery Company, The. (See Wigglesworth, H. H., and Kaufmann, assignors.)
Phillips, Harry, assignor to Dental Manufacturing Company, Limited, London, England. Sculling machine. 1,504,375; Aug. 12.
Pilcher, John V., and J. F. Babbitt, Louisville, Ky.; said Babbitt assignor to said Pilcher. Separable button. 1,504,376; Aug. 12.
Pilkey, George A. (See Vessot, C. H., Vessot, and Pilkey.)
Pines Manufacturing Company. (See Miller, John H., assignor.)
Pioneer Suspender Company. (See Cahn, Tillman, assignor.)
Pittsburgh Coal Washer Company. (See Llewellyn, Lee, assignor.)
Pizzoglio, Ettore, assignor to C. Richiardi, Turin, Italy. Coffee machine for the preparation of instantaneous coffee. 1,504,500; Aug. 12.
Platt, Clarence D., Bridgeport, Conn. Safety switch. 1,504,708; Aug. 12.
Plummer, Harold, Oakland, Calif. Shoe cleaning and polishing machine. 1,504,377; Aug. 12.
Plyley, Estle D., Detroit, Mich. Automatic street indicator for railway cars. 1,504,378; Aug. 12.
Polinkowsky, Lipa, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. 1,504,267; Aug. 12.
Polinkowsky, Lipa, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,504,268; Aug. 12.
Pollard-Alling Manufacturing Company. (See De Minico, Frank, assignor.)
Pollard, Lee W. (See Fidler, Earl G., assignor.)
Pollnick, Paul J., Brooklyn, N. Y. Paper-hanger's stair trestle. 1,504,971; Aug. 12.
Pomeroy, Howard C., St. Louis, Mo. Cover for drinking vessels. 1,504,898; Aug. 12.
Pomeroy, Ralph E. H., Canton, Ohio. Machine for pulverizing material. 1,504,781; Aug. 12.
Pope, Edwin, Quebec, Quebec, Canada. Typewriter. 1,504,576; Aug. 12.
Pope, Laura E., Stockton, Calif. Slicer and decorator. 1,504,501; Aug. 12.
Pouget, Marcellin, Detroit, Mich. Culinary apparatus. 1,504,832; Aug. 12.
Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Indexing system. 1,504,709; Aug. 12.
Powell, Joseph H., Dallas, Tex. Garment-display folder. 1,504,502; Aug. 12.
Powrie, John H., New York, N. Y. Photolithography. 1,504,782; Aug. 12.
Poziomek, John, Tarentum, Pa. Safety envelope. 1,504,972; Aug. 12.
Pressed Steel Car Company. (See Miller, Frank E., assignor.)
Pressed Steel Car Company. (See Ramsey, Robert S., assignor.)
Pressed Steel Car Company. (See Streib, John F., assignor.)
Preston, Bruce B., assignor to T. G. Mouat, Cleveland, Ohio. Valve. 1,504,453; Aug. 12.

Prosser, Thomas H., Tatura, Victoria, Australia. Tip for billiard cues. 1,504,833; Aug. 12.
Pryts, Carl G., Millbank, S. Dak. Fuel mixer for internal-combustion engines. 1,504,973; Aug. 12.
Purcell, Joseph M., et al. (See Adams, George C., assignor.)
Quayle, Le Roy A., assignor of one-half to G. B. Hoag, Cleveland, Ohio. Apparatus for excavating tunnels. 1,505,060; Aug. 12.
Quinn, David H., Boston, Mass., and W. E. Swift, Lake Forrest, Ill. Ground-anchor means. 1,504,899; Aug. 12.
R. & S. Valve Company, The. (See Richardson, Edward E., assignor.)
Radimak, Steven, assignor of one-half to D. Schiffer, New York, N. Y. Magazine brush. 1,504,783; Aug. 12.
Ramler, Frederick A. (See Baker, W. A., and Ramler.)
Ramsey, Robert S., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Door mechanism. 1,504,503; Aug. 12.
Randolph, William A., Seattle, Wash. Ordnance. 1,504,504; Aug. 12.
Rankin, William A., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Thermostatic switch. 1,504,269; Aug. 12.
Ravlolo, John B., New York, N. Y., assignor to Durant Motors Incorporated. Combined wheel puller and hub cap. 1,504,784; Aug. 12.
Rayburn, James E., assignor of one-half to C. L. Boyd, Waynesboro, Tenn. Ax. 1,504,644; Aug. 12.
Read, John B. (See Coolbaugh, M. F., and Read.)
Reber, Emil. (See Fritzsche, H., and Reber.)
Redford, John E., Kinloch Park, assignor to The American Brake Company, St. Louis, Mo. Slack adjuster. 1,504,379; Aug. 12.
Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)
Reed, Clyde C., and H. W. Watson, Memphis Tenn. Bumper. 1,504,505; Aug. 12.
Reed, George R. (See Flum, R. A., and Reed.)
Regan Safety Devices Company. (See Shaver, Archibald G., assignor.)
Rehn, Belden, Miles City, Mont. Glove. 1,504,836; Aug. 12.
Reichart, Rayburn, et al. (See Wentling, Lester M., assignor.)
Reindl, Edward C., et al. (See Riley, George J., assignor.)
Relfenour, George W., Union City, Ind. Golf club and making the same. 1,504,380; Aug. 12.
Remington Accounting Machine Corporation. (See Boa, Robert G. C., assignor.)
Reno, Conrad, Springfield, Mass. System for transmitting energy without wires. 1,504,974; Aug. 12.
Reynolds, Frank A., Geneva, N. Y., assignor, by mesne assignments, to Nonak Stropper Company, Inc. Safety-razor-blade-sharpening machine. 1,504,506; Aug. 12.
Reynolds, John N., Greenwich, Conn. Method of and apparatus for indicating the attitude of aircraft. 1,504,785; Aug. 12.
Rhinevault, Glenn G., assignor of one-half to Wm. B. Mershon & Co., Saginaw, Mich. Journal bearing. 1,505,075; Aug. 12.
Ricardo, Harry R., London, England. Fuel for use in internal-combustion engines. 1,504,837; Aug. 12.
Rice, John A., Berkeley, Calif. Manufacturing forms of cement. 1,504,645; Aug. 12.
Richards, Carroll H., Newton, Mass. Universal joint. 1,504,786; Aug. 12.
Richardson, Edward E., Toledo, assignor to The R. & S. Valve Company, Elyria, Ohio. Engine valve. 1,504,507; Aug. 12.
Richardson, Edward E., Toledo, assignor, by mesne assignments, to The R. & S. Valve Company, Elyria, Ohio. Engine valve. 1,504,508; Aug. 12.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,504,381; Aug. 12.
Richiardi, Cesare. (See Pizzoglio, Ettore, assignor.)
Richter, Harry J., Wilmette, Ill. Regulating valve. 1,504,787; Aug. 12.
Rickard, Ernest W., Hemet, Calif. Can-draining machine. 1,504,838; Aug. 12.
Riley, George J., assignor of one-fourth to E. J. Peterson, Manly, Iowa; one-fourth to W. I. Keller, Stillwater, Minn.; and one-fourth to E. C. Reindl, Manly, Iowa. Diffusing appliance. 1,504,382; Aug. 12.
Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Submarine motor-control system and apparatus. 1,504,577; Aug. 12.
Ring, Eugene E., Minot, N. Dak. Pattern for half-sole blanks. 1,504,975; Aug. 12.
Ringbom, Ossian A., Helsinki, Finland. Apparatus for heating of water. 1,504,839; Aug. 12.
Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zellenople, Pa. Starting valve. 1,504,976; Aug. 12.
Robbins, Ensley, Upland, Calif. Concrete-pipe machine. 1,504,834; Aug. 12.
Robbins, Thomas W., Butte, Mont. Liquid-level indicator. 1,504,978; Aug. 12.
Roberts, James F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor. 1,504,710; Aug. 12.
Robertson, John A., and R. Kroedel, assignors to Eastman Kodak Company, Rochester, N. Y. Film-roll support for cameras. 1,504,977; Aug. 12.
Robeson-Rochester Corporation. (See Rankin, William A., assignor.)
Rockstroh, Max, Klein Sedlitz, near Pirna, Germany. Stiffening of printing presses. 1,504,979; Aug. 12.
Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
Rockwood Sprinkler Company of Massachusetts. (See Park, Halford W., assignor.)
Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer chain. 1,504,840; Aug. 12.
Rodger Ballast Car Company. (See Hoseelt, William J., assignor.)
Roe, Calvin B., assignor to Fostoria Glass Company, Moundsville, W. Va. Sandwich tray or similar article. Des. 65,421; Aug. 12.
Rochrich, Frank N., Jersey City, N. J. Cabinet. 1,504,906; Aug. 12.
Roffmann, Harold R., New York, N. Y. Demountable rim. 1,504,509; Aug. 12.
Rogers, Roy W., Midian, Kans. Stuffing box. 1,504,901; Aug. 12.
Root, William D., Lakewood, assignor, by mesne assignments, to The Guardian Savings and Trust Company, trustee, Cleveland, Ohio. Feeding device for pop-corn machines. 1,504,270; Aug. 12.
Rorison, John C., New York, N. Y. Chart. 1,504,271; Aug. 12.
Rosenbaum, Harry, New York, N. Y. Dishwashing apparatus. 1,504,578; Aug. 12.
Rosenheln, Samuel J., jr., Charleston, Miss. Attachment for crutches. 1,504,902; Aug. 12.
Rosenthal, Isaac, Chicago, Ill. Fender. 1,504,510; Aug. 12.
Rosnosky, George, Allston, Mass., now by judicial change of name G. Ross, Marcel waver. 1,505,061; Aug. 12.
Ross, George. (See Rosnosky, George.)
Ross, Samuel E., Evanston, Ill. Nut lock. 1,504,511; Aug. 12.
Rouge, Joseph A., St. Etienne-les-Remiremont, France. Antiballoon device. 1,504,840; Aug. 12.
Rounsaville, Charlie A., Scottsboro, Ala. Apparatus for destroying insects. 1,504,579; Aug. 12.
Rowe, Bertrand P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mold for switch panels. 1,504,580; Aug. 12.
Rowland, Fred T., and W. H. Le Gresley, Emporia, Kans. Lock for grease-cup plugs. 1,504,512; Aug. 12.
Rowley, James F., Chicago, Ill. Artificial foot. 1,504,903; Aug. 12.
Roxbury, Theodore, Brooklyn, N. Y. Anchor for lower dentures. 1,504,904; Aug. 12.
Royal Worcester Corset Company. (See Spalding, George W., assignor.)
Rubenstein, Julius B., et al. (See Ziperstein, Israel I., assignor.)
Rudolph, John F. (See Kilius, W. C., and Rudolph.)
Ruffcorn, Clarence L., assignor of one-half to T. Costanzo, Omaha, Nebr. Pulley pin. 1,504,905; Aug. 12.
Ruffner, George E., Racine, Wis. Thrust bearing. 1,504,513; Aug. 12.
Ruggiero, Anton, Seattle, Wash. Noodle-forming machine. 1,504,383; Aug. 12.
Rumpel, Carl, Berlin, and H. Schröder, Berlin-Westend, assignors to the Firm of Sommer & Runge, Berlin-Friedenau, Germany. Articulator. 1,504,906; Aug. 12.
Russell, Herbert O., Detroit, Mich., and E. A. Sipp, Dayton, Ohio. Electrical tachometer. 1,504,711; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Control for synchronized guns. 1,504,712; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Flexible-shaft synchronizing gear. 1,504,713; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Machine gun and hopper feed box therefor. 1,504,714; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Bomb-releasing shackle. 1,504,715; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Impulse generator. 1,504,716; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Automatic cocking attachment for machine guns. 1,504,717; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Selective electric control for bomb racks. 1,504,718; Aug. 12.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Flexible gun mount. 1,504,719; Aug. 12.
Ryther, Frank G., Copenhagen, N. Y. Mail box. 1,504,514; Aug. 12.
St. Louis Frog & Switch Company. (See Einstein, Robert E., assignor.)
Salmon, Patrick, et al. (See Gallagher, Joseph C., assignor.)
Sampson, Archibald T., assignor to Sampson Axcess System, Inc., Lynn, Mass. System of electrical installation. 1,505,076; Aug. 12.
Sampson, Archibald T., assignor to Sampson Axcess System, Inc., Lynn, Mass. Threadless coupling for pipes and the like. 1,505,077; Aug. 12.

Sampson Axcess System, Inc. (See Sampson, Archibald T., assignor.)
Sams, Fred V., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Centrifugal short-circuiting and brush-lifting device. 1,504,720; Aug. 12.
Sandell, Henry K., Chicago, Ill. Primary battery. 1,504,788; Aug. 12.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Hammer-rail control. 1,504,789; Aug. 12.
Sandusky, Earl, assignor to The Bailey Fitwell Company, Inc., Los Angeles, Calif. Advertising device. 1,504,907; Aug. 12.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Bottle. Des. 65,422; Aug. 12.
Sanitary Products Corporation of America. (See Mallory, George P., assignor.)
Sato, Ryuji, New York, N. Y. Insole for shoes. 1,504,908; Aug. 12.
Satter, Lew, Wiley, Wash. Wrench. 1,504,909; Aug. 12.
Satterfield, John G. (See Isgrig, George F., assignor.)
Sauveé, Léon, Ridgefield, Conn., and L. Ardin, New York, N. Y. Combined brooder and greenhouse. 1,504,721; Aug. 12.
Scannell, Albert T., Chicago, Ill. Mechanical hoist for trucks. 1,504,515; Aug. 12.
Schall, Myron R., Monte Vista, Colo. Bag swivel. 1,504,910; Aug. 12.
Schiffer, David. (See Radimak, Steven, assignor.)
Schindler-Jenny, Alfred, assignor to the Firm Gallatin & Cie., Leuggelbach, Glarus, Switzerland. Bolus gauze. 1,504,911; Aug. 12.
Schlegel, Charles P., Rochester, N. Y. Buffing wheel 1,504,272; Aug. 12.
Schlicker, Herman C., assignor of one-half to J. R. Freuler, Milwaukee, Wis. Moving-picture projector. 1,504,722; Aug. 12.
Schmechel, Arno, and G. Schubert, Thiensville, Wis. Supporting and driving attachment for motor-driven vehicles. 1,504,516; Aug. 12.
Schmidt, Henry, assignor to Geo. A. Weidman Co., Philadelphia, Pa. Automobile bumper. 1,504,581; Aug. 12.
Schmidt, Henry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-translating device. 1,504,723; Aug. 12.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fuel control. 1,504,724; Aug. 12.
Schmidt, Lambert, Brooklyn, N. Y. Spark plug. 1,504,841; Aug. 12.
Schnebelin, Charles F., Peoria, Ill. Box display cover. 1,504,273; Aug. 12.
Schneider, Friedrich, assignor to the Firm of Carl Zeiss, Jena, Germany. Copying device. 1,504,384; Aug. 12.
Schneider, Fritz, Plauden, Germany. Adjustable cam disk for use in connection with the reciprocating working frames of embroidery machines. 1,504,274; Aug. 12.
Schnitzler, Abraham, Roxbury, Mass. Doorcheck. 1,504,517; Aug. 12.
Schnitzler, Abraham, Boston, Mass. Doorcheck. 1,504,518; Aug. 12.
Schröder, Hermann? (See Rumpel, C., and Schröder.)
Schubert, George. (See Schmechel, A., and Schubert.)
Schultz, John, New Britain, Conn. Electric lamp. 1,504,980; Aug. 12.
Schumacher, Conrad, Lynnbrook, assignor to Auto Strop Co., New York, N. Y. Container. 1,504,725; Aug. 12.
Schwab, Henry, et al. (See Skinner, Charles P., assignor.)
Schwartz, Henry G. (See Lay, Oscar T., assignor.)
Scott, Zalos W., Santa Barbara, Calif. Apparatus for tightening form wires. 1,504,647; Aug. 12.
Scudder, Frederick J., Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,504,275; Aug. 12.
Search, Charles E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lathe. 1,504,519; Aug. 12.
Sears, Mabel H., executrix. (See Sears, Willard T.)
Sears, Willard T., deceased, Montclair, N. J.; M. H. Sears, executrix. Controlling-pedal mechanism. 1,504,842; Aug. 12.
Seidel, Louis H., Lakewood, Ohio. Turbine wheel. 1,504,520; Aug. 12.
Seigle, Adolphe A. F. M., Paris, France. Distilling and gasifying peat and like substances. 1,504,385; Aug. 12.
Selfridge, Duncan I., Strafford, Pa. Oil burner. 1,504,981; Aug. 12.
Senseman, William B., Denver, Colo. Dust collector. 1,504,386; Aug. 12.
Seper, George. (See Brkich, Pero S., assignor.)
Seufert, Herman, Brooklyn, N. Y. Film-feeding mechanism for cinematographs. 1,504,726; Aug. 12.
Seybold, Charles, Dayton, Ohio. Paper-cutting machine. 1,504,521; Aug. 12.
Shackelton, William J., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,504,276; Aug. 12.
Shane, Frederick E., Kansas City, Mo. Tone modifier. 1,504,387; Aug. 12.
Shaner, Harold A., Muncy, Pa. Plow attachment. 1,504,982; Aug. 12.
Shary, Adolph J., Los Angeles, Calif. Smoking set. 1,504,983; Aug. 12.
Shaver, Archibald G., Chicago, Ill., assignor, by mesne assignments, to Regan Safety Devices Company, Incorporated. Train-control system. 1,505,062; Aug. 12.
Sheahan, Edward K., et al. (See Sheahan, William, assignor.)
Sheahan, Joseph W., et al. (See Sheahan, William, assignor.)
Sheahan, Louis M., et al. (See Sheahan, William, assignor.)
Sheahan, William, deceased, Ocean Falls, British Columbia, Canada; L. Tooze, administrator, assignor to J. W. Sheahan, Los Angeles, Calif., M. B. Tooze, Eugene, Oreg., E. K. Sheahan, Los Angeles, Calif., and L. M. Sheahan, Eugene, Oreg. Paper-making machine. 1,504,727; Aug. 12.
Shean Steel Window Co. (See Shean, Thomas P., assignor.)
Shean, Thomas P., assignor to Shean Steel Window Co., Chicago, Ill. Metallic window construction. 1,504,790; Aug. 12.
Shedenheim, Charles H., Fremont, Ohio. Loading device. 1,504,984; Aug. 12.
Sheehan, Michael J., New Bedford, Mass. Ring traveler. 1,504,912; Aug. 12.
Sheller, John N., Danville, Ill. Combined holding and coupling device. 1,504,985; Aug. 12.
Shelor, Frederick L., assignor to International Filler Corporation, Petersburg, Va. Labeling machine. 1,504,388; Aug. 12.
Sherer, William T., Evanston, Ill. Show case. 1,504,522; Aug. 12.
Sherer, William T., Chicago, Ill. Adjustable shelf support. 1,504,523; Aug. 12.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,504,277; Aug. 12.
Shishkoff, Paul, Richmond, assignor to M. E. D. Smith, London, England. Means for maintaining vacua or partial vacua. 1,505,080; Aug. 12.
Shore, William E., New York, N. Y. Electrical plug connecter. 1,504,843; Aug. 12.
Siegel, Henry M., Malden, Mass. Hair waver. 1,504,791; Aug. 12.
Signature Company. (See Crompton, Frank E., assignor.)
Simoncelli, Anselmo, Silverbow, assignor of one-half to D. Girardi, Butte, Mont. Combined hoe, rake, and shovel. 1,504,913; Aug. 12.
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
Sipp, Edward A. (See Russell, H. O., and Sipp.)
Skinner, B. R. (See Bush, Carl, assignor.)
Skinner, Charles P., assignor of one-third to H. Schwab and one-third to J. A. Dunn, Bicknell, Calif. Gripping device. 1,504,648; Aug. 12.
Smal, Firmin, Couthuin, Belgium, and C. Turquois, Paris, France. Control of petrol carburetors for aeroplane and airship engines. 1,504,524; Aug. 12.
Smith, Daniel A., jr., Wilmington, Del. Emergency rim. 1,504,649; Aug. 12.
Smith, Fred H., Houston, Tex. Bushing extractor. 1,504,650; Aug. 12.
Smith, James H., assignor to himself, Workman, Clark & Company Limited, and James Wilkie, Belfast, Ireland. Toothed transmission gearing. 1,504,792; Aug. 12.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,504,793; Aug. 12.
Smith, Margaret E. D. (See Shishkoff, Paul, assignor.)
Smith, William A., assignor of one-half to R. L. Beare, Jackson, Tenn. Governing means for engines. 1,504,278; Aug. 12.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Treating nitrated carbohydrates. 1,504,986; Aug. 12.
Societe Anonyme Adolphe Saurer. (See Eggart, Carl, assignor.)
Societe Anonyme Bavox. (See Voreaux, Paul, assignor.)
Societe Anonyme de Commentry Fourchambault & Decazeville. (See Girin, Pierre, assignor.)
Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers. (See Leblanc, Charles L. A. M., assignor.)
Society of Chemical Industry in Basle. (See De Montmollin, G., and Ronhôte, assignors.)
Society of Chemical Industry in Basle. (See Fritzsche, H., and Reber, assignors.)
Sofge, John W., South Jacksonville, Fla. Lubricant indicator. 1,504,987; Aug. 12.
Sohn, Joseph, New York, N. Y. Lamp pedestal or other similar article. Des. 65,423; Aug. 12.
Solomon, Frank, New York, N. Y. Lining for hats. 1,504,582; Aug. 12.
Sommer & Runge. (See Rumpel, C., and Schröder, assignors.)
Sommerville, James N., Fresno, Calif. Automobile radiator shield. Des. 65,424; Aug. 12.
Spalding, George W., Worcester, Mass., assignor to Royal Worcester Corset Company. Sewing-machine guiding attachment. 1,504,389; Aug. 12.
Speetjens, Hubert, Kensington, London, England. Apparatus for permanently waving the hair. 1,504,988; Aug. 12.

Spicer, Clarence W., Plainfield, assignor to Spicer Mfg Corporation, South Plainfield, N. J. Flexible coupling and roller therefor. 1,504,279; Aug. 12.
Spicer Mfg. Corporation. (See Spicer, Clarence W., assignor.)
Spinney, Frank R., assignor, by mesne assignments, to The Valveless Lubricator Co., Fort Worth, Tex. Valveless lubricator. 1,504,525; Aug. 12.
Spirella Company, The. (See Green, Nathaniel W., assignor.)
Spitzer, Benjamin L., New York, N. Y. Stereoradioscope. 1,504,989; Aug. 12.
Stacy, Charles E., assignor to F. C. Olds, Los Angeles, Calif. Duplex-aperture mouthpiece. 1,504,526; Aug. 12.
Stafford, Joseph W., Atlanta, Ga. Mop wringer. 1,504,990; Aug. 12.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,504,280; Aug. 12.
Stegall, Jack E., Tulsa, Okla. Building construction. 1,504,527; Aug. 12.
Steigleman, Edgar M., Highspire, Pa. Bowling alley. 1,504,390; Aug. 12.
Stenning, William W. (See Broadbridge, W., Edser, and Stenning.)
Stern, Joseph, New York, N. Y. Drying machine. 1,504,991; Aug. 12.
Sterne, Richie H., assignor to Patton Wooden Ware Co. Inc., Seattle, Wash. Ice-cream cabinet. 1,504,844; Aug. 12.
Stewart, Benjamin F., Tuff, Tex. Gate latch. 1,504,992; Aug. 12.
Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)
Stickle, Cole, Indianapolis, Ind. Auxiliary fluid-pressure control. 1,504,845; Aug. 12.
Stoffersen, Linus, Seattle, Wash. Clutch-pedal detent for tractors. 1,504,391; Aug. 12.
Stonemetz, John H., assignor to The Babcock Printing Press Manufacturing Company, New London, Conn. Automatic sheet-feeding device. 1,504,914; Aug. 12.
Straight, Halver R., Adel, Iowa. Device for handling hollow building blocks. 1,504,915; Aug. 12.
Strandrud, Chris L., Seattle, Wash. Steam-fuel feeder. 1,504,528; Aug. 12.
Strauss, Joseph, assignor to A. Kaplan, New York, N. Y. Automobile. 1,504,392; Aug. 12.
Streeter, Noble M. (See Streeter, Oscar J. and N. M.)
Streeter, Oscar J. and N. M., Stockton, Calif. Hydraulic transmission and clutch mechanism. 1,504,583; Aug. 12.
Streib, John F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Brake mechanism. 1,504,281; Aug. 12.
Strickland, William P., Chicago, Ill. Board-filling machine. 1,504,794; Aug. 12.
Stroud, John R., Pass Christian, Miss. Fluid-controlled signal-operating mechanism. 1,504,529; Aug. 12.
Strughold, Peter, St. Louis, Mo. Fuse-clip clamp. 1,504,993; Aug. 12.
Stueland, Harold M., Clarkfield, Minn. Cooling fan for motors. 1,504,651; Aug. 12.
Sumner Iron Works. (See Dorman, George W., assignor.)
Sutton, Harry A., and A. V. Verville, Dayton, Ohio. Cartridge-feeding apparatus for automatic guns. 1,504,393; Aug. 12.
Sutton, Harry A., and C. L. Paulus, Dayton, Ohio. Synchronizing gun control. 1,504,394; Aug. 12.
Swebilius, Carl G., assignor, by mesne assignments, to the Marlin Firearms Corporation, New Haven, Conn. Automatic gun. 1,504,584; Aug. 12.
Sweet, Richard W., Oakland, Calif. Cigar cutter. 1,504,652; Aug. 12.
Swift, William E. (See Quinn D. H., and Swift.)
Symington, T. H., Company, The. (See Wright, Ira O., assignor.)
Taber, Frank S. (See Westfall, Charles S.)
Tackett, James R., Olive Hill, Ky., assignor to General Refractories Company, Philadelphia, Pa. Brick machine. Re15,889; Aug. 12.
Tanner, Harry L., Brooklyn, N. Y. Electromagnetic change-speed system. 1,505,063; Aug. 12.
Taper, Robert T., et al. (See Anderson, George A., assignor.)
Taragnoli, Elvezio, assignor of one-third to R. Jauch and one-third to C. Bertoni, West New York, N. J. System of preventing the theft of motor vehicles. 1,504,282; Aug. 12.
Tarkington, Elvan Y., Indianapolis, Ind. Tomato harvester. 1,504,846; Aug. 12.
Tarr, Nicholas S., Cheltenham, England. C-spanner or wrench for slotted nuts or parts. 1,504,847; Aug. 12.
Taylor, Henry O., and L. C. Brown, Wewoka, Okla. Rotary Engine. 1,504,654; Aug. 12.
Taylor, Edward C., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making annular tubes. 1,504,653; Aug. 12.
Taylor, George F., Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Thermostat. Re15,890; Aug. 12.
Taylor, Herbert B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sequence switch. 1,504,283; Aug. 12.
Taylor, Victor P., Mexico, Mexico, assignor of one-half to C. Jellinek, New York, N. Y. Circuit-control device. 1,504,284; Aug. 12.
Taylor, William H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Load-tightening means. 1,504,285; Aug. 122.
Telber, Edward A., St. Louis, Mo. Bathing suit. 1,504,916; Aug. 12.
Tenuta, Salvatore A., Chicago, Ill. Buckle. 1,504,395; Aug. 12.
Tex, Benjamin. (See Giachetto, J. B., and Tex.)
Tex Engineering Corporation. (See Textorius, Knut O. B., assignor.)
Textorius, Knut O. B., assignor to Tex Engineering Corporation, New York, N. Y. Cord-tire-building machine. 1,504,728; Aug. 12.
Textile Machine Works. (See Janssen, Henry, assignor.)
Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,504,396; Aug. 12.
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control device. 1,504,397; Aug. 12.
Thomas, George C., jr., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical connecting device. Re15,891; Aug. 12.
Thomas, George P., Glenshaw, Pa. Metal-punching machine. 1,504,286; Aug. 12.
Thomas, Lee S., Stockton, Calif. Plow for deep and soft-land plowing. 1,504,585; Aug. 12.
Thomas, Rulif L., Milford, Mo. Expansible egg case and the like. 1,504,530; Aug. 12.
Thompson, Don N., Syracuse, N. Y. Attachment plug. 1,504,655; Aug. 12.
Thompson, Edwin S., Lansdowne, Pa. Valve-actuating mechanism. 1,504,586; Aug. 12.
Thomson, Henry, Perth, Western Australia, and W. R. Oyston, Kensington, near Sydney, New South Wales, Australia; said Oyston assignor to said Thomson. Piano player. 1,504,531; Aug. 12.
Thomson, Henry, Perth, Western Australia, and W. R. Oyston, Kensington, near Sydney, New South Wales, Australia; said Oyston assignor to said Thomson. Piano player. 1,504,532; Aug. 12.
Thorne, Frank S., Portland, Oreg. Fireplace back. 1,505,064; Aug. 12.
Thornton, Albin L., El Paso, Tex. Combined fastening and attaching device. 1,504,398; Aug. 12.
Thortvedt, Goodwin, Glyndon, Minn. Pocket container for smokers' refuse. 1,504,399; Aug. 12.
Thortvedt, Levi, Glyndon, Minn. Loading machine. 1,504,400; Aug. 12.
Thurston, William S., Caldwell, Idaho. Poultry and stock hook. 1,504,287; Aug. 12.
Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
Tobin, Edward M., and E. M. White, Barre, Vt. Dust remover for stone-dressing machinery. 1,504,994; Aug. 12.
Toledo Scale Company. (See Bergen, Harry S., assignor.)
Toledo Scale Company. (See Crane, Samuel G., assignor.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Tooze, Lamar, administrator. (See Sheahan, William.)
Tooze, Marie B., et al. (See Sheahan, William, assignor.)
Trachsel, Louise E., assignor to The King Manufacturing Company, St. Joseph, Mo. Storing device. 1,504,587; Aug. 12.
Trinks, Willibald, Pittsburgh, Pa. Structure and operation of heating furnaces. 1,504,656; Aug. 12.
Trogner, Roland S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-building machine. 1,504,729; Aug. 12.
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Trost, Henry C., El Paso, Tex. Locking means for doors. 1,504,795; Aug. 12.
Trova, Ernest, St. Louis, Mo. Thermostatic control means. 1,504,848; Aug. 12.
Troxel Manufacturing Company, The. (See Waldron, Charles, assignor.)
Trueblood, George L., Berkeley, Calif. Slide-moving apparatus. 1,504,657; Aug. 12.
Trzeciak, Herman, Wakpala, S. Dak. Needle-threading device. 1,504,917; Aug. 12.
Tucker, Frederick, Santa Barbara, Calif. Rotary engine. 1,504,918; Aug. 12.
Tull, William C., and R. J. Bristol, Stanton, Nebr. Combined pliers and wrench. 1,504,401; Aug. 12.
Tunison, Burnell R., New York, N. Y., assignor to U. S. Industrial Alcohol Co. Extracting oils, fats, etc. 1,504,588; Aug. 12.
Turner, Douglas, assignor to The Measuregraph Company, St. Louis, Mo. Cloth-measuring and cost-computing machine. 1,504,796; Aug. 12.
Turquois, Camille. (See Smal, F., and Turquois.)
Tyson, Thomas C., Medford, Mass. Building construction. 1,504,454; Aug. 12.
Udale, Stanley M., assignor to E. Holley, Detroit, Mich. Molding machine. 1,504,455; Aug. 12.
Udylite Process Company, The. (See Wissler, W. A., and Humphries, assignors.)
Ufford, Charles A., Dorchester, Mass. Dress form. 1,504,456; Aug. 12.

Ulmer, Joseph A., Porterville, Calif. Turbine pump. 1,504,658; Aug. 12.
Underwood Typewriter Company. (See Helmond, William P., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Wherry, John A., assignor.)
Union Switch & Signal Company, The. (See Coleman, J. P., and Utne, assignors.)
Union Swith & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United Engineering & Foundry Company. (See Moses, Richard W., assignor.)
U. S. Galvanizing & Plating Equipment Corporation. (See Mujica, José L., assignor.)
U. S. Industrial Alcohol Co. (See Tunison, Burnell R., assignor.)
U. S. Industrial Alcohol Co. (See Whitaker, Milton C., assignor.)
United Textile Print Works, Inc. (See Folk, John, assignor.)
Utne, Per. (See Coleman, J. P., and Utne.)
Vacher, Henri E. J. (See Buelna, G., and Vacher.)
Valveless Lubricator Co., The. (See Carson, Amos H., assignor.)
Valveless Lubricator Co., The. (See Spinney, Frank R., assignor.)
Van Auken, James R., Newark, N. J. Electrical connecter and terminal. 1,504,919; Aug. 12.
Van Haerst, Johan C., Baron van Haersolte. (See Hiby, Walther, assignor.)
Van Mohr, Joseph, San Francisco, Calif. Spring tire. 1,504,797; Aug. 12.
Veazey, John A., Youngstown, Ohio. Car replacer. 1,504,659; Aug. 12.
Vencl, Zdenek, Prague-Smichov, Czechoslovakia. Flap valve. 1,504,288; Aug. 12.
Verville, Alfred V. (See Sutton, H. A., and Verville.)
Vessot, Charles H. and C. U., Ottawa, and G. A. Pilkey, Corunna, Ontario, Canada. Conveying and binding mechanism for flax-pulling machines. 1,504,402; Aug. 12.
Vessot, Charles U. (See Vessot, C. H. and C. U., and Pilkey.)
Vice, R. E., et al. (See Gallagher, Joseph C., assignor.)
Victor Talking Machine Company. (See Wickes, Clarence S., assignor.)
Vlegelmann, Robert, New York, N. Y. Collapsible container. 1,504,920; Aug. 12.
Virden Company, The. (See Pfeifer, Paul J., assignor.)
Voreaux, Paul, assignor to Societe Anonyme Bavox, Paris, France. Suction and delivery pump of the rotary type. 1,504,995; Aug. 12.
Voss, John P., assignor of one-half to V. A. Davidson, Dubach, La. Automatic steam sand drier. 1,504,996; Aug. 12.
Wadge, Thomas, and B. J. Desmond, Winnipeg, Manitoba, Canada. Shocking machine. 1,504,533; Aug. 12.
Waggoner, Oren J. (See Dempsey, W. H., and Waggoner.)
Waggoner, Victor H., et al. (See Anderson, George A., assignor.)
Wagner, John O., Chicago, Ill. Metal frame for screens and the like. 1,504,457; Aug. 12.
Wagner, William G., and H. Cohen, New York, N. Y. Cigar cutter. 1,504,589; Aug. 12.
Wahlberg, Nils J. A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Feed-wire connecter. 1,504,590; Aug. 12.
Wahlert, Ernst H., St. Louis, Mo. Device for grinding and polishing rolls. 1,504,458; Aug. 12.
Waldo, Raymond, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 65,425; Aug. 12.
Waldo, Raymond, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 65,426; Aug. 12.
Waldron, Charles, assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle. 1,504,289; Aug. 12.
Waldron, Charles, assignor to The Troxel Manufacturing Company, Elyria, Ohio. Seat. 1,504,290; Aug. 12.
Walker, Charles L., Aberdeen, Scotland. Minute capillary tubes applicable to temperature sudden-change electric-circuit closers and other instruments. 1,504,997; Aug. 12.
Walker, James B., Dallas, Tex. Pencil-vending machine. 1,504,291; Aug. 12.
Wallace, Charles E. (See Melms, J. J., and Wallace.)
Walmsley, Harold M., Norwood, Ohio, assignor to W. H. Keller, Norton, Va. Electrical resistance. 1,505,072; Aug. 12.
Warren, Stephen R., Dayton, Ohio. Airship-mooring device. 1,504,403; Aug. 12.
Washington, George, Brooklyn, N. Y. Amorphous saccharine powder containing impalpable solids and making the same. 1,504,459; Aug. 12.
Waterbury Button Company. (See Kaynor, Warren F., assignor.)
Watson, Hal W. (See Reed, C. C., and Watson.)
Watson, Luther B., Toledo, Ohio. Lock for folding doors. 1,504,460; Aug. 12.
Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Pavement-finishing machine. 1,504,404; Aug. 12.
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Safety shaft coupling. 1,504,405; Aug. 12.
Webbing & Edging Corporation. (See Jacobs, Joseph, assignor.)
Webster Mfg. Company. (See Anderson, Carl T., assignor.)
Weidnam, Geo. A., Co. (See Schmidt, Henry, assignor.)
Weinberger, William, New York, N. Y. Separable button. 1,504,998; Aug. 12.
Weir, Robert, San Francisco, Calif. Display stand. 1,504,660; Aug. 12.
Wentling, James, et al. (See Wentling, Lester M., assignor.)
Wentling, Lester M., Foxburg, assignor of one-eighth to R. Reichart, Parkers Landing, one-eighth to D. G. Jordan, St. Petersburg, one-eighth to J. Wentling, and one-eighth to A. L. Nevel, Foxburg, and one-fourth to C. E. Harrington, Kittanning, Pa. Attachment for well-drilling tools. 1,504,999; Aug. 12.
Wertheim, Ferd E., Chicago, and A. U. Wetherbee, Evanston, Ill., assignors to W. A. Gilchrist, New York, N. Y. Furnace door. 1,504,661; Aug. 12.
West, John H., Bayswater, and A. Jaques, Waterloo, England. Production of hydrogen or gases rich in hydrogen. 1,505,065; Aug. 12.
Western Electric Company, Incorporated. (See Adams, Arthur H., assignor.)
Western Electric Company, Incorporated. (See Albert, W. P., and Carpenter, assignors.)
Western Electric Company. (See Andrick, Wallace P., assignor.)
Western Electric Company. (See Arnold, Harold D., assignor.)
Western Electric Company. (See Clausen, H. P., and Goodrum, assignors.)
Western Electric Company. (See Elmen, Gustaf W., assignor.)
Western Electric Company. (See Gent, Edgar W., assignor.)
Western Electric Company. (See Gooderham, John W., assignor.)
Western Electric Company. (See Goodrum, C. L., and Hinrichsen, assignors.)
Western Electric Company. (See Matthies, William H., assignor.)
Western Electric Company. (See McQuarrie, J. L., and Bullard, assignors.)
Western Electric Company. (See Mills, Ellis H., assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Scudder, Frederick J., assignor.)
Western Electric Company. (See Shackelton, William J., assignor.)
Western Electric Company. (See Taylor, Herbert B., assignor.)
Western Electric Company. (See White, Charles, assignor.)
Western Electric Company. (See Williams, S. B., jr., and Hinrichsen, assignors.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Westfall, Charles S., and F. S. Taber, Chicago, Ill. Neutral safety pedal attachment. 1,504,798; Aug. 12.
Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cowin, Stuart H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Leo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Garcedon, G. H., and Hansen, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hall, A. J., Mardis, and McIver, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jones, Carl G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kinney, J. Stanley, assignor.)
Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mardis, Paul L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rowe, Bertrand P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)
Westinghouse Lamp Company. (See Whitmore, J. B., and Ferguson, assignors.)
Wetherbee, Ashur U. (See Wertheim, F. E., and Wetherbee.)

Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum feed device. 1,504,799; Aug. 12.
Wheildon, W. M. (See Angier, E. H., and Wheildon.)
Whelan, Michael J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball. 1,504,461; Aug. 12.
Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Combined typewriting and computing machine. 1,504,800; Aug. 12.
Whitaker, Milton C., New York, N. Y., assignor to U. S. Industrial Alcohol Co. Carbonization. 1,504,730; Aug. 12.
White, Charles, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,504,406; Aug. 12.
White, Emmet M. (See Tobin, E. M., and White.)
White, Samuel B., Barrington, R. I. Pay-roll-computing machine. 1,504,801; Aug. 12.
White, Walter C., Pittsburgh, Pa., assignor to International Couplers Co. Flexible pipe joint. 1,504,662; Aug. 12.
Whiting & Davis Company. (See Berkley, Richard H., assignor.)
Whiting, Emmett E., Wabasha, Minn. Film or plate holder. 1,505,000; Aug. 12.
Whitmore, James B., and J. E. Ferguson, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Coil-winding machine. 1,504,849; Aug. 12.
Wickes, Clarence S., Merchantville, N. J., assignor to Victor Talking Machine Company. Packing or shipping box or case. 1,504,292; Aug. 12.
Wiederhold, Henry, New York, N. Y. Cooking utensil. 1,504,921; Aug. 12.
Wiederman, Eugene L. (See Mason, Stewart J., assignor.)
Wigglesworth, Harry H., and H. O. Kaufmann, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,504,731; Aug. 12.
Wilkie, James, et al. (See Smith, James H., assignor.)
Williams, James R., Cleveland, Ohio. Bather's life protector. 1,504,407; Aug. 12.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,253; Aug. 12.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,293; Aug. 12.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,504,297; Aug. 12.
Williams, Samuel B., jr., Brooklyn, and E. E. Hinrichsen, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,504,294; Aug. 12.
Williams, Samuel B., jr., Brooklyn, N. Y., and E. E. Hinrichsen, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,504,296; Aug. 12.
Wilson, James, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Liquid cooler. 1,504,732; Aug. 12.
Wimson, Carl, New York, N. Y. Rotary baking machine. 1,505,001; Aug. 12.
Wine, William E., Toledo, Ohio. Freight-car ventilator. 1,504,922; Aug. 12.
Winnie, Helen C., Chicago, Ill. Ice-cream cone. Des. 65,427; Aug. 12.
Wissler, William A., and C. H. Humphries, assignors to The Udylite Process Company, Kokomo, Ind. Rust-proofing by coating with cadmium. 1,504,298; Aug. 12.
Woerth, Henry F., Columbus, Nebr. Straightedge machine. 1,504,408; Aug. 12.
Wolbert, Harry H. (See Laycock, W. A., Farrar, and Wolbert.)
Wolf, Clyde M., Aberdeen, Saskatchewan, Canada. Snap. 1,504,802; Aug. 12.
Wolf, Otto R. (See Yetter, J. C., and Wolf.)
Wolfe, John M., Oil City, Pa. Oil-well pumping jack. 1,504,299; Aug. 12.
Wood, Joseph E. (See Moore, W. G., and Wood.)
Woodruff, Trumon N., Lowgap, N. C. Treating galax leaves. 1,504,850; Aug. 12.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Woolverton, Robert B., Washington, D. C. Transmission of radiosignals employing undamped waves. 1,504,462; Aug. 12.
Workman Clark & Company Limited et al. (See Smith, James H., assignor.)
Wren, John J., Chicago, Ill. Device for washing vehicles. 1,504,851; Aug. 12.
Wright, Ira O., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Draft rigging. 1,504,591; Aug. 12.
Wright, Orville, and J. M. H. Jacobs, assignors to Dayton-Wright Company, Dayton, Ohio. Airplane. 1,504,663; Aug. 12.
Wright, Thomas B., Cincinnati, Ohio. Receptacle. 1,504,300; Aug. 12.
Wright, Wilson W., Downey, Calif. Rotary drill bit. 1,504,852; Aug. 12.
Yetter, John C., Chicago, and O. R. Wolf, River Forest, Ill. Printing machine. 1,504,409; Aug. 12.
Young, Fred M., Racine, Wis. Radiator suspension structure. 1,504,803; Aug. 12.
Youngquist, John E., Sterling, Colo. Crossing signal. 1,504,592; Aug. 12.
Ziehlke, Max, and A. J. Leuwer, Linton, N. Dak. Direction signal. 1,504,853; Aug. 12.
Zelp, John H. E., St. Louis, Mo. Hat or napkin holder. 1,504,410; Aug. 12.
Zeiss, Firm of Carl. (See Badersfeld, Walther, assignor.)
Zeiss, Firm of Carl. (See Schneider, Friedrich, assignor.)
Zint, George, Wapakoneta, Ohio. Railway signal switch. 1,505,002; Aug. 12.
Zint, George, Wapakoneta, Ohio. Contact-mounting means. 1,505,003; Aug. 12.
Ziperstein, Israel I., Chicago, Ill., assignor of twenty per cent to J. B. Rubenstein and five per cent to J. S. Guthman. Aeronautical device. 1,504,534; Aug. 12.
Ziska, Adam, jr., Milwaukee, Wis. Match holder. 1,504,593; Aug. 12.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive compound. J. A. Menard. 1,504,697; Aug. 12.
Accelerator control. J. J. Elster. 1,504,466; Aug. 12.
Acid in nickel-containing solutions, Determining boric. E. M. Baker. 1,504,207; Aug. 12.
Advertising device. L. H. Atwell. 1,504,413; Aug. 12.
Advertising device. C. W. Hales. 1,504,552; Aug. 12.
Advertising device. C. H. Hays. 1,504,758; Aug. 12.
Advertising device. E. Sandusky. 1,504,907; Aug. 12.
Advertising machine. A. E. Gallin and A. P. Kachis. 1,504,440; Aug. 12.
Aeronautical device. I. I. Ziperstein. 1,504,534; Aug. 12.
Aeroplane and airship engines, Control of petrol carburetors for. F. Smal and C. Turquois. 1,504,524; Aug. 12.
Aeroplanes, Starting device for. H. Knipfer. 1,504,766; Aug. 12.
Agglomerating materials, Method and apparatus for. C. L. Colbert. 1,504,324; Aug. 12.
Agitator, Feeding. E. R. Draver. 1,504,543; Aug. 12.
Air brake. G. A. Anderson. 1,504,536; Aug. 12.
Aircraft. A. L. McKelvey. 1,504,895; Aug. 12.
Aircraft balancing system. W. S. Ferdon. 1,504,467; Aug. 12.
Aircraft, Method of and apparatus for indicating the altitude of. J. N. Reynolds. 1,504,785; Aug. 12.
Air exhauster for dry-pipe systems. H. G. Carlson. 1,504,811; Aug. 12.
Airplane. O. Wright and J. M. H. Jacobs. 1,504,663; Aug. 12.
Airplanes and airships, Automatic firing gear for. P. R. L. A. Carmier. 1,504,676; Aug. 12.
Airship-mooring device. S. R. Warren. 1,504,403; Aug. 12.
Alarm systems, Automatic device for draining variable-pressure. H. W. Park. 1,504,831; Aug. 12.
Alkali-metal salts by aqueous solution of ammonia, Separation of. C. E. Dolbear. 1,505,078; Aug. 12.
Alloy. P. Girin. 1,504,338; Aug. 12.
Anchor for lower dentures. T. Roxbury. 1,504,904; Aug. 12.
Anchor means, Ground-. D. H. Quinn and W. E. Swift. 1,504,899; Aug. 12.
Antiballoon device. J. A. Rouge. 1,504,840; Aug. 12.
Antiskid chain. F. M. Nims. 1,504,965; Aug. 12.
Armature-winding machine. C. M. McCord. 1,504,253; Aug. 12.
Articulator. C. Rumpel and H. Schröder. 1,504,906; Aug. 12.
Auto hood lock. C. Bober. 1,504,539; Aug. 12.
Auto hoods, Clamp-lock combination for. C. A. Bober. 1,504,540; Aug. 12.
Automobile. J. Strauss. 1,504,392; Aug. 12.
Automobile attachment for holding certificates or the like. A. T. Ferguson. 1,504,613; Aug. 12.
Automobile brake. W. Mulloy. 1,504,368; Aug. 12.
Automobile bumper. A. Klug. 1,505,033; Aug. 12.
Automobile bumper. H. Schmidt. 1,504,581; Aug. 12.
Automobile bumper, Faceplate for an. W. G. Cox. Des. 65,397; Aug. 12.
Automobile curtain windows, Frame for. J. C. Kamp. 1,504,954; Aug. 12.
Automobile door. M. Leff. 1,504,562; Aug. 12.
Automobile door handle. R. Marple. Des. 65,415–6; Aug. 12.
Automobile radiator shield. J. N. Sommerville. Des. 65,424; Aug. 12.
Automobile transmission lock. G. A. Gillen. 1,504,470; Aug. 12.
Automobiles, Cleaning device for. J. W. Carrington. 1,504,868; Aug. 12.
Automobiles, Means for locking. H. Degen. 1,504,220; Aug. 12.
Automobiles, tractors, cars, and like vehicles, Armored body for. C. A. Gibbs. 1,504,949; Aug. 12.
Ax. J. E. Rayburn. 1,504,644; Aug. 12.
Bag: *See*—
  Hand bag.
Bag swivel. M. R. Schall. 1,504,910; Aug. 12.
Baking machine, Rotary. C. Wimson. 1,505,001; Aug. 12.
Ball: *See*—
  Bowling ball.
Banding-machine attachment. E. C. Karlson. 1,505,028; Aug. 12.

Bank, Savings. C. Fisher. 1,504,750; Aug. 12.
Bar: *See*—
  Metal bar. Stop bar.
Barges, Apparatus for loading. L. Llewellyn. 1,504,960; Aug. 12.
Barrel closure. A. Brechak. 1,504,735; Aug. 12.
Base-exchanging substances, Apparatus for. O. Edelstein. 1,504,329; Aug. 12.
Bathing suit. E. A. Telber. 1,504,916; Aug. 12.
Battery: *See*—
  Primary battery. Storage battery.
Bearing. E. H. Brown. 1,504,738; Aug. 12.
Bearing. S. H. Cowin. 1,504,608; Aug. 12.
Bearing brass for top rolls and supports therfor. I. S. Gemas. 1,504,442; Aug. 12.
Bearing, Thrust. S. E. Armstrong and E. J. Goyette. 1,504,309; Aug. 12.
Bearing, Thrust. G. E. Ruffner. 1,504,513; Aug. 12.
Bed, Sofa. C. Hultgren. 1,504,762–3; Aug. 12.
Bedstead construction. H. Brotherton, jr., and H. S. Nettleton. 1,504,807; Aug. 12.
Beet-harvesting machine. F. W. Knowles. 1,504,484; Aug. 12.
Bench plate. E. L. Binkley. 1,504,429; Aug. 12.
Billiard cues, Tip for. T. H. Prosser. 1,504,833; Aug. 12.
Binder attachment. W. E. Laminack. 1,504,768; Aug. 12.
Binder board. F. E. Crompton. 1,504,610; Aug. 12.
Binders, Shocker attachment for. M. P. King. 1,504,956; Aug. 12.
Bit: *See*—
  Drill bit.
Blood, Preparation of commercial products from. F. W. V. Fitzgerald. 1,504,225; Aug. 12.
Board: *See*—
  Binder board.
Board-filling machine. W. P. Strickland. 1,504,794; Aug. 12.
Board support, Panel-. G. W. Hyser. 1,504,478; Aug. 12.
Bobbin. R. Burgess. 1,504,809; Aug. 12.
Bobbin winder. C. H. Greenwood. 1,504,950; Aug. 12.
Boiler: *See*—
  Electrically-heated boiler.
Boiler. R. Anderson. 1,504,924; Aug. 12.
Boll-weevil gatherer and destroyer. G. W. Holmes. 1,504,474; Aug. 12.
Bolster casing. H. G. Carlson. 1,504,812; Aug. 12.
Bolt: *See*—
  Lubricating bolt.
Bolus gauze. A. Schindler-Jenny. 1,504,911; Aug. 12.
Bomb racks, Selective electric control for. H. O. Russell and C. L. Paulus. 1,504,718; Aug. 12.
Bomb-releasing shackle. H. O. Russell and C. L. Paulus. 1,504,715; Aug. 12.
Bombs, Means for releasing. W. G. McNeill and H. H. Blackledge. 1,504,362; Aug. 12.
Boring machines, Auger-supporting mechanism for earth-. G. R. Gehrandt. 1,504,441; Aug. 12.
Bottle. G. N. Mas. Des. 65,417; Aug. 12.
Bottle. A. J. Sanford. Des. 65,422; Aug. 12.
Bottle, Milk. W. C. Hattes. 1,504,473; Aug. 12.
Bottle stopper. A. Y. S. Album. 1,504,664; Aug. 12.
Bowling alley. E. M. Steigleman. 1,504,390; Aug. 12.
Bowling ball. M. J. Whelan. 1,504,461; Aug. 12.
Box: *See*—
  Mail box. Packing box.
  Match and toothpick box. Stuffing box.
  Meter box. Theftproof box.
Box blank, Collapsible-. F. L. Dyer. 1,504,222; Aug. 12.
Box blanks, Apparatus for making. B. E. Hill. 1,504,891; Aug. 12.
Box display cover. C. F. Schnebelin. 1,504,273; Aug. 12.
Box front. M. H. Connor. Des. 65,394–6; Aug. 12.
Bracket: *See*—
  Curtain bracket. Wall bracket.
Brake: *See*—
  Air brake. Elevator brake.
  Automobile brake. Fluid-pressure brake.
Brake. C. E. Archer. 1,504,308; Aug. 12.
Brake mechanism. J. F. Streib. 1,504,281; Aug. 12.
Brassière hook. N. W. Green. 1,504,234; Aug. 12.
Brick machine. G. C. Adams. 1,504,302; Aug. 12.
Brick machine. J. R. Tackett. Re15,889; Aug. 12.

Brickwork, Lintel and other structure of reenforced. C. L. Cummings. 1,504,816; Aug. 12.
Bridge-planking detacher and replacer. B. J. Hastings. 1,504,757; Aug. 12.
Briquettes, Production of. W. Broadbridge, E. Elser, and W. W. Stenning. 1,504,860–1; Aug. 12.
Brooder and greenhouse, Combined. L. Sauveé and L. Ardin. 1,504,721; Aug. 12.
Brush. W. Grumbacker. 1,504,887; Aug. 12.
Brush. F. H. Mayhood. 1,504,365; Aug. 12.
Brush, Magazine. S. Radimak. 1,504,783; Aug. 12.
Brush manufacture. L. H. Nielsen. 1,504,575; Aug. 12.
Bucket, Dredge. A. E. Brau. 1,504,471; Aug. 12.
Buckle. S. A. Tenuta. 1,504,395; Aug. 12.
Buffing wheel. C. P. Schlegel. 1,504,272; Aug. 12.
Building blocks, Device for handling hollow. H. R. Straight. 1,504,915; Aug. 12.
Building construction. J. E. Stegall. 1,504,527; Aug. 12.
Building construction. T. C. Tyson. 1,504,454; Aug. 12.
Bumper. H. S. Jandus. 1,505,027; Aug. 12.
Bumper. C. C. Reed and H. W. Watson. 1,504,505; Aug. 12.
Bumper-bar clamp. R. A. Flum and G. R. Reed. 1,504,947; Aug. 12.
Bumper, Pneumatic. W. G. Moore and J. E. Wood. 1,504,828; Aug. 12.
Burner: *See*—
  Liquid-fuel burner. Oil burner.
Bushing extractor. F. H. Smith. 1,504,650; Aug. 12.
Butter working and print machine. C. and H. H. Doering. 1,504,221; Aug. 12.
Button, Cap. W. F. Kaynor. 1,504,955; Aug. 12.
Button, Separable. J. V. Pilcher and J. F. Babbitt. 1,504,376; Aug. 12.
Button, Separable. W. Weinberger. 1,504,998; Aug. 12.
C spanner or wrench for slotted nuts or parts. N. S. Tarr. 1,504,847; Aug. 12.
Cabinet. F. N. Roehrich. 1,504,900; Aug. 12.
Cabinet, Display. A. Braunstein. 1,504,933; Aug. 12.
Cabinet, Display. F. Pfous. Des. 65,420; Aug. 12.
Cabinet for pens and pencils, Display. W. P. De Witt. 1,504,747; Aug. 12.
Cable, Wire. C. L. Lilleberg. 1,504,630; Aug. 12.
Calculating machine. R. G. C. Boa. 1,504,858; Aug. 12.
Cam dish for use in connection with the reciprocating working frames of embroidery machines, Adjustable. F. Schneider. 1,504,274; Aug. 12.
Camera back. R. Kroedel. 1,504,485; Aug. 12.
Camera, Photographic. A. Hayward. 1,504,821; Aug. 12.
Camera, Photographic. E. Leschbrandt. 1,504,959; Aug. 12.
Cameras, Film-roll support for. J. A. Robertson and R. Kroedel. 1,504,977; Aug. 12.
Can: *See*—
  Carbide can. Garbage can.
Can-draining machine. E. W. Rickard. 1,504,838; Aug. 12.
Car construction, Dump-. W. J. Hoscelt. 1,504,243; Aug. 12.
Car-control device, Safety. F. B. Thomas. 1,504,397; Aug. 12.
Car door. P. M. Griffin. 1,504,687; Aug. 12.
Car, Dump. D. Hindahl. 1,504,239; Aug. 12.
Car, Railway motor. C. H. de La Monte. 1,504,327; Aug. 12.
Car replacer. J. A. Veazey. 1,504,659; Aug. 12.
Car step. J. Dunlap, jr. 1,505,015; Aug. 12.
Car ventilator, Freight-. W. E. Wine. 1,504,922; Aug. 12.
Cars, Automatic street indicator for railway. E. D. Pyley. 1,504,378; Aug. 12.
Carbide can. M. Lutenberger. 1,504,962; Aug. 12.
Carbohydrates, Treating nitrated. W. O. Snelling. 1,504,986; Aug. 12.
Carbonization. M. C. Whitaker. 1,504,730; Aug. 12.
Card frame, Insert. M. M. Larsen. 1,504,826; Aug. 12.
Carpet beater. N. J. Bishop. 1,504,320; Aug. 12.
Carrier: *See*—
  Log carrier. Trace carrier.
Case: *See*—
  Show case.
Cash register. F. L. Fuller. 1,504,226; Aug. 12.
Cash register. B. M. Shipley. 1,504,277; Aug. 12.
Casing elevator. G. Krell. 1,504,355; Aug. 12.
Casts, Means for making. E. Hess. 1,504,822; Aug. 12.
Cellulose ether and making same. L. Lilienfeld. 1,505,043; Aug. 12.
Cellulose-ether compound and making the same, Insoluble. L. Lilienfeld. 1,505,044; Aug. 12.
Cement clinkers, Burning. S. B. Newberry. 1,504,702; Aug. 12.
Cement, Manufacturing forms of. J. A. Rice. 1,504,645; Aug. 12.
Cement, Process and apparatus for making. S. B. Newberry. 1,504,701; Aug. 12.
Chain, Conveyer. G. R. Roddy. 1,504,646; Aug. 12.
Chair. G. H. Hamilton and F. J. Blakslee. 1,504,447; Aug. 12.
Chair. F. Koenigkramer. Des. 65,412; Aug. 12.
Change-speed system, Electromagnetic. H. L. Tanner. 1,505,063; Aug. 12.
Charge-forming device. C. Hallauer. 1,504,554; Aug. 12.
Chart. J. C. Rorison. 1,504,271; Aug. 12.
Check or the like. W. T. Payton. 1,504,780; Aug. 12.
Cigar cutter. R. W. Sweet. 1,504,652; Aug. 12.
Cigar cutter. W. G. Wagner and H. Cohen. 1,504,589; Aug. 12.
Cigar or cigarette box, Match-holding. B. Lebwohl. 1,504,357; Aug. 12.
Cinematograph, Exposure. W. Bauersfeld. 1,504,314; Aug. 12.
Cinematographs, Film-feeding mechanism for. H. Seufert. 1,504,726; Aug. 12.
Circuit-continuing device. H. A. Douglas. 1,504,463; Aug. 12.
Circuit-control device. V. P. Taylor. 1,504,284; Aug. 12.
Circuit maker and breaker. W. A. Laycock, J. C. Farrar, and H. H. Wolbert. 1,505,041; Aug. 12.
Clamp: *See*—
  Bumper-bar clamp. Rim and tire clamp.
  Fuse-clip clamp.
Clasp. H. Hubbell. 1,504,761; Aug. 12.
Closet-seat cover, Sanitary. A. J. Lahmer. 1,505,067; Aug. 12.
Cloth-measuring and cost-computing machine. D. Turner. 1,504,796; Aug. 12.
Coal-distilling apparatus. W. F. Nagel. 1,505,057; Aug. 12.
Coat and muffler, Combined. L. Buchalter. 1,504,935; Aug. 12.
Coffee machine for the preparation of instantaneous coffee. E. Pizzoglio. 1,504,500; Aug. 12.
Coil-winding machine. J. B. Whitmore and J. E. Ferguson. 1,504,849; Aug. 12.
Collapsible table. T. J. Ormerod. 1,504,371; Aug. 12.
Colter, Rocking. W. L. Paul. 1,504,373; Aug. 12.
Comminuting mill. R. C. Newhouse. 1,504,777–8; Aug. 12.
Commutator rollers, Mounting for. E. J. Brosman. 1,504,601; Aug. 12.
Composite structure. M. Borsodi. 1,504,805; Aug. 12.
Compressor, Tube. F. S. Hyatt. 1,504,246; Aug. 12.
Computing device. A. Lobato. 1,504,632; Aug. 12.
Computing machine, Pay-roll-. S. B. White. 1,504,801; Aug. 12.
Concentrator. A. H. Stebbins. 1,504,280; Aug. 12.
Concrete construction, Form for. C. Nelson and J. L. Monten. 1,504,264; Aug. 12.
Concrete-pipe machine. E. Robbins. 1,504,834; Aug. 12.
Conduit mold. T. De La Mare. 1,505,004; Aug. 12.
Confectionery machines, Feeding mechanism for. A. L. Bausman. 1,504,666; Aug. 12.
Contact-mounting means. G. Zint. 1,505,003; Aug. 12.
Container. C. Schumacher. 1,504,725; Aug. 12.
Container, Collapsible. R. Vlegelmann. 1,504,920; Aug. 12.
Control system. L. W. Chubb. 1,504,604; Aug. 12.
Control system. A. J. Hall, P. L. Mardis, and A. McIver. 1,504,553; Aug. 12.
Conveyer switch device, Automatic selective. S. Olson. 1,504,705; Aug. 12.
Conveying machine. W. J. Gibbs. 1,504,886; Aug. 12.
Cooking device, Automatic. W. E. Curtis. 1,504,546; Aug. 12.
Cooking utensil. H. Wiederhold. 1,504,921; Aug. 12.
Cooler: *See*—
  Liquid cooler.
Copying device. F. Schneider. 1,504,384; Aug. 12.
Core-box cutter. C. E. Peterson. 1,504,499; Aug. 12.
Counting-wheel carry mechanism. G. C. Chase. 1,504,741; Aug. 12.
Coupling: *See*—
  Flexible coupling. Shaft coupling.
  Locked coupling.
Coupling for pipes and the like, Threadless. A. T. Sampson. 1,505,077; Aug. 12.
Crank shaft. R. Hildebrand. 1,504,238; Aug. 12.
Crosshead pins, Lubricating device for. H. A. Hoke. 1,504,349; Aug. 12.
Crossing signal. J. E. Youngquist. 1,504,592; Aug. 12.
Crossing signal, Grade-. J. P. Coleman and P. Utne. 1,504,606; Aug. 12.
Crushing machine. C. T. Anderson. 1,504,412; Aug. 12.
Crutch attachment. S. J. Rosenhein, jr. 1,504,902; Aug. 12.
Cuff construction. A. A. Fournier. Re15,892; Aug. 12.
Culinary apparatus. M. Pouget. 1,504,832; Aug. 12.
Cup. M. A. Haley. Des. 65,408; Aug. 12.
Curtain bracket. M. M. Larsen. 1,504,825; Aug. 12.
Curtain fastener, Vehicle. R. D. Lane. 1,504,486; Aug. 12.
Curtain rod. T. F. Byron. 1,504,810; Aug. 12.
Cutter: *See*—
  Cigar cutter. Lawn or hedge cutter.
  Core-box cutter. Stump cutter.
Cutting device. W. Haas. 1,504,688; Aug. 12.
Decalcomania transferring machine. G. Chadwick. 1,504,545; Aug. 12.
Decorated box. G. Dorros. Des. 65,398–400; Aug. 12.
Desks or tables, Drawer unit for. K. S. Hall. 1,504,446; Aug. 12.
Diamonds, Machine for cutting. E. F. A. C. Leperre. 1,504,358; Aug. 12.
Die: *See*—
  Fork die. Molding die.
Diffusing appliance. G. J. Riley. 1,504,382; Aug. 12.
Direction signal. M. Ziehlke and A. J. Leuwer. 1,504,853; Aug. 12.
Dish rinser. T. McGill. 1,504,827; Aug. 12.

Disk clutch reverser. D. C. Klausmeyer. 1,505,074; Aug. 12.
Dispensing display. J. Fazio. 1,504,883; Aug. 12.
Display device. A. Dietsche, jr. 1,504,873; Aug. 12.
Display device, Ornamental. D. Haslup. 1,505,021; Aug. 12.
Display folder, Garment-. J. H. Powell. 1,504,502; Aug. 12.
Display stand. R. Weir. 1,504,660; Aug. 12.
Dishwashing apparatus. H. Rosenbaum. 1,504,578; Aug. 12.
Domestic appliance. E. Dickey and R. L. Lee. 1,504,678; Aug. 12.
Doorcheck. A. Schnitzler. 1,504,517–18; Aug. 12.
Door mechanism. R. S. Ramsey. 1,504,503; Aug. 12.
Door stop and door closer. W. P. Dorl. 1,504,748; Aug. 12.
Door-supporting mechanism. F. E. Miller. 1,504,572; Aug. 12.
Doors, Locking means for. H. C. Trost. 1,504,795; Aug. 12.
Draft rigging. I. O. Wright. 1,504,591; Aug. 12.
Drain protector. L. E. Graham. 1,504,233; Aug. 12.
Drawer. P. Antonio. 1,504,925; Aug. 12.
Dress form. C. A. Ufford. 1,504,456; Aug. 12.
Drier: *See*—
Sand drier.
Drier. D. S. Baker. 1,504,854; Aug. 12.
Drill bit, Rotary. W. W. Wright. 1,504,852; Aug. 12.
Drilling and grinding machine, Combined. C. Jackson. 1,504,892; Aug. 12.
Drilling and pumping apparatus, Shock-absorbing device for. R. C. Mason. 1,504,490; Aug. 12.
Drilling tools, Attachment for well-. L. M. Wentling. 1,504,999; Aug. 12.
Drinking vessels, Cover for. H. C. Pomeroy. 1,504,898; Aug. 12.
Driving and braking mechanism. G. G. Bush. 1,504,210; Aug. 12.
Driving mechanism. G. J. Fitzpatrick. 1,504,681; Aug. 12.
Drying machine. J. Stern. 1,504,991; Aug. 12.
Drying machine. H. H. Wigglesworth and H. O. Kaufmann. 1,504,731; Aug. 12.
Duplicating machine. M. P. Murphy. 1,504,896; Aug. 12.
Dust collector. W. B. Senseman. 1,504,386; Aug. 12.
Dyestuffs and manufacture of same, Azo. H. Fritzsche and E. Reber. 1,504,469; Aug. 12.
Dyestuffs, making same, and their application. G. de Montmollin and G. Bonhôte. 1,504,437; Aug. 12.
Earthenware articles, Press for the manufacture of hollow. E. W. Leigh. 1,505,042; Aug. 12.
Egg case and the like, Expansible. R. L. Thomas. 1,504,530; Aug. 12.
Electric-circuit closers and other instruments, Minute capillary tube applicable to temperature sudden-change. C. L. Walker. 1,504,997; Aug. 12.
Electric distributing system. G. A. Cardwell. 1,504,542; Aug. 12.
Electric heater for water-circulating systems. R. K. Peck. 1,504,266; Aug. 12.
Electric machine, Dynamo-. N. R. Haas. 1,504,551; Aug. 12.
Electric networks, Safety system for. M. Höchstädter. 1,504,691; Aug. 12.
Electrical connecter and terminal. J. R. Van Auken. 1,504,919; Aug. 12.
Electrical connecting device. G. C. Thomas, jr. Re15,891; Aug. 12.
Electrical installation, System of. A. T. Sampson. 1,505,076; Aug. 12.
Electrical plug connecter. W. E. Shore. 1,504,843; Aug. 12.
Electrical protective device. P. MacGahan. 1,504,568; Aug. 12.
Electrical resistance. H. M. Walmsley. 1,505,072; Aug. 12.
Electrical system of distribution. R. E. Hellmund. 1,504,621; Aug. 12.
Electrically-heated boiler. P. Bergeon. 1,504,928; Aug. 12.
Electrolytic cell. I. H. Levin. 1,504,359; Aug. 12.
Electric plating apparatus. J. L. Mujica. 1,504,700; Aug. 12.
Elevator: *See*—
Casing elevator. Well-tubing elevator.
Portable elevator.
Elevator brake. J. W. Brown and A. J. Nicht, jr. 1,504,739; Aug. 12.
Engine: *See*—
Internal-combustion engine. Rotary engine.
Engine-repair stand. V. Blaszcyk. 1,504,931; Aug. 12.
Engine valve. E. E. Richardson, 1,504,507–8; Aug. 12.
Engines, Air heater for internal-combustion. V. J. Ludwick. 1,504,961; Aug. 12.
Engines, Fuel mixer for internal-combustion. C. G. Pyrts. 1,504,973; Aug. 12.
Engines, Fuel-supply means for internal-combustion. J. M. Nelson. 1,504,642; Aug. 12.
Engines, Governing means for. W. A. Smith. 1,504,278; Aug. 12.
Envelope, Safety. J. Poziomek. 1,504,972; Aug. 12.
Explosions in mines, Method of and means for extinguishing or smothering. H. Kruskopf. 1,504,824; Aug. 12.
Extractor: *See*—
Bushing extractor.
Fabric and apparatus therefor, Manufacturing bias. F. J. MacDonald. 1,504,255; Aug. 12.
Farm gate. O. T. Lay. 1,505,039. Aug. 12.
Fastener, Self-ejecting. J. F. Hench. 1,505,023; Aug. 12.
Fastening and attaching device, Combined. A. L. Thornton. 1,504,398; Aug. 12.
Faucet. L. J. Hulla. 1,504,623; Aug. 12.
Faucet. E. C. Petcher. 1,504,498; Aug. 12.
Feeder, Chicken. O. M. Bennett. 1,504,667; Aug. 12.
Fencepost. A. M. Parsons. 1,504,494; Aug. 12.
Fender. I. Rosenthal. 1,504,510; Aug. 12.
Film or plate holder. E. E. Whiting. 1,505,000; Aug. 12.
Fireplace back. F. S. Thorne. 1,505,064; Aug. 12.
Fishing float. D. Garst. 1,504,884; Aug. 12.
Flag. P. D. La Rose. Des. 65,414; Aug. 12.
Flax-pulling machines, Conveying and binding mechanism for. C. H. and C. U. Vessot and G. A. Pilkey. 1,504,402; Aug. 12.
Flexible coupling. G. F. Eckart. 1,504,749; Aug. 12.
Flexible coupling. J. S. Kinney. 1,504,626; Aug. 12.
Flexible coupling and rollers therefor. C. W. Spicer. 1,504,279; Aug. 12.
Flow indicator. W. H. Lieber. 1,504,770; Aug. 12.
Flue stopper. O. G. Byers. 1,504,428; Aug. 12.
Fluid-controlled signal-operating mechanism. J. B. Stroud. 1,504,529; Aug. 12.
Fluid-pressure brake. F. R. Thomas. 1,504,396; Aug. 12.
Fluid-pressure control, Auxiliary. C. Stickle. 1,504,845; Aug. 12.
Fluid-translating device. H. F. Schmidt. 1,504,723; Aug. 12.
Flying machines to ribs or such like, Fastening the coving of planes of. A. H. G. Fokker. 1,504,817; Aug. 12.
Forging, Die. E. E. Johnson. 1,504,764; Aug. 12.
Foot, Artificial. J. F. Rowley. 1,504,903; Aug. 12.
Fork dies. G. P. Mallory. 1,504,771; Aug. 12.
Fountain gumming machine. H. C. Brooks. 1,504,862; Aug. 12.
Frame: *See*—
Card frame.
Frog, Flange. R. E. Einstein. 1,504,330; Aug. 12.
Frog, Flange. R. E. Einstein. 1,504,332; Aug. 12.
Fuel control. H. F. Schmidt. 1,504,724; Aug. 12.
Fuel feeder, Steam-. C. L. Strandrud. 1,504,528; Aug. 12.
Fuel-feeding device, Vacuum. E. L. Hoffman. 1,504,345; Aug. 12.
Fuel for use in internal-combustion engines, H. R. Ricardo. 1,504,837; Aug. 12.
Fuel, Gaseous. J. Harris. 1,504,557; Aug. 12.
Fulcrum support. H. O. Hem. 1,504,559; Aug. 12.
Furnace: *See*—
Hot-air furnace.
Furnace. N. E. Maccallum. 1,504,566; Aug. 12.
Furnace. J. T. McTarnahan. 1,504,835; Aug. 12.
Furnace door. F. E. Wertheim and A. U. Wetherbee. 1,504,661; Aug. 12.
Furnaces, Structure and operation of heating. W. Trinks. 1,504,656; Aug. 12.
Fuse-clip clamp. P. Strughold. 1,504,993; Aug. 12.
Galax leaves, Treating. T. N. Woodruff. 1,504,850; Aug. 12.
Game apparatus. W. H. Clausen. 1,504,605; Aug. 12.
Game apparatus. H. Fraser. 1,505,071; Aug. 12.
Game, Educational. J. H. Deen. 1,505,010; Aug. 12.
Garbage can, Combination. A. G. Duncan. 1,505,014; Aug. 12.
Garment. D. Millhauser. 1,505,053; Aug. 12.
Garment, Two-part. H. Klein. 1,504,249; Aug. 12.
Garter. T. Cahn. 1,504,866; Aug. 12.
Gas analysis. J. C. Peters, jr. 1,504,707; Aug. 12.
Gas, Purifying. J. Jannek. 1,504,624; Aug. 12.
Gasket. A. L. Fisher. 1,504,335; Aug. 12.
Gasoline tanks, Signal for. C. Di Pietro and D. M. Colucci. 1,504,874; Aug. 12.
Gate: *See*—
Farm gate.
Gauge: *See*—
Shaving gauge. Shingling gauge.
Gauge. R. V. Fusco. 1,504,683; Aug. 12.
Gear-cutting machine. C. A. Parsons and S. S. Cook. 1,504,372; Aug. 12.
Gear, Flexible-shaft synchronizing. H. O. Russell and C. L. Paulus. 1,504,713; Aug. 12.
Gear-generating machine. E. R. Fellows. 1,504,223; Aug. 12.
Gear mechanism, Transmission-. T. T. Burchell. 1,504,936; Aug. 12.
Gear wheel. A. J. Bastian. 1,504,596; Aug. 12.
Gear yoke, Draft-. R. J. Cook. 1,504,432; Aug. 12.
Gearing, Toothed transmission. J. H. Smith. 1,504,792; Aug. 12.
Generator: *See*—
Impulse generator. Wind-power generator.
Steam generator.
Glass and other articles, Cutting device for. C. R. MacLean. 1,504,696; Aug. 12.
Glove. B. Rehn. 1,504,836; Aug. 12.
Golf club. J. J. Cullinan. 1,504,326; Aug. 12.

Golf club and making the same. G. W. Reitenour. 1,504,380; Aug. 12.
Golf-course markers, Support for. T. J. W. Brown. 1,504,934; Aug. 12.
Golf-practice device. M. Green. 1,504,752; Aug. 12.
Governor, Engine. F. Owens. 1,504,968; Aug. 12.
Gown, Operating. M. H. Boehmer. 1,504,932; Aug. 1.
Grave marker. J. M. McNeill. 1,504,565; Aug. 12.
Gravity ball-testing apparatus. C. L. Covington. 1,504,871; Aug. 12.
Grease-cup plugs, Lock for. F. T. Rowland and W. H. LeGresley. 1,504,512; Aug. 12.
Grinding and polishing rolls, Device for. E. H. Wahlert. 1,504,458; Aug. 12.
Grinding machine. H. E. Harris. 1,504,556; Aug. 12.
Gripping device. C. P. Skinner. 1,504,648; Aug. 12.
Grooves, Machine for forming. G. V. Anderson. 1,504,307; Aug. 12.
Gun and hopper feed box therefor, Machine. H. O. Russell and C. L. Paulus. 1,504,714; Aug. 12.
Gun and like apparatus, Grease. C. E. Milner. 1,505,054; Aug. 12.
Gun, Automatic. C. G. Swebilius. 1,504,584; Aug. 12.
Gun control, Synchronizing. H. A. Sutton and C. L. Paulus. 1,504,394; Aug. 12.
Gun mount, Flexible. H. O. Russell and C. L. Paulus.
Guns, Automatic cocking attachment for machine. H. O. Russell and C. L. Paulus. 1,504,717; Aug. 12. 1,504,719; Aug. 12.
Guns, Cartridge-feeding mechanism for automatic. H. A. Sutton and A. V. Verville. 1,504,393; Aug. 12.
Guns, Control for synchronized. H. O. Russell and C. L. Paulus. 1,504,712; Aug. 12.
Hair, Apparatus for permanently waving the. H. Speetjens. 1,504,988; Aug. 12.
Hairbrush, Collapsible. A. C. Myers. 1,504,830; Aug. 12.
Hair clipper, Electrically-operated. M. Andis. 1,504,595; Aug. 12.
Hair waver. H. M. Siegel. 1,504,791; Aug. 12.
Hair-waving. W. and H. MacDonald. 1,504,567; Aug. 12.
Hammer-rail control. H. K. Sandell. 1,504,789; Aug. 12.
Hand bag. G. Distefano. 1,505,012; Aug. 12.
Harvester, Tomato. E. Y. Tarkington. 1,504,846; Aug. 12.
Hat. E. J. Hughes. 1,504,350; Aug. 12.
Hat lining. F. Solomon. 1,504,582; Aug. 12.
Hat or unpkin holder. J. H. E. Zelp. 1,504,410; Aug. 12.
Header felt. E. M. Guillaume. 1,505,020; Aug. 12.
Headlight control. J. B. Giachetto and B. Tex. 1,505,018; Aug. 12.
Heat deflector. J. B. Morrow. 1,504,640; Aug. 12.
Heater: *See*—
Water heater.
Heater. J. W. Neumann. 1,504,369; Aug. 12.
Heating system. W. A. Collver. 1,504,941; Aug. 12.
Heating system, Steam-. J. J. Lawler. 1,504,958; Aug. 12.
Heelplate. W. B. Johnson. 1,504,480; Aug. 12.
Hickey loop, Combination. P. J. Pfeifer. 1,504,074; Aug. 12.
Hinge. R. B. Cox. 1,504,744; Aug. 12.
Hinge construction. H. R. Kellerman. 1,505,029; Aug. 12.
Hod. P. H. Hartman. 1,504,890; Aug. 12.
Hoe, rake, and shovel, Combined. A. Simoncelli. 1,504,913; Aug. 12.
Hoisting hooks, Lock for. F. Lindgren. 1,505,051; Aug. 12.
Holding and coupling device, Combined. J. N. Shelier. 1,504,985; Aug. 12.
Hollow articles, Molding. H. C. Egerton. 1,504,547; Aug. 12.
Honing and stropping device. E. L. Crespo. 1,504,814; Aug. 12.
Hook: *See*—
Brassière hook. Poultry and stock hook.
Hose protector. W. H. Dempsey and O. J. Waggoner. 1,504,945; Aug. 12.
Hot-air furnace. G. F. Isgrig. 1,504,953; Aug. 12.
Humidifier. F. B. Comins and J. Armstrong. 1,504,431; Aug. 12.
Hydraulic machine. G. F. De Weiu. 1,504,746; Aug. 12.
Hydraulic machine. F. Nagler. 1,504,776; Aug. 12.
Hydraulic machine. F. C. Paatsch. 1,504,779; Aug. 12.
Hydrogen or gases rich in hydrogen, Production of. J. H. West and A. Jaques. 1,505,065; Aug. 12.
Ice-cream cabinet. R. H. Sterne. 1,504,844; Aug. 12.
Ice-cream cone. H. C. Winnie. Des. 65,427; Aug. 12.
Ice-cream-cone machine. L. H. Lanier. 1,505,068; Aug. 12.
Ice-cream freezer. H. B. Hammill. 1,504,756; Aug. 12.
Ice, Cutting implement for cakes of. R. A. Ferguson. 1,504,946; Aug. 12.
Ice harvester. T. K. Agar. 1,504,594; Aug. 12.
Illumination control for vehicles, Road-. W. A. Laycock, J. C. Farrar, and H. H. Wolbert. 1,505,040; Aug. 12.
Impulse generator. H. O. Russell and C. L. Paulus. 1,504,716; Aug. 12.
Index base. E. F. Murray. 1,505,056; Aug. 12.
Indexing device. J. V. Lile. 1,504,360; Aug. 12.
Indexing system. F. D. Powell. 1,504,709; Aug. 12.
Indicator: *See*—
Flow indicator. Lubricant indicator.
Level indicator.
Injectors, Steam-discharge piece for. L. Friedmann. 1,504,468; Aug. 12.
Inking machine. S. H. Goldberg. 1,504,686; Aug. 12.
Insects, Apparatus for destroying. C. A. Rounsaville. 1,504,679; Aug. 12.
Internal-combustion engine. A. P. Brush. 1,504,322; Aug. 12.
Internal-combustion engine. W. J. La Tourrette. 1,504,957; Aug. 12.
Internal-combustion engine, Rotary. C. Balsch. 1,504,926; Aug. 12.
Ironing table. J. H. McVey. 1,504,637; Aug. 12.
Jack: *See*—
Pumping jack.
Joint: *See*—
Pipe joint. Universal joint.
Joint construction. E. Berglund. 1,504,318; Aug. 12.
Joints, Making. H. A. Douglas. 1,504,464; Aug. 12.
Journal bearing. G. G. Rhinevault. 1,505,075; Aug. 12.
Key-ring holder. A. E. Miller. 1,504,639; Aug. 12.
Knives, Sanitary kit for butchers'. G. H. Baust. 1,504,927; Aug. 12.
Labeling machine. F. Becker. 1,504,855–6; Aug. 12.
Labeling machine. F. L. Shelor. 1,504,388; Aug. 12.
Lace. H. B. Barnum. Des. 65,392; Aug. 12.
Lamp. J. Fraling. 1,504,682; Aug. 12.
Lamp and like stands, Bracket for. L. H. Burlin. Des. 65,393; Aug. 12.
Lamp, Electric. G. W. Comer. 1,504,869; Aug. 12.
Lamp, Electric. J. Schultz. 1,504,980; Aug. 12.
Lamp pedestal. C. W. Ford. Des. 65,404; Aug. 12.
Lamp pedestal or other similar article. J. Sohn. Des. 65,423; Aug. 12.
Lamps, Heating attachment for. B. Martin. 1,504,364; Aug. 12.
Latch. O. H. Orendorff. 1,504,967; Aug. 12.
Latch, Door. H. Beauchamp. 1,504,316; Aug. 12.
Latch, Door. A. E. Kintner. 1,504,544; Aug. 12.
Latch, Gate. B. F. Stewart. 1,504,992; Aug. 12.
Lathe. C. E. Search. 1,504,519; Aug. 12.
Lawn or hedge cutter. E. Nist. 1,505,059; Aug. 12.
Level indicator, Liquid-. T. W. Robbins. 1,504,978; Aug. 12.
Life protector, Bather's. J. K. Williams. 1,504,407; Aug. 12.
Lifter: *See*—
Valve-spring lifter.
Light: *See*—
Signal light.
Light shade or similar article. I. C. Gulick. Des. 65,406; Aug. 12.
Lighting device, Automatic. J. Hieb. 1,504,952; Aug. 12.
Lipstick container. C. N. Coryell. 1,504,216–17; Aug. 12.
Liquid cooler. J. Wilson. 1,504,732; Aug. 12.
Liquid-fuel burner. C. Bush. 1,504,323; Aug. 12.
Liquids with gases, Apparatus for treating. C. S. Palmer. 1,504,265; Aug. 12.
Load-tightening means. W. H. Taylor. 1,504,285; Aug. 12.
Loading device. C. H. Shedenhelm. 1,504,984; Aug. 12.
Loading machine. R. P. Greenleaf. 1,504,235; Aug. 12.
Loading machine. L. Thortvedt. 1,504,400; Aug. 12.
Lock: *See*—
Auto hood lock. Nut lock.
Automobile transmission lock. Steering-wheel lock.
Lock for folding doors. L. B. Watson. 1,504,460; Aug. 12.
Locked coupling. T. J. Madigan. 1,504,363; Aug. 12.
Log carrier. J. A. Guerin. 1,504,753; Aug. 12.
Log-setting retarder. E. McCluskey. 1,504,488; Aug. 12.
Loom. C. H. Draper. 1,504,875; Aug. 12.
Loom. C. Eggart. 1,505,066; Aug. 12.
Looms, Filling-feeler mechanism for. C. J. Kelly. 1,504,893; Aug. 12.
Looms, Shedding mechanism for. C. Eggart. 1,504,881; Aug. 12.
Lubricant indicator. J. W. Sofge. 1,504,987; Aug. 12.
Lubricating apparatus. H. J. Boneberg. 1,504,423; Aug. 12.
Lubricating bolt. F. G. Hirst. 1,504,452; Aug. 12.
Lubricator: *See*—
Valveless lubricator.
Luggage with folding tray. G. A. Germann. 1,504,885; Aug. 12.
Lumber-cut-off machine. C. Johnson. 1,504,248; Aug. 12.
Lumber, Cutting beveled. D. B. Gary. 1,504,616; Aug. 12.
Magneto generators, Making. P. J. Gilinson. 1,504,619; Aug. 12.
Mail box. F. G. Ryther. 1,504,514; Aug. 12.
Mail catcher. E. E. Clark. 1,504,430; Aug. 12.
Mandrel support. G. L. Mather. 1,505,052; Aug. 12.
Map, Relief. A. W. Bjornstad. 1,504,321; Aug. 12.
Marcel waver. G. Rosnosky. 1,505,061; Aug. 12.
Marking machine. H. S. Bergen. 1,504,598; Aug. 12.
Match and toothpick box, Automatic. J. A. P. Blackwood. 1,504,599; Aug. 12.
Match holder. A. Ziska, jr. 1,504,593; Aug. 12.
Match safe. C. Hammergren. 1,504,755; Aug. 12.
Material-handling equipment. M. R. Butler. 1,504,211; Aug. 12.
Measuring instrument, Electric. C. L. Fortescue. 1,504,614; Aug. 12.
Mesh-measuring machine. R. H. Berkley. 1,504,419; Aug. 12.
Metal bar. C. R. Carter. 1,504,677; Aug. 12.

Metal machine, Expanded-. G. W. Lentz. 1,504,629; Aug. 12.
Metal-punching machine. G. P. Thomas. 1,504,286; Aug. 12.
Metal spider having crossed arms, Pressed-. H. D. Geyer. 1,504,617; Aug. 12.
Meter: *See*—
Weir meter.
Meter box. J. H. Holmgreen. 1,505,026; Aug. 12.
Micrometer, Adjustable. J. Fernandez. 1,504,680; Aug. 12.
Mill: *See*—
Comminuting mill.
Millinery and the like purposes, Artificial leaf for. M. Kaplan. Des. 65,410; Aug. 12.
Mine shovel. R. S. Butler. 1,504,427; Aug. 12.
Minerals and other substances, Apparatus for washing. R. A. Henry. 1,505,024; Aug. 12.
Miner's tool. W. N. Brown. 1,504,808; Aug. 12.
Mirror, Dental. J. G. Heard. 1,504,343; Aug. 12.
Mixer: *See*—
Paint mixer.
Mixing device. M. J. Nordstrand. 1,504,704; Aug. 12.
Mold: *See*—
Conduit mold.
Mold loader. J. E. McBride. 1,504,894; Aug. 12.
Molding die. J. W. Bishop. 1,504,422; Aug. 12.
Molding machine. S. M. Udale. 1,504,455; Aug. 12.
Monosodium phosphate, Manufacture of. W. Glaeser. 1,504,339–40; Aug. 12.
Mop wringer. J. W. Stafford. 1,504,990; Aug. 12.
Motors, Cooling fan for. H. M. Stueland. 1,504,651; Aug. 12.
Motors, Dynamic brake for alternating-current. R. H. Fisher. 1,504,224; Aug. 12.
Motors, Short-circuiting device for. C. P. Eisenhauer. 1,504,438; Aug. 12.
Mouthpiece, Duplex-aperture. C. E. Stacy. 1,504,526; Aug. 12.
Mower, Lawn. A. W. Brown. 1,504,863; Aug. 12.
Needle-threading device. H. Trzeciak. 1,504,917; Aug. 12.
Nickel-plating, Process of and means for. E. M. Baker. 1,504,206; Aug. 12.
Noodle-forming machine. A. Ruggiero. 1,504,383; Aug. 12.
Nozzle. G. Buelna and H. E. J. Vacher. 1,504,864; Aug. 21.
Nut lock. S. E. Ross. 1,504,511; Aug. 12.
Nut or the like, Quick-acting rim. H. P. Kraft. 1,504,250; Aug. 12.
Oil burner. D. I. Selfridge. 1,504,981; Aug. 12.
Oil, Decolorizing. F. W. Manning. 1,504,772; Aug. 12.
Oil-seed cakes, Forming and wrapping. N. B. Henry. 1,504,450; Aug. 12.
Oiler, Air-line. C. C. Hansen. 1,504,341; Aug. 12.
Oils, Dispensing apparatus for lubricating. W. T. Hatmaker. 1,505,022; Aug. 12.
Oils, fats, etc., Extracting. B. R. Tunison. 1,504,588; Aug. 12.
Optical system. E. Pascucci. 1,504,970; Aug. 12.
Ordnance. W. A. Randolph. 1,504,504; Aug. 12.
Ores, Treating native arsenate. J. G. Lamb. 1,504,627; Aug. 12.
Orthodontic appliance. T. M. Comegys. 1,504,942; Aug. 12.
Oven, Vertical chamber. C. Otto 1,504,492–3; Aug. 12.
Ovens, Construction of vertical chamber. W. Hiby. 1,504,451; Aug. 12.
Oxide of white antimony, Manufacturing. A. Germot. 1,504,685; Aug. 12.
Package. E. H. Angier and W. M. Wheildon. 1,504,733; Aug. 12.
Packing box, knockdown export. A. Miller. 1,504,699; Aug. 12.
Packing for piston rods, Metal. F. Hauber. 1,504,342; Aug. 12.
Packing or shipping box or case. C. S. Wickes. 1,504,292; Aug. 12.
Paint mixer. E. L. Cannon. 1,504,867; Aug. 12.
Paint-spraying apparatus. J. W. Gibbons. 1,504,443; Aug. 12.
Pantalets and similar garment. J. J. McLoughlin. 1,504,361; Aug. 12.
Paperboard, Process and machine for making cross-corrugated. C. H. Crowell. 1,504,218; Aug. 12.
Paper cups, Machine for making. E. R. Huntley. 1,504,245; Aug. 12.
Paper-cutting machine. C. Seybold. 1,504,521; Aug. 12.
Paper feeding and collating device. E. Marcuson. 1,504,256; Aug. 12.
Paper-hanger's stair trestle. P. J. Pollnick. 1,504,971; Aug. 12.
Paper machines, Feeding mechanism for. C. Butterfield. 1,504,541; Aug. 12.
Paper-making machine. W. Sheahan. 1,504,727; Aug. 12.
Paper receptacle or container and making the same. F. T. Nicholson. 1,504,491; Aug. 12.
Paper, Sheet of wrapping. W. J. Freihofer. Des. 65,405; Aug. 12.
Paraffin or other wax, Apparatus for sweating or crystallizing. H. L. Allan and J. Moore. 1,504,923; Aug. 12.
Pattern for half-sole blanks. E. E. Ring. 1,504,976; Aug. 12.
Pavement-finishing machine. G. E. Webb. 1,504,404; Aug. 12.
Peat and like substances, Distilling and gasifying. A. A. F. M. Seigle. 1,504,385; Aug. 12.
Pedal. G. F. Long. 1,504,695; Aug. 12.
Pedal attachment, Neutral safety. C. S. Westfall and F. S. Taber. 1,504,798; Aug. 12.
Pedal mechanism, Controlling-. W. T. Sears. 1,504,842; Aug. 12.
Peeling machines, Fruit-delivering apparatus for. H. F. Opperman. 1,504,370; Aug. 12.
Peening apparatus. E. B. Feaster. 1,504,612; Aug. 12.
Pencil. H. R. Christiansen. 1,504,742; Aug. 12.
Pencil and making the same. L. W. Bugbee. 1,504,209; Aug. 12.
Pencil-vending machine. J. B. Walker. 1,504,291; Aug. 12.
Pet-cock wrench. R. C. Holton. 1,504,475; Aug. 12.
Phonograph records, etc., Tray for. J. W. Bishop. 1,504,421; Aug. 12.
Photography and producing same, Polychrome screen for color. L. F. Douglass. 1,504,465; Aug. 12.
Photography, Method and apparatus for producing multiple and phantom image effects in. L. F. Douglass. 1,504,328; Aug. 12.
Photolithography. J. H. Powrie. 1,504,782; Aug. 12.
Piano player. H. Thomson and W. R. Oyston. 1,504,531–2; Aug. 12.
Picture projector, Moving-. H. C. Schlicker. 1,504,722; Aug. 12.
Pin: *See*—
Pulley pin.
Pin. V. Menefee. Des. 65,419; Aug. 12.
Pipe: *See*—
Tobacco pipe.
Pipe joint, Flexible. W. C. White. 1,504,662; Aug. 12.
Pipe molds, Method and means of lining. J. A. Perry. 1,504,497; Aug. 12.
Pipe wrench. H. R. Newland. 1,504,964; Aug. 12.
Piston. O. E. Barthel. 1,504,538; Aug. 12.
Piston. C. C. Hanch. 1,504,448; Aug. 12.
Piston, Adjustable. G. M. Hurley. 1,504,351; Aug. 12.
Piston ring. M. D. Bell. 1,504,418; Aug. 12.
Piston ring. S. J. Lamora. 1,505,035; Aug. 12.
Piston-ring tool. H. A. G. Fornelius. 1,505,017; Aug. 12.
Plant-receptacle holder. C. D. Mackie. 1,504,489; Aug. 12.
Plaster. F. Mulligan. 1,504,829; Aug. 12.
Pliers and wrench, Combined. W. C. Tull and R. J. Bristol. 1,504,401; Aug. 12.
Plow. W. J. Burnett. 1,504,937; Aug. 12.
Plow. C. W. Landers. 1,505,037; Aug. 12.
Plow attachment. H. A. Shaner. 1,504,982; Aug. 12.
Plow for deep and soft-land plowing. L. S. Thomas. 1,504,585; Aug. 12.
Plowing device, Ballast-. E. G. Fidler. 1,504,334; Aug. 12.
Plug, Attachment. D. N. Thompson. 1,504,655; Aug. 12.
Plug cock. A. A. Cryer. 1,504,219; Aug. 12.
Plug connection. A. H. Kline. 1,504,823; Aug. 12.
Pocket, Garment. S. Cornblum. 1,504,607; Aug. 12.
Poison distributor. J. P. Fullilove. 1,504,818. Aug. 12.
Poke, Cattle. J. B. Benton. 1,504,317; Aug. 12.
Pole construction, Field-. R. W. Borchard. 1,504,734; Aug. 12.
Pop-corn machine, Feeding device for. W. D. Root. 1,504,270; Aug. 12.
Portable elevator. A. M. Barrett and F. L. Eidmann. 1,504,415; Aug. 12.
Poultry and stock hook. W. S. Thurston. 1,504,287; Aug. 12.
Power-limiting amplifying device. H. D. Arnold. 1,504,537; Aug. 12.
Primary battery. H. K. Sandell. 1,504,788; Aug. 12.
Printing device, Word-. H. Landsiedel. 1,504,561; Aug. 12.
Printing machine. J. C. Yetter and O. R. Wolf. 1,504,409; Aug. 12.
Printing presses, Stiffening of. M. Rockstroh. 1,504,979; Aug. 12.
Printing plates, Making. F. De Minico. 1,504,872; Aug. 12.
Propellers, Mechanism for varying the pitch of screw. H. Leitner. 1,504,769; Aug. 12.
Pulley pin. C. L. Ruffcorn. 1,504,905; Aug. 12.
Pulsator, Milking-machine. E. de H. Caldwell. 1,504,740; Aug. 12.
Pulverizing material, Machine for. R. E. H. Pomeroy. 1,504,781; Aug. 12.
Pulverulent materials, Apparatus for sorting. A. France. 1,504,439; Aug. 12.
Pump of the rotary type, Suction and delivery. P. Voreaux. 1,504,995; Aug. 12.
Pump, Turbine. J. A. Ulmer. 1,504,658; Aug. 12.
Pumping jack, Oil-well. J. M. Wolfe. 1,504,299; Aug. 12.
Rack: *See*—
Secondary rack.
Radiator suspension structure. F. M. Young. 1,504,803; Aug. 12.
Radio and similar systems, Switching circuit for. W. P. Andrick. 1,504,204; Aug. 12.
Radiosignals employing undamped waves, Transmission of. R. B. Woolverton. 1,504,462; Aug. 12.
Radiotelegraphy, Secret system for. A. R. Molins. 1,505,055; Aug. 12.
Radius-rod-adjusting-attachment. R. L. Naugle. 1,505,058; Aug. 12.

Railway, Amusement. H. F. Maynes. 1,504,366; Aug. 12.
Railway-car-dumping apparatus. M. J. Haddigan. 1,504,888; Aug. 12.
Railway signal switch. G. Zint. 1,505,002; Aug. 12.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,505,069–70; Aug. 12.
Ratchet drive mechanism. J. F. Halverson. 1,504,237; Aug. 12.
Razor, Electric safety. C. F. Bailey. 1,504,311; Aug. 12.
Receptacle. C. Lohrman. 1,505,045; Aug. 12.
Receptacle. T. B. Wright. 1,504,300; Aug. 12.
Receptacle closure. A. L. Meroille. 1,504,698; Aug. 12.
Receptacle, Wooden. L. H. McKee. 1,504,564; Aug. 12.
Refrigerator. H. B. Lindsay. 1,504,693; Aug. 12.
Refrigerator display counter. A. H. Ehrlich. 1,505,016; Aug. 12.
Register: *See*—
Cash register.
Regulators, Method and apparatus to stabilize. P. E. Good. 1,504,620; Aug. 12.
Resilient wheel. E. J. Brandt. 1,504,806; Aug. 12.
Rheostat. P. E. Klopsteg. 1,504,483; Aug. 12.
Rim and tire clamp. O. Glass. 1,504,444; Aug. 12.
Rim, Demountable. H. R. Roffmann. 1,504,509; Aug. 12.
Rim, Emergency. D. A. Smith, jr. 1,504,649; Aug. 12.
Rim tool. S. McCausland. 1,504,636; Aug. 12.
Ring: *See*—
Piston ring.
Ring. J. J. Melms and C. E. Wallace. Des. 65,418; Aug. 12.
Ring traveler. M. J. Sheehan. 1,504,912; Aug. 12.
Road machine. J. E. Jarmin. 1,504,352; Aug. 12.
Road surface, flooring, and the like, Resilient. W. F. Barns. 1,504,313; Aug. 12.
Rod: *See*—
Curtain rod.
Rope and wire reel apparatus. P. D. Beavers. 1,504,417; Aug. 12.
Rotary engine. H. O. Taylor and L. C. Brown. 1,504,654; Aug 12.
Rotary engine. F. Tucker. 1,504,918; Aug. 12.
Rotor. J. F. Roberts. 1,504,710; Aug. 12.
Rubber and fabric cutting machines, Knife-feeding mechanism for. W. Nicholas. 1,504,703; Aug. 12.
Rubber heel. C. W. Lavers. 1,505,038; Aug. 12.
Rug. R. Waldo. Des. 65,425–6; Aug. 12.
Rustproofing by coating with cadmium. W. A. Wissler and C. H. Humphries. 1,504,298; Aug. 12.
Saccharine powder containing impalpable solids and making the same, Amorphous. G. Washington. 1,504,459; Aug. 12.
Saddle, Cycle. C. Waldron. 1,504,289; Aug. 12.
Safety switch. C. D. Platt. 1,504,708; Aug. 12.
Sand drier, Automatic steam. J. P. Voss. 1,504,996; Aug. 12.
Sanding machine, Scroll-. E. F. Butts. 1,504,865; Aug. 12.
Sash fastener. H. Arveskaug. 1,504,205; Aug. 12.
Saw, Drag. G. F. Kentch. 1,505,030; Aug. 12.
Sawmill carriages, Power setworks for. G. W. Dorman. 1,505,005; Aug. 12.
Scale. E. D. Fear. 1,504,333; Aug. 12.
Scale, Dial. N. H. Anderson. 1,504,202; Aug. 12.
Scale loop. N. H. Anderson. 1,504,203; Aug. 12.
Scale, Weighing. S. G. Crane. 1,504,609; Aug. 12.
Scale, Weighing. C. H. Hapgood. 1,504,555; Aug. 12.
Scraper and tamping rod. J. J. Dixon. 1,505,013; Aug. 12.
Scraper, Automatic rotary. R. C. Hawkins. 1,504,820; Aug. 12.
Screens, Metal frame for. J. O. Wagner. 1,504,457; Aug. 12.
Screw machine, Automatic. C. G. Blanchard. 1,504,930; Aug. 12.
Sculling machine. H. Phillips. 1,504,375; Aug. 12.
Seat. C. Waldron. 1,504,290; Aug. 12.
Secondary rack, Adjustable. W. P. Brady. 1,504,859; Aug. 12.
Sequence switch. H. B. Taylor. 1,504,283; Aug. 12.
Sewing machine, Buttonhole-. E. B. Allen. 1,504,306; Aug. 12.
Sewing machine, Flat-fell. H. F. Gruman. 1,504,550; Aug. 12.
Sewing-machine guiding attachment. G. W. Spalding. 1,504,389; Aug. 12.
Sewing-machine motors, Mounting for. G. H. Garcelon and N. Hansen. 1,504,615; Aug. 12.
Sewing machines, Bobbin casing and carrier for rotary-hook. R. K. Hohmann. 1,504,242; Aug. 12.
Sewing machines, Bobbin housing for rotary-hook. R. K. Hohmann. 1,504,241; Aug. 12.
Sewing machines, Thread trimmer for. C. H. T. Hagelstein. 1,504,236; Aug. 12.
Shaft coupling, Safety. L. F. Webb. 1,504,405; Aug. 12.
Sharpening machine, Safety-razor-blade-. F. A. Reynolds. 1,504,506; Aug. 12.
Shaving gauge. D. Daughley. 1,504,436; Aug. 12.
Shear and plier. R. W. Moses. 1,504,574; Aug. 12.
Sheet-feeding device, Automatic. J. H. Stonemetz. 1,504,914; Aug. 12.
Sheet opener. E. G. Lehman. 1,504,487; Aug. 12.
Shelf support, Adjustable. W. T. Sherer. 1,504,523; Aug. 12.
Shield, Wind and dust. M. Curran. 1,505,008; Aug. 12.
Shingling gauge. S. McCausland. 1,504,635; Aug. 12.
Shock absorber. A. Howes. 1,504,477; Aug. 12.
Shocking machine. T. Wadge and B. J. Desmond. 1,504,533; Aug. 12.
Shoe cleaning and polishing machine. H. Plummer. 1,504,377; Aug. 12.
Shoe, Ramp. C. A. Parker. 1,504,969; Aug. 12.
Shoes, Insole for. R. Sato. 1,504,908; Aug. 12.
Short-circuiting and brush-lifting device, Centrifugal. F. V. Sams. 1,504,720; Aug. 12.
Shovel: *See*—
Mine shovel.
Show case. W. T. Sherer. 1,504,522; Aug. 12.
Shutter-operating apparatus. J. H. Miller. 1,504,573; Aug. 12.
Shuttle for bobbins. J. B. Bentley. 1,504,668; Aug. 12.
Sifter top. H. W. Jones. 1,504,481; Aug. 12.
Sifter-top container. H. W. Jones. 1,504,482; Aug. 12.
Sign control, Make-and-break electrical. P. V. McCash. 1,505,047; Aug. 12.
Sign holder. C. H. Lush. 1,505,046; Aug. 12.
Signal: *See*—
Crossing signal. Direction signal.
Signal light. L. W. Chubb. 1,504,603; Aug. 12.
Signals, Method and apparatus for transmitting. G. W. Elmen. 1,504,882; Aug. 12.
Signaling, Electrical. J. O. Mauborgne and L. Cohen. 1,504,570; Aug. 12.
Signaling mechanism, Long-distance automatic. L. E. King. 1,505,031; Aug. 12.
Signaling system. C. White. 1,504,406; Aug. 12.
Siliceous material, Preparing. F. X. Govers. 1,504,549; Aug. 12.
Slack adjuster. J. E. Redford. 1,504,379; Aug. 12.
Slicer and decorator. L. E. Pope. 1,504,501; Aug. 12.
Slide-moving apparatus. G. L. Truehlood. 1,504,657; Aug. 12.
Smoke consumer. W. A. Baker and F. A. Ramler. 1,504,414; Aug. 12.
Smokers' refuse, Pocket container for. G. Thortvedt. 1,504,399; Aug. 12.
Smoking set. A. J. Shary. 1,504,983; Aug. 12.
Snap. C. M. Wolf. 1,504,802; Aug. 12.
Spark plug. S. J. Mason. 1,505,049; Aug. 12.
Spark plug. L. Schmidt. 1,504,841; Aug. 12.
Sparking top. L. Marx. 1,504,257; Aug. 12.
Spectacle-hinge construction. C. O. Carlson. 1,504,212; Aug. 12.
Speed indicators, Driving mechanism for. A. M. Oslock. 1,504,897; Aug. 12.
Speed transmission, Variable-. L. H. Beebe. 1,504,857; Aug. 12.
Split switch. R. E. Einstein. 1,504,331; Aug. 12.
Spring: *See*—
Vehicle spring.
Sprinkler systems, Supervisory device for automatic. A. J. Loepsinger. 1,504,563; Aug. 12.
Stumping machine. H. Janssen. 1,504,479; Aug. 12.
Stand: *See*—
Display stand. Engine-repair stand.
Static disturbances, Method of and means for reducing. H. A. Affel. 1,504,303; Aug. 12.
Steam generator. R. H. Lansing. 1,504,251; Aug. 12.
Steering device. E. D. Mulder. 1,504,263; Aug. 12.
Steering-wheel lock. G. Cipriano. 1,504,214; Aug. 12.
Stereoradioscope. B. L. Spitzer. 1,504,989; Aug. 12.
Sterilizer. W. G. Miller. 1,504,775; Aug. 12.
Stitch-forming mechanism. R. K. Hohmann. 1,504,240; Aug. 12.
Stone-dressing machinery, Dust remover for. E. M. Tobin and E. M. White. 1,504,994; Aug. 12.
Stop bar. O. A. Hokanson. 1,504,346; Aug. 12.
Stopper: *See*—
Bottle stopper. Flue stopper.
Storage battery, Secondary. E. N. Baldwin. 1,504,312; Aug. 12.
Storing device. L. E. Trachsel. 1,504,587; Aug. 12.
Stoves, Preheater for gasoline. W. C. Coleman. 1,504,743; Aug. 12.
Straightedge machine. H. F. Woerth. 1,504,408; Aug. 12.
Studding and making same, Metal. C. Collins. 1,504,325; Aug. 12.
Stuffing box. R. W. Rogers. 1,504,901; Aug. 12.
Stump cutter. E. A. McKoy and G. D. Moore. 1,504,963; Aug. 12.
Submarine motor-control system and apparatus. L. G. Riley. 1,504,577; Aug. 12.
Submarines, Method and means for detecting and locating. W. W. Jacques. 1,504,247; Aug. 12.
Sugar bowl. M. A. Haley. Des. 65,407; Aug. 12.
Sulphuric anhydride and sulphuric acid, Producing. M. F. Coolbaugh and J. B. Read. 1,504,813; Aug. 12.
Supporting surface, mattress, and the like, Resilient. T. Hilton. 1,505,025; Aug. 12.
Sweater. H. A. Kaufman. Des. 65,411; Aug. 12.
Switch: *See*—
Railway signal switch. Split switch.
Safety switch. Telephone switch.
Sequence switch. Thermostatic switch.
Switch panels, Mold for. B. P. Rowe. 1,504,580; Aug. 12.
Switches, Apparatus for operating. E. H. Grim. 1,504,472; Aug. 12.
Table: *See*—
Collapsible table. Ironing table.

Tachometer, Electrical. H. O. Russell and E. A. Sipp. 1,504,711; Aug. 12.
Tag. T. Allatt. 1,504,804; Aug. 12.
Tail-light faceplate. I. V. Edgerton. Des. 65,401; Aug. 12.
Talking machine, Disk. H. L. T. Buckle. 1,505,073; Aug. 12.
Talking machines, Needle silencer for. M. F. Corswandt. 1,504,433; Aug. 12.
Tank support, Fuel-. C. F. Green. 1,504,751; Aug. 12.
Taxicab identifier. H. E. Mills. 1,505,079; Aug. 12.
Telephone-exchange system. W. P. Albert and W. W. Carpenter. 1,504,304; Aug. 12.
Telephone exchange, Producing a balanced. A. H. Adams. 1,504,301; Aug. 12.
Telephone-exchange system. H. P. Clausen and C. L. Goodrum. 1,504,215; Aug. 12.
Telephone-exchange system. J. W. Gooderham. 1,504,228–31; Aug. 12.
Telephone-exchange system. W. H. Matthies. 1,504,258; Aug. 12.
Telephone-exchange system. E. H. Mills. 1,504,260–1; Aug. 12.
Telephone-exchange system. S. B. Williams, jr. 1,504,293; Aug. 12.
Telephone-exchange system. S. B. Williams, jr. 1,504,295; Aug. 12.
Telephone-exchange system. S. B. Williams, jr. 1,504,297; Aug. 12.
Telephone-exchange system, Automatic. F. J. Scudder. 1,504,275; Aug. 12.
Telephone-exchange system, Machine-switching. L. Polinkowsky. 1,504,268; Aug. 12.
Telephone-exchange system, Semimechanical. J. L. McQuarrie and A. M. Bullard. 1,504,254; Aug. 12.
Telephone lines, Metering system for party. C. L. Goodrum and E. E. Hinrichsen. 1,504,282; Aug. 12.
Telephone-receiver circuits. G. W. Carpenter and W. L. Carlson. 1,504,940; Aug. 12.
Telephone switch, Automatic. E. W. Gent. 1,504,227; Aug. 12.
Telephone system. H. D. Currier and G. R. Eaton. 1,504,435; Aug. 12.
Telephone system. H. M. Friendly. 1,504,337; Aug. 12.
Telephone system. S. B. Williams, jr., and E. E. Hinrichsen. 1,504,294; Aug. 12.
Telephone system. S. B. Williams, jr., and E. E. Hinricksen. 1,504,296; Aug. 12.
Telephone system, Automatic. R. G. Richardson. 1,504,381; Aug. 12.
Telephone system, Machine-switching. L. Polinkowsky. 1,504,267; Aug. 12.
Tension device. C. A. Brink. 1,504,674; Aug. 12.
Tent. H. P. Hansen. 1,504,889; Aug. 12.
Testing apparatus. F. H. Best. 1,504,319; Aug. 12.
Textile fabric. J. Folk. Des. 65,402–3; Aug. 12.
Theftproof box. J. L. Hood. 1,504,760; Aug. 12.
Thermocontainer. W. C. Killius and J. F. Rudolph. 1,504,353; Aug. 12.
Thermostat. G. F. Taylor. Re15,890; Aug. 12.
Thermostatic control means. E. Trova. 1,504,848; Aug. 12.
Thermostatic switch. W. A. Rankin. 1,504,269; Aug. 12.
Tickets, Vending of railway and like. L. Nadl. 1,504,643; Aug. 12.
Tie and rail construction. P. S. Brkich. 1,504,425; Aug. 12.
Tie and rail fastener, Combined. H. Z. Morgan. 1,504,262; Aug. 12.
Tile game, Device for supporting walls of a. L. W. Luce. 1,504,633–4; Aug. 12.
Tiller, Rotary. J. F. M. Patitz. 1,504,495; Aug. 12.
Tire-building machine. R. S. Trogner. 1,504,729; Aug. 12.
Tire-building machine, Cord-. K. O. B. Textorius. 1,504,728; Aug. 12.
Tire chains, Emergency chain for nonskid. J. R. Baude. 1,504,416; Aug. 12.
Tire patch and pump. J. De Fabio and R. M. Banks. 1,504,745; Aug. 12.
Tire, Solid. A. Hargraves. 1,504,449; Aug. 12.
Tire, Spring. J. Van Mohr. 1,504,797; Aug. 12.
Tire, Vehicle. P. W. Litchfield. 1,504,694; Aug. 12.
Titanium compound. J. Blumenfeld. 1,504,669–71; Aug. 12.
Titanium hydroxide, Preparation of. J. Blumenfeld. 1,504,672; Aug. 12.
Titanium pigment. J. Blumenfeld. 1,504,673; Aug. 12.
Tobacco pipe. A. Hackett. 1,504,754; Aug. 12.
Tobacco-user's appliance. W. C. Bruzga. 1,504,675; Aug. 12.
Toilet attachment. J. M. McLeod. 1,505,048; Aug. 12.
Toilet set, Combination. L. M. Bayron. 1,504,597; Aug. 12.
Tone modifier. F. E. Shane. 1,504,387; Aug. 12.
Toothbrush, Sanitary. R. W. Conger. 1,504,943; Aug. 12.
Torpedo, Railway signal. F. Dutcher. 1,504,877–80; Aug. 12.
Toy bank. A. Folta. 1,504,948; Aug. 12.
Toy cannon, pistol, gun, and the like. C. H. Hanwell. 1,504,819; Aug. 12.
Toy constructor. I. Kussner. 1,505,034; Aug. 12.
Toy, Mechanical. P. Lipman. 1,504,631; Aug. 12.
Trace carrier. F. C. Krause. 1,504,560; Aug. 12.
Tractors, Clutch-pedal detent for. L. Stoffersen. 1,504,391; Aug. 12.
Tractors, Winding-reel attachment for. D. E. Carmony. 1,504,939; Aug. 12.
Trailer hitch. G. L. Howell. 1,504,244; Aug. 12.
Train-control system. A. G. Shaver. 1,505,062; Aug. 12.
Transformer. C. G. Jones. 1,504,625; Aug. 12.
Transformer, Current. L. Dorfman. 1,504,611; Aug. 12.
Transmission. J. C. Gallagher. 1,504,684; Aug. 12.
Transmission and clutch mechanism, Hydraulic. O. J. and N. M. Streeter. 1,504,583; Aug. 12.
Transmission channel, Multiplex. H. A. Affel. 1,504,535; Aug. 12.
Transmission circuits. W. J. Shackelton. 1,504,276; Aug. 12.
Transmission, Differential. C. G. Hall. 1,504,951; Aug. 12.
Transmitting energy without wires, System for. C. Reno. 1,504,974; Aug. 12.
Tray, Ash. J. C. Backus. 1,504,310; Aug. 12.
Tray or similar article, Sandwich. C. B. Roe. Des. 65,421; Aug. 12.
Trimming, Bias. J. Jacobs. Des. 65,409; Aug. 12.
Trolley. P. L. Mardis. 1,504,569; Aug. 12.
Trolley base. L. F. Burnham. 1,504,602; Aug. 12.
Truck. F. De Borggrave. 1,505,009; Aug. 12.
Truck of the six-wheel type, Car. J. C. Larsen. 1,504,252; Aug. 12.
Trucks, Mechanical hoist for. A. T. Scannell. 1,504,515; Aug. 12.
Tubes, Making annular. E. C. Taylor. 1,504,653; Aug. 12.
Tunnels, Apparatus for excavating. L. A. Quayle. 1,505,060; Aug. 12.
Turbine, Hydraulic. E. H. Brown. 1,504,737; Aug. 12.
Turbine surfaces, Means for protecting. E. H. Brown. 1,504,736; Aug. 12.
Turbine wheel. L. H. Seidel. 1,504,520; Aug. 12.
Turntable and the like. J. B. Hawley, jr. 1,504,558; Aug. 12.
Typewriter. E. Pope. 1,504,576; Aug. 12.
Typewriters, Escapement mechanism for. O. A. Hokanson. 1,504,348; Aug. 12.
Typewriters, Manifolding attachment for. M. L. Cossitt. 1,504,434; Aug. 12.
Typewriters, Tabulator stop for. O. A. Hokanson. 1,504,347; Aug. 12.
Typewriting and computing machine, Combined. J. A. Wherry. 1,504,800; Aug. 12.
Typewriting machine. W. F. Helmond. 1,504,690; Aug. 12.
Typewriting machine. J. A. B. Smith. 1,504,793; Aug. 12.
Universal joint. C. H. Richards. 1,504,786; Aug. 12.
Vacua or partial vacua, Means for maintaining. P. Shishkoff. 1,505,080; Aug. 12.
Vacuum feed device. L. H. Wheeler. 1,504,799; Aug. 12.
Valve. B. B. Preston. 1,504,453; Aug. 12.
Valve-actuating mechanism. M. Peck. 1,504,496; Aug. 12.
Valve-actuating mechanism. E. S. Thompson. 1,504,586; Aug. 12.
Valve, Automatically-controlled. E. W. Klein. 1,505,032; Aug. 12.
Valve, Electric. C. L. A. M. Leblanc. 1,504,628; Aug. 12.
Valve, Electromagnetic. S. Marston. 1,504,773; Aug. 12.
Valve, Flap. Z. Vencl. 1,504,288; Aug. 12.
Valve for refrigerating systems, Expansion. C. E. Anderson. 1,504,411; Aug. 12.
Valve for refrigerating systems, Expansion. G. F. Knox. 1,504,692; Aug. 12.
Valve for tanks, Automatic controlling. E. V. Anderson. 1,504,201; Aug. 12.
Valve-operating device. J. F. Dunn. 1,504,876; Aug. 12.
Valve-operating mechanism. C. H. Martin. 1,504,774; Aug. 12.
Valve, Regulating. H. J. Richter. 1,504,787; Aug. 12.
Valve-spring lifter. P. S. Graham. 1,505,019; Aug. 12.
Valve, Starting. R. F. Ringle. 1,504,976; Aug. 12.
Valveless lubricator. A. H. Carson. 1,504,429; Aug. 12.
Valveless lubricator. F. R. Spinney. 1,504,525; Aug. 12.
Vault, Burial. H. W. Collins. 1,505,006; Aug. 12.
Vehicle bodies, Adjustable seat arrangement for. H. J. Dery. 1,505,011; Aug. 12.
Vehicle bumper. W. M. Gentle. 1,504,548; Aug. 12.
Vehicle drivers, Safety device for. H. K. Hennigh. 1,504,344; Aug. 12.
Vehicle spring. F. W. Lanchester. 1,505,036; Aug. 12.
Vehicle wheel. J. E. Hale. 1,504,689; Aug. 12.
Vehicles, Device for washing. J. J. Wren. 1,504,851; Aug. 12.
Vehicles, Extensible bumper for. J. J. Dietz. 1,504,679; Aug. 12.
Vehicles, Supporting and driving attachment for motor-driven. A. Schmechel and G. Schubert. 1,504,516; Aug. 12.
Vehicles, System of preventing the theft of motor. E. Taragnoli. 1,504,282; Aug. 12.
Vehicles, Traffic signal for motor. S. F. Croy. 1,504,815; Aug. 12.
Vending machines and glass retainers for slide covers, Lock for. J. H. Mann, jr. 1,504,638; Aug. 12.
Ventilation system. R. E. Hellmund. 1,504,622; Aug. 12.
Ventilator: *See*—
Car ventilator.
Vigormeter. A. Bischoff. 1,504,929; Aug. 12.
Wall bracket. O. F. Foster. 1,504,336; Aug. 12.
Wall bracket. S. and A. Kramer. Des. 65,413; Aug. 12.
Warm-air furnace and kitchen range, Combination. C. S. Alig. 1,504,305; Aug. 12.

Washing machine, Floor-. T. Horembala. 1,504,476; Aug. 12.
Watchmen and the like, Recorder for. E. D. Chadwick. 1,504,213; Aug. 12.
Water, Apparatus for heating of. O. A. Ringbom. 1,504,839; Aug. 12.
Water deaeration, Apparatus for. G. H. Gibson. 1,504,618; Aug. 12.
Water heater, Electrical. S. E. Cook. 1,504,944; Aug. 12.
Weeder. M. Olsen. 1,504,966; Aug. 12.
Weeder, Onion. A. J. Burnheimer. 1,504,938; Aug. 12.
Weir meter. C. C. Lauritsen. 1,505,050; Aug. 12.
Welding, Electric. J. W. Meadowcroft. 1,504,367; Aug. 12.
Well casings, Method and apparatus for handling. C. R. Brown. 1,504,424; Aug. 12.
Well-drilling rig. T. W. Holley. 1,504,759; Aug. 12.
Well-pulling apparatus. C. E. Cox and O. E. Jones. 1,505,007; Aug. 12.
Well-tubing elevator. G. Krell. 1,504,354; Aug. 12.
Wells, Electrical heater for oil. P. F. Brine. 1,504,208; Aug. 12.
Wheel: *See*—
Buffing wheel.
Gear wheel.
Resilient wheel.
Turbine wheel.
Vehicle wheel.
Wheel puller and hub cap, Combined. J. B. Raviolo. 1,504,784; Aug. 12.
Wheel structure, Resilient. A. Gwathney and W. J. Bailey. 1,504,445; Aug. 12.
Wind-power generator. W. O. Miller. 1,504,259; Aug. 12.
Windshield wings, etc., Mounting for. W. La Hodny. 1,504,767; Aug. 12.
Window and other movable members, Controlling mechanism for. E. J. Johnson. 1,504,765; Aug. 12.
Window-cleaning device. K. Mukai. 1,504,641; Aug. 12.
Window construction, Metallic. T. P. Shean. 1,504,790; Aug. 12.
Wire connecter, Feed-. N. J. A. Wahlberg. 1,504,590; Aug. 12.
Wires, Apparatus for tightening form. Z. W. Scott. 1,504,647; Aug. 12.
Wireless outfits from static disturbances, Means for protecting. Q. A. Brackett. 1,504,600; Aug. 12.
Wireless telegraphy. W. M. Bruce, jr. 1,504,426; Aug. 12.
Wrapping machine. P. Pacher. 1,504,706; Aug. 12.
Wreath. B. H. Marshall. 1,504,571; Aug. 12.
Wrench: *See*—
Pet-cock wrench.
Pipe wrench.
Wrench. J. P. Coughlin. 1,504,870; Aug. 12.
Wrench. L. Satter. 1,504,909; Aug. 12.
Wringer: *See*—
Mop wringer.
Wringer. W. G. Beatty. 1,504,315; Aug. 12.
Wringing apparatus for scrubbing cloths and mop cloths. E. U. Landgraff. 1,504,356; Aug. 12.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 12, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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2— 79: 1,504,932
85: 1,504,935
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156— 14: 1,504,457
19: 1,504,810
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157— 1: 1,504,636
158— 1: 1,504,535
31: 1,504,323
83: 1,504,743
161— 9: 1,504,876
16: 1,504,546
162— 1: 1,504,468
164— 6.5: 1,504,629
49: 1,504,574
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54: 1,504,521
69: 1,504,703
117: 1,504,286
169— 17: 1,504,811
23: 1,504,831
170— 37: 1,504,259
163: 1,504,651
1,504,769
171— 252: 1,504,551
1,504,622
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172— 120: 1,504,720
152: 1,504,224
179: 1,504,553
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239: 1,504,951
245: 1,504,614
279: 1,504,438
281: 1,504,621
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173— 259: 1,504,919
264: 1,504,630
321: 1,504,859
328: 1,504,463
343: 1,504,655
360: 1,504,823
1,504,843
175— 294: 1,504,284
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358: 1,504,611
361: 1,504,625
368: 1,504,711
177— 329: 1,504,815
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339: 1,504,603
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351: 1,504,609
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1,505,031
382: 1,504,563
178— 31: 1,504,542

178— 44: 1,504,276
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179— 2: 1,504,204
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27.5: 1,504,227
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46: 1,504,406
47: 1,504,435
78: 1,504,940
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180— 9.1: 1,505,009
53: 1,504,516
54: 1,504,751
68: 1,504,803
83: 1,504,505
181— 0.5: 1,504,247
183— 2.5: 1,504,618
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184— 5: 1,504,349
11: 1,504,987
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186— 1: 1,504,705
187— 11: 1,504,415
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31: 1,504,220
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212: 1,504,281
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189— 9: 1,504,677
66: 1,504,790
90: 1,504,899
190— 51: 1,504,885
191— 12: 1,504,590
65: 1,504,599
68: 1,504,602
192— 6: 1,504,210
194— 75: 1,504,291
196— 20: 1,504,923
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197— 6.7: 1,504,598
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70: 1,504,347
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126: 1,504,434
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200— 26: 1,504,601
27: 1,505,047
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59: 1,505,041
134: 1,504,993
141: 1,504,997
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29: 1,504,312
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206— 4: 1,504,300
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37: 1,504,399
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210— 24: 1,504,329
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211— 8: 1,504,638
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14: 1,504,421
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213— 33: 1,504,591
70: 1,504,432
214— 14: 1,504,960
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216— 54: 1,504,855
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217— 7: 1,504,841
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36: 1,504,564
58: 1,504,273
69: 1,504,760
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219— 10: 1,504,367
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33: 1,504,208
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43: 1,504,269
62: 1,504,483
69: 1,505,072
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12: 1,504,962
221— 60: 1,504,920
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74: 1,504,423
78: 1,505,054
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222— 3: 1,504,701
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223— 18: 1,504,456
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224— 5: 1,504,927
29: 1,504,444
226— 2: 1,504,794
22: 1,504,838
229— 5.7: 1,504,898
27: 1,505,045
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67: 1,504,491
82: 1,504,972
232— 4: 1,504,750
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234— 37: 1,504,213
235— 3: 1,504,226
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59: 1,504,858
235— 60: 1,504,800
1,504,801
86: 1,504,632
137: 1,504,741
236— 59: 1,504,453
85: 1,504,845
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238— 102: 1,504,425
269: 1,504,262
240— 5: 1,504,952
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29: 1,504,467
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63: 1,505,069
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192: 1,504,529
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247— 3: 1,505,076
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25: R. 15,891
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148: 1,504,737
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35: 1,505,007
61: 1,504,852
256— 35: 1,504,494
456: 1,504,332
257— 229: 1,504,732
258— 20: 1,504,430
259— 2: 1,504,704
47: 1,504,543
85: 1,504,832
134: 1,504,867
260— 86: 1,504,437
87: 1,504,469
152: 1,505,043
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261— 79: 1,504,265
115: 1,504,431
262— 11: 1,504,556
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263— 15: 1,504,566
1,504,656
265— 13: 1,504,871
22: 1,504,929
32: 1,504,333
48: 1,504,202
49: 1,504,559
62: 1,504,555
267— 29: 1,504,477
64: 1,505,086
66: 1,505,058
268— 14: 1,504,765
270— 27: 1,504,706
58: 1,504,256
271— 21: 1,504,914
29: 1,504,862
39: 1,504,541
274— 15: 1,505,073
37: 1,504,433
277— 1: 1,504,507
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280— 33.4: 1,504,244
97: 1,504,263
152: 1,504,510
153: 1,505,008
280— 179: 1,504,285
283— 1: 1,504,271
7: 1,505,079
12: 1,504,780
285— 71: 1,504,945
95: 1,504,662
122: 1,504,363
286— 20: 1,504,342
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287— 53: 1,504,905
288— 1: 1,504,335
290— 9: 1,504,392
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292— 229: 1,504,967
238: 1,504,544
262: 1,504,748
263: 1,504,205
332: 1,504,316
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293— 55: 1,504,548
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52: 1,504,913
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91: 1,504,354
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92: 1,504,424
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296— 44: 1,504,562
84: 1,504,767
145: 1,504,954
297— 3: R. 15,890
298— 21: 1,504,515
299— 10: 1,504,623
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38: 1,504,818
67: 1,504,868
78: 1,504,587
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301— 19: 1,504,689
32: 1,504,509
39: 1,504,649
108: 1,504,784
303— 6: 1,504,397
37: 1,504,536
63: 1,504,396
304— 33: 1,504,971

Aberfoyle Mfg. Co., Chester, Pa. Suitings manufactured from cotton and artificial-silk fibers. 188,179; Aug. 19; Serial No. 194,502; published June 10, 1924.
Abilene Candy Mfg. Co., Abilene, Tex. Candy. 188,217; Aug. 19; Serial No. 194,094; published June 10, 1924.
Abraham & Straus, Inc., New York, N. Y. Corsets. 188,064; Aug. 19; Serial No. 188,461; published May 27, 1924.
Adler, David, & Sons Company, Milwaukee, Wis. Coats, waistcoats, trousers, and overcoats. 188,056; Aug. 19; Serial No. 171,886; published May 27, 1924.
Allen-Rethemeyer Co., St. Louis, Mo. Coffee, tea, spices, etc. 188,167; Aug. 19; Serial No. 173,387; published June 10, 1924.
Allen-Rethemeyer Co., St. Louis, Mo. Coffee, tea, spices, etc. 188,241–2; Aug. 19; Serial Nos. 173,888–9; published June 3, 1924.
American Machine & Foundry Company, Jersey City, N. J., and New York, N. Y. Lead-coated articles. 188,195; Aug. 19; Serial No. 190,001; published June 3, 1924.
American Stove Company, St. Louis, Mo. Perforated inner tubes of burners for oil and gasoline stoves. 188,063; Aug. 19; Serial No. 186,818; published May 13, 1924.
American Taximeter Company, The, New York, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio. Recording devices for taximeters. 188,250; Aug. 19; Serial No. 193,376; published Apr. 22, 1924.
Amsco Products, Inc., New York, N. Y. Radio receiving sets and parts thereof. 188,035; Aug. 19; Serial No. 189,384; published June 3, 1924.
Anderson, Emmerick, Cincinnati, Ohio. Leather shoes. 188,106; Aug. 19; Serial No. 192,052; published May 20, 1924.
Andrews Escott Company, Vancouver, British Columbia, Canada. Chemical products. 188,101; Aug. 19; Serial No. 192,590; published June 3, 1924.
Arnold Cheney & Co. Inc., New York, N. Y. Dates and coffee. 188,133; Aug. 19; Serial No. 176,325; published June 10, 1924.
Auburn Rubber Company, Auburn, Ind. Rubber soles. 188,072; Aug. 19; Serial No. 193,019; published June 3, 1924.
Baccellieri Bros. & Co., Philadelphia, Pa. Fruit presses and fruit crushers. 188,304; Aug. 19.
Ballard & Ballard Co., Louisville, Ky. Self-rising wheat flour. 188,196; Aug. 19; Serial No. 190,440; published May 27, 1924.
Ballard & Ballard Co., Louisville, Ky. Self-rising wheat flour. 188,198; Aug. 19; Serial No. 190,754; published May 27, 1924.
Banner Silk Knitting Mills, Inc., The, New York, N. Y. Women's outer garments. 188,256; Aug. 19; serial No. 193,439; published June 3, 1924.
Berger Bros. Company, Philadelphia, Pa. Conductor pipe, conductor-pipe straps, heads, and elbows, gutter hangers, etc. 188,105; Aug. 19; Serial No. 192,058; published June 3, 1924.
Berger Bros. Company, Philadelphia, Pa. Boat pumps and valves. 188,231; Aug. 19; Serial No. 194,774; published June 10, 1924.
Bergseth Fish Company, Fargo, N. Dak. Sardines, fish balls, cured codfish, cheese, etc. 188,150; Aug. 19; Serial No. 186,408; published June 3, 1924.
Blanke, C. F., Tea & Coffee Co., St. Louis, Mo. Coffee. 188,132; Aug. 19; Serial No. 175,842; published June 10, 1924.
Blechman, S., & Sons, Inc., New York, N. Y. Handkerchiefs, table covers, toweling, etc. 188,146; Aug. 19; Serial No. 184,159; published Oct. 2, 1923.
Bond, Charles, Company, Philadelphia, Pa. Loom pickers. 188,113; Aug. 19; Serial No. 193,802; published June 3, 1924.
Bonwit Teller & Co., New York, N. Y. Corsets. 188,094; Aug. 19; Serial No. 194,431; published May 27, 1924.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 188,067; Aug. 19; Serial No. 190,443; published May 20, 1924.
Bovio Bros., Inc., New York, N. Y. Ladies' and misses' hats. 188,033; Aug. 19; Serial No. 188,946; published June 3, 1924.
Bradford Dyers' Association, Limited, The, Bradford, England. Cotton, woolen, and admixtures of cotton and wool piece goods. 188,069; Aug. 19; Serial No. 191,296; published June 3, 1924.
Bradford Dyers' Association, Limited, The, Bradford, England. Linings, being piece goods. 188,189; Aug. 19; Serial No. 191,297; published June 10, 1924.
Bradford Dyers' Association, Limited, The, Bradford, England. Cotton piece goods. 188,190; Aug. 19; Serial No. 191,294; published June 10, 1924.
Bright, Claude H., jr., Memphis, Tenn. Ledger-posting machines. 188,045; Aug. 19; Serial No. 189,881; published June 10, 1924.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 188,077; Aug. 19; Serial No. 192,595; published June 3, 1924.
Buddie Equipment Company, The, Cleveland, Ohio. Saw rigs. 188,202; Aug. 19; Serial No. 192,477; published June 3, 1924.
Bunte Brothers, Chicago, Ill. Candy. 188,257; Aug. 19; Serial No. 193,446; published June 10, 1924.
Bursley, G. E., & Company, Fort Wayne, Ind. Mixture of coffee and chicory. 188,272; Aug. 19; Serial No. 195,861; published June 10, 1924.
Butler, James, assignor to James Butler Grocery Company, New York, N. Y. Tea. 25,594; renewed Dec. 4, 1924.
Carmel Valley Fruit Growers Association, Monterey, Calif. Fresh pears. 188,160; Aug. 19; Serial No. 196,154; published June 10, 1924.
Carver File Co., also doing business as Delta File Works, Philadelphia, Pa. Metal surfacer. 188,204; Aug. 19; Serial No. 193,385; published June 3, 1924.
Catucci, Pliny, Newark, N. J. Fishing reels. 188,153; Aug. 19; Serial No. 196,428; published June 10, 1924.
Centemeri, P., & Co., New York, N. Y. Leather and fabric gloves and hosiery. 188,148; Aug. 19; Serial No. 185,431; published June 3, 1924.
Central Shoe Company, St. Louis, Mo. Shoes. 188,104; Aug. 19; Serial No. 192,306; published May 27, 1924.
Chesterman-Leeland Company, Philadelphia, Pa. Hernial trusses. 188,152; Aug. 19; Serial No. 196,437; published June 10, 1924.
Christoffers, Bernhardt, New York, N. Y. Wheat flour. 188,197; Aug. 19; Serial No. 190,675; published May 27, 1924.
Christopher Mercantile Company, Kansas City, Mo. Canned fruits, vegetables, and berries. 188,270; Aug. 19; Serial No. 195,804; published June 3, 1924.
City Mills Company, Columbus, Ga. Wheat shorts, wheat bran, fancy feed, and chicken feed. 188,122; Aug. 19; Serial No. 195,048; published June 3, 1924.
Cleveland Shoe Manufacturing Co., The, Cleveland, Ohio. Oxfords and boots. 188,038; Aug. 19; Serial No. 182,736; published June 3, 1924.
Coca-Cola Bottling Company, The, Wichita, Kans. Candy. 188,103; Aug. 19; Serial No. 192,308; published June 3, 1924.
Cohen, Goldman & Co., Inc., New York, N. Y. Outer garments. 188,092; Aug. 19; Serial No. 193,156; published June 3, 1924.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, silk, or mixtures thereof. 188,176; Aug. 19; Serial No. 195,262; published June 10, 1924.
Cotter, R. E., Co., San Francisco, Calif. Canned fish. 188,159; Aug. 19; Serial No. 196,155; published June 10, 1924.
Craven, Oscar C., doing business as Jiffy Company, Philadelphia, Pa. Knife, scissors, and edge-tool sharpeners. 188,142; Aug. 19; Serial No. 196,009; published June 3, 1924.
Cresca Company, New York, N. Y. Canned sausages, snails, truffled purée of liver, and crab meat, etc. 188,052; Aug. 19; Serial No. 117,772; published June 3, 1924.
Dandy Hosiery Shops, Bayonne, N. J. Stockings. 188,057; Aug. 19; Serial No. 172,264; published May 6, 1924.
Defiance Dairy Products Company, The, Defiance, Ohio. Evaporated milk. 188,273; Aug. 19; Serial No. 195,874; published June 3, 1924.
Delta File Works. (See Carver File Co.)
De Vilbiss Manufacturing Co., The, Toledo, Ohio. Complexion, hair, nail, hat, cloth, bath, and tooth brushes. 188,281; Aug. 19.
De Vivo, Pasquale, New York, N. Y. Salad oil. 188,265; Aug. 19; Serial No. 195,056; published June 3, 1924.
Devoe & Raynolds Co., Inc., New York, N. Y. Varnish. 188,290; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint and varnish. 188,291; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Varnish. 188,292–3; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint. 188,294; Aug. 19.
Devoe & Raynolds Co., New York, N. Y. Paint enamel. 188,295; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paints. 188,296; Aug. 19.
Dewart Milk Products Co. Inc., Dewart, Delaware Township, Northumberland County, Pa. Butter and powdered milk. 188,213; Aug. 19; Serial No. 194,166; published June 3, 1924.
Dominant Knitting Mills, New York, N. Y. Articles of apparel. 188,147; Aug. 19; Serial No. 184,785; published June 3, 1924.
Donovan, Katherine T., doing business as Vanran Gum Co., Lynn, Mass. Chewing gum. 188,215–16; Aug. 19; Serial No. 194,098–9; published June 10, 1924.

Dover Stamping & Manufacturing Company, Cambridge, Mass. Measuring containers and measures for liquids. 188,277; Aug. 19.

Dover Stamping & Manufacturing Company, Cambridge, Mass. Egg beaters, scoops, coal sieves, etc. 188,278; Aug. 19.

Dry Buttermilk Company, Waseca, Minn. Dehydrated pasteurized sweet-cream buttermilk powder. 188,155; Aug. 19; Serial No. 196,337; published June 10, 1924.

Duff's Sardines. (See Esberg, Alfred L.)

Duplan Silk Corporation, New York, N. Y. Artificial-silk yarns. 188,172; Aug. 19; Serial No. 196,376; published June 10, 1924.

Duplan Silk Corporation, New York, N. Y. Artificial-silk yarns. 188,173; Aug. 19; Serial No. 196,375; published June 10, 1924.

Edwards, Henry C., also doing business as Imperial Fruit Products Co., Los Angeles, Calif. Dates, walnut meats, fig conserve, etc. 188,047; Aug. 19; Serial No. 180,366; published June 10, 1924.

Ehrenberg, Bertram, New York, N. Y. Cotton and woolen piece goods, and combinations of cotton, wool, etc. 188,181; Aug. 19; Serial No. 194,398; published June 10, 1924.

Eichenbaum, Harry P., Arlington Heights, Ill. Drum trap. 188,062; Aug. 19; Serial No. 186,633; published June 3, 1924.

Elk River Coal & Lumber Co., Dundon, W. Va. Coal. 188,301; Aug. 19.

Elvin Radio Company. (See Levin, Ellis L.)

Elyria Enameled Products Company, The, Elyria, Ohio, assignor to The Pfaudler Company, Rochester, N. Y. Enameled metal products. 188,315; Aug. 19.

Ensign-Bickford Co., The, Simsbury, Conn. Fuse. 188,178; Aug. 19; Serial No. 195,163; published June 10, 1924.

Esberg, Alfred L., doing business as Duff's Sardines, San Francisco, Calif. Canned sardines. 188,091; Aug. 19; Serial No. 190,093; published June 10, 1924.

Fair & Martin, Inc., Atlanta, Ga. Canned fruits, vegetables, and pimientos. 188,078; Aug. 19; Serial No. 192,321; published June 3, 1924.

Farm Products Sales Co., Hayward, Calif. Fresh deciduous fruits, fresh vegetables, and dried fruits. 188,276; Aug. 19; Serial No. 195,951; published June 10, 1924.

Federal Supply Co., The, Fort Worth, Tex. Rotary well drilling and fishing tools. 188,166; Aug. 19; Serial No. 174,960; published June 10, 1924.

Feustman-Rubin Company, name changed to Stuart Undergarment Company, Philadelphia, Pa. Nightgowns, pyjamas, vests, step-ins, etc. 188,229; Aug. 19; Serial No. 193,763; published June 3, 1924.

Fleming-Green Co. Inc., Montgomery, Ala. Mayonnaise, sandwich filling, and Thousand Island dressing. 188,061; Aug. 19; Serial No. 185,576; published Apr. 22, 1924.

Flowers, Sumpter L., Nampa, Idaho. Whole-grain food mixture. 188,129; Aug. 19; Serial No. 195,952; published June 3, 1924.

Food Products Distributing Company, The, Cuyahoga Falls, Ohio. Mayonnaise and vegetable sandwich relish. 188,245; Aug. 19; Serial No. 193,278; published June 3, 1924.

Ford, C. Gibson, Baltimore, Md. Flavoring extracts and emulsions. 188,282; Aug. 19.

Frank, Richard, doing business as Richard Frank & Co., New York, N. Y. Flavoring extracts. 188,219; Aug. 19; Serial No. 194,054; published June 3, 1924.

Franke, Carl D., doing business as Paris Cleaning Co., Springfield, Ill. Suits, overcoats, dresses, ladies' fur-trimmed coats, etc. 188,220; Aug. 19; Serial No. 193,998; published June 3, 1924.

Fullerton Sanitary Creamery, Fullerton, Calif. Buttermilk, pasteurized milk. 188,025; Aug. 19; Serial No. 186,898; published June 3, 1924.

Funkhouser, William J., doing business as Funkhouser Rubber Co., Fort Worth, Tex. Pneumatic rubber and rubber and fabric tires. 188,312; Aug. 19.

Gallo, Mario, San Francisco, Calif. Ice cream rolled in cake. 188,046; Aug. 19. Serial No. 180,278; published June 3, 1924.

Garrett, Richard D., Tucumcari, N. Mex. Table sirups and jellies. 188,165; Aug. 19; Serial No. 183,208; published June 3, 1924.

Gibson Appliance Company, Hopewell and Richmond, Va. Dishwashers. 188,206; Aug. 19; Serial No. 193,587; published June 3, 1924.

Glendora Lemon Growers Assn., Glendora, Calif. Fresh lemons. 188,211; Aug. 19; Serial No. 194,183; published June 10, 1924.

Glendora Lemon Growers Assn., Glendora, Calif. Fresh lemons. 188,212; Aug. 19. Serial No. 194,181; published June 10, 1924.

Glockner, Lee G., Los Angeles, Calif. Holders and handles for safety-razor blades. 188,191; Aug. 19; Serial No. 179,095; published June 3, 1924.

Golden State Milk Company, Vallejo, Calif. Butter. 188,039; Aug. 19; Serial No. 182,798; published Jan. 29, 1924.

Golo Slipper Company, New York, N. Y. Shoes and house and bedroom slippers. 188,110; Aug. 19; Serial No. 191,430; published May 20, 1924.

Goodman & Suss, Inc., Rochester, N. Y. Suits and overcoats for men and boys. 188,305; Aug. 19.

Gossard, H. W., Co., The, Chicago, Ill. Corsets and girdles. 188,107; Aug. 19; Serial No. 192,017; published May 27, 1924.

Grammes, L. F., & Sons, Inc., Allentown, Pa. Wooden spoons. 188,128; Aug. 19; Serial No. 195,882; published June 3, 1924.

Greene, Edward J., Toledo, Ohio. Motor stores. 188,306; Aug. 19.

Greenspan, Marius, doing business as Union Special Rubber Company, Chicago, Ill. Automobile, truck, and motor cycle rubber tires. 188,309; Aug. 19.

Greenwald, Oscar, Brooklyn, N. Y. Pessaries. 188,193; Aug. 19; Serial No. 182,657; published June 3, 1924.

Guenther, Emil, doing business as Guenther & Handel, Springfield, Mass. Pickles, marmalade, jelly, etc. 188,059; Aug. 19; Serial No. 178,188; published June 3, 1924.

Guignie, Leon F., doing business as L. F. Guignie, Grenoble, France. Leather gloves. 188,087; Aug. 19; Serial No. 190,683; published June 3, 1924.

Haas Brothers, San Francisco, Calif. Canned fruits, vegetables, and fish. 188,164; Aug. 19; Serial No. 195,958; published June 10, 1924.

Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 188,311; Aug. 19.

Hammond, G. H., Company, The, Chicago, Ill. Packinghouse products. 188,192; Aug. 19. Serial No. 180,475; published June 3, 1924.

Harum David, Canning Co. Inc., Homer, N. Y. Canned vegetables. 188,227–8; Aug. 19; Serial Nos. 193,769–70; published June 10, 1924.

Hawes, Elmer E., New York, N. Y. Canvas pulley covering. 188,140; Aug. 19; Serial No. 195,687; published June 3, 1924.

Hearn, James A., & Son Inc., New York, N. Y. Hot-water bottles and syringes. 188,286; Aug. 19.

Hearn, James A., & Son Inc., New York, N. Y. Linen and cotton tablecloths, towels, and napkins. 188,307; Aug. 19.

Heberlein & Co., A. G., Wattwil, Switzerland. Cotton fabrics in the piece. 188,065; Aug. 19; Serial No. 188,482; published June 3, 1924.

Heller, B., & Company, Chicago, Ill. Dry powder preparation used in making pies. 188,263; Aug. 19; Serial No. 194,866; published June 10, 1924.

Hespenheide & Thompson, York, Pa. Poultry feeds. 188,117; Aug. 19; Serial No. 194,348; published May 27, 1924.

Hikecut Company. (See Van der Vyzh, Frans.)

Hilgers, John, Binghamton, N. Y. Manicure sets. 188,161; Aug. 19; Serial No. 196,114; published June 10, 1924.

Hoffman, Herman, New York, N. Y. Silks and satins in the piece. 188,177; Aug. 19; Serial No. 195,228; published June 10, 1924.

Hol-Som Candy Specialty Co. Inc., Baltimore, Md. Candy. 188,041; Aug. 19; Serial No. 189,716; published June 10, 1924.

Honey-Mint Company, The, Barbourville, Ky. Cough and cold sirups, spirits of camphor, mineral oil, and Epsom salts. 188,284; Aug. 19.

Hopf, Herman, Buffalo, N. Y. Sash and door lock. 188,163; Aug. 19; Serial No. 195,962; published June 10, 1924.

House, Jacob, & Sons, Buffalo, N. Y. Prepared cake icing. 188,135; Aug. 19; Serial No. 177,223; published June 10, 1924.

Hudson, J. L., Company, The, Detroit, Mich. Men's hats. 188,066; Aug. 19; Serial No. 189,853; published May 20, 1924.

Hulman & Co., Terre Haute, Ind. Canned vegetables, beans, fruits, and salmon, coffee. 188,169; Aug. 19; Serial No. 170,817; published June 3, 1924.

Ideal Power Lawn Mower Company, Lansing, Mich. Power lawn mowers. 188,258; Aug. 19; Serial No. 193,522; published June 10, 1924.

Imperial Fruit Products Co. (See Edwards, Henry C.)

Ingram, Frederick F., Co., Detroit, Mich. Magnifying mirrors for examining skin texture. 188,199; Aug. 19; Serial No. 191,131; published June 3, 1924.

International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Leather shoes and felt slippers. 188,109; Aug. 19; Serial No. 191,624; published May 27, 1924.

Irvine Company, The, Tustin, Calif. Tomatoes and rhubarb. 188,208; Aug. 19; Serial No. 193,773; published June 3, 1924.

Irvin-Harrisons & Crosfield, Inc., San Francisco, Calif. Wheat flour. 188,251; Aug. 19; Serial No. 193,400; published May 27, 1924.

Jaburg Bros. Inc., New York, N. Y. Cake mixture. 188,083; Aug. 19; Serial No. 191,488; published Mar. 18, 1924.

Jaquith, Forrest L., Keene, N. H. Polish for automobiles, pianos, furniture, etc. 188,279; Aug. 19.

Jessop Steel Company, Washington, Pa. Carbon tool steel. 188,096; Aug. 19; Serial No. 194,070; published June 3, 1924.

Jessop Steel Company, Washington, Pa. Oil-hardening steel. 188,097; Aug. 19; Serial No. 194,069; published June 3, 1924.

Jessop Steel Company, Washington, Pa. Carbon tool steel. 188,098; Aug. 19; Serial No. 194,067; published June 3, 1924.

Jessop Steel Company, Washington, Pa. Carbon tool steel. 188,116; Aug. 19; Serial No. 194,066; published June 3, 1924.

Jessop Steel Company, Washington, Pa. High-speed steel. 188,131; Aug. 19; Serial No. 194,065; published June 3, 1924.

Jocken, Albert H., Saginaw, Mich. Ice-cream confections. 188,081; Aug. 19; Serial No. 191,770; published June 3, 1924.

Johns-Manville, Incorporated, New York, N. Y. Rod and valve-stem packing. 188,300; Aug. 19.

Johnson, Alfred, Skate Company, The, Chicago, Ill. Skates. 188,074; Aug. 19; Serial No. 192,979; published June 10, 1924.

Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. 188,120; Aug. 19; Serial No. 194,647; published June 3, 1924.

Juvenile Shoe Corporation of America, The, Carthage, Mo. Boots, shoes, and sandals. 188,237; Aug. 19; Serial No. 189,676; published May 13, 1924.

Kahn's, E., Sons Company, The, Cincinnati, Ohio. Meats, lard. 188,049; Aug. 19; Serial No. 182,154; published May 27, 1924.

Kernan, Christine M., Philadelphia, Pa. Candy. 188,171; Aug. 19; Serial No. 111,966; published Apr. 22, 1919.

Kibler, A. B. & D. B., Lakeland, Fla. Fresh oranges, grapefruit, and tangerines. 188,232; Aug. 19; Serial No. 194,194; published June 10, 1924.

Kidd, Mrs. E. G., Incorporated, Richmond, Va. Pickles. 188,156; Aug. 19; Serial No. 196,307; published June 10, 1924.

King, William, Shalford, England. Massaging stone for use on the skin. 188,079; Aug. 19; Serial No. 191,833; published June 10, 1924.

Kinnickinnic Tackle Co., River Falls, Wis. Fishing tackle. 188,082; Aug. 19; Serial No. 191,492; published June 10, 1924.

Kitts, S. Wight, doing business as Kitts Food Co., New Brunswick, N. J. Preparation for colds, canker, pneumonia, and diphtheritic roup in poultry. 188,280; Aug. 19.

Knox Glass Bottle Company, Knox, Pa. Glass bottles. 188,175; Aug. 19; Serial No. 195,403; published June 10, 1924.

Kokomo Stamped Metal Co., Kokomo, Ind. Roller skates. 188,244; Aug. 19; Serial No. 193,339; published June 10, 1924.

Kolesch & Co., New York, N. Y. Drawing instruments and materials. 188,168; Aug. 19; Serial No. 171,177; published June 10, 1924.

Kream Kup Company, Chicago, Ill. Edible food receptacles. 188,080; Aug. 19; Serial No. 191,776; published June 3, 1924.

Krier Preserving Company Inc., Belgium, Wis. Canned peas. 188,268; Aug. 19; Serial No. 195,523; published June 10, 1924.

Lansburg & Bro. Inc., Washington, D. C. Corsets and brassières. 188,093; Aug. 19; Serial No. 194,457; published May 27, 1924.

La Société des Caves et des Producteurs Réunis, Roquefort, France. Cheese. 25,285; renewed Oct. 2, 1924.

Legg, A. C., Packing Co. Inc., Birmingham, Ala. Sausage seasoning. 188,088; Aug. 19; Serial No. 190,506; published June 3, 1924.

Leston Company, St. Louis, Mo. Mayonnaise and Thousand Island salad dressing. 188,154; Aug. 19; Serial No. 196,393; published June 10, 1924.

Levin, Ellis L., doing business as Elvin Radio Company, Philadelphia, Pa. Radio tuning inductance coil. 188,084; Aug. 19; Serial No. 191,386; published May 6, 1924.

Lewis Mears Company, Boston, Mass. Eggs. 188,271; Aug. 19; Serial No. 195,824; published June 3, 1924.

Lindfelt Manufacturing Company, Des Moines, Iowa. Gloves and mittens. 188,310; Aug. 19.

Little, A. E., Company, Lynn, Mass. Boots, shoes, and slippers. 188,029–32; Aug. 19; Serial No. 188,760–3; published June 3, 1924.

Lord-Mott Co. (See Roberts, Roy E.)

Lucey Slicing Machine Co., Chicago, Ill. Slicing machines. 188,050; Aug. 19; Serial No. 182,158; published June 10, 1924.

Lucido Brothers Grocery Company, Granite City, Ill. Canned fruits and vegetables, prepared mustard. 188,090; Aug. 19; Serial No. 190,109; published June 3, 1924.

Maison Jenny Société Anonyme, Paris, France. Women's tailor-made suits, dresses, mantles, etc. 188,261; Aug. 19; Serial No. 193,669; published June 3, 1924.

Maltop, Inc., Buffalo, N. Y. Food drinks. 188,076; Aug. 19; Serial No. 192,709; published June 3, 1924.

Marsh, M., & Son, Inc., Wheeling, W. Va. Stogies. 188,302; Aug. 19.

Marshak, Sam'l. A., doing business as Marshak Maltmilk Co., Brooklyn, N. Y. Food product. 188,223; Aug. 19; Serial No. 193,938; published June 3, 1924.

Martinson, Joseph, New York, N. Y. Coffee. 188,299; Aug. 19.

Matrix Candy Corporation, New York, N. Y. Chocolate in bar form, hard candy, chocolate cream candy. 188,099; Aug. 19; Serial No. 193,407; published June 3, 1924.

May Department Stores Company, St. Louis, Mo. Shoes. 188,068; Aug. 19; Serial No. 191,079; published May 20, 1924.

Melodew Corporation, New York, N. Y., assignor, by mesne assignments, to Melodew Products Inc. Prepared liquid chocolate. 188,037; Aug. 19; Serial No. 182,380; published June 10, 1924.

Meyer, Wise & Kaichen Co., The, Cincinnati, Ohio. Garters, shirts, and belts. 188,222; Aug. 19; Serial No. 193,940; published June 3, 1924.

Migel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk and wool crêpe in the piece. 188,186; Aug. 19; Serial No. 193,411; published June 10, 1924.

Minor, P. W., & Sons, Inc., Batavia, N. Y. Leather shoes. 188,095; Aug. 19; Serial No. 194,075; published May 27, 1924.

Model Mill Company, Jackson, Tenn. Wheat flour. 188,118; Aug. 19; Serial No. 194,366; published May 27, 1924.

Moore-Lowry Flour Mills Company, The, Wichita and Kansas City, Kans., and Kansas City, Mo. Wheat flour. 188,114–15; Aug. 19; Serial Nos. 194,015–16; published May 27, 1924.

Moore-Lowry Flour Mills Company, The, Wichita and Kansas City, Kans., and Kansas City, Mo. Wheat flour. 188,209; Aug. 19; Serial No. 193,779; published May 27, 1924.

Morse, Samuel, New York, N. Y. Scarfs, chokers, and stoles. 188,224; Aug. 19; Serial No. 193,847; published June 3, 1924.

Mozzul Candy Co., Chicago, Ill. Candy. 188,036; Aug. 19; Serial No. 189,467; published June 10, 1924.

Mullikin, Wm. T., Co., Inc., Philadelphia, Pa. Salted peanuts, peanut butter, etc. 188,313; Aug. 19.

Multiplex Manufacturing Company, Berwick, Pa. Pistons for engines. 188,200; Aug. 19; Serial No. 192,412; published June 3, 1924.

Myers, Willis S., Palm Springs, Calif. Fresh dates and date butter. 188,027; Aug. 19; Serial No. 188,272; published June 10, 1924.

National Bottling Company, St. Louis, Mo. Nonalcoholic beverages sold as soft drinks. 188,266; Aug. 19; Serial No. 195,119; published June 10, 1924.

National Nougat Company, New York, N. Y., Chocolate nougat bars. 188,221; Aug. 19; Serial No. 193,943; published June 10, 1924.

Natomah Sales Corporation, Chicago, Ill. Barley-malt sirup for food purposes. 188,259; Aug. 19; Serial No. 193,612; published June 3, 1924.

National Tinsel Mfg. Co., Manitowoc, Wis. Tinsel ornaments. 188,264; Aug. 19; Serial No. 194,937; published June 10, 1924.

Near East Relief, Washington, D. C. Cotton, wool, etc., piece goods, lace, rugs, etc. 188,183; Aug. 19; Serial No. 193,945; published June 10, 1924.

Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Condensed and evaporated milk. 188,089; Aug. 19; Serial No. 190,424; published June 3, 1924.

New Castle Grocery Co., New Castle, Pa. Canned vegetables, fruits, and berries, wheat flour, etc. 188,252; Aug. 19; Serial No. 193,415; published June 10, 1924.

New England Fish Co., Boston, Mass. Canned fish. 188,144; Aug. 19; Serial No. 183,532; published June 10, 1924.

New Jersey Pickle Works, Long Branch, N. J. Mayonnaise, pepper relish, horse-radish, and pickles. 188,086; Aug. 19; Serial No. 190,740; published June 3, 1924.

Norma Chocolate Company, Inc., Brooklyn, N. Y. Chocolate. 188,026; Aug. 19; Serial No. 187,067; published June 3, 1924.

Nurnberg Thermometer Co., New York, N. Y. Thermometers. 188,119; Aug. 19; Serial No. 194,370; published June 3, 1924.

Oakes & Burger Co., Cattaraugus, N. Y. Cheese presses, curd mills, milk coolers, etc. 188,207; Aug. 19; Serial No. 193,618; published June 3, 1924.

Ohio Confection Co., The, Cleveland, Ohio. Candy. 188,269; Aug. 19; Serial No. 195,533; published June 10, 1924.

Ohmer Fare Register Company. (See American Taximeter Company, assignor.)

Palmer, The Firm of Solon, assignor to Solon Palmer, New York, N. Y. Perfumery, sachet powders, and soap. 24,962; renewed July 3, 1924.

Paris Cleaning Co. (See Franke, Carl D.)

Pathe-Cinema, Anciens Etablissements Pathe Freres, Paris, France. Cameras, photographic apparatus, stereoscopes, etc. 188,042–4; Aug. 19; Serial Nos. 189,811–13; published June 10, 1924.

Pelzer Manufacturing Co., The, Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Cotton piece goods. 25,704; renewed Dec. 25, 1924.

Peoria Casket Co., Peoria, Ill. Prie-dieus. 188,314; Aug. 19.

Perlmann, Schal & Stern Inc., New York, N. Y. Centerpieces, doilies, tablecloths, etc. 188,180; Aug. 19; Serial No. 193,855; published June 10, 1924.

Perlmann, Schal & Stern Inc., New York, N. Y. Centerpieces, doilies, tablecloths, etc. 188,184; Aug. 19; Serial No. 193,854; published June 10, 1924.

Perlmann, Schal & Stern Inc., New York, N. Y. Centerpieces, doilies, tablecloths, etc. 188,185; Aug. 19; Serial No. 193,852; published June 10, 1924.

Peter Paul Candy Manufacturing Company, Incorporated, Naugatuck, Conn. Candy. 188,218; Aug. 19; Serial No. 194,076; published June 10, 1924.
Pfaudler Company, The. (See Elyria Enameled Products Company.)
Pinnacle Packing Company, Medford, Oreg. Boxed fresh apples and pears. 188,253; Aug. 19; Serial No. 193,419; published June 10, 1924.
Pittsburgh Malleable Iron Co., Pittsburgh, Pa. Wrenches. 188,150; Aug. 19; Serial No. 195,984; published June 3, 1924.
Philippine Desiccated Coconut Corporation, New York, N. Y. Desiccated Cocoanut. 188,145; Aug. 19; Serial No. 183,988; published June 3, 1924.
Phoenix Hosiery Company, Milwaukee, Wis. Children's and ladies' underwear. 188,028; Aug. 19; Serial No. 188,325; published June 3, 1924.
Primset Company, New York, N. Y. Mechanical device for the correction of flat and protruding ears. 188,127; Aug. 19; Serial No. 195,762; published June 3, 1924.
Progressive Hat Mfg. Co., St. Louis, Mo. Hats. 188,040; Aug. 19; Serial No. 189,639; published June 3, 1924.
Prosser, Thomas & Son, New York, N. Y. Boiler-tube expanders. 188,143; Aug. 19; Serial No. 196,071; published June 3, 1924.
Queen City Products, Inc., Buffalo, N. Y. Knitted caps. 188,108; Aug. 19; Serial No. 191,910; published May 20, 1924.
Ray-Maling Co, Inc., Portland, Oreg. Canned fruits. 188,238; Aug. 19; Serial No. 192,426; published June 3, 1924.
Ray-Maling Co. Inc., Portland, Oreg. Canned fruits and berries. 188,239; Aug. 19; Serial No. 192,423; published June 3, 1924.
Ray-Maling Co. Inc., Portland, Oreg. Canned fruits. 188,240; Aug. 19; Serial No. 192,422; published June 3, 1924.
Reach, A. J., Company, Philadelphia, Pa. Sporting goods. 188,235; Aug. 19; Serial No. 194,619; published June 10, 1924.
Regal Knitting Company, New York, N. Y. Knitted wear for infants and children. 188,058; Aug. 19; Serial No. 172,293; published Aug. 7, 1923.
Reliable Incubator and Brooder Company, Quincy, Ill. Incubators and brooders. 24,983; renewed July 3, 1924.
Reppin Manufacturing Company. (See Van der Vygh, Frans.)
Reynolds, Wm. T., & Co. Inc., Poughkeepsie, N. Y. Coffee. 188,283; Aug. 19.
Roberts, Roy E., doing business as Lord-Mott Co., Baltimore, Md. Canned fruits and vegetables. 188,102; Aug. 19; Serial No. 192,498; published June 3, 1924.
Robinson Silk Company, Inc., New York and Astoria, N. Y. Piece goods made of silk. 188,174; Aug. 19; Serial No. 195,461; published June 10, 1924.
Roe, William G., Winter Haven, Fla. Fresh citrous fruits. 188,274; Aug. 19; Serial No. 195,912; published June 10, 1924.
Rome Metallic Bedstead Co., Rome, N. Y. Brass and steel bedsteads, couch hammocks, steel cots, etc. 188,316; Aug. 19.
Ropp, Eugène, Beaume-les-Dames, France. Smoking pipes, cigar and cigarette holders, pipe, cigar, and cigarette cases. 188,048; Aug. 19; Serial No. 180,497; published May 20, 1924.
Rotary Snow Plow Company, The, Minneapolis, Minn. Rotary snowplows. 188,141; Aug. 19; Serial No. 195,716; published June 3, 1924.
Rubin, Jennie, doing business as Union Dental Instrument Mfg. Company, Philadelphia, Pa. Dental instruments. 188,123; Aug. 19; Serial No. 195,075; published June 3, 1924.
Rugby Knitting Mills, Buffalo, N. Y. Knitted bathing suits and underwear. 188,055; Aug. 19; Serial No. 171,743; published May 27, 1924.
Russell Grader Manufacturing Company, Minneapolis, Minn. Road-grading machines. 188,134; Aug. 19; Serial No. 176,430; published June 10, 1924.
Safety Pulling Machine Company, The, Independence, Kans. Pulling machines for oil wells. 188,139; Aug. 19; Serial No. 194,949; published June 3, 1924.
Sanitary Devices Corporation, Boston, Mass. Sanitary door knobs and pull handles, toilet seats, etc. 188,060; Aug. 19; Serial No. 178,195; published June 3, 1924.
Scheidt, Adam, Brewing Co., Norristown, Pa. Ginger ale, carbonated water, etc. 188,236; Aug. 19; Serial No. 194,623; published June 10, 1924.
Schoen & Yondorf Co. Inc., New York, N. Y. Dolls. 188,214; Aug. 19; Serial No. 194,131; published June 10, 1924.
Schrader's, A., Son, Inc., Brooklyn, N. Y. Pneumatic-tire valves, valve insides, dust caps for valves, and nuts. 188,053; Aug. 19; Serial No. 128,372; published June 3, 1924.
Sears and Nichols Canning Co., The, Chillicothe, Ohio. Canned vegetables, tomato catchup, chili sauce. 188,260; Aug. 19; Serial No. 193,630; published June 3, 1924.
Selz, Schwab & Co., Inc., Chicago, Ill. Leather and rubber boots and shoes. 188,111; Aug. 19; Serial No. 191,410; published May 27, 1924.
Service Radio Corporation, New York, N. Y. Radio outfits, devices, and accessories. 188,246–9; Aug. 19; Serial No. 193,360–3; published Apr. 29, 1924.
Seville Laboratories, Chicago, Ill. Soaps. 188,303; Aug. 19.
Smith-Jackson Company, Newcastle, Ind. Vinegar, tapioca, peanut butter, chili sauce, etc. 188,051; Aug. 19; Serial No. 182,272; published June 3, 1924.
Societe Anonyme des Aeroplanes G. Voisin, Paris, France. Aeroplanes, together with their detached pieces and accessories, automobiles, etc. 188,243; Aug. 19; Serial No. 141,536; published Jan. 29, 1924.
Société Anonyme du Loden Français, Paris, France. Waterproof coats. 188,149; Aug. 19; Serial No. 185,501; published Jan. 8, 1924.
Societe Rodier, Paris, France. Piece goods of wool, cotton, silk, and mixtures of the same. 188,188; Aug. 19; Serial No. 192,584; published June 10, 1924.
Southern Citrus Packing Company, Inc., Lakeland, Fla. Fresh citrous fruits. 188,201; Aug. 19; Serial No. 192,439; published June 3, 1924.
Stanley Works, The, New Britain, Conn. Vises, bit braces, breast drills, planes, etc. 188,254; Aug. 19; Serial No. 193,427; published June 10, 1924.
Stephens Grocer Co., Champaign, Ill. Canned pork and beans. 188,136; Aug. 19; Serial No. 179,064; published June 10, 1924.
Stuart Undergarment Company. (See Feustman-Rubin Company.)
Sugar Creek Creamery Co., Danville, Ill. Unsalted butter. 188,126; Aug. 19; Serial No. 195,550; published May 27, 1924.
Sun-Ade Syrup Company, Inc., Providence, R. I. Orange drink and sirup for making the same. 188,288; Aug. 19.
Swift and Company, Chicago, Ill. Bacon. 188,157–8; Aug. 19; Serial Nos. 196,207–8; published June 10, 1924.
Taylor Corporation, The, Los Angeles, Calif. Canned enchiladas, spaghetti, chili powder, etc. 188,308; Aug. 19.
Tharinger Macaroni Company, Milwaukee, Wis. Macaroni, spaghetti, vermicelli, and egg noodles. 188,234; Aug. 19; Serial No. 194,580; published June 3, 1924.
Toloma Creamery, Los Angeles, Calif. Butter, eggs, and cheese. 188,121; Aug. 19; Serial No. 194,679; published May 27, 1924.
Torrington Company, The, Torrington, Conn. Ice picks. 188,205; Aug. 19; Serial No. 193,555; published June 3, 1924.
Touraine Glove Co., Inc., Boston, Mass. Gloves. 188,054; Aug. 19; Serial No. 168,227; published May 27, 1924.
Union Dental Instrument Mfg. Company. (See Rubin, Jeanie.)
Union Special Machine Company, Chicago, Ill. Sewing machines. 188,137–8; Aug. 19; Serial Nos. 194,757–8; published June 3, 1924.
Union Special Rubber Company. (See Greenspan, Marius.)
Union Thread Company, The, Cincinnati, Ohio. Thread. 188,182; Aug. 19; Serial No. 194,226; published June 10, 1924.
United Baking Co., Inc., Schenectady, N. Y. Bread. 188,124; Aug. 19; Serial No. 195,467; published May 27, 1924.
United Cigarette Machine Company, Gesellschaft mit beschränkter Haftung, Dresden, Germany. Tobacco and cigarette machines. 188,070–1; Aug. 19; Serial Nos. 191,352–3; published June 3, 1924.
United Cigarette Machine Company Gesellschaft mit beschränkter Haftung, Dresden, Germany. Tobacco and cigarette machines. 188,112; Aug. 19; Serial No. 191,354; published June 3, 1924.
U. S. Agricultural Co., South Omaha, Nebr. Stock and poultry feeds. 188,194; Aug. 19; Serial No. 182,842; published May 27, 1924.
Urban, George, Milling Company, Buffalo, N. Y. Self-rising flour. 188,125; Aug. 19; Serial No. 195,468; published May 27, 1924.
Uvalde Rock Asphalt Company, San Antonio, Tex. Crushed rock for road buildings. 188,289; Aug. 19.
Van der Vygh, Frans, doing business as Reppin Manufacturing Company, New York, N. Y. Pliers, scissors, and pocketknives. 188,210; Aug. 19; Serial No. 193,792; published June 3, 1924.
Van der Vygh, Frans, doing business as Hikecut Company, New York, N. Y. Pocketknives, scissors, shears, pliers, nippers. 188,226; Aug. 19; Serial No. 193,791; published June 10, 1924.
Vanran Gum Co. (See Donovan, Katherine T.)
Venardos, John, Alton, Ill. Ice cream, water ices, sherbets, and frozen custards. 188,233; Aug. 19; Serial No. 194,422; published June 3, 1924.
Von Petravič, Julius, doing business as J. von Petravič & Co., Vienna, Austria. Typewriters and parts thereof. 188,075; Aug. 19; Serial No. 192,807; published June 10, 1924.
Wade, John, & Sons Inc., Memphis, Tenn. Cream meal. 188,275; Aug. 19; Serial No. 195,926; published June 3, 1924.
Watson, S. M., & Co., Inc., Cordele, Ga. Leather belt lacings. 188,297; Aug. 19.
Weinrich, A. F., doing business as Weinrich Pickle Co., Los Angeles, Calif. Pickles. 188,267; Aug. 19; Serial No. 195,471; published June 3, 1924.

Weiss & Zahler, New York, N. Y. Men's and boys' neckties. 188,262; Aug. 19; Serial No. 193,690; published June 3, 1924.
West, Robert S., Cleveland, Ohio, assignor to West Disinfecting Company, New York, N. Y. Disinfecting fluid. 25,795; renewed Jan. 1, 1925.
Western Rawhide & Belting Co., Milwaukee, Wis. Round leather belting. 188,285; Aug. 19.
Westgate Sea Products Co., San Diego, Calif. Canned tunny fish. 188,151; Aug. 19; Serial No. 186,817; published June 3, 1924.
Wetbling-Bakley Lock Corporation, Orange, N. J. Electric permutation lock. 188,162; Aug. 19; Serial No. 196,040; published June 10, 1924.
Wilson, H. A., Company, The, Newark, N. J. Thermostatic controls. 188,225; Aug. 19; Serial No. 193,793; published June 10, 1924.
Winston, Harper, Fisher Company, Minneapolis, Minn. Canned fish balls, lobster, oysters, and salmon, etc. 188,170; Aug. 19; Serial No. 166,119; published June 3, 1924.
Wise, Lewis, Co. Inc., New York, N. Y. Bathrobes and dressing gowns for men. 188,073; Aug. 19; Serial No. 192,980; published June 3, 1924.
Wahl, L., & Co., New York, N. Y. Combined creeper and romper. 188,253; Aug. 19; Serial No. 193,436; published June 3, 1924.
Wonnina Box Cigar Company, New York, N. Y. Cigars. 188,085; Aug. 19; Serial No. 190,751; published June 10, 1924.
World Bottling Co., Ltd., New Orleans, La. Beverage sold as a soft drink. 188,034; Aug. 19; Serial No. 189,022; published Mar. 18, 1924.
Wright, M. M., Company, Limited, Vancouver, British Columbia, Canada. Chemical products. 188,100; Aug. 19; Serial No. 192,657; published June 3, 1924.
Yonkers Fur Dressing Company, Inc., Yonkers, N. Y. Dressed skins. 188,298; Aug. 19.
York Manufacturing Company, New York, N. Y. Voile in the piece. 188,187; Aug. 19; Serial No. 193,016; published May 13, 1924.
Ziegler Manufacturing Company, St. Louis, Mo. Hats. 188,203; Aug. 19; Serial No. 192,747; published June 3, 1924.
Zionts, L. A., McKees Rocks, Pa. Men's suits. 188,230; Aug. 19; Serial No. 193,747; published June 3, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Alco Remedies Company, Jacksonville, Fla. Anti Lance. For a Preparation or Remedy for Boils, Abscesses, and Carbuncles. 27,725; Aug. 19.
Armstrong Cork Company, Pittsburgh, Pa. Armstrong's Corks. For Bags Containing Corks. 27,726; Aug. 19.
Bushman, Victor, & Co., Boston, Mass. Fibre-rite. For a Chemical Compound Used for the Protection of Animal Fibers Against the Injurious Action of Alkalies. 27,727; Aug. 19.
Carbo-Septic Corporation, Rahway, N. J. Carbo-Septic. For a Gargle for Sore Throat. 27,728; Aug. 19.
Duarte Orchards Company, Duarte, Calif. Young America. For Oranges. 27,730; Aug. 19.
Franklin Company, The, Chicago, Ill. Animals. For Animal Cookies. 27,731; Aug. 19.
Freihofer Baking Company, Philadelphia, Pa. Freihofer's Raisin Bread. For Bread. 27,732; Aug. 19.
Frisch, Emile, Chicago, Ill. Frisch Wrapper. For Bread. 27,733; Aug. 19.
Golden State Nut Company, Los Angeles, Calif. Black Squirrel Brand. For Nut Packages. 27,734; Aug. 19.
Groth, B. L., Chicago, Ill. Trade at Home Magazine. For Cover for Magazines. 27,735; Aug. 19.
Hauft, Joe F., Harlingen, Tex. City Cream Crust Bakery. For Bakers' Bread. 27,736; Aug. 19.
Hoey, Henry J., Minneapolis, Minn. PolishAll. For a Cleaning and Polishing Preparation. 27,737; Aug. 19.
Knuth, Herman A., Bingham, Utah. Alofa Bread. For Baked Bread. 27,738; Aug. 19.
Levi, Simon, Company, Los Angeles, Calif. Seal. For Canned Tomatoes. 27,739; Aug. 19.
Life Savers, Inc., Port Chester, N. Y. Life Saver Orange Fruit Drops. For Candies. 27,740; Aug. 19.
Life Savers, Inc., Port Chester, N. Y. Life Saver Lime Fruit Drops. For Candies. 27,741; Aug. 19.
Life Savers, Inc., Port Chester, N. Y. Life Saver Lemon Fruit Drops. For Candies. 27,742; Aug. 19.
Loft Incorporated, New York, N. Y. Flower Beauty No. 2. For Candies. 27,743; Aug. 19.
Loft Incorporated, New York, N. Y. Flower Beauty No. 1. For Candies. 27,744; Aug. 19.
Loft Incorporated, New York, N. Y. Revery. For Candies. 27,745; Aug. 19.
Mid-West Paper Mills, Fort Madison, Iowa. Big Chief Bread. For Bread. 27,746; Aug. 19.
Milwaukee Paper Box Company, Milwaukee, Wis. Peggy Davis Candies. For Boxes Containing Candy. 27,747; Aug. 19.
Peper, Christian, Tobacco Co., St. Louis, Mo. Tooth Pick Plug Tobacco. For Tobacco. 27,729; Aug. 19.
Robbins, L. G., Salt Lake City, Utah. Robbins E-Z Cleaner. For Paste Form of a Cleaning Compound. 27,748; Aug. 19.
Silica Gel Products Corporation, The, Baltimore, Md. Silox, Complimentary Sample. For a Prophylactic Antiseptic Dusting Powder. 27,749; Aug. 19.
Waxide Paper Company, Kansas City, Mo. Butter-Top. For Bread. 27,750; Aug. 19.
Waxide Paper Company, Kansas City, Mo. Whole Wheat. For Bread. Nos. 27,751–2; Aug. 19.
Wheeler, Reuben A., San Francisco and Stockton, Calif. Wheeler. For Fresh Grapes. 27,753; Aug. 19.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Edwards, Wm., Co., The, Cleveland, Ohio. A Treat To Eat. For Chili Sauce and Tomato Catchup. 7,558; Aug. 19.
Fashion Apparel, Inc., doing business as Fashion Frockmakers, Inc., New York, N. Y. Fashion Frocks. For Dresses and Frocks. 7,559; Aug. 19.
Fashion Frockmakers, Inc. (See Fashion Apparel, Inc.)
Iceberg Hearts Co., Minneapolis, Minn. Iceberg Hearts. For Ice Cream. 7,560; Aug. 19.
Marshak Maltmolak Co. Inc., Brooklyn, N. Y. The Scale Tells the Tale. For a Food Product Consisting of Chocolate, Malt, and Milk. 7,561; Aug. 19.
Parker, Lester, Fort Worth, Tex. The Sign of the Purple Elephant. For Gasoline and Other Oils. 7,562; Aug. 19.
Reinhardt, John W., Stair Co. (See Reinhardt, William H.)
Reinhardt, William H., doing business as John W. Reinhardt Stair Co., St. Louis, Mo. Fit-Rite Millwork. For General Millwork. 7,563; Aug. 19.
Remington Arms Company, Inc., New York, N. Y. Remington Hi-Speed Cartridges. For Ammunition. 7,564; Aug. 19.
Remington Arms Company, Inc., New York, N. Y. Shoot Remington Game Loads. For Ammunition. 7,565; Aug. 19.
Salmon, Walter L., St. Paul, Minn., and Winnipeg, Canada. Picardy Corn Cobs. For Candy. 7,566; Aug. 19.
Sandoz Chemical Company Limited, The, Bradford, England. Zyp, The Finishing Touch. For a Liquid Preparation Capable of Being Used in Conjunction with Soap or Other Substances in the Wash Tub. 7,567; Aug. 19.
U. S. Materials Co., Chicago, Ill. Elastica The Waterproofed Stucco. For an Exterior Wall Plaster or Stucco. 7,568; Aug. 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Children's automobiles and bicycles. 198,492; Aug. 19.
Adler, Jacob, Brooklyn, N. Y., assignor to Adler Chemical Co., Portland, Oreg. Wood fillers. 190,665; Aug. 19.
Ahrens, Frances S., doing business as Rosemonts Products Co., Bethlehem, Pa. Salad dressing. 198,276; Aug. 19.
Akron Grocery Company, The, Akron, Ohio. Canned fruits, vegetables, and pork and beans. 191,591; Aug. 19.
Aktiebolaget Yvy-Fabriken, Ystad, Sweden. Knife polish, shaving soap, polishing stone, etc. 191,114; Aug. 19.
Altman Fellerman Silk Company, Inc., New York, N. Y. Silk, imitation silk, pongee, and sea-island cotton. 189,227; Aug. 19.
American Chain Company, Inc., New York, N. Y., and Bridgeport, Conn. Base-metal chain, eyebolts, repair links, etc. 199,201; Aug. 19.
American Gauze and Cotton Company, Cape Girardeau, Mo. Absorbent cotton, cotton gauze and bandages, plasters. 197,793; Aug. 19.
American Gauze & Cotton Company, Cape Girardeau, Mo. Absorbent cotton, cotton gauze and bandages, plasters. 198,104; Aug. 19.
American Grinder Manufacturing Co., Milwaukee, Wis. Tools, power grinders, and sickle attachments. 197,181; Aug. 19.
Anciens Etablissements Georges Guy, Paris, France. Kid and hides. 197,646; Aug. 19.
Arosalts Company, Atlanta, Ga. Aromatic Epsom salts. 199,598; Aug. 19.
Arrow Paint & Wall Paper Company, Denver, Colo. Paints, paint enamels, lead, varnishes, stains. 182,642; Aug. 19.
Art Craft Fixture Co., Newark, N. J. Toys—namely, horses, wagons, dump carts, bells, wheelbarrows. 195,856; Aug. 19.
Art Metal Products Company, Chicago, Ill. Radiator covers. 197,241; Aug. 19.
Associated Feature Service. (See Loscalzo, Dominick.)
Aunt Lou Medicine Company. (See Hickman & Dozier.)
Baldwin Perfumery Co., The, Chicago, Ill. Hairdressings, perfumes, and essences, etc. 194,770; Aug. 19.
Barrett, Charles E., doing business as Barrett Liniment Co., New York, N. Y. Liniment. 194,248–9; Aug. 19.
Barton, Charles, doing business as National Plating Works, Jacksonville, Fla. Automobile accessories. 192,750; Aug. 19.
Baulig, Theodore F., Egg Harbor City, N. J. Pyjamas, union suits, shirts, etc. 196,726; Aug. 19.
Baumann, Edward F., Cromwell, Conn. Flowering plants—to wit, pansies. 170,117; Aug. 19.
Benjamin, E. V., Company, Inc., doing business as Maginnis Cotton Mills, New Orleans, La. Cotton piece goods. 199,456; Aug. 19.
Benjamin Electric Manufacturing Company, Chicago, Ill. Enameled stamped metal table tops and kitchen shelves. 166,031; Aug. 19.
Better Fruit Publishing Company, Portland, Ore. Magazine. 197,854; Aug. 19.
Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 199,339; Aug. 19.
Binney & Smith Company, New York, N. Y. Black pigments for paints and varnishes. 197,184; Aug. 19.
Black Diamond Chain Co. (See Cole, Chester D., & Winslow J. Burtt.)
Blake, Moffitt & Towne, San Francisco, Calif. Building paper. 197,529; Aug. 19.
Blanchette & Gazzara Corp., Chicago, Ill. Canned meats, relishes, spices, butter, etc. 193,568; Aug. 19.
Blank, Frederick, & Co., doing business as United States Cotton Mills, New York, N. Y. Cotton sheetings. 147,151; Aug. 19.
Booth, F. E., Co., San Francisco, Calif. Canned fruit. 162,714; Aug. 19.
Booth, F. E., Co., San Francisco, Calif. Canned fruit. 184,810; Aug. 19.
Bradford Dyeing Association (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,143–4; Aug. 19.
Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 199,146; Aug. 19.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,212; Aug. 19.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,214; Aug. 19.
Brookpark Coal & Supply Company, The, Cleveland, Ohio. Coal. 198,840; Aug. 19.
Bryant, Edward Company, Boston, Mass. Lime. 185,953; Aug. 19.

Bumgardner, Dayton, Chicago, Ill. Attachments for dentures. 198,452; Aug. 19.
Burpee, W. Atlee, Company, Philadelphia, Pa. Flower bulbs. 196,727; Aug. 19.
C. G. Spring & Bumper Company, The, Detroit, Mich. Nickel-plated articles. 198,985; Aug. 19.
C. M. S., Inc., Tarrytown, N. Y. Conveyers, paint and enamel application machines. 197,468; Aug. 19.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 198,054; Aug. 19.
Cain Oil Company, San Antonio, Tex. Lubricating oils and greases. 194,525; Aug. 19.
California Almond Confections Company. (See Prentiss, William, jr.)
Camas Pharmacy. (See Thayer, Arthur.)
Cardinell, John D., doing business as Cardinell-Sales Co., assignor to Ink-Out Mfg. Co., Inc., Montclair, N. J. Chemical preparation for use as an ink eradicator. 189,841; Aug. 19.
Carey, Olivia H., Chicago, Ill. Salve. 199,537; Aug. 19.
Carpenter, Frank, doing business as The Velvo Baking Powder Co., Charleston, S. C. Baking powder. 198,112; Aug. 19.
Carr Fastener Company, Cambridge, Mass. Lubricants. 199,107; Aug. 19.
Cathcart and Cathcart, Inc., Newburgh, N. Y. Pharmaceutical preparation. 198,984; Aug. 19.
Cavalliotis, Sophie M., doing business as Latona Laboratories, New York, N. Y. Vanishing day cream and night cream. 179,132; Aug. 19.
Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Berlin, Germany. Preparation for washing and scouring. 196,905; Aug. 19.
Cole, Chester D., & Winslow J. Burtt, doing business as Black Diamond Chain Co., Bradford, Haverhill, Mass. Antiskid chains and hooks for the same. 163,970; Aug. 19.
Consumers Oil Company, The, Dayton, Ohio. Gasoline, kerosene, etc. 198,621; Aug. 19.
"Corn-Off" Co., Los Angeles, Calif. Remedy for corns, calli, and bunions. 183,197; Aug. 19.
Crawford & Stanley, Salem, Ohio. Medicinal pads. 195,499; Aug. 19.
Cupid Hair Curler Co., Lowell, Mass. Hair curler. 196,334; Aug. 19.
David, B. Edmund, Inc., New York, N. Y. Silk piece goods. 195,500–1; Aug. 19.
Denver Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa meal. 197,326; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Varnish. 197,707; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Putty. 197,712; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint. 197,713; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Varnishes. 197,714; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint. 197,717; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Paint and varnish. 197,719; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint. 197,722; Aug. 19.
Devoe & Raynolds Co., Inc., New York, N. Y. Paint and varnish. 197,723; Aug. 19.
Dewey, H. T., & Sons Company, New York, N. Y. Wine tonic. 198,991; Aug. 19.
Downward, Thomas H., doing business as Elastic Compound Paint Company, Philadelphia, Pa. Filling and priming compound. 195,223; Aug. 19.
Egg-O-Wave Company. (See Pyle, Charles G.)
Ehrman Bros. Horn & Company, San Francisco, Calif. Cigars. 199,832; Aug. 19.
Ehrman Bros. Horn & Company, San Francisco, Calif. Cigars. 199,834–5; Aug. 19.
Elastic Compound Paint Company. (See Downward, Thomas H.)
Endocrine Institute, Inc., New York, N. Y. Ovoid pills to be used in organo-therapy. 199,166; Aug. 19.
Epstein, Isaac, Newark, N. J. Canned and preserved fish. 198,628; Aug. 19.
Etablissements François Société Anonyme Bressoux, near Liege, Belgium. Compressed-air engines. 199,221; Aug. 19.
Eukol Chemical Company, Inc., New York, N. Y. Composition of matter to be used in the form of a mouth wash. 180,422; Aug. 19.
Fahlstrom, Adolph A., doing business as R-juna Chemical Company, Minneapolis, Minn. Skin cream and tooth paste. 184,283; Aug. 19.

Fellinger, Elizabeth, doing business as Elizabeth Fellinger School of Beauty Culture, New York, N. Y. Face powders and creams, toilet water, rouges, etc. 199,548; Aug. 19.
Fel-Oyle Company, The, Findlay, Ohio. Gasoline. 199,279; Aug. 19.
Ferrolene Oxygen Company of America, Cleveland, Ohio. Gaseous fuel compounds. 199,615; Aug. 19.
Filbert, Calvert B., New Orleans, La. Composition for road and pavement construction and for waterproofing of same. 198,632; Aug. 19.
Fitch, F. W., Company, The, Des Moines, Iowa. Hair tonic. 196,734; Aug. 19.
Fluegelman & Co. Inc., New York, N. Y. Trade publications. 199,282; Aug. 19.
Fruitland Fruit Association, The, Fruitland, Idaho. Fresh apples and prunes. 197,069; Aug. 19.
Galvanic Chemical Co., St. Louis, Mo. Liquid dentifrices and tooth paste. 199,000; Aug. 19.
Gedeon Richter Laboratories, Inc., New York, N. Y. "Bismosalvan" used for the treatment of syphilis. 198,516; Aug. 19.
Gilbert & Co., Inc., New York, N. Y. Finger rings. 198,349–53; Aug. 19.
Gilbert & Co., Inc., New York, N. Y. Finger rings. 198,355–6; Aug. 19.
Glenn & Esslugton, doing business as Orlando Morning Sentinel, Orlando, Fla. Heading for newspaper articles. 198,233; Aug. 19.
Glover, H. Clay, Co., Inc., New York, N. Y. Animal medicines. 199,552; Aug. 19.
Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Metal lath. 186,991; Aug. 19.
Gorayeb, S. S., & Bros., New York, N. Y. Window screens. 198,132; Aug. 19.
Graham Paper Company, St. Louis, Mo. Carpet felt. 197,877; Aug. 19.
Greaney, Thomas E., doing business as Standard Neckwear Company, Boston, Mass. Neckties. 195,883; Aug. 19.
Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 199,473–4; Aug. 19.
Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 199,476; Aug. 19.
Haartz, J. C., Company, Boston, Mass. Piece goods made wholly or in part of cloth and composition. 197,879; Aug. 19.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, artificial silk, wool, etc. 198,862–4; Aug. 19.
Haklisch, Frank, doing business as Reflecto Wash & Polish Co., New York, N. Y. Wash and polish for automobiles, etc. 195,170; Aug. 19.
Hanson, David L., doing business as Mefree Chem. Co., Walnut, N. C. Composition for the treatment of pyorrhea. 199,617; Aug. 19.
Hayes, Mary S., doing business as M. S. H. Co., Boston, Mass. Hair tonic. 197,933; Aug. 19.
Hearn, James A., & Son Inc., New York, N. Y. Cold cream. 195,283; Aug. 19.
Henderson, Arza N., Watertown, N. Y. Preparation for an ointment for eczema. 196,593; Aug. 19.
Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes, etc. 196,170; Aug. 19.
Herrmann, Adolph S., New York, N. Y. Towels, face cloths, bath mats, and bath sheets. 193,772; Aug. 19.
Hickman & Dozier, doing business as Aunt Lou Medicine Company, Winnsboro, La. Tonic for sour stomach, indigestion, etc. 196,456; Aug. 19.
Hicks-Hayward Company, El Paso, Tex. Pants, coats, breeches, etc. 197,079; Aug. 19.
Higgins, Wm. A., & Co., Inc., New York, N. Y. Walnuts. 181,071; Aug. 19.
Hight, W. T., Co., The, Boston, Mass. Glass caster cups. 198,236; Aug. 19.
Hill's Mixture Corporation, Augusta, Ga. Insect destroyer or disinfectant. 179,002; Aug. 19.
Hilp, Walter J., & Co., San Francisco, Calif. Ladies' hats. 196,705; Aug. 19.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 196,303; Aug. 19.
Holt Manufacturing Company, The, Stockton, Calif. Railway locomotives. 198,307; Aug. 19.
Hughes, L. F., Mingo Junction, Ohio. Cigarettes. 199,165; Aug. 19.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, and dried fruits. 187,054; Aug. 19.
Hunt-Spiller Manufacturing Corp., Boston, Mass. Piston rings and piston-ring springs. 198,308; Aug. 19.
Huntting-Merritt Lumber Company, Limited, Vancouver, British Columbia, Canada. Shingles. 197,938; Aug. 19.
Independent Pictures Corporation, New York, N. Y. Moving pictures. 198,575; Aug. 19.
Independent Publications, Inc., The, Boston, Mass. Magazine. 196,870; Aug. 19.
Inderrieden Canning Co., Chicago, Ill. Dried raisins. 197,278; Aug. 19.
Ink-Out Mfg. Co. (See Cardinell, John D., assignor.)
Irving Engineering Sales Co., Inc., Buffalo, N. Y. Shutters for automobile radiators. 198,524; Aug. 19.
Jacawa Medicine Co., New Orleans, La. Lung balsam, herb tea, and liniment. 190,839; Aug. 19.
Jacks and Isidor, Boston, Mass. Women's and children's hats. 196,959; Aug. 19.
Jacob, Arthur, Chicago, Ill. Periodical. 199,063; Aug. 19.
Jacob, H., & Sons, Inc., doing business as Marvio Mills, New York, N. Y. Silk and cotton mixed piece goods, etc. 198,748; Aug. 19.
Joannot Fils & Cie, Paris, France. Combs. 196,707; Aug. 19.
Johnson, Scott W., doing business as Pure Drugs Products Co., Cincinnati, Ohio. Analeptic alterative nutritive body builder and blood purifier. 198,359; Aug. 19.
Johnston Fruit Company, Santa Barbara, Calif. Fresh citrous fruits. 197,817; Aug. 19.
Kaletta Co., The, St. Louis, Mo. Compound built-in altars, pulpits, pews, etc. 195,748; Aug. 19.
Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 197,250; Aug. 19.
Keuffel & Esser Company, Hoboken, N. J. Slide rules. 197,820; Aug. 19.
Keuffel & Esser Company, Hoboken, N. J. Calculating slide rules. 197,821; Aug. 19.
King, Frank O., Chicago, Ill. Dolls. 199,006–8; Aug. 19.
Ladd, John W., Co., Detroit, Mich. Creamery, milk, ice-cream, condensing, and dairy-plant equipment. 198,874; Aug. 19.
Lake Mills Canning Company, Lake Mills, Iowa. Canned corn. 198,143; Aug. 19.
Laminated Materials Company Limited, New Westminster, British Columbia, Canada. Multiply wood veneer. 193,404; Aug. 19.
Latona Laboratories. (See Cavalliotis, Sophie M.)
Lebenson, Robt. J., Corporation, The, New York, N. Y. Cotton piece goods. 199,067; Aug. 19.
Lebers, Ernest, New York, N. Y. Eggs, butter, and cheese. 199,633; Aug. 19.
Lederer, Herbert B., Corp., New York, N. Y. Textile goods in a piece, silk, artificial silk, cotton, wool, and mixtures thereof. 198,751; Aug. 19.
Leon, Henry H., Co., New York, N. Y. Handkerchiefs. 195,582; Aug. 19.
Lero Drug Company. (See Robinson, Lester G.)
Lieberman Specialty Company, Philadelphia, Pa. Sport clothes. 197,095; Aug. 19.
Lincoln Oil Refining Company, Robinson, Ill. Gasoline, kerosene, and lubricating oils. 198,145; Aug. 19.
Lindsay Chaplet & Manufacturing Company, Philadelphia, Pa. Lawn rakes. 198,413; Aug. 19.
Linkman, M., & Co., Chicago, Ill. Smoking pipes. 199,010; Aug. 19.
Lisenby Manufacturing Company, Fresno, Calif. Printing presses and parts thereof and material-feeding attachments therefor. 197,381; Aug. 19.
Loft, Incorporated, New York, N. Y. Candy. 198,146; Aug. 19.
Los Angeles Manufacturing Company, Los Angeles, Calif. Pipe joints, well casings, and water pipes. 191,777; Aug. 19.
Loscalzo, Dominick, doing business as Associated Feature Service, Brooklyn, N. Y. Prints. 198,716; Aug. 19.
Lubac Corporation, Chicago, Ill. Lubricating, etc., oils and rust remover. 180,611; Aug. 19.
Ludington, Ruby, Seattle, Wash. Facial cream. 194,931; Aug. 19.
Luhnow, Christian A., New York, N. Y. Monthly magazine. 198,810; Aug. 19.
Lunn and Sweet, Inc., Auburn, Me. Leather and fabric shoes. 192,132; Aug. 19.
Luttrell, Ethel J., Mill Valley, Calif. Game played with cards. 199,011; Aug. 19.
M. S. H. Co. (See Hayes, Mary S.)
Maginnis Cotton Mills. (See Benjamin, E. V., Company.)
Malouf, Beshara I., Brooklyn, N. Y. Windshield cleaners. 199,638; Aug. 19.
Manning, Maxwell & Moore, Inc., New York, N. Y. Copper-nickel-alloy castings. 198,004; Aug. 19.
Marvio Mills. (See Jacob, H., & Sons, Inc.)
McBratney, Robert, & Company, Incorporated, New York, N. Y. Dress and suiting linens in the piece. 199,013; Aug. 19.
McKay, Cecil C., doing business as The Van Dusen Nurseries, Geneva, N. Y. Nursery products. 197,673; Aug. 19.
Mefree Chem. Co. (See Hanson, David L.)
Merdoc Chemical Co. (See Miller, Otto H.)
Miller, Otto H., doing business as Merdoc Chemical Co., Wilmington, Del. Medicinal preparation. 198,953; Aug. 13.
Nathan & Cohen Co., Inc., New York, N. Y. Crêpe of cotton and silk. 198,082; Aug. 19.
National Aniline & Chemical Company, Inc., New York, N. Y. Laundry blue. 199,484; Aug. 19.
National Plating Works. (See Barton, Charles.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

National Society of the Sons of the American Revolution, The, Buffalo, N. Y. Magazine. 197,894; Aug. 19.
Nelson Valve Company, now by change of name Nelson Manufacturing Company, Philadelphia, Pa. Pressure gauges, manometers, indicator and steam gauges, etc. 177,614; Aug. 19.
New England Laboratory Co., Lynn, Mass. Preparation for the hair and scalp. 199,240; Aug. 19.
Nojar Manufacturing Co., Inc., New York, N. Y. Shock absorbers. 172,288; Aug. 19.
Norton Coal Mining Company, Nortonville, Ky. Coal. 198,879; Aug. 19.
Ohio State University, The, Columbus, Ohio. Periodical. 197,768; Aug. 19.
Oil and Grease Company of America, Brooklyn, N. Y. Lubricating oils and greases. 196,474; Aug. 19.
Orange Crush Co., Chicago, Ill. Nonalcoholic, nonceresl, maltless beverages. 192,493; Aug. 19.
Oriza L. Legrand. (See Schuhl, Armand.)
Orlando Morning Sentinel. (See Glenn & Essington.)
Pacific Coast Biscuit Co., Seattle, Wash. Candy. 191,183; Aug. 19.
Pacific Coast Club, Long Beach, Calif. Title for magazine. 199,016; Aug. 19.
Pacific Trading and Transport Co., Los Angeles, Calif. Fresh vegetables, grapes, melons, and canned goods, etc. 197,900; Aug. 19.
Palmigiano, Antonio, doing business as A. Palmigiano & Company, Inc., Rochester, N. Y. Olive oil. 198,246; Aug. 19.
Papadimitriw, Michael P., Akron, Ohio. Ice-cream confection. 179,676; Aug. 19.
Parker and Walker, Boston, Mass. Transmission linings for Ford cars. 198,152; Aug. 19.
Parlett Varnish Company, Inc., Baltimore, Md. Varnish. 197,901; Aug. 19.
Phelps, Jerry E., Pierre, S. Dak. Medicine for hay fever, asthma, etc. 196,619; Aug. 19.
Platt, W. C., Company, The, Cleveland, Ohio. Daily publication. 199,315; Aug. 19.
Poncerol Company, The, Philadelphia, Pa. Ointment for goiter, swollen glands, etc. 199,183; Aug. 19.
Premier Motors, Incorporated, Indianapolis, Ind. Taxicabs. 197,219; Aug. 19.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. Candy, candy-coated nuts, confections. 194,475; Aug. 19.
Procter and Gamble Company, The, Cincinnati, Ohio. Red oil. 197,904; Aug. 19.
Public Press Corporation, Inc., New York, N. Y. Daily publication. 199,321; Aug. 19.
Pure Drugs Products Co. (See Johnson, Scott W.)
Puritan Tuttle Coal Co., Inc., Columbus, Ohio. Coal. 198,673; Aug. 19.
Puritan Tuttle Coal Co., Inc., Columbus, Ohio. Coal. 198,676–7; Aug. 19.
Pyle, Charles G., doing business as Egg-O-Wave Company, Youngstown, Ohio. Hairdressing. 199,573; Aug. 19.
R-juna Chemical Company. (See Fahlstrom, Adolph A.)
Rambonnet, Carrie H., New York, N. Y. Toilet, bath, and laundry preparations. 198,423; Aug. 19.
Raymer Pharmacal Company, Philadelphia, Pa. Preparation for treatment of tubercular, pulmonary, and bronchial affections. 196,403; Aug. 19.
Reed Bros., Fort Fairfield, Me. Potatoes. 194,375; Aug. 19.
Reflecto Wash & Polish Co. (See Haklisch, Frank.)
Rich Tool Company, Chicago, Ill. Poppet valves for internal-combustion engines. 196,822–3; Aug. 19.
Richards, Buel W., Beach, N. Dak. Coal. 185,939; Aug. 19.
Richardson Company, The, Lockland, Ohio. Prepared roofing products. 193,960; Aug. 19.
Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, loading booms, etc. 197,771; Aug. 19.
Robinson, Lester G., doing business as Lero Drug Company, Baltimore, Md. Tonic tablet. 199,495; Aug. 19.
Rose, E. W., Company, Cleveland, Ohio. Preparation for the skin and scalp and an ointment for the same. 196,824; Aug. 19.
Rosemonts Products Co. (See Ahrens, Frances S.)
Rosen, Samuel S., New York, N. Y. Rodent exterminators. 195,987; Aug. 19.
Royal Blue Stores, Inc., Chicago, Ill. Canned goods, fruit preserves, relishes, etc. 194,486; Aug. 19.
Russell & Fellman, New York, N. Y. Silk goods in the piece. 198,682; Aug. 19.
Ryan-Correll Co., Johnstown, Pa. Canned beans and tomatoes. 198,765; Aug. 19.
St. Leon, Lillian, New York, N. Y. Complexion lotion. 199,095; Aug. 19.
St. Louis Pump & Equipment Company, St. Louis, Mo. Pumps for oil and other fluids and remote control valves. 195,659; Aug. 19.
St. Louis Pump & Equipment Company, St. Louis, Mo. Fluid-measuring pumps and meters. 195,660; Aug. 19.
Sauer, George A., Louisville, Ky. Automobile and furniture polish. 196,077; Aug. 19.
Schaffer, William H., Allentown, Pa. Candles. 177,052; Aug. 19.
Schuhl, Armand, doing business as Oriza L. Legrand, Paris, France. Perfumes, toilet water, etc. 199,186; Aug. 19.
Scott, M. H., Candy Company, The, Mansfield, Ohio. Candy. 182,363; Aug. 19.
Scully, D. B., Syrup Company, Chicago, Ill. Sirup. 198,034; Aug. 19.
Seckel-Fritchman and Company, a Corporation, Boise, Idaho. Coffee, tea, spices, peanut butter, etc. 192,547; Aug. 19.
Seelig, Sam, Co., Los Angeles, Calif. Publication. 198,969; Aug. 19.
Sellar, George, Glasgow, Scotland. Patterned cotton ginghams in the piece. 153,960; Aug. 19.
Seymour Troy & Co., Inc., New York and Brooklyn, N. Y. Shoes. 196,481; Aug. 19.
Sharp, L. P., doing business as Siticide Company, Commerce, Ga. Preparation for the treatment of itch and other skin diseases. 199,190; Aug. 19.
Shaw, Virgil E., Rockford, Ill. Metal flux for brazing cast iron. 197,910; Aug. 19.
Shifman Brothers, Newark, N. J. Mattresses. 197,783; Aug. 19.
Shotwell Mfg. Co., Chicago, Ill. Candy. 197,173; Aug. 19.
Simpson, Thomas, Beaumont, Tex. Medicine for gonorrhea, gleet, and stricture. 194,307; Aug. 19.
Sisson-Seielstad-Hougen Co., The, La Crosse, Wis. Canned goods, tea, coffee, etc. 187,232; Aug. 19.
Siticide Company. (See Sharp, L. J.)
Smith, Addie E., doing business as Smith Brothers, Oakland, Calif. Liquid medicine. 199,260; Aug. 19.
Snap Ball Co., Inc., Brooklyn, N. Y. Game apparatus. 196,548; Aug. 19.
Snow, Herbert W., Chicago, Ill. Medicinal preparation for coughs and colds. 196,830; Aug. 19.
Société Française Treugolnik, Levallois-Perret, Seine, France. Packings, tires, inner tubes, tire patches, and belting. 181,654; Aug. 19.
Society for Visual Education, Chicago, Ill. Picture-projection sets or outfits, picture-projection apparatus and machines, carrying cases therefor, etc. 194,676; Aug. 19.
Standard Neckwear Company. (See Greaney, Thomas E.)
Standard Oil Company, (New Jersey), Bayonne, N. J. Lubricating oils and greases. 199,580; Aug. 19.
Star Garter Co., Chicago, Ill. Sanitary step-ins, aprons, and belts. 192,936; Aug. 19.
Steinberg, M. J., Hat & Fur Co., St. Louis, Mo. Dresses, coats, suits, scarfs, etc. 196,719–20; Aug. 19.
Stewart Manufacturing Corporation, Chicago, Ill. Metal bearings. 193,140; Aug. 19.
Sykes, Sir Charles, & Sons, Limited, Netherdale, Galashiels, Scotland. Woolen piece goods. 198,385; Aug. 19.
Taylor, James E., Dallas, Tex. Oil retainer for bearings. 199,506; Aug. 19.
Technical Supply Company, Scranton, Pa. Drawing instruments. 198,587; Aug. 19.
Terry, Geo. A., Mfg. Co. Inc., Buffalo, N. Y. Liquid in which dental instruments are bathed. 197,344; Aug. 19.
Terry, Walter T., jr., Wichita, Kans. Floor and furniture wax. 197,505; Aug. 19.
Thayer, Arthur, doing business as Camas Pharmacy, Camas, Wash. Photographic prints and enlargements. 199,264; Aug. 19.
Thieme, A., Co., Chicago, Ill. Medicine for coughs and colds and for stomach, etc., troubles. 195,923; Aug. 19.
Tribune Company, The, Chicago, Ill. Newspaper column. 198,892–3; Aug. 19.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 199,508; Aug. 19.
Tryon, Edw. K., Company, Philadelphia, Pa. Fishing reels and lines, snelled hooks, artificial baits, etc. 192,225; Aug. 19.
United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Sheet-metal shingles. 174,159; Aug. 19.
United Business Service Company, Boston, Mass. Publication. 196,493; Aug. 19.
United States Cotton Mills. (See Blank, Frederick, & Co.)
United States Products Corporation, San Francisco, Calif. Dried and canned fruits and vegetables. 184,223; Aug. 19.
Van Dusen Nurseries, The. (See McKay, Cecil C.)
Van Engers, Inc., Chicago, Ill. Candy. 198,548–9; Aug. 19.
Van Loan & Company, New York, N. Y. Spices, barley, rice flour, and pearl tapioca. 195,556; Aug. 19.
Vec. Products Company, Cedar Rapids, Iowa. Take-up bolts and bearing adjusters. 197,971; Aug. 19.
Velvo Baking Powder Co., The. (See Carpenter, Frank.)
Vestal Chemical Company, St. Louis, Mo. Soaps, lavatory, toilet, and floor cleaners, and metal polishes. 197,308; Aug. 19.
Wappler Electric Company, Inc., Long Island City, N. Y. High-frequency electric machines employed in desiccation surgery. 199,098; Aug. 19.
Washington Abattoir Co. Inc., Benning, D. C. Food or tonic for plants, flowers, and shrubbery. 197,917; Aug. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

West Coast Kalsomine Company, Berkeley, Calif. Semipaste paint. 197,644; Aug. 19.
Western Maryland Dairy, Baltimore, Md. Poultry and swine food. 199,099; Aug. 19.
Western Rawhide & Belting Co., Milwaukee, Wis. Leather belting. 196,039; Aug. 19.
Western Salt Co., San Diego, Calif. Salt. 178,584; Aug. 19.
Weston Dodson & Co., Inc., Bethlehem, Pa. Coal. 199,592; Aug. 19.
Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,918; Aug. 19.
Wile, Julius, Sons & Co., New York, N. Y. Bottled and tinned anchovies, bottled capers and olives, etc. 197,524; Aug. 19.
Witte Engine Works, Kansas City, Mo. Internal-combustion engines, drag-saw outfits, tree-saw outfits, etc. 197,975; Aug. 19.
Wormmo Manufacturing Company, Bath, Me. Woolen goods in the piece. 199,449; Aug. 19.
Wright, John H., New York, N. Y. Magazine. 199,102; Aug. 19.
Youngstown Pressed Steel Company, The, Warren, Ohio. Metal channel iron, studding, bearing strips, and the like. 199,272; Aug. 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Elk River Coal & Lumber Co. 188,301; Aug. 19.
Skins, Dressed. Yonkers Fur Dressing Company. 188,298; Aug. 19.

CLASS 4.

Soaps. Seville Laboratories. 188,303; Aug. 19.

CLASS 6.

Cough and cold sirups, spirits of camphor, mineral oil, and Epsom salts. Honey-Mint Company. 188,284; Aug. 19.
Disinfecting fluid. R. S. West. 25,795; renewed Jan. 1, 1925.
Perfumery, sachet powders, and soap. Firm of Solon Palmer. 24,962; renewed July 3, 1924.
Preparation for colds, canker, pneumonia, and diphtheritic roup in poultry. S. W. Kitts. 188,280; Aug. 19.

CLASS 8.

Pipes, cigar and cigarette holders, pipe, cigar, and cigarette cases, Smoking. E. Ropp. 188,048; Aug. 19; Serial No. 180,497; published May 20, 1924.

CLASS 9.

Fuse. Ensign-Bickford Co. 188,178; Aug. 19; Serial No. 195,163; published June 10, 1924.

CLASS 10.

Chemical products. Andrews Escott Company. 188,101; Aug. 19; Serial No. 192,590; published June 3, 1924.
Chemical products. M. M. Wright Company. 188,100; Aug. 19; Serial No. 192,657; published June 3, 1924.

CLASS 12.

Rock for road building, Crushed. Uvalde Rock Asphalt Company. 188,289; Aug. 19.

CLASS 13.

Drum trap. H. P. Eichenbaum. 188,062; Aug. 19; Serial No. 186,633; published June 3, 1924.
Lead-coated articles. American Machine & Foundry Company. 188,195; Aug. 19; Serial No. 190,001; published June 3, 1924.
Pipe, conductor-pipe heads, and elbows, gutter hangers, etc., Conductor. Berger Bros. Company. 188,105; Aug. 19; Serial No. 192,058; published June 3, 1924.
Sanitary door knobs and pull handles, toilet seats, etc. Sanitary Devices Corporation. 188,060; Aug. 19; Serial No. 178,195; published June 3, 1924.
Tire valves, valve insides, dust caps and nuts, Pneumatic. A. Schrader's Son, Incorporated. 188,053; Aug. 19; Serial No. 128,372; published June 3, 1924.

CLASS 14.

Steel, Carbon tool. Jessop Steel Company. 188,096; Aug. 19; Serial No. 194,070; published June 3, 1924.
Steel, Carbon tool. Jessop Steel Company. 188,098; Aug. 19; Serial No. 194,067; published June 3, 1924.
Steel, Carbon tool. Jessop Steel Company. 188,116; Aug. 19; Serial No. 194,066; published June 3, 1924.
Steel, High-speed. Jessop Steel Company. 188,131; Aug. 19; Serial No. 194,065; published June 3, 1924.
Steel, Oil-hardening. Jessop Steel Company. 188,097; Aug. 19; Serial No. 194,060; published June 3, 1924.

CLASS 16.

Paint and varnish, Ready-mixed. Devoe & Raynolds Co. 188,291; Aug. 19.
Paint enamel. Devoe & Raynolds Co. 188,295; Aug. 19.
Paints, Ready-mixed. Devoe & Raynolds Co. 188,296; Aug. 19.
Polish for automobiles, pianos, furniture, etc. F. L. Jaquith; 188,279; Aug. 19.
Ready-mixed paint. Devoe & Raynolds Co. 188,294; Aug. 19.
Varnish. Devoe & Raynolds Co. 188,290; Aug. 19.
Varnish. Devoe & Raynolds Co. 188,292–3; Aug. 19.

CLASS 17.

Cigars. Wonnina Box Cigar Company. 188,085; Aug. 19; Serial No. 190,751; published June 10, 1924.
Stogies. M. Marsh & Son, Inc. 188,302; Aug. 19.

CLASS 19.

Aeroplanes, automobiles, motor cycles, etc. Societe Anonyme des Aeroplanes G. Voisin. 188,243; Aug. 19; Serial No. 141,536; published Jan. 29, 1924.
Motor stores. E. J. Greene. 188,306; Aug. 19.

CLASS 21.

Radio outfits, devices, and accessories. Service Radio Corporation. 188,246–9; Aug. 19; Serial Nos. 193,360–3; published Apr. 29, 1924.
Radio receiving sets. Amsco Products Inc. 188,035; Aug. 19; Serial No. 189,384; published June 3, 1924.
Radio tuning inductance coil. E. L. Levin. 188,084; Aug. 19; Serial No. 191,586; published May 6, 1924.

CLASS 22.

Dolls. Schoen & Yondorf Co. 188,214; Aug. 19; Serial No. 194,131; published June 10, 1924.
Fishing reels. P. Catucci. 188,153; Aug. 19; Serial No. 196,428; published June 10, 1924.
Fishing tackle. Kinnickinnic Tackle Co. 188,082; Aug. 19; Serial No. 191,492; published June 10, 1924.
Skates. Alfred Johnson Skate Company. 188,074; Aug. 19; Serial No. 192,979; published June 10, 1924.
Skates, Roller. Kokomo Stamped Metal Co. 188,244; Aug. 19; Serial No. 193,339; published June 10, 1924.
Sporting goods. A. J. Reach Company. 188,235; Aug. 19; Serial No. 194,619; published June 10, 1924.
Tinsel ornaments. National Tinsel Mfg. Co. 188,264; Aug. 19; Serial No. 194,937; published June 10, 1924.

CLASS 23.

Boiler-tube expanders. Thomas Prosser & Son. 188,143; Aug. 19; Serial No. 196,071; published June 3, 1924.
Cheese presses, curd mills, milk coolers, etc. Oakes & Burger Co. 188,207; Aug. 19; Serial No. 193,618; published June 3, 1924.
Dishwashers. Gibson Appliance Company. 188,206; Aug. 19; Serial No. 193,587; published June 3, 1924.
Egg beaters, scoops, coal sieves, etc. Dover Stamping & Manufacturing Company. 188,278; Aug. 19.
Ice picks. Torrington Company. 188,205; Aug. 19; Serial No. 193,555; published June 3, 1924.
Ledger-posting machines. C. H. Bright, jr. 188,045; Aug. 19; Serial No. 189,881; published June 10, 1924.
Loom pickers. Charles Bond Company. 188,113; Aug. 19; Serial No. 193,802; published June 3, 1924.
Metal products, Enameled. Elyria Enameled Products Company. 188,315; Aug. 19.
Metal surfacer. Carver File Co. 188,204; Aug. 19; Serial No. 193,385; published June 3, 1924.
Mowers, Power lawn. Ideal Power Lawn Mower Company. 188,258; Aug. 19; Serial No. 193,522; published June 10, 1924.
Pistons for engines. Multiplex Manufacturing Company. 188,200; Aug. 19; Serial No. 192,412; published June 3, 1924.
Pliers, scissors, and pocketknives. F. van der Vygh. 188,210; Aug. 19; Serial No. 193,702; published June 3, 1924.
Pocketknives, scissors, etc. F. van der Vygh. 188,226; Aug. 19; Serial No. 193,791; published June 10, 1924.
Presses and crushers, Fruit. Baccelleri Bros. & Co. 188,304; Aug. 19.
Pulley covering, Canvas. E. E. Hawes. 188,140; Aug. 19; Serial No. 195,687; published June 3, 1924.
Pulling machines for oil wells. Safety Pulling Machine Company. 188,139; Aug. 19; Serial No. 194,949; published June 3, 1924.
Pumps and boat-pump valves, Boat. Berger Bros. Company. 188,231; Aug. 19; Serial No. 194,774; published June 10, 1924.
Razor blades, Holders and handles for safety. L. G. Glockner. 188,191; Aug. 19; Serial No. 179,095; published June 3, 1924.

Road-grading machines. Russell Grader Manufacturing Company. 188,134; Aug. 19; Serial No. 176,430; published June 10, 1924.
Saw rigs. Buddie Equipment Company. 188,202; Aug. 19; Serial No. 192,477; published June 3, 1924.
Sewing machines. Union Special Machine Company. 188,137–8; Aug. 19; Serial Nos. 194,757–8; published June 3, 1924.
Sharpeners, Knife, scissors, and edge-tool. O. C. Craver. 188,142; Aug. 19; Serial No. 196,009; published June 3, 1924.
Slicing machines. Lucey Slicing Machine Co. 188,050; Aug. 19; Serial No. 182,158; published June 10, 1924.
Snowplows, Rotary. Rotary Snow Plow Company. 188,141; Aug. 19; Serial No. 195,716; published June 3, 1924.
Spoons, Wooden, L. F. Grammes & Sons, Inc. 188,128; Aug. 19; Serial No. 195,882; published June 3, 1924.
Tobacco and cigarette machines. United Cigarette Machine Company Gesellschaft mit beschränkter Haftung. 188,070–1; Aug. 19; Serial Nos. 191,352–3; published June 3, 1924.
Tobacco and cigarette machines. United Cigarette Machine Company Gesellschaft mit beschränkter Haftung. 188,112; Aug. 19; Serial No. 191,354; published June 3, 1924.
Typewriters and parts thereof. J. von Petravič. 188,075; Aug. 19; Serial No. 192,807; published June 10, 1924.
Vises, bit braces, planes, etc. Stanley Works. 188,254; Aug. 19; Serial No. 193,427; published June 10, 1924.
Well drilling and fishing tools. Rotary. Federal Supply Co. 188,166; Aug. 19; Serial No. 174,960; published June 10, 1924.
Wrenches. Pittsburgh Malleable Iron Co. 188,130; Aug. 19; Serial No. 195,984; published June 3, 1924.

CLASS 25.

Lock, Electric permutation. Wethling-Bakley Lock Corporation. 188,162; Aug. 19; serial No. 196,040; published June 10, 1924.
Lock, Sash and door. H. Hopf. 188,163; Aug. 19; Serial No. 195,962; published June 10, 1924.

CLASS 26.

Cameras, photographic Apparatus, stereoscopes, etc. Pathe-Cinema, Anciens Etablissements Pathe Freres. 188,042–4; Aug. 19; Serial Nos. 189,811–13; published June 10, 1924.
Drawing instruments and materials. Kolesch & Co. 188,168; Aug. 19; Serial No. 171,177; published June 10, 1924.
Measuring containers and measures for liquids. Dover Stamping & Manufacturing Company. 188,277; Aug. 19.
Taximeter recording device. American Taximeter Company. 188,250; Aug. 19; Serial No. 193,376; published April 22, 1924.
Thermostatic controls. H. A. Wilson Company. 188,225; Aug. 19; Serial No. 193,793; published June 10, 1924.

CLASS 29.

Brushes, Complexion, hair, nail, etc. De Vilbiss Manufacturing Co. 188,281; Aug. 19.

CLASS 32.

Bedsteads, steel cribs, couch hammocks, etc. Rome Metallic Bedstead Co. 188,316; Aug. 19.
Prie-dieus. Peoria Casket Co. 188,314; Aug. 19.

CLASS 33.

Glass bottles. Knox Glass Bottle Co. 188,175; Aug. 19; Serial No. 195,403; published June 10, 1924.

CLASS 34.

Burners, Perforated inner tubes of. American Stove Company. 188,063; Aug. 19; Serial No. 186,818; published May 13, 1924.

CLASS 35.

Leather belt lacings. S. M. Watson & Co. 188,297; Aug. 19.
Leather belting, Round. Western Rawhide & Belting Co. 188,285; Aug. 19.
Packing, Rod and valve-stem. Johns-Manville, Incorporated. 188,300; Aug. 19.
Tires. W. J. Funkhouser. 188,312; Aug. 19.
Tires. M. Greenspan. 188,309; Aug. 19.

CLASS 39.

Bathrobes and dresisng gowns for men. Lewis Wise Co. 188,073; Aug. 19; Serial No. 192,980; published June 3, 1924.
Bathing suits and underwear, Knitted. Rugby Knitting Mills. 188,055; Aug. 19; Serial No. 171,743; published May 27, 1924.
Boots and shoes. Selz, Schwab & Co. 188,111; Aug. 19; Serial No. 191,410; published May 27, 1924.
Boots, shoes, and sandals. Juvenile Shoe Corporation of America. 188,237; Aug. 19; Serial No. 189,676; published May 13, 1924.
Boots, shoes, and slippers. A. E. Little Company. 188,029–32; Aug. 19; Serial Nos. 188,760–3; published June 3, 1924.
Caps, Knitted. Queen City Products, Inc. 188,108; Aug. 19; Serial No. 191,910; published May 20, 1924.
Coats, waistcoats, trousers, and overcoats. David Adler & Sons Company. 188,056; Aug. 19; Serial No. 171,886; published May 27, 1924.
Coats, Waterproof. Société Anonyme du Loden Français. 188,149; Aug. 19; Serial No. 185,501; published Jan. 8, 1924.
Corsets. Abraham & Straus, Inc. 188,064; Aug. 19; Serial No. 188,461; published May 27, 1924.
Corsets. Bonwit Teller & Co. 188,094; Aug. 19; Serial 194,431; published May 27, 1924.
Corsets and brassières. Lansburgh & Bro. Inc. 188,093; Aug. 19; Serial No. 194,457; published May 27, 1924.
Corsets and girdles. H. W. Gossard Co. 188,107; Aug. 19; Serial No. 192,017; published May 27, 1924.
Creeper and romper for children, Combined. L. Wohl & Co. 188,255; Aug. 19; Serial No. 193,436; published June 3, 1924.
Dresses, cloaks, waists, etc. Banner Silk Knitting Mills, Inc. 188,256; Aug. 19; Serial No. 193,439; published June 3, 1924.
Garments, Outer. Cohen, Goldman & Co. 188,092; Aug. 19; Serial No. 193,156; published June 3, 1924.
Garters, shirts, and belts. Meyer, Wise & Kaichen Co. 188,222; Aug. 19; Serial No. 193,940; published June 3, 1924.
Gloves. Touraine Glove Co. 188,054; Aug. 19; Serial No. 168,227; published May 27, 1924.
Gloves and hosiery. P. Centemeri & Co. 188,148; Aug. 19; Serial No. 185,431; published June 3, 1924.
Gloves and mittens. Boss Manufacturing Company. 188,067; Aug. 19; Serial No. 190,443; published May 20, 1924.
Gloves and mittens. Lindfelt Manufacturing Company. 188,310; Aug. 19.
Gloves, Leather. L. F. Guignie. 188,087; Aug. 19; Serial No. 190,683; published June 3, 1924.
Hats. Progressive Hat Mfg. Co. 188,040; Aug. 19; Serial No. 189,639; published June 3, 1924.
Hats. Ziegler Manufacturing Company. 188,203; Aug. 19; Serial No. 192,747; published June 3, 1924.
Hats, Ladies' and misses'. Bovio Bros., Inc. 188,033; Aug. 19; Serial No. 188,946; published June 3, 1924.
Hats, Men's. J. L. Hudson Company. 188,066; Aug. 19; Serial No. 189,853; published May 20, 1924.
Knitted wear for infants and children. Regal Knitting Company. 188,058; Aug. 19; Serial No. 172,293; published Aug. 7, 1923.
Neckties, Mens' and boys'. Weiss & Zahler. 188,262; Aug. 19; Serial No. 193,690; published June 3, 1924.
Nightgowns, pyjamas, vests, step-ins, etc. Feustman-Rubin Company. 188,229; Aug. 19; Serial No. 193,763; published June 3, 1924.
Oxfords and boots. Cleveland Shoe Manufacturing Co. 188,038; Aug. 19; Serial No. 182,736; published June 3, 1924.
Rubber soles. Auburn Rubber Company. 188,072; Aug. 19; Serial No. 193,010; published June 3, 1924.
Scarfs, chokers, and stoles. S. Morse. 188,224; Aug. 19; Serial No. 193,847; June 3, 1924.
Shoes. Brown Shoe Company. 188,077; Aug. 19; Serial No. 192,595; published June 3, 1924.
Shoes. Central Shoe Company. 188,104; Aug. 19; Serial No. 192,306; published May 27, 1924.
Shoes. Hamilton, Brown Shoe Company. 188,311; Aug. 19.
Shoes. May Department Stores Company. 188,068; Aug. 19; Serial No. 191,079; published May 20, 1924.
Shoes. P. W. Minor & Sons, Inc. 188,095; Aug. 19; Serial No. 194,075; published May 27, 1924.
Shoes and felt slippers, Leather. International Shoe Company. 188,109; Aug. 19; Serial No. 191,624; published May 27, 1924.
Shoes and house and bedroom slippers. Golo Slipper Company. 188,110; Aug. 19; Serial No. 191,430; published May 20, 1924.
Shoes, Leather. E. Anderson. 188,106; Aug. 19; Serial No. 192,052; published May 20, 1924.
Stockings. Dandy Hosiery Shops. 188,057; Aug. 19; Serial No. 172,264; published May 6, 1924.
Suits and overcoats. Goodman & Suss, Inc. 188,305; Aug. 19.
Suits, dresses, mantles, etc. Maison Jenny Société Anonyme. 188,261; Aug. 19; Serial No. 193,669; published June 3, 1924.
Suits, Men's. L. A. Zionts. 188,230; Aug. 19; Serial No. 193,747; published June 3, 1924.
Suits, overcoats, dresses, etc. C. D. Franke. 188,220; Aug. 19; Serial No. 193,998; published June 3, 1924.
Sweaters, knit underwear, and hosiery. Dominant Knitting Mills. 188,147; Aug. 19; Serial No. 184,785; published June 3, 1924.
Underwear, Children's and ladies'. Phoenix Hosiery Company. 188,028; Aug. 19; Serial No. 188,325; published June 3, 1924.

CLASS 42.

Centerpieces, doilies, tablecloths, etc. Perlmann, Schal & Stern Inc. 188,180; Aug. 19; Serial No. 193,855; published June 10, 1924.
Centerpieces, doilies, tablecloths, etc. Perlmann, Schal & Stern Inc. 188,184; Aug. 19; Serial No. 193,854; published June 10, 1924.

Centerpieces, doilies, tablecloths, etc. Perlman, Schal & Stern Inc. 188,185; Aug. 19; Serial No. 193,852; published June 10, 1924.
Cotton and woolen piece goods and combinations of cotton, wool, etc. Bertram Ehrenberg. 188,181; Aug. 19; Serial No. 194,398; published June 10, 1924.
Cotton fabrics in the piece. Heberlein & Co., A. G. 188,065; Aug. 19; Serial No. 188,482; published June 3, 1924.
Cotton piece goods. Bradford Dyers' Association, Limited. 188,190; Aug. 19; Serial No. 191,294; published June 10, 1924.
Cotton piece goods. Pelzer Manufacturing Co. 25,704; renewed Dec. 25, 1924.
Cotton, silk, or mixtures thereof. Cohn-Hall-Marx Co. 188,176; Aug. 19; Serial No. 195,262; published June 10, 1924.
Cotton, wool, etc., piece goods, lace, rugs, etc. Near East Relief. 188,183; Aug. 19; Serial No. 193,945; published June 10, 1924.
Cotton, woolen, and admixtures of cotton and wool piece goods. Bradford Dyers' Association, Limited. 188,069; Aug. 19; Serial No. 191,296; published June 3, 1924.
Crêpe in the piece, Silk and wool. J. A. Migel, Inc. 188,186; Aug. 19; Serial No. 193,411; published June 10, 1924.
Handkerchiefs, table covers, toweling, etc. S. Blechman & Sons Inc. 188,146; Aug. 19; Serial No. 184,159; published Oct. 2, 1923.
Linings. Bradford Dyers' Association, Limited. 188,189; Aug. 19; Serial No. 191,297; published June 10, 1924.
Silk piece goods. Robinson Silk Company. 188,174; Aug. 19; Serial No. 195,461; published June 10, 1924.
Silks and satins in the piece. H. Hoffman. 188,177; Aug. 19; Serial No. 195,228; published June 10, 1924.
Suitings. Aberfoyle Mfg. Co. 188,179; Aug. 19; Serial No. 194,502; published June 10, 1924.
Tablecloths, towels, and napkins. James A. Hearn & Son Inc. 188,307; Aug. 19.
Voile in the piece. York Manufacturing Company. 188,187; Aug. 19; Serial No. 193,016; published May 13, 1924.
Wool, cotton, and silk piece goods, and mixtures of the same. Societe Rodier. 188,188; Aug. 19; Serial No. 192,584; published June 10. 1924.

CLASS 43.

Silk yarns, Artificial-. Duplan Silk Corporation. 188,173; Aug. 19; Serial No. 196,375; published June 10, 1924.
Thread. Union Thread Company. 188,182; Aug. 19; Serial No. 194,226; published June 10, 1924.
Yarns, Artificial-silk. Duplan Silk Corporation. 188,172; Aug. 19; Serial No. 196,376; published June 10, 1924.

CLASS 44.

Bottles and syringes, Hot-water. James A. Hearn & Son Inc. 188,286; Aug. 19.
Dental instruments. J. Rubin. 188,123; Aug. 19; Serial No. 195,075; published June 3, 1924.
Ears, Mechanical device for the correction of flat and protruding. Primset Company. 188,127; Aug. 19; Serial No. 195,762; published June 3, 1924.
Manicure sets. J. Hilgers. 188,161; Aug. 19; Serial No. 196,114; published June 10, 1924.
Massaging stone for use on the skin. W. King. 188,079; Aug. 19; Serial No. 191,833; published June 10, 1924.
Mirrors, Magnifying. Frederick F. Ingram Co. 188,190; Aug. 19; Serial No. 191,131; published June 3, 1924.
Pessaries. O. Greenwald. 188,193; Aug. 19; Serial No. 182,657; published June 3, 1924.
Sanitary napkins. Johnson & Johnson. 188,120; Aug. 19; Serial No. 194,647; published June 3, 1924.
Thermometers. Nurnberg Thermometer Co. 188,119; Aug. 19; Serial No. 194,370; published June 3, 1924.
Trusses, Hernial. Chesterman-Leeland Company. 188,152; Aug. 19; Serial No. 196,437; published June 10, 1924.

CLASS 45.

Beverage sold as a soft drink. World Bottling Co. 188,034; Aug. 19; Serial No. 189,022; published Mar. 18, 1924.
Beverages sold as soft drinks. National Bottling Company. 188,266; Aug. 19; Serial No. 195,119; published June 10, 1924.
Ginger ale, carbonated water, etc. Adam Scheidt Brewing Co. 188,236; Aug. 19; Serial No. 194,623; published June 10, 1924.
Orange drink and sirup for making the same. Sum-Ade Syrup Company. 188,288; Aug. 19.

CLASS 46.

Apples and pears, Boxed. Pinnacle Packing Company. 188,253; Aug. 19; Serial No. 193,419; published June 10, 1924.
Bacon. Swift and Company. 188,157–8; Aug. 19; Serial Nos. 196,207–8; published June 10, 1924.
Barley-malt sirup for food purposes. Natomah Sales Corporation. 188,259; Aug. 19; Serial No. 193,612; published June 3, 1924.
Bread. United Baking Co. 188,124; Aug. 19; Serial No. 195,467; published May 27, 1924.
Butter. Golden State Milk Company. 188,039; Aug. 19; Serial No. 182,798; published Jan. 29, 1924.
Butter and powdered milk. Dewart Milk Products Co. 188,213; Aug. 19; Serial No. 194,166; published June 3, 1924.
Butter, eggs, and cheese. Toloma Creamery. 188,121; Aug. 19; Serial No. 194,679; published May 27, 1924.
Butter, Unsalted. Sugar Creek Creamery Co. 188,126; Aug. 19; Serial No. 195,550; published May 27, 1924.
Buttermilk powder. Dry Buttermilk Company. 188,155; Aug. 19; Serial No. 196,337; published June 10, 1924.
Buttermilk, pasteurized milk. Fullerton Sanitary Creamery. 188,025; Aug. 19; Serial No. 186,898; published June 3, 1924.
Cake icing, Prepared. Jacob House & Sons. 188,135; Aug. 19; Serial No. 177,223; published June 10, 1924.
Cake mixture. Jaburg Bros. Inc. 188,083; Aug. 19; Serial No. 191,488; published Mar. 18, 1924.
Candy. Abilene Candy Mfg. Co. 188,217; Aug. 19; Serial No. 194,694; published June 10, 1924.
Candy. Bunte Brothers. 188,257; Aug. 19; Serial No. 193,446; published June 10, 1924.
Candy. Coca-Cola Bottling Company. 188,103; Aug. 19; Serial No. 192,308; published June 3, 1924.
Candy, Hol-Som Candy Specialty Co. 188,041; Aug. 19; Serial No. 189,716; published June 10, 1924.
Candy. C. M. Kernan. 188,171; Aug. 19; Serial No. 111,966; published Apr. 22, 1919.
Candy. Mozzni Candy Co. 188,036; Aug. 19; Serial No. 189,467; published June 10, 1924.
Candy. Ohio Confection Company. 188,269; Aug. 19; Serial No. 195,533; published June 10, 1924.
Candy. Peter Paul Candy Manufacturing Company. 188,218; Aug. 19; Serial No. 194,076; published June 10, 1924.
Canned enchiladas, spaghetti, chili powder, etc. Taylor Corporation. 188,308; Aug. 19.
Canned fish. R. E. Cotter Co. 188,159; Aug. 19; Serial No. 196,155; published June 10, 1924.
Canned fish. New England Fish Co. 188,144; Aug. 19; Serial No. 183,532; published June 10, 1924.
Canned fish balls, lobster, and oysters, etc. Winston, Harper, Fisher Company. 188,170; Aug. 19; Serial No. 166,119; published June 3, 1924.
Canned fruits. Ray-Maling Co. 188,238; Aug. 19; Serial No. 192,426; published June 3, 1924.
Canned fruits. Ray-Maling Co. 188,240; Aug. 19; Serial No. 192,422; published June 3, 1924.
Canned fruits and berries. Ray-Maling Co. 188,239; Aug. 19; Serial No. 192,423; published June 3, 1924.
Canned fruits and vegetables. R. E. Roberts. 188,102; Aug. 19; Serial No. 192,498; published June 3, 1924.
Canned fruits and vegetables, prepared mustard. Lucido Brothers Grocery Company. 188,090; Aug. 19; Serial No. 190,109; published June 3, 1924.
Canned fruits, vegetables, and berries. Christopher Mercantile Company. 188,270; Aug. 19; Serial No. 195,804; published June 3, 1924.
Canned fruits, vegetables, and fish. Haas Brothers. 188,164; Aug. 19; Serial No. 195,958; published June 10, 1924.
Canned fruits, vegetables, and pimentos. Fair & Martin, Inc. 188,078; Aug. 19; Serial No. 192,321; published June 3, 1924.
Canned peas. Kries Preserving Company. 188,268; Aug. 19; Serial No. 195,523; published June 10, 1924.
Canned pork and beans. Stephens Grocer Co. 188,136; Aug. 19; Serial No. 179,064; published June 10, 1924.
Canned sardines. A. I. Esberg. 188,091; Aug. 19; Serial No. 190,093; published June 10, 1924.
Canned sausages, snails, and crab meat, etc. Cresca Company. 188,052; Aug. 19; Serial No. 117,772; published June 3, 1924.
Canned tunny fish. Westgate Sea Products Co. 188,151; Aug. 19; Serial No. 186,817; published June 3, 1924.
Canned vegetables. David Harum Canning Co. 188,227–8; Aug. 19; Serial Nos. 193,769–70; published June 10, 1924.
Canned vegetables, beans, fruits, and salmon, coffee. Hulman & Co. 188,169; Aug. 19; Serial No. 170,817; published June 3, 1924.
Canned vegetables, fruits, and berries, wheat flour, etc. New Castle Grocery Co. 188,252; Aug. 19; Serial No. 193,415; published June 10, 1924.
Canned vegetables, tomato catchup, chili sauce. Sears and Nichols Canning Co. 188,260; Aug. 19; Serial No. 193,630; published June 3, 1924.
Cheese. La Société des Caves et des Producteurs Réunis. 25,285; renewed Oct. 2. 1924.
Chocolate. Norma Chocolate Company. 188,026; Aug. 19; Serial No. 187,067; published June 3, 1924.
Chocolate in bar form, hard candy, chocolate cream candy. Matrix Candy Corporation. 188,099; Aug. 19; Serial No. 193,407; published June 3, 1924.
Chocolate nougat bars. National Nougat Company. 188,221; Aug. 19; Serial No. 193,943; published June 10, 1924.
Chocolate, Prepared liquid. Melodew Corporation. 188,037; Aug. 19; Serial No. 182,380; published June 10, 1924.
Coconut, Desiccated. Philippine Desiccated Coconut Corporation. 188,145; Aug. 19; Serial No. 183,988; published June 3, 1924.
Coffee. C. F. Blanke Tea & Coffee Co. 188,132; Aug. 19; Serial No. 175,842; published June 10, 1924.
Coffee. J. Martinson. 188,299; Aug. 19.
Coffee. Wm. F. Reynolds & Co. 188,283; Aug. 19.
Coffee and chicory, Mixture of. G. E. Bursley & Company. 188,272; Aug. 19; Serial No. 195,861; published June 10, 1924.

Coffee, tea, spices, etc. Allen-Rethemeyer Co. 188,167; Aug. 19; Serial No. 173,387; published June 10, 1924.
Coffee, tea, spices, etc. Allen-Rethemeyer Co. 188,241–2; Aug. 19; Serial No. 173,388–9; published June 3, 1924.
Cream meal. John Wade & Sons, Inc. 188,275; Aug. 19; Serial No. 195,926; published June 3, 1924.
Dates and coffee. Arnold Cheney & Co. 188,133; Aug. 19; Serial No. 176,325; published June 10, 1924.
Dates and date butter, Fresh. W. S. Myers. 188,027; Aug. 19; Serial No. 188,272; published June 10, 1924.
Dates, walnut meats, fig conserve, etc. H. C. Edwards. 188,047; Aug. 19; Serial No. 180,366; published June 10, 1924.
Edible food receptacles. Kream Kup Company. 188,080; Aug. 19; Serial No. 191,776; published June 3, 1924.
Eggs. Lewis Mears Company. 188,271; Aug. 19; Serial No. 195,824; published June 3, 1924.
Feeds. U. S. Agricultural Co. 188,194; Aug. 19; Serial No. 182,842; published May 27, 1924.
Feeds, Poultry. Hespenheide & Thompson. 188,117; Aug. 19; Serial No. 194,348; published May 27, 1924.
Flavoring extracts. R. Frank. 188,219; Aug. 19; Serial No. 174,054; published June 3, 1924.
Flavoring extracts and emulsions. C. G. Ford. 188,282; Aug. 19.
Flour, Self-rising. George Urban Milling Company. 188,125; Aug. 19; Serial No. 195,468; published May 27, 1924.
Flour, Self-rising wheat. Ballard & Ballard Co. 188,196; Aug. 19; Serial No. 190,440; published May 27, 1924.
Flour, Self-rising wheat. Ballard & Ballard Co. 188,198; Aug. 19; Serial No. 190,754; published May 27, 1924.
Flour, Wheat. B. Christoffers. 188,197; Aug. 19; Serial No. 190,675; published May 27, 1924.
Flour, Wheat. Irwin-Harrisons & Crosfield, Inc. 188,251; Aug. 19; Serial No. 193,400; published May 27, 1924.
Flour, Wheat. Model Mill Company. 188,118; Aug. 19; Serial No. 194,366; published May 27, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 188,114–15; Aug. 19; Serial Nos. 194,015–16; published May 27, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 188,200; Aug. 19; Serial No. 193,779; published May 27, 1924.
Food drinks. Maltop, Inc. 188,076; Aug. 19; Serial No. 192,709; published June 3, 1924.
Food mixture, Whole-grain. L. Flowers. 188,129; Aug. 19; Serial No. 195,952; published June 3, 1924.
Food product. S. A. Marshak. 188,223; Aug. 19; Serial No. 193,938; published June 3, 1924.
Fruits, Fresh citrus. W. G. Roe. 188,274; Aug. 19; Serial No. 195,912; published June 10, 1924.
Fruits, Fresh citrous. Southern Citrus Packing Company. 188,201; Aug. 19; Serial No. 192,439; published June 3, 1924.
Fruits, fresh vegetables, and dried fruits. Fresh deciduous. Farm Products Sales Co. 188,276; Aug. 19; Serial No. 195,951; published June 10, 1924.
Gum, Chewing. K. T. Donovan. 188,215–16; Aug. 19; Serial No. 194,098–9; published June 10, 1924.
Ice-cream confections. A. H. Jocken. 188,081; Aug. 19; Serial No. 191,770; published June 3, 1924.
Ice cream rolled in cake. M. Gallo. 188,046; Aug. 19; Serial No. 180,278; published June 3, 1924.
Ice cream, water ices, etc. J. Venardos. 188,233; Aug. 19; Serial No. 194,422; published June 3, 1924.
Lemons, Fresh. Glendora Lemon Growers Assn. 188,211; Aug. 19; Serial No. 194,183; published June 10, 1924.
Lemons, Fresh. Glendora Lemon Growers Assn. 188,212; Aug. 19; Serial No. 194,181; published June 10, 1924.
Macaroni, spaghetti, etc. Tharinger Macaroni Company. 188,234; Aug. 19; Serial No. 194,580; published June 3, 1924.
Mayonnaise and Thousand Island salad dressing. Leston Company. 188,154; Aug. 19; Serial No. 196,393; published June 10, 1924.
Mayonnaise and vegetable sandwich relish. Food Products Distributing Company. 188,245; Aug. 19; Serial No. 193,278; published June 3, 1924.
Mayonnaise, pepper relish, horse-radish, pickles. New Jersey Pickle Works. 188,086; Aug. 19; Serial No. 190,740; published June 3, 1924.
Mayonnaise, sandwich filling, and Thousand Island dressing. Fleming-Green Co. 188,061; Aug. 19; Serial No. 185,576; published Apr. 22, 1924.
Meats, lard. E. Kahn's Sons Company. 188,049; Aug. 19; Serial No. 182,154; published May 27, 1924.
Milk, Condensed and evaporated. Nestlé & Anglo-Swiss Condensed Milk Co. 188,089; Aug. 19; Serial No. 190,424; published June 3, 1924.
Milk, Evaporated. Defiance Dairy Products Company. 188,273; Aug. 19; Serial No. 195,874; published June 3, 1924.
Oil, Salad. P. De Vivo. 188,265; Aug. 19; Serial No. 195,056; published June 3, 1924.
Oranges, grapefruit, and tangerines, Fresh. A. B. & D. B. Kibler. 188,232; Aug. 19; Serial No. 194,194; published June 10, 1924.
Packing-house products. G. H. Hammond Company. 188,192; Aug. 19; Serial No. 180,475; published June 3, 1924.
Peanuts, dates, etc., Salted. Wm. T. Mullikin Co. 188,313; Aug. 19.
Pears, Fresh. Carmel Valley Fruit Growers Association. 188,160; Aug. 19; Serial No. 196,154; published June 10, 1924.
Pickles. Mrs. E. G. Kidd, Incorporated. 188,156; Aug. 19; Serial No. 196,307; published June 10, 1924.
Pickles. A. F. Weinrich. 188,267; Aug. 19; Serial No. 195,471; published June 3, 1924.
Pickles, marmalade, jelly, etc. E. Guenther. 188,059; Aug. 19; Serial No. 178,188; published June 3, 1924.
Powder preparation used in making pies. B. Heller & Company. 188,263; Aug. 19; Serial No. 194,866; published June 10, 1924.
Sardines, fish balls, cheese, pickles, etc. Bergseth Fish Company. 188,150; Aug. 19; Serial No. 186,408; published June 3, 1924.
Seasoning, Sausage. A. C. Legg Packing Co. 188,088; Aug. 19; Serial No. 190,506; published June 3, 1924.
Sirups and jellies, Table. R. D. Garrett. 188,165; Aug. 19; Serial No. 183,208; published June 3, 1924.
Tea. J. Butler. 25,594; renewed Dec. 4, 1924.
Tomatoes and rhubarb. Irvine Company. 188,208; Aug. 19; Serial No. 193,773; published June 3, 1924.
Vinegar, tapioca, peanut butter, tomato catchup, etc. Smith-Jackson Company. 188,051; Aug. 19; Serial No. 182,272; published June 3, 1924.
Wheat shorts, wheat bran, fancy feed, and chicken feed. City Mills Company. 188,122; Aug. 19; Serial No. 195,048; published June 3, 1924.

CLASS 50.

Incubators and brooders. Reliable Incubator and Brooder Company. 24,983; renewed July 3, 1924.

ALPHABETICAL LIST OF LABELS.

Alofa Bread. For Baked Bread. H. A. Knuth. 27,738; Aug. 19.
Animals. For Animal Cookies. Franklin Company. 27,731; Aug. 19.
Anti Lance. For a Preparation or Remedy for Boils, Abcesses, and Carbuncles. Alco Remedies Company. 27,725; Aug. 19.
Armstrong's Corks. For Bags Containing Corks. Armstrong Cork Company. 27,726; Aug. 19.
Big Chief Bread. For Bread. Mid-West Paper Mills. 27,746; Aug. 19.
Black Squirrel Brand. For Nut Packages. Golden State Nut Company. 27,734; Aug. 19.
Butter-Top. For Bread. Waxide Paper Company. 27,750; Aug. 19.
Carbo-Septic. For a Gargle for Sore Throat. Carbo-Septic Corporation. 27,728; Aug. 19.
City Cream Crust Bakery. For Bakers' Bread. J. F. Hauft. 27,736; Aug. 19.
Fibre-rite. For a Chemical Compound Used for the Protection of Animal Fibers Against the Injurious Action of Alkalies. Victor Bushman & Co. 27,727; Aug. 19.
Flower Beauty No. 1. For Candies. Loft Incorporated. 27,744; Aug. 19.
Flower Beauty No. 2. For Candies. Loft Incorporated. 27,743; Aug. 19.
Freihofer's Raisin Bread. For Bread. Freihofer Baking Company. 27,732; Aug. 19.
Frisch Wrapper. For Bread. E. Frisch. 27,733; Aug. 19.
Life Saver Lemon Fruit Drops. For Candies. Life Savers, Inc. 27,742; Aug. 19.
Life Saver Lime Fruit Drops. For Candies. Life Savers, Inc. 27,741; Aug. 19.
Life Saver Orange Fruit Drops. For Candies. Life Savers, Inc. 27,740; Aug. 19.
Peggy Davis Candies. For Boxes Containing Candy. Milwaukee Paper Box Company. 27,747; Aug. 19.
PolishAll. For a Cleaning and Polishing Preparation. H. J. Hoey. 27,737; Aug. 19.
Revery. For Candies. Loft Incorporated. 27,745; Aug. 19.
Robbins E-Z Cleaner. For Paste Form of a Cleaning Compound. L. G. Robbins. 27,748; Aug. 19.
Seal. For Canned Tomatoes. Simon Levi Company. 27,739; Aug. 19.
Silox, Complimentary Sample. For a Prophylactic Antiseptic Dusting Powder. Silicia Gel Products Corporation. 27,749; Aug. 19.
Tooth Pick Plug Tobacco. For Tobacco. Christian Peper Tobacco Co. 27,729; Aug. 19.
Trade at Home Magazine. For Cover for Magazines. B. L. Groth. 27,735; Aug. 19.
Wheeler. For Fresh Grapes. R. A. Wheeler. 27,753; Aug. 19.
Whole Wheat. For Bread. Waxide Paper Company. 27,751–2; Aug. 19.
Young America. For Oranges. Duarte Orchards Company. 27,730; Aug. 19.

ALPHABETICAL LIST OF PRINTS.

A Treat To Eat. For Chili Sauce and Tomato Catchup. Wm. Edwards Co. 7,558; Aug. 19.
Elastica The Waterproofed Stucco. For an Exterior Wall Plaster or Stucco. U. S. Materials Co. 7,568; Aug. 19.
Fashion Frocks. For Dresses and Frocks. Fashion Apparel, Inc. 7,559; Aug. 19.
Fit-Rite Millwork. For General Millwork. W. H. Reinhardt. 7,563; Aug. 19.
Iceberg Hearts. For Ice Cream. Iceberg Hearts Co. 7,560; Aug. 19.
Picardy Corn Cobs. For Candy. W. L. Salmon. 7,566; Aug. 19.
Remington Hi-Speed Cartridges. For Ammunition. Remington Arms Company, Inc. 7,564; Aug. 19.
Shoot Remington Game Loads. For Ammunition. Remington Arms Company, Inc. 7,565; Aug. 19.
The Scale Tells the Tale. For a Food Product Consisting of Chocolate, Malt, and Milk. Marshak Maltmolak Co. Inc. 7,561; Aug. 19.
The sign of the Purple Elephant. For Gasoline and Other Oils. L. Parker. 7,562; Aug. 19.
Zyp, The Finishing Touch. For a Liquid Preparation Capable of Being Used in Conjunction with Soap or Other Substances in the Washtub. Sandoz Chemical Company Limited. 7,567; Aug. 19.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Bulbs, Flower. W. Atlee Burpee Company. 196,727; Aug. 19.
Coal. Brookpark Coal & Supply Company. 198,840; Aug. 19.
Coal. Norton Coal Mining Company. 198,879; Aug. 19.
Coal. Puritan Tuttle Coal Co. 198,673; Aug. 19.
Coal. Puritan Tuttle Coal Co. 198,676; Aug. 19.
Coal. Puritan Tuttle Coal Co. 198,677; Aug. 19.
Coal. B. W. Richards. 185,939; Aug. 19.
Coal. Weston Dodson & Co. 199,592; Aug. 19.
Kid and hides. Anciens Etablissements Georges Guy. 197,646; Aug. 19.
Nursery products. C. C. McKay. 197,673; Aug. 19.
Pitch and tar. Grubenholz-Imprägnierung. 199,473–4; Aug. 19.
Pitch and tar. Grubenholz-Imprägnierung. 199,476; Aug. 19.
Plants, Pansy. E. F. Baumann. 170,117; Aug. 19.

CLASS 4.

Dental instruments. Liquid for cleaning. Geo. A. Terry Mfg. Co. 197,344; Aug. 19.
Polish, shaving soap, polishing stone, etc., Knife. Aktiebolaget Yry-Fabriken. 191,114; Aug. 19.
Preparation for washing and scouring. Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. 196,905; Aug. 19.
Preparations for cleaning, shining, and polishing shoes, etc. Herriott Polish Company. 196,170; Aug. 19.
Soaps, lavatory and floor cleansers, and metal polishes. Vestal Chemical Company. 197,308; Aug. 19.
Toilet, bath, and laundry preparations. C. H. Rambonnet. 198,423; Aug. 19.

CLASS 6.

Analeptic alterative nutritive body builder and blood purifier. S. W. Johnson. 198,359; Aug. 19.
Baking powder. F. Carpenter. 198,112; Aug. 19.
"Bismosalvan" for the treatment of syphilis. Gedeon Richter Laboratories, Inc. 198,516; Aug. 19.
Blue, Laundry. National Aniline & Chemical Company. 199,484; Aug. 19.
Composition for the treatment of pyorrhea. D. L. Hanson. 199,617; Aug. 19.
Cream and tooth paste, Skin. A. A. Fahlstrom. 184,283; Aug. 19.
Cream, Cold. James A. Hearn & Son Inc. 195,283; Aug. 19.
Cream, Facial. R. Ludington. 194,931; Aug. 19.
Creams, Vanishing day and night. S. M. Cavalliotis. 179,132; Aug. 19.
Dentifrices and tooth paste, Liquid. Galvanic Chemical Co. 199,000; Aug. 19.
Gaseous-fuel compounds. Terrolene Oxygen Company of American. 199,615; Aug. 19.
Hairdressing. C. G. Pyle. 199,573; Aug. 19.
Hairdressings, perfumes, and essences, etc. Baldwin Perfumery Co. 194,770; Aug. 19.
Hair tonic. F. W. Fitch Company. 196,734; Aug. 19.
Hair tonic. M. S. Hayes. 197,933; Aug. 19.
Ink eradicator. J. D. Cardinell. 189,841; Aug. 19.
Insect destroyer or disinfectant. Hill's Mixture Corporation. 179,002; Aug. 19.
Liniment. C. E. Barrett. 194,248–9; Aug. 19.
Lotion complexion. L. St. Leon. 199,095; Aug. 19.
Lung balsam, herb tea, and liniment. Jacawa Medicine Co. 190,839; Aug. 19.
Medicinal preparation. O. H. Miller. 198,953; Aug. 19.
Medicinal preparation for coughs and colds. H. W. Snow. 196,830; Aug. 19.
Medicine for coughs, colds, stomach trouble, etc. A. Thieme Co. 195,923; Aug. 19.
Medicine for gonorrhea, gleet, and stricture. T. Simpson. 194,307; Aug. 19.
Medicine for hay fever, asthma, etc. J. E. Phelps. 196,619; Aug. 19.
Medicine for hoarseness, colds, etc. A. E. Smith. 199,260; Aug. 19.
Medicines, Animal. H. Clay Glover Co. 199,552; Aug. 19.
Metal flux for brazing cast iron. V. E. Shaw. 197,910; Aug. 19.
Mouth wash. Eukol Chemical Company. 180,422; Aug. 19.
Oil, Red. Procter and Gamble Company. 197,904; Aug. 19.
Ointment for goiter, swollen glands, etc. Poncerol Company. 199,183; Aug. 19.
Pads, Medicinal. Crawford & Stanley. 195,499; Aug. 19.
Perfumes, toilet water, etc. A. Schuhl. 199,186; Aug. 19.
Pharmaceutical preparation. Cathcart and Cathcart, Inc. 198,984; Aug. 19.
Pills to be used in organo-therapy, Ovoid. Endocrine Institute, Inc. 199,166; Aug. 19.
Powders, creams, rouges, etc., Face. E. Fellinger. 199,548; Aug. 19.
Preparation and ointment for the skin and scalp. E. W. Rose Company. 196,824; Aug. 19.
Preparation for an ointment for eczema. A. N. Henderson. 196,593; Aug. 19.
Preparation for the hair and scalp. New England Laboratory Co. 199,240; Aug. 19.
Preparation for treatment of itch and other skin diseases. L. J. Sharp. 199,190; Aug. 19.
Preparation for treatment of tubercular, pulmonary, and bronchial affections. Raymer Pharmacal Company. 196,403; Aug. 19.
Remedy for corns, calli, and bunions. "Corn-Off" Co. 183,197; Aug. 19.
Salt. Western Salt Co. 178,584; Aug. 19.
Salts, Aromatic Epsom. Arosalts Company. 199,598; Aug. 19.
Salve. O. H. Carey. 199,537; Aug. 19.
Tablet, Tonic. L. G. Robinson. 199,495; Aug. 19.
Tonic for sour stomach, indigestion, etc. Hickman & Dozier. 196,456; Aug. 19.
Tonic, Wine. H. T. Dewey & Sons Company. 198,991; Aug. 19.

CLASS 8.

Smoking pipes. M. Linkman & Co. 199,010; Aug. 19.

CLASS 10.

Food or tonic for plants, flowers, and shrubbery. Washington Abattoir Co. 197,917; Aug. 19.

CLASS 12.

Altars, pulpits, pews, etc. Kaletta Co. 195,748; Aug. 19.
Carpet felt. Graham Paper Company. 197,877; Aug. 19.
Lath, Metal. Goldsmith Metal Lath Company. 186,991; Aug. 19.
Lime. Edward Bryant Company. 185,953; Aug. 19.
Metal channel iron, studding, bearing strips, and the like. Youngstown Pressed Steel Company. 199,272; Aug. 19.
Paper, Building. Blake, Moffitt & Towne. 197,529; Aug. 19.
Road and pavement construction and waterproofing same, Composition for. C. B. Filbert. 198,632; Aug. 19.
Roofing products. Richardson Company. 193,960; Aug. 19.
Shingles. Huntting-Merritt Lumber Company. 197,938; Aug. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Shingles, Sheet-metal. United Alloy Steel Corporation. 174,159; Aug. 19.
Veneer, Multiply wood. Laminated Materials Company Limited. 193,404; Aug. 19.

CLASS 13.

Antiskid chains and hooks for the same. Chester D. Cole & Winslow J. Burtt. 163,970; Aug. 19.
Bolts and bearing adjusters, Take-up. Vec Products Company. 197,971; Aug. 19.
Chain, eyebolts, repair links, etc., Base-metal. American Chain Company. 199,201; Aug. 19.
Pipe joints, well casings, and water pipes. Los Angeles Manufacturing Company. 191,777; Aug. 19.
Screens, Window. S. S. Gorayeb & Bros. 198,132; Aug. 19.
Table tops and kitchen shelves, enameled stamped metal. Benjamin Electric Manufacturing Company. 166,031; Aug. 19.

CLASS 14.

Castings, Copper-nickel-alloy. Manning, Maxwell & Moore, Inc. 198,004; Aug. 19.

CLASS 15.

Gasoline. Fel-Oyle Company. 199,279; Aug. 19.
Gasoline, kerosene, and lubricating oils. Lincoln Oil Refining Company. 198,145; Aug. 19.
Gasoline, kerosene, oils, greases. Consumers Oil Company. 198,621; Aug. 19.
Lubricants. Carr Fastener Company. 199,107; Aug. 19.
Oils and greases, Lubricating. Cain Oil Company. 194,525; Aug. 19.
Oils and greases, Lubricating. Oil and Grease Company of America. 196,474; Aug. 19.
Oils and greases, Lubricating. Standard Oil Company (New Jersey). 199,580; Aug. 19.
Oils and rust remover. Lubac Corporation. 180,611; Aug. 19.

CLASS 16.

Carbon black. Godfrey L. Cabot, Inc. 198,054; Aug. 19.
Filling and priming compound. T. H. Downward. 195,223; Aug. 19.
Paint. Devoe & Raynolds Co. 197,717; Aug. 19.
Paint. Devoe & Raynolds Co. 197,722; Aug. 19.
Paint and varnish. Devoe & Raynolds Co. 197,719; Aug. 19.
Paint and varnish. Devoe & Raynolds Co. 197,723; Aug. 19.
Paint, Ready-mixed. Devoe & Raynolds Co. 197,713; Aug. 19.
Paint, Semipaste. West Coast Kalsomine Company. 197,644; Aug. 19.
Paints and varnishes, Black pigments for. Binney & Smith Company. 197,184; Aug. 19.
Paints, paint enamels, lead, varnishes, stains. Arrow Paint & Wall Paper Company. 182,642; Aug. 19.
Polish, Automobile and furniture. G. A. Sauer. 196,077; Aug. 19.
Putty. Devoe & Raynolds Co. 197,712; Aug. 19.
Varnish. Devoe & Raynolds Co. 197,707; Aug. 19.
Varnish. Parlett Varnish Company. 197,901; Aug. 19.
Varnishes. Devoe & Raynolds Co. 197,714; Aug. 19.
Wash and polish for automobiles, etc. F. Haklisch. 195,170; Aug. 19.
Wax, Floor and furniture. W. F. Terry, jr. 197,505; Aug. 19.
Wood fillers. J. Adler. 190,665; Aug. 19.

CLASS 17.

Cigarettes. L. F. Hughes. 199,165; Aug. 19.
Cigars. Ehrman Bros. Horn & Company. 199,832; Aug. 19.
Cigars. Ehrman Bros. Horn & Company. 199,834–5; Aug. 19.

CLASS 19.

Automobile accessories. C. Barton. 192,750; Aug. 19.
Automobile radiator shutters. Irving Engineering Sales Co. 198,524; Aug. 19.
Bumper parts. C. G. Spring & Bumper Company. 198,985; Aug. 19.
Shock absorbers. Nojar Manufacturing Co. 172,288; Aug. 19.
Taxicabs. Premier Motors, Incorporated. 197,219; Aug. 19.

CLASS 22.

Automobiles and bicycles, Children's. Abraham & Straus, Inc. 198,492; Aug. 19.
Dolls. F. O. King. 199,006–8; Aug. 19.
Fishing reels and lines, snelled hooks, etc. Edw. K. Tryon Company. 192,225; Aug. 19.
Game apparatus. Snap Ball Co. 196,548; Aug. 19.
Game played with cards. E. J. Luttrell. 199,011; Aug. 19.
Toys—namely, horses, wagons, etc. Art Craft Fixture Co. 195,856; Aug. 19.

CLASS 23.

Bearings, Metal. Stewart Manufacturing Corporation. 193,140; Aug. 19.
Bearings, Oil retainer for. J. E. Taylor. 199,506; Aug. 19.
Conveyers, paint and enamel application machines. C. M. S., Inc. 197,468; Aug. 19.
Creamery, milk, ice-cream condensing, and dairy-plant equipment. John W. Ladd Co. 198,874; Aug. 19.
Engines, Compressed-air. Etablissements François Société Anonyme. 199,221; Aug. 19.
Engines, drag-saw outfits, tree-saw outfits, Internal-combustion, etc. Witte Engine Works. 197,975; Aug. 19.
Locomotives, Railway. Holt Manufacturing Company. 198,307; Aug. 19.
Presses and parts thereof and material-feeding attachments therefor, Printing. Lisenby Manufacturing Company. 197,381; Aug. 19.
Pumps and remote control valves. St. Louis Pump & Equipment Company. 195,659; Aug. 19.
Rakes, Lawn. Lindsay Chaplet & Manufacturing Company. 198,413; Aug. 19.
Screens, Picking tables, etc. Roberts and Schaefer Company. 197,771; Aug. 19.
Tools, power grinders, and sickle attachments. American Grinder Manufacturing Co. 197,181; Aug. 19.
Valves for internal-combustion engines, Poppet. Rich Tool Company. 196,822–3; Aug. 19.

CLASS 26.

Drawing instruments. Technical Supply Company. 198,387; Aug. 19.
Gauges, manometers, etc., Pressure, indicator, and steam. Nelson Valve Company. 177,614; Aug. 19.
Measuring pumps and meters, Fluid. St. Louis Pump & Equipment Company. 195,660; Aug. 19.
Picture-projection sets on outfits, picture-projection apparatus and machines, carrying cases therefor, etc. Society for Visual Education. 194,676; Aug. 19.
Pictures, Moving. Independent Pictures Corporation. 198,575; Aug. 19.
Rules, Slide. Keuffel & Esser Company. 197,820; Aug. 19.
Slide rules, (Calculating). Keuffel & Esser Company. 197,821; Aug. 19.

CLASS 28.

Rings, Finger. Gilbert & Co. 198,345–53; Aug. 19.
Rings, Finger. Gilbert & Co. 198,355–6; Aug. 19.

CLASS 29.

Windshield cleaners. B. I. Malouf. 199,638; Aug. 19.
Windshield cleaners. Trico Products Corporation. 199,508; Aug. 19.

CLASS 32.

Beds. Wheeler-Okell Company. 198,918; Aug. 19.
Mattresses. Shifman Brothers. 197,783; Aug. 19.

CLASS 33.

Glass caster cups. W. T. Hight Co. 198,236; Aug. 19.

CLASS 34.

Radiator covers. Art Metal Products Company. 197,241; Aug. 19.

CLASS 35.

Belting, Leather. Western Rawhide & Belting Co. 196,039; Aug. 19.
Cars, Transmission linings for Ford. Parker and Walker. 198,152; Aug. 19.
Packings, tires, inner tubes, tire patches, belting. Société Française Treugolnik. 181,654; Aug. 19.
Piston rings and piston-ring springs. Hunt-Spiller Manufacturing Corp. 198,308; Aug. 19.

CLASS 38.

Magazine. Better Fruit Publishing Company. 197,854; Aug. 19.
Magazine. Independent Publications, Inc. 196,870; Aug. 19.
Magazine. C. A. Luhnow. 198,810; Aug. 19.
Magazine. National Society of the Sons of the American Revolution. 197,894; Aug. 19.
Magazine. J. H. Wright. 199,102; Aug. 19.
Magazine title. Pacific Coast Club. 199,016; Aug. 19.
Newspaper articles, Heading for. Glenn & Essington. 198,233; Aug. 19.
Newspaper column. Tribune Company. 198,892–3; Aug. 19.
Periodical. A. Jacob. 199,063; Aug. 19.
Periodical. Ohio State University. 197,768; Aug. 19.
Photographic prints and enlargements. A. Thayer. 199,264; Aug. 19.
Prints, Cartoon. D. Loscalzo. 198,716; Aug. 19.
Publication. Sam Seelig Co. 198,969; Aug. 19.
Publication. United Business Service Company. 196,493; Aug. 19.
Publication, Daily. W. C. Platt Company. 199,315; Aug. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Publication, Daily. Public Press Corporation. 199,321; Aug. 19.
Publications, Trade. N. Fluegelman & Co. 199,282; Aug. 19.

CLASS 39.

Clothes, Sport. Lieberman Specialty Company. 197,095, Aug. 19.
Dresses, coats, suits, scarfs, etc. M. J. Steinberg Hat & Fur Co. 196,719–20; Aug. 19.
Hats, Ladies'. Walter J. Hilp & Co. 196,705; Aug. 19.
Hats, Women's and children's. Jacks and Isidor. 196,959; Aug. 19.
Neckties. T. E. Greaney. 195,883; Aug. 19.
Pants, coats, breeches, etc. Hicks-Hayward Company. 197,079; Aug. 19.
Pyjamas, union suits, shirts, etc. T. F. Baulig. 196,726; Aug. 19.
Shoes. Seymour Troy & Co. 196,481; Aug. 19.
Shoes, Leather and fabric. Lunn and Sweet, inc. 192,132; Aug. 19.

CLASS 40.

Combs. Joannot Fils & Cie. 196,707; Aug. 19.
Hair curlers. Cupid Hair Curler Co. 196,334; Aug. 19.

CLASS 42.

Cotton piece goods. E. V. Benjamin Company. 199,456; Aug. 19.
Cotton piece goods. Kelsey Textile Corporation. 197,280; Aug. 19.
Cotton piece goods. Robt. J. Lebenson Corporation. 199,067; Aug. 19.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,143–4; Aug. 19.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,146; Aug. 19.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,212; Aug. 19.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,214; Aug. 19.
Crêpe of cotton and silk. Nathan & Cohen Co. 198,082; Aug. 19.
Ginghams in the piece, Patterned cotton. G. Sellar. 153,960; Aug. 19.
Handkerchiefs. Henry H. Leon Co. 195,582; Aug. 19.
Linens in the piece, Dress and suiting. Robert McBratney & Company, Incorporated. 199,013; Aug. 19.
Sheetings, Cotton. Frederick Blank & Co. 147,151; Aug. 19.
Silk and cotton mixed piece goods, etc. H. Jacob & Sons, Inc. 198,748; Aug. 19.
Silk, artificial silk, wool, etc., Piece goods made of. Haas Brothers Fabrics Corporation. 198,862–4; Aug. 19.
Silk goods in the piece. Russell & Fellman. 198,682; Aug. 19.
Silk piece goods. B. Edmund David, Inc. 195,500–1; Aug. 19.
Silk, pongee, etc. Altman Fellerman Silk Company. 189,227; Aug. 19.
Textile goods in a piece, silk, artificial silk, cotton, wool, and mixtures thereof. Herbert B. Lederer Corp. 198,751; Aug. 19.
Towels, face cloths, bath mats, and bath sheets. A. S. Herrmann. 193,772; Aug. 19.
Woolen piece goods. Bilhuber-Wawak Company. 199,339; Aug. 19.
Woolen piece goods. Sir Charles Sykes & Sons, Limited. 198,385; Aug. 19.
Woolen piece goods. Worumbo Manufacturing Company. 199,449; Aug. 19.
Worsted and woolen textile fabrics. Holden-Leonard Company. 196,303; Aug. 19.

CLASS 44.

Cotton, cotton gauze and bandages, plasters, Absorbent. American Gauze and Cotton Company. 197,793; Aug. 19.
Cotton, cotton gauze, and bandages, plasters, Absorbent. American Gauze & Cotton Company. 198,104; Aug. 19.
Denture attachments. D. Baumgardner. 198,452; Aug. 19.
Electric machines employed in desiccation surgery, High-frequency. Wappler Electric Company. 199,098; Aug. 19.
Sanitary step-ins, aprons, and belts. Star Garter Co. 192,936; Aug. 19.

CLASS 45.

Beverages, Nonalcoholic, noncereal, maltless. Orange Crush Co. 192,498; Aug. 19.

CLASS 46.

Alfalfa meal. Denver Alfalfa Milling & Products Co. 197,326; Aug. 19.
Apples and prunes. Fruitland Fruit Association. 197,069; Aug. 19.
Bottled and tinned anchovies, bottled capers and olives, etc. Julius Wile Sons & Co. 197,524; Aug. 19.
Candies. W. H. Schaffer. 177,052; Aug. 19.
Candy. Loft, Incorporated. 198,146; Aug. 19.
Candy. Pacific Coast Biscuit Co. 191,183; Aug. 19.
Candy. M. H. Scott Candy Company. 182,563; Aug. 19.
Candy. Shotwell Mfg. Co. 197,173; Aug. 19.
Candy. Van Engers, Inc. 198,548–9; Aug. 19.
Candy, candy-coated nuts, confections. W. Prentiss, jr. 194,475; Aug. 19.
Canned and preserved fish. I. Epstein. 198,628; Aug. 19.
Canned beans and tomatoes. Ryan-Correll Co. 198,765; Aug. 19.
Canned corn. Lake Mills Canning Company. 198,143; Aug. 19.
Canned fruit. F. E. Booth Co. 162,714; Aug. 19.
Canned fruit. F. E. Booth Co. 184,810; Aug. 19.
Canned fruits, vegetables, and fish, and dried fruits. Hunt Brothers Packing Company. 187,054; Aug. 19.
Canned fruits, vegetables, and pork and beans. Akron Grocery Company. 191,591; Aug. 19.
Canned goods, fruit preserves, relishes, etc. Royal Blue Stores, Inc. 194,486; Aug. 19.
Canned goods, tea, coffee, etc. Sisson-Seielstad-Hougen Co. 187,232; Aug. 19.
Canned meats, spices, butter, etc. Blanchette & Gazzara Corp. 193,568; Aug. 19.
Coffee, tea, spices, peanut butter, etc. Seckel-Fritchman and Company. 192,547; Aug. 19.
Eggs, butter, cheese. E. Lebers. 199,633; Aug. 19.
Fruits and vegetables, Dried and canned. United States Products Corporation. 184,223; Aug. 19.
Fruits, Fresh citrous. Johnston Fruit Company. 197,817; Aug. 19.
Ice-cream confection. M. P. Papadimitriw. 179,676; Aug. 19.
Oil, Olive. A. Palmigiano. 198,246; Aug. 19.
Potatoes. Reed Bros. 194,875; Aug. 19.
Poultry and swine food. Western Maryland Dairy. 199,099; Aug. 19.
Raisins, Dried. Inderrieden Canning Co. 197,278; Aug. 19.
Salad dressing. F. S. Ahrens. 198,276; Aug. 19.
Sirup. D. B. Scully Syrup Company. 198,034; Aug. 19.
Spices, barley, rice flour, pearl tapioca. Van Loan & Company. 195,556; Aug. 19.
Vegetables, grapes, melons, etc., Fresh. Pacific Trading and Transport Co. 197,900; Aug. 19.
Walnuts. Wm. A. Higgins & Co. 181,071; Aug. 19.

CLASS 50.

Piece goods made wholly or in part of cloth and composition. J. C. Haartz Company. 197,879; Aug. 19.
Rodent exterminators. S. S. Rosen. 195,987; Aug. 19.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Arthur P., Dexter, Me. Burglar alarm. 1,505,760; Aug. 19.

Acme Cushion Wheel Company. (See Cornfield, Noah, assignor.)

Adams, John Q., Columbus, Ohio. Sign holder and display rack. 1,505,761; Aug. 19.

Adelmann, Hans. (See Rodrian, Richard, assignor.)

Adler, Bruno, Dresden, Germany. Purifier for liquid fuels. 1,505,523; Aug. 19.

Ahrendts, Ashton O. C., assignor to The Atlas China Company, Niles, Ohio. Decalcomania sheet. Des. 65,428; Aug. 19.

Ainsworth, Francis A., St. John, New Brunswick, Canada. Dental instrument. 1,505,684; Aug. 19.

Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)

Akers, Milton K., Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube frequency converter. 1,505,234; Aug. 19.

Aktiebolaget Original-Odhner. (See Von Post, Carl G., assignor.)

Aktiebolaget Original Odhner. (See Von Post, Gustaf, assignor.)

Alabastine Company. (See McEachron, Cheney A., assignor.)

Alden, Clarence J., assignor to The Painesville Metallic Binding Company, Painesville, Ohio. Curtain support. 1,505,364; Aug. 19.

Alexander, Harold M., Bexley Heath, England. Method of and means for separating liquids of different specific gravity. 1,505,841; Aug. 19.

Allen, Clarence, Mason City, Iowa. Lawn trimmer. 1,505,685; Aug. 19.

Allen, Claud E., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile lamp. 1,505,577; Aug. 19.

Allen, W. D., Manufacturing Company. (See Gibbs, Henry, assignor.)

Allis-Chalmers Manufacturing Company. (See Brainard, Frank K., assignor.)

Allpart, Hamilton, Reading, Mass. Expansion joint. 1,505,121; Aug. 19.

Allwardt, Henry A., Battle Creek, Mich. Liquid-dispensing device. 1,505,122; Aug. 19.

Aluminum Cooking Utensil Co., The. (See Wilson, John H., assignor.)

American Button & Fastener Co. (See Latham, Albert, assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Widell, Magnus E., assignor.)

American Creosoting Company. (See Oliver, C., and Cook, assignors.)

American Dressler Tunnel Kilns, Inc. (See Dressler, P. d'R., assignor.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Liquid Meter Company. (See Bassler, Carlos J., assignor.)

American Marine Device Corporation. (See Lenz, C. S., and Jupp, assignors.)

American Multigraph Company, The. (See Chisholm, Clifton, assignor.)

American Smelting and Refining Company. (See Lamb, James G., assignor.)

American Smelting and Refining Company. (See Linville, Clarence P., assignor.)

American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)

American Telephone and Telegraph Company. (See Toomey, John F., assignor.)

American Thread Company, The. (See Clark, Robert K., assignor.)

Ames, Max, Machine Company, The. (See Brenzinger, Julius, assignor.)

Anderson, A. W. T. (See Melin, Otto and C. M., assignors.)

Anderson, Alex, assignor to E. Holley, Detroit, Mich. Mold cleaning, heating, and lampblacking device. 1,505,123; Aug. 19.

Anderson-Barngrover Company. (See Reynolds, Albert, assignor.)

Anderson, Carl G., assignor to J. E. Swanson, Boston, Mass. Machine for affixing and assembling units upon a base. 1,505,686; Aug. 19.

Anderson, Clyde L., Butte, Mont. Separator. 1,505,842; Aug. 19.

Anderson, Harry T. (See Hansson, Soren, assignor.)

Anderson, Josiah M., Minneapolis, Minn. Couch bed. 1,505,616; Aug. 19.

Andrade, Cipriano, jr., New York, N. Y. Differential. 1,505,124; Aug. 19.

Andrade, Cipriano, jr., New York, N. Y. Control member for differentials. 1,505,687; Aug. 19.

Anglo-American Mill Company. (See Mayhew, Mark J., assignor.)

Appleton, Albert L., et al. (See Nayer, Carl F., assignor.)

Archer, West D., Coconut Grove, Fla. Hook. 1,505,235; Aug. 19.

Arelt, Charles, assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y. Holder for stacks of sheets. 1,505,688; Aug. 19.

Armstrong, C. G., Manufacturing Company, The. (See Armstrong, Clifford G., assignor.)

Armstrong, Clifford G., assignor to The C. G. Armstrong Manufacturing Company, Meriden, Conn. Belt clasp. 1,505,125; Aug. 19.

Arndt, Otto H., Cliftonville, Wis. Crutch. 1,505,081; Aug. 19.

Arnstein, Karl, assignor to the Firm Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Germany. Rigid frame for airships. 1,505,689; Aug. 19.

Atkins, Archie, Glen Ferris, W. Va. Miner's carbide lamp. 1,505,617; Aug. 19.

Atkinson, John, Minnedosa, Manitoba, Canada. Device for making and carrying cigarettes. 1,505,126; Aug. 19.

Atlas China Company, The. (See Ahrendts, Ashton O. C., assignor.)

Atlas Portland Cement Company, The. (See Croll, Andrew G., assignor.)

Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile door lock. 1,505,524; Aug. 19.

Automatic Electric Company. (See Langer, Max, assignor.)

Automatic Electric Company. (See Richardson, Rodney G., assignor.)

Ayres, Hiram D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Woven-fabric test piece and testing woven fabric. 1,505,127; Aug. 19.

Baash, Lawrence F., Whittier, Calif. Well-casing shoe. 1,505,690; Aug. 19.

Badaglacca, Joseph, Paterson, N. J. Safety seat for window cleaners. 1,505,525; Aug. 19.

Badische Anilin- & Soda-Fabrik. (See Nawiasky, Paul, assignor.)

Badollet, Marion S., J. Hamilton, and C. F. Walton, jr., Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Permanent colorimetric standard for hydrogen ion determination. 1,505,185; Aug. 19.

Bailey, Lorin H., Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Manufacture of leavened bread. 1,505,236; Aug. 19.

Baird, Roswell C., Cumberland, Wis. Pendulum level. 1,505,618; Aug. 19.

Baker, Milo A., H. U. Durant, and S. U. King, Los Angeles, Calif. Safety device for high-speed elevators. 1505,304; Aug. 19.

Baker, R. & L., Company, The. (See Hertner, John H., assignor.)

Ball, John P., Chicago, Ill. Pile-cutting saw. 1,505,237; Aug. 19.

Ball, John P., Chicago, Ill. Breakwater-wall construction. 1,505,238; Aug. 19.

Bang, Roy T., Minden, Nebr. Rein holder. 1,505,305; Aug. 19.

Banschbach, Edward A., Chicago, Ill. Double bumper. 1,505,365; Aug. 19.

Banta, Len A., Clearfield, Pa. Refrigerator having a show front with interchangeable panels. 1,505,843; Aug. 19.

Banta, Len A., Clearfield, Pa. Chimney-ventilated shell for refrigerators. 1,505,844; Aug. 19.

Banta, Len A., Clearfield, Pa. Insulation structure for refrigerators. 1,505,845; Aug. 19.

Banta, Len A., Clearfield, Pa. Refrigerator interlocking shell structure. 1,505,846; Aug. 19.

Barach, Louis V. (See Seeman, C. E., and Barach.)
Bard, Emma E. (See Irving, Joseph M., assignor.)
Barker, Charlie and G. H., Terre Haute, Ind. Brake hand. 1,505,847; Aug. 19.
Barker, George H. (See Barker, Charlie and G. H.)
Barkstrom, Gustaf, Cicero, Ill., assignor to International Harvester Company. Chain assembling and riveting machine. 1,505,691; Aug. 19.
Barnard, Harry, Chicago, Ill., assignor to Union Draft Gear Co. Draft gear. 1,505,239; Aug. 19.
Barnard, John H., Brooklyn, N. Y. Ignition device. 1,505,762; Aug. 19.
Barr, James M. M., London, England. Counting mechanism of calculating machines. 1,505,366; Aug. 19.
Barra, Charles, New York, N. Y. Razor. 1,505,578; Aug. 19.
Bartel, Jacob, Hillsboro, Kans. Vapor-oil burner. 1,505,848; Aug. 19.
Bartell, Harry R., assignor to Cast Steel Tender Frame Company, St. Louis, Mo. Tender frame. 1,505,692; Aug. 19.
Bartlett, Edwin B. (See Petrie, A. J., and Bartlett.)
Basham, Robert H. (See Stone, R. A., and Basham.)
Bassler, Carlos J., Portland, Oreg., assignor, by mesne assignments, to American Liquid Meter Company, Seattle, Wash. Fluid meter. 1,505,306; Aug. 19.
Bates, Clarence A., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,505,849; Aug. 19.
Baverey, François, assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,505,763; Aug. 19.
Bayne, George G., Bushnell, Ill. Tire and wheel carrier for automobiles. 1,505,927; Aug. 19.
Byford, Frederick, Keyser, W. Va. Method of and apparatus for forming hollow articles from plastic material. 1,505,860; Aug. 19.
Bedell, Charles, Gilddden, Iowa. Animal crate and holder. 1,505,186; Aug. 19.
Belden, Edward H., and H. E. Rhoads, assignors, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Carrier for spare rims and wheels. 1,505,526; Aug. 19.
Belden, Edward H., and H. E. Rhoads, assignors, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Carrier for spare wheels. 1,505,527; Aug. 19.
Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Cowl ventilator for motor vehicles. 1,505,528; Aug. 19.
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Windshield and top support. 1,505,529; Aug. 19.
Belknap, William H., New York, N. Y. Steam-turbine engine. 1,505,187; Aug. 19.
Belz, Hugo, New York, N. Y. Vest or coat for carrying securities. 1,505,530; Aug. 19.
Benckenstein, Charles H., Vinton, La. Valve mechanism for wells. 1,505,850; Aug. 19.
Benjamin, Maxwell W. (See Flint, Floyd F., assignor.)
Benner, Raymond C., Bayside, and H. F. French, Flushing, N. Y., assignor to The Prest-O-Lite Company, Inc. Bypass valve for storage-battery vents. 1,505,693; Aug. 19.
Bennett, Frederick F., Ypsilanti, Mich. Wick burner. 1,505,240; Aug. 19.
Bennett, Jack T., Glasgow, Scotland. Talking machine. 1,505,307; Aug. 19.
Bensett, Richard W., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Flexible terminal for ignition wires. 1,505,531; Aug. 19.
Bentel, Edmund W., assignor of three-fifths to F. T. Lahey and one-fifth to G. J. Harter, Akron, Ohio. Rubberizing fabric. 1,505,694; Aug. 19.
Berbecker & Rowland Manufacturing Company. (See Schaefer, William, assignor.)
Bergman, Sven R., Nahant, Mass., and A. F. Welch, Fort Wayne, Ind., assignors to General Electric Company. Alternating-current motor. 1,505,619; Aug. 19.
Berlow, Harry, New York, N. Y. Attachment device. 1,505,318; Aug. 19.
Bern, Emil, Des Moines, Iowa. Automobile signal. 1,505,128; Aug. 19.
Berry, William O., Caro, Mich. Locking attachment. 1,505,241; Aug. 19.
Best, Robb F. (See Mallory, L. V., and Best.)
Biersdorf, Mathew F., Los Angeles, Calif. Machine for cutting pockets in garments. 1,505,367; Aug. 19.
Bigelow, Oliver P., Cleveland, Ohio. Vehicle lamp mounting. 1,505,532; Aug. 19.
Biggert, Florence C., jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Tool control. 1,505,764; Aug. 19.
Bjorge, Oscar B., Portland, Oreg., assignor, by mesne assignments, to Clyde Iron Works, Duluth, Minn. Logging mechanism. 1,505,242; Aug. 19.
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Friction-driven farm tractor. 1,505,533; Aug. 19.
Bletz, Harry M., Philadelphia, Pa. Process and backing for use in lead molding for electrotypes. 1,505,082; Aug. 19.
Blair, Robert S., South Orange, N. J. Gun-sighting mechanism. 1,505,083; Aug. 19.
Blake, William F. (See Schneider, P. F., and R. J., and Blake.)
Bloom, Avid, Syracuse, N. Y. Combined rolling pin and sifter. 1,505,851; Aug. 19.
Bochatey, Frederic C. (See Richards, F. A., Bochatey, and Jones.)
Boidin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Treatment of textile fabrics or fibers. 1,505,534; Aug. 19.
Bohannon, David D., assignor to Resilient Safe-Wheel Company, Oakland, Calif. Disk wheel. 1,505,368; Aug. 19.
Bohn, Donald I. (See Mann, Louis R., assignor.)
Boles, Elzie E., Santa Ana, Calif. Steam cleaner for motors. 1,505,852; Aug. 19.
Booth, William N., Detroit, Mich., Demountable wheel. 1,505,243; Aug. 19.
Bortz, Sylvester J., Muskegon, Mich. Wedge for tool handles. 1,505,620; Aug. 19.
Bouch, Arthur T., McGees Mills, Pa. Railway tie. 1,505,621; Aug. 19.
Bowen Products Corporation. (See Gleason, Frederick H., assignor.)
Boyd, James G., Jacksonville, Fla. Forming rectangular hampers and the like. 1,505,915; Aug. 19.
Boyd, Thomas H., Oklahoma City, assignor to Gas-Tite Device Company, Pawhuska, Okla. Automatic pressure and vacuum device. 1,505,695; Aug. 19.
Boynton, Stanley E., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last-block-centering machine. 1,505,129; Aug. 19.
Boynton, Stanley E., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. 1,505,130; Aug. 19.
Bradshaw, Marvin, et al. (See McGraner, John E., assignor.)
Bradshaw, Roy, et al. (See McGraner, John E., assignor.)
Brady Electric & Manufacturing Company. (See Rockwell, Herbert O., assignor.)
Brady, Henry, Inc. (See Hilsinger, Adin W., assignor.)
Brainard, Frank K., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical governing apparatus. 1,505,853; Aug. 19.
Brandeberry, Myron, Bloomdale, Ohio. Bit hammer and joint breaker. 1,505,916; Aug. 19.
Branscum, William H., Highland, Calif. Attachment for motor vehicles. 1,505,854; Aug. 19.
Braz, Jack J. (See Levitan, N. A., and Braz.)
Breed, Dale L., Ticonderoga, N. Y. Apparatus for removing scale from boilers. 1,505,084; Aug. 19.
Breitenstein, Arthur L., Akron, Ohio. Mold-cutting mechanism. 1,505,579; Aug. 19.
Bren, Joseph, Ogema, Minn. Greasing implement. Des. 65,429; Aug. 19.
Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Clinching device. 1,505,535; Aug. 19.
Breuer, Peter, Milwaukee, Wis. Drying machine. 1,505,855; Aug. 19.
Briggs, Henry, Hasbrouck Heights, N. J. Explosive motors. 1,505,856; Aug. 19.
Brigham, Cecil E., Washington, D. C., assignor, by mesne assignments, to Dubilier Condenser & Radio Corporation, New York, N. Y. Radio receiving apparatus. 1,505,085; Aug. 19.
Brill, Ira D., Marlinton, W. Va. Door lock. 1,505,857; Aug. 19.
Brindle, Richard G., Chicago, Ill., assignor to Corn Products Refining Company. Manufacture of dextrine. 1,505,696; Aug. 19.
Brix, Paul, assignor of one-half to O. B. Harvey, Stockton, Calif. Pie-pan lifter. 1,505,319; Aug. 19.
Brödr. Brincker, Grejsdal Hammervaerk. (See Færch, Svend, assignor.)
Bronson, Adelbert E., Cleveland, Ohio. Nut. 1,505,580; Aug. 19.
Brooker, Henry, Goodmayes, England. Coin-freed delivery apparatus. 1,505,536; Aug. 19.
Brookfield Glass Company, The. (See Brookfield, Henry M., assignor.)
Brookfield, Henry M., New York, N. Y., assignor to The Brookfield Glass Company. Machine for forming glass articles. 1,505,537; Aug. 19.
Brown, George C., Cincinnati, Ohio, assignor to General Electric Company. Electric metering device. 1,505,581; Aug. 19.
Brown, Henry H., assignor to International Show Case Company, Chicago, Ill. Sectional furniture. 1,505,308; Aug. 19.
Brown, Sol, New Orleans, La. Dispensing can and handle therefor. 1,505,369; Aug. 19.
Brownson, Ralph, Hastings, Minn. Bag. 1,505,765; Aug. 19.
Bruder, Albert A., Holly, Mich. Cooking range. 1,505,244; Aug. 19.
Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,505,858; Aug. 19.
Brunhoff Manufacturing Company, The. (See Brunhoff, Edward, assignor.)
Bryant Electric Company. (See Bates, Clarence A., assignor.)

Bryant Electric Company. (See Thomas, George B., assignor.)
Buch, Paul H., and H. M. Groff, Waterbury, Conn. Thermostatic switch. 1,505,370; Aug. 19.
Buck, Edward L., and E. G. Nadeau, West Enfield, Me. Feed attachment for conveyers. 1,505,928; Aug. 19.
Buckley, William H., Philadelphia, Pa. Stand and cover for garbage receptacles. 1,505,086; Aug. 19.
Buck's Stove & Range Company. (See Templeton, Jones T., assignor.)
Bügler, Richard, Charlottenburg, and H. Voigt, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Time recorder. 1,505,582; Aug. 19.
Bulbick, Albert, Eastleigh, England. Railway brake apparatus. 1,505,540; Aug. 19.
Bulgarides, Charles K., Tacoma, Wash. Armor or protector for pneumatic tires. 1,505,859; Aug. 19.
Bull, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Mold for casting clutch and transmission gearing casings. 1,505,538; Aug. 19.
Bullard Machine Tool Co., The. (See Kolb, G. F., and Lucas, assignors.)
Bullard Machine Tool Company, The. (See Kolb, George F., assignor.)
Burdick, Earl S., Milwaukie, Oreg. Radial lock. 1,505,622; Aug. 19.
Burgeson, Charles F., Minneapolis, Minn., assignor to General Electric Company. Electric control system. 1,505,583; Aug. 19.
Burke, Edgar W., Monument, Kans. Banana rack. 1,505,539; Aug. 19.
Burke, Ulick M., Portland, Oreg. Tire. Des. 65,430; Aug. 19.
Burnett, Ira A., Chicago, Ill. Dental mandrel. 1,505,309; Aug. 19.
Burns, Fred T., Detroit, Mich. Center gauge. 1,505,541; Aug. 19.
Burns, Henry J., and G. E. Tollenaar, Spokane, Wash. Feed regulator. 1,505,188; Aug. 19.
Burroughs, Charles W., Montreal West, Quebec, Canada. Apparatus for dumping ash in chain grates. 1,505,310; Aug. 19.
Burton, Frank C. (See Swanson, C. E., and Burton.)
Burton, Frank L., Burnside, Conn. Holder for crochet thread. 1,505,623; Aug. 19.
Buschmann, Theodor E., Chemnitz-Kappel, Germany. Automatic turret lathe. 1,505,131; Aug. 19.
Bussmann, Frank H., assignor to Bussmann Manufacturing Company, St. Louis, Mo. Portable lamp. Des. 65,431; Aug. 19.
Bussmann Manufacturing Company. (See Bussmann, Frank H., assignor.)
Butler, Charles H., Oakland, Calif. Tractor transmission mechanism. 1,505,371; Aug. 19.
Buttram, Henry, Moran, Iowa. Trap. 1,505,932; Aug. 19.
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
Cadman, Addi B., assignor to Warner Manufacturing Company, Beloit, Wis. Trailer truck. 1,505,372; Aug. 19.
California Cedar Products Company. (See Makowski, John P., assignor.)
California Cotton Mills Company. (See Mitchell, Allister S., assignor.)
Callaghan, Patrick H., Philadelphia, Pa. Bearing. 1,505,311; Aug. 19.
Campbell, Benjamin L., St. Louis, assignor of one-half to F. G. O'Haver, Webster Groves, Mo. Charge-forming device for internal-combustion engines. 1,505,697; Aug. 19.
Campbell, Hudson S., Clarksburg, W. Va. Drawing sheet glass. 1,505,584; Aug. 19.
Candee, Raphael R., McKittrick, Calif. Bailer bottom. 1,505,624; Aug. 19.
Canton, Harold P., Union Hill, N. J., assignor to G & G Atlas Systems, Inc., New York, N. Y. Cash carrier. 1,505,542; Aug. 19.
Carafilidis, James, Sabraton, W. Va. Smoker's pipe. 1,505,861; Aug. 19.
Carbo-Oxygen Company. (See Harris, John, assignor.)
Carpenter, Loyd P., Palestine, Tex. Spark plug. 1,505,373; Aug. 19.
Carroll, Houston M., sr., San Antonio, Tex. Compression tray. 1,505,862; Aug. 19.
Carroll, Thomas W. (See Lindsay, R. F., and Hemphill, assignors.)
Cast Steel Fender Frame Company. (See Bartell, Harry R., assignor.)
Cathcart, Oswald J., Newburgh, N. Y. Vanity case. 1,505,698; Aug. 19.
Chandler, Harry. (See Wilkins, R. F., and Chandler.)
Chayer, Pierre G., assignor of one-half to A. Lapointe, Limoilou, Quebec, Canada. Apparatus for removing snow or the like. 1,505,863; Aug. 19.
Cheek, Tolbert F., assignor to Welte-Mignon Corporation, New York, N. Y. Record-controlled grand piano. 1,505,374; Aug. 19.
Chemische Fabrik auf Actien (vorm. E. Schering.) (See Rohde, Karl, assignor.)
Chemische Fabrik Griesheim-Elektron. (See Laska, A. L., and Zitscher, assignors.)
Cheney Talking Machine Co. (See Swanson, C. E., and Burton, assignors.)
Chenoweth, William J., Decatur, Ill. Putting cup. 1,505,375; Aug. 19.
Chevoln, Henry A., New York, and C. B. Mossi, Brooklyn, N. Y. Bracket for doors. 1,505,483; Aug. 19.
Chicago Apparatus Company. (See Shay, Ralph R., assignor.)
Chicago Railway Signal and Supply Company. (See McCarthy, Daniel J., assignor.)
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Clutch. 1,505,312; Aug. 19.
Christensen, Peter C., Hartford, Conn. Counting card table. 1,505,317; Aug. 19.
Christman, Peter J., jr., Green Bay, Wis. Paper package. 1,505,087; Aug. 19.
Christmas, Julius S., Charleston, W. Va. Rail fastener. 1,505,245; Aug. 19.
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Citizens of the United States of America. (See Badolet, M. S., Hamilton, and Walton.)
Citizens of the United States of America. (See Bailey, Lorin H.)
Clancy, John F., and A. A. Gazda, assignors to Kaestner & Hecht Company, Chicago, Ill. Elevator control. 1,505,699; Aug. 19.
Clark, Nathaniel A., Davenport, Iowa. Sound amplifying and distributing device. 1,505,864; Aug. 19.
Clark, Robert K., Springfield, Mass., assignor to The American Thread Company, Jersey City, N. J. Universal wound spool, method of and apparatus for use in making the same. 1,505,917; Aug. 19.
Clement, George A., Mount Vernon, N. Y., assignor to General Optical Company. Bifocal-lens blank. Re15,897; Aug. 19.
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Close, Charles S., Bolivar, Pa. Airship. 1,505,376; Aug. 19.
Clough, Frederick H., Hillmorton, near Rugby, England. Spindle of cotton and the like spinning machines. 1,505,585; Aug. 19.
Clyde Iron Works. (See Bjorge, Oscar B., assignor.)
Cole, Raymond K. (See Sherwood, C. M., and Cole.)
Columbia Phonograph Company. (See Zabriskie, Ernest R., assignor.)
Colwell, Alvah J., Norfolk, Nebr. Recording gauge. 1,505,313; Aug. 19.
Combs, James M., Akron, Ohio. Bathing suit. 1,505,766; Aug. 19.
Confectioners' Equipment Company. (See Hammond, William F., assignor.)
Conroy, James P., New York, N. Y., and A. L. Zwisler, Kalamazoo, Mich. Heater. Des. 65,432; Aug. 19.
Constantinesco, George, Weybridge, England. Pipe connection. 1,505,543; Aug. 19.
Cook, Jesse C. (See Oliver, C., and Cook.)
Cooper, Thomas C., Chicago, Ill. Mounting for spotlights. 1,505,700; Aug. 19.
Co-Operative Stove Company, The. (See Migchelbrink, Theodore J., assignor.)
Copley, William L., Newcastle, Ind. Tire tread. Des. 65,433; Aug. 19.
Corley, Harvey J., Thompson Falls, Mont. Rock-drill support. 1,505,586; Aug. 19.
Corn Products Refining Company. (See Brindle, Richard G., assignor.)
Cornfield, Noah, Detroit, Mich., assignor to Acme Cushion Wheel Company, Wilmington, Del. Vehicle wheel. 1,505,926; Aug. 19.
Costa, Mario, New York, N. Y. Door lock. 1,505,865; Aug. 19.
Costes, Léon J., Paris, France. Wind engine. 1,505,866; Aug. 19.
Co'é, Adrien, Franklin, Mass. Brick-cleaning machine. 1,505,867; Aug. 19.
Cowan, William J., Kansas City, Kans. Burglar-guard system. 1,505,587; Aug. 19.
Cox, Abraham B., Cherry Valley, N. Y. Radiator construction. 1,505,701; Aug. 19.
Cox, Warren R., Cleveland, Ohio. Electrical grounding clamp. 1,505,314; Aug. 19.
Crawford, George M. (See London, Jacob M., assignor.)
Creagmile, John C., and C. W. Hartmann, Oakland, Calif. Foot-controlled accelerator. 1,505,088; Aug. 19.
Creamery Package Mfg. Company, The. (See Valerius, Theodore L., assignor.)
Cretors, Charles, Chicago, Ill. Grader for popped corn. 1,505,315; Aug. 19.
Croll, Andrew G., Allentown, Pa., assignor to The Atlas Portland Cement Company. Cement furnace. 1,505,918; Aug. 19.
Crosby, James M., Momence, Ill. Disk harrow. 1,505,588; Aug. 19.
Crossley, Joseph, Trenton, N. J. Wringer mechanism. 1,505,869; Aug. 19.
Crowe, Orin T., Hayward, Calif. Furring and fastening device. 1,505,189; Aug. 19.
Cruiksbank, James R, Vancouver, British Columbia, Canada. Rotary toothbrush. 1,505,544; Aug. 19.
Culmer Harry H., Chicago, Ill. Treating hydrocarbon oils. 1,505,870; Aug. 19.
Cummings, William W., Hanover, N. H. Reel oven. 1,505,316; Aug. 19.

Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,505,089; Aug. 19.
Curtis, Alvin L., Wauneta, Nebr. Portable lighting plant. 1,505,702; Aug. 19.
Curtis, Lewis E., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Wall tie. 1,505,871; Aug. 19.
Cutler-Hammer Mfg. Co., The. (See Layman, Frank E., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
D'Alessandro, Luigi A., New York, N. Y. Sanitary lather producing and dispensing apparatus. 1,505,377; Aug. 19.
Dailig, Edward, Poughkeepsie, N. Y. Mortising machine. 1,505,320; Aug. 19.
Darley, Alexander W., Laramie, Wyo. Heating utensil. 1,505,703; Aug. 19
Darragh, Edwin E., New York, N. Y. Display box. 1,505,545; Aug. 19.
Darton, Willard B. (See Prouty, C. N., and Darton.)
Daudelin, Jean B., Fall River, Mass. Shuttle. 1,505,190; Aug. 19.
Dearth, Charles E., Memphis, Tenn. Illuminated house number. 1,505,625; Aug. 19.
Debaecker, Georges H. L., Sas-de-Gand, Netherlands, assignor to Société dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France. Suction device for lifting and transporting articles having any kind of surface. 1,505,626; Aug. 19.
De Bellescize, Léon G., Paris, France. Fireplace for domestic heating. 1,505,627; Aug. 19.
De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,505,378; Aug. 19.
Deckop, Charles J. (See Karge, Maxwell R., assignor.)
Deerwester, Alva, Butler, Mo. Safety catch for elevators. 1,505,872; Aug. 19.
Del Cozzo, Joseph, Scotia, Calif. Retimbering crane. 1,505,868; Aug. 19.
Delich, Peter, Nopeming, Minn. Cup. 1,505,132; Aug. 19.
De Nicola, Joseph and J. Valenti, New York, N. Y. Candle holder. 1,505,589; Aug. 19.
Dennedy, James H., Detroit, Mich. Packing for shafts. 1,505,321; Aug. 19.
D'Eramo, Giuseppe, Rome, Italy. Device for drawing parallel lines. 1,505,873; Aug. 19.
Derr, Earle W., assignor to The Miller Rubber Company, Akron, Ohio. Tool handle. 1,505,379; Aug. 19.
Derry, William R., Augusta, Ga. Combined match holder and cigarette container. 1,505,133; Aug. 19.
Derschug, John N., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Drive mechanism for combined washers and wringers. 1,505,874; Aug. 19.
Desmon, Edward, Detroit, Mich. Diamond holder. 1,505,322; Aug. 19.
De Wald, John V., Philadelphia, Pa. Drip-water indicator and cut-off device. 1,505,704; Aug. 19.
Dexter, Lucien A., assignor to National Brass Company, Grand Rapids, Mich. Latch construction. 1,505,380; Aug. 19.
Dienner, John A., Chicago, and A. C. Mabee, Villa Park, Ill. Rail anchor. 1,505,090; Aug. 19.
Doerr, Fred H., assignor to Doerr Manufacturing Company, Grand Rapids, Mich. Wall receptacle or similar article. Des. 65,434; Aug. 19.
Doerr Manufacturing Company. (See Doerr, Fred H., assignor.)
Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Shaft packing for elastic-fluid turbines and the like. 1,505,590; Aug. 19.
Doughtie, John E. (See Howell, Henry M., assignor.)
Dräger, Alexander B. (See Schröder, Hans W. C., assignor.)
Dressler, Philip d'H., Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Tunnel kiln and operating same. 1,505,767; Aug. 19.
Dressler, Philip d'H, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Tunnel kiln and operating same. 1,505,768; Aug. 19.
Dubilier Condenser & Radio Corporation. (See Brigham, Cecil E., assignor.)
Dugdale, Richard M., assignor to Farrington Manufacturing Company, Jamaica Plain, Mass. Eyeglass case and making the same. 1,506,769; Aug. 19.
Dull, Augusta, Los Angeles, Calif. Street indicator. 1,505,628; Aug. 19.
Duncan & Miller Glass Company. (See Duncan, Harry B., assignor.)
Duncan, Harry B., assignor to Duncan & Miller Glass Company, Washington, Pa. Handled sandwich plate. Des. 65,435; Aug. 19.
Dunning, Parker, Bloomfield, N. J., assignor to General Electric Company. Mounting for casings of electrical apparatus. 1,505,629; Aug. 19.
Dunnock, John L., Baltimore, Md. Shaker-bottle closure. 1,505,705; Aug. 19.
Du Pont, Eleuthere P., Montchanin, Del. Brake mechanism for automobiles. 1,505,134; Aug. 19.
Durant, Herbert U. (See Baker, M. A., Durant, and King.)
Dürr, Ludwig, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Airship. 1,505,135; Aug. 19.
Duryea, Nina L., Stockbridge, Mass. Producing artificial fabrics. 1,505,546; Aug. 19.
Dwight, Edmund W., Philadelphia, Pa. Flying machine. 1,505,091; Aug. 19.
Earley, Alon E., Seminole, Okla. Cultivator attachment. 1,505,875; Aug. 19.
Eastman, Charles H., Boston, Mass. Automatic fluid-control device. 1,505,381; Aug. 19.
Ebeling, Paul, Boston, Mass. Mop holder and wringer. 1,505,547; Aug. 19.
Eberenz, George B., El Paso, Tex., assignor of one-fourth to E. P. Mathewson, New York, N. Y., and three-fourths to T. J. Scanlon, Alton, Ill. Concentrating ores. 1,505,323; Aug. 19.
Eberenz, George B., El Paso, Tex., assignor of one-fourth to E. P. Mathewson, New York, N. Y., and three-fourths to T. J. Scanlon, Alton, Ill. Apparatus for and process of concentrating ores. 1,505,324; Aug. 19.
Edelblute, Thomas H., Pittsburgh, Pa. Block for car wheels. 1,505,591; Aug. 19.
Edgar, John T., Cambridge, Ohio. Shade and curtain bracket. 1,505,876; Aug. 19.
Effront, Jean. (See Boldin A., and Effront.)
Egler, Nicholas F., Chicago, Ill. Reversing-valve mechanism. 1,505,630; Aug. 19.
Ekstedt, Ernest D., East St. Louis, Ill. Molding machine. 1,505,246; Aug. 19.
Elbertz, Frank V., and G. Ferrari, Detroit, Mich.; said Elbertz assignor to said Ferrari. Resilient wheel. 1,505,247; Aug. 19.
Elbert, John D., assignor of forty-five one-hundredths to G. L. Stewart, San Francisco, Calif. Safety-zone indicator for streets. 1,505,325; Aug. 19.
Elder, Samuel, Washington, D. C., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Guide mechanism. 1,505,770; Aug. 19.
Electric Controller & Manufacturing Company, The. (See Macha, August, assignor.)
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Englander, Arthur R. (See Kornfeld, W. L., and Englander.)
Eppenstein, Otto, assignor to the Firm of Carl Zeiss, Jena, Germany. Telemeter. 1,505,877; Aug. 19.
Epperson, Frank W., Oakland, Calif. Frozen confectionery. 1,505,592; Aug. 19.
Erfle, Heinrich, assignor to the Firm Carl Zeiss, Jena, Germany. Telescope. 1,505,878; Aug. 19.
Erickson, John, assignor to Madison-Kipp Corporation, Madison, Wis. Lubricator. 1,505,136; Aug. 19.
Eustice, Lula C., Rockford, Ill. Multiple heating attachment. 1,505,879; Aug. 19.
Extrom, Victor E., Minneapolis, Minn. Electric cigar lighter. 1,505,248; Aug. 19.
Færch, Svend, Grejsdal Pr. Vejle, assignor to himself and Brödr. Brincker, Grejsdal Hammervaerk, Vejle, Denmark. Stay-rope tightener with turnbuckle therefor. 1,505,549; Aug. 19.
Fairlie, Andrew M., Atlanta, Ga., assignor to Tennessee Copper & Chemical Corporation, New York, N. Y. Pavement composition. 1,505,880; Aug. 19.
Fargo, Charles R., and P. O. Unger, assignors to Irving-Pitt Manufacturing Company, Kansas City, Mo. Posting mechanism. 1,505,771; Aug. 19.
Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
Farthing, Robert C., Paducah, Ky. Cylinder-boring machine. 1,505,772; Aug. 19.
Fay, Raymond L., Phillipsburg, N. J. Tire heater. 1,505,548; Aug. 19.
Felton, Adam, and E. H. Klemroth, Muncie, Ind. Recuperator for furnaces. 1,505,249; Aug. 19.
Ferrari, Giuseppe. (See Elbertz, F. V., and Ferrari.)
Field, Martin, assignor of one-half to B. Goldsher, Chicago, Ill. Phonetic burglar and other alarm. 1,505,326; Aug. 19.
Field, Samuel B., Holbrook, Mass., assignor, by mesne assignments, to State Street Trust Company, trustee. Can-capping machine. 1,505,631; Aug. 19.
Filbol, Joseph, Lyon, France. Manufacturing formolophenolic varnishes and the like. 1,505,382; Aug. 19.
Finch, Ray C. (See Kluss, R. H., and Finch.)
Fink, John J., and O. Zschunke, Lodi, Calif. Collar-display case. 1,505,773; Aug. 19.
Finley, James, Vancouver, British Columbia, Canada. Rail lifter and replacer. 1,505,632; Aug. 19.
Finney, Alfred C., Schenectady, N. Y., assignor to General Electric Company. Circuit-control system. 1,505,633; Aug. 19.
Firestone Tire and Rubber Company, The. (See MacDonald, Frank J., assignor.)
Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Washing machine. 1,505,881; Aug. 19.
Fisher Body Corporation. (See Simpson, Emory G., assignor.)
Fisk Rubber Company, The. (See Wolfe, Chas W., assignor.)
Fitz-Empire Double Pivot Last Company. (See Boynton, Stanley E., assignor.)
Fitzgerald, William H. J., Braintree, Mass. Cutting dies and making the same. 1,505,774; Aug. 19.

Fletcher, Roy L., assignor of one-half to The Washington Mould, Machine and Foundry Company, Washington, Pa. Sand reel. 1,505,327; Aug. 19.
Flickinger, Maynard L., Boston, Mass. Windshield thermometer. 1,505,383; Aug. 19.
Flint, Floyd F., assignor of one-half to M. W. Benjamin, Detroit, Mich. Carburetor. 1,505,921; Aug. 19.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Clear-signal mechanism for writing-adding machines. 1,505,384; Aug. 19.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Debit and credit distribution for writing-adding machines. 1,505,385; Aug. 19.
Foster, John P., Paia, Maui, Hawaii. Distilling apparatus. 1,505,634; Aug. 19.
Fowler, Ewell E., East Point, Ga., assignor to Underwood Typewriter Company, New York, N. Y. Combined typewriting and computing machines. 1,505,250; Aug. 19.
Frambach, Mathew J., Hartley, Iowa. Tire chain. 1,505,635; Aug. 19.
Freedman, Philip. (See Freedman, Ruth and P.)
Freedlander, Thomas, Baltimore, Md. Automobile seat. 1,505,550; Aug. 19.
Freedman, Louis. (See Funk, C., and Freedman.)
Freedman, Ruth and P., New York, N. Y. Shoulder-strap clip. 1,505,328; Aug. 19.
Freeman, Delbert O., Scranton, Pa. Antifriction bearing for multigraphs. 1,505,636; Aug. 19.
French, Albert F., deceased, by M. A. French, administratrix, Detroit, Mich. Filler composition. 1,505,251; Aug. 19.
French, Harry F. (See Benner, R. C., and French.)
French Mary A., administratrix. (See French, Albert F.)
Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock structure 1,505,637; Aug. 19.
Frickey, Royal E., Chicago, Ill. Combined insulator and transformer. 1,505,252; Aug. 19.
Friedrich, Charles A., Brooklyn, N. Y. Socket for vacuum tubes or the like. 1,505,329; Aug. 19.
Frost, George B. (See Timmons, Lindsay H., assignor.)
Fryer, Arthur L., Glendale, Calif. Folding hinge. 1,505,593; Aug. 19.
Funk, Casimir, and L. Freedman, assignors to H. A. Metz, New York, N. Y. Preparing vitamine-free products and foodstuffs. 1,505,551; Aug. 19.
G & G Atlas Systems, Inc. (See Canton, Harold P., assignor.)
Gail, George P., assignor to The Gail Manufacturing Company, Baltimore, Md. Punch. 1,505,775; Aug. 19.
Gail Manufacturing Company, The. (See Gail, George P., assignor.)
Garner, Henry and J. P., Birmingham, and S. Smith, London, England; said Smith assignor to said J. P. Garner and said H. Garner. Means for lubricating rotary members. 1,505,552; Aug. 19.
Garner, James P. (See Garner, H. and J. P., and Smith.)
Gas-Tite Device Company. (See Boyd, Thomas H., assignor.)
Gause, Frederick T., Wilmington, Del. Tire chain. Re15,893; Aug. 19.
Gazda, Adolph A. (See Clancy, J. F., and Gazda.)
Gee, Charles A., assignor of one-half to E. A. Jones, Elmira, N. Y. Clothesline support. 1,505,137; Aug. 19.
Geiger, Adolph, Stuttgart, Germany. Method of and machine for making heels. 1,505,191; Aug. 19.
Geiger, Joseph E., New Kensington, Pa. Driving glasses. 1,505,882; Aug. 19.
General Electric Company. (See Bergman, S. R., and Welch, assignors.)
General Electric Company. (See Brown, George C., assignor.)
General Electric Company. (See Burgeson, Charles F., assignor.)
General Electric Company. (See Clement, George A., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dunning, Parker, assignor.)
General Electric Company. (See Finney, Alfred C., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Hastings, Hammond C., assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)
General Electric Company. (See McLain, Robert H., assignor.)
General Electric Company. (See Prescott, Arthur C., assignor.)
General Electric Company. (See Treanor, Edward D., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Fireproofing Company, The. (See Halls, Joseph A., assignor.)
General Motors Corporation. (See Bensett, Richard W., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Bull, Arthur A., assignor.)
General Motors Corporation. (See Meyers, John M., assignor.)
General Motors Research Corporation. (See Lee, Charles L., assignor.)
Gernert, Chester F., assignor to Reading Chain Block Corporation, Reading Pa. Hoist-cable guide. 1,505,253; Aug. 19.
Gervais, Joseph, jr., Los Angeles, Calif. Hinge. 1,505,192; Aug. 19.
Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose rack. 1,505,330; Aug. 19.
Gidley Boat Company. (See Warnock, Hugh M., assignor.)
Gill, May. (See Hunter, W., and Gill.)
Gilmore, Thomas E., Oakland, Calif. Clasp. 1,505,553; Aug. 19.
Gilpin, Garth G., Riverside, assignor to W. P. Murphy, Chicago, Ill. Metal end structure for railway cars. 1,505,554; Aug. 19.
Gilpin, Garth G., Riverside, Ill. Uncoupling device for car couplers. 1,505,555; Aug. 19.
Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,505,556; Aug. 19.
Glade, George H., jr., Chicago, Ill. Lubricating device. 1,505,776; Aug. 19.
Glasgow, William W. (See Whobrey, Nannabell, assignor.)
Glass, George O. H., Dewey, Okla. Sliding form jack. 1,505,638; Aug. 19.
Gleason, Frederick H., assignor to Bowen Products Corporation, Auburn, N. Y. Adjustable tubing clip. 1,505,883; Aug. 19.
Glover, Frank B., Brooklyn, N. Y. Multiple engraving machine. 1,505,557; Aug. 19.
Godwin, Arthur M., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Clamp for vehicle bumpers. Des. 65,436; Aug. 19.
Goetz, Julius F., Hartford, Wis. Vaporizer and air-supply device. 1,505,254; Aug. 19.
Gold, Egbert H., Chicago, Ill. Hose clamp. 1,505,255; Aug. 19.
Gold, Samuel B., Independence, assignor to Weber Engine Company, Kansas City, Mo. Spraying nozzle for oil engines. 1,505,331; Aug. 19.
Golden, Robert F., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Spring washer. 1,505,256; Aug. 19.
Golding, Edward, C., London, C. Perks, Barnes, and A. J. Pemberton, Southend-on-Sea, England. Sunblind and the like. 1,505,386; Aug. 19.
Goldquist, Frank C., Galesburg, Ill. Case. 1,505,884; Aug. 19.
Goldsher, Ben. (See Field, Martin, assignor.)
Goodrich, B. F., Company, The. (See Ayres, Hiram D., assignor.)
Goodrich, B. F., Company, The. (See Pfahl, Charles A., assignor.)
Goodrich, B. F., Company, The. (See Raber, Nelson E., assignor.)
Goodrich, B. F., Company, The. (See Tuttle, J. C., and Sears, assignors.)
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting fixture. Des. 65,437; Aug. 19.
Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,505,138; Aug. 19.
Grabowski, Emil A., Escanaba, Mich. Floor mat. 1,505,558; Aug. 19.
Grant, Florence L., assignor to Inland Glass Company, Chicago, Ill. Lighting unit. 1,505,559; Aug. 19.
Gravel, Abundius, assignor to The Willys-Overland Company, Toledo, Ohio. Weather screen for motor vehicles. 1,505,332; Aug. 19.
Gray, Forest L., Kenmore, Ohio. Hair clipper. 1,505,333; Aug. 19.
Gray, Herbert L. (See Kaiser, J. M., Gray, and Kaiser.)
Greenawalt, Charles H., Lima, Ohio. Ice packer. 1,505,639; Aug. 19.
Griesche, Gustav, Berkeley, Calif. Well drill. 1,505,460; Aug. 19.
Griffiths, Walter, City Island, N. Y. Wall. 1,505,257; Aug. 19.
Griswold, George W., assignor of one-half to H. I. Warden, Dallas, Tex. Washing machine. 1,505,139; Aug. 19.
Groeniger Manufacturing Company, The. (See Wyatt, D. H., and Groeniger, assignors.)
Groeniger, William C. (See Wyatt, D. H., and Groeniger.)
Groff, Howard M. (See Buch, P. H., and Groff.)
Gruenberg, Raoul J., San Francisco, Calif. Handle for paper boxes. 1,505,594; Aug. 19.
Grün, Adolf, assignor of one-half to the Firm Georg Schicht, A.-G., Aussig, Czechoslovakia. Manufacturing nutritious fats. 1,505,560; Aug. 19.
Grupe, Henry J., Mount Vernon, N. Y. Candle making. 1,505,092; Aug. 19.
Guenther, Arthur G. G. (See Kux, A. S., and Guenther.)
Guide Motor Lamp Manufacturing Company, The. (See Allen, Claud E., assignor.)

Guillet, Albert M., Charlotte, N. C. Adjustable plug or set for centering, plumbing or setting spindles. 1,505,561; Aug. 19.
Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,505,334; Aug. 19.
Gustafson, Arthur P. (See Kornfeld, W. L., and Englander, assignors.)
Guyot, Arthur F. (See Guyot, Gaston A. and A. F.)
Guyot, Gaston A. and A. F., Attleboro, Mass. Lingerie clasp. 1,505,461; Aug. 19.
Hadaway, John B., Swampscott, Mass. Aerial bomb. 1,505,387; Aug. 19.
Hagen, Arthur C., Spokane, Wash. Pan lifter. 1,505,258; Aug. 19.
Hahn, John, Los Angeles, Calif. Pump. 1,505,193; Aug. 19.
Hainlen, George, Philadelphia, Pa. Bumper. 1,505,885; Aug. 19.
Hale, John D., assignor to Stafford Sales Company, Chicago, Ill. Bumper. 1,505,140; Aug. 19.
Haley, Jessie G., Wellston, Okla. Insect destroyer. 1,505,886; Aug. 19.
Halls, Joseph A., assignor to The General Fireproofing Company, Youngstown, Ohio. Die for metal-expanding machines. 1,505,388; Aug. 19.
Hamilton, John. (See Badollet, M. S., Hamilton, and Walton.)
Hamilton, Kaye H., and C. Hardman, San Francisco, Calif. Amusement device. 1,505,390; Aug. 19.
Hammond, William F., Kansas City, Mo., assignor to Confectioners' Equipment Company, Wilmington, Del. Closure for jars and similar containers. 1,505,194; Aug. 19.
Hancock Manufacturing Company. (See Marple, Rollo, assignor.)
Hancock, William G., and L. T. Stromswold, assignors to Magic Grain Dump Company, Minot, N. Dak. Wagon and truck dump. 1,505,777; Aug. 19.
Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
Hansen, Alfred, Globe, Ariz. Lighting fixture. 1,505,778; Aug. 19.
Hansen, Augie L., Evanston, assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Acetylene generator. 1,505,259; Aug. 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Trench digger. 1,505,195; Aug. 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Soil-sampling tool. 1,505,779; Aug. 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Soil-sampling tool. 1,505,780; Aug. 19.
Hansen, John G., Cedar Falls, Iowa. Harrow. 1,505,196; Aug. 19.
Hanson, Carl A., Portland, Oreg. Saw set. 1,505,260; Aug. 19.
Hansson, Soren, assignor of one-half to H. T. Anderson, Butler, Pa. Brake rod jaw. 1,505,640; Aug. 19.
Hardman, Cecilia. (See Hamilton, K. H., and Hardman.)
Harley-Davidson Motor Co. (See Harley, William S., assignor.)
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Brake. 1,505,335; Aug. 19.
Harris, De Witt C., Pineland, Fla. Ribbon mechanism for typewriters. 1,505,093; Aug. 19.
Harris, George H., assignor to Utica Valve & Fixture Company, Utica, N. Y. Gas cock. 1,505,922; Aug. 19.
Harris, John, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Gas for blowpipe use. 1,505,338; Aug. 19.
Harris, John, Lakewood, assignor to Carbo-Oxygen Company, Cleveland, Ohio. Gaseous fuel. 1,505,339; Aug. 19.
Harris, John, Lakewood, assignor to Carbo-Oxygen Company, Cleveland, Ohio. Gaseous fuel. 1,505,340; Aug. 19.
Harris, William W., Newport, N. J. Multiple-unit gas-generating system. 1,505,706; Aug. 19.
Hart, Lucien P., Philadelphia, Pa. Dyeing apparatus. 1,505,781; Aug. 19.
Harter, George J., et al. (See Bentel, Edmund W., assignor.)
Hartmann, Charles W. (See Creagmile, J. C., and Hartman.)
Hartog, Stephen D., assignor to J. W. Marsh, Belleville, Ill. Forming stencil-character punches and dies. 1,505,336; Aug. 19.
Hartog, Stephen D., assignor to J. W. Marsh, Belleville, Ill. Stencil-cutting machine. 1,505,337; Aug. 19.
Hartsell, Lyndon F., Cameron, N. C. Tire-deflation alarm. 1,505,782; Aug. 19.
Harty, Owen, Dante, S. Dak. Rat trap. 1,505,783; Aug. 19.
Harvey, Otis B. (See Brix, Paul, assignor.)
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,505,341; Aug. 19.
Haslett Chute and Conveyor Co. (See Johnson, Edmund R., assignor.)
Hastings, Hammond C., Rugby, England, assignor to General Electric Company. Control of electrically propelled vehicles. 1,505,933; Aug. 19.
Hatton, Robert W., Bromley, England, assignor to R. Hoe and Co., New York, N. Y. Plate clamp. 1,505,919; Aug. 19.
Hawes, John H., London, England. Tube-bending machine. 1,505,887; Aug. 19.
Hawkinson, Paul E., assignor to Kehawke Manufacturing Co., Minneapolis, Minn. Combined tire-casing turner and work support. 1,505,141; Aug. 19.
Hayes, George H., Minneapolis, Minn. Shock absorber. 1,505,562; Aug. 19.
Hayt, William A. (See Horner, Jonah E., assignor.)
Haywood, Harry R. (See Young, B. L., and Haywood.)
Heap, Jesse J., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Rotary take-up for sewing machines. 1,150,142; Aug. 19.
Heath, Wilfrid P., assignor to Mojonnier Bros. Co., Chicago, Ill. Determining the volume of occluded gas in a plastic mass. 1,505,342; Aug. 19.
Heath, Wilfrid P., assignor to Mojonnier Bros. Co., Chicago, Ill. Determining the volume of occluded gas in a plastic mass. 1,505,343; Aug. 19.
Heerwagen, Leo F., Fayetteville, Ark. Low-air-pressure detector and signal in tires. 1,505,784; Aug. 19.
Heinrich, Hugo, Zwickau, Germany. Rotary engine, pump, and the like. 1,505,094; Aug. 19.
Helstand, Oliver H., Baltimore, Md. Axle for railway rolling stock. 1,505 261; Aug. 19.
Heltman, Curg W., assignor to Safety Mine Car Brake Company, Indiana, Pa. Braking means. 1,505,888; Aug. 19.
Hemphill, Robert H. (See Lindsay, R. F., and Hemphill.)
Hendrickson, Elwood D., Seattle, Wash. Poultry-spraying apparatus. 1 505,641; Aug. 19.
Henrisch, Wilhelm, Godesberg, Germany. Safety fountain pen. 1,505,262; Aug. 19.
Henry, Frank, Los Angeles, Calif. Monolithic floor. 1,505,642; Aug. 19.
Henry, Frederick J., Taunton, Mass. Method of and machine for making rug strips. 1,505,143; Aug. 19.
Hentschel, Rudolf, Brieg, Germany. Strength-testing device. 1,505 344; Aug. 19.
Heptner, Leopold F., Johnstown, Pa. Rail clamp. 1,505,345; Aug. 19.
Herbert, Fred S., and H. J. Mooney, Colorado Springs, Colo. Lift for two-wheeled trailer vehicles. 1,505,144; Aug. 19.
Hercules Power Company. (See Sherwood, C. M., and Cole, assignors.)
Herm, Charles F., Pelham, N. Y. Film-reel device. 1,505,389; Aug. 19.
Hartner, John H., Lakewood, assignor to The Baker R. & L. Company, Cleveland, Ohio. Truck. 1,505,889; Aug. 19.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Internal-combustion engine. 1,505,145; Aug. 19.
Hewitt, Alburn O., Terry, Mont. Cement mixer. 1,505,263; Aug. 19.
Hexamer, William E., Philadelphia, Pa. Lifting device. 1,505,890; Aug. 19.
Hexamer, William E., Philadelphia, Pa. Refrigerating system. 1,505,891; Aug. 19.
Heylandt, Paul, Berlin-Sndende, Germany. Device for developing gas under pressure from liquefied gases. 1,505,095; Aug. 19.
Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
Hill, Detreville D., Huntington Beach, Calif. Core barrel. 1,505,346; Aug. 19.
Hill, Ebenezer, South Norwalk, Conn., assignor to the Hill Compressor & Pump Company, New York, N. Y. Rotary pump. 1,505,707; Aug. 19.
Hillman, Henry G., New York, N. Y. Rod packing. 1,505,462; Aug. 19.
Hillmerson, Carl, Spokane, Wash. Lumber gauge. 1,505,264; Aug. 19.
Hilsinger, Adin W., Orange, N. J., assignor to Henry Brady, Inc. Stacking and counting machine. 1,505,595; Aug. 19.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. 1,505,920; Aug. 19.
Hoe, R., and Co. (See Hatton, Robert W., assignor.)
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Portable compressing apparatus. 1,505,892; Aug. 19.
Holley, Earl. (See Anderson, Alec, assignor.)
Holley, Earl. (See Meloche, Daniel H., assignor.)
Holley, Earl. (See Udale, Stanley M., assignor.)
Holmes, Charles F. (See Johnson, Fred N., and W. P., assignors.)
Holmquist, John A., Woodlawn, Pa. Machine for making wire reels. 1,505,708; Aug. 19.
Holt, Frank L., Van Buren, Ark. Driver box. 1,505,197; Aug. 19.
Holub, Leo, Hartshorne, Okla. Gunstock. 1,505,146; Aug. 19.
Holweck, Fernand, Paris, France, assignor to Mullard Radio Valve Company Limited, London, England. Radiological apparatus. 1,505,463; Aug. 19.
Honeck, Stewart W. (See Louthain, B. H., and Honeck.)
Horn, G. Frank. (See Mart, John W., assignor.)
Horn, Guido, Berlin-Weissensee, Germany. Jack frame or spooling machine. 1,505,563; Aug. 19.

Horner, Jonah E., assignor of one-half to W. A. Hayt, Los Angeles, Calif. Multiple fuse plug. 1,505,464; Aug. 19.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Closure. 1,505,265; Aug. 19.
Hough, Clinton W., Boonville, assignor, by mesne assignments, to Wired Radio Inc., New York, N. Y. Metering device for receiving stations. 1,505,198; Aug. 19.
Hovlid, Norman G., Longmont, Colo. Liquid brake for automobiles. 1,505,643; Aug. 19.
Howell, Hamilton T., New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Bobesche. Des. 65,438; Aug. 19.
Howell, Henry M., assignor of one-half to J. E. Doughtie, Monroe, La. Wheel. 1,505,465; Aug. 19.
Howland, Ralph E., and L. E. Utter, Nashotah, Wis. Roll-bed attachment for trucks. 1,505,199; Aug. 19.
Hoyt, Ezra S., deceased, Los Angeles, Calif.; R. C. Hoyt, executor, assignor to Hoyt Heater Company. Coil-winding machine. 1,505,347; Aug. 19.
Hoyt Heater Company. (See Hoyt, Ezra S., assignor.)
Hoyt, R. C., executor. (See Hoyt, Ezra S.)
Hueber, Frank C., Philadelphia, Pa. Cover for radiators. 1,505,709; Aug. 19.
Huleti, John B. (See Ittner, George W., assignor.)
Hunter, William, and M. Gill, Blackpool, England. Silencer for internal-combustion engines. 1,505,893; Aug. 19.
Huntley, Alton K., Clyde, Ohio, assignor to National Carbon Company, Inc. Electric battery. 1,505,644; Aug. 19.
Hurd, John F., deceased, Watseka; L. E. Hurd, administrator, county of Iroquois, Ill. Signal. 1,505,147; Aug. 19.
Hurd, Laura E., administrator. (See Hurd, John F.)
Hurley Machine Company. (See Fisher, Alva J., assignor.)
Hurwitz, Louis, Philadelphia, Pa. Wrapper for chewing gum, candy, and confections. Des. 65,439; Aug. 19.
Ickes, Raymond N., Altoona, Pa. Transmission. 1,505,391; Aug. 19.
Independent Paper Mills, Inc. (See Arel:, Charles, assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C.)
Ingersoll-Rand Company. (See Nuslm, Melach J., assignor.)
Ingersoll-Rand Company. (See Pfellwitz, William, assignor.)
Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
Inland Glass Company. (See Grant, Florence L., assignor.)
International Harvester Company. (See Barkstrom, Gustaf, assignor.)
International Harvester Company. (See Smith, Ernest C., assignor.)
International Motor Company. (See Manville, Keith R., assignor.)
International Motor Company. (See Wirrer, Gotlfried, assignor.)
International Show Case Company. (See Brown, Henry H., assignor.)
Irvine, Frank S., Huntington, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,505,710; Aug. 19.
Irving, Joseph M., assignor of one-half to E. E. Bard, Bradford, Mass. Vehicle support. 1,505,894; Aug. 19.
Irving-Pitt Manufacturing Company. (See Fargo, C. R., and Unger, assignors.)
Isaacs, David F., Coffeyville, Kans. Truck. 1,505,645; Aug. 19.
Ittner, George W., St. Louis, Mo., assignor of one-half to J. B. Huiett, New York, N. Y. Removable-cap attachment. 1,505,200; Aug. 19.
Ivory, James W., Philadelphia, Pa. Tobacco pipe. 1,505,096; Aug. 19.
Jackson, Edward, assignor to The Nolde and Horst Company, Reading Pa. Striping mechanism for circular-knitting machines. 1,505,466; Aug. 19.
Jackson, Herbert D., Walsall, England. Guard for presses, stamps, and like machines. 1,505,467; Aug. 19.
Jackson, William. (See Saari L., and Jackson.)
Jacox, Edward H., Bassett, Nebr. Railway tie. 1,505,646; Aug. 19.
Jager, Frank, Chicago, Ill. Car-door-locking device. 1,505,266; Aug. 19.
James Manufacturing Company. (See Markey, George, assignor.)
Jasuta, Wincenty. (See Jlengiel, John, assignor.)
Jerdone, Francis, jr., assignor to The Willys-Overland Company, Toledo, Ohio. Automatic take-up device. 1,505,348; Aug. 19.
Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Air-cleaning device. 1,505,564; Aug. 19.
Jlengiel, John, Scranton, assignor of one-half to W. Jasuta, Minooka, Pa. Ship stabilizer. 1,505,785; Aug. 19.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,505,565; Aug. 19.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,505,566; Aug. 19.
Johnson, Edmund R., assignor to Haslett Chute and Conveyor Company, Philadelphia, Pa. Spiral chute. 1,505,392; Aug. 19.
Johnson, Eric. (See Larson, J. A., and Johnson.)
Johnson, Eugene F., Duluth, Minn. Necktie fastener. 1,505,351; Aug. 19.
Johnson, Fred N. and W. P., Dallas, said W. P. Johnson assignor of his entire right to C. F. Holmes, Dallas County, Tex. Sheet-separating attachment. 1,505,349; Aug. 19.
Johnson, George A., and J. F. O'Connor, Chicago, Ill., assignors, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,505,350; Aug. 19.
Johnson, Lane, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shears. 1,505,711; Aug. 19.
Johnson, Oliver W., Geneva, Ohio. Tractor hitch. 1,505,201; Aug. 19.
Johnson, William P. (See Johnson, Fred N. and W. P.)
Jones, Ethel A. (See Gee, Charles A., assignor.)
Jones, John T. (See Richards, F. A., Bochatey, and Jones.)
Jones, Leonard R., London, England. Windscreen wiper for motor cars and the like. 1,505,468; Aug. 19.
Josephson, Eskil H., Long Island City, N. Y. Talking-machine repeater and stop. 1,505,267; Aug. 19.
Judd, Edward K., Palisade, N. J., assignor of one-third to A. M. Thomsen, Alameda, Calif., and one-third to E. W. Judd, New York, N. Y. Recovery of magnesium compounds from brines. 1,505,202; Aug. 19.
Judd, Emerson W., et al. (See Judd, Edward K., assignor.)
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Packing for elastic-fluid turbines and the like. 1,505,647; Aug. 19.
Jupp, George E. (See Lenz, C. S., and Jupp.)
Kaestner & Hecht Company. (See Clancy, J. F., and Gazda, assignor.)
Kaiser, John C. (See Kaiser, J. M., Gray, and Kaiser.)
Kaiser, John M. and J. C., and H. L. Gray, Rock Island, Ill. Mop. 1,505,786; Aug. 19.
Kaplan, Ezra, Chicago, Ill. Fan. 1,505,712; Aug. 19.
Karge, Maxwell R., Phoenix, assignor, by mesne assignments, to C. J. Deckop, Buffalo, N. Y. Cushion shaft coupling or universal joint. 1,505,596; Aug. 19.
Kasdan, Nathan, Bronx, N. Y. Vanity bag and the like. 1,505,393; Aug. 19.
Kégresse, Adolphe, Paris, France. Supporting and driving band for motor cars. Re15,894; Aug. 19.
Kehawke Manufacturing Co. (See Hawkinson, Paul E., assignor.)
Keller, Carl E., Pittsburgh, Pa. Umbrella lock. 1,505,469; Aug. 19.
Kelley, Benjamin F., Tusla, Okla. Swivel wrench. 1,505,567; Aug. 19.
Kelley, William V. D., Jersey City, N. J. Color photography. 1,505,787; Aug. 19.
Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
Kelm, Gustav R., assignor to Walker M. Levett Company, New York, N. Y. Mold lock. 1,505,470; Aug. 19.
Kempf, Karl F. W., Buffalo, N. Y. Hose clamp. 1,505,895; Aug. 19.
Kennedy, Harry E. (See Mulvany, H. A., and Kennedy.)
Kershner, Andrew J., Chicago, Ill. Wrench. 1,505,896; Aug. 19.
Kershner, John H., Norton, Kans. Automobile jack. 1,505,203; Aug. 19.
Kier, William E., et al. (See Nayer, Carl F., assignor.)
Kiernan, Thomas J., Arlington, Mass. Carbonator. 1,505,204; Aug. 19.
Kikta, Alex, Flint, Mich. Wrench. 1,505,897; Aug. 19.
Kilgour, David, jr., Seattle, Wash. Pipe cutter. 1,505,205; Aug. 19.
Killefer Manufacturing Company, The. (See Thayer, Harry W., assignor.)
Kindle, Jonathan, Pitman, N. J. Sewage separator. 1,505,148; Aug. 19.
Kiley, George A., Los Angeles, Calif. Radiator. 1,505,713; Aug. 19.
King, Samuel U. (See Baker, M. A., Durant, and King.)
Kirby, Barry, Los Altos, Calif. Filter. 1,505,898; Aug. 19.
Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Spring-suspension column clamp. 1,505,899; Aug. 19.
Klemroth, Edward H. (See Felton, A., and Klemroth.)
Klubnick, Joseph, Bridgeport, Conn. Exerciser. 1,505,473; Aug. 19.
Kluss, Roy H., and R. C. Finch, Spokane, Wash. Charge-forming device. 1,505,471; Aug. 19.
Knight, Hugh, Riverside, Calif. Plastic composition and preparing same. 1,505,206; Aug. 19.
Knowles, Harford C., assignor to The Willys-Morrow Company, Elmira, N. Y. Antifriction bearing. 1,505,352; Aug. 19.
Knudsen, Carl H., Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del. Wrist-pin construction. 1,505,149; Aug. 19.
Knudsen Motor Corporation, The. (See Knudsen, Carl H., assignor.)
Koken, Walter F., Webster Groves, Mo. Barber's sign. Des. 65,440; Aug. 19.
Koken, Walter F., Webster Groves, Mo. Barber's sign. Des. 65,441; Aug. 19.

Kolb, George F., Fairfield, and J. H. Lucas, assignors to The Bullard Machine Tool Co., Bridgeport, Conn Automobile bumper bracket. 1,505,900; Aug. 19.
Kolb, George F., assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Automobile bumper bracket. 1,505,901; Aug. 19.
Kolb, George F., Fairfield, assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Automobile bumper bracket. 1,505,902; Aug. 19.
Kornfeld, William L., and A. R. Englander, assignors of one-fifth to A. P. Gustafson, Cleveland, Ohio Shade or globe supporting means. 1,505,394; Aug. 19.
Kosteck, Nicholas P., Hayden Lake, Idaho. Metallic railway tie. 1,505,150; Aug. 19.
Kraft, Henry P., Ridgewood, N. J. Dust cap for tire valves. 1,505,097; Aug. 19.
Kraft, Henry P., Ridgewood, N. J. Dust cap. 1,505,098; Aug. 19.
Kreisler, Jacques, assignor to Jacques Kreisler & Co., New York, N. Y. Producing jewel settings. 1,505,395; Aug. 19.
Kreisler, Jacques, & Co. (See Kreisler, Jacques, assignor.)
Kresser, Samuel, New York, N. Y. Watch. 1,505,521; Aug. 19.
Krzesinski, Jan, Nanticoke, Pa. Padlock. 1,505,904; Aug. 19.
Kuno, Shichigoro, Sublet, Wyo. Cover-lifting device. 1,505,472; Aug. 19.
Kunschman, Fred W., New York, N. Y. Advertising device. 1,505,151; Aug. 19.
Kussmaul, John M., Carbondale, Ill. Cage trap. 1,505,333; Aug. 19.
Kux, Albert S., Chicago, Ill., and A. G. G. Guenther, Grand Junction, Colo., assignors to Signode System, Incorporated, Chicago, Ill. Machine for making reinforcing girths. 1,505,207; Aug. 19.
La Grassa, Peter, assignor to Night Aero Advertising Corporation, New York, N. Y. Advertising sign. 1,505,714; Aug. 19.
Labey, Frank T., et al. (See Bentel, Edmund W., assignor.)
Lamarre, Louis A., Biddeford, Me. Tool-handle fastener. 1,505,354; Aug. 19.
Lamb, James G., Denver, Colo., assignor to American Smelting and Refining Company, New York, N. Y. Production of calcium arsenate free from water-soluble arsenic. 1,505,648; Aug. 19.
Landa, Saraw, New York, N. Y. Multifold-pattern maker. 1,505,522; Aug. 19.
Langer, Max, Hermsdorf, near Berlin, Germany, assignor to Automatic Electric Company, Chicago, Ill. Telephone system. 1,505,715; Aug. 19.
Lannen, Joseph P. (See Petersen, Louis, assignor.)
Lapointe, Albert. (See Chayer, Pierre G., assignor.)
Larala, Giuseppe C., New York, N. Y. Headrest for barber or like chairs. 1,505,474; Aug. 19.
Larner, Chester W., Philadelphia, Pa. Branch or Y-pipe structure. 1,505,208; Aug. 19.
Larsen, Peter V., Sioux Falls, S. Dak. Knife cabinet. 1,505,355; Aug. 19.
Larson, John D., Hinsdale, Ill. Stereophotomicrographic instrument. 1,505,268; Aug. 19.
Larson, Jonas A., and E. Johnson, Chicago, Ill. Rotary engine. 1,505,788; Aug. 19.
Larsson, Henry W. (See Wehn, C. E., and Larsson.)
Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to the Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Azo dyes insoluble in water and making same. 1,505,568; Aug. 19.
Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Azo dyes derived from acylacetyl compounds of diamins and making same. 1,505,569; Aug. 19.
Latham, Albert, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me. Fastener-attaching machine. 1,505,152; Aug. 19.
Lavarack, Frederick C., Montclair, N. J. Rail bond. 1,505,716; Aug. 19.
Layman, Frank E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Power press. 1,505,099; Aug. 19.
Leach, Albert A. (See Leach, Francis I. and A. A.)
Leach, Francis I. and A. A., Tyrone, N. Mex. Radium-carrying device. 1,505,209; Aug. 19.
Leclerc, Louis, Maria, Quebec, Canada. Shutter for automobile lamps. 1,505,905; Aug. 19.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Truing tool. 1,505,210; Aug. 19.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Starter for internal-combustion engines. 1,505,153; Aug. 19.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Lees, Kenneth F., New Haven, Conn. Combined ash tray and match-box holder. 1,505,396; Aug. 19.
Lefkowitz, Charles, Newark, N. J. Carboy. 1,505,789; Aug. 19.
Lefkowitz, Charles, Newark, N. J. Carboy bonnet. 1,505,790; Aug. 19.
Lennartson, John A., St. Paul, Minn. Crate. 1,505,717; Aug. 19.
Lenz, Charles S., and G. E. Jupp, assignors, by mesne assignments, to American Marine Device Corporation, New York, N. Y. Apparatus for separating liquids of different specific gravities and indicating means therefor. 1,505,791; Aug. 19.
Levett, Walker M., Company. (See Kelm, Gustav R., assignor.)
Levin, Nathan P., Detroit, Mich. Differential gearing. 1,505,570; Aug. 19.
Levitan, Nathan A., and J. J. Braz, Brooklyn, N. Y. Lamp bracket. Des. 65,442; Aug. 19.
Levy, Beno, New York, N. Y. Display device. 1,505,649; Aug. 19.
Lewis, Earnest R. W., Ponoka, Alberta, Canada. Valve. 1,505,650; Aug. 19.
Lewis, Joseph C., Grant, N. Mex. Well-casing tool. 1,505,475; Aug. 19.
Lewis, W. Roy, et al. (See Prigel, Charles R., assignor.)
Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Internal-combustion engines. 1,505,100; Aug. 19.
Lindfors, Victor E., assignor of one-half to J. Maki, Butte, Mont. Wire-twisting device. 1,505,356; Aug. 19.
Lindsay, Robert F., and R. H. Hemphill; said Lindsay assignor of his entire right to T. W. Carroll, Charleston, S. C. Air-agitating tube for refrigerating systems. Re-15,895; Aug. 19.
Lindquist, Gustav B., South Braintree, Mass. Holder for trees and the like. 1,505,357; Aug. 19.
Linville, Clarence P., Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Production of arsenates from speiss. 1,505,718; Aug. 19.
Little, Lucius F., and M. J. Mayhew, Owensboro, Ky. Roller grinding mill. 1,505,154; Aug. 19.
Loeschen, Fred, Estherville, Iowa. Insect trap. 1,505,651; Aug. 19.
Loggins, Sarah A., Marlin, Tex. Hair waver. 1,505,358; Aug. 19.
London, Jacob M., Brookville, Pa., assignor of one-half to G. M. Crawford, Pittsburgh, Pa. Apparatus for handling coal and other material. 1,505,476; Aug. 19.
Loomis, Allen, Toledo, Ohio. Octave-key mechanism. 1,505,359; Aug. 19.
Lorbach, Josef, Berlin-Friedenau, Germany. Internal-combustion engine. 1,505,211; Aug. 19.
Louthain, Benjamin H., and S. G. Honeck, Milwaukee, Wis. Statuette. Des. 65,443; Aug. 19.
Lowery, Alva, Astoria, Oreg. Rope climbing and supporting device. 1,505,360; Aug. 19.
Lucas, John H. (See Kolb, G. F., and Lucas.)
Ludlum, Louis O., St. Louis, Mich. Dental device. 1,505,792; Aug. 19.
Luftschiffbau Zeppelin G. m. b. H. (See Arnstein, Karl, assignor.)
Luftschiffbau Zeppelin G. m. b. H. (See Dürr, Ludwig, assignor.)
Lukawski, Walter S., Chicago, Ill. Music-leaf turner. 1,505,906; Aug. 19.
Lundquist, Frank A. (See Stromquist, Carl E., assignor.)
Luoma, John, Maynard Borough, Mass. Adjustable tumbler key lock. 1,505,571; Aug. 19.
Lyon, Jesse D., Cincinnati, Ohio. Embossing device. 1,505,397; Aug. 19.
Lyons, Robert, New York, N. Y. Automobile signal. 1,505,793; Aug. 19.
Mabee, Alexander C. (See Dienner, J. A., and Mabee.)
Macbeth, Norman, Pelham, N. Y. Reading lamp. 1,505,654; Aug. 19.
MacDonald, Angus S., Great Neck, N. Y., assignor to Snead & Company, Jersey City, N. J. Bookstack. Des. 65,444; Aug. 19.
MacDonald, Frank J., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Stock-cutting apparatus and method. 1,505,212; Aug. 19.
Macha, August, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Apparatus for treating hot-wire elements for electrical devices. 1,505,478; Aug. 19.
Mackenzie, Arthur R., and F. W. Watson, Brooklyn, N. Y. Bell. 1,505,155; Aug. 19.
MacKinnon, Archibald, Tuckahoe, N. Y. Method and apparatus for applying plastic compositions. 1,505,908; Aug. 19.
Madison-Kipp Corporation. (See Erickson, John, assignor.)
Magic Grain Dump Company. (See Hancock, W. G., and Stromswold, assignors.)
Maitland, Harold T., Sharon Hill, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for treating oils. 1,505,479; Aug. 19.
Maki, Jacob. (See Lindfors, Victor E., assignor.)
Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Plaster lath. 1,505,399; Aug. 19.
Mallory, Louis V., and R. F. Best, Kansas City, Mo. Removable crown-brass locking device. 1,505,213; Aug. 19.
Mangum, Wiley M., Purdy, Va. Screen. 1,505,156; Aug. 19.
Mann, Louis R., Madison, Wis., assignor of one-half to D. I. Bohn, Schenectady, N. Y. Musical wind instrument. 1,505,597; Aug. 19.

Manuel, John, Buffalo, N. Y. Burglar alarm. 1,505,721; Aug. 19.
Manville, Keith R., Brooklyn, assignor to International Motor Company, New York, N. Y. Flexible friction drive for generators and the like. 1,505,480; Aug. 19.
Marek, Rudolph J., Lodgepole, Nebr. Cigar or cigarette holder. 1,505,655; Aug. 19.
Markey, George, assignor to James Manufacturing Company, Fort Atkinson, Wis. Stock feeder. 1,505,157; Aug. 19.
Marple, Rollo, assignor to Hancock Manufacturing Company, Charlotte, Mich. Handle for automobile doors. Des. 65,445; Aug. 19.
Marsh, John W. (See Hartog, Stephen D., assignor.)
Mart, John W., Cleveland Heights, assignor of one-half to G. F. Horn, Elyria, Ohio. Reinforced-rubber-composition strip. 1,505,272; Aug. 19.
Martin, De Loss K., Orange, N. J., assignor to American Telephone and Telegraph Company. Frequency-control system. 1,505,158; Aug. 19.
Martus, Martin L., Woodbury, Conn. Primary battery. 1,505,656; Aug. 19.
Mathewson, Edward P., et al. (See Eberenz, George B., assignor.)
Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Hotel-oven construction. 1,505,273; Aug. 19.
Maurer, George H., Jacksonville, Fla. Safety-razor holder. 1,505,657; Aug. 19.
Mather, Clyde W., Leonard, Colo. Toilet case. 1,505,363; Aug. 19.
Matthews, Harry P., Los Angeles, Calif. Pocket ash case. 1,505,400; Aug. 19.
Maybach, Karl, assignor to the Firm: Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Driving gear for motor cars. 1,505,159; Aug. 19.
Maybach Motorenbau Geselischaft mit beschränkter Haftung. (See Maybach, Karl, assignor.)
Mayer, Ernest, Antwerp, Belgium. Casting and its manufacture. 1,505,401; Aug. 19.
Mayhall, Porter A., Haleyville, Ala. Spring-toothed cultivator. 1,505,274; Aug. 19.
Mayhew, Mark J., assignor to Anglo-American Mill Company, Owensboro, Ky. Roller mill. 1,505,573; Aug. 19.
Mayhew, Mark J. (See Little, L. F., and Mayhew.)
Maynard, Laurier A., Highland Park, Mich. Safety razor. 1,505,102; Aug. 19.
McCarthy, William H. (See Wood, R. F., and McCarthy.)
McCarty, William B., Lavelle, Pa. Air-draft attachment for chimneys. 1,505,794; Aug. 19.
McCausland, James F., Princeton, N. J. Knockdown rim for tires. 1,505,269; Aug. 19.
McCarthy, Daniel J., Elgin, Ill., assignor to Chicago Railway Signal and Supply Company. Adjustable electric-lamp support. 1,505,719; Aug. 19.
McClaugherty, Edward J., Princeton, W. Va. Conveyer. 1,505,907; Aug. 19.
McClure, Rodney N., Sawtelle, Calif. Record holder. 1,505,477; Aug. 19.
McClurg, Angelo T., Berghoiz, Ohio. Antirattler for vehicle doors. 1,505,270; Aug. 19.
McCord, Archie M., Greenville, S. C. Pipe wrench. 1,505,652; Aug. 19.
McCoy, Charles, Chicago Heights, Ill. Power take-off for motor vehicles and the like. 1,505,101; Aug. 19.
McDaniel, Frank, Detroit, Mich. Coin-controlled lock. 1,505,361; Aug. 19.
McDonald, Thomas W., River Rouge, Mich. Soil pulverizer. 1,505,572; Aug. 19.
McEachron, Cheney A., assignor to Alabastine Company, Grand Rapids, Mich. Printing mechanism. 1,505,398; Aug. 19.
McGill, Harry A., Youngstown, Ohio. Candles ick. Des. 65,446; Aug. 19.
McGraner, John E., assignor of one-third to M. Bradshaw and one-third to R. Bradshaw, Harrisburg, Ill. Rail-clamping device. 1,505,362; Aug. 19.
McLain, Robert H., Tenafly, N. J., assignor to General Electric Company. Electrical braking control. 1,505,653; Aug. 19.
McNally, James T., Chicago, Ill. Freight car. 1,505,720; Aug. 19.
McNeil, Bartley G., Cranbrook, British Columbia, Canada. Bicycle. 1,505,271; Aug. 19.
Mechanics Machine Company. (See Swenson, Carl E., assignor.)
Melin, Clarence M. (See Melin, Otto and C. M.)
Melin, Otto and C. M., assignors of one-third to A. W. T. Anderson, Emigrant, Mont. Hydraulic-power plant. 1,505,909; Aug. 19.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Core coating. 1,505,214; Aug. 19.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Insulating pipes. 1,505,215; Aug. 19.
Merz, John A., Stockton, Calif. Hose coupling. 1,505,722; Aug. 19.
Mesker, Bernard T., assignor to Mesker Brothers Iron Company, St. Louis, Mo. Mullion column. 1,505,402; Aug. 19.
Mesker Brothers Iron Company. (See Mesker, Bernard T., assignor.)
Metz, Herman A. (See Funk, C., and Freedman, assignors.)
Meyers, John M., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Farm tractor. 1,505,574; Aug. 19.
Michaels, Loyal A., Ottumwa, Iowa. Radiator-cooling attachment. 1,505,658; Aug. 19.
Michalic, Charles T. (See Wilson, W., and Michalic.)
Michelin, André J., Clermont-Ferrand, France. Tire attachment. 1,505,910; Aug. 19.
Michigan Stove Company, The. (See Maul, Henry C., assignor.)
Michle Printing Press & Manufacturing Company. (See Elder, Samuel, assignor.)
Migchelbrink, Theodore J., assignor to The Co-Operative Stove Company, Cleveland, Ohio. Burner construction. 1,505,575; Aug. 19.
Mikalsen, Randolf A., Brooklyn, N. Y. Heat-exchange device. 1,505,576; Aug. 19.
Miller, Denver E., Shouns, Tenn. Aeroplane. 1,505,911; Aug. 19.
Miller, Frank E., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Door releasing and locking mechanism. 1,505,659; Aug. 19.
Miller Rubber Company, The. (See Derr, Earle W., assignor.)
Miller Rubber Company, The. (See Steele, Charles W., assignor.)
Miller, Thomas S., South Orange, N. J. Loading machine. 1,505,103; Aug. 19.
Mills, John, Wyoming, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Operating alternating-current relays. 1,505,275; Aug. 19.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for locating the source of sound. 1,505,276; Aug. 19.
Milwaukee Stamping Co. (See Petrie, A. J., and Bartlett, assignors.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Johnson, G. A., and O'Connor, assignors.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mitchell, Allister S., assignor to California Cotton Mills Company, Oakland, Calif. Seat-padding machine. 1,505,403; Aug. 19.
Mitchell Allister S., assignor to California Cotton Mills, Oakland, Calif. Seat-padding machine. 1,505,404; Aug. 19.
Mock, George A., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. 1,505,598; Aug. 19.
Moerk, Frank N., Philadelphia, Pa. Electrochemical process of treating liquids. 1,505,404; Aug. 19.
Moersch, Christian, Bad Neuenahr, Germany. Handcuff. 1,505,660; Aug. 19.
Moffett, Harley M., Deshler, Ohio. Automobile signal. 1,505,160; Aug. 19.
Mohun, John L., Omaha, Nebr. Journal box. 1,505,405; Aug. 19.
Mojonnier Bros. Co. (See Heath, Wilfrid P., assignor.)
Mooney, Herman J. (See Herbert, F. S., and Mooney.)
Moore & White Company. (See White, Joseph A., assignor.)
Moore, Charles R., Wyoming N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Accoustical device. 1,505,481; Aug. 19.
Morey, Harry J., Syracuse, assignor to Pass & Seymour Inc., Solvay, N. Y. Pull-chain electric switch. 1,505,406; Aug. 19.
Mork, Walter, assignor of one-half to K. Wilander, Berkeley, Calif. Fireplace. 1,505 407; Aug. 19.
Morris, John L., Roxboro, N. C. Signaling device for mail boxes. 1,505,277; Aug. 19.
Morrow, James B., Oakland, Calif. Heat deflector. 1,505,482; Aug. 19.
Morse, Ernest E., Woburn, Mass. Sheet-material-measuring device. 1,505,408; Aug. 19.
Morse, Lewis C., assignor to Russia Cement Company, Gloucester, Mass. Liquid container and dispenser. 1,505,599; Aug. 19.
Mossi, Charles B. (See Chevola, H. A., and Mossi.)
Motor Wheel Corporation. (See Mock, George A., assignor.)
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, Henry, assignor to United Engineering & Foundry Co., Pittsburgh, Pa. Rotary feed member. 1,505,723; Aug. 19.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Leveling base for lavatories and the like. 1,505,279; Aug. 19.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, Decatur, Ill., as trustee. Pipe-flanging tool. 1,505,409; Aug. 19.
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Flush valve for tanks. 1,505,278; Aug. 19.
Mullard Radio Valve Company Limited. (See Holweck, Fernand, assignor.)
Mulvany, Harry A., and H. E. Kennedy, Berkeley, Calif. Sand-blast cleaning method and apparatus therefor. 1,505,484; Aug. 19.
Murphy, Walter P. (See Gilpin, Garth G., assignor.)
Muth, Anthony F., assignor of five-sixteenths to J. J. Muth, two-sixteenths to W. H. Muth, and one-sixteenth to C. A. Muth, Eldorado, Kans. Belt-tightener. 1,505,280; Aug. 19.

Muth, Charles A., et al. (See Muth, Anthony F., assignor.)
Muth, John J., et al. (See Muth, Anthony F., assignor.)
Muth, Wilfred H., et al. (See Muth, Anthony F., assignor.)
Myrick, Joseph A., Marion, N. C. Brake construction. 1,505,216; Aug. 19.
Nadeau, Edmund G. (See Buck, E. L., and Nadeau.)
Nagelvoort, Adriaan, assignor to The Nitrogen Corporation, Providence, R. I. Manufacture of steel and the fixation of nitrogen. 1,505,281; Aug. 19.
National Brass Company. (See Dexter, Lucien A., assignor.)
National Carbon Company. (See Huntley, Alton K., assignor.)
National Lock Washer Company, The. (See Golden, Robert F., assignor.)
Nawiasky, Paul, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Vat dyestuff. 1,505,912; Aug. 19.
Nayer, Carl F., Los Angeles, Calif., assignor of one-half to W. E. Kier, Chicago, and one-half to A. I. Appleton, Evanston, Ill. Type-feeding device. Re15,896; Aug. 19.
Nelson, George A., Lindsborg, Kans. Terminal puller. 1,505,410; Aug. 19.
Nelson, Lloyd F., Bremerton, Wash. Pack. 1,505,661; Aug. 19.
Nevill, David J., Denver, Colo. Surface grinder. 1,505,282; Aug. 19.
Newell, John, Scarsdale, N. Y. Pavement. 1,505,411; Aug. 19.
Newman, John, Oakland, Calif. Casting machine. 1,505,412; Aug. 19.
Nichols, Ollie E., assignor of one-half to W. S. Seat, Crutchfield, Ky. Nicotine filter for tobacco pipes. 1,505,413; Aug. 19.
Nichols, William H., Wilkinsburg, Pa. Molding. 1,505,724; Aug. 19.
Nicholson, Joshua B., Washington, D. C. Connection for dirigible lights. 1,505,795; Aug. 19.
Nichols, Martin, assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y. Player grand piano. 1,505,161; Aug. 19.
Night Aero Advertising Corporation. (See La Grassa, Peter, assignor.)
Nitrogen Corporation, The. (See Nagelvort, Adrian, assignor.)
Noe, William R., & Sons. (See Roettges, Frederick, assignor.)
Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
Nolde and Horst Company, The. (See Jackson, Edward, assignor.)
Norris, Paul E., Wilkinsburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery case. 1,505,796; Aug. 19.
Northern Trust Company, The, et al., executors. (See Turner, Samuel J.)
Nowak, Eugen, Berlin, Germany. Vehicle of contact. 1,505,162; Aug. 19.
Nusim, Melach J., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Combined gas exhauster and tar extractor. 1,505,283; Aug. 19.
Obradovits, Nicholas, St. Louis, Mo. Vending machine. 1,505,725; Aug. 19.
O'Connor, George B., Los Angeles, Calif. Auto bumper. 1,505,662; Aug. 19.
O'Connor, John F. (See Johnson, G. A., and O'Connor.)
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,505,414; Aug. 19.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,505,415; Aug. 19.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,505,416; Aug. 19.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing for railway cars. 1,505,417; Aug. 19.
O'Hare, Benton P., Nasonville, R. I. Collapsible box. 1,505,284; Aug. 19.
O'Haver, Frank G. (See Campbell, Benjamin L., assignor.)
Oller, André, assignor to Société Anonyme des Etablissements A. Oller, Clermont-Ferrand (Puy-de-Dome), France. Device for the continuous treatment of ligneous materials for their transformation in cellulose. 1,505,934; Aug. 19.
Oliver, Charles, Toledo, Ohio, and J. C. Cook, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky. Crane sling. 1,505,663; Aug. 19.
Olson, Gottfrid, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,505,664; Aug. 19.
Olson, Nels I., Northwood, N. Dak. Expansible pulley. 1,505,163; Aug. 19.
Olstad, Marie, Pelican Rapids, Minn. Typewriter cover and carrying device. 1,505,797; Aug. 19.
Opperman, August H., Indianapolis, Ind. Electrical curling-iron heater. 1,505,726; Aug. 19.
Ott, Harvey N., assignor to Spencer Lens Co., Buffalo, N. Y. Microscope substage. 1,505,418; Aug. 19.
Owen, Edmund F. (See Roberts, T. R., and Owen.)
Owen, Ernest, New York, N. Y. Apparatus for condensing and fractionating hydrocarbons. 1,505,798; Aug. 19.
P. & M. Company, The. (See De Busk, William H., assignor.)
Paden, Robert F., Glendale, Mo. Safety device. 1,505,285; Aug. 19.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 65,447; Aug. 19.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 65,448; Aug. 19.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 65,449; Aug. 19.
Paice, Frank J., Smithfield, Ohio. Automatic gambrel. 1,505,665; Aug. 19.
Painesville Metallic Binding Company The. (See Alden, Clarence J., assignor.)
Palm, John R., St. Cloud, Minn. Folding ax. 1,505,485; Aug. 19.
Palmer, James, Philadelphia, Pa. Piano-key mechanism for accordions. 1,505,486; Aug. 19.
Park, Orson D., Alden, Mich. Fruit-picking device. 1,505,487; Aug. 19.
Parkinson, John J., Chicago, Ill. Water-closet. 1,505,799; Aug. 19.
Parsons, Philip D., Philadelphia, Pa., assignor, by mesne assignments, to Scott Paper Company. Machine for inserting suspension devices in toilet-paper packages. 1,505,419; Aug. 19.
Pass & Seymour Inc. (See Morey, Harry J., assignor.)
Pass & Seymour, Inc. (See Thompson, Henry R., assignor.)
Payne, Walter B., assignor to Todd Protectograph Co., Inc., Rochester, N. Y. Printing apparatus. 1,505,666; Aug. 19.
Peavey, Carlyle E., Minneapolis, Minn. Doughnut molder or former. 1,505,800; Aug. 19.
Pemberton, Alfred J. (See Golding, E. C., Perks, and Pemberton.)
Perks, Charles. (See Golding, E. C., Perks, and Pemberton.)
Petersen, Louis, assignor to J. P. Lannen, Detroit, Mich. Machine for removing burs from gears. 1,505,420; Aug. 19.
Peterson, Earl L., Corona, assignor to United Concrete Pipe Company, New York, N. Y. Reenforced-concrete pipe. 1,505,801; Aug. 19.
Peterson, John A., Buffalo, N. Y. Line chalker. 1,505,286; Aug. 19.
Petrie, August J., West Allis, and E. B. Bartlett, Milwaukee, assignors to Milwaukee Stamping Co., West Allis, Wis. Reenforcing means for traveling bags or the like. 1,505,421; Aug. 19.
Pfahl, Charles A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic-tire tread. Des. 65,450; Aug. 19.
Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Process and apparatus for the manufacture of electrical condensers. 1,505,600; Aug. 19.
Pierce, George L., Brooklyn, assignor to A. G. Spaulding & Bros., New York, N. Y. Football. 1,505,802; Aug. 19.
Piermattei, Ignazio, Landisville, N. J. Peach cutting and pitting machine. 1,505,488; Aug. 19.
Pitman, Henry L., Westfield, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,505,489; Aug. 19.
Ploense, Emil C., Bloomington, Ill. Thread clearer. 1,505,667; Aug. 19.
Podolsky, Henry, San Francisco, Calif. Automobile signal. 1,505,601; Aug. 19.
Podolsky, Henry, San Francisco, Calif. Dough dropper. 1,505,602; Aug. 19.
Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield construction. 1,505,287; Aug. 19.
Potter, Ellis M. (See Swisher, Frank B., assignor.)
Potter, James C., Pawtucket, R. I. Spinning-machine roller. 1,505,422; Aug. 19.
Powell, Loyd C., Cushing, Okla. Pressure regulator. 1,505,217; Aug. 19.
Powers, Daniel L., Arvada, Colo. Spring lubricator. 1,505,490; Aug. 19.
Preilwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for percussive tools. 1,505,727; Aug. 19.
Prescott, Arthur C., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,505,929; Aug. 19.
Pressed Steel Car Company. (See Miller, Frank E., assignor.)
Prest-O-Lite Company, The. (See Benner, R. C., and French, assignors.)
Price, James W., assignor to The Tulsa Invention Company, Tulsa, Okla. Air chuck. 1,505,491; Aug. 19.
Prizel, Charles R., assignor of one-fourth to H. Schimmels and one-fourth to W. R. Lewis, Home City, Kans. Plowpoint. 1,505,668; Aug. 19.

Prouty, Charles N., Spencer, Mass., and W. B. Darton, Portland, Me. Decoy strap. 1,505,423; Aug. 19.
Purinton, Forrest G., Waterbury, Conn. Electroplating apparatus. 1,505,424; Aug. 19.
Pylick, Nathalie O., Cleveland, Ohio. Desk attachment 1,505,803; Aug. 19.
Quain, John R., Westminster, London, England. Ozone apparatus. 1,505,603; Aug. 19.
Quain, John R., London, England. Apparatus for the production of ozone. 1,505,669; Aug. 19.
Rabe, Otto. (See Turner, Samuel J., assignor.)
Rabe, Otto, et al., executors. (See Turner, Samuel J.)
Raber, Nelson E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cutting machine. 1,505,425; Aug. 19.
Rambaud, Elisée P., New Orleans, La. Combination lock. 1,505,164; Aug. 19.
Rayford, Mathew, Philadelphia, Pa. Apparatuts for preventing theft. 1,505,728; Aug. 19.
Reading Chain Block Corporation. (See Gernert, Chester F., assignor.)
Reddig, Charles E., Kew Garden, assignor to Western Electric Company Incorporated, New York, N. Y. Washing machine. 1,505,492; Aug. 19.
Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,505,604; Aug. 19.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Speed-varying transmission. 1,505,427; Aug. 19.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reeves, William H., St. Louis, Mo. Pump. 1,505,165; Aug. 19.
Remington Accounting Machine Corporation. (See Strother, Robert H., assignor.)
Renholts, John, Oakland, Calif. Coin register. 1,505,426 Aug. 19.
Resilient Safe-Wheel Company. (See Bohannon, David D., assignor.)
Reynolds, Albert, assignor to Anderson-Barngrover Company, San Jose, Calif. Cooker. 1,505,670; Aug. 19.
Rhoads, Harry E. (See Belden, E. H., and Rhoads.)
Richards, Fred A., F. C. Bochatey, and J. T. Jones, Golden, Colo.; said Jones assignor to said Richards and said Bochatey. Hose clamp. 1,505,428; Aug. 19.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Multi-office telephone system. 1,505,105; Aug. 19.
Risley, Oscar. (See Settle, G. W., and Risley.)
Ripley, William H., Hartford, assignor to The Whitlock Coil Pipe Company, West Hartford, Conn. Heat-exchange apparatus. 1,505,429; Aug. 19.
Rivers, Ara M., administratrix. (See Rivers, C. A., and Stuart.)
Rivers, Charles A., deceased, and F. B. Stuart, El Paso, Tex.; A. M. Rivers, administratrix. Auxiliary air-supply device for internal-combustion engines. 1,505,288; Aug. 19.
Roberts, Edmund W., Cincinnati, Ohio, assignor of one-half to C. S. Somervell, Riverton, N. J. Impact tool. 1,505,493; Aug. 19.
Roberts, Thomas R., and E. F. Owen, Toronto, Canada; said Owen assignor to said Roberts. Fastening for footwear and the like. 1,505,430; Aug. 19.
Robertshaw, Frederick W., Pittsburgh, Pa. Water-heating apparatus. 1,505,729; Aug. 19.
Rockrohr, Harry O., Delmar, Iowa. Gate. 1,505,923; Aug. 19.
Rockwell, Herbert O., assignor to Brady Electric & Manufacturing Company, New Britain, Conn. Insulator and support therefor. 1,505,730; Aug. 19.
Rodrian Electro-Metallurgical Co. (See Rordian, Richard, assignor.)
Rodrian, Richard, assignor, by mesne assignments, to H. Adelmann, New York, N. Y. Extracting metals. 1,505,494; Aug. 19.
Rodrian, Richard, New York, N. Y., assignor to Rodrian Electro-Metallurgical Co., Incorporated. Smelting apparatus. 1,505,495; Aug. 19.
Roettges, Frederick, Stamford, Conn., assignor to William R. Noe & Sons. Candlestick. Des. 65,451; Aug. 19.
Rohde, Karl, Berlin-Charlottenburg, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Manufacturing active carbon. 1,505,496; Aug. 19.
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electrical measuring instrument. 1,505,497; Aug. 19.
Roller-Smith Company. (See Roller, Frank W., assignor.)
Rollins, Grant W., assignor to The Willys-Overland Company, Toledo, Ohio. Axle packing. 1,505,431; Aug. 19.
Rose, William H., Jersey City, N. J. Making containers. 1,505,804; Aug. 19.
Rosenthall, Sem, Montreal, Quebec, Canada. Cabinet. 1,505,805; Aug. 19.
Ross, Benjamin St., New Westminster, British Columbia, Canada. Price-calculating machine. 1,505,498; Aug. 19.
Ross, Justus J., Huntington, W. Va. Metal mine tie. 1,505,806; Aug. 19.
Ross, Justus J., Huntington, W. Va. Metal mine tie. 1,505,807; Aug. 19.
Ross, Justus J., Huntington, W. Va. Metal mine tie. 1,505,808; Aug. 19.
Rotax Co. (See Schatz, William A., assignor.)
Ruff, Samuel P., jr., Chester, Pa. Means for waxing yarns. 1,505,432; Aug. 19.
Ruff, Samuel P., jr., Chester, Pa. Means for waxing yarns. 1,505,433; Aug. 19.
Rupp, John L., Wilkinsburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery jar. 1,505,166; Aug. 19.
Russia Cement Company. (See Morse, Lewis C., assignor.)
Rutledge, Richard E. (See Thomas, B. P., and Rutledge.)
Saari, Leonard, and W. Jackson, Superior, Ariz. Means for facilitating the copying of drawings. 1,505,499; Aug. 19.
Safety Mine Car Brake Company. (See Heltman, Curg W., assignor.)
Sanders, Charles S., Baltimore, Md. Hair-pressing cap. 1,505,289; Aug. 19.
Sartore, Laurence, Pittsburgh, Pa. Stuffing sausage casings. 1,505,218; Aug. 19.
Sawkins, Huntington D., Baltimore, Md. Salting peanuts. 1,505,605; Aug. 19.
Scanlan, Earl M., Denver, Colo. Automobile ornament. 1,505,290; Aug. 19.
Scanlon, Thomas J., et al. (See Eberenz, George B., assignor.)
Schaefer, Louis, jr., Chicago, Ill. Combination locker. 1,505,291; Aug. 19.
Schaefer, William, assignor to Berbecker & Rowland Manufacturing Company, Waterville, Conn. Curtain rod. 1,505,434; Aug. 19.
Schanfein & Tamis. (See Tamis, Louis, assignor.)
Schatz, William A., Asturia, assignor to Rotax Co., Inc., New York, N. Y. Beverage dispenser. 1,505,435; Aug. 19.
Schicht, Georg A. G. (See Grün, Adolf, assignor.)
Schiller, Oscar, New York, N. Y. Ornament for ladies' slippers. 1,505,436; Aug. 19.
Schimmels, Henry, et al. (See Prigel, Charles R., assignors.)
Schmidt, Julius S., Bechard, Saskatchewan, Canada. Gasifier. 1,505,809; Aug. 19.
Schneider, Peter F., and R. J., and W. F. Blake, Detroit, Mich. Washing machine. 1,505,606; Aug. 19.
Schneider, Raymond J. (See Schneider, P. F. and R. J., and Blake.)
Schreiber, Sigmond, Pittsburgh, Pa. Dispensing device. 1,505,930; Aug. 19.
Schroeder, Oscar C., Chicago, Ill. Apparatus for atomizing fuel oils, etc. 1,505,607; Aug. 19.
Schröder, Hans W. C., Lubeck, assignor to A. B. Dräger, Finkenberg, Lubeck, Germany. Burner for the autogenous cutting of metals. 1,505,106; Aug. 19.
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schuh, Otto H., Wheatland, Wyo. Lifting apparatus. 1,505,810; Aug. 19.
Schweizer, Alto, Erling, Oberbayern, Germany, assignor to C. Schweizer, St. Louis, Mo. Invalid appliance for beds. 1,505,437; Aug. 19.
Schweizer, Charles. (See Schweizer, Alto, assignor.)
Schweizer, Wilhelm, Basel, Switzerland. Device for equalizing crank pivots. 1,505,167; Aug. 19.
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. 1,505,107; Aug. 19.
Sears, Edward M. (See Tuttle, J. C., and Sears.)
Seat, William S. (See Nichols, Ollie E., assignor.)
Seely, Roy M., Middletown, N. Y. License-plate holder. 1,505,608; Aug. 19.
Seelye, Elwyn E., White Plains, N. Y. Concrete floor construction. 1,505,500; Aug. 19.
Seeman, Charles E., and L. V. Barach, Pittsburgh, Pa. Sectional billiard cue. 1,505,609; Aug. 19.
Serrell, John A., North Plainfield Borough, N. J. Liquid-supply-controlling apparatus. 1,505,292; Aug. 19.
Serrell, John A., North Plainfield Borough, N. J. Liquid-supply-control apparatus. 1,505,293; Aug. 19.
Settle, George W., Cape May, and O. Risley, Wildwood, N. J. Laundry timer. 1,505,811; Aug. 19.
Setzer, Albert, Providence, R. I. Electric storage battery. 1,505,219; Aug. 19.
Sharaf, R. M., Machine Co. (See Sharaf, Ralph M., assignor.)
Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Cloth folder for sewing machines. 1,505,731; Aug. 19.
Shay, Ralph R., Park Ridge, assignor to Chicago Apparatus Company, Chicago, Ill. Spring clamp. 1,505,220; Aug. 19.
Shea, John J., jr., Elmhurst, N. Y. Collapsible structure. 1,505,221; Aug. 19.
Shears, Sumner S., Brooklyn, N. Y. Vehicle spring. 1,505,222; Aug. 19.
Sherwood, Clarence M., and R. K. Cole, Brunswick, Ga., assignors to Hercules Powder Company, Wilmington, Del. Extracting turpentine and rosin from resinous wood. 1,505,438; Aug. 19.
Showalter, Charles F., Omaha, Nebr. Vehicle jack. 1,505,294; Aug. 19.
Siders, Cecil F., Norwood, Ohio. Liquid-depth gauge. 1,505,931; Aug. 19.
Siehl, Carl, Ionia, Mich. Button. 1,505,501; Aug. 19.
Siemens & Halske, Aktiengesellschaft. (See Bilgler, R., and Voigt, assignors.)
Signode System, Incorporated. (See Kux, A. S., and Guenther, assignors.)

Silsbee, Joseph L., Salt Lake City, Utah. Recovery of potassium and magnesium salts from natural brines and calcareous muds. 1,505,295; Aug. 19.
Simmons Company. (See Stuart, Charles A., assignor.)
Simon, Fred L., Baltimore, Md. Conveyer. 1,505,732; Aug. 19.
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Doorcheck. 1,505,223; Aug. 19.
Skayef Ball Bearing Company, The. (See Wikander, Oscar R., assignor.)
Skelton, Charles E., Syracuse, N. Y. Puff iron. 1,505,812; Aug. 19.
Skréberg, Hans, Big Bend Township, Minn. Mail-box support. 1,505,439; Aug. 19.
Slapka, John P., Chicago, Ill. Bottle closure. 1,505,733; Aug. 19.
Slocum, Arthur G., Ensign, Kans. Cut-off for oil burners. 1,505,813; Aug. 19.
Smallwood, George T., Washington, D. C. System for burning oil. 1,505,502; Aug. 19.
Smith, Annesley D., Mount Vernon, N. Y. Heating and cooling plastic material and apparatus therefor. 1,505,671; Aug. 19.
Smith, Charles, Duluth, Minn. Attaching link for tire chains. 1,505,440; Aug. 19.
Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Ratchet feed for spreaders. 1,505,672; Aug. 19.
Smith, Gary B., Chicago, Ill. Wire-twisting machine. 1,505,673; Aug. 19.
Smith, Paul J., assignor to Wheeling Stamping Company, Wheeling, W. Va. Sheet-metal-press system. 1,505,814; Aug. 19.
Smith, Sydney. (See Garner, H., J. P., and Smith.)
Smith, Walter L., New York, N. Y. Golf club. 1,505,296; Aug. 19.
Smith, Walter M., Jackson, Tenn. Bottle cooler and vending apparatus. 1,505,441; Aug. 19.
Snead & Company. (See MacDonald, Angus S., assignor.)
Société Anonyme des Etablissements A. Oller. (See Oller, André, assignor.)
Société dite Manufactures des Glaces & Produits Chimiques de St. Gobain, Chauny & Cirey. (See Debnecker, Georges H. L., assignor.)
Societe du Carburateur Zenith. (See Baverey, François, assignor.)
Somervell, C. S. (See Roberts, Edmund W., assignor.)
Southworth, Harrison H., Evanston, Ill. Heating and vaporizing auxiliary for furnaces. 1,505,224; Aug. 19.
Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
Sparhawk, Charles E., Drumbeller, Alberta, Canada. Trench-warfare device. 1,505,168; Aug. 19.
Speck, Peter, St. Louis, Mo. Truss. 1,505,225; Aug. 19.
Spencer Lens Co. (See Ott, Harvey N., assignor.)
Sprecher, Peter W., Milwaukee, Wis. Electric-fixture hanger. 1,505,108; Aug. 19.
Stacey, Grover C., Dallas, Tex. Sand extractor. 1,505,226; Aug. 19.
Stafford, Lewis F., assignor to Stafford Sales Company, Chicago, Ill. Bumper. 1,505,169; Aug. 19.
Stafford Sales Company. (See Hale, John D., assignor.)
Stafford Sales Company. (See Stafford, Lewis F., assignor.)
Stamberger, Joseph, Buffalo, N. Y. Detachable shoe heel. 1,505,815; Aug. 19.
Staples, Charles F., Detroit, Mich. Washing machine. 1,505,674; Aug. 19.
State Street Trust Company, trustee. (See Field, Samuel B., assignor.)
Staude, Edwin G., Minneapolis, Minn. Means for softening a carton blank surface. 1,505,227; Aug. 19.
Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,505,171; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,505,734; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,505,735; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,505,736; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,505,737; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Table concentrator. 1,505,738; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Pneumatic sizer. 1,505,739; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,505,740; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,505,741; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,505,742; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Separator. 1,505,743; Aug. 19.
Stebbins, Albert H., Los Angeles, Calif. Separator. 1,505,744; Aug. 19.
Steele, Charles W., assignor to The Miller Rubber Company, Akron, Ohio. Mold for vulcanizing hollow articles. 1,505,816; Aug. 19.
Stehrer, Fredrich, Baltimore, Md. Electric switch and lamp socket. 1,505,228; Aug. 19.
Steiner Sales Company. (See Olson, Gottfrdi, assignor.)
Steinmetz, Stefan, Berlin, Germany. Grinding. 1,505,740; Aug. 19.
Stephens, Thomas J., Cleveland, Ohio. Fluid-dispensing container. 1,505,442; Aug. 19.
Stephenson, Lowell H., Cleveland, Ohio. Fire extinguisher. 1,505,297; Aug. 19.
Steuart, Alexander, Edinburgh, Scotland. Clock, chronograph, and the like. 1,505,610; Aug. 19.
Stevens, Arthur L., Chicago, Ill. Apparatus for drop-forging and like operations. 1,505,298; Aug. 19.
Stewart, George L. (See Elbert, John D., assignor.)
Stewart, Scott, Rivesville, W. Va. Dispensing apparatus. 1,505,503; Aug. 19.
Stiemke, Walter H. (See Jett, George C., assignor.)
Stirn, Charles, San Francisco, Calif. Extension hot-food table. 1,505,299; Aug. 19.
Stirn, Charles, San Francisco, Calif. Cooking utensil. 1,505,675; Aug. 19.
Stoddard, Leon B., Willimansett, Mass. Razor-blade-stropping device. 1,505,300; Aug. 19.
Stone, Hampton A., Beaumont, Tex. Lifting device. 1,505,443; Aug. 19.
Stone, Robert A., and R. H. Basham, Columbus, Ohio. Door fastener. 1,505,229; Aug. 19.
Stoner, Lorenzo J., Tulsa, Okla. Wrench pole. 1,505,504; Aug. 19.
Stratton, John F. O., Sewickley, Pa. Furnace. 1,505,505; Aug. 19.
Strohmaier, George, Elgin, N. Dak. Indicating system for grain elevators. 1,505,676; Aug. 19.
Stromquist, Carl E., assignor to F. A. Lundquist, Chicago, Ill. Oil burner. 1,505,745; Aug. 19.
Stromquist, Carl E., assignor to Frank A. Lundquist, Chicago, Ill. Oil burner. 1,505,746; Aug. 19.
Stromswold, Leonard T. (See Hancock, W. G., and Stromswold.)
Strother, Robert H., Montclair, N. J., assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,505,747; Aug. 19.
Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 65,452; Aug. 19.
Stuart, Francis B. (See Rivers, C. A., and Stuart.)
Stultz, Frank, Canon City, Colo. Spring trap-jaw guard. 1,505,506; Aug. 19.
Sukalle, William, Phoenix, Ariz. Skinning knife. 1,505,507; Aug. 19.
Sullivan, Emilie, Los Angeles, Calif. Hemming device. 1,505,677; Aug. 19.
Sullivan Machinery Company. (See Holdsworth, Fred W., assignor.)
Summers, Bertrand S., Port Huron, Mich. Electro-depositing lead upon iron. 1,505,109; Aug. 19.
Sun Oil Company. (See Maitland, Harold T., assignor.)
Swaney, Robert R., Sacramento, Calif. Radiator-core-forming machine. 1,505,172; Aug. 19.
Swanson, Carl S., New York, N. Y. Spark plug. 1,505,817; Aug. 19.
Swanson, Charles E., and F. C. Burton, assignors to Cheney Talking Machine Co., Chicago, Ill. Phonograph cabinet. Des. 65,453; Aug. 19.
Swanson, John E. (See Anderson, Carl G., assignor.)
Swanson, William E., Weehawken, N. J. Veneer knife. 1,505,444; Aug. 19.
Sweigard, Emanuel W., Los Angeles, Calif., assignor to Sweigard Ideal Co., Philadelphia, Pa. Vacuum printing frame. 1,505,818; Aug. 19.
Sweigard Ideal Co. (See Sweigard, Emanuel W., assignor.)
Swenson, Carl E., assignor to Mechanics Machine Company, Rockford, Ill. Transmission. 1,505,611; Aug. 19.
Swisher, Frank B., assignor to E. M. Potter, New York, N. Y. Scissors sharpener. 1,505,678; Aug. 19.
Syracuse Washing Machine Corporation. (See Derschug, John N., assignor.)
Tabet, Sahliah, A., Boynton, Fla. Device for attachment to pumps. 1,505,819; Aug. 19.
Tamis, Louis, assignor to Schanfein & Tamis, New York, N. Y. Cigarette case. 1,505,748; Aug. 19.
Taylor, John F., Charleston, S. C. Windlass attachment for automobile wheels. 1,505,230; Aug. 19.
Teetor, Daniel C., Indianapolis, Ind. Reciprocating mechanism. 1,505,749; Aug. 19.
Templeton, Jones T., assignor to The Buck's Stove & Range Company, St. Louis, Mo. Heating stove. Des. 65,454; Aug. 19.
Toner, Alexander C., trustee. (See Todd, James, assignor.)
Tennessee Copper & Chemical Corporation. (See Fairlie, Andrew M., assignor.)
Thayer, Harry W., assignor to The Killefer Manufacturing Company, Los Angeles, Calif. Power lift for ground-working implements. 1,505,679; Aug. 19.
Thomas, Brice P., and R. E. Rutledge, Hope, Ark. Composition of matter. 1,505,820; Aug. 19.
Thomas, George H., Bridgeport, Conn., assignor to Bryant Electric Company. Lamp holder. 1,505,821; Aug. 19.
Thompson, Henry R., Falls Church, Va., assignor to Pass & Seymour, Inc., Solvay, N. Y. Fixture adjuster for outlet boxes. 1,505,301; Aug. 19.
Thomsen, Alfred M., et al. (See Judd, Edward K., assignor.)
Tiemann, Frederick, Ordway, Colo. Weeding hoe. 1,505,173; Aug. 19.
Timmons, Lindsay H., assignor of one-half to G. B. Frost, Des Moines, Iowa. Spring. 1,505,445; Aug. 19.

Todd, James, Sewickley, assignor to A. C. Tener, trustee, Pittsburgh, Pa. Operation of ozone machines. 1,505,750; Aug. 19.
Todd, James, Sewickley, Pa., assignor to A. C. Tener, trustee. Manufacture of ozonized air. 1,505,751; Aug. 19.
Todd, James, Sewickley, Pa., assignor to A. C. Tener, trustee for J. Todd, jr. Manufacture of ozonized air. 1,505,752; Aug. 19.
Todd Protectograph Co. (See Payne, Walter B., assignor.)
Tollenaar, Glenn E. (See Burns, H. J., and Tollenaar.)
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,505,231; Aug. 19.
Toti, Peter, Philadelphia, Pa. Oil burner for heaters. 1,505,753; Aug. 19.
Townley, Robert S., Toledo, Ohio. Garment-drier rack. 1,505,446; Aug. 19.
Trager, Leon, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Water meter. 1,505,508; Aug. 19.
Trager, Leon, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Deformable spacer. 1,505,612; Aug. 19.
Trautner, Nicholas W., St. Paul, Minn. Wheel puller. 1,505,232; Aug. 19.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. System of electric distribution. 1,505,822; Aug. 19.
Triol, Edward K., Seattle, Wash. Concrete pavement construction. 1,505,174; Aug. 19.
Trochta, John, League City, Tex. Dirigible headlight for automobiles. 1,505,823; Aug. 19.
Trumbull, Nelson J., Whitewater, Colo. Device for applying antiskid chains to automobile tires. 1,505,824; Aug. 19.
Tulsa Invention Company, The. (See Price, James W., assignor.)
Turner, Charles L., Jersey City, N. J. Locking device. 1,505,825; Aug. 19.
Turner, Samuel J., deceased, Chicago, by O. Rabe and The Northern Trust Company, executors, assignors of one-half to said O. Rabe, Wilmette, Ill. Strap-actuating appliance. 1,505,754; Aug. 19.
Turney, Harry L., Portland, Oreg. Geared locomotive. 1,505,509; Aug. 19.
Turvene, John C., Dayton, Ohio. Tire-carrier attachment for automobile spare-tire racks and the like. 1,505,175; Aug. 19.
Tuttle, John C., and E. M. Sears, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 65,455; Aug. 19.
Udale, Stanley M., assignor to E. Holley, Detroit, Mich. Mold coating. 1,505,176; Aug. 19.
Ubl, Matthäus, Danau, Germany. Tool. 1,505,510; Aug. 19.
Uhlemann Optical Company. (See Uhlemann, William R., assignor.)
Uhlemann, William R., assignor to Uhlemann Optical Company, Chicago, Ill. Pupillary-measuring instrument. 1,505,447; Aug. 19.
Underwood Computing Machine Company. (See Pitman, Henry L., assignor.)
Underwood Typewriter Company. (See Fowler, Ewell E., assignor.)
Unger, Paul O. (See Fargo, C. R., and Unger.)
Union Draft Gear Co. (See Barnard, Harry, assignor.)
Union Special Machine Company. (See Heap, Jesse J., assignor.)
United Concrete Pipe Company. (See Peterson, Earl L., assignor.)
United Engineering and Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Engineering & Foundry Company. (See Johnson, Lane, assignor.)
United Engineering & Foundry Co. (See Mueller, Henry, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
Urick, Harry W., Seattle, Wash. Liquid dispenser. 1,505,511; Aug. 19.
Utica Valve & Fixture Company. (See Harris, George H., assignor.)
Utter, Lee E. (See Howland, R. E., and Utter.)
Valenti, John. (See De Nicola, J., and Valenti.)
Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Apparatus for determining the moisture content of butter and the like. 1,505,755; Aug. 19.
Van Oort, Cornelius J., Hotchkiss, Colo. Haystacker. 1,505,826; Aug. 19.
Van Sant, William S., Oakland, Calif. Ice scraper. 1,505,448; Aug. 19.
Vester, Alfred, Sons, Inc. (See Howell, Hamilton T., assignor.)
Victorsohn, Morris, Brooklyn, N. Y. Motor resetter. 1,505,512; Aug. 19.
Villaret, Gustave E., assignor to William R. Noe & Sons, New York, N. Y. Candlestick. Des. 65,456; Aug. 19.
Villasenor, Alberto. (See Villasenor, Eduardo and A.)
Villasenor, Eduardo and A., Merida, Mexico. Tablet-making machine. 1,505,827; Aug. 19.
Vincent, Orville L., Omaha, Nebr. Automatic grade-crossing signal. 1,505,449; Aug. 19.
Voigt, Hermann. (See Bilgler, R., and Voigt.)
Von Post, Anna, execu rix. (See Von Post, Carl G.)
Von Post, Anna, executrix. (See Von Post, Gustaf.)
Von Post, Carl G., deceased, Stockholm; A. von Post, executrix, assignor to Aktiebolaget Original-Odhner, Gotenborg, Sweden. Weighing mechanism. 1,505,110; Aug. 19.
Von Post, Gustaf, deceased, New York, N. Y.; A. von Post, executrix, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden. Recording weighing scale. 1,505,111; Aug. 19.
Von Pressentin, Guy, Spokane, Wash. Fly-book case. 1,505,177; Aug. 19.
Von Vass, Josef, Budapest, Hungary. Applying protective coatings. 1,505,112; Aug. 19.
Wade, Verner M., and C. E. Zuspan, Fairmont, W. Va. Box-folding machine. 1,505,178; Aug. 19.
Wagner, Elmer C. L., Kansas City, Mo. Bathing pool. 1,505,756; Aug. 19.
Walberg, Rober. C., New Preston, Conn. Heater 1,505,828; Aug. 19.
Walker, Osborne F., London, England. Apparatus for controlling the flow or pressure of fluids. 1,505,450; Aug. 19.
Walker, Richard A., Skidmore, Mo. Burner. 1,505,513; Aug. 19.
Walker, Robert, Dover, N. J. Structural sleeve for foundation sills. 1,505,680; Aug. 19.
Wall, Arthur W., Sheldon, near Birmingham, assignor of three-fourths to J. White, jr., Boulton Road, Handsworth, Birmingham, England. Internal-combustion engine. 1,505,451; Aug. 19.
Walton, Charles F., jr. (See Badollet, M. S., Hamilton, and Walton.)
Warden, Henry I. (See Griswold, George W., assignor.)
Warnecke, Harry W., New York, N. Y. Dressing chair. 1,505,829; Aug. 19.
Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
Warner, Maurice L., Amherst, Mass. Electric griddle. 1,505,681; Aug. 19.
Warnock, Amos W., Somerville, assignor to C. H. Young, Boston, Mass. Attaching device for skid wheels. 1,505,913; Aug. 19.
Warnock, Hugh M., assignor to Gidley Boat Company, Limited, Penetanguishene, Ontario, Canada. Motor boat. 1,505,113; Aug. 19.
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Shaft packing for elastic-fluid turbines and the like. 1,505,924; Aug. 19.
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Automatic regulation. 1,505,925; Aug. 19.
Warren, John J., Brownville, N. Y. Apparatus for grinding wood pulp. 1,505,757; Aug. 19.
Warren, John J., Brownville, N. Y. Method of and apparatus for controlling the pulp in the pit of a wood-pulp grinder. 1,505,758; Aug. 19.
Washington Mould Machine and Foundry Company, The. (See Fletcher, Roy L., assignor.)
Waters, Lawrence W., Kingsburg, Calif. Flexible can conveyer. 1,505,830; Aug. 19.
Watson, Frederick W. (See Mackenzie, A. R., and Watson.)
Weber, Charles, assignor to Weber Pearl Bath Company, Newark, N. J. Air compressor. 1,505,114; Aug. 19.
Weber Engine Company. (See Gold, Samuel B., assignor.)
Weber Pearl Bath Company. (See Weber, Charles, assignor.)
Wehkaoja, Jaakko, Royalston, Mass. Toy. 1,505,831; Aug. 19.
Wehn, Charles E., Alameda, and H. W. Larsson, Oakland, Calif. Pencil. 1,505,452; Aug. 19.
Weir, James W., Fillmore, Calif. Extracting wax from wax-containing hydrocarbons. 1,505,453; Aug. 19.
Weiss, John, Brooklyn, N. Y. Pedal zither. 1,505,514; Aug. 19.
Weisz, Amelie. (See Weisz, George R., assignor.)
Weisz, George R., assignor of eight-tenths to A. Weisz, Brooklyn, N. Y. Propulsion system. 1,505,832; Aug. 19.
Welch, Alfred F. (See Bergman, S. R., and Welch.)
Wells, Robert L., Chicago, Ill. Can opener. 1,505,833; Aug. 19.
Welte-Mignon Corporation. (See Cheek, Tolbert F., assignor.)
Welte-Mignon Corporation. (See Nickels, Martin, assignor.)
Westendorf, Henry, Halbur, Iowa. Clutch dismembering and assembling tool. 1,505,834; Aug. 19.
Western Electric Company. (See Akers, Milton K., assignor.)
Western Electric Company. (See Irvine, Frank S., assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Moore, Charles R., assignor.)

Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Stearn, Franklin A., assignor.)
Westeson, Hugo, Vastervik, Sweden. Signaling device for railway switches. 1,505,115; Aug. 19.
Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
Westinghouse Union Battery Company. (See Rupp, John L., assignor.)
Weston, Leroy A., Adams, Mass. Device for inserting cement into pipe joints. 1,505,613; Aug. 19.
Wheeler, Thorne L. (See Woodruff, J. C., and Wheeler.)
Wheeling Stamping Company. (See Smith, Paul J., assignor.)
White, John jr. (See Wall, Arthur W., assignor.)
White, Joseph A., assignor to Moore & White Company, Philadelphia, Pa. Rotary screen. 1,505,835; Aug. 19.
White, Joseph A., assignor to The Moore & White Company, Philadelphia, Pa. Screen box. 1,505,836; Aug. 19.
Whiteley, Robert H., assignor to E. A. Zimmerman, trustee, Chicago, Ill. Heater conduit. 1,505,179; Aug. 19.
Whiteman, George W., Philadelphia, Pa. Rail fastening. 1,505,614; Aug. 19.
Whitlock Coil Pipe Company, The. (See Ripley, William H., assignor.)
Whobrey, Nannabell, assignor of one-half to W. W. Glasgow, Akron, Ohio. Hand bag or similar article. Des. 65,457; Aug. 19.
Wicker, Rassie E., Cameron, N. C. Alarm for moving-picture reels. 1,505,837; Aug. 19.
Widell, Magnus E., Maywood, Ill., assignor to American Can Company, New York, N. Y. Hinge-forming apparatus for metal articles. 1,505,180; Aug. 19.
Wiebe, Edward C., Aberdeen, Idaho. Carriage track. 1,505,116; Aug. 19.
Wieland, Heinrich, Munich, Germany. Obtaining the active principle of lobelia. 1,505,181; Aug. 19.
Wikander, Oscar R., Glen Ridge, N. J., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Roller bearing. 1,505,454; Aug. 19.
Wilander, Karl. (See Mork, Walter, assignor.)
Wilkins, Robert F., and H. Chandler, Bristol, England. Composition for facing walls and partitions. 1,505,302; Aug. 19.
Williams, Fred B., Highland Park, Ill. Clothesline tightener. 1,505,455; Aug. 19.
Willys-Morrow Company, The. (See Knowles, Harford C., assignor.)
Willys-Overland Company, The. (See Belden, E. H., and Rhoads, assignors.)
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Gravel, Abundius, assignor.)
Willys-Overland Company, The. (See Jerdone, Francis, jr., assignor.)
Willys-Overland Company, The. (See Rollins, Grant W., assignor.)
Wilputte, Alice A. (See Wilputte, Louise, assignor.)
Wilputte, Louis, assignor of two-thirds to A. A. Wilputte, New Rochelle, N. Y. Apparatus for and method of decantation. 1,505,759; Aug. 19.
Wilson, John H., assignor to The Aluminum Cooking Utensil Co., New Kensington, Pa. Fruit or vegetable strainer. 1,505,456; Aug. 19.
Wilson, Walter, and C. T. Michalic, San Francisco, Calif. Changeable illuminator. 1,505,457; Aug. 19.
Wired Radio Inc. (See Hough, Clinton W., assignor.)
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Apparatus for indicating differences in angular velocity in rotating members. 1,505,515; Aug. 19.
Wirth, Dorsey M., Bucyrus, Ohio. Belt buckle. 1,505,516; Aug. 19.
Withrow, Homer H., Brooks, W. Va. Key tag. 1,505,838; Aug. 19.
Withun, Lawrence O., Capac, Mich. Electrically-operated swing. 1,505,117; Aug. 19.
Witt, Harry C., Stoneham, Mass. Box. 1,505,458; Aug. 19.
Witteborg, Edmund G., Chicago, Ill. Insect and dust protection. 1,505,914; Aug. 19.
Wittstein, Francis H., Newark, N. J. Finger ring. Des. 65,458; Aug. 19.
Wolf, Arthur, Vienna, Austria. Weighing and recording device. 1,505,303; Aug. 19.
Wolfe, Chase W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Rut guard. 1,505,233; Aug. 19.
Wolverine Bumper & Specialty Company. (See Godwin, Arthur M., assignor.)
Wood, John C., Clinton, Iowa. Glareproof vision shield. 1,505,839; Aug. 19.
Wood, Robert F., and W. H. McCarthy, Mahanoy Plane, Pa. Lifting jack. 1,505,118; Aug. 19.
Woodruff, John C., and T. L. Wheeler, New York, N. Y. Activating carbon. 1,505,517; Aug. 19.
Woolsey, Charles A., Minneapolis, Minn. Milk crate. 1,505,682; Aug. 19.
Workman, Samuel T., jr., Moorestown, N. J. High chair. 1,505,518; Aug. 19.
Worthington Pump and Machinery Corporation. (See Trager, Leon, assignor.)
Wrixton, Ernest E., Oakland, Calif. Vehicle package carrier. 1,505,152; Aug. 19.
Wyatt, De Witt H., and W. C. Groeniger, assignors to The Groeniger Manufacturing Company, Columbus, Ohio. Outlet connection for plumbing fixtures. 1,505,683; Aug. 19.
Yale & Towne Manufacturing Company. (See Augenbraun, Peter F., assignor.)
Yale & Towne Manufacturing Company, The. (See Freysigner, John B., assignor.)
Yates, Charles R., Culver, Ind. Safety driving light. 1,505,615; Aug. 19
Yoe, Henry F., Detroit, Mich. Panic bolt. Des. 65,459; Aug. 19.
Young, Benjamin Ira, and H. R. Haywood, Petaluma, Calif. For transmission lining. 1,505,519; Aug. 19.
Young, Clarence H. (See Warnock, Amos W., assignor.)
Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
Zabriskie, Ernest R., Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Method and means for packing articles for shipment. 1,505,520; Aug. 19.
Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)
Zeiss, Firm of Carl. (See Erfle, Heinrich, assignor.)
Zimmerman, Edward A., trustee. (See Whitely, Robert H., assignor.)
Zimmerman, Richard A., Spokane, Wash. Saw guide. 1,505,119; Aug. 19.
Zitscher, Arthur. (See Laska, A. L., and Zitscher.)
Zschunke, Otto. (See Fink, J. G., and Zschunke.)
Züblin, Fritz, Strassburg, France. Closing and discharging device for large receptacles, such as bunkers and the like. 1,505,840; Aug. 19.
Zucker, David, St. Louis, Mo. Cap. 1,505,183; Aug. 19.
Zuckermann, Rosie. (See Zukor, Arnold, assignor.)
Zukor, Arnold, New York, N. Y. Door-securing means. 1,505,184; Aug. 19.
Zukor, Arnold, New York, assignor of one-twentieth to R. Zuckermann, Saratoga Springs, N. Y. Automatic railway signal and stop. 1,505,459; Aug. 19.
Zuspan, Charles E. (See Wade, V. M., and Zuspan.)
Zuzulin, Nicholas J., Minot, N. Dak. Heat absorbing and radiating apparatus. 1,505,120; Aug. 19.
Zwisler, Arthur L. (See Conroy, J. P., and Zwisler.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator, Foot-controlled. J. C. Creagmile and C. W. Hartmann. 1,505,088; Aug. 19.
Accordions, Piano-key mechanism for. J. Palmer. 1,505,486; Aug. 19.
Acetylene generator. A. L. Hansen. 1,505,259; Aug. 19.
Acoustical device. C. R. Moore. 1,505,481; Aug. 19.
Adding machines, Clear-signal mechanism for writing-. H. A. Foothorap. 1,505,384; Aug. 19.
Adding machines, Debit and credit distribution for writing-. H. A. Foothorap. 1,505,385; Aug. 19.
Advertising device. F. W. Kunschman. 1,505,151; Aug. 19.
Aerial bomb. J. B. Hadaway. 1,505,387; Aug. 19.
Aeroplane. D. E. Miller. 1,505,911; Aug. 19.
Air chuck. J. W. Price. 1,505,491; Aug. 19.
Air-cleaning device. G. C. Jett. 1,505,564; Aug. 19.
Air compressor. C. Weber. 1,505,114; Aug. 19.
Air, Manufacture of ozonized. J. Todd. 1,505,751–2; Aug. 19.
Airship. C. S. Close. 1,505,376; Aug. 19.
Airship. L. Dürr. 1,505,135; Aug. 19.
Airships, Rigid frame for. K. Arnstein. 1,505,689; Aug. 19.
Alarm: *See*—
Burglar alarm. Tire-deflation alarm.
Amusement device. K. H. Hamilton and C. Hardman. 1,505,390; Aug. 19.
Arsenates from speiss, Production of. C. P. Linville. 1,505,718; Aug. 19.
Ash case, Pocket. H. P. Matthews. 1,505,400; Aug. 19.
Ash in chain grates, Apparatus for dumping. C. W. Burroughs. 1,505,310; Aug. 19.
Ash tray and match-box holder, Combined. K. F. Lees. 1,505,396; Aug. 19.
Attachment device. H. Berlow. 1,505,318; Aug. 19.
Auto bumper. G. B. O'Connor. 1,505,662; Aug. 19.
Automobile brake mechanism. E. P. du Pont. 1,505,134; Aug. 19.
Automobile bumper bracket. G. F. Kolb. 1,505,901–2; Aug. 19.
Automobile bumper bracket. G. F. Kolb and J. H. Lucas. 1,505,900; Aug. 19.
Automobile door handle. R. Marple. Des. 65,445; Aug. 19.
Automobile door lock. P. F. Augenbraun. 1,505,524; Aug. 19.
Automobile jack. J. H. Kershner. 1,505,203; Aug. 19.
Automobile ornament. E. M. Scanlan. 1,505,290; Aug. 19.
Automobile seat. T. Freelander. 1,505,550; Aug. 19.
Automobile signal. E. Bern. 1,505,128; Aug. 19.
Automobile signal. R. Lyons. 1,505,793; Aug. 19.
Automobile signal. H. M. Moffett. 1,505,160; Aug. 19.
Automobile signal. H. Podolsky. 1,505,601; Aug. 19.
Automobile wheels, Windlass attachment for. J. F. Taylor. 1,505,230; Aug. 19.
Automobiles, Liquid brake for. N. G. Hovild. 1,505,643; Aug. 19.
Axe, Folding. J. R. Palm. 1,505,485; Aug. 19.
Bag. R. Brownson. 1,505,765; Aug. 19.
Baller bottom. R. R. Candee. 1,505,624; Aug. 19.
Banana rack. E. W. Burke. 1,505,539; Aug. 19.
Barrel. Core. D. D. Hilli. 1,505,346; Aug. 19.
Bathing pool. E. C. L. Wagner. 1,505,756; Aug. 19.
Bathing suit. J. M. Combs. 1,505,766; Aug. 19.
Battery: *See*—
Electric battery. Primary battery.
Battery case, Storage-. P. E. Norris. 1,505,796; Aug. 19.
Battery jar, Storage-. J. L. Rupp. 1,505,166; Aug. 19.
Bearing. P. H. Callaghan. 1,505,311; Aug. 1.
Bearing, Antifriction. H. C. Knowles. 1,505,352; Aug. 19.
Bearing, Roller. O. R. Wikander. 1,505,454; Aug. 19.
Bed, Couch. J. M. Anderson. 1,505,616; Aug. 19.
Bedstead frame. C. A. Stuart. Des. 65,452; Aug. 19.
Beds, Invalid appliance for. A. Schweizer. 1,505,437; Aug. 19.
Bell. A. R. Mackenzie and F. W. Watson. 1,505,155; Aug. 19.
Belt clasp. C. G. Armstrong. 1,505,125; Aug. 19.
Belt tightener. A. F. Muth. 1,505,280; Aug. 19.
Beverage dispenser. W. A. Schatz. 1,505,435; Aug. 19.
Bicycle. B. G. McNeil. 1,505,271; Aug. 19.
Billiard cue, Sectional. C. E. Seeman and L. V. Barnch. 1,505,609; Aug. 19.
Boat, Motor. H. M. Warnock. 1,505,113; Aug. 19.
Bobesche. H. T. Howell. Des. 65,438; Aug. 19.
Boilers, Apparatus for removing scale from. D. L. Breed. 1,505,084; Aug. 19.
Bolt: *See*—
Panic bolt.
Bookstack. A. S. MacDonald. Des. 65,444; Aug. 19.
Bottle closure. J. F. Slapka. 1,505,733; Aug. 19.
Bottle closure, Shaker-. J. L. Dunnock. 1,505,705; Aug. 19.
Bottle cooler and vending apparatus. W. M. Smith. 1,505,441; Aug. 19.
Box: *See*—
Collapsible box. Journal box.
Display box. Screen box.
Driver box.
Box. H. C. Witt. 1,505,458; Aug. 19.
Box-folding machine. V. M. Wade and C. E. Zuspan. 1,505,178; Aug. 19.
Bracket: *See*—
Automobile bumper bracket. Shade and curtain bracket.
Lamp bracket.
Brake: *See*—
Hand brake.
Brake. W. S. Harley. 1,505,335; Aug. 19.
Brakeband. C. and G. H. Barker. 1,505,847; Aug. 19.
Brake construction. J. A. Myrick. 1,505,216; Aug. 19.
Brake-rod jaw. S. Hansson. 1,505,640; Aug. 19.
Braking control, Electrical. R. H. McLain. 1,505,653; Aug. 19.
Braking means. C. W. Heltman. 1,505,888; Aug. 19.
Branch or Y pipe structure. C. W. Larner. 1,505,208; Aug. 19.
Bread, Manufacture of leavened. L. H. Bailey. 1,505,236; Aug. 19.
Brick-cleaning machine. A. Coté. 1,505,867; Aug. 19.
Buckle, Belt. D. M. Wirth. 1,505,516; Aug. 19.
Bumper. C. Girl. 1,505,556; Aug. 19.
Bumper. G. Hainlen. 1,505,885; Aug. 19.
Bumper. J. D. Hale. 1,505,140; Aug. 19.
Bumper. L. F. Stafford. 1,505,169; Aug. 19.
Bumper clamp, Vehicle. A. M. Godwin. Des. 65,436; Aug. 19.
Bumper, Double. E. A. Banschbach. 1,505,365; Aug. 19.
Bunkers and the like, Closing and discharging device for large receptacles, such as. F. Züblin. 1,505,840; Aug. 19.
Burglar alarm. A. P. Abbott. 1,505,760; Aug. 19.
Burglar alarm. J. Manuel. 1,505,721; Aug. 19.
Burglar and other alarm, Phonetic. M. Field. 1,505,326; Aug. 19.
Burglar-guard system. W. J. Cowan. 1,505,587; Aug. 19.
Burner: *See*—
Oil burner. Wick burner.
Burner. R. A. Walker. 1,505,513; Aug. 19.
Burner construction. T. J. Migchelbrink. 1,505,575; Aug. 19.
Burs from gears, Machine for removing. L. Petersen. 1,505,420; Aug. 19.
Butter, Apparatus for determining the moisture content of. T. L. Valerius. 1,505,755; Aug. 19.
Button. C. Siehl. 1,505,501; Aug. 19.
Cabinet. S. Rosenthall. 1,505,805; Aug. 19.
Cabinet, Knife. P. V. Larsen. 1,505,355; Aug. 19.
Cage trap. J. M. Kussmaul. 1,505,353; Aug. 19.
Calcium arsenate free from water-soluble arsenic, Production of. J. G. Lamb. 1,505,648; Aug. 19.
Calculating machines, Counting mechanism of. J. M. M. Barr. 1,505,366; Aug. 19.
Can and handle therefor, Dispensing. S. Brown. 1,505,369; Aug. 19.
Can-capping machine. S. B. Field. 1,505,631; Aug. 19.
Can conveyer, Flexible. L. W. Waters. 1,505,820; Aug. 19.
Can opener. R. L. Wells. 1,505,833; Aug. 19.
Candle making. H. J. Grupe. 1,505,092; Aug. 19.
Candle holder. J. De Nicola and J. Valenti. 1,505,589; Aug. 19.
Candlestick. H. A. McGill. Des. 65,446; Aug. 19.
Candlestick. F. Roettges. Des. 65,451; Aug. 19.
Candlestick. G. E. Villaret. Des. 65,456; Aug. 19.
Cap. D. Zucker. 1,505,183; Aug. 19.
Cap attachment, Removable-. G. W. Ittner. 1,505,200; Aug. 19.
Cap, Dust. H. P. Kraft. 1,505,098; Aug. 19.
Cap, Hair-pressing. C. S. Sanders. 1,505,289; Aug. 19.

Car couplers, Uncoupling device for. G. G. Gilpin. 1,505,355; Aug. 19.
Car-door-locking device. F. Jager. 1,505,266; Aug. 19.
Car, Freight. J. T. McNally. 1,505,720; Aug. 19.
Cars and the like, Windscreen wiper for motor. L. R. Jones. 1,505,468; Aug. 19.
Cars, Driving gear for motor. K. Maybach. 1,505,159; Aug. 19.
Cars, Metal end structure for railway. G. G. Gilpin. 1,505,554; Aug. 19.
Cars, Side bearing for railway. J. F. O'Connor. 1,505,417; Aug. 19.
Cars, Supporting and driving bands for motor. A. Kégresse. Re15,894; Aug. 19.
Carbon, Activating. J. C. Woodruff and T. L. Wheeler. 1,505,517; Aug. 19.
Carbon, Manufacturing active. K. Rohde. 1,505,496; Aug. 19.
Carbonator. T. J. Kiernan. 1,505,204; Aug. 19.
Carboy. C. Lefkowitz. 1,505,789; Aug. 19.
Carboy bonnet. C. Lefkowitz. 1,505,790; Aug. 19.
Carburetor. F. Baverey. 1,505,763; Aug. 19.
Carburetor. F. F. Flint. 1,505,921; Aug. 19.
Carburetor. C. F. Johnson. 1,505,565–6; Aug. 19.
Card table, Counting. P. C. Christensen. 1,505,317; Aug. 19.
Carriage track. E. C. Wiebe. 1,505,116; Aug. 19.
Carrier: *See*—
Cash carrier. Package carrier.
Carton-blank surface, Means for softening a. E. G. Staude. 1,505,227; Aug. 19.
Case: *See*—
Ash case. Fly-book case.
Battery case. Toilet case.
Cigarette case. Vanity case.
Display case.
Case. F. C. Goldquist. 1,505,884; Aug. 19.
Cash carrier. H. P. Canton. 1,505,542; Aug. 19.
Casting and its manufacture. E. Mayer. 1,505,401; Aug. 19.
Casting machine. J. Newman. 1,505,412; Aug. 19.
Cement furnace. A. G. Croll. 1,505,918; Aug. 19.
Cement into pipe joints, Device for inserting. L. A. Weston. 1,505,613; Aug. 19.
Cement mixer. A. O. Hewitt. 1,505,263; Aug. 19.
Center gauge. F. T. Burns. 1,505,541; Aug. 19.
Centering machine, Last-block-. S. E. Boynton. 1,505,129; Aug. 19.
Chain assembling and riveting machine. G. Barkstrom. 1,505,691; Aug. 19.
Chair: *See*—
Dressing chair. High chair.
Chairs, Headrest for barber or like. G. C. Larala. 1,505,474; Aug. 19.
Chalker, Line. J. A. Peterson. 1,505,286; Aug. 19.
Charge-forming device. R. H. Kluss and R. C. Floch. 1,505,471; Aug. 19.
Chimneys, Air-draft attachment for. W. B. McCarty. 1,505,794; Aug. 19.
Chute, Spiral. E. R. Johnson. 1,505,392; Aug. 19.
Cigar lighter, Electric. V. E. Extrom. 1,505,248; Aug. 19.
Cigar or cigarette holder. R. J. Marak. 1,505,655; Aug. 19.
Cigarette case. L. Tamis. 1,505,748; Aug. 19.
Cigarettes, Device for making and carrying. J. Atkinson. 1,505,126; Aug. 19.
Circuit-control system. A. C. Finney. 1,505,633; Aug. 19.
Clamp: *See*—
Bumper clamp. Rail clamp.
Electrical grounding clamp. Spring clamp.
Hose clamp. Spring-suspension column clamp.
Plate clamp.
Clasp: *See*—
Belt clasp. Lingerie clasp.
Clasp. T. E. Gilmore. 1,505,533; Aug. 19.
Clinching device. J. Brenzinger. 1,505,535; Aug. 19.
Clip: *See*—
Tubing clip. Shoulder-strap clip.
Clock, chronograph, and the like. A. Steuart. 1,505,610; Aug. 19.
Closet: *See*—
Water closet.
Closure. J. M. Hothersall. 1,505,265; Aug. 19.
Clothes-wringer safety device. L. S. Gunderman. 1,505,334; Aug. 19.
Clothesline support. C. A. Gee. 1,505,137; Aug. 19.
Clothesline tightener. F. B. Williams. 1,505,455; Aug. 19.
Clutch. C. Chisholm. 1,505,312; Aug. 19.
Clutch and transmission gearing casings, Mold for casting. A. A. Bull. 1,505,538; Aug. 19.
Clutch dismembering and assembling tool. H. Westendorf. 1,505,834; Aug. 19.
Coal and other material, Apparatus for handling. J. M. London. 1,505,476; Aug. 19.
Coatings, Applying protective. J. von Vass. 1,505,112; Aug. 19.
Cock, Gas-. G. H. Harris. 1,505,922; Aug. 19.
Coil-winding machine. E. S. Hoyt. 1,505,347; Aug. 19.
Coin-controlled lock. F. McDaniel. 1,505,361; Aug. 19.
Coin-freed delivery apparatus. H. Brooker. 1,505,536; Aug. 19.
Coin register. J. Renholts. 1,505,426; Aug. 19.
Collapsible box. B. P. O'Hare. 1,505,284; Aug. 19.
Column, Mullion. B. T. Mesker. 1,505,402; Aug. 19.
Combination lock. E. P. Rambaud. 1,505,164; Aug. 19.
Composition of matter. B. P. Thomas and R. E. Rutledge. 1,505,820; Aug. 19.
Compressing apparatus, Portable. F. D. Holdsworth. 1,505,892; Aug. 19.
Compressor unloader. S. B. Redfield. 1,505,604; Aug. 19.
Computing machine. R. H. Strother. 1,505,747; Aug. 19.
Concentrator. A. H. Stebbins. 1,505,740–2; Aug. 19.
Concrete floor construction. E. E. Seelye. 1,505,500; Aug. 19.
Concrete pavement construction. E. K. Triol. 1,505,174; Aug. 19.
Concrete pipe, Reenforced-. E. L. Peterson. 1,505,801; Aug. 19.
Condensers, Process and apparatus for the manufacture of electrical. G. W. Pickard. 1,505,600; Aug. 19.
Confectionery, Frozen. F. W. Epperson. 1,505,592; Aug. 19.
Containers, Making. W. H. Rose. 1,505,804; Aug. 19.
Conveyer. E. J. McClaugherty. 1,505,907; Aug. 19.
Conveyer. F. L. Simon. 1,505,732; Aug. 19.
Conveyers, Feed attachment for. E. L. Buck and E. G. Nadeau. 1,505,928; Aug. 19.
Cooker. A. Reynolds. 1,505,670; Aug. 19.
Cooking utensil. C. Stirn. 1,505,675; Aug. 19.
Core coating. D. H. Meloche. 1,505,214; Aug. 19.
Coupling: *See*—
Hose coupling.
Coupling or universal joint, Cushion shaft. M. R. Karge. 1,505,596; Aug. 19.
Cover-lifting device. S. Kuno. 1,505,472; Aug. 19.
Crane, Retimbering. J. Del Cozzo. 1,505,868; Aug. 19.
Crane sling. C. Oliver and J. C. Cook. 1,505,663; Aug. 19.
Crank pivots, Device for equalizing. W. Schweizer. 1,505,167; Aug. 19.
Crate. J. A. Leunartson. 1,505,717; Aug. 19.
Crate and holder, Animal. C. Bedell. 1,505,186; Aug. 19.
Crate, Milk. C. A. Woolsey. 1,505,682; Aug. 19.
Crutch. O. H. Arndt. 1,505,081; Aug. 19.
Cultivator attachment. A. E. Earley. 1,505,875; Aug. 19.
Cultivator, Spring-toothed. P. A. Mayhall. 1,505,274; Aug. 19.
Cup: *See*—
Putting cup.
Cup. P. Delich. 1,505,132; Aug. 19.
Curling-iron heater, Electrical. A. H. Opperman. 1,505,726; Aug. 19.
Current motor, Alternating-. S. R. Bergman and A. F. Welch. 1,505,619; Aug. 19.
Current relays, Operating alternating. J. Mills. 1,505,275; Aug. 19.
Curtain rod. W. Schaefer. 1,505,434; Aug. 19.
Curtain support. C. J. Alden. 1,505,364; Aug. 19.
Cutter: *See*—
Pipe cutter.
Cutting machine. N. E. Raber. 1,505,425; Aug. 19.
Cylinder-boring machine. R. C. Farthing. 1,505,772; Aug. 19.
Decalcomania sheet. A. O. C. Ahrendts. Des. 65,428; Aug. 19.
Decantation, Apparatus for and method of. L. Wilputte. 1,505,759; Aug. 19.
Decoy strap. C. N. Prouty and W. B. Darton. 1,505,423; Aug. 19.
Demountable wheel. W. M. Booth. 1,505,243; Aug. 19.
Dental device. L. O. Ludlum. 1,505,792; Aug. 19.
Dental instrument. F. A. Ainsworth. 1,505,684; Aug. 19.
Dental mandrel. I. A. Burnett. 1,505,309; Aug. 19.
Desk attachment. N. O. Pylick. 1,505,803; Aug. 19.
Dextrine, Manufacture of. R. G. Brindle. 1,505,696; Aug. 19.
Diamond holder. E. Desmon. 1,505,322; Aug. 19.
Die and making the same, Cutting. W. H. J. Fitzgerald. 1,505,774; Aug. 19.
Differential. C. Andrade, jr. 1,505,124; Aug. 19.
Differentials, Control member for. C. Andrade, jr. 1,505,687; Aug. 19.
Digger: *See*—
Trench digger.
Dirigible lights, Connection for. J. B. Nicholson. 1,505,795; Aug. 19.
Disk wheel. D. D. Bohannon. 1,505,368; Aug. 19.
Dispensing apparatus. S. Stewart. 1,505,503; Aug. 19.
Dispensing device. S. Schreiber. 1,505,930; Aug. 19.
Display and vending apparatus. E. Brunhoff. 1,505,858; Aug. 19.
Display box. E. E. Darragh. 1,505,545; Aug. 19.
Display case, Collar-. J. J. Fink and O. Zschunke. 1,505,773; Aug. 19.
Display device. B. Levy. 1,505,649; Aug. 19.
Distilling apparatus. J. P. Foster. 1,505,634; Aug. 19.
Doorcheck. E. G. Simpson. 1,505,223; Aug. 19.
Door fastener. R. A. Stone and R. H. Basham. 1,505,229; Aug. 19.
Door lock. I. D. Brill. 1,505,857; Aug. 19.
Door lock. M. Costa. 1,505,865; Aug. 19.
Door releasing and locking mechanism. F. E. Miller. 1,505,659; Aug. 19.

Door-securing means. A. Zukor. 1,505,184; Aug. 19.
Doors, Bracket for. H. A. Chevola and C. B. Mossl. 1,505,483; Aug. 19.
Dough dropper. H. Podolsky. 1,505,602; Aug. 19.
Doughnut molder or former. C. E. Peavey. 1,505,800; Aug. 19.
Drawing parallel lines, Device for. G. d'Eramo. 1,505,873; Aug. 19.
Drawings, Means for facilitating the copying of. L. Saari and W. Jackson. 1,505,499; Aug. 19.
Dressing chair. H. W. Warnecke. 1,505,829; Aug. 19.
Drill: *See*—
Well drill.
Drill support, Rock-. H. J. Corley. 1,505,586; Apg. 19.
Drip-water indicator and cu -off device. J. V. De Wald. 1,505,704; Aug. 19.
Driver box. F. L. Holt. 1,505,197; Aug. 19.
Driving light, Safety. C. R. Yates. 1,505,615; Aug. 19.
Dropper: *See*—
Dough dropper.
Drying machine. P. Breuer. 1,505,855; Aug. 19.
Dye derived from acylacetyl compounds of diamins and making same, Azo. A. L. Laska and A. Yitschér. 1,505,569; Aug. 19.
Dyeing apparatus. L. P. Hart. 1,505,781; Aug. 19.
Dyes insoluble in water and making same, Azo. A. L. Laska and A. Zitscher. 1,505,568; Aug. 19.
Dyestuff, Va . P. Nawiasky. 1,505,912; Aug. 19.
Electric battery. A. K. Huntley. 1,505,644; Aug. 19.
Electric control system. C. F. Burgeson. 1,505,583; Aug. 19.
Electric distribution, System of. E. D. Treanor. 1,505,822; Aug. 19.
Electric-fix ure hanger. P. W. Sprecher. 1,505,108; Aug. 18.
Electric metering device. G. C. Brown. 1,505,581; Aug. 19.
Electric switch. C. A. Bates. 1,505,849; Aug. 19.
Electric switch, Pull-chain. H. J. Morey. 1,505,403; Aug. 19.
Electrical apparatus, Mounting for casings of. P. Dunning. 1,505,629; Aug. 19.
Electrical devices, Apparatus for creating hot-wire elements for. A. Machu. 1,505,478; Aug. 19.
Electrical governing apparatus. F. K. Brainard. 1,505,853; Aug. 19.
Electrical grounding clamp. W. R. Cox. 1,505,314; Aug. 19.
Electroplating apparatus. F. G. Purinton. 1,505,424; Aug. 19.
Electrotypes, Process and backing for use in lead molding for. H. M. Blaetz. 1,505,082; Aug. 19.
Eleva or control. J. F. Clancy and A. A. Gazda. 1,505,699; Aug. 19.
Elevators, Safety catch for. A. Deerwester. 1,505,872; Aug. 19.
Elevators, Safety device for high-speed. M. A. Baker, H. U. Durant, and S. U. King. 1,505,304; Aug. 19.
Embossing device. J. D. Lyon. 1,505,397; Aug. 19.
Engine: *See*—
Internal-combustion en- Rotary engine.
gine. Wind engine.
Engine, pump, and the like, Rotary. H. Heinrich. 1,505,094; Aug. 19.
Engines, Auxiliary air-supply device for internal-combustion. C. A. Rivers and F. B. Stuart. 1,505,288; Aug. 19.
Engines, Charge-forming device for internal-combustion. B. L. Campbell. 1,505,697; Aug. 19.
Engines, Silencer for internal-combustion. W. Hunter and M. Gill. 1,505,893; Aug. 19.
Engines, Starter for internal-combustion. B. M. Leece. 1,505,153; Aug. 19.
Engraving machine, Multiple. F. B. Glover. 1,505,557; Aug. 19.
Exerciser. J. Klubnick. 1,505,473; Aug. 19.
Expansion joint. H. Allport. 1,505,121; Aug. 19.
Explosive motor. H. Briggs. 1,505,856; Aug. 19.
Extension hot-food table. C. Stirn. 1,505,299; Aug. 19.
Extractor: *See*—
Sand extractor.
Eyeglass case and making the same. R. M. Dugdale. 1,505,769; Aug. 19.
Fabric: *See*—
Rubberizing fabric.
Fabric test piece and testing woven fabric, Woven-. H. D. Ayres. 1,505,127; Aug. 19.
Fabrics, Producing artificial. N. L. Duryea. 1,505,546; Aug. 19.
Fan. E. Kaplan. 1,505,712; Aug. 19.
Fastener-attaching machine. A. Latham. 1,505 152; Aug. 19.
Fastenings, Machines for inserting. J. Gouldbourn. 1,505,138; Aug. 19.
Fats, Manufacturing nutritious. A. Grün. 1,505,560; Aug. 19.
Feed member, Rotary. H. Mueller. 1,505,723; Aug. 19.
Feed regulator. H. J. Burns and G. E. Tollenaar. 1,505,188; Aug. 19.
Filler composition. A. F. French. 1,505,251; Aug. 19.
Film-reel device. C. F. Herm. 1,505,389; Aug. 19.
Filter. B. Kirby. 1,505,898; Aug. 19.
Finger ring. F. H. Wittstein. Des. 65,458; Aug. 19
Fire extinguisher. L. H. Stephenson. 1,505,297; Aug. 19.
Fireplace. W. Mork. 1,505,407; Aug. 19.
Fireplace for domestic heating. L. G. de Bellescize. 1,505 627; Aug. 19.
Floor mat. E. A. Grabowski. 1,505,558; Aug. 19.
Floor, Monolithic. F. Henry. 1,505,642; Aug. 19.
Fluid-control device, Automatic. C. H. Eastman. 1,505,381; Aug. 19.
Fluid-dispensing container. T. J. Stephens. 1,505,442; Aug. 19.
Fluid meter. C. J. Bassler. 1,505,306; Aug. 19.
Fluids, Apparatus for controlling the flow or pressure of. O. F. Walker. 1,505,450; Aug. 19.
Fly-book case. G. von Pressentin. 1,505,177; Aug. 19.
Flying machine. E. W. Dwight. 1,505,091; Aug. 19.
Football. G. L. Pierce. 1,505,802; Aug. 19.
Footwear and the like, Fastening for. T. R. Roberts and E. F. Owen. 1,505,430; Aug. 19.
Forging and like operations, apparatus for drop-. A. L. Stevens. 1,505,298; Aug. 19.
Foundation sills, Structural sleeve for. R. Walker. 1,505,680; Aug. 19.
Frame: *See*—
Bedstead frame. Tender frame.
Printing frame.
Frequency-control system. D. K. Martin. 1,505,158; Aug. 19.
Fruit-picking device. O. D. Park. 1,505,487; Aug. 19.
Fuel, Gaseous. J. Harris. 1,505,339–40; Aug. 19.
Fuels, Purifier for liquid. B. Adler. 1,505,523; Aug. 19.
Furnace: *See*—
Electric furnace.
Furnace. J. F. O. Stratton. 1,505,505; Aug. 19.
Furnace recuperator. A. Felton and E. H. Klemroth. 1,505,249; Aug. 19.
Furnaces, Heating and vaporizing auxiliary for. H. H. Southworth. 1,505,224; Aug. 19.
Furniture, Sectional. H. H. Brown. 1,505,308; Aug. 19.
Furring and fastening device. O. T. Crowe. 1,505,189; Aug. 19.
Fuse plug, Multiple. J. E. Horner. 1,505,464; Aug. 19.
Gambrel, Automatic. F. J. Paice. 1,505,665; Aug. 19.
Garbage receptacle, Stand and cover for. W. H. Buckley. 1,505,086; Aug. 19.
Garment-drier rack. R. S. Townley. 1,505,446; Aug. 19.
Garments, Machine for cutting pockets in. M. F. Biersdorf. 1,505,367; Aug. 19.
Gas exhauster and tar extractor, Combined. M. J. Nusim. 1,505,283; Aug. 19.
Gas for blowpipe use. J. Harris. 1,505,338; Aug. 19.
Gas-generating system, Multiple-unit. W. W. Harris. 1,505,706; Aug. 19.
Gasifier. J. S. Schmidt. 1,505,809; Aug. 19.
Gas in a plastic mass, Determining the volume of occluded. W. P. Heath. 1,505,342–3; Aug. 19.
Gas under pressure from liquefied gases, Device for developing. P. Heylandt. 1,505,095; Aug. 19.
Gate. H. O. Rockrohr. 1,505,923; Aug. 19.
Gauge: *See*—
Center gauge. Lumber gauge.
Liquid-depth gauge. Recording gauge.
Gear, Draft. H. Barnard. 1,505,239; Aug. 19.
Gearing, Differential. N. P. Levin. 1,505,570; Aug. 19.
Generator: *See*—
Acetylene generator.
Generators and the like, Flexible friction drive for. K. R. Manville. 1,505,480; Aug. 19.
Girths, Machine for making reenforcing. A. S. Kux and A. G. G. Guenther. 1,505,207; Aug. 19.
Glass articles, Machine for forming. H. M. Brookfield. 1,505,537; Aug. 19.
Glass, Drawing sheet. H. S. Campbell. 1,505,584; Aug. 19.
Glasses, Driving. J. E. Geiger. 1,505,882; Aug. 19.
Golf club. W. L. Smith. 1,505,296; Aug. 19.
Grade-crossing signal, Automatic. O. L. Vincent. 1,505,449; Aug. 19.
Grain elevators, Indicating system for. G. Strohmaier. 1,505,676; Aug. 19.
Greasing implement. J. Bren. Des. 65,429; Aug. 19.
Griddle, Electric. M. L. Warner. 1,505,681; Aug. 19.
Grinder, Surface. D. J. Nevill. 1,505,282; Aug. 19.
Grinding. S. Steinmetz. 1,505,170; Aug. 19.
Grinding mill, Roller. L. F. Little and M. J. Mayhew. 1,505,154; Aug. 19.
Groundworking implements, Power lift for. H. W. Thayer. 1,505,679; Aug. 19.
Guard for presses, stamps, and like machines. H. D. Jackson. 1,505,467; Aug. 19.
Guide mechanism. S. Elder. 1,505,776; Aug. 19.
Gum, candy, and confections, Wrapper for chewing. L. Hurwitz. Des. 65,439; Aug. 19.
Gun-sighting mechanism. R. S. Blair. 1,505,083; Aug. 19.
Gunstock. L. Holub. 1,505,146; Aug. 19.
Hair clipper. F. L. Gray. 1,505,333; Aug. 19.
Hair waver. S. A. Loggins. 1,505,358; Aug. 19.
Hammer and joint breaker, Bit. M. Brandeberry 1,505,916; Aug. 19.
Hampers and the like, Forming rectangular. J. G. Boyd. 1,505,915; Aug. 19.
Hand bag or similar article. N. Whobrey. Des. 65,457; Aug. 19.
Hand brake. G. A. Johnson and J. F. O'Connor. 1,505,350 Aug. 19.
Handcuff. C. Moersch. 1,505,660; Aug. 19.

Handle: *See*—
Automobile door handle. Tool handle.
Hanger: *See*—
Electric-fixture hanger.
Harrow. J. G. Hansen. 1,505,196; Aug. 19.
Harrow, Disk. J. M. Crosby. 1,505,588; Aug. 19.
Haystacker. C. J. Van Oort. 1,505,826; Aug. 19.
Headlight for automobiles, Dirigible. J. Trochta. 1,505,823; Aug. 19.
Heat absorbing and radiating apparatus. N. J. Zuzulin. 1,505,120; Aug. 19.
Heat deflector. J. B. Morrow. 1,505,482; Aug. 19.
Heat exchange apparatus. W. H. Ripley. 1,505,429; Aug. 19.
Heat-exchange device. R. A. Mikalsen. 1,505,376; Aug. 19.
Heater: *See*—
Curling-iron heater. Tire heater.
Heater. J. P. Conroy and A. L. Zwisler. Des. 65,432; Aug. 19.
Heater. R. C. Walberg. 1,505,828; Aug. 19.
Heater conduit. R. H. Whiteley. 1,505,179; Aug. 19.
Heaters, Oil burner for. P. Toti. 1,505,753; Aug. 19.
Heating attachment, Multiple. L. C. Eustice. 1,505,879; Aug. 19.
Heating utensil. A. W. Darley. 1,505,703; Aug. 19.
Heels, Method of and machine for making. A. Geiger. 1,505,191; Aug. 19.
Hemming device. E. Sullivan. 1,505,677; Aug. 19.
High chair. S. T. Workman, jr. 1,505,518; Aug. 19.
Hinge. J. Gervais, jr. 1,505,192; Aug. 19.
Hinge, Folding. A. L. Fryer. 1,505,393; Aug. 19.
Hinge-forming apparatus for metal articles. M. E. Widell. 1,505,180; Aug. 19.
Hoe, Weeding. F. Tiemann. 1,505,173; Aug. 19.
Hoist-cable guide. C. F. Gernert. 1,505,253; Aug. 19.
Hollow articles from plastic material, Method of and apparatus for forming. F. Byford. 1,505,860; Aug. 19.
Hook. W. D. Archer. 1,505,235; Aug. 19.
Hose clamp. E. H. Gold. 1,505,255; Aug. 19.
Hose clamp. K. F. W. Kempf. 1,505,895; Aug. 19.
Hose clamp. F. A. Richards, F. C. Bochatey, and J. T. Jones. 1,505,428; Aug. 19.
Hose coupling. J. A. Merz. 1,505,722; Aug. 19.
Hose rack. H. Gibbs. 1,505,330; Aug. 19.
House number, Illuminated. C. E. Dearth. 1,505,425; Aug. 19.
Hydrocarbon oils, Treating. H. H. Culmer. 1,505,870; Aug. 19.
Hydrocarbons, Apparatus for condensing and fractionating. E. Owen. 1,505,798; Aug. 19.
Hydrogen ion determination, Permanent colorimetric standard for. M. S. Badollet, J. Hamilton, and C. F. Walton, jr. 1,505,185; Aug. 19.
Ice packer. C. H. Greenawalt. 1,505,639; Aug. 19.
Ice scraper. W. S. Van Sant. 1,505,448; Aug. 19.
Ignition device. J. H. Barnard. 1,505,762; Aug. 19.
Ignition wires, Flexible terminal for. R. W. Bensett. 1,505,531; Aug. 19.
Illuminator, Changeable. W. Wilson and C. T. Michalic. 1,505,457; Aug. 19.
Impact tool. E. W. Roberts. 1,505,493; Aug. 19.
Indicator: *See*—
Street indicator.
Insect and dust protection. E. G. Witteborg. 1,505,914; Aug. 19.
Insect destroyer. J. G. Haley. 1,505,886; Aug. 19.
Insect trap. F. Loeschen. 1,505,651; Aug. 19.
Insulating pipes. D. H. Meloche. 1,505,215; Aug. 19.
Insulator and transformer, Combined. R. E. Frickey. 1,505,252; Aug. 19.
Insulator and support therefor. H. O. Rockwell. 1,505,730; Aug. 19.
Internal-combustion engine. K. J. E. Hesselman. 1,505,145; Aug. 19.
Internal-combustion engine. E. N. Lightfoot. 1,505,190; Aug. 19.
Internal-combustion engine. J. Lorbach. 1,505,211; Aug. 19.
Internal-combustion engine. A. W. Wall. 1,505,451; Aug. 19.
Iron: *See*—
Puff iron.
Jack: *See*—
Automobile jack. Sliding form jack.
Lifting jack. Vehicle jack.
Jack frame or spooling machine. G. Horn. 1,505,563; Aug. 19.
Jar: *See*—
Battery jar.
Jars and similar containers, Closure for. W. F. Hammond. 1,505,194; Aug. 19.
Jewel settings, Producing. J. Kreisler. 1,505,395; Aug. 19.
Joint: *See*—
Expansion joint.
Journal box. J. L. Mohun. 1,505,405; Aug. 19.
Key lock, Adjustable tumbler. J. Luoma. 1,505,571; Aug. 19.
Key mechanism, Octave-. A. Loomis. 1,505,359; Aug. 19.
Kiln and operating same, Tunnel. P. d'H. Dressler. 1,505,767–8; Aug. 19.
Knife, Skinning. W. Sukalle. 1,505,507; Aug. 19.
Knife, Veneer. W. E. Swanson. 1,505,444; Aug. 19.
Knitting machines, Striping mechanism for circular-. E. Jackson. 1,505,466; Aug. 19.
Lace. S. H. Page. Des. 65,447–9; Aug. 19.
Lamp, Automobile. C. E. Allen. 1,505,577; Aug. 19.
Lamp bracket. N. A. Levitan and J. J. Braz. Des. 65,442; Aug. 19.
Lamp holder. G. B. Thomas. 1,505,821; Aug. 19.
Lamp, Miner's carbide. A. Atkins. 1,505,617; Aug. 19.
Lamp mounting, Vehicle. O. P. Bigelow. 1,505,532; Aug. 19.
Lamp, Portable. F. H. Bussmann. Des. 65,431; Aug. 19.
Lamp, Reading. N. Macbeth. 1,505,654; Aug. 19.
Lamp support, Adjustable electric-. D. J. McCarthy. 1,505,719; Aug. 19.
Lamps, Shutter for automobile. L. Leclerc. 1,505,905; Aug. 19.
Last. S. E. Boynton. 1,505,130; Aug. 19.
Latch construction. L. A. Dexter. 1,505,380; Aug. 19.
Lath, Plaster. J. F. Makowski. 1,505,399; Aug. 19.
Lathe, Automatic turret. T. E. Buschmann. 1,505,131; Aug. 19.
Laundry timer. G. W. Settle and O. Risley. 1,505,811; Aug. 19.
Lavatories, Leveling base for. P. Mueller and A. C. Schnermann. 1,505,279; Aug. 19.
Lawn trimmer. C. Allen. 1,505,685; Aug. 19.
Lead upon iron, Electrodepositing. B. S. Summers. 1,505,109; Aug. 19.
Lens blank, Bifocal-. G. A. Clement. Re15,897; Aug. 19.
Level, Pendulum. R. C. Baird. 1,505,618; Aug. 19.
License-plate holder. R. M. Seely. 1,505,608; Aug. 19.
Lifter: *See*—
Pan lifter.
Lifting and transporting articles having any kind of surface, Suction device for. G. H. L. Debaecker. 1,505,626; Aug. 19.
Lifting apparatus. O. H. Schuh. 1,505,810; Aug. 19.
Lifting device. W. E. Hexamer. 1,505,890; Aug. 19.
Lifting device. H. A. Stone. 1,505,443; Aug. 19.
Lifting jack. R. F. Wood and W. H. McCarthy. 1,505,118; Aug. 19.
Light: *See*—
Driving light.
Lighting fixture. J. W. Gosling. Des. 65,437; Aug. 19.
Lighting fixture. A. Hansen. 1,505,778; Aug. 19.
Lighting plant, Portable. A. L. Curtis. 1,505,702; Aug. 19.
Lighting unit. F. L. Grant. 1,505,559; Aug. 19.
Ligneous materials for their transformation in cellulose, Device for the continuous treatment of. A. Olier. 1,505,934; Aug. 19.
Lingerie clasp. G. A. and A. F. Guyot. 1,505,461; Aug. 19.
Liquid container and dispenser. L. C. Morse. 1,505,599; Aug. 19.
Liquid-depth gauge. C. F. Siders. 1,505,931; Aug. 19.
Liquid dispenser. H. W. Urick. 1,505,511; Aug. 18.
Liquid-dispensing device. H. A. Allwardt. 1,505,122; Aug. 19.
Liquid-supply-control apparatus. J. A. Serrell. 1,505,293; Aug. 19.
Liquid-supply-controlling apparatus. J. A. Serrell. 1,505,292; Aug. 19.
Liquids, Electrochemical process of treating. F. N. Moerk. 1,505,104; Aug. 19.
Liquids of different specific gravity, Method of and means for separating. H. M. Alexander. 1,505,841; Aug. 19.
Liquids of different specific gravities, and indicating means therefor, Apparatus for separating. C. S. Lenz and G. E. Jupp. 1,505,791; Aug. 19.
Loading machine. T. S. Miller. 1,505,103; Aug. 19.
Lobella, Obtaining the active principle of. H. Wieland. 1,505,181; Aug. 19.
Lock: *See*—
Automobile door lock. Mold lock.
Coin-controlled lock. Radial lock.
Combination lock. Umbrella lock.
Door lock.
Lock structure. J. B. Freysinger. 1,505,637; Aug. 19.
Locker, Combination. L. Schaefer, jr. 1,505,291; Aug. 19.
Locking attachment. W. O. Berry. 1,505,241; Aug. 19.
Locking device. C. L. Turner. 1,505,825; Aug. 19.
Locking device, Removable crown-brass. L. V. Mallory and R. F. Best. 1,505,213; Aug. 19.
Locomotive, Geared. H. L. Turney. 1,505,509; Aug. 19.
Logging mechanism. O. B. Bjorge. 1,505,242; Aug. 19.
Lubricating device. G. H. Glade, jr. 1,505,776; Aug. 19.
Lubricating rotary members, Means for. H. and J. P. Garner and S. Smith. 1,505,552; Aug. 19.
Lubricator: *See*—
Spring lubricator.
Lubricator. J. Erickson. 1,505,136; Aug. 19.
Lumber gauge. C. Hillmerson. 1,505,264; Aug. 19.
Magnesium compounds from brines, Recovery of. E. K. Judd. 1,505,202; Aug. 19.
Mail-box support. H. Skreberg. 1,505,439; Aug. 19.
Mail boxes, Signaling device for. J. L. Morris. 1,505,277; Aug. 19.
Mat: *See*—
Floor mat.
Match holder and cigarette container, Combined. W. R. Derry. 1,505,133; Aug. 19.

Measuring device, Sheet-material-. E. E. Morse. 1,505,408; Aug. 19.
Measuring instrument, Electrical. F. W. Roller. 1,505,497; Aug. 19.
Measuring instrument, Pupillary-. W. R. Uhlemann. 1,505,447; Aug. 19.
Metal-expanding machines, Die for. J. A. Halls. 1,505,388; Aug. 19.
Metals, Burner for the autogenous cutting of. H. W. C. Schröder. 1,505,106; Aug. 19.
Metals, Extracting. R. Rodrian. 1,505,494; Aug. 19.
Meter: *See*—
Fluid meter. Water meter.
Microscope substage. H. N. Ott. 1,505,418; Aug. 19.
Mill: *See*—
Grinding mill. Roller mill.
Mine tie, Metal. J. J. Ross. 1,505,806–8; Aug. 19.
Mixer: *See*—
Cement mixer.
Mold cleaning, heating, and lamp blacking device. A. Anderson. 1,505,123; Aug. 19.
Mold coating. S. M. Udale. 1,505,176; Aug. 19.
Mold-cutting mechanism. A. L. Breitenstein. 1,505,579; Aug. 19.
Mold lock. G. R. Kelm. 1,505,470; Aug. 19.
Molding. W. H. Nichols. 1,505,724; Aug. 19.
Molding machine. E. D. Ekstedt. 1,505,246; Aug. 19.
Mop. J. M. and J. C. Kaiser and H. L. Gray. 1,505,786; Aug. 19.
Mop holder and wringer. P. Ebeling. 1,505,547; Aug. 19.
Mortising machine. E. Dailig. 1,505,320; Aug. 19.
Motor: *See*—
Current motor. Explosive motor.
Motor control. A. C. Prescott. 1,505,929; Aug. 19.
Motor resetter. M. Victorsohn. 1,505,512; Aug. 19.
Motors, Steam cleaner for. E. E. Boles. 1,505,852; Aug. 19.
Multigraphs, Antifriction bearing for. D. O. Freeman. 1,505,636; Aug. 19.
Music-leaf turner. W. S. Lukawski. 1,505,906; Aug. 19.
Musical wind instrument. L. R. Mann. 1,505,597; Aug. 19.
Necktie fastener. E. F. Johnson. 1,505,351; Aug. 19.
Nozzle for oil engines, Spraying. S. B. Gold. 1,505,331; Aug. 19.
Nut. A. E. Bronson. 1,505,580; Aug. 19.
Oil burner. C. E. Stromquist. 1,505,745–6; Aug. 19.
Oil burner, Vapor-. J. Bartel. 1,505,848; Aug. 19.
Oil burners, Cut-off for. A. G. Slocum. 1,505,813; Aug. 19.
Oil, System for burning. G. T. Smallwood. 1,505,502; Aug. 19.
Oils, Apparatus for treating. H. T. Maitland. 1,505,479; Aug. 19.
Oils, etc., Apparatus for atomizing fuel. O. C. Schroeder. 1,505,607; Aug. 19.
Ores, Apparatus for and process of concentrating. G. B. Eberenz. 1,505,324; Aug. 19.
Ores, Concentrating. G. B. Eberenz. 1,505,323; Aug. 19.
Outlet boxes, Fixture adjuster for. H. R. Thompson. 1,505,301; Aug. 19.
Oven construction, Hotel-. H. C. Maul. 1,505,273; Aug. 19.
Oven, Reel. W. W. Cummings. 1,505,316; Aug. 19.
Ozone apparatus. J. R. Quain. 1,505,603; Aug. 19.
Ozone, Apparatus for the production of. J. R. Quain. 1,505,669; Aug. 19.
Ozone machines, Operation of. J. Todd. 1,505,750; Aug. 19.
Pack. L. F. Nelson. 1,505,661; Aug. 19.
Package carrier, Vehicle. E. E. Wrixton. 1,505,182; Aug. 19.
Packing articles for shipment, Method and means for. E. R. Zabriskie. 1,505,520; Aug. 19.
Packing, Axle. G. W. Rollins. 1,505,481; Aug. 19.
Packing for elastic-fluid turbines and the like, Shaft. J. H. Doran. 1,505,590; Aug. 19.
Packing for elastic-fluid turbines and the like. O. Junggren. 1,505,647; Aug. 19.
Packing for shafts. J. H. Dennedy. 1,505,321; Aug. 19.
Packing, Rod. H. G. Hillman. 1,505,462; Aug. 19.
Padlock. J. Krzesinski. 1,505,904; Aug. 19.
Pan lifter. A. C. Hagen. 1,505,258; Aug. 19.
Pan lifter, Pie-. P. Brix. 1,505,319; Aug. 19.
Panic bolt. H. F. Yoe. Des. 65,459; Aug. 19.
Paper boxes, Handle for. R. J. Gruenberg. 1,505,594; Aug. 19.
Paper-folding machine. R. Hitchcock. 1,505,920; Aug. 19.
Paper package. P. J. Christman, jr. 1,505,087; Aug. 19.
Paper packages, Machine for inserting suspension devices in toilet-. P. D. Parsons. 1,505,419; Aug. 19.
Pattern maker, Multifold-. S. Landa. 1,505,522; Aug. 19.
Pavement. J. Newell. 1,505,411; Aug. 19.
Pavement composition. A. M. Fairlie. 1,505,880; Aug. 19.
Peach cutting and pitting machine. I. Piermattei. 1,505,488; Aug. 19.
Peanuts, Salting. H. D. Sawkins. 1,505,605; Aug. 19.
Pen, Safety fountain. W. Henrisch. 1,505,262; Aug. 19.
Pencil. C. E. Wehn and H. W. Larsson. 1,505,452; Aug. 19.
Percussive tools, Handle for. W. Prellwitz. 1,505,727; Aug. 19.
Phonograph cabinet. C. E. Swanson and F. C. Burton. Des. 65,453; Aug. 19.
Photography, Color. W. V. D. Kelley. 1,505,787; Aug. 19.
Piano, Player grand. M. Nickels. 1,505,161; Aug. 19.
Piano, Record controlled grand. T. F. Cheek. 1,505,374; Aug. 19.
Picture reels, Alarm for moving-. R. E. Wicker. 1,505,837; Aug. 19.
Pipe: *See*—
Concrete pipe. Tobacco pipe.
Smoker's pipe.
Pipe connection. G. Constantinesco. 1,505,543; Aug. 19.
Pipe cutter. D. Kilgour, jr. 1,505,205; Aug. 19.
Pipe-flanging tool. P. Mueller and A. C. Schuermann. 1,505,409; Aug. 19.
Pipe wrench. A. M. McCord. 1,505,652; Aug. 19.
Plastic composition and preparing same. H. Knight. 1,505,206; Aug. 19.
Plastic compositions, Method and apparatus for applying. A. MacKinnon. 1,505,908; Aug. 19.
Plastic material and apparatus therefor, Heating and cooling. A. D. Smith. 1,505,671; Aug. 19.
Plate clamp. R. W. Hatton. 1,505,919; Aug. 19.
Plowpoint. C. R. Prigel. 1,505,668; Aug. 19.
Plumbing fixtures, Outlet connection for. D. H. Wyatt and W. C. Groeniger. 1,505,683; Aug. 19.
Pole, Wrench. L. J. Stoner. 1,505,504; Aug. 19.
Popped-corn grader. C. Cretors. 1,505,315; Aug. 19.
Posting mechanism. C. R. Fargo and P. O. Unger. 1,505,771; Aug. 19.
Potassium and magnesium salts from natural brines and calcareous muds, Recovery of. J. L. Silsbee. 1,505,295; Aug. 19.
Power plant, Hydraulic-. O. and C. M. Melin. 1,505,909; Aug. 19.
Power press. F. E. Layman. 1,505,099; Aug. 19.
Press: *See*—
Power press.
Pressure and vacuum device, Automatic. T. H. Boyd. 1,505,695; Aug. 19.
Pressure regulator. L. C. Powell. 1,505,217; Aug. 19.
Price-calculating machine. B. S. Ross. 1,505,498; Aug. 19.
Primary battery. M. L. Martus. 1,505,656; Aug. 19.
Printing apparatus. W. B. Payne. 1,505,666; Aug. 19.
Printing frame, Vacuum. E. W. Swelgard. 1,505,818; Aug. 19.
Printing mechanism. C. A. McEachron. 1,505,398; Aug. 19.
Propulsion system. G. R. Weisz. 1,505,832; Aug. 19.
Puff iron. C. E. Skelton. 1,505,812; Aug. 19.
Puller: *See*—
Terminal puller. Wheel puller.
Pulley, Expansible. N. I. Olson. 1,505,163; Aug. 19.
Pulp. Apparatus for grinding wood. J. J. Warren. 1,505,757; Aug. 19.
Pulp grinder, Method of and apparatus for controlling the pulp in the pit of a wood-. J. J. Warren. 1,505,758; Aug. 19.
Pulverizer, Soil. T. W. McDonald. 1,505,572; Aug. 19.
Punch. J. Hahn. 1,505,193; Aug. 19.
Pump. W. H. Reeves. 1,505,165; Aug. 19.
Pump, Rotary. E. Hill. 1,505,707; Aug. 19.
Pumps, Device for attachment to. S. A. Tabet. 1,505,819; Aug. 19.
Punch. G. P. Gall. 1,505,775; Aug. 19.
Putting cup. W. J. Chenoweth. 1,505,375; Aug. 19.
Rack: *See*—
Banana rack. Garment rack.
Radial lock. E. S. Burdick. 1,505,622; Aug. 19.
Radiator. G. A. Kiley. 1,505,713; Aug. 19.
Radiator construction. A. B. Cox. 1,505,701; Aug. 19.
Radiator-cooling attachment. L. A. Michaels. 1,505,658; Aug. 19.
Radiator-core-forming machine. R. R. Swaney. 1,505,172; Aug. 19.
Radiator cover. F. C. Hueber. 1,505,709; Aug. 19.
Radiological apparatus. F. Holweck. 1,505,463; Aug. 19.
Radio receiving apparatus. C. E. Brigham. 1,505,085; Aug. 19.
Radium-carrying device. F. I. and A. A. Leach. 1,505,209; Aug. 19.
Rail anchor. W. H. De Rusk. 1,505,378; Aug. 19.
Rail anchor. J. A. Dienner and A. C. Mabee. 1,505,090; Aug. 19.
Rail bond. F. C. Lavarack. 1,505,716; Aug. 19.
Rail clamp. L. F. Heptner. 1,505,345; Aug. 19.
Rail-clamping device. J. E. McGraner. 1,505,362; Aug. 19.
Rail fastener. J. S. Christmas. 1,505,245; Aug. 19.
Rail fastening. G. W. Whiteman. 1,505,614; Aug. 19.
Rail lifter and replacer. J. Finley. 1,505,632; Aug. 19.
Railway brake apparatus. A. Bulbick. 1,505,540; Aug. 19.
Railway rolling stock, Axle for. O. H. Heistand. 1,505,261; Aug. 19.
Railway signal and stop, Automatic. A. Zukor. 1,505,459; Aug. 19.
Railway switches, Signaling device for. H. Westeson. 1,505,115; Aug. 19.
Railway tie. A. T. Bouch. 1,505,621; Aug. 19.
Railway tie. E. H. Jacox. 1,505,646; Aug. 19.
Railway tie, Metallic. N. P. Kosteck. 1,505,150; Aug. 19.
Range, Cooking. A. A. Bruder. 1,505,244; Aug. 19.

Rat trap. O. Harty. 1,505,783; Aug. 19.
Razor. C. Barra. 1,505,578; Aug. 19.
Razor holder, Safety-. G. H. Maurer. 1,505,657; Aug. 19.
Razor, Safety. L. A. Maynard. 1,505,102; Aug. 19.
Receiving stations, Metering device for. C. W. Hough. 1,505,198; Aug. 19.
Reciprocating mechanism. D. C. Teetor. 1,505,749; Aug. 19.
Record holder. R. N. McClure. 1,505,477; Aug. 19.
Recorder: *See*—
Time recorder.
Recording gauge. A. J. Colwell. 1,505,313; Aug. 19.
Reel: *See*—
Sand reel.
Refrigerating system. W. E. Hexamer. 1,505,891; Aug. 19.
Refrigerating systems, Air-agitating tube for. R. F. Lindsay and R. H. Hemphill. Re15,895; Aug. 19.
Refrigerator having a show front with interchangeable panels. L. A. Banta. 1,505,843; Aug. 19.
Refrigerator interlocking shell structure. L. A. Banta. 1,505,846; Aug. 19.
Refrigerators, Chimney-ventilated shell for. L. A. Banta. 1,505,844; Aug. 19.
Refrigerators, Insulation structure for. L. A. Banta. 1,505,845; Aug. 19.
Register: *See*—
Coin register.
Regulation, Automatic. H. E. Warren. 1,505,925; Aug. 19.
Regulator: *See*—
Feed regulator. Pressure regulator.
Rein holder. R. T. Bang. 1,505,305; Aug. 19.
Resilient wheel. F. V. Elbertz and G. Ferrari. 1,505,247; Aug. 19.
Rims and wheels, Carrier for spare. E. H. Balden and H. E. Rhoads. 1,505,526; Aug. 19.
Ring: *See*—
Finger ring.
Rod: *See*—
Curtain rod.
Roller mill. M. J. Mayhew. 1,505,573; Aug. 19.
Rolling pin and sifter, Combined. A. Bloom. 1,505,851; Aug. 19.
Rope climbing and supporting device. A. Lowery. 1,505,360; Aug. 19.
Rope tightener with turnbuckle therefor, Stay-. S. Færch. 1,505,549; Aug. 19.
Rotary engine. J. A. Larson and E. Johnson. 1,505,788; Aug. 19.
Rotary screen. J. A. White. 1,505,835; Aug. 19.
Rotating members, Apparatus for indicating differences in angular velocity in. G. Wirrer. 1,505,515; Aug. 19.
Rubber-composition strip, Reenforced-. J. W. Mart. 1,505,272; Aug. 19.
Rubberizing fabric. E. W. Bentel. 1,505,694; Aug. 19.
Rug strips, Method of and machine for making. F. J. Henry. 1,505,143; Aug. 19.
Rut guard. C. W. Wolfe. 1,505,233; Aug. 19.
Safety device. R. F. Paden. 1,505,285; Aug. 19.
Safety-zone indicator for streets. J. D. Elbert. 1,505,325; Aug. 19.
Sand-blast cleaning method and apparatus therefor. H. A. Mulvany and H. E. Kennedy. 1,505,484; Aug. 19.
Sand extractor. G. C. Stacey. 1,505,226; Aug. 19.
Sand reel. R. L. Fletcher. 1,505,327; Aug. 19.
Sandwich plate, Handled. H. B. Duncan. Des. 65,435; Aug. 19.
Sanitary lather producing and dispensing apparatus. L. A. D'Alessandro. 1,505,377; Aug. 19.
Sausage casings, Stuffing. L. Sartore. 1,505,218; Aug. 19.
Saw guide. R. A. Zimmerman. 1,505,119; Aug. 19.
Saw, Pile-cutting. J. P. Ball. 1,505,237; Aug. 19.
Saw set. C. A. Hanson. 1,505,260; Aug. 19.
Scales, Recording weighing. G. von Post. 1,505,111; Aug. 19.
Screen: *See*—
Rotary screen.
Screen. W. M. Mangum. 1,505,156; Aug. 19.
Screen box. J. A. White. 1,505,836; Aug. 19.
Seat: *See*—
Automobile seat.
Seat for window cleaners, Safety. J. Badagliacca. 1,505,525; Aug. 19.
Seat-padding machine. A. S. Mitchell. 1,505,403-4; Aug. 19.
Separator: *See*—
Sewage separator.
Separator. C. L. Anderson. 1,505,842; Aug. 19.
Separator. A. H. Stebbins. 1,505,743-4; Aug. 19.
Sewage separator. J. Kindle. 1,505,148; Aug. 19.
Sewing machines, Cloth folder for. R. M. Sharaf. 1,505,731; Aug. 19.
Sewing machines, Rotary take-up for. J. J. Heap. 1,505,142; Aug. 19.
Shade and curtain bracket. J. T. Edgar. 1,505,876; Aug. 19.
Shade or globe supporting means. W. L. Kornfeld and A. R. Englander. 1,505,394; Aug. 19.
Sharpener, Scissors. F. B. Swisher. 1,505,678; Aug. 19.
Shears, Flying. L. Johnson. 1,505,711; Aug. 19.
Sheet-metal-press system. P. J. Smith. 1,505,814; Aug. 19.
Sheet-separating attachment. F. N. and W. P. Johnson. 1,505,349; Aug. 19.
Sheets, Holder for stacks of. C. Arelt. 1,505,688; Aug. 19.
Ship stabilizer. J. Jiengiel. 1,505,785; Aug. 19.
Shock absorber. G. H. Hayes. 1,505,562; Aug. 19.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,505,341; Aug. 19.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,505,414-16; Aug. 19.
Shoe heel, Detachable. J. Stamberger. 1,505,815; Aug. 19.
Shoulder-strap clip. R. and P. Freedman. 1,505,328; Aug. 19.
Shuttle. J. B. Daudelin. 1,505,190; Aug. 19.
Sign, Advertising. P. La Grassa. 1,505,714; Aug. 19.
Sign, Barber's. W. F. Koken. Des. 65,440-1; Aug. 19.
Sign holder and display rack. J. Q. Adams. 1,505,761; Aug. 19.
Signal: *See*—
Automobile signal. Grade-crossing signal.
Signal. J. F. Hurd. 1,505,147; Aug. 19.
Signaling system. J. F. Toomey. 1,505,231; Aug. 19.
Sizer, Pneumatic. A. H. Stebbins. 1,505,739; Aug. 19.
Sliding form jack. G. O. H. Glass. 1,505,638; Aug. 19.
Slippers, Ornament for ladies'. O. Schiller. 1,505,436; Aug. 19.
Smelting apparatus. R. Rodrian. 1,505,495; Aug. 19.
Smoker's pipe. J. Carafilidis. 1,505,861; Aug. 19.
Snow or the like, Apparatus for moving. P. G. Chayer. 1,505,863; Aug. 19.
Soil-sampling tool. C. C. Hansen. 1,505,779-80; Aug. 19.
Sound amplifying and distributing device. N. A. Clark. 1,505,864; Aug. 19.
Sound, System for locating the source of. J. Mills. 1,505,276; Aug. 19.
Spacer, Deformable. L. Trager. 1,505,612; Aug. 19.
Spark plug. L. P. Carpenter. 1,505,373; Aug. 19.
Spark plug. C. S. Swanson. 1,505,817; Aug. 19.
Speed-varying transmission. P. B. Reeves. 1,505,427; Aug. 19.
Spindle of cotton and the like spinning machines. F. H. Clough. 1,505,585; Aug. 19.
Spindles, Adjustable plug or se for centering, plumbing, or setting. A. M. Guillet. 1,505,561; Aug. 19.
Spinning-machine roller. J. C. Potter. 1,505,422; Aug. 19.
Spool, method of and apparatus for use in making the same, Universal wound. R. K. Clark. 1,505,917; Aug. 19.
Spot-light mounting. T. C. Cooper. 1,505,700; Aug. 19.
Spraying apparatus, Poultry-. E. D. Hendrickson. 1,505,641; Aug. 19.
Spreaders, Ratchet feed for. E. C. Smith. 1,505,672; Aug. 19.
Spring: *See*—
Vehicle spring.
Spring. L. H. Timmons. 1,505,445; Aug. 19.
Spring clamp. R. R. Shay. 1,505,220; Aug. 19.
Spring lubricator. D. L. Powers. 1,505,490; Aug. 19.
Spring-suspension column clamp. D. C. Klausmeyer. 1,505,899; Aug. 19.
Spring trap-jaw guard. F. Stultz. 1,505,506; Aug. 19.
Spring washer. R. F. Golden. 1,505,256; Aug. 19.
Stacking and counting machine. A. W. Hilsinger. 1,505,595; Aug. 19.
Statuette. B. H. Louthain and S. G. Honeck. Des. 65,443; Aug. 19.
Steel and the fixation of nitrogen, Manufacture of. A. Nagelvoort. 1,505,281; Aug. 19.
Stencil-character punches and dies, Forming. S. D. Hartog. 1,505,336; Aug. 19.
Stencil-cutting machine. S. D. Hartog. 1,505,337; Aug. 19.
Stereophotomicrographic instrument. J. D. Larson. 1,505,268; Aug. 19.
Stock-cutting apparatus and method. F. J. MacDonald. 1,505,212; Aug. 19.
Stock feeder. G. Markey. 1,505,157; Aug. 19.
Storage battery, Electric. A. Setzer. 1,505,219; Aug. 19.
Stove, Heating. J. T. Templeton. Des. 65,454; Aug. 19.
Strainer, Fruit or vegetable. J. H. Wilson. 1,505,456; Aug. 19.
Strap: *See*—
Decoy strap.
Strap-actuating appliance. S. J. Turner. 1,505,754; Aug. 19.
Street indicator. A. Dull. 1,505,628; Aug. 19.
Strength-testing device. R. Henschel. 1,505,344; Aug. 19.
Stropping device, Razor-blade-. L. B. Stoddard. 1,505,300; Aug. 19.
Structure, Collapsible. J. J. Shea, jr. 1,505,221; Aug. 19.
Sunblind and the like, E. C. Golding, C. Perks, and A. J. Pemberton. 1,505,386; Aug. 19.
Swing, Electrically-operated. L. O. Withun. 1,505,117; Aug. 19.
Switch: *See*—
Electric switch. Thermostatic switch.
Switch and lamp socket, Electric. F. Stehrer. 1,505,228; Aug. 19.
Switching apparatus. W. M. Scott. 1,505,107; Aug. 19.
Swivel wrench. B. F. Kelley. 1,505,567; Aug. 19.

Table: *See*—
Card table.
Table concentrator. A. H. Stebbins. 1,505,734-8; Aug. 19.
Tablet-making machine. E. and A. Villasenor. 1,505,827; Aug. 19.
Tag, Key. H. H. Withrow. 1,505,828; Aug. 19.
Take-up device, Automatic. F. Jerdone, jr. 1,505,348; Aug. 19.
Talking machine. J. T. Bennett. 1,505,307; Aug. 19.
Talking-machine repeater and stop. E. H. Josephson. 1,505,267; Aug. 19.
Telemeter. O. Eppenstein. 1,505,877; Aug. 19.
Telephone-exchange system. F. A. Stearn. 1,505,171; Aug. 19.
Telephone system. H. D. Currier. 1,505,089; Aug. 19.
Telephone system. F. S. Irvine. 1,505,710; Aug. 19.
Telephone system. M. Langer. 1,505,715; Aug. 19.
Telephone system, Multioffice. R. G. Richardson. 1,505,105; Aug. 19.
Telescope. H. Erfle. 1,505,878; Aug. 19.
Tender frame. H. R. Bartell. 1,505,692; Aug. 19.
Terminal puller. G. A. Nelson. 1,505,410; Aug. 19.
Textile fabrics or fibers, Treatment of. A. Roldin and J. Effront. 1,505,531; Aug. 19.
Theft-preventing apparatus. M. Rayford. 1,505,728; Aug. 19.
Thermometer, Windshield. M. L. Flickinger. 1,505,383; Aug. 19.
Thermostatic switch. P. H. Buch and H. M. Groff. 1,505,370; Aug. 19.
Thread cleaner. E. C. Ploense. 1,505,667; Aug. 19.
Thread holder, Crochet-. F. L. Burton. 1,505,623; Aug. 19.
Tie: *See*—
Mine tie. Wall tie.
Railway tie.
Time recorder. R. Rügler and H. Voight. 1,505,582; Aug. 19.
Tire. U. M. Burke. Des. 65,430.
Tire and wheel carrier for automobile. G. G. Bayne. 1,505,927; Aug. 19.
Tire attachment. A. J. Michelin. 1,505,910; Aug. 19.
Tire-casing turner and work support. P. E. Hawkinson. 1,505,141; Aug. 19.
Tire chain. M. J. Frambach. 1,505,635; Aug. 19.
Tire chain. F. T. Ganse. Re15,893; Aug. 19.
Tire chains, Attaching link for. C. Smith. 1,505,440; Aug. 19.
Tire-deflation alarm. L. F. Hartsell. 1,505,782; Aug. 19.
Tire heater. R. L. Fay. 1,505,548; Aug. 19.
Tire, Pneumatic. J. C. Tuttle and E. M. Sears. Des. 65,455; Aug. 19.
Tire racks, Tire-carrier attachment for automobile spare-. J. C. Turvene. 1,505,175; Aug. 19.
Tire tread. W. L. Copley. Des. 65,433; Aug. 19.
Tire trend, Pneumatic-. C. A. Pfahl. Des. 65,450; Aug. 19.
Tire valves, Dust cap for. H. P. Kraft. 1,505,697; Aug. 19.
Tires, Armor or protector for pneumatic. C. K. Bulgarides. 1,505,859; Aug. 19.
Tires, Device for applying antiskid chains to automobile. N. J. Trumbull. 1,505,824; Aug. 19.
Tires, Knockdown rim for. J. F. McCausland. 1,505,269, Aug. 19.
Tires, Low-air-pressure detector and signal in. L. F. Heerwagen. 1,505,784; Aug. 19.
Tobacco pipe. J. W. Ivory. 1,505,096; Aug. 19.
Tobacco pipes, Nicotine filter for. O. E. Nichols 1,505,413; Aug. 19.
Toilet case. C. W. Mather. 1,505,363; Aug. 19.
Tool. M. Uhl. 1,505,510; Aug. 19.
Tool control. F. C. Biggert, jr. 1,505,764; Aug. 19.
Tool handle. E. W. Derr. 1,505,379; Aug. 19.
Tool-handle fastener. L. A. Lamarre. 1,505,354; Aug. 19.
Tool handles, Wedge for. S. G. Bortz. 1,505,620; Aug. 19.
Toothbrush, Rotary. J. R. Cruikshank. 1,505,544; Aug. 19.
Towel cabinet. G. Olson. 1,505,664; Aug. 19.
Toy. J. Wehkaoja. 1,505,831; Aug. 19.
Tractor, Farm. J. M. Meyers. 1,505,574; Aug. 19.
Tractor, Friction-driven farm. L. Blackmore. 1,505,533; Aug. 19.
Traction hitch. O. W. Johnson. 1,505,201; Aug. 19.
Tractor transmission mechanism. C. H. Butler. 1,505,371; Aug. 19.
Transmission. R. N. Ickes. 1,505,391; Aug. 19.
Transmission. C. E. Swenson. 1,505,611; Aug. 19.
Transmission lining, Ford. B. I. Young and H. R. Haywood. 1,505,519; Aug. 19.
Trap: *See*—
Cage trap. Rat trap.
Insect trap.
Trap. H. Buttram. 1,505,932; Aug. 19.
Traveling bags, Reenforcing means for. A. J. Petrie and E. B. Bartlett. 1,505,421; Aug. 19.
Tray, Compression. H. M. Carroll, sr. 1,505,862; Aug. 19.
Trees and the like, Holder for. G. B. Lindquist. 1,505,357; Aug. 19.
Trench digger. C. O. Hansen. 1,505,195; Aug. 19.
Trimmer: *See*—
Lawn trimmer.
Truck. J. H. Hertner. 1,505,889; Aug. 19.
Truck. D. F. Isaacs. 1,505,645; Aug. 19.
Truck, Trailer. A. B. Cadman. 1,505,372; Aug. 19.
Trucks, Roll-bed attachment for. R. E. Howland and L. E. Utter. 1,505,199; Aug. 19.
Truing tool. C. L. Lee. 1,505,210; Aug. 19.
Truss. P. Speck. 1,505,225; Aug. 19.
Tube-bending machine. J. H. Hawes. 1,505,887; Aug. 19.
Tubing clip, Adjustable. F. H. Gleason. 1,505,883; Aug. 19.
Turbine engines, Steam-. W. H. Belknap. 1,505,187; Aug. 19.
Turbines and the like, Shaft packing for elastic-fluid. G. B. Warren. 1,505,924; Aug. 19.
Turpentine and rosin from resinous wood, Extracting. C. M. Sherwood and R. K. Cole. 1,505,438; Aug. 19.
Type-feeding device. C. F. Nayer. Re15,896; Aug. 19.
Typewriter cover and carrying device. M. Olstad. 1,505,797; Aug. 19.
Typewriters, Ribbon mechanism for. D. C. Harris. 1,505,093; Aug. 19.
Typewriting and computing machine, Combined. E. E. Fowler. 1,505,250; Aug. 19.
Typewriting and computing machine, Combined. H. L. Pitman. 1,505,489; Aug. 19.
Umbrella lock. C. E. Keller. 1,505,469; Aug. 19.
Units upon a base, Machine for affixing and assembling. C. G. Anderson. 1,505,686; Aug. 19.
Vacuum-tube frequency converter. M. K. Akers. 1,505,234; Aug. 19.
Vacuum-tube socket. C. A. Friedrich. 1,505,329; Aug. 19.
Valve. E. R. W. Lewis. 1,505,650; Aug. 19.
Valve for storage battery vents, By-pass. R. C. Benner and H. F. French. 1,505,693; Aug. 19.
Valve for tanks, Flush. P. Mueller. 1,505,278; Aug. 19.
Valve mechanism for wells. C. H. Benckenstein. 1,505,850; Aug. 19.
Valve mechanism, Reversing-. N. F. Egler. 1,505,630; Aug. 19.
Vanity bag and the like. N. Kasdan. 1,505,393; Aug. 19.
Vanity case. O. J. Cathcart. 1,505,698; Aug. 19.
Vaporizer and air-supply device. J. F. Goetz. 1,505,254; Aug. 19.
Varnishes, Manufacturing foromolophenolic. J. Filhol. 1,505,382; Aug. 19.
Vehicle doors, Antirattler for. A. T. McClurg. 1,505,270; Aug. 19.
Vehicle jack. C. F. Showalter. 1,505,294; Aug. 19.
Vehicle of contact. E. Nowak. 1,505,162; Aug. 19.
Vehicle spring. S. S. Shears. 1,505,222; Aug. 19.
Vehicle support. J. M. Irving. 1,505,894; Aug. 19.
Vehicle wheel. N. Cornfield. 1,505,926; Aug. 19.
Vehicles, Attachment for motor. W. H. Branscum. 1,505,854; Aug. 19.
Vehicles, Control of electrically-propelled. H. C. Hastings. 1,505,935; Aug. 19.
Vehicles, Cowl ventilator for motor. E. H. Belden. 1,505,528; Aug. 19.
Vehicles, Lift for two-wheeled trailer. F. S. Herbert and H. J. Mooney. 1,505,144; Aug. 19.
Vehicles, Power take-off for motor. C. McCoy. 1,505,101; Aug. 19.
Vending machine. N. Obradovits. 1,505,725; Aug. 19.
Vest or coat for carrying securities. H. Belz. 1,505,530; Aug. 19.
Vision shield, Glareproof. J. C. Wood. 1,505,839; Aug. 19.
Vitamine-free products and foodstuffs, Preparing. C. Funk and L. Freedman. 1,505,551; Aug. 19.
Vulcanizing hollow articles, Mold for. C. W. Steele. 1,505,816; Aug. 19.
Wagon and truck dump. W. G. Hancock and L. T. Stromswold. 1,505,777; Aug. 19.
Wall. W. Griffiths. 1,505,257; Aug. 19.
Wall construction, Breakwater-. J. P. Ball. 1,505,238; Aug. 19.
Wall receptacle or similar article. F. H. Doerr. Des. 65,434; Aug. 19.
Wall tie. L. E. Curtis. 1,505,871; Aug. 19.
Walls and partitions, Composition for facing. R. F. Wilkins and H. Chandler. 1,505,302; Aug. 19.
Warfare devices, Trench-. C. E. Sparhawk. 1,505,168; Aug. 19.
Washer: *See*—
Spring washer.
Washers and wringers, Drive mechanism for combined. J. M. Derschug. 1,505,874; Aug. 19.
Washing machine. A. J. Fisher. 1,505,881; Aug. 19.
Washing machine. G. W. Griswold. 1,505,139; Aug. 19.
Washing machine. C. E. Reddig. 1,505,492; Aug. 19.
Washing machine. P. F. and R. J. Schneider and W. F. Blake. 1,505,606; Aug. 19.
Washing machine. C. F. Staples. 1,505,674; Aug. 19.
Watch. S. Kresser. 1,505,521; Aug. 19.
Water-closet. J. J. Parkinson. 1,505,799; Aug. 19.
Water-heating apparatus. F. W. Robertshaw. 1,505,729; Aug. 19.
Water meter. L. Trager. 1,505,508; Aug. 19.
Wax from wax-containing hydrocarbons, Extracting. J. W. Weir. 1,505,453; Aug. 19.
Weather screen for motor vehicles. A. Gravel. 1,505,332; Aug. 19.

Weighing and recording device. A. Wolf. 1,505,303; Aug. 19.
Weighing mechanism. C. G. von Post. 1,505,110; Aug. 19.
Well-casing shoe. L. F. Baash. 1,505,690; Aug. 19.
Well-casing tool. J. C. Lewis. 1,505,475; Aug. 19.
Well drill. G. Griesche. 1,505,460; Aug. 19.
Wheel: *See*—
Demountable wheel. Resilient wheel.
Disk wheel. Vehicle wheel.
Wheel. H. M. Howell. 1,505,465; Aug. 19.
Wheel. G. A. Mock. 1,505,598; Aug. 19.
Wheel puller. N. W. Trautner. 1,505,232; Aug. 19.
Wheels, Attaching device for skid. A. W. Warnock. 1,505,913; Aug. 19.
Wheels, Block for car. T. H. Edelblute. 1,505,591; Aug. 19.
Wheels, Carrier for spare. E. H. Belden and H. E. Rhoads. 1,505,527; Aug. 19.
Wick burner. F. F. Bennett. 1,505,240; Aug. 19.
Wind engine. L. J. Costes. 1,505,866; Aug. 19.
Windshield and top support. E. H. Belden. 1,505,529; Aug. 19.
Windshield construction. A. T. Potter. 1,505,287; Aug. 19.
Wire reels, Machine for making. J. A. Holmquist. 1,505,708; Aug. 19.
Wire-twisting device. V. E. Lindfors. 1,505,356; Aug. 19.
Wire-twisting machine. G. B. Smith. 1,505,673; Aug. 19.
Wrench: *See*—
Pipe wrench. Swivel wrench.
Wrench. A. J. Kershner. 1,505,896; Aug. 19.
Wrench. A. Kikta. 1,505,897; Aug. 19.
Wringer mechanism. J. Crossley. 1,505,869; Aug. 19.
Wrist-pin construction. C. H. Knudsen. 1,505,149; Aug. 19.
Yarns, Means for waxing. S. P. Ruff, jr. 1,505,432-3; Aug. 19.
Zither, Pedal. J. Weiss. 1,505,514; Aug. 19.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 19, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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179—	18:	1,505,710	204—	11:	1,505,424	217—	69:	1,505,682	235—	91:	1,505,366	254—	4:	1,505,645	285—	150:	1,505,722
	27:	1,505,105		15:	1,505,494	218—	10:	1,505,152	238—	10:	1,505,116		5:	1,505,889		193:	1,505,543
		1,505,171		19:	1,505,495	219—	1:	1,505,478			1,505,362		31:	1,505,638	286—	1:	1,505,094
	43:	1,505,231		25:	1,505,104		21:	1,505,578			1,505,807		66:	1,505,280		7:	1,505,431
180—	9.1:	R. 15,894		29:	1,505,166		24:	1,505,726		31:	1,505,646		88:	1,505,894		9:	1,505,924
	17:	1,505,371			1,505,219		32:	1,505,248		61:	1,505,245		91:	1,505,203		10:	1,505,590
		1,505,533			1,505,693		37:	1,505,681			1,505,614		131:	1,505,294			1,505,647
		1,505,574			1,505,842		38:	1,505,179			1,505,808		134:	1,505,443		11:	1,505,321
181—	26:	1,505,481		32:	1,505,603			1,505,762		106:	1,505,806		185:	1,505,242		25:	1,505,462
183—	77:	1,505,283			1,505,669		39:	1,505,828		272:	1,505,150		190:	1,505,253	287—	103:	1,505,318
		1,505,564			1,505,750	220—	1:	1,505,086		315:	1,505,090	255—	51:	1,505,586	290—	1:	1,505,702
	79:	1,505,743			1,505,751		6:	1,505,284		329:	1,505,378		61:	1,505,460		38:	1,505,153
	83:	1,505,744			1,505,752		32:	1,505,858		331:	1,505,621		68:	1,505,779		40:	1,505,853
184—	1:	1,505,490		38:	1,505,644		61:	1,505,205		340:	1,505,345			1,505,780	292—	169:	1,505,270
	27:	1,505,136			1,505,656		94:	1,505,369	240—	7:	1,505,615		72:	1,505,346		283:	1,505,229
185—	27:	1,505,512	206—	5:	1,505,769	221—	60:	1,505,200		10:	1,505,457	257—	25:	1,505,658		337:	1,505,380
187—	19:	1,505,810		15.6:	1,505,355		62:	1,505,705		41:	1,505,577		130:	1,505,701		338:	1,505,184
	35:	1,505,099		38:	1,505,400		94:	1,505,377		44:	1,505,719			1,505,713	293—	55:	1,505,140
	84:	1,505,872		41:	1,505,748			1,505,442		45.2:	1,505,905		132:	1,505,709			1,505,169
	91:	1,505,304		44:	1,505,458		95:	1,505,930		53:	1,505,778		239:	1,505,429			1,505,365
188—	2:	1,505,134			1,505,545		98:	1,505,511		61:	1,505,532		247:	1,505,576			1,505,556
	18:	1,505,335		48:	1,505,133	222—	4:	1,505,918			1,505,700	259—	7:	1,505,479			1,505,662
	70:	1,505,216		57:	1,505,087	223—	54:	1,505,677			1,505,823		75:	1,505,263			1,505,854
	57:	1,505,888	208—	19:	1,505,271	224—	8:	1,505,661		62:	1,505,795	260—	4:	1,505,382			1,505,885
	92:	1,505,643	210—	48:	1,505,898		28:	1,505,487		81:	1,505,654		25:	1,505,181			1,505,900
	209:	1,505,640		51:	1,505,148		29:	1,505,182		85:	1,505,108		61:	1,505,912			1,505,901
	240:	1,505,847		61:	1,505,841			1,505,526		100:	1,505,559		73:	1,505,569			1,505,902
	259:	1,505,519		165:	1,505,523			1,505,527		132:	1,505,394		77:	1,505,568	294—	33:	1,505,258
189—	75:	1,505,402	211—	8:	1,505,503			1,505,927	242—	26:	1,505,917	261—	72:	1,505,565			1,505,319
190—	49:	1,505,421		9:	1,505,441		189:	1,505,175		36:	1,505,563			1,505,566		48:	1,505,510
	52:	1,505,884		13:	1,505,649	225—	26:	1,505,122		95:	1,505,230			1,505,763		65:	1,505,626
192—	24:	1,505,312		15:	1,505,539			1,505,435		117:	1,505,327		93:	1,505,204		74:	1,505,663
193—	13:	1,505,392		16:	1,505,477	226—	43:	1,505,403		141:	1,505,623	263—	5:	1,505,548		79:	1,505,665
	23:	1,505,676		21:	1,505,773		44:	1,505,404	243—	34:	1,505,542		20:	1,505,249		87:	1,505,860
	25:	1,505,830		24:	1,505,761	227—	8:	1,505,360	244—	3:	1,505,135		28:	1,505,768		94:	1,505,475
194—	2:	1,505,536		27:	1,505,308	229—	5.7:	1,505,804			1,505,689	265—	22:	1,505,344	295—	39:	1,505,261
	4:	1,505,622		29:	1,505,688		52:	1,505,594		5:	1,505,911		39:	1,505,343	296—	93:	1,505,287
	58:	1,505,725	212—	5:	1,505,103		54:	1,505,765		6:	1,505,376		48:	1,505,303		97:	1,505,839
	78:	1,505,361		11:	1,505,632	230—	24:	1,505,604		25:	1,505,091		62:	1,505,110		99:	1,505,332
195—	12:	1,505,634			1,505,868		30:	1,505,114	246—	101:	1,505,459	266—	23:	1,505,106		103:	1,505,529
196—	1:	1,505,759	213—	22:	1,505,239			1,505,707		126:	1,505,147	267—	17:	1,505,562	299—	92:	1,505,297
	50:	1,505,870		31:	1,505,414		33:	1,505,712		210:	1,505,115		20:	1,505,222		125:	1,505,331
	99:	1,505,798		32:	1,505,341	232—	34:	1,505,277		293:	1,505,449		45:	1,505,445	301—	9:	1,505,243
197—	6.2:	1,505,666			1,505,415		40:	1,505,439	247—	1:	1,505,629	268—	6:	1,505,266		11:	1,505,465
	6.7:	1,505,337		33:	1,505,416	233—	11:	1,505,453		20:	1,505,301	270—	61:	1,505,920		35:	1,505,269
	157:	1,505,093		164:	1,505,555	234—	1:	1,505,111	248—	5:	1,505,504	271—	61:	1,505,349		37:	1,505,368
198—	8:	1,505,476	214—	49:	1,505,777			1,505,313		28.5:	1,505,330	274—	2:	1,505,804		63:	1,505,598
	58:	1,505,840		84:	1,505,199			1,505,515		38:	1,505,357		10:	1,505,307		122:	1,505,913
	157:	1,505,732		132:	1,505,195		43:	1,505,582	250—	2:	1,505,158		15:	1,505,267	303—	22:	1,505,540
	167:	1,505,928		141:	1,505,826	235—	20:	1,505,250		34:	1,505,463	280—	33.1:	1,505,141	304—	26:	1,505,525
	229:	1,505,907	215—	1:	1,505,194		32:	1,505,426		41:	1,505,600		33.12:	1,505,201	306—	33:	1,505,354
200—	50:	1,505,849		63:	1,505,733		59:	1,505,384	251—	5:	1,505,428		33.55:	1,505,372			1,505,620
	67:	1,505,370	217—	43:	1,505,221			1,505,385		132:	1,505,650		185:	1,505,305			
	107:	1,505,107		47:	1,505,717			1,505,747	252—	3:	1,505,496	285—	30:	1,505,279			
	125:	1,505,464		52:	1,505,520		60:	1,505,489			1,505,517		34:	1,505,683			
203—	6:	1,505,438			1,505,790		87:	1,505,498	253—	48:	1,505,187		84:	1,505,255			
204—	1:	1,505,109		54:	1,505,789		90:	1,505,317	254—	1:	1,505,118		90:	1,505,121			

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ahambeb Company, Philadelphia, Pa. Medicinal preparation for the treatment of rheumatism. 188,447; Aug. 26; Serial No. 195,563; published June 10, 1924.

Aladdin Oil Burner Corporation, Chicago, Ill. Injector heads and devices accessory to such heads in liquid-fuel burners for heating furnaces. 188,429; Aug. 26; Serial No. 194,968; published June 10, 1924.

American Bleacher Products Co. (See Redoute, George E.)

American Candy Co., Milwaukee, Wis. Candy. 188,344; Aug. 26; Serial No. 193,882; published June 17, 1924.

American Liquolift Corporation, New York, N. Y. Pumps. 188,353; Aug. 26; Serial No. 194,508; published June 17, 1924.

American Scientific Laboratories, Inc., Chicago, Ill. Preparation for the prevention and treatment of diseases. 188,403; Aug. 26; Serial No. 184,536; published June 10, 1924.

American Thread Company, The. (See Willimantic Linen Company, assignor.)

American Thread Company, The, New York, N. Y. Cotton thread. 188,359; Aug. 26; Serial No. 196,002; published June 17, 1924.

Anaconda Copper Mining Company, New York, N. Y. Copper-coated shingles. 188,565; Aug. 26.

Anheuser-Busch, Inc., St. Louis, Mo. Ginger ale. 188,362; Aug. 26; Serial No. 196,223; published June 17, 1924.

Apex Specialties Corporation, New York, N. Y. Cigarette holders. 188,492; Aug. 26; Serial No. 153,754; published June 17, 1924.

Atkins, J. & E., Limited, London, England. Perfumes, toilet powder, etc. 188,470–1; Aug. 26; Serial Nos. 196,046–7; published June 17, 1924.

Attaboy Company. (See Sload, George I.)

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Ginger ale, root beer, lemon soda, etc. 188,394; Aug. 26; Serial No. 192,353; published June 17, 1924.

Authorized Wassermann Medical Corporation, New York, N. Y. Pharmaceutical preparations and medicated plasters. 188,541; Aug. 26; Serial No. 181,584; published June 10, 1924.

Automatic Electric Machine Co., Inc., Oakland, Calif. Time daters and time-dating machines. 188,485; Aug. 26; Serial No. 176,011; published June 17, 1924.

Aveco Products Co., Chicago, Ill. Food-flavoring compound of vanilla. 188,487; Aug. 26; Serial No. 173,343; published June 17, 1924.

Averill Manufacturing Corporation, New York, N. Y. Dolls. 188,355–6; Aug. 26; Serial Nos. 194,584–5; published June 17, 1924.

Bagdad Land & Lumber Company, Bagdad, Fla. Lumber. 188,557; Aug. 26.

Balmac Bros. & Company, New York, N. Y. Coffee. 188,363; Aug. 26; Serial No. 196,285; published June 17, 1924.

Barnebey-Cheney Engineering Company, The, Columbus, Ohio. Deodorizing material. 188,534; Aug. 26; Serial No. 166,128; published June 3, 1924.

Barnes and Barnes, doing business as Barnes Medicine Co., Shreveport, La. Medicinal preparation for the treatment of syphilis, etc. 188,536; Aug. 26; Serial No. 173,162; published June 10, 1924.

Barrows, John C., Washington, D. C. Pile salve. 188,551; Aug. 26; Serial No. 195,797; published June 10, 1924.

Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods made of cotton or of silk or of a mixture of cotton and silk. 188,334; Aug. 26; Serial No. 195,672; published June 17, 1924.

Bell Canning Co., The, Grundy Center and Waterloo, Iowa. Canned vegetables. 188,371; Aug. 26; Serial No. 196,567; published June 17, 1924.

Benjamin, E. V., Co., Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Cotton piece goods. 188,324; Aug. 26; Serial No. 195,327; published June 17, 1924.

Benton Ice Cream & Bottling Co., Benton, Ill. Ice cream and milk. 188,558; Aug. 26.

Berger Bros. Company, Philadelphia, Pa. Sheet-metal roofing and solder bars. 188,318; Aug. 26; Serial No. 194,773; published June 17, 1924.

Berger Bros. Company, Philadelphia, Pa. Roof ventilators and charcoal fire pots. 188,425; Aug. 26; Serial No. 194,772; published May 27, 1924.

Berry Brothers, Limited, assignor to Berry Brothers, Detroit, Mich. Varnish for wood floors. 25,141; renewed Aug. 14, 1924.

Beta-Sigma-Herbs Co., New York, N. Y. Dry herb compound constituting a laxative medicine. 188,453; Aug. 26; Serial No. 195,732; published June 10, 1924.

Bird, Alfred, and Sons, Limited, Birmingham, England. Dessert powder. 188,381; Aug. 26; Serial No. 187,033; published Mar. 18, 1924.

Blanke, C. F., Tea and Coffee Company, also doing business as C. F. Blanke Candy Co., St. Louis, Mo. Marshmallow bar. 188,345; Aug. 26; Serial No. 193,893; published June 17, 1924.

Blatz, Val., Jr. Candy Co., Milwaukee, Wis. 188,570; Aug. 26.

Boil Remedy Company, The. (See Robertson, Jas. W.)

Bonaccolto, Vincent, doing business as Universal Pharmacal Products Company, New York, N. Y. System and general medicinal tonic. 188,421; Aug. 26; Serial No. 194,517; published June 10, 1924.

Bon Ami Company, Inc., The, Wilmington, Del., and New York, N. Y. Extension-handled tool for household cleaning. 188,347; Aug. 26; Serial No. 193,988; published June 17, 1924.

Borgfeldt, George, & Co., New York, N. Y. Perfume. 188,426; Aug. 26; Serial No. 194,780; published June 10, 1924.

Botsford, R. S., Wallingford, Conn. Ginger ale, lemon soda, cream soda, etc. 188,323; Aug. 26; Serial No. 195,260; published June 17, 1924.

Bourjois, A., & Co. Inc., New York, N. Y. Toilet preparations. 188,414; Aug. 26; Serial No. 193,381; published June 17, 1924.

Bowers, John L., doing business as John L. Bowers & Company, Toledo, Ohio. Skin tonic and lotion. 188,404; Aug. 26; Serial No. 180,691; published May 27, 1924.

Braadland, John, Ltd., also doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass. Canned fish. 188,539; Aug. 26; Serial No. 177,585; published June 24, 1924.

Bradas & Gheens. (See Gheens, C Edwin.)

Brandt, Louis, & Frère; Societe Anonyme Louis Brandt & Frere Omega Watch Co., Bienne, Switzerland, successor. Watch movements and watchcases. 25,036; renewed July 24, 1924.

Bredan Creamery, Inc., Denver, Colo. Eggs and cheese. 188,554; Aug. 26; Serial No. 196,573; published June 17, 1924.

Brister, C. W., & Son, Auburn, N. Y. Wheat flour. 188,516; Aug. 26; Serial No. 170,805; published June 17, 1924.

Buckley, T. Andrew, doing business as Oxford Laboratory, New York, N. Y. Medicated chewing gum. 188,496; Aug. 26; Serial No. 193,895; published June 17, 1924.

Buttons Limited. (See Carlyle, Thomas, and John Mark Carlyle, assignors.)

C. M. Remedy Co., Durham, N. C. Preparation for the relief of headaches, neuralgia, nervousness, etc. 188,543; Aug. 26; Serial No. 183,092; published Jan. 1, 1924.

Carfiel & Morris, San Benito, Tex. Table vegetables. 188,380; Aug. 26; Serial No. 185,745; published June 10, 1924.

Carlyle, Thomas, and J. M. Carlyle, assignors to Buttons, Limited, Birmingham, England. Metal articles. 25,508; renewed Nov. 13, 1924.

Carper, T. A., Dayton, Ky. Malt sirup. 188,332; Aug. 26; Serial No. 195,632; published June 17, 1924.

Catlin & Co., New York, N. Y. Dress goods and linings. 25,261; renewed Sept. 25, 1924.

Chappel Bros. Inc., Rockford, Ill. Canned meat and cereals for dogs, cats, etc. 188,325–6; Aug. 26; Serial Nos. 195,490–1; published June 17, 1924.

Chemical Treatment Company, New York, N. Y. Flux for welding metals. 188,469; Aug. 26; Serial No. 196,050; published June 17, 1924.

Chicago Coal Merchants Association, Chicago, Ill. Coal. 188,537; Aug. 26; Serial No. 174,766; published May 27, 1924.

City Mills Co., Columbus, Ga. Wheat flour. 188,528; Aug. 26; Serial No. 196,332; published June 17, 1924.

Claremont California Fruit Growers Association, The, Claremont, assignor to Indian Hill Citrus Association, North Pomona, Calif. California fruits. 24,176; renewed Feb. 6, 1924.

Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 188,365; Aug. 26; Serial No. 196,365; published July 22, 1924.

Clotworthy, Hugh A., New York, N. Y. Nail-polishing powder. 188,474; Aug. 26; Serial No. 196,006; published June 10, 1924.

Cohan, Anna, doing business as De Behr Preparations, Joliet, Ill. Preparation for dressing the hair. 188,466; Aug. 26; Serial No. 196,103; published June 17, 1924.

Cohen, Henry B., New York, N. Y. Safety razors. 188,385; Aug. 26; Serial No. 188,407; published June 17, 1924.

Cohn Hall Marx Co., New York, N. Y. Cotton fabrics. 188,360; Aug. 26; Serial No. 196,008; published June 17, 1924.

Cohn, Sigmund, New York, N. Y. Precious metals in the form of tubes, plates, and wire. 188,348; Aug. 26; Serial No. 193,991; published June 17, 1924.
Colgate & Company, Jersey City, N. J. Face powder and rouge in compact form. 188,434; Aug. 26; Serial No. 195,050; published June 3, 1924.
Colorado Milling & Elevator Co., The, Denver, Colo., doing business as The Wilson Flour Mills, Wilson, Kans. Wheat flour. 188,530; Aug. 26; Serial No. 196,438; published June 17, 1924.
Comfort Manufacturing Co., Chicago, Ill. Face powder in cake form. 188,454; Aug. 26; Serial No. 195,739; published June 10, 1924.
Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Treated raw fibers for upholstery filling. 188,437; Aug. 26; Serial No. 195,214; published May 27, 1924.
Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Treated raw fibers for upholstery filling. 188,438; Aug. 26; Serial No. 195,218; published May 27, 1924. 11, 1923.
Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, London, England. Treated raw fibers for upholstery filling. 188,439; Aug. 26; Serial No. 195,220; published May 27, 1924.
Conservation Utilities Company, The, Toledo, Ohio. Solution for treating the mouth. 188,455; Aug. 26; Serial No. 195,741; published June 10, 1924.
Corby Baking Company, Inc., The, Washington, D. C. Bread and cake. 188,525; Aug. 26; Serial No. 195,436; published June 10, 1924.
Corrao, Antonio, doing business as Italian Cheese Co., New York, N. Y. Cheese. 188,532; Aug. 26; Serial No. 196,852; published June 17, 1924.
Coty, Inc., New York, N. Y. Rouges and lip sticks. 188,443–4; Aug. 26; Serial Nos. 195,497–8; published June 10, 1924.
Coty, Inc., Wilmington, Del., and New York, N. Y. Rouges. 188,448; Aug. 26; Serial No. 195,574; published June 10, 1924.
Coyne, Ella R., doing business as Ucazone Laboratories, Cleveland, Ohio. Preparation for dandruff, hair tonic, laxative tablets, salve. 188,402; Aug. 26; Serial No. 183,957; published May 27, 1924.
Cremint Company. (See Levy, Irving.)
Cristani, John E., New York, N. Y. Olive oil. 188,482; Aug. 26; Serial No. 177,365; published June 17, 1924.
Cummings Corporation, Camden, N. J., and Philadelphia, Pa. Candy. 188,559; Aug. 26.
Curtiss Candy Co., Chicago, Ill. Candy. 188,495; Aug. 26; Serial No. 117,219; published July 19, 1921.
Cutaway Harrow Company, The, Higganum, Conn. Agricultural implements. 25,802; renewed Jan. 1, 1925.
Davis-Cleaver Produce Company, Quincy, Ill. Butter. 188,518; Aug. 26; Serial No. 180,845; published Dec. 11, 1923.
De Behr Preparations. (See Cohan, Anna.)
Delatour Beverage Corporation, New York and Long Island City, N. Y. Ginger ale. 188,408; Aug. 26; Serial No. 191,755; published Mar. 25, 1924.
Demers, Chester W., Derby, Vt. Face cream. 188,435; Aug. 26; Serial No. 195,054; published June 3, 1924.
Dennis, Martin, Chrome Tannage Co., The; The Martin Dennis Co., Newark, N. J., successor. Chrome tannage liquor. 25,852; renewed Jan. 8, 1925.
Doran, George F., doing business as Selboral Laboratories, Worcester, Mass. Preparations to stimulate the growth of the hair and to remove dandruff. 188,462; Aug. 26; Serial No. 190,874; published June 9, 1924.
Dunn, Geo. E., Coal Co. Inc., New York, N. Y. Coal. 188,522; Aug. 26; Serial No. 192,820; published May 6, 1924.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 188,367; Aug. 26; Serial No. 196,377; published June 17, 1924.
Engelhard, Frank, & Sons, doing business as Hercules Float Works, Springfield, Mass. Floats and air chambers. 188,357; Aug. 26; Serial No. 195,877; published June 17, 1924.
Farbenfabriken verm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Anthelmintics. 188,473; Aug. 26; Serial No. 196,012; published June 10, 1924.
Farley Harvey Company, The, Boston, Mass. Linen and cotton cloths and woolen blankets. 188,476; Aug. 26; Serial No. 183,206; published Oct. 16, 1923.
Farley Harvey Company, The, Boston, Mass. Linen and cotton cloths and woolen blankets. 188,477; Aug. 26; Serial No. 183,203; published Oct. 16, 1923.
Floret, Inc., New York, N. Y. Perfumes, toilet waters, and face powders. 188,399; Aug. 26; Serial No. 176,116; published June 10, 1924.
First Texas Chemical Manufacturing Company, Dallas, Tex. Cough sirup. 188,571; Aug. 26.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea and coffee. 188,343; Aug. 26; Serial No. 193,812; published June 17, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 188,368; Aug. 26; Serial No. 196,381; published June 17, 1924.
Foster, Caney, doing business as Roanoke Medicine Company, Weldon, N. C. Preparations for headache, neuralgia, etc. 188,411; Aug. 12; Serial No. 192,325; published June 17, 1924.
Frank, S. M., & Co. Inc., New York, N. Y. Pipes, cigar and cigarette holders. 188,317; Aug. 26; Serial No. 194,790; published June 17, 1924.
Fritch, Art L. (See Hess, Elizabeth, assignor.)
Fritzsche Brothers, Inc., New York, N. Y. Flavoring compounds for foods. 188,327; Aug. 26; Serial No. 195,576; published June 17, 1924.
Fritzsche Brothers, Inc., New York, N. Y. Maltless flavoring compound for beverages. 188,342; Aug. 26, Serial No. 193,585; published June 17, 1924.
Fritzsche Brothers, Inc., New York, N. Y. Essential oils and chemicals used in the manufacture of perfumes and flavorings. 188,456; Aug. 26; Serial No. 193,584; published June 3, 1924.
G. L. P. Co. Inc., Brooklyn, N. Y. Packed olive oil. 188,493; Aug. 26; Serial No. 147,874; published June 17, 1924.
Ganetopoulos, Paul, Chicago, Ill. Preparation for sore eyes. 188,547; Aug. 26; Serial No. 186,988; published June 3, 1924.
Gar-Mar Manufacturing Co., York, Pa. Bluing. 188,449; Aug. 26; Serial No. 195,577; published June 10, 1924.
Gheens, C Edwin, doing business as Bradas & Gheens, Louisville, Ky. Candles. 188,491; Aug. 26; Serial No. 155,749; published Aug. 15, 1922.
Girard Wrench Manufacturing Company, Girard, Pa. Wrenches. 188,480; Aug. 26; Serial No. 178,384; published June 17, 1924.
Girard Wrench Manufacturing Company, Girard, Pa. Wrenches. 188,484; Aug. 26; Serial No. 176,616; published June 17, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Cold, almond, and massage creams, face powder, rouge, etc. 188,457; Aug. 26; Serial No. 193,332; published June 10, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Cold cream, rouge, shampoo, hair tonic, etc. 188,458; Aug. 26; Serial No. 193,099; published June 10, 1924.
Glett, Henry, New York, N. Y. Foot cream. 188,423; Aug. 26; Serial No. 194,535; published June 10, 1924.
Gould, Bertha, Brooklyn, N. Y. Rouge creams. 188,430; Aug. 26; Serial No. 194,994; published June 10, 1924.
Graham, Frederick, doing business as Paramount Products Co., Denver, Colo. Eczema preparations. 188,499; Aug. 26; Serial No. 194,272; published June 3, 1924.
Granados, Rafael, doing business as Rafael Granados & Co., Sonora, Ariz. Insecticide. 188,511; Aug. 26; Serial No. 195,957; published June 10, 1924.
Grand Union Tea Company, Brooklyn, N. Y. Coffee. 188,372; Aug. 26; Serial No. 196,589; published June 17, 1924.
Grasselli Chemical Company, The, Cleveland, Ohio, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 188,564; Aug. 26.
Graynix Company, The, Tampa, Fla. Hair tonic. 188,463; Aug. 26; Serial No. 196,058; published June 17, 1924.
Grinnell Company, Inc., Providence, R. I. Steam, water, and gas pipe fittings and valves. 188,483; Aug. 26; Serial No. 176,622; published June 17, 1924.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, artificial silk, etc. 188,333; Aug. 26; Serial No. 195,637; published June 17, 1924.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk, wool, cotton, and linen piece goods. 188,361; Aug. 26; Serial No. 196,018; published June 17, 1924.
Haglund & Söners Handels- & Fabriksaktiebolag, Falkoping, Sweden. Blind rollers. 188,375; Aug. 26; Serial No. 196,659; published June 17, 1924.
Hamann, Charles, Port Chester, N. Y. Bottle-washing machines and parts thereof. 188,488; Aug. 26; Serial No. 171,271; published June 17, 1924.
Hanson Fish Products Co., Duluth, Minn. Canned, salted, spiced, and smoked fish. 188,354; Aug. 26; Serial No. 194,536; published June 17, 1924.
Harrington, Eugene W., doing business as Kojene Products Co., Buffalo, N. Y. Antiseptic, germicide, deodorant, and disinfectant. 188,465; Aug. 26; Serial No. 196,112; published June 17, 1924.
Harrington, Eugene W., doing business as Kojene Products Co., Buffalo, N. Y. Antiseptic, germicide, deodorant, and disinfectant. 188,512; Aug. 26; Serial No. 195,960; published June 10, 1924.
Hartford, Edward V., Inc., Jersey City, N. J. Antivibration devices or shock absorbers or spring controllers. 188,573; Aug. 26.
Hedges, B. E., Co., Inc., Auburn, N. Y. Emery-wheel dresser. 188,339; Aug. 26; Serial No. 192,973; published June 17, 1924.
Heller, B., & Company, Chicago, Ill. Preparation used to increase the viscosity or thickness and to improve malted milk, etc. 188,319; Aug. 26; Serial No. 194,867; published June 17, 1924.
Hercules Float Works. (See Engelhard & Sons, Frank.)
Hess, Elizabeth, Oskaloosa, assignor of one-half to A. L. Fritch, Ottumwa, Iowa. Antiseptic salve. 188,427; Aug. 26; Serial No. 194,868; published May 27, 1924.
Hess, Frank, doing business as Hess Hair Milk Laboratories, St. Paul, Minn. Hair tonic and dandruff remedy. 188,445; Aug. 26; Serial No. 195,520; published June 10, 1924.

Hillman's, Chicago, Ill. Canned fruits and vegetables, salads, and fruit preserves. 188,376; Aug. 26; Serial No. 183,572; published June 17, 1924.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 188,336; Aug. 26; Serial No. 195,745; published June 17, 1924.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 188,364; Aug. 26; Serial No. 196,302; published June 17, 1924.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 188,366; Aug. 26; Serial No. 196,306; published June 17, 1924.
Hugel, Ernst, Washington, D. C. Livestock powder and animal food. 188,451; Aug. 26; Serial No. 195,688; published June 10, 1924.
Hughes, Michael O., Denver, Colo. Preparation for blood and liver diseases and rheumatism. 188,459; Aug. 26; Serial No. 193,044; published June 10, 1924.
Indian Hill Citrus Association. (See Claremont California Fruit Growers Assoc., assignor.)
Industrial Lock-Nut Co., Worcester, Mass. Lock nuts. 188,350; Aug. 26; Serial No. 194,062; published June 17, 1924.
Inecto, Inc., New York, N. Y. Hair dye. 188,452; Aug. 26; Serial No. 195,690; published June 10, 1924.
Italian Cheese Co. (See Corrao, Antonio.)
Johnson, J. Oliver, Inc., Chicago, Ill. Sheep, poultry, and cattle manure. 188,352; Aug. 26; Serial No. 194,355; published June 17, 1924.
Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Face powders and creams, perfumes, toilet waters, etc. 188,396; Aug. 26; Serial No. 163,988; published June 10, 1924.
Katz & Ogush, Inc., New York, N. Y. Platinum, gold, and silver and combinations of these and other precious metals. 188,335; Aug. 26; Serial No. 195,691; published June 17, 1924.
Kaye, Harry, doing business as Harry Kaye, Perfumer, New York, N. Y. Face powders, face creams, toilet waters, rouges, etc. 188,472; Aug. 26; Serial No. 196,023; published June 10, 1924.
Kaye, Harry, doing business as Harry Kaye, Perfumer, New York, N. Y. Face powders and creams, toilet waters, rouges, etc. 188,503; Aug. 26; Serial No. 194,803; published May 27, 1924.
Kemp & Lane, Inc. (See Woodward, Orator F., assignor.)
Kestenbaum, Jacob, doing business as Kestenbaum Bros., New York, N. Y. Dyed rabbit skins. 188,542; Aug. 26; Serial No. 181,998; published June 10, 1924.
Kibbe Brothers Co., Springfield, Mass. Candy. 188,373; Aug. 26; Serial No. 196,508; published June 17, 1924.
King Candy Co., Fort Worth, Tex. Candy. 188,338; Aug. 26; Serial No. 192,844; published June 17, 1924.
Kleinschmidt, Leila L., doing business as Pulmout Salve Co., Corder, Mo. Salve for the treatment of boils, etc. 188,513; Aug. 26; Serial No. 195,964; published June 10, 1924.
Kojene Products Co. (See Harrington, Eugene W.)
Kroyer, Grace M., doing business as Motor Meals Company, Los Angeles, Calif. Canned cooked mixed food. 188,393; Aug. 26; Serial No. 192,181; published June 3, 1924.
Lawrence, A. C., Leather Company, Boston, Mass. Leather. 188,407; Aug. 26; Serial No. 191,544; published June 10, 1924.
Leads All Mfg. Co., Brooklyn, N. Y. Polish. 188,568; Aug. 26.
Leahy, George F., Syracuse, N. Y. Preparation for the relief of chronic and acute neuritis. 188,422; Aug. 26; Serial No. 194,357; published June 10, 1924.
Lebers, Ernest, New York, N. Y. Eggs, butter, and cheese. 188,524; Aug. 26; Serial No. 194,718; published June 17, 1924.
Lecaron Fils, doing business as Gellé Freres, Paris, France. Perfume, toilet water, face powder, etc. 188,412; Aug. 26; Serial No. 192,772; published June 3, 1924.
Lehn and Fink, Inc., New York, N. Y. Talcum powder. 188,450; Aug. 26; Serial No. 195,581; published June 10, 1924.
Lentheric, Inc., New York, N. Y. Perfume. 188,504; Aug. 26; Serial No. 194,806; published May 27, 1924.
Levy, Irving, doing business as Cremint Company, New York, N. Y. Candy tablets and mints, chewing-gum mints. 188,486; Aug. 26; Serial No. 175,359; published June 17, 1924.
Leys, Henriette, Paris, France. Skin cream. 188,535; Aug. 26; Serial No. 168,582; published Nov. 13, 1923.
Liberty Yeast Corporation, Baltimore, Md. Yeast. 188,389; Aug. 26; Serial No. 191,272; published June 3, 1924.
Light House Rug Co., The, Chicago, Ill. Woven fabric rugs, etc. 188,390; Aug. 26; Serial No. 191,388; published June 17, 1924.
Lilly, Eli, and Company, Indianapolis, Ind. Dental preparation for protecting dental pulp and filling root canals. 188,538; Aug. 26; Serial No. 176,558; published June 10, 1924.
Livingston Baking Company, Chicago, Ill. Bread. 188,531; Aug. 26; Serial No. 196,530; published June 17, 1924.
Lopez, Arnaud, doing business as Lopez Packing Co., Buras, La., and Biloxi, Miss. Canned shrimp. 188,382; Aug. 26; Serial No. 187,114; published June 17, 1924.
Louis, Otto F., Bay City, Mich. Preparation for auto-intoxication and high blood pressure. 188,508; Aug. 26; Serial No. 194,875; published June 10, 1924.
Ludlow Valve Manufacturing Company, Troy, N. Y. Valves and hydrants. 25,955; renewed Jan. 29, 1925.
Mactahu Co., The. (See Tate, Samuel C.)
Madison Woolen Co., Madison, Me. Woolen piece goods. 188,369–70; Aug. 26; Serial Nos. 196,533–4; published June 17, 1924.
Maginnis Cotton Mills. (See Benjamin, E. V., Co.)
Manufacturers Supplies Company, St. Louis, Mo. Threads. 188,490; Aug. 26; Serial No. 158,938; published June 17, 1924.
Marshall-Wells Company, Duluth, Minn. Varnish, paints, and finishes. 188,561; Aug. 26.
Marshall-Wells Hardware Company; Marshall-Wells Company, Duluth, Minn., successor. Hardware. 25,305; renewed Oct. 2, 1924.
Maselli, Frank A., Jeannette, Pa. Cough sirup. 188,424; Aug. 26; Serial No. 194,560; published June 10, 1924.
Mendell, Jacob, doing business as Supper-Lax Co., Brooklyn, N. Y. Laxative pills. 188,431; Aug. 26; Serial No. 195,012; published May 27, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Preparations for the treatment of tuberculosis and other infectious diseases. 188,475; Aug. 26; Serial No. 195,978; published June 10, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Preparations for treatment of spirochetal and other infectious diseases. 188,514; Aug. 26; Serial No. 195,976; published June 10, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Preparations for the treatment of spirochetal and other infectious diseases and as a diuretic. 188,515; Aug. 26; Serial No. 195,977; published June 10, 1924.
Michigan Tanning & Extract Company, Petoskey, Mich. Leather. 188,405; Aug. 26; Serial No. 190,305; published June 10, 1924.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 188,386; Aug. 26; Serial No. 188,691; published Jan. 15, 1924.
Mizzy-Inc., New York, N. Y. Dental supplies. 188,391; Aug. 26; Serial No. 191,498; published June 17, 1924.
Moor, W. C., doing business as W. C. Moor Company, Fort Worth, Tex. Lubricant. 188,566; Aug. 26.
Moto-Gas Machine Co., Minneapolis, Minn. Machines for producing gas from gasoline. 188,540; Aug. 26; Serial No. 179,309; published June 10, 1924.
Motor Meals Company. (See Kroyer, Grace M.)
Mountain City Mill Co. Inc., Chattanooga, Tenn. Flour. 188,519; Aug. 26; Serial No. 183,224; published June 10, 1924.
Murray, Edward J., Chicago, Ill. Electrotherapeutic apparatus. 188,479; Aug. 26; Serial No. 179,051; published June 17, 1924.
National Orange Beverage Company, The, Washington, D. C. Beverage sold as a soft drink. 188,556; Aug. 26.
Near East Relief, Washington, D. C. Cotton, wool, silk, linen, etc., goods. 188,346; Aug. 26; Serial No. 193,944; published June 10, 1924.
Nebbs Ointment Co., The. (See Nebelsick, Albert B.)
Nebelsick, Albert B., doing business as The Nebbs Ointment Co., Lincoln, Nebr. Ointment for the relief of colds, headaches, burns, etc. 188,406; Aug. 26; Serial No. 191,502; published May 27, 1924.
Nelson, Gustaf A., New York, N. Y. Bleaching compound for granite, stone, etc. 188,401; Aug. 26; Serial No. 183,081; published June 10, 1924.
New System Baking Company, The, Columbus, Ohio. Bread. 188,521; Aug. 26; Serial No. 189,265; published June 17, 1924.
Nixon, Stuart & Barker, Peoria, Ill. Medicament for female disorders. 188,440; Aug. 26; Serial No. 195,236; published June 3, 1924.
Nudru Company, Bayonne, N. J. Vanishing cream, face powder, toilet lotions, etc. 188,398; Aug. 26; Serial No. 176 089; published June 3, 1924.
Oakland Baking Co., Pontiac, Mich. Bread. 188,527; Aug. 26; Serial No. 195,829; published June 10, 1924.
Owen China Company, The, Minerva, Ohio. Chinaware. 188,560; Aug. 26.
Oxford Laboratory. (See Buckley, T. Andrew.)
Panalgic Company, Cold Brook, N. Y. Preparation for relief of oral pain. 188,400; Aug. 26; Serial No. 176,500; published June 3, 1924.
Paramount Products Co. (See Graham, Frederick.)
Parfumerie Silka. (See Roussel, M.)
Paristyle Novelty Co. Inc., New York, N. Y. Hair nets. 188,358; Aug. 26; Serial No. 195,905; published June 17, 1924.
Peabody Coal Company, Chicago, Ill. Coal. 188,544; Aug. 26; Serial No. 185,876; published Feb. 19, 1924.
Peckes, William J., doing business as The Wm. J. Peckes Manufacturing Company, Dormont, Pittsburgh, Pa. Cigarette and tobacco boxes. 188,395; Aug. 26; Serial No. 192,494; published June 17, 1924.
Peebles', Joseph R., Sons, The, Cincinnati, Ohio. Cured meats. 25,425; renewed Oct. 30, 1924.
Pennsylvania Pulverizing Company, Lewistown, Pa. Feldspar. 188,418; Aug. 26; Serial No. 194,297; published May 27, 1924.

Pennsylvania Pulverizing Company, Lewistown, Pa. Feldspar. 188,419; Aug. 26; Serial No. 194,300; published May 27, 1924.
Pennsylvania Pulverizing Company, Lewistown, Pa. Silica. 188,500; Aug. 26; Serial No. 194,289; published May 27, 1924.
Pennsylvania Pulverizing Company, Lewistown, Pa. Silica. 188,501; Aug. 26; Serial No. 194,296; published May 27, 1924.
Person, Oliver O., doing business as Mixed Infection Oil Company, Wisner, Nebr. Compound for treating necro bacillosis, etc. 188,549; Aug. 26; Serial No. 195,759; published June 10, 1924.
Peters Hog Serum Company, Indianapolis, Ind. Capsules containing medicines for worms in swine. 188,502; Aug. 26; Serial No. 194,372; published June 17, 1924.
Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation. 188,436; Aug. 26; Serial No. 195,125; published June 3, 1924.
Pig Tail Staple Company, San Francisco, Calif. Wire staples. 188,378; Aug. 26; Serial No. 184,754; published June 17, 1924.
Plastik Products Company, Minneapolis, Minn. Stucco. 188,563; Aug. 26.
Poms Co., The. (See Walton, Henry E.)
Porter, Lee, jr., Wichita, Kans. Ointment for skin eruptions. 188,397; Aug. 26; Serial No. 174,913; published June 3, 1924.
Pulmont Salve Co. (See Kleinschmidt, Lella L.)
Purgo Water Company, Martinsville, Ind. Medicinal mineral water. 188,461; Aug. 26; Serial No. 191,950; published June 10, 1924.
Quaker Oats Company, The, Chicago, Ill. Poultry feed. 188,553; Aug. 26; Serial No. 196,477; published June 17, 1924.
Rahn, Earl W., Newburgh Heights, Ohio. Medicinal tablets. 188,432; Aug. 26; Serial No. 195,016; published May 27, 1924.
Rapoport, Maurice, & Company, New York, N. Y. Smokers' pipes and cigarette and cigar holders. 188,328; Aug. 26; Serial No. 195,599; published June 17, 1924.
Redoute, George E., doing business as American Bleacher Products Co., Detroit, Mich. Laundry bleacher and bluing. 188,413; Aug. 26; Serial No. 193,074; published June 17, 1924.
Research Club, Inc., Chicago, Ill. Coil files, tire pumps, screw drivers, etc. 188,387; Aug. 26; Serial No. 188,930; published June 17, 1924.
Roanoke Medicine Company. (See Foster, Caney.)
Robertson, Jas. W., doing business as The Boil Remedy Company, Richmond, Va. Medicinal preparation. 188,510; Aug. 26; Serial No. 195,837; published June 10, 1924.
Rosen-Sussman Hat Corporation, New York, N. Y. Ladies' hats. 188,384; Aug. 26; Serial No. 187,695; published May 27, 1924.
Roussel, M., doing business as Perfumerie Silka, Paris, France. Perfumes, toilet waters, face powders, etc. 188,550; Aug. 26; Serial No. 195,775; published June 10, 1924.
Russian Food Products Company, Inc., The, New York, N. Y. Canned caviar. 188,572; Aug. 26.
Rylands Brothers, Limited, Warrington, England. Iron, steel, and lead manufactures. 25,436; renewed Oct. 30, 1924.
Salta Knitting Mills, Inc., New York, N. Y. Knitted goods made of silk, wool, cotton, or mixtures of same. 188,337; Aug. 26; Serial No. 192,795; published June 17, 1924.
Savage Chemical & Research Laboratories, Seattle, Wash. Medicine. 188,410; Aug. 26; Serial No. 192,273; published May 27, 1924.
Savannah Medicine Company. (See Williams, Lehman W.)
Scheel, William H., New York, N. Y. Compositions of clay, pulp, and resinous gum. 188,409; Aug. 26; Serial No. 191,984; published June 10, 1924.
Schieffelin & Company, New York, N. Y. Denatured alcohol. 188,415; Aug. 26; Serial No. 193,786; published May 27, 1924.
Schmachtenberg Bros.; Schmachtenberg Bros. Inc., New York, N. Y., successors. Pocketknives. 25,037; renewed July 24, 1924.
Schoen & Yondorf Co. Inc., New York, N. Y. Dolls. 188,320; Aug. 26; Serial No. 194,879; published June 17, 1924.
Schwannecke, F. A., Inc., New York, N. Y. Lip and face rouge. 188,433; Aug. 26; Serial No. 195,021; published May 27, 1924.
Schweiz. Serum- & Impfinstitut, Bern, Berne, Switzerland. Antispasmodics. 188,548; Aug. 26; Serial No. 188,973; published June 10, 1924.
Scott, William J., doing business as Scott's Laboratories, Chicago, Ill. Toilet preparations. 188,468; Aug. 26; Serial No. 196,078; published June 17, 1924.
Selboral Laboratories. (See Doran, George F.)
Shadbolt & Boyd Iron Co., Milwaukee, Wis. Bar iron. 25,697; renewed Dec. 18, 1924.
Shaw, John W., Robbinsdale, Minn. Polisher and refinisher to be used on automobiles. 188,567; Aug. 26.
Shinn-Holtz-Lyon Company, Los Angeles, Calif. Bathtubs, sinks, closet combinations, ball cocks, etc. 188,377; Aug. 26; Serial No. 183,673; published June 17, 1924.
Shoemaker, Joseph A., Bennington, Vt. Garment hangers. 188,533; Aug. 26; Serial No. 157,640; published Mar. 27, 1923.
Sibley, Philip J., Chicago, Ill. Foot tubs and vapor-treatment foot tubs. 188,351; Aug. 26; Serial No. 194,219; published June 17, 1924.
Skelton, Jesse L., doing business as Skelton's Bakery, Johnson City, Tenn. Bread, rolls, and cakes. 188,523; Aug. 26; Serial No. 194,572; published June 10, 1924.
Sload, George I., doing business as Attaboy Company, Parkerford, Pa. Beverage sold as a soft drink. 188,322; Aug. 26; Serial No. 195,135; published June 17, 1924.
Smith, Howard S., doing business as Warsaw Milling and Grain Company, Warsaw, Ind. Self-rising buckwheat flour. 188,545; Aug. 26; Serial No. 186,088; published Jan. 29, 1924.
Societe Anonyme Louis Brandt & Frere Omega Watch Co. (See Brandt, Louis, & Frère.)
Spooner Inc., New York, N. Y. Face powders. 188,562; Aug. 26.
Stanley Works, The, New Britain, Conn. Screen and storm-sash hangers. 188,329; Aug. 26; Serial No. 195,602; published June 17, 1924.
Stripes Citrus Packing Co., Fort Myers, Fla. Fresh citrous fruits. 188,321; Aug. 26; Serial No. 195,026; published June 17, 1924.
Sulco Company. (See Sultzbach, Maurice.)
Sullivan Machinery Company, Boston, Mass., and Chicago, Ill. Compression and vacuum-pump valves. 188,340; Aug. 26; Serial No. 193,193; published June 17, 1924.
Sultzbach, Maurice, doing business as Sulco Company, West Haven, Conn. Liquid insecticide, rodent exterminator, etc. 188,441; Aug. 26; Serial No. 195,244; published June 3, 1924.
Suomen Osuuskauppojen Keskuskunta r. l., Helsinki, Finland. Safety matches. 188,481; Aug. 26; Serial No. 177,927; published June 17, 1924.
Super-Ear Corporation, New York, N. Y. Audiphones. 188,349; Aug. 26; Serial No. 194,028; published June 17, 1924.
Supper-Lax Co. (See Mendell, Jacob.)
Swift Specific Co., The, Atlanta, Ga. Medicinal preparation for the treatment of the blood. 188,546; Aug. 26; Serial No. 186,681; published June 3, 1924.
Sylvan Toilet Co., assignor to A. F. Wood, Detroit, Mich. Hairdressing. 24,184; renewed Feb. 6, 1924.
Tate, Samuel C., doing business as The Mactahu Co., Caroleen, N. C. Medicine for colds, etc. 188,467; Aug. 26; Serial No. 196,083; published June 17, 1924.
Taylor, Halsey W., Company, The, Warren, Ohio. Drinking fountains, fountain heads, etc. 188,341; Aug. 26; Serial No. 193,519; published June 17, 1924.
Thall, David, Manchester, N. H. Medicinal sirups, tonics, ointments, liniments, etc. 188,498; Aug. 26; Serial No. 194,141; published June 17, 1924.
Tin Decorating Company of Baltimore, The. (See Johnson, William H., assignor.)
Tomnel et Fils, Cold Spring Harbor, N. Y. Deodorant. 188,505; Aug. 26; Serial No. 194,825; published May 27, 1924.
Tonocrine Co. Inc., New York, N. Y. Medicinal preparation. 188,506; Aug. 26; Serial No. 194,826; published May 27, 1924.
Treichlinger Brokerage Co., St. Louis, Mo. Crushed and ground oyster shells for poultry and other uses. 188,417; Aug. 26; Serial No. 193,971; published May 27, 1924.
Trenton Milling Company, Trenton, Ill. Self-rising wheat flour. 188,529; Aug. 26; Serial No. 196,413; published June 17, 1924.
Tubular Rivet & Stud Company, Boston, Mass. Tubular rivets. 188,392; Aug. 26; Serial No. 191,926; published June 17, 1924.
Tyrer, Thomas, & Co., assignor to Thomas Tyrer & Company, Limited, Stratford and London, England. Manufactured and prepared drugs and chemicals. 25,895; renewed Jan. 22, 1925.
Ucazone Laboratories. (See Coyne, Ella R.)
Union Bag & Paper Co., Chicago, Ill., assignor to Union Bag & Paper Corporation, Jersey City, N. J. Paper bags. 25,860; renewed Jan. 15, 1925.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Insecticides. 188,507; Aug. 26; Serial No. 194,827; published May 27, 1924.
United States Tire Company, New York, N. Y. Rubber tires. 188,555; Aug. 26.
Universal Remedies Co., San Francisco, Calif. Eye lotion. 188,552; Aug. 26; Serial No. 195,995; published June 10, 1924.
Ursus Medical Company, Philadelphia, Pa. Medicine for rheumatism. 188,446; Aug. 26; Serial No. 195,554; published June 10, 1924.
Valk, Philip, New York, N. Y. Horse meat, horse-meat sausages and bologna, and horse meat in cans. 188,517; Aug. 26; Serial No. 176,515; published June 17, 1924.
Van Dyk, James, Co., New York, N. Y. Food products. 188,489; Aug. 26; Serial No. 168,565; published Sept. 25, 1923.
Vavasseur, J. H., & Company, Limited. (See Cone, Frederick H., assignor.)

Vendol Company, The, Baltimore, Md. Vegetable system tonic. 188,509; Aug. 26; Serial No. 195,029; published June 10, 1924.
Venice Packing Co. (See Braadland, John, Ltd.)
Voss & Stern, Inc., New York, N. Y. Cotton piece goods. 188,388; Aug. 26; Serial No. 187,596; published June 17, 1924.
Wagner, Martin, Company, East Brooklyn, Baltimore, Md. Canned pork and beans. 188,478; Aug. 26; Serial No. 181,794; published June 17, 1924.
Walton, Henry E., doing business as The Poms Co., Sarasota and Clearwater, Fla. Canned grapefruit. 188,374; Aug. 26; Serial No. 196,632; published June 17, 1924.
Ward Baking Company, New York, N. Y. Cakes and doughnuts. 188,520; Aug. 26; Serial No. 185,194; published June 17, 1924.
Ward Baking Company, New York, N. Y. Bread. 188,526; Aug. 26; Serial No. 195,787; published June 17, 1924.
Warsaw Milling and Grain Company. (See Smith, Howard S.)
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 188,330–1; Aug. 26; Serial No. 195,606–7; published June 17, 1924.
Weeden & Kremp, Chicago, Ill. Hair dresser or tonic. 188,464; Aug. 26; Serial No. 190,022; published June 3, 1924.
Weinstock, Natt, New York, N. Y. Dressed skins. 188,497; Aug. 26; Serial No. 194,037; published June 10, 1924.
Welk, Frank J., Royal Oak, Mich. Compound for rheumatism, inflammation, etc. 188,442; Aug. 26; Serial No. 195,249; published June 3, 1924.
White, George S., Los Angeles, Calif. Electric-current modulators and generators. 188,379; Aug. 26; Serial No. 185,274; published June 17, 1924.
Wilkes-Barre Choc. Co., Wilkes-Barre, Pa. Chocolates and candies. 188,494; Aug. 26; Serial No. 142,863; published Feb. 27, 1923.
Williams, Lehman W., doing business as Savannah Medicine Company, Savannah, Ga. Medicinal preparation for the treatment of the liver. 188,416; Aug. 26; Serial No. 193,875; published June 3, 1924.
Willimantic Linen Company, The, Hartford, Conn., assignor to The American Thread Company, New York, N. Y. Spool cotton. 25,626; renewed Dec. 11, 1924.
Willimantic Linen Company, The, Hartford, Conn., assignor to The American Thread Company, New York, N. Y. Spool cotton. 25,632–3; renewed Dec. 11, 1924.
Wilson Flour Mills, The. (See Colorado Milling & Elevator Co., The.)
Wilson, J. J. & W., Limited, Kendal, England. Wool goods including shawls, aprons, horse clothing, and saddlery goods. 25,913; renewed Jan. 22, 1925.
Winthrop Chemical Company, Inc., New York, N. Y. Diuretic and antisyphilitic medicines. 188,420; Aug. 26; Serial No. 194,320; published June 10, 1924.
Wise, W. G., Fruit Chocolate Company, Oakland, Calif. Fruit candy chocolate coated. 188,569; Aug. 26.
Wish, Fred A., Incorporated, New York, N. Y. Talcum powder, cough sirup, and laxative tablets. 188,460; Aug. 26; Serial No. 193,013; published June 3, 1924.
Wood, Albert F. (See Sylvan Toilet Co., assignor.)
Woodward, Orator F., assignor to Kemp & Lane, Inc., Le Roy, N. Y. Medicines. 25,939; renewed Jan. 29, 1925.
Wright, Alfred, Perfumer, Inc., New York, N. Y. Liquid perfume and sachet powders. 188,428; Aug. 26; Serial No. 194,967; published May 27, 1924.
York Mfg. Co., Saco, Me., and Boston, Mass. Cotton piece goods. 188,388; Aug. 26; Serial No. 189,087; published June 17, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Berkhall, Andrew, Lakewood, Ohio. Joyously Harnessed With A Power From The Deep. For Cod-Liver-Oil Compound. 27,754; Aug. 26.
California Almond Confections Company. (See Prentiss, William, jr.)
California Olive Growers, Inc., Fresno, Calif. Sun-Ripe. For Canned Olives. 27,755; Aug. 26.
Colonial Food Products Co. (See Santilli, Ettore.)
Eagle Packing Co., The, Los Angeles, Calif. Victor. For Cantaloupes. 27,756; Aug. 26.
Frankel, B., Co., Inc., The, New York, N. Y. Bob O Net. For a Hair-Net Envelope. 27,757; Aug. 26.
Garnier, Charles, doing business as Garnier Cigar Company, Livingston, Mont. Montana Sport. For Cigars. 27,758; Aug. 26.
Goldstaub, John H., Portland, Oreg. Jiffy. For Liquid Polish. 27,759; Aug. 26.
Grady Mfg. Co., The, Long Island City, N. Y. Black Velvet Metal Polish. For Metal Polishes. 27,760; Aug. 26.
Hagenbaugh, William L., doing business as Master Lubricants Company, Los Angeles, Calif. Master. For Motor Oils and Greases. 27,761; Aug. 26.
Loveless, S. E., Inc., Philadelphia, Pa. Check Bread. For Bread. 27,762; Aug. 26.
Master Lubricants Company. (See Hagenbaugh, William L.)
Milwaukee Paper Box Company, Milwaukee, Wis. Fine Chocolates. For Boxes Containing Candy. 27,763; Aug. 26.
Patrick, Frank E., San Francisco, Calif. Patrick's Briten-Up Glass Polish. For Bottles Containing Glass Polish. 27,764; Aug. 26.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. All Sweet Toasted Almonds from California. For Toasted Almonds. 27,765; Aug. 26.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. This package contains 30 10-cent tins of All Sweet California Almonds. For Almond Meats. 27,766; Aug. 26.
Pure Silk Hosiery Mills, Inc., Chicago, Ill. School Day Special. For Hosiery. 27,767; Aug. 26.
S. & S. Water Company, Philadelphia, Pa. S & S. For Ginger Ale. 27,768; Aug. 26.
Sanlwax Paper Co., Kalamazoo, Mich. Tootsie Ann. For Bread. 27,769; Aug. 26.
Santilli, Ettore, doing business as Colonial Food Products Co., Uniontown, Pa. Colonial Malt Extract. For Malt Sirup. 27,770; Aug. 26.
Sawler, William D., Chicago, Ill. Honey-Kist. For Candy. 27,771; Aug. 26.
Silver King Mineral Water Company, Inc., New York, N. Y. Silver King Ginger Ale. For Ginger Ale. 27,772; Aug. 26.
Tivoli Extract Company, The, Detroit, Mich. Tivoli Extract. For Malt Extract. 27,773; Aug. 26.
Tuttle, R. M., doing business as R. M. Tuttle Pop Corn Company, Spencer, Iowa. Flaky-Burst Japanese Hull-Less Pop Corn. For Pop Corn. 27,774; Aug. 26.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Aeolian Company, The, Meriden, Conn., and New York, N. Y. The Duo-Art Reproducing Piano is music. For Musical Instruments, Including Automatic Musical Instruments. 7,569; Aug. 26.
American Lead Pencil Company, New York, N. Y. Paradise Colored Pencils C52. For Pencils. 7,570; Aug. 26.
Colman, J. & J., assignor to J. & J. Colman Ltd., London, England. Colman's Mustard all Over the world. For Mustard. 26; renewed Sept. 22, 1924.
Cream of Wheat Co., Minneapolis, Minn. The Makings Of A Man. For Wheat Breakfast Food. 7,571; Aug. 26.
Enterprise Manufacturing Company, The, Akron, Ohio. Pflueger's' Fishing Tackle. For Fishing Tackle. 7,572; Aug. 26.
Jell-O Company, Inc., The, Le Roy, N. Y. Jell-O Plum Pudding. For Jell-O, a Dessert Preparation. 7,573; Aug. 26.
Jell-O Company, Inc., The, Le Roy, N. Y. Little Red Riding Hood. For Jell-O, a Dessert Preparation. 7,574; Aug. 26.
Racine Horseshoe Tire Company, The, Racine, Wis. You'll Have Better Luck With Horseshoes. For Tires. 7,575; Aug. 26.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Cracker Co., Chicago, Ill. Crackers and cake. 189,543; Aug. 26.
Advance Appliance Company, The, Waterloo, Iowa. Cabinets. 197,526; Aug. 26.
Albert, Max, Cedar Rapids, Iowa. Chemicals for cleansing and softening water. 198,043; Aug. 26.
Alberti Brothers, Los Angeles, Calif. Grapes. 199,515; Aug. 26.
Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 195,730; Aug. 26.
Ambassador Sales Company. (See Sattels, Joseph T.)
American Indian Products Co. (See Turner, John M.)
American Laboratories Incorporated, Richmond, Va. Insecticides, deodorants, and disinfectants. 198,695; Aug. 26.
American Metal Cap Co., Brooklyn, N. Y. Metal caps and closures. 199,203; Aug. 26.
American Metal Polish Co., Somerville, Mass. Metal polish. 183,900; Aug. 26.
Arden, Elizabeth. (See Lewis, Florence N.)
Arentsen, A. W., & Co., Chicago, Ill. Linen and cotton piece goods. 197,408; Aug. 26.
Arlt, Anna H., Brooklyn, N. Y. Rouge. 199,453; Aug. 26.
Armstrong-Kilbourne, Inc., Minneapolis, Minn. Title of a monthly publication. 198,279; Aug. 26.
Arrow Electric Company, The, Hartford, Conn. Luminous pendants and buttons. 198,046; Aug. 26.
Asbestos & Electrical Fittings Co. Ltd., The, London, England. Composition of asbestos for use for electrical insulation. 196,949; Aug. 26.
Automatic Coil Winder and Electrical Equipment Company Limited, London, England. Combined instrument for measuring electrical current pressure and resistances. 199,030; Aug. 26.
Badeker Manufacturing Company, Chicago, Ill. Lubricating-oil cups, locomotive bell ringers, and rotary pumps. 195,206; Aug. 26.
Bagby Furniture Company, The, doing business as The Standard Furniture Manufacturing Company, Baltimore, Md. Bureaus, tables, bedsteads, etc. 180,737; Aug. 26.
Barbasol Company, The, Indianapolis, Ind. Toilet powder. 199,454; Aug. 26.
Barber Asphalt Company, The, Philadelphia, Pa. Mineral rubber. 198,503; Aug. 26.
Barber Asphalt Company, The, Philadelphia, Pa. Mineral rubber. 198,779; Aug. 26.
Barber, Robert B., doing business as Sy-Po Chemical Company, Baltimore, Md. Preparation for rheumatism, lumbago, sprains, etc. 198,501; Aug. 26.
Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 198,356; Aug. 26.
Battery Equipment & Supply Co., Chicago, Ill. Terminal connecter reamers, separator knives, lead files, etc. 160,581; Aug. 26.
Bay City Milling Company, Bay City, Mich. Coffee. 198,169–70; Aug. 26.
Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods made of silk. 199,602; Aug. 26.
Benjamin Electric Manufacturing Company, Chicago, Ill. Tables and juvenile tables and chairs. 182,785; Aug. 26.
Bernhardt, David, Paint Company, Ltd., New Orleans, La. Paints, varnishes, paint oils, linseed oil, turpentine. 181,720; Aug. 26.
Blair, Francis J., Kalamazoo, Mich. Sandwiches. 199,670; Aug. 26.
Blake & Stearns, Boston, Mass. Woolens and worsteds in the piece. 180,920; Aug. 26.
Blake & Stearns, Boston, Mass. Woolens and worsteds in the piece. 199,671; Aug. 26.
Blatz Products Company, Milwaukee, Wis. Malt sirup plain and hop flavored. 188,656; Aug. 26.
Blauer Goldstone Company, Chicago, Ill. Artificial pearls. 191,053; Aug. 26.
Bloom, Edward, Co. Inc., New York, N. Y. Silk and wool piece goods. 199,875; Aug. 26.
Bond, Charles, Company, Philadelphia, Pa. Leather belting. 180,414; Aug. 26.
Bonita Co., The, Fond du Lac, Wis. Candy. 189,097; Aug. 26.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,523; Aug. 26.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,525; Aug. 26.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton piece goods. 199,526; Aug. 26.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,528; Aug. 26.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,530; Aug. 26.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,532–5; Aug. 26.
Bridgeman-Russell Company, Duluth, Minn. Ice cream. 198,397; Aug. 26.
California Almond Growers Exchange, San Francisco, Calif. Publication. 192,894; Aug. 26.
Carolina Coffee Co., Charleston, S. C. Coffee. 199,675; Aug. 26.
Carpenter-Leddin Co., New York, N. Y. Cleaning and polishing soap. 195,211; Aug. 26.
Cathcart and Cathcart, Inc., Newburgh, N. Y. Medicinal compounds and pharmaceutical preparations. 198,287; Aug. 26.
Cathcart and Cathcart, Inc., Newburgh, N. Y. Pharmaceutical preparation. 198,730; Aug. 26.
Caulk, L. D., Company, The, Milford, Del. Preparation for cleaning and polishing false teeth, etc. 197,324; Aug. 26.
Charles & Co., New York, N. Y. Cocoa, coffee, tea, barley, jellies, etc. 195,154; Aug. 26.
Chemical Machinery Experiment Co. Inc., New York, N. Y. Electric-current-flow indicators. 164,491; Aug. 26.
Choco-Dulce Co. (See Flores, Fred B.)
Choco-Ice Company, Chicago, Ill. Chocolate or candy coated pastry containers for ice cream, etc. 198,617–18; Aug. 26.
Choctaw Flavor Products Co., Inc., New Orleans, La. Extract for beverage purposes. 199,275; Aug. 26.
City Exterminating Company. (See De Longe, Harry F.)
Cleveland Wheelbarrow & Manufacturing Company, The, Cleveland, Ohio. Wheelbarrows. 181,381; Aug. 26.
Clicquot Club Company, Millis, Mass. Beverage sold as a soft drink and sirup for making the same. 199,608; Aug. 26.
Cliver-Wright-Rainey Co., The, Cincinnati, Ohio. Hosiery. 198,619; Aug. 26.
Colonial Knitting Mills, Inc., Philadelphia, Pa. Hosiery. 198,620; Aug. 26.
Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio apparatus. 197,190–1; Aug. 26.
Commercial Headwear Co. Inc., New York, N. Y. Ladies', misses', and children's hats. 198,566; Aug. 26.
Consolidated Specialties Company, New Bedford, Mass. Cleaning fluid for glass. 197,867; Aug. 26.
Conway, Carle C., O. Ainslie, and T. P. Brown, cotrustees, doing business as Hallet & Davis Piano Company, Boston, Mass. Pianos and piano players, etc. 192,214; Aug. 26.
Cramer, O. P., Los Angeles, Calif. Racks, game pieces, etc., for playing Chinese dominoes. 197,064; Aug. 26.
Crawford-Austin Manufacturing Co., Waco, Tex. Tarpaulins and tents. 199,681; Aug. 26.
Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Closures for receptacles. 199,776; Aug. 26.
Culman, Frederick, doing business as Frederick Culman Co., New York, N. Y. Brandy. 198,733; Aug. 26.
Dailey, Wm. J. F., New York, N. Y. Nom de plume for newspaper and periodical writings. 198,401; Aug. 26.
Daily Trade Record Co. of N. Y., New York, N. Y. Newspaper article in box form. 197,418; Aug. 26.
Daniels, Fred, Wichita, Kans. Cleaning preparation and a cleaning compound. 185,569; Aug. 26.
Danziger-Jones, Inc., New York, N. Y. Radio receiving sets and parts thereof. 197,419; Aug. 26.
Davis, Stephan A., doing business as Davis Electric Co., Springfield, Ohio. Couplers for circuits of wireless receiving apparatus. 198,990; Aug. 26.
Deal Electric Co. Inc., New York, N. Y. Christmas-tree-lighting outfits, B batteries, flash-light batteries, and electrical connecting plugs. 198,509–10; Aug. 26.
De Bardeleben Coal Corporation, Birmingham, Ala. Coal. 196,443; Aug. 26.
De Longe, Harry F., doing business as City Exterminating Company, Chicago, Ill. Bug exterminator. 197,262; Aug. 26.
Dependable Products Co., Cleveland, Ohio. Bread. 178,094; Aug. 26.
Dictograph Products Corporation, New York, N. Y. Radio head sets. 198,992; Aug. 26.
Dieterich, Ludwig M., New York, N. Y. Gaskets. 183,647; Aug. 26.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dietzen, Inc., New York, N. Y. Head phones, condensers, rheostats, radio loud speakers, and sets. 196,444; Aug. 26.
Dill Company, The, Norristown, Pa. Extract for the manufacture of a beverage. 199,047; Aug. 26.
Dingwall, J. Alex., jr., New York, N. Y. General lubricants and gasoline, kerosene, and naphtha. 159,246; Aug. 25.
Eline's Incorporated, Milwaukee, Wis. Chocolate candy. 198,295; Aug. 26.
Elks, Robert E., jr., Goldsboro, N. C. Pile salve. 197,327; Aug. 26.
Emerson Watch Case Co., Inc., New York, N. Y. Watch-cases. 197,018; Aug. 26.
Endicott Johnson Corporation, Endicott, N. Y. Rubber and composition soles and heels. 198,404; Aug. 26.
Fairmont Railway Motors, Inc. Fairmont, Minn. Motor cars. 193,581; Aug. 26.
Fils de R. Picard & Co., Fabrique Invicta, Invicta Manufacturing Co., La Chaux-de-Fonds, Switzerland. Watches, watch movements, watchcases, etc. 188,750; Aug. 26.
Fischer, Carl, Inc., New York, N. Y. Reeds for woodwind musical instruments. 197,067; Aug. 26.
Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires. 199,982–3; Aug. 26.
Fleenor, Callie R., Morrill, Nebr. Preparation for blackhead in turkeys. 197,198; Aug. 28.
Flores, Fred B., doing business as Choco-Dulce Co., San Antonio, Tex. Laxative. 198,797; Aug. 26.
Flossy Dental Mfg. Co., Evanston, Ill. Perfume. 199,351; Aug. 26.
Fullerton Mutual Orange Association, Fullerton, Calif. Fresh oranges. 197,874–5; Aug. 26.
Garfunkel, Benjamin J., doing business as Garvé, New York, N. Y. Hat stretcher. 195,881; Aug. 26.
Garvé. (See Garfunkel, Benjamin J.)
Georgia Mineral Products Co., The, Tate, Ga. Poultry grit. 180,696; Aug. 26.
Glasco Electric Co., St. Louis, Mo. Electrical devices, supplies, and equipment. 195,511; Aug. 26.
Goldschmidt Corporation, The, New York, N. Y. Radio apparatus. 185,180; Aug. 26.
Gorham Manufacturing Company, Providence, R. I. Sterling-silver dinner service. 196,588; Aug. 26.
Graton & Knight Manufacturing Company, The, Worcester, Mass. Leather packings. 196,384; Aug. 26.
Grayona Needlecraft Corporation, New York, N. Y. Children's dresses. 198,569; Aug. 26.
Gruenbaum, Theodore, Philadelphia, Pa. Maltless flavoring extracts, concentrates, and sirups. 197,146; Aug. 26.
Guarneri, Dominico, New York, N. Y. Olive oil. 198,800; Aug. 26.
Guggenheim, Karl, Inc., New York, N. Y. Brooches, scarfpins, and cuff buttons. 192,177; Aug. 26.
Gusmer, A., Inc., New York, N. Y. Interior coating for casks and containers, and for use in chemical industries. 192,767; Aug. 26.
Hacker Pleating Co. Inc., New York, N. Y. Tucked, corded, etc., fancy-stitched cotton, silk, wool, or worsted fabrics. 199,284; Aug. 26.
Haco-Gesellschaft A. G. Bern, Berne, Switzerland. Germicide and antiseptic preparations. 191,228; Aug. 26.
Haight, G. W., doing business as Onaola Manufacturing Company, Los Angeles, Calif. Face powder, lemon cream, motor cream, etc. 195,820; Aug. 26.
Haley-Cate-Rockwood Company, Everett, Mass. Cork sole welting. 182,905; Aug. 26.
Hallet & Davis Piano Company. (See Conway, C. C., Ainslie, and Brown, cotrustees.)
Hamberg, John, Coeur d'Alene, Idaho. Medicine for tuberculosis. 198,304; Aug. 26.
Handley, Edgar, doing business as Edgar Handley Bros., Bradford, England. Leather machine belting. 179,149; Aug. 26.
Handley Products Company, Penn Yan, N. Y. Salad dressings. 195,108; Aug. 26.
Hansen Company, The, Chicago, Ill. Electric transformers. 199,115; Aug. 26.
Hartman Furniture & Carpet Company, Chicago, Ill. Furniture magazine. 197,811; Aug. 26.
Hartman Product Co., Kansas City, Kans. Healing antiseptic germicide for treatment of pyorrhea, bleeding gums, etc. 199,699; Aug. 26.
Hathaway, C. F., & Sons, Cambridge, Mass. Bread. 177,083; Aug. 26.
Henkin, Henry, doing business as Tang Products Co., San Francisco, Calif. Face cream and hand beautifier. 193,173; Aug. 26.
Herkimer Specialties Corporation, Cold Brook, N. Y. Service wagons, tea wagons, or tea carts. 182,151; Aug. 26.
Herrick, Alfred, Manton, Calif. Salve for cuts, burns, sprains, etc. 178,040; Aug. 26.
Hewlett Brothers Company, Salt Lake City, Utah. Coffee, tea, spices, jams, etc. 200,045; Aug. 26.
Hill, A. E., Mfg. Co., Atlanta, Ga. Complete radio receiving and sending sets and instruments and parts thereof. 196,521; Aug. 26.
Hinkley, John L., doing business as KayO Manufacturing Co., Poughkeepsie, N. Y. Tar and grease remover and cleaner. 198,873; Aug. 26.
Hoff, Archie E., Los Angeles, Calif. Annual publication. 196,706; Aug. 26.
Hohner, M., Inc., New York, N. Y. Harmonicas. 198,409; Aug. 26.
Humble Oil & Refining Company, Houston, Tex. Oils and lubricating greases. 196,061; Aug. 26.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables. 193,521; Aug. 26.
Incandescent Supply Company, New York, N. Y. Gas burners, fixtures, brackets, mantles, etc. 199,624; Aug. 26.
International Motor Company, New York, N. Y. Motor trucks. 193,112; Aug. 26.
International Time Recording Company of New York, New York, N. Y. Clocks and time recorders. 196,811; Aug. 26.
Jackson, Edwin A., & Bro. Inc., New York, N. Y. Imitation fuel for stoves and grates. 174,963; Aug. 26.
Jewett Radio & Phonograph Co., Detroit, Mich. Amplifying horns for radio loud speakers. 192,619; Aug. 26.
Jordan Motor Car Company, Inc., Cleveland, Ohio. Automobiles and constructive parts thereof. 199,357; Aug. 26.
Kauffman-Norton Co., San Francisco, Calif. Gas furnaces. 182,215; Aug. 26.
KayO Manufacturing Co. (See Hinkley, John L.)
Keane, T. T., Company, Incorporated, Washington, D. C. Fresh, salt, smoked, and cured meats, pork products, and lard. 181,081; Aug. 26.
Kent & Co., Trenton, N. J. Chemical preparation for use as a carbon remover. 199,229; Aug. 26.
Kermit Products Corp., Hartford, Conn. Soap. 166,947; Aug. 26.
Kilmer, Dr., & Co., Binghamton, N. Y. Medicinal and pharmaceutical preparations. 198,808; Aug. 26.
Knight, Edward B., doing business as E. Ben Knight, Penn Yan, N. Y. Salves and oils for cuts, burns, etc. 171,579; Aug. 26.
Kodel Manufacturing Company, The, Cincinnati, Ohio. Radio receiving sets. 197,668; Aug. 26.
Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear for women. 198,576; Aug. 26.
Lectrodio Company, The, Lynn, Mass. Vacuum tubes. 195,967; Aug. 26.
Lederer, Charles, Chicago, Ill. Game. 165,797; Aug. 26.
Lehn & Fink, Inc., New York, N. Y. Tonic for the treatment of impotency. 197,947; Aug. 26.
Levy, Maurice, New York, N. Y. Powder puffs. 198,649; Aug. 26.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Emollient bath for the body. 174,463; Aug. 26.
Liberman, George, Barber Supply Co., Inc., Boston, Mass. Lotion. 195,751; Aug. 26.
Lieber, Maurice L., Philadelphia, Pa. Toilet waters, perfumes, powders, rouges, etc. 197,790; Aug. 26.
Maid-Rite Corporation, Brooklyn, N. Y. Leather, satin, and felt slippers. 188,686; Aug. 26.
Maillard, Henry, New York, N. Y. Confections. 197,546; Aug. 26.
Majestic Sales Agency, Chicago, Ill. Graphite penetrating oil. 198,147; Aug. 26.
Mapl-Flake Mills, Inc., Chicago, Ill. Breakfast cereals. 199,845; Aug. 26.
Marathon Battery Company, Wausau, Wis. Batteries and dry cells. 198,811; Aug. 26.
Marathon Company, Attleboro, Mass. Belt buckles. 178,052; Aug. 26.
Marshak Maltmolak Co., Inc., Brooklyn, N. Y. Food product. 198,464; Aug. 26.
Marshall Field & Company, Chicago, Ill. Dress trimmings in the piece. 193,913; Aug. 26.
Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 198,009; Aug. 26.
Matson, Don F., doing business as The Don F. Matson Company, Monessen, Pa. Printed cards. 194,280; Aug. 26.
Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 198,813–4; Aug. 26.
Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 198,875; Aug. 26.
Mazer-Cressman Cigar Co., The, Philadelphia, Pa. Cigars. 198,952; Aug. 26.
McAnerney, Joseph A., Company, New York, N. Y. Electric vacuum cleaners, including parts thereof and repair parts. 191,179; Aug. 26.
McCutcheon, T. P., & Bro., Incorporated, Philadelphia, Pa. Hosiery and necktles. 198,718; Aug. 26.
McDonald, J. G., Chocolate Company, Salt Lake City, Utah. Candy. 199,378; Aug. 26.
Meyer, N. S., Inc., New York, N. Y. Buttons, metal insignia and ornaments: Army and Navy equipment. 193,344; Aug. 26.
Moore & Evans, Chicago, Ill. Publication. 198,531; Aug. 26.
Moore, William E., doing business as Moore Laboratories, Chicago, Ill. Hair tonic. 199,712; Aug. 26.

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Mundet, L., & Son, Inc., Brooklyn, N. Y. Bottle corks and caps and cork bulletin boards. 199,950; Aug. 26.
Naamlooze Vennootschap Hollandsche Kunstzijde Industrie, Emer, Breda, Netherlands. Artificial-silk thread and yarn. 195,409; Aug. 26.
National Grocer Company, Detroit, Mich. Cigars. 188,423; Aug. 26.
New Haven Clock Co., The, New Haven, Conn. Watches. 197,037; Aug. 26.
Newmark Brothers, Los Angeles, Calif. Lemon and vanilla extracts. 190,425; Aug. 26.
Nichols Mfg. Co., The, Bridgeport, Conn. Puffed elastic. 198,467; Aug. 26.
Northern Illinois Cereal Company, Chicago, Ill. Rolled oats. 197,828; Aug. 26.
Northrup, King & Co., Minneapolis, Minn. Lawn-grass seed. 199,382; Aug. 26.
Odol Corporation, The, New York, N. Y. Tablets. 198,957; Aug. 26.
Olympia Canning Company, Olympia, Wash. Canned berries and fruit. 199,714; Aug. 26.
Onaola Manufacturing Company. (See Haight, G. W.)
Orange Crush Company, Chicago, Ill. Food and ice-cream flavors. 176,498; Aug. 26.
Pabst, Edmund F., doing business as Pabst Chemical Company, Chicago, Ill. Medicine (serum) for diseases of the eye. 199,385; Aug. 26.
Parfumerie Silka. (See Roussel, M.)
Pennsylvania Pulverizing Company, Lewistown, Pa. Feldspar. 194,294; Aug. 26.
Pennzoil Company of California, Los Angeles, Calif. Lubricants. 188,061; Aug. 26.
Perretta, Rocco & Co., Utica, N. Y. Macaroni and other alimentary pastes. 198,884; Aug. 26.
Petroleum Publishing Company, Tulsa, Okla. Weekly publication. 197,044; Aug. 26.
Pope, Cletus H., doing business as The Pope Drug Company, Jefferson City, Mo. Foot and talcum powders, cold cream, shampoo, etc. 197,497; Aug. 26.
Provost, Armand J., doing business as Qualité Service Co., Providence, R. I. Face powders and creams, hair tonics and oils, etc. 199,020; Aug. 26.
Purvis, Rachel, Montclair, N. J. Reducing jelly. 192,582; Aug. 26.
Qualité Service Co. (See Provost, Armand J.)
R & G Corset Company, Inc., New York, N. Y. Corsets. 198,250; Aug. 26.
R-K Shield Co., Chicago, Ill. Dress shields. 198,478; Aug. 26.
Rehfuss & Anderson, Philadelphia, Pa. Contact insecticide. 196,981–2; Aug. 26.
Remiller Co., The, New York, N. Y. Face powder. 178,672; Aug. 26.
Rindsberger Manufacturing Corporation, Chicago, Ill. Lamp shades. 194,569; Aug. 26.
Roberts Cone Manufacturing Company, St. Joseph, Mo. Ice-cream cones. 198,680; Aug. 26.
Roberts, Homer C., Sioux City, Iowa. Essential inorganic food mineral combinations triturated in milk sugar. 195,191; Aug. 26.
Rogers Gasoline Company, Uniontown, Pa. Gasoline, kerosene, lubricating oils and greases. 192,733; Aug. 26.
Roos, Benjamin, doing business as B. Roos & Co., Berlin, Germany. Chemicals for industrial purposes. 191,143; Aug. 26.
Rosenbaum, Isaac, New York, N. Y. Razors, shears, scissors, pocketknives, and butcher knives. 194,622; Aug. 26.
Roth, Ernst S., Co., Inc., New York, N. Y. Violins, violas, violoncellos, bass violas, etc. 197,171; Aug. 26.
Roussel, M., doing business as Parfumerie Silka, Paris, France. Perfumes, toilet waters, face powders, etc. 195,776; Aug. 26.
Ruma-Kil Chemical Company, Atlanta, Ga. Preparation for the treatment of rheumatism, neuralgia, neuritis, etc. 199,393; Aug. 26.
Rumble, Chas. B., doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif. Peaches, apricots, melons. 197,835; Aug. 26.
Rybak, Felix, doing business as Rybak Chemical Co., Brooklyn, N. Y. Medicine for constipation, etc. 198,381; Aug. 26.
Sattels, Joseph T., doing business as Ambassador Sales Company, New York, N. Y. Radio receiving sets and parts therefor, phones, etc. 196,714; Aug. 26.
Sauer, J. P., & Sohn, Suhl, Germany. Shotguns, rifles, and pistols and parts thereof. 192,928; Aug. 26.
Schayer, Morris, doing business as The Schayer Wall Paper & Painting Company, Denver, Colo. Plastic coating for wall board, pulpboard, millboard, etc. 193,129; Aug. 26.
Scheyer & Co., Chicago, Ill. Men's suits and overcoats and women's overcoats. 198,683; Aug. 26.
Schilling-Collison Company, The, Los Angeles, Calif. Lubricating oils. 187,644; Aug. 26.
Scholl Manufacturing Company, Inc., Chicago, Ill. Soap. 199,248; Aug. 26.
Schultz-Rosky-Block Co., Chicago, Ill. Knitted underwear, sweater coats, bathing suits, etc. 198,684; Aug. 26.
Scott, Henry L., & Company, Providence, R. I. Machine for testing the strength or stretch of materials. 199,954; Aug. 26.
Simplex Wire & Cable Company, Boston, Mass. Wire for electrical use, conducting wire, and insulating coverings for same. 198,589; Aug. 26.
Simson & Frey, Inc., New York, N. Y. Violins, violas, bass violas, etc. 197,222; Aug. 26.
Simson & Frey, Inc., New York, N. Y. Air musical instruments. 198,090; Aug. 26.
Sonora Phonograph Company, Inc., New York, N. Y. Wireless apparatus and devices. 161,866; Aug. 26.
Standard Furniture Manufacturing Company, The. (See Bagby Furniture Company.)
Stewart Manufacturing Coporation, Chicago, Ill. Metal packing rings. 199,957; Aug. 26.
Strauss & Blum, Inc., New York, N. Y. Electrical soldering irons, electric bells, sockets, and motors. 178,881; Aug. 26.
Sunset Paint Company, Los Angeles, Calif. House paint, roof paints, paint thinners, etc. 193,637; Aug. 26.
Sweers, Riley, doing business as Riley Sweers Company, Toledo, Ohio. Clothespins. 197,178; Aug. 26.
Swift and Company, Chicago, Ill. Soap. 192,284; Aug. 26.
Sy-Po Chemical Company. (See Barber, Robert B.)
Tam-Bon Products Company, Providence, R. I. Cough sirup. 196,942; Aug. 26.
Tang Products Co. (See Henkin, Henry.)
Thab Laboratories, Sheffield, Iowa. Medicinal preparation for dysmenorrhea. 197,968; Aug. 26.
Thompson Germicidal Sterilizer Co. Inc., Los Angeles, Calif. Tootabrush-disinfecting solutions. 197,631; Aug. 26.
Tingue, Brown & Co., New York, N. Y. Laundry nets. 182,077–8; Aug. 26.
Tip-Top Bottling Company, St. Louis, Mo. Topping for ice-cream confections and for fancy drinks. 196,991; Aug. 26.
Trippe, Barker & Co., New York, N. Y. Cotton piece goods. 199,588; Aug. 26.
Turner, John M., doing business as American Indian Products Co., Los Angeles, Calif. Hair tonic. 191,241; Aug. 26.
Tweedite Manufacturing Co., Portsmouth, Va. Chemical preparation for use as a carbon remover. 198,974; Aug. 26.
Underwood-Talmage Co., The, Dayton, Ohio. Candy. 199,406; Aug. 26.
Underwood-Talmage Co., The, Dayton, Ohio. Candy. 199,441; Aug. 26.
United Chemical Companies, Kansas City, Mo. Cleanser for walls, leather, machinery, etc. 191,514; Aug. 26.
Vicenzi, Massimiliano, New York, N. Y. Laxative and bowel corrective preparations. 191,859; Aug. 26.
Vilas, Fred L., Pierre, S. Dak. Candy. 197,521; Aug. 26.
Virginia Baking Co. Inc., Richmond, Va. Candy. 199,443; Aug. 26.
Walla Walla Candy Company, Walla Walla, Wash. Candies. 173,945; Aug. 26.
Wanamaker, John, New York, New York, N. Y. Ladies' and misses' suits. 179,837; Aug. 26.
Ward, Ralph D., New York, N. Y. Electric delivery and passenger vehicles. 195,665; Aug. 26.
Watkins, J. R., Co., The, Winona, Minn. Face powders, face creams, perfumes, etc. 199,444; Aug. 26.
Westbrook, D. C., Rover and Griffin, Ga. Fresh peaches. 197,643; Aug. 26.
West Disinfecting Company, New York, N. Y. Insecticides. 196,995; Aug. 26.
Western Grocer Company, Marshalltown, Iowa. Sugar, fresh potatoes, canned apples, salted peanuts, etc. 198,692; Aug. 26.
Wheal Jewell and Marytavy Mines, Limited, The, Glasgow, Scotland. Arsenic and arsenical compounds. 197,788; Aug. 26.
Whirlpool Products Inc., Philadelphia, Pa. Cleanser for general washing purposes. 197,574; Aug. 26.
Willer, Sam, Human Hair Goods Co., The, doing business as Wonda Made Products Co., Shreveport, La. Face powder, toilet water, cold cream, etc. 197,310; Aug. 26.
Wonda Made Products Co. (See Willer, Sam, Human Hair Goods Co.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Chicago Coal Merchants Association. 188,537; Aug. 26; Serial No. 174,766; published May 27, 1924.
Coal. Geo. E. Dunn Coal Co. 188,522; Aug. 26; Serial No. 192,820; published May 6, 1924.
Coal. Peabody Coal Company. 188,544; Aug. 26; Serial No. 185,876; published Feb. 19, 1924.
Compositions of clay, pulp, and resinous gum. W. H. Scheel. 188,409; Aug. 26; Serial No. 191,984; published June 10, 1924.
Feldspar. Pennsylvania Pulverizing Company. 188,418; Aug. 26; Serial No. 194,297; published May 27, 1924.
Feldspar. Pennsylvania Pulverizing Company. 188,419; Aug. 26; Serial No. 194,300; published May 27, 1924.
Leather. A. C. Lawrence Leather Company. 188,407; Aug. 26; Serial No. 191,544; published June 10, 1924.
Leather. Michigan Tanning & Extract Company. 188,405; Aug. 26; Serial No. 190,305; published June 10, 1924.
Oyster shells for poultry, etc., Crushed and ground. Treichlinger Brokerage Co. 188,417; Aug. 26; Serial No. 193,971; published May 27, 1924.
Silica. Pennsylvania Pulverizing Company. 188,500; Aug. 26; Serial No. 194,289; published May 27, 1924.
Silica. Pennsylvania Pulverizing Company. 188,501; Aug. 26; Serial No. 194,296; published May 27, 1924.
Skins, Dressed. N. Weinstock. 188,497; Aug. 26; Serial No. 194,037; published June 10, 1924.
Skins, Dyed rabbit. Jacob Kestenbaum. 188,542; Aug. 26; Serial No. 181,998; published June 10, 1924.
Upholstery filling, Treated raw fibers for. F. H. Cone. 188,437; Aug. 26; Serial No. 195,214; published May 27, 1924.
Upholstery filling, Treated raw fibers for. F. H. Cone. 188,438; Aug. 26; Serial No. 195,218; published May 27, 1924.
Upholstery filling, Treated raw fibers for. F. H. Cone. 188,439; Aug. 26; Serial No. 195,220; published May 27, 1924.

CLASS 2.

Paper bags. Union Bag & Paper Co. 25,860; renewed Jan. 15, 1925.

CLASS 6.

Alcohol, Denatured. Schieffelin & Company. 188,415; Aug. 26; Serial No. 193,786; published May 27, 1924.
Anthelmintics. Farbenfabriken vorm. Friedr. Bayer & Co. 188,473; Aug. 26; Serial No. 196,012; published June 10, 1924.
Antiseptic, germicide deodorant, and disinfectant. E. W. Harrington. 188,465; Aug. 26; Serial No. 196,112; published June 17, 1924.
Antispasmodics. Schweiz. Serum- & Impfinstitut Bern. 188,548; Aug. 26; Serial No. 188,973; published June 10, 1924.
Bleacher and bluing, Laundry. G. E. Redoute. 188,413; Aug. 26; Serial No. 193,074; published June 17, 1924.
Bleaching compound for granite, etc. A. Nelson. 188,401; Aug. 26; Serial No. 183,081; published June 10, 1924.
Bluing. Gar-Mar Manufacturing Co. 188,449; Aug. 26; Serial No. 195,577; published June 10, 1924.
Chrome tannage liquor. Martin Dennis Chrome Tannage Co. 25,852; renewed Jan. 8, 1925.
Cold cream, rouge, shampoo, hair tonic, etc. S. Glemby's Sons Co. 188,458; Aug. 26; Serial No. 193,099; published June 10, 1924.
Compound for treating necro bacillosis, etc. O. P. Person. 188,549; Aug. 26; Serial No. 195,759; published June 10, 1924.
Compound for treatment of rheumatism, inflammation, etc. F. J. Welk. 188,442; Aug. 26; Ser. 195,249; published June 3, 1924.
Cough sirup. First Texas Chemical Manufacturing Company. 188,571; Aug. 26.
Cough sirup. F. A. Maselli. 188,424; Aug. 26; Serial No. 194,560; published June 10, 1924.
Cream, Face. C. W. Demers. 188,435; Aug. 26; Serial No. 195,054; published June 3, 1924.
Cream, face powder, toilet lotions, etc., Vanishing. Nudru Company. 188,398; Aug. 26; Serial No. 176,089; published June 3, 1924.
Cream, Skin. H. Leys. 188,535; Aug. 26; Serial No. 168,582; published Nov. 13, 1923.
Creams, face powder, rouge, etc., Cold, almond, and massage. S. Glemby's Sons Co. 188,457; Aug. 26; Serial No. 193,332; published June 10, 1924.
Dental preparation. Eli Lilly and Company. 188,538; Aug. 26; Serial No. 176,558; published June 10, 1924.
Deodorant. Tomnel et Fils. 188,505; Aug. 26; Serial No. 194,825; published May 27, 1924.
Deodorizing material. Barnebey-Cheney Engineering Company. 188,534; Aug. 26; Serial No. 166,128; published June 3, 1924.
Drugs and chemicals. Thomas Tyrer & Co. 25,895; renewed Jan. 22, 1925.
Dyes and dyestuffs. Grasselli Chemical Company. 188,564; Aug. 26.
Eye lotion. Universal Remedies Co. 188,552; Aug. 26; Serial No. 195,995; published June 10, 1924.
Flux for welding metals. Chemical Treatment Company. 188,469; Aug. 26; Serial No. 196,050; published June 17, 1924.
Foot cream. H. Glett. 188,423; Aug. 26; Serial No. 194,535; published June 10, 1924.
Germicide, deodorant, and disinfectant, Antiseptic. E. W. Harrington. 188,512; Aug. 26; Serial No. 195,960; published June 10, 1924.
Gum, Medicated chewing. T. A. Buckley. 188,496; Aug. 26; Serial No. 193,895; published June 17, 1924.
Hair dresser or tonic. Weeden & Kremp. 188,464; Aug. 26; Serial No. 190,622; published June 3, 1924.
Hairdressing. Sylvan Toilet Co. 24,184; renewed Feb. 6, 1924.
Hair dye. Inecto, Inc. 188,452; Aug. 26; Serial No. 195,690; published June 10, 1924.
Hair tonic. Graynix Company. 188,463; Aug. 26; Serial No. 196,058; published June 17, 1924.
Hair tonic and dandruff remedy. F. Hess. 188,445; Aug. 26; Serial No. 195,520; published June 10, 1924.
Insecticide, rodent exterminator, etc. M. Sultzbach. 188,441; Aug. 26; Serial No. 195,244; published June 3, 1924.
Insecticides. R. Granados. 188,511; Aug. 26; Serial No. 195,957; published June 10, 1924.
Insecticides. U. S. Sanitary Specialties Corporation. 188,507; Aug. 26; Serial No. 194,827; published May 27, 1924.
Laxative pills. J. Mendell. 188,431; Aug. 26; Serial No. 195,012; published May 27, 1924.
Medicament for female disorders. Nixon, Stuart & Barker. 188,440; Aug. 26; Serial No. 195,236; published June 3, 1924.
Medicinal mineral water. Purgo Water Company. 188,461; Aug. 26; Serial No. 191,950; published June 10, 1924.
Medicinal preparation. Barnes and Barnes. 188,536; Aug. 26; Serial No. 173,162; published June 10, 1924.
Medicinal preparation. Tonocrine Co. 188,506; Aug. 26; Serial No. 194,826; published May 27, 1924.
Medicinal preparation for rheumatism. Ahambeb Company. 188,447; Aug. 26; Serial No. 195,563; published June 10, 1924.
Medicinal preparation for the treatment of the blood. Swift Specific Co. 188,546; Aug. 26; Serial No. 186,681; published June 3, 1924.
Medicinal preparation for treatment of boils and carbuncles. J. W. Robertson. 188,510; Aug. 26; Serial No. 195,837; published June 10, 1924.
Medicinal preparation for treatment of the liver. L. W. Williams. 188,416; Aug. 26; Serial No. 193,875; published June 3, 1924.
Medicinal sirups, tonics, ointments, etc. D. Thall. 188,498; Aug. 26; Serial No. 194,141; published June 17, 1924.
Medicinal tonic, System and general. V. Bonaccolto. 188,421; Aug. 26; Serial No. 194,517; published June 10, 1924.
Medicine. Savage Chemical & Research Laboratories. 188,410; Aug. 26; Serial No. 192,273; published May 27, 1924.
Medicine. S. C. Tate. 188,467; Aug. 26; Serial No. 196,083; published June 17, 1924.
Medicine for rheumatism. Ursus Medical Company. 188,446; Aug. 26; Serial No. 195,554; published June 10, 1924.
Medicine, Laxative. Beta-Sigma-Herba Co. 188,453; Aug. 26; Serial No. 195,732; published June 10, 1924.
Medicines. O. F. Woodward. 25,939; renewed Jan. 29, 1925.
Medicines, Diuretic and antisyphilitic. Winthrop Chemical Company. 188,420; Aug. 26; Serial No. 194,320; published June 10, 1924.
Medicines for worms in swine, Capsules containing. Peters Hog Serum Company. 188,502; Aug. 26; Serial No. 194,372; published June 17, 1924.
Mouth, Solution for treating the. The Conservation Utilities Company. 188,455; Aug. 26; Serial No. 195,741; published June 10, 1924.
Oils and chemical preparations used in perfumes and flavorings. Fritzsche Brothers, Inc. 188,456; Aug. 26; Serial No. 193,584; published June 3, 1924.
Ointment. L. Porter, jr. 188,397; Aug. 26; Serial No. 174,913; published June 3, 1924.
Ointment for the relief of colds, headaches, burns, etc. A. B. Nebelsick. 188,406; Aug. 26; Serial No. 191,502; published May 27, 1924.
Perfume. George Borgfeldt & Co. 188,426; Aug. 26; Serial No. 194,780; published June 10, 1924.

Perfume. Lentheric, Inc. 188,504; Aug. 26; Serial No. 194,806; published May 27, 1924.
Perfume and sachet powders, Liquid. Alfred Wright Perfumer, Inc. 188,428; Aug. 26; Serial No. 194,967; published May 27, 1924.
Perfume, toilet water, face powder, etc. Lecaron Flls. 188,412; Aug. 26; Serial No. 192,772; published June 3, 1924.
Perfumes, toilet powder, etc. J. & E. Atkinson Limited. 188,470–1; Aug. 26; Serial Nos. 196,046–7; published June 17, 1924.
Perfumes, toilet waters, and face powders. Fioret, Inc. 188,399; Aug. 26; Serial No. 176,116; published June 10, 1924.
Perfumes, toilet waters, face powders, etc. M. Roussel. 188,550; Aug. 26; Serial No. 195,775; published June 10, 1924.
Pharmaceutical preparation. Phospho-Albumen Company. 188,436; Aug. 26; Serial No. 195,125; published June 3, 1924.
Pharmaceutical preparations or reagents and medicated plasters. Authorized Wassermann Medical Corporation. 188,541; Aug. 26; Serial No. 181,584; published June 10, 1924.
Powder and animal food. Livestock. E. Hugel. 188,451; Aug. 26; Serial No. 195,688; published June 10, 1924.
Powder and rouge, Face. Colgate & Company. 188,434; Aug. 26; Serial No. 195,050; published June 3, 1924.
Powder, cough sirup, and laxative tablets, Talcum. Fred A. Wish, Incorporated. 188,460; Aug. 26; Serial No. 193,013; published June 3, 1924.
Powders in cake form, Face. Comfort Manufacturing Co. 188,454; Aug. 26; Serial No. 195,739; published June 10, 1924.
Powder, Nail-polishing. H. A. Clotworthy. 188,474; Aug. 26; Ser. 196,006; published June 10, 1924.
Powder, Talcum. Lehn and Fink, Inc. 188,450; Aug. 26; Serial No. 195,581; published June 10, 1924.
Powders and creams, perfumes, etc., Face. W. H. Johnson. 188,396; Aug. 26; Serial No. 163,988; published June 10, 1924.
Powders and creams, toilet waters, rouges, etc., Face. H. Kaye. 188,503; Aug. 26; Serial No. 194,803; published May 27, 1924.
Powders, Face. Spooner Inc. 188,562; Aug. 26.
Powders, face creams, toilet waters, rouges, perfumes, etc., Face. H. Kaye. 188,472; Aug. 26; Serial No. 196,023; published June 10, 1924.
Preparation for autointoxication and high blood pressure. O. F. Louis. 188,508; Aug. 26; Serial No. 194,875; published June 10, 1924.
Preparation for blood and liver diseases and rheumatism. M. O. Hughes. 188,459; Aug. 26; Serial No. 193,044; published June 10, 1924.
Preparation for dandruff, hair tonic, laxative tablets, salve. E. R. Coyne. 188,402; Aug. 26; Serial No. 183,957; published May 27.
Preparation for dressing the hair. A. Cohan. 188,466; Aug. 26; Serial No. 196,103; published June 17, 1924.
Preparation for relief of oral pain. Panalgic Company. 188,400; Aug. 26; Serial No. 176,500; published June 3, 1924.
Preparation for the prevention and treatment of diseases of fowl. American Scientific Laboratories, Inc. 188,403; Aug. 26; Serial No. 184,536; published June 10, 1924.
Preparation for the relief of headaches, neuralgia, nervousness, etc. C. M. Remedy Co. 188,543; Aug. 26; Serial No. 183,692; published Jan. 1, 1924.
Preparation for the relief of neuritis. G. F. Leahy. 188,422; Aug. 26; Serial No. 194,357; published June 10, 1924.
Preparation for the treatment of sore eyes. P. Ganetopoulos. 188,547; Aug. 26; Serial No. 186,988; published June 3, 1924.
Preparations, Eczema. F. Graham. 188,499; Aug. 26; Serial No. 194,272; published June 3, 1924.
Preparations for headache, neuralgia, etc. C. Foster. 188,411; Aug. 26; Serial No. 192,525; published June 17, 1924.
Preparations to stimulate the growth of the hair and to remove dandruff. G. F. Doran. 188,462; Aug. 26; Serial No. 190,874; published June 3, 1924.
Rouge. F. A. Schwannecke, Inc. 188,433; Aug. 26; Serial No. 195,021; published May 27, 1924.
Rouge creams. B. Gould. 188,430; Aug. 26; Serial No. 194,994; published June 10, 1924.
Rouges. Coty, Inc. 188,448; Aug. 26; Serial No. 195,574; published June 10, 1924.
Rouges and lip sticks. Coty, Inc. 188,443–4; Aug. 26; Serial Nos. 195,497–8; published June 10, 1924.
Salve, Antiseptic. E. Hess. 188,427; Aug. 26; Serial No. 194,868; published May 27, 1924.
Salve. L. Kleinschmidt. 188,513; Aug. 26; Serial No. 195,964; published June 10, 1924.
Salve, Pile. J. C. Barrows. 188,551; Aug. 26; Serial No. 195,797; published June 10, 1924.
Skin tonic and lotion. J. L. Bowers. 188,404; Aug. 26; Serial No. 186,691; published May 27, 1924.
Spirocketal and other infectious diseases and as a diuretic, Preparations for the treatment of. H. A. Metz Laboratories Inc. 188,515; Aug. 26; Serial No. 195,977; published June 10, 1924.
Spirochetal and other infectious diseases, Preparations for the treatment of. H. A. Metz Laboratories, Inc. 188,514; Aug. 26; Serial No. 195,976; published June 10, 1924.
Tablets, Medicinal. E. W. Rahn. 188,432; Aug. 26; Serial No. 195,016; published May 27, 1924.
Toilet preparations. A. Bourjois & Co. 188,414; Aug. 26; Serial No. 193,381; published June 17, 1924.
Toilet preparations. W. J. Scott. 188,468; Aug. 26; Serial No. 196,078; published June 17, 1924.
Tonic, Vegetable system. Vendol Company. 188,509; Aug. 26; Serial No. 195,029; published June 10, 1924.
Tuberculosis and other infectious diseases, Preparations for the treatment of. H. A. Metz Laboratories, Inc. 188,475; Aug. 26; Serial No. 195,978; published June 10, 1924.

CLASS 8.

Cigarette and tobacco boxes. W. J. Peckes. 188,395; Aug. 26; Serial No. 192,494; published June 17, 1924.
Cigarette holders. Apex Specialties Corporation. 188,492; Aug. 26; Serial No. 153,754; published June 17, 1924.
Pipes and cigarette and cigar holders, Smokers'. Maurice Rapoport & Company. 188,328; Aug. 26; Serial No. 195,599; published June 17, 1924.
Pipes, cigar and cigarette holders. S. M. Frank & Co. 188,317; Aug. 26; Serial No. 194,790; published June 17, 1924.

CLASS 9.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta r. l. 188,481; Aug. 26; Serial No. 177,927; published June 17, 1924.

CLASS 10.

Manure. J. Oliver Johnson, Inc. 188,352; Aug. 26; Serial No. 194,355; published June 17, 1924.

CLASS 12.

Lumber. Bagdad Land & Lumber Company. 188,557; Aug. 26.
Shingles, Copper coated. Anaconda Copper Mining Company. 188,565; Aug. 26.
Stucco. Plastik Products Company. 188,563; Aug. 26.

CLASS 13.

Bathtubs, sinks, closet combinations, etc. Shinn-Holtz-Lyon Company. 188,377; Aug. 26; Serial No. 183,673; published June 17, 1924.
Blind rollers. Haglund & Söners Handels- & Fabriksaktiebolag. 188,375; Aug. 26; Serial No. 196,659; published June 17, 1924.
Floats and air chambers. Frank Engelhard & Sons. 188,357; Aug. 26; Serial No. 195,877; published June 17, 1924.
Fountains, fountain heads, etc., Drinking. Halsey W. Taylor Company. 188,341; Aug. 26; Serial No. 193,519; published June 17, 1924.
Hardware. Marshall-Wells Hardware Company. 25,305; renewed Oct. 2, 1924.
Knives, Pocket-. Schmachtenberg Bros. 25,037; renewed July 24, 1924.
Nuts, lock. Industrial Lock-Nut Co. 188,350; Aug. 26; Serial No. 194,062; published June 17, 1924.
Pipe fittings and valves. Grinnell Company. 188,483; Aug. 26; Serial No. 176,622; published June 17, 1924.
Rivets, Tubular. Tubular Rivet & Stud Company. 188,392; Aug. 26; Serial No. 191,926; published June 17, 1924.
Screen hangers and storm-sash hangers. Stanley Works. 188,329; Aug. 26; Serial No. 195,602; published June 17, 1924.
Staples, Wire. Pig Tail Staple Company. 188,378; Aug. 26; Serial No. 184,754; published June 17, 1924.
Tubs, Foot and vapor-treatment foot. P. J. Sibley. 188,351; Aug. 26; Serial No. 194,219; published June 17, 1924.
Valves and hydrants. Ludlow Valve Manufacturing Company. 25,955; renewed Jan. 29, 1925.

CLASS 14.

Iron, Bar. Schadbolt & Boyd Iron Co. 25,697; renewed Dec. 18, 1924.
Iron, steel, and lead manufactures. Rylands Brothers, Limited. 25,436; renewed Oct. 30, 1924.
Platinum, gold, and silver and combinations of these metals. Katz & Ogush, Inc. 188,335; Aug .26; Serial No. 195,691; published June 17, 1924.
Precious metals. S. Cohn. 188,348; Aug. 26; Serial No. 193,991; published June 17, 1924.
Roofing and solder bars, Sheet-metal. Berger Bros. Co. 188,318; Aug. 26; Serial No. 194,773; published June 17, 1924.

CLASS 15.

Lubricant. W. C. Moor. 188,566; Aug. 26.

CLASS 16.

Polish for painted, etc., surfaces. Leads All Mfg. Co. 188,568; Aug. 26.
Polisher and refinisher to be used on automobiles. J. W. Shaw. 188,567; Aug. 26.
Varnish, Berry Brothers, Limited. 25,141; renewed Aug. 14, 1924.

Varnish, paints, and finishes. Marshall-Wells Company. 188,561; Aug. 26.

CLASS 18.

Agricultural implements. Cutaway Harrow Company. 25,802; renewed Jan. 1, 1925.

CLASS 19.

Antivibration devices or shock absorbers or spring controllers. Edward V. Hartford, Inc. 188,573; Aug. 26.

CLASS 22.

Dolls. Averill Manufacturing Corporation. 188,355–6; Aug. 26; Serial No. 194,584–5; published June 17, 1924.
Dolls. Schoen & Yondorf Co. 188,320; Aug. 26; Serial No. 194,879; published June 17, 1924.

CLASS 23.

Bottle-washing machines and parts thereof. C. Hamann. 188,488; Aug. 26; Serial No. 171,271; published June 17, 1924.
Coil files, tire pumps, etc. Research Club, Inc. 188,387; Aug. 26; Serial No. 188,930; published June 17, 1924.
Emery-wheel dresser. B. E. Hedges Co. 188,339; Aug. 26; Serial No. 192,973; published June 17, 1924.
Pumps. American Liquolift Corporation. 188,353; Aug. 26; Serial No. 194,508; published June 17, 1924.
Razors, Safety. H. B. Cohen. 188,385; Aug. 26; Serial No. 188,407; published June 17, 1924.
Valves, Compression and vacuum-pump. Sullivan Machinery Company. 188,340; Aug. 26; Serial No. 193,193; published June 17, 1924.
Wrenches. Girard Wrench Manufacturing Company. 188,480; Aug. 26; Serial No. 178,384; published June 17, 1924.
Wrenches. Girard Wrench Manufacturing Company. 188,484; Aug. 26; Serial No. 176,616; published June 17, 1924.

CLASS 26.

Time daters and time-dating machines. Automatic Electric Machine Co. 188,485; Aug. 26; Serial No. 176,611; published June 17, 1924.

CLASS 28.

Watch movements and watchcases. Louis Brandt & Frère. 25,036; renewed July 24, 1924.

CLASS 29.

Washing and cleaning tool, Extension-handled. Bon Ami Company. 188,347; Aug. 26; Serial No. 193,988; published June 17, 1924.

CLASS 30.

Chinaware. Owen China Company. 188,560; Aug. 26.

CLASS 34.

Furnaces, Injector heads and devices accessory to such heads in liquid-fuel burners for heating. Aladdin Oil Burner Corporation. 188,429; Aug. 26; Serial No. 194,968; published June 10, 1924.
Gas from gasoline, Machines for producing. Moto-Gas Machine Co. 188,540; Aug. 26; Serial No. 179,309; published June 10, 1924.
Roof ventilators and charcoal fire pots. Berger Bros. Company. 188,425; Aug. 26; Serial No. 194,772; published May 27, 1924.

CLASS 35.

Tires, Rubber. United States Tire Company. 188,555; Aug. 26.

CLASS 39.

Hats, Ladies'. Rosen-Sussman Hat Corporation. 188,384; Aug. 26; Serial No. 187,695; published May 27, 1924.
Wool goods. J. J. & W. Wilson, Limited. 25,913; renewed Jan. 22, 1925.

CLASS 40.

Metal articles. Thomas Carlyle and John Mark Carlyle. 25,508; renewed Nov. 13, 1924.

CLASS 42.

Cotton fabrics. Cohn Hall Marx Co. 188,360; Aug. 26; Serial No. 196,008; published June 17, 1924.
Cotton piece goods. E. V. Benjamin Co. 188,324; Aug. 26; Serial No. 195,327; published June 17, 1924.
Cotton piece goods. Minot, Hooper & Co. 188,386; Aug. 26; Serial No. 188,691; published Jan. 15, 1924.
Cotton piece goods. Voss & Stern, Inc. 188,383; Aug. 26; Serial No. 187,596; published June 17, 1924.
Cotton piece goods. York Mfg. Co. 188,388; Aug. 26; Serial No. 189,087; published June 17, 1924.
Cotton, silk, etc., piece goods. E. H. Behrens & Co. 188,334; Aug. 26; Serial No. 195,672; published June 17, 1924.
Cotton, wool, silk, linen, etc., goods. Near East Relief. 188,346; Aug. 26; Serial No. 193,944; published June 10, 1924.
Dress goods and linings. Catlin & Co. 25,261; renewed Sept. 25, 1924.
Hair nets. Paristyle Novelty Co. 188,358; Aug. 26; Serial No. 195,905; published June 17, 1924.
Knitted goods made of silk, wool, and cotton. Salta Knitting Mills, Inc. 188,337; Aug. 26; Serial No. 192,795; published June 17, 1924.
Linen and cotton cloths and woolen blankets. Farley Harvey Company. 188,476; Aug. 26; Serial No. 183,206; published Oct. 16, 1923.
Linen and cotton cloths and woolen blankets. Farley Harvey Company. 188,477; Aug. 26; Serial No. 183,203; published Oct. 16, 1923.
Rugs, runners, and carpet, Woven fabric. Light House Rug Co. 188,390; Aug. 26; Serial No. 191,388; published June 17, 1924.
Silk, artificial-silk, etc., piece goods. Haas Brothers Fabrics Corporation. 188,333; Aug. 26; Serial No. 195,637; published June 17, 1924.
Silk, artificial-silk, wool, cotton, and linen piece goods. Haas Brothers Corporation. 188,361; Aug. 26; Serial No. 196,018; published June 17, 1924.
Silk piece goods. Duplan Silk Corporation. 188,367; Aug. 26; Serial No. 196,377; published June 17, 1924.
Silk piece goods. Wechsler Barber Silk Company. 188,330–1; Aug. 26; Serial Nos. 195,606–7; published June 17, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 188,368; Aug. 26; Serial No. 196,381; published June 17, 1924.
Woolen piece goods. Madison Woolen Co. 188,369–70; Aug. 26; Serial Nos. 196,533–4; published June 17, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 188,336; Aug. 26; Serial No. 195,745; published June 17, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 188,364; Aug. 26; Serial No. 196,302; published June 17, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 188,366; Aug. 26; Serial No. 196,306; published June 17, 1924.

CLASS 43.

Cotton, Spool. Willimantic Linen Company. 25,626; renewed Dec. 11, 1924.
Cotton, Spool. Willimantic Linen Company. 25,632–3; renewed Dec. 11, 1924.
Cotton thread. American Thread Company. 188,359; Aug. 26; Serial No. 196,002; published June 17, 1924.
Threads, Manufacturers Supplies Company. 188,490; Aug. 26; Serial No. 158,938; published June 17, 1924.

CLASS 44.

Audiphones. Super-Ear Corporation. 188,349; Aug. 26; Serial No. 194,028; published June 17, 1924.
Dental supplies. Mizzy-Inc. 188,391; Aug. 26; Serial No. 191,498; published June 17, 1924.
Electric-current modulators and generators. G. S. White. 188,379; Aug. 26; Serial No. 185,274; published June 17, 1924.
Electrotherapeutic apparatus. E. J. Murray. 188,479; Aug. 26; Serial No. 179,051; published June 17, 1924.

CLASS 45.

Beverage, Nonalcoholic maltless. G. I. Sload. 188,322; Aug 26; Serial No. 195,135; published June 17, 1924.
Beverage sold as a soft drink. National Orange Beverage Company. 188,556; Aug. 26.
Flavoring compound for beverages, Maltless. Fritzsche Brothers, Inc. 188,342; Aug. 26; Serial No. 196,585; published June 17, 1924.
Ginger ale. Anheuser-Busch, Inc. 188,362; Aug. 26; Serial No. 196,223; published June 17, 1924.
Ginger ale. Delatour Beverage Corporation. 188,408; Aug. 26; Serial No. 191,755; published Mar. 25, 1924.
Ginger ale, lemon, cream, and cherry soda, etc. R. S. Botsford. 188,323; Aug. 26; Serial No. 195,260; published June 17, 1924.
Ginger ale, root beer, lemon soda, etc. Austin, Nichols & Co. 188,394; Aug. 26; Serial No. 192,353; published June 17, 1924.

CLASS 46.

Bread. Livingston Baking Company. 188,531; Aug. 26; Serial No. 196,530; published June 17, 1924.
Bread. New System Baking Company. 188,521; Aug. 26; Serial No. 189,265; published June 17, 1924.
Bread. Oakland Baking Co. 188,527; Aug. 26; Serial No. 195,829; published June 10, 1924.
Bread. Ward Baking Company. 188,526; Aug. 26; Serial No. 195,787; published June 17, 1924.
Break and cake, Corby Baking Company. 188,525; Aug. 26; Serial No. 195,436; published June 10, 1924.
Bread, rolls, and cakes. J. L. Skelton. 188,523; Aug. 26; Serial No. 194,572; published June 10, 1924.
Butter. Davis-Cleaver Produce Company. 188,518; Aug. 26; Serial No. 180,845; published Dec. 11, 1923.
Cakes and doughnuts. Ward Baking Company. 188,520; Aug. 26; Serial No. 185,194; published June 17, 1924.
Candies. C. E. Gheens. 188,491; Aug. 26; Serial No. 155,749; published Aug. 15, 1922.
Candy. American Candy Co. 188,344; Aug. 26; Serial No. 193,882; published June 17, 1924.
Candy. Val. Blatz Jr. Candy Co. 188,570; Aug. 26.
Candy. Cummings Corporation. 188,559; Aug. 26.

Candy. Curtiss Candy Co. 188,495; Aug. 26; Serial No. 117,219; published July 19, 1921.
Candy. Kibbe Brothers Co. 188,373; Aug. 26; Serial No. 196,598; published June 17, 1924.
Candy. King Candy Co. 188,338; Aug. 26; Serial No. 192,844; published June 17, 1924.
Candy, Fruit. W. G. Wise Fruit Chocolate Company. 188,569; Aug. 26.
Candy tablets and mints, chewing-gum mints. I. Levy. 188,486; Aug. 26; Serial No. 175,359; published June 17, 1924.
Canned caviar. Russian Food Products Company. 188,572; Aug. 26.
Canned cooked mixed food. G. M. Kroyer. 188,393; Aug. 26; Serial No. 192,181; published June 3, 1924.
Canned fish. J. Braadland, Ltd. 188,539; Aug. 26; Serial No. 177,585; published June 24, 1924.
Canned fruits and vegetables, salads, and fruit preserves. Hillman's. 188,378; Aug. 26; Serial No. 183,572; published June 17, 1924.
Canned grapefruit. H. E. Walton. 188,374; Aug. 26; Serial No. 196,632; published June 17, 1924.
Canned meat and cereals for dogs, etc. Chappel Bros. Inc. 188,325–6; Aug. 26; Serial No. 195,490–1; published June 17, 1924.
Canned pork and beans. Martin Wagner Company. 188,478; Aug. 26; Serial No. 181,794; published June 17, 1924.
Canned, salted, spiced, and smoked fish. Hanson Fish Products Co. 188,354; Aug. 26; Serial No. 194,536; published June 17, 1924.
Canned shrimp. A. Lopez. 188,382; Aug. 26; Serial No. 187,114; published June 17, 1924.
Canned vegetables. Bell Canning Co. 188,371; Aug. 26; Serial No. 196,567; published June 17, 1924.
Cheese. A. Corrao. 188,532; Aug. 26; Serial No. 196,852; published June 17, 1924.
Chocolates and candies. Wilkes-Barre Choc. Co. 188,494; Aug. 26; Serial No. 142,863; published Feb. 27, 1923.
Coffee. Balzac Bros. & Company. 188,363; Aug. 26; Serial No. 196,285; published June 17, 1924.
Coffee. Grand Union Tea Company. 188,372; Aug. 26; Serial No. 196,589; published June 17, 1924.
Coffee, spices, olive oil, etc. James Van Dyk Co. 188,489; Aug. 26; Serial No. 168,565; published Sept. 25, 1923.
Eggs and cheese. Bredan Creamery, Inc. 188,554; Aug. 26; Serial No. 196,573; published June 17, 1924.
Eggs, butter, and cheese. E. Lebers. 188,524; Aug. 26; Serial No. 194,718; published June 17, 1924.
Feed, Poultry. Quaker Oats Company. 188,553; Aug. 26; Serial No. 196,477; published June 17, 1924.
Flavoring compounds. Fritzsche Brothers, Inc. 188,327; Aug. 26; Serial No. 195,576; published June 17, 1924.
Flavoring compound of vanilla, Food-. Aveco Products Co. 188,487; Aug. 26; Serial No. 173,343; published June 17, 1924.
Flour. Mountain City Mill Co., Inc. 188,519; Aug. 26; Serial No. 183,224; published June 10, 1924.
Flour, Buckwheat. H. S. Smith. 188,545; Aug. 26; Serial No. 186,088; published Jan. 29, 1924.
Flour, Self-rising wheat. Trenton Milling Company. 188,529; Aug. 26; Serial No. 196,413; published June 17, 1924.
Flour, Wheat. C. W. Brister & Son. 188,516; Aug. 26; Serial No. 170,805; published June 17, 1924.
Flour, Wheat. City Mills Co. 188,528; Aug. 26; Serial No. 196,332; published June 17, 1924.
Flour, Wheat. Cleveland Milling Company. 188,365; Aug. 26; Serial No. 196,365; published July 22, 1924.
Flour, Wheat. Colorado Milling & Elevator Co. 188,530; Aug. 26; Serial No. 196,438; published June 17, 1924.
Fruits. Claremont California Fruit Growers Assoc. 24,176; renewed Feb. 6, 1924.
Fruits, Fresh citrous. Stripes Citrus Packing Co. 188,321; Aug. 26; Serial No. 195,026; published June 17, 1924.
Ice cream and milk. Benton Ice Cream & Bottling Co. 188,558; Aug. 26.
Marshmallow bar. C. F. Blanke Tea and Coffee Company. 188,345; Aug. 26; Serial No. 193,893; published June 17, 1924.
Meat, Horse. P. Valk. 188,517; Aug. 26; Serial No. 176,515; published June 17, 1924.
Meats, Cured. Joseph R. Peebles' Sons Co. 25,425; renewed Oct. 30, 1924.
Milk and other food beverages, Preparation to improve malted. B. Heller & Company. 188,319; Aug. 26; Serial No. 194,867; published June 17, 1924.
Oil, Olive. J. E. Cristani. 188,482; Aug. 26; Serial No. 177,365; published June 17, 1924.
Oil, Packed olive. G. L. P. Co. 188,493; Aug. 26; Serial No. 147,874; published June 17, 1924.
Powder, Dessert. Alfred Bird and Sons, Limited. 188,381; Aug. 26; Serial No. 187,033; published Mar. 18, 1924.
Tea and coffee. Jas. H. Forbes Tea & Coffee Co. 188,343; Aug. 26; Serial No. 193,812; published June 17, 1924.
Vegetables, Table. Carfiel & Morris. 188,380; Aug. 26; Serial No. 185,745; published June 10, 1924.
Yeast. Liberty Yeast Corporation. 188,389; Aug. 26; Serial No. 191,272; published June 3, 1924.

CLASS 48.

Malt sirup. T. A. Carper. 188,332; Aug. 26; Serial No. 195,632; published June 17, 1924.

CLASS 50.

Garment hangers. J. A. Shoemaker. 188,533; Aug. 26; Serial No. 157,640; published Mar. 27, 1923.

ALPHABETICAL LIST OF LABELS.

All Sweet Toasted Almonds from California. For Toasted Almonds. W. Prentiss, jr. 27,765; Aug. 26.
Black Velvet Metal Polish. For Metal Polishes. Grady Mfg. Co. 27,760; Aug. 26.
Bob O Net. For a Hair-Net Envelope. B. Frankel Co. 27,757; Aug. 26.
Check Bread. For Bread. S. E. Loveless, Inc. 27,762; Aug. 26.
Colonial Malt Extract. For Malt Sirup. E. Santilli. 27,770; Aug. 26.
Fine Chocolates. For Boxes Containing Candy. Milwaukee Paper Box Company. 27,763; Aug. 26.
Flaky-Burst Japanese Hull-Less Pop Corn. For Pop Corn. R. M. Tuttle. 27,774; Aug. 26.
Honey-Kist. For Candy. W. D. Sawler. 27,771; Aug. 26.
Jiffy. For Liquid Polish. J. H. Goldstaub. 27,759; Aug. 26.
Joyously Harnessed With A Power From The Deep. For Cod-Liver-Oil Compound. A. Berkhall. 27,754; Aug. 26.
Master. For Motor Oils and Greases. W. L. Hagenbaugh. 27,761; Aug. 26.
Montana Sport. For Cigars. C. Garnier. 27,758; Aug. 26.
Patrick's Briten-Up Glass Polish. For Bottles Containing Glass Polish. F. E. Patrick. 27,764; Aug. 26.
S & S. For Ginger Ale. S. & S. Water Company. 27,768; Aug. 26.
School Day Special. For Hosiery. Pure Silk Hosiery Mills, Inc. 27,767; Aug. 26.
Silver King Ginger Ale. For Ginger Ale. Silver King Mineral Water Company. 27,772; Aug. 26.
Sun-Ripe. For Canned Olives. California Olive Growers, Inc. 27,755; Aug. 26.
This package contains 30 10-cent tins of All Sweet California Almonds. For Almond Meats. W. Prentiss, jr. 27,766; Aug. 26.
Tivoli Extract. For Malt Extract. Tivoli Extract Company. 27,773; Aug. 26.
Tootsie Ann. For Bread. Saniwax Paper Co. 27,769; Aug. 26.
Victor. For Cantaloupes. Eagle Packing Co. 27,756; Aug. 26.

ALPHABETICAL LIST OF PRINTS.

Colman's Mustard all Over the world. For Mustard. J. & J. Colman. 26; renewed Sept. 22, 1924.
Jell-O Plum Pudding. For Jell-O, a Dessert Preparation. Jell-O Company. 7,573; Aug. 26.
Little Red Riding Hood. For Jell-O, a Dessert Preparation. Jell-O Company. 7,574; Aug. 26.
Paradise Colored Pencils C52. For Pencils. American Lead Pencil Company. 7,570; Aug. 26.
Pflueger's' Fishing Tackle. For Fishing Tackle. Enterprise Manufacturing Company. 7,572; Aug. 26.
The Duo-Art Reproducing Piano is music. For Musical Instruments. Including Automatic Musical Instruments. Aeolian Company. 7,569; Aug. 26.
The Makings Of A Man. For Wheat Breakfast Food. Cream of Wheat Co. 7,571; Aug. 26.
You'll Have Better Luck With Horseshoes. For Tires. Racine Horseshoe Tire Company. 7,575; Aug. 26.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. De Bardeleben Coal Corporation. 196,443; Aug. 26.
Feldspar. Pennsylvania Pulverizing Company. 194,294; Aug. 26.
Grit, Poultry. Georgia Mineral Products Co. 180,696; Aug. 26.
Rubber, Mineral. Barber Asphalt Company. 198,503; Aug. 26.
Rubber, Mineral. Barber Asphalt Company. 198,779; Aug. 26.
Seed, Lawn-grass. Northrup, King & Co. 199,382; Aug. 26.

CLASS 4.

Cleaning fluid for glass. Consolidated Specialties Company. 197,867; Aug. 26.
Cleaning preparation and compound. F. Daniels. 185,569; Aug. 26.
Cleanser. Whirlpool Products Inc. 197,574; Aug. 26.
Cleanser for walls, leather, machinery, etc. United Chemical Companies. 191,514; Aug. 26.
Polish. American Metal Polish Co. 183,900; Aug. 26.
Preparation for cleaning and polishing false teeth, etc. L. D. Caulk Company. 197,324; Aug. 26.
Soap. Kermit Products Corp. 166,947; Aug. 26.
Soap. Scholl Manufacturing Company. 199,248; Aug. 26.
Soap. Swift and Company. 192,284; Aug. 26.
Soap, Cleaning and polishing. Carpenter-Leddin Co. 195,211; Aug. 26.
Tar and grease remover and cleaner. J. L. Hinkley. 198,873; Aug. 26.

CLASS 6.

Arsenic and arsenical compounds. Wheal Jewell and and Marytavy Mines, Limited. 197,788; Aug. 26.
Bath for the body, Emollient. F. N. Lewis. 174,463; Aug. 26.
Bug exterminator. H. F. De Longe. 197,262; Aug. 26.
Chemical preparation. Tweedite Manufacturing Co. 198,974; Aug. 26.
Chemical preparation for use as a carbon remover. Kent & Co. 199,229; Aug. 26.
Chemicals. B. Roos. 191,143; Aug. 26.
Chemicals for cleansing and softening water. M. Albert. 198,043; Aug. 26.
Coating for casks and containers and for use in chemical industries, Interior. A. Gusmer, Inc. 192,767; Aug. 26.
Cough sirup. Tam-Bon Products Company. 196,942; Aug. 26.
Cream and hand beautifier, Face. H. Henkin. 193,173; Aug. 26.
Disinfecting solutions, Toothbrush-. Thompson Germicidal Sterilizer Co. 197,631; Aug. 26.
Food mineral combinations, Essential inorganic. H. C. Roberts. 195,191; Aug. 26.
Germicide and antiseptic preparations. Haco-Gesellschaft A.-G. Bern. 191,228; Aug. 26.
Germicide, Healing antiseptic. Hartman Product Co. 199,699; Aug. 26.
Hair tonic. W. E. Moore. 199,712; Aug. 26.
Hair tonic. J. M. Turner. 191,241; Aug. 26.
Insecticides. West Disinfecting Company. 196,995; Aug. 26.
Insecticide. West Disinfecting Company. 196,995; Aug. 26.
Insecticides, deodorants, and disinfectants. American Laboratories Incorporated. 198,695; Aug. 26.
Laxative. F. B. Flores. 198,797; Aug. 26.
Laxative and bowel corrective preparations. M. Vicenzi. 191,859; Aug. 26.
Lotion. George Liberman Barber Supply Co. 195,751; Aug. 26.
Medicinal and pharmaceutical preparations. Dr. Kilmer & Co. 198,808; Aug. 26.
Medicinal compounds and pharmaceutical preparations. Cathcart and Cathcart, Inc. 198,287; Aug. 26.
Medicinal preparation for dysmenorrhea. Thab Laboratories. 197,968; Aug. 26.
Medicine for constipation, etc. F. Rybak. 198,381; Aug. 26.
Medicine for tuberculosis. J. Hamberg. 198,304; Aug. 26.
Medicine (serum). E. F. Pabst. 199,385; Aug. 26.
Perfume. Flossy Dental Mfg. Co. 199,351; Aug. 26.
Perfumes, toilet waters, face powders, etc. M. Roussel. 195,776; Aug. 26.
Pharmaceutical preparation. Cathcart and Cathcart, Inc. 198,730; Aug. 26.
Powder, Face. Remiller Company. 178,672; Aug. 26.
Powder, lemon cream, motor cream, etc., Face. G. W. Haight. 195,820; Aug. 26.
Powder, perfume, cold cream, etc., Face. Sam Willer Human Hair Goods Co. 197,310; Aug. 26.
Powder, Toilet. Barbasol Company. 199,454; Aug. 26.
Powders and creams, hair tonics and oils, etc., Face. A. J. Provost. 199,020; Aug. 26.
Powders, cold cream, shampoo, etc., Foot and talcum. C. H. Pope. 197,497; Aug. 26.
Powders, face creams, perfumes, etc., Face. J. R. Watkins Co. 199,444; Aug. 26.
Preparation for blackhead in turkeys. C. R. Fleenor. 197,198; Aug. 26.
Preparation for rheumatism, lumbago, sprains, etc. R. B. Barber. 198,501; Aug. 26.
Preparation for the treatment of rheumatism, neuralgia, neuritis, etc. Ruma-Kil Chemical Company. 199,393; Aug. 26.
Reducing jelly. R. Purvis. 192,582; Aug. 26.
Rouge. A. H. Arit. 199,453; Aug. 26.
Salve. A. Herrick. 178,040; Aug. 26.
Salve, Pile. R. E. Elks, jr. 197,327; Aug. 26.
Salves and oils. E. B. Knight. 171,579; Aug. 26.
Tablets. Odol Corporation. 198,957; Aug. 26.
Toilet waters, perfumes, rouges, etc. M. L. Lieber. 197,790; Aug. 26.
Tonic for impotency. Lehn & Fink, Inc. 197,947; Aug. 26.

CLASS 9.

Shotguns, rifles, and pistols and parts thereof. J. P. Sauer & Sohn. 192,928; Aug. 26.

CLASS 15.

Gasoline, kerosene, lubricating oils and greases. Rogers Gasoline Company. 192,733; Aug. 26.
Lubricants. Pennzoil Company of California. 188,061; Aug. 26.
Lubricants and gasoline, kerosene, and naphtha, General. J. A. Dingwood, jr. 159,246; Aug. 26.
Oil, Graphite penetrating. Majestic Sales Agency. 198,147; Aug. 26.
Oils and lubricating greases. Humble Oil & Refining Company. 196,061; Aug. 26.
Oils, Lubricating. Schilling-Collision Company. 187,644; Aug. 26.

CLASS 16.

Paints, paint thinners, colors in japan, etc., House and roof. Sunset Paint Company. 193,637; Aug. 26.
Paints, varnishes, paint oils, linseed oil, turpentine. David Bernhardt Paint Company. 181,720; Aug. 26.
Plastic coating for wall board, pulpboard, etc. M. Schayer. 193,129; Aug. 26.

CLASS 17.

Cigars. Mazer-Cressman Cigar Co. 198,813–14; Aug. 26.
Cigars. Mazer-Cressman Cigar Co. 198,875; Aug. 26.
Cigars. Mazer-Cressman Cigar Co. 198,952; Aug. 26.
Cigars. National Grocer Company. 188,423; Aug. 26.

CLASS 19.

Automobiles and constructive parts thereof. Jordan Motor Car Company. 199,357; Aug. 26.
Cars, Motor. Fairmont Railway Motors, Inc. 193,581; Aug. 26.
Trucks, Motor. International Motor Company. 193,112; Aug. 26.
Vehicles, Electric. R. D. Ward. 195,665; Aug. 26.
Wheelbarrows. Cleveland Wheelbarrow & Manufacturing Company. 181,381; Aug. 26.

CLASS 21.

Batteries and dry cells. Marathon Battery Company. 198,811; Aug. 26.
Electric-current-flow indicators. Chemical Machinery Experiment Co. 164,491; Aug. 26.
Electric transformers. Hansen Company. 199,115; Aug. 26.
Electrical devices, supplies, and equipment. Glasco Electric Co. 195,511; Aug. 26.
Fuel for stoves and grates, Imitation. Edwin A. Jackson & Bro. Inc. 174,963; Aug. 26.
Furnaces, Gas. Kaufman-Norton Co. 182,215; Aug. 26.
Head phones, condensers, rheostats, etc. Dietzen, Inc. 196,444; Aug. 26.
Insulation, Composition of asbestos for use for electrical. Asbestos & Electrical Fittings Co. Ltd. 196,949; Aug. 26.

Lighting outfits, B batteries, flash-light batteries, and plugs, Christmas-tree-. Deal Electric Co. 198,509–10; Aug. 26.
Motors, generators, rotary converters, etc., Electric. Louis Allis Company. 195,730; Aug. 26.
Radio apparatus. Columbia Phonograph Company. 197,190–1; Aug. 26.
Radio apparatus. Goldschmidt Corporation. 185,180; Aug. 26.
Radio head sets. Dictograph Products Corporation. 198,992; Aug. 26.
Radio loud speakers, Amplifying horns for. Jewett Radio & Phonograph Co. 192,619; Aug. 26.
Radio receiving and sending sets and instruments and parts thereof, Complete. A. E. Hill Mfg. Co. 196,521; Aug. 26.
Radio receiving sets. Kodel Manufacturing Company. 197,608; Aug. 26.
Radio receiving sets and parts therefor, phones, etc. J. T. Sattels. 196,714; Aug. 26.
Radio receiving sets and parts thereof. Danziger-Jones, Inc. 197,419; Aug. 26.
Radio vacuum tubes. Lectrodio Company. 195,967; Aug. 26.
Soldering irons, electric bells, sockets, and motors, Electrical. Strauss & Blum, Inc. 178,881; Aug. 26.
Vacuum cleaners, including parts thereof and repair parts, Electric. Joseph A. McAnerney Company. 191,179; Aug. 26.
Wire for electrical use and insulating coverings. Simplex Wire Cable Company. 198,589; Aug. 26.
Wireless apparatus and devices. Sonora Phonograph Company. 161,866; Aug. 26.
Wireless receiving apparatus, Couplers for circuits of. S. A. Davis. 198,990; Aug. 26.

CLASS 22.

Dominos. Racks, game pieces, etc., used in playing Chinese. O. P. Cramer. 197,064; Aug. 26.
Game. C. Lederer. 165,797; Aug. 26.

CLASS 23.

Oil cups, locomotive bell ringers, and rotary pumps, Lubricating-. Badeker Manufacturing Company. 195,206; Aug. 26.
Razors, shears, scissors, pocketknives, and butcher knives. I. Rosenbaum. 194,622; Aug. 26.
Reamers, separator knives, lead files, etc., Terminal connecter. Battery Equipment & Supply Co. 160,581; Aug. 26.

CLASS 24.

Clothespins. R. Sweers. 197,178; Aug. 26.
Nets, Laundry. Tingue, Brown & Co. 182,077–8; Aug. 26.

CLASS 26.

Measuring electrical current pressure and resistances, Combined instrument for. Automatic Coil Winder and Electrical Equipment Company Limited. 199,030; Aug. 26.
Strength or stretch of materials, Machines for testing. Henry L. Scott & Company. 199,954; Aug. 26.

CLASS 27.

Clocks and time recorders. International Time Recording Company of New York. 196,811; Aug. 26.
Watchcase. Emerson Watch Case Co. 197,018; Aug. 26.
Watches. New Haven Clock Co. 197,037; Aug. 26.
Watches, watch movements, watchcases, etc. Fils de R. Picard & Co., Fabrique Invicta, Invicta Manufacturing Co. 188,750; Aug. 26.

CLASS 28.

Brooches, scarfpins, and cuff buttons. Karl Guggenheim, Inc. 192,177; Aug. 26.
Buckles, Belt. Marathon Company. 178,052; Aug. 26.
Buttons, metal insignia and ornaments, etc. N. S. Meyer, Inc. 193,344; Aug. 26.
Pearls, Artificial. Blauer Goldstone Company. 191,053; Aug. 26.
Silver dinner service, Sterling-. Gorham Manufacturing Company. 196,588; Aug. 26.

CLASS 29.

Powder puffs. M. Levy. 198,649; Aug. 26.

CLASS 32.

Bureaus, tables, bedsteads, etc. Bagby Furniture Company. 180,737; Aug. 26.
Cabinets. Advance Appliance Company. 197,526; Aug. 26.
Service wagons, tea wagons, or tea carts. Herkimer Specialties Corporation. 183,151; Aug. 26.
Tables and juvenile tables and chairs. Benjamin Electric Manufacturing Company. 182,785; Aug. 26.

CLASS 34.

Burners, fixtures, brackets., etc., Gas. Incandescent Supply Company. 199,624; Aug. 26.
Lamp shades. Rindsberger Manufacturing Corporation. 194,569; Aug. 26.

CLASS 35.

Belting, Leather. Charles Bond Company. 180,414; Aug. 26.
Belting, Leather machine. E. Handley. 179,149; Aug. 26.
Gaskets. L. M. Dieterich. 183,647; Aug. 26.
Packing rings, Metal. Stewart Manufacturing Corporation. 199,957; Aug. 26.
Packings, Leather. Graton & Knight Manufacturing Company. 196,384; Aug. 26.
Tires, Vehicle. Fisk Rubber Company. 199,982–3; Aug. 26.

CLASS 36.

Harmonicas. M. Hohner, Inc. 198,409; Aug. 26.
Horns. Simson & Frey, Inc. 198,090; Aug. 26.
Musical instruments, Reeds for wood-wind. Carl Fischer Inc. 197,067; Aug. 26.
Pianos and piano players and parts thereof and music rolls. C. C. Conway, R. O. Ainslie, and T. P. Brown, cotrustees. 192,214; Aug. 26.
Violins, violas, violoncellos, etc. Ernst H. Roth Co. 197,171; Aug. 26.
Violins, violas, violoncellos, etc. Simson & Frey, Inc. 197,222; Aug. 26.

CLASS 38.

Cards, Printed. D. F. Matson. 194,280; Aug. 26.
Magazine, Furniture. Hartman Furniture & Carpet Company. 197,811; Aug. 26.
Newspaper and periodical writings, Nom de plume for. W. J. F. Dailey. 198,401; Aug. 26.
Newspaper article. Daily Trade Record Co. of N. Y. 197,418; Aug. 26.
Publication. California Almond Growers Exchange. 192,894; Aug. 26.
Publication. Moore & Evans. 198,531; Aug. 26.
Publication, Annual. A. C. Hoff. 196,706; Aug. 26.
Publication title. Armstrong-Kilbourne, Inc. 198,279; Aug. 26.
Publication, Weekly. Petroleum Publishing Company. 197,044; Aug. 26.

CLASS 39.

Corsets. R & G Corset Company. 198,250; Aug. 26.
Corsets, brassières, and underwear for women. Kops Bros., Inc. 198,576; Aug. 26.
Dresses, Children's. Grayona Needlecraft Corporation. 198,569; Aug. 26.
Hats. Commercial Headwear Co. 198,566; Aug. 26.
Hosiery. Cliver-Wright-Rainey Co. 198,619; Aug. 26.
Hosiery. Colonial Knitting Mills, Inc. 198,620; Aug. 26.
Hosiery and neckties. T. P. McCutcheon & Bro., Incorporated. 198,718; Aug. 26.
Rubber and composition soles and heels. Endicott Johnson Corporation. 198,404; Aug. 26.
Slippers. Maid-Rite Corporation. 188,686; Aug. 26.
Suits and overcoats. Scheyer & Co. 198,683; Aug. 26.
Suits, Ladies' and misses'. John Wanamaker, New York. 179,837; Aug. 26.
Underwear, sweater coats, bathing suits, etc., Knitted. Schultz-Rosky-Block Co. 198,684; Aug. 26.
Welting for boots and shoes. Barbour Welting Company. 198,556; Aug. 26.

CLASS 40.

Elastic, Puffed. Nichols Mfg. Co. 198,467; Aug. 26.
Shields, Dress. R-K Shield Co. 198,478; Aug. 26.
Trimmings in the piece, Dress. Marshall Field & Company. 193,913; Aug. 26.

CLASS 42.

Blankets and piece goods, Cotton. Massachusetts Cotton Mills. 198,009; Aug. 26.
Cotton piece goods. Bradford Dyeing Association, (U. S. A.). 199,526; Aug. 26.
Cotton piece goods. Trippe, Barker & Co. 199,588; Aug. 26.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,523; Aug. 26.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, U. S. A.). 199,525; Aug. 26.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,528; Aug. 26.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,530; Aug. 26.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,532–5; Aug. 26.
Cotton, silk, wool, or worsted fabrics. Hacker Pleating Co. 199,284; Aug. 26.
Linen and cotton piece goods. A. W. Arentsen & Co. 197,408; Aug. 26.
Silk and wool piece goods. Edward Bloom Co. 199,875; Aug. 26.
Silk piece goods. E. H. Behrens & Co. 199,602; Aug. 26.
Woolens and worsteds in the piece. Blake & Stearns. 180,920; Aug. 26.
Woolens and worsteds in the piece. Blake & Stearns. 199,671; Aug. 26.

CLASS 43.

Silk thread and yarn, Artificial-. Naamlooze Vennootschap Hollandsche Kunstzijde Industrie. 195,409; Aug. 26.

CLASS 45.

Beverage sold as a soft drink and sirup for making the same. Clicquot Club Company. 199,608; Aug. 26.
Extract for beverage purposes. Choctaw Flavor Products Co. 199,275; Aug. 26.
Extract for the manufacture of a beverage. Dill Company. 199,047; Aug. 26.
Flavoring extracts, concentrates, sirups. T. Gruenbaum. 197,146; Aug. 26.

CLASS 46.

Bread. Dependable Products Co. 178,094; Aug. 26.
Bread. C. F. Hathaway & Sons. 177,083; Aug. 26.
Candies. Walla Walla Candy Company. 173,945; Aug. 26.
Candy. Bonita Co. 189,097; Aug. 26.
Candy. J. G. McDonald Chocolate Company. 199,378; Aug. 26.
Candy. Underwood-Talmage Co. 199,406; Aug. 26.
Candy. Underwood-Talmage Co. 199,441; Aug. 26.
Candy. F. L. Vilas. 197,521; Aug. 26.
Candy. Virginia Baking Co. 199,443; Aug. 26.
Candy, Chocolate. Eline's Incorporated. 198,295; Aug. 26.
Canned berries and fruit. Olympia Canning Company. 199,714; Aug. 26.
Canned fruits and vegetables. Hunt Brothers Packing Company. 193,521; Aug. 26.
Cereals, Breakfast. Mapl-Flake Mills, Inc. 199,845; Aug. 26.
Cocoa, coffee, barley, jellies, etc. Charles & Co. 195,154; Aug. 26.
Coffee. Bay City Milling Company. 198,169–70; Aug. 26.
Coffee. Carolina Coffee Co. 199,675; Aug. 26.
Coffee, tea, spices, jams, etc. Hewlett Brothers Company. 200,045; Aug. 26.
Confections. H. Maillard. 197,546; Aug. 26.
Crackers and cake. Acme Cracker Co. 189,543; Aug. 26.
Food and ice-cream flavors. Orange Crush Company. 176,498; Aug. 26.
Food product. Marshak Maltmolak Co. 198,464; Aug. 26.
Grapes. Alberti Brothers. 199,515; Aug. 26.
Ice cream. Bridgeman-Russell Company. 198,397; Aug. 26.
Ice-cream cones. Roberts Cone Manufacturing Company. 198,680; Aug. 26.
Ice-cream confections and for fancy drinks, Topping for. Tip-Top Bottling Company. 196,991; Aug. 26.
Lemon and vanilla extracts. Newmark Brothers. 190,425; Aug. 26.
Macaroni and other alimentary pastes. Rocco Perretta & Co. 198,884; Aug. 26.
Meats, pork products, lard. T. T. Keane Company. 181,081; Aug. 26.
Oats, Rolled. Northern Illinois Cereal Company. 197,828; Aug. 26.
Oil, Olive. D. Guarneri. 198,800; Aug. 26.
Oranges, Fresh. Fullerton Mutual Orange Association. 197,874–5; Aug. 26.
Pastry containers for ice cream, etc., Chocolate or candy coated. Choco-Ice Company. 198,617–18; Aug. 26.
Peaches, apricots, melons. C. B. Rumble. 197,835; Aug. 26.
Peaches, Fresh. D. C. Westbrook. 197,643; Aug. 26.
Salad dressings. Handley Products Company. 195,108; Aug. 26.
Sandwiches. F. J. Blair. 199,670; Aug. 26.
Sugar, fresh potatoes, canned apples, etc. Western Grocer Company. 198,692; Aug. 26.

CLASS 48.

Sirup, Malt. Blatz Products Company. 188,656; Aug. 26.

CLASS 49.

Brandy. F. Culman. 198,733; Aug. 26.

CLASS 50.

Cork sole welting. Haley-Cate-Rockwood Company. 182,905; Aug. 26.
Corks and caps and cork bulletin boards, Bottle. L. Mundet & Son, Inc. 199,950; Aug. 26.
Hat stretchers. B. J. Garfunkel. 195,881; Aug. 26.
Luminous pendants and buttons. Arrow Electric Company. 198,046; Aug. 26.
Metal caps and closures. American Metal Cap Co. 199,203; Aug. 26.
Receptacle closure. Crown Cork and Seal Company. 199,776; Aug. 26.
Tarpaulins and tents. Crawford-Austin Manufacturing Co. 199,681; Aug. 26.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Fred, Watts, Calif. Holding device. 1,506,147; Aug. 26.

Accounting Devices Company. (See Olsen, George A., assignor.)

Acme Steel Goods Company. (See MacChesney, Chester M., assignor.)

Adamson, Veletta, Pocatello, Idaho. Vehicle direction indicator. 1,506,353; Aug. 26.

Addison, Phil. (See Adelson, Samuel L., assignor.)

Adelson, Samuel L., New York, assignor of one-half to P. Addison, Rockaway Beach, N. Y. Amusement device. 1,505,992; Aug. 26.

Adreon, Robert E., St. Louis, Mo., and C. P. Cass, Berkeley, Calif., assignors to The American Brake Company, St. Louis, Mo. Slack adjuster. 1,505,937; Aug. 26.

Adreon, Robert E., St. Louis, Mo., and C. P. Cass, Berkeley, Calif., assignors to The American Brake Company, St. Louis, Mo. Slack adjuster. 1,505,938; Aug. 26.

Agasote Millboard Co. (Cormie, John, assignor.)

Agasote Millboard Co., The. (See Sutherland, Daniel M., Jr., assignor.)

Ahlbell Battery Container Corporation. (See Bello, M., and Bretson, assignors.)

Ainsworth, Hinckley C., and P. H. Murray, Los Angeles, Calif. Automatic fuel control for water heaters. 1,506,402; Aug. 26.

Ainsworth Manufacturing Company. (See Purdy, R. J., and Potter, assignors.)

Air Reduction Company. (See Anderson, James L., assignor.)

Airdry Corporation. (See Bassette, J. G., and Corwin, assignors.)

Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)

Akemann, Walther, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Apparatus for determining a magnitude which varies with the time. 1,505,935; Aug. 26.

Akemann, Walther, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electrical switch. 1,506,606; Aug. 26.

Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Gagg, Anton, assignor.)

Alais, Herbert P. (See Marsh A., and Alais.)

Alden, Herbert W., and L. R. Buckendale, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Driving-axle construction. 1,506,037; Aug. 26.

Alexander, Lewis, assignor to Clinton Novelty Co., Clinton, Ill. Child's vehicle. 1,506,726; Aug. 26.

Algeo, John S., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass decanter. Des. 65,460; Aug. 26.

Allis-Chalmers Manufacturing Company. (See Javorsky, Joseph, assignor.)

Allis-Chalmers Manufacturing Company. (See Yunker, William E., assignor.)

Allison, Gustave, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y. Shrapnel-salvaging apparatus and method. 1,506,354; Aug. 26.

Allman, John L. (See Hough, A., Leonhard, Dufford, and Allman.)

Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)

Alvey Manufacturing Company. (See Rebstock, August J., assignor.)

American Brake Company, The. (See Adreon, R. E., and Cass, assignors.)

American Dressler Tunnel Kilns, Inc. (See Dressler, Philip, assignor.)

American Frog & Switch Company, The. (See Crawford, Robert G., assignor.)

American Investigation Corporation. (See Schuette, Johann, assignor.)

American Meter Company. (See Lane, George A., assignor.)

American Stamping Co. (See Ordway, Donald P., assignor.)

American Steel Foundries. (See Whitney, Loren L., assignor.)

Anderson, Daniel E., Yuba City, Calif. Leveler attachment to vehicles. 1,506,551; Aug. 26.

Anderson, Harley E., assignor of one-third to W. L. Kellogg, Chicago, Ill., and one-third to W. H. Miner, Chazy, N. Y. Clutch-control mechanism. 1,506,607; Aug. 26.

Anderson, Henry G., Inwood, Iowa. Horse-collar pad. 1,505,936; Aug. 26.

Anderson, Henry J. (See Evensta, E. G., and Anderson.)

Anderson, James L., Bayonne, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Automatic adjuster for tube-welding machines. 1,506,038; Aug. 26.

Anderson, Virgil C., assignor of one-half to C. T. H. Wright, San Francisco, Calif. Carburetor vaporizer. 1,506,148; Aug. 26.

Angell, Chester M., Chicago, Ill., assignor to Vesta Battery Corporation. Storage-battery container or similar article. Des. 65,461; Aug. 26.

Angus, Donald J., Indianapolis, Ind. Resistance meter. 1,506,552; Aug. 26.

Anthony, Martin M., Harrisonville, Mo. Transferring device for railway motor cars. 1,506,213; Aug. 26.

Arrow Electric Company, The. (See Carlson, Johannes R., assignor.)

Art Industries, Inc. (See Henker, Willy, assignor.)

Aston, Gordon L., Chicago, Ill. Packing crate. 1,506,355; Aug. 26.

Austin, Bascum O., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. Re15,898; Aug. 26.

Austin Machinery Corporation. (See French, James C., assignor.)

Auto-Wheel Coaster Company. (See Klatt, Rudolph A., assignor.)

Automatic Electric Company. (See Lomax, Clarence E., assignor.)

Automatic Electric Company. (See Richardson, Rodney G., assignor.)

Baily, Thaddeus F., Alliance, Ohio. Electric furnace. 1,506,281; Aug. 26.

Bain, Benjamin F. (See Hetzner, Albert, assignor.)

Baker, Benjamin H., Bristol, England. Springing of vehicles. 1,506,030; Aug. 26.

Baker, Harry J., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Storage battery. 1,506,403; Aug. 26.

Baker, R. & L., Company, The. (See Remde, Edward H., assignor.)

Baldwin, James G., Asheville, N. C. Oiling system for internal-combustion engines. 1,506,553; Aug. 26.

Bane, Robert D., Long Beach, and E. W. Goeser; said Goeser assignor to Union Tool Company, Torrance, Calif. Well-rig traveling block. 1,506,040; Aug. 26.

Bankers Electric Protective Association. (See Crawford, Franklin B., assignor.)

Barbieri, Joseph, St. Vincent de Paul, Quebec, Canada. Electric shoe. 1,506,282; Aug. 26.

Barkalow, Edgar A., assignor of one-half to O. J. Hollowell, Kokomo, Ind. Electrolyte for storage batteries. 1,505,993; Aug. 26.

Barrett Company, The. (See Rhodes, Frederick H., assignor.)

Bartolomucci, Quirino, New York, N. Y. Hydrocycle. 1,506,283; Aug. 26.

Bartram, Frederick S. (See Lee, Charles W., assignor.)

Bassette, John G., and C. D. Corwin, assignors to Airdry Corporation, Groton, N. Y. Drying apparatus. 1,506,041; Aug. 26.

Basso, Ernesto, Vigevano, assignor to The Societa Italiana Brevetti per Filatura, Bertuletti & C., Milan, Italy. Draw frame. 1,506,554; Aug. 26.

Bastian Bros. Co. (See Bott, Joseph, assignor.)

Bastian Bros. Company. (See Bott, J., and Mitchel, assignors.)

Batchelor, Harry D., New York, N. Y., assignor to National Carbon Company, Inc. Hermetically-sealed dry cell. 1,505,939; Aug. 26.

Bauer, Carl E., Hammond, Ind. Cultivator. 1,506,042; Aug. 26.

Bayer, Frank, Majestic, Ky. Attachment for miners' caps. 1,506,608; Aug. 26.

Beadle, George W., Stamford, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Machine for molding plastic material and the like. 1,506,149; Aug. 26.

Beaton & Caldwell Manufacturing Company, The. (See Burns, E. P., and Le Witt, assignors.)

Beaty, James T., assignor to Liddell Company, Charlotte, N. C. Press feeder. 1,506,150; Aug. 26.

Bedwell, George, and P. Webb, Sacramento, Calif. Revolving scoop or ditch cleaner. 1,506,555; Aug. 26.

Beebee, George B., Brooklyn, N. Y., assignor to E. L. Fondeville, East Orange, N. J. Plate or similar article. Des. 65,462; Aug. 26.
Bello, Marino, Highland Park, and J. J. Bretson, assignors to Ahlbell Battery Container Corporation, Waukegan, Ill. Manufacturing containers. 1,506,214; Aug. 26.
Benedict, Charley D., Marion, Ind. Adjustable spirit level. 1,506,556; Aug. 26.
Benkö, Iván, Vienna, Austria. Tool holder. 1,506,331; Aug. 26.
Benner, Raymond C., Bayside, assignor to The Prest-O-Lite Company, Inc., New York, N. Y. Storage-battery vent. 1,506,216; Aug. 26.
Benner, Raymond C., Bayside, and H. F. French, Flushing, N. Y., assignors to National Carbon Company, Inc. Dry cell and making the same. 1,506,217; Aug. 26.
Bennett, William H., Victoria, British Columbia, Canada. Disinfecting device in combination with telephone mouthpieces. 1,506,284; Aug. 26.
Berdon', Albert E., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Driving mechanism for knitting machines. 1,506,151; Aug. 26.
Berdon', Albert E., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Stop mechanism for knitting machines. 1,506,152; Aug. 26.
Berdon', Albert E., Detroit, Mich., assignor, by mesne assignments, to J. K. Lanning, Fall River, Mass. Take-up mechanism for knitting machines. 1,506,153; Aug. 26.
Berglund, Edward S., Djursholm, Sweden. Converting zinc powder into fluid zinc. 1,506,609; Aug. 26.
Bern, Emil, and W. G. Werts, Des Moines, Iowa. Road-surface maintainer. 1,506,473; Aug. 26.
Berryman, James H., Snoqualmie, Wash. Safety lock for belt-tightening mechanism. 1,505,940; Aug. 26.
Berthelsen, Hans J. V., A. L. Hansen, and J. Jensen, Copenhagen, Denmark. Universal machines for joinery work. 1,506,154; Aug. 26.
Besbgetoor, Alonzo W., Midland, Mich. Picture framing. 1,506,215; Aug. 26.
Bettis, William L., Los Angeles, Calif. Air lift. 1,506,474; Aug. 26.
Bibby, James, London, England. Power-transmission coupling. Re15,903; Aug. 26.
Biddle, Jacob S., and J. P. Thompson, Leavenworth, Kans. Clutch brake. 1,505,941; Aug. 26.
Binns, Ralph H., Pittsburgh, Pa. Closure member. 1,506,285; Aug. 26.
Binns, Ralph H., New York, N. Y. Closure lock. 1,506,286; Aug. 26.
Bird, Reginald W. (See Regnier, Adrien E., assignor.)
Bird, William, St. Albans, England. Antivibration suspension device. 1,506,557; Aug. 26.
Bishop, Addison, St. Louis, Mo. Pop-corn-candy mixer. 1,506,155; Aug. 26.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Table-leg shoe. 1,506,043; Aug. 26.
Björklund-Asperén, Anna, Stockholm, Sweden. Display holder and container for educational cards. 1,506,156; Aug. 26.
Blake, George W., and C. E. Sheldon, Riggleswade, England. Jointing composition. 1,506,044; Aug. 26.
Blanton, Elma O., Jacksonville, Fla. Producing manikin actors. 1,505,942; Aug. 26.
Blayney-Murphy Company. (See Murphy, Joseph P., assignor.)
Bloom, William O., Boylston, Mass. Bib or apron for dentists' use and the like. 1,506,332; Aug. 26.
Boettcher, Arthur H. (See Willis, G. M., and Boettcher.)
Bohrer, Charles J., and C. E. Nachtrab, Toledo, Ohio. Internal-combustion engine. 1,505,943; Aug. 26.
Bolls, Dess B., Washington, D. C. Chafing shield. 1,506,558; Aug. 26.
Bonnevie, Germain P., Rive-de-Gier, France. Rear axle for motor vehicles constituting a driving and change-speed unit. 1,506,333; Aug. 26.
Booth, Perley O., Ivan, Tex. Manhole cover for oil tanks. 1,506,610; Aug. 26.
Booth, Sheldon M., Chicago, Ill. Shoe-polishing device. 1,506,404; Aug. 26.
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Bott, Joseph, assignor to Bastian Bros. Co., Rochester, N. Y. Means for uniting two metal parts. 1,506,356; Aug. 26.
Bott, Joseph, and C. F. Mitchel, assignors to Bastian Bros. Company, Rochester, N. Y. Means for uniting two parts. 1,506,357; Aug. 26.
Bourchelx, Aimé, Brooklyn, assignor of one-half to S. E. Hann, Sheepshead Bay, N. Y. Spark plug. 1,506,559; Aug. 26.
Bovey, Jesse G., Lincoln, Nebr. Signal. 1,506,334; Aug. 26.
Bowen, Alfred D., Suffolk, Va. Display rack. 1,506,611; Aug. 26.
Bower, Sigmund, Brooklyn, N. Y. Swimming belt. 1,506,359; Aug. 26.
Boyer, Henry, Milford, Ill. Sparrow trap. 1,506,045; Aug. 26.
Brace, William D. S., North Bangor, N. Y. Pet-cock operating device. 1,506,106; Aug. 26.
Brainard, George C., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Pressed-steel spring hanger for automobile frames. 1,506,157; Aug. 26.
Bretson, Jack J. (See Bello, M., and Bretson.)
Brewer, Humphries W., Du Bois, Pa. Indicator for centering tires. 1,506,158; Aug. 26.
Briasco, Remo, New York, N. Y. Music-leaf turner. 1,506,360; Aug. 26.
Bridgwater, Herbert E., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,506,287; Aug. 26.
Bridgeford, John J., assignor to Keystone Refractories Co., Inc., Philadelphia, Pa. Hand-operated stoker mechanism for furnaces. 1,506,560; Aug. 26.
Broadbridge, Walter, and E. Edser, assignors to Minerals Separation Limited, London, England. Treatment of emulsions. 1,505,944; Aug. 26.
Brogdex Company. (See Ricketts, Homer C., assignor.)
Brophy, John P., Cleveland Heights, Ohio. Stock rest for lathes and like machines. 1,506,107; Aug. 26.
Brophy, John P., Cleveland Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Stock rest. 1,506,108; Aug. 26.
Brown, Walter G., Balboa, Canal Zone, Panama. Rack. 1,506,335; Aug. 26.
Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Acid-proof tank or container. 1,506,288; Aug. 26.
Brügger, Xaver, Horgen, Switzerland. Winding device for yarns. 1,506,159; Aug. 26.
Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
Brussell, David, Philadelphia, Pa. Electrolier. Des. 65,463; Aug. 26.
Bryan, Robert N., and G. M. Meigs, Pittsburgh, Pa. Turn-over table. 1,506,047; Aug. 26.
Buck, Arthur W., assignor to Cinderella Heel Corporation, St. Louis, Mo. Heel and attaching plate therefor. 1,506,289. Aug. 26.
Buckendale, Lawrence R. (See Alden, H. W., and Buckendale.)
Buck's Stove & Range Company. (See Templeton, Jones T., assignor.)
Bulask, Francis J., assignor to The Pictures Development Co., Toledo, Ohio. Disk printing. 1,506,361; Aug. 26.
Bullock, Walter H., assignor of forty-nine per cent to F. W. Procter, New York, N. Y. Radio receiving system. 1,506,046; Aug. 26.
Bundy, Harry W., Detroit, Mich. Tinning machine. 1,505,994. Aug. 26.
Burch, George R., New York, N. Y., assignor to L. Stevens, Glen Ridge, N. J. Phonograph. 1,506,160; Aug. 26.
Burkel, Mathew J., Aurora, assignor of one-fourth to C. E. Mehlhope, Chicago, Ill. Pneumatic drill. 1,506,405; Aug. 26.
Burkholder, Grover F., Newark, Ohio. Cement-block mold. 1,506,475; Aug. 26.
Burns, Edward P., and G. Le Witt, assignors to The Beaton & Caldwell Manufacturing Company, New Britain, Conn. Flush valve. Des. 65,464; Aug. 26.
Burton, Elbert G., Columbia, Tenn. Separator for storage batteries. 1,506,561; Aug. 26.
Buschardt, William F., Baltimore, Md. Clip. 1,506,612; Aug. 26.
Button, Leroy R., Kittanning, Pa. Sound-reproducing device. 1,506,562; Aug. 26.
C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)
Cadman, Addi B., Beloit, Wis., assignor to Warner Manufacturing Company. Dumping vehicle. 1,505,995; Aug. 26.
Caldwell, William A., Manila, P. I. Inner tube for pneumatic tires. 1,506,161; Aug. 26.
Calvert, John G., and D. C. Clinton, Oakland, Calif. Butter cutter. 1,505,945; Aug. 26.
Camp, Onofre, Barranquilla, Colombia. Aerial transport system. 1,506,613; Aug. 26.
Cardwell, John W., assignor of one-half to F. Z. Stover, Republic, Kans. Oiler for poultry and animals. 1,506,290; Aug. 26.
Carlson, Johannes R., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,506,563; Aug. 26.
Carman, Alvin O., Potterville, Mich. Wrench. 1,506,362; Aug. 26.
Carnochan, John W., Rochester, N. Y., assignor to A. M. Ecclestone, St. Catharines, Ontario, Canada. Street or station indicating apparatus. 1,506,109; Aug. 26.
Carver, Albert E., Beech Bottom, assignor of one-half to J. E. Montgomery, Wheeling, W. Va. Slip regulator for electric motors. 1,506,406; Aug. 26.
Cass, Christopher P. (See Adreon, R. E., and Cass.)
Cassinelli, Louis. (See Fredette, Frank H., assignor.)
Castets, Louis B., Benejacq, France. Evaporating apparatus. 1,506,218; Aug. 26.
Cattoni, Albino, Bradford, Pa. Pipe coupling. 1,506,564; Aug. 26.
Catucci, Pliny, Newark, N. J. Fishing reel. 1,506,162; Aug. 26.
Celluloid Company, The. (See Lindsay, William G., assignor.)
Chace, William M., Detroit, Mich. Detachable cone for laundry extractors. 1,505,946; Aug. 26.

Chandler Motor Car Company. (See Walker, Hiram L., assignor.)
Chapman, Earl, Oakland, Calif., assignor of one-half to P. McCarroll, Boise, Idaho. Block-surfacing machine. 1,505,947; Aug. 26.
Charette, George W., assignor of one-half to H. Donnan, Fort Collins, Colo. Hose coupling. 1,506,048; Aug. 26.
Chase, Lyle G., Chestnut Hill, Philadelphia, assignor to Yarnall-Waring Company, Philadelphia, Pa. Steam trap. 1,506,291; Aug. 26.
Chase, Sherwood M., Columbus, Ohio. Jack. 1,505,948; Aug. 26.
Chase, Sherwood M., Columbus, Ohio. Bearing. 1,506,710; Aug. 26.
Chase, Sherwood M., Columbus, Ohio. Valve. 1,506,711; Aug. 26.
Cheplin, Harry A. (See Rettger, L. F., and Cheplin.)
Cheshire, Edward, Berlin Township, Waukesha County, Wis. Composing-room saw mitering arrangement. 1,506,407; Aug. 26.
Chicago Pneumatic Tool Company. (See Smith, W. A., and Dockham, assignors.)
Chiron, Hippolyte M., and F. Parme, New York, N. Y. Clarinet and saxophone mouthpiece. 1,506,363; Aug. 26.
Chiron, Hippolyte M., and F. Parme, New York, N. Y. Reed for saxophone or clarinet mouthpieces. 1,506,364; Aug. 26.
Chuey, Michael B. (See Kukura, Stephen M., assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Cinderella Heel Corporation. (See Buck, Arthur W., assignor.)
Citizens of the United States of America. (See Lindauer, A. C., and Hunt, assignors.)
Citizens of the United States of America, The. (See Lord, Edwin C. E., assignor.)
Citizens Savings and Trust Company, The. (See Lincoln, John C., assignor.)
Clark, Carl S., assignor of one-half to P. A. Porteous, Cleveland, Ohio. Reciprocating engine. 1,506,219; Aug. 26.
Clarke, Ernest, St. Louis, Mo., assignor, by mesne assignments, to Wagner Electric Corporation. Commutator. 1,506,408; Aug. 26.
Classen, Richard, Schenectady, N. Y., assignor to General Electric Company. Solenoid-operating mechanism. 1,506,409; Aug. 26.
Clatworthy, William E., Cleveland, Ohio. Velocipede. 1,506,565; Aug. 26.
Clement, Louis, Evangeline, La. Safety clutch release. 1,506,110; Aug. 26.
Cleveland Automatic Machine Company, The. (See Brophy, John P., assignor.)
Climax Engineering Company. (See Wishart, W., and Morrell, assignors.)
Clinchfield Carbocoal Corporation. (See McLaughlin, J. W., and Gell, assignors.)
Clinton, Dwight C. (See Calvert, J. G., and Clinton.)
Clinton Novelty Co. (See Alexander, Lewis, assignor.)
Coffee, William R., Brooklyn, N. Y. Removable lining for closets. 1,506,566; Aug. 26.
Cohn, Irwin E., New York, N. Y. Baby's rattle. 1,506,567; Aug. 26.
Coldwell, Arthur J., assignor to Ideal Engine Company, Lansing, Mich. Lawn mower. 1,506,163; Aug. 26.
Cole, Eugene M., Charlotte, N. C. Gear-positioning mechanism. 1,506,568; Aug. 26.
Columbia Phonograph Company. (See Beadle, George W., assignor.)
Columbia Salvage Corporation. (See Allison, Gustave, assignor.)
Comas Cigarette Machine Company. (See Kerlin, Eugene G., assignor.)
Combellick, William, Gettysburg, S. Dak. Stock-watering trough. 1,506,336; Aug. 26.
Computing-Tabulating-Recording Co. (See Peirce, John R., assignor.)
Condit Electrical Manufacturing Company. (See Condit, Sears B., jr., assignor.)
Condit, Sears B., jr., Brookline, assignor to Condit Electrical Manufacturing Company, South Boston, Mass. Renewable electric fuse. 1,506,049; Aug. 26.
Consolidated Car-Heating Company. (See Haynes, Lee P., assignor.)
Cook, A. D., Inc. (See Nicholas, Andrew J., assignor.)
Cook, William F., Pittsburgh, Pa. Shoe-tongue holder. 1,506,614; Aug. 26.
Cooper, Harold D. (See Kinder, C. L., and Cooper.)
Cormie, John, Ewing Township, Mercer County, assignor to Agasote Millboard Co., Trenton, N. J. Apparatus for the manufacture of pulpboards. 1,506,515; Aug. 26.
Corporation of Chemische Fabrik Griesheim-Elektron. (See Zitscher, Arthur, assignor.)
Corsello, Salvator, Brooklyn, N. Y. Barber's magazine powder brush. 1,506,292; Aug. 26.
Corwin, Charles D. (See Bassette, J. G., and Corwin.)
Courtney, Arra E., Kansas City, Mo. Lawn-edge trimmer. 1,506,410; Aug. 26.
Cowell, Frederick A. (See Mensforth, H., and Cowell.)
Cowgill, George W., Chicago, Ill. Tire core. 1,506,411; Aug. 26.
Cox, Henry G., Chicago, Ill. Magneto-electric generator. 1,506,569; Aug. 26.
Craig, Leon A., Cambridge, Ohio. Ice cap. 1,506,516; Aug. 26.
Crawford, Franklin E., Winchester, assignor to Bankers Electric Protective Association, Boston, Mass. Signal for time locks. 1,506,337; Aug. 26.
Crawford, Robert G., Pittsburgh, Pa., assignor to The American Frog & Switch Company, Hamilton, Ohio. Frog for railways. 1,506,412; Aug. 26.
Cremean, William F., Toledo, Ohio. Constructing railway cars. 1,506,615; Aug. 26.
Crompton & Knowles Loom Works. (See Holmes, E. R., Robb, and Howard, assignors.)
Crozet-Fourneyron, Marcel, Le Chambon-Feugerolles, France. Self-acting speed-regulating device for turbines. 1,560,111; Aug. 26.
Cullinan, Thomas F., Providence, R. I. Stake holder. 1,506,476; Aug. 26.
Cutler-Hammer Mfg. Co. (See Graff, George, assignor.)
Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
Cutshaw, Murvin B., Denver, Colo. Calculator. 1,506,112; Aug. 26.
Dahlquist, Theodore W., Dedham, Mass. Boiler. 1,506,050; Aug. 26.
D'Amato, Anthony T., Corona, N. Y. Toilet bowl and tank 1,506,220; Aug. 26.
Dargue, Walter, Halifax, England. Spindle apparatus for cap spinning and like frames. 1,506,293; Aug. 26.
Darlington, Henry S., Media, assignor to A. H. Wirz, Inc., Chester, Pa. Leakproof tube seal. 1,506,413; Aug. 26.
Dashew, Jacob, Baltimore, Md. Device for pressing and steaming caps. 1,506,414; Aug. 26.
Davidson, William D. (See Geeser, E. W., and Davidson.)
Davis, John P. (See Gahn, J. J., Wilkes, and Davis.)
Davis, Roy P. M., Mount Union, Pa. Brickmaking machine. 1,506,221; Aug. 26.
Davis, Roy P. M., and I. F. Hepler, Mount Union, Pa. Pallet machine. 1,506,222; Aug. 26.
Dawson, James W., assignor to J. A. Hedges & Company, Chicago, Ill. Window-shade adjuster. 1,506,223; Aug. 26.
Dayton, Walter C., Rutherford, N. J., assignor to General Oil Gas Corporation, Bristol, Va. Process of and apparatus for making gas. 1,506,164; Aug. 26.
Dean, George E., assignor to Union Steel Products Company, Albion, Mich. Poultry coop or crate. 1,506,570; Aug. 26.
Dearing, Samuel O., Stockton, Calif. Operating mechanism for egg timers. 1,506,113; Aug. 26.
De Becker, Leon A., St. Margarets-on-Thames, England. Carburetor for internal-combustion engines. 1,506,224; Aug. 26.
Deere & Company. (See Witry, L. W., and Livesay, assignors.)
Dennison Manufacturing Company. (See Leach, Lester C., assignor.)
Deremberg, Emil, Pensacola, Fla. Apparatus for extracting milk from coconuts. 1,506,571; Aug. 26.
Desoutter Brothers Limited. (See Desoutter, Charles, assignor.)
Desoutter, Charles, assignor to Desoutter Brothers Limited, London, England. Artificial limb. 1,506,225; Aug. 26
Deveraux, William C., Detroit, Mich. Door-lock installation. 1,506,051; Aug. 25.
Dewey and Almy Chemical Company. (See Dewey, Bradley, assignor.)
Dewey, Bradley, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Adhesively securing articles together. 1,506,415; Aug. 26.
Dewey, Josiah A., Oakland, assignor, by mesne assignments, to Murphy Door Bed Company, San Francisco, Calif. Couch bed. 1,506,416; Aug. 26.
Diamond Expansion Bolt Company. (See Hubener, William A., assignor.)
Dick, Samuel M., Minneapolis, Minn. Centrifugal atomizer. 1,506,226; Aug. 26.
Dionne, Charles, Lowell, Mass. Liquid-supply device for toilet purposes. 1,506,572; Aug. 26.
Dockham, Clarence H. (See Smith, W. A., and Dockham.)
Doherty, Thomas F., Terre Haute, Ind. Metal building construction. 1,506,616; Aug. 26.
Domestic Engine and Pump Company. (See Segner, Charles B., assignor.)
Domizi, David F., Cleveland, Ohio. Rear-axle construction. 1,506,365; Aug. 26.
Dommer, Otto, Karlsruhe, Germany. Method of and apparatus for testing gas mixtures. 1,506,617; Aug. 26.
Donaggio, Alfredo, Winfield, N. Y. Ship scaffold. 1,506,114; Aug. 26.
Donaldson, Robert N., and R. McCollum, Bakersfield, assignors to Standard Oil Company, San Francisco, Calif. Treating petroleum oils. 1,506,115; Aug. 26.
Donals, Stanley M., Rochester, N. Y. Tooth-cleansing device. 1,506,417; Aug. 26.
Donnan, Hugh. (See Charette, George W., assignor.)
Dormand, Harrold, Bayonne, N. J. Suction gas producer for gasifying sawdust and like fuels. 1,506,227; Aug. 26.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive control device. 1,505,949; Aug. 26.

Dowrelio, Antone, Crockett, Calif. Automatic hose reel. 1,506,517; Aug. 26.

Doyle, David, Sydenham, London, England. Apparatus for preventing theft or unauthorized use of motor vehicles. 1,506,165; Aug. 26.

Dressler, Charles E. (See Kahn, A., and Dressler.)

Dressler, Philip, Zanesville, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Tunnel kiln. 1,506,573; Aug. 26.

Drews, Max A., Milwaukee, Wis. Game. 1,506,366; Aug. 26.

Dreyfus, Henry, London, England. Manufacture or treatment of threads of artificial filaments. 1,506,052; Aug. 26.

Dreyfus, Henry, London, England. Manufacture of alkyl, aralkyl, and aromatic compounds. 1,506,228; Aug. 26.

Draught, William H., Watertown, Wis. Animal trap. 1,505,996; Aug. 26.

Drown, Wilbur F., Washington, D. C. Game. 1,506,338; Aug. 26.

Dufford, John R. (See Hough, A., Leonhard, Dufford, and Allman.)

Duncan & Miller Glass Company. (See Duncan, Harry B., assignor.)

Duncan, Harry B., assignor to Duncan & Miller Glass Company, Washington, Pa. Combination cheese and cracker dish. Des. 65,465; Aug. 26.

Dunn, Jack H., assignor to The Dunn Wheat Company Inc., Lexington, Ky. Treating wheat. 1,506,574; Aug. 26.

Dunn Wheat Company, The. (See Dunn, Jack H., assignor.)

Dunston, Wayne E., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,506,518; Aug. 26.

Durham, Byron H., Mulliken, Mich. Tool. 1,506,618; Aug. 26.

Durrant, Albert A. M., assignor to The London General Omnibus Company Limited, London, England. Regulation of the combustible mixture in internal-combustion engines. 1,506,166; Aug. 26.

Dyson, Edward T., Oakland, Calif. Shipping box. 1,506,619; Aug. 26.

E-Z Manufacturing Co. (See Evensta, E. G., and Anderson, assignors.)

Eastern Laboratories, Inc. (See Jancke, Benno F., assignor.)

Eastern Tube and Tool Company. (See Emrick, George W., assignor.)

Eberhardt, Louis A., New York, N. Y. Manufacture of rat poison. 1,506,575; Aug. 26.

Ecclestone, Alfred M. (See Carnochan, John W., assignor.)

Eclipse Machine Company. (See Ellett, Stephen A., assignor.)

Edser, Edwin. (See Broadbridge, W., and Edser.)

Eggertson, Dadi, Baltimore, Md. Combustion-promoting device. 1,506,620; Aug. 26.

Eldon, Albert J., Montclair, assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J. Ball. Des. 65,466; Aug. 26.

Electrothermal Company. (See Homan, John G.)

Elia, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. 1,505,997; Aug. 26.

Ellett, Stephen A., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,505,998; Aug. 26.

Ellwood, William, assignor to Nicholas Power Company, Inc., New York, N. Y. Tension regulator for driving belts. 1,506,167; Aug. 26.

Empire Milking Machine Company. (See Oakes, Ernest C., assignor.)

Emrick, George W., Brooklyn, N. Y., assignor to Eastern Tube and Tool Company. Tapping attachment. 1,506,367; Aug. 26.

Emsco Tool Co. (See Goeser, E. W., and Davidson, assignors.)

Engesser, John A. (See Flickinger, John C., assignor.)

England, William R., Galion, Ohio. Shoe-tree. 1,506,519; Aug. 26.

Enright, John W., New Orleans, La. Stationary chemical-mixing fire-extinguishing system. 1,506,621; Aug. 26.

Ensign, Orville H., Pasadena, Calif. Carburetor. 1,506,229; Aug. 26.

Erikstrup, Christen K., Luck, Wis. Gas burner. 1,506,168; Aug. 26.

Essmann, Friedrich A. A., Altona-Othmarschen, Germany. Weighing scale. 1,506,477; Aug. 26.

Eustice, Alfred L., Chicago, Ill. Clamping mean. 1,506,520; Aug. 26.

Evants, E. F., et al. (See Hammond, C., and Ogle, assignors.)

Evensta, Edwin G., and H. J. Anderson, assignors to E-Z Manufacturing Co., Minneapolis, Minn. Test plug. 1,506,418; Aug. 26.

Faber, Nick, Sioux City, Iowa. Potato-planter attachment for corn planter. 1,506,294; Aug. 26.

Fairmont Gas Engine & Railway Motor Car Company. (See Kasper, Walter F., assignor.)

Fancher, Clarence, Hudson Falls, N. Y. Cutting table. 1,506,368; Aug. 26.

Farbwerke vorm. Meister Lucius & Brüning. (See Streitwolf, Karl, assignor.)

Fargo Engineering Company. (See Fargo, William G., assignor.)

Fargo, William G., assignor to Fargo Engineering Company, Jackson, Mich. Gate for hydraulic structures. 1,506,230; Aug. 26.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,505,950; Aug. 26.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,505,951; Aug. 26.

Fazio, James, Los Angeles, Calif. Dispensing stand. Des. 65,467; Aug. 26.

Fenn, Robert H., Whitestone, N. Y. Automatic box machine. 1,506,116; Aug. 26.

Fenwick, George and M. N., Venice, Calif. Automobile headlight. Des. 65,468; Aug. 26.

Fenwick, Marie N. (See Fenwick, George and M. N.)

Fetters, Charles A., Washington, D. C. Washboard. 1,506,169; Aug. 26.

Fetters, Charles A., Washington, D. C. Syringe. 1,506,170; Aug. 26.

Fielding, George T., Stamford, Conn., assignor to General Electric Company. Display device. 1,506,419; Aug. 26.

Filberg, Christian, Philadelphia, Pa. Game apparatus. 1,506,171; Aug. 26.

Fink, Colin G., Yonkers, assignor to Guggenheim Brothers, New York, N. Y. Metallurgy of tin. 1,506,053; Aug. 26.

Finkhousen, Frank W., Fort Wayne, Ind. Vacuum cleaner. 1,506,231; Aug. 26.

Fintel, Henry, Paullina, Iowa. Hog door. 1,506,622; Aug. 26.

Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)

Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)

Fitz-Empire Double Pivot Last Company. (See Shanisey, Fred J., sr., assignor.)

Flaspoehler, Frank A. (See Flaspoehler, F. J., Stieglitz, and Flaspoehler.)

Flaspoehler, Fred J., W. A. Stieglitz, and F. A. Flaspoehler, Louisville, Ky. Packing ring. 1,506,420; Aug. 26.

Fleming, Douglas P., Chicago, Ill. Doughnut machine. 1,506,232; Aug. 26.

Flickinger, John C., Lehighton, Pa., assignor of one-half to J. A. Engesser, Mauch Chunk, Pa. Disk brake. 1,506,623; Aug. 26.

Florman, Irving, New York, N. Y. Mounting for automobile ornaments. 1,506,521. Aug. 26.

Fondeville, Eugene L. (See Beebee, George B., assignor.)

Forchione, Michele, Chicago, Ill. Flying apparatus. 1,506,624; Aug. 26.

Forder, Emil, Jersey City, N. J. Tapeline holder. 1,506,295; Aug. 26.

Förster, Rudolf, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electric long-distance control. 1,506,625; Aug. 26.

Foss-Hughes Company. (See Noonan, Albert S., assignor.)

Forsyth, Douglas K., Youngstown, assignor of one-third to W. S. Lowrie, Akron, and one-third to R. R. Watt, Massillon, Ohio. Ribbed expanded metal. 1,506,296; Aug. 26.

Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag fastener. 1,506,233; Aug. 26.

Fuller, Frederick L., Ilion, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Ticket-printing mechanism. 1,506,055; Aug. 26.

Fulton Iron Works Company. (See Hurter, Henry, assignor.)

Funnell, Christopher E. (See Garrett, A. O., Funnell, and Hoffman.)

Francis, Edgar A., and W. Salow, Marshalltown, Iowa. Crate. 1,506,627; Aug. 26.

Frank, Charlie H. (See Hunke, R. E., and Frank.)

Frautz, Charles C. (See Penney, H. F., and Frautz.)

Freda, Theophil J., Detroit, Mich. Surface-excavating machine. 1,506,421; Aug. 26.

Fredette, Frank H., assignor, by mesne assignments, to L. Cassinelli, Newark, N. J. Battery filler. 1,506,172; Aug. 26.

Freeman-Daughaday Company. (See McClellan, William, assignor.)

Freer, Frank L., New York, N. Y. Mechanical movement. 1,506,626; Aug. 26.

French, Harry F. (See Benner, R. C., and French.)

French, James C., Muskegon, Mich., assignor to Austin Machinery Corporation, Chicago, Ill. Elongated cube mixer. 1,506,117; Aug. 26.

Fricke, William A., Oak Park, Ill. Phonograph mechanism. 1,505,952; Aug. 26.

Fried. Krupp Aktiengesellschaft. (See Akemann, Walther, assignor.)

Fried Krupp Aktiengesellschaft. (See Förster, Rudolf, assignor.)

Friendly, Herbert M., Portland, Oreg. Telephone system. 1,506,054; Aug. 26.

Gabler, Dessie L., Fond du Lac Wis. Hose supporter. 1,506,298; Aug. 26.

Gaffey, John T. (See Sanchez, John, assignor.)

Gagg, Anton, assignor to the Firm: Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Rotary valve for pipe lines. 1,505,953; Aug. 26.

Gahn, Joseph J., C. B. Wilkes, jr., and J. P. Davis, St. Louis, Mo. Duplicating typewriting and the like. 1,506,478; Aug. 26.

Galland-Henning Mfg. Co. (See Nelson, Karl O., assignor.)

Gansel, Henry, New York, N. Y. Portable electric fan. 1,506,652; Aug. 26.

Garrett, Arthur O., San Diego, C. E. Funnell, and W. L. Hoffman, Los Angeles, Calif.; said Funnell and said Garrett assignors to said Hoffman. Storage-battery cell. 1,506,297; Aug. 26.

Garrigus, Clarence G., Bristol, Conn. Electrical indicating marker. 1,506,576; Aug. 26.

Gautschy, Otto, et al. (See Schauman, Bror M., assignor.)

Gavey, Joseph, et al. (See Pence, Allen T., assignor.)

Geib, William, assignor to International Silver Company, Meriden, Conn. Candlestick or similar article. Des. 65,469; Aug. 26.

Geist Manufacturing Company. (See Wiederwax, Robert W., assignor.)

Geldhof, Peter E., Syracuse, N. Y., assignor, by mesne assignments, to The New York Trust Company, trustee. Pressure compensator for presses. 1,506,628; Aug. 26.

Gell, George H. (See McLaughlin, J. W., and Gell.)

General Electric Company. (See Classen, Richard, assignor.)

General Electric Company. (See Fielding, George T., assignor.)

General Electric Company. (See Haag, Leonhard, assignor.)

General Electric Company. (See Hull, Albert W., assignor.)

General Gas Light Company. (See Humphrey, Hubert R., assignor.)

General Electric Company. (See Norris, Marvin L., assignor.)

General Electric Company. (See Otis, Albert N., assignor.)

General Electric Company. (See Rogers, Harold W., assignor.)

General Electric Company. (See Schade, Paul, assignor.)

General Electric Company. (See Shaifer, Charles W., assignor.)

General Electric Company. (See White, William C., assignor.)

General Oil Gas Corporation. (See Dayton, Walter C., assignor.)

General Railway Signal Company. (See Howe, Winthrop K., assignor.)

General Tire and Rubber Company, The. (See Iredell, Robert, assignor.)

George, William B., Tulia, Tex. Drain cock. 1,506,577; Aug. 26.

Gereke, Edward G., St. Louis, Mo. Cardboard container. 1,505,999; Aug. 26.

Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Von Bronk, Otto, assignor.)

Gibbons, John M., assignor to Lanton Auto Equipment Company, Incorporated, New York. Luggage carrier. 1,506,422; Aug. 26.

Giffin, George H., Miami, Fla. High chair. 1,506,629; Aug. 26.

Gift, Benjamin F., Dunkirk, Ind. Reflector. 1,506,339; Aug. 26.

Gill, Rudolph P., Orange, Va. Satchel alarm. 1,505,954; Aug. 26.

Glackin, Daniel T., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Manifold sheet. 1,506,234; Aug. 26.

Godfrey, Alfred A., London, England. Manufacture of linoleum. 1,506,235; Aug. 26.

Godwin, Arthur M., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for vehicles. Des. 65,470; Aug. 26.

Goeser, Edwin W. (See Bane, R. D., and Goeser.)

Goeser, Edwin W., and W. D. Davidson, Los Angeles, Calif., assignors to Emsco Tool Co. Combined brake and spooling drum. 1,506,479; Aug. 26.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,506,056; Aug. 26.

Gordon, Alexander H., Fontainebleau, France. Putter-club handle. 1,506,523; Aug. 26.

Gordon Electrical Mfg. Co. (See Seltzer, Ira R., assignor.)

Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Door-control apparatus. 1,506,057; Aug. 26.

Govers, Francis X., New York, N. W. Preparing siliceous material. 1,506,118; Aug. 26.

Grade, Hans, Bork, Germany. Punch. 1,506,480; Aug. 26.

Graff, George, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric-heater casing. Des. 65,471; Aug. 26.

Graffam, Walter S., Shrewsbury, Mass. Cramping device. 1,506,481; Aug. 26.

Graham, James S., San Diego, Calif. Doll. 1,506,340; Aug. 26.

Grandahl, Nils E., Hartford, Conn. Sheet-metal-working tool. 1,506,578; Aug. 26.

Graphitwerk Kropfmühl A. G. (See Langheinrich, Max, assignor.)

Graves, Carl R., Clarion, Iowa. Highway-crossing signal for railways. 1,506,630; Aug. 26.

Gray, Elmer E., Cliftondale, Mass. Feed mechanism for envelopes and the like. 1,506,423; Aug. 26.

Gray, Hiram C., Bucyrus, Ohio. Window guard. 1,506,482; Aug. 26.

Greer, Benjamin J., Athens, Tex. Lock. 1,506,236; Aug. 26.

Greuterl, Eduard, & Cie. (See Krause, George A., assignor.)

Griffin, Peter T., Van Zandt, Wash. Nonmucilage self-sealing envelope. 1,506,058; Aug. 26.

Grover, Roy A., Seattle, Wash. Exercising device. 1,506,631; Aug. 26.

Gruetter, John R., Cleveland, Ohio. Dicharge mechanism. 1,506,632; Aug. 26.

Grunbaum, Max, New York, N. Y. Making lead peroxide. 1,506,633; Aug. 26.

Guggenheim Brothers. (See Fink, Colin G., assignor.)

Gulberson Corporation. (See Steen, Buford J., assignor.)

Gulnan, William J., Jersey City, N. J. Game device. 1,506,369; Aug. 26.

Gulde, Lester G., Minneapolis, Minn. Shield. 1,506,299; Aug. 26.

Guttentag, Abe, Cleveland, Ohio. Traffic-signal device. 1,506,370; Aug. 26.

Haag, Leonhard, Berlin-Zehlendorf, Germany, assignor to General Electric Company. Excess-current cut-out. 1,506,483; Aug. 26.

Haanstad, Alfred M., Eau Claire, Wis. Dirigible headlight. 1,506,723; Aug. 26.

Hagen, Hans E., and J. Kjölsrud, Arendal, Norway. Producing concrete poles. 1,506,173; Aug. 26.

Haley, Edward J. (See Wilcom, F., and Haley.)

Hall, Frank H., Bradford, Pa. Pulling machine. 1,506,579; Aug. 26.

Hallborg, Henry E., Norfolk, Va., and H. R. Miller, Washington, D. C. Quick-acting amplifying break key for wireless telegraphy. 1,506,580; Aug. 26.

Halley, Elton P., Sanderson, Tex. Deep-well-casing clamp. 1,506,581; Aug. 26.

Hamilton, Francis F., Indianapolis, Ind. Box. Des. 65,472; Aug. 26.

Hamilton, Francis F., Indianapolis, Ind. Box. Des. 65,473; Aug. 26.

Hamilton, Francis F., Indianapolis, Ind. Box. Des. 65,474; Aug. 26.

Hammond, Charles, and L. S. Ogle, assignors of one-half to J. A. Kleinsmid and E. F. Evants, Phoenix, Ariz. Combination luggage carrier and bed. 1,506,174; Aug. 26.

Hammond, Laurens, New York, N. Y., assignor to The Teleview Corporation, Chicago, Ill. Stereoscopic motion-picture device. 1,506,524; Aug. 26.

Hammond, Lyman P., New York, N. Y. Garment pocket. 1,506,059; Aug. 26.

Hancock, Randolph B., Gary, Ind. Automatic straightening and stripping device for punching and shearing machines. 1,506,424; Aug. 26.

Hangi, Karl P., New York, N. Y. Brake. 1,506,582; Aug. 26.

Hanker, Frederic C., Wilkinsburg, and C. M. Moss, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical system. Re15,899; Aug. 26.

Hann, Sidney E. (See Bourcheix, Aimé, assignor.)

Hannah, Jefferson D., Fayetteville, Ark. Collapsible crate. 1,506,175; Aug. 26.

Hansen, Axel L. (See Berthelsen, H. J. V., Hansen, and Jensen.)

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Core drill bit. 1,506,119; Aug. 26.

Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,506,000; Aug. 26.

Hardinge Company. (See Hardinge, Harry W., assignor.)

Hardinge, Harry W., assignor to Hardinge Company Incorporated, New York, N. Y. Grinding mill and material-removing means therefor. 1,506,120; Aug. 26.

Harley, Oliver E., Louisville, Ky. Steering-rod attachment. 1,506,176; Aug. 26.

Harp, William S., Baltimore, Md. Illuminating device for talking machines. 1,506,300; Aug. 26.

Harrison, James M., Cleveland, Ohio. Apparatus for the exchange of heat. 1,506,121; Aug. 26.

Hart, Louis F., assignor to The Hart Manufacturing Company, Cleveland, Ohio. Diestock. 1,506,484; Aug. 26.

Hart Manufacturing Company, The. (See Hart, Louis F., assignor.)

Harthan, John. (See Von Bichowsky, F., and Harthan.)

Hartshorn, Charles A., Orogrande, N. Mex. Plow. 1,506,634; Aug. 26.

Hassler, Robert H., Indianapolis, Ind. Shock-absorber mounting for vehicles. 1,506,635; Aug. 26.

Hazel-Atlas Glass Company. (See Algeo, John S., assignor.)

Healey, Katherine G., Cambridge, Mass., assignor to Nashua Manufacturing Company, Nashua, N. H. Blanket. Des. 65,475; Aug. 26.

Hearn, John F. (See Reynolds, J. N., and Hearn.)

Hedges, J. A., & Company. (See Dawson, James W., assignor.)

Hegedüs, András. Selbr. S. Dak. Bed. 1,506,525; Aug. 26.

Hein, George N., San Francisco, Calif. Sun and glare shade for vehicles. Re15,904; Aug. 26.
Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Clutch. 1,506,177; Aug. 26.
Heise, George W., Elmhurst, N. Y., assignor to National Carbon Company, Inc. Liberation of oil from oil-containing depolarizers. 1,506,425; Aug. 26.
Henker, Willy, Neukolln, near Berlin, Germany. Manufacturing cast articles. 1,506,060; Aug. 26.
Henker, Willy, Berlin, Germany, assignor to Art Industries, Inc., Molding hollow objects. 1,506,061; Aug. 26.
Henker, Willy, Berlin, Germany, assignor to Art Industries, Inc. Molding hollow objects. 1,506,062; Aug. 26.
Hepler, Irvin F. (See Davis, R. P. M., and Hepler.)
Herfort, Frank X., Bergenfield, N. J. Weather vane. Des. 65,476; Aug. 26.
Herron, Ollie L., Chicago, Ill. Vehicle top. 1,505,955; Aug. 26.
Herskovitz, Max, assignor to Peerless Light Company, Chicago, Ill. Electric candle-socket structure. 1,506,063; Aug. 26.
Hervey, Chilian L., trustee. (See Joubert, Lawrence, assignor.)
Hescock, Ethan N., Westfield, N. J., assignor to New Jersey Foundry and Machine Company. Motor brake for electric hoists. 1,506,341; Aug. 26.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel-injecting means for internal-combustion engines. 1,506,636; Aug. 26.
Hetzner, Albert, Chicago, Ill., assignor to B. F. Bain, Pittsburgh, Pa. Toy amusement apparatus. Re15,900; Aug. 26.
Hewes & Potter. (See Hewes, James A., assignor.)
Hewes, James A., Melrose, assignor to Hewes & Potter, Boston, Mass. Man's neckwear. 1,506,178; Aug. 26.
Hill, Elert A., assignor to Stop-Burglar Lock Company, Los Angeles, Calif. Lock tumbler. 1,506,720; Aug. 26.
Hill, Myron F., New York, N. Y. Method of and apparatus for preparing mold surfaces. 1,506,342; Aug. 26.
Hilliard, Joseph A., Tacoma, Wash. Eccentric. 1,506,122; Aug. 26.
Hilts, Simeon D., Minneapolis, Minn. Automatic stooker. 1,506,237; Aug. 26.
Hip Hold Corset Corporation. (See Rhode, Lizzie K., assignor.)
Hirsch, Harry, New York, N. Y. Dispensing container. 1,506,637; Aug. 26.
Hodge, Arthur J., Lomita, assignor to Union Tool Company, Torrance, Calif. Equalizing device. 1,506,485; Aug. 26.
Hoefer, Carl P., Syracuse, N. Y. Glareshield for vehicle headlights. 1,506,238; Aug. 26.
Hofer, Alfred H., Dayton, Ohio. Detachable target butt plate. 1,505,956; Aug. 26.
Hoffman, George W., Houston, Tex. Pipe-coupling attachment for rotary drilling machines. 1,506,583; Aug. 26.
Hoffman, William L. (See Garrett, A. O., Funnel, and Hoffman.)
Hoke, Roy E., Birmingham, Ala. Typewriter keyboard arrangement. 1,506,426; Aug. 26.
Holland, Keron J., and G. D. Webb, Joliet, Ill. Headlight dimmer. 1,506,064; Aug. 26.
Hollander, Charles S., Philadelphia, Pa., assignor to Rohm & Haas Company. Making sulphur dioxide. 1,506,301; Aug. 26.
Holley, Earl. (See Meloche, Daniel H., assignor.)
Hollowell, Orris J. (See Barknlow, Edgar A., assignor.)
Holmes, Elbridge R., W. Y. Robb, and C. R. Howard, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Printing drum. 1,506,343; Aug. 26.
Homan, John G., assignor to Electrothermal Company, Steubenville, Ohio. Medical appliance. 1,506,584; Aug. 26.
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hook, August B., assignor to Night Aero Advertising Corportation, New York, N. Y. Advertising sign. 1,506,638; Aug. 26.
Hook, James H., J. P. Thompson, and M. E. Woodrow, Corsicana, Tex. Organized bunch-building mechanism for spinning or twisting frames. 1,506,639; Aug. 26.
Hopkins, Nevil M., New York, N. Y., assignor to National Carbon Company. Flash light and electrolytic rectifier. 1,506,302; Aug. 26.
Hopkins, Nevil M., New York, N. Y., assignor to National Carbon Company, Inc. Flash light. 1,506,303; Aug. 26.
Hornastaj, Iwan, Cleveland, Ohio. Manikin toy. 1,506,526; Aug. 26.
Horner, William H., et al. (See McCarty, Charles L., assignor.)
Hough, Arthur, Summit, W. C. Leonhard, Passaic, J. R. Dufford, Paterson, and J. L. Allman, East Rutherford, N. J. Power-transmission element. 1,506,239; Aug. 26.
Houle, Arthur J., Holyoke, Mass. Trolley retriever. 1,506,527; Aug. 26.
Howard, Charles R. (See Holmes, E. R., Robb, and Howard.)
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Detachable-unit circuit controller for interlocking machines. 1,506,179; Aug. 26.
Howie, Howard, assignor to Roane Iron Company, Rockwood, Tenn. Burner. 1,506,585; Aug. 26.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Loop-transfer mechanism for knitting machines. 1,506,427; Aug. 26.
Hoyer, Frederick A., Reedley, Calif. Process and apparatus for treating foods. 1,506,528; Aug. 26.
Hruska, Joseph J., Milwaukee, Wis. Beet harvester. 1,505,957; Aug. 26.
Hubener, William A., assignor to Diamond Expansion Bolt Company, New York, N. Y. Anchor-bolt nut. 1,506,123; Aug. 26.
Hubsch, John, Pittsburgh, Pa. Swaging press. 1,506,124; Aug. 26.
Hughes, Burton S., assignor to Zaremba Company, Buffalo, N. Y. Film evaporator. 1,506,001; Aug. 26.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electric oscillator. 1,506,486; Aug. 26.
Hummel, William W., Floyd, Iowa. Sealer. 1,506,640; Aug. 26.
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas heater. 1,506,586; Aug. 26.
Humphreys, Edwin S., and F. Mattern, Chicago, Ill. Spark gap. 1,506,180; Aug. 26.
Hunke, Richard E., and C. H. Frank, Waco, Tex. Combination jig and vise. 1,506,641; Aug. 26.
Hunt, George M. (See Lindauer, A. C., and Hunt.)
Hunt, Rowland, London, England. Box or carton for holding electric lamps and other fragile articles. 1,506,587; Aug. 26.
Huntley, Alton K., Madison, Wis., assignor to National Carbon Company, Inc. Deferred-action dry battery. 1,506,181; Aug. 26.
Hunting, Samuel E., San Francisco, Calif. Valve. 1,505,986; Aug. 26.
Hurst, James, San Francisco, Calif. Governor. 1,506,588; Aug. 26.
Hurter, Henry, assignor to Fulton Iron Works Company, St. Louis, Mo. Cane-crushing apparatus. 1,506,002; Aug. 26.
Hutchings, Eric W., Miramar, Wellington, New Zealand. Means for locking electric-light-globe attachments to holders. 1,506,487; Aug. 26.
Hydraulic Steel Company, The. (See Brainard, George C., assignor.)
Hydraulic Steel Company, The. (See O'Hara, Frank G., assignor.)
Haynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric heater and its mode of manufacture. 1,506,065; Aug. 26.
Ideal Engine Company. (See Coldwell, Arthur J., assignor.)
Iler, Henry H., Hillsboro, N. C. Gear wheel. 1,506,642; Aug. 26.
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Inglis, Henry B., Dayton, Ohio. Duplex control for flexibly-mounted guns. 1,505,959; Aug. 26.
International Coal Products Corporation. (See Smith, Charles H., assignor.)
International Pavement Company, The . (See Whitney, George E., assignor.)
International Silver Company. (See Gelb, William, assignor.)
Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Bias-cutting machine. 1,506,428; Aug. 26.
Ito, Umekichi. (See Sato, R., and Ito.)
Ives, Charles C., assignor of one-half to F. A. Van Dyke, Ogdenburg, N. Y. Ironing board. 1,506,240; Aug. 26.
James Manufacturing Co. (See Olson, John B., assignor.)
Jancke, Benno F., Brooklyn, assignor to Eastern Laboratories, Inc., New York, N. Y. Violet-ray generator. 1,506,344; Aug. 26.
Janovsky, Andy, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Mounting device for lighting fixtures. 1,506,345; Aug. 26.
Jaquet, Charles, Strasbourg-Koenigshoffen, France. Plane sieve. 1,505,960; Aug. 26.
Jaroslawski-Fioret, Simon A., New York, N. Y. Twin-compact vanity case. 1,506,589; Aug. 26.
Jaroslawski-Fioret, Simon A., New York, N. Y. Cosmetic holder. 1,506,590; Aug. 26.
Jarosz, Jan, Lowell, Mass. Attachment for meat-slicing machines. 1,506,529; Aug. 26.
Javorsky, Joseph, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Producing spray nozzles. 1,506,721; Aug. 26.
Jefferson Forge Products Company. (See Wade, Charles E., assignor.)
Jensen, Jens. (See Berthelsen, H. J. V., Hansen, and Jensen.)
Jensen, Jens C., Chicago, Ill. Locking device. 1,506,241; Aug. 26.
Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,506,066; Aug. 26.
Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,506,182; Aug. 26.
Johnson, Bernard P., Cincinnati, Ohio. Toy. 1,506,346; Aug. 26.
Johnson, Grandin V., et al. (See Schauman, Bror M., assignor.)

Johnson, Harry W., et al. (See Schauman, Bror M., assignor.)
Johnson, Joseph J., Savannah, Ga. Wrench. 1,506,643; Aug. 26.
Jones, Lester L., New York, and N. D. Sturges, Bellerose, N. Y.; said Sturges assignor to Multiple Storage Battery Corporation. Battery. 1,506,304; Aug. 26.
Jordan, Orem, Freedom, Pa. Emergency stopping device. 1,506,644; Aug. 26.
Joubert, Lawrence, Williamstown, Ontario, assignor to C. L. Hervey, trustee, Montreal, Canada. Engine air percolator. 1,505,961; Aug. 26.
Kahn, Alfred, and C. E. Dressler, New York, N. Y. Pocket medical case. 1,506,429; Aug. 26.
Kahne, Michael, New York, N. Y. Safety baby carriage. 1,506,347; Aug. 26.
Kalle & Co., Aktiengesellschaft. (See Schmidt, M. P., and Neugebauer, assignors.)
Kambayashi, Kazuo, Kuze-gun, Japan. Thermocouple manometer. 1,506,003; Aug. 26.
Kamin, Israel, Toronto, Ontario, Canada. Desk for cashiers. 1,506,348; Aug. 26.
Karhu, Ollie A., Greybull, Wyo. Box opener. 1,506,591; Aug. 26.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Refrigerator. 1,506,530; Aug. 26.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigeration apparatus. 1,506,531; Aug. 26.
Kasper, Walter F., assignor to Fairmont Gas Engine & Railway Motor Car Company, Fairmont, Minn. Railway hand car. 1,506,488; Aug. 26.
Keck, Carl, Brooklyn, N. Y. Fuel economizer for internal-combustion engines. 1,506,430; Aug. 26.
Keddy, Clifford L., Lynn, Mass. Telephone system. 1,506,125; Aug. 26.
Kégresse, Adolphe, Paris, France. Flexible traction apparatus. 1,506,431; Aug. 26.
Kehoe Preserving Co. (See Smith, George L., assignor.)
Keller, John A., Bay Shore, assignor to Keller Printing Company, New York, N. Y. Machine for printing tickets. 1,506,242; Aug. 26.
Keller Mechanical Engineering Corporation. (See Shaw, John C., assignor.)
Keller Printing Company. (See Keller, John A., assignor.)
Kelley, Charles G. (See Owens, John W., assignor.)
Kellner, Louis, Brooklyn, N. Y. Electric lamp. 1,506,183; Aug. 26.
Kellner, Louis, Brooklyn, N. Y. Safety plug and lamp socket. 1,506,184; Aug. 26.
Kelogg, William L., et al. (See Anderson, Harley E., assignor.)
Kelly, George J., Lynn, Mass. Cleaning implement. 1,506,305; Aug. 26.
Kerlin, Eugene G., assignor to Comas Cigarette Machine Company, Salem, Va. Pasting device for packaging machines. 1,506,645; Aug. 26.
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Clamping buckle. 1,506,349; Aug. 26.
Keystone Refractories Co. (See Bridgeford, John J., assignor.)
Kiefer, Martin, Elmhurst, Ill. Belt fastener. 1,506,489; Aug. 26.
Kieft, Jacob and P. R. Tatroe, Grand Haven, Mich. Snow or ice scooter. 1,506,243; Aug. 26.
Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Radiant gas heater. Des. 65,477; Aug. 26.
Kimmel, Harry B., Highland Park, Mich. Fire pot. 1,506,432; Aug. 26.
Kinder, Cloyd L., and H. D. Cooper, Denver, Colo., assignors to The A. C. Smith Manufacturing Company. Automatic take-up device for brakes. 1,506,490; Aug. 26.
King, Frank O., Glencoe, Ill. Doll. Des. 65,478; Aug. 26.
Kirby, Clyde H., Everton, Mo. Trousers stretcher and creaser. 1,506,244; Aug. 26.
Kirkaldy, Alexander, Brooklyn, assignor to Kirkaldy Engineering Corporation, New York, N. Y. Anode. 1,506,306; Aug. 26.
Kirkaldy, Alexander, Brooklyn, assignor to Kirkaldy Engineering Corporation, New York, N. Y. Electrode. 1,506,307; Aug. 26.
Kirkaldy, Alexander, Brooklyn, assignor to Kirkaldy Engineering Corporation, New York, N. Y. Electrode. 1,506,308; Aug. 26.
Kirkaldy Engineering Corporation. (See Kirkaldy, Alexander, assignor.)
Kirschbraun, Lester, Evanston, Ill. Bituminous composition. 1,506,371; Aug. 26.
Kjekstad, Johannes, New York, N. Y. Sheet construction and making same. 1,506,532; Aug. 26.
Kjölsrud, Jacob. (See Hagen, H. E., and Kjölsrud.)
Klatt, Rudolph A., Tonawanda, assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y. Tire mounting for wheels. 1,506,309; Aug. 26.
Klaus, Martin, Buffalo, N. Y. Grain-car door. 1,506,310; Aug. 26.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Adjustable work support. 1,506,725; Aug. 26.
Klecka, Charles, Astoria, N. Y. Safety razor. 1,506,533; Aug. 26.
Klein, Emil, New York, N. Y. Plaque. Des. 65,479; Aug. 26.
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Socket cover. 1,506,372; Aug. 26.
Kleinsmid, J. A., et al. (See Hammond, C., and Ogle, assignors.)
Kline, Harold B., assignor to National Automatic Teller Corporation, Utica, N. Y. Deposit-receiving machine. 1,506,491; Aug. 26.
Knauf, Paul W., Cynwyd, assignor to Schutte & Koerting Company, Philadelphia, Pa. Gear-actuated valve. 1,506,433; Aug. 26.
Knight, Joseph S., Buffalo, N. Y. Glass scraper. 1,506,534; Aug. 26.
Knight, Louis B., Atlantic City, N. J. Weather strip. 1,506,311; Aug. 26.
Koch, William, et al. (See Schauman, Bror M., assignor.)
Koehring, Philip A. (See Maker, Harry, assignor.)
Koenigsberg, Kurt, Seattle, Wash. Signal for automobiles. 1,506,004; Aug. 26.
Kolstad, Ole O., Duluth, Minn. Mail box. 1,506,646; Aug. 26.
Kotzich, Frank J., Chicago, Ill. Automatic machine for making and applying metallic binding clips to webbing. 1,506,535; Aug. 26.
Kraft, Henry P., Ridgewood, N. J. Dust cap or the like. 1,506,005; Aug. 26.
Kraft, Henry P., Ridgewood, N. J. Water-bottle stopper. 1,506,006; Aug. 26.
Kraus, Hugo H., Chicago, Ill. Artificial-tooth mounting. 1,506,007; Aug. 26.
Krause, Georg A., Munich, Germany, assignor to the Firm Eduard Greutert & Cie., Basel, Switzerland. Exsiccating or concentrating solutions. 1,506,647; Aug. 26.
Kremp, Carl, assignor to H. A. Weymann & Son, Inc., Philadelphia, Pa. Tuning peg for musical instruments. 1,506,373; Aug. 26.
Kuenz, Joseph A., Jackson, Mich. Toy. 1,506,126; Aug. 26.
Kukura, Stephen M., Struthers, Ohio, assignor of one-half to M. B. Chuey. Antitheft device for automobiles. 1,506,350; Aug. 26.
Kunzmann, George G., Cedar Rapids, Iowa. Pump. 1,506,312; Aug. 26.
Lachman, Arthur, San Francisco, Calif., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacturing nitrotartaric acid. 1,506,728; Aug. 26.
Laddon, Isaac M., Dayton, Ohio. Self-locking rudder bar for aircraft. 1,506,008; Aug. 26.
Lalli, Alessandro, Berwyn, Pa. Attachment for shoe-sole-stitching machines. 1,506,536; Aug. 26.
Lamb, Davis C., Nappanee, Ind. Automobile visor. 1,506,648; Aug. 26.
Lamb, Thomas B., New York, N. Y. Illustrated-story-display device. 1,506,067; Aug. 26.
Lane, George A., Chicago, Ill., assignor to American Meter Company, Incorporated, New York, N. Y. Gas meter. 1,506,313; Aug. 26.
Lane, George S., San Francisco, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,506,009; Aug. 26.
Lange, John H., Alpena, Mich. Fish-spearing device. 1,506,068; Aug. 26.
Langheinrich, Max, assignor to Graphitwerk Kropfmühl A. G., Munich, Germany. Purifying graphite. 1,506,537; Aug. 26.
Lanning, James K. (See Berdon, Albert E., assignor.)
Lanton Auto Equipment Company. (See Gibbons, John M., assignor.)
Lapin, Samuel, New York, N. Y. Bead stringer and package. 1,506,010; Aug. 26.
Larmour, James J., New York, N. Y. Powder container. Des. 65,480; Aug. 26.
Larsen, Mads M., Colton, Calif. License plate and holder. 1,506,492; Aug. 26.
Lauterbur, Frank X., Sidney, Ohio. Mixer. 1,506,128; Aug. 26.
Lawson, Gottfrid C., Cleveland, Ohio. Skylight structure. 1,506,011; Aug. 26.
Leach, Lester C., assignor to Dennison Manufacturing Company, Framingham, Mass. Ruffled crêpe paper. 1,506,592; Aug. 26.
Leathers, Ward, Haworth, N. J. Stabilizer and direction control for aircraft. 1,506,069; Aug. 26.
Lee, Charles W., assignor of one-fourth to F. S. Bartram, Brooklyn, N. Y. Valve-controlling mechanism. 1,505,962; Aug. 26.
Leggett, Albert E., Santa Rosa, Calif. Auxiliary air valve. 1,506,538; Aug. 26.
Lehman, Joseph H., Hasbrouck Heights, N. J. Casing or bearing for valves or other moving parts. 1,506,185; Aug. 26.
Lehmann, Wesley G. (See Owen, D. T., and Lehmann.)
Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Flash-igniter valve. 1,506,434; Aug. 26.
Lemex, John D., Tulsa, Okla. Adjuster bar. 1,506,593; Aug. 26.
Leonhard, William C. (See Hough, A., Leonhard, Dufford, and Allman.)

Leslie, William H., Toronto, Ontario, Canada. Controller for direct-current motors. 1,506,070; Aug. 26.
Levison, William F., Cleveland, Ohio. Automobile lock. 1,506,493; Aug. 26.
Lewis, Charles H., Syracuse, N. Y. Clothes-pressing machine. 1,506,594; Aug. 26.
Lewis, Lloyd V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick-release valve. 1,506,012; Aug. 26.
Le Witt, George. (See Burns, E. P., and Le Witt.)
Liddell Company. (See Benty, James T., assignor.)
Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric-heater casing. Des. 65,481; Aug. 26.
Lincoln, John C., assignor to The Citizens Savings and Trust Company, Cleveland, Ohio. Stabilizer. 1,506,374; Aug. 26.
Lindauer, Alfred C., and G. M. Hunt, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Water-resistant glue. 1,506,013; Aug. 26.
Lindsay, Lycurgus, Los Angeles, Calif. Classifier for milled products. 1,506,494; Aug. 26.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Decorated body and making same. 1,506,014; Aug. 26.
Livesay, Robert C. (See Witry, L. W., and Livesay.)
Löfgren, Karl E. R. (See Nordström, L., and Löfgren.)
Lohmeyer, Henry H., Ambrose, N. Dak. Disk harrow. 1,506,595; Aug. 26.
Lomax, Clarence E., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,505,963; Aug. 26.
London General Omnibus Company Limited, The. (See Durrant, Albert A. M., assignor.)
Lord, Edwin C. E., Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Determining the dye adsorption of soils. 1,506,351; Aug. 26.
Lotte, Fred A., Canton, Ohio. Sadiron-stand holder. 1,506,649; Aug. 26.
Lough, Gerald A., Plainfield, N. J. Drying apparatus. 1,506,650; Aug. 26.
Lowrie, William S., et al. (See Forsyth, Douglas K., assignor.)
Lowy, Morris, New York, N. Y. Coating tubular articles by immersion. 1,506,314; Aug. 26.
Loyd, Samuel, Brooklyn, N. Y. Puzzle device. 1,506,015; Aug. 26.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric lamp. 1,506,071; Aug. 26.
Lukens, William R., et al. (See Pence, Allen T., assignor.)
Lundgren, Carl S., Chicago, Ill. Floor-scrubbing machine. 1,506,016; Aug. 26.
Lusher, Albert C., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,506,017; Aug. 26.
Lyman, Kent E., Cleveland, Ohio. Plunger for grease guns. 1,506,018; Aug. 26.
Lyman, Winnifred C., Mansfield, Mass. Score-card and pencil holder. 1,506,245; Aug. 26.
Lytton, Walter, Chicago, Ill. Combined radio and phonograph cabinet. Des. 65,482; Aug. 26.
Lywitzki, Albert B., Chicago, Ill. Rubber heel. 1,506,315; Aug. 26.
Mabee, Charles R., Buffalo, N. Y. Apparatus for the steam milling of vegetable substances. 1,506,023; Aug. 26.
MacChesney, Chester M., assignor to Acme Steel Goods Company, Chicago, Ill. Strapping apparatus. 1,506,129; Aug. 26.
Macfarlane, Angus D., Hartford, Conn. Light for automobiles. 1,506,022; Aug. 26.
MacKenzie, Anna A., Fremont, Ohio, assignor to National Carbon Company, Inc. Electric cell containing a salt inhibiting the production of gas. 1,506,189; Aug. 26.
MacRae, Thomas, Florence, Ariz. Shock absorber. 1,506,495; Aug. 26.
Maker, Harry, assignor of one-half to P. A. Koehring, Milwaukee, Wis. Portable auxiliary pump. 1,506,652; Aug. 26.
Maller, Aloys N., R. J., and N. J., Oelwein, Iowa; said R. J. Maller and N. J. Maller assignors to said Aloys N. Maller. Vehicle traffic signal. 1,506,597; Aug. 26.
Maller, Norbert J. (See Maller, Aloys N., R. J., and N. J.)
Maller, Raymond J. (See Maller, Aloys N., R. J., and N. J.)
Maloney, Edward J., Long Island City, assignor to A. Wolf, New York, N. Y. Straw-sewing machine. 1,506,024; Aug. 26.
Mandel, Jacob, Chicago, Ill. Lamp and base. 1,506,377; Aug. 26.
Marcuse, Moses M., New York, N. Y. Dispensing cabinet. 1,506,190; Aug. 26.
Marcy, Frank E., Los Angeles, Calif. Process of and apparatus for forming balls. 1,505,964; Aug. 26.
Marino, Michael. (See Niola, A., and Marino.)
Markush, Eugene A., Jersey City, N. J., assignor to Pharma-Chemical Corporation. Pyrazolone dye and making the same. 1,506,316; Aug. 26.
Marsh, Albert, and H. P. Alais, London, England. Date-stamping device. 1,506,191; Aug. 26.
Marshall, Thomas C., Yorklyn, Del., and J. L. McClellan, Kennett Square, Pa.; said McClellan assignor to said Marshall. Making rubberized parchment paper and the product thereof. 1,506,317; Aug. 26.
Martin, Arthur, Pittsburgh, Pa. Forming flanged articles and product thereof. 1,506,435; Aug. 26.
Martin, Charles H., Kolin, Mont. Fuel-feeding apparatus. 1,506,247; Aug. 26.
Matson, Taylor, Philadelphia, Pa. Compensating connecting rod for internal-combustion engines. 1,506,540; Aug. 26.
Mattern, Frank. (See Humphreys, E. S., and Mattern.)
Matthews, Abraham F., Pocahontas, Iowa. Fender attachment for cultivators. 1,506,496; Aug. 26.
May, Solomon, Chicago, Ill. Manufacturing of sausage casings. 1,506,541; Aug. 26.
Maynard, Arthur H., Warwick, assignor to Boston Wire Stitcher Company, East Greenwich, R. I. Stapling machine. 1,506,073; Aug. 26.
Maynard, Harry J., Yonkers, N. Y. Globe bracket for incandescent lamps. 1,506,542; Aug. 26.
McAllen, Anna L., Portland, Oreg. Automatic coffee dispenser. 1,506,712; Aug. 26.
McBride, Posey G. (See Roark, Charles B., assignor.)
McCain, George L., Detroit, Mich. Adjustable driving connection. 1,506,072; Aug. 26.
McCarroll, Frank. (See Chapman, Earl, assignor.)
McCarty, Charles L., assignor of one-sixth to W. H. Horner and one-sixth to R. W. Sikking, East St. Louis, Ill. Filter. 1,506,019; Aug. 26.
McClellan, James L. (See Marshall, T. C., and McClellan.)
McClellan, William, Taunton, assignor to Freeman-Daughaday Company, Chartley, Mass. Cuff button. Des. 65,483; Aug. 26.
McCollum, Ross. (See Donaldson, R. N., and McCollum.)
McCoy, Lester, Council Bluffs, Iowa, and G. Witzke, Denver, Colo. Candy-making machine. 1,506,539; Aug. 26.
McCune, Joseph C., Orange, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,506,020; Aug. 26.
McGee, Frank R., Steubenville, Ohio. Valve. 1,506,021; Aug. 26.
McGuire, Frank A., Cherryvale, Kans. Book holder. 1,506,651; Aug. 26.
McKechnie, James, assignor to Vickers Limited, Westminster, London, England. Control and reversing gear of internal-combustion engines. 1,506,375; Aug. 26.
McLaughlin, John W., Fairmont, W. Va., and G. H. Gell, South Clinchfield, assignors to Clinchfield Carbocoal Corporation, Bristol, Va. Furnace retort. 1,506,188; Aug. 26.
McMahon, George F., Chicago, Ill. Steel alloy material. 1,506,246; Aug. 26.
McMillan, Donald C., Brooklyn, N. Y. Double snatch block. 1,506,376; Aug. 26.
McMullen, Robert B., et al. (See Pence, Allen T., assignor.)
McMurdie, Francis J., Kalamazoo, Mich. Door or closure. 1,506,596; Aug. 26.
McNamara, Sydney, and W. Nicholson, New York, N. Y. Teacup. Des. 65,484; Aug. 26.
Mehlhope, Clarence E. (See Burkel, Mathew J., assignor.)
Meigs, George M. (See Bryan, R. N., and Meigs.)
Meijer, Nicholas E. G., Soerabaja, Dutch East Indies. Automatic bomb-dropping apparatus for aeroplanes, airships, and other aircraft. 1,506,192; Aug. 26.
Meilike, Charles, Clintonville, Wis. Four-wheel drive and steering tractor. 1,506,653; Aug. 26.
Meleg, Paul, Cleveland, Ohio. Top spinner. 1,506,598; Aug. 26.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Coating metal molds. 1,506,130; Aug. 26.
Mensforth, Holberry Bowdon, and F. A. Cowell, Sale, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Testing device for measuring the teeth of helically-toothed elements. 1,506,543; Aug. 26.
Mergott, J. E., Company, The. (See Fuller, Franz A., assignor.)
Mershon, Ralph D., New York, N. Y. Operating alternating-current apparatus in which capacity is desired. 1,506,378; Aug. 26.
Metals Production Company of North America, Incorporated. (See Perkins, Walter G., assignor.)
Metropolitan Trust Company, trustee. (See Snow, Arthur E., assignor.)
Meyer & Wenthe. (See Wenthe, Herman A., assignor.)
Meyer, Clarence E., near Van Meter, Iowa. Disk sharpener. 1,506,497; Aug. 26.
Meyer, Jerome. (See Moore, J. S., and Meyer.)
Michelin, André J., Clermont-Ferrand, France. Device for removing pneumatic tires of the clincher type. 1,506,654; Aug. 26.
Mick, Claud J., Indianapolis, Ind. Guide for tank flushing valves. 1,506,544; Aug. 26.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Core-handling device. 1,506,436; Aug. 26.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Winding device. 1,506,437; Aug. 26.
Miller, Arthur H. (See Winkler, W., and Miller.)
Miller, Harold R. (See Hallborg, H. E., and Miller.)

Miller, Lee H., Fort Dodge, Iowa. Grain door. 1,506,713; Aug. 26.
Miller, Otto K., Okolona, Ky. Waterproofing composition for walls. 1,506,193; Aug. 26.
Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
Miller-Seldon Electric Company. (See Van Alstyne, Howard E., assignor.)
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Milwaukee Gas Specialty Company. (See Willis, G. M., and Roettcher, assignors.)
Miner, William H., et al. (See Anderson, Harley E., assignor.)
Minerals Separation Limited. (See Broadbridge, W., and Edser, assignors.)
Minter, William W., St. Joseph, Mo. Burner. 1,506,025; Aug. 26.
Mirrielees, James F., assignor to The Precision Truing Machine and Tool Company, Cincinnati, Ohio. Mechanism for truing and dressing grinding wheels. 1,506,655; Aug. 26.
Mitchel, Charles F. (See Bott, J., and Mitchel.)
Moffat, Frederick W., Weston, Ontario, Canada. Support for resistance wiring. 1,506,194; Aug. 26.
Molins, Walter E., London, England. Apparatus for feeding and collating cigarettes and other small articles. 1,506,498; Aug. 26.
Monday, Robert R., Fountain City, Tenn. Main-shaft carrier. 1,506,438; Aug. 26.
Monrose, Georgine S., Tampa, Fla. Brassière. 1,506,248; Aug. 26.
Montgomery, J. E. (See Carver, Albert E., assignor.)
Moore, Charles R., Newport, Vt. Gauge cock. 1,505,965; Aug. 26.
Moore, Jesse S., and J. Meyer, New York, N. Y. Can opener. 1,506,318; Aug. 26.
Moore, John E., Portsmouth, Va. Vault casket. 1,506,379; Aug. 26.
Morgan, Hess P., Lisbon, Ohio. Mining machine. 1,506,195; Aug. 26.
Morrell, Albert H. (See Wishart, W., and Morrell.)
Morrill, Charles H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making rubber footwear. 1,506,074; Aug. 26.
Morse, Leo, New York, N. Y. Toy rattle. Des. 65,485; Aug. 26.
Moss, Charles M. (See Hanker, F. C., and Moss.)
Moulton, George D., Denison, Tex. Handle for safety razors. Des. 65,486; Aug. 26.
Moyer, Floyd D., Fremont, Ohio, assignor to National Carbon Company, Inc. Dry battery. 1,506,196; Aug. 26.
Multiple Storage Battery Corporation. (See Jones, L. L., and Sturges, assignors.)
Multiple Storage Battery Corporation. (See Sturges, Norman D., assignor.)
Murphy Door Bed Company. (See Dewey, Josiah A., assignor.)
Murphy, Joseph P., assignor to Blayney-Murphy Company, Denver, Colo. Wrapping beef. 1,506,599; Aug. 26.
Murphy, Walter P., New York, N. Y. Sheet-metal car door. 1,505,966; Aug. 26.
Murphy, Walter P., New York, N. Y. Bottom-supported car door. 1,506,026; Aug. 26.
Murphy, Walter P. (See Sisson, Vinton E., assignor.)
Murphy, William, Montreal, Quebec, Canada. Building construction. 1,506,656; Aug. 26.
Murray, Percy H. (See Ainsworth, H. C., and Murray.)
Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Tire valve. 1,506,714; Aug. 26.
Myers, Lewis E., Valparaiso, Ind. Detachable scroll for portable desks. 1,505,967; Aug. 26.
Nachtrab, Charles E. (See Bohrer, C. J., and Nachtrab.)
Nackers, Albert F., Cornelius, Oreg. Automobile lubricator. 1,506,249; Aug. 26.
Nagel, Henry, New Orleans, La. Humidifying attachment. 1,506,600; Aug. 26.
Nall, Frank H., Evansville, Ind. Lamp base. Des. 65,487; Aug. 26.
Nashua Manufacturing Company. (See Healey, Katherine G., assignor.)
Nata, Lucy, San Francisco, Calif. Receptacle. 1,506,131; Aug. 26.
National Aniline & Chemical Company. (See Lachman, Arthur, assignor.)
National Automatic Teller Corporation. (See Kline, Harold B., assignor.)
National Carbon Company. (See Batchelor, Harry D., assignor.)
National Carbon Company. (See Benner, R. C., and French, assignors.)
National Carbon Company. (See Heise, George W., assignor.)
National Carbon Company. (See Hopkins, Nevil M., assignor.)
National Carbon Company. (See Huntley, Alton K., assignor.)
National Carbon Company. (See MacKenzie, Anna A., assignor.)
National Carbon Company. (See Moyer, Floyd D., assignor.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
National Pneumatic Company. (See Gottschalk, Albert, assignor.)
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,506,319; Aug. 26.
Neal, Morris S., Collinsville, Conn. Metal-punching press. 1,506,075; Aug. 26.
Nelson, John E., Bucyrus, N. Dak. Mixing device. 1,506,601; Aug. 26.
Nelson, Karl O., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis. Baling machine. 1,506,076; Aug. 26.
Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet hook. 1,506,439; Aug. 26.
Ner-a-Car Corporation. (See Smith, Joseph A., assignor.)
Neugebauer, Wilhelm. (See Schmidt, M. P., and Neugebauer.)
Newhall, Henry B. (See Pleister, Henry W., assignor.)
New Jersey Foundry and Machine Company. (See Hescock, Ethan N., assignor.)
New York Trust Company, trustee, The. (See Geldhof, Peter E., assignor.)
Nicholas, Andrew J., Philadelphia, Pa., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Well pump. 1,506,197; Aug. 26.
Nicholas Power Company. (See Ellwood, William, assignor.)
Nichols, Henry, New York, N. Y. Vehicle wheel. 1,506,602; Aug. 26.
Nicholson, William. (See McNamara, S., and Nicholson.)
Nicholson, William B., Chapman, Kans. Combination auto jack and rim tool. 1,506,603; Aug. 26.
Night Aero Advertising Corporation. (See Hook, August B., assignor.)
Niola, Albert, and M. Marino, Newark, N. J. Finger ring. Des. 65,488; Aug. 26.
Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
Noonan, Albert S., assignor to Foss-Hughes Company, Philadelphia, Pa. Windshield cleaner. 1,506,604; Aug. 26.
Nordell, Carl H., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind. Stabilized glauconite and making same. 1,506,198; Aug. 26.
Norden, Folke F., New York, N. Y. Abdominal supporter. 1,506,605; Aug. 26.
Nordlund, Ludvig B., San Francisco, Calif. Automatic ticket and change-returning machine. 1,506,250; Aug. 26.
Nordström, Leon, and K. E. R. Löfgren, Stockholm, Sweden. Lumber-sorting device. 1,506,657; Aug. 26.
Norling, Karl A. P. (See Svensson, K. J., and Norling.)
Northrup, Edwin F., Princeton, assignor, by mesne assignments, to Ajax Electrothermic Corporation, Trenton, N. J. High-frequency electric arc. 1,506,320; Aug. 26.
Norton, Charles H., assignor to Norton Company, Worcester, Mass. Machine-tool-table reversing mechanism. 1,506,724; Aug. 26.
Norton Company. (See Norton, Charles H., assignor.)
Norris, Marvin L., Fort Wayne, Ind., assignor to General Electric Company. Support for sewing-machine motors. 1,506,440; Aug. 26.
Nowak, Frank J., Washington, D. C. Telescope. 1,506,658; Aug. 26.
Nunn, Nevvens N., Maplewood, Mo. Leg-elevator-supporting means for washing machines. 1,506,441; Aug. 26.
Oakes, Ernest C., assignor, by mesne assignments, to Empire Milking Machine Company, Bloomfield, N. J. Milking-machine pulsator. 1,506,321; Aug. 26.
O'Brien, Frank, Canton, Ohio. Adjustable thread shaper. 1,506,027; Aug. 26.
O'Donnell, Patrick S., London, England. Distributor container for holding and diffusing disinfectants, deodorants, and the like. 1,506,659; Aug. 26.
Ogle, Lawrence S. (See Hammond, C., and Ogle.)
O'Hara, Frank G., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Connection for metal structures. 1,506,442; Aug. 26.
Olshei, John R., Buffalo, N. Y. Windshield wiper. 1,506,132; Aug. 26.
Oleson, Olaf E., East Chicago, Ind. Valve. 1,506,546; Aug. 26.
Olsen, George A., assignor to Accounting Devices Company, Chicago, Ill. Loose-leaf binder. 1,506,251; Aug. 26.
Olson, John B., assignor to James Manufacturing Co., Fort Atkinson, Wis. Poultry-feeding device. Des. 65,489; Aug. 26.
Olson, John B., assignor to James Manufacturing Co., Fort Atkinson, Wis. Poultry-feeding device. Des. 65,490; Aug. 26.
O'Neal, Theodore M. (See Starke, Robert G., assignor.)
O'Neill, John H., Springfield, Mo. Method and means of producing heat. 1,506,322; Aug. 26.
O'Neill, John H., Springfield, Mo. Method and means of producing heat. 1,506,323; Aug. 26.

Ordway, Donald P., assignor to American Stamping Co., Battle Creek, Mich. Grease cup. 1,506,660; Aug. 26.
Ordway, Frank L., assignor to Parker Bros., Salem, Mass. Game. 1,506,715; Aug. 26.
Osborn, Larkin S., Duncan, Oreg. Saw set. 1,505,968; Aug. 26.
Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Temperature regulator. 1,506,443; Aug. 26.
Owen, David T., and W. G. Lehmann, Cleveland, Ohio; said Lehmann assignor to said Owen. Spring structure. 1,506,186; Aug. 26.
Owen, David T., and W. G. Lehmann, Cleveland, Ohio; said Lehmann assignor to said Owen. Metal tie for spring structures. 1,506,187; Aug. 26.
Owens, John W., assignor of one-half to C. G. Kelley, Jefferson, Iowa. Oil gauge. 1,506,324; Aug. 26.
Page, John W., Chicago, Ill. Excavating device. 1,506,077; Aug. 26.
Pannier Bros. Stamp Co. (See Pannier, William J., jr., assignor.)
Pannier, William J., jr., assignor to Pannier Bros. Stamp Co., Pittsburgh, Pa. Type member for printing stamps. 1,506,661; Aug. 26.
Paramount Rubber Consolidated, Inc. (See Eldon, Albert J., assignor.)
Parisi, Ettore, Rome, Italy. Automatic fan. 1,506,325; Aug. 26.
Parker Bros. (See Ordway, Frank L., assignor.)
Parker, Edgar T., Los Angeles, Calif. Railway-crossing signal. 1,506,326; Aug. 26.
Parker, Humphrey F., Washington, D. C. Control for electric elevators. 1,506,380; Aug. 26.
Parks, George A., Sherrard, Ill. Dental polishing disk. 1,506,078; Aug. 26.
Parme, Frederic. (See Chiron, H. M., and Parme.)
Pearson, John S., Belmar, N. J. Container-cover holder. 1,506,199; Aug. 26.
Peerless Light Company. (See Herskovitz, Max, assignor.)
Peirano, Enrico. (See Ripamonti, E., and Peirano.)
Peirce, John R., assignor to Computing-Tabulating-Recording Co., New York, N. Y. Method of and apparatus for perforating record sheets. 1,506,381; Aug. 26.
Peirce, John R., assignor to Computing-Tabulating-Recording Co., New York, N. Y. Record sheet and apparatus controlled thereby. 1,506,382; Aug. 26.
Peirce, John R., assignor to Computing-Tabulating-Recording Co., New York, N. Y. Perforation-reading instrumentalities. 1,506,383; Aug. 26.
Peller, Joseph H, Mohonk Lake, N. Y. Shoe protector. 1,506,662; Aug. 26.
Pence, Allen T., assignor of one-fifth to A. B. Simpson, one-tenth to J. Gavey, one-tenth to F. F. Stevens, one-fifth to W. R. Lukens, and one-fifth to R. B. McMullen, Hillsboro, Ohio. Mechanical stock feeder. 1,506,079; Aug. 26.
Penney, Harold F., and C. C. Frautz, assignors to Phillips & Clark Stove Co. Inc., Geneva, N. Y. Grate-bar support. 1,506,200; Aug. 26.
Perkins, Walter G., London, England, assignor, by mesne assignments, to Metals Production Company of North America, Incorporated, New York, N. Y. Treatment of oxidized ores. 1,506,663; Aug. 26.
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Apparatus for cutting and winding fabric strips. 1,506,327; Aug. 26.
Perritt, Elliott E., Pittsburgh, Pa. Drain pan. 1,506,028; Aug. 26.
Pescara, Raul P., Barcelona, Spain. Helicopter steering and stabilizing mechanism. 1,506,716; Aug. 26.
Peters Cartridge Company, The. (See Richmond, Norman L., assignor.)
Peterson, Conrad, Chicago, Ill. Clothesline reel. 1,505,969; Aug. 26.
Peterson, Emil A., Appleton, Wis. Roll or rotor. 1,506,133; Aug. 26.
Peyer, John, Brooklyn, N. Y. Tool handle. 1,506,547; Aug. 26.
Pharma-Chemical Corporation. (See Markush, Eugene A., assignor.)
Phillips & Clark Stove Co. (See Penney, H. F., and Frautz, assignors.)
Pickard, Winford D., Norman, Okla. Eyeshade or glare-shield. 1,506,664; Aug. 26.
Pickens, Davis A., Jackson, Miss. Truck hanger. 1,506,717; Aug. 26.
Pictures Development Co., The. (See Bulask, Francis J., assignor.)
Pieper, Alphonse F., Rochester, N. Y. Dental equipment stand. 1,506,328; Aug. 26.
Pike, Wilford H., Oakland, Calif. Hat holder. 1,506,329; Aug. 26.
Pingree Patents, Incorporated. (See Pingree, Samuel J., assignor.)
Pingree, Samuel J., assigner to Pingree Patents, Incorporated, St. Louis, Mo. Apparatus for supplying fuel to internal-combustion engines. 1,506,548; Aug. 26.
Pioneer Suspender Company. (See Simmons, Frederick C., assignor.)
Pitman, Henry M., Dallas, Tex. Fruit cutter. 1,506,499; Aug. 26.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Expansion bolt and method. 1,506,384; Aug. 26.
Pletcher, Thomas M., Fontana, Wis., assignor to The Q R S Music Company, Chicago, Ill. Music-roll box clip. 1,506,080; Aug. 26.
Pondelick, Anton, Chicago, Ill. Piston. 1,506,252; Aug. 26.
Pondelick, Anton, Chicago, Ill. Piston. 1,506,253; Aug. 26.
Porteous, Percy A. (See Clark, Carl S., assignor.)
Potter, Albert T. (See Purdy, R. J., and Potter.)
Pourmon, Elmer J., Newark, N. J. Shade bracket. Des. 65,491; Aug. 26.
Pourmon, Elmer J., Newark, N. J. Shade bracket. Des. 65,492; Aug. 26.
Powell, Loyd C., Cushing, Okla. Combined grip and jack. 1,505,970; Aug. 26.
Pratt & Lambert, Inc. (See Wuertz, John W., assignor.)
Pray, Edward, Jersey City, N. J. Automobile hoisting apparatus. 1,506,665; Aug. 26.
Precision Truing Machine and Tool Company, The. (See Mirrielees, James F., assignor.)
Prest-O-Lite Company, The. (See Baker, Harry J., assignor.)
Prest-O-Lite Company, The. (See Benner, Raymond C., assignor.)
Prest-O-Lite Company, The. (See Walter, Anton, assignor.)
Prestholdt, Henry L., Minneapolis, Minn. Casein glue. 1,506,201; Aug. 26.
Prestholdt, Henry L., Minneapolis, Minn. Casein glue. 1,506,202; Aug. 26.
Prestholdt, Henry L., Minneapolis, Minn. Casein glue. 1,506,203; Aug. 26.
Proctor, Frederic W. (See Bullock, Walter H., assignor.)
Pullin, Cyril G., Isleworth, England. Means for supporting the rear road wheel of a velocipede. 1,506,270; Aug. 26.
Purdy, Raymond J., and A. T. Potter, assignors to Ainsworth Manufacturing Company, Detroit, Mich. Windshield visor. 1,506,134; Aug. 26.
Pyzel, Daniel, Piedmont, Calif. Refining oil. 1,506,444; Aug. 26.
Q R S Music Company, The. (See Pletcher, Thomas M., assignor.)
Rampp, Frank P., New York, N. Y. Spotlight deflector. 1,506,727; Aug. 26.
Randall, Lillian L., Boston, Mass. Timer for internal-combustion engines. 1,506,666; Aug. 26.
Rang, Constan E., Milwaukee, Wis. Razor-blade holder. 1,506,549; Aug. 26.
Raschick, Charles T., St. Paul, Minn. Ticket holder and cutter, 1,506,135; Aug. 26.
Rebstock, August J., assignor to Alvey Manufacturing Company, St. Louis, Mo. Conveyer. 1,505,971; Aug. 26.
Regan Safety Devices Company, Inc., The. (See Shaver, Archibald G., assignor.)
Regnier, Adrien E., Revere, assignor of one-half to R. W. Bird, Framingham, Mass. Casein size and producing same. 1,506,081; Aug. 26.
Rehnovist, Nils P., Norrkoping, Sweden. Stamp-applying device. 1,506,550; Aug. 26.
Reitze, Enrique, and E. Trujillo, Santiago, Chile. Ink. 1,506,082; Aug. 26.
Remde, Edward H., assignor to The Baker R. & L. Company, Cleveland, Ohio. Industrial truck. 1,506,136; Aug. 26.
Remington Typewriter Company. (See Bridgwater, Herbert E., assignor.)
Rettger, Leo F., and H. A. Chepiln, New Haven, Conn. Beverage. 1,506,501; Aug. 26.
Reynolds, John N., Greenwich, Conn., and J. F. Hearn, Passaic, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Line switch. 1,506,271; Aug. 26.
Rhode, Lizzie K., Flushing, N. Y., assignor to Hip Hold Corset Corporation. Corset. 1,506,254; Aug. 26.
Rhodes, Frederick H., Philadelphia, Pa., assignor to The Barrett Company. Making flotation oil. 1,506,385; Aug. 26.
Rheinberger, Alois J., New York, N. Y. Sectional booth. 1,506,502; Aug. 26.
Richards, Joshua M., Belmont, Mass. Sheet glass or similar article. Des. 65,493; Aug. 26.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Relay automatic telephone system. 1,506,083; Aug. 26.
Richmond, Norman L., Loveland, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Shot-shell carton. 1,506,084; Aug. 26.
Ricketts, Homer C., assignor to Brogdex Company, Winterhaven, Fla. Apparatus for treating fruit and the like. 1,506,718; Aug. 26.
Riise, John, Doylestown, Ohio. Motor-vehicle radiator. Des. 65,494; Aug. 26.
Rissman, Paul, Detroit, Mich. Staple making and driving tool. 1,506,085; Aug. 26.
Ripamonti, Ettore, and E. Peirano, Milan, Italy. Safety screw. 1,506,500; Aug. 26.
Roane Iron Company. (See Howie, Howard, assignor.)
Roark, Charles B., assignor of one-half to P. G. McBride, Elbert, W. Va. Dump. 1,506,667; Aug. 26.
Robb, Walter Y. (See Holmes, E. R., Robb, and Howard.)
Robert, Samuel, New York, N. Y. Match holder. 1,506,503; Aug. 26.

Roberts, Howard R., assignor to Stronghart Company, Chicago, Ill. Combined clock and bank. Des. 65,495; Aug. 26.
Rogers, Harold W., Schenectady, N. Y., assignor to General Electric Company. Segregated drive for paper machines and the like. 1,506,445; Aug. 26.
Rogers, Harold W., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,506,446; Aug. 26.
Rohm & Haas Company. (See Hollander, Charles S., assignor.)
Rose, Samuel S., and S. L. Swope, San Jose, Calif. Utility hook cluster. 1,506,668; Aug. 26.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or an article of similar nature. Des. 65,496; Aug. 26.
Rosenblatt, Isidor, New York, N. Y. Hanging lamp or similar article. Des. 65,497; Aug. 26.
Rosenstein, Jacob, Frankfort, Ky. Secret safety belt and pants-girth reducer. 1,506,255; Aug. 26.
Royal Nut Company. (See Zaloom, Salim F., assignor.)
Rustti, Joseph B., Los Angeles, Calif. Machine for finishing journal frames. 1,506,504; Aug. 26.
Ruby, Earl G., St. Joseph, Mo. Automatic display merchandise show case. 1,506,086; Aug. 26.
Russell, Robert C., Pittsburgh, Pa. Card index. 1,506,447; Aug. 26.
Russell, Robert C., Pittsburgh, Pa. Loose-leaf book. 1,506,448; Aug. 26.
Ruth, Thomas L., Wilmington, N. C. Punctureproof automatic wheel. 1,506,449; Aug. 26.
Ryder, Marcus G. (See Webnert, E. C., and Ryder.)
Sabiston, Hilland B. West Asheville, N. C. Serving table. 1,506,669; Aug. 26.
Sachs, Joseph, Hartford, Conn. Quick-opening safety switch. 1,506,087; Aug. 26.
Saintin, Félix, Poissy, France. Engine starter. 1,506,256; Aug. 26.
Salow, William. (See Francis, E. A., and Salow.)
Sanchez, John, assignor to J. T. Gaffey, San Pedro, Calif. Mah juck rack. 1,506,088; Aug. 26.
Sato, Ryuji, New York, and U. Ito, Bronx, N. Y. Walking animal toy. 1,506,670; Aug. 26.
Saxer, Paul J., Los Angeles, Calif. Movable ball rack for pocket-billiard tables. 1,506,505; Aug. 26.
Schade, Paul, Hermsdorf, near Berlin, Germany, assignor to General Electric Company. Electrical multiwire system. 1,506,450; Aug. 26.
Scharpenberg, Ewald, Wetter-on-the-Ruhr, Germany. Electrical-cable socket or lug. 1,506,671; Aug. 26.
Schauman, Bror M., Atlantic Highlands, N. J., assignor to an Association comprising G. V. Johnson, O. Gautschy, H. W. Johnson, Highlands, W. Koch, Long Branch, and B. M. Schauman, Atlantic Highlands, N. J., one-fifth to each member. Damper. 1,506,386; Aug. 26.
Schauman, Bror M., et al. (See Schauman, Bror M., assignor.)
Scher, Louis S., Bronx, N. Y. Telephone muffler. Des. 65,498; Aug. 26.
Scherer, Evelyn D. (See Scherer, Warren C. and E. D.)
Scherer, Warren C. and E. D., Buffalo, N. Y. Hair form. 1,506,272; Aug. 26.
Schillinger, Albert E., Denver, Colo. Vehicle indicator. Des. 65,499; Aug. 26.
Schlueter, Harry C., St. Louis, Mo. Show-case corner fastener. 1,506,451; Aug. 26.
Schmale, Ernest, Belleville, Ill. Stove bracket or similar article. Des. 65,500; Aug. 26.
Schmidt, Harry P., New York, N. Y. Sanitary inclosing means for toothbrushes. 1,506,257; Aug. 26.
Schmidt, Maximilian P., and W. Neugebauer, assignors to the Firm Ralle & Co., Aktiengesellschaft, Biebrich Rhine, Germany. Perylentetracarboxylic acids and their derivatives and making them. 1,506,545; Aug. 26.
Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Automobile robe-rail fixture. Des. 65,501; Aug. 26.
Schrader's, A., Son, Inc. (See Myers, Eugene V., assignor.)
Schramm, Robert, Pforzheim, Baden, assignor to R. F. Waechter & Company, G. m. b. H., Frankfort-on-the-Main, Germany. Portable lighter. Des. 65,502; Aug. 26.
Schranz, Charles A., assignor to W. Wood, trading as R. D. Wood & Company, Philadelphia, Pa. Feeding device for gas producers. 1,506,672; Aug. 26.
Schuette, Johann, Zeesen-Koenigs-Wusterhausen, near Berlin, Germany, assignor to American Investigation Corporation, New York, N. Y. Airship. Re15,905; Aug. 26.
Schuster, Karl R., Brooklyn, N. Y. Concrete mixer and conveyer. 1,506,089; Aug. 26.
Schutte & Koerting Company. (See Knauf, Paul W., assignor.)
Schweinert, Maximilian C., New York, N. Y. Tire-valve repair tool. 1,506,029; Aug. 26.
Schweizerische Lokomotiv- & Maschinenfabrik. (See Wiederkehr, Hans, assignor.)
Scovill Manufacturing Company. (See Lusher, Albert C., assignor.)
Scruby, George E., Birmingham, Ala. Collapsible one-piece reenforced suit box. 1,506,137; Aug. 26.
Senblom, Herbert W., Chicago, Ill. Battery-plate-burning guide. 1,506,673; Aug. 26.
Seabrook, Bagster R., Mishawaka, Ind. Horn for talking machines. 1,505,972; Aug. 26.
Segner, Charles B., assignor to Domestic Engine and Pump Company, Shippensburg, Pa. Air compressor. 1,506,674; Aug. 26.
Sehrt, Gustav, St. Louis, Mo. Sheet-severing device. 1,506,138; Aug. 26.
Seiders, Heister, Reading, Pa. Knitting machine. 1,505,973; Aug. 26.
Seltzer, Ira R., Waterbury, assignor to The Gordon Electrical Mfg. Co., Waterville, Conn. Vacuum-cleaner handle switch. 1,506,452; Aug. 26.
Seppmann, Alfred B., Lake Crystal, Minn. Tongs. 1,506,675; Aug. 26.
Severson, Samuel, Valders, Wis. Hair-cutting appliance. 1,506,139; Aug. 26.
Shahan, John, Gadsden, Ala. Water heater. 1,506,676; Aug. 26.
Shaifer, Charles W., Schenectady, N. Y., assignor to General Electric Company. Segregated drive for paper machines and the like. 1,506,453; Aug. 26.
Shapiro & Aronson, Inc. (See Janovsky, Andy, assignor.)
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Shanisey, Fred J., sr., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Collapsible last. 1,506,090; Aug. 26.
Sharp, Net F., Mohawk, N. Y. Ice-cream freezer. 1,506,506; Aug. 26.
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Exhaust-control reservoir and brake valve. 1,505,974; Aug. 26.
Shaw, John C., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Tracer control for diesinking machines. 1,506,454; Aug. 26.
Shaw, Waverly C., Earlham, Iowa. Bearing-sleeve remover. 1,506,258; Aug. 26.
Sheldon, Charles E. (See Blake, G. W., and Sheldon.)
Sherman, Warren S., Oklahoma City, Okla. Hydrant. 1,506,259; Aug. 26.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,506,260; Aug. 26.
Shipton, Albert E., C. E., and A. M., Birmingham, England. Production of colored pictures on glass surfaces. 1,506,677; Aug. 26.
Shipton, Amy M. (See Shipton, Albert E., C. E., and A. M.)
Shipton, Caroline E. (See Shipton, Albert E., C. E., and A. M.)
Shultz, John L., Bellefonte, Pa. Brake-operating mechanism. 1,506,091; Aug. 26.
Shuster, F. B., Company, The. (See Wiseman, Earl H., assignor.)
Siegmund, Charles H., Milwaukee, Wis. Fret-lock system. 1,506,507; Aug. 26.
Sievers, Frederick A., Atlanta, Ga. Sewing machine. 1,506,261; Aug. 26.
Sikking, Robert W., et al. (See McCarty, Charles L., assignor.)
Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company. Method and means of beveling. 1,506,387; Aug. 26.
Simpson, A. B., et al. (See Pence, Allen T., assignor.)
Sisko, John M., Nesquehoning, Pa. End-gate lock. 1,506,092; Aug. 26.
Sisson, Vinton E., Chicago, Ill., assignor to W. P. Murphy, New York, N. Y. Metal reenforcement for the wooden end wall of a railway box car. 1,505,975; Aug. 26.
Skerrett, King, Buenos Aires, Argentina. Ventilating device for motor cars and the like. 1,506,093; Aug. 26.
Slater, Charles, Redditch, England. Needle. 1,506,262; Aug. 26.
Slowey, Herbert J., Portage, Wis. Road guide. 1,506,678; Aug. 26.
Smith, A. C., Manufacturing Company, The. (See Kinder, C. L., and Cooper, assignors.)
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Furnace retort. 1,506,140; Aug. 26.
Smith, George L., Terre Haute, assignor to Kehoe Preserving Co., Clay City, Ind. Coring and seeding device. 1,506,679; Aug. 26.
Smith, Harry M., Marcus Hook, Pa. Concrete-mixing device. 1,506,680; Aug. 26.
Smith, Herbert E., Putnam, Conn. Sliver can. 1,506,273; Aug. 26.
Smith, Irving R., Wauwatosa, Wis. Wheelbarrow arm. 1,506,030; Aug. 26.
Smith, Joseph A., Syracuse, N. Y., assignor to Ner-a-Car Corporation. Controlling device for motor cycles. 1,506,388; Aug. 26.
Smith, Theodore C., Philadelphia, Pa. Attachable electric switch for connecter plugs. 1,506,681; Aug. 26.
Smith, William A., and C. H. Dockham, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tool. 1,506,141; Aug. 26.
Snoddy, Hayden C., Houston, Tex. Library book support and index. 1,506,204; Aug. 26.
Snow, Arthur E., Norwood, Ohio, assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y. Garment press. 1,506,455; Aug. 26.

Snyder, Vernon C., Mountain Lakes, N. J. Container. 1,506,389; Aug. 26.
Società Italiana Brevetti per Filatura, Bertuletti & C. (See Basso, Ernesto, assignor.)
Societe Industrielle de Depouille Mecanique des Animaux. (See Thuau, Jules U., assignor.)
Societe Industrielle de Depouille Mecanique des Animaux. (See Thuay, Urbain J., assignor.)
Souhigian, Marsop, Lawrence, Mass. Snow-removing machine. 1,506,263; Aug. 26.
Sowden, Charles N., Toronto, Ontario, Canada. Demountable rim. 1,506,682; Aug. 26.
Spaulding, Eugene A., Portland, Me. Perforating machine. 1,506,094; Aug. 26.
Specht, Edward H., Oakland, Calif. Combined bumper and luggage carrier. 1,506,274; Aug. 26.
Spiegel, Paul, New York, N. Y. Combined brush and tumbler bracket. Des. 65,503; Aug. 26.
Spiegel, Whitney R., Indianapolis, Ind. Child's rocker. Des. 65,504; Aug. 26.
Spohrer, Gregory J., East Orange, N. J. Compressor. 1,505,976; Aug. 26.
Springthorpe, Isaac, Germantown, Pa., assignor, by mesne assignments, to Springthorpe Textile Machine Company. Lace knitting machine. Re15,901; Aug. 26.
Springthorpe Textile Machine Company. (See Springthorpe, Isaac, assignor.)
Staaf, Werner I., assignor, by mesne assignments, of one-half to L. H. Tyler, Pittsburgh, Pa. Fluid meter. 1,506,683; Aug. 26.
Standard Oil Company. (See Donaldson, R. N., and McCollum, assignors.)
Stanworth, Arthur, Detroit, Mich. Tool holder. 1,505,977; Aug. 26.
Staples, Eugene B., Eureka Springs, Ark. Dust Collector for automobiles. 1,506,684; Aug. 26.
Starke, Robert G., assignor of one-half to T. M. O'Neal, Delray, Fla. Typewriter attachment. 1,506,031; Aug. 26.
Staude, Edwin G., Minneapolis, Minn. Automatic brake control for power-propelled vehicles. Re15,906; Aug. 26.
Steckel, Harry W., Muskegon, Mich. Electric alarm. 1,506,264; Aug. 26.
Steen, Buford J., Christine, assignor of one-half to Gulberson Corporation, Dallas, Tex. Engine starter. 1,506,265; Aug. 26.
Stemmann, Ervin R., Goodhue, Minn. Sanitary milk and cream can cover. 1,506,685; Aug. 26.
Sterchele, Felix L., New York, N. Y. Rolling door. 1,506,508; Aug. 26.
Stetson, Franklin F. (See Wilson, R. O., and Sumner, assignors.)
Stetson, Warner D., Mount Clemens, Mich. Aviator's cap. 1,505,978; Aug. 26.
Stevens, F. F., et al. (See Pence, Allen T., assignor.)
Stevens, Joseph L., Stockton, Kans. Surgical instrument. 1,506,032; Aug. 26.
Stevens, Leslie. (See Burch, George B., assignor.)
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-making machine. 1,506,456; Aug. 26.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Manufacturing tire valve stems. 1,506,457; Aug. 26.
Stevenson Gear Company. (See Stevenson, George R., assignor.)
Stevenson, George H., Rye, assignor to Western Electric Company, Incorporated, New York, N. Y. Protective means for electric circuits. 1,506,275; Aug. 26.
Stevenson George R., Indianapolis, assignor to Stevenson Gear Company, Indianapolis, Ind. Machine for forming gears or other polygonal articles. 1,506,095; Aug. 26.
Stewart, Edna P., Minneapolis, Minn. Screen for moving-picture production. 1,506,729; Aug. 26.
Stidworthy, William M., Hackettstown, N. J. Device for bending metal strips. 1,506,096; Aug. 26.
Stieglitz, William A. (See Flaspoehler, F. J., Stieglitz, and Flaspoehler.)
Stiff, Henry C., Johnstown, Pa. Railway-track structure. 1,505,979; Aug. 26.
Stockett, John W., Washington, D. C. Ammunition for line-throwing guns and the line-carrying ring therefor. 1,506,097; Aug. 26.
Stohn, Georg, Stolberg, Germany. Mechanical roasting furnace. 1,506,266; Aug. 26.
Stolitzka, Frank J., Massillon, Ohio. Cooking utensil. 1,505,980; Aug. 26.
Stolp Company, The. (See Stolp, Frank H., assignor.)
Stolp, Frank H., assignor to The Stolp Company, Inc., Geneva, N. Y. Machine element. 1,506,276; Aug. 26.
Stone, John H., Buffalo, N. Y. Roller awning. 1,506,686; Aug. 26.
Stop-Burglar Lock Company. (See Hill, Elert A., assignor.)
Stott, William J., Worcester, Mass. Direction, trouble, and parking lamp. Des. 65,505; Aug. 26.
Stover, Frank Z. (See Cardwell, John W., assignor.)
Strachota, Clarence A., St. Paul, Minn. Furnace arch for boilers. 1,506,458; Aug. 26.
Strauss, Joseph B., Chicago, Ill. Military reconnoitering apparatus. 1,506,277; Aug. 26.
Street, William H., New York, N. Y. Seat and cover operating mechanism. 1,506,459; Aug. 26.
Streitwolf, Karl, Frankfort-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst-ou-the-Main, Germany. Preparing arsenobenzene derivatives which are stable in solution. 1,506,460; Aug. 26.
Stribling, James W. (See Vardell, A. A., and Stribling.)
Stronghart Company. (See Roberts, Howard R., assignor.)
Stubbs, Robert C., Dallas, Tex. Apparatus for mixing concrete under pressure. 1,506,142; Aug. 26.
Stubbs, Robert C., Dallas, Tex. Mixing concrete and other plastics. 1,506,143; Aug. 26.
Stuckey, Samuel G., Warren, Pa. Bottle-making machine. 1,506,687; Aug. 26.
Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)
Sturges, Norman D., Bellerose, N. Y., assignor to Multiple Storage Battery Corporation. Battery. 1,506,278; Aug. 26.
Sturges, Norman D., Bellerose, N. Y. Battery. 1,506,390; Aug. 26.
Sturges, Norman D., Bellerose, N. Y. Battery. 1,506,391; Aug. 26.
Sturges, Norman D., Bellerose, N. Y. Battery. 1,506,392; Aug. 26.
Sturges, Norman D. (See Jones, L. L., and Sturges.)
Sumner, Arthur D. (See Wilson, R. O., and Sumner.)
Sutherland, Daniel M., jr., Trenton, assignor to The Agasote Millboard Co., Ewing Township, Mercer County, N. J. Joining pulpboard. 1,506,509; Aug. 26.
Svensson, Karl J., and K. A. P. Norling, London, England. Revolution counter for rotating bodies. 1,506,461; Aug. 26.
Swanson, Enoch A., Lincoln, Nebr. Pump. 1,506,688; Aug. 26.
Swanson, Ludwig, Detroit, Mich. Boring-tool holder. 1,506,034; Aug. 26.
Swisher, Lamont, Decatur, Ill. Sectional building. 1,506,267; Aug. 26.
Swope, Susan L. (See Rose, S. S., and Swope.)
Taber Pump Company. (See Traudt, William F., assignor.)
Tallant, Harry A., St. Paul, Minn. Plumb level. 1,506,689; Aug. 26.
Tatroe, Percy R. (See Kieft, J., and Tatroe.)
Taylor, John V., Shongaloo, La. Shock absorber. 1,506,690; Aug. 26.
Teleview Corporation, The. (See Hammond, Laurens, assignor.)
Templeton, Jones T., assignor to The Buck's Stove & Range Company, St. Louis, Mo. Heating stove. Des. 65,506; Aug. 26.
Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
Ternstedt Manufacturing Co. (See Schnell, William, assignor.)
Texas Company, The. (See Wolcott, Edson R., assignor.)
Thomas, Adolph A., New York, N. Y. Sound amplifier. 1,506,393; Aug. 26.
Thomas, Ralph W., Los Angeles, Calif. Spigot fixture and soap dish for bathtubs. 1,506,691; Aug. 26.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load-brake device. 1,505,981; Aug. 26.
Thompson, George M., Avon Parks, Fla. Box-packing device for freight cars. 1,506,462; Aug. 26.
Thompson, James P. (See Biddle, J. S., and Thompson.)
Thompson, John P. (See Hook, J. H., Thompson, and Woodrow.)
Thuau, Jules U., assignor to Societe Industrielle de Depouille Mecanique des Animaux, Paris, France. Apparatus for skinning animals. 1,506,510; Aug. 26.
Thuau, Urbain J., assignor to the Societe Industrielle de Depouille Mecanique des Animaux, Paris, France. Blade of disk form for skinning animals. 1,506,719; Aug. 26.
Tillman, Lambert J., Toledo, Ohio. Car-door-locking device. 1,506,692; Aug. 26.
Timken-Detroit Axle Company, The. (See Alden, H. W., and Buckendale, assignors.)
Tirapani, Alfredo C., Bologna, Italy. Iron-reenforced shoe heel. 1,506,693; Aug. 26.
Toffey, Fred T., Watertown, Conn. Milk-can handle. 1,506,694; Aug. 26.
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Torbensen, Viggo V., assignor to The Vig-Tor Axle Company, Cleveland, Ohio. Brake. 1,506,205; Aug. 26.
Torrence, Plesant S., Salisbury, N. C. Waterproof vault. 1,506,279; Aug. 26.
Tracy, James W., Smithland, Ky. Cane or similar article. Des. 65,507; Aug. 26.
Traudt, William F., assignor to Taber Pump Company, Buffalo, N. Y. Rotary pump. 1,505,982; Aug. 26.
Trescott, Charles B., Chicago, Ill. Producing mealy-cooked potatoes. 1,506,033; Aug. 26.
Trujillo, Emilio. (See Reitze, E., and Trujillo.)
Turnbull, Leroy E., St. Louis, Mo. Grommet towel holder. 1,506,463; Aug. 26.
Tydings, John, Philadelphia, Pa. Apparatus to mechanically harness, store, and transmit power. 1,506,394; Aug. 26.
Tydings, John, Smithville Flats, N. Y. Current and tidal-current motor. 1,506,395; Aug. 26.
Tydings, John, Smithville Flats, N. Y. Wind motor. 1,506,396; Aug. 26.

Tyler, John D., Clarksville, Tenn. Internal-combustion-engine fuel heater. 1,506,695; Aug. 26.
Tyler, Lula H. (See Staaf, Werner I., assignor.)
Underwood Typewriter Company. (See Glackin, Daniel T., assignor.)
Union Steel Products Company. (See Dean, George E., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
Union Tool Company. (See Bane, R. D., and Goeser, assignors.)
Union Tool Company. (See Hodge, Arthur J., assignor.)
Union Tool Company. (See Zerbe, Lewis E., assignor.)
United Shoe Machinery Corporation. (See Johnson, Albert E., assignor.)
United Shoe Machinery Corporation. (See Morrill, Charles H., assignor.)
Uppercu, Inglis M. (See Williams, Jewell, assignor.)
Valtman, Anton, assignor of one-half to H. Volke, Bovey, Minn. Lathe dog. 1,506,035; Aug. 26.
Van Alstyne, Howard E., assignor to Miller-Seldon Electric Company, Detroit, Mich. Worm-gear assembly. 1,505,983; Aug. 26.
Vandy, Burton A., assignor to S. Vandy, Rochester, N. Y. Support for electrical fixtures. 1,506,330; Aug. 26.
Vandy, Sarah. (See Vandy, Burton A., assignor.)
Van Dyke, Francis A. (See Ives, Charles C., assignor.)
Vardell, Highland G., executrix. (See Vardell, A. A., and Stribling.)
Vardell, Arthur A., deceased, Dallas, by H. G. Vardell, executrix, and J. W. Stribling, Ennis, Tex. Mechanical seed separator. 1,506,268; Aug. 26.
Vesta Battery Corporation. (See Angell, Chester M., assignor.)
Vickers Limited. (See Ella, Giovanni E., assignor.)
Vickers Limited. (See McKechnie, James, assignor.)
Vig-Tor Axle Company, The. (See Torbensen, Viggo V., assignor.)
Villaret, Gustave E., assignor to William R. Noe & Sons, New York, N. Y. Candlestick. Des. 65,508; Aug. 26.
Villaret, Gustave E., assignor to William R. Noe & Sons, New York, N. Y. Base for lighting fixtures. Des. 65,509; Aug. 26.
Villaret, Gustave E., assignor to William R. Noe & Sons, New York, N. Y. Pedestal for lamps or similar articles. Des. 65,510; Aug. 26.
Volke, Henry. (See Valtman, Anton, assignor.)
V. Alten, Victor Graf, Berlin-Wilmersdorf, Germany. Collapsible easy chair, couch, etc. 1,506,464; Aug. 26.
Von Bichowsky, Foord, and J. Harthan, Glendale, Calif. Production of cyanides. 1,506,269; Aug. 26.
Von Bronk, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Jallesches, Berlin, Germany. Sending arrangement for wireless telegraphy. 1,506,358; Aug. 26.
Voss, William H., Davenport, Iowa. Washtub stand. 1,506,206; Aug. 26.
Wade, Charles E., assignor to Jefferson Forge Products Company, Detroit, Mich. Metal wheel. 1,506,098; Aug. 26.
Waechter, R. F., & Company, G. m. b. H. (See Schramm, Robert, assignor.)
Wagner Electric Corporation. (See Clark, Ernest, assignor.)
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Fastening device to be used in connection with mechanical pencils, fountain pens, and the like. 1,506,207; Aug. 26.
Wakeman, Frank M., Durham, Me. Cornet or similar article. Des. 65,511; Aug. 26.
Walker, Hiram L., assignor to Chandler Motor Car Company, Cleveland, Ohio. Method and means for fastening parts. 1,506,511; Aug. 26.
Wall, David M. J., New York, N. Y. Pipe reamer. 1,506,465; Aug. 26.
Wallach, Kaufman R., New York, N. Y. Belt. 1,505,984; Aug. 26.
Walser, Robert, Union Hill, N. J. Shoe-cleaning device. 1,506,696; Aug. 26.
Walter, Anton, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Terminal-post seal. 1,506,466; Aug. 26.
Warman, Samuel W., Uniontown, Pa. Flexible nut. 1,506,697; Aug. 26.
Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
Waters, Charles B., Montclair, N. J. Combined spot or butt and arc welder. 1,506,698; Aug. 26.
Watson, Homer E., Arnolds Park, Iowa. Burglar alarm. 1,506,467; Aug. 26.
Watson, William W., Jamestown, N. Y. Locking mechanism. 1,506,699; Aug. 26.
Watt, Robert R., et al. (See Forsyth, Douglas K., assignor.)
Wayne Tank and Pump Company. (See Nordell, Carl H., assignor.)
Weaver, John H., Philadelphia, Pa. Ash disposal. 1,506,397; Aug. 26.
Webb, Gayus, D. (See Holland, K. J., and Webb.)
Webb, John W., Chicago, Ill. Paper box. 1,506,208; Aug. 26.
Webb, Percy. (See Bedwell, G., and Webb.)

Weeks, Edward M., Washington, D. C. Safety background for checks or other documents. 1,506,144; Aug. 26.
Weeks, Frank A., Plainfield, N. J. Inkstand. 1,505,985 Aug. 26.
Wehnert, Ernest C., St. Louis, and M. G. Ryder, Overland, Mo. Capping machine. 1,506,209; Aug. 26.
Wellstatter, Rosa R., New York, N. Y. Garment. 1,505,986; Aug. 26.
Wellton, Otto G., Malmo, Sweden. Beet harvester. 1,506,398; Aug. 26.
Welty, William F., Cumberland, N. Mex. Educational device. 1,506,210; Aug. 26.
Wenthe, Herman H., assignor to Meyer & Wenthe, Chicago, Ill. Seal press. 1,506,512; Aug. 26.
Werts, Walter G. (See Bern, E., and Werts.)
Western Electric Company. (See Reynolds, J. N., and Hearn, assignors.)
Western Electric Company. (See Stevenson, George H., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Lane, George S., assignor.)
Westinghouse Air Brake Company, The. (See Lewis, Lloyd V., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascom O., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hanker, F. C., and Moss, assignors.)
Westinghouse Electric and Mfg. Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Mensforth, H., and Cowell, assignors.)
Wetmore, Charles P., assignor to Wetmore-Gibbons Co., Milwaukee, Wis. Can opener. 1,505,987; Aug. 26.
Wetmore-Gibbons Co. (See Wetmore, Charles P., assignor.)
Weymann, H. A., & Son, Inc. (See Kremp, Carl, assignor.)
Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)
Whitcomb, Lee, Plainfield, Ill. Torsion rod for automobiles. 1,506,470; Aug. 26.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,506,468; Aug. 26.
Whitney, George E., Bridgeport, assignor to The International Pavement Company, Hartford, Conn. Press. 1,506,700; Aug. 26.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Slack-adjuster arrangement. 1,506,469; Aug. 26.
Whittier, Charles P., Dalhart, Tex. Refrigerator. 1,506,701; Aug. 26.
Wiederkehr, Hans, Zurich, assignor to Firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Internal-combustion engine. 1,505,988; Aug. 26.
Wiederwax, Robert W., assignor to Geist Manufacturing Company, Atlantic City, N. J. Heating device. 1,505,989; Aug. 26.
Wilcom, Frank, and E. J. Haley, Okmulgee, Okla. Pump plunger. 1,506,702; Aug. 26.
Wildman Mfg. Co. (See Howle, Kenneth, assignor.)
Wilkes, Charles B., jr. (See Gahn, J. J., Wilkes, and Davis.)
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
Willard, Theodore A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Paste for storage batteries. 1,505,990; Aug. 26.
Williams, Jewell, Keyport, N. J., assignor to I. M. Uppercu, New York, N. Y. Dust cap. 1,506,399; Aug. 26.
Williams, Noble M., Vallejo, Calif. Shock absorber. 1,506,703; Aug. 26.
Williamson, James C., Cordele, Ga. Caliper. 1,506,704; Aug. 26.
Willis, George M., Chicago, and A. H. Boettcher, Evanston, Ill., assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas igniter. 1,506,145; Aug. 26.
Willmarth, Charles A., Tecumseh, Mich. Peat machine. 1,506,036; Aug. 26.
Willrodt, Fred L., Bijou Hills, S. Dak. Steering attachment for tractors. 1,506,706; Aug. 26.
Wills, Childe H., Marysville, Mich. Bearing lubrication. 1,506,513; Aug. 26.
Wilson, Alexander, J., and A. E., Detroit, Mich. Ham boiler. 1,560,211; Aug. 26.
Wilson, Andrew E. (See Wilson, Alexander, J., and A. E.)
Wilson, James. (See Wilson, Alexander, J., and A. E.)
Wilson, Ray O., and A. D. Sumner, assignors of forty-nine one-hundredths to F. F. Stetson, Los Angeles, Calif. Can-cap-feeding device. 1,506,099; Aug. 26.

Wilson, Ray O., and A. D. Sumner, assignors of forty-nine one-hundredths to F. F. Stetson, Los Angeles, Calif. Automatic can-top-feeding mechanism. 1,506,100; Aug. 26.
Wine, William E., Toledo, Ohio. Car-door device. 1,506,705; Aug. 26.
Winkler, William, and A. H. Miller, Brooklyn, N. Y. Overflow alarm. 1,506,101; Aug. 26.
Wirz, A. H., Inc. (See Darlington, Henry S., assignor.)
Wise, Arthur, Salt Lake City, Utah. Combination tool. 1,506,102; Aug. 26.
Wiseman, Earl H., Cleveland, Ohio, assignor, by mesne assignments, to The F. B. Shuster Company, New Haven, Conn. Automatic wire straightening and cutting-off machine. 1,505,991; Aug. 26.
Wishart, William, and A. H. Morrell, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa. Dining-car refrigerator installation. 1,506,103; Aug. 26.
Witry, Louis W., Waterloo, Iowa, and R. C. Livesay, assignors to Deere & Company, Moline, Ill. Tractor control device. 1,506,707; Aug. 26.
Wittemann, John, Milwaukee, Wis. Detachable shade-holding bracket. 1,506,730; Aug. 26.
Witzke, Gordon. (See McCoy, L., and Witzke.)
Wolcott, Edson R., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Production of aluminum chloride and other products from carbonaceous shales and like material. 1,506,104; Aug. 26.
Wolf, Andrew. (See Maloney, Edward J., assignor.)
Wolfe, John A., Tulsa, Okla. Oil tank. 1,506,708; Aug. 26.
Wolverine Bumper & Specialty Company. (See Godwin, Arthur M., assignor.)
Wood, R. D., & Company. (See Schranz, Charles A.)
Wood, Walter. (See Schranz, Charles A., assignor.)
Woodrow, Milo E. (See Hook, J. H., Thompson, and Woodrow.)
Woods, Joseph T., Hammett, Idaho. Can opener. 1,506,709; Aug. 26.
Wootton, George A. H., London, England. Electric-battery lamp or lantern. 1,506,471; Aug. 26.
Worstell, Thomas J., St. Louis, Mo. Toy balloon. Des. 65,512; Aug. 26.
Wright, Charles T. H. (See Anderson, Virgil C., assignor.)
Wuertz, John W., assignor to Pratt & Lambert, Inc., Buffalo, N. Y. Producing dull-finished enamel surfaces. 1,506,472; Aug. 26.
Wynne, Howe A., Hartville, Mo. Transmission appliance. 1,506,400; Aug. 26.
Yarnall-Waring Company. (See Chase, Lyle G., assignor.)
Yates, Calvin C., Lee, Mass. Stuff-box regulator. 1,506,280; Aug. 26.
Young, John H., Norbury, London, England. Toothbrush. 1,506,401; Aug. 26.
Yunker, William E., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Producing spray nozzles. 1,506,722; Aug. 26.
Zaloom, Salim F., New York, N. Y., assignor to Royal Nut Company. Preserving compound for pistachio nuts. Re15,902; Aug. 26.
Zaremba Company. (See Hughes, Burton S., assignor.)
Zerbe, Lewis E., Moneta, assignor to Union Tool Company, Torrance, Calif. Shaft bearing. 1,506,105; Aug. 26.
Ziemss, Henry, jr., Chicago, Ill. Aeroplane. 1,506,146; Aug. 26.
Zimmerman, Michael, Philadelphia, Pa. Bottle crate. 1,506,352; Aug. 26.
Zitscher, Arthur, Offenbach-on-the-Main, assignor to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Azodyestuffs insoluble in water and making same. 1,506,514; Aug. 26.
Zoepke, Fred W. T., Great Falls, Mont. Thrashing machine. 1,506,212; Aug. 26.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abdominal supporter. F. F. Norden. 1,506,605; Aug. 26.
Acid, Manufacturing nitrotartaric. A. Lachman. 1,506,728; Aug. 26.
Acid-proof tank or container. F. F. Brucker. 1,506,288; Aug. 26.
Acids and their derivatives and making them. Perylentetracarboxylic. M. P. Schmidt and W. Neugebauer. 1,506,545; Aug. 26.
Adhesively securing articles together. B. Dewey. 1,506,415; Aug. 26.
Advertising sign. A. B. Hook. 1,506,638; Aug. 26.
Aerial transport system. O. Camp. 1,506,613; Aug. 26.
Aeroplane. H. Ziemss, jr. 1,506,146; Aug. 26.
Aeroplanes, airships and other aircraft. Automatic bomb-dropping apparatus for. N. E. G. Meijer. 1,506,192; Aug. 26.
Air compressor. C. B. Segner. 1,506,674; Aug. 26.
Aircraft, Self-locking rudder bar for. I. M. Laddon. 1,506,008; Aug. 26.
Aircraft, Stabilizer and direction control for. W. Leathers. 1,506,069; Aug. 26.
Air lift. W. L. Bettis. 1,506,474; Aug. 26.
Airship. J. Schuette. Re15,905; Aug. 26.
Alarm: *See*—
Burglar alarm. Overflow alarm.
Electric alarm. Satchel alarm.
Alkyl, aralkyl, and aromatic compounds, Manufacture of. H. Dreyfus. 1,506,228; Aug. 26.
Alloy material, Steel. G. F. McMahon. 1,506,246; Aug. 26.
Aluminum chloride and other products from carbonaceous shales and like material, Production of. E. R. Wolcott. 1,506,104; Aug. 26.
Amusement device. S. L. Adelson. 1,505,992; Aug. 26.
Animal trap. W. H. Drought. 1,505,996; Aug. 26.
Anode. A. Kirkaldy. 1,506,306; Aug. 26.
Antivibration suspension device. W. Bird. 1,506,557; Aug. 26.
Arsenobenzene derivatives which are stable in solution, Preparing. K. Streitwolf. 1,506,460; Aug. 26.
Ash disposal. J. H. Weaver. 1,506,397; Aug. 26.
Atomizer, Centrifugal. S. M. Dick. 1,506,226; Aug. 26.
Auto jack and rim tool, Combination. W. B. Nicholson. 1,506,603; Aug. 26.
Automobile frames, Pressed-steel hanger for. G. C. Brainard. 1,506,157; Aug. 26.
Automobile hoisting apparatus. E. Pray. 1,506,665; Aug. 26.
Automobile light. A. D. Macfarlane. 1,506,022; Aug. 26.
Automobile lock. W. F. Levison. 1,506,493; Aug. 26.
Automobile lubricator. A. F. Nackers. 1,506,249; Aug. 26.
Automobile ornaments, Mounting for. I. Florman. 1,506,521; Aug. 26.
Automobile robe-rail fixture. W. Schnell. Des. 65,501; Aug. 26.
Automobile signal. K. Koenigsberg. 1,506,004; Aug. 26.
Automobile visor. D. C. Lamb. 1,506,648; Aug. 26.
Automobile wheel, Punctureproof. T. L. Ruth. 1,506,449; Aug. 26.
Automobiles, Antitheft device for. S. M. Kukura. 1,506,350; Aug. 26.
Automobiles, Dust collector for. E. B. Staples. 1,506,684; Aug. 26.
Automobiles, Torsion rod for. L. Whitcomb. 1,506,470; Aug. 26.
Aviator's cap. W. D. Stetson. 1,505,978; Aug. 26.
Awning, Roller. J. H. Stone. 1,506,686; Aug. 26.
Axle construction, Driving-. H. W. Alden and L. R. Buckendale. 1,506,037; Aug. 26.
Axle construction, Rear-. D. F. Domizi. 1,506,365; Aug. 26.
Axle for motor vehicles constituting a driving and change-speed unit, Rear. G. P. Bonnevie. 1,506,333; Aug. 26.
Azodyestuff insoluble in water and making same. A. Zitscher. 1,506,514; Aug. 26.
Bag fastener. F. A. Fuller. 1,506,233; Aug. 26.
Baling machine. K. O. Nelson. 1,506,076; Aug. 26.
Ball. A. J. Eldon. Des. 65,466; Aug. 26.
Balls, Process of and apparatus for forming. F. E. Marcy. 1,505,964; Aug. 26.
Bar, Adjuster. J. D. Lemex. 1,506,593; Aug. 26.
Batteries, Electrolyte for storage. E. A. Barkalow. 1,505,993; Aug. 26.
Batteries, Paste for storage. T. A. Willard. 1,505,990; Aug. 26.
Batteries, Separator for. E. G. Burton. 1,506,561; Aug. 26.
Battery: *See*—
Dry battery. Storage battery.
Battery. L. L. Jones and N. D. Sturges. 1,506,304; Aug. 26.
Battery. N. D. Sturges. 1,506,278; Aug. 26.
Battery. N. D. Sturges. 1,506,390–2; Aug. 26.
Battery cell, Storage-. A. O. Garrett, C. E. Funnell, and W. L. Hoffman. 1,506,297; Aug. 26.
Battery filler. F. H. Fredetto. 1,506,172; Aug. 26.
Battery-plate-burning guide. H. W. Seublom. 1,506,673; Aug. 26.
Bead stringer and package. S. Lapin. 1,506,010; Aug. 26.
Bearing. S. M. Chase. 1,506,710; Aug. 26.
Bearing lubrication. C. H. Wills. 1,506,513; Aug. 26.
Bearing, Shaft. L. E. Zerbe. 1,506,105; Aug. 26.
Bearing-sleeve remover. W. C. Shaw. 1,506,258; Aug. 26.
Bed. A. Hegedüs. 1,506,525; Aug. 26.
Bed, Couch. J. A. Dewey. 1,506,416; Aug. 26.
Beef, Wrapping. J. P. Murphy. 1,506,599; Aug. 26.
Belt. K. R. Wallach. 1,505,984; Aug. 26.
Belt and pants-girth reducer, Secret safety. J. Rosenstein. 1,506,255; Aug. 26.
Belt fastener. M. Kiefer. 1,506,489; Aug. 26.
Belt, Swimming. S. Bower. 1,506,359; Aug. 26.
Belt-tightening mechanism, Safety lock for. J. H. Berryman. 1,505,940; Aug. 26.
Belts, Tension regulator for driving. W. Ellwood. 1,506,167; Aug. 26.
Beveling, Method and means of. F. C. Simmons. 1,506,387; Aug. 26.
Beverage. L. F. Rettger and H. A. Chaplin. 1,506,501; Aug. 26.
Bias-cutting machine. R. Iredell. 1,506,428; Aug. 26.
Bib or apron for dentists' use and the like. W. O. Bloom. 1,506,332; Aug. 26.
Billiard tables, Movable bull rack for pocket-. P. J. Saxer. 1,506,505; Aug. 26.
Binder, Loose-leaf. G. A. Olsen. 1,506,251; Aug. 26.
Binding clips to webbing, Automatic machine for making and applying metallic. F. J. Kotzich. 1,506,535; Aug. 26.
Bit: *See*—
Core-drill bit.
Bituminous composition. L. Kirschbraun. 1,506,371; Aug. 26.
Blanket. K. G. Healey. Des. 65,475; Aug. 26.
Block: *See*—
Double snatch block. Well-rig traveling block.
Block-surfacing machine. E. Chapman. 1,505,947; Aug. 26.
Board: *See*—
Ironing board. Pulpboard.
Boiler: *See*—
Ham boiler.
Boiler. T. W. Dahlquist. 1,506,050; Aug. 26.
Boilers, Furnace arch for. C. A. Strachota. 1,506,458; Aug. 26.
Bolt and method, Expansion. H. W. Pleister. 1,506,384; Aug. 26.
Book holder. F. A. McGuire. 1,506,651; Aug. 26.
Book, Loose-leaf. R. C. Russell. 1,506,448; Aug. 26.
Book support and index, Library. H. C. Snoddy 1,506,204; Aug. 26.
Booth, Sectional. A. J. Rheinberger. 1,506,502; Aug. 26.
Boring-tool holder. L. Swanson. 1,506,034; Aug. 26.
Bottle-making machine. S. G. Stuckey. 1,506,687; Aug. 26.
Bottle stopper, Water-. H. P. Kraft. 1,506,006; Aug. 26.
Box: *See*—
Mail box. Suit box.
Paper box. Vanity box.
Shipping box.
Box. F. F. Hamilton. Des. 65,472–4; Aug. 26.
Box machine, Automatic. R. H. Fenn. 1,506,116; Aug. 26.
Box opener. O. A. Karhu. 1,506,591; Aug. 26.
Bracelet hook. N. T. Nelson. 1,506,439; Aug. 26.
Bracket: *See*—
Shade-holding bracket.
Brake: *See*—
Clutch brake. Fluid-pressure brake.
Disk brake. Variable-load brake.

Brake. K. P. Hangl. 1,506,582; Aug. 26.
Brake. V. V. Torbensen. 1,506,205; Aug. 26.
Brake and spooling drum, Combined. E. W. Goeser and W. D. Davidson. 1,506,479; Aug. 26.
Brake-operating machine. J. L. Shultz. 1,506,091; Aug. 26.
Brakes, Automatic take-up device for. C. L. Kinder and H. D. Cooper. 1,506,490; Aug. 26.
Brassière. G. S. Monrose. 1,506,248; Aug. 26.
Brickmaking machine. R. P. M. Davis. 1,506,221; Aug. 26.
Brush and tumbler bracket, Combined. P. Spiegel. Des. 65,503; Aug. 26.
Brush, Barber's magazine powder. S. Corsello. 1,506,292; Aug. 26.
Buckle, Clamping. A. H. Kerngood. 1,506,349; Aug. 26.
Building construction. W. Murphy. 1,506,656; Aug. 26.
Building, Sectional. L. Swisher. 1,506,267; Aug. 26.
Bumper. W. E. Dunston. 1,506,518; Aug. 26.
Bumper and luggage carrier, Combined. E. H. Specht. 1,506,274; Aug. 26.
Burglar alarm. H. E. Watson. 1,506,467; Aug. 26.
Burner: *See*—
Gas burner.
Burner. H. Howle. 1,506,585; Aug. 26.
Burner. W. W. Minter. 1,506,025; Aug. 26.
Butter cutter. J. G. Calvert and D. C. Clinton. 1,505,945; Aug. 26.
Button, Cuff. W. McClellan. Des. 65,483; Aug. 26.
Cabinet, Dispensing. M. M. Marcuse. 1,506,120; Aug. 26
Calculator. M. B. Cutshaw. 1,506,112; Aug. 26.
Caliper. J. C. Williamson. 1,506,704; Aug. 26.
Can: *See*—
Sliver can.
Can-cap-feeding device. R. O. Wilson and A. D. Sumner. 1,506,099; Aug. 26.
Can cover, Sanitary milk and cream. E. R. Stemman. 1,506,685; Aug. 26.
Can handle, Milk-. F. T. Toffey. 1,506,694; Aug. 26.
Can opener. J. S. Moore and J. Meyer. 1,506,318; Aug. 26.
Can opener. C. P. Wetmore. 1,505,987; Aug. 26.
Can opener. J. T. Woods. 1,506,709; Aug. 26.
Can-top-feeding mechanism, Automatic. R. O. Wilson and A. D. Sumner. 1,506,100; Aug. 26.
Candlestick. G. E. Villaret. Des. 65,508; Aug. 26.
Candlestick or similar article. W. Geib. Des. 65,469; Aug. 26.
Candy-making machine. L. McCoy and G. Witzke. 1,506,539; Aug. 26.
Cane-crushing apparatus. H. Hurter. 1,506,002; Aug. 26.
Cane or similar article. J. W. Tracy. Des. 65,507; Aug. 26.
Cap, Dust. J. Williams. 1,506,399; Aug. 26.
Cap or the like, Dust. H. P. Kraft. 1,506,005; Aug. 26.
Capping machine. E. C. Webnert and M. G. Ryder. 1,506,209; Aug. 26.
Car door. W. E. Wine. 1,506,705; Aug. 26.
Car door, Bottom-supported. W. P. Murphy. 1,506,026; Aug. 26.
Car door, Grain-. M. Klaus. 1,506,310; Aug. 26.
Car-door-locking device. L. J. Tillman. 1,506,692; Aug. 26.
Car door, Sheet-metal. W. P. Murphy. 1,505,966; Aug. 26.
Car, Metal reenforcement for the wooden end wall of a railway box. V. E. Sisson. 1,505,975; Aug. 26.
Car, Railway hand. W. F. Kasper. 1,506,488; Aug. 26.
Cars and the like, Ventilating device for motor. K. Skerrett. 1,506,093; Aug. 26.
Cars, Box-packing device for freight. G. M. Thompson. 1,506,462; Aug. 26.
Cars, Constructing railway. W. F. Cremean. 1,506,615; Aug. 26.
Cars, Transferring device for railway motor. M. M. Anthony. 1,506,213; Aug. 26.
Carburetor. O. H. Ensign. 1,506,229; Aug. 26.
Carburetor vaporizer. V. C. Anderson. 1,506,148; Aug. 26.
Cardboard container. E. G. Gereke. 1,505,999; Aug. 26.
Card index. R. C. Russell. 1,506,447; Aug. 26.
Carriage, Safety baby. M. Kahne. 1,506,347; Aug. 26.
Carrier: *See*—
Luggage carrier. Shaft carrier.
Medicine case.
Case: *See*—
Show case. Vanity case.
Casein size and producing same. A. E. Regnier. 1,506,081; Aug. 26.
Cash register. M. M. Goldberg. 1,506,056; Aug. 26.
Cash register. B. M. Shipley. 1,506,260; Aug. 26.
Casket, Vault. J. E. Moore. 1,506,379; Aug. 26.
Cast articles, Manufacturing. W. Henker. 1,506,060; Aug. 26.
Cement-block mold. G. F. Burkholder. 1,506,475; Aug. 26.
Chafing shield. D. B. Bolls. 1,506,558; Aug. 26.
Chair: *See*—
High chair.
Chair, couch, etc., Collapsible easy. V. Graf v. Alten. 1,506,464; Aug. 26.
Checks or other documents, Safety background for. E. M. Weeks. 1,506,144; Aug. 26.
Cigarettes and other small articles, Apparatus for feeding and collating. W. E. Molins. 1,506,498; Aug. 26.
Clamp: *See*—
Well-casing clamp.
Clamping means. A. L. Eustice. 1,506,520; Aug. 26.
Clarinet and saxophone mouthpiece. H. M. Chiron and F. Parme. 1,506,363; Aug. 26.
Cleaner: *See*—
Scoop or ditch cleaner. Windshield cleaner.
Vacuum cleaner.
Cleaning implement. G. J. Kelly. 1,506,305; Aug. 26.
Clip: *See*—
Music-roll-box clip.
Clip. W. F. Buschardt. 1,506,612; Aug. 26.
Clock and bank, Combined. H. R. Roberts. Des. 65,495; Aug. 26.
Closets, Removable lining for. W. R. Coffee. 1,506,566; Aug. 26.
Closure lock. R. H. Binns. 1,506,286; Aug. 26.
Closure member. R. H. Binns. 1,506,285; Aug. 26.
Clothes-pressing machine. C. H. Lewis. 1,506,594; Aug. 26.
Clothesline reel. C. Peterson. 1,505,969; Aug. 26.
Club handle, Putter-. A. H. Gordon. 1,506,523; Aug. 26.
Clutch. E. E. Heintz. 1,506,177; Aug. 26.
Clutch brake. J. S. Biddle and J. P. Thompson. 1,505,941; Aug. 26.
Clutch-control mechanism. H. E. Anderson. 1,506,607; Aug. 26.
Clutch release, Safety. L. Clement. 1,506,110; Aug. 26.
Coating tubular articles by immersion. M. Lowy. 1,506,314; Aug. 26.
Cock, Drain. W. B. George. 1,506,577; Aug. 26.
Cock, Gauge. C. R. Moore. 1,505,965; Aug. 26.
Cock-operating device, Pet-. W. D. S. Brace. 1,506,106; Aug. 26.
Coffee dispenser, Automatic. A. I. McAllen. 1,506,712; Aug. 26.
Combustion-promoting device. D. Eggertson. 1,506,620; Aug. 26.
Commutator. E. Clarke. 1,506,408; Aug. 26.
Compressor. G. J. Spoerer. 1,505,976; Aug. 26.
Concrete and other plastics, Mixing. R. C. Stubbs. 1,506,143; Aug. 26.
Concrete mixer and conveyer. K. R. Schuster. 1,506,089; Aug. 26.
Concrete-mixing device. H. M. Smith. 1,506,680; Aug. 26.
Concrete poles, Producing. H. E. Hagen and J. Kjölsrud. 1,506,173; Aug. 26.
Concrete under pressure, Apparatus for mixing. R. C. Stubbs. 1,506,142; Aug. 26.
Container. V. C. Snyder. 1,506,389; Aug. 26.
Containers, Manufacturing. M. Bello and J. J. Bretson. 1,506,214; Aug. 26.
Control device, Automotive. S. G. Down. 1,505,949; Aug. 26.
Control system. B. O. Austin. Re15,898; Aug. 26.
Conveyer. A. J. Rebstock. 1,505,971; Aug. 26.
Cooking utensil. F. J. Stolitzka. 1,505,980; Aug. 26.
Core-drill bit. C. C. Hansen. 1,506,119; Aug. 26.
Core-handling device. T. Midgley. 1,506,436; Aug. 26.
Coring and seeding device. G. L. Smith. 1,506,679; Aug. 26.
Cornet or similar article. F. M. Wakeman. Des. 65,511; Aug. 26.
Corset. L. K. Rhode. 1,506,254; Aug. 26.
Cosmetic holder S. A. Jaroslawski-Fioret. 1,506,590; Aug. 26.
Coupling: *See*—
Hose coupling. Pipe coupling.
Cover holder, Container-. J. S. Pearson. 1,506,199; Aug. 26.
Cramping device. W. S. Graffam. 1,506,481; Aug. 26.
Crate. E. A. Francis and W. Salow. 1,506,627; Aug. 26.
Crate, Bottle. M. Zimmerman. 1,506,352; Aug. 26.
Crate, Collapsible. J. D. Hannah. 1,506,175; Aug. 26.
Crate, Packing. G. L. Aston. 1,506,355; Aug. 26.
Cube mixer, Elongated. J. C. French. 1,506,117; Aug. 26.
Cultivator. C. E. Bauer. 1,506,042; Aug. 26.
Cultivators, Fender attachment for. A. F. Matthews. 1,506,496; Aug. 26.
Cup: *See*—
Grease cup.
Current and tidal-current motor. J. Tydings. 1,506,495; Aug. 26.
Current apparatus in which capacity is desired, Operating alternating-. R. D. Mershon. 1,506,378; Aug. 26.
Current cut-out, Excess-. L. Haag. 1,506,483; Aug. 26.
Cutter: *See*—
Butter cutter. Fruit cutter.
Cutting table. C. Fancher. 1,506,368; Aug. 26.
Cyanides, Production of. F. Von Bichowsky and J. Harthan. 1,506,269; Aug. 26.
Damper. B. M. Schauman. 1,506,386; Aug. 26.
Date-stamping device. A. Marsh and H. P. Alals. 1,506,191; Aug. 26.
Decorated body and making same. W. G. Lindsay. 1,506,014; Aug. 26.
Dental equipment stand. A. F. Pieper. 1,506,328; Aug. 26.
Dental polishing disk. G. A. Parks. 1,506,078; Aug. 26.
Deposit-receiving machine. H. B. Kline. 1,506,491; Aug. 26.

Desk for cashiers. I. Kamin. 1,506,348; Aug. 26.
Desks, Detachable scroll for portable. L. E. Myers. 1,505,967; Aug. 26.
Diesinking machines, Tracer control for. J. C. Shaw. 1,506,454; Aug. 26.
Diestock. L. F. Hart. 1,506,484; Aug. 26.
Discharge mechanism. J. R. Gruetter. 1,506,632; Aug. 26.
Dish, Combination cheese and cracker. H. B. Duncan. Des. 65,465; Aug. 26.
Disinfectants, deodorants, and the like, Distributor container for holding and diffusing. P. S. O'Donnell. 1,506,659; Aug. 26.
Disk brake. J. C. Flickinger. 1,506,623; Aug. 26.
Dispensing container. H. Hirsch. 1,506,637; Aug. 26.
Dispensing stand. J. Fazio. Des. 65,467; Aug. 26.
Display device. G. T. Fielding. 1,506,419; Aug. 26.
Display rack. A. D. Bowen. 1,506,611; Aug. 26.
Doll. J. S. Graham. 1,506,340; Aug. 26.
Doll. F. O. King. Des. 65,478; Aug. 26.
Door-control apparatus. A. Gottschalk. 1,506,057; Aug. 26.
Door, Grain. L. H. Miller. 1,506,713; Aug. 26.
Door, Hog. H. Fintel. 1,506,622; Aug. 26.
Door-lock installation. W. C. Devereaux. 1,506,051; Aug. 26.
Door or closure. F. J. McMurdie. 1,506,596; Aug. 26.
Door, Rolling. F. L. Sterchele. 1,506,508; Aug. 26.
Double snatch block. D. C. McMillan. 1,506,376; Aug. 26.
Doughnut machine. D. P. Fleming. 1,506,232; Aug. 26.
Drain pan. E. E. Perritt. 1,506,028; Aug. 26.
Draw frame. E. Basso. 1,506,554; Aug. 26.
Drill: *See*—
Pneumatic drill.
Drilling machines, Pipe coupling attachment for rotary. G. W. Hoffman. 1,506,583; Aug. 26.
Driving connection, Adjustable. G. L. McCain. 1,506,072; Aug. 26.
Dry battery. F. D. Moyer. 1,506,196; Aug. 26.
Dry battery, Deferred-action. A. K. Huntley. 1,506,181; Aug. 26.
Dry cell and making the same. R. C. Benner and H. F. French. 1,506,217; Aug. 26.
Dry cell, Hermetically-sealed. H. D. Batchelor. 1,505,939; Aug. 26.
Drying apparatus. J. G. Bassette and C. D. Corwin. 1,506,041; Aug. 26.
Drying apparatus. G. A. Lough. 1,506,650; Aug. 26.
Dump. C. B. Roark. 1,506,667; Aug. 26.
Dye adsorption of soils, Determining the. E. C. E. Lord. 1,506,351; Aug. 26.
Dye and making the same, Pyrazolone. E. A. Markush. 1,506,316; Aug. 26.
Eccentric. J. A. Hillard. 1,506,122; Aug. 26.
Educational cards, Display holder and container for. A. Björklund-Asperén. 1,506,156; Aug. 26.
Educational device. W. F. Welty. 1,506,210; Aug. 26.
Egg timers, Operating mechanism for. S. O. Dearing. 1,506,113; Aug. 26.
Electric alarm. H. W. Steckel. 1,506,264; Aug. 26.
Electric arc, High-frequency. E. F. Northrup. 1,506,320; Aug. 26.
Electric candle-socket structure. M. Herskovitz. 1,506,063; Aug. 26.
Electric cell containing a salt inhibiting the production of gas. A. A. MacKenzie. 1,506,189; Aug. 26.
Electric circuits, Protective means for. G. H. Stevenson. 1,506,275; Aug. 26.
Electric furnace. T. F. Baily. 1,506,281; Aug. 26.
Electric generator. Magneto. H. G. Cox. 1,506,569; Aug. 26.
Electric heater and its mode of manufacture. L. P. Hynes. 1,506,065; Aug. 26.
Electric-light-globe attachments to holders, Locking. E. W. Hutchings. 1,506,487; Aug. 26.
Electric long-distance control. R. Förster. 1,506,625; Aug. 26.
Electric oscillator. A. W. Hull. 1,506,486; Aug. 26.
Electric switch. J. R. Carlson. 1,506,563; Aug. 26.
Electrical cable socket or lug. E. Scharpenberg. 1,506,671; Aug. 26.
Electrical fixtures, Support for B. A. Vandy. 1,506,330; Aug. 26.
Electrical indicating marker. C. G. Garrigus. 1,506,576; Aug. 26.
Electrical multiwire system. P. Schade. 1,506,450; Aug. 26.
Electrical switch. W. Akemann. 1,506,606; Aug. 26.
Electrical system. F. C. Hanker and C. M. Moss. Re15,890; Aug. 26.
Electrode. A. Kirkaldy. 1,506,307–8; Aug. 26.
Electroller. D. Brussell. Des. 65,463; Aug. 26.
Electron-discharge device. W. C. White. 1,506,468; Aug. 26.
Elevators, Control for electric. H. F. Parker. 1,506,380; Aug. 26.
Emergency stopping device. O. Jordan. 1,506,644; Aug. 26.
Emulsion treatment. W. Broadbridge and E. Edser. 1,505,944; Aug. 26.
Enamel surfaces, Producing dull-finished. J. W. Wuertz. 1,506,472; Aug. 26.
End-gate lock. J. M. Sisko. 1,506,092; Aug. 26.
Engine: *See*—
Internal-combustion engine. Reciprocating engine.
Engine air percolator. L. Joubert. 1,505,961; Aug. 26.
Engine fuel heater, Internal-combustion-. J. D. Tyler. 1,506,695; Aug. 26.
Engine starter. S. A. Ellett. 1,505,998; Aug. 26.
Engine starter. F. Saintin. 1,506,256; Aug. 26.
Engine starter. B. J. Steen. 1,506,265; Aug. 26.
Engines, Apparatus for supplying fuel to internal-combustion. S. J. Pingree. 1,506,548; Aug. 26.
Engines, Carburetor for internal-combustion. L. A. de Becker. 1,506,224; Aug. 26.
Engines, Compensating connecting rod for internal-combustion. T. Matson. 1,506,540; Aug. 26.
Engines, Control and reversing gear of internal-combustion. J. McKechnie. 1,506,375; Aug. 26.
Engines, Fuel economizer for internal-combustion. C. Keck. 1,506,436; Aug. 26.
Engines, Fuel-injecting means for internal-combustion. K. J. E. Hesselman. 1,506,636; Aug. 26.
Engines, Oiling system for internal-combustion. J. G. Baldwin. 1,506,553; Aug. 26.
Engines, Regulation of the combustible mixture in internal-combustion. A. A. M. Durrant. 1,506,166; Aug. 26.
Engines, Timer for internal-combustion. L. L. Randall. 1,506,666; Aug. 26.
Envelope, Nonmucilage self-sealing. P. T. Griffin. 1,506,058; Aug. 26.
Envelopes and the like, Feed mechanism for. E. E. Gray. 1,506,423; Aug. 26.
Equalizing device. A. J. Hodge. 1,506,485; Aug. 26.
Evaporating apparatus. L. B. Castets. 1,506,218; Aug. 26.
Excavating device. J. W. Page. 1,506,077; Aug. 26.
Excavating machine, Surface-. T. J. Freda. 1,506,421; Aug. 26.
Exercising apparatus. R. A. Grover. 1,506,631; Aug. 26.
Exhaust-control reservoir and brake valve. A. G. Shaver. 1,505,974; Aug. 26.
Exsiccating or concentrating solutions. G. A. Krause. 1,506,647; Aug. 26.
Eyeshade or glareshield. W. D. Pickard. 1,506,664; Aug. 26.
Fabric strips, Apparatus for cutting and winding. J. E. Perrault. 1,506,327; Aug. 26.
Fan, Automatic. E. Parisi. 1,506,325; Aug. 26.
Fan, Portable electric. H. Gansel. 1,506,522; Aug. 26.
Fastening parts, Method and means for. H. L. Walker. 1,506,511; Aug. 26.
Feeder, Mechanical stock. A. T. Pence. 1,506,079; Aug. 26.
Film evaporater. B. S. Hughes. 1,506,001; Aug. 26.
Filter. C. L. McCarty. 1,506,019; Aug. 26.
Finger ring. A. Niola and M. Marino. Des. 65,488; Aug. 26.
Fire-extinguishing system, Stationary chemical-mixing. J. W. Enright. 1,506,621; Aug. 26.
Fire pot. H. B. Kimmel. 1,506,432; Aug. 26.
Fish-spearing device. J. H. Lange. 1,506,068; Aug. 26.
Fishing reel. P. Catucci. 1,506,162; Aug. 26.
Flanged articles and product thereof, Forming. A. Martin. 1,506,435; Aug. 26.
Flash light. N. M. Hopkins. 1,506,303; Aug. 26.
Flash light and electrolytic rectifier. N. M. Hopkins. 1,506,302; Aug. 26.
Floor-scrubbing machine. C. S. Lundgren. 1,506,016; Aug. 26.
Fluid meter. W. I. Staaf. 1,506,683; Aug. 26.
Fluid-pressure brake. C. C. Farmer. 1,505,951; Aug. 26.
Fluid-pressure brake. G. S. Lane. 1,506,009; Aug. 26.
Flying apparatus. M. Forchione. 1,506,624; Aug. 26.
Foods, Process and apparatus for treating. F. A. Hoyer. 1,506,528; Aug. 26.
Frame: *See*—
Draw frame.
Fret-lock system. C. H. Siegmund. 1,506,507; Aug. 26.
Fruit and the like, Apparatus for treating. H. C. Ricketts. 1,506,718; Aug. 26.
Fruit cutter. H. M. Pitman. 1,506,499; Aug. 26.
Fuel-feeding apparatus. C. H. Martin. 1,506,247; Aug. 26.
Furnace: *See*—
Electric furnace.
Furnace retort. J. W. McLaughlin and G. H. Gell. 1,506,188; Aug. 26.
Furnace retort. C. H. Smith. 1,506,140; Aug. 26.
Furnaces, Hand-operated stoker mechanism for. J. J. Bridgeford. 1,506,560; Aug. 26.
Fuse, Renewable electric. S. B. Condit, jr. 1,506,049; Aug. 26.
Game. M. A. Drews. 1,506,366; Aug. 26.
Game. W. F. Drown. 1,506,338; Aug. 26.
Game. F. L. Ordway. 1,506,715; Aug. 26.
Game apparatus. C. Filberg. 1,506,171; Aug. 26.
Game device. W. J. Guinan. 1,506,369; Aug. 26.
Garment. R. R. Wellstatter. 1,505,986; Aug. 26.
Garment pocket. L. P. Hammond. 1,506,059; Aug. 26.
Garment press. A. E. Snow. 1,506,455; Aug. 26.
Gas burner. C. K. Erikstrup. 1,506,168; Aug. 26.
Gas heater. H. R. Humphrey. 1,506,586; Aug. 26.
Gas heater, Radiant. H. Kielberg. Des. 65,477; Aug. 26.
Gasifying sawdust and like fuels, Suction gas producer for. H. Dormand. 1,506,227; Aug. 26.
Gas meter. G. A. Lane. 1,506,313; Aug. 26.
Gas mixtures, Method of and apparatus for testing. O. Dommer. 1,506,617; Aug. 26.

Gas, Process of and apparatus for making. W. C. Dayton. 1,506,164; Aug. 26.
Gas producer, Feeding device for. C. A. Schranz. 1,506,672; Aug. 26.
Gauge: *See*—
Oil gauge.
Gear assembly, Worm-. H. E. Van Alstyne. 1,505,983; Aug. 26.
Gear-positioning mechanism. E. M. Cole. 1,506,568; Aug. 26.
Gear wheel. H. H. Iler. 1,506,642; Aug. 26.
Gears or other polygonal articles, Machine for. G. B. Stevenson. 1,506,095; Aug. 26.
Generator: *See*—
Electric generator. Violet-ray generator.
Glass decanter. J. S. Algeo. Des. 65,469; Aug. 26.
Glass or similar article, Sheet. J. M. Richards. Des. 65,493; Aug. 26.
Glass scraper. J. S. Knight. 1,506,534; Aug. 26.
Glauconite and making same, Stabilized. C. H. Nordell. 1,506,198; Aug. 26.
Glue, Casein. H. L. Prestholdt. 1,506,201–3; Aug. 26.
Glue, Water-resistant. A. C. Lindauer and G. M. Hunt. 1,506,013; Aug. 26.
Governor. J. Hurst. 1,506,588; Aug. 26.
Graphite, Purifying. M. Langheinrich. 1,506,537; Aug. 26.
Grate-bar support. H. F. Penney and C. C. Frautz. 1,506,200; Aug. 26.
Grease cup. D. P. Ordway. 1,506,660; Aug. 26.
Grease guns, Plunger for. K. E. Lyman. 1,506,018; Aug. 26.
Grinding mill and material-removing means therefor. H. W. Hardinge. 1,506,120; Aug. 26.
Grinding wheels, Machine for truing and dressing. J. F. Mirrielees. 1,506,655; Aug. 26.
Grip and jack, Combined. L. C. Powell. 1,505,970; Aug. 26.
Guns and the line-carrying ring therefor, Ammunition for line-throwing. J. W. Stockett. 1,506,097; Aug. 26.
Guns, Duplex control for flexibly-mounted. H. B. Inglis. 1,505,959; Aug. 26.
Hair-cutting appliance. S. Severson. 1,506,139; Aug. 26.
Hair form. W. C. and E. D. Scherer. 1,506,272; Aug. 26.
Ham boiler. A., J., and A. E. Wilson. 1,506,211; Aug. 26.
Handle: *See*—
Can handle. Tool handle.
Club handle.
Hanger: *See*—
Truck hanger.
Harrow, Disk. H. H. Lohmeyer. 1,506,595; Aug. 26.
Harvester, Beet. J. J. Hruska. 1,505,957; Aug. 26.
Harvester, Beet. O. G. Wellton. 1,506,398; Aug. 26.
Hat holder. W. H. Pike. 1,506,329; Aug. 26.
Headlight, Automobile. G. and M. N. Fenwick. Des. 65,468; Aug. 26.
Headlight dimmer. K. J. Holland and G. D. Webb. 1,506,064; Aug. 26.
Headlight, Dirigible. A. M. Haanstad. 1,506,723; Aug. 26.
Headlights, Glareshield for vehicle. C. P. Hoefler. 1,506,238; Aug. 26.
Heat, Apparatus for the exchange of. J. M. Harrison. 1,506,121; Aug. 26.
Heat, Method and means of producing. J. H. O'Neill. 1,506,322–3; Aug. 26.
Heater: *See*—
Engine fuel heater. Water heater.
Gas heater.
Heater casing, Electric-. G. Graff. Des. 65,471; Aug. 26.
Heater casing, Electric-. E. N. Lightfoot. Des. 65,481; Aug. 26.
Heating device. R. W. Wiederwax. 1,505,989; Aug. 26.
Heel and attaching plate therefor. A. W. Buck. 1,505,289; Aug. 26.
Heel, Iron-reenforced shoe. A. C. Tirapani. 1,506,693; Aug. 26.
Helicopter steering and stabilizing mechanism. R. P. Pescara. 1,506,716; Aug. 26.
High chair. G. H. Giffin. 1,506,629; Aug. 26.
Hoists, Motor brake for electric. E. N. Hescock. 1,506,341; Aug. 26.
Holding device. F. Abbott. 1,506,147; Aug. 26.
Hollow objects, Molding. W. Henker. 1,506,061–2; Aug. 26.
Hook: *See*—
Bracelet hook.
Hook cluster, Utility. S. S. Rose and S. L. Swope. 1,506,668; Aug. 26.
Horse-collar pad. H. G. Anderson. 1,505,936; Aug. 26.
Hose coupling. G. W. Charette. 1,506,048; Aug. 26.
Hose reel, Automatic. A. Dowrello. 1,506,517; Aug. 26.
Hose supporter. D. L. Gabler. 1,506,298; Aug. 26.
Humidifying attachment. H. Nagel. 1,506,600; Aug. 26.
Hydrant. W. S. Sherman. 1,506,259; Aug. 26.
Hydraulic structures, Gate for. W. G. Fargo. 1,506,230; Aug. 26.
Hydrocycle. Q. Bartolomucci. 1,506,283; Aug. 26.
Ice cap. L. A. Craig. 1,506,516; Aug. 26.
Ice-cream freezer. N. F. Sharp. 1,506,506; Aug. 26.
Igniter, Gas. G. M. Willis and A. H. Boettcher. 1,506,145; Aug. 26.
Illustrated-story-display device. T. B. Lamb. 1,506,067; Aug. 26.
Ink. E. Rötze and E. Trujillo. 1,506,082; Aug. 26.
Inkstand. F. A. Weeks. 1,505,985; Aug. 26.
Interlocking machines, Detachable-unit circuit controller for. W. K. Howe. 1,506,179; Aug. 26.
Internal-combustion engine. C. J. Bohrer and C. E. Nachtrab. 1,505,943; Aug. 26.
Internal-combustion engine. H. Wiederkehr. 1,505,988; Aug. 26.
Ironing board. C. C. Ives. 1,506,240; Aug. 26.
Jack. S. M. Chase. 1,505,948; Aug. 26.
Jig and vise, Combination. R. E. Hunke and C. H. Frank. 1,506,641; Aug. 26.
Joinery work, Universal machine for. H. J. V. Berthelsen, A. L. Hansen, and J. Jensen. 1,506,154; Aug. 26.
Jointing composition. G. W. Blake and C. E. Sheldon. 1,506,044; Aug. 26.
Journal frames, Machine for finishing. J. B. Ruattl. 1,506,504; Aug. 26.
Kiln, Tunnel. P. Dressler. 1,506,573; Aug. 26.
Knitting machine. H. Seiders. 1,505,973; Aug. 26.
Knitting machines, Driving mechanism for. A. E. Berdon'. 1,506,151; Aug. 26.
Knitting machines, Loop-transfer mechanism for. K. Howie. 1,506,427; Aug. 26.
Knitting machines, Stop mechanism for. A. E. Berdon'. 1,506,152; Aug. 26.
Knitting machines, Take-up mechanism for. A. E. Berdon'. 1,506,153; Aug. 26.
Lace knitting machine. I. Springthorpe. Re15,901; Aug. 26.
Lamp and base. J. Mandel. 1,506,377; Aug. 26.
Lamp base. F. H. Nall. Des. 65,487; Aug. 26.
Lamp, Direction, trouble, and parking. W. J. Stott. Des. 65,505; Aug. 26.
Lamp, Electric. L. Kellner. 1,506,183; Aug. 26.
Lamp, Electric. S. M. Lucas. 1,506,071; Aug. 26.
Lamp or lantern, Electric-battery. G. A. H. Wootton. 1,506,471; Aug. 26.
Lamp or similar article, Hanging. I. Rosenblatt. Des. 65,497; Aug. 26.
Lamps and other fragile articles, Box or carton for holding electric. R. Hunt. 1,506,587; Aug. 26.
Lamps, Globe bracket for incandescent. H. J. Maynard. 1,506,542; Aug. 26.
Lamps or similar articles, Pedestal for. G. E. Villaret. Des. 65,510; Aug. 26.
Last, Collapsible. F. J. Shanisev, sr. 1,506,090; Aug. 26.
Lathe dog. A. Valtman. 1,506,035; Aug. 26.
Lathes and like machines, Stock rest for. J. P. Brophy. 1,506,107; Aug. 26.
Laundry extractors, Detachable cone for. W. M. Chace. 1,505,946; Aug. 26.
Lawn-edge trimmer. A. E. Courtney. 1,506,410; Aug. 26.
Lead peroxide, Making. M. Grunbaum. 1,506,633; Aug. 26.
Level, Adjustable spirit. C. D. Benedict. 1,506,556; Aug. 26.
Level, Plumb. H. A. Tullant. 1,506,689; Aug. 26.
License plate and holder. M. M. Larsen. 1,506,492; Aug. 26.
Light: *See*—
Automobile light. Flash light.
Lighter, Portable. R. Schramm. Des. 65,502; Aug. 26.
Lighting-fixture base. G. E. Villaret. Des. 65,509; Aug. 26.
Lighting fixture or an article of similar nature. I. Rosenblatt. Des. 65,496; Aug. 26.
Lighting fixtures, Mounting device for. A. Janovsky. 1,506,345; Aug. 26.
Limb, Artificial. C. Dusoutter. 1,506,225; Aug. 26.
Line switch. J. N. Reynolds and J. F. Hearn. 1,506,271; Aug. 26.
Linoleum, Manufacture of. A. A. Godfrey. 1,506,235; Aug. 26.
Load-brake device. T. H. Thomas. 1,505,981; Aug. 26.
Lock: *See*—
Automobile lock. End-gate lock.
Closure lock.
Lock. B. J. Greer. 1,506,236; Aug. 26.
Lock tumbler. E. A. Hill. 1,506,720; Aug. 26.
Locking device. J. C. Jensen. 1,506,241; Aug. 26.
Locking mechanism. W. W. Watson. 1,506,699; Aug. 26.
Locks, Signal for time. F. E. Crawford. 1,506,337; Aug. 26.
Lubricator: *See*—
Automobile lubricator.
Luggage carrier. J. M. Gibbons. 1,506,422; Aug. 26.
Luggage carrier and bed, Combination. C. Hammond and L. S. Ogle. 1,506,174; Aug. 26.
Lumber-sorting device. L. Nordström and K. E. R. Löfgren. 1,506,657; Aug. 26.
Machine element. F. H. Stolp. 1,506,276; Aug. 26.
Magnitude which varies with the time, Apparatus for determining. W. Akemann. 1,505,935; Aug. 26.
Mah-juck rack. J. Sanchez. 1,506,088; Aug. 26.
Mail box. O. O. Kolstad. 1,506,646; Aug. 26.
Manifold sheet. D. T. Glackin. 1,506,234; Aug. 26.
Manikin actors, Producing. E. E. Blanton. 1,505,942; Aug. 26.
Manometer, Thermocouple. K. Kambayashi. 1,506,003; Aug. 26.
Match holder. S. Robert. 1,506,503; Aug. 26.
Match safe. J. E. Neahr. 1,506,319; Aug. 26.

Meat-slicing machines, Attachment for. J. Jarosz. 1,506,529; Aug. 26.
Mechanical movement. F. L. Freer. 1,506,626; Aug. 26.
Medical appliance. J. G. Homan. 1,506,584; Aug. 26.
Medical case, Pocket. A. Kahn and C. E. Dressler. 1,506,429; Aug. 26.
Metal building construction. T. F. Doherty. 1,506,616; Aug. 26.
Metal parts, Uniting two. J. Bott. 1,506,356; Aug. 26.
Metal-punching press, M. S. Neal. 1,506,075; Aug. 26.
Metal, Ribbed expanded. D. K. Forsyth. 1,506,296; Aug. 26.
Metal strips, Device for bending. W. M. Stidworthy. 1,506,096; Aug. 26.
Metal structures, Connection for. F. G. O'Hara. 1,506,442; Aug. 26.
Metal wheel. C. E. Wade. 1,506,098; Aug. 26.
Meter: *See*—
Fluid meter. Resistance meter.
Military reconnoitering apparatus. J. B. Strauss. 1,506,277; Aug. 26.
Milk from coconuts, Apparatus for extracting. E. Derembery. 1,506,571; Aug. 26.
Milking-machine pulsator. E. C. Oakes. 1,506,321; Aug. 26.
Milled products, Classifier for. L. Lindsay. 1,506,494; Aug. 26.
Mine, Submarine. G. E. Elia. 1,505,997; Aug. 26.
Miners' caps, Attachment for. F. Bayer. 1,506,608; Aug. 26.
Mining machine. H. P. Morgan. 1,506,195; Aug. 26.
Mixer: *See*—
Cube mixer. Pop-corn-candy mixer.
Mixer. F. X. Lauterbur. 1,506,128; Aug. 26.
Mixing device. J. E. Nelson. 1,506,601; Aug. 26.
Mold: *See*—
Cement-block mold.
Mold surfaces, Method of and apparatus for preparing. M. F. Hill. 1,506,342; Aug. 26.
Molds, Coating metal. D. H. Meloche. 1,506,130; Aug. 26.
Motor: *See*—
Current and tidal-current motor. Wind motor.
Motor-control system. H. W. Rogers. 1,506,446; Aug. 26.
Motor cycles, Controlling device for. J. A. Smith. 1,506,388; Aug. 26.
Motors, Controller for direct-current. W. H. Leslie. 1,506,070; Aug. 26.
Motors, Slip regulator for electric. A. E. Carver. 1,506,406; Aug. 26.
Mower, Lawn. A. J. Coldwell. 1,506,163; Aug. 26.
Music-leaf turner. R. Briasco. 1,506,360; Aug. 26.
Music-roll-box clip. T. M. Fletcher. 1,506,080; Aug. 26.
Musical instruments, Tuning peg for. C. Kremp. 1,506,373; Aug. 26.
Neckwear, Man's. J. A. Hewes. 1,506,178; Aug. 26.
Needle. C. Slater. 1,506,262; Aug. 26.
Nozzles, Producing spray. J. Javorsky. 1,506,721; Aug. 26.
Nozzles, Producing spray. W. E. Yunker. 1,506,722; Aug. 26.
Nut, Anchor-bolt. W. A. Hubener. 1,506,123; Aug. 26.
Nut, Flexible. S. W. Warman. 1,506,697; Aug. 26.
Nuts, Preserving compound for pistachio. S. F. Zaloom. Re15,902; Aug. 26.
Oil from oil-containing depolarizers, Liberation of. G. W. Heise. 1,506,425; Aug. 26.
Oil gauge. J. W. Owens. 1,506,324; Aug. 26.
Oil, Making flotation. F. H. Rhodes. 1,506,385; Aug. 26.
Oil, Refining. D. Pyzel. 1,506,444; Aug. 26.
Oil tank. J. A. Wolfe. 1,506,708; Aug. 26.
Oils, Treating petroleum. R. N. Donaldson and R. McCollum. 1,506,115; Aug. 26.
Ores, Treatment of oxidized. W. G. Perkins. 1,506,663; Aug. 26.
Overflow alarm. W. Winkler and A. H. Miller. 1,506,101; Aug. 26.
Packaging machines, Pasting device for. E. G. Kerlin. 1,506,645; Aug. 26.
Packing ring. F. J. Flaspoehler, W. A. Stieglitz, and F. A. Flaspoehler. 1,506,420; Aug. 26.
Pad: *See*—
Horse-collar pad.
Pallet machine. R. P. M. Davis and I. F. Hepler. 1,506,222; Aug. 26.
Pan: *See*—
Drain pan.
Paper and the product thereof, Making rubberized parchment. T. C. Marshall and J. L. McClellan. 1,506,317; Aug. 26.
Paper box. J. W. Webb. 1,506,208; Aug. 26.
Paper machines and the like, Segregated drive for. H. W. Rogers. 1,506,445; Aug. 26.
Paper machines and the like, Segregated drive for. C. W. Shaifer. 1,506,453; Aug. 26.
Paper, Ruffled crêpe. L. C. Leach. 1,506,592; Aug. 26.
Parts, Uniting two. J. Bott and C. F. Mitchel. 1,506,357; Aug. 26.
Peat machine. C. A. Willmarth. 1,506,036; Aug. 26.
Pencils, fountain pens, and the like, Fastening device to be used in connection with mechanical. J. C. Wahl. 1,506,207; Aug. 26.
Perforating machine. E. A. Spaulding. 1,506,094; Aug. 26.
Perforation-reading instrumentalities. J. R. Peirce. 1,506,383; Aug. 26.
Phonograph. G. B. Burch. 1,506,160; Aug. 26.
Phonograph mechanism. W. A. Fricke. 1,505,952; Aug. 26.
Picture device, Stereoscopic motion-. L. Hammond. 1,506,524; Aug. 26.
Picture framing. A. W. Beshgetoor. 1,506,215; Aug. 26.
Picture production, Screen for moving-. E. P. Stewart. 1,506,729; Aug. 26.
Pictures on glass surfaces, Production of colored. A. E., C. E., and A. M. Shipton. 1,506,677; Aug. 26.
Pipe coupling. A. Cattoni. 1,506,564; Aug. 26.
Piston. A. Pondelick. 1,506,252–3; Aug. 26.
Planters, Potato-planter attachment for corn. N. Faber. 1,506,294; Aug. 26.
Plaque. E. Klein. Des. 65,479; Aug. 26.
Plastic material and the like, Machine for molding. G. W. Beadle. 1,506,149; Aug. 26.
Plate or similar article. G. B. Bedlee. Des. 65,462; Aug. 26.
Plow. C. A. Hartshorn. 1,506,634; Aug. 26.
Plug and lamp socket, Safety. L. Kellner. 1,506,184; Aug. 26.
Plug, Test. E. G. Evensta and H. J. Anderson. 1,506,418; Aug. 26.
Pneumatic drill. M. J. Burkel. 1,506,405; Aug. 26.
Pneumatic tool. W. A. Smith and C. H. Dockham. 1,506,141; Aug. 26.
Pop-corn-candy mixer. A. Bishop. 1,506,155; Aug. 26.
Pot: *See*—
Fire pot.
Potatoes, Producing mealy-cooked. C. B. Trescott. 1,506,033; Aug. 26.
Poultry and animals, Oiler for. J. W. Cardwell. 1,506,290; Aug. 26.
Poultry coop or crate. G. E. Dean. 1,506,570; Aug. 26.
Poultry-feeding device. J. B. Olson. Des. 65,489–90; Aug. 26.
Power, Apparatus to mechanically harness, store, and transmit. J. Tydings. 1,506,394; Aug. 26.
Powder container. J. J. Larmour. Des. 65,480; Aug. 26.
Power-transmission coupling. J. Bibby. Re15,903; Aug. 26.
Power-transmission element. A. Hough, W. C. Leonhard, J. R. Dufford, and J. L. Allman. 1,506,239; Aug. 26.
Press: *See*—
Garment press. Seal press.
Metal-punching press. Swaging press.
Press, G. E. Whitney. 1,506,700; Aug. 26.
Press feeder. J. T. Beaty. 1,506,150; Aug. 26.
Presses, Pressure compensator for. P. E. Geldhof. 1,506,628; Aug. 26.
Pressing and steaming caps, Device for. J. Dashew. 1,506,414; Aug. 26.
Printing, Disk. F. J. Bulask. 1,506,361; Aug. 26.
Printing drum. E. R. Holmes, W. Y. Robb, and C. R. Howard. 1,506,343; Aug. 26.
Printing mechanism, Ticket-. F. L. Fuller. 1,506,055; Aug. 26.
Printing stamps, Type member for. W. J. Pannier, jr. 1,506,661; Aug. 26.
Pulling machine. F. H. Hall. 1,506,579; Aug. 26.
Pulpboard, Joining. D. M. Sutherland, jr. 1,506,509; Aug. 26.
Pulpboards, Apparatus for the manufacture of. J. Cormie. 1,506,515; Aug. 26.
Pump. G. G. Kunzmann. 1,506,312; Aug. 26.
Pump. E. A. Swanson. 1,506,688; Aug. 26.
Pump plunger. F. Wilcom and E. J. Haley. 1,506,702; Aug. 26.
Pump, Portable auxiliary. H. Maker. 1,506,652; Aug. 26.
Pump, Rotary. W. F. Traudt. 1,505,982; Aug. 26.
Pump, Well. A. J. Nicholas. 1,506,197; Aug. 26.
Punch. H. Grade. 1,506,480; Aug. 26.
Punching and shearing machines, Automatic, straightening and stripping device for. R. B. Hancock. 1,506,424; Aug. 26.
Puzzle device. S. Lloyd. 1,506,015; Aug. 26.
Rack: *See*—
Display rack. Mah juck rack.
Rack. W. G. Brown. 1,506,335; Aug. 26.
Radio and phonograph cabinet, Combined. W. Lytton. Des. 65,482; Aug. 26.
Radio receiving system. W. H. Bullock. 1,506,016; Aug. 26.
Railway-crossing signal. E. T. Parker. 1,506,326; Aug. 26.
Railway frog. R. G. Crawford. 1,506,412; Aug. 26.
Railways, Highway-crossing signal for. C. R. Graves. 1,506,630; Aug. 26.
Railway-track structure. H. C. Stiff. 1,505,979; Aug. 26.
Rat poison, Manufacture of. L. A. Eberhardt. 1,506,575; Aug. 26.
Baby's rattle. I. E. Cohn. 1,506,567; Aug. 26.
Razor-blade holder. C. E. Rang. 1,506,549; Aug. 26.
Razor, Safety. C. Klecka. 1,506,533; Aug. 26.
Razors, Handle for safety. G. D. Moulton. Des. 65,486; Aug. 26.
Reamer, Pipe. D. M. J. Wall. 1,506,465; Aug. 26.
Receptacle. L. Nata. 1,506,131; Aug. 26.
Reciprocating engine. C. S. Clark. 1,506,219; Aug. 26.
Record sheet and apparatus controlled thereby. J. R. Peirce. 1,506,382; Aug. 26.
Record sheets, Method of and apparatus for perforating. J. R. Peirce. 1,506,381; Aug. 26.

Reel: *See*—
Clothesline reel. Hose reel.
Fishing reel.
Reflector. B. F. Gift. 1,506,339; Aug. 26.
Refrigeration apparatus. A. T. Kasley. 1,506,331; Aug. 26.
Refrigerator. A. T. Kasley. 1,506,530; Aug. 26.
Refrigerator. C. P. Whittier. 1,506,701; Aug. 26.
Refrigerator installation, Dining-car. W. Wishart and A. H. Morrell. 1,506,103; Aug. 26.
Register: *See*—
Cash register.
Regulator: *See*—
Stuff-box regulator. Temperature regulator.
Resistance meter. D. J. Angus. 1,506,552; Aug. 26.
Reversing mechanism, Machine-tool-table. C. H. Norton. 1,506,724; Aug. 26.
Rim, Demountable. C. N. Sowden. 1,506,682; Aug. 26.
Ring: *See*—
Packing ring.
Road guide. H. J. Slowey. 1,506,678; Aug. 26.
Road-surface maintainer. E. Bern and W. G. Werts. 1,506,473; Aug. 26.
Roasting furnace, Mechanical. G. Stohn. 1,506,266; Aug. 26.
Rocker, Child's. W. R. Spiegel. Des. 65,504; Aug. 26.
Roll or rotor. E. A. Peterson. 1,506,133; Aug. 26.
Rotating bodies, Revolution counter for. K. J. Svensson and K. A. P. Norling. 1,506,461; Aug. 26.
Rubber footwear, Making. C. H. Morrill. 1,506,074; Aug. 26.
Rubber heel. A. B. Lywitzki. 1,506,315; Aug. 26.
Sadiron-stand holder. F. A. Lotte. 1,506,649; Aug. 26.
Safety switch, Quick-opening. J. Sachs. 1,506,087; Aug. 26.
Satchel alarm. R. P. Gill. 1,505,954; Aug. 26.
Sausage casings, Manufacture of. S. May. 1,506,341; Aug. 26.
Saw mitering arrangement, Composing-room-. E. Cheshire. 1,506,407; Aug. 26.
Saw set. L. S. Osborn. 1,505,968; Aug. 26.
Saxophone or clarinet mouthpieces, Reed for. H. M. Chiron and F. Parme. 1,506,364; Aug. 26.
Scale, Weighing. F. A. A. Essmann. 1,506,477; Aug. 26.
Scale, Weighing. C. H. Hapgood. 1,506,000; Aug. 26.
Scoop or ditch cleaner, Revolving. G. Bedwell and P. Webb. 1,506,555; Aug. 26.
Scooter, Snow or ice. J. Kleft and P. R. Tatroe. 1,506,243; Aug. 26.
Score-card and pencil holder. W. C. Lyman. 1,506,245; Aug. 26.
Screw, Safety. E. Ripamonti and E. Peirano. 1,506,500; Aug. 26.
Seal, Leakproof tube. H. S. Darlington. 1,506,413; Aug. 26.
Seal press. H. H. Wenthe. 1,506,512; Aug. 26.
Sealer. W. W. Hummel. 1,506,640; Aug. 26.
Seat and cover operating mechanism. W. H. Street. 1,506,459; Aug. 26.
Seed separator, Mechanical. A. A. Vardell and J. W. Stribling. 1,506,268; Aug. 26.
Serving table. H. B. Sabiston. 1,506,669; Aug. 26.
Sewing machine. F. A. Sievers. 1,506,261; Aug. 26.
Sewing-machine motors, Support for. M. L. Norris. 1,506,440; Aug. 26.
Sewing machine, Straw-. E. J. Maloney. 1,506,024; Aug. 26.
Shade adjuster, Window-. J. W. Dawson. 1,506,223; Aug. 26.
Shade bracket. E. J. Pourmon. Des. 65,491–2; Aug. 26.
Shade-holding bracket, Detachable. J. Wittemann. 1,506,730; Aug. 26.
Shaft carrier, Main-. R. R. Monday. 1,506,438; Aug. 26.
Sharpener, Disk. C. E. Meyer. 1,506,497; Aug. 26.
Sheet construction and making same. J. Kjekstad. 1,506,532; Aug. 26.
Sheet-metal-working tool. N. E. Grandahl. 1,506,378; Aug. 26.
Sheet-severing device. G. Sehrt. 1,506,138; Aug. 26.
Shield. L. G. Gulde. 1,506,299; Aug. 26.
Ship scaffold. A. Donaggio. 1,506,114; Aug. 26.
Shipping box. E. T. Dyson. 1,506,619; Aug. 26.
Shock absorber. T. MacRae. 1,506,495; Aug. 26.
Shock absorber. J. V. Taylor. 1,506,690; Aug. 26.
Shock absorber. N. M. Williams. 1,506,703; Aug. 26.
Shoe-cleaning device. R. Walser. 1,506,696; Aug. 26.
Shoe, Electric. J. Barbieri. 1,506,282; Aug. 26.
Shoe-polishing device. S. M. Booth. 1,506,404; Aug. 26.
Shoe protector. J. H. Peller. 1,506,662; Aug. 26.
Shoe-tongue holder. W. F. Cook. 1,506,614; Aug. 26.
Shoe-tree. W. R. England. 1,506,519; Aug. 26.
Shot-shell carton. N. L. Richmond. 1,506,084; Aug. 26.
Show case, Automatic display merchandise. E. G. Ruby. 1,506,086; Aug. 26.
Show-case-corner fastener. H. C. Schlueter. 1,506,451; Aug. 26.
Shrapnel-salvaging apparatus and method. G. Allison. 1,506,354; Aug. 26.
Sieve, Plane. C. Jaquet. 1,505,960; Aug. 26.
Signal: *See*—
Automobile signal. Vehicle traffic signal.
Railway-crossing signal.
Signal. J. G. Bovey. 1,506,334; Aug. 26.
Siliceous material, Preparing. F. X. Govers. 1,506,118; Aug. 26.
Skinning animals, Apparatus for. J. U. Thuau. 1,506,510; Aug. 26.
Skinning animals, Blade of disk form for. U. J. Thuau. 1,506,719; Aug. 26.
Skylight structure. G. C. Lawson. 1,506,011; Aug. 26.
Slack adjuster. R. E. Adreon and C. P. Cuss. 1,505,937–8; Aug. 26.
Slack-adjuster arrangement. L. L. Whitney. 1,506,469; Aug. 26.
Silver can. H. E. Smith. 1,506,273; Aug. 26.
Snow-removing machine. M. Souhigian. 1,506,263; Aug. 26.
Socket cover. M. Klein. 1,506,372; Aug. 26.
Sole-stitching machine, Attachment for shoe-. A. Lalli. 1,506,536; Aug. 26.
Solenoid-operating mechanism. R. Classen. 1,506,409; Aug. 26.
Sound amplifier. A. A. Thomas. 1,506,393; Aug. 26.
Sound-reproducing device. L. R. Button. 1,506,562; Aug. 26.
Spark gap. E. S. Humphreys and F. Mattern. 1,506,180; Aug. 26.
Spark plug. A. Bourchelx. 1,506,559; Aug. 26.
Sparrow trap. H. Boyer. 1,506,045; Aug. 26.
Spindle apparatus for cap spinning and like frames. W. Dargue. 1,506,293; Aug. 26.
Spinner, Top. P. Meleg. 1,506,598; Aug. 26.
Spinning or twisting frames, Organized bunch-building mechanism for. J. H. Hook, J. P. Thompson, and M. E. Woodrow. 1,506,639; Aug. 26.
Spotlight deflector. F. P. Rampp. 1,506,727; Aug. 26.
Spring structure. D. T. Owen and W. G. Lehmann. 1,506,186; Aug. 26.
Spring structures, Metal tie for. D. T. Owen and W. G. Lehmann. 1,506,187; Aug. 26.
Stabilizer. J. C. Lincoln. 1,506,374; Aug. 26.
Stake holder. T. F. Cullinan. 1,506,476; Aug. 26.
Stamp-applying device. N. P. Rehnqvist. 1,506,550; Aug. 26.
Stand: *See*—
Dental equipment stand. Washtub stand.
Staple making and driving tool. P. Rissman. 1,506,085; Aug. 26.
Stapling machine. A. H. Maynard. 1,506,073; Aug. 26.
Steam milling of vegetable substances, Apparatus for the. C. R. Mabee. 1,506,023; Aug. 26.
Steam trap. L. G. Chase. 1,506,291; Aug. 26.
Steering-rod attachment. O. E. Harley. 1,506,176; Aug. 26.
Stock-fitting machine. A. E. Johnson. 1,506,066; Aug. 26.
Stock-fitting machine. A. E. Johnson. 1,506,182; Aug. 26.
Stock rest. J. P. Brophy. 1,506,108; Aug. 26.
Stooker, Automatic. S. D. Hilts. 1,506,237; Aug. 26.
Storage battery. H. J. Baker. 1,506,403; Aug. 26.
Storage-battery container or similar article. C. M. Angell. Des. 65,461; Aug. 26.
Storage-battery vent. R. C. Benner. 1,506,216; Aug. 26.
Stove bracket or similar article. E. Schmaic. Des. 65,500; Aug. 26.
Stove, Heating. J. T. Templeton. Des. 65,506; Aug. 26.
Strapping apparatus. C. M. MacChesney. 1,506,129; Aug. 26.
Street or station indicating apparatus. J. W. Carnochan. 1,506,109; Aug. 26.
Stuff-box regulator. C. C. Yates. 1,506,280; Aug. 26.
Suit box, Collapsible one-piece reenforced. G. E. Scruby. 1,506,137; Aug. 26.
Sulphur dioxide, Making. C. S. Hollander. 1,506,301; Aug. 26.
Surgical instrument. J. L. Stevens. 1,506,032; Aug. 26.
Swaging press. J. Hubsch. 1,506,124; Aug. 26.
Switch: *See*—
Electric switch. Safety switch.
Electrical switch. Vacuum-cleaner handle switch.
Line switch.
Switch for connecter plugs, Attachable electric. T. C. Smith. 1,506,681; Aug. 26.
Syringe. C. A. Fetters. 1,506,170; Aug. 26.
Table: *See*—
Cutting table. Turn-over table.
Serving table.
Table-leg shoe. J. W. Bishop. 1,506,043; Aug. 26.
Talking machines, Horn for. R. R. Seabrook. 1,505,972; Aug. 26.
Talking machines, Illuminating device for. W. S. Harp. 1,506,300; Aug. 26.
Tank: *See*—
Oil tank.
Tanks, Manhole cover for oil. P. O. Booth. 1,506,610; Aug. 26.
Tapeline holder. E. Forder. 1,506,295; Aug. 26.
Tapping attachment. G. W. Emrick. 1,506,367; Aug. 26.
Target butt plate, Detachable. A. H. Hofer. 1,505,956; Aug. 26.
Teacup. S. McNamara and W. Nicholson. Des. 65,484; Aug. 26.
Teeth of helically-toothed elements, Testing device for measuring the. H. Mensforth and F. A. Cowell. 1,506,543; Aug. 26.

Telephone mouthpieces, Disinfecting device in combination with. W. H. Bennett. 1,506,284; Aug. 26.
Telephone muffler. L. S. Scher. Des. 65,498; Aug. 26.
Telephone system. H. M. Friendly. 1,506,054; Aug. 26.
Telephone system. C. L. Keddy. 1,506,125; Aug. 26.
Telephone system, Automatic. C. E. Lomax. 1,505,963; Aug. 26.
Telephone system, Relay automatic. R. G. Richardson. 1,506,083; Aug. 26.
Telescope. F. J. Nowak. 1,506,658; Aug. 26.
Temperature regulator. A. N. Otis. 1,506,443; Aug. 26.
Terminal-post seal. A. Walter. 1,506,466; Aug. 26.
Thrashing machine. F. W. T. Zoepke. 1,506,212; Aug. 26.
Thread shaper, Adjustable. F. O'Brien. 1,506,027; Aug. 26.
Threads of artificial filaments, Manufacture or treatment of. H. Dreyfus. 1,506,052; Aug. 26.
Ticket and change-returning machine, Automatic. L. B. Nordlund. 1,506,250; Aug. 26.
Ticket holder and cutter. C. T. Raschick. 1,506,135; Aug. 26.
Tickets, Machine for printing. J. A. Keller. 1,506,242; Aug. 26.
Tin, Metallurgy of. C. G. Fink. 1,506,053; Aug. 26.
Tinning machine. H. W. Bundy. 1,505,994; Aug. 26.
Tire core. G. W. Cowgill. 1,506,411; Aug. 26.
Tire-making machine. W. C. Stevens. 1,506,456; Aug. 26.
Tire mounting for wheels. R. A. Klatt. 1,506,309; Aug. 26.
Tire valve. E. V. Myers. 1,506,714; Aug. 26.
Tire-valve repair tool. M. C. Schweinert. 1,506,029; Aug. 26.
Tire-valve stems, Manufacturing. W. C. Stevens. 1,506,457; Aug. 26.
Tires, Indicator for centering. H. W. Brewer. 1,506,158; Aug. 26.
Tires, Inner tube for pneumatic. W. A. Caldwell. 1,506,161; Aug. 26.
Tires of the clincher type, Device for removing pneumatic. A. J. Michelin. 1,506,654; Aug. 26.
Toilet bowl and tank. A. T. D'Amato. 1,506,220; Aug. 26.
Toilet purposes, Liquid-supply device for. C. Dionne. 1,506,572; Aug. 26.
Tongs. A. B. Seppmann. 1,506,675; Aug. 26.
Tool. B. H. Durham. 1,506,618; Aug. 26.
Tool, Combination. A. Wise. 1,506,102; Aug. 26.
Tool handle. J. Peyer. 1,506,547; Aug. 26.
Tool holder. I. Benkö. 1,506,331; Aug. 26.
Tool holder. A. Stanworth. 1,505,977; Aug. 26.
Toothbrush. J. H. Young. 1,506,401; Aug. 26.
Toothbrushes, Sanitary inclosing means for. H. P. Schmidt. 1,506,257; Aug. 26.
Tooth-cleansing device. S. M. Donals. 1,506,417; Aug. 26.
Tooth mounting, Artificial-. H. H. Kraus. 1,506,007; Aug. 26.
Towel holders, Grommet. L. F. Turnbull. 1,506,463; Aug. 26.
Toy. B. P. Johnson. 1,506,346; Aug. 26.
Toy. J. A. Kuenz. 1,506,126; Aug. 26.
Toy amusement apparatus. A. Hetzner. Re15,900; Aug. 26.
Toy balloon. T. J. Worstell. Des. 65,512; Aug. 26.
Toy, Manikin. I. Hornastaj. 1,506,526; Aug. 26.
Toy rattle. L. Morse. 65,485; Aug. 26.
Toy, Walking animal. R. Sato and U. Ito. 1,506,670; Aug. 26.
Traction apparatus, Flexible. A. Kégresse. 1,506,431; Aug. 26.
Tractor control device. L. W. Witry and R. C. Livesay. 1,506,707; Aug. 26.
Tractor, Four-wheel drive and steering. C. Meilike. 1,506,653; Aug. 26.
Tractors, Steering attachment for. F. L. Willrodt. 1,506,706; Aug. 26.
Traffic-signal device. A. Guttentag. 1,506,370; Aug. 26.
Transmission appliance. H. A. Wynne. 1,506,400; Aug. 26.
Trap: *See*—
Animal trap. Steam trap.
Sparrow trap.
Tree: *See*—
Shoe-tree.
Trolley retriever. A. J. Houle. 1,506,527; Aug. 26.
Trough, Stock-watering. W. Combellick. 1,506,336; Aug. 26.
Trousers stretcher and creaser. C. H. Kirby. 1,506,244; Aug. 26.
Truck hanger. D. A. Pickens. 1,506,717; Aug. 26.
Truck, Industrial. E. H. Remde. 1,506,136; Aug. 26.
Tubs, Spigot feature and soap dish for bath. R. W. Thomas. 1,506,691; Aug. 26.
Turbine, Self-acting speed-regulating device for. M. Crozet-Fourneyron. 1,506,111; Aug. 26.
Turn-over table. R. N. Bryan and G. M. Meigs. 1,506,047; Aug. 26.
Typewriter attachment. R. G. Starke. 1,506,031; Aug. 26.
Typewriter-keyboard arrangement. R. E. Hoke. 1,506,426; Aug. 26.
Typewriting and the like, Duplicating. J. J. Gahn, C. B. Wilkes, jr., and J. P. Davis. 1,506,478; Aug. 26.
Typewriting machine. H. E. Bridgwater. 1,506,287; Aug. 26.
Vacuum cleaner. F. W. Finkbousen. 1,506,231; Aug. 26.
Vacuum-cleaner handle switch. I. R. Seltzer. 1,506,452; Aug. 26.
Valve. S. M. Chase. 1,506,711; Aug. 26.
Valve. S. E. Huntting. 1,505,958; Aug. 26.
Valve. F. R. McGee. 1,506,021; Aug. 26.
Valve. O. E. Oleson. 1,506,546; Aug. 26.
Valve, Auxiliary air. A. E. Leggett. 1,506,538; Aug. 26.
Valve-controlling mechanism. C. W. Lee. 1,505,962; Aug. 26.
Valve, Flash-igniter. O. J. Leins. 1,506,434; Aug. 26.
Valve, Flush. E. P. Burns and G. Le Witt. Des. 65,464; Aug. 26.
Valve for pipe lines, Rotary. A. Gagg. 1,505,953; Aug. 26.
Valve, Gear-actuated. P. W. Knauf. 1,506,433; Aug. 26.
Valve, Quick-release. L. V. Lewis. 1,506,012; Aug. 12.
Valves, Guide for tank flushing. C. J. Mick. 1,506,544; Aug. 26.
Valves or other moving parts, Casing or bearing for. J. H. Lehman. 1,506,185; Aug. 26.
Vanity box. A. C. Lusher. 1,506,017; Aug. 26.
Vanity case, Twin-compact. S. A. Jaroslawski-Floret. 1,506,589; Aug. 26.
Variable-load brake. C. C. Farmer. 1,505,950; Aug. 26.
Variable-load brake. J. C. McCune. 1,506,020; Aug. 26.
Vault, Waterproof. P. S. Torrence. 1,506,279; Aug. 26.
Vehicle bumper. A. M. Godwin. Des. 65,470; Aug. 26.
Vehicle, Child's. L. Alexander. 1,506,726; Aug. 26.
Vehicle direction indicator. V. Adamson. 1,506,353; Aug. 26.
Vehicle, Dumping. A. B. Cadman. 1,505,995; Aug. 26.
Vehicle indicator. A. E. Schillinger. Des. 65,499; Aug. 26.
Vehicle shade, Sun and glare. G. N. Hein. Re15,904; Aug. 26.
Vehicle radiator, Motor-. J. Riise. Des. 65,494; Aug. 26.
Vehicle top. O. L. Herron. 1,505,955; Aug. 26.
Vehicle traffic signal. A. N., R. J., and N. J. Maller. 1,506,597; Aug. 26.
Vehicle wheel. H. Nichols. 1,506,602; Aug. 26.
Vehicles, Apparatus for preventing theft or unauthorized use of motor. D. Doyle. 1,506,165; Aug. 26.
Vehicles, Automatic brake control for power-propelled. E. G. Staude. Re15,906; Aug. 26.
Vehicles, Leveler attachment to. D. E. Anderson. 1,506,551; Aug. 26.
Vehicles, Shock-absorber mounting for. R. H. Hassler. 1,506,635; Aug. 26.
Vehicles, Springing of. B. H. Baker. 1,506,039; Aug. 26.
Velocipede. W. E. Clatworthy. 1,506,565; Aug. 26.
Velocipede, Means for supporting the rear road wheel of a. C. G. Pullin. 1,506,270; Aug. 26.
Violet-ray generator. B. F. Jancke. 1,506,344; Aug. 26.
Washboard. C. A. Fetters. 1,506,169; Aug. 26.
Washing machines, Leg-elevator-supporting means for. N. N. Nunn. 1,506,441; Aug. 26.
Washtub stand. W. H. Voss. 1,506,206; Aug. 26.
Water heater. J. Shahan. 1,506,676; Aug. 26.
Water heaters, Automatic fuel control for. H. C. Ainsworth and P. H. Murray. 1,506,402; Aug. 26.
Waterproofing composition for walls. O. K. Miller. 1,506,193; Aug. 26.
Weather strip. L. B. Knight. 1,506,311; Aug. 26.
Weather vane. F. X. Herfort. Des. 65,476; Aug. 26.
Welder, Combined spot or butt and arc. C. B. Waters. 1,506,698; Aug. 26.
Welding machines, Automatic adjuster for tube-. J. L. Anderson. 1,506,038; Aug. 26.
Well-casing clamp, Deep-. E. P. Halley. 1,506,581; Aug. 26.
Well-rig traveling block. R. D. Bane and E. W. Goeser. 1,506,040; Aug. 26.
Wheat, Treating. J. H. Dunn. 1,506,574; Aug. 26.
Wheel: *See*—
Automobile wheel. Metal wheel.
Gear wheel. Vehicle wheel.
Wheelbarrow arm. I. R. Smith. 1,506,030; Aug. 26.
Wind motor. J. Tydings. 1,506,396; Aug. 26.
Winding device. T. Midgley. 1,506,437; Aug. 26.
Window guard. H. C. Gray. 1,506,482; Aug. 26.
Windshield cleaner. A. S. Noonan. 1,506,604; Aug. 26.
Windshield visor. R. J. Purdy and A. T. Potter. 1,506,134; Aug. 26.
Windshield wiper. J. R. Olshei. 1,506,132; Aug. 26.
Wire straightening and cutting-off machine, Automatic. E. H. Wiseman. 1,505,991; Aug. 26.
Wireless telegraphy, Quick-acting amplifying break key for. H. E. Hallborg and H. R. Miller. 1,506,580; Aug. 26.
Wireless telegraphy, Sending arrangement for. O. von Bronk. 1,506,358; Aug. 26.
Wiring, Support for resistance. F. W. Moffat. 1,506,194; Aug. 26.
Work support, Adjustable. D. C. Klausmeyer. 1,506,725. Aug. 26.
Wrench. A. O. Carman. 1,506,362; Aug. 26.
Wrench. J. J. Johnson. 1,506,643; Aug. 26.
Yarns, Winding device for. X. Brügger. 1,506,150, Aug. 26.
Zinc powder into zinc fluid, Converting. E. S. Bergland 1,506,609; Aug. 26.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 26, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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213: 1,505,986
247: 1,506,059
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20— 1.11: 1,506,566
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[Decisions of the United States District Courts are indicated by the letter ([b]); of the Court of Appeals of the District of Columbia by one star (*); of the United States Circuit Court of Appeals by the letter ([d]); and of the Supreme Court of the United States by two stars (**).]

ERRATA.

1,508,149, page 420, in heading, assignment, assignee, State of incorporation, for "Maine" read *Delaware*.

194,942 (Trade-Marks Published), page 910, particular description of goods, for "Leather Goods" read *Leather Gloves*.

Classified List of Trade-Mark Titles, page xi, class 39, line 27, 194,942 for "Leather goods" read *Leather gloves*.

197,621 (Trade-Marks Published), page 491, particular description of goods, first word, line 3, for the word "Quantity" read *Quality*.

Patents Nos. 1,506,731 to 1,507,558.

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Trade-Marks	350—No.	188,574 to No.	188,923, inclusive.
Labels	32—No.	27,775 to No.	27,806, inclusive.
Prints	3—No.	7,576 to No.	7,578, inclusive.
Reissues	3—No.	15,907 to No.	15,909, inclusive.
Designs	39—No.	65,513 to No.	65,551, inclusive.
Patents	828—No.	1,506,731 to No.	1,507,558, inclusive.
Total	1255		

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Aug. 22, 1924.*

Camthol Company, Portland, Oreg., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the Camthol Company (a Corporation of Delaware), 420 Hall Street E., Savannah, Ga., to effect the cancellation of the trade-mark registration of Waugh Medicine Co., of No. 300 A Street, Grangeville, Idaho, No. 97,515, dated June 9, 1914. The records of this Office show that the Camthol Company, Portland, Oreg., is the assignee of said Waugh Medicine Co. The notice of such proceeding sent by registered mail to the respondent, the Camthol Company, Portland, Oreg., having been returned by the post office as undeliverable, notice is hereby given that unless said Camthol Company, Portland, Oreg., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 19, 1924.*

Alexander Rechnitzer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of William S. Gubelmann, 773 Richmond Avenue, Buffalo, N. Y., and patent granted March 14, 1922, No. 1,409,575, to Alexander Rechnitzer, 140 St. Botolph Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Rechnitzer at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rechnitzer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 25, 1924.*

The Royal Manufacturing Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between Remy E. Stoffel, 2868 Lemp Avenue, St. Louis, Mo., for registration of a trade-mark and trade-mark registered September 4, 1894, No. 25,211, to The Royal Manufacturing Co., 527 North Cherry Street, Lancaster, Pa. The Office having been unable to secure service upon The Royal Manufacturing Co., notice is hereby given that unless The Royal Manufacturing Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimer.

1,486,547.—*Hugh W. Sanford*, Knoxville, Tenn. RAILWAY CARS. Patent dated March 11, 1924. Disclaimer filed July 17, 1924, by the patentee.

Hereby adds to said specification the following disclaiming paragraph:

I am aware that such limited structural channel end sills as are shown by the following recited Letters Patent of the United States are old: No. 731,733, granted to John McE. Ames, June 23, 1903; No. 752,685, granted to George I. King, Feb. 28, 1904; No. 1,268,344, granted to Charles A. Griffith, June 4, 1918; and No. 1,426,729, granted to Charles A. Griffith, Aug. 22, 1922. Hence it is to be understood that the following claims are not to be interpreted so broadly as to include such structural channel end sills; that in the claims such words as "plate metal channel member" mean an end sill member formed by bending or folding plate metal to have ample flanges adapted to the functions described by this specification and absent from the end sills of said Letters Patent.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,396,153, F. H. Wittern, Weather-stripping for vehicles, decided July 9, 1924, claims 1, 2, 3, and 4.

Pat. 1,462,581, A. R. Schmidt, Valve-stem carbon remover, decided July 28, 1924, claims 1, 2, and 4.

Condition of Applications Under Examination at Close of Business August 22, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,328; Trade-Mark Division, 1,853. Oldest new case, Dec. 19, 1923; oldest amended, Dec. 11, 1923. The dates given are 1924 except where † indicates 1923.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Jan. 26	Feb. 6	978
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 22	Jan. 24	752
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 24	Mar. 14	935
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 1	Mar. 26	952
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 4	Jan. 5	1,123
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 22†	Dec. 11†	1,181
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Feb. 27	Feb. 20	1,677
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 11	Apr. 22	1,470
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 12	May 7	648
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 1	Mar. 7	1,390
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 24	Apr. 3	999
380	12. PIERCE, P. P., Machine Elements	Mar. 25	Mar. 3	1,070
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 1	Feb. 8	1,097
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Jan. 16	July 2	707
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 1	Feb. 7	1,427
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 22	Jan. 28	1,035
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 11	Apr. 9	882
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 29†	Dec. 24†	1,302
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 21	May 31	876
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 3	Mar. 3	1,196
212	21. THURBER, W. L., Winding and Reeling; Textiles, Cloth Finishing	Feb. 7	May 31	674
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Jan. 24	Feb. 11	1,253
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 2	Feb. 27	502
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 9	Feb. 12	935
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	May 23	May 28	594
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 2	Jan. 11	879
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 8	Mar. 22	1,089
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 4	Mar. 26	1,102
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 22	Feb. 29	1,101
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Mar. 17	Mar. 3	1,171
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 8	Feb. 11	1,006
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 13	Feb. 21	891
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 13	Mar. 22	1,237
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Mar. 12	Mar. 1	894
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 20	June 3	680
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 1	Feb. 14	1,493
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 25	Feb. 23	1,497
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 4	Mar. 25	1,130
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 3	Mar. 13	671
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 5	May 1	1,935
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 25	Mar. 14	741
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Dec. 29†	Jan. 8	1,626
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 25	Feb. 1	1,310
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 23	Mar. 22	1,109
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Jan. 22	Jan. 14	1,630
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Dec. 19†	Jan. 3	1,171
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Apr. 1	Apr. 16	773
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 10	Jan. 10	2,014
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 29	Jan. 14	942
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Dec. 27†	Dec. 29†	1,666
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 9	Jan. 14	2,118
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 15	Mar. 31	879
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 1	Feb. 7	1,435
102	DESIGNS: C. O. MARKHAM (Acting)	July 17	July 23	483
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	Trade-Marks, July 22	Aug. 1	1,757
		Labels and Prints, Aug. 12	Aug. 15	96

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

TOLEDO SCALE COMPANY *v.* THE COMPUTING SCALE COMPANY. FIDELITY & DEPOSIT COMPANY OF MARYLAND AND UNITED STATES FIDELITY AND GUARANTY COMPANY *v.* THE COMPUTING SCALE COMPANY AND TOLEDO SCALE COMPANY.

Decided April 9, 1923.

1. JURISDICTION OF COURT—CERTIORARI—DELAY IN APPLYING THEREFOR.

Under the act of September 6, 1916, the Supreme Court of the United States has no jurisdiction to review on certiorari the merits of a final decree entered by the circuit court of appeals more than three months before the certiorari was applied for.

2. APPLICATIONS FOR REOPENING CASE—NEWLY-DISCOVERED EVIDENCE—DISCRETION OF THE COURT.

Applications made to the circuit court of appeals after it had affirmed a decree upholding a patent and ordering an accounting, and renewed upon the appeal from the accounting, whereby the defendant sought to reopen the case upon the ground of newly-discovered evidence of prior discovery, manufacture, sale, and use of the invention, were addressed to the sound discretion of the court and properly overruled where the failure to discover the evidence in time for the original hearing in the district court was due to the applicant's lack of diligence.

3. SETTING ASIDE DECREE—FRAUD.

To justify setting aside a decree for fraud, extrinsic or intrinsic, it must appear that the fraud charged prevented the party complaining from making a full and fair defense.

4. SUIT IN ANOTHER COURT TO ENJOIN EXECUTION OF DECREE—FRAUD—SILENCE CONCERNING EVIDENCE WITHIN THE KNOWLEDGE OF PARTY SUING.

A party suing on a patent is under no duty to furnish his opponent evidence of an anticipation of the invention; nor does his silence concerning such evidence, unaccompanied by acts preventing the opponent from finding and availing himself of it, constitute such a fraud as will sustain a suit to enjoin execution of a decree enforcing the patent.

5. SAME—SAME—MATTER ALREADY CONSIDERED BY COURT ISSUING DECREE.

A decree of a district court enjoining obedience to a decree of a circuit court of appeals of another circuit upon an issue and evidence of fraud, which, except for immaterial adjuncts of malice and conspiracy, had been presented to and rejected by the latter court as a basis for reopening the decree, *Held* an unwarranted review of that court's discretion and not a decree founded on extrinsic fraud.

6. DILIGENCE IN DISCOVERING AND PRESENTING EVIDENCE REQUIRED.

The principle requiring due diligence in discovering and presenting evidence to avoid protraction of litigation can not be set aside to avoid hardship in a particular case.

7. INJUNCTION HINDERING SURETIES FROM COMPLIANCE WITH DECREE.

The fact that the sureties on a supersedeas bond in a circuit court of appeals and the banks with which their principal made deposits for their indemnification have been erroneously enjoined from complying with that court's decree by a district court of another circuit does not relieve them from obedience to a proper and final order of the former court directing summary judgment against them. Their remedy is by appeal from the decree of the district court.

8. WRITS NOT SPECIFICALLY PROVIDED FOR BY STATUTE.

Under Judicial Code, section 262, the circuit court of appeals has power to issue all writs not specifically provided for by statute which may be necessary to the exercise of its appellate jurisdiction.

9. EXECUTION OF DECREE—INJUNCTION TO PREVENT SUIT IN ANOTHER JURISDICTION.

To protect the execution of its decree, the circuit court of appeals may direct the district court to enjoin a party from prosecuting a suit in another jurisdiction.

10. CONTEMPT OF COURT—SUIT IN ANOTHER JURISDICTION TO ENJOIN SURETIES.

A defeated party who seeks by a suit in another jurisdiction to enjoin the sureties on his supersedeas bond and his opponent from executing a decree of the circuit court of appeals is guilty of contempt of that court, which it may punish by directing the district court to enter a summary decree for expenses occasioned by such injunction suit and a reasonable attorney's fee.

ON writs of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

STATEMENT OF THE CASE.

This case comes here by writs of certiorari granted to the Circuit Court of Appeals of the Seventh Circuit to review the proceedings of that court in enforcement of a final decree in a suit to enjoin infringement of a patent and for an accounting of profits. The patent had expired pending the litigation, but the accounting resulted in a decree of the District Court for Northern Illinois for profits of more than $400,000 in favor of the Computing Scale Company against the Toledo Scale Company. The circuit court of appeals, which had sustained the patent (208 Fed. 410) affirmed the decree for profits (279 Fed. 648), but stayed the mandate to permit an application to this Court for a writ of certiorari, which was denied January 9, 1922 (257 U. S. 657). On the same day, the Toledo Company, a corporation of New Jersey, filed a bill in the District Court for the Northern District of Ohio against the Computing Company, a corporation of Ohio, to enjoin it from enforcing the decree of the Circuit Court of Appeals of the Seventh Circuit on the ground that it was obtained by fraud. The Computing Scale Company filed an answer raising first a special plea to the jurisdiction and then responding on the merits denying fraud and pleading res judicata. The bill also made parties defendant the sureties on the supersedeas bond in the circuit court of appeals, the Fidelity Deposit Company and the United States Fidelity and Guaranty Company, both corporations of Maryland, as well as three Toledo banks, citizens of Ohio, which held money deposited to the credit of the surety companies by the Toledo Company as indemnity, and asked that they all be enjoined from in any way satisfying or aiding to satisfy the decree. The Computing Company then filed in the circuit court of appeals a petition for a rule against the Toledo Company to show cause why it should not be enjoined from maintaining the bill in Ohio and why a summary decree should not issue against the sureties. Pending a hearing as to this rule, the Ohio court granted a temporary injunction restraining the Computing Scale Company, and the sureties and the banks as prayed by the Toledo Company. The circuit court of appeals thereafter heard the petition for the rule to which the Toledo Company had made answer, in which by way of exhibit to its averments it set up as a defense the

complete record in the injunction suit in Ohio. The circuit court of appeals then made the order which is here for review. It reads as follows:

We now receive from the Computing Company the certified copy of the Supreme Court's order denying Toledo Company's petition for writ of certiorari, and we direct the Clerk to file it in this cause.

Unless the mandate which we now formulate be stayed on Toledo Company's motion filed within five days, the Clerk is directed to issue and transmit to the court below the following mandate:

(1) Enter of record our affirmance of the final decree on accounting.

(2) Enjoin Toledo Company from further maintaining its Ohio bill and from filing elsewhere any similar bill.

(3) Enter summary decree against the sureties on the supersedeas bonds for the amount due upon the accounting decree, including all costs in both courts, but not exceeding the penalties of the bonds.

(4) Ascertain Computing Company's expenses in this matter including reasonable attorney's fees, paid or incurred since the Supreme Court's denial of the petition for writ of certiorari on January 9th, 1922, and enter summary decree therefor against Toledo Company but not against the sureties in the supersedeas bonds. (281 Fed. Rep. 488.)

The patent, the subject of controversy in this case was for an automatic computing scale issued to one Smith in September, 1895 (545,616), and reissued April 28, 1896 (11,536). It related to improvements in weighing scales wherein the weight and selling price could be seen by the weigher at a glance without mental calculation. It consisted of a pan weighing device attached to an indicator drum inside of a casing with a slot through which the figures on the drum as it revolved in response to the effect of the weight would so coordinate with figures on the casing as to show the weight and correct price on the same line. The patentee in his specifications admitted that the general combination was an old one but said that the object of his improvement was to provide scales, extraordinarily sensitive to weights of small amount, and accurately registering them. He explained that an essential feature of the indicator drum in his improvement was that it should be made of very light material because scales of this kind theretofore, would not weigh alike successively, due to the inertia of the revolving drum, the force required to operate it, and the difficulty of stopping, and so he had constructed his drum of a skeleton frame of aluminum with a periphery of a thin sheet of paper.

The claims in controversy were:

5. An indicator drum for weighing mechanism consisting of a spindle provided with a plurality of skeleton frames of light material and secured to said spindle, and having secured to their periphones a sheet of paper forming a cylinder.

6. An indicator drum for weighing mechanism consisting of a spindle provided with a plurality of skeleton disks or frames of thin aluminum, having a sheet of paper extending around and secured to their periphones to form a cylinder.

The Computing Scale Company and the Toledo Scale Company were competitors in business. The former had acquired the Smith patent by the purchase of the assets of the Boston Computing Scale Company, and before 1906 was manufacturing scales using the Smith cylindrical drum in competition with scales of the Toledo Company having a fan-shaped registering dial. There had been patent suits between them concerning other parts of the weighing mechanism than the indicator. Each had other patents in this field. In 1906, the Toledo Company did not give up its fan-shaped scales, but began the manufacture of scales with an indicator drum of skeleton aluminum frame and paper periphery and so increased its sales of them so that they ultimately constituted the larger part of its business. This led to two suits by the Computing Scale Company in 1907 against the Toledo Company in the District Court for the Northern District of Ohio. Nothing was done with them until the suit at bar was brought in the District Court for Northern Illinois in 1910. Then, as a condition of getting extension of time to take evidence herein, the Computing Scale Company was required by the court to dismiss the Ohio suits. In its answer to the bill in this case, filed in August, 1910, the Toledo Company alleged that the Smith patent and the claims 5 and 6 had been anticipated by a patent granted to one Phinney in 1870 and further averred anticipation—

by reason of prior public use and sale by various persons at various places and among others at Pawtucket by William H. Phinney, then and now, as defendant is informed and believed residing at said Pawtucket.

On the trial, the Toledo Company's expert testified that he had built a Phinney scale following the patent to Phinney, but that he could not get it to stop twice within an ounce of the same weight, and that a scale which would not weigh within a very small fraction of an ounce was not an instrument of precision and not a commercial article at all. It should be said that the specifications of the Phinney patent made no reference to the material of which the cylinder of the scales was to be made or its weight or the importance of those features. The district court held that the fourth and fifth claims of the Smith patent were valid and this was affirmed by the circuit court of appeals, April 15, 1913 (208 Fed. 410, 413), holding that Smith had put in the hands of the world's vendors of commodities the first usable computing scale, that long before the "paper" art, including a patent to Phinney in 1870, had proposed to teach practical scale makers how to build automatic computing scales, but all attempts to make them were failures, that in the 25 years between Phinney and Smith the brightest and most skilful men had sought the necessarily tremendous commercial success of a reliable computing scale but had not found it until Smith had the happy conception that the lightest possible drum would secure the required accuracy of revolution and stopping.

On May 13, 1913, the Toledo Company made a motion in the circuit court of appeals that the court include in its mandate affirming the decree of the district court for an accounting, leave to rehear the cause and to permit the Toledo Company to introduce proof that computing scales had been made and sold and introduced into use by the patentee Phinney of Pawtucket, R. I., which had a cylinder drum of light wood skeleton covered with thin paper and anticipated the drum of Smith. Three Phinney scales and thirteen supporting affidavits were introduced. These included one of the son of Phinney, the patentee, who had been with his father during his manufacture and sale of the scales until his death and who still lived at Pawtucket, of Phinney's widow, and also those of residents of Pawtucket who said they had bought and used the scales. The affidavit also disclosed that in a suit against the Federal Company for infringement of the Smith patent brought by the Computing Scale Company in Philadelphia, which never came to trial, all this evidence had been taken and was on file. The three Phinney scales which were exhibits there had been in the custody of Church and Church who had been counsel for the Computing Scale Company in Philadelphia. It was also shown that the Computing Scale Company had three or four of these scales and drums in their possession at Dayton. It also appeared from young Phinney's affidavit that the Boston Computing Company, which owned the Smith patent and which subsequently was bought out by the complainant Computing Scale Company was trying to buy the scales which Phinney had. The evidence tended to show that only twenty scales had been made by Phinney, and that no scales were made after 1895. The president of the Toledo Company in his affidavit excused failure

earlier to discover this evidence by saying that the company made every effort to learn of prior use. His counsel explained that he had been led away from investigation into manufacture of Phinney scales at Pawtucket which was not visited by agents of the Toledo Company till after June, 1912, by the fact that the model of the Phinney patent at the Patent Office was of only a small one of solid wood and not of light material, and that he only acquired knowledge of Phinney's manufacture and use of scales with indicator drums by accident after June, 1912, from counsel for defendant in a suit brought by the Computing Company against the Standard Company in 1911. There was no direct charge in these 1913 affidavits that the Computing Scale Company was purchasing and gathering in these Phinney scales to conceal them, but there were averments in the affidavits which were only relevant to sustain such a charge and were evidently inserted for that purpose. The 1913 motion for a rehearing was overruled by the circuit court of appeals.

The case went back for an accounting, and in 1917 the Toledo Company took depositions of the witnesses whose affidavits had been filed in 1913 and sought to use the evidence to reduce the damages by showing what kind of a scale might have been constructed by the Toledo Company without infringing the Smith patent, but the evidence was not given weight for that purpose. The expert of the Toledo Company in these depositions said he did not test the Phinney scales of wood and paper cylinders when they were in the custody of the Toledo Company because he did not think they would weigh properly. The district court confirmed the master's report of the accounting and made a decree accordingly for $420,000. This was carried on appeal to the circuit court of appeals, which affirmed it in October, 1921. 279 Fed. 648.

The Toledo Company at the same time again made a motion for leave to open up the case that it might introduce the evidence contained in the affidavits presented in May, 1913, and the depositions taken in 1917, and retry the issue of validity of the patent and show its invalidity by reason of the Phinney prior manufacture, sale and use. In brief of counsel urging the granting of this motion for the Toledo Company, it was said:

To refuse to consider the evidence in the present record respecting the Phinney scale, as affecting the validity of the patent in suit, would be to permit the plaintiff to take advantage of essential facts known to it and unknown to the defendant or the court and its consequent imposition on both.

In the subsequently-filed petition for certiorari to this Court, counsel for the Toledo Company, in discussing this same issue, said:

The affidavits further showed that plaintiff had full knowledge of the Phinney scales for more than ten years, that evidence and numerous samples of them had been introduced in a suit which plaintiff had brought at Philadelphia ten years earlier upon the reissued patent here in suit, that the prosecution of said suit had been abandoned because of such evidence and that plaintiff had suppressed and concealed such fact from the Court and defendant throughout the litigation in the present cause.

The motion to reopen the case was denied by the circuit court of appeals (279 Fed. 674). An application to review this October, 1921, decree by certiorari was made and was denied by this Court January 9, 1922 (257 U. S. 267).

At once, the Toledo Company filed its bill in the United States Court for the Northern District of Ohio, which is summarized by the circuit court of appeals in its opinion (281 Fed. 488, 491). It charged that since 1901, the Computing Company had formed a conspiracy with certain of its officers and agents to monopolize the computing scale business of the country and to put the Toledo Company out of business, that in 1902 it built and sold a dishonest scale that the Toledo Company exposed in circulars which the Computing Company sought, but failed to enjoin, that this increased its malicious hatred toward the Toledo Company, that then the Toledo Company was making a fan scale which on the strength of patents held by it the Computing Company sought unsuccessfully to enjoin, but dismissed the suits without a trial, that in 1901 the Computing Company brought suit in the Eastern Pennsylvania district to enjoin the Federal Company from infringing the Smith patent and introduced three Phinney scales as exhibits in evidence and depositions already referred to, that the suit was dismissed because the Computing Company was advised by counsel that the Phinney defense was dangerous, and that the exhibits were by stipulation retained by counsel for the Federal Company who lent them to counsel for Computing Company in whose custody they were until after the issue of validity had been decided in Chicago in favor of the Computing Company, that a suit brought against one Randall in Pennsylvania in 1901, and against the Standard Company in Wisconsin in 1911, on the Smith patent, by the Computing Company, had been dismissed after production of similar evidence of the Phinney prior use, that after 1906 the Computing Company secretly purchased and took into its possession all the Phinney scales it could get, being all of the 20 which Phinney ever made, except one or two then in the hands of users and except those in the Federal, Randall and Standard suits, that these purchases were made in pursuance of the conspiracy, secretly and fraudulently for the purpose of preventing the Toledo Company and the District Court of Northern Illinois and the Circuit Court of Appeals of the Seventh Circuit from learning of the Phinney commercial practice, that the Toledo Company made diligent effort and investigation to find the Phinney commercial practice and also evidence of the Computing Company's fraudulent suppression of evidence thereof, that while Toledo Company had had knowledge of the Phinney commercial practice since 1913, it had no knowledge of Computing Company's fraudulent suppression thereof until December 20, 1921, which was after the affirmance of the accounting decree. The bill further averred that counsel for the Computing Company in 1913, in their brief on appeal from the district court in this case said that Phinney had never made a successful scales or put it on the market which the Computing Company knew to be false and that this deceived the Toledo Company and its counsel into damaging admissions in the Circuit Court of Appeals as to the material of which Phinney's scales were actually made.

This bill was supported by the same evidence used in the Seventh Circuit applications of 1913 and 1921 and also by the affidavit of one Koehne, who said that he was a patent lawyer and solicitor and had been in the employ of the Computing Company for a number of years, that he was privy to the conspiracy charged in the bill and a participant in it, but that the counsel employed to defend the various patent suits referred to in the bill were not, and that the agents and managers of the Computing Company with whom he worked and talked were dead.

Mr. George D. Welles and *Mr. Frederick P. Fish*, with whom *Mr. Edward Rector*, *Mr. Harry W. Morgan*, *Mr. Thos. H. Tracy*, *Mr. Rathbun Fuller*, and *Mr. Horace Kent Tenney* were on the briefs, for Toledo Scale Company.

Mr. Charles Markell, with whom *Mr. Edward Osgood Brown* and *Mr. Edwin J. Marshall* were on the brief, for Fidelity & Deposit Company of Maryland et al.

Mr. John M. Zane, with whom *Mr. Charles F. Morse* and *Mr. Drury W. Cooper* were on the briefs, for Computing Scale Company.

Mr. Chief Justice TAFT, after stating the case as above, delivered the opinion of the Court.

It is insisted by counsel for the petitioner that it is within our power and it is our duty on this writ to go into the merits of the issue of the validity of the Smith patent and of the correctness of the money decree for profits. We were asked to do this by an application for writ of certiorari which we denied January 9, 1922 (257 U. S. 657). The decree then sought to be reviewed was entered in October, 1921. The application for this second writ of certiorari which we are now considering was not made until May 22, 1922, more than three months after the final decree in the circuit court of appeals for the payment of profits. Section 6 of act of September 6, 1916 (ch. 448, 39 Stat. 726, 727) directs:

> That no writ of error, appeal or writ of certiorari intended to bring up any cause for review by the Supreme Court shall be allowed or entertained unless duly applied for within three months after entry of the judgment or decree complained of.

[1] This deprives us of jurisdiction to consider the merits of the decree of October, 1921.

The case of *Hamilton Shoe Company* v. *Wolf Brothers*, 240 U. S. 251; 225 O. G. 1441, is cited to sustain a contrary view, but it fails to do so. In that case, a writ of certiorari had been applied for to this Court to review an interlocutory decree of the circuit court of appeals and denied. The case went back to the district court for a final accounting for infringement of a trade-mark and after a final decree for profits came again to the circuit court of appeals and was affirmed. Then a second application was made for a certiorari and it was allowed. The respondent contended that this Court could not review the whole case including the merits of the interlocutory decree because of the denial of the first application for certiorari. We held that the denial constituted no bar because the decree sought then to be reviewed was not final. Our power to grant writs of certiorari extends to interlocutory as well as final decrees; and a mere denial of the writ to an interlocutory ruling of the circuit court of appeals does not limit our power to review the whole case when it is brought here by our certiorari on final decree. In the case before us, the decree of October, 1921, which we declined to review in January, 1922, was a final decree and we are expressly denied power to review it after three months.

What we are to consider on this writ is whether the circuit court of appeals on the petition for a rule against the Toledo Company had anything presented to it in the record in the Ohio court which required it to stay its hand in using available process to enforce its final decree. We are very clear that it had not. It has been necessary to make an elaborate statement to show the complicated facts; but when they are arrayed in order so as to be understood, there is no escape from the conclusion that the action of the Ohio court could not, and should not interfere with or stay the due course of proceedings to enforce the Seventh Circuit decree.

The application to the circuit court of appeals in 1913 to frame its mandate so as to permit that court to rehear the issue on the merits of the validity of the patent already found and affirmed by both courts, was addressed to the discretion of that court and that was exercised to deny the application, presumably because the application showed on its face a lack of the due diligence in not producing the alleged newly discovered evidence in time to have presented it to the trial court at the hearing on the merits in June, 1912. The Toledo Company had been advised of the claim of its infringement of the Smith patent within a year after it began to make and sell the aluminum cylinder scale in 1906 by two suits of the Computing Scale Company and its attention had been directed to the necessity of preparing for a defense. This was further stipulated by the Chicago suit, the one at bar, in 1910, in which the Toledo Company filed an answer averring among other defenses that the Smith patent had been anticipated not only by the Phinney patent itself but by prior manufacture, sale and commercial use by Phinney of scales which embraced the device whose invention was claimed by Smith, and that this prior use was at Pawtucket, R. I.

In spite of this, the agents and counsel of the Toledo Company never visited Pawtucket before the hearing on the validity of the Smith patent in June, 1912. The only reason for this failure is the suggestion that the model of the cylinder deposited by Phinney in the Patent Office with his application was a small solid wooden cylinder, not full size, which led counsel to think that no practice under the patent would show lightness of material and weight. It was a matter of equitable discretion for the circuit court of appeals to determine whether this was sufficient excuse. *Hopkins* v. *Hebard*, 235 U. S. 287. Certainly it was not an abuse of its discretion to hold that it was not a good one. The natural and obvious course of one tracing out evidence of prior commercial use of Phinney which was formally averred in the Toledo Company's bill to have taken place at Pawtucket, would have been to go to Pawtucket and look up Phinney, or, if dead, his family and successors. Had this course been pursued, Phinney's widow and son would have been found there and several of those whose affidavits and depositions are now produced who say that they bought and used the Phinney scales made with light wood and paper cylinders. From those witnesses, too, the investigator would have been led directly to the proceedings in Federal Company suit in Philadelphia, the record of which contained all this evidence, and he would have found without difficulty the three original Phinney scales that were exhibits in that case. Nor can we say that it was an abuse of discretion for the circuit court of appeals to refuse a similar application, made in October, 1921, to open

up the case to permit a rehearing of an issue, settled nine years before, when the evidence as to the lack of diligence of the Toledo Company was just the same.

[2] It is unnecessary to determine whether the applications of 1913 and 1921 come within the proper definition of a bill of review in a court of chancery. It is enough to say that whether they were merely motions for rehearing, like a motion for new trial at law, or were applications in the nature of a bill of review, they were addressed to the sound discretion of the Court, and based as they were upon the ground of newly discovered evidence, the indispensable condition of their being granted was that the failure to discover the evidence in time for the trial was not due to a lack of diligence on the part of the applicant. That condition precedent was not fulfilled.

[3] Do the additional facts averred in the bill filed in the Ohio court change the situation? It is said they show extrinsic fraud committed by the Computing Scale Company upon proof of which a court of equity, although in another jurisdiction, having jurisdiction of the parties may enjoin the one guilty of the fraud from profiting by a decree so obtained. There has been much discussion as to whether extrinsic fraud is here alleged, and the case of *United States* v. *Throckmorton*, 98 U. S. 61, is cited and numerous other authorities since that case. We do not find ourselves obliged to enter upon a consideration of the sometimes nice distinctions made between intrinsic and extrinsic frauds in the application of the rule, because in any case to justify setting aside a decree for fraud whether extrinsic or intrinsic, it must appear that the fraud charged really prevented the party complaining from making a full and fair defense. If it does not so appear, then proof of the ultimate fact, to wit, that the decree was obtained by fraud, fails. That is the case here.

The allegations of the bill and of the affidavits are of a conspiracy by the inner circle of the Computing Scale Company's agents commenced in 1902, years before the Toledo Company began to make and sell cylinder drum scales, to monopolize the business of making and selling scales, to put the Toledo Company out of business, and after it began to make cylinder scales, to prevent it from so doing by suits brought on the Smith patent which it knew to be invalid because of the Phinney prior use. In pursuance of the conspiracy it is charged that it proceeded to buy up and keep from the Toledo Company knowledge of, and access to, the Phinney scales. Proof is adduced to show that the Computing Scale Company did buy up as many of the Phinney scales as it could secure. But there is not anywhere in the record, which we can find, or which has been pointed out to us, any real evidence that the Toledo Company was, in the slightest degree, interfered with by acts of the Computing Company in its search for evidence of the Phinney prior use. Had the Toledo Company found, as it might easily have done, the witnesses in Pawtucket, it would have found the oral evidence as to the existence of the Phinney scales and would have been led directly to the Philadelphia suit where it would have found the cylinders it did find after June 1912. Moreover there were the Randall suit in Philadelphia in 1901 and the Standard suit in Wisconsin where other Phinney scales were also exhibits and open to inspection by the Toledo Company before 1912. There is not a scintilla of evidence to show any effort on the part of the Computing Scale Company to induce any witnesses not to testify, or to spirit them away from contact with the Toledo Company. There is nothing to show that if the Computing Scale Company had not bought the Phinney scales, the Toledo Company would have found them any earlier. The passages in the brief on behalf of the Computing Company in the first hearing of the case on appeal in the circuit court of appeals which stated that Phinney had not made scales for commercial use had reference of course to the record before the court, were made after the trial in the district court and so could not have misled the Toledo Company in its preparation for that trial. The conclusion is unavoidable that the only cause of the failure of the Toledo Company to produce this Phinney evidence was the mistake of the counsel for the Toledo Company in assuming that an inadequate model in the Patent Office filed by Phinney showed no relevant prior use by him, and the failure of the Toledo Company's agents to take the ordinary and obvious course to make adequate inquiry at Pawtucket as to the prior use which it had averred in the bill. Certainly the Computing Scale Company was not responsible for the inadequacy of Phinney's model or for the failure of the Toledo Company to make the inquiry before June 1912. The averments as to conspiracy to monopolize, and to drive the Toledo Company out of business and the details of the purchase of Phinney scales are all irrelevant because they are not shown to have had any causal connection with the failure of the Toledo Company to find out earlier what it did stumble on in 1913.

[4] We do not understand it to be contended that there was any relation between the Computing Scale Company and the Toledo Company which made it the duty of the former to furnish evidence to the latter to weaken its own case or that silence in respect to the Phinney scales constituted that kind of fraud which would invalidate the decree unless it was accompanied by acts which actually prevented the Toledo Company's finding and availing itself of such evidence. Clearly there is no such rule of law in a case like this.

[5] Another aspect of this record leads to the same conclusion. However nice the distinction between extrinsic and intrinsic fraud, we have been cited to no case where it has been held that fraud is extrinsic when the court rendering the decree attacked had before it the same issue of fraud on the same facts, only a little more elaborated as to the motive of the party charged with committing it. The necessary inference from the affidavits filed in May, 1913, by the Toledo Company, and its depositions in 1917, and its motion

and briefs in 1921, in the circuit court of appeals, was that the Computing Scale Company had been securing Phinney scales with a view of concealing them from the Toledo Company, and these were all before the circuit court of appeals when it finally refused to open the decree on its merits in 1921 to let in the evidence. It did not add to the weight of that evidence for the purpose for which it could be used in either court, that this was the result of a conspiracy to monopolize trade or that it grew out of a malicious feeling toward the Toledo Company. What the District Court for Northern Ohio was doing in hearing the injunction suit and issuing a temporary injunction was merely reviewing the discretion of the Circuit Court of Appeals of the Seventh Circuit in dealing with the same ultimate facts and reaching a different conclusion. This was beyond its province. *Embry* v. *Palmer*, 107 U. S. 3, 11; *Telford* v. *Brinkerhoff*, 163 Ill. 439, 443; *Marine Ins. Co.* v. *Hodgson*, 7 Cranch. 332.

[6] It is pressed upon us that the amount of this decree which by reason of growing interest will considerably exceed half a million dollars, is such that its enforcement may be ruinous to the Toledo Company, and yet that company has never had an opportunity to bring to a hearing this evidence of the Phinney prior commercial use which on the showing and argument is clearly a complete defense to a suit prosecuted by an unscrupulous competitor, conscious all the time of its falsity and injustice. This view of the case is not a fair one. The Toledo Company had a chance to make a defense of the Phinney prior use and failed to do so because of its own lack of diligence. As it did not secure a hearing of the Phinney defense, its opponent had no chance to meet it, as possibly it might have done by showing that the use relied on was a futile one because the Phinney scale as made was not practical or did not weigh accurately or accomplish the purpose of the Smith patent. The fact that but 20 machines were made, and that these ceased to be used years ago or were destroyed, suggests the probability of such an answer. We can not know what the result of the hearing would have been on this issue if tried, because only one side is presented. We are prevented from knowing it by a most salutary rule of law which after parties have had a full and fair opportunity to prepare their case, refuses to permit them to drag out litigation by bringing in new evidence which with due diligence they ought to have discovered before the hearing. The apparent hardship of particular cases should not and can not weigh against the application of this sound principle. As Mr. Justice Story remarked in *Potter* v. *Ocean Insurance Company*, 2 Story 59 (18 Fed. Cases 532):

> It is for the public interest and policy to make an end to litigation, or, as was pointedly said by a great jurist, that suits may not be immortal while men are mortal.

[7] The surety companies object to the order of the circuit court of appeals directing the district court to enter summary judgment against them for the amount due on the decree, because it causes them to pay a decree which the Toledo Company, their principal, deposited in Toledo banks enough money to their order to pay, but which a court of competent jurisdiction enjoins them from paying, or from using this money to pay. They say they are to be ground between the upper and the nether millstones. They say they are indifferent between the parties and only wish to be protected. The order which the circuit court of appeals directed against them was within its jurisdiction. *Pease* v. *Rathbun-Jones Engineering Co.*, 243 U. S. 273, 278. It was right, was final, and they must obey it. They can appeal from the order of the Ohio court. Indeed we are advised that the cause is now pending on appeal in the Circuit Court of Appeals of the Sixth Circuit. If they satisfy the decree of the Seventh Circuit, they can be reasonably confident that they will not be required to suffer a double burden. The Circuit Court of Appeals of the Sixth Circuit is not likely to ignore the ruling of this Court in the premises; and the cause pending in the Sixth Circuit can be brought within the jurisdiction of this Court at any time by certiorari.

[8, 9] It is objected that the circuit court of appeals had no power to direct the district court to enjoin the Toledo Company from further maintaining its Ohio bill or from filing elsewhere any similar bill. It is also objected that it can not direct the district court to assess the Computing Company's expenses including a reasonable attorney's fee in the matter of the Ohio bill and to enter a summary decree therefor. We think these orders were within the power of the circuit court of appeals. This Ohio proceeding was instituted to halt and defeat the decree of the circuit court of appeals, while that decree was still in that court to be enforced by mandate to the lower court. Under section 262 of the Judicial Code, that court had the right to issue all writs not specifically provided for by statute which might be necessary for the exercise of its appellate jurisdiction. It could, therefore, itself have enjoined the Toledo Company from interfering with the execution of its own decree, *Merrimac River Savings Bank* v. *Clay Center*, 219 U. S. 527, 535; or it could direct the district court to do so, as it did, *Supreme Tribe of Ben Hur* v. *Cauble*, 255 U. S. 356; *Steel Company* v. *R. R. Supply Co.*, 244 U. S. 294, 299; 239 O. G. 654; *Kessler* v. *Eldred*, 206 U. S. 285; 128 O. G. 1690. Moreover, when the character of the proceeding initiated by the Toledo Company, a party before it, to stop the execution of its decree was disclosed on a full hearing on the petition for a rule against the Toledo Company, it had jurisdiction to determine whether the filing and maintenance of the bill was in contempt of its jurisdiction. *New Orleans* v. *New York S. S. Co.*, 20 Wall. 387, 392; *Swift* v. *Black Panther Oil & Gas Co.*, 244 Fed. Rep. 20, 29; and finding it to be so, to punish it by a compensatory imposition, *Merrimac River Savings Bank* v. *Clay Center*, 219 U. S. 527, 535; or to remand it to the district court to do so.

[10] What we are considering here is the rightful course of a court which having entered a final decree is proceeding upon the application of the successful party in the decree to put it into lawful execution. It is advised by this party that the quasi parties, the sureties who have made themselves directly liable upon summary process for prompt payment of the decree, have been enjoined from complying with their obligation to the court by a court of another jurisdiction, that the successful party has also been enjoined from seeking enforcement of the decree, and all this at the suit of the party condemned in the decree to pay and on the ground of fraud exercised upon the court itself in obtaining the decree. If the successful party though thus enjoined, is willing to risk punishment for contempt by the enjoining court, and applies for enforcement of the decree, the court whose decree it is, is clearly not ousted of jurisdiction to proceed to execute it. The proceeding in the enjoining court is solely in personam and does not affect the power or functions of the court whose decree is in question. If advised that there is real ground for impeachment of its decree, it may in its discretion stay its hand until the issue is determined in another court of competent jurisdiction, but if upon examination it finds no such ground advanced, it may properly proceed to secure to the successful party the fruits of his litigation. If the defeated party in his suit in another jurisdiction only seeks to restrain the successful party from prosecuting his decree to payment, there should be unusual circumstances of disrespect to the court entering the decree to justify punishment for contempt. But when he unites in his new suit for an injunction the sureties who, as quasi parties, are obliged to respond to the decree in the course of execution, he puts himself in contempt of the court whose decree it is, and may be punished for it. In the former case he is merely restraining a party who, without disobedience or disrespect to any obligation to the court making the decree, has full discretion and liberty to withhold his hand in pressing it to execution. In the latter case, he is obstructing the process of the court in a proceeding in which its action has been properly and lawfully invoked. The degree of punishment for contempt in such case is in the discretion of the court whose dignity has been offended and whose process has been obstructed. *New Orleans* v. *The New York Steamship Company*, 20 Wallace 387. Certainly it was not an abuse of discretion in this case to impose as a penalty, compensation for the expenses incurred by the successful party to the decree in defending its rights in the Ohio court.

Decree affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1822.]

708,780, C. A. Parsons, Steam turbine, suit filed July 9, 1924, C. of C., D. of C., *C. A. Parsons et al.* v. *The United States.*

821,653, M. E. Layne, Well mechanism, suit filed Nov. 19, 1919, D. C., S. D. Calif. (S. Div.), Doc. E 42 E, *Layne & Bowler Corp.* v. *American Well & Prospecting Co. et al.* Interlocutory decree holding claims 9, 13, and 20 valid July 8, 1924.

860,929, Merrell & Gere, Process of separating the moisture from the constituent solids of liquids; 1,000,931, same, Apparatus for recovering the constituent solids of liquids and semiliquids; 1,282,093, Lietzow & Fleischer, Desiccation process; 1,038,773, J. C. MacLachlan, Desiccating apparatus, suits filed July 14, 1924, D. C., E. D. Mich., Doc. 780, *Merrell-Soule Co.* v. *Campbell Dairy Co.* Same, Doc. 781, *Merrell-Soule Co.* v. *The Laboratory Products Co.* Same, suit filed July 16, 1924, D. C., W. D. Mich. (S. Div.), Doc. 2015, *Merrell-Soule Co.* v. *Northland Dairy Co.*

893,168, I. Hewitt, Cement-spreading machine, equities with defendant, bill dismissed at plaintiff's cost June 23, 1924, D. C., N. D. Ohio (E. Div.). Doc. 994, *The Lakewood Engineering Co.* v. *C. H. Stein et al.*

1,000,931. (See 860,929.)

1,004,505. A. V. L. Verneuil, Synthetic sapphire, suits filed July 11, 1924, D. C., S. D. N. Y., Doc. E 29/401, *L. Heller & Son, Inc.*, v. *G. A. Teek, Inc.* Same, Doc. E 29/402, *L. Heller & Son, Inc.*, v. *J. Drilling Co.* Same, Doc. E 30/1, *L. Heller & Son, Inc.*, v. *C. Channard.* Same, Doc. E 30/2, *L. Heller & Son, Inc.*, v. *M. Koulish.*

1,038,773. (See 860, 929.)

1,041,279, Heimsohn, Edwards & Klaus, Machine for rolling annular plates, suit filed July 7, 1924, D. C., N. D. Ohio, (E. Div.), Doc. 1254, *The Hydraulic Steel Co. et al.* v. *The American Welding & Mfg. Co.*

1,103,567, E. P. Cowles, Motor vehicle, appeal filed May 16, 1924, C. C. A. (7th Cir.), Doc. 3439, *Overland Motor Co.* v. *Packard Motor Co. et al.*

1,149,495, G. C. Carson, Metallurgical furnace; 1,302,307, same, Construction of roof of open-hearth and reverberatory furnace, suit filed June 20, 1924, D. C. Utah, Doc. 8272, *G. C. Carson* v. *Garfield Smelting Co.* Action at law (notice dated July 11, 1924.)

1,212,840, F. J. Straub, Building block and method of making same, suit filed July 8, 1924, D. C., W. D. N. Y., Doc. 640 D, *Crozier-Straub, Inc.*, v. *The Genesee Brick & Supply Co., Inc.*

1,227,660, J. H. Rand, Card index; 1,227,662, 1,227,663, 1,227,664, same, Index device, consent decree sustaining validity of patents, adjudging infringement, and granting permanent injunction against Southern Bell Telephone & Telegraph Co., D. C., N. D. Ga., Doc. E 243, *J. H. Rand* v. *Southern Bell Telephone & Telegraph Co.*

1,227,662. (See 1,227,660.)

1,227,663. (See 1,227,660.)

1,227,664. (See 1,227,660.)

1,239,628, Shoemaker & Bruck, Shoe tap or half sole, suit filed in D. C. Oreg., Doc. E 7673, *P. Bruck et al.* v. *H. C. Huntington et al.* Patent held valid and defendant enjoined from infringing (notice dated July 3, 1924).

1,262,860. (See 1,263,138.)

1,263,138, 1,262,860, S. B. Smith, Incubator, suit filed July 8, 1924, D. C., E. D. Wash., Doc. 1286, *Buckeye Incubator Co.* v. *E. R. Wells.*

1,282,093. (See 860,929.)

1,302,307. (See 1,149,495.)

1,373,366, 1,409,125, F. H. Stanwood, Step plate for automobiles and the like; Des. 57,791, same, Design for an automobile step plate, suit filed July 19, 1922, D. C., N. D. Ohio (E. Div.), Doc. 781, *Stanwood Equipment Co.* v. *The Chandler Motor Car Co.* Dismissed without prejudice at plaintiff's cost June 6, 1924.

1,409,125. (See 1,373,366.)

1,429,438, Klaus & Kranz, Electroplating apparatus, suit filed July 7, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1255, *The Hydraulic Steel Co. et al.* v. *The Firestone Steel Products Co.*

1,435,199, L. Van D. Blair, Heat-insulated receptacle, suit filed July 8, 1924, D. C., S. D. Ill., Doc. 279, *The Mantle Lamp Co. of America* v. *Macomb Mfg. Co.* Same, suit filed July 10, 1924, D. C. Mo. (W. Div.), Doc. 546, *The Mantle Lamp Co. of America* v. *The Cutino Co.*

1,436,365, N. J. Steinan, Advertising display sign, appeal filed Apr. 30, 1924, C. C. A. (7th Cir.), Doc. 3430, *The Steinan Co.* v. *The Common Sense Novelty Co.*

1,454,744, B. G. Jamieson, Electric-switch-house construction, suit filed July 7, 1924, D. C., S. D. N. Y., Doc. E 29/348, *B. G. Jamieson* v. *United Electric Light & Power Co.*

1,457,990, E. C. Morgan, Display stand, Interlocutory decree pro confesso sustaining patent, adjudging infringement, and granting injunction filed June 30, 1924, D. C., S. D. N. Y., Doc. E 27/368, *E. C. Morgan* v. *F. E. Beardsley.*

1,464,326, Lindstrom & Sealholm, Fence post, suit filed June 18, 1924, D. C., N. D. Ill., Doc. 4105, *E. H. Lindstrom et al.* v. *The American Steel & Wire Co.*

1,466,521, W. R. Berryman, Shuttle bobbin, suit filed July 2, 1924, D. C., S. D. N. Y., Doc. E 29/336, *W. R. Berryman* v. *Sumergrade & Son et al.*

1,466,558, A. A. Panyard, Piston ring, suit filed June 26, 1924, D. C., E. D. Mich., Doc. 775, *Panyard Machine & Mfg. Co.* v. *Smiley & Bruns (Kendell Motor Products Co.) et al.*

1,472,616, W. H. Richman, Process of making metallic cans and article produced; 1,485,427, A. E. Paige, Process for forming containers, suit filed June 16, 1924, D. C., N. D. Ill., Doc. 4103, *John Wood Mfg. Co. et al.* v. *Solar-Sturges Mfg. Co. et al.*

1,484,919, A. P. Witten, Method of manufacturing colored rubber articles, suit filed June 23, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1181, *A. P. Witten et al.* v. *The Oak Rubber Co.*

1,485,427. (See 1,472,616.)

Re. 15,533, J. B. Atkins, Rim structure, suit filed June 27, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1183, *The G. H. Rim Co.* v. *The Firestone Steel Products Co.*

Des. 57,041, F. D. Gould, Automobile top, suit filed June 19, 1924, D. C., N. D. Calif., Doc. E 1296, *F. D. Gould Co.* v. *W. A. Larkin.*

Des. 57,791. (See 1,373,366.)

Des. 62,437, D. Stoll, Metal border strip or similar article of manufacture, suit filed June 25, 1924, D. C., S. D. N. Y., Doc. E. 29/309, *D. Stoll et al.* v. *J. Schwartz.*

Des. 62,630, P. I. Ansorage, Lighting-fixture part, suits filed June 28, 1924, D. C., S. D. N. Y., Doc. E 29/319, *Empire Lighting Fixture Co., Inc.*, v. *Practical Lighting Fixture Co., Inc.* Same, Doc. E 29/320, *Empire Lighting Fixture Co., Inc.*, v. *B. Rudolf (United Gas & Electrical Supply Co.).* Same, Doc. E 29/321, *Empire Lighting Fixture Co., Inc.*, v. *I. L. Propp.*

Des. 64,650, A. Aarons, Lighting fixture, suit filed July 11, 1924, D. C., S. D. N. Y., Doc. E 29/394, *Practical Lighting Fixture Co., Inc.*, v. *Modern Lighting Fixture Co., Inc.*

T. M. 90,103, C. A. Edgarton Mfg. Co., Suspenders, suit filed July 12, 1924, D. C. Conn., Doc. 1729, *President Suspender Co.* v. *J. F. Molloy Co.*

T. M. 131,931, W. D. Barton et al., Polish for leather goods, appeal filed Sept. 18, 1923, C. C. A. (3d Cir.), Doc. 3079, *W. D. Barton et al.* v. *The Rex Oil Co., Inc.*

TRADE-MARKS CANCELED.

166,290. Coffee, cocoa, and chocolate. Samuel Blackman, Philadelphia, Pa. Registered May 27, 1923. Canceled July 21, 1924.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 2, 1924.

[PUBLISHED SEPTEMBER 3, 1924.]

[VOL. 326. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 145,474. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SALVATOR PENNY, Palisades Park, N. J. Filed Mar. 30, 1921.

GRAPEDELITE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Sirup Sold as a Flavoring for Soft Drinks.
Claims use since Jan. 1, 1919.

Ser. No. 152,247. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Aug. 27, 1921. Under ten-year proviso.

GORHAM

Trade-mark comprises the word "Gorham."
Particular description of goods.—Electric Lamps and Electroliers.
Claims use since 1904.

Ser. No. 152,716. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. K. SCOFIELD, doing business as Rudman & Scofield, New York, N. Y. Filed Sept. 8, 1921.

RUDSCO

Particular description of goods.—Tin Coffee Boilers and Coffee Urns.
Claims use since July, 1919.

Ser. No. 156,256. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) FRANK H. BARNHART, Fostoria, Ohio. Filed Dec. 5, 1921.

"PLAYMOR"

Particular description of goods.—Children's Safety Harness.
Claims use since Oct. 25, 1920.

Ser. No. 160,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRESON & PATTERSON, Worcester, Mass. Filed Mar. 4, 1922.



The words "Ice Cream Candy" appearing on the mark are expressly disclaimed, and the words "Frozen" and "Lunch" are disclaimed apart from the mark as shown.
Particular description of goods.—Ice Cream and Ice Cream Coated with Chocolate.
Claims use since Jan. 15, 1922.

Ser. No. 164,460. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed May 24, 1922.

Pilgrim

The drawing is lined for purposes of shading only.
Particular description of goods.—Woolen Cloths in the Piece Intended for Suitings, Etc.
Claims use since Mar. 9, 1922.

Ser. No. 166,170. (CLASS 20. LINOLEUM AND OILED CLOTH.) COTT-A-LAP COMPANY, Somerville, N. J. Filed June 28, 1922.



No claim is made to the descriptive words "Floor Coverings, Quality Guaranteed."

Particular description of goods.—Floor Coverings Composed of Fibrous Material Saturated or Coated with a Waterproof Substance.

Claims use since Mar. 4, 1922.

Ser. No. 170,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE H. DENTLER, Houston, Tex. Filed Sept. 28, 1922.

MAGNOLIA

Particular description of goods.—Potato Chips.

Claims use since Jan. 1, 1917.

Ser. No. 172,762. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE PETROLENE CO., Whiting, Ind. Filed Dec. 1, 1922.

Petrolene

Particular description of goods.—Floor and Wall Coverings—Namely, Rugs, Borders, Hall Runners, Mats, Wainscoting, and Paneling Made of Felt Saturated with Asphalt Painted and Varnished.

Claims use since July 15, 1905.

Ser. No. 174,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUBURN MERCANTILE COMPANY, Auburn, N. Y. Filed Jan. 3, 1923.

CREAM OF THE HARVEST

Particular description of goods.—Catchup, Chili Sauce, Prepared Mustard, Coffee, Flavoring Extracts for Food Purposes, Canned Vegetables, Salt Fish, Jellies and Jams, Jelly Powders, Strained Honey, Mincemeat, Evaporated Milk, Olives, Peanut Butter, Mayonnaise, Canned Soups, Spices, Tea, and Rice.

Claims use since July 1, 1916.

Ser. No. 175,639. (CLASS 39. CLOTHING.) A. ALTSHULER MERCHANDISING CO., Boston, Mass. Filed Feb. 7, 1923.



No claim is made to the representation of the coat apart from the mark shown.

Particular description of goods.—Ladies' Cloaks and Suits.

Claims use since Jan. 1, 1916.

Ser. No. 175,678. (CLASS 37. PAPER AND STATIONERY.) PEN-O-PENCIL COMPANY, New York, N. Y. Filed Feb. 7, 1923.

Twinpoint

No claim is made to the use of the representation of a combination fountain pen and pencil apart from the mark shown on the drawing.

Particular description of goods.—Fountain Pens and Pencils and Combination Fountain Pens and Pencils.

Claims use since about Jan. 23, 1923.

Ser. No. 176,730. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DELACOUR BROS. LTD., London, England. Filed Feb. 28, 1923.

PILGRIM

Particular description of goods.—Tobacco Pipes.

Claims use since July 1, 1922.

Ser. No. 177,271. (CLASS 39. CLOTHING.) BIRD KNITTING MILLS CO., Philadelphia, Pa. Filed Mar. 12, 1923.

LITTLE LAMB HOSE

No claim is made to the word "Hose" apart from the mark as shown.

Particular description of goods.—Hosiery.

Claims use since December, 1915.

Ser. No. 177,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 19, 1923.

VIM

Particular description of goods.—Cereal Breakfast Food.

Claims use since Feb. 23, 1923.

Ser. No. 177,756. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 20, 1923.

APOLLON

Particular description of goods.—Durum Wheat Flour.

Claims use since Feb. 17, 1923.

Ser. No. 177,799. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PATRICK COUNTY VA. FAIRY STONE CO., INC., Richmond, Va. Filed Mar. 21, 1923.



Particular description of goods.—Jewelry Consisting of Pendants, Watch Fobs, Stick Pins, Brooches, and Charms Having a Cross-Shaped Stone Therein.

Claims use since 1915.

Ser. No. 178,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE LOWE CO. INC., Brooklyn, N. Y. Filed Mar. 27, 1923.

Puritan Belle

Particular description of goods.—Cake, Ice Cream, and Bread.

Claims use since Jan. 1, 1923.

Ser. No. 178,389. (CLASS 39. CLOTHING.) HUB HOSIERY MILLS, Boston, Mass. Filed Mar. 31, 1923.

WOOLY-LAMB

Particular description of goods.—Infants' Hose.

Claims use since Feb. 7, 1923.

Ser. No. 179,264. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Apr. 17, 1923.

Shell Briar

No claim is made to the word "Briar" apart from the mark shown.

Particular description of goods.—Pipes, Cigar and Cigarette Holders, and Tobacco Pouches.

Claims use since Jan. 1, 1917.

Ser. No. 179,445. (CLASS 39. CLOTHING.) WOOL NOVELTY CO., INC., doing business as Doly Gray, New York, N. Y., assignor to David Tannenbaum and August Tannenbaum, both of Brooklyn, N. Y. Filed Apr. 20, 1923.

DOLLY GRAY

Particular description of goods—Knitted Outer Garments—Namely, Ladies' Sport Dresses, Sport Capes, Sport Blouses, Sport Skirts, and Bathing Suits and Children's Dresses and Capes.

Claims use since about Mar. 19, 1923.

Ser. No. 179,803. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERBERT B. LEDERER CORP., New York, N. Y. Filed Apr. 27, 1923.

PRIDE OF BELFAST

Particular description of goods.—Linen Piece Goods.

Claims use since Oct. 4, 1921.

Ser. No. 179,863. (CLASS 39. CLOTHING.) GOTHAM SILK HOSIERY CO. INC., New York, N. Y. Filed Apr. 28, 1923.

GOTHAM INVISIBLES

Exclusive use of the term "Invisibles" is disclaimed except as associated with other features of the mark.

Particular description of goods.—Understockings, Spats, and Hosiery.

Claims use since Apr. 1, 1923.

Ser. No. 180,025. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOSÉ MARCEL ORTEGA, Addlestone, Surrey, England. Filed May 1, 1923.

LADDKNIT

Particular description of goods.—Devices for Repairing Knitted Fabric, in the Nature of Crochet and Knitting Needles.

Claims use since Apr. 29, 1921.

Ser. No. 180,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY DIEDERICH, Brooklyn and Valley Stream, N. Y. Filed May 3, 1923.



The lining appearing on the drawing is intended to indicate the color red. Applicant hereby disclaims the words "Old Dutch Rusk" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Food Product—Namely, Rusk.

Claims use since Apr. 17, 1923.

Ser. No. 180,886. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PICKANINNY COMPANY, Baltimore, Md. Filed May 19, 1923.

PICKANINNY

Particular description of goods.—Salad Oil.

Claims use since Apr. 3, 1923.

Ser. No. 181,117. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLIVE ARTHUR HENNINGEU, Shamokin, Pa. Filed May 25, 1923.

Gin-O-Pep

Particular description of goods.—Nonalcoholic, Maltless Soft Drink.

Claims use since March, 1923.

Ser. No. 181,588. (CLASS 39. CLOTHING.) FRANK G. DELBON, Brooklyn, N. Y. Filed June 6, 1923.



Particular description of goods.—Leather Shoes.

Claims use since about May 1, 1923.

Ser. No. 181,960. (CLASS 39. CLOTHING.) LORETTO B. QUIGLEY, New York, N. Y. Filed June 13, 1923.

<TWO POINT>

Particular description of goods.—Collars.

Claims use since about June 2, 1922.

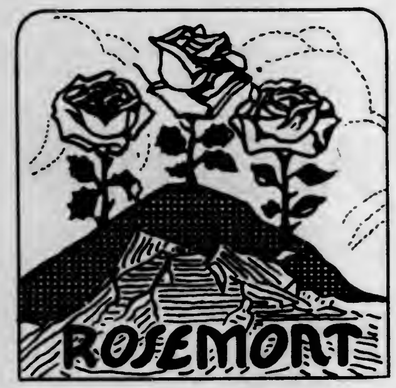
Ser. No. 183,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GRAIN COMPANY, Birmingham, Ala. Filed July 11, 1923.

JUST RIGHT

Particular description of goods.—Horse and Mule Feed and Cow Feed.

Claims use since 1920.

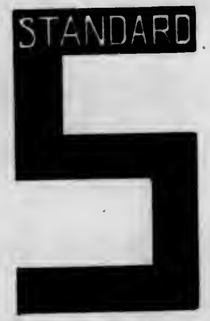
Ser. No. 184,215. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORRIS S. ROSENBERG, New York, N. Y. Filed Aug. 8, 1923.



Particular description of goods.—Bracelets, Finger Rings, Watch Chains, Neck Chains, Key Chains, Scarfpins, Earrings, Lockets, Charms, Brooches, Lavallières, Pendants, Sautoirs, Cuff Links, Cuff Buttons, Tie Clasps, Emblem Buttons, Collar Pins, Collar Buttons, Shirt Buttons, Shirt Studs, Vanity Cases, Cigar Cases, Cigarette Cases, Crosses, Crucifixes, Match Boxes, Snuff Boxes, Mesh Bags, Vanity Bags, Pocketknives, Dinner Bells, Flatware, and Hollow Ware, All Made of or Plated with Precious Metal.

Claims use since Mar. 20, 1923.

Ser. No. 184,770. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD GYPSUM COMPANY, San Francisco, Calif Filed Aug. 20, 1923.



Applicant disclaims the word "Standard" by itself.

Particular description of goods.—Hard Wall Finishing and Casting Plaster.

Claims use since Oct. 1, 1918.

Ser. No. 184,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRU-BLU BISCUIT COMPANY, also doing business as Krause's, Spokane, Wash. Filed Aug. 25, 1923.

"SWEETER THAN MUSIC"

Particular description of goods.—Candy.

Claims use since June 11, 1923.

Ser. No. 185,402. (CLASS 39. CLOTHING.) ATLAS SHOE MFG. CO., INC., New York, N. Y. Filed Sept. 7, 1923.

CORDOVACHYDE

Finer than Cordovan.-Tougher than Rawhide

The words "Finer Than Cordovan, Tougher Than Rawhide" are disclaimed except in connection with the mark as shown in the drawing.

Particular description of goods.—Shoes, Putties, and Leggings Made of Leather.

Claims use since June 1, 1923.

Ser. No. 185,406. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MACK BOUCHARD & SON, Caribou, Me. Filed Sept. 7, 1923.

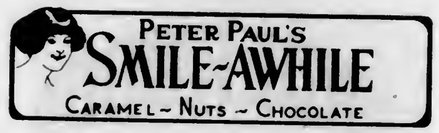


The lining on the drawing is intended to indicate the color red.

Particular description of goods.—Seed Potatoes.

Claims use since December, 1921.

Ser. No. 186,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER PAUL CANDY MANUFACTURING COMPANY, INCORPORATED, Naugatuck, Conn. Filed Sept. 25, 1923.



No claim is made to the words "Caramel," "Nuts," and "Chocolate" apart from the other features of the mark. The portrait of the girl shown is fanciful.

Particular description of goods.—Candy.

Claims use since May, 1920.

Ser. No. 187,825. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL LAJUGIE, Paris, France. Filed Nov. 1, 1923.

KENOTT

Particular description of goods.—Dentifrice.

Claims use since Dec. 1, 1904.

Ser. No. 187,880. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SANITOL COMPANY, St. Louis, Mo., assignor to Mellier Company, Perfumer, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 2, 1923.

FRIVOLE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Sachet, Talcum Powder, and Rouge.

Claims use since Feb. 1, 1917.

Ser. No. 187,881. (CLASS 39. CLOTHING.) ALBERT W. SHAFER, Chicago, Ill. Filed Nov. 2, 1923.

THE RADIO SUIT

"IT BROADCASTS ITS VALUE"

The word "Suit" is disclaimed for the purpose of trade-mark registration apart from the other features of the mark shown in the drawing.

Particular description of goods.—Men's and Youths' Cloth Street Clothing—to wit, Outer Suits, Overcoats, Reefers, and Topcoats.

Claims use since Mar. 16, 1923.

Ser. No. 188,586. (CLASS 39. CLOTHING.) W. B. COON CO., Rochester, N. Y. Filed Nov. 20, 1923.

STYLISH STOUT

Particular description of goods.—Boots, Shoes, and Slippers of Leather and Fabric.

Claims use since 1918.

Ser. No. 188,905. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MEIER GEORGE HILPERT, Bethlehem, Pa. Filed Nov. 26, 1923.

SKI-ZIP

Particular description of goods.—Coaster Runway Slides for Children.

Claims use since Nov. 2, 1923.

Ser. No. 188,959. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE FOY PAINT CO., Cincinnati, Ohio. Filed Nov. 27, 1923.

VELVATONE

Particular description of goods.—Ready-Mixed Paints.
Claims use since Nov. 8, 1909.

Ser. No. 189,006. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa. Filed Nov. 28, 1923.

VELVO-TONE

Particular description of goods.—Varnishes, Stains, and Finishes.
Claims use since March; 1910.

Ser. No. 189,167. (CLASS 39. CLOTHING.) NEUSTADTER BROS., San Francisco, Calif. Filed Dec. 3, 1923.

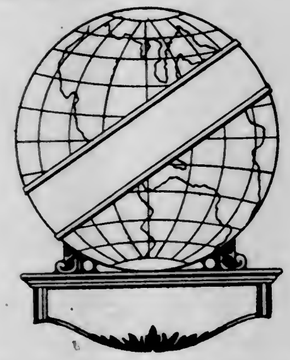
NB



FULL BACK

Particular description of goods.—Men's and Boys' Textile Fabric Union Suits.
Claims use since Sept. 15, 1923.

Ser. No. 189,604. (CLASS 37. PAPER AND STATIONERY.) ATLAS PAPER COMPANY, San Francisco, Calif. Filed Dec. 13, 1923.



Particular description of goods.—Manila Wrapping Paper.
Claims use since on or about May 1, 1922.

Ser. No. 189,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARDSON & COMPANY, Lowville, N. Y. Filed Dec. 13, 1923.



All wording on the drawing with the exception of "Richeese" is disclaimed apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Aug. 1, 1923.

Ser. No. 189,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOWVILLE CHEESE COMPANY, Lowville, N. Y. Filed Dec. 14, 1923.



With the exception of the initials "R. M. V." all the wording on the drawing is disclaimed apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Aug. 1, 1923.

Ser. No. 190,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA PACKING COMPANY, Chicago, Ill. Filed Dec. 22, 1923. Under ten-year proviso.

UNDERWOOD

Particular description of goods.—Hams.
Claims use since Jan. 1, 1882.

Ser. No. 190,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT C. GUZZARDO, Kansas City, Mo. Filed Dec. 31, 1923.

TISANA



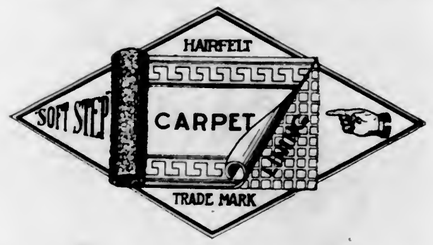
The portrait shown is that of Bertha Guzzardo. No claim is made to the word apart from the mark as shown.
Particular description of goods.—Blood Regulator.
Claims use since September, 1921.

Ser. No. 190,510. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MEINECKE & COMPANY, New York, N. Y. Filed Jan. 7, 1924.

ECONOMY

Particular description of goods.—Hot-Water Bags, Rubber Sheeting for Beds and Hospital Use, Hypodermic Syringes, Hypodermic Needles, Surgeons' Gloves, and Clinical Thermometers.
Claims use since January, 1920.

Ser. No. 190,542. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GREATER NEW YORK EXPORT HOUSE, INC., New York, N. Y. Filed Jan. 8, 1924.



No claim is made to the representation of the goods, nor to the words "Hairfelt," "Carpet," "Trade-Mark," "Soft Step," and "Lining" apart from the mark shown on the drawing; but applicant does not by this disclaimer surrender its common-law rights to such representation and such words.
Particular description of goods.—Carpet Lining Consisting of Several Layers of Hair Felt Pressed Together with a Layer of Burlap Between.
Claims use since Dec. 1, 1923.

Ser. No. 190,756. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Jan. 14, 1924.

WHY MABLE!

Particular description of goods.—Chocolate-Coated Candy.
Claims use since Oct. 5, 1923.

Ser. No. 191,330. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LEE-MARION COMPANY, Chicago, Ill. Filed Jan. 26, 1924.



Particular description of goods.—Lamp Shades of Silk and Other Cloth.
Claims use since June, 1922.

Ser. No. 191,575. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SARKIS SARAFIAN, doing business as Sarafian Sohag Record Co., New York, N. Y. Filed Jan. 31, 1924.



Without waiving any common-law rights and for the purpose of this registration only applicant disclaims the exclusive use of the words "Made in U. S. A. Arshin Mal Alan," as well as the matter underneath these last mentioned words, except as these are used in connection with the other features of the mark the matter underneath the words "Arshin Mal Alan" are the Armenian letters meaning "yard goods peddler." The matter following the word "Sohag" in the upper edge of the shield is the Armenian word which translated means "canary."
Particular description of goods.—Phonograph Records.
Claims use since about Dec. 18, 1923.

Ser. No. 191,991. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HENRY G. THOMPSON & SON CO., New Haven, Conn. Filed Feb. 7, 1924.

Mil Flex Midget

No claim is made to the word "Midget" apart from the mark shown in the drawing.

Particular description of goods.—Hack-Saw Blades and Hack-Saw Frames.

Claims use since Jan. 10, 1924.

Ser. No. 192,496. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PROGRESSIVE KNITTING WORKS, INC., Brooklyn, N. Y. Filed Feb. 18, 1924.

TWILL SHEEN
KNITTED TWO-IN-ONE

No claim is made to the word "Knitted" apart from the mark shown in the drawing. The mark consists of the words "Twill Sheen" in fanciful type and having underneath the words "Knitted Two in One."

Particular description of goods.—Silk Fabrics and Artificial Silk Knitted in the Piece.

Claims use since Dec. 15, 1922.

Ser. No. 192,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PECHEUR LOZENGE CO. INC., Brooklyn, N. Y. Filed Feb. 19, 1924.

PECO

PAY $ ROLL

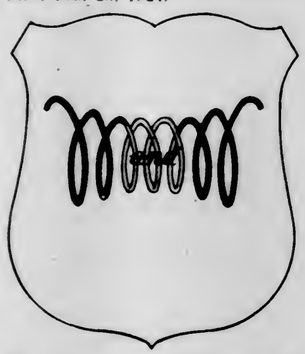
MONEY WAFERS

Applicant disclaims any rights for trade-mark purposes in the word "Peco," the dollar mark ("$"), and the words "Money Wafers" appearing in the mark as submitted in its application for trade-mark.

Particular description of goods.—Candy Wafer.

Claims use since April, 1916.

Ser. No. 192,728. (CLASS 32. FURNITURE AND UPHOLSTERY.) PACIFIC SPRING COMPANY, Oakland, Calif. Filed Feb. 23, 1924.



Particular description of goods.—Bed Springs and Coiled-Spring Supports for Upholstered Furniture and Automobile Seats.

Claims use since Feb. 15, 1924.

Ser. No. 192,749. (CLASS 38. PRINTS AND PUBLICATIONS.) BARRIER BROS., Lubbock, Tex. Filed Feb. 25, 1924.

COLD BOND

Particular description of goods.—Trading Stamps.

Claims use since July 1, 1922.

Ser. No. 192,763. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ESTONIAN MATCH INDUSTRY "LENDRA" LTD., Reval Tallinn, Estonia. Filed Feb. 23, 1924.



Particular description of goods.—Matches.

Claims use since Jan. 28, 1924.

Ser. No. 192,778. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANCIS X. MAYER, Chicago, Ill. Filed Feb. 25, 1924.

MON-E-DUE

Particular description of goods.—Calculating Machines and Devices.

Claims use since Feb. 15, 1924.

Ser. No. 193,147. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Mar. 1, 1924.

RANGER

Particular description of goods.—Paper Shot Shells and Metal Cartridges.

Claims use since on or about Feb. 1, 1918.

Ser. No. 193,190. (CLASS 17. TOBACCO PRODUCTS.) THE PINKERTON TOBACCO CO., Toledo, Ohio. Filed Mar. 3, 1924.

PAY CAR



"Good as Gold"

The word "Cigarettes" is disclaimed apart from the mark shown.

Particular description of goods.—Smoking and Chewing Tobacco and Cigarettes.

Claims use since January, 1912.

Ser. No. 193,574. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE CLEN-SO COMPANY, Shreveport, La. Filed Mar. 11, 1924.

CLEN-SO

Particular description of goods.—Liquid Wax for Cleaning and Polishing Floors, Furniture, and Stained Woodwork.

Claims use since 1917.

Ser. No. 193,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDITH M. GOODING, Plymouth, Mass. Filed Mar. 13, 1924.



No claim is made to the words "Trade-Mark" and "Plymouth, Mass., U. S. A."

Particular description of goods.—Toilet Preparations Consisting of Shampoo Liquid, Cleansing Cream, and Skin Lotions.

Claims use since Dec. 1, 1923.

Ser. No. 193,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEVELAND MILLING CO., Cleveland, Tenn. Filed Mar. 15, 1924.



Particular description of goods.—Wheat Flour.

Claims use since 1916.

Ser. No. 193,978. (CLASS 31. FILTERS AND REFRIGERATORS.) BENEDICT F. VOGT, doing business as Vogt Manufacturing Company, Louisville, Ky. Filed Mar. 17, 1924.



No claim is made to the words "Cabinet Refrigerator" or to the representation of a refrigerator apart from the mark shown.

Particular description of goods.—Refrigerators.

Claims use since Jan. 1, 1924.

Ser. No. 194,000. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHRISTOS GIMUNTSINA, doing business as Sphinx Sanitary Appliance Co., New York, N. Y. Filed Mar. 18, 1924.

SPHINX



Particular description of goods.—Catamenial Bandages.

Claims use since Jan. 5, 1924.

Ser. No. 194,018. (CLASS 39. CLOTHING.) NICHOLSON-FEINBERG, INC., New York, N. Y. Filed Mar. 18, 1924.

KIDDIHOSE
FOR TINY TOES

Particular description of goods.—Hosiery for Children and Infants.

Claims use since October, 1922.

Ser. No. 194,352. (CLASS 39. CLOTHING.) BELLE JOHNSON, Boston, Mass. Filed Mar. 24, 1924.

Delite Undies

The word "Undies" is disclaimed for the purposes of registration except in connection with the word "Delite" without waiving any of applicant's common-law rights.

Particular description of goods. Women's Combination Undergarments Comprising Bloomers and Brassières.

Claims use since on or about Feb. 4, 1924.

Ser. No. 194,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif. Filed Mar. 29, 1924.

Giant Tree

Particular description of goods.—Fresh Grapes.

Claims use since June 8, 1922.

Ser. No. 194,754. (CLASS 39. CLOTHING.) TEMKO-BASS SHOE CO., INC., New York, N. Y. Filed Mar. 31, 1924.

Dr. EMSAM

The mark as set up is merely a fanciful name.

Particular description of goods.—Shoes of Leather, Fabric, and Combinations of Leather and Fabric.

Claims use since March, 1919.

Ser. No. 194,762. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE WILLEY CO. INC., Philadelphia, Pa. Filed Mar. 31, 1924.

THE ROYAL CALENDER

No claim is made to the word "Calender" apart from the other features of the mark.

Particular description of goods.—Clothes-Ironing Calenders.

Claims use since Jan. 7, 1909.

Ser. No. 194,778. (CLASS 39. CLOTHING.) BLAKEY'S BOOT PROTECTORS, LIMITED, Leeds, England. Filed Apr. 1, 1924.

PLUS — FOURS

Particular description of goods.—Pads Manufactured from Rubber Composition for Application to Boots and Shoes.

Claims use since June, 1923.

Ser. No. 194,887. (CLASS 39. CLOTHING.) LEVI STRAUSS AND COMPANY, San Francisco, Calif. Filed Apr. 2, 1924.

THE COMFORT
PAR-VALUE
100%
HOSIERY

No claim is made to the words "The Comfort Hosiery" and "100% Value" with the exception of the mark as shown in the drawing.

Particular description of goods.—Hosiery.

Claims use since Dec. 15, 1922.

Ser. No. 194,996. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GREENE, TWEED & CO., New York, N. Y. Filed Apr. 4, 1924.

PALCO

Particular description of goods.—Packings for the Wearing and Bearing Parts of Machines and Mechanical Devices, Being Packings Made of Cotton Yarn Lubricated with a Graphite Grease Lubricant.

Claims use since 1921.

Ser. No. 195,002. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JIGGER, LIMITED, London, England. Filed Apr. 4, 1924.

REVELATION

Particular description of goods.—Bags; Trunks, Suitcases, Attaché Cases, Cardcases, Wallets, All Being Goods Made of Leather or Principally of Leather, and Boxes and Trunks.

Claims use since Jan. 15, 1923.

Ser. No. 195,225. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FEDERAL CARTRIDGE CORP., Minneapolis, Minn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed Apr. 9, 1924.

RANGER

Particular description of goods.—Shot Shells and Cartridges.

Claims use since Feb. 1, 1918.

Ser. No. 195,280. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GOLF SHAFT AND BLOCK COMPANY, Memphis, Tenn. Filed Apr. 10, 1924.

ARROW

Particular description of goods.—Partly-Finished and in the White Wooden Golf Heads, Golf Dowels, Golf Shafts, Golf Squares, Baseball-Bat Blanks, Baseball Bats, Golf-Stick-Parts Turnings, Baseball-Bat Turnings, Golf-Stick-Parts Dimensions, and Baseball-Bat Dimensions.

Claims use since about 1914.

Ser. No. 195,287. (CLASS 37. PAPER AND STATIONERY.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924.



No claim being made to the exclusive use of the word "Linen" apart from the mark as shown in the drawing.

Particular description of goods.—Stationery Namely, Correspondence Paper and Envelopes.

Claims use since Nov. 3, 1922.

Ser. No. 195,566. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMOTIVE ELECTRIC SERVICE CORPORATION, New York, N. Y. Filed Apr. 15, 1924.

MAJESTIC

Particular description of goods.—Batteries.

Claims use since Mar. 15, 1924.

Ser. No. 195,696. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. B. LAVICK CO., Chicago, Ill. Filed Apr. 17, 1924.

FULL-BACK



Particular description of goods.—Gold-Plated Collar Buttons.
Claims use since June, 1923.

Ser. No. 195,715. (CLASS 39. CLOTHING.) WILLIAM POLL, Brooklyn, N. Y. Filed Apr. 17, 1924.



The word "Hat" as shown on the drawing is disclaimed.
Particular description of goods.—Hats and Caps for Men.
Claims use since Dec. 12, 1923.

Ser. No. 195,757. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORRISON LABORATORIES, INC., Detroit, Mich. Filed Apr. 18, 1924.



Particular description of goods.—Telephone Receivers, Head Phones, Radio Receiving Sets, Loud Speakers, Horns, Toners, and Parts Thereof for Use in Radio Reception.
Claims use since February, 1922.

Ser. No. 195,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROWN FRUIT & EXTRACT CO. INC., New York, N. Y. Filed Apr. 21, 1924.

CROWNEX

Particular description of goods.—Preserved Deciduous and Citrous Fruits Cut in Cube Form.
Claims use since 1909.

Ser. No. 195,996. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) H. F. WALLISER COMPANY, Chicago, Ill. Filed Apr. 22, 1924.



Particular description of goods.—Fringes, Decorative and Trimming Edging Other Than Entire Lace Edgings, Galloons, Gimps, Braids, Bindings, Narrow Webbing, Cords Used as Trimmings, Tassels, Mirror and Picture Hangers, and Rosettes, Said Articles Being Made of Fibrous Material.
Claims use since on or about Mar. 1, 1915.

Ser. No. 196,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SECURITY MILLS, Knoxville, Tenn. Filed Apr. 23, 1924.

BIG S

Particular description of goods.—Horse, Dairy, and Scratch Feed.
Claims use since 1917.

Ser. No. 196,117. (CLASS 39. CLOTHING.) HUGHES & TANSEY, INC., Boston, Mass. Filed Apr. 25, 1924.

SAMARITAN SHOE
RIGID ARCH
"Kind to Your Feet"

The trade-mark is lined for the purpose of shading only. No claim is made to the word "Shoe" and "Rigid Arch" apart from the mark shown.
Particular description of goods.—Boots and Shoes of Leather.
Claims use since Mar. 1, 1923.

Ser. No. 196,295. (CLASS 39. CLOTHING.) CROCKETT & JONES, Northampton, England. Filed Apr. 29, 1924.



Crockett & Jones

Particular description of goods. Boots, Shoes, Slippers, Leggings, and Gaiters Made of Leather, Fabric, Rubber, and Canvas.
Claims use since Sept. 27, 1917.

Ser. No. 196,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGGINS MANUFACTURING COMPANY, Providence, R. I. Filed Apr. 29, 1924.



Particular description of goods.—Solid Cooking or Shortening Compound Composed of Vegetable or Nut Oil.
Claims use since January, 1922.

Ser. No. 196,343. (CLASS 39. CLOTHING.) JOHN J. KALISHER, New York, N. Y. Filed Apr. 30, 1924.

INBETWEEN

Trade-mark consists of the word "Inbetween."
Particular description of goods.—Clothing—viz, Overcoats, Suits; and Separate Items Thereof—viz, Coats, Vests, and Pants—for Boys, Including the Lines Known as Students, High-School Cadets, Juniors, and Youths.
Claims use since Apr. 19, 1924.

Ser. No. 196,383. (CLASS 39. CLOTHING.) G. N. C. MANUFACTURING COMPANY, New York, N. Y. Filed May 1, 1924.

KITTY KELLY

Particular description of goods. Dresses.
Claims use since Jan. 1, 1923.

Ser. No. 196,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAPLE DELL CANDY COMPANY, Columbus, Ohio. Filed May 1, 1924.

MOUNTAIN TOPS

Particular description of goods.—Coconut Candy.
Claims use since September, 1922.

Ser. No. 196,649. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COOKSON & CO. LD., Newcastle-on-Tyne, England. Filed May 6, 1924.

PROTINOX

Particular description of goods. Oxide of Antimony and Chemical Compounds and Mixtures Made Therefrom for Use in the Manufacture of Paint, Enamel, Pottery, Glass, and the Like, Including Opacifying Agents, Crude Enamels, Glazes, Pigments, and Like Articles.
Claims use since Nov. 21, 1923.

Ser. No. 196,722. (CLASS 37. PAPER AND STATIONERY.) WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed May 7, 1924.

PEARLGLOW

Particular description of goods.—Announcement and Mailing Envelopes.
Claims use since Mar. 9, 1923.

Ser. No. 196,751. (CLASS 39. CLOTHING.) P. W. MINOR & SON INC., Batavia, N. Y. Filed May 8, 1924.

ZEPHYRWELT

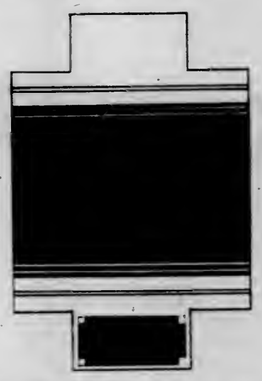
Particular description of goods.—Leather Shoes
Claims use since May 1, 1924.

Ser. No. 196,763. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL RHINE, doing business as Oelwein Chemical Company, Oelwein, Iowa. Filed May 8, 1924.

OCCO

Particular description of goods.—Mineralized Feed.
Claims use since on or about Apr. 1, 1916.

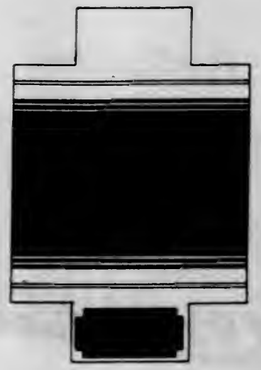
Ser. No. 196,834. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed May 9, 1924.



Trade-mark consists of a black band centrally located between two bands of gray, each divided longitudinally by a white stripe, two rectangular panels of gray, on one of which is displayed a rectangular design in black with notched corners; the colors and arrangement thereof substantially as described and shown being claimed as features of the mark.

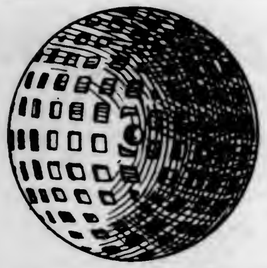
Particular description of goods. Try-Squares, Rules, and Levels.
Claims use since Jan. 3, 1924.

Ser. No. 196,835. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STANLEY WORKS, New Britain, Conn. Filed May 9, 1924.



Particular description of goods.—Hammers, Saws, Bit Braces, Auger Bits, Chisels, Screw Drivers, Planes, Files, Wrenches, Axes, Vises, Putty Knives, Awls, Pry Bars, and Pliers.
Claims use since Jan. 3, 1924.

Ser. No. 196,900. (CLASS 39. CLOTHING.) BLAKEY'S BOOT PROTECTORS, LIMITED, Leeds, England. Filed May 12, 1924.



Particular description of goods.—Pads Manufactured from Rubber or Rubber Composition for Application to Boots and Shoes.
Claims use since January, 1924.

Ser. No. 197,020. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ETABLISSEMENTS POULENC FRERES SOCIETE ANONYME, Paris, France. Filed May 14, 1924.

ORCA

Particular description of goods.—Synthetic Resin Material Made into Sheet, Tubular, and Other Forms and Having Electrical Insulating Properties.
Claims use since Aug. 1, 1923.

Ser. No. 197,031. (CLASS 39. CLOTHING.) HARRY KITZINGER, doing business as Harry Kitzinger & Company, New York, N. Y. Filed May 14, 1924.

KITZI COAT

Trade-mark consists of the words "Kitzi Coat." No claim is made to the exclusive use of the word "Coat" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Coats.
Claims use since May 1, 1924.

Ser. No. 197,188. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEVELAND MILLING CO., Cleveland, Tenn. Filed May 17, 1924.



"Not Genuine Without Our Monogram" and "Our Initial" have been disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Wheat Flour.
Claims use since March, 1924.

Ser. No. 197,205. (CLASS 39. CLOTHING.) LEWIN-NEIMAN CO., New York, N. Y. Filed May 17, 1924.

Peggy Louise

Particular description of goods.—Ladies' Ready-To-Wear Garments—viz, Suits, Coats, Cloaks, Dresses, Blouses, Skirts; Textile Underwear in One, Two, and Three Piece Garments; Kimonos, and Hosiery.
Claims use since May 5, 1924.

Ser. No. 197,290. (CLASS 39. CLOTHING.) THE PIKE RICHMOND CO., Cleveland, Ohio. Filed May 19, 1924.

Style Rite

Particular description of goods.—Women's Hats.
Claims use since about June, 1923.

Ser. No. 197,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed May 21, 1924.

THE GARDEN WALL

Particular description of goods.—Boudoir Novelty Comprising a Package Containing a Number of Perfume Bottles Shaped Like Game Pieces in the Game of Mah Jongg.
Claims use since about Dec. 1, 1923.

Ser. No. 197,390. (CLASS 39. CLOTHING.) EDWARD PENTON AND SON, London, England. Filed May 21, 1924.

LEN-GLEN

Particular description of goods.—Boots and Shoes of Leather, Rubber, Fabric, or Combinations of Two or More of These Substances.
Claims use since July 1, 1919.

Ser. No. 197,410. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. BERKOWITZ, Detroit, Mich. Filed May 22, 1924.

C.N.G.

Particular description of goods.—Antiseptic Solution for the Treatment of Wounds, Cuts, Sprains, Infections, Inflammations, Burns, Inflamed Joints, Etc.
Claims use since Feb. 1, 1924.

Ser. No. 197,429. (CLASS 39. CLOTHING.) J. M. GIDDING & CO., INCORPORATED, New York, N. Y. Filed May 22, 1924.



Without relinquishing or forfeiting any of its common-law rights and solely for the purpose of trade-mark registration in the United States Patent Office applicant disclaims the right to the exclusive use of the word "Fashions" apart from the trade-mark as shown in the drawing.
Particular description of goods. Dresses for Women, Misses, and Children.
Claims use since Mar. 3, 1924.

Ser. No. 197,445. (CLASS 39. CLOTHING.) THE PALACE HAT CO., INC., New York, N. Y. Filed May 22, 1924.



No claim is made to the exclusive use of the word "Hats" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Hats.
Claims use since Mar. 1, 1924.

Ser. No. 197,478. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FIRST AID SPECIALTY COMPANY, INC., New York, N. Y. Filed May 23, 1924.



Without waiving any common-law rights applicant disclaims the words "Emergency Equipment" and "Davis System" apart from the mark shown in the drawing.
Particular description of goods.—Medical and Surgical Appliances Comprising Emergency or First-Aid Kits and Contents, Consisting of Ampuls, Bandages, Compresses, Forceps, Inhalants, Eye Dressings, Cathartic Compounds, Ginger Tablets, Internal Remedies, Spirits of Ammonia, Sutures, and Tourniquets.
Claims use since Mar. 20, 1924.

Ser. No. 197,558. (CLASS 39. CLOTHING.) C. T. PIDGEON MILLINERY CO., Fort Wayne, Ind. Filed May 24, 1924.



No claim is made to the use of the words "Sports Hats" except in connection with the balance of the mark.
Particular description of goods.—Women's Hats.
Claims use since Apr. 18, 1924.

Ser. No. 197,572. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WARREN COMPANY, Atlanta, Ga. Filed May 24, 1924.



No claim is made to the word "Spread" apart from the mark as shown on the drawing.
Particular description of goods.—Paints of All Kinds, Stains, Varnishes, and Paint Enamels.
Claims use since Aug. 10, 1923.

Ser. No. 197,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMER J. COUSINO, doing business as C. N. G. Laboratories Company, Detroit, Mich. Filed May 26, 1924.



The border and the face of the letters of the mark are colored red, and the lining upon the drawing is intended to indicate this color.
Particular description of goods.—Antiseptic and Analgesic Medicines and Germicides.
Claims use since Apr. 10, 1924.

Ser. No. 197,728. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed May 28, 1924.

LINLAWN

Particular description of goods.—Men's Negligee and Dress Shirts and Collars.
Claims use since May 22, 1924.

Ser. No. 197,729. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed May 28, 1924.

OXLAWN

Particular description of goods.—Men's Negligee and Dress Shirts and Collars.
Claims use since May 22, 1924.

Ser. No. 197,731. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed May 28, 1924.

MADRALAWN

Particular description of goods.—Men's Negligee and Dress Shirts and Collars.
Claims use since May 22, 1924.

Ser. No. 197,773. (CLASS 39. CLOTHING.) SALANT & SALANT INC., New York, N. Y. Filed May 28, 1924.



Particular description of goods.—Work Shirts.
Claims use since February, 1924.

Ser. No. 197,774. (CLASS 39. CLOTHING.) SALANT & SALANT INC., New York, N. Y. Filed May 28, 1924.



The numerals are lined to indicate shading.
Particular description of goods.—Work Shirts.
Claims use since March, 1924.

Ser. No. 197,791. (CLASS 39. CLOTHING.) ACCOR PANAMA HAT CO., New York, N. Y. Filed May 29, 1924.



Without waiving any common-law rights no exclusive ownership is claimed in the words "Hand Finished Straws" and "New York" apart from the mark as shown.
Particular description of goods.—Sewed and Woven Straw Hats for Men, Women, and Children.
Claims use since about July 1, 1919.

Ser. No. 197,799. (CLASS 39. CLOTHING.) BRENNER BROS., New York, N. Y. Filed May 29, 1924.

BRENNER BROS.
New York

No claim is made to the exclusive use of the geographical term "New York" apart from the other features of the mark shown in the drawing, without, however, waiving the exclusive right to use this feature as an essential to form the applicant's complete mark.
Particular description of goods.—Ladies' Outer Cloaks and Suits.
Claims use since May 15, 1914.

Ser. No. 197,809. (CLASS 37. PAPER AND STATIONERY.) GREAT LAKES PAPER COMPANY, Chicago, Ill. Filed May 29, 1924.



No claim is made to the illustration of the "Great Lakes" apart from the mark as shown in the drawing.
Particular description of goods.—Blotting Paper and Coated Blanks.
Claims use since Feb. 15, 1919.

Ser. No. 197,816. (CLASS 39. CLOTHING.) H. JACOB & SONS, INC., Brooklyn, N. Y. Filed May 29, 1924.

KUSHIN-FUT

Particular description of goods.—Rubber Heels.
Claims use since March, 1924.

Ser. No. 197,825. (CLASS 39. CLOTHING.) ABRAHAM M. MALOUF, New York, N. Y. Filed May 29, 1924.

SIX MONTHS

Particular description of goods.—Garters.
Claims use since May 1, 1924.

Ser. No. 197,837. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SHANE & HAYS, Brooklyn, N. Y. Filed May 29, 1924.

SHANDAY

Particular description of goods.—Brushes of Every Type Made of Hair, Fiber, Metal, Wool, or Cotton—Namely, Hair, Tooth, Nail, Hand, Floor, Wall, Counter, Dust, Window, Feather, Scrub, Polishing, Hand Scrub, Floor Scrub, Deck Scrub, Paint, Bronzing, Lacquer, Gilding, Enamel, Varnish, Calcimine, Whitewash, Acid, Shoe, Clothes, Silver-Polishing, Radiator, Bottle, Steel-Wire, Flue, Roof, Floor-Waxing, Wall-Stippler, Toilet-Bowl, Marking, Stencil, Sink, Percolator, Refrigerator, Pastry, Fender, Auto-Spoke, Cushion, Kitchen, Sash, Brick-Striping, Stove, Bath, Stucco, and Vegetable Brushes; Dry Mops, Dish Mops, Wet Mops, Yacht Mops, Tinsel Mops, Street Brooms, Garage Brooms, Shoe Daubers, Painters' Dusters, Feather Dusters, Paper-Hanger Smoothers.
Claims use since Sept. 15, 1923.

Ser. No. 197,855. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CONNECTICUT AUTOMOTIVE SPECIALTIES CO., Bridgeport, Conn. Filed May 31, 1924.

"Cascolite"

Particular description of goods.—Electric Cigar Lighters.
Claims use since Aug. 1, 1923.

Ser. No. 197,873. (CLASS 39. CLOTHING.) IRVING A. FRANKEL, doing business as Prudential Shirt Company, New York, N. Y. Filed May 31, 1924.

PRUDENTIAL

Particular description of goods.—Men's Dress Shirts.
Claims use since May 19, 1924.

Ser. No. 197,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIG STONE CANNING CO., Ortonville, Minn. Filed June 2, 1924.



The representation of the ear of corn does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned Corn.
Claims use since 1910.

Ser. No. 197,966. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUPRE-LUSTRE PRODUCTS COMPANY, Brooklyn, N. Y. Filed June 2, 1924.



The words "Varnish Food" and "Makes Varnish Shine" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Polishes for Automobile Bodies, Furniture, Pianos, Interior Woodwork, and Other Varnished Surfaces.
Claims use since Mar. 15, 1924.

Ser. No. 198,022. (CLASS 39. CLOTHING.) WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn. Filed June 3, 1924.

MOOREWEAR

Particular description of goods.—Hosiery; Underwear for Men, Women, and Children, of Knitted and Woven Textile Fabrics; and Sweaters.
Claims use since 1912.

Ser. No. 198,063. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed June 4, 1924.

CHICK-CHECK

No claim is made to the word "Check" apart from the mark shown on the drawing.
Particular description of goods.—Ties, Cravats, Four-In-Hand Ties, and Bow Ties.
Claims use since April, 1923.

Ser. No. 198,084. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEVHTIÖ SAVO, LTD., Kuopio, Finland. Filed June 4, 1924.



No claim is made to the exclusive use of the words "Impregnated Safety Matches Made in Finland Average 50 Matches" apart from the mark as shown in the drawing, without, however, waiving the exclusive right to the use of these words to form the complete mark.
Particular description of goods.—Matches.
Claims use since June 19, 1923.

Ser. No. 198,129. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FAX MANUFACTURING CO., Long Island City, N. Y. Filed June 5, 1924.



Applicant disclaims any exclusive right to the words "No Rubbing. Auto Finish" without prejudice to its common-law rights to the same.
Particular description of goods.—Automobile Polish and Finish.
Claims use since about Apr. 15, 1924.

Ser. No. 198,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREENSPOT CITRUS ASSOCIATION, Mentone, Calif. Filed June 5, 1924.

MOON

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since December, 1916.

Ser. No. 198,149. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MASSON SEELEY AND COMPANY LIMITED, London, England. Filed June 5, 1924.

MASSEELEY

Particular description of goods.—Embossing Machines, Types, Beveling Machines, and Parts of Embossing Machines and Beveling Machines.
Claims use since June 22, 1922.

Ser. No. 198,167. (CLASS 39. CLOTHING.) THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LTD., New York, N. Y. Filed June 6, 1924.

Celanese BRAND

No claim is made to the exclusive use of the word "Brand" apart from the mark shown.
Particular description of goods.—Women's and Children's Outer Wear—Namely, Dresses, Sweaters, Jumpers, Suits, Gowns, and Coats.
Claims use since Apr. 3, 1924.

Ser. No. 198,203. (CLASS 2. RECEPTACLES.) THE WHITE TAR COMPANY, New York, N. Y. Filed June 6, 1924.

SLIP-IN

Particular description of goods.—Mothproof Garment Bags.
Claims use since Feb. 1, 1924.

Ser. No. 198,259. (CLASS 39. CLOTHING.) ISRAEL RUDNICK, doing business as I. Rudnick Mfg. Co., Dallas, Tex. Filed June 7, 1924.

IRON-ROD

Particular description of goods.—Men's Fabric Hats, Work Shirts, Trousers, Overalls, Jackets, and Jumper Suits.
Claims use since Jan. 15, 1924.

Ser. No. 198,290. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DESHELL LABORATORIES, INC., Los Angeles, Calif. Filed June 9, 1924.

KENTOS

Particular description of goods.—Solution for the Treatment of Pyorrhea.
Claims use since Aug. 1, 1923.

Ser. No. 198,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INCORPORATED, New York, N. Y. Filed June 9, 1924.

EXCLUSIVE

Particular description of goods.—Candy.
Claims use since June 2, 1924.

Ser. No. 198,334. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE STARR WHITE, Los Angeles, Calif. Filed June 9, 1924.

Filteray Pad

No claim is made to the word "Pad" apart from the trade-mark as shown on the drawing.
Particular description of goods.—Therapeutic Pads.
Claims use since Mar. 20, 1924.

Ser. No. 198,335. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE STARR WHITE, Los Angeles, Calif. Filed June 9, 1924.

Penetray Pad

No claim is made to the word "Pad" apart from the trade-mark shown on the drawing.
Particular description of goods.—Therapeutic Pads.
Claims use since Mar. 20, 1924.

Ser. No. 198,386. (CLASS 39. CLOTHING.) SIR CHARLES SYKES & SONS, LIMITED, Netherdale, Galashiels, Scotland. Filed June 10, 1924.

GALASYKE

Particular description of goods.—Men's Overcoats, Topcoats, and Suits and Women's Cloaks, Coats, and Suits.
Claims use since May 14, 1924.

Ser. No. 198,418. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MIMO WATCH CO., doing business as Manufacture Internationale Montres Or, Graef et Cie., and Fabrique Mimo, La Chaux-de-Fonds, Switzerland. Filed June 11, 1924.

MIMO

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since about Mar. 25, 1913.

Ser. No. 198,443. (CLASS 37. PAPER AND STATIONERY.) ATLANTIC MANUFACTURING COMPANY, Atlanta, Ga. Filed June 12, 1924.

Scripto

Particular description of goods.—Magazine Pencils.
Claims use since May 26, 1924.

Ser. No. 198,472. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES G. PITTON, Denver, Colo. Filed June 12, 1924.

HI-FI
NANCE

Particular description of goods.—Parlor Game Played with Pieces in the Manner Analogous to Checkers.
Claims use since June 6, 1924.

Ser. No. 198,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY L. MILLER, Charlottesville, Va. Filed June 13, 1924.

EGYPTIAN



The word "Egyptian" is not claimed apart from the other features of the mark as shown.
Particular description of goods.—Medicinal Preparation for Use in Cases of Painful Menstruation, Depression, Irregularity, Backache, and Loss of Strength and Energy.
Claims use since Jan. 1, 1924.

Ser. No. 198,535. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE PALMER SCHOOL OF CHIROPRACTIC, Davenport, Iowa. Filed June 13, 1924.

NEUROCALOMETER

Particular description of goods.—A Very Sensitive Instrument Designed to Measure Differences of Temperature Existing at a Given Time in Different Portions of the Human Body.
Claims use since May 1, 1924.

Ser. No. 198,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID BACK, doing business as David Back & Co., Mount Angel, Oreg. Filed June 16, 1924.

ST. ANTHONY'S
Wonder Tea

The word "Tea" which appears on the drawing is disclaimed.
Particular description of goods.—Medicinal Tea (St. Anthony's wonder tea.)
Claims use since about Aug. 1, 1884.

Ser. No. 198,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANGLO-AMERICAN PHARMACEUTICAL CORPORATION, New York, N. Y. Filed June 18, 1924.

X-Iodo-Bismuth

No claim is made to the words "Iodo-Bismuth" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Medicinal Preparations Suitable for Intramuscular Injection in the Treatment of Syphilis.
Claims use since June 10, 1924.

Ser. No. 198,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MIDLAND FLOUR MILLING CO., Kansas City, Mo. Filed June 18, 1924.

RedMan

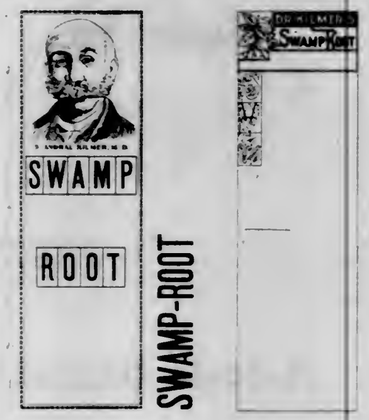
Particular description of goods.—Wheat Shorts.
Claims use since May, 1924.

Ser. No. 198,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. KILLIAN CO., Baltimore, Md. Filed June 19, 1924.

KILLIAN'S
UALITY

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Fish, Canned Oysters, Canned Pork and Beans, Canned Clams, Canned Hominy, and Canned Mixtures of Two or More of the Foregoing Commodities.
Claims use since August, 1918.

Ser. No. 198,807. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. KILMER & CO., Binghamton, N. Y. Filed June 19, 1924.



The portrait shown is that of S. Andral Kilmer, deceased. No claim is made to the words "The Kidney, the Bladder, the Liver, Gall, or Stomach" except in precise relation and association in which they appear in the specimens and drawing.

Particular description of goods.—Preparations for the Treatment of Diseases of the Kidneys, Bladder, Liver, and Urinary Organs.

Claims use since 1881.

Ser. No. 198,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. B. TAYLOR, San Diego, Calif. Filed June 19, 1924.



No claim is made for the word "Salve" apart from the mark as shown.

Particular description of goods.—Healing Salves.

Claims use since Oct. 1, 1923.

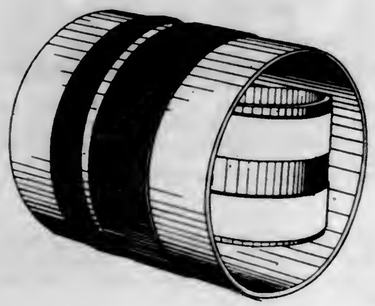
Ser. No. 198,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RANDOLPH MARKETING COMPANY, Los Angeles, Calif. Filed June 20, 1924.



Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, Fresh Vegetables, and Fresh Cantaloupes.

Claims use since 1917.

Ser. No. 198,887. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH TILLOU SATTELS, doing business as Uncle Sam Electric Company, Plainfield, N. J. Filed June 20, 1924.

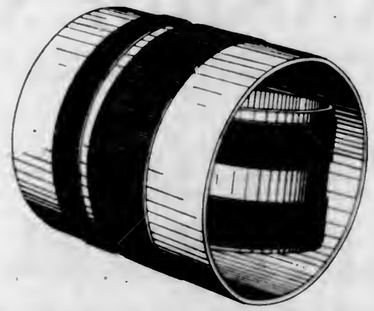


The mark consists in the colors red and blue appearing on the two bands of wiring on the stator, the said colors being indicated by appropriate shade lines upon the drawing, together with the white color appearing on the bands of wiring on the rotor. No claim is made to the representation of the coils.

Particular description of goods.—Induction Coils.

Claims use since Dec. 22, 1923.

Ser. No. 198,888. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH TILLOU SATTELS, doing business as Ambassador Sales Company, New York, N. Y. Filed June 20, 1924.



The mark consists in the colors red and blue appearing on the two bands of wiring on the stator and the color green appearing on the bands of wiring on the rotor, such colors being indicated in the drawing by appropriate color lines. No claim is made to the representation of the coils.

Particular description of goods.—Induction Coils.

Claims use since Dec. 22, 1923.

Ser. No. 198,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON BERRY GROWER PKG. CORP., Sumner, Wash. Filed June 20, 1924.



Applicant disclaims the right to the exclusive use of the word "Brand" apart from the mark as shown on the drawing.

Particular description of goods.—Canned Fruits, Berries, and Canned Vegetables.

Claims use since June 7, 1924.

Ser. No. 198,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BA-HA-NI LABORATORY, INC., Greensburg, Pa. Filed June 21, 1924.

MA:WAN:KA

Particular description of goods.—Medical Compound for the Treatment of Constipation, Biliousness, Dyspepsia, Sick Headache, and Indigestion.

Claims use since May 20, 1924.

Ser. No. 198,939. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MABEL C. DUTY, doing business as Magic Jewelry Company, Cleveland, Ohio. Filed June 21, 1924.

"Magic Jewelry"

No claim is made to the exclusive use of the word "Jewelry" apart from the mark shown on the drawing.

Particular description of goods.—Toy Jewelry.

Claims use since June 7, 1924.

Ser. No. 199,024. (CLASS 7. CORDAGE.) SCHIERMEHORN BROS. CO., Chicago, Ill. Filed June 23, 1924.

WHEAT-LAND

Trade-mark consists of the hyphenated word "Wheat-Land."

Particular description of goods. Twine.

Claims use since Apr. 1, 1924.

Ser. No. 199,035. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed June 24, 1924.

FASTONES

Trade-mark consists of the word "Fastones."

Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.

Claims use since Apr. 25, 1924.

Ser. No. 199,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed June 24, 1924.

Silver Threads

Particular description of goods.—Candy.

Claims use since June 9, 1924.

Ser. No. 199,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif. Filed June 24, 1924.

Gorgeous

Particular description of goods.—Fresh Citrous Fruits—Namely, Fresh Oranges.

Claims use since Mar. 10, 1924.

Ser. No. 199,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTELLA M. GARDNER, doing business as Vivo Life-Blood Co., Boston, Mass. Filed June 24, 1924.

VIVO

Particular description of goods.—Blood Purifier, a Remedy for High Blood Pressure, and a Tonic.
Claims use since Nov. 20, 1923.

Ser. No. 199,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARDIE BROTHERS CO., Pittsburgh, Pa. Filed June 24, 1924.

GoodLickin

Particular description of goods.—Candy.
Claims use since Mar. 20, 1924.

Ser. No. 199,088. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE P-D AUTO PARTS, INC., Meriden, Conn. Filed June 24, 1924.

P-D

Particular description of goods.—Automobile Parts and Accessories—Namely, Springs, Axles, Piston Pins, Engine Valves, Connecting Rods, Crank Shafts, Crank-Shaft Bearings, and Bushings of All Kinds.
Claims use since Oct. 15, 1922.

Ser. No. 199,101. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLMORE LABORATORY, St. Louis, Mo. Filed June 24, 1924.

W.U.G.

Particular description of goods.—Polishing Compound or Dressing for Automobile Bodies.
Claims use since June 6, 1924.

Ser. No. 199,109. (CLASS 37. PAPER AND STATIONERY.) THEODORE J. DAVIE, San Francisco, Calif. Filed June 25, 1924.

KASHDEX

Particular description of goods.—Accounting Sheets Used in Connection with an Accounting System.
Claims use since June 2, 1924.

Ser. No. 199,120. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed June 25, 1924.

LIK-E-NAMEL

Particular description of goods.—Varnish Stain (Colored Varnish).
Claims use since Apr. 1, 1908.

Ser. No. 199,134. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed June 25, 1924.

EVERLITE

Particular description of goods.—Paints in Liquid or Ready-Mixed and Paste Forms and Paint Enamels.
Claims use since about January, 1916.

Ser. No. 199,138. (CLASS 37. PAPER AND STATIONERY.) GEORGE ZAIN, doing business as Crocker Pen Mfg. Company, Boston, Mass. Filed June 25, 1924.

SECRETARY

Particular description of goods.—Fountain Pens and Pencils.
Claims use since June 10, 1924.

Ser. No. 199,139. (CLASS 37. PAPER AND STATIONERY.) GEORGE ZAIN, doing business as Crocker Pen Mfg. Company, Boston, Mass. Filed June 25, 1924.

DEBUTANTE

Particular description of goods.—Fountain Pens and Pencils.
Claims use since June 10, 1924.

Ser. No. 199,162. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GUERLAIN PERFUMERY CORPORATION, Wilmington, Del. Filed June 26, 1924. Under ten-year proviso.

GUERLAIN

Particular description of goods.—Soaps.
Claims use since 1848.

Ser. No. 199,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCISZEK K. KRAKOWSKI, Carle Place, Long Island, N. Y. Filed June 26, 1924.



F. K. Krakowski

The portrait and autograph is that of applicant.
Particular description of goods.—Salve for Sores, Boils, Burns, and Wounds.
Claims use since June 7, 1924.

Ser. No. 199,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY SCARAMELLI, INC., New York, N. Y. Filed June 26, 1924.

HENRY

Particular description of goods.—Cheese.
Claims use since January, 1921.

Ser. No. 199,231. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE KONRAD SCHREIER CO., Sheboygan, Wis. Filed June 27, 1924.

OUTING SYRUPS

The word "Syrups" is disclaimed apart from the mark shown.
Particular description of goods.—Nonalcoholic, Maltless Sirups Used in the Preparation of Soft Drinks.
Claims use since June 3, 1924.

Ser. No. 199,247. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Airlite

Trade-mark consists of the word "Airlite."
Particular description of goods.—Arch Supports.
Claims use since early in 1910.

Ser. No. 199,255. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.



Without waiving any common-law right no claim is made for the shoe and arch support apart from the mark as shown. The mark consists of a fanciful picture of a girl placing arch support in shoes, as shown.
Particular description of goods.—Arch Supports.
Claims use since 1909.

Ser. No. 199,256. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

ZINO

Trade-mark consists of the word "Zino."
Particular description of goods.—Pads and Plasters for Corns, Bunions, and Calli.
Claims use since May 1, 1924.

Ser. No. 199,262. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HERBERT F. STAPLES, doing business as H. F. Staples & Co., Medford, Mass. Filed June 27, 1924.

LIN-O-WAX

Particular description of goods.—Floor Wax.
Claims use since June 1, 1922.

Ser. No. 199,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS LESCARBOURA, Athens, N. Y. Filed June 28, 1924.



Trade-mark comprising a purple band surrounding the bottom of a basket. No claim is made to the representation of a basket apart from the other features of the mark, without, however, waiving the common-law right to the use of this feature as an essential of the complete mark.

Particular description of goods.—Fresh Mushrooms.
Claims use since September, 1923.

Ser. No. 199,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY E. RENTZ, doing business as Re-Salve Company, Catonsville, Md. Filed June 28, 1924.



Particular description of goods.—Healing Ointment.
Claims use since June 16, 1924.

Ser. No. 199,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUM & BERGERON, Houma, La. Filed June 30, 1924.

Red Bug

Particular description of goods.—Canned Shrimp.
Claims use since May 22, 1924.

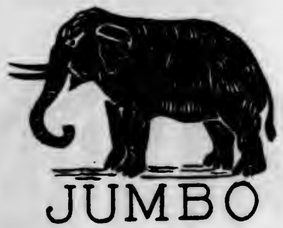
Ser. No. 199,342. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOS. L. BREDAR, doing business as Nic Bredar's Son Mfg. Co., Rock Island, Ill. Filed June 30, 1924.



No claim is made for the words "Drain Valve" apart from the mark shown in the drawing.

Particular description of goods.—Drain Valves for Automobiles.
Claims use since Aug. 15, 1923.

Ser. No. 199,362. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KOKEN COMPANIES, St. Louis, Mo. Filed June 30, 1924.



Particular description of goods.—Razor Strops.
Claims use since June 1, 1924.

Ser. No. 199,363. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KOKEN COMPANIES, St. Louis, Mo. Filed June 30, 1924.



Exclusive right to the word "Brand" is disclaimed.
Particular description of goods.—Razor Strops.
Claims use since 1912.

Ser. No. 199,365. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAGNAVOX CO., Oakland, Calif. Filed June 30, 1924.

MAGNAVOX

Particular description of goods.—Vacuum Tubes.
Claims use since Mar. 10, 1924.

Ser. No. 199,366. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAGNAVOX CO., Oakland, Calif. Filed June 30, 1924.



Particular description of goods.—Vacuum Tubes.
Claims use since Mar. 10, 1924.

Ser. No. 199,367. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAISONITE COMPANY, Cleveland, Ohio. Filed June 30, 1924.

"Maisonite"

Particular description of goods.—Polishes for Automobiles, Furniture, and Floors.
Claims use since on or about Sept. 15, 1923.

Ser. No. 199,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORREST H. SMITH, doing business as Korrene Chemical Company, Kinston, N. C. Filed June 30, 1924.



The picture shown in the drawing is fanciful. No claim is made herein to the exclusive use of the words "The Point of Danger" apart from the trade-mark shown.

Particular description of goods.—Mouth Wash and Preparation for the Treatment of Ulcerated Gums, Other Infections of the Mouth, Pyorrhea, Soft Bleeding Spongy Receding Gums, and for the Promotion and Maintenance of Tooth, Gum and Mouth Health and for Sore Throat and Tonsillitis.
Claims use since June 4, 1924.

Ser. No. 199,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN ESS LABORATORIES, INC., Chicago, Ill. Filed June 30, 1924.

CLEERO

Particular description of goods.—Shampoo.
Claims use since Apr. 9, 1917.

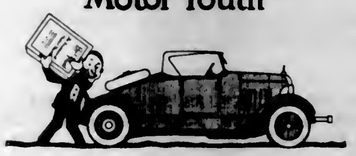
Ser. No. 199,412. (CLASS 37. PAPER AND STATIONERY.) ARTHUR C. YOUMANS, San Francisco, Calif. Filed June 30, 1924.

Particular description of goods.—Memorandum Books.
Claims use since June 12, 1924.

Ser. No. 199,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. STAHL COMPANY, St. Paul, Minn. Filed July 2, 1924.

Blitzen Fluid

"The Fountain of Motor Youth"



The applicant relinquishes all claim to the exclusive use of the word "Fluid" shown on its trade-mark.

Particular description of goods.—Fluid for the Treatment of Gasoline to Prevent Carbon from Depositing in the Motor, Eliminate Knocking in the Motor by Retarding the Explosion of the Gasoline in the Combustion Chamber of the Motor, Thereby Causing the Gasoline to be Burned More Slowly and Evenly, Giving Greater Power and Mileage to the Motor.
Claims use since May 1, 1924.

Ser. No. 199,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. M. ALBERSHEIM, Frankfort on the Main, Germany. Filed July 3, 124.

Khasana

Particular description of goods.—Cosmetics and Toilet Preparations—Namely, Toilet Water, Hair Wash, and Mouth Wash.
Claims use since July 28, 1906.

Ser. No. 199,560. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. LOMBARD, Paris, France. Filed July 3, 1924.

ALYDEA

Particular description of goods.—Perfumery.
Claims use since Oct. 6, 1922.

Ser. No. 199,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH OLIVER, St. Louis, Mo. Filed July 3, 1924.

HAWK EYE

Particular description of goods.—Pile Salve.
Claims use since Apr. 20, 1924.

Ser. No. 199,579. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) STANDARD CINEMA CORPORATION, New York, N. Y. Filed July 3, 1924.

FEATURETTE

Particular description of goods.—Motion-Picture Films.
Claims use since May 1, 1924.

Ser. No. 199,625. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INCANDESCENT SUPPLY COMPANY, New York, N. Y. Filed July 5, 1924.

POLETTE

Particular description of goods.—Electric Fixtures—Namely, Chandeliers, Wall Brackets, Table Lamps, Lanterns, Boudoir Lamps, Floor Lamps, Electroliers, Illuminators, Ceiling Lights, Pendant Lights, Shower Lights, Direct, Indirect, and Semidirect Lights.
Claims use since Nov. 1, 1923.

Ser. No. 199,635. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS H. LUTHER, Cincinnati, Ohio. Filed July 5, 1924.

M·H·LUTHER'S SPEE D HEAL OINTMENT

The words "M. H. Luther's Ointment" and "Heal" not being claimed apart from the other features of the mark.
Particular description of goods.—Ointment for Use in Treating Skin Diseases.
Claims use since June 28, 1924.

Ser. No. 199,694. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GUARANTY CYCLE COMPANY, St. Louis, Mo. Filed July 7, 1924.

STUTZ

In the drawing the lining of the border and word indicates the color "golden" and the lining of the background indicates the color "red."
Particular description of goods.—Bicycles, Tricycles, and Velocipedes.
Claims use since Jan. 1, 1923.

Ser. No. 199,746. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE & PERRELLI CANNING COMPANY, INC., Gilroy, Calif. Filed July 8, 1924.

ECLAT

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since May 7, 1924.

Ser. No. 199,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. B. WILLIAMS, doing business as C. B. Williams Company, San Francisco, Calif. Filed July 8, 1924.

SPARKLE

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Jan. 1, 1924.

Ser. No. 199,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH NELSON GAEHLER, doing business as King Mfg. Co., St. Louis, Mo. Filed July 9, 1924.

Pep-Elixo

Particular description of goods.—Medicinal Tonic for Relief of Dyspepsia, Indigestion, Rheumatism, Heart Trouble, Constipation, and Kidney and Bladder Ailments.
Claims use since June 11, 1924.

Ser. No. 199,843. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JEROME LUKINOVICH, New Orleans, La. Filed July 10, 1924.



Particular description of goods.—Mops and Brooms.
Claims use since January, 1922.

Ser. No. 199,844. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JEROME LUKINOVICH, New Orleans, La. Filed July 10, 1924.



Particular description of goods.—Mops and Brooms.
Claims use since January, 1922.

Ser. No. 199,861. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHARP & DOHME, Baltimore, Md.; New York, N. Y.; Chicago, Ill.; New Orleans, La.; St. Louis and Kansas City, Mo.; Atlanta, Ga.; Philadelphia, Pa.; and San Francisco, Calif. Filed July 10, 1924.

CAPROKOL

Particular description of goods.—Germicide for Treating Cystitis and Pyelitis.
Claims use since June 25, 1924.

Ser. No. 199,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. D. STEWART, doing business as Trinity Medicine Co., Dallas, Tex. Filed July 10, 1924.

Femo-Eze

Particular description of goods.—Preparation for Use in Cases of Painful Menstruation.
Claims use since July 1, 1924.

Ser. No. 199,896. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOCQ, BURNIER & CIE., INC., New York, N. Y. Filed July 11, 1924.

Eraine

Particular description of goods.—Perfume Extracts, Toilet Waters, Compacts, Lip Rouge, Eyebrow Pencils, Cold Creams, Vanishing Creams, Face Powders, Talcum Powders, Eau de Cologne, Face Lotions, and Dentifrice.
Claims use since Sept. 1, 1917.

Ser. No. 199,899. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEERLESS RADIO CORPORATION, Wellesley and Newton Lower Falls, Mass. Filed July 11, 1924.

TWIN-AUD

Particular description of goods.—Transformers, Radio Receiving and Sending Sets, Amplifiers, Rheostats, Variometers, Variocouplers, and Wave Traps.
Claims use since Apr. 21, 1924.

Ser. No. 199,932. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Filed July 12, 1924.

KLEENEX

Particular description of goods.—Absorbent Pads or Sheets for Removing Cold Cream.
Claims use since June 12, 1924

Ser. No. 199,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY J. LICKING, San Antonio, Tex. Filed July 12, 1924.

Licking's German Discovery

"878"



The words "Licking's German Discovery" are disclaimed apart from the other features of the mark. Trade-mark includes portrait of applicant.
Particular description of goods.—Blood-Purifying Medicine.
Claims use since Feb. 20, 1922.

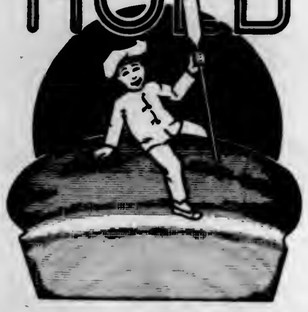
Ser. No. 199,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed July 14, 1924.



Particular description of goods.—Wheat Flour.
Claims use since Apr. 9, 1924.

Ser. No. 199,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed July 14, 1924.

STRONG HOLD



Particular description of goods.—Wheat Flour.
Claims use since Dec. 13, 1923.

Ser. No. 199,996. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KINESTHETIC PROCESS CO., INC., Long Island City, N. Y. Filed July 14, 1924.



Particular description of goods.—Golf Balls.
Claims use since May 1, 1915.

Ser. No. 200,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY D'ESTE PERCH, New York, N. Y. Filed July 16, 1924.



Particular description of goods.—Perfumes, Toilet Powders, Pomades, Lip Sticks, Lip Salves, Rouge, Talcum Powders, and Bath Salts.
Claims use since 1911.

Ser. No. 200,109. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE L. & R. COMPANY, Providence, R. I. Filed July 16, 1924.

BURNET'S
TOWN TALK

Particular description of goods.—Handkerchiefs.
Claims use since October, 1921.

Ser. No. 200,112. (CLASS 7. CORDAGE.) MORICE TWINE MILLS CORPORATION, New York, N. Y. Filed July 16, 1924.

RADIO

Particular description of goods.—Twine.
Claims use since Jan. 1, 1923.

Ser. No. 200,125. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE STEEL STAMPING COMPANY, Lorain, Ohio. Filed July 16, 1924.

DIAL-O-PHONE

Particular description of goods.—Toy Telephones.
Claims use since about Feb. 1, 1924.

Ser. No. 200,167. (CLASS 7. CORDAGE.) AJAX ROPE COMPANY, INC., New York, N. Y. Filed July 18, 1924.

AJACO

Particular description of goods.—Manila and Sisal Rope.
Claims use since Jan. 1, 1920.

Ser. No. 200,168. (CLASS 7. CORDAGE.) AJAX ROPE COMPANY, INC., New York, N. Y. Filed July 18, 1924.

WERWEL

Particular description of goods.—Drilling Cable and Transmission Rope.
Claims use since Jan. 1, 1920.

Ser. No. 200,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. R. BOHRER, doing business as Lechal Chemical Co., West Plains, Mo. Filed July 18, 1924.

INTERNO

Particular description of goods.—Mange Remedy.
Claims use since Sept. 30, 1922.

Ser. No. 200,196. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass. Filed July 18, 1924.

HYDROIL

Particular description of goods.—Internal-Grinding Machines.
Claims use since Feb. 28, 1922.

Ser. No. 200,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE J. MUELLER, INC., Washington, D. C. Filed July 18, 1924.

MATINEE



Particular description of goods.—Candy.
Claims use since 1907.

Ser. No. 200,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCIENTIFIC PRODUCTS, INC., Chicago, Ill. Filed July 18, 1924.

TRIM

Particular description of goods.—Water Softener and Cleansing Compound.
Claims use since June 27, 1924.

Ser. No. 200,243. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 19, 1924.

BRADCRÉPA

Trade-mark consists of the word "BraDcrépA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since June 15, 1924.

Ser. No. 200,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLVIN'S CONFECTIONERY, Los Angeles, Calif. Filed July 19, 1924.

Bonnie Jean

Particular description of goods.—Chocolates, Bonbons, and All Other Kinds of Candies.
Claims use since about December, 1922.

Ser. No. 200,275. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE NEW JERSEY ZINC COMPANY, Newark and Franklin Borough, N. J. Filed July 19, 1924.

40-40-20

Particular description of goods.—Mixed Paint and Paint Paste.
Claims use since Mar. 13, 1924.

Ser. No. 200,283. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 19, 1924.

RELIANCE

Particular description of goods.—Road-Grading Machines.
Claims use since June 21, 1915.

Ser. No. 200,284. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 19, 1924.

SUPER-RELIANCE

Particular description of goods.—Road-Grading Machines.
Claims use since July 31, 1923.

Ser. No. 200,285. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 19, 1924.

SUPER-MOGUL

Particular description of goods.—Road-Grading Machines.
Claims use since Jan. 17, 1922.

Ser. No. 200,286. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 19, 1924.

BADGER

Particular description of goods.—Road-Grading Machines.
Claims use since Jan. 9, 1923.

Ser. No. 200,287. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 19, 1924.

MOGUL

Particular description of goods.—Road-Grading Machines.
Claims use since Nov. 20, 1913.

Ser. No. 200,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. D. BAYLEY, trustee of The E. W. Ross Company, Springfield, Ohio. Filed July 21, 1924. Under ten-year proviso.

ROSS

Particular description of goods.—Ensilage Cutters.
Claims use since 1850.

Ser. No. 200,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif. Filed July 21, 1924.

Dawnland

Particular description of goods.—Candy.
Claims use since June 20, 1924.

Ser. No. 200,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EVERETT MILLS, Lawrence and Boston, Mass. Filed July 22, 1924.

EVERPLAY

The word "Everplay" is printed in red—that is, the letters are filled in in red, as indicated on the drawing upon which the trade-mark is shown.
Particular description of goods.—Cotton Piece Goods.
Claims use since about Mar. 1, 1924.

Ser. No. 200,637. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE PENSLAR COMPANY, Detroit, Mich. Filed July 28, 1924.

Mag-lac

Particular description of goods.—Toothbrushes.
Claims use since July 14, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 2, 1924.

188,574. BRICK. POSTON BRICK COMPANY, Springfield, Ill.
Filed March 9, 1923. Serial No. 177,198. PUBLISHED JUNE 10, 1924.

188,575. EARRINGS, HATPINS, BROOCHES, RINGS, NECKLACES, AND BRACELETS. MILLER BROTHERS, New York, N. Y.
Filed March 1, 1923. Serial No. 176,800. PUBLISHED MAY 8, 1923.

188,576. BROW STICKS, LIP STICKS, ROUGE, CLAY PACK, AND CREAM. NORMAS COSMETIC DISTRIBUTING CO., doing business as The Norma Cosmetics, Brooklyn, N. Y.
Filed February 14, 1923. Serial No. 176,033. PUBLISHED JUNE 17, 1924.

188,577. TEMPERATURE AND DRAFT REGULATING AND CONTROLLING INSTRUMENTS IN THE FORM OF THERMOSTATS. THE HONEYWELL HEATING SPECIALTIES COMPANY, Wabash, Ind.
Filed February 1, 1923. Serial No. 175,395. PUBLISHED SEPTEMBER 11, 1923.

188,578. STUFFING-BOX PACKING COMPRISING REDUCED LIGNUMVITÆ. CEE-DEE MFG. CO., New York, N. Y.
Filed January 3, 1923. Serial No. 174,125. PUBLISHED JUNE 3, 1924.

188,579. STUFFING-BOX PACKING COMPRISING REDUCED LIGNUMVITÆ. CEE-DEE MFG. CO., New York, N. Y.
Filed December 30, 1922. Serial No. 173,996. PUBLISHED JUNE 10, 1924.

188,580. STUFFING-BOX PACKING COMPRISING REDUCED LIGNUMVITÆ. CEE-DEE MFG. CO., New York, N. Y.
Filed December 30, 1922. Serial No. 173,995. PUBLISHED JUNE 10, 1924.

188,581. WATCHCASES. AMERICAN WATCH IMPORT COMPANY, Detroit, Mich.
Filed December 23, 1922. Serial No. 173,736. PUBLISHED APRIL 24, 1923.

188,582. RETREADED AUTOMOBILE TIRES OF RUBBER AND FABRIC. HUNTINGTON RUBBER MILLS, Portland, Oreg.
Filed November 13, 1922. Serial No. 171,919. PUBLISHED JUNE 10, 1924.

188,583. COOKING OIL MADE FROM COTTONSEED OIL. FRANK A. BOWLES, also doing business as Bowles Bros., Los Angeles, Calif.
Filed November 13, 1922. Serial No. 171,897. PUBLISHED SEPTEMBER 18, 1923.

188,584. AUTOMOBILE VISORS. GRIGSBY-GRUNOW-HINDS CO., Chicago, Ill.
Filed November 2, 1922. Serial No. 171,494. PUBLISHED MAY 27, 1924.

188,585. PISTON RINGS. GILL MANUFACTURING COMPANY, Chicago, Ill.
Filed October 23, 1922. Serial No. 171,075. PUBLISHED JUNE 17, 1924.

188,586. RADIO APPARATUS. HERBERT H. FROST, Chicago, Ill.
Filed September 30, 1922. Serial No. 170,133. PUBLISHED JUNE 17, 1924.

188,587. RADIO APPARATUS. HERBERT H. FROST, Chicago, Ill.
Filed September 30, 1922. Serial No. 170,132. PUBLISHED JUNE 17, 1924.

188,588. INGREDIENT USED IN FOOD BEVERAGES OR COOKING. DOUGLAS & BURNS, LTD., Des Moines, Iowa.
Filed August 18, 1922. Serial No. 168,402. PUBLISHED SEPTEMBER 11, 1923.

188,589. SILVER-PLATED TABLE AND HOLLOW WARE AND ARTICLES PLATED WITH PRECIOUS METALS. T. N. BENEDICT MFG. CO., East Syracuse, N. Y.
Filed August 1, 1922. Serial No. 167,671. PUBLISHED SEPTEMBER 4, 1923.

188,590. ELASTIC VEHICLE TIRES. SEIBERLING RUBBER COMPANY, Akron, Ohio.
Filed May 26, 1922. Serial No. 164,563. PUBLISHED JUNE 10, 1924.

188,591. ELECTRIC INSULATORS. TRENTON PORCELAIN COMPANY, Trenton, N. J.
Filed April 27, 1922. Serial No. 163,014. PUBLISHED JUNE 17, 1924.

188,592. INSULATORS FOR LIGHTNING ARRESTERS. TRENTON PORCELAIN COMPANY, Trenton, N. J.
Filed April 27, 1922. Serial No. 163,013. PUBLISHED JUNE 17, 1924.

188,593. CARBONIZED FUEL AND COKE. THE CITY ICE & FUEL COMPANY, Cleveland, Ohio.
Filed February 23, 1922. Serial No. 159,696. PUBLISHED JUNE 17, 1924.

188,594. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 8, 1924. Serial No. 195,194. PUBLISHED JUNE 10, 1924.

188,595. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 8, 1924. Serial No. 195,193. PUBLISHED JUNE 10, 1924.

188,596. RADIO RECEIVING SETS. GEORGE A. TURNER, Stockton, Calif.
Filed April 7, 1924. Serial No. 195,143. PUBLISHED JUNE 17, 1924.

188,597. CARD TABLES. METAL STAMPINGS CORPORATION, Streator, Ill.
Filed April 7, 1924. Serial No. 195,116. PUBLISHED JUNE 10, 1924.

188,598. PHOTOGRAPHS. AIRMAP CORPORATION OF AMERICA, New York, N. Y.
Filed April 7, 1924. Serial No. 195,088. PUBLISHED MAY 27, 1924.

188,599. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 5, 1924. Serial No. 195,079. PUBLISHED JUNE 10, 1924.

188,600. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 5, 1924. Serial No. 195,078. PUBLISHED JUNE 10, 1924.

188,601. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN Bros. Co., Chicago, Ill.
Filed April 5, 1924. Serial No. 195,077. PUBLISHED JUNE 10, 1924.

188,602. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN Bros. Co., Chicago, Ill.
Filed April 5, 1924. Serial No. 195,076. PUBLISHED JUNE 10, 1924.

188,603. COLLAR BUTTONS WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS. B. A. BALLOU & Co. INC., Providence, R. I.
Filed April 5, 1924. Serial No. 195,044. PUBLISHED JUNE 17, 1924.

188,604. SILVER HOLLOW WARE. BERNARD RICE'S SONS, INC., New York, N. Y.
Filed April 4, 1924. Serial No. 195,019. PUBLISHED JUNE 17, 1924.

188,605. SHOE, CORSET, UNDERWEAR, AND BLOUSE LACINGS; GALLOONS AND BRAIDS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed April 4, 1924. Serial No. 194,997. PUBLISHED JUNE 10, 1924.

188,606. CERTAIN TOILET PREPARATIONS. THE BALDWIN PERFUMERY CO., Chicago, Ill.
Filed April 4, 1924. Serial No. 194,972. PUBLISHED JUNE 17, 1924.

188,607. CANDIES. W. G. WISE FRUIT CHOCOLATE CO., Oakland, Calif.
Filed April 3, 1924. Serial No. 194,966. PUBLISHED JUNE 17, 1924.

188,608. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. SAVOY WATCH CO., INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,951. PUBLISHED JUNE 17, 1924.

188,609. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. SAVOY WATCH CO., INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,950. PUBLISHED JUNE 17, 1924.

188,610. RADIO TRANSFORMERS AND HOT PLATES (ELECTRIC STOVES AND TOASTERS). NATIONAL TRANSFORMER MFG. CO., Chicago, Ill.
Filed April 3, 1924. Serial No. 194,936. PUBLISHED JUNE 17, 1924.

188,611. SHADE TASSELS MADE OF TEXTILE MATERIALS. F. W. MAURER & SONS CO., Philadelphia, Pa.
Filed April 3, 1924. Serial No. 194,932. PUBLISHED JUNE 10, 1924.

188,612. VARIABLE CONDENSERS. CHELTEN ELECTRIC COMPANY, Philadelphia, Pa.
Filed April 3, 1924. Serial No. 194,908. PUBLISHED JUNE 17, 1924.

188,613. COAL, WOOD, AND GAS STOVES. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed April 2, 1924. Serial No. 194,890. PUBLISHED JUNE 17, 1924.

188,614. TELEPHONE SILENCERS. SYLVESTER T. COHANE, doing business as Park Mfg. Co., Hartford, Conn.
Filed August 6, 1923. Serial No. 184,122. PUBLISHED DECEMBER 18, 1923.

188,615. INNER TUBES, PNEUMATIC TIRES, CORD TIRES, AND FABRIC TIRES. THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed August 29, 1923. Serial No. 185,108. PUBLISHED MAY 27, 1924.

188,616. CERTAIN TOILET PREPARATIONS. MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer and said Marguerite Sullivan, Copartners, doing business as Domino House, Philadelphia, Pa.
Filed July 3, 1923. Serial No. 182,779. PUBLISHED JUNE 17, 1924.

188,617. WATCH MOVEMENTS. MORRIS ROSENBLOOM & Co., doing business as Strom Watch Co., Rochester, N. Y.
Filed June 15, 1923. Serial No. 182,064. PUBLISHED JUNE 17, 1924.

188,618. MOTOR-CAR BODIES, PARTS, AND ACCESSORIES — NAMELY, MUD GUARDS, WINDSHIELDS, HOODS, COLLAPSIBLE SEATS, AND BAGGAGE HOLDERS. CARROSSERIE VAN DEN PLAS SOCIÉTÉ ANONYME, Brussels, Cinquantenaire, Belgium.
Filed March 22, 1923. Serial No. 177,830. PUBLISHED JUNE 17, 1924.

188,619. MOTOR CAR BODIES, PARTS, AND ACCESSORIES—NAMELY, MUD GUARDS, WINDSHIELDS, HOODS, COLLAPSIBLE SEATS, AND BAGGAGE HOLDERS. CARROSSERIE VAN DEN PLAS, SOCIÉTÉ ANONYME, Brussels, Cinquantenaire, Belgium.
Filed March 22, 1923. Serial No. 177,829. PUBLISHED JUNE 17, 1924.

188,620. SPARK PLUGS FOR ENGINES. CHARLES SCHMIDT, doing business as H. S. Manufacturing Co., McKees Rocks, Pa.
Filed November 24, 1923. Serial No. 188,863. PUBLISHED APRIL 29, 1924.

188,621. ELECTRIC SUCTION CLEANERS. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 19, 1923. Serial No. 188,518. PUBLISHED JUNE 17, 1924.

188,622. NARROW ELASTIC WEBBING BIAS TAPE, COMBS, SNAP FASTENERS, HOOKS AND EYES, SHOE LACES, BRAIDS, AND TRIMMINGS. BERG BROTHERS, New York, N. Y.
Filed November 10, 1923. Serial No. 188,177. PUBLISHED JUNE 10, 1924.

188,623. ARTISTS' CANVASES. E. H. & A. C. FRIEDRICHS CO., New York, N. Y.
Filed November 6, 1923. Serial No. 188,050. PUBLISHED JUNE 17, 1924.

188,624. SCARFS, SWEATERS, MUFFLERS, SHAWLS, KNITTED HEADWEAR, AND FANCY KNIT GOODS. THE LION KNITTING MILLS COMPANY, Cleveland, Ohio.
Filed October 27, 1923. Serial No. 187,582. PUBLISHED JUNE 3, 1924.

188,625. ANTISEPTIC DOUCHE POWDER. W. D. STROUD, Ratcliff, Ark.
Filed October 17, 1923. Serial No. 187,141. PUBLISHED JUNE 17, 1924.

188,626. COAL. C. L. RYLEY COAL COMPANY, INC., Lexington, Ky.
Filed September 21, 1923. Serial No. 186,027. PUBLISHED JUNE 17, 1924.

188,627. HAND TRUCKS. THE STURDI-TRUCK MANUFACTURING CO., Wilmington, Del.
Filed January 28, 1924. Serial No. 191,419. PUBLISHED JUNE 10, 1924.

188,628. DENTIFRICES. DANIEL HALLY-SMITH, Paris, France.
Filed January 19, 1924. Serial No. 191,020. PUBLISHED JUNE 24, 1924.

188,629. ROUGES AND FACE POWDER. THE POMPEIAN MFG. COMPANY, Cleveland, Ohio.
Filed January 18, 1924. Serial No. 190,976. PUBLISHED JUNE 17, 1924.

188,630. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. PACKARD MOTOR CAR COMPANY, Detroit, Mich.
Filed December 20, 1923. Serial No. 189,946. PUBLISHED JUNE 10, 1924.

188,631. RADIO RECEIVING SETS CONSISTING OF CABINET AND CONTENTS. UNITED CIGAR STORES CO. OF AMERICA, New York, N. Y.
Filed December 19, 1923. Serial No. 189,924. PUBLISHED JUNE 17, 1924.

188,632. CUSHIONS. E. BROOK BRANTLY AND WILLIAM E. NORVELL, Jr., Chattanooga, Tenn.
Filed December 10, 1923. Serial No. 189,445. PUBLISHED JUNE 10, 1924.

188,633. MONTHLY MAGAZINE. BUILDING AGE AND THE BUILDERS' JOURNAL, New York, N. Y.
Filed November 26, 1923. Serial No. 188,886. PUBLISHED JUNE 10, 1924.

188,634. DRUGGISTS' GLASSWARE. JAMES P. RICHARDS, Toronto, Ontario, Canada.
Filed February 9, 1923. Serial No. 175,907. PUBLISHED JUNE 24, 1924.

188,635. MEDICINES FOR RHEUMATISM, INDIGESTION, FEMALE WEAKNESS, AND MALARIA. JAMES F. FARMER, doing business as James F. Farmer Chemical Mfg. Co., Memphis, Tenn.
Filed January 11, 1923. Serial No. 174,431. PUBLISHED JUNE 17, 1924.

188,636. OINTMENT FOR OPEN WOUNDS AND ERUPTIONS OF THE SKIN. FRANCIS E. SUNDEN, doing business as The Turoline Co., Spokane, Wash.
Filed March 5, 1923. Serial No. 177,024. PUBLISHED JUNE 17, 1924.

188,637. DRESSING FOR CUTS OR WOUNDS WHERE SEPTIC INFECTION IS PROBABLE. WALTER J. PICARD, doing business as Picard Medicine Company, Detroit, Mich.
Filed March 28, 1923. Serial No. 178,187. PUBLISHED JUNE 17, 1924.

188,638. MEDICINE FOR USE IN THE TREATMENT OF EMPTYING AND TONING THE COLON. COLOTONE LABORATORIES, Griffin, Ga.
Filed July 2, 1923. Serial No. 182,702. PUBLISHED JUNE 17, 1924.

188,639. CERTAIN TOILET PREPARATIONS. MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer and said Marguerite Sullivan, copartners, doing business as Domino House, Philadelphia, Pa.
Filed July 3, 1923. Serial No. 182,780. PUBLISHED JUNE 17, 1924.

188,640. RING SPINNING AND TWISTING TRAVELERS. NATIONAL RING TRAVELER CO., Providence, R. I.
Filed December 19, 1923. Serial No. 189,910. PUBLISHED JUNE 24, 1924.

188,641. ALL WOOL TEXTILE PIECE GOODS. W. H. HOLBROOK COMPANY, Boston, Mass.
Filed January 19, 1924. Serial No. 191,018. PUBLISHED JUNE 24, 1924.

188,642. BELT-POWER-TRANSMISSION APPARATUS AND PARTS THEREOF. BIRD MACHINE COMPANY, South Walpole, Mass.
Filed February 8, 1924. Serial No. 192,005. PUBLISHED JUNE 24, 1924.

188,643. KNITTED SILK FABRICS. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed February 9, 1924. Serial No. 192,056. PUBLISHED JUNE 24, 1924.

188,644. KITCHEN KNIVES. JOSEPH ROSS & COMPANY, Irvington, N. J.
Filed February 19, 1924. Serial No. 192,546. PUBLISHED JUNE 24, 1924.

188,645. CERTAIN ELECTRICAL MEASURING INSTRUMENTS. JEWELL ELECTRICAL INSTRUMENT CO., Chicago, Ill.
Filed February 20, 1924. Serial No. 192,574. PUBLISHED JUNE 24, 1924.

188,646. MEDICINAL TABLET. BEELER & JARRETT, Akron, Ohio.
Filed February 25, 1924. Serial No. 192,751. PUBLISHED JUNE 24, 1924.

188,647. SILK PIECE GOODS. S. R. HALL & Co., INC., New York, N. Y.
Filed February 25, 1924. Serial No. 192,768. PUBLISHED JUNE 24, 1924.

188,648. SWITCH STANDS. RAMAPO AJAX CORPORATION, New York, N. Y.
Filed February 26, 1924. Serial No. 192,856. PUBLISHED JUNE 24, 1924.

188,649. ADJUSTABLE SHADE SUPPORT. LOUIS SACKS, Hempstead, N. Y.
Filed February 26, 1924. Serial No. 192,858. PUBLISHED JUNE 24, 1924.

188,650. TABLE KNIVES AND CARVING KNIVES MADE OF NONPRECIOUS METAL. ONEIDA COMMUNITY, LTD., Oneida, N. Y.
Filed February 27, 1924. Serial No. 192,924. PUBLISHED JUNE 24, 1924.

188,651. SERIES OF CARTOONS. FONTAINE FOX, New York, N. Y.
Filed March 1, 1924. Serial No. 193,098. PUBLISHED JUNE 10, 1924.

188,652. COMFORTERS AND FURNITURE-LOOSING PADS. EMPIRE MATTRESS COMPANY, Chicago, Ill.
Filed March 6, 1924. Serial No. 193,329. PUBLISHED JUNE 24, 1924.

188,653. PREPARATION FOR DIABETES. THE LAFAYETTE PHARMACAL CO., Lafayette, Ind.
Filed March 6, 1924. Serial No. 193,341. PUBLISHED JUNE 24, 1924.

188,654. MEDICINES FOR THE DISEASES OF THE NERVOUS SYSTEM. SMITH, KLINE & FRENCH CO., Philadelphia, Pa.
Filed March 29, 1924. Serial No. 194,641. PUBLISHED JUNE 24, 1924.

188,655. CONE WINDERS, TUBE WINDERS, AND GASSING MACHINES FOR YARN, THREAD, CORD, TWINE, AND THE LIKE. FOSTER MACHINE COMPANY, Westfield, Mass.
Filed April 19, 1924. Serial No. 195,813. PUBLISHED JUNE 24, 1924.

188,656. CERTAIN TOILET PREPARATIONS. M. ROUSSEL, doing business as Parfumerie Silka, Paris, France.
Filed April 18, 1924. Serial No. 195,774. PUBLISHED JUNE 24, 1924.

188,657. OINTMENT OR SALVE FOR TIRED, ACHING, PAINFUL FEET. HARRY H. MAYER, Brooklyn, N. Y.
Filed April 18, 1924. Serial No. 195,754. PUBLISHED JUNE 24, 1924.

188,658. PREPARATION FOR THE TREATMENT OF ECZEMA. JOHN B. JONES, Esom Hill, Ga.
Filed April 18, 1924. Serial No. 195,747. PUBLISHED JUNE 24, 1924.

188,659. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed April 18, 1924. Serial No. 195,746. PUBLISHED JUNE 24, 1924.

188,660. CANVAS PULLEY COVERING. ELMER E. HAWES, New York, N. Y.
Filed April 17, 1924. Serial No. 195,686. PUBLISHED JUNE 24, 1924.

188,661. PERIODICAL PUBLISHED WEEKLY. THE LIVING AGE COMPANY, Boston, Mass.
Filed April 15, 1924. Serial No. 195,584. PUBLISHED JUNE 17, 1924.

188,662. TOOLS, COMPRISING METAL PUNCHES AND PARTS THEREOF, PUNCH DIES, AND CHUCK-OPERATED AND BORING AND DRILLING TOOLS. W. A. WHITNEY MANUFACTURING COMPANY, Rockford, Ill.
Filed April 14, 1924. Serial No. 195,560. PUBLISHED JUNE 24, 1924.

188,663. CERTAIN NAMED DRESS GOODS IN THE PIECE. M. SILVERMAN & SON, Philadelphia, Pa.
Filed April 14, 1924. Serial No. 195,544. PUBLISHED JUNE 24, 1924.

188,664. PERIODICAL PUBLICATION. PATRIOTIC AMERICAN PUBLISHING COMPANY, Pittsburgh, Pa.
Filed April 14, 1924. Serial No. 195,537. PUBLISHED JUNE 17, 1924.

188,665. PUBLICATION ISSUED AT REGULAR INTERVALS. GLASCO-ELECTRIC CO., St. Louis, Mo.
Filed April 14, 1924. Serial No. 195,512. PUBLISHED JUNE 17, 1924.

188,666. TONIC LAXATIVE. VIRGINIA DARE EXTRACT CO. INC., Brooklyn, N. Y.
Filed April 12, 1924. Serial No. 195,437. PUBLISHED JUNE 24, 1924.

188,667. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,381. PUBLISHED JUNE 24, 1924.

188,668. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,379. PUBLISHED JUNE 24, 1924.

188,669. MONTHLY MAGAZINE. REINCKE-ELLIS COMPANY, Chicago, Ill.
Filed April 10, 1924. Serial No. 195,302. PUBLISHED JUNE 17, 1924.

188,670. SAW SETS. THE STANLEY WORKS, New Britain, Conn.
Filed April 9, 1924. Serial No. 195,242. PUBLISHED JUNE 24, 1924.

188,671. INSECTICIDES. MUSKOGEE CHEMICAL MANUFACTURING COMPANY, Muskogee, Okla.
Filed April 9, 1924. Serial No. 195,234. PUBLISHED JUNE 24, 1924.

188,672. MONTHLY MAGAZINE. NEW METROPOLITAN FICTION, INC., New York, N. Y.
Filed April 8, 1924. Serial No. 195,178. PUBLISHED JUNE 17, 1924.

188,673. MONTHLY MAGAZINE. CONSTRUCTIVE PUBLISHING CORPORATION, New York, N. Y.
Filed April 8, 1924. Serial No. 195,157. PUBLISHED JUNE 17, 1924.

188,674. SALVE FOR EXTERNAL APPLICATION TO SORES, BURNS, BOILS, PILES, ECZEMA, POISON OAK, IRRITATIONS, AND DISEASES OF THE SKIN. IDA M. CALDWELL, Baltimore, Md.
Filed April 8, 1924. Serial No. 195,152. PUBLISHED JUNE 17, 1924.

188,675. OINTMENT FOR BURNS, CUTS, BRUISES, FELONS, STIES, BOILS, CARBUNCLES, BLOOD POISON, PROUD FLESH, SCRATCHES, OR SORES OF ANY KIND. LEROY LABORATORIES, INC., Orange, N. J.
Filed April 19, 1924. Serial No. 195,823. PUBLISHED JUNE 24, 1924.

188,676. OIL-WELL WORKING BARRELS. BRADFORD MOTOR WORKS, Bradford, Pa.
Filed April 21, 1924. Serial No. 195,859. PUBLISHED JUNE 24, 1924.

188,677. COTTON BATS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 22, 1924. Serial No. 195,942. PUBLISHED JUNE 24, 1924.

188,678. SATEENS AND LININGS IN THE PIECE. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 22, 1924. Serial No. 195,943. PUBLISHED JUNE 24, 1924.

188,679. COTTON BATS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 22, 1924. Serial No. 195,945. PUBLISHED JUNE 24, 1924.

188,680. COTTON BATS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 22, 1924. Serial No. 195,946. PUBLISHED JUNE 24, 1924.

188,681. MONTHLY PUBLICATION. TONCAN METAL CULVERT ASSOCIATION, Canton, Ohio.
Filed April 26, 1924. Serial No. 196,215. PUBLISHED JUNE 17, 1924.

188,682. LINEN PIECE GOODS. WASHINGTON LINEN IMPORTING CO., INC., Washington, D. C.
Filed April 29, 1924. Serial No. 196,326. PUBLISHED JUNE 24, 1924.

188,683. PERIODICAL DEVOTED TO THE FURNITURE TRADE ISSUED MONTHLY. R. C. BANKER & COMPANY, Detroit, Mich.
Filed April 30, 1924. Serial No. 196,327. PUBLISHED JUNE 17, 1924.

188,684. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 30, 1924. Serial No. 196,328. PUBLISHED JUNE 24, 1924.

188,685. PLUSHES IN THE PIECE. THE HIND & HARRISON PLUSH COMPANY, Clark Mills and New York, N. Y.
Filed April 30, 1924. Serial No. 196,342. PUBLISHED JUNE 24, 1924.

188,686. COMBINATION OF DESICCATED HYPOPHYSIS CEREBRI AND EPHINEPHRIN IN PHYSIOLOGICAL SALT SOLUTION AND CONTAINING CHLORBUTANOL (CHLO. DER.) USED AS A LOCAL ANESTHETIC IN THE TREATMENT OF ASTHMA, PNEUMONIA, HAY FEVER, PUT UP IN HYPOSOLS AND CAPSULE FORM. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed May 1, 1924. Serial No. 196,371. PUBLISHED JUNE 17, 1924.

188,687. UNCOATED PULVEROUS TABLETS USED IN THE TREATMENT FOR DIABETES. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y.
Filed May 1, 1924. Serial No. 196,372. PUBLISHED JUNE 17, 1924.

188,688. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed May 1, 1924. Serial No. 196,374. PUBLISHED JUNE 24, 1924.

188,689. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed May 1, 1924. Serial No. 196,380. PUBLISHED JUNE 24, 1924.

188,690. PERIODICAL PUBLISHED MONTHLY. THE HOUSE BEAUTIFUL PUBLISHING COMPANY, INC., New York, N. Y., and Boston, Mass.
Filed May 1, 1924. Serial No. 196,389. PUBLISHED JUNE 17, 1924.

188,691. PUBLICATION ISSUED MONTHLY. INSURANCE PICTORIAL, San Francisco, Calif.
Filed May 1, 1924. Serial No. 196,390. PUBLISHED JUNE 17, 1924.

188,692. DISINFECTANT. THE SULPHO-NAPTHOL COMPANY, Boston, Mass.
Filed May 1, 1924. Serial No. 196,412. PUBLISHED JUNE 17, 1924.

188,693. CERTAIN NAMED TEXTILES. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed May 3, 1924. Serial No. 196,507. PUBLISHED JUNE 24, 1924.

188,694. REMEDY FOR ACID STOMACH, HEARTBURN, INDIGESTION, DYSPEPSIA, AND NAUSEA. HANCE BROTHERS & WHITE, INCORPORATED, Philadelphia, Pa.
Filed May 3, 1924. Serial No. 196,520. PUBLISHED JUNE 17, 1924.

188,695. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed May 3, 1924. Serial No. 196,531. PUBLISHED JUNE 24, 1924.

188,696. HAIR TONIC AND SOAP BARK FOR HAIR. LOUIS TEPLITZ, doing business as Lady Elty & Co., Philadelphia, Pa.
Filed May 3, 1924. Serial No. 196,557. PUBLISHED JUNE 17, 1924.

188,697. INSECTICIDES. DOWNS MILLS, doing business as The Fiddle Manufacturing Company, Savannah, Ga.
Filed February 2, 1923. Serial No. 175,434. PUBLISHED JUNE 24, 1924.

188,698. HOG REMEDIES. EDWARD G. CHINBURG, doing business as Sifford Hog Remedy Co., Craig, Nebr.
Filed March 29, 1923. Serial No. 178,223. PUBLISHED JUNE 24, 1924.

188,699. CANNED BERRIES, FRUITS, AND VEGETABLES. EVERETT FRUIT PRODUCTS COMPANY, Everett, Wash.
Filed March 21, 1924. Serial No. 194,170. PUBLISHED JUNE 24, 1924.

188,700. FISH IN TINS. THE R. B. BOAK COMPANY, Chicago, Ill.
Filed March 24, 1924. Serial No. 194,332. PUBLISHED JUNE 24, 1924.

188,701. SALTED PEANUTS. THE SUPERIOR PEANUT CO., Cleveland, Ohio.
Filed March 29, 1924. Serial No. 194,678. PUBLISHED JUNE 24, 1924.

188,702. CANDY. THE ALLEN CANDY CO., Pontiac, Ill.
Filed April 12, 1924. Serial No. 195,431. PUBLISHED JUNE 24, 1924.

188,703. CANDY IN BAR FORM. CHARLES ARNOLD, doing business as Arnold's and Chas. Arnold & Sons, Peru, Ind.
Filed May 14, 1924. Serial No. 196,997. PUBLISHED JUNE 24, 1924.

188,704. CANNED VEGETABLES. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis.
Filed May 14, 1924. Serial No. 197,038. PUBLISHED JUNE 24, 1924.

188,705. COATED TEXTILE FABRICS—VIZ, IMITATION-LEATHER CLOTH, ENAMELED CLOTH, AND RUBBERIZED CLOTH. COATED TEXTILE MILLS, INC., Providence, R. I.
Filed January 29, 1924. Serial No. 191,427. PUBLISHED JUNE 17, 1924.

188,706. RADIO RECEIVING SETS, LOUD SPEAKERS, AND HORNS FOR USE IN RADIORECEIVING. MORRISON LABORATORIES, INC., Detroit, Mich.
Filed January 30, 1924. Serial No. 191,499. PUBLISHED JUNE 17, 1924.

188,707. RADIO OR WIRELESS MERCHANDISE AS FOLLOWS—VARIOCOUPLERS, VERNIER HONEYCOMB, COIL MOUNTING, DOUBLE HONEYCOMB-COIL MOUNTING, TRIPLE HONEYCOMB-COIL MOUNTING, BAKELITE VARIOCOUPLERS, LOUD SPEAKERS, VACUUM-TUBE SOCKETS, AND DIALS. ALEXANDER WELLINGTON, doing business as Ramo Radium Products Co., New York, N. Y.
Filed January 31, 1924. Serial No. 191,581. PUBLISHED JUNE 17, 1924.

188,708. AUTOMOBILE BUMPERS AND PARTS THEREOF. BIFLEX PRODUCTS COMPANY, North Chicago, Ill.
Filed February 4, 1924. Serial No. 191,744. PUBLISHED MAY 27, 1924.

188,709. RUBBER REPAIR OUTFITS COMPRISING RUBBER-SURFACE BUFFERS, RUBBER SHEETING, AND RUBBER CEMENT. JOSEPH J. FUCHS, doing business as Tourists' Pride Manufacturing Co., Minneapolis, Minn.
Filed February 14, 1924. Serial No. 192,250. PUBLISHED JUNE 10, 1924.

188,710. PERFUMES. GEORGE W. BUTTON CORP., New York, N. Y.
Filed February 15, 1924. Serial No. 192,305. PUBLISHED JUNE 17, 1924.

188,711. ELECTRIC AUTOMATIC STOKERS. DOMESTIC STOKER COMPANY, New York, N. Y.
Filed February 19, 1924. Serial No. 192,522. PUBLISHED JUNE 17, 1924.

188,712. METAL GRATINGS FOR FLOORINGS AND STAIRCASES. IRVING IRON WORKS COMPANY, Long Island City, N. Y.
Filed February 20, 1924. Serial No. 192,573. PUBLISHED JUNE 10, 1924.

188,713. LIQUID FOR RELIEVING THE PAINS OF CONFINEMENT. FREDERICK S. BURNHAM, doing business as Stork Chemical Company, Boston, Mass.
Filed February 25, 1924. Serial No. 192,754. PUBLISHED JUNE 17, 1924.

188,714. PAVEMENTS OR ROADWAYS AND PAVING MATERIAL CONTAINING BITUMINOUS MATTER. CALVERT BURKE FILBERT, New Orleans, La.
Filed February 26, 1924. Serial No. 192,824. PUBLISHED JUNE 24, 1924.

188,715. FIRE BRICK AND REFRACTORY CEMENTS. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed February 26, 1924. Serial No. 192,836. PUBLISHED JUNE 10, 1924.

188,716. PRINTING INKS. J. M. HUBER, INC., Bayonne, N. J., and New York, N. Y.
Filed February 26, 1924. Serial No. 192,839. PUBLISHED JUNE 17, 1924.

188,717. ILLUMINATED ELECTRIC SIGNS AND ELECTRIC LIGHTING SYSTEMS FOR SHOW CASES. ELECTRO-METALLIC PRODUCTS CORPORATION, Newark, N. J.
Filed February 27, 1924. Serial No. 192,904. PUBLISHED JUNE 17, 1924.

188,718. MAGAZINE. THE STUYVESANT COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,938. PUBLISHED JUNE 10, 1924.

188,719. BELT-FASTENING PLATES, LACES; LACING AND FASTENERS OF LEATHER, RAWHIDE, OR COMPOSITION. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed February 28, 1924. Serial No. 192,962. PUBLISHED JUNE 10, 1924.

188,720. LAUNDRY BLEACHER. GEORGE EDWARD REDOUTE, doing business as American Bleacher Products Co., Detroit, Mich.
Filed February 29, 1924. Serial No. 193,072. PUBLISHED JUNE 17, 1924.

188,721. LAUNDRY BLUING. GEORGE EDWARD REDOUTE, doing business as American Bleacher Products Co., Detroit, Mich.
Filed February 29, 1924. Serial No. 193,073. PUBLISHED JUNE 17, 1924.

188,722. COLLAR PINS, LINGERIE CLASPS, BELT CHAINS, ORNAMENTAL DRESS PINS, SWEATER PINS, CUFF BUTTONS, SHIRT STUDS, TIE CLASPS, AND SCARF PINS. DOLAN & BULLOCK, Providence, R. I.
Filed March 1, 1924. Serial No. 193,096. PUBLISHED JUNE 17, 1924.

188,723. HAIR DRESSING. ERNEST E. STALLINGS, doing business as Dawson Manufacturing Co., Enfield, N. C.
Filed March 1, 1924. Serial No. 193,138. PUBLISHED JUNE 17, 1924.

188,724. MOTOR BOATS. HORACE E. DODGE BOAT WORKS, Detroit, Mich.
Filed March 3, 1924. Serial No. 193,160. PUBLISHED JUNE 10, 1924.

188,725. WARM-AIR-CIRCULATING FURNACES. TULSA STOVE AND FOUNDRY COMPANY, Sand Springs, Okla.
Filed May 2, 1924. Serial No. 196,490. PUBLISHED JUNE 24, 1924.

188,726. FISTULA AND POLL-EVIL REMEDY. HARRY C. CHRISTIANCE, doing business as Harry C. Christiance Co., Compton, Ill.
Filed April 29, 1924. Serial No. 196,293. PUBLISHED JUNE 17, 1924.

188,727. SHAMPOO. GUARANTEED PRODUCTS, INC., doing business as The Swedish Shampoo Laboratories, New York, N. Y.
Filed April 28, 1924. Serial No. 196,244. PUBLISHED JUNE 17, 1924.

188,728. HEADACHE TABLET, SHARP & DOHME, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis and Kansas City, Mo.; Atlanta, Ga.; Philadelphia, Pa.; San Francisco, Calif., and New York, N. Y.
Filed April 26, 1924. Serial No. 196,198. PUBLISHED JUNE 17, 1924.

188,729. CERTAIN TOILET PREPARATIONS. LOUIS PHILIPPE, INC., New York, N. Y.
Filed April 26, 1924. Serial No. 196,191. PUBLISHED JUNE 17, 1924.

188,730. CHEMICAL PREPARATION FOR THE TREATMENT OF THE SKIN. DAVID A. BENNETT, Chicago, Ill.
Filed April 26, 1924. Serial No. 196,150. PUBLISHED JUNE 17, 1924.

188,731. SWEET DIETETIC PREPARATION FOR DIABETIC PATIENTS. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed April 25, 1924. Serial No. 196,129. PUBLISHED JUNE 17, 1924.

188,732. CERTAIN TOILET PREPARATIONS. THE LA SALLE COMPANY, St. Paul, Minn.
Filed April 25, 1924. Serial No. 196,126. PUBLISHED JUNE 17, 1924.

188,733. MANICURING SPECIALTIES. JOHN HILGERS, Binghamton, N. Y.
Filed April 25, 1924. Serial No. 196,115. PUBLISHED JUNE 17, 1924.

188,734. STEEL WOOL FOR CLEANING AND POLISHING PURPOSES. AMERICAN STEEL WOOL MFG. CO. INC., New York, N. Y.
Filed April 3, 1924. Serial No. 194,896. PUBLISHED JUNE 10, 1924.

188,735. AN INHALATION COMPOUND USED FOR THE TREATMENT OF BRONCHITIS, PNEUMONIA, INFLUENZA, TONSILLITIS, BRONCHIAL ASTHMA, LA GRIPPE, NASAL CATARRH, WHOOPING COUGH, HAY FEVER, AND ACUTE AND CHRONIC INFECTIONS OF THE RESPIRATORY ORGANS. STARKE PHARMACEUTICAL CO., St. Louis, Mo.
Filed April 1, 1924. Serial No. 194,822. PUBLISHED JUNE 24, 1924.

188,736. FACE CREAM, COLD CREAM, AND VANISHING CREAM, PERFUMES, TOILET WATERS, ALMOND AND BENZOIN CREAM, CUCUMBER CREAM, LEMON LOTION, AND LAVENDER AFTER-SHAVING LOTION, TOILET CREAMS, ROUGES, LIP STICKS, SACHET POWDERS, TALCUM POWDERS, NAIL POWDERS, NAIL PASTE, AND SHAMPOO PREPARATIONS. THE BALDWIN PERFUMERY CO., Chicago, Ill.
Filed April 1, 1924. Serial No. 194,771. PUBLISHED JUNE 24, 1924.

188,737. MEDICAL APPLICATION FOR TREATMENT OF LEUCORRHEA, PAINFUL OR IRREGULAR MENSTRUATION, INFLAMMATION OF THE WOMB OR OVARIES, INFLAMMATION OF THE BLADDER, DISPLACEMENTS, LACERATIONS, ULCERATIONS, AND LIKE TROUBLES. HERBERT NEVINS, doing business as Dr. H. Nevins Co., Peoria, Ill.
Filed February 27, 1924. Serial No. 192,922. PUBLISHED JUNE 24, 1924.

188,738. WHEAT FLOUR. THE MOORE-LOWRY FLOUR MILLS COMPANY, Wichita, Kans.
Filed February 21, 1924. Serial No. 192,634. PUBLISHED JUNE 17, 1924.

188,739. DOG MEDICINES. CHLORIDE "C. P." CO., McNeill, Miss.
Filed February 21, 1924. Serial No. 192,601. PUBLISHED JUNE 24, 1924.

188,740. SAUSAGE, LINK SAUSAGE, AND SAUSAGE PADDIES. DULUTH SAUSAGE COMPANY, Duluth, Minn.
Filed February 15, 1924. Serial No. 192,313. PUBLISHED APRIL 1, 1924.

188,741. PERFUMES. JAY-THORPE, INC., New York, N. Y.
Filed February 12, 1924. Serial No. 192,178. PUBLISHED JUNE 24, 1924.

188,742. MISCIBLE OIL USED AS AN INSECTICIDE AND FUNGICIDE. JAMES GOOD, INC., Wilmington, Del., and Philadelphia, Pa.
Filed December 11, 1923. Serial No. 189,501. PUBLISHED FEBRUARY 5, 1924.

188,743. TOILET BALM, TOILET CREAM, MASSAGE CREAM, LIQUID SHAMPOO. JAMES KIRKPATRICK NEAGLEY, Oil City, Pa.
Filed October 13, 1923. Serial No. 186,963. PUBLISHED JUNE 24, 1924.

188,744. SOAPS, ALSO NONEDIBLE OILS AND COMPOUNDS THEREOF, FOR THE TREATMENT OF LEATHER AND TEXTILES. DEECY PRODUCTS COMPANY, Cambridge, Mass.
Filed May 8, 1923. Serial No. 180,329. PUBLISHED JUNE 10, 1924.

188,745. SALVES OR OINTMENTS FOR RELIEVING ITCH, ECZEMA, TETTER, SALT RHEUM, AND KINDRED DISEASES. EDWARD L. STANLEY, Dallas, Tex.
Filed February 19, 1923. Serial No. 176,291. PUBLISHED JUNE 24, 1924.

188,746. MEDICINE. GREGORY A. PAVICH, Kenosha, Wis.
Filed August 11, 1922. Serial No. 168,141. PUBLISHED JUNE 24, 1924.

188,747. MEDICINAL PREPARATION. ROBERT E. BARTLETT, New Glarus, Wis.
Filed May 6, 1924. Serial No. 196,643. PUBLISHED JUNE 17, 1924.

188,748. VACCINES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 5, 1924. Serial No. 196,617. PUBLISHED JUNE 17, 1924.

188,749. VACCINES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 5, 1924. Serial No. 196,616. PUBLISHED JUNE 17, 1924.

188,750. PROPRIETARY MEDICINE FOR THE TREATMENT OF VENEREAL DISEASES. FRANK F. WITTE, doing business as The Oriental & Occidental Medicine Co., Elliott Station, Detroit, Mich.
Filed May 3, 1924. Serial No. 196,561. PUBLISHED JUNE 17, 1924.

188,751. MOHAIR IN THE PIECE. W. M. BIGGAR & CO., New York, N. Y.
Filed May 2, 1924. Serial No. 196,419. PUBLISHED JUNE 24, 1924.

188,752. VULCANIZED FIBER. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa.
Filed April 30, 1924. Serial No. 196,335. PUBLISHED JUNE 17, 1924.

188,753. INSECT, PARASITE, AND BUG EXTERMINATOR AND INSECTICIDE. FRED. W. KAEMPFER, doing business as Kaempfer's, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,247. PUBLISHED JUNE 17, 1924.

188,754. WATCHES AND WATCH MOVEMENTS. KORONES BROTHERS, New York, N. Y.
Filed April 25, 1924. Serial No. 196,124. PUBLISHED JUNE 17, 1924.

188,755. PACKAGE HANDLES. ACME HANDLE CO. OF NEW JERSEY, INC., Jersey City, N. J.
Filed April 24, 1924. Serial No. 196,043. PUBLISHED JUNE 17, 1924.

188,756. HAIR TINTS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed April 23, 1924. Serial No. 196,013. PUBLISHED JUNE 17, 1924.

188,757. AUTOMOBILE NUMBER-PLATE FRAMES. UTILITY MANUFACTURING AND SALES CORPORATION, Boston, Mass.
Filed April 19, 1924. Serial No. 195,846. PUBLISHED JUNE 10, 1924.

188,758. FIRE BRICK AND REFRACTORY CEMENT. PARKER RUSSELL MINING AND MANUFACTURING COMPANY, St. Louis, Mo.
Filed April 19, 1924. Serial No. 195,833. PUBLISHED JUNE 10, 1924.

188,759. MAGAZINE PUBLISHED SEMIMONTHLY OR OFTENER. JOHN F. O'HARA, doing business as Oxford Press, Providence, R. I.
Filed April 19, 1924. Serial No. 195,830. PUBLISHED JUNE 17, 1924.

188,760. WATCHES AND WATCH PARTS. S. H. DE ROY & COMPANY, Pittsburgh, Pa.
Filed April 19, 1924. Serial No. 195,805. PUBLISHED JUNE 17, 1924.

188,761. WATCHES, WATCH MOVEMENTS, AND WATCHCASES. KATZ & OGUSH, INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,692. PUBLISHED JUNE 17, 1924.

188,762. CANTALOUPES AND FRESH GRAPES. BEN H. ARKELIAN & CO., Fresno, Calif.
Filed September 11, 1923. Serial No. 185,647. PUBLISHED MARCH 4, 1924.

188,763. GAS FURNACES, RANGES, AND STOVES. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed April 14, 1924. Serial No. 195,552. PUBLISHED JUNE 17, 1924.

188,764. GAS FURNACES, RANGES, AND STOVES. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed April 14, 1924. Serial No. 195,551. PUBLISHED JUNE 17, 1924.

188,765. HAIR CURLERS. THE OSMUN CO., Covington, Ky.
Filed April 14, 1924. Serial No. 195,534. PUBLISHED JUNE 3, 1924.

188,766. BRISTLES, CALFSKINS, CAMEL'S HAIR, CAMEL'S WOOL, RAW COTTON, COWHIDES, FEATHERS, FUR SKINS, GOAT'S HAIR, GOATSKINS, GOAT'S WOOL, HEMP, HORSEHAIR, HORSEHIDES, HUMAN HAIR, JUTE, OX HIDES, LINSEED AND RAPESEED, SHEEPSKINS AND SHEEP'S WOOL. CHANDLESS & CO., INC., Millbrook, and New York, N. Y.
Filed April 14, 1924. Serial No. 195,489. PUBLISHED JUNE 17, 1924.

188,767. FINGER RINGS. AARON E. JOHNSON, doing business as Aaron E. Johnson Jewelry Mfg. Co., Minneapolis, Minn.
Filed April 12, 1924. Serial No. 195,450. PUBLISHED JUNE 17, 1924.

188,768. BANJOS, VELLUM SOUNDING BOARDS, STRINGS AND BRIDGES, AND BANJO PARTS. WILLIAM L. LANGE, New York, N. Y.
Filed April 11, 1924. Serial No. 195,405. PUBLISHED JUNE 17, 1924.

188,769. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,351. PUBLISHED JUNE 24, 1924.

188,770. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,350. PUBLISHED JUNE 24, 1924.

188,771. VARIO COUPLERS. CHARLES L. THURMAN, Philadelphia, Pa.
Filed April 10, 1924. Serial No. 195,317. PUBLISHED JUNE 17, 1924.

188,772. FIRE BRICK. THE KIER FIRE BRICK CO., Pittsburgh, Pa.
Filed April 9, 1924. Serial No. 195,230. PUBLISHED JUNE 10, 1924.

188,773. PLAY PENS. THE CALDWELL MANUFACTURING COMPANY, Columbus, Ohio.
Filed April 9, 1924. Serial No. 195,210. PUBLISHED JUNE 10, 1924.

188,774. TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed April 8, 1924. Serial No. 195,195. PUBLISHED JUNE 10, 1924.

188,775. BEAD NECKLACES. JAMES MCCUTCHEON & COMPANY, New York, N. Y.
Filed March 4, 1924. Serial No. 193,235. PUBLISHED JUNE 17, 1924.

188,776. CUFF LINKS. MCRAE & KEELER, INC., Attleboro, Mass.
Filed March 5, 1924. Serial No. 193,302. PUBLISHED JUNE 17, 1924.

188,777. NEWS ITEMS. STATE JOURNAL COMPANY, Lincoln, Nebr.
Filed March 6, 1924. Serial No. 193,367. PUBLISHED JUNE 10, 1924.

188,778. SNAP FASTENERS. FULFORD MFG. CO., Providence, R. I.
Filed March 7, 1924. Serial No. 193,390. PUBLISHED JUNE 10, 1924.

188,779. LUMBER, MILLWORK, COMPOSITION ROOFING, AND WALL BOARD. O'NEIL LUMBER COMPANY INC., St. Louis, Mo.
Filed March 10, 1924. Serial No. 193,536. PUBLISHED JUNE 10, 1924.

188,780. LUMBER, ROUGH AND FINISHED; SHINGLES, SASH, WOODEN DOORS, WINDOW AND DOOR FRAMES, WOODEN MOLDINGS, ROOFING AND INSULATING PAPERS, AND WALL BOARD. O'NEIL LUMBER COMPANY INC., St. Louis, Mo.
Filed March 10, 1924. Serial No. 193,537. PUBLISHED JUNE 10, 1924.

188,781. HEADLIGHT CONTROLLERS. RITE-LITE COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,542. PUBLISHED JUNE 17, 1924.

188,782. MOTHER-OF-PEARL IN BULK (MATIÈRE NACRÉE). JEAN PAISSEAU, Paris, France.
Filed March 11, 1924. Serial No. 193,620. PUBLISHED MAY 27, 1924.

188,783. ASPHALT ROOFING IN ROLLS AND SHEETS, ASPHALT ROOFING SHINGLES, ASPHALT ROOFING STRIPS, WATERPROOF INSULATING AND SHEATHING PAPER, WATERPROOF INSULATING AND SHEATHING FABRICS, PLASTIC ROOF COATINGS, MASTIC FLOORING AND MASTIC BUILDING COMPOUNDS AND ASPHALT FLOORING IN ROLLS, FABRIC BASE. THE LEHON COMPANY, Chicago, Ill.
Filed March 13, 1924. Serial No. 193,715. PUBLISHED JUNE 10, 1924.

188,784. PEARLS. FRANCIS WINTER ET CIE., Paris, France.
Filed March 13, 1924. Serial No. 193,743. PUBLISHED JUNE 17, 1924.

188,785. VEHICLE WHEELS. RUBWOOD INC., Lawrence, Mass.
Filed March 14, 1924. Serial No. 193,784. PUBLISHED MAY 27, 1924.

188,786. COTTON, SILK, AND WOOL FABRICS AND MIXTURES OF THE SAME. BRADFORD DYEING ASSOC. (U. S. A.), Bradford, R. I.
Filed March 15, 1924. Serial No. 193,803. PUBLISHED APRIL 29, 1924.

188,787. RADIO APPARATUS—NAMELY, RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, TRANSFORMERS, AMPLIFYING HORNS, CONDENSERS, HEAD SETS AND PARTS THEREOF. MANUFACTURERS PHONOGRAPH CO. INC., New York, N. Y.
Filed March 15, 1924. Serial No. 193,844. PUBLISHED JUNE 17, 1924.

188,788. PACKING OF RUBBER AND FIBER. NEW YORK BELTING AND PACKING COMPANY, New York, N. Y.
Filed March 17, 1924. Serial No. 193,947. PUBLISHED JUNE 10, 1924.

188,789. DRESS FORMS AND GARMENT HANGERS. THE ONLI-WA FIXTURE COMPANY, Dayton, Ohio.
Filed March 17, 1924. Serial No. 193,954. PUBLISHED JUNE 17, 1924.

188,790. PLATINUM JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. TRIANGLE JEWELRY COMPANY, New York, N. Y.
Filed March 17, 1924. Serial No. 193,972. PUBLISHED JUNE 17, 1924.

188,791. DUMPING VEHICLES. LEE TRAILER & BODY COMPANY, Chicago, Ill.
Filed March 20, 1924. Serial No. 194,114. PUBLISHED JUNE 10, 1924.

188,792. SPRINGS AND SPRING ATTACHMENTS FOR VEHICLES, ALL BEING METAL GOODS. THE WESTON ANTI VIBRATOR AND NON-SKID MANUFACTURING COMPANY, LIMITED; now by change of name Rectaskid Limited, London, England.
Filed March 20, 1924. Serial No. 194,145. PUBLISHED MAY 20, 1924.

188,793. MEDICINES FOR CERTAIN NAMED AFFECTIONS. JAMES A. BELYEA, M. D., doing business as Southern California Analytical Laboratory, Glendale, Calif.
Filed March 21, 1924. Serial No. 194,155. PUBLISHED JUNE 17, 1924.

188,794. COAL. HARRISBURG COLLIERY COMPANY, Chicago, Ill.
Filed March 21, 1924. Serial No. 194,187. PUBLISHED JUNE 17, 1924.

188,795. LIQUID TOILET SOAP. AKTIENGESELLSCHAFT VORMALS B. SIEGFRIED, Zofingen, Switzerland.
Filed October 5, 1923. Serial No. 186,575. PUBLISHED JUNE 24, 1924.

188,796. PARLOR GAME. PUNG-CHOW COMPANY, INC., New York, N. Y.
Filed April 13, 1923. Serial No. 179,111. PUBLISHED MAY 29, 1923.

188,797. NEWSPAPER ARTICLES. JAMES MCCHESNEY PRICKETT, Rural Retreat, Va.
Filed February 9, 1924. Serial No. 192,085. PUBLISHED JUNE 24, 1924.

188,798. DISTILLED, CARBONATED, AND LITHIATED WATERS. SUNBEAM WATER COMPANY, Philadelphia, Pa.
Filed October 31, 1923. Serial No. 187,783. PUBLISHED JANUARY 1, 1924.

188,799. CLEANER FOR GLASS AND OTHER GLAZED SURFACES, IN LIQUID AND POWDERED FORMS. THE SKYBRYTE COMPANY, Cleveland, Ohio.
Filed November 14, 1923. Serial No. 188,330. PUBLISHED JUNE 24, 1924.

188,800. SHEET-METAL AND ASBESTOS GASKETS. MCCORD RADIATOR & MFG. CO., Detroit, Mich.
Filed January 21, 1924. Serial No. 191,078. PUBLISHED JUNE 10, 1924.

188,801. CARDS, POST CARDS, AND GREETINGS OF EVERY DESCRIPTION. GREETRITE, INC., New York, N. Y.
Filed February 19, 1924. Serial No. 192,528. PUBLISHED JUNE 24, 1924.

188,802. HOUSEHOLD FURNITURE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,912. PUBLISHED JUNE 24, 1924.

188,803. MATTRESSES, BED SPRINGS, BOX SPRINGS, AND PILLOWS. LOUIS COHEN, New York, N. Y.
Filed March 22, 1924. Serial No. 194,258. PUBLISHED JUNE 24, 1924.

188,804. A WET OR DRY CLEANER IN THE NATURE OF A HAND SOAP OR POLISH FOR METALS, PORCELAIN, AND THE LIKE. WILLIAM FRANK, New York, N. Y.
Filed April 8, 1924. Serial No. 195,167. PUBLISHED JUNE 24, 1924.

188,805. BATHROOM FIXTURES COMPRISING MIRRORS, INCLUDING PARTICULARLY MIRRORS ADAPTED FOR USE IN BATHROOMS, AND CABINETS AND CONTAINERS, INCLUDING PARTICULARLY MEDICINE CABINETS AND CABINETS FOR USE IN BATHROOMS. THE FAIRFACTS COMPANY, INC., New York, N. Y.
Filed April 19, 1924. Serial No. 195,809. PUBLISHED JUNE 24, 1924.

188,806. CLEANER USED FOR VARIOUS PURPOSES. DEARBORN CHEMICAL COMPANY, Chicago, Ill.
Filed April 21, 1924. Serial No. 195,871. PUBLISHED JUNE 24, 1924.

188,807. INDUSTRIAL CLEANING COMPOUNDS IN POWDER AND PASTE FORM USED BY PRINTERS, DAIRIES, TEXTILE MILLS, JEWELERS, LAUNDRIES, HOUSEHOLDERS, AND OTHERS. MAGNUSON PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed April 22, 1924. Serial No. 195,969. PUBLISHED JUNE 24, 1924.

188,808. COAL. NOAH H. SWAYNE, doing business as Swayne & Company, Philadelphia, Pa.
Filed April 29, 1924. Serial No. 196,321. PUBLISHED JUNE 24, 1924.

188,809. SOAPS. UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y.
Filed April 29, 1924. Serial No. 196,324. PUBLISHED JUNE 24, 1924.

188,810. LIQUID SOAP. THE SULPHO-NAPTHOL COMPANY, Boston, Mass.
Filed May 1, 1924. Serial No. 196,411. PUBLISHED JUNE 24, 1924.

188,811. BURNISHING COMPOUNDS. KENT-MOORE ORGANIZATION, Detroit, Mich.
Filed May 5, 1924. Serial No. 196,597. PUBLISHED JUNE 24, 1924.

188,812. SOAP. THE E. W. ROSE COMPANY, Cleveland, Ohio.
Filed May 8, 1924. Serial No. 196,764. PUBLISHED JUNE 24, 1924.

188,813. WEEKLY PUBLICATION. THE FOURTH ESTATE PUBLISHING COMPANY, New York, N. Y.
Filed May 19, 1924. Serial No. 197,243. PUBLISHED JUNE 24, 1924.

188,814. PREPARATION FOR THE TREATMENT OF RHEUMATISM, SCIATICA, LUMBAGO, GOUT, ECZEMA, AND NEURITIS. VOLTA COMPANY OF AMERICA, INC., Philadelphia, Pa.
Filed March 27, 1924. Serial No. 194,582. PUBLISHED JUNE 24, 1924.

188,815. CLEANING, SCOURING, AND POLISHING COMPOSITION OR MATERIAL. BARNSDALL TRIPOLI PRODUCTS CORPORATION, New York, N. Y.
Filed April 8, 1924. Serial No. 195,151. PUBLISHED JUNE 10, 1924.

188,816. HAND-OPERATED LIQUID MEASURING AND DISPENSING APPARATUS. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 7, 1924. Serial No. 195,138. PUBLISHED JUNE 24, 1924.

188,817. ODOROUS DISINFECTANTS. MARGARET LITTLE-NOSS, doing business as Home Remedies Co., New York, N. Y.
Filed April 7, 1924. Serial No. 195,113. PUBLISHED JUNE 17, 1924.

188,818. ANTISEPTIC POWDER FOR USE IN PREPARING VAGINAL DOUCHES. ROSE LE BLANC, doing business as Sep-Tex Health Company, Brooklyn, N. Y.
Filed April 7, 1924. Serial No. 195,112. PUBLISHED JUNE 17, 1924.

188,819. PERCHLORIC ACID. EDWARD C. WALKER, 3d, doing business as Genesee Chemical Company, Batavia, N. Y.
Filed April 5, 1924. Serial No. 195,085. PUBLISHED JUNE 17, 1924.

188,820. STOMACH TABLETS. LEONARD J. STRAIGHT, doing business as Ortho Medical Co., Washington, D. C.
Filed April 4, 1924. Serial No. 195,025. PUBLISHED JUNE 24, 1924.

188,821. ROAD MACHINES, PARTICULARLY COMBINED ROAD ROLLERS, MAINTAINERS, AND SCARIFIERS. AUSTIN MANUFACTURING CO., Chicago, Ill.
Filed April 3, 1924. Serial No. 194,899. PUBLISHED JUNE 24, 1924.

188,822. PREPARATION FOR CLEANING SILVER AND ALUMINUM WARE. JULIA E. ELLSWORTH, doing business as Shimmering Twilight Silver Cleaner Co., Raton, N. Mex.
Filed April 2, 1924. Serial No. 194,855. PUBLISHED JUNE 10, 1924.

188,823. SOAP, SOAP POWDERS, CHIP SOAP, AND SWEEPING COMPOUND. ROBERT B. MARTIE, doing business as Atlanta Cleansing Products Company, New York, N. Y.
Filed April 1, 1924. Serial No. 194,807. PUBLISHED JUNE 10, 1924.

188,824. STREET-TRAFFIC-CONTROL INDICATOR. TRAFFIC SIGN & SIGNAL CO., Gloucester, Mass.
Filed March 26, 1924. Serial No. 194,495. PUBLISHED JUNE 24, 1924.

188,825. SOAP. LOS ANGELES SOAP COMPANY, INC., Los Angeles, Calif.
Filed March 26, 1924. Serial No. 194,458. PUBLISHED JUNE 10, 1924.

188,826. NEWS AND LITERARY PUBLICATION PUBLISHED QUARTERLY. DELTA TAU DELTA FRATERNITY, New York, N. Y.
Filed March 24, 1924. Serial No. 194,337. PUBLISHED JUNE 10, 1924.

188,827. GEOGRAPHICAL GLOBES AND TELLURIANS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed March 15, 1924. Serial No. 193,871. PUBLISHED JUNE 24, 1924.

188,828. LITHOGRAPHED OR PRINTED LABELS. PASBACH-VOICE LITHOGRAPHING CO. INC., Brooklyn, N. Y.
Filed March 13, 1924. Serial No. 193,725. PUBLISHED JUNE 10, 1924.

188,829. COOKER OR BAKER. EDWARD F. MAYBAUM, doing business as The Clam Bake Co., New York, N. Y.
Filed March 11, 1924. Serial No. 193,606. PUBLISHED JUNE 24, 1924.

188,830. CERTAIN NAMED PIECE GOODS. LOUIS ROESSEL & CO. INC., Hazleton, Pa., and New York, N. Y.
Filed March 10, 1924. Serial No. 193,544. PUBLISHED JUNE 24, 1924.

188,831. STEEL FORGINGS. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,513. PUBLISHED JUNE 24, 1924.

188,832. NARROW ELASTIC AND NONELASTIC BRAID AND NARROW ELASTIC AND NONELASTIC WEB. RHODE ISLAND WEB COMPANY, Pawtucket, R. I.
Filed March 6, 1924. Serial No. 193,356. PUBLISHED JUNE 10, 1924.

188,833. ANTIFREEZE CEMENT INGREDIENT. THE BRIDGEPORT STONE CO., Bridgeport, Conn.
Filed March 22, 1924. Serial No. 194,253. PUBLISHED JUNE 10, 1924.

188,834. TOILET PREPARATIONS. V. VIVAUDOU, INC., New York, N. Y.
Filed March 22, 1924. Serial No. 194,314. PUBLISHED JUNE 17, 1924.

188,835. PLASTERS FOR REMOVING CALLOUSES, BUNIONS, AND CORNS. MARTIN P. BASTIANI, doing business as Mission Pharmacal Co., San Francisco, Calif.
Filed March 24, 1924. Serial No. 194,322. PUBLISHED JUNE 17, 1924.

188,836. RUBBING ALCOHOL. LEHN & FINK, INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,358. PUBLISHED JUNE 17, 1924.

188,837. SEMIMONTHLY MAGAZINE. AMERICAN COTTON ASSOCIATION, St. Matthews, S. C.
Filed March 25, 1924. Serial No. 194,388. PUBLISHED JUNE 10, 1924.

188,838. TOOTH PASTE AND MOUTH WASH. JAMES A. BROGDON, San Francisco, Calif.
Filed March 25, 1924. Serial No. 194,393. PUBLISHED JUNE 17, 1924.

188,839. PAPER-MILL PUMPS. THE FREDERICK IRON AND STEEL COMPANY, Frederick, Md.
Filed March 25, 1924. Serial No. 194,399. PUBLISHED JUNE 3, 1924.

188,840. COAL, CARBONIZED FUEL, AND COKE. THE J. P. BURTON COAL COMPANY, Cleveland, Ohio.
Filed March 27, 1924. Serial No. 194,524. PUBLISHED JUNE 17, 1924.

188,841. PHARMACEUTICAL PREPARATIONS FOR HUMAN USE AND VETERINARY PURPOSES TO BE EMPLOYED FOR TREATMENT OF GONORRHEA, VULVOVAGINITIS, BLENNORRHEA, INFLAMMATION OF DIFFERENT ORGANS SUCH AS NOSE, PHARYNX, LARYNX, ETC., TO BE ADMINISTERED BY INJECTIONS, RINSING, OR BY MEANS OF TAMPONS, BRUSHES, ETC. CHEMISCHE FABRIK "NORGINE," Aussig on the Elbe, Czechoslovakia.
Filed March 27, 1924. Serial No. 194,528. PUBLISHED JUNE 10, 1924.

188,842. PERIODIC PUBLICATION PUBLISHED IN THE SPRING AND FALL OF EACH YEAR. BORIS M. BEDNEY, doing business as The Buyer's Secretary, New York, N. Y.
Filed March 28, 1924. Serial No. 194,586. PUBLISHED JUNE 10, 1924.

188,843. MAGAZINE. R. R. STREET & CO., INC., Chicago, Ill.
Filed March 28, 1924. Serial No. 194,626. PUBLISHED JUNE 10, 1924.

188,844. SPRAY CLASSIFIED AS AN INSECTICIDE SPRAY. HARRY B. SHELDON, Waltham, Mass. Filed March 29, 1924. Serial No. 194,672. PUBLISHED JUNE 17, 1924.

188,845. MEDICINAL DIP PREPARATION FOR DESTROYING GERMS AND VERMIN ON ANIMALS. SHORES-MUELLER COMPANY, Cedar Rapids, Iowa. Filed March 31, 1924. Serial No. 194,737. PUBLISHED JUNE 17, 1924.

188,846. LIQUID HEALING OINTMENT FOR ANIMALS. MORONI A. SMITH, Salt Lake City, Utah. Filed March 31, 1924. Serial No. 194,740. PUBLISHED JUNE 17, 1924.

188,847. SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, OR WORSTED. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed April 1, 1924. Serial No. 194,799. PUBLISHED JUNE 10, 1924.

188,848. TOILET PREPARATIONS—NAMELY, PERFUMERY EXTRACT, TOILET WATER, FACE POWDER, SACHET POWDER, SKIN-LOTION VEGETABLE, EAU DE COLOGNE, HAIR DRESSING, TALCUM POWDER, EAU DE DENTIFRICE, AND ROUGE. DANIEL JAQUET, doing business as Parfums Fontanis, Neuilly-sur-Seine, France. Filed April 1, 1924. Serial No. 194,801. PUBLISHED JUNE 17, 1924.

188,849. TOILET PREPARATIONS—NAMELY, PERFUMERY EXTRACT, TOILET WATER, FACE POWDER, SACHET POWDER, SKIN-LOTION VEGETALE, EAU DE COLOGNE, HAIR DRESSING, TALCUM POWDER, EAU DE DENTIFRICE, AND ROUGE. DANIEL JAQUET, doing business as Parfums Fontanis, Neuilly-sur-Seine, France. Filed April 1, 1924. Serial No. 194,802. PUBLISHED JUNE 17, 1924.

188,850. SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, OR WORSTED. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed April 2, 1924. Serial No. 194,870. PUBLISHED JUNE 10, 1924.

188,851. INDIAN HERB TEA FOR THE RELIEF OF KIDNEY, LIVER, AND STOMACH AFFLICTIONS. IROQUOIS FAMOUS INDIAN REMEDIES, INC., New York, N. Y. Filed April 2, 1924. Serial No. 194,872. PUBLISHED JUNE 17, 1924.

188,852. COAL, GAS, AND WOOD STOVES. THE SUNRAY STOVE COMPANY, Delaware, Ohio. Filed April 2, 1924. Serial No. 194,888. PUBLISHED JUNE 17, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

188,853. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ST. LOUIS RUBBER CEMENT CO., St. Louis, Mo. Filed July 3, 1924. Serial No. 199,582.

GRIPTITE

Particular description of goods.—Tire Patches.
Claims use since on or about Sept. 1, 1917.

188,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUALITY PRETZEL COMPANY, Reading, Pa. Filed July 9, 1924. Serial No. 199,805.



Particular description of goods.—Pretzels.
Claims use since Feb. 2, 1921.

188,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUALITY PRETZEL COMPANY, Reading, Pa. Filed July 9, 1924. Serial No. 199,804.

QUALITY

Particular description of goods.—Pretzels.
Claims use since Feb. 2, 1921.

188,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES DE LANEY, West Palm Beach, Fla. Filed July 3, 1924. Serial No. 199,540.

Palm Beach
Tetter Paint



Particular description of goods.—A Preparation for Use in Treating Ringworm, Ground Itch, Eczema, and Tetter.
Claims use since Jan. 1, 1922.

188,857. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DELAWARE COCA-COLA BOTTLING COMPANY, Wilmington, Del. Filed July 1, 1924. Serial No. 199,418.

BRANDYWINE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since June 1, 1923.

188,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed June 24, 1924. Serial No. 199,094.

Nujol Laboratories

Particular description of goods.—Mineral Oil for Chemical, Medicinal, and Pharmaceutical Purposes.
Claims use since Feb. 27, 1915.

188,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed June 19, 1924. Serial No. 198,825.

CHEMICAL PRODUCTS DIVISION

Particular description of goods.—Petrolatum, White Mineral Oil, Confectioner's Slab Oil, White Mineral Oil Primarily Used in the Preparation of Cold Creams, Isopropyl Alcohol, and Petroleum Ether.
Claims use on petrolatum since Apr. 1, 1922; on white mineral oil since Oct. 15, 1921; on confectioners' slab oil since July 24, 1922; on white mineral oil primarily used in the preparation of cold creams since Feb. 3, 1922; on isopropyl alcohol since Dec. 22, 1919; and on petroleum ether since Nov. 9, 1921.

188,860. (CLASS 11. INKS AND INKING MATERIALS.) MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed June 18, 1924. Serial No. 198,752.

Markwell

Particular description of goods.—Stencil Ink, Marking Ink, Printing Ink, Writing Ink, Rubber-Stamp Ink.
Claims use since Jan. 15, 1920.

188,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COOK LABORATORIES, INC., Chicago, Ill. Filed June 17, 1924. Serial No. 198,700.

Carpule
COOK

Particular description of goods.—Ampuls or Carpules Containing Medicaments for Use with Applicators Such as Hypodermic Syringes.
Claims use since Oct. 11, 1922.

188,862. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed June 12, 1924. Serial No. 198,461.

Venetian
WATERPROOF
CREAM

Particular description of goods.—Cold Cream and Massage Cream.
Claims use since Mar. 21, 1922.

188,863. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LUBRICATING SERVICE COMPANY, Stockton, Calif. Filed May 9, 1924. Serial No. 196,817.

HI-PRESSURE

Particular description of goods.—Grease Pumps.
Claims use since Sept. 1, 1922.

188,864. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DELAWARE HARD FIBRE COMPANY, Marshallton, Del. Filed June 3, 1924. Serial No. 197,996.

EGYPTIAN

Particular description of goods.—Hard or Vulcanized Fibre.
Claims use since Jan. 1, 1914.

188,865. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MICHAEL REICHERT, doing business as Nunbetter Syrup Co., Not Inc., Chicago, Ill. Filed May 31, 1924. Serial No. 197,906.

NUNBETTER BRAND

Particular description of goods.—Sirups for Nonalcoholic Beverages.
Claims use since Jan. 1, 1922.

188,866. (CLASS 32. FURNITURE AND UPHOLSTERY.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed May 29, 1924. Serial No. 197,829.

Easy Choice

Particular description of goods.—Display Cabinets.
Claims use since Mar. 1, 1924.

188,867. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924. Serial No. 197,718.

RE-NEW

Particular description of goods.—Liquid Wax.
Claims use since March, 1908.

188,868. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KNAPP ELECTRIC CORPORATION, New York, N. Y. Filed May 3, 1924. Serial No. 196,527.

KNAPP

Particular description of goods.—Electrical Motors, Electrical Dynamos, Electrical Fans, and Electrical Switches.
Claims use since about 1905.

188,869. (CLASS 11. INKS AND INKING MATERIALS.) THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed May 1, 1924. Serial No. 196,399.

"The Miller-Lure is Superfine"

Particular description of goods.—Inked Ribbons and Carbon Papers.
Claims use since Feb. 25, 1920.

188,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo. Filed Apr. 28, 1924. Serial No. 196,229.

Mrs. WINSTON

Particular description of goods.—Jellies, Jams, Fruit Preserves.
Claims use since August, 1918.

188,871. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 21, 1924. Serial No. 195,888.

LUSTRE DYE

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.
Claims use since Nov. 1, 1910.

188,872. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 21, 1924. Serial No. 195,886.

GOLD MEDAL

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes and All Leather Articles.
Claims use since Jan. 1, 1905.

188,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERIL MANUFACTURING COMPANY, Omaha, Nebr. Filed Nov. 2, 1923. Serial No. 187,883.

STERIL

Particular description of goods.—Undertaker's Cavity Fluid, Face Cream, Disinfectant, Perfume for the Corpse, Embalming Fluid, and a Fluid for Preventing Mildew on Bodies.
Claims use since Dec. 15, 1910.

188,874. (CLASS 11. INKS AND INKING MATERIALS.) CORNELIUS FREDERIKSEN, Brooklyn, N. Y. Filed Oct. 9, 1923. Serial No. 186,746.

FREDERIKSEN'S ETCHING INK
MANUFACTURED BY
CORNELIUS FREDERIKSEN

Particular description of goods.—Etching Ink for Photo-Engraving and Photolithographic Work.
Claims use since Mar. 12, 1895.

188,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, Washington, D. C. Filed Sept. 12, 1923. Serial No. 185,697.

HALL'S CHERRY EXPECTORANT

Particular description of goods.—Medical Preparation for the Treatment of Coughs and Colds.
Claims use since 1903.

188,876. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Aug. 20, 1923. Serial No. 184,753.

True Time Tellers

Particular description of goods.—Clocks.
Claims use since July 23, 1923.

188,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. PRIDE & CO., Bellingham, Wash. Filed Aug. 14, 1923. Serial No. 184,477.

SELECTA

Particular description of goods.—Canned Fruits, Berries, and Vegetables, Jams, Jellies, and Fruit Preserves.
Claims use since May 1, 1923.

188,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Aug. 2, 1923. Serial No. 184,001.

TINY KERNEL

Particular description of goods.—Canned Corn.
Claims use since July 14, 1923.

188,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Aug. 2, 1923. Serial No. 184,000.

TINY GRAIN

Particular description of goods.—Canned Corn.
Claims use since July 14, 1923.

188,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Aug. 2, 1923. Serial No. 183,999.

BABY GRAIN

Particular description of goods.—Canned Corn.
Claims use since July 14, 1923.

188,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROTHERS CO., Chicago, Ill. Filed July 13, 1923. Serial No. 183,152.

SALLY BROWN

The words "Sally Brown" are fanciful and are not intended to indicate the name of any individual.
Particular description of goods.—Cake Mixture (a Mixture of Flour and Other Ingredients, All Prepared for Baking Cakes).
Claims use since Aug. 26, 1922.

188,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. ALPERS, doing business as L. Alpers Mfg., San Francisco, Calif. Filed July 11, 1923. Serial No. 183,049.

1 BOTTLE

Particular description of goods.—Ink Remover.
Claims use since June 29, 1923.

188,883. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) LOUIS FRANK ROSENBERG, Providence, R. I. Filed June 15, 1923. Serial No. 182,063.

"KANT BREAK"

Particular description of goods.—Braided Silk and Wire for Use in Stringing Pearls and Beads.
Claims use since Jan. 1, 1923.

188,884. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MINERAL PRODUCTS CO., Los Angeles, Calif. Filed May 15, 1923. Serial No. 180,669.

MINERAL PRODUCTS ORIGINAL ARGENTITE COMPANY

Particular description of goods.—Radiocrystals.
Claims use since May 3, 1923.

188,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BICKMORE COMPANY, Old Town, Me. Filed Apr. 21, 1923. Serial No. 179,455.

BICKMORE

Particular description of goods.—Healing Ointments for Wounds and Sores on Man or Beast, and Pharmaceutical Preparations—Namely, Skin Ointment, Hair Dressing, Cold Creams, Disappearing Creams, and Dentifrices.
Claims use since February, 1922.

188,886. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 179,333.

COLORFAST

Particular description of goods.—Paste Paints and Semipaste Stains.
Claims use since Mar. 15, 1919.

188,887. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 179,327.

SIPE'S COMBINATION JAPAN OIL

Particular description of goods.—A Special Heavy-Bodied Paint Oil.
Claims use since latter part of 1911.

188,888. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARATHON COMPANY, Attleboro, Mass. Filed Mar. 23, 1923. Serial No. 177,917.

SLIP-OVER

Particular description of goods.—Bracelets.
Claims use since Dec. 1, 1922.

188,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 14, 1923. Serial No. 177,442.

Kellogg's BRAN FLAKES

Particular description of goods.—Edible Bran for Human Consumption.
Claims use since Feb. 1, 1923.

188,890. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE BRISTOL INDUSTRIES, INC., New York, N. Y. Filed Oct. 26, 1921. Serial No. 154,580.

SMOTHER-BUTT

Particular description of goods.—Ash Trays.
Claims use since about January, 1921.

188,891. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STERLING TIRE CORPORATION, Rutherford, N. J. Filed Nov. 29, 1920. Serial No. 140,412.

Sterling

Particular description of goods.—Rubber Tires and Rubber Tubing.
Claims use since Apr. 10, 1908.

188,892. (CLASS 12. CONSTRUCTION MATERIALS.) THE DENISON INTERLOCKING TILE CORPORATION, Cleveland, Ohio. Filed Oct. 16, 1920. Serial No. 138,377.

INTERLOCKING

Particular description of goods.—Hollow Building Blocks or Tiles.
Claims use since about May 20, 1916.

188,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIETE HYGIENIQUE COTTAN-PORTE & CIE., Paris, France. Filed Apr. 19, 1924. Serial No. 195,832.

ROUGE DE BASQUE

Particular description of goods.—Perfumery and Cosmetics, Such as Rouge, Face Powder, Lip Stick, and Face Lotion.
Claims use since Jan. 15, 1922.

188,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Apr. 17, 1924. Serial No. 195,669.

"Armand Flame"

Particular description of goods.—Rouge, Lip Stick, Face Powder, Talcum Powder, Compact Powder, and Cold-Cream Powder.
Claims use since Sept. 18, 1922.

188,895. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD L. WELBOURN, doing business as Dr. Welbourn Medicine Company, Union City, Ind. Filed Apr. 16, 1924. Serial No. 195,667.

DR. E. L. WELBOURN'S ELIXIR Sweet Bugle

Particular description of goods.—Medicine for Diarrhea, Bloody Flux, Cholera Morbus, Cholera Infantum, Burns, Heart Failure, Cramps, Spasms, Dog, Cat, or Rat Bite, Sting or Bite of Any Poisonous Insect.
Claims use since 1866.

188,896. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL RADIO CO., Chicago, Ill. Filed Apr. 16, 1924. Serial No. 195,652.

"Good Apparatus Pays"

Particular description of goods.—Radio Receiving and Transmitting Sets and Parts Used in the Construction Thereof.
Claims use for not less than one year.

188,897. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 28, 1924. Serial No. 194,604.

BAFFLEMIX

Color is not a material part of the mark.
Particular description of goods.—Refractory Cement.
Claims use since Apr. 18, 1923.

188,898. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREED-EISEMANN RADIO CORPORATION, Brooklyn, N. Y. Filed Mar. 18, 1924. Serial No. 193,999.

Freed-Eisemann

Particular description of goods.—Complete Radio Receiving Sets and Parts Therefor.
Claims use since Mar. 1, 1921.

188,899. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLEMENTS MFG. CO., Chicago, Ill. Filed Feb. 8, 1924. Serial No. 192,009.

Cadillac

Particular description of goods.—Electric Vacuum Cleaners, Blowers, and Suction Apparatus for Cleaning, Ventilating, and Air Supplying.
Claims use since Mar. 1, 1911.

188,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIGNEY & COMPANY, Brooklyn, N. Y. Filed Jan. 26, 1924. Serial No. 191,344.

EMERSON

Particular description of goods.—Candy.
Claims use since Sept. 8, 1913.

188,901. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AL WILSON COMPANY, San Francisco, Calif. Filed Dec. 26, 1923. Serial No. 190,139.

Scarlet Twister

Particular description of goods.—Trolling Spoons.
Claims use since July 1, 1923.

188,902. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HIGRADE TENT & DUCK CO., Los Angeles, Calif. Filed Dec. 26, 1923. Serial No. 190,097.

The Higrade

Particular description of goods.—Tents, Awnings, and Paulins Made of Duck Goods and Canvas.
Claims use since May 1, 1922.

188,903. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES INGELS, Springfield, Ill. Filed Nov. 15, 1923. Serial No. 188,368.

"KANT SHORT"

Particular description of goods.—Spark Plugs.
Claims use since July 1, 1922.

188,904. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 1, 1924. Serial No. 191,639.

"DUO-PLUG"

Particular description of goods.—An Electrical Connecting Plug of the Telephone Type Adapted Particularly for Use with Radio Apparatus.
Claims use since June 28, 1923.

188,905. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SKINNER MACHINERY CO., Dunedin, Fla. Filed June 2, 1924. Serial No. 197,964.

SAND PROOF

Particular description of goods.—Spray Pumps and Spraying Apparatus.
Claims use since Apr. '23, 1923.

188,906. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DEFIANCE MANUFACTURING CORPORATION, Rochester, N. Y. Filed June 16, 1924. Serial No. 198,626.

Guarantee

Particular description of goods.—Check Protectors.
Claims use since Mar. 3, 1921.

188,907. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SHELTON ELECTRIC CO., New York, N. Y., and Chicago, Ill. Filed July 1, 1924. Serial No. 199,439.

SHELTON

Particular description of goods.—Electric Centrifuges.
Claims use since October, 1905.

188,908. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SHELTON ELECTRIC CO., New York, N. Y., and Chicago, Ill. Filed July 1, 1924. Serial No. 199,440.

SHELTON

Particular description of goods.—Electric Vibrators and Applicators, Electric Massage Machines and Apparatus, Violet-Ray Machines and Electrodes, and Air Purifiers for Therapeutic Use.
Claims use since October, 1905.

188,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed May 3, 1923. Serial No. 180,123.

CROSS TENSION CHORD

Particular description of goods.—Universal Joints.
Claims use since about Apr. 17, 1923.

188,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH M. HAAN, New York, N. Y. Filed June 25, 1923. Serial No. 182,412.



Particular description of goods.—Chocolates and Bonbons.
Claims use for not less than one year.

188,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH M. HAAN, New York, N. Y. Filed June 25, 1923. Serial No. 182,413.



Particular description of goods.—Chocolates and Bonbons.
Claims use for not less than one year.

188,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH M. HAAN, New York, N. Y. Filed June 25, 1923. Serial No. 182,414.



Particular description of goods.—Chocolates and Bonbons.
Claims use for not less than one year.

188,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH M. HAAN, New York, N. Y. Filed June 25, 1923. Serial No. 182,415.



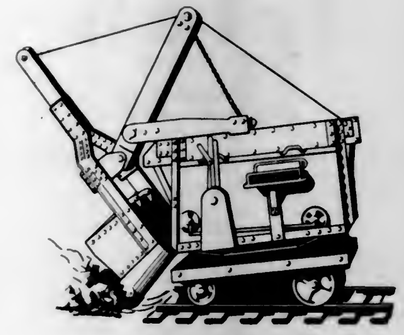
Particular description of goods.—Chocolates and Bonbons.
Claims use for not less than one year.

188,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH M. HAAN, New York, N. Y. Filed June 25, 1923. Serial No. 182,416.



Particular description of goods.—Chocolates and Bonbons.
Claims use for not less than one year.

188,915. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF). HOAR SHOVEL COMPANY, Duluth, Minn. Filed Aug. 2, 1923. Serial No. 183,974.



HOAR SHOVEL

Particular description of goods.—Mechanical Shovels.
Claims use since July 1, 1923.

188,916. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CROCKER CHAIR COMPANY, Sheboygan, Wis. Filed Aug. 3, 1923. Serial No. 184,020.

Interlocked

Particular description of goods.—Toilet Seats.
Claims use since Apr. 1, 1923.

188,917. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CROCKER CHAIR COMPANY, Sheboygan, Wis. Filed Aug. 3, 1923. Serial No. 184,021.



Particular description of goods.—Toilet Seats.
Claims use since Apr. 1, 1923.

188,918. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE PH. ZANG COMPANY, Denver, Colo. Filed Sept. 10, 1923. Serial No. 185,612.

Old Irish TYPE Brew

Particular description of goods.—Nonalcoholic, Cereal Malt Beverage.
Claims use since July 27, 1923.

188,919. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) BELMONT SMELTING & REFINING WORKS, INC., Brooklyn, N. Y. Filed Sept. 14, 1923. Serial No. 185,778.

BELMONT

Particular description of goods.—Babbitt Metals of All Kinds, Ingot Brass of All Kinds, Brass Ingots, Brass Compositions, Bronze Ingots, Phosphorbronze Ingots, Manganese Ingots, Manganese-Bronze Ingots, Manganese Compositions, White-Bronze Ingots, Type Metals, Electrotype Metals, Intertype Metals, Stereotype Metals, Monotype Metals, Toning Metals, Spelter (Also Called Slab Zinc); Pig, Block, or Bar Lead; White Casting Metal, Aluminum Ingot, Aluminum Solder, Antimony, Copper, Copper Ingots and Copper Compositions, Phosphorcopper, Manganese Copper, Die-Cast Metal, Nickel, Nickel Metal, Nickel Compositions, Nickel Silver, Nickel Ingots, Nickel Shot, Solders, Bar Solders, Brazing Solders, Spelter Solders, Silver Solders, Tin of All Kinds, Zinc and Zinc Metals, Antifriction Metals, Composition Ingots, Metal Alloys, Linotype Metals.
Claims use since July 1, 1923.

188,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 187,055.

DUNDEE

Particular description of goods.—Canned Vegetables and Fish, Dried Fruits.
Claims use since July 15, 1923.

188,921. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) STERIL MANUFACTURING COMPANY, Omaha, Nebr. Filed Nov. 2, 1923. Serial No. 187,884.

STERIL

Particular description of goods.—Waterproof Body Protectors, Aprons, Catafalque Covers, Casket Covers, Floor Mats, Casket Liners, Cooling-Board Covers, and Sheeting, Used by Undertakers and Embalmers in their Professional Business.
Claims use since Dec. 15, 1910.

188,922. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 17, 1923. Serial No. 188,476.

REINFORCED

Particular description of goods.—Watches.
Claims use since Nov. 1, 1922.

188,923. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GORHAM TOOL COMPANY, Detroit, Mich. Filed May 26, 1924. Serial No. 197,595.

GORHAM

Particular description of goods.—Tool Bits, Milling Cutters, Rotary Saws, End Mills, Reamers, and Special Cutting Tools.
Claims use since about February, 1917.

LABELS

REGISTERED SEPTEMBER 2, 1924.

27,775.—*Title:* CHAMBERLAIN'S AUTO POLISH A LEMON OIL COMPOUND. For a Polishing Preparation and Compound. T. D. CHAMBERLAIN, doing business as T. D. Chamberlain Chemical Company, Scranton, Pa. Published April 9, 1924.

27,776.—*Title:* CHAMBERLAIN'S ROYAL SILVER, GOLD & ALUMINUM POLISH AN OLIVE OIL COMPOUND. For a Polishing Preparation and Compound. T. D. CHAMBERLAIN, doing business as T. D. Chamberlain Chemical Company, Scranton, Pa. Published April 9, 1924.

27,777.—*Title:* OUR RECOMMENDATION. For Canned Abalone. DEL MONTE PROPERTIES CO., San Francisco, Calif. Published July 25, 1924.

27,778.—*Title:* POWER-GRIP. For a Preparation for Treating Pulleys and the Like. GARDNER-BARADA CHEMICAL CO., Chicago, Ill. Published August 1, 1924.

27,779.—*Title:* LADY BILLY SILK NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published July 25, 1924.

27,780.—*Title:* BRENAU. For Hosiery. HOSCH BROTHERS COMPANY, Gainesville, Ga. Published June 4, 1924.

27,781.—*Title:* MAMOLITH RAILWAY PAINTS. For Paints. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Published July 15, 1924.

27,782.—*Title:* MAMOLITH PAINT. For Paints. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Published July 15, 1924.

27,783.—*Title:* LOOK WHO'S HERE THE FAMOUS LITTLE BO-PEEP. For Packages Containing Infants' Layettes. D. W. KAATZE CO. INC., Brooklyn, N. Y. Published July 3, 1924.

27,784.—*Title:* LION BRAND ITALIAN PEELED TOMATOES. For Canned Tomatoes. JOSEPH DELLA MONICA, Brooklyn, N. Y. Published June 1, 1924.

27,785.—*Title:* MOTOR CITY. For Coffee. NATIONAL GROCER COMPANY, Detroit, Mich. Published July 10, 1924.

27,786.—*Title:* ARDEN PARK. For Coffee. NATIONAL GROCER COMPANY, Detroit, Mich. Published July 10, 1924.

27,787.—*Title:* THE HOFFMAN. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published August 1, 1924.

27,788.—*Title:* FORD. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published August 1, 1924.

27,789.—*Title:* NU-LUSTER AUTOMOBILE POLISH (NO. 1 CLEANER). For Cleaning and Polishing Materials for Painted Surfaces. NU-LUSTER PRODUCTS CO., INC., New Orleans, La. Published December 2, 1923.

27,790.—*Title:* NU-LUSTER AUTOMOBILE POLISH (NO. 2 POLISHER). For Cleaning and Polishing Materials for Painted Surfaces. NU-LUSTER PRODUCTS CO., INC., New Orleans, La. Published December 2, 1923.

27,791.—*Title:* THREE STAR BREW. For a Nonalcoholic, Cereal Beverage. PIEL BROS., Brooklyn, N. Y. Published April 19, 1924.

27,792.—*Title:* ALL SWEET TOASTED ALMONDS FROM CALIFORNIA. For Toasted Almonds. WILLIAM PRENTISS, Jr., doing business as California Almond Confections Company, Long Beach, Calif. Published September 1, 1923.

27,793.—*Title:* TALLE EXTRA FINE. For a Confection. WILLIAM PRENTISS, Jr., Long Beach, Calif. Published March 3, 1924.

27,794.—*Title:* MALT-O-COD. For a Tonic. REED DRUG CO., INC., Philadelphia, Pa. Published July 21, 1924.

27,795.—*Title:* VIGATONE. For a Tonic. REED DRUG CO., INC., Philadelphia, Pa. Published July 21, 1924.

27,796.—*Title:* PEERLESS ORCHARDS. For Fresh Fruit—Namely, Peaches. RICK & HERSHEY, Hamburg, Pa. Published August 15, 1923.

27,797.—*Title:* SCHWAB'S NATURE COLD CREAM. For Cold Cream. A. SCHWAB, Memphis, Tenn. Published June 17, 1924.

27,798.—*Title:* SCHWAB'S NATURE VANISHING CREAM. For Vanishing Cream. A. SCHWAB, Memphis, Tenn. Published June 17, 1924.

27,799.—*Title:* SCHWAB'S NATURE LEMON CREAM. For Lemon Cream. A. SCHWAB, Memphis, Tenn. Published June 17, 1924.

27,800.—*Title:* SCHWAB'S NATURE ROSE CREAM. For a Pink Vanishing Cream. A. SCHWAB, Memphis, Tenn. Published June 17, 1924.

27,801.—*Title:* COUNTRY CLUB. For Cigars. W. H. SNYDER & SONS, Windsor, Pa. Published June 20, 1924.

27,802.—*Title:* WOMENS FINE NOVELTY HANDKERCHIEFS. For Handkerchiefs. FRANZ TAMM, doing business as Swan Manufacturing Company, New York, N. Y., assignor to George Borgfeldt & Co., New York, N. Y. Published February 21, 1924.

27,803.—*Title:* VI-TONE NUTRITIVE TONIC TABLETS. For a Box Containing Tonic Tablets. THE VI-TONE PRODUCTS CO., Albany, N. Y. Published June 30, 1924.

27,804.—*Title:* DYSPEPTANS. For Boxes Containing Dyspepsia Tablets. THE VI-TONE PRODUCTS CO., Albany, N. Y. Published June 30, 1924.

27,805.—*Title:* SKILL. For Cigars. J. C. WINTER & CO., Red Lion, Pa. Published June 16, 1924.

27,806.—*Title:* CHAMPAGNE. For Cigars. J. C. WINTER & CO., Red Lion, Pa. Published June 10, 1924.

PRINTS

REGISTERED SEPTEMBER 2, 1924.

7,576.—*Title:* VERSATILLA. For Games. THE JESSE BEERY COMPANY, doing business as The Parents Association, Pleasant Hill, Ohio. Published July 12, 1924.

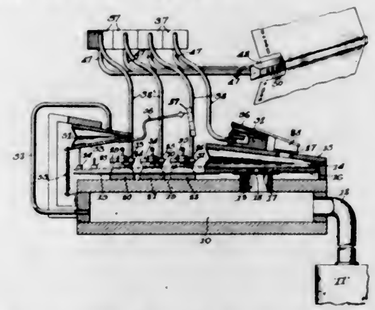
7,577.—*Title:* SMOKE DILL'S BEST. For Tobacco Products, Including Smoking Tobacco. J. G. DILL COMPANY, Richmond, Va. Published May 26, 1924.

7,578.—*Title:* WILLIAMS LUXURY SHAVING CREAM (SCREEN WITH CARTON AND TUBE). For Shaving Cream. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 19, 1924.

REISSUES

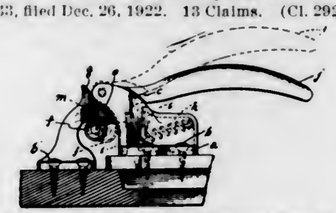
SEPTEMBER 2, 1924.

15,907. EXPRESSION DEVICE FOR AUTOMATIC PLAYERS. FRANK J. CLARK, Milwaukee, Wis., assignor to Clark Pneumatic Action Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 6, 1922. Serial No. 541,584. Original No. 1,384,010, dated July 5, 1921, Serial No. 331,589, filed Oct. 18, 1919. 43 Claims. (Cl. 84—42.)



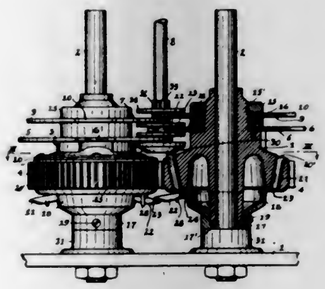
1. An expression device for pneumatic players including a vacuum system having an air inlet, a valve mechanism for controlling the admission of air through said inlet and influenced by the tension in said system toward open position, and stops for selectively limiting the opening movement of said valve mechanism to any desired degree to vary the tension in said system.

15,908. REFRIGERATOR LATCH. LLOYD G. COPEMAN, Flint, Mich. Filed June 23, 1924. Serial No. 721,946. Original No. 1,489,981, dated Apr. 8, 1924, Serial No. 608,833, filed Dec. 26, 1922. 13 Claims. (Cl. 292—239.)



1. In a refrigerator latch, the combination of a latch support, a striker provided with a striker socket behind the striking surface, and a swinging latch member which when forced to its locking position passes over a line perpendicular to the face of the refrigerator and passing through the fulcrum point of the latch.

15,909. BRAIDING MACHINE. XAVER PFRUNDER, Clifton, N. J., assignor to Walser Manufacturing Company, a Firm composed of Louis Knecht and Gustav Donat, Clifton, N. J. Filed May 12, 1924. Serial No. 712,884. Original No. 1,476,639, dated Dec. 4, 1923, Serial No. 650,392, filed July 9, 1923. 10 Claims. (Cl. 96—9.)



1. The combination of a pair of rotary intergeared drivers having their axes substantially parallel, a spool carrier having a coupling portion and being transferable back and forth from one to the other driver, and bolts respectively slidable rectilinearly in the drivers into and out of and each normally held in position to engage said coupling portion and lock the carrier to the driver containing such bolt and each having as a fixed part thereof a cam-portion to be engaged by the cam-portion of the other bolt, each bolt on alternate revolutions of the drivers being arranged to wedge itself between said coupling portion of the carrier and the cam-portion of the other bolt to force the latter clear of the former.

DESIGNS

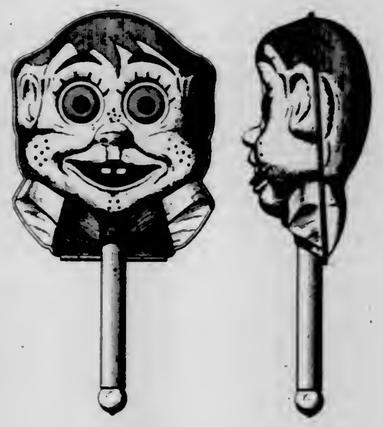
SEPTEMBER 2, 1924.

65,513. DOLL OR SIMILAR ARTICLE. ESTELLE V. ALLISON, New York, N. Y. Filed Oct. 19, 1923. Serial No. 7,553. Term of patent 14 years.



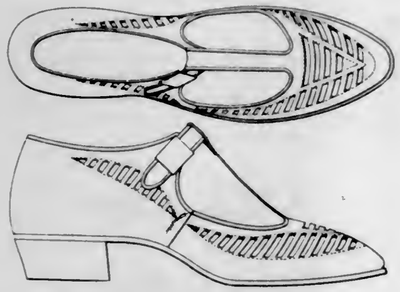
The ornamental design for a doll, or similar article as shown and described.

65,514. TOY. LOUIS V. ARONSON, Newark, N. J. Filed May 29, 1924. Serial No. 9,743. Term of patent 7 years.



The design for a toy substantially as shown in the drawing.

65,515. SHOE. FRANK M. BOHR, Boston, Mass. Filed May 12, 1924. Serial No. 9,565. Term of patent 7 years.



The ornamental design for a shoe, as shown.

65,516. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed July 5, 1924. Serial No. 10,058. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,517. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed July 5, 1924. Serial No. 10,062. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,518. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed July 5, 1924. Serial No. 10,064. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

65,519. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed July 5, 1924. Serial No. 10,066. Term of patent 14 years.



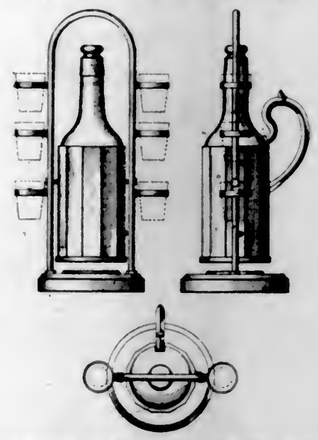
The ornamental design for a textile fabric, as shown.

65,520. ADVERTISING BADGE. SOLOMON BRUCK, Los Angeles, Calif. Filed Dec. 18, 1923. Serial No. 8,082. Term of patent 14 years.



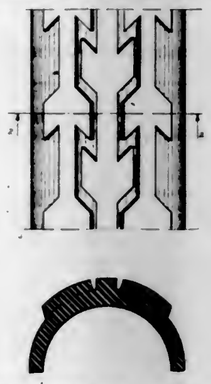
The ornamental design for an advertising badge as shown, and described.

65,521. COMBINED DECANTER AND STAND. HARRY COHEN, Mount Vernon, N. Y. Filed May 16, 1924. Serial No. 9,629. Term of patent 7 years.



The ornamental design for a combined decanter and stand, as shown.

65,522. TIRE. FRANK J. DOUGHERTY, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1922. Serial No. 3,799. Term of patent 14 years.



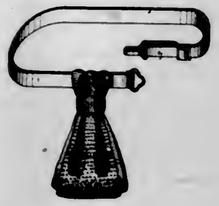
The ornamental design for a tire substantially as shown.

65,523. DOLL. AMY M. ESHLEMAN, Lancaster, Pa. Filed Mar. 8, 1922. Serial No. 1,078. Term of patent 7 years.



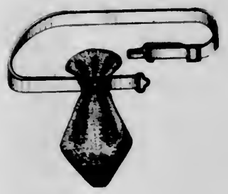
The ornamental design for a doll, as shown.

65,524. NECKTIE. LOUIS FRIEDMAN, New York, N. Y. Filed Dec. 13, 1923. Serial No. 8,029. Term of patent 7 years.



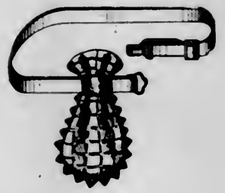
The ornamental design for a necktie, as shown.

65,525. NECKTIE. LOUIS FRIEDMAN, New York, N. Y. Filed Dec. 15, 1923. Serial No. 8,048. Term of patent 7 years.



The ornamental design for a necktie, as shown.

65,526. NECKTIE. LOUIS FRIEDMAN, New York, N. Y. Filed Dec. 18, 1923. Serial No. 8,080. Term of patent 7 years.



The ornamental design for a necktie, as shown.

65,527. DRINKING GLASS. WILLIAM P. GRAHAM, New York, N. Y. Filed Apr. 2, 1924. Serial No. 9,130. Term of patent 7 years.



The ornamental design for a drinking glass or similar articles, as shown.

65,528. TUMBLER. WILLIAM P. GRAHAM, New York, N. Y. Filed Apr. 2, 1924. Serial No. 9,131. Term of patent 7 years.



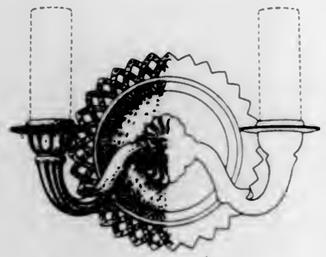
The ornamental design for a tumbler or similar article, as shown.

65,529. PADLOCK OR SIMILAR ARTICLE. FRANK GUILDENER, Catonsville, Md., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 12, 1923. Serial No. 4,874. Term of patent 14 years.



The ornamental design for a padlock or similar article as shown.

65,530. LIGHTING-FIXTURE BRACKET. ALBERT JAEGERS, Suffern, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed July 14, 1924. Serial No. 10,148. Term of patent 7 years.



The ornamental design for a lighting fixture bracket substantially as shown and described.

65,531. CLOCK CASE. MAX KATZ, Providence, R. I. Filed Mar. 18, 1924. Serial No. 8,988. Term of patent 14 years.



The ornamental design for a clock case, as shown.

65,532. WALL BRACKET FOR LIGHTING FIXTURES. MAX KLEIN, New York, N. Y. Filed Nov. 17, 1923. Serial No. 7,791. Term of patent 7 years.



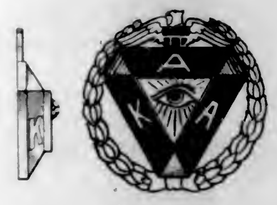
The ornamental design for a wall bracket for lighting fixtures, as shown.

65,533. WALL BRACKET FOR LIGHTING FIXTURES. MAX KLEIN, New York, N. Y. Filed Nov. 17, 1923. Serial No. 7,793. Term of patent 7 years.



The ornamental design for a wall bracket for lighting fixtures, as shown.

65,534. BADGE OR SIMILAR ARTICLE. JOSEPH A. MARINER, Los Angeles, Calif. Filed Sept. 19, 1923. Serial No. 7,261. Term of patent 14 years.



The ornamental design for a badge or similar article, as shown.

65,535. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,618. Term of patent 14 years.



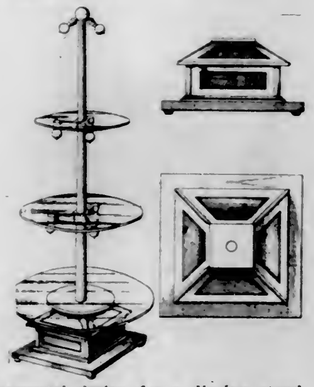
The ornamental design for a bottle as shown.

65,536. HUSK FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 6, 1924. Serial No. 8,556. Term of patent 14 years.



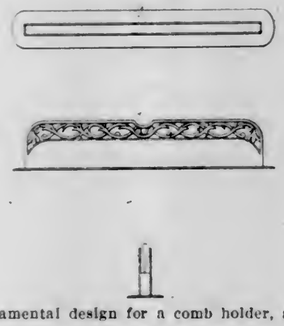
The ornamental design for a husk for lighting fixtures as shown.

65,537. DISPLAY STAND. FRED K. MITCHELL, Chicago, Ill. Filed Mar. 10, 1923. Serial No. 5,432. Term of patent 3½ years.



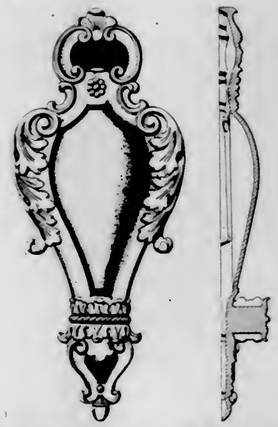
The ornamental design for a display stand, substantially as shown.

65,538. COMB HOLDER. ALMA MONFILS, Chicago, Ill. Filed May 26, 1924. Serial No. 9,705. Term of patent 7 years.



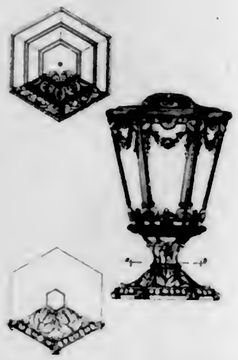
The ornamental design for a comb holder, as shown.

65,539. ELECTRIC FIXTURE WALL PLATE. WILLIAM OSTWALD, Chicago, Ill., assignor to Unique Lamp & Casting Co., a Copartnership, Chicago, Ill. Filed July 5, 1924. Serial No. 10,053. Term of patent 3½ years.



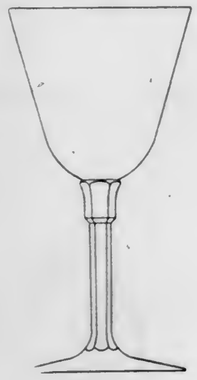
The ornamental design for an electric fixture wall plate, as shown.

65,540. LAMP. FREDERICK ROETTGES, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y., a Corporation of New York. Filed June 13, 1923. Serial No. 6,479. Term of patent 7 years.



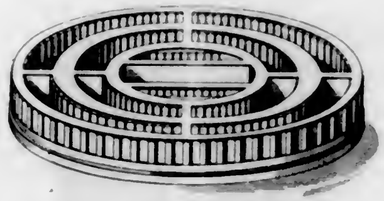
The ornamental design for a lamp as shown.

65,541. GOBLET OR SIMILAR ARTICLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed Jan. 10, 1918. Serial No. 211,304. Term of patent 3½ years.



The ornamental design for a goblet or similar article substantially as shown.

65,542. OPTICAL TRIAL CASE. ABRAHAM J. SHELLMAN, Grand Rapids, Mich. Filed Dec. 19, 1921. Serial No. 523,576. Term of patent 3½ years.



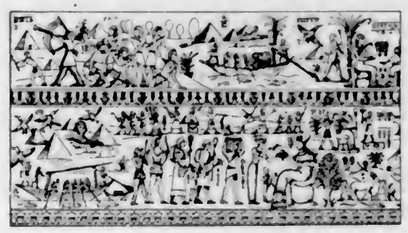
The ornamental design for an optical trial case, substantially as shown.

65,543. RING. FREDERICK A. SHIMP, Philadelphia, Pa., assignor to Skillkrafters Incorporated, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 3, 1923. Serial No. 6,938. Term of patent 3½ years.



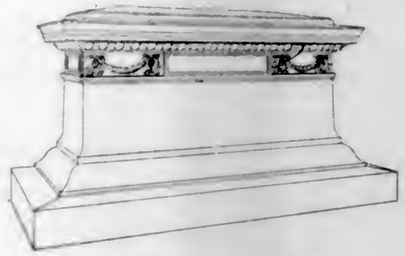
The ornamental design for a ring, as shown.

65,544. SHEET METAL OR SIMILAR ARTICLE OF MANUFACTURE. DAVID STOLL, New York, N. Y. Filed Mar. 27, 1923. Serial No. 5,607. Term of patent 3½ years.



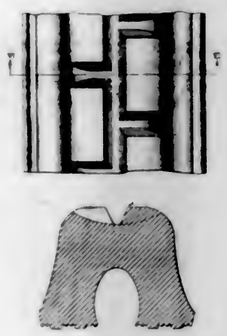
The ornamental design for sheet metal or similar article of manufacture as shown and described.

65,545. MONUMENT. LORENZ W. STOLZ, Beaumont, Tex., assignor to L. W. Stolz Marble & Granite Works, Jefferson County, Tex. Filed Dec. 15, 1922. Serial No. 4,600. Term of patent 7 years.



The ornamental design for a monument herein shown.

65,546. TIRE. WAYNE L. TOURTELLOT, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 15, 1922. Serial No. 3,729. Term of patent 14 years



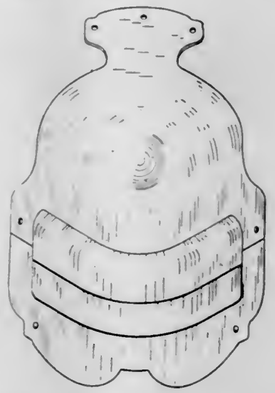
The ornamental design for a tire as shown.

65,547. RADIOCABINET. FRANK WALTHER EDUARD WEISSE, Cuero, Tex. Filed Dec. 4, 1922. Serial No. 4,486. Term of patent 3½ years.



The ornamental design for a radio cabinet as shown.

65,548. CORNER DOWEL. GEORGE HENRY WHEARY, Racine, Wis. Filed Jan. 26, 1923. Serial No. 4,998. Term of patent 7 years.



The ornamental design for a corner dowel, as disclosed herein.

65,549. COFFEEPOT OR SIMILAR ARTICLE. SAMUEL G. WILKES, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Filed Apr. 24, 1924. Serial No. 9,375. Term of patent 14 years.



The ornamental design for a coffee pot or similar article as shown.

65,550. DRESS. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1924. Serial No. 10,156. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown and described.

65,551. DRESS. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1924. Serial No. 10,157. Term of patent 3½ years.

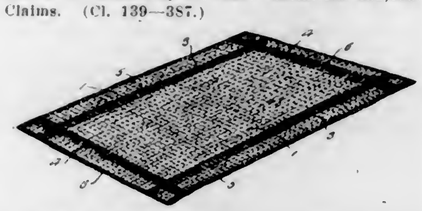


The ornamental design for a dress, substantially as shown and described.

PATENTS

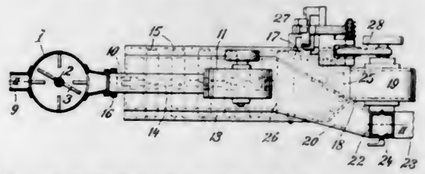
GRANTED SEPTEMBER 2, 1924.

1,506,731. BATHROOM RUG. BENEDICT M. AULL, Autun, S. C. Filed July 17, 1923. Serial No. 652,083. 3 Claims. (Cl. 139—387.)



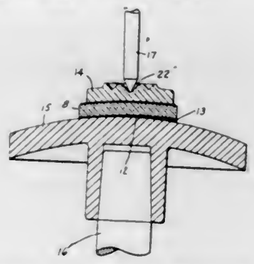
1. A bath room rug comprising a plurality of layers of material woven in an open mesh leno weave, said layers having longitudinal and transverse sections interwoven along the edges of the rug and at the ends thereof.

1,506,732. METHOD OF AND APPARATUS FOR DEHYDRATING FLUID BODIES. GEORGE HILLARD BENJAMIN, New York, N. Y. Filed Nov. 9, 1918. Serial No. 261,759. 10 Claims. (Cl. 159—47.)



6. In an apparatus for dehydrating fluids, the combination of means for converting the body to be dehydrated into a foam, means for introducing into contact with the foam, a heated water absorptive medium, and means adapted to bring about agitation and mixing of the foam and the water absorptive medium, to thereby separate the liquid from the solid constituents of the foam.

1,506,733. PROCESS OF MAKING MULTIFOCAL LENSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed Jan. 13, 1923. Serial No. 612,474. 3 Claims. (Cl. 51—278.)



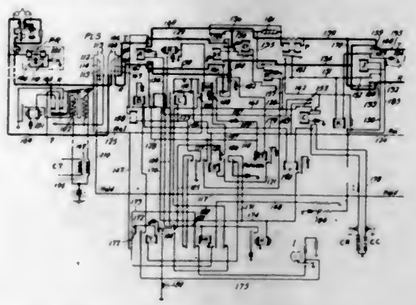
1. The process of making a multifocal lens, which process includes forming on one side of a lens blank one or more fields as desired, securing a counter piece of glass to the portion of the blank opposite to the portion upon which the desired additional field is to be generated, and grinding said additional field with a tool of the required curvature of the new field which overlaps both the counterpiece and additional field, whereby the blank will be balanced on the tool by the counterpiece during the operation.

1,506,734. COMMUTATOR BRUSH. WILLIAM S. CLICK, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 29, 1920. Serial No. 420,537. 12 Claims. (Cl. 171—326.)



2. A commutator brush having a conical aperture therein and a conductor having one end thereof folded upon itself and disposed within said aperture, and a tubular fastening member extending transversely through said folded end to maintain said conductor in said aperture.

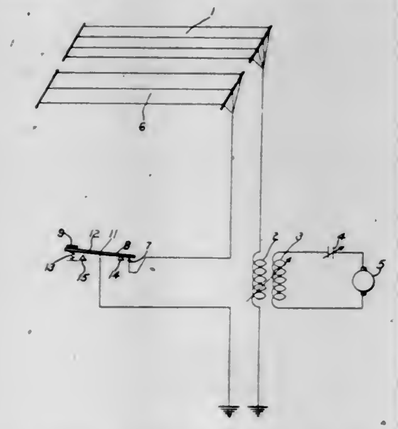
1,506,735. COIN-COLLECT SYSTEM FOR AUTOMATIC TELEPHONE EXCHANGES. ROY D. CONWAY, Chatham, and RALPH L. QUASS, Hawthorne, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1920. Serial No. 406,140. 15 Claims. (Cl. 179—63.)



1. In a machine switching telephone exchange system, the combination of calling and called telephone lines, automatic switches for interconnecting the same, a coin collector at the calling substation having a magnet, sources of interrupted current at the central office of different character for operating said magnet either to refund or collect a deposited coin, means controlled by the called party for selecting the source to be connected to the calling line to selectively operate said magnet, and

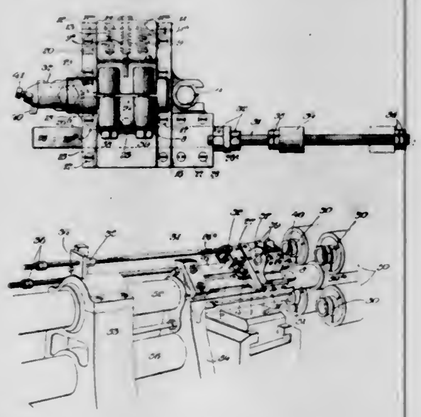
means automatically actuated by the replacement of the receiver by the calling party for applying current from the selected source to the calling line and for maintaining said source connected to said line until the coin is refunded or collected.

1,506,736. SIGNALING SYSTEM. LEO DORFMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,448. 15 Claims. (Cl. 250—17.)



1. A method of changing the resonant frequency of an antenna which consists in changing the effective height of the antenna leaving the physical height unaltered.

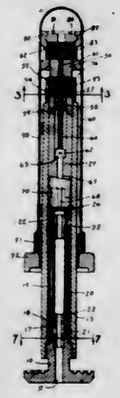
1,506,737. RECESSING OR CUTTING ATTACHMENT. ALFRED E. DRISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 11, 1922. Serial No. 542,934. 29 Claims. (Cl. 82—14.)



1. The combination of a work holder and tool holder adapted to carry a tool, means for moving one of said holders relatively to the other in longitudinal directions, a pattern cam constructed to shift said movable holder transversely thereby to bring the tool into position to cut the work in accordance with the pattern on the cam and to shift the same into position to prevent the tool from dragging over the work during the movement of the tool and work one way from the other, and means for restoring the pattern cam and said movable holder into their original positions during the final part of the movement of the tool and work one away from the other.

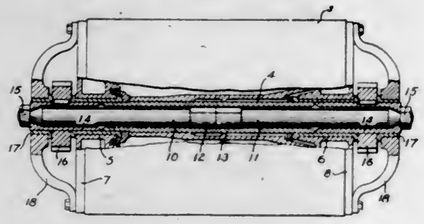
15. The combination of a work holder and support movable one toward and from the other, a tool holder slidable transversely of said support and having a cutting tool, pattern means cooperating with said tool holder for shifting said tool to cut a pattern in the work, and mechanism operative for releasing the tool holduer from the pattern only after withdrawal of the work and tool one from the other, said mechanism comprising an adjustable stop carried by said pattern means and resilient means coacting with said tool holder.

1,506,738. AIR VALVE AND GAUGE. LUCIEN T. EARNHEART, Saunemin, Ill., assignor to The Safety First Devices Company, Inc., Indianapolis, Ind., a Corporation. Filed Sept. 18, 1922. Serial No. 588,890. 4 Claims. (Cl. 152—11.5.)



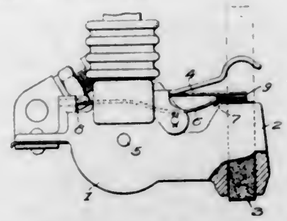
1. In a pressure indicating air valve structure, a fixed valve casing, a spring-withheld air-pressure gauge slidable in said casing, and means for limiting the torsional movement of the gauge and yet permitting some torsional adjustment of the gauge.

1,506,739. RESILIENT DRIVING CONNECTION. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,596. 4 Claims. (Cl. 64—29.)



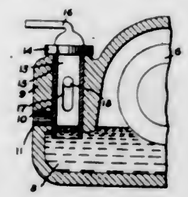
1. The combination with a driving member, of a hollow shaft therefor, a flexible shaft having one of its ends secured to the hollow shaft intermediate the ends thereof, and its other end extending to a point beyond one of the ends of the hollow shaft, a bearing for the hollow shaft, a sleeve member in juxtaposition to said hollow shaft embracing the outer end of the flexible shaft, a gear member carried by the sleeve, and a bearing for the sleeve member.

1,506,740. BRUSH-HOLDER SPRING. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1921. Serial No. 472,116. 2 Claims. (Cl. 171—324.)



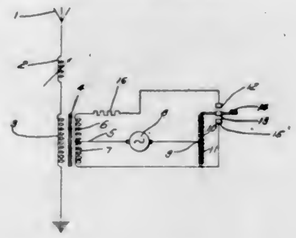
1. The combination with a spring, of a second member connected to a free end thereof, the points of connection being bounded by a line of greater length than the width of the spring.

1,506,741. LUBRICATING DEVICE. RALPH EHRENFELD, East Pittsburgh, Pa., and ANDREW A. KUCHER, Jersey City, N. J., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,446. 7 Claims. (Cl. 64—24.)



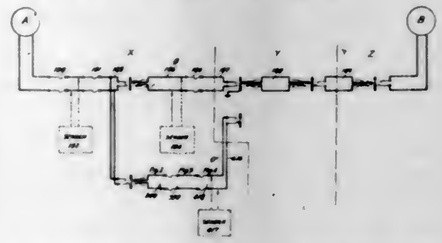
1. In combination, a housing having a reservoir therein provided with a substantially vertical passageway through one wall thereof, said housing being also provided with an overflow passage communicating with said passageway extending laterally through one of the side walls thereof and opening into the outside atmosphere, and a hollow member adapted to move longitudinally within said passageway and close said passageway and overflow passage when in one position and to open said overflow passage and permit the introduction of liquid into said passageway when in another position.

1,506,742. MODULATING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1921. Serial No. 480,372. 19 Claims. (Cl. 250—19.)



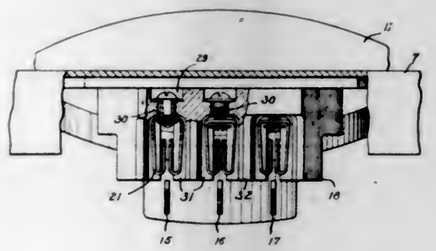
1. A modulating system including a main inductance winding having an intermediate tap, an auxiliary inductance winding having an intermediate tap, a translating device connected between said intermediate taps and means for changing the relation of said translating device to said main inductance so that the inductive reactance thereof either is, or is not, effectively related to said translating device.

1,506,743. TELEPHONE EXCHANGE SYSTEM. JOHN W. GOODERHAM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,422. 14 Claims. (Cl. 179—27.)



1. In a telephone exchange system, an originating office, a second office, a trunk line extending between said offices, a subscriber's line terminating in said first office, means for extending a connection from said subscriber's line to said trunk line, and means at said first office for maintaining another connection with said subscriber's line after said first mentioned connection has been disestablished.

1,506,744. FLOATING CONTACT TERMINAL. LEWIS J. GREENAWALT, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed June 30, 1921. Serial No. 481,533. 6 Claims. (Cl. 219—37.)



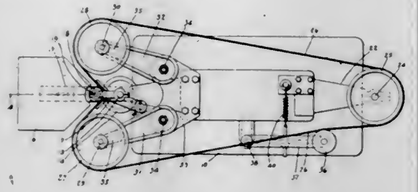
1. In an electric heating device, the combination with a support, and an insulating member mounted on said support, of a combined connector and contact terminal loosely mounted on said insulating member.

1,506,745. CORNER-SMOOTHING MACHINE FOR GLASSWARE. HARRY O. GRIFFITH, Indianapolis, Ind., assignor to Marietta Manufacturing Company, Indianapolis, Ind., a Corporation. Filed Nov. 15, 1922. Serial No. 601,183. 9 Claims. (Cl. 51—135.)

1. A machine of the character described, comprising an endless abrasive belt, means for driving said belt, corner pulley about which said belt is adapted to pass, and a third pulley positioned intermediate said corner pulleys and engaging the opposite abrasive surface of said belt for maintaining said belt in a given curvature against which the corners of the work may be engaged.

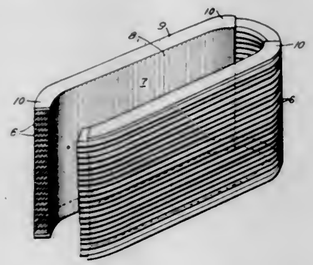
2. A machine of the character described, comprising an endless abrasive belt, means for driving said belt, a pair of pulleys pivotally mounted on said machine about which said belt is adapted to pass, means for ad-

justing the position of said pulleys, and a third pulley positioned intermediate said pulleys out of the plane therebetween and engaging the opposite abrasive surface



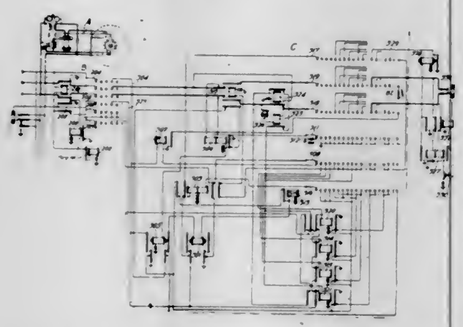
of said belt for maintaining the same at a given curvature for grinding the corners of the work to the curvature thereof.

1,506,746. FIELD-COIL-INSULATING SHIELD. ISRAEL L. GRIFFITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,612. 4 Claims. (Cl. 171—252.)



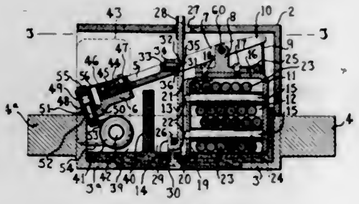
1. In a dynamo-electric machine, the combination with a pole piece and a coil, of an insulating member comprising a channel member of insulating material provided with extremities curved in an arc of less than 90° and adapted to be removably disposed between said coil and said pole piece.

1,506,747. TELEPHONE-EXCHANGE SYSTEM. JOHN A. HALL, Bayside, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1919. Serial No. 327,733. 5 Claims. (Cl. 179—27.)



1. In a telephone system, telephone lines, switches for extending said lines, groups of trunks, senders for said lines, switching means for further extending said lines to a trunk in any one of said groups, and means associated with certain calling lines, whereby said switching means is automatically operated, when a certain trunk group is dialed, to extend the calling line to an idle trunk in a different group.

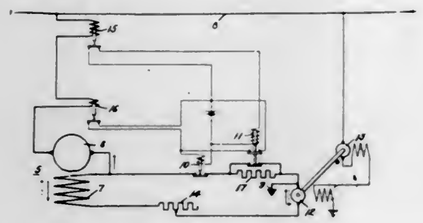
1,506,748. ELECTROMAGNETIC FUSE. JOHN W. HAYWOOD, New York, N. Y., assignor, by mesne assignments, to Horne Electric & Manufacturing Company, a Corporation of New Jersey. Filed July 1, 1920. Serial No. 393,387. 4 Claims. (Cl. 200—106.)



1. In an electromagnetic fuse, a contact plate, an extension therefrom, an arm adapted to contact with said extension and forming the main circuit, a magnetic coil arranged adjacent said plate and having one of its ends electrically connected therewith, an insulating bushing extending through said extension and a pin extending through said bushing and in electrical contact with the other end of said coil to form a secondary or blow-out circuit, adjacent to said main circuit.

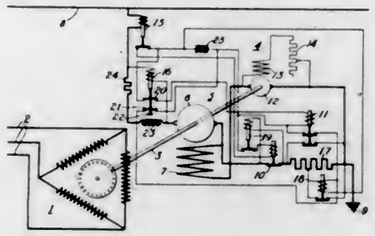
4. An electromagnetic fuse, comprising a narrow movable base having terminals on the ends thereof adapted to fit between fuse-clips, a generally longitudinal breaker-arm on said base, electromagnetic means controlling the release of said arm, a stationary contact connected with one of the fuse-clip terminals and disposed over the forward part of the base to cooperate with the forward part of the breaker-arm, and a magnetic blow-out having a core and coil in a chamber beneath said contact and in rear of said terminal and magnetic side pieces arranged adjacent the ends of the core of said blow-out coil and embracing the region of the break of the main contact.

1,506,749. PROTECTIVE APPARATUS FOR GENERATORS. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 9, 1918. Serial No. 227,420. 9 Claims. (Cl. 171—223.)



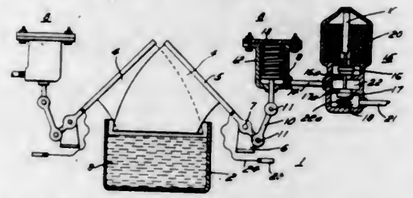
1. The combination with a generator provided with an exciting field winding, of an exciting source connected to said field winding, a load circuit connected to said generator, and automatic means whereby, if the load current delivered to said load circuit exceeds a predetermined amount, an electromotive force which is inherently dependent upon the load current is developed in the circuit of said field winding in opposition to the electromotive force of said exciting means.

1,506,750. OVERLOAD PROTECTION FOR GENERATORS. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 10, 1919. Serial No. 343,865. 29 Claims. (Cl. 171—223.)



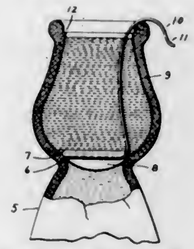
1. In combination with a dynamo-electric machine, means governed by overload current conditions for opening the generating load circuit thereof, and means for preventing the closing of said circuit until the possibility of excessive load current flow is removed.

1,506,751. LIQUID RHEOSTAT. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 15, 1921. Serial No. 477,688. 10 Claims. (Cl. 219—57.)



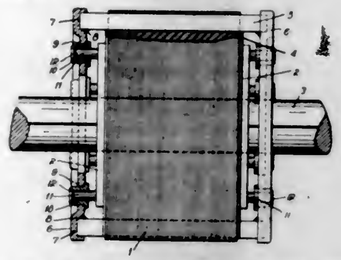
1. In a liquid rheostat, the combination with a tank, of an electrode, power-actuated means for lowering said electrode in said tank and automatic means for raising said electrode in said tank.

1,506,752. SEPARATOR FOR MILK BOTTLES. HERBERT E. HILL, Albany, N. Y., assignor to Cream Top Bottle Corporation, Albany, N. Y., a Corporation of New York. Filed Aug. 3, 1922. Serial No. 579,537. 3 Claims. (Cl. 31—85.)



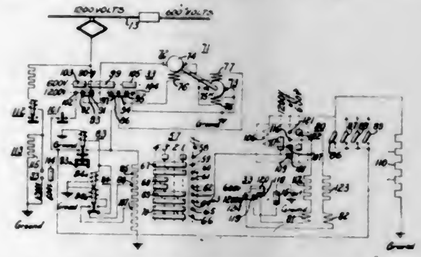
3. A separator for use with a milk bottle which presents an upwardly facing seat at approximately the cream line, said separator comprising a curved disk of non-flexible material and a handle rigidly fixed to the edge of the disk and provided with a curved end, said handle being of such length that when the disk is placed on the seat of the bottle with which the separator is to be used, such curved end will lie over the edge of the mouth of the bottle.

1,506,753. SUPPORT FOR ROTOR WINDINGS. SAMUEL C. HOEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,677. 9 Claims. (Cl. 172—120.)



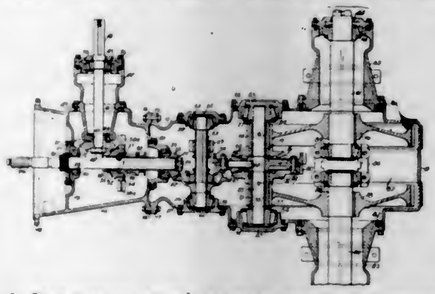
1. A rotor for dynamo-electric machines comprising a core member, a plurality of conductors carried by said core member, a support for said conductors and means for normally spacing said support an adjustable distance from said core with freedom of movement away from said core when said conductors are heated.

1,506,754. MOTOR-CONTROL SYSTEM. WILLIAM M. HUTCHISON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1921. Serial No. 499,226. 14 Claims. (Cl. 172—179.)



2. In a control system, the combination with a translating device and a source of electrical energy, of a switch having an actuating coil for connecting said source to said device, and automatic means for de-energizing said coil upon the voltage from said source becoming greater than a predetermined value and for re-energizing said coil upon the cessation of said abnormal voltage.

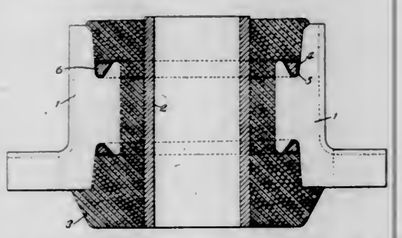
1,506,755. TRANSMISSION MECHANISM. LESTER H. KEIM, Pittsburgh, Pa., assignor to R. D. Nuttall Company, a Corporation of Pennsylvania. Filed July 15, 1919. Serial No. 311,002. 4 Claims. (Cl. 74—58.)



1. In a tractor, a rear casing, a plurality of variable speed gear wheels mounted in said casing, an engine driven shaft, a gear wheel rotatably mounted thereon,

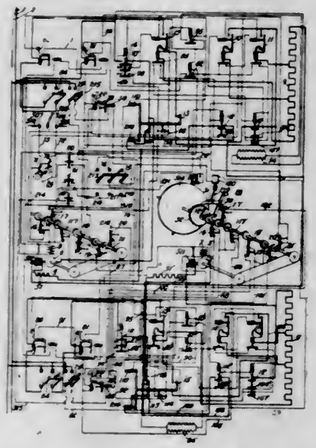
an auxiliary shaft disposed perpendicular to said engine driven shaft having a gear wheel adapted to co-operate with said rotatably mounted wheel, a casing for housing said engine driven shaft and its co-operating gear wheels, said casing having a transverse partition for a bearing support and flanged ends for joining the same to the engine frame.

1,506,756. COMPOSITE MOLDED STRUCTURE. WILLARD H. KEMPTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 28, 1918. Serial No. 242,498. 15 Claims. (Cl. 171—321.)



9. A finished commutator structure comprising a plurality of commutator segments provided with notched portions for retaining said segments against centrifugal action, a plurality of rigid ring members disposed in operative relation to said notched portions for assisting in holding said segments together, an integral mass of molded material embedding said notched portions and ring members, and a layer of impregnated porous material surrounding each of said ring members and forming an integral mass with said molded material.

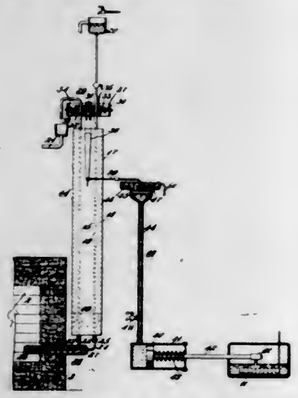
1,506,757. CONTROL SYSTEM. EDWIN S. LAMMERS, Jr., Elyria, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1919. Serial No. 295,507. 8 Claims. (Cl. 172—152.)



2. The combination with an electric motor, a pair of normally open switches for closing the circuit of said motor and a switch mechanically connected to one of said normally open switches for directly closing a dynamic braking circuit for said motor when said one switch occupies its open position, of means for insuring the automatic closure of first said one normally open switch and then said other normally open switch to render said motor operative.

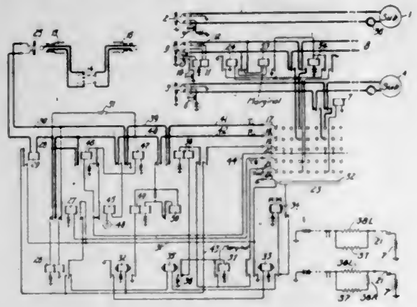
7. In a blast-furnace-charging mechanism, the combination with a bell motor and a skip-hoist motor, a pair of skips oppositely operable by said skip-hoist motor, a master switch for said skip-hoist motor and a limit switch momentarily operable by said skip-hoist motor to initiate the operation of said bell motor, of means for preventing said initiating operation until after the reversal of said skip-hoist motor.

1,506,758. FURNACE-REGULATOR SYSTEM. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 29, 1920. Serial No. 420,406. 12 Claims. (Cl. 204—64.)



1. In a furnace-regulator system, the combination with a pair of tubes, and means for effecting relative elongation between said tubes in accordance with the temperature of the furnace, of means controlled by the relative elongation between said tubes for regulating the temperature of the furnace.

1,506,759. TELEPHONE SYSTEM. ALBEN E. LUNDELL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1919. Serial No. 334,945. 4 Claims. (Cl. 179—27.)



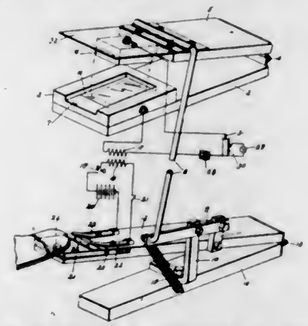
1. In a telephone system, lines and trunk lines, manual means for interconnecting said lines and for interconnecting said lines and said trunk lines, automatic switches, multiple terminal banks for said automatic switches, means individual to certain of said lines and said trunk lines for connecting said lines and trunk lines to said multiple terminal banks, means for connecting said switches to certain of said lines, and means responsive to said last lines for operating said switches to operate said individual means and establish connections to said lines and said trunks lines.

1,506,760. CALLING DEVICE. NOEL H. LYSONS, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 24, 1922. Serial No. 563,185. 3 Claims. (Cl. 179—90.)



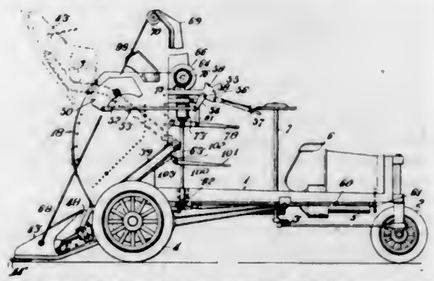
1. In an impulse sending device, a finger wheel for setting said device, contact springs, an interrupter for said contact springs, a motor spring for operating said device, and means integral with said motor spring for removing said contact springs from the control of said interrupter.

1,506,761. PROCESS AND APPARATUS FOR TESTING DIELECTRIC MATERIALS. BYRON MACPHERSON, Roxbury, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Sept. 2, 1920. Serial No. 407,820. 7 Claims. (Cl. 175—183.)



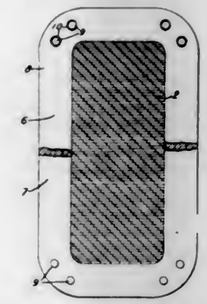
3. A testing apparatus comprising, in combination, a pair of terminals adapted to engage the opposite faces of a sheet of dielectric, one of said terminals having a dimension less than the corresponding dimension of the sheet providing a margin on the sheet separating the terminals from each other, means for impressing a high potential on said terminals across said dielectric of an order to cause brushing around the margin when the sheet is good and a translucent member mounted between the observer and the location of brushing through which said brushing may be observed.

1,506,762. TRUCK. GEORGE MANIERRE, Milwaukee, Wis. Filed Feb. 14, 1921. Serial No. 444,868. 31 Claims. (Cl. 214—78.)



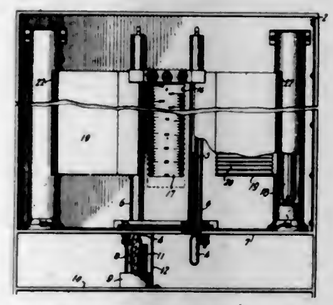
1. In combination with a truck a load carrying box having several compartments mounted on the truck, a load conveying element mounted on the truck and adapted to discharge into said box, the box being provided with a cam portion, and means on the conveying element cooperating with the cam portion on the box for positively enforcing discharge of the contents of the load conveying element into the several compartments of the box.

1,506,763. FIELD-COIL COLLAR. EMIL MATTMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1918. Serial No. 269,147. 8 Claims. (Cl. 171—252.)



6. A spacing member comprising a metallic member provided with projections, and a similarly shaped insulating member provided with openings into which said projections fit loosely.

1,506,764. APPARATUS FOR AND METHOD OF RECORDING THE TEMPERATURE AND HUMIDITY OF THE ATMOSPHERE. DAVID T. MAY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1921. Serial No. 483,393. 11 Claims. (Cl. 234—11.)



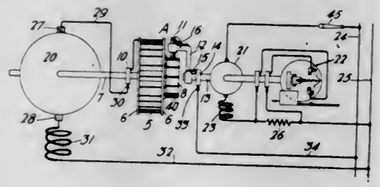
1. The method of recording temperature which comprises directing light rays upon a thermometer tube to form an image on a light-sensitive chart of that portion of the tube through which the rays pass, and simultaneously forming adjacent said image an image of a scale corresponding to the calibration of said thermometer.

4. In a recording device, an index, a transparent screen containing a scale, a light sensitive chart disposed on one side of said index, a source of light disposed on the opposite side of said index, and means for directing rays of light from said source upon said index and upon said screen for independently photographing said index and said scale upon said chart.

7. In a device for recording temperature, a thermometer, a scale corresponding to the calibration of said thermometer and independent thereof, a light-sensitive chart disposed on one side of said thermometer, a source of light disposed on the opposite side of said thermometer at an acute angle with said chart, means for photographing said scale upon said chart, means for

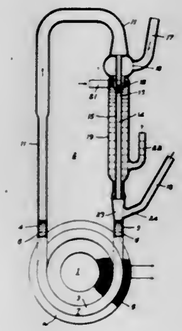
directing rays from said source of light upon the indicating column of said thermometer, and means for forming adjacent the image of said scale an image of that portion of the indicating column of the thermometer above the liquid.

1,506,765. SYSTEM FOR CONTROLLING THE SPEED OF DYNAMO-ELECTRIC MACHINERY. FRANK W. MERRILL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 17, 1921. Serial No. 470,474. 6 Claims. (Cl. 171—229.



1. In a system for regulating the speed of a dynamo electric machine, a varinble impedance device for controlling the current supply to the field of said machine, said impedance device comprising two rotary elements, one rotatable by the dynamo electric machine, the speed of which is to be regulated, and the other rotatable at a constant speed and means whereby one of said elements may be rotated by the other.

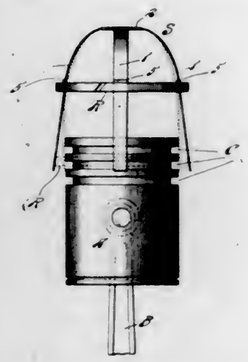
1,506,766. DIFFUSION PUMP. FREDERICK S. MCCULLOUGH, Wilkinsburg, Pa. Filed Dec. 11, 1922. Serial No. 606,346. 16 Claims. (Cl. 230—13.)



1. The method of increasing the velocity of a vapor arc blast at the entry of a condensation chamber of a vacuum pump, which consists in establishing a voltage drop in said blast.

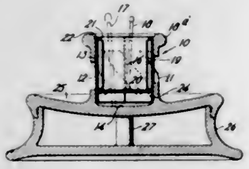
1,506,767. DEVICE FOR GUIDING EXPANSIBLE PACKING RINGS ONTO PISTONS. NELSON W. MCLEOD, St. Louis, Mo., assignor to Walter A. Zelnicker Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 17, 1921. Serial No. 523,231. 6 Claims. (Cl. 29—86.4.)

1. In a device for guiding expansible packing rings onto pistons, a slide comprising a central connection and normally straight resilient legs radiating from and rigidly connected by said central connection, said legs having free outer end portions capable of being bent when the device is in use to positions where they embrace the peripheral



face of a piston and being adapted to return to their original positions after the packing ring has been located on said piston.

1,506,768. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed Apr. 6, 1922. Serial No. 549,986. 5 Claims. (Cl. 206—20.)



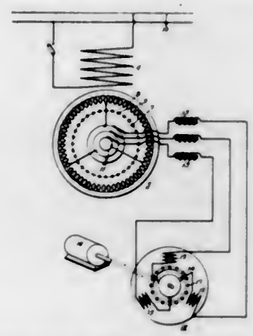
1. A match-cup or box insertible into a relatively large match-safe to enable the same to accommodate relatively small matches, said insertible box having a floor, and means to support said floor high above the bottom of the match-safe, so that when the small matches are inserted they will rise above the brim of the match-safe, said insertible box being made oversize and slit from top to bottom, so as to have an expanding fit within the match-safe.

1,506,769. THERMOSTAT. GEORGE T. NEWELL, Jr., Beverly, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,745. 6 Claims. (Cl. 297—15.)



1. A thermostat comprising an open-end casing of relatively thin material, a supporting member located at one end thereof and insulated therefrom, a substantially straight bimetallic strip adjustably mounted on said supporting member, a second bimetallic strip having a main portion extending substantially parallel to, coextensive with and spaced from, said first strip and having a return-bent portion, the metals in the main portion of the second strip being oppositely placed to those in the first strip, insulation between said straight bimetallic strip and said return-bent portion, and means for securing said return-bent portion, insulation, straight bimetallic strip, and supporting member in said casing.

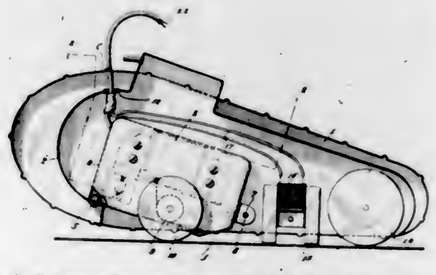
1,506,770. PHASE-MODIFYING SYSTEM. STANLEY G. NOTTAGE, Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 23, 1919. Serial No. 299,162. 14 Claims. (Cl. 172—120.)



1. A dynamo-electric machine of the induction type, including relatively rotating primary and secondary members, means for energizing said primary member in such manner that oppositely rotating component symmetrical fields are produced, whereby high-frequency and low-frequency currents will be generated in said secondary member, means for substantially segregating said secondary currents in different paths, and means for modifying the phase of the low-frequency currents without appreciably modifying the phase of the high-frequency currents.

5. The combination with a phase-modifying machine of the commutator type, of means for simultaneously supplying alternating currents of two frequencies to the armature member thereof, and damping means applied to said machine in order to largely suppress the higher-frequency currents.

1,506,771. LOCOMOTIVE TOY AND THE LIKE. WILLIAM J. O'LEARY, Montreal, Canada. Filed May 29, 1920, Serial No. 385,218. Renewed Nov. 10, 1923. 6 Claims. (Cl. 105—49.)

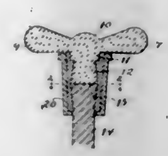


4. A locomotive toy comprising a body portion, driving mechanism comprising a motor and a drive wheel mounted in the forward part of said body portion, a trail wheel adjacent the rear part of said body portion an electric circuit leading to said motor, and electromagnetic means connected with said circuit in such manner as to be energized when said motor is energized and to maintain both wheels in contact with a magnetizable material so as to sustain the toy suspended therefrom while the motor is energized.

1,506,772. DIE-CASTING METAL. CHARLES PACK, Elmhurst, N. Y., assignor to Doehler Die-casting Co., a Corporation of New York. Filed Jan. 25, 1923. Serial No. 615,450. 8 Claims. (Cl. 75—17.)

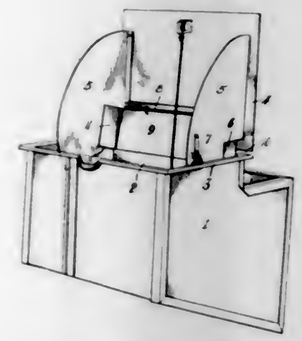
1. The method consisting in mixing a small quantity of chromium and nickel in molten zinc together with a suitable flux.

1,506,773. HANDLE FOR FAUCETS AND MEANS FOR ATTACHING. CHARLES READ, New York, N. Y. Filed May 9, 1923. Serial No. 637,686. 2 Claims. (Cl. 251—150.)



2. A knob for faucets comprising a body member having a tapered extension, a chuck in four parts, the exterior of each being screw-threaded and a screw-threaded shell adapted to engage all said parts, to close said parts upon said extension and said valve stem.

1,506,774. COAL CHUTE. WILLIAM D. REDRUP, Huntington, Ind., assignor to The Majestic Company, Huntington, Ind., a Corporation of Indiana. Filed Apr. 6, 1923. Serial No. 630,196. 4 Claims. (Cl. 193—33.)

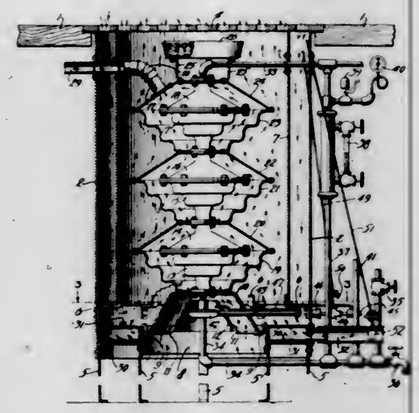


1. A chute of the class described, having an upwardly directed top opening, a door hinged to the top at one edge of the said opening and adapted to be raised to upright open position, wings projecting from the inner side of the door adjacent to its side edges and being of a length to project substantially into the chute opening when the door is in raised position, whereby the door and wings form a directing hopper for the chute, one of said wings being capable of inward springing movements, and means carried by said last mentioned wing and adapted to have catch engagement with the chute top to retain the door in open position and to be released by an inward springing of the wing.

1,506,775. HEATER. LESTER CLIFTON ROE, Bayside, N. Y. Filed Sept. 30, 1922. Serial No. 591,458. 4 Claims. (Cl. 126—116.)

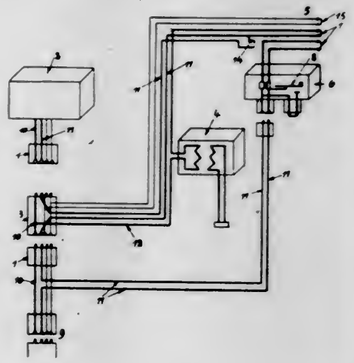
1. A heater comprising a fluid fuel burner, a water compartment formed of a plurality of interchangeable units, a plurality of shells surrounding said water compartment units and conforming in shape thereto and forming a hot gas compartment between said shells and said water compartment units, a cylindrical shell surrounding said last mentioned shells and forming therebetween a hot air compartment, an outer shell

surrounding said cylindrical shell and forming therebetween a cold air compartment, said cold air compartment and said hot air compartment being connected



at the bottom thereof, and a register surmounting said heater connecting said cold and hot air compartments to the room above said heater.

1,506,776. INTERMEDIATE CONNECTION AND SWITCHING DEVICE FOR HEATING DEVICES. BRUNO ROSENBAUM, Berlin, Germany. Filed Sept. 2, 1921. Serial No. 498,180. 3 Claims. (Cl. 171—97.)



1. In a combined radio transmitting and heating system comprising a radio transmitter, a transmitter key, an electrical heater, and a source of electrical energy, means for interrupting the energy supplied to the radio transmitter, and means for simultaneously transferring the power from the wireless transmitter to the heater and rendering said transmitter key inaccessible.

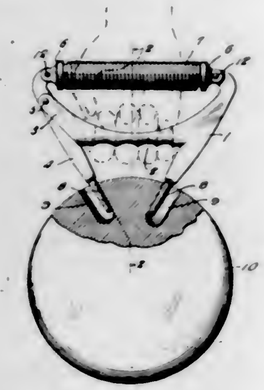
1,506,777. SECTION INSULATOR. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,868. 5 Claims. (Cl. 191—39.)

1. A section-break device for trolley conductors comprising three parallel relatively thin spaced plates of insulating material joined, adjacent to their ends, to conductor-receiving members, the central insulating member constituting a trolley runner, transverse bolts ex-



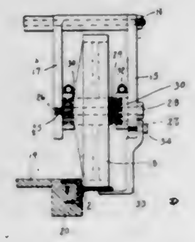
tending through all of the insulating members, and sleeves on the bolts between the central and outer insulating members.

1,506,778. STEEL FINGER DEVICE FOR USE WITH BOWLING BALLS. GEORGE SENN, Green Bay, Wis. Filed Oct. 29, 1923. Serial No. 671,414. 3 Claims. (Cl. 46—66.)



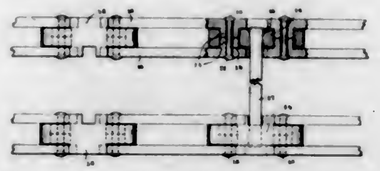
1. In a device of the class described comprising a handle having a finger member formed integrally therewith, a second finger member pivotally mounted to the handle, and resilient means operatively connecting the outer ends of said finger members.

1,506,779. CLOTH-PILING MACHINE, TRACK AND WHEEL MOUNTING. MORRIS L. SHAPERA, Muncie, Ind. Filed Mar. 16, 1923. Serial No. 625,674. 2 Claims. (Cl. 295—44.)



1. A wheel mounting including in combination a pair of spaced supports, an axle supported thereby, a hub rotatably supported upon said axle and having oppositely extending threaded ends, and thrust and locking nuts associated with each end of the hub for adjustably spacing the wheel hub within said supports.

1,506,780. CONVEYER CHAIN. STANLEY B. SHERMAN, Racine, Wis. Filed Mar. 5, 1923. Serial No. 623,049. 4 Claims. (Cl. 198—189.)



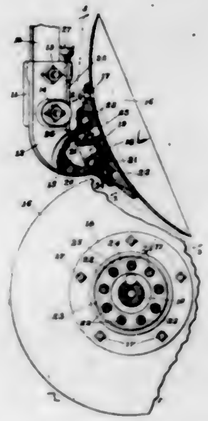
1. In a conveyer chain of the class described, two lines of links, castings connecting the adjacent ends of the links of each line, said castings being provided with tapered openings and cross bars extending between each opposed pair of castings and wedged in said tapered openings.

1,506,781. VARIABLE LEAKY CONDENSER. JAMES E. SHRADER, Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,283. 9 Claims. (Cl. 250—41.)



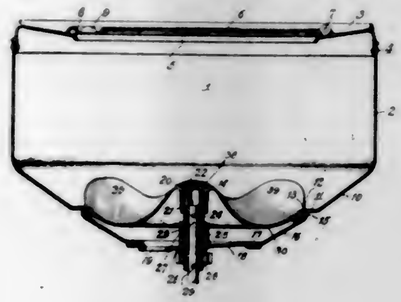
1. A variable leaky condenser comprising a plurality of conductors, dielectric material treated with a conducting material interposed between said conductors and means for varying the distance between said conductors.

1,506,782. MEANS FOR MOUNTING DISKS. WALTER H. SILVER, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 10, 1920. Serial No. 409,427. 16 Claims. (Cl. 64—66.)



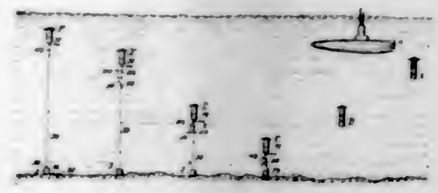
1. In combination, a disk, a standard, two mounting members each supported wholly by one of said parts, and a plurality of anti-friction devices interposed between said mounting members for rotatably securing the disk to the standard.

1,506,783. WASHING-MACHINE TUB. HOWARD F. SNYDER, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a Corporation of Iowa. Filed Oct. 23, 1922. Serial No. 596,278. 14 Claims. (Cl. 259—101.)



1. In a washing machine, a tub having a bottom, a gyratator operable near said bottom, the top surfaces of said gyratator and said bottom forming a smooth substantially continuous surface.

1,506,784. SUBMARINE MINE. ELMER A. SPERRY, Brooklyn, N. Y. Filed Sept. 21, 1917. Serial No. 192,571. 16 Claims. (Cl. 102—3.)

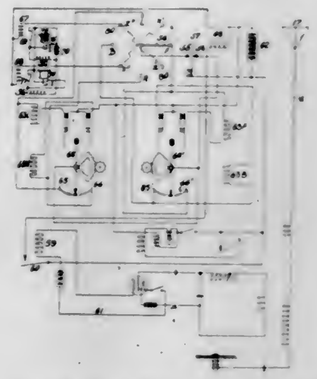


1. A mine adapted to be launched from a torpedo tube comprising a buoyant top portion adapted to contain an explosive charge, an anchor portion detachably connected therewith, an extensible connection between said two portions, a mass slidably connected to said connection, and means controlled by said mass for arming said mine.

3. In a submarine mine, a buoyant portion adapted to contain an explosive charge, a detachable anchor portion, a cable connecting said portions, and a flat resilient member coiled within said buoyant portion adapted to project outwardly into the water upon separation of said portions.

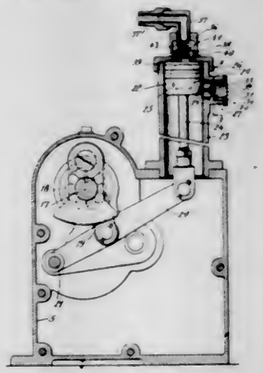
8. In a submarine mine, an anchor portion, a buoyant portion, and an auxiliary anchor attached to said anchor portion for confining the radius of movement of said anchor portion.

1,506,785. GRAVITY BOMB. ELMER A. SPERRY, Brooklyn, N. Y. Filed June 7, 1921. Serial No. 475,640. 20 Claims. (Cl. 102—2.)



16. In combination, a gravity bomb, retarding means attached thereto, means for releasing one portion of the bomb from said retarding means, and means responsive to the release of said portion for destroying the other portion thereof.

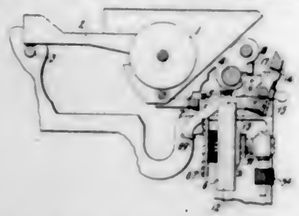
1,506,786. PUMP. GREGORY JOHN SPOHRER, East Orange, N. J. Filed July 9, 1919. Serial No. 309,537. 2 Claims. (Cl. 230—27.)



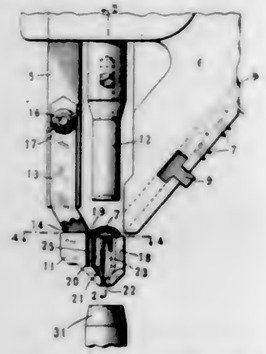
1. In a pump, the combination with the piston rod and the crank shaft, of connections between the piston rod and the crank shaft such that the stroke of the piston is materially lengthened without increase in the throw of the crank, and wherein lateral play of the piston rod is substantially eliminated, said connections comprising a lever pivoted at one end to a fixed support and connected at the other end to the piston rod, and a link pivoted to the lever and operatively connected to the crank shaft whereby in normal operation the lever oscillates and the movement of the end of the lever connected with the piston rod is amplified in the direction of the axis of the piston.

1,506,787. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1921. Serial No. 492,967. 22 Claims. (Cl. 197—64.)

1. In a typewriting machine, a spring-drum having therein a retarding device connected to the drum to rotate in unison therewith in letter-feeding movements, but in the opposite direction during tabulating movements, and a centrifugal governor for pressing the retarding device against the drum and thereby rendering said retarding device effective to prevent excess speed of rotation of the drum.



1,506,788. GUIDE FOR RIVETING MACHINES. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed July 19, 1922. Serial No. 575,947. 3 Claims. (Cl. 218—3.)



2. In a riveting machine, a plunger and a cooperating anvil, means for feeding the rivets into position beneath the plunger, cooperating spring pressed rivet guides and the guide having matched cut-away portions defining a lateral opening through which the shank of a rivet may enter between the guide, having a pocket at the top thereof to receive the rivet heads, said guides having a rivet passage between them extending downward from the pocket and contracted toward the lower end thereof, the walls of said passage, including the contracted portions having separated ridges operating as guiding fingers for the rivet heads, and the guide members having matched cutaway portions defining a lateral opening through which the shank of a rivet may enter between the guides.

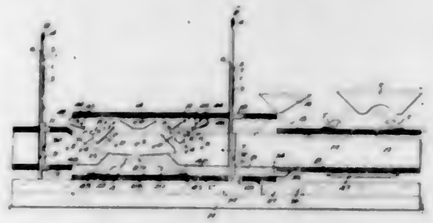
1,506,789. APPARATUS FOR DRYING PULP PRODUCTS. DANIEL MANSON SUTHERLAND, Jr., Trenton, N. J. Filed May 10, 1923. Serial No. 638,034. 5 Claims. (Cl. 34—16.)



5. In a drying apparatus of the character described, the combination of a main frame; two drying elements mounted in said frame, one movable toward and from

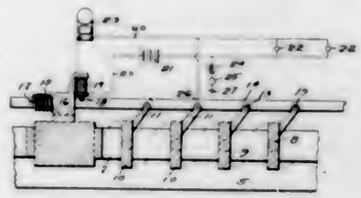
the other; means for effecting such relative movement; rolls rotatably mounted in said frame at opposite ends thereof; an endless woven wire belt having its upper stretch carried between and parallel with the opposing faces of the drying elements and passing about said rolls; means for imparting rotary motion to one of said rolls; and means for starting and stopping such motion at will.

1,506,790. KNITTING MECHANISM. SYDNEY E. TAFT, Framingham, Mass., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Feb. 18, 1920. Serial No. 359,646. 19 Claims. (Cl. 66—24.)



1. Knitting mechanism comprising, in combination, knitting instruments each having two loop forming elements operated independently of each other, means severally to function said elements during the loop forming operations, means separately to withdraw and restore the elements of selected knitting instruments and picker means to operate upon selected remaining instruments.

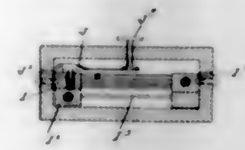
1,506,791. BANK PROTECTING STRUCTURE. CHARLES FRANKLIN TANNEHILL, Girard, Kans. Filed Sept. 16, 1922. Serial No. 588,714. 5 Claims. (Cl. 268—2.)



1. A grill comprising a window consisting of a plurality of vertically-pivoted shutters, the lower portions of said shutters being hinged to swing with respect to the upper portions thereof, to a position where the hinged portions will lie substantially at right angles to said upper portions.

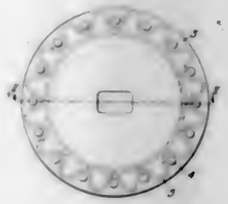
1,506,792. ELECTRICAL TESTING INSTRUMENT. CHARLES W. TERRY, Detroit, Mich., assignor, by mesne assignments, to Hyrate Manufacturing Company, a Corporation of Michigan. Filed Apr. 1, 1920. Serial No. 370,457. 1 Claim. (Cl. 171—95.)

An electrical testing instrument comprising a casing, a pair of terminals in said casings, a metering device connected between said terminals, leads extending from said casing for coupling said terminals into a circuit, a resistor bar extending between said terminals, a third terminal arranged to contact with one of said terminals, a series of resistor bars extending between said third terminal block and the other of said pair of terminals, and manually operable means for electrically disconnecting said third terminal block from said first terminal



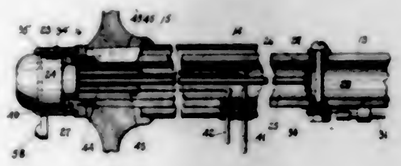
thereby disconnecting said series of resistance bars, and resilient means for automatically connecting said third and first terminals upon releasing said manually operable means.

1,506,793. TRANSFORMER GASKET. ARTHUR W. THOMPSON, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,184. 5 Claims. (Cl. 220—46.)



1. A container, a cover therefor, a sinuous gasket disposed therebetween, and a plurality of clamping devices disposed in spaced relation between two concentric circles defined by the extremities of the gasket convolutions.

1,506,794. VEHICLE CONTROLLING MECHANISM. HENRY A. WAGNER, Toledo, Ohio. Filed Mar. 4, 1920. Serial No. 363,279. 3 Claims. (Cl. 200—59.)



1. In combination, a switch operating push button, and a circuit controlling switch, both contacts of which are mounted within and bodily movable with said push button, said last-named switch having an operating lever extending laterally therefrom movable in a plane at right angles to the direction of movement of said push button.

1,506,795. MECHANICAL PENCIL. JOHN C. WAHL, Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 24, 1917. Serial No. 198,294. 7 Claims. (Cl. 120—18.)

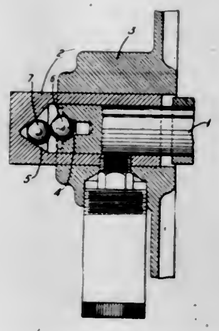
1. In a mechanical pencil having means to force a lead through a tip, the combination of a lead provided with a

body portion and extending portions adapted to be sheared from said body portion and means to shear said



extended portions from the body of the lead as the same is forced longitudinally through the tip, the tip and lead being held against rotation relative to each other.

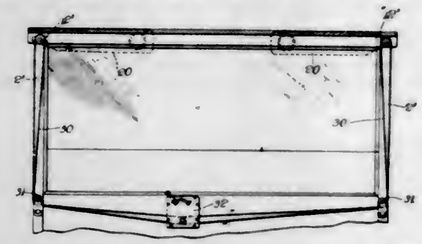
1,506,796. THRUST BEARING. CLIFFORD A. M. WEBER, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,310. 7 Claims. (Cl. 64—25.)



2. A thrust bearing comprising relatively rotatable members, one of said members presenting a substantially convexly spherically curved surface, a sphere disposed intermediate said members and contacting with said substantially convexly spherically curved surface, and means for maintaining said sphere slightly out of alinement with the axis of rotation of the member having the spherically curved surface and for restricting the circular movement of said sphere about said axis of rotation.

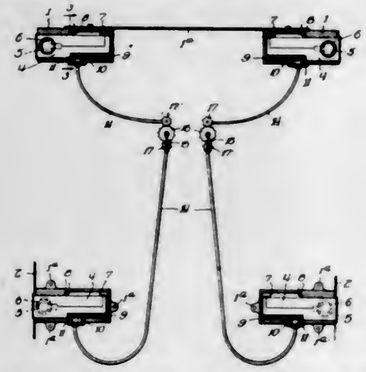
1,506,797. SIGNAL FOR ROAD VEHICLES. AUGUST WESSIG, Chicago, Ill. Filed Oct. 23, 1920. Serial No. 418,954. 2 Claims. (Cl. 116—54.)

1. The combination with a vehicle body, of semaphore arms mounted on portions thereof at opposite sides for swinging movement to laterally extended and depending positions, manipulating means operable within the vehicle body for swing said arms conjointly to extended position



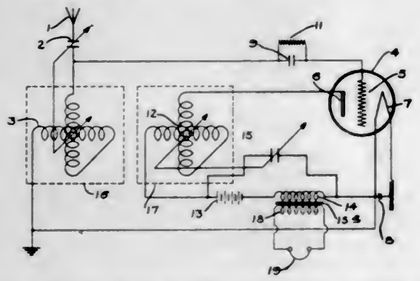
against the influence of gravity, and means effective upon the manipulating means to retain the arms in extended position against the influence of gravity.

1,506,798. SIGNALING DEVICE. AUGUST WESSIG, Chicago, Ill. Filed Nov. 16, 1921. Serial No. 515,469. 2 Claims. (Cl. 116—50.)



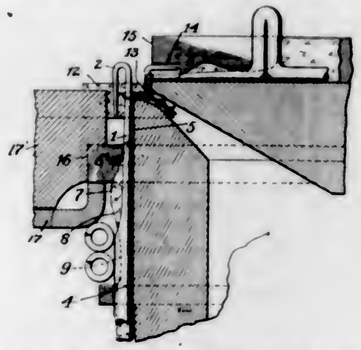
1. The combination with the vehicle body sheathing having an opening therein, of an indicating member housed within the sheathing and operable for projection and retraction through said opening, said indicating member including portions arranged to close said opening in either projected or retracted positions, and means for shifting the indicating member.

1,506,799. WIRELESS TUNING SYSTEM. PARKER E. WIGGIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 9, 1921. Serial No. 483,398. 12 Claims. (Cl. 250—20.)



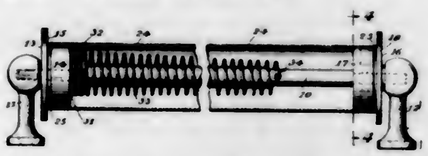
1. In an oscillatory-current system, the combination with a main circuit carrying oscillatory currents of a predetermined frequency, of an amplifier having controlling and controlled circuits, means for coupling one of said amplifier circuits to said main circuit, and means for tuning to resonance the other of said amplifier circuits in such manner that the currents traversing the same increase as the wave length thereof increases.

1,506,800. KNITTING MECHANISM. J. FRANK WILCOMB, Worcester, Mass., assignor, by mesne assignments, to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed June 20, 1919. Serial No. 305,473. 2 Claims. (Cl. 66—22.)



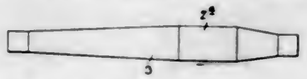
1. A rib knitting mechanism comprising two carriers, two rows of instruments for knitting rib fabric, each instrument having an inner element and a channeled element U shaped in cross section, embracing the inner element and in the same grooves therewith, the U shaped elements having throats to hold the two rows of loops definitely separated and instruments arranged opposite the verge of the carrier of one set of instruments to hold the loops to said verge against the thrust of the said channeled elements to lodge the said loops in the throats thereof.

1,506,801. SHADE ROLLER. CLINTON C. WORDEN, Bridgeport, Conn. Filed Jan. 26, 1924. Serial No. 688,667. 3 Claims. (Cl. 156—36.)



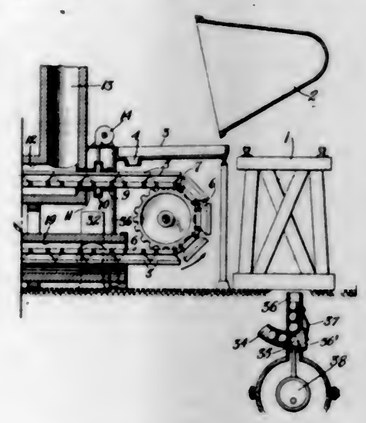
2. In a shade roller, a shaft, spaced apart pieces on said shaft, a barrel having its opposite ends rolled into annular grooves in said head pieces, whereby said barrel is secured to said head pieces, and a spring secured to one of said head pieces and to said shaft, the head piece with spring having threads into which said spring is fastened.

1,506,802. METHOD OF MAKING BRAKE LEVERS. HARRY T. ANDERSON, Butler, Pa., assignor of one half to Soren Hansson, Butler, Pa. Filed May 11, 1922. Serial No. 560,166. 2 Claims. (Cl. 29—164.)



1. The method of manufacturing brake-levers having three longitudinally spaced points of pivotal support which consists in heating a blank of suitable length and thickness, rolling and forging said blank, whereby said blank is elongated and the original thickness of metal is preserved at its intermediate point of pivotal support and the metal tapers from that point toward both ends, and drop forging the elongated blank to form the finished brake-lever.

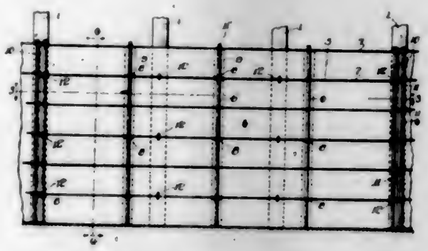
1,506,803. METHOD AND APPARATUS FOR RECOVERING HEAT. CARL P. ASTROM, East Orange, N. J. Filed Mar. 19, 1919. Serial No. 283,611. 20 Claims. (Cl. 49—77.5.)



1. The method of recovering heat consisting in charging a travelling conveyer with heated material, passing said charged conveyer into and through a conduit containing a current of air and sealed against escape of heated air where the conveyer enters and leaves, and discharging the heated air from said conduit to a heat utilizing vice.

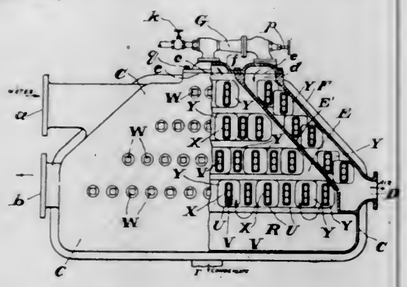
8. The combination with a conduit and means for forcing air therethrough of a conveyer moving through said conduit, means for casting molten material on said conveyer, and an air seal between the casting point and the conduit.

1,506,804. BUILDING MATERIAL. ROY G. BACHMAN, Chicago, Ill., assignor to Amorite Products Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1922. Serial No. 544,185. 12 Claims. (Cl. 72—116.)



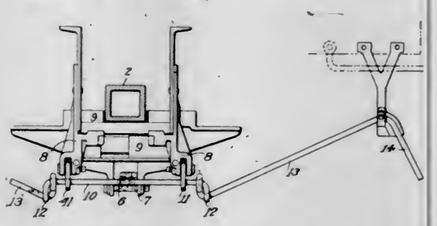
8. Building material comprising a sheet of backing material, said backing material being sufficiently stiff to ing air therethrough, of a conveyer moving through said backing member being provided with lath means having furring functions permanently attached thereto, said building material being imperforate, whereby to have good insulating qualities.

1,506,805. AUGMENTER COOLER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 16, 1921. Serial No. 445,536. 2 Claims. (Cl. 257—24.)



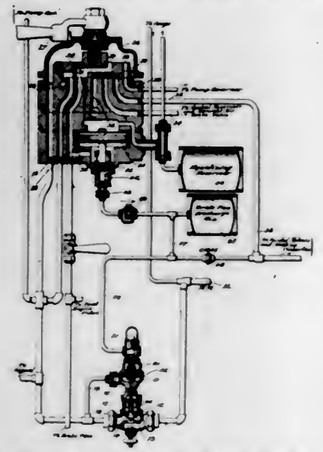
1. An augmenter cooler for devaporizing and cooling a flowing mixture of condensable vapor and gas, said cooler being in the form of a unitary structure comprising a wedge shaped casing larger at the bottom and smaller at the top and including a devaporizer and an intercooler, both having multiple cooling elements and connections for the circulation of cooling fluid, an inclined partition separating the devaporizer and intercooler, the devaporizer having an inlet at the bottom for the mixture of vapor and gas, and a discharge outlet at the top, and said intercooler having an inlet at the top adjacent the outlet of the devaporizer and an outlet at the bottom, said devaporizer outlet and intercooler inlet having a common cover seating surface, the outlet of the intercooler being adapted to be connected to evacuating means, and a cover removably mounted on said seating surface and provided with an augmenter ejector operatively connected between the discharge outlet of the devaporizer and the inlet to the intercooler, for increasing the absolute pressure of said mixture.

1,506,806. UNCOUPLING MECHANISM FOR CAR COUPLERS. ARTHUR J. BAZELEY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1921. Serial No. 444,339. 2 Claims. (Cl. 213—169.)



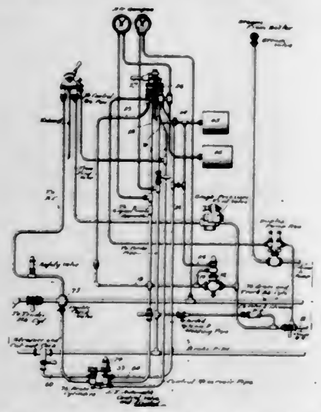
2. An uncoupling mechanism for a coupler mounted for radial movement in a car, comprising a lifting rod member carried loosely in a bracket and engaging the lock operating mechanism of said coupler, a bail-shaped member extending laterally beneath said lifting rod, floating supports depending from the underframing of the car for supporting the bail intermediate its ends, the bail being so mounted on its floating supports that upon actuation it will engage the rod at substantially the same distance from the point of engagement of the rod to the lock operating mechanism during the uncoupling operation, a laterally extending operating rod member having an end connected to an end of the bail, each member at such connection having its end arranged at an angle to its body and one of said ends terminating in a loop taking about the body of the other of the said members, whereby the said operating rod member is flexibly connected to the bail for limited rotation with said bail in one direction but independently of the said bail in the other direction.

1,506,807. METHOD OF CONTROLLING THE RELEASE OF AUTOMATIC AIR BRAKES. HENRY F. BICKEL, Plainfield, N. J., and BLYTHE J. MINNIER, Watertown, N. Y., assignors to The New York Air Brake Company, a Corporation of New York. Filed July 7, 1922. Serial No. 573,326. 5 Claims. (Cl. 303—66.)



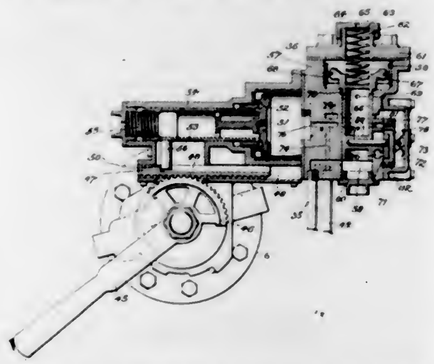
1. That method of controlling the release of automatic air brakes, including a brake pipe and a main reservoir normally charged to a pressure higher than brake pipe pressure, which consists in measuring the quantity of air discharged from the brake pipe in producing a brake application, and thereafter, during the releasing of said application, limiting the duration of flow of air at main reservoir pressure to the brake pipe according to such measurement.

1,506,808. AIR BRAKE. HENRY F. BICKEL, Plainfield, N. J., and BLYTHE J. MINNIER, Watertown, N. Y., assignors to The New York Air Brake Company, a Corporation of New York. Filed Oct. 30, 1922. Serial No. 597,967. 7 Claims. (Cl. 303—66.)



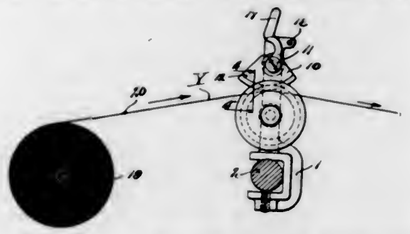
1. The combination with an automatic air brake system including a main reservoir, a brake pipe, an engineer's valve and a pressure reducing feed valve, the engineer's valve serving to control the discharge of the air from the brake pipe, and the feed valve and the engineer's valve serving conjointly to control feed of air from the main reservoir to the brake pipe alternatively with and without pressure reduction; of a mechanism operatively associated with said engineer's valve and said feed valve and conditioned by the release of air from the engineer's valve in applying the brakes, and proportionately to the quantity of air so released, to impose a corresponding time limit on the feed of air without pressure reduction to the brake pipe during the subsequent release of said application.

1,506,809. AIR BRAKE. HENRY F. BICKEL, Plainfield, N. J., and BLYTHE J. MINNIER, Watertown, N. Y., assignors to The New York Air Brake Company, a Corporation of New York. Filed Sept. 29, 1923. Serial No. 665,660. 5 Claims. (Cl. 303—66.)



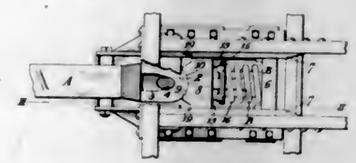
1. The combination with an automatic air brake system including a main reservoir, a brake pipe, a pressure reducing feed valve and an engineer's valve, the engineer's valve having an application position in which it discharges air from the brake pipe, a release position in which it feeds main reservoir air directly to the brake pipe and a running position in which it feeds main reservoir through said feed valve to the brake pipe, of a motor constructed and arranged to shift said engineer's valve from release to running position; and a controlling mechanism for said motor conditioned by the release of air from the brake pipe in the application function of the engineer's valve, in varying degree according to the quantity of air so released, said mechanism being rendered operative by the engineer's valve in release position and serving to actuate said motor after a time interval corresponding to said quantity condition.

1,506,810. YARN CLEARER FOR TEXTILE MACHINES. CHARLES R. BOWER, Methuen, and JOHN FITZPATRICK, Lawrence, Mass., assignors to Acadia Mills, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 24, 1923. Serial No. 659,167. 14 Claims. (Cl. 28—64.)



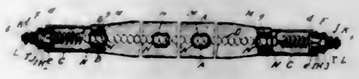
2. A yarn clearer comprising relatively movable parts having a yarn passage of substantially triangular cross section between them, said parts having opposed surfaces defining a flaring entrance to said passage, and being constructed and arranged automatically to approach and restrict the yarn passage when a slub enters said flaring entrance.

1,506,811. FRICTION DRAFT RIGGING. RALPH A. BROCKELSBY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 18, 1922. Serial No. 537,371. 7 Claims. (Cl. 213—36.)



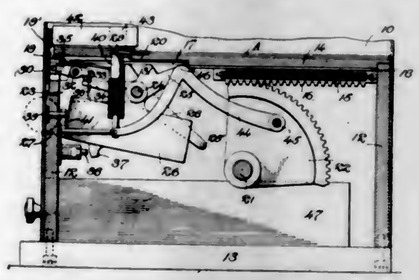
1. A friction draft gear comprising a central friction member having a forward projection slotted for connection with apertured rearwardly extending arms of a coupler, the projection and arms being connected by a transversely extending key, said central friction member having a broad, flat base of resistance and friction shoes arranged in re-entrant angles of said central friction member, spring mechanism between said shoes and the said base and a follower wedge threaded over the forward end of said central friction member engaging said shoes and arranged to take up the buffing stresses from the rear end of the coupler.

1,506,812. ELECTRIC HEATER. JOHN WILSON BROWN, Jr., Philadelphia, Pa. Filed Mar. 24, 1923. Serial No. 627,256. 13 Claims. (Cl. 219—65.)



1. In an electric heater, an integral casing, permanently fixed means for hermetically sealing same, a resistance within the casing and a liquid filling the casing.

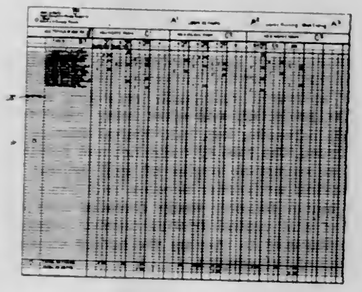
1,506,813. VENDING MACHINE. NICHOLAS CAMELO and THOMAS DOMBROWSKI, Rome, N. Y., assignors to Oneida Sani-Seat Company, Inc., Rome, N. Y., a Corporation of New York. Filed Sept. 6, 1921. Serial No. 498,641. 1 Claim. (Cl. 194—39.)



In a vending machine, a receptacle having a slot therein for the passage of articles to be dispensed, a projectile and retractible plunger operable when projected to effect delivery of an article through said slot, a member within said receptacle movable across said slot to open and close same, said member normally clos-

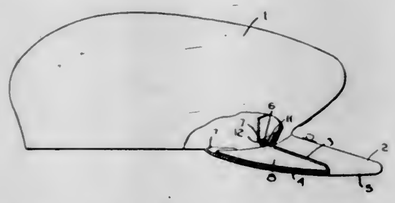
ing said slot, a pivoted tiltable member one end of which normally engages directly with said projectile and retractible plunger to lock said plunger in a retracted position, said tiltable member being adapted to be tilted and thereby released from locking position with respect to said plunger by the weight of a coin deposited in the machine, and a connection between said tiltable member and said slot closing member whereby the latter is moved to open the slot by said tiltable member in cooperation with said plunger when the locking member is tilted from its normal position and the plunger moved to deliver an article from the receptacle.

1,506,814. BLANK FOR COST-ACCOUNTING SYSTEMS. WILLIAM H. CHASE, Hopedale, Mass. Filed Apr. 5, 1921. Serial No. 458,681. 13 Claims. (Cl. 283—66.)



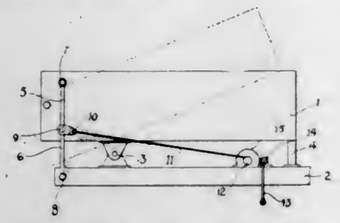
1. A classified blank of original entry for an accounting system showing comparative distributions and costs charged against the respective sections and the respective divisions of a department of an industry, comprising a ruled sheet having a series of parallel lines to receive the designation of entries of various materials, traversed by vertical lines dividing the same into a column for the designation of the materials, followed by a series of comparative data columns which are sub-divided to receive original entries and grouped within minor columns having sectional headings which in turn are grouped within major columns having divisional headings whereby comparative original entries of distribution and data charges will show against the classification of the material distributed and also against the sections and divisions for which the account is carried.

1,506,815. CAP WITH REMOVABLE VISOR. WALTER J. CORMAY, Auburndale, Mass. Filed Dec. 27, 1923. Serial No. 682,912. 4 Claims. (Cl. 2—195.)



2. A cap formed of flexible material having a body provided with a visor having an upper layer and a lower layer presenting a continuous outer edge and separated at their inner edges, a visor stiffener removably inserted through the opening between the inner edges of the visor and a series of snap fasteners for securing the upper and lower layers together at the rear of said visor stiffener.

1,506,816. LIFTING DEVICE. JOHN A. DIENNER, Chicago, Ill. Filed Mar. 30, 1921. Serial No. 457,048. 2 Claims. (Cl. 298—19.)



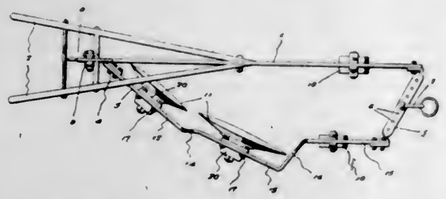
2. In combination, a frame, a load pivoted thereto, a pair of toggle links pivoted to each other and to the frame and load respectively, said links being substantially in line with each other to form a toggle for locking the load to the frame, one of said links having an extending arm to which power is applied for breaking the toggle to raise the load about said pivot.

1,506,817. BEARING PLANE FOR AIRCRAFT. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor, by mesne assignments, to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and said Claudius Dornier, both of Friedrichshafen, Germany. Filed Dec. 23, 1921. Serial No. 524,477. 1 Claim. (Cl. 244—31.)



A bearing plane for aircraft having the cross section of a streamlined body with about one fifth of its length cut away at its rear end.

1,506,818. CULTIVATOR. GUSTAV A. MEYERS and FREDERICK J. DUHRSEN, Hukalau, Territory of Hawaii. Filed Apr. 3, 1922. Serial No. 549,301. 2 Claims. (Cl. 97—54.)

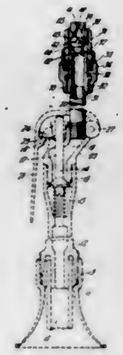


1. A cultivator of the class described comprising a main beam, an auxiliary beam having its rear end connected with the rear end of the main beam, a cross bar connecting the front ends of the beams together, a clevis adjustably connected with the cross bar, said auxiliary beam having a portion extending at an angle from the main beam and plows carried by said portion.

1,506,819. VARIABLE-JET LIQUID SPRAYER. ROBERT GORDON EDGELL, Bathurst, New South Wales, Australia. Filed June 20, 1923. Serial No. 646,672. 1 Claim. (Cl. 299—117.)

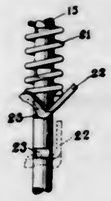
A spray nozzle comprising a tubular stem, the outer end of which is formed with an inwardly extending shoulder while the lower portion is threaded interiorly

for attachment and also threaded exteriorly, a double conical head integral with the shoulder and truncated at the top, water passages provided through the shoulder of the said stem below the head, a sleeve threaded at opposite ends for adjustable engagement with the exterior thread of the stem and provided with a recess, a packing gland arranged in said recess and movable



along the stem on adjustment of the sleeve, a sleeve head adjustably engaged with the outer end of the sleeve and coacting with the gland, a conical based nipple carried on the top of said sleeve, the cone of said nipple corresponding with the cone of the top of said head, and the truncated cone head of the stem being provided with an angularly disposed slot, substantially as and for the purposes set forth.

1,506,820. PRESSURE-REGULATING MECHANISM. THEODORE J. ERDMAN and JOHN SCHAEFFER, Horicon, Wis., assignors to Van Brunt Manufacturing Company, Horicon, Wis., a Corporation of Wisconsin. Filed Apr. 10, 1922. Serial No. 551,382. 11 Claims. (Cl. 261—1.)



1. In a device of the class described, the combination of a rod having a series of notches therein, a spring surrounding the rod, and an adjustable abutment for the spring comprising a clip having a slot, one portion of the slot being larger and one portion smaller than the rod, the smaller portion being adapted to engage a notch in the rod to hold the clip in adjusted position.

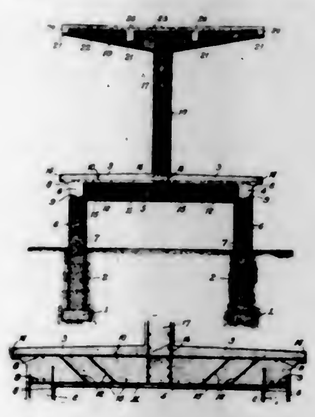
1,506,821. STEERING DEVICE. ANTON FLETTNER, Berlin, Germany. Filed Mar. 25, 1922. Serial No. 546,839. 12 Claims. (Cl. 114—167.)

1. In a steering mechanism in combination, a main rudder, an auxiliary rudder connected with said main rudder, driving means for operating said auxiliary rudder and mechanism inserted between said driving means and



said auxiliary rudder for causing said auxiliary rudder to execute pendulumlike movements of varying angular velocity.

1,506,822. UMBRELLA SHED FOR TRAINS, ETC. CHARLES B. FOSTER, Indianapolis, Ind. Filed Nov. 10, 1919. Serial No. 336,941. 8 Claims. (Cl. 72—1.)



1. A structure of the class described, comprising a platform having supporting pillars, reinforced cross members on the pillars and a floor on the members, an umbrella structure having a rod of columns supported on the cross members, reinforcing members extending into the columns and the cross members, and a roof on the columns.

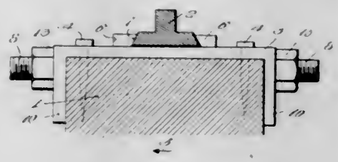
1,506,823. SPARK PLUG. ALFRED J. FRANCOEUR, Fall River, Mass. Filed May 4, 1923. Serial No. 636,723. 1 Claim. (Cl. 123—169.)



A spark plug comprising a metallic shell, an insulated body arranged therein and having openings arranged one above the other, a main electrode made up of a plurality

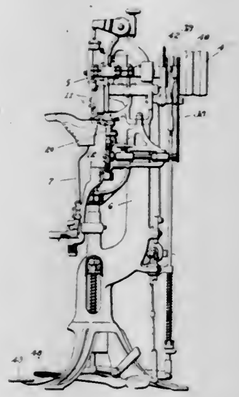
of sections having their adjacent ends spaced apart in the respective openings to form gaps, one of said gaps being wider than the other as and for the purpose specified.

1,506,824. SAWMILL TRACK ADJUSTER. KELLY I. FRANKLIN, Tillamook, Oreg. Filed Nov. 12, 1923. Serial No. 674,272. 2 Claims. (Cl. 238—282.)



1. A track rail adjuster comprising a slotted plate adapted to extend across the upper side of a sill, apertured abutments extending downwardly from the ends of said plate for contact with the vertical sides of the sill, a block slidably received in the slot of said plate and having provision for holding a rail, studs extending oppositely from said block through the aperture of said abutments, and nuts threaded adjustably on said studs in contact with the outer sides of said abutments.

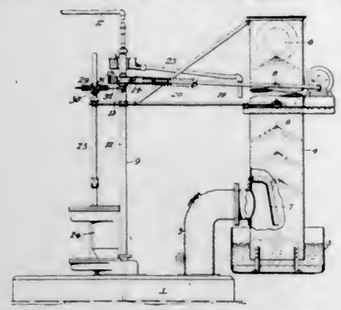
1,506,825. MACHINE FOR OPERATING ON THE SOLES OF BOOTS AND SHOES. FREDERICK M. FURBER, Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 23, 1917. Serial No. 198,142. 57 Claims. (Cl. 12—17.)



1. In a shoe machine, means for inserting fasteners successively in the sole of a shoe, means for feeding the shoe intermittently to the fastener inserting means for the insertion of successive fasteners, and means for cutting away a portion of the sole as it is being moved by the feeding means in the intervals between successive fastener inserting operations.

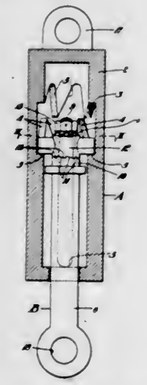
1,506,826. GAS PRODUCER. ALBERT L. GALUSHA, Caldwell, N. J. Filed May 27, 1922. Serial No. 564,092. 13 Claims. (Cl. 48—85.2.)

2. In a gas producer of the kind herein described, the combination with a spindle extending through the fuel bed, a rake carried thereby, a ratchet wheel secured to the spindle, a pawl engaging said ratchet wheel, a longi-



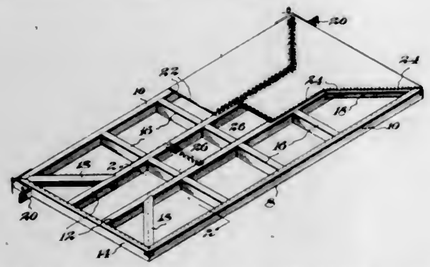
tudinally compressible rod actuating the pawl and a motor for reciprocating said rod.

1,506,827. TONGS AND THE LIKE. ROLPH F. GELLERT, Munhall, Pa. Filed Dec. 22, 1923. Serial No. 682,314. 6 Claims. (Cl. 294—106.)



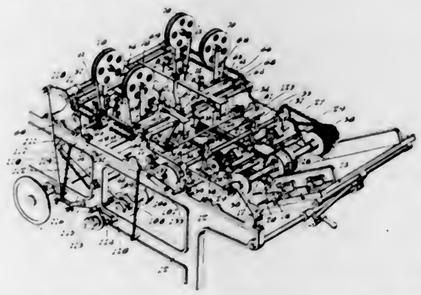
1. In a lifting device, relatively movable lifting members, a lifting connection for said members, and relatively movable interengaging locking means carried by said lifting connection and said members, respectively, for periodically stopping said members in different relative positions.

1,506,828. HIDE-STRETCHING APPARATUS. GEORGE GODDU, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 20, 1920. Serial No. 411,370. 20 Claims. (Cl. 149—21.)



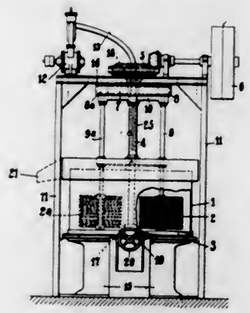
10. An apparatus for stretching hides having, in combination, a frame, supporting members on the frame, and hide engaging members secured to the supporting members for engagement with a hide, said hide engaging members being formed with diverging prongs at one end and with a split portion at the other end to secure them to the supporting members.

1,506,829. TABBING MACHINE. HAROLD J. GOSS, Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1923. Serial No. 629,549. 27 Claims. (Cl. 93—56.)



1. A blank tabbing machine having means for applying areas of glue to blanks and means for affixing to the blanks, by said glue areas, tabs of a size larger than the areas of glue.

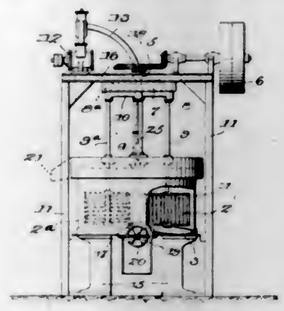
1,506,830. APPARATUS FOR MAKING FOOD PRODUCTS FROM GRAIN. PAUL GROSS, Berlin, Germany, assignor of one-fifth to Peaslee, Brigham and Gennert, New York, N. Y. Filed Aug. 3, 1922. Serial No. 579,525. 10 Claims. (Cl. 83—28.)



1. In an apparatus of the class described, the combination, with a trough adapted to receive the grain, of a rotary beater within said trough comprising a plurality of beating members each separately rotatable and spaced from the axis of the beater and each composed of beating bars, the bars of successive members being disposed at different angles with respect to each other and relatively to the axis of the rotary beater and having paths of movement which intersect.

1,506,831. PROCESS FOR THE MANUFACTURE OF WHOLE-GRAIN BREAD. PAUL GROSS, Charlottenburg, near Berlin, Germany, assignor of one-fifth to Peaslee, Brigham and Gennert, New York, N. Y. Original application filed Aug. 3, 1922, Serial No. 579,525. Divided and this application filed Jan. 25, 1924. Serial No. 688,538. 3 Claims. (Cl. 83—29.)

1. The process of treating grain to prepare it for food stuffs, which process comprises subjecting grain in a trough to a combined agitating and washing treatment to remove the husk from the grain, thus forming a dough mass including mashed grain and husk, stopping the agi-



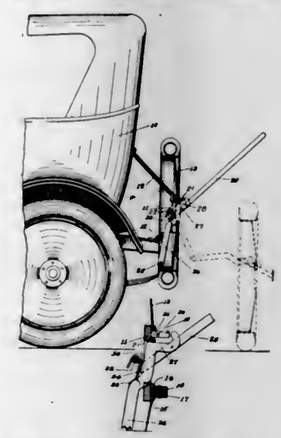
tating treatment, and moving the husk particles from the mass to the upper part thereof by forcing air upwardly through the mass.

1,506,832. ELECTRICAL-CIRCUIT CONTROLLER. CARL A. HELLMANN, Washington, D. C. Filed June 3, 1920. Serial No. 386,198. 7 Claims. (Cl. 200—23.)



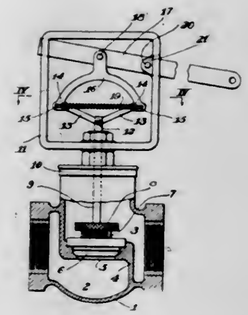
3. In a device of the kind described, periodically movable members carrying electrical contacts, and substantially stationary contacts adjacent the movable contacts, whereby said movable contacts may periodically engage corresponding ones of the stationary contacts, simultaneous engagement of certain of the stationary contacts with their cooperating movable contacts being adapted to control circuits.

1,506,833. LIFTING DEVICE FOR DEMOUNTABLE WHEELS. PAUL R. HIGGINBOTHAM, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,723. 11 Claims. (Cl. 224—29.)



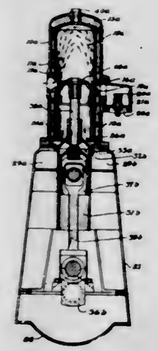
1. A lifting device for demountable wheels comprising a lever insertable through the central aperture of the wheel and means providing a shifting fulcrum for said lever.

1,506,834. CONTROL VALVE. CHARLES HOWARD HOOK, Pittsburgh, Pa. Filed Feb. 14, 1924. Serial No. 692,735. 8 Claims. (Cl. 137—139.)



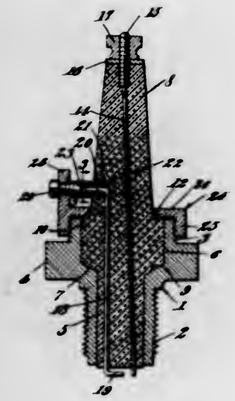
1. A mechanism for opening and closing a fluid supply main, comprising a casing having a passage therethrough, a valve adapted to close the passage, a stem attached to the valve and extending to the exterior of the casing, a frame rigidly mounted outside the casing, a movable actuating member mounted on the frame, a fork carried by the actuating member inside the frame, a pair of links pivotally attached to the exterior end of the valve stem at their inner ends, and slidably connected to the ends of the said fork at their outer end, and springs constantly urging the outer ends of the links towards each other.

1,506,835. INTERNAL-COMBUSTION ENGINE. LOUIS ILLMER, Cortland, N. Y. Filed Nov. 20, 1920. Serial No. 425,345. 12 Claims. (Cl. 123—59.)



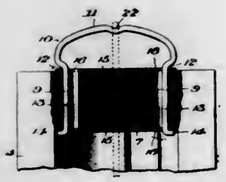
7. In an internal combustion engine, a pair of power cylinders, each provided with an intake valve, a power piston and a piston rod, a frame housing provided with guide bores, a crank mechanism for reciprocating said piston rods in unison, said mechanism comprising a pair of piston crossheads sliding in said guide bores, means serving to separate said guide bore from the bore of said power cylinder into crosshead chambers and into base chambers, respectively, a reservoir formed integral with the frame housing and communicating with both the base chamber of one power cylinder and the crosshead chamber of the second power cylinder, and a suction valve supplying working fluid to the reservoir and means establishing communication between said reservoir and the intake valve of the first named power cylinder.

1,506,836. SPARK PLUG. JOHN WILLIAM JACKSON, East Taunton, Mass. Filed Sept. 30, 1921. Serial No. 504,353. 1 Claim. (Cl. 123—169.)



In a device of the class described, a spark plug comprising a body; a core in the body and having a recess; a retainer threaded on the body and engaging the core; a tube extended between a portion of the retainer and the core and received in the recess of the core; a screw threaded into said portion of the retainer and entering the tube; and an electrode in the core and extended into the tube, into jump spark relation with respect to the screw, and another electrode mounted in said core for cooperation with the first mentioned electrode.

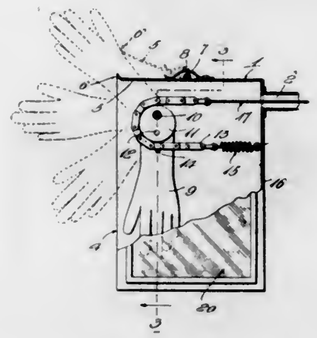
1,506,837. BATTERY CONTAINER. ALLAN C. JOHNSON, Akron, Ohio. Filed Jan. 25, 1922. Serial No. 531,671. 5 Claims. (Cl. 180—68.5.)



1. A battery container comprising an overhanging ledge adjacent its upper edge said ledge having vertically disposed spaced bores therein of elongate form in cross-section, and a handle constructed to be removably mounted in said bores with a snap action against vertical movement therein, said handle comprising an upwardly bowed resilient bail.

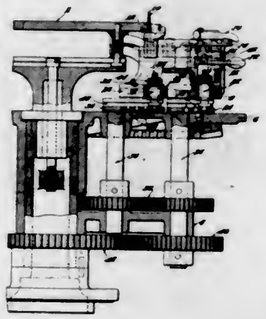
1,506,838. AUTOMOBILE SIGNAL. WILLIAM G. JOHNSON, Guthrie, Okla., assignor of one-half to J. D. Palmer, Purcell, Okla. Filed Dec. 17, 1923. Serial No. 681,256. 3 Claims. (Cl. 116—51.)

1. An automobile signal comprising a vertically disposed casing having an open outer side and an upwardly movable resiliently pivoted top section whose free end is disposed at said open side, a pivoted signal arm in said casing movable outwardly through said open



side thereof and movable to an upper inclined position at which it raises said resiliently pivoted top section, and means for operating said arm.

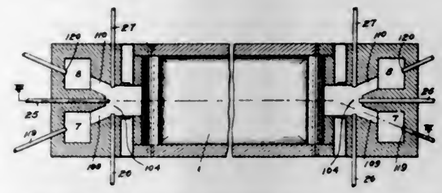
1,506,839. SOLE-ROUNDING MACHINE. GIDEON JULIAN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 19, 1920. Serial No. 359,769. 28 Claims. (Cl. 12—25.)



16. A sole rounding machine having, in combination, a pattern, a knife carrier, a knife movable on the carrier, a spring for pressing the knife against the pattern, a pawl for retaining the knife in position on the carrier, against the action of the spring, mechanism for relatively moving the pattern and knife carrier to transfer the knife around the pattern beyond its starting point and return it to the starting point, and a weighted arm swung in opposite directions by the stopping and starting of the relative forward travel of the knife for rendering the pawl active and inactive.

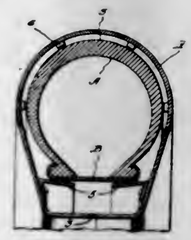
1,506,840. STRUCTURE AND METHOD OF OPERATION OF HEATING FURNACES. ROBERT B. KERNOHAN, JAMES S. LOCHHEAD, and WILLIBALD TRINKS, Pittsburgh, Pa. Filed Dec. 8, 1921. Serial No. 520,926. 6 Claims. (Cl. 263—15.)

1. In a heating furnace using preheated air for combustion the method of operation herein described which consists in maintaining a passageway for such preheated air leading to the furnace chamber and in projecting



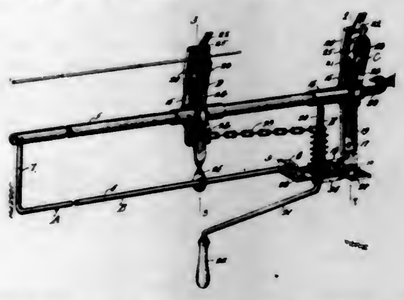
into such passageway a flow-inducing jet of compressed gas at a velocity exceeding that of sound and causing fuel to mingle in the stream.

1,506,841. CARRIER. FREDERICK F. KESSEL, Marine City, Mich., and LEONARD L. SCOTT, Martinsburg, W. Va. Filed Jan. 27, 1922. Serial No. 532,325. 1 Claim. (Cl. 229—29.)



A tire carrier comprising a case for receiving the tire, said case being formed of two sections hingedly connected together, an annular supporting member secured to the side wall of each of said sections, said supporting members adapted to have their inner edges spaced apart when the sections of the casing are moved to closed position, said supporting members adapted to engage the inner periphery of a tire rim to support the same and a tire and have the tire valve disposed between their inner edges, and means secured to the inner side of the outer walls of the sections and acting to hold the rim in contact with the supporting means, and against movement relative thereto.

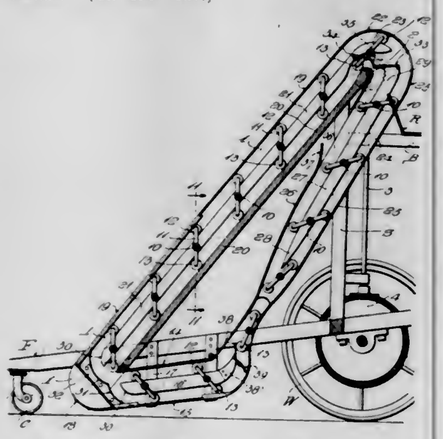
1,506,842. WIRE-STRETCHING DEVICE. JOSEPH KING, Unadilla, N. Y., assignor of one-half to Milo G. Albrecht, Unadilla, N. Y. Filed Apr. 12, 1923. Serial No. 631,662. 2 Claims. (Cl. 254—161.)



1. In a wire fence implement, a frame including a main slide bar and a guide rod disposed in parallel relation to the bar, a stationary clamp at one end of the frame, a sliding clamp including a sleeve slidably mounted on

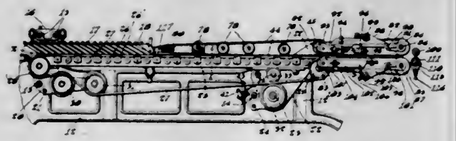
the slide bar, a body plate attached to the sleeve, a stationary jaw formed on the outer end of the body plate, a movable jaw carried by the body plate, a reinforcing plate attached to the body plate and sleeve and having an eye formed on its inner end to receive the guide rod, and means for moving the sliding clamp toward the stationary clamp.

1,506,843. ELEVATOR. JOSEPH KOMARNISKY, Scobey, Mont. Filed Jan. 28, 1924. Serial No. 689,072. 8 Claims. (Cl. 198—137.)



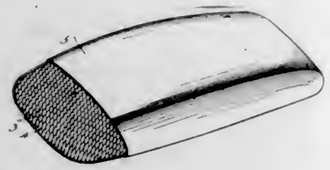
1. An elevator comprising an endless carrier having an upwardly moving reach, a downwardly moving reach and a horizontally moving reach between the lower ends of said upwardly and downwardly moving reaches, said carrier including a pivoted elevating member, and a pair of spaced controlling shoes therefor, substantially horizontal tracks for said shoes to direct said elevating member substantially toward said upwardly moving reach as said member moves horizontally, whereby to permit it to pick up a load, trackage for said shoes when traveling upwardly adapted to hold said elevating member in load-carrying position, substantially vertical tracks for said shoes when traveling downwardly to start said elevating member on its descent in an upstanding load-discharging position, shoe-controlled means for holding one of said shoes against engagement with its respective vertical track until the other shoe is positioned to engage its track, common trackage for both shoes under said vertical tracks to turn said elevating member toward its horizontal load-receiving position, and shoe-controlled switch means for properly guiding said shoes from said common trackage into engagement with said horizontal tracks.

1,506,844. FOLDING MACHINE. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed July 2, 1921. Serial No. 482,034. 20 Claims. (Cl. 93—49.)



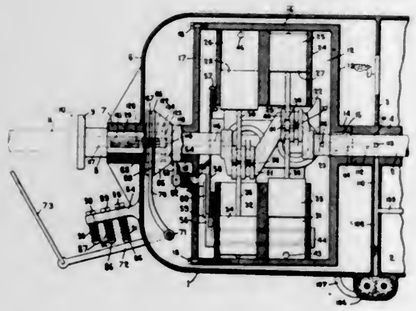
1. A folding machine having a pair of blank-folding belts and pulleys for the ends of said belts, the pulleys for those ends of the belts which first act on the blanks being laterally and vertically adjustable independently of the pulleys at the other ends of the belts.

1,506,845. AUTOMOBILE TOP OR ROOF. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 8, 1919. Serial No. 295,532. 4 Claims. (Cl. 296—137.)



2. A roof for automobiles and other vehicles comprising a foraminous, reticulated or screen body pressed into the required longitudinal and transverse shape and contour to form a unitary structure, and a cover applied to said structure.

1,506,846. HYDRAULIC CLUTCH. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 5, 1919. Serial No. 335,909. 19 Claims. (Cl. 192—60.)

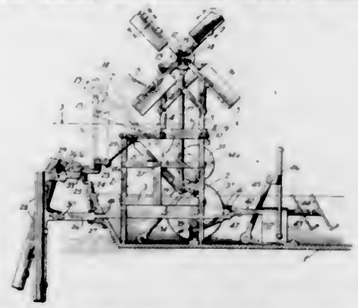


1. A hydraulic clutch comprising a rotatable driving member and a rotatable driven member, one of which constitutes a liquid containing drum, two pairs of diametrically oppositely disposed cylinders connected to said drum and co-operating pairs of pistons connected to the other member, the pistons of each pair being so disposed as to move in opposite directions, means controlled by said pistons for supplying the liquid to said cylinders by centrifugal force and means for regulating the expulsion of fluid from said cylinders to said drum.

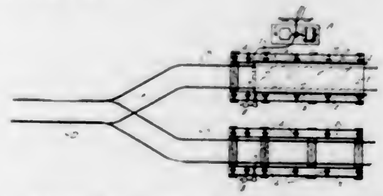
18. In combination with an engine provided with a lubricating system and driving shaft actuated by said engine, a driven shaft, and a hydraulic clutch operable to transmit motion from said driving to said driven shaft, means for supplying oil to said lubricating system and to said hydraulic clutch continuously during the operation of the engine.

1,506,847. BOAT-PROPELLING MECHANISM. OTTO MAKI and KARL ARLIN, Palmer, Mass. Filed Oct. 8, 1921. Serial No. 506,482. 1 Claim. (Cl. 115—28.)

The combination with a boat, of a frame, a wind motor carried thereby, a pair of cooperating propellers, power transmission mechanism releasably connecting said wind motor and propellers, foot-controlled propeller actuating mechanism adapted for connection thereto interchangeably with said wind motor mechanism, said foot-controlled mechanism comprising a pair of slide arms, pedals carried by said arms, and steering means for said boat.



1,506,848. CHARGING STATION FOR STORAGE-BATTERY LOCOMOTIVES. RAYMOND MANCHA, St. Louis, Mo., assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Sept. 12, 1923. Serial No. 662,211. 9 Claims. (Cl. 104—34.)



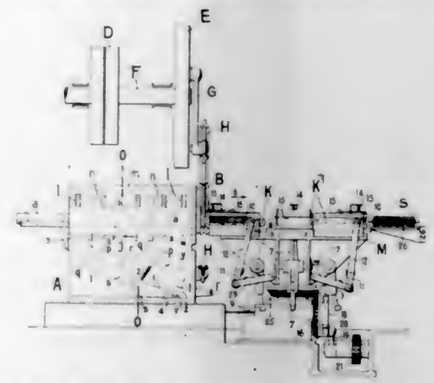
1. A charging station for storage battery locomotives provided with a plurality of supporting devices on which battery boxes are adapted to be mounted during the operation of re-charging the batteries contained in said boxes, and means whereby a battery box containing discharged batteries will be removed from the chassis of a locomotive and deposited on one of said supports when the locomotive is moved in one direction in proximity to said support and a battery box containing charged batteries will be removed from the other support and deposited on the chassis of the locomotive when the locomotive is moved in the opposite direction in proximity to said other support.

1,506,849. METHOD OF HANDLING STORAGE BATTERIES OF ELECTRIC LOCOMOTIVES. RAYMOND MANCHA, St. Louis, Mo., assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Feb. 11, 1924. Serial No. 692,166. 15 Claims. (Cl. 104—34.)



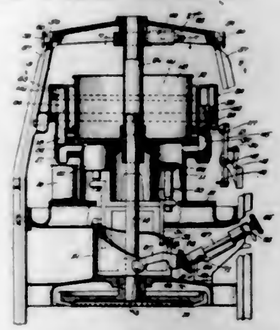
5. A method of handling the storage batteries of electric locomotives, characterized by moving a locomotive containing a discharged battery into proximity to a supporting structure, using said battery to energize the operating mechanism of the locomotive to move the locomotive relative to said structure, and causing co-operating devices on the supporting structure and the battery box to act while the locomotive is moving relatively to said structure to effect the separation of the battery box from the chassis of the locomotive.

1,506,850. MANUFACTURE OF WOODEN MATCHES. FRÉDÉRIC MANGE, Paris, France. Filed Dec. 9, 1921. Serial No. 521,187. 4 Claims. (Cl. 144—185.)



1. A method for the production of small sticks of wood for the manufacture of matches consisting in first sawing a length of timber across the grain (direction of the fibre) into blocks the length of each of which is equal to the length of the matches to be made, then cutting each of these blocks in the direction of the grain (direction of the fibre) successively into slabs or sheets entirely severed from the said block and having a thickness corresponding to the thickness of the matches to be made, transferring directly the said slices or sheets, successively as they are cut off, into a receiving device in order to range them to a block of vertical slices or sheets, cutting such a block of vertical slices or sheets perpendicularly to the slices or sheets successively into vertical rows of small wooden sticks, completely severed each from the other, which are directly transferred, successively as they are cut from the block of vertical slices or sheets, into a receiving device in order to range them to a rectangular block in which the small wooden sticks are arranged close together side by side with one another without any intervening space, so that the block of vertical small sticks can be easily seized and gripped in its middle part by a clasping frame in which the match sticks can be subjected to a drying process before being impregnated at one end and tipped with the igniting material.

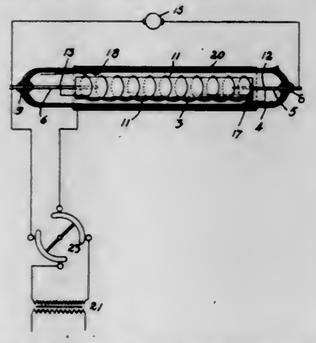
1,506,851. FILLING MACHINE. THOMAS MARTIN and AUGUST HOLMQUIST, Hoopeston, Ill., assignors to Sprague Canning Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1921. Serial No. 470,985. 4 Claims. (Cl. 226—97.)



1. A filling machine comprising a rotatable reservoir, a series of cylinders and pistons rotatable with said reservoir, a stationary cut-off plate in said reservoir

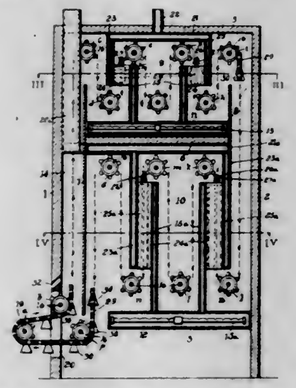
for controlling the communication between said reservoir and cylinders, a series of outlet valves, one for each cylinder for controlling the discharge therefrom, an adjustable cam for controlling the movement of said pistons and means for holding said cam in different adjusted positions to vary the amount of fill, said holding means comprising a pin on said cam, and a rotatable shaft having a conical head secured thereto, said conical head having a spiral groove therein for co-operation with said pin.

1,506,852. HIGH-RESISTANCE CONDUCTOR AND METHOD OF MAKING THE SAME. MONTFORD MORRISON, New York, N. Y. Filed Apr. 27, 1922. Serial No. 556,976. 20 Claims. (Cl. 219—63.)



1. A high-resistance element comprising a filamentary body of electrically conductive material deposited upon a body of insulating material.

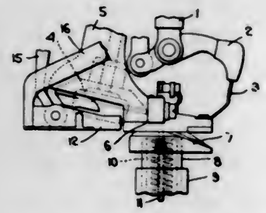
1,506,853. BAKING OVEN. NORMAN R. MOSS, Pittsburgh, Pa. Filed Oct. 28, 1922. Serial No. 597,476. 7 Claims. (Cl. 107—57.)



1. In a baking oven, two baking chambers separated by heat-insulating partitions, a heating chamber in each chamber, an endless conveyer, means carried by the same for supporting articles to be baked, means causing the conveyer to travel back and forth in each chamber, flues in each baking chamber communicating at one end with the heating chamber therein and projecting between adjacent oppositely movable portions of the conveyer, other flues in each chamber projecting oppositely to the direction of the first flues and extending between adjacent oppositely moving portions of the conveyer, outlets for the second flues, and cross-flues out of the path of the conveyer connecting the inner ends of oppositely-projecting flues.

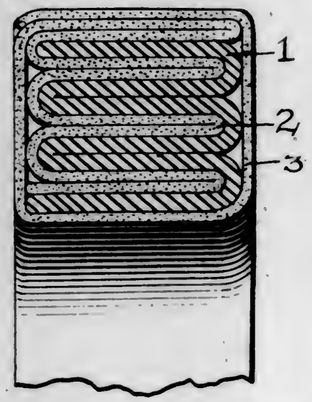
5. In a baking oven, two baking chambers one over the other, having heat-insulating partitions, a heating chamber at the bottom of each baking chamber, a conveyer having a serpentine course in each baking chamber, and heating flues communicating with the heating chambers and projecting downwardly between upwardly-open spaces between adjacent oppositely traveling portions of the conveyer.

1,506,854. BLINDSTITCH FELLING MACHINE. HARLEY C. MOULTON, Dorchester, Mass., assignor, by mesne assignments, to Arbetter Felling Machine Co., Boston, Mass. Filed Mar. 4, 1922. Serial No. 541,220. 37 Claims. (Cl. 112—178.)



1. In a blind stitch sewing machine for felling a superimposed layer upon a base layer of material comprising a work support, a reciprocating needle and complemental stitch forming mechanism; work presenting mechanism including means for turning up the edge portion of the superimposed layer away from the base layer, and guiding said turned-up portion adjacent to the path of reciprocation of the needle, a bender located above the work support engaging said superimposed layer at a distance from the edge thereof, adjacent the stitching point, and acting continuously to deflect said turned-up portion of the superimposed layer into the path of the needle at the stitching point.

1,506,855. PISTON PACKING. BENJAMIN CARL MCCLURE, Hartsdale, N. Y., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed June 24, 1922. Serial No. 570,534. 2 Claims. (Cl. 154—45.5.)



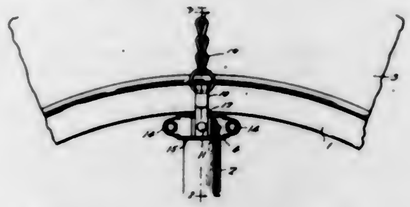
2. A packing for ammonia pumps and the like apparatus, which comprises a sheet of lead and a sheet of asbestos cloth superposed thereon, the two being folded back and forth to form a core, and a wrapping enclosing said core formed of asbestos cloth comprising an extension of the cloth in the core, the folds of the core material extending crosswise of the core, whereby, when a given length of the completed packing is bent into a circle with the ends of the packing body abutting, a continuous sheet of lead with convolutions extending from the butt joint circumferentially around the circle, is formed in the core.

1,506,856. BEARING. THOMAS J. MCCLUSKEY, Gloucester, N. J. Filed Feb. 20, 1923. Serial No. 620,186. 1 Claim. (Cl. 64—36.)



A bearing including an outer ring having a race on its inner side, a ball inlet communicating with the race and keyways, on its outer side at opposite sides of the inlet, disposed transversely to the race; an inner ring having a race on its outer side, a ball inlet communicating with the race and keyways, on its inner side at opposite sides of the ball inlet, disposed transversely to the race; an intermediate ring disposed between the inner and outer ring and having a race on its outer and inner sides; a set of balls in the races between the outer an intermediate ring; a set of balls in the races between the inner and intermediate ring; a block having one of its sides forming a race across each inlet and the other side provided with a keyway disposed transversely to the race, and a key in the keyway of each block extending within the keyway in the ring for locking the block in position.

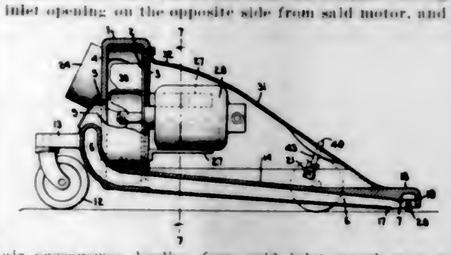
1,506,857. ANTISKID DEVICE. THOMAS E. MCSHAFFREY and CHARLES F. GILBRIDE, Akron, Ohio. Filed Oct. 8, 1921. Serial No. 506,248. 2 Claims. (Cl. 152—14.)



1. A device of the character set forth comprising a pair of substantially semi-cylindrical members adapted to be secured about the spoke of a wheel, lugs projecting from the ends of each of said members, a bolt extending through the corresponding lugs of the opposed members, a nut threaded on each bolt and adapted to draw said members together about said spoke, a projection formed on each member intermediate the lugs thereof, a snap hook extending outwardly from each member and having a shank riveted to said projection, and a traction element engaged over the tread of the wheel and having its ends secured to said snap hooks.

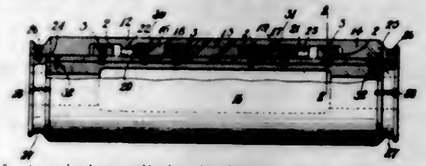
1,506,858. SUCTION CLEANER. WILLIAM V. ORR, Cleveland, Ohio. Filed Aug. 4, 1921. Serial No. 489,680. 11 Claims. (Cl. 15—9.)

1. In a suction cleaner, a casing having a fan chamber, a motor, and a collecting nozzle, carrying wheels supporting said casing with the axis of said fan chamber substantially horizontal and its periphery near the floor, said nozzle having a narrow elongated inlet mouth arranged transversely of that axis, and the bottom of said nozzle slanting gradually upward from said inlet mouth, said motor being located upon the same side of said fan chamber with said nozzle and said fan chamber having an inlet opening on the opposite side from said motor, and an



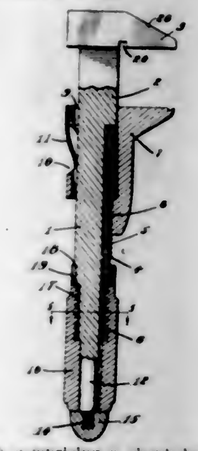
air passageway leading from said inlet mouth past said fan chamber to said inlet opening.

1,506,859. PRINTING CYLINDER. MALCOLM OWEN, London, England. Filed Feb. 12, 1924. Serial No. 692,408. 15 Claims. (Cl. 101—415.1.)



1. A printing cylinder having a gap, a plurality of hook members spaced apart in the gap, and means for securing said members to the bed of the gap, whereby the free end of a sheet, wrapped around the cylinder with its leading end secured in the gap, may be engaged and held down towards the bed of the gap to finally secure the sheet on the cylinder.

1,506,860. WRENCH. PAUL E. PAGE, Montreal, Quebec, Canada. Filed Dec. 13, 1923. Serial No. 680,513. 2 Claims. (Cl. 81—168.)

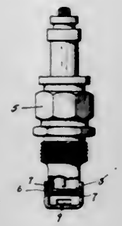


1. A wrench comprising a shank having a jaw at one end thereof, a rack-bar slidably engaging said shank and obstructed from said jaw, a movable jaw surrounding said shank and bar and having a toothed extension adapted for engagement with said bar, said bar having a threaded portion at its lower end, and a handle surrounding said shank and threaded portion, said handle having internal threads for receiving the threaded portion of the bar.

1,506,861. SPARK PLUG. SULLIVAN PALMERI, Plantsville, Conn. Filed Mar. 16, 1923. Serial No. 625,441. 1 Claim. (Cl. 123—169.)

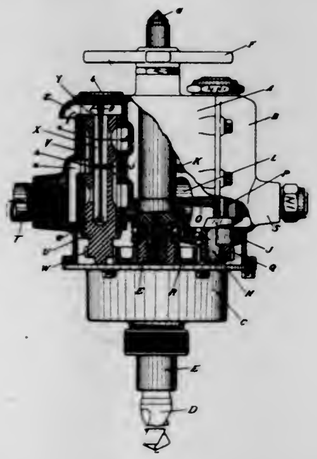
A spark plug provided with a transverse pin-like electrode permanently mounted in the inner end of the

plug and longer than the diameter of the plug, so as to project beyond opposite sides thereof, a housing-cap formed with bayonet slots engaging with the projecting



ends of the said electrodes, whereby the cap is locked in place by said electrode, the said cap also formed on one side with a slot.

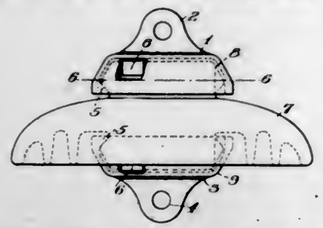
1,506,862. GOVERNOR FOR FLUID-ACTUATED ROTARY TOOLS. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 3, 1921. Serial No. 498,581. 13 Claims. (Cl. 121—33.)



1. In a portable fluid actuated rotary hand tool, the combination of a crank shaft adapted to be actuated by a fluid operated motor, a tool spindle adapted to carry a working tool and connected to be rotated by the said crank shaft, a rotary valve actuated by the said crank shaft for automatically distributing and exhausting motive fluid under pressure in the machine, and a centrifugal governor mounted directly on said valve and adjustable to operate at a pre-determined speed of the valve after maximum power has been developed by the machine for automatically regulating and throttling the exhaust of motive fluid from the machine, whereby overspeeding and racing are prevented upon substantial decrease of resistance to rotation of the working tool.

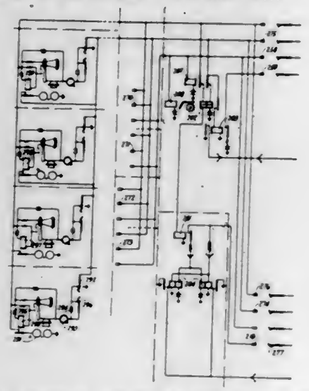
1,506,863. SUSPENSION INSULATOR. BENTLEY A. PLIMPTON, Victor, N. Y. Filed Aug. 26, 1918, Serial No. 251,369. Renewed Jan. 17, 1921. Serial No. 437,963. 4 Claims. (Cl. 173—28.)

1. In a suspension insulator the combination with a metallic suspension socket having spaced interior lugs, of a frangible insulator body having a head adapted to occupy the socket and spaced lugs on the head adapted to interlock with those on the socket by a relative rotary movement of the parts, and a locking member on the



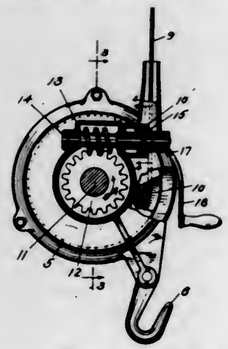
socket independently movable to a position between adjacent lugs on the insulator head.

1,506,864. TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1919. Serial No. 294,708. 14 Claims. (Cl. 179—77.)



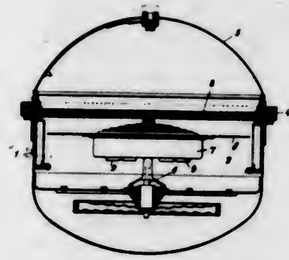
1. In a telephone system, a subscriber's line, a pair of automatic switches having access to said line for establishing telephone connections, two line relays for said line, one of which is differentially wound, said relays being individual respectively to said automatic switches, means at the substation of said line controlled by the subscriber in the act of initiating a call for selectively operating either of said relays, means responsive to one of said relays for operating the corresponding switch, and means responsive to the other relay for operating the other of said switches.

1,506,865. SCAFFOLD HOIST. EARL W. ROBINSON, Minneapolis, Minn. Filed Aug. 16, 1923. Serial No. 657,767. 1 Claim. (Cl. 254—167.)



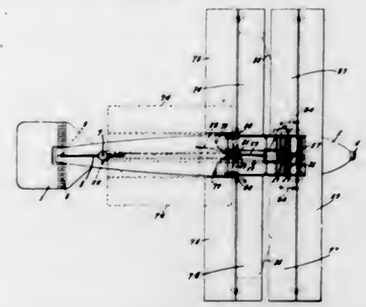
In a scaffold hoist, the combination with a body member, of a drum journaled therein, a cable having its lower end wound upon the drum to carry the weight of the hoist and scaffold, a worm gear for turning the drum, a worm shaft having a worm at one end meshing with said gear, and a crank at the other end to turn the shaft, means for slidably journaling the shaft so that said worm may be moved longitudinally into or out of engagement with the worm gear, a bearing member on the shaft having a peripheral groove, and a pin removably secured in the body member for engagement in said groove.

1,506,866. FLUID COMPASS. MAX ROUX, Berlin-Friedenau, Germany. Filed Jan. 31, 1921. Serial No. 441,519. 2 Claims. (Cl. 33—223.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a fluid compass for use in connection with an aerial vessel or the like, the combination, with the kettle or binnacle of the compass, of a denerated liquid, as compass fluid, for the purpose as described.

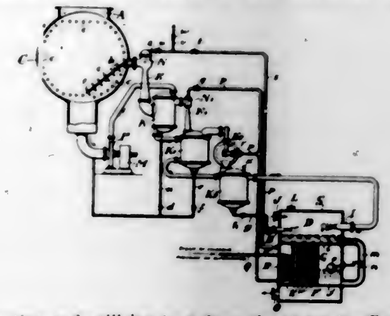
1,506,867. AEROPLANE. JULIUS SCHNEIDER, Fort Wayne, Ind. Filed Feb. 16, 1922. Serial No. 537,001. 5 Claims. (Cl. 244—12.)



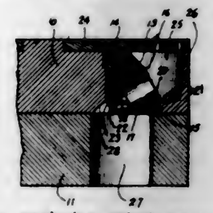
1. In an aeroplane the combination with a fuselage, and front and rear sustaining planes, each of said planes having an angularly adjustable portion at the rear edge thereof, of a controlling post mounted for rotation, separate mechanisms for shifting the respective adjustable portions of the front and rear planes, and means under the control of the operator for coupling either or both of said mechanisms to the controlling post.

1,506,868. EJECTOR SYSTEM. ROBERT STUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1922. Serial No. 548,369. 72 Claims. (Cl. 230—13.)

21. The combination with an ejector, of a source of live steam, a connection between said source and the nozzle structure of said ejector, and means for reducing the pressure of said steam before reaching said nozzle structure comprising means in said connection for abstracting and utilizing heat from the steam to effect live motive steam for said ejector.



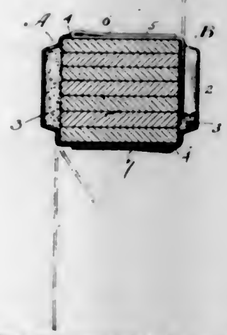
1,506,869. MACARONI DIE. GUIDO TANZI, Long Island City, N. Y. Filed June 30, 1922. Serial No. 571,930. 5 Claims. (Cl. 107—14.)



2. Means for producing spiral macaroni, which consists of a die having a compound opening, said die being provided with a crescent shaped recess for guiding said macaroni.

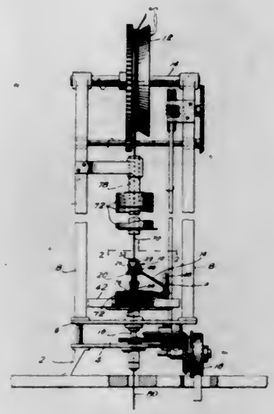
5. A die for producing spiral macaroni having a die plate, a plurality of inserts therein, each said insert being provided with an obliquely disposed perforation in the inner wall thereof and a pin in each said perforation, the outer and inner walls of said die plate being extended upward at an angle to direct material through said perforations.

1,506,870. SPRING LUBRICATOR. GLENN A. TOAZ, Cleveland, Ohio. Filed Apr. 17, 1922. Serial No. 553,992. 6 Claims. (Cl. 184—1.)



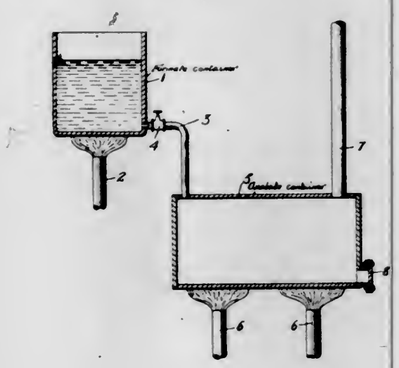
1. A lubricating unit comprising a member forming an open sided receptacle, a strap member extending from adjacent one end of said receptacle, and a strap receiving portion adjacent the other end of said receptacle.

1,506,871. MACHINE FOR COVERING WIRE OR OTHER CORES. EDWIN E. WAITE, Framingham, Mass. Filed Apr. 6, 1922. Serial No. 550,216. 6 Claims. (Cl. 117—43.)



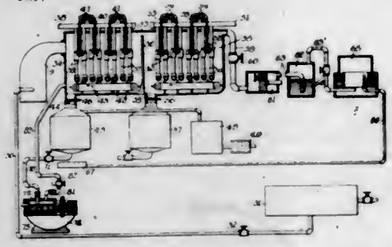
1. A machine for covering a core with roving having, in combination, a rotating winding head, means for feeding the core axially through the head, means mounted on the head for feeding a plurality of parallel rovings to the core whereby they are wound on the core, and a pair of freely rotatable tapering rolls carried by the head and arranged at opposite sides of the core for applying a gradually increasing pressure to the rovings as they are being applied to the core.

1,506,872. PRODUCING OXALATES FROM FORMATES. WALTER WALLACE, La Salle, N. Y., assignor to Oldbury Electro-Chemical Company, Niagara Falls, N. Y., a Corporation of New York. Filed Mar. 23, 1920. Serial No. 368,122. 11 Claims. (Cl. 134—115.)



11. The method of producing sodium oxalate from sodium formate which consists in melting the formate, heating the molten formate to 270° C., pouring the heated molten formate upon a surface heated to between 380° C. and 440° C., to cause a sudden rise in the temperature thereof to between 380° C. and 440° C. and continuing the heating to complete the conversion.

1,506,873. APPARATUS FOR PRODUCING AND SEPARATING CERTAIN SUBSTANCES. VICTOR M. WEAVER, Harrisburg, Pa., assignor to Weaver Company, a Corporation of Wisconsin. Original application filed Jan. 7, 1915, Serial No. 919. Divided and this application filed July 6, 1915. Serial No. 38,386. Renewed Nov. 21, 1919. Serial No. 339,680. 16 Claims. (Cl. 23—13.)



1. In combination, a sealed furnace, a sealed condenser connected therewith and having a manually controlled outlet at the bottom and a valved outlet at the top, and a sealed tank having sealed connection with said manually controlled outlet.

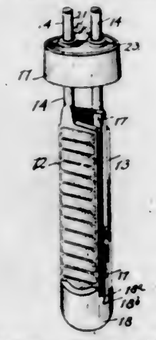
5. In combination, a sealed furnace, a gas storage reservoir having sealed connection with said furnace, said furnace having an inlet adapted to be sealed by the material fed thereto, a sealed condenser connected with said furnace, said condenser having a connection to a pump, and a sealed receiver connected with said condenser.

6. In combination, a sealed furnace, a storage reservoir having sealed connection with said furnace, said furnace having an inlet adapted to be sealed by the material fed thereto, a sealed condenser connected with said furnace, said condenser having an outlet pipe leading to a pump, a sealed tank connected with said condenser, a scrubber to which said pump delivers, a gas receiver communicating with said scrubber, said receiver supplying a pressure feed to a burner, said burner being disposed in proximity to said tank.

11. In combination, a sealed furnace, a sealed condenser, and a pump in series arrangement, said condenser having a valved outlet at the bottom thereof.

15. In combination, a sealed furnace, a gas storage reservoir having sealed connection with said furnace, said furnace having an inlet adapted to be sealed by the material fed thereto, a sealed condenser connected with said furnace, a tank connected with said condenser, and a burner disposed in proximity to said tank.

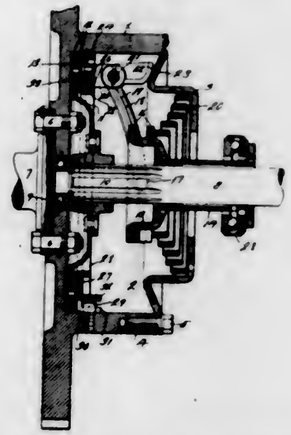
1,506,874. STORAGE BATTERY. THEODORE A. WILLARD, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed May 17, 1922. Serial No 561,616. 13 Claims. (Cl. 204—29.)



1. A storage battery cell comprising a container of insulating material having the top portion round in cross section, flat positive and negative plates in the container,

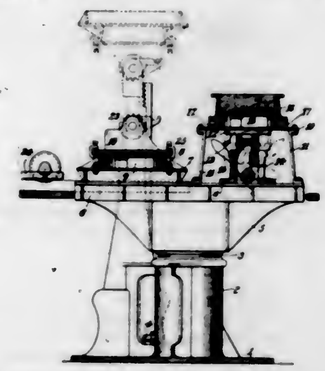
and a cover for the container having openings through which terminals of the plates extend, said cover and container having interengaging portions whereby said cover is adapted to be fastened to the container or freed therefrom by a rotative movement, said plates being rotatable with the cover to permit the cover to be fastened to or freed from the container.

1,506,875. CLUTCH CLAMPING PLATE. CLARENCE G. WOOD, Muncie, Ind. Filed Oct. 21, 1922. Serial No. 596,079. 1 Claim. (Cl. 192—68.)



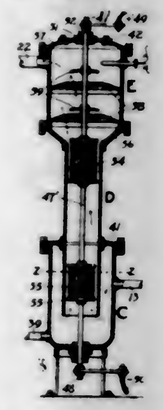
The combination with a disc clutch, of a clamping plate carried by said clutch, lugs engaging recesses in the outer edges of the plate for guiding said plate in its movement, said clamping plate having integral annular flanges at its inner and outer edges, said recesses extending through the outer flange of the plate, guide lugs extending outwardly from the outer flange adjacent the recess sides, and guide lugs extending outwardly from the body of the plate adjacent the inner ends of the recesses, said clamping plate and guide lugs being stamped from a single piece of material.

1,506,876. MOLDING MACHINE. JOHN R. WOOD, Newark, N. J., assignor to New Process Multi-Castings Company, Newark, N. J., a Corporation of New Jersey. Filed July 26, 1922. Serial No. 577,666. 3 Claims. (Cl. 22—32.)



1. In a power or jolt molding machine the combination with a single support or table and means for jolting the same, of a vertically movable drag support mounted thereon and means for inverting the same and a drag carried thereby when raised, a stationary cope support also mounted on the table having a central movable section, and means for lowering said section to withdraw the pattern from the cope.

1,506,877. PROCESS FOR THE CONVERSON AND TRANSFORMATION OF LIQUIDS, FLUIDS, AND OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed Mar. 3, 1919. Serial No. 280,455. 3 Claims. (Cl. 196—48.)



1. A process of cracking hydrocarbon oils that consists in applying heat locally to a body of liquid in a combined cracking and vaporizing chamber, applying a cracking temperature locally to the vapors in said chamber, separating the vapors of the heavier and medium products from the lighter products, condensing the lighter products, returning the heavier products to the body of liquid in the cracking chamber, and returning the medium products to the source of supply.

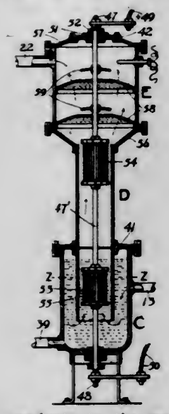
2. A process of cracking hydrocarbon oil which comprises maintaining a body of liquid oil in a combined vaporizing and cracking chamber, confining a localized portion of said body and effecting its vaporization, subjecting the evolved vapors above said body to a cracking temperature, maintaining superatmospheric pressure on the oil under treatment, and withdrawing the evolved cracked vapors.

1,506,878. APPARATUS FOR THE CONVERSION AND TRANSFORMATION OF LIQUIDS, FLUIDS, AND OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed Mar. 3, 1919. Serial No. 280,456. 13 Claims. (Cl. 196—99.)

7. Apparatus of the nature disclosed, comprising a receptacle, an electric oil heater in the lower part, and an electric oily vapor heater in the upper part arranged within said receptacle and a heat confining partition, having an oil inlet opening, interposed between said lower heater and the adjacent wall of said receptacle for the purpose of confining heat from the lower heater to a small localized portion of oil contained within the lower part of said receptacle to be volatilized and means for regulating the flow of oil into the lower part of said receptacle and the withdrawal of vapors from the upper part thereof.

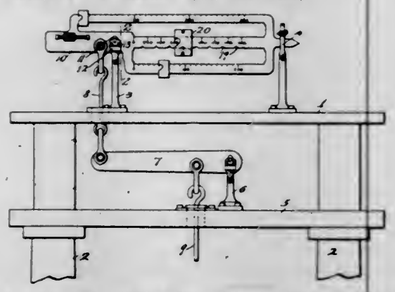
10. Apparatus of the nature described, comprising a combined vaporizing and cracking chamber, means for supplying oil thereto and maintaining a predetermined level therein, means for heating the body of oil in the chamber to effect its vaporization, means for applying a cracking temperature locally to the evolved vapors above said body of oil in said chamber, means for maintaining superatmospheric pressure within said chamber, means for separating out the heavier and medium products

from the lighter products, means for returning the heavier products to the body of liquid in the chamber



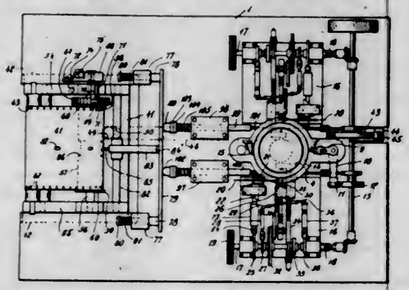
and the medium products to the source of supply, and means for condensing the lighter products of desired volatility.

1,506,879. SCALE. HOLLIS B. BAGG, Watertown, Conn., assignor to Scovill Manufacturing Company, a Corporation of Connecticut. Filed Aug. 7, 1918. Serial No. 248,679. 1 Claim. (Cl. 265—49.)



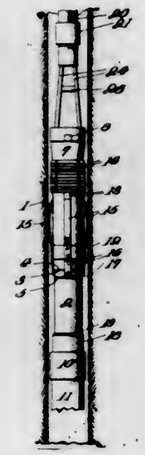
In a scale, the combination with the beam notched on its under side, of a chambered poise slidable thereon, a plurality of trolley rolls mounted in the chamber of the poise to run on the top of the beam, and a spring roll located in the chamber of the poise for engaging the sides of the notches with which the poise cooperates to hold the poise in position.

1,506,880. MESH MACHINE. RICHARD H. BERKLEY, Plainville, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 13, 1923. Serial No. 651,272. 27 Claims. (Cl. 140—3.)



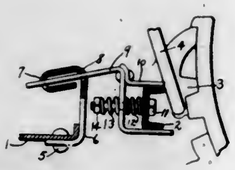
1. A machine for making link mesh fabric comprising means for supporting a piece of mesh, means for adding links successively thereto, and means for acting on certain of the links added to permit their ready removal.

1,506,881. CAVE PACKER. EARL JOHN RHOBERG, Coffeyville, Kans. Filed May 15, 1923. Serial No. 639,112. 6 Claims. (Cl. 166—12.)



1. A cave packer for oil, gas or water wells comprising a body having a conical head, a slip assembly mounted on said body provided with springs for frictional engagement with the wall of the well, means carried by said slip assembly for locking said slip assembly in a predetermined position on said body in respect to the conical head thereof and a sleeve slidably mounted upon said body and adapted to disengage said locking means when said body is moved independently of said slip assembly.

1,506,882. BRAKE-BEAM GUIDE. EDWIN G. BUSSE, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,666. 16 Claims. (Cl. 188—213.)

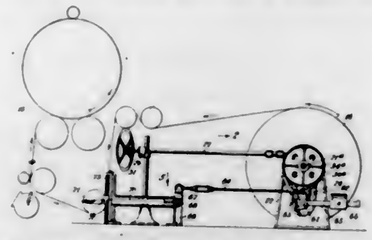


8. A brake beam guide and support comprising a fixed truck member having a bracket attached thereto, a brake beam, a guiding and supporting member slidably connected to said bracket and having limited movement relative to said beam.

1,506,883. MILL-ROLL STAND. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Original application filed Aug. 25, 1920, Serial No. 405,996. Divided and this application filed June 1, 1923. Serial No. 642,755. 3 Claims. (Cl. 188—83.)

1. A stationary bearing having guides, a sliding member, having a downwardly projecting portion, sliding in said guides, a control shaft carried by said sliding

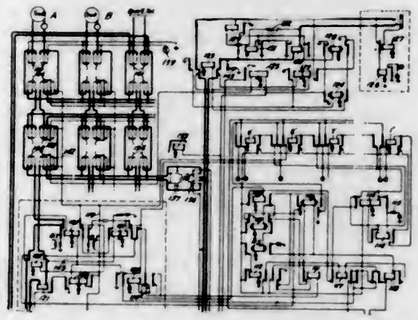
member, a brake drum mounted on said control shaft, a brake band surrounding said drum, a rockshaft mounted



in said downwardly projecting portion, a bell crank, carried by said rockshaft, connected to opposite ends of the brake band

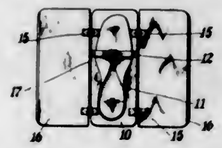
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1,506,884. TELEPHONE-EXCHANGE SYSTEM. WARREN W. CARPENTER, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 11, 1919. Serial No. 310,068. 7 Claims. (Cl. 179—27.)



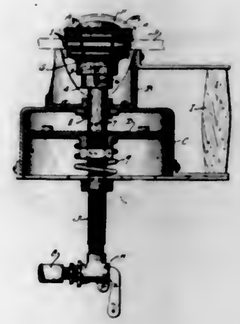
1. In a telephone exchange system, a calling and a called subscriber's line, means for extending said calling line, an impulse controlling mechanism to which said calling line is extended and which is common to said lines, relays simultaneously actuated by said impulse controlling mechanism for connecting said calling line to said called line, and means under the sole control of the calling subscriber for releasing the established connection.

1,506,885. SWIMMING FOOT PADDLE. ANDREW CECH, Niles, Ohio. Filed May 6, 1924. Serial No. 711,323. 5 Claims. (Cl. 9—21.)



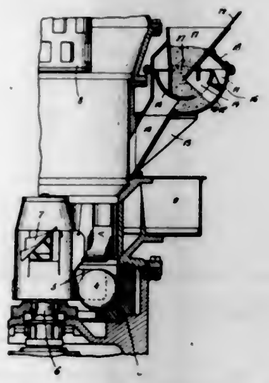
4. A swimmer's foot paddle comprising a central board provided with means for attachment to the foot, and side wings hinged to said central board, straps attached at one end to said wings and at opposite ends to the central board for limiting the forward swinging movement of the wings, and abutment elements hinged to and projecting rearwardly from said central board and having the straps passing thereover, and means engaged with said straps to vary the effective length thereof, comprising screws mounted on said central board for transverse adjustment thereon and having slotted heads through which the said heads pass.

1,506,886. TOOL FOR INSTALLING BOILER HAND-HOLE CAPS. SAMUEL BRAINERD CLAY, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,674. 10 Claims. (Cl. 29—88.2.)



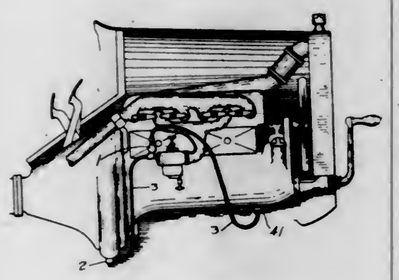
1. A tool for moving an article endwise of a part in which the article is positioned, comprising jaws that are adapted to be engaged with the article, a single valve that governs an operating medium, and means adapted to be actuated by said operating medium for causing said jaws to tightly grip the article and thereafter move the article endwise with relation to the part with which it is positioned, when said valve is opened.

1,506,887. FEEDING APPARATUS. HARRY RAYMOND COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Original application filed Nov. 8, 1919, Serial No. 336,571. Divided and this application filed Feb. 7, 1924. Serial No. 691,100. 11 Claims. (Cl. 83—44.)



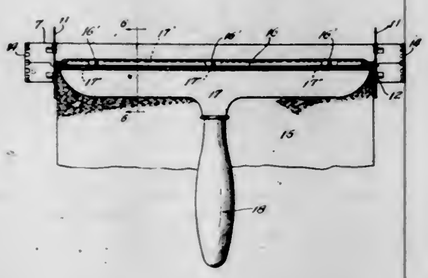
1. A feeder comprising the combination of a casing provided with an inlet opening, a curved wall and an outlet opening leading from that wall, a reciprocating member comprising a portion lying between the curved wall and the inlet opening, and normally intercepting material entering the casing through the inlet opening and operable to discharge this material upon the curved wall by the reciprocation of said member, and a second portion movable over the curved wall and operable to engage and move toward the outlet opening material discharged upon the curved wall from the first portion, and power devices for actuating the reciprocating member through a range such that the limit of travel toward the outlet opening of the second portion thereof is spaced from said outlet opening.

1,506,888. UNIVERSAL OIL PUMP. SHERMAN E. CROSS, Seattle, Wash., assignor to Universal Automotive Corporation of Seattle, Seattle, Wash. Filed Aug. 14, 1923. Serial No. 657,408. 3 Claims. (Cl. 184—6.)



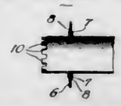
1. A means for conveying oil from the bottom of the crank case at the rear to the forward end, embodying an auxiliary plug that will project up into the crank case, and that will fit the threads of the oil drain plug, said plug having a screen in its upper end, an opening in its side into which a tube may be screwed, and threads in its lower end into which the oil drain plug may be screwed; a pump, to which a tube extending from the plug may be attached, said pump having a cylinder that may be attached to a boss which is placed on the cylinder valve cover, a plunger with a roller pivotally mounted between ears on its outer end, a spring for holding it outward, and a longitudinal slot into which a set screw in the cylinder projects; a tapering sleeve to engage a roller in the end of the plunger which may be placed on the valve stem to replace the sleeve that forms a seat for the spring on the valve stem; and a tube connecting the discharge side of the pump with a plug in the forward end of the crank case, said tube having a check valve in it at the pump end, and said former tube which connects the pump to the oil drain plug, also having a check valve in it at the pump end.

1,506,889. RIBBON SPOOL. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 9, 1922. Serial No. 542,256. 15 Claims. (Cl. 242—74.)



6. A ribbon spool comprising a body made of sheet metal bent to cylindrical form, a disk flange mounted on the body and having openings therein, said flanges being spaced from the ends of the body and lips struck up from the body on one side of the flange and projecting outwardly from the body and extended through the openings in the flange and then bent inwardly against the body to hold the flange in rigid position.

1,506,890. RIBBON SPOOL. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1922. Serial No. 564,340. 1 Claim. (Cl. 242—70.)



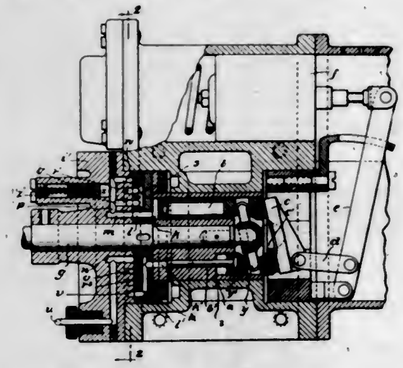
A ribbon spool made of sheet metal bent to cylindrical form and having flanges thereon spaced from the ends to form guides for the ribbon, the ends of the spool being open and provided with a plurality of teeth disposed thereabout and extending in the direction of the length of the spool and entirely through the wall thereof to make interlocking engagement with driving means for revolving the spool.

1,506,891. RIBBON-SPOOL MOUNTING. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1922. Serial No. 564,339. 6 Claims. (Cl. 242—68.)



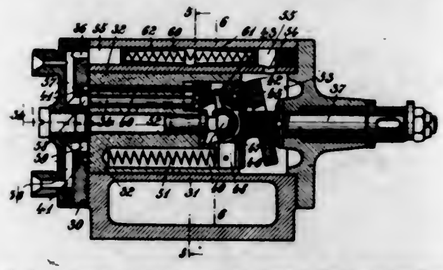
1. The combination of a driving head and a clamping head, means for operating the driving head, a spring pressed rod carrying the clamping head, a ribbon spool, comprising a tubular member, seats in each of said heads to receive the ends of said tubular member, and means on the driving head and on the end of the tubular member engaged therewith for making interlocking driving connection therebetween.

1,506,892. ROTARY PUMP OR BLOWER. FRITZ EGERSDÖRFER, Charlottenburg, Germany. Filed Dec. 13, 1922. Serial No. 606,703. 5 Claims. (Cl. 103—162.)



5. In a machine of the class described, the combination with a frame, and drum mounted on said frame and formed with a plurality of eccentric pockets, and means to impart relatively rotary movement to said frame and drum, of a piston having reciprocating movement within each of said pockets, and a plate angularly set with respect to the axis of rotation and connected with said frame, and standing opposite one head of said drum, and adapted when the parts are in relative rotation to effect reciprocation of the pistons, said frame being further provided with a plate standing opposite the other head of said drum, and having formed in it a plurality of suction ducts and a pressure duct, said suction ducts adapted to communicate with different sources of supply, one of said suction ducts and said pressure duct being adapted upon relative rotation of the said frame and drum for alternate communication with one of the said pockets, and the other of said suction ducts and said pressure duct being adapted upon relative rotation of the frame and drum for alternate communication with the other of the said pockets.

1,506,893. PUMP, COMPRESSOR, OR BLOWER. FRITZ EGERSDÖRFER, Charlottenburg, Germany. Filed Dec. 13, 1922. Serial No. 606,704. 4 Claims. (Cl. 103—162.)

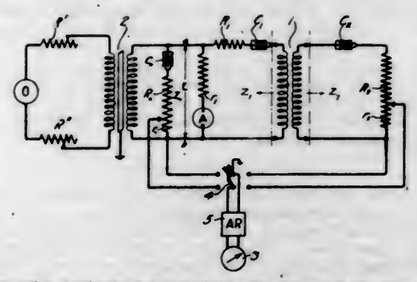


4. In a pump, compressor, or blower, the combination, with a frame, a member formed with a cylindrical pocket, a piston within said pocket, means to control the reciprocating movement of the piston within said pocket, a member formed with suction and pressure ducts adapted to be alternately thrown into communication with said pocket, and means to impart relative rotary movement to said member and frame, said frame forming with said member a chamber communicating with said pressure duct through a cylindrical passage and in position to enable the fluid pressure admitted from the pressure duct to said chamber to force said member and frame into engagement for tightening said ducts, a pair of plungers movable within said cylindrical passage, and elastic means tending to push said plungers apart.

1,506,894. ALLOY STEEL AND PROCESS OF MAKING THE SAME. CHARLES TYNDALE EVANS, Titusville, Pa. Filed Apr. 3, 1922. Serial No. 549,210. 8 Claims. (Cl. 45—1.)

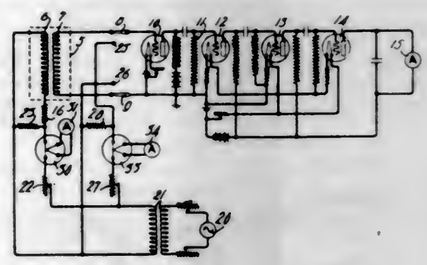
1. A ferrous alloy having a carbon content of not more than about 1%, a chromium content of not less than 6% and not more than about 7.53%, and a tungsten content of more than about 4%.

1,506,895. ELECTRICAL MEASURING METHOD AND MEANS. FRANK E. FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 15, 1922. Serial No. 552,879. 6 Claims. (Cl. 175—183.)



1. The method of determining the transmission loss of electrical apparatus to be connected between circuits of different impedances, which comprises supplying input current to the apparatus to produce output current therefrom, producing a third current of a value different from said input current and bearing a predetermined relation to the value that said output current would have if the transmission equivalent of the apparatus were zero, and physically comparing the values of said output current and said third current.

1,506,896. TESTING METHOD AND SYSTEM. FRANK E. FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1923. Serial No. 654,822. 6 Claims. (Cl. 175—183.)



1. The method of determining the voltage ratio of a transformer which comprises connecting the primary winding of the transformer in circuit with an impedance of substantially the same value as the impedance from which it will operate under service conditions, connecting the secondary winding to a load equal to the load under normal service conditions, measuring a given potential applied to the primary winding circuit with the load connected to the secondary winding, measuring the potential which must be applied to the load, with the transformer disconnected, to obtain in the load the same current as when said given potential was applied to the primary winding circuit, and comparing the two measured potentials.

1,506,897. SEPARABLE-BLADE KNIFE. GUSTAV GOLDMAN, Baltimore, Md., assignor of one-half to Reuben Silverman, Baltimore, Md. Filed Dec. 7, 1923. Serial No. 679,093. 6 Claims. (Cl. 30—9.)

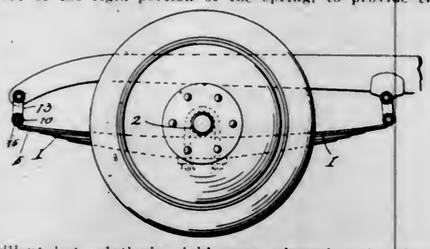


5. A surgical knife having two separable handle members, a separable pointed blade between said handle members, a finger rest integral with one of said handle members extending over the top of the blade substantially opposite the cutting edge, and means for locking the handle members in assembled relation, the finger rest being spaced back from the point of the blade.

1,506,898. VEHICLE SPRING. GILBERT C. GOODE, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 25, 1922. Serial No. 546,581. 2 Claims. (Cl. 267—54.)

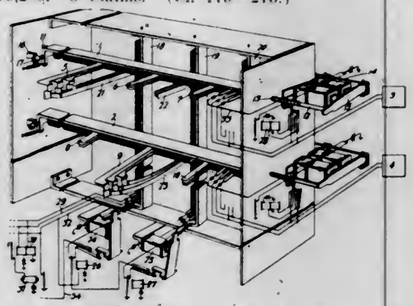
1. A leaf spring for vehicle suspension having a long leaf and superposed progressively shorter leaves forming a flexible end portion and a rigid portion adapted to be attached to a part of the vehicle, said long leaf having a projecting end portion adapted to receive attaching means, said long leaf having a slot extending

longitudinally from the end thereof and terminating short of the rigid portion of the spring, to provide two



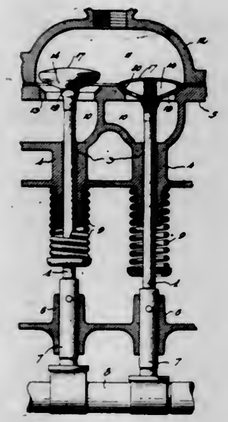
resilient but relatively rigid arms adapted to be placed under lateral tension by the attaching means.

1,506,899. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1920. Serial No. 375,205. 5 Claims. (Cl. 179—275.)



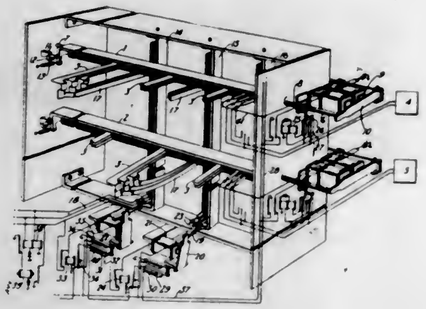
3. In a telephone system, a cross bar switch comprising a plurality of line bar magnets, a plurality of trunk bar magnets, a relay associated with each of said trunk bar magnets, means controlled by said relays for holding a single one of said trunk bar magnets energized, and means controlled by said line bar magnets for energizing said relay associated with said energized trunk bar magnet.

1,506,900. VALVE. ADOLPH GREINER, Detroit, and CORNELIUS J. LONG, Grosse Pointe Shores, Mich. Filed June 29, 1922. Serial No. 571,588. 2 Claims. (Cl. 123—188.)



1. A valve comprising a rod having an end button, a hollow body having a sleeve portion on said rod adjacent the end button thereof, said hollow body having an annular end seat, and a convex closure disk on the annular end seat of said body and fitting about the end button of said rod, said body and rod and said body and disk, and said disk and said rod end button, being integrally connected.

1,506,901. TELEPHONE-EXCHANGE SYSTEM. JOHN A. HALL, Bayside, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,587. 6 Claims. (Cl. 179—27.5.)



4. A magnet, a relay associated with said magnet, a second magnet, a relay associated with said second magnet, a circuit controlled by said first relay for controlling said second magnet, a circuit controlled by said second magnet and said first relay for controlling said first magnet, means jointly controlled by said first and second magnets for controlling said second relay, and means controlled by said second relay for further controlling said first circuit.

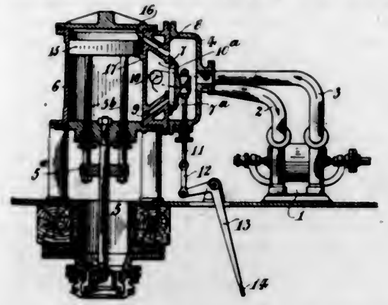
1,506,902. COLLAR BUTTON. CLARENCE B. HAND, Maplewood, Mo. Filed Feb. 13, 1924. Serial No. 692,537. 2 Claims. (Cl. 24—63.)



1. A collar button comprising a hollow head and a stem detachable therefrom, and a revoluble disc within said head, the bottom wall of said head being provided with a slot and the disc being provided with a recess adapted to register therewith, said stem having a cross-head adapted to enter said slot and recess, means for securing the stem into the head on rotating said disc so that its recess is out of register with the slot in the head, and means for holding the slot and recess in non-registering relation.

1,506,903. HYDRAULIC PRESS. POUL HANSEN, Hellerup, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 16, 1922. Serial No. 607,462. 2 Claims. (Cl. 138—10.)

1. In a press, the combination of a cylinder, a piston, an hydraulic pump, means whereby the discharge of the pump can be connected to either end of the cylinder, and the suction of the pump can be connected to the other end of the cylinder, and check valves carried by the piston on opposite faces and adapted to cut off com-



munication between the cylinder and the pump at the corresponding end as the piston approaches the limit of its stroke in either direction.

1,506,904. EQUALIZED DISTRIBUTION SYSTEM FOR FLUIDS. BURT S. HARRISON, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 23, 1921. Serial No. 517,308. 10 Claims. (Cl. 98—27.)



1. A duct of the class described uniformly tapered lengthwise and provided with a longitudinal slot for sidewise flow of fluid, and an apron extending along and over said slot, being spaced from the walls of the duct and tapering in width to provide varying local friction complementing the friction in the duct to insure substantially the same sidewise flow of the fluid for the different units of length of the duct.

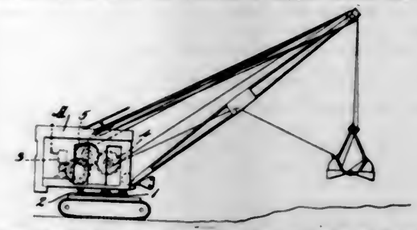
1,506,905. TRACTION ATTACHMENT FOR VEHICLE WHEELS. WILLIAM R. HILLYER, Port Richmond, N. Y. Filed Feb. 12, 1924. Serial No. 692,213. 4 Claims. (Cl. 152—14.)



3. A traction element for vehicle wheels comprising a ground engaging plate, a saddle member on said plate having a portion thereof shaped to fit the vehicle tire, obliquely disposed strut portions at the sides of said saddle member and formed integrally therewith, and chain engaging portions formed in the sides of said saddle member between said strut portions.

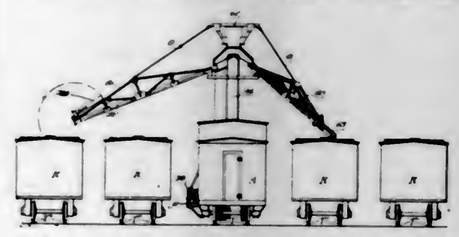
1,506,906. CONVERTIBLE CRANE. ALPHEUS E. HOLCOMB and LESLIE A. RUSSELL, Milwaukee, Wis., assignors to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Continuation of application Serial No. 587,676, filed Sept. 12, 1922. This application filed Dec. 8, 1922. Serial No. 605,750. 12 Claims. (Cl. 219—135.)

1. In a convertible-type crane, the combination of a car, crane machinery thereon for operating different kinds of boom and bucket equipment and comprising a main operating drum, a shovel boom and dipper stick equipment connected up so the stick may be operated by the said drum, and means for operating the drum in opposite directions and at different speeds including a driving member adapted to operate a driving cable for use with clamshell, dragline, and like equipment, and detachable means to drive the said main operating drum from said driving member in one direction for power shovel work to actuate a dipper stick, the last



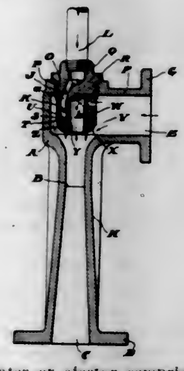
means being detached when the shovel boom and dipper stick equipment is to be dispensed with, and the main operating drum being then adapted to receive and operate a cable for controlling clamshell, dragline, or general hoisting operations.

1,506,907. ICE-HANDLING CAR. ANDREW J. JACKSON, Chicago, Ill., assignor to The Allbright-Nell Company, Chicago, Ill., a Corporation of Illinois. Filed June 3, 1921. Serial No. 474,830. 7 Claims. (Cl. 83—63.)



1. In combination with a car provided with means for crushing and delivering ice to a refrigerator car, of an ice storage car located on the same track, a longitudinally extending conveyor mounted on the side of said storage car for vertically adjustable movement for conveying ice from said storage car to said crushing and delivering car, and means for securing the delivery end of said conveyor to the car containing said crushing and delivering means in adjusted position.

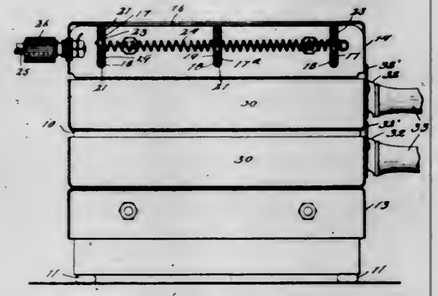
1,506,908. JET AUGMENTER OR EJECTOR. JOHN F. KIRGAN, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 20, 1922. Serial No. 576,303. 2 Claims. (Cl. 230—13.)



1. A jet augmenter or ejector comprising a body portion having a throat and an outlet, an inlet at right angles thereto and a steam nozzle threaded into said

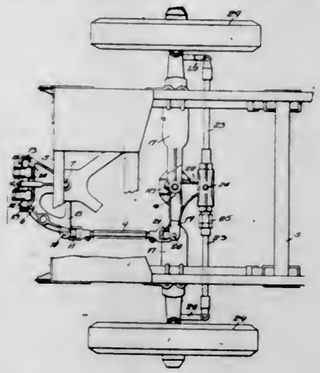
body portion and removable therefrom in alignment with said throat having a central orifice to conduct fluid from said inlet in the direction of said throat and an annular chamber for steam surrounding said orifice and an annular ring threaded into said nozzle and forming an annular passage associated with said annular chamber and adapted to eject a hollow jet of steam surrounding and surrounded by the fluid to be ejected and entrained thereby.

1,506,909. ELECTRIC GRILL. FRANK L. KOHLHASE, Chicago, Ill., assignor to National Stamping & Electric Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1923. Serial No. 671,065. 10 Claims. (Cl. 219—19.)



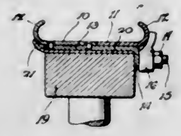
1. A grill comprising an electric heating element, a frame for supporting said element, and a pair of vertically stacked trays slidably supported by said frame beneath said element, said trays, when empty, acting as heat reflectors for said element, and means whereby, when the upper of said trays is withdrawn, the lower is also withdrawn, for the purpose described.

1,506,910. NONWEAVING STEERING MECHANISM. ALBERT P. LEE, Chicago, Ill., assignor to Lee Trailer & Body Co., Chicago, Ill. Filed Dec. 16, 1920. Serial No. 431,115. 2 Claims. (Cl. 280—33.5.)



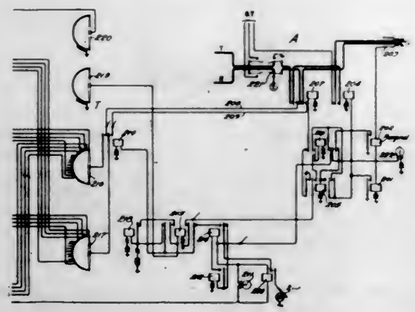
1. In a vehicle of the character described, a framework, an axle, springs interposed between said axle and said framework, radius rods connecting said axle with said framework, steerable wheels mounted on said axle, and means for steering said wheels comprising a bell crank lever pivotally mounted on said axle, a steering member pivoted on said framework and a link extending from said bell crank lever to said steering member, and means for connecting said link with said bell crank lever and said steering member, each comprising a member having spaced horizontal and vertical pivots, the distance between the horizontal pivotal axes of said link and said radius rods at the upper ends thereof being only slightly greater than at the lower ends thereof and the length of said drag link being only slightly greater than the length of said radius rods whereby the horizontal pivot at said bell crank lever will maintain a substantially fixed relationship to said axle within the limits of the normal movements of said axle.

1,506,911. WHEEL RIM. ALBERT E. LOGAN, Brooklyn, N. Y. Filed July 10, 1922. Serial No. 573,948. 1 Claim. (Cl. 301—11.)



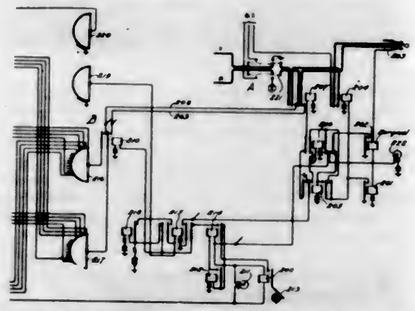
In a demountable rim, the combination of a rim body having side flanges and circumferentially split medially to define mating rim sections of substantially equal width, said sections having straight abutting inner edges forming a smooth closed joint approximately midway between said flanges whereby said joint will be disposed between the beads of a tire upon the rim, transversely disposed cleats secured to the inner face of one of said sections to extend across the inner circumference of the other of said sections in flat contact with the inner face thereof centering the sections in registering relation and provided at their outer ends with inwardly directed radial lugs, studs permanently fixed to said lugs, clamps freely received on said studs to engage the side flange of the latter section, and nuts adjustable upon the studs to coact with the clamps for binding the rim sections together, the cleats extending transversely of the sections throughout the major portion of the combined width thereof for sustaining the rim with respect to a wheel felly.

1,506,912. TELEPHONE SYSTEM. HUGH D. MACPHERSON, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1921. Serial No. 492,228. 35 Claims. (Cl. 179—27.)



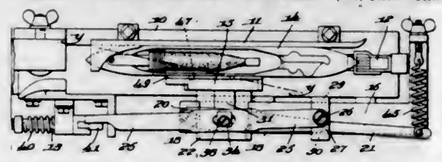
1. In a telephone system, distant offices, a plurality of transmission lines interconnecting said offices, outward operators' positions at one of said offices, means under the control of said positions and operable to automatically select an idle one of said transmission lines, means to indicate such line to an outward operator, signaling paths common to said transmission lines, a signal and a call indicator at one of said offices, and means responsive to the seizure of said idle line by the outward operator for transmitting series of impulses over said signaling paths to operate said signal and said call indicator.

1,506,913. TELEPHONE SYSTEM. HUGH D. MACPHERSON, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1921. Serial No. 492,229. 16 Claims. (Cl. 179—27.)



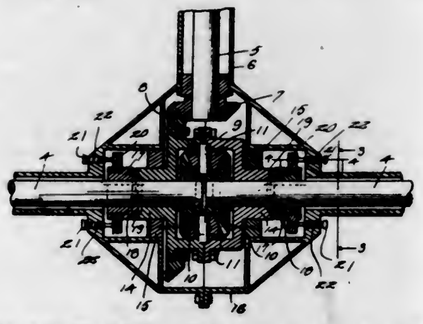
1. In a telephone system, two distant offices, a plurality of transmission lines extending between said offices, a signaling path common to said transmission lines and interconnecting said offices, a signal at one of said offices, a call indicator also at said office, and means for transmitting series of impulses over said common signaling path for operating said signal and call indicator.

1,506,914. COMBINED SHUTTLE CHECK, BINDER, AND ROBBIN GUIDE FOR LOOMS. PETER MATHIESON, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 6, 1923. Serial No. 655,860. 15 Claims. (Cl. 139—185.)



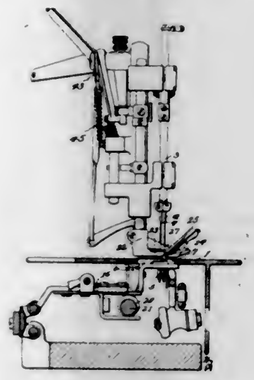
15. In a loom, the combination of the lay and shuttle box, a bracket secured to the lay and provided with a guideway, a binder mounted in said guideway for rectilinear movement towards and from the shuttle, a lever pivotally mounted on the bracket at one side of the guideway and connected to the binder, and a spring acting on said lever to force the binder against the shuttle.

1,506,915. LOCKING DIFFERENTIAL FOR AUTOMOBILES. WALLACE MINTHORN, Millersburg, Mich. Filed July 24, 1922. Serial No. 577,174. 1 Claim. (Cl. 74—100.)



In a locking device, the combination of a divided driven shaft, differential gearing connecting the sections of the driven shaft, including a casing, the latter having hub portions provided on the outer ends thereof, means for rotating said casing, a housing for said casing and said sections of said driven shaft, conical-shaped clutch engaging faces formed on the outer ends of said hub portions, a sliding conical-shaped clutch keyed to each section of the divided driven shaft and adapted for engagement with the conical-shaped face of each of said hub portions, means for actuating said clutches comprising screw threaded levers mounted for rotary movement in said housing, and connected at one end to each of the clutches, the opposite ends being connected to foot pedals.

1,506,916. RUFFLING SEWING MACHINE. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 2, 1919. Serial No. 294,157. 3 Claims. (Cl. 112—208.)



2. The combination with a main feeding mechanism including a main feed dog and an auxiliary feeding mechanism including an auxiliary feed dog having a differential movement relative to the main feed dog, of a presser foot having a main section co-operating with the main feed dog and an auxiliary section co-operating with the auxiliary feed dog, an arm carrying said auxiliary section of the presser foot, laterally projecting ears mounted on the main section of the presser foot, a post freely slidable in the ears on which said arm is fixed, a spring normally forcing the post in a downward direction, and cam means for raising the post to lift the auxiliary section of the presser foot.

1,506,917. SHOE-TREAD PROTECTOR. LOUIS WILLIAM NIMSCHKE, Old Bridge, N. J. Filed Feb. 9, 1921. Serial No. 443,717. 5 Claims. (Cl. 36—59.)



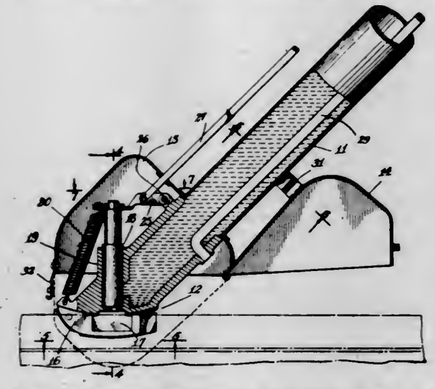
1. A shoe tread protector of the class described comprising a plate provided with a plurality of pairs of jaw members, a plurality of tread members adapted to be supported in connection with said plate by said jaw members, and means on said plate independent of said jaw members for preventing lateral movement of said tread members.

1,506,918. HIGH-SPEED TOOTH GEAR. GRAF ALFRED VON SODEN-FRAUNHOFEN, Friedrichshafen a. B., Germany, assignor, by mesne assignments, to Firm: Zahnradfabrik Aktiengesellschaft, Friedrichshafen a. B., Germany. Filed Oct. 12, 121. Serial No. 507,273. 1 Claim. (Cl. 74—41.)



A toothed gearing comprising teeth whose pitch circle lies outside the active portions of the flanks, the hypocycloid portions being replaced by straight portions and the epi-cycloid portions of the flanks of the co-operating teeth by involutes.

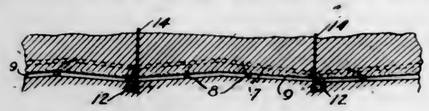
1,506,919. TRACK OILER. CEYLON C. CORKRAN, WILLIAM WALLACE PAYNE, LEO DEUTSCH, and SAMUEL F. LENTZ, Chicago, Ill., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed June 9, 1921. Serial No. 476,146. 6 Claims. (Cl. 221—46.)



2. A track oiler comprising a storage tank, a discharge nozzle adapted to ride on the rail to be lubricated, a control valve at the nozzle, a handle on the storage tank, a control lever associated with the handle for governing the opening of the valve, a casing for the nozzle having a cover or lid, and a vent pipe terminating within the casing at one end and within the storage tank at the opposite end.

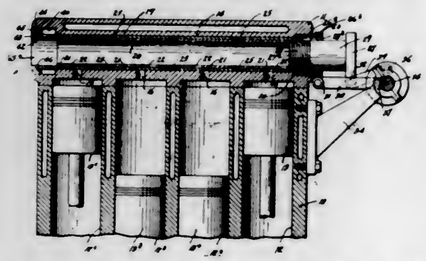
1,506,920. OIL MINING AND DRAINAGE SYSTEM. PAUL DE CHAMBRIER, Revaix, Switzerland. Filed Oct. 19, 1921. Serial No. 508,849. 9 Claims. (Cl. 262—1.)

1. The method of recovering the residual oil contents of sands which no longer give up quantities of oil great enough to be worked advantageously by natural flow or direct pumping, which consists in expelling completely the gas and in draining the oil by driving drainage and ventilating galleries in the sand stratum on different



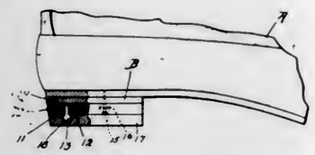
general levels, with inclined connecting galleries between them, each upper level drainage gallery comprising an inclined section opening at its low point into a connecting gallery.

1,506,921. INTERNAL-COMBUSTION ENGINE. JOHN A. DURENZO, Madison, Wis. Filed Mar. 25, 1922. Serial No. 546,838. 8 Claims. (Cl. 123—188.)



1. A valve member formed as a tubular body having a slot therein, a head surrounding one end of the body, a securing element carried by the head and engaging the body, and a spring pressed wedge carried by the head and engaging within said slot for effecting sealing thereof.

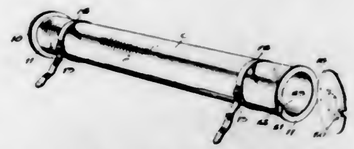
1,506,922. HEEL. WILLIAM H. DOUGHTY, Springvale, Me. Filed Dec. 1, 1923. Serial No. 677,983. 1 Claim. (Cl. 36—36.)



A shoe heel including upper, intermediate and lower sections, snap fastener elements carried by the intermediate section and each including an elongated shank extending entirely through the intermediate section and terminating at its upper end in an enlarged base bearing upon the top surface of the intermediate section, each shank terminating at its lower end in a ball head projecting below the bottom surface of the intermediate section, securing elements fastening the intermediate section to the top section and to the shoe to which the heel is applied, and snap fastener sockets recessed into the lowermost section and coacting with said ball heads for holding the lowermost section onto the intermediate section, the enlarged bases operating to prevent tearing of the first-named fastener elements through the intermediate section.

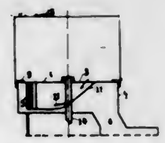
1,506,923. ARTICLE HOLDER. BEN EACHUS, Gallipolis Ohio. Filed May 31, 1923. Serial No. 642,594. 1 Claim. (Cl. 206—1.)

A combined automobile curtain holder and tool and article carrier comprising a cylinder having an outwardly extending annular flange at each end to provide with the comprehended outer periphery of the cylinder, a drum upon which the curtains may be rolled, the interior of the cylinder providing a tool and article receiving space, a partition within the cylinder defining compartments



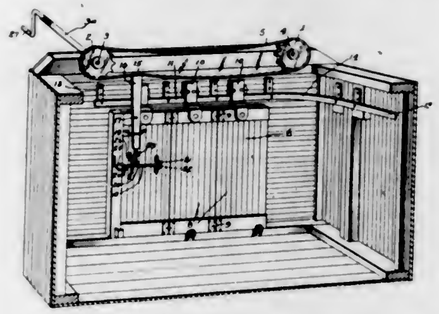
in said tool and article receiving space, a circular closure plate hingedly connected to each annular flange, and releasable fastening means between the closure plates and the flanges.

1,506,924. FUEL-CHARGING DEVICE FOR BRICK-KILNS. JOSEF GAIRING, Riedlingen-on-the-Donau, Germany. Filed Sept. 5, 1923. Serial No. 661,117. 4 Claims. (Cl. 214—35.)



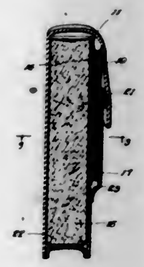
1. A fuel charging device for brick-kilns, comprising, in combination, a fuel receptacle, a rotary fuel receptacle bottom having a discharge opening, a stationary casing with a stationary bottom and a discharge opening therein below said receptacle and its bottom, a sloping guide plate attached to the lower surface of the rotary bottom at the front edge of the opening thereof and extending rearwards down into said casing, a practically vertical wall also attached to the lower surface of the rotatory bottom and extending partly along the inner edge of the said sloping guide plate and terminating horizontally behind the rear edge thereof and at some distance therefrom, and vertically near the bottom of the said stationary casing.

1,506,925. OPERATING MECHANISM FOR GARAGE AND BARN DOORS. GEORGE S. GRAVES and WAYDE H. HOWARD, Sedalia, Mo. Filed Oct. 6, 1922. Serial No. 592,902. 5 Claims. (Cl. 268—8.)



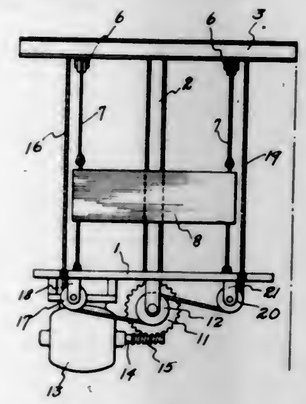
4. The combination with a sliding door, of spaced interiorly arranged sprocket gears located above the door, an interiorly arranged latch, a sprocket chain arranged on the sprocket gears, means for connecting the latch with the sprocket chain for operating the latch when the chain is moved, a shaft connected with one of the sprocket wheels and extending to a point exteriorly of the door and provided at its outer end with an engaging portion, and a removable crank key engaging the outer end of the shaft, one of the parts having a socket receiving the other part and interlocking the key with the shaft for rotating the latter.

1,506,926. RECEPTACLE FOR TOBACCO AND CIGARETTE PAPERS. CLARKE GUNTER, Gunter, Tex. Filed Oct. 12, 1922. Serial No. 594,072. 1 Claim. (Cl. 150—28.)



A collapsible receptacle of the class described comprising substantially rectangular main front and back elements and a continuous side and bottom element having its edges out-turned and stitched respectively to the edge portions of the back and main front elements to form a pocket with stiff edges therewith, a pocket opening being situated at the short edges, a secondary front element of smaller dimensions than the said main front element and secured in a substantially central position thereon by stitching to form a small pocket therewith spaced away from all four edges of said main front element; a flap formed integral with said back element adapted to fold forwardly over said secondary front element, and means for adjustably securing the flap on said secondary front element, said means being concealed by said flap when in closed position.

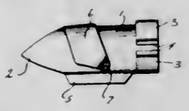
1,506,927. ELEVATOR. AUGUST O. W. HANSEN, New York, N. Y. Filed July 8, 1922. Serial No. 573,604. 1 Claim. (Cl. 187—26.)



An elevator comprising a vertical movable platform, a well receptive of said platform, brackets on the corners of said platform, pulleys mounted on said brackets, additional brackets between each pair of pulleys, a shaft rotatable in the last-named brackets, grooved drums on

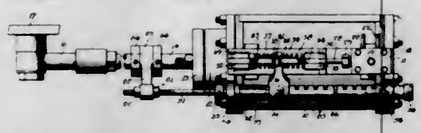
said shaft aligned with the pulleys, cables secured to the upper portions and at each corner of the well, the lower ends of said cables being trained about said pulleys, said pulleys being adapted to divert the course of said cables to the horizontal position, each drum having one pair of cables secured thereto, one cable on each drum entering the same tangential to its upper periphery, the opposite cable being secured tangentially on the lower periphery of the same drum, the cables on each drum being adapted to be wound on the same in opposite directions, a gear on said drum shaft, a motor secured to the movable platform, and a worm shaft engaging the gear for rotating said drum shaft.

1,506,928. KNIFE. PAULINE HANSEN and WALTER E. J. HANSEN, Watts, Calif. Filed Jan. 6, 1923. Serial No. 611,026. 1 Claim. (Cl. 30—9.)



A knife of the class described comprising an elongated body arcuate in cross section, one end portion of said body at opposite sides thereof having arcuately disposed arms terminating in outstanding wings, said wings being in outward diverging relation, a longitudinal marginal portion of the body outwardly of one of the arms being provided with an angularly related cutting blade, the opposite marginal portion of the body adjacent to the end thereof remote from the arcuate arms being provided with an inwardly curved resilient arm overlying the body and having the inner corner of its free end portion disposed slightly outward.

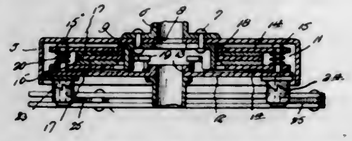
1,506,929. ADJUSTABLE VALVE-OPERATING MECHANISM. FRANK Y. HARRISON, Detroit, Mich., assignor to Murphy Iron Works, Detroit, Mich., a Corporation of Michigan. Filed May 8, 1922. Serial No. 559,168. 4 Claims. (Cl. 121—164.)



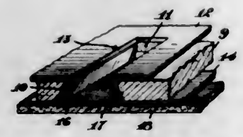
2. In an appliance of the character described, the combination of a cylinder, a reciprocatory piston therein, a valve mechanism controlling the admission of fluid to and its discharge from the ends of the cylinder, and adjustable means to operate said valve-mechanism permitting variation of the length of stroke of said piston, including a reciprocatory sleeve having a plurality of spaced slots, a rod slidable in said sleeve by said piston and having an enlargement in the sleeve, a clip adapted to fit in any of said sleeve slots in the path of travel of said enlargement, other means carried by said sleeve in the path of travel of said enlargement, and means mounted on said sleeve designed to actuate said valve-mechanism.

1,506,930. DISK BRAKE FOR VEHICLE WHEELS. MAURICE R. HASELMAIER, Mount Vernon, Ala. Filed Aug. 30, 1923. Serial No. 660,097. 1 Claim. (Cl. 188—72.)

A friction brake comprising inner and outer flanged members, a flange of the inner member being recessed, a plate having a central opening which receives the inner member, said plate being housed within the outer member, the plate being provided at the edge of the opening therein with radially disposed fingers which extend through the recesses in the flange of the inner member, the plate being provided at the inner edge of its opening and at points between said fingers with angularly disposed lugs which lie at the outer surface of the flange of the inner member, friction disks mounted upon the opposite sides of the said plate beyond the lugs, annular plates disposed at the outer sides of the friction disk, springs interposed between the annular plates and serving to hold them spaced with relation to each other, a disk located within the flange of the outer member and beyond the edge of the flange of the inner member, bolts passing transversely through the last mentioned disk and the friction disk and means mounted upon the last mentioned disk to move the bolts longitudinally and transversely of the friction disks whereby the annular disks are brought into frictional contact with the frictional disks.

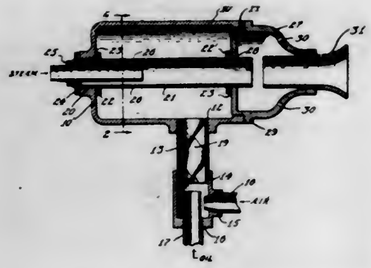


1,506,931. COMBINATION WALL BOARD AND LATH. WILLIAM D. HICKS, Inglewood, Calif. Filed Dec. 31, 1921. Serial No. 526,176. 5 Claims. (Cl. 72—124.)



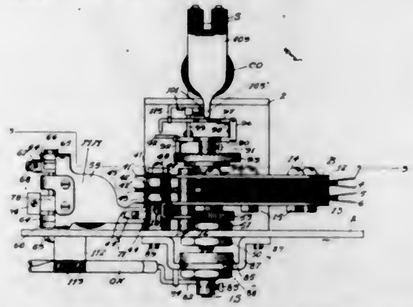
1. In a composition wall board and lath, a body of hardened plastic material provided with a plurality of apertures that are dove tail shape in cross section, facing sheets applied to the opposite sides of said body, one of said sheets having portions that are bent inwardly against the side faces of the dove tailed apertures, the other of said facing sheets being formed with openings the margins of which terminate at the margins of said apertures and a backing sheet applied to one of said facing sheets and covering said dove tailed apertures.

1,506,932. FUEL BURNER. VESTER L. HUDSON, Atlanta, Tex. Filed June 24, 1922. Serial No. 570,684. 4 Claims. (Cl. 158—74.)



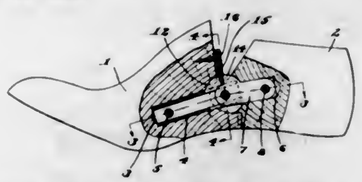
1. A burner of the class described comprising a casing, a mixing tube extending through said casing, a steam jet nozzle extending partially through said tube, said tube having a plurality of openings around said nozzle whereby liquid fuel may be drawn into said tube, a conduit communicating with the interior of said casing, an oil supply pipe communicating with said conduit, a hot air supply pipe connected with the conduit, and means in said conduit for mixing the oil and air as they pass therethrough, the steam jet issuing from said nozzle being adapted to draw the commingled oil and air into said tube through the casing and to mix therewith.

1,506,933. TELEPHONE SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1919. Serial No. 332,866. 24 Claims. (Cl. 179—27.5.)



1. A telephone system including an automatic switch, a rotatable shaft for said switch, a spring-restored shaft, wipers for said switch adapted to be advanced by said first switch shaft but to remain in their antecedent progressive position when the said second shaft is released, and a motor magnet for operating said first switch shaft.

1,506,934. HINGE LAST. WALTER A. KRENTLER, Detroit, Mich., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 11, 1922. Serial No. 551,507. 1 Claim. (Cl. 12—136.)



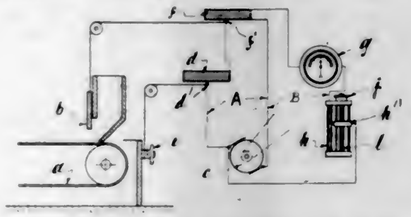
A hinge last of the kind described having a tubular hinge member in one part, a plate hinge member in the other part, a knuckle joint for the last members, the said tubular member being slotted to receive the plate hinge member and united by a pivot at the center of the knuckle joint, a pair of locking ears formed on the tubular member and extending laterally outward at one end thereof, a corresponding locking ear formed on the plate hinge member at the end adjacent to the tubular member, and a wedge-shaped locking member pivotally mounted on the forepart of the last for movement in a plane substantially perpendicular to the axis of the tubular hinge member and movable manually into and out of wedging engagement between the locking ears when the last is in extended position.

1,506,935. HAIR-CURLING DEVICE. JOSEF KRYSZTOFIAK, New York, N. Y., assignor to l'Aureole Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 4, 1923. Serial No. 666,636. 6 Claims. (Cl. 132—34.)

1. A pencil for a hair curling device, comprising a sleeve upon which the hair may be wound, a shaft passing through the sleeve, three ratchet members interposed between the sleeve and the shaft, one ratchet member adapted to be driven by the sleeve, another ratchet member adapted to be driven by the shaft, both of said ratchet members having teeth facing in the same direction, a third ratchet member normally engaging therewith, and resilient means adapted to hold all of the ratchet members in engagement with each other.

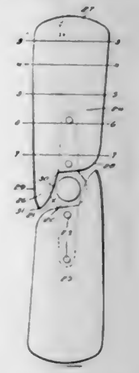


1,506,936. APPARATUS FOR INDICATING AND RECORDING THE RATE OF FEED OF GRANULAR MATERIALS. JAMES EDWARD LEA, Manchester, England. Filed Sept. 25, 1922. Serial No. 590,283. 2 Claims. (Cl. 198—39.)



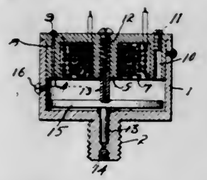
1. Means for indicating electrically (in terms of weight) the rate of feed of granular material delivered by a conveyor through an orifice, comprising an electric circuit, a generator in said circuit, means in said circuit for varying the current flowing through the circuit proportionately to variations in the rate of flow of material passing through the orifice, and further means in said circuit to vary the current proportionately to the density of the material delivered and a voltmeter in said circuit calibrated in terms of weight, as set forth.

1,506,937. BLADE. JAMES M. MILLER, Washington, D. C., assignor of one-half to Tom Moore, Washington, D. C. Filed Mar. 9, 1923. Serial No. 623,942. 9 Claims. (Cl. 170—159.)



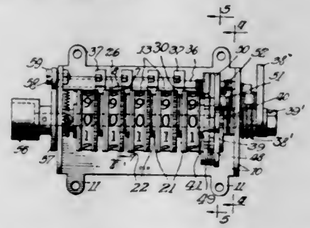
1. In a blade for the purpose set forth a propelling member comprising a body portion torsionally twisted from its outer to its inner end and with the angle of torsion gradually increasing from its outer toward its inner end, said body portion having a forwardly projected inner corner and a forwardly projected lip extended from said inner corner.

1,506,938. ELECTRICALLY-OPERATED OIL CUP. RALPH R. MCCLURE, San Francisco, Calif., assignor of one-third to Dan J. Nee, San Francisco, Calif. Filed Aug. 2, 1920, Serial No. 400,838. Renewed July 1, 1924. 1 Claim. (Cl. 184—67.)



A force feed lubricator, comprising an oil cup, a cover therefor formed with an annular recess, an electro-magnet coil placed in said recess the cover having a central opening and a filling opening, a plunger operated in the central recess of the cover and in a central recess of the oil cup, a disk attached to the plunger, a check valve below the plunger, and a spring to force the plunger away from the electro-magnet after the latter has been once energized to expel oil from the oil cup.

1,506,939. COUNTER. WILLIAM G. PANKONIN, Chicago, Ill. Filed Dec. 21, 1922. Serial No. 608,153. 29 Claims. (Cl. 235—131.)



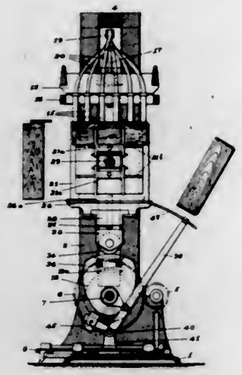
1. In a device of the class described, the combination with a numeral wheel and means for operating same, of means carried by said wheel for preventing overthrow thereof during its step-by-step rotation.

1,506,940. AMUSEMENT APPARATUS. JAMES H PAPPAS, San Francisco, Calif., assignor of one-half to John Boyajian, San Francisco, Calif. Filed Sept. 18, 1922. Serial No. 588,924. 6 Claims. (Cl. 46—71.)



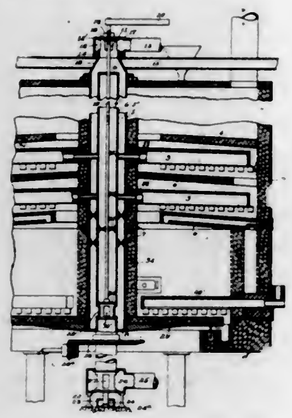
1. Amusement apparatus comprising an upright screen member along opposite sides of which persons are adapted to pass in such manner that the persons on one side of the screen are not visible to the persons on the other side and vice versa, members slidable on the screen with portions of the members disposed on opposite sides thereof in order that they may be grasped or in some manner associated with the persons on opposite sides of said screen to designate, without knowledge of the identity of one another, partners for participation in said amusement and means associated with said members for locking said members to the said persons.

1,506,941. DOUBLE-BOX-MAKING MACHINE. GEORGE D. PARKER, Riverside, Calif. Filed Mar. 27, 1923. Serial No. 627,955. 24 Claims. (Cl. 1—15.)



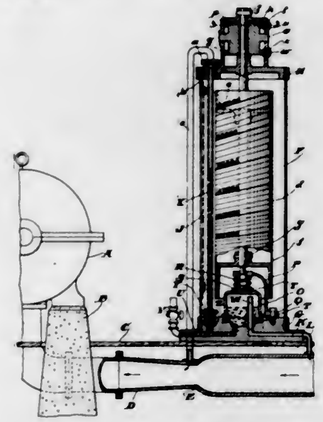
4. A machine for simultaneously manufacturing a plurality of rectangular boxes from previously cut box parts, comprising box holding forms adapted to hold ununited box parts including a plurality of pairs of ends in assembled relation mounted for rotation on their axes and for reciprocating movement, operative means for giving said box holding forms a partial rotation and a vertical reciprocation during each cycle of operation of the movable parts of said machine, nail driving means for operating on the box parts in said forms during successive cycles until said box parts are united into a plurality of boxes, and means for ejecting one completed box before the completion of the cycle of operation in which the other box is completed.

1,506,942. ROASTING FURNACE. ROBERT D. PIKE, San Francisco, Calif. Filed Nov. 19, 1923. Serial No. 675,447. 2 Claims. (Cl. 257—119.)



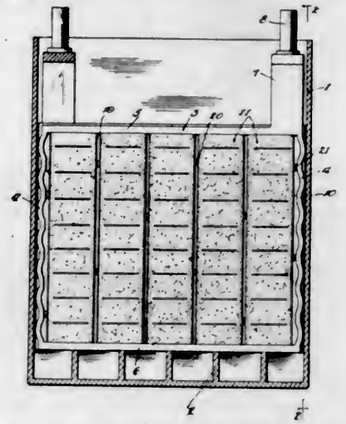
1. In a multiple hearth furnace, a vertical rotating central column, composed of spaced concentric shells providing an inner air duct and an outer annular air duct, means for introducing air into the lower end of the inner air duct and for escape of air from the upper end of the outer annular air duct of the rotating column, hollow rabble arms secured to and carried by the central column, connections for passing cooling air from the inner air duct of the column into the rabble arms and connections for delivering air from the rabble arms into the annular air duct of said column, and means at the approximate lower level of the furnace for passing cooling air direct from the inner air duct of the rotating column into the outer annular air duct thereof.

1,506,943. VOLUME-REGULATOR GAUGE. FORREST C. REED, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 12, 1923. Serial No. 651,098. 6 Claims. (Cl. 73—31.)



1. A volume regulator gauge for constant volume governing of turbo blowers and turbo compressors, comprising a rotatable drum having a scale calibrated in fluid volumes under standard conditions, indicating means adapted to be subjected to the intake pressure of the turbo machine adapted to indicate on the fluid volume scale the fluid volume supplied to the turbo machine, and means for adjusting the drum relative to said indicating means to compensate for changes in barometric conditions, whereby the fluid volume supplied to the turbo machine may be determined at all times.

1,506,944. BATTERY PLATE. CHARLES CLAYTON RICH, Mount Vernon, N. Y., assignor of one-twentieth to Charles Wintermeyer, Mount Vernon, N. Y. Filed Sept. 13, 1922. Serial No. 588,009. 9 Claims. (Cl. 204—29.)



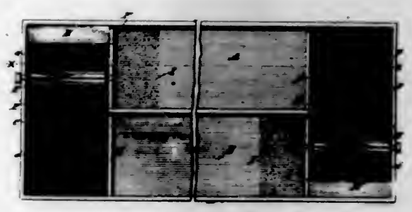
1. A storage battery plate comprising a frame having upper and lower members and side members, the side members being longitudinally expansible and each being of substantially uniform cross sectional dimensions throughout its length, and a plurality of electro-active elements supported within the frame and extending between the upper and lower members thereof and likewise between the said longitudinally expansible side members, the said elements being relatively spaced and bonded at intervals between their opposing portions.

1,506,945. SHOE AND ARCH SUPPORTER. WILLIAM SAKLAD, Dorchester, Mass. Filed Aug. 10, 1921. Serial No. 491,249. 2 Claims. (Cl. 36—71.)



1. As an article of manufacture a shoe, comprising an upper, insole and welt, a supporter for the transverse arch of the foot applied to the shoe between the insole and the outsole, and stitching uniting the outsole, supporter and welt together.

1,506,946. METHOD FOR THE RECOVERY OF SALT. AUGUST SCHILLING, San Francisco, Calif. Filed Jan. 5, 1922. Serial No. 527,221. 1 Claim. (Cl. 159—50.)

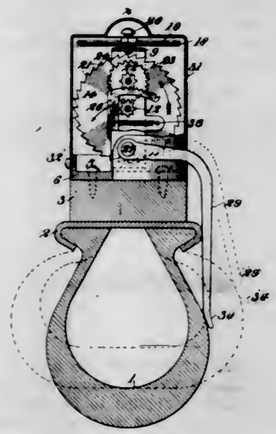


The method of recovering salt of substantial purity, which consists in maintaining a brine solution in circulation in shallow layers in a to and fro course exposed to the action of the sun and atmosphere to effect evaporation and crystallization permitting coarse salt granules formed in the brine to settle from the layers and build up, trapping in a body of brine at the end of each to and fro course of travel the floating salt granules formed on the brine in circulation, and separately removing the settled coarse salt granules, and the trapped salt.

1,506,947. TIRE ALARM. OTTO FRED SCHROEDER, Santa Ana, Calif. Filed Nov. 12, 1921. Serial No. 514,626. 1 Claim. (Cl. 116—34.)

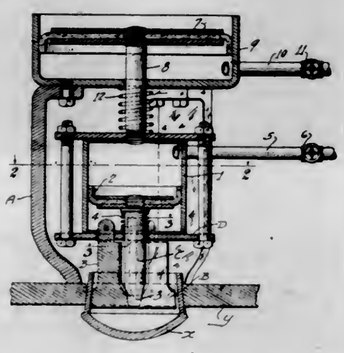
A tire alarm including a base, a substantially U-shaped frame secured at one end thereto and extending outwardly therefrom, said frame provided with an apertured stirrup, a secondary frame carried by the stirrup of the main frame and including a diaphragm mounting ring disposed parallel with the stirrup, a diaphragm peripherally held at substantially right angles to the main frame members, an adjustable contact pin centrally carried by the diaphragm with its end projecting through the aperture in the stirrup of the main frame, a shaft extended transversely between the main frame members, a pawl and ratchet operated toothed wheel

carried by said shaft with its periphery in cooperative relation with the contact pin, a cap for fitting over



said frames to enclose the same and said diaphragm and detachably secured to said base, and a lever secured at one end of the shaft.

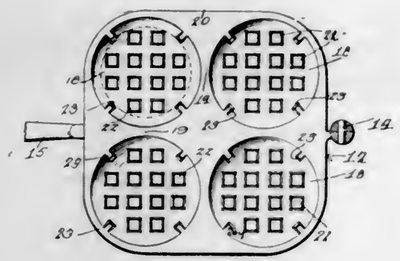
1,506,948. TOOL FOR INSTALLING BOILER HAND-HOLE CAPS. WALTER SIEGERIST, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 4, 1923. Serial No. 655,672. 8 Claims. (Cl. 29—88.2.)



1. A tool for the purpose described, comprising jaws adapted to be introduced into a hollow article and thereafter moved into engagement with said article, a piston for moving said jaws in a direction to cause them to exert pressure on said hollow article and shift it relatively to a part in which it is positioned, a cylinder in which said piston is reciprocatingly mounted, and means for supplying an operating medium to said cylinder.

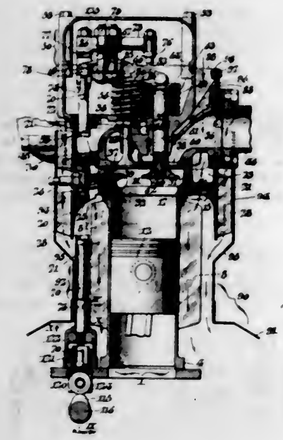
1,506,949. APPARATUS FOR MAKING AN EDIBLE FOOD PRODUCT. JOHN F. G. SMITH, Washington, D. C., assignor of one-third to Winfield Provost, and one-third to Clarence A. Smith, both of Washington, D. C. Filed May 6, 1924. Serial No. 711,492. 2 Claims. (Cl. 107—66.)

1. Apparatus of the character described, comprising a pair of companion iron members, each iron member having a recess formed therein, combined supporting and heat transmitting posts formed upon the bottom of the recess and projecting upwardly therefrom for substan-



tial distances, and radial lugs formed upon the side walls of the recess and projecting inwardly therefrom to center a meat cake therein.

1,506,950. INTERNAL-COMBUSTION ENGINE. JOHN W. SMITH, Philadelphia, Pa. Filed Nov. 12, 1921. Serial No. 514,598. 26 Claims. (Cl. 123—171.)

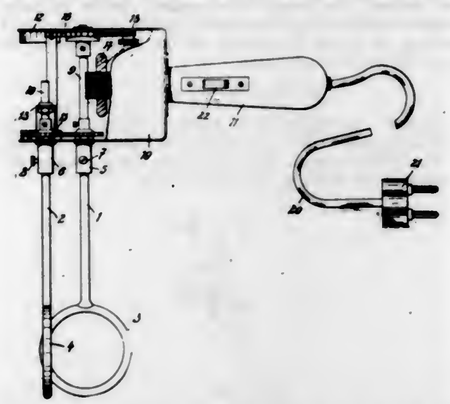


1. A metallic cooling member for an internal combustion engine comprising a row of narrow annuli with interconnecting webs adapted to form the combustion zone walls of the engine cylinders; and wide radiating structures extending along said row of annuli at either side, separated from the annuli to permit access of air between, but connected to said annuli and their interconnecting webs, at isolated points, by heat conducting and radiating members.

1,506,951. EGGBEATER. WENZL SOUKUP, Karlsbad, Czechoslovakia. Filed Jan. 22, 1923. Serial No. 614,310. 2 Claims. (Cl. 259—13.)

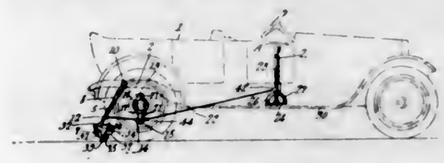
1. In apparatus f the class described in combination, a frame, a pair of parallel shafts rotatably mounted therein, means on each shaft for removably attaching

and wholly supporting a beater element, a driving connection between the shafts, an electric motor in the



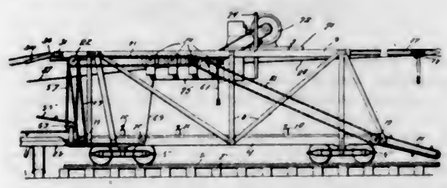
frame, a driving connection between the motor and one of the shafts, a handle secured to the frame, and a single housing enclosing the motor and drive mechanism.

1,506,952. VEHICLE ATTACHMENT. JOHN A. STACKHOUSE, Dover, N. J., assignor of one-half to Josephine King, East Dover, N. J. Filed Apr. 8, 1922. Serial No. 550,911. 2 Claims. (Cl. 180—15.)



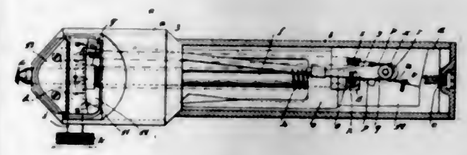
1. The combination with a vehicle including a ground wheel, of an arm mounted to swing on the vehicle, a support, rotatable members journaled on the support, one of said members being a ground-engaging traction member, and the other of said members being adapted for engagement with the ground wheel, intermeshing gears connecting the rotatable members, means for mounting the support on the arm for adjustment along the arm, to secure cooperation between said ground-engaging member and the ground, and between said wheel-engaging member and the wheel, and means under the control of an operator for swinging the arm from a remote point, to cause said rotatable members to exercise their respective functions.

1,506,953. TRACKLAYING MACHINE. ROBERT E. STUBBS, Duluth, Minn. Filed May 3, 1924. Serial No. 710,894. 9 Claims. (Cl. 104—6.)



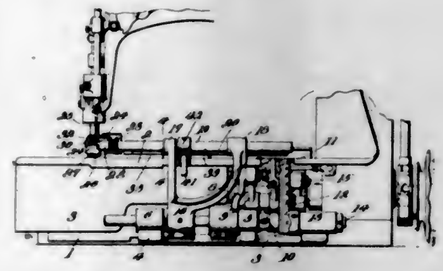
1. A track laying machine comprising a car having a main frame carried by wheeled trucks, a supplemental frame mounted on the forward end of said car, a plurality of the guiding members carried by said supplemental frame, having means in cooperation therewith, for guiding and successively placing ties in proper spaced relation on a road bed, in advance of the car, means for feeding ties along said supplemental frame, rail conveyors carried by the supplemental frame, rail positioning members carried by the supplemental frame, and adapted for positioning track rails on the ties, operating means carried by the main car frame and connected with the tie feeding means of the supplemental frame, for operating said means, tie and rail conveying means mounted in the main frame for delivering ties and rails to said supplemental frame, and means for controlling the operation of the tie and rail feeding means and the tie and rail positioning means of the supplemental frame.

1,506,954. MOVEMENT-MAGNIFYING MECHANISM OF GAUGES AND LIKE MEASURING INSTRUMENTS. WILLIAM TAYLOR, Leicester, England. Filed Jan. 2, 1920. Serial No. 349,111. 16 Claims. (Cl. 33—172.)



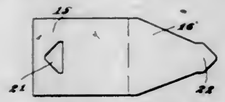
1. Movement magnifying mechanism, comprising the combination with an object the movement of which is to be magnified and a supporting member, of a roller having parts of different diameters, means tending to turn said roller, and flexible bands attached to the roller so as to wind on said parts of different diameter respectively and from opposite directions, the bands being so disposed as to be put in tension by said turning means and being attached, respectively, one to the supporting member, and the other to the object the movement of which is to be magnified.

1,506,955. RUFFLING AND SEWING MACHINE. CHARLIE THEBO, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 8, 1922. Serial No. 550,849. 5 Claims. (Cl. 112—132.)



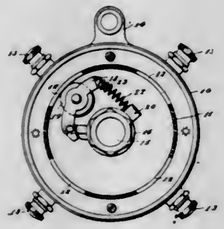
1. A sewing and ruffling machine comprising a work support, a stitching mechanism, feeding mechanism and a ruffling mechanism, said ruffling mechanism including a rock shaft mounted beneath the work support, an arm projecting upward therefrom and carrying a ruffling blade overhanging the work support, a fabric guide cooperating with the ruffling blade, and means whereby said fabric guide and ruffling blade may be simultaneously moved in a straight line transversely of the line of feed to ineffective position.

1,506,956. PINLESS-GRIP TICKET. FRANK H. THOMPSON, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Filed July 18, 1923. Serial No. 652,294. 14 Claims. (Cl. 40—2.)



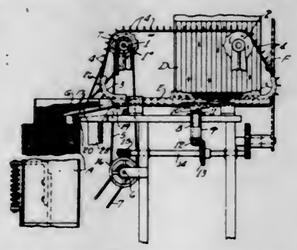
6. A marking ticket comprising a member having an article receiving fold and having integral means on one side of the fold laterally deflecting a contained portion of the article into interlocking relation with integral means on the opposite side of the fold.

1,506,957. TIMER. BENJAMIN LOUIS TOQUET, Westport, Conn., assignor to The Toquet Carburetor Corporation, Westport, Conn., a Corporation of Connecticut. Filed Dec. 15, 1921. Serial No. 522,636. 3 Claims. (Cl. 200—26.)



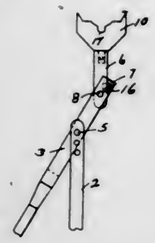
3. A device of the character described, comprising a casing, a race therein and including insulation and contact segments, a contact roller adapted to ride over said race and to alternately engage said insulation and segments, a carrier for the roller, the carrier including side members and the contact roller being mounted in the side members, a sleeve with which the carrier is hingedly associated, a timer shaft projecting into the casing and carrying the sleeve, the contact roller being mounted at an oblique angle with respect to the timer shaft, and means for insuring engagement of the contact roller with the race, whereby the full periphery of the contact roller can engage the race as said roller moves over the insulation and contact segments and the working face of the roller can be obliquely disposed with respect to the direction of movement of said roller over said race for the purpose specified.

1,506,958. MATCHMAKING MACHINE. BERNARD G. VAUGHAN, Joliet, Ill., assignor to National Match Company, Joliet, Ill., a Corporation of Illinois. Filed Dec. 14, 1922. Serial No. 607,000. 7 Claims. (Cl. 144—64.)



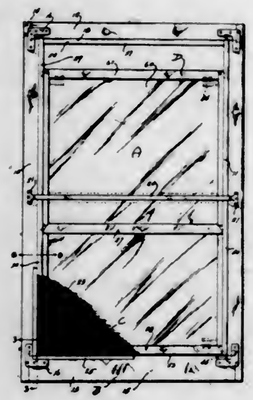
1. A splint feeding mechanism for match making machines, comprising a trough for receiving match splints that are arranged transversely of the trough, means for feeding the splints longitudinally through said trough, an opening in the bottom of the trough for permitting the escape of longitudinally-disposed splints, and means for causing the transversely-disposed splints to move endwise from over said opening so as not to obstruct said opening or retard the escape of the longitudinally-disposed splints through same.

1,506,959. AUTOMOBILE JACK. FRANK WALLACE, Youngstown, Ohio, assignor to Anthony Schiele, Youngstown, Ohio. Filed Sept. 28, 1923. Serial No. 665,400. 2 Claims. (Cl. 254—131.)



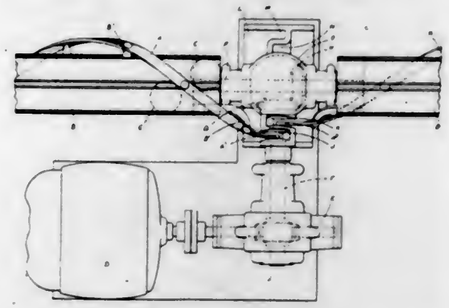
1. In a device of the class described a support member, two parallel support standards, bifurcated lever fulcrumed at the upper ends of said parallel supporting standards, an inverted U-shaped member pivotally secured to the upper end of said bifurcated lever, a bearing block pivotally secured upon the upper portion of said inverted U-shaped member, a collapsible lower end to said lever, means for holding parts in a located position, substantially as described for the purpose set forth.

1,506,960. UNITARY SCREEN AND CLOSURE ARRANGEMENT FOR WINDOW OPENINGS. WILLIAM H. WATSON, Wellington, Kans. Filed July 21, 1922. Serial No. 576,523. 4 Claims. (Cl. 20—55.)



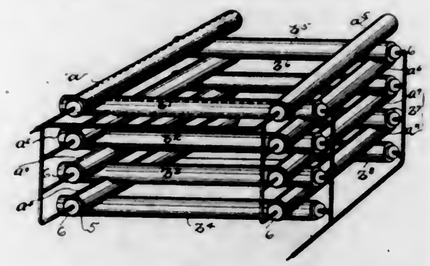
1. A window construction including a frame defining an opening, means upon one side of said frame within said opening providing a pair of parallel grooves facing in the opening of said frame, a member positioned upon the opposite side of said frame providing a flange extending into said frame opening, a detachable member mounted upon the last mentioned side of said frame providing a pair of flanges extending into the opening of said frame cooperating with the first mentioned flange in providing a pair of parallel grooves extending along the side of said frame, and sashes for sliding within the grooves upon the sides of said frame.

1,506,961. CONVEYING APPARATUS. BENJAMIN RATCLIFFE ADKINS, Upper Warlingham, and WILLIAM YORATH LEWIS, Southend-on-Sea, England. Filed Aug. 24, 1923. Serial No. 659,187. 5 Claims. (Cl. 198—203.)



2. In conveying apparatus operated by the rotation of a screw, the combination of the screw thread of which the adjacent ends of two sections overlap so as to present a practically continuous surface, shafting on which each section of the screw thread is carried, an external source of power, a slotted driving shaft driven from the source of power and arranged transversely to the axis of the screw thread, and gearing through which the drive is transmitted from the shaft to the screw-carrying shafting, the gear ratio of this gearing being such that the revolution speeds of the driving shaft and of the shafting are so related that the ends of the sections of the thread pass through the slots in the shaft as they rotate as set forth.

1,506,962. THERMOELECTRIC APPARATUS. FRANK W. ANDREWS, Wapakoneta, Ohio, assignor, by mesne assignments, to The Superior Refrigerating Company, Wapakoneta, Ohio, a Corporation of Ohio. Filed May 14, 1917. Serial No. 168,526. 8 Claims. (Cl. 171—73.)



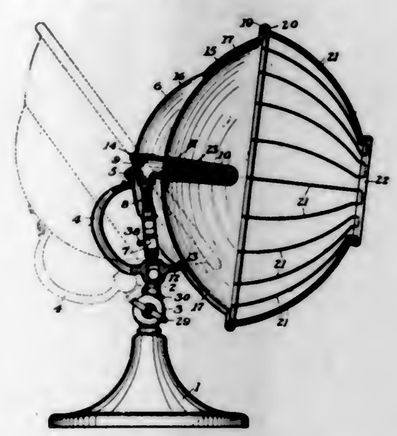
4. In a construction of the character described, a plurality of intersecting tubular enclosures angularly arranged in relation one with another, and contacting thermo electric elements enclosed within said tubular enclosures.

8. In a construction of the character described, a plurality of nonconductive members having thermo electric cores, said members having interlocking notches wherein the cores are exposed for contact one with another.

1,506,963. PURIFICATION OF SULPHUR DIOXIDE. FRANK W. ANDREWS, Wapakoneta, Ohio. Filed Aug. 12, 1919. Serial No. 317,016. 2 Claims. Cl. 23—1.)

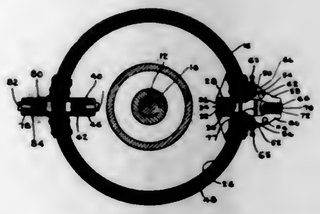
1. The herein described process of treatment sulphur dioxide and the like, consisting in subjecting a liquified body of commercial sulphur dioxide to a partial vacuum and warming the body to induce vaporization of the more volatile portions, leaving in the container involatilized moisture, sulphur trioxide, oil of vitriol and other impurities, drawing the vapors through a filter by which any entrained particles of moisture, oil of vitriol, sulphur trioxide and impurities are removed, subjecting the resultant vapors to compression, and condensing the compressed vapors to liquification.

1,506,964. HEATER. WILLIAM D. ANTHIM, Gloucester, N. J., assignor to Weisbach Company, Gloucester, N. J., a Corporation of New Jersey. Filed Mar. 28, 1921. Serial No. 456,091. 4 Claims. (Cl. 126—92.)



2. A radiating heater comprising a concave casing having portions curved on different radii, a reflector supported by said casing and being curved on the larger of the radii of said casing, thus providing a chamber between said reflector and the casing at its smaller radius and gaseous heating fuel supply means in the chamber thus produced, substantially as described.

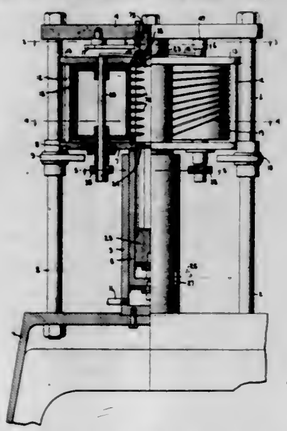
1,506,965. BRAKE. JOSEPH T. AUGER, Minneapolis, Minn., assignor of one-half to Robert H. Monahan, Minneapolis, Minn. Filed Dec. 16, 1921. Serial No. 522,760. 1 Claim. (Cl. 188—74.)



A brake comprising a brake drum, brake band arranged to cooperate therewith, said band extending for nearly a complete circumference, means for resiliently holding the middle portion of said band, said means operating to remove said band from engagement with said drum when the brake is off and to permit said band to move into engagement with said drum when the brake is on, ears secured to the respective ends of said band, pins carried by said ears, levers intermediately pivoted to a fixed support, the inner arms of said levers having slots which receive said pins, a double-ended cam between the outer arms of said levers, a spring for holding said outer

arms in engagement with said cam, said cam having a slot, and an operating member in said slot upon which said cam may slide, said slot and operating member constituting an equalizing device which causes all portions of said band to be applied with equal force to said drum.

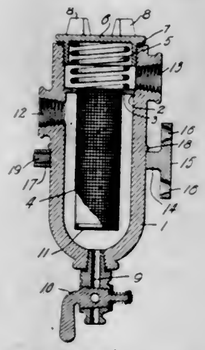
1,506,966. METHOD OF AND APPARATUS FOR MAKING METALLIC WALLS. FRED K. BEZZENBERGER, Cleveland Heights, Ohio. Filed Apr. 17, 1924. Serial No. 707,265. 19 Claims. (Cl. 153—73.)



12. In a method of making corrugated hollow metallic walls, the steps which consist in radially expanding a tube wall between spaced dies into corrugations while simultaneously axially collapsing such tube during such radial expanding operation a distance sufficient to more than compensate in the final length of the tube wall measured along an elemental longitudinal line for the increase in length produced by such radial expansion.

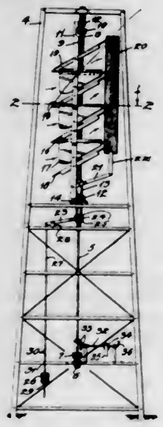
16. In apparatus of the character described, the combination of a plurality of split axially movable forming rings adapted to encircle a tube, and means positively engaging said rings on either side of the split therein, said means acting to simultaneously axially move said rings in either direction.

1,506,967. LIQUID-FUEL STRAINER. ALVAH H. BOSWORTH, Woodhaven, N. Y., assignor to The Bosworth Filter Company, Inc., Long Island City, N. Y. Filed Apr. 11, 1923. Serial No. 631,264. 7 Claims. (Cl. 210—165.)



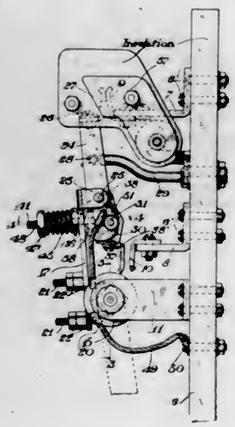
1. In a fuel straining device for internal combustion engines, a casing forming a trap for impurities, the upper part of the casing being provided with vertically spaced apart inlet and outlet ports, an inwardly extending shoulder formed on the inner surface of the casing between said ports, a filter member having an outwardly extending flange adapted to rest on said shoulder, and spring means directly engaging the flange for normally holding the flange against the shoulder whereby the flange will function as a valve and lift from its seat if the filter becomes clogged.

1,506,968. WINDMILL. WILLIAM H. BOT, Green Valley, Minn. Filed May 24, 1923. Serial No. 641,165. 22 Claims. (Cl. 170—12.)



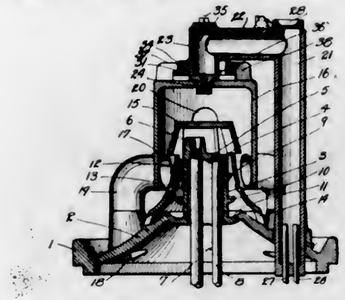
1. The combination with a horizontally disposed wind wheel, of a deflector arranged to deflect wind through the wind wheel, and automatic means for angularly adjusting the deflector in respect to the wind wheel.

1,506,969. MULTIPLE SWITCH. HARRY L. BRADLEY, Milwaukee, Wis. Filed June 6, 1919. Serial No. 302,244. 20 Claims. (Cl. 200—6.)



1. In a switch, the combination of a pair of contacts, a movable switch-arm-carrying member, pivoted switch arms operatively connected to said member and provided with contacts, and a pair of contacts engaged by said switch arms, the contact on one switch arm engaging one of said first named contacts and rolling thereon to bring the contact on the other switch arm into engagement with the other first named contact.

1,506,970. OIL BURNER. GEORGE M. BUCEY, Kansas City, Mo. Filed Oct. 10, 1923. Serial No. 667,654. 7 Claims. (Cl. 158—91.)



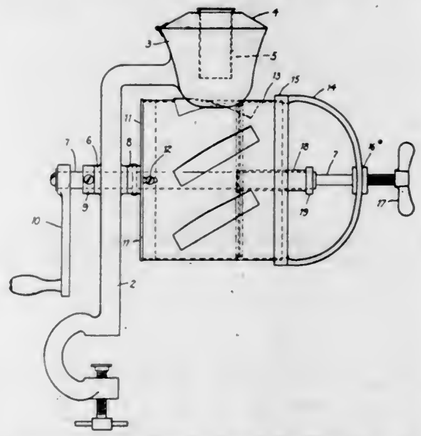
6. An oil burner comprising a pan having a conical bottom provided with openings in the wall thereof, a cylindrical distributor at the top of the conical bottom having circumferential outstanding flanges, a cap on the distributor casing, a ported conical wall opposed about the distributor, a shroud surrounding the casing and having a space above it, air pipes radially disposed about the shroud communicating therewith, a water vapor chamber adjacent to the ported casing communicating with the space within the shroud and an oil pipe discharging at the top of the distributor.

1,506,971. TUBE AND METHOD OF MAKING TUBES. HARRY W. BUNDY, Detroit, Mich. Filed Mar. 5, 1923. Serial No. 622,849. 5 Claims. (Cl. 113—33.)



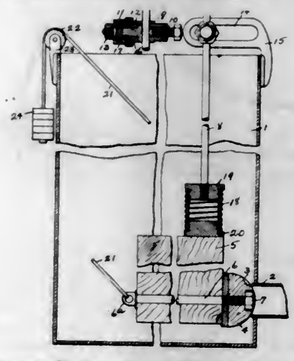
1. A tube, comprising metal strip stock longitudinally drawn and fashioned into a plural-ply hollow cross-section having a longitudinally running seam, the plies being united by a high fusing point metal material electro-deposited on the surfaces of the ply stock.

1,506,972. SLICING OR GRATING MACHINE. FREDERICK BURGDORF, Elyria, Ohio. Filed June 21, 1920. Serial No. 390,399. 2 Claims. (Cl. 146—91.)



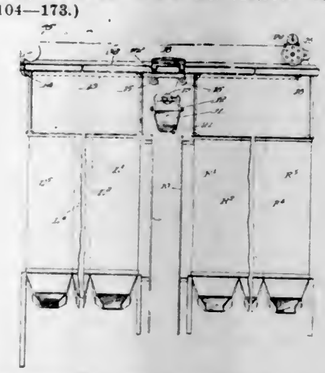
2. In a vegetable slicing machine, a cutting drum on a rotatable shaft, a shuttle rake slidably mounted on the shaft in said drum whereby it may be operated by hand to remove the cut vegetable from the bottom side of the drum, a crank on one end of the shaft, a thread on the other end of the shaft, a spider mounted on said shaft for supporting said drum, and a thumb screw on said shaft for screwing said spider in position.

1,506,973. TANK-DISCHARGE-CONTROLLING DEVICE. RUDOLPH CONRADER, Erie, Pa. Filed Aug. 18, 1919. Serial No. 318,124. 7 Claims. (Cl. 137—68.)



1. In a tank discharge controlling device, the combination of a tank having a discharge opening at the side; a closure valve for the opening; a guiding device directing the movement of the valve to the opening comprising a swinging arm having its axis above the valve at the upper part of the tank; and a float carrying the valve.

1,506,974. CONVEYER SYSTEM. LESLIE P. COOLEY, Chicago, Ill., assignor to The Conveyers Corporation of America, Chicago, Ill., a Corporation of Delaware. Filed May 19, 1924. Serial No. 714,259. 15 Claims. (Cl. 104—173.)



1. The combination with a conveyer system having a carrying member, a track therefor, and a cable for moving the member along the track, of indicating means for showing the position of the member along the track, and a sheave having a non-slipping engagement with the cable and driven thereby for moving said indicating means as the cable moves the member along the track.

1,506,975. BOOT AND SHOE HAVING INFLATED AIR CUSHION INSERTED IN THE SOLE AND HEEL THEREOF. CHARLES COONEY, Dublin, Ireland. Filed Aug. 21, 1922. Serial No. 583,301. 2 Claims. (Cl. 36—29.)

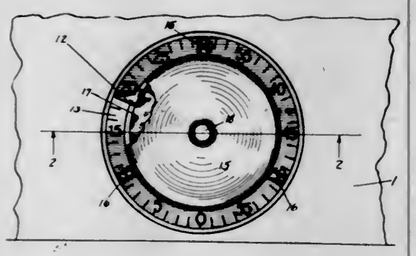
1. A boot or shoe having a compartment inside its sole, in said compartment on inflatable air cushion, a compartment inside said heel, in the last stated com-

partment an inflatable air cushion, and over said air cushions a thin flexible insole attached to the sole proper and to the shoe, spaced between said inflatable air cushions an intermediate and resilient member under said flexible insole and forming an arched support for the arch of the foot, means to permit inflating said inflatable air cushions in situ, consisting of a stiffening reinforcement plate attached to each inflatable air cushion and being provided with an air pump attachment,



said reinforcement plate being adapted to form a bridge-piece under said insole, and means to permit said inflatable air cushions into their respective compartments and withdrawal therefrom, consisting of a flap-closed opening in said flexible insole over each compartment aforesaid, each opening aforesaid being bridged on its underside by means of a bridge-piece aforesaid and so preventing displacement of said inflatable air cushions through each respective opening in said insole when under air pressure.

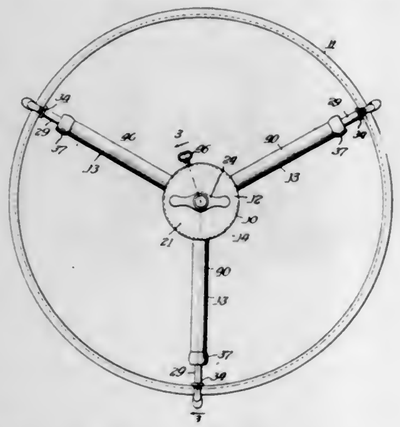
1,506,976. ILLUMINATED SPEEDOMETER. JOSEPH H. COPE, Denver, Colo., assignor of one-half to George F. Kern, Windsor, Colo. Filed Jan. 15, 1924. Serial No. 686,451. 3 Claims. (Cl. 264—1.)



1. A speed-indicating device comprising, in combination, a stationary annular scale, a dishlike member mounted so as to rotate about an axis concentric with said scale, said member having its outer edge bent upwardly so as to form a flange, said flange being provided with an opening, a cover over said dishlike member, a lamp located in the chamber formed by the dishlike member and the cover, and speed-responsive means for rotating said member whereby a beam of light will pass through the opening and illuminate a portion of the scale.

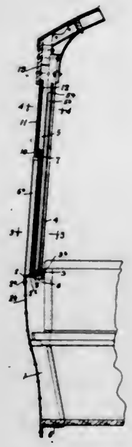
1,506,977. TIRE CARRIER. MAX G. DICHWOLF and CLAYTON E. SCHULTZ, Chicago, Ill. Filed May 31, 1921. Serial No. 474,028. 3 Claims. (Cl. 224—29.)

1. A tire carrier comprising a central portion having a plurality of radially reciprocal arms projecting therefrom; said central portion including a master pinion disposed with its axis perpendicular to the axes of the arms at their central point of intersection, a plurality of pinions each of which is adapted to translate the rotary motion of the master pinion into the reciprocal motion of one of the arms and is arranged about the axis of the master pinion on the side thereof from which the particular arm operated thereby projects from the



central portion of the carrier, and a member providing both a journal bearing for the master pinion and thrust bearings for the pinions connected with the arms.

1,506,978. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 11, 1922. Serial No. 581,069. 14 Claims. (Cl. 105—399.)



2. In a car body, the combination with ribs built into the lower structure and a belt rail extending over and inward of the ribs and secured, of side posts built into the upper structure and extending from near the belt rail to near the roof, and anchors adapted to secure the posts to the belt rail.

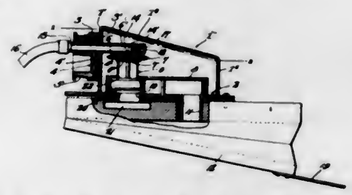
1,506,979. EDUCATIONAL GAME DEVICE. ITHA FOULKS, Chicago, Ill. Filed Oct. 27, 1921. Serial No. 510,701. 1 Claim. (Cl. 35—6.)

An educational game device, comprising a platform having on the upper surface thereof, a map forming a playground, said map corresponding in outline to the geographical outline of a country, said map being composed of a plurality of permanently associated, distinct areas distinguishable in size and outline, each area corresponding in outline to the geographical outline of an actual political sub-division of the country, said map being of a size to accommodate a number of persons



thereon for movement from point to point on the map during play and still be embraced in its entirety within the field of vision of a person thereon, whereby geographical instruction may be imparted to persons thereon while traveling from area to area.

1,506,980. PNEUMATIC ACTION FOR PLAYER PIANOS. GUILLERMO FREUND, Lima, Peru. Filed Mar. 12, 1923. Serial No. 624,616. 9 Claims. (Cl. 84—56.)



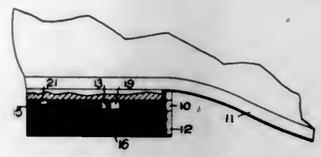
1. In a pneumatic action for player pianos and the like, an all-metal action chest embodying a flat base plate forming the bottom of the chest, a sheet bent to form the front and rear walls and the top, and plates forming the end walls, all of said parts being rigidly connected together; and a series of all-metal valve boxes disposed within the chest and mounted on the bottom wall thereof.

1,506,981. VENDING MACHINE. ALBERT D. GROVER, New York, N. Y., assignor to Autosales Corporation, a Corporation of New York. Original application filed May 8, 1918, Serial No. 233,194. Divided and this application filed June 28, 1921. Serial No. 480,998. 2 Claims. (Cl. 194—97.)



2. In a coin-controlled vending machine, an outer casing, a plate forming part of the front of said casing, said plate being provided with a coin-entrance opening and a separate coin-discharge opening, a hand-operable member for receiving the coin inserted through said coin-entrance opening and carrying the same into operative position, and means provided on said member whereby a coin inserted into said coin-entrance opening when said member is out of normal position is automatically discharged through said coin-discharge opening during the return movement of said member.

1,506,982. DETACHABLE HEEL. WILLIAM A. MALONEY, Needham, Mass. Filed May 24, 1920, Serial No. 383,669. Renewed Jan. 26, 1924. 1 Claim. (Cl. 36—36.)



In a shoe, a heel comprising a portion permanently secured to the shoe, and a resilient detachable portion, one of said parts having a locking plate fixed in position therein, and the other part having a headed fastening member formed for locking engagement with said plate, said plate having a slot closely fitting said member below the head thereof but enlarged rearward to permit free passage of said head, one of said portions having projections and the other portion having recesses to receive said projections to prevent relative lateral or longitudinal movement of the parts, certain of said recesses being elongated to permit sliding, locking movement of the detachable heel relatively to the shoe and one of the recesses closely fitting its projection both laterally and longitudinally of the shoe to prevent accidental displacement of the attached heel.

1,506,983. LEATHER-SURFACE-REPAIR COMPOSITION. JAMES S. MARRS and ROBERT M. MORRIS, St. Louis, Mo. Filed Mar. 28, 1921. Serial No. 456,166. 5 Claims. (Cl. 134—9.)

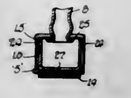
5. A leather surface repair composition, comprising substantially one ounce beeswax, one ounce shellac wax, one ounce dry shellac, one ounce ceresine wax, one ounce turpentine and a color base.

1,506,984. TOWER AND OTHER SIMILAR STRUCTURE. IRA W. MARSHALL, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 7, 1921. Serial No. 459,329. 7 Claims. (Cl. 189—12.)



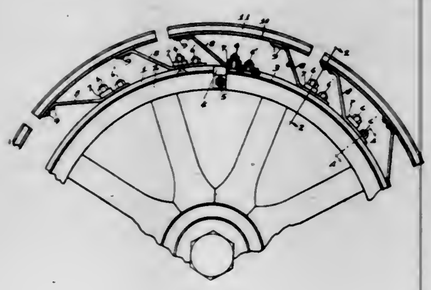
1. A tower having all of the longitudinally extending members of certain of its sides arranged in pairs, the two members of each pair extending obliquely to and crossing each other intermediate their ends, the corresponding ends of the members of each pair being connected by a transversely extending tension member, substantially as described.

1,506,985. RUBBER-STAMP CONSTRUCTION. Louis J. Melind, Chicago, Ill., assignor to Louis Melind Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,505. 8 Claims. (Cl. 101—405.)



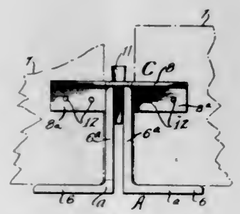
1. In a rubber stamp mounting, the combination of a block constructed of an upper sheet metal stamping and a lower sheet metal stamping, flanges extending from one of said stampings and forming closed sides for the block, a handle extending upwardly from said block, and type carried by said lower stamping.

1,506,986. SPRING WHEEL. John E. Miller, Forman, N. Dak. Filed May 14, 1923. Serial No. 638,873. 3 Claims. (Cl. 152—8.)



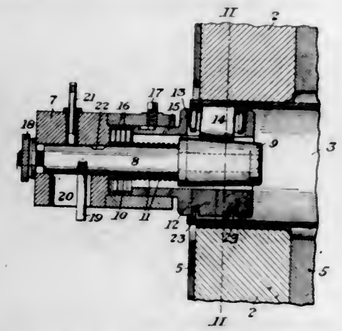
2. A spring wheel comprising in combination a ring adapted to be mounted on the felly rim of a wheel, a plurality of tread plates for said ring, and two substantially parallel cantilever springs connecting each of said tread plates with said ring.

1,506,987. BUILDING CONSTRUCTION. Robert P. Miller, Los Angeles, Calif. Filed Mar. 3, 1921. Serial No. 696,473. 6 Claims. (Cl. 189—35.)



1. A device adapted to be applied to a structural element, comprising a web, spaced members connected by a web and adapted to rest upon such structural element and to receive further structural elements between such members to prevent displacement thereof, and means for preventing displacement of such device; said first named structural element comprising spaced members adapted to receive a wedge constituting such means.

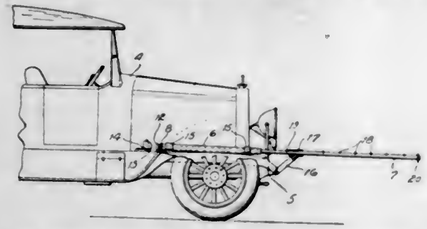
1,506,988. METHOD AND APPARATUS FOR ROUNDING. George F. Mirfield, Youngstown, Ohio. Filed July 11, 1922. Serial No. 574,184. 19 Claims. (Cl. 153—82.)



1. In the method of rounding hollow articles, the steps consisting in initially holding the article at independent points, and then bending successive portions of the wall of the article in a radial direction between said points to round the same, substantially as described.

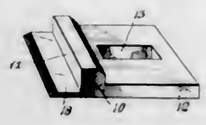
8. In an apparatus for rounding metal articles, means for supporting the article to be rounded at a plurality of spaced points, and means for successively flexing the walls of the pipe intermediate the points of support to round the same, substantially as described.

1,506,989. SAFETY FENDER FOR AUTOMOBILES. William H. Melloy, St. Louis, Mo. Filed Jan. 7, 1924. Serial No. 684,885. 3 Claims. (Cl. 293—26.)



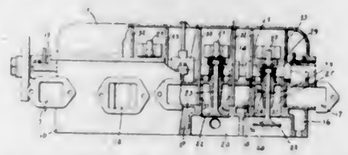
2. A safety fender for automobiles comprising in combination with an auto chassis frame of a sleeve carried by each side of said frame, a second sleeve carried by said frame in longitudinal alinement with said first mentioned sleeve, a rod slidably mounted in each pair of sleeves, a plurality of resilient spaced apart members secured to said rods, shock absorbing means adapted to cushion end thrust of said rods, and pneumatic means for limiting the rearward movement of said rods.

1,506,990. PRINTING-PRESS GUIDE. William Meltaler, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,795. 1 Claim. (Cl. 101—415.)



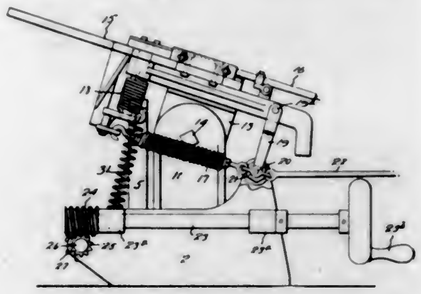
In a guide for positioning sheets upon a tympan sheet, a head portion having an edge surface adapted to engage with edges of the sheets fed on to the tympan sheet, a longitudinally slotted flange extending rearwardly from the base of the head portion, a tongue extending forwardly from the base of the head portion, a plate for insertion beneath the tympan, a threaded stem on the plate for insertion through the slot in the flange, and a nut for clamping the plate to the flange; the under surfaces of the head portion, flange and tongue lying substantially in a common plane at an abrupt angle to the sheet engaging surface of the head portion and being adapted to bear against the tympan sheet with the tongue inserted under the same through a transverse slot therein.

1,506,991. VALVE CONSTRUCTION FOR INTERNAL-COMBUSTION ENGINES. Fred S. Nash, Cincinnati, Ohio, William H. Harris, Indianapolis, Ind., and Constantine P. Schwarz, Cincinnati, Ohio; said Nash and said Schwarz assignors to said Harris. Filed Apr. 1, 1922. Serial No. 548,807. 3 Claims. (Cl. 123—79.)



2. A valve construction for an internal combustion engine having a combustion chamber and a single passage thereto, a poppet valve controlling said single passage, intake and exhaust passages communicating with said passage and extending oppositely from the opposite sides of said common passage, a disk valve positioned at each side of said common passage and controlling the communication thereto with the adjacent passage, means for actuating said poppet valve, and a single cam shaft for rotating said disk valves and having a cam positioned intermediate said disk valves for actuating the poppet valve operating means.

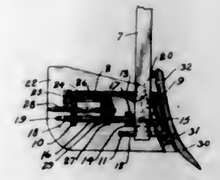
1,506,992. TARGET TRAP. Paul North, Lakewood, Ohio. Filed Oct. 5, 1922. Serial No. 592,474. 2 Claims. (Cl. 124—6.)



1. In a target trap, the combination of a sub-base, a tilting base adjustably mounted upon the sub-base, a complete target throwing mechanism mounted upon the tilting base and comprising a frame additional to such tilting base, and power-operated means for moving the tilting base upon the sub-base and without interruption of the target-throwing operation.

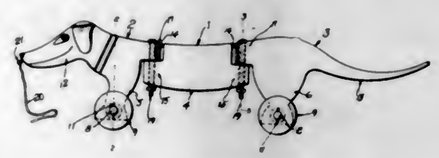
1,506,993. ADJUSTABLE DITCHER FOR CULTIVATORS. Tomotaro Okamoto, Fort Lupton, Colo. Filed Mar. 9, 1922. Serial No. 542,369. 2 Claims. (Cl. 97—198.)

1. In a device of the class described, a body member comprising a bar having a horizontal central section, a downwardly and forwardly inclined part forming the front end thereof, a downwardly projecting section forming the rear end, a vertical bar pivotally connected to the horizontal section of the first named bar, means secured to the lower end of the vertical bar and cooperatively



connected to the rear end of the first named bar for adjusting the relative positions of the same, and a curved plate secured to the downwardly and forwardly inclined part of the first named bar.

1,506,994. TOY. Eulis J. Palmatier, Denver, Colo., assignor to International Toy Manufacturing Company, Seattle, Wash., a Corporation of Washington. Filed Nov. 6, 1920. Serial No. 422,187. 1 Claim. (Cl. 46—45.)



A toy representing a quadruped comprising a section formed to represent a head and having an integral supporting leg, rollers on said leg, said section having the rear portion recessed, a tail section having the representation of a tail extending rearwardly therefrom and having an integral leg, rollers on said leg, said tail section having the front portion recessed, and a middle or body section recessed to engage the recesses in the head and tail section, and pivotally connected to said sections.

1,506,995. AIR SHOTGUN. William Paul, Beecher, Ill. Filed Feb. 9, 1924. Serial No. 691,618. 10 Claims. (Cl. 124—8.)

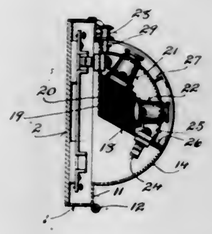


9. In a shot gun the combination with a stock, of a compressed air casing supported thereon, an air pump tube and a barrel projecting into the casing, a control valve for the barrel, a valve for the pump tube, springs for holding the barrel control valve and the pump valve closed, a pair of rods slidable in the casing with one of said rods projecting into said stock, a member pivoted in said casing co-acting with said rods, and means in the stock adapted to operate the projecting rod to cause opening of the barrel valve.

1,506,996. FUSE BOX. Paul F. Picker, Kenosha, Wis. Filed Sept. 6, 1923. Serial No. 661,190. 2 Claims. (Cl. 200—114.)

1. A fuse box comprising a casing having an apertured cylindrical portion provided with a slot, a member pivotally mounted within said casing, a handle extending

through said slot and connected with said member, switch mechanism located within said casing and operated by said member, and fuse plugs removably carried by said



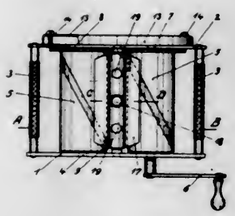
member and adapted to occupy a position beneath said aperture, said fuse plugs being electrically connected to said switch mechanism.

1,506,997. COVER BOARD AND METHOD OF MAKING SAME. WILLIAM P. PITT, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Mar. 28, 1921. Serial No. 456,173. 10 Claims. (Cl. 154—41.)



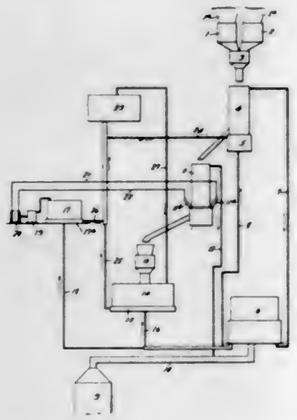
2. A cover board comprising a flat body member, and two relatively hard and rigid enveloping members respectively embracing opposite sides thereof and integral therewith, each enveloping member having marginal portions extending from one side of the body member around the edges thereof to and embracing the other side of the body member, substantially as set forth.

1,506,998. DEVICE FOR GRINDING AND POLISHING RAZOR BLADES. WILLY REICHMANN, Hamburg, Germany. Filed Sept. 1, 1922. Serial No. 585,750. 3 Claims. (Cl. 51—80.)



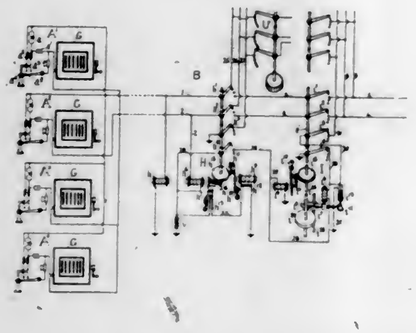
1. A device for grinding and polishing razor-blades, comprising, in combination, rollers having each an oblique groove in a portion of its circumferential surface; a leather covering upon that surface, except said groove; a grindstone shaped correspondingly to the said groove and being located, and radially adjustable, in it; pressure springs arranged in recesses in said rollers below said grindstone; means for pulling the grindstone radially inwards counter to the pressure of said springs; a frame in which the said rollers are supported; means for holding a blade on said frame; and means for rotating the rollers, as set forth.

1,506,999. PROCESS OF PREPARING MATERIAL FOR AND PRODUCING THEREFROM NITRIFIED MATERIAL. JAMES HENRY REID, Readsboro, Vt., assignor to International Nitrogen Company, Cleveland, Ohio, a Corporation of Delaware. Filed Dec. 16, 1920. Serial No. 431,100. 6 Claims. (Cl. 204—63.)



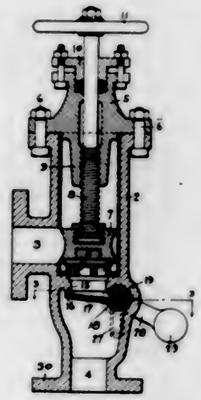
5. The process of making nitrified material which comprises retorting a mixture to form a solid product and a combustible gas, furnacing the solid product to form a product capable of being nitrified and a combustible gas, and using at least a portion of the gases from such heating operations as fuel to heat the retort.

1,507,000. AUTOMATIC TELEPHONE EXCHANGE. JOHN G. ROBERTS, Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Mar. 10, 1906. Serial No. 305,272. 140 Claims. (Cl. 179—18.)



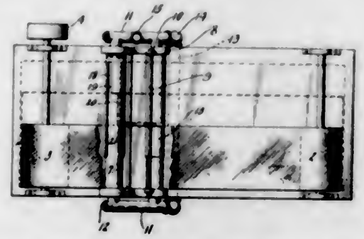
64. Connecting mechanism for a telephone exchange comprising a selecting switch and a motor magnet therefor, of an actuating circuit for said motor magnet and means for producing a plurality of short interruptions of current in said actuating circuit, said motor magnet being responsive upon the closure of one of said interruptions to start the movement of said selecting switch, and upon the occurrence of the next succeeding interruption to stop the movement thereof.

1,507,001. VALVE. JOHN F. ROBERTSON, Bellevue, Pa.; Nellie Eckert Robertson administratrix of said John F. Robertson, deceased. Filed Dec. 13, 1920. Serial No. 430,380. 20 Claims. (Cl. 277—51.)



3. Means for entrapping fluid leaking through a valve and for conducting said fluid to the outer atmosphere.

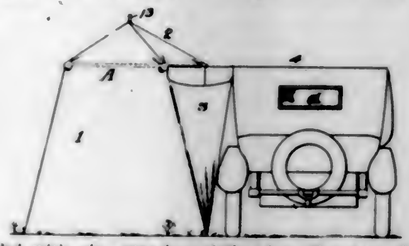
1,507,002. FABRIC-CLEANING APPARATUS. HERBERT C. ROEDER, Cleveland, Ohio, assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 27, 1920. Serial No. 420,066. 4 Claims. (Cl. 15—15.)



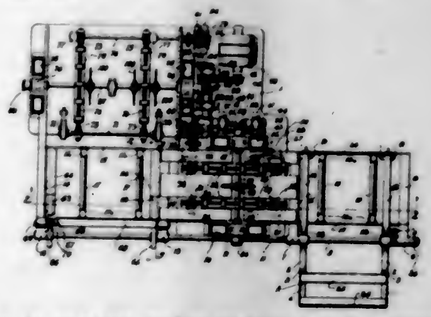
1. In an apparatus of the character described, the combination with a tubular member having a longitudinal slot to form a nozzle over which fabric to be cleaned may be passed, a movable member associated with said tubular member, means on said movable member cooperating with said slot whereby, when said movable member is actuated, the effective length of said slot may be varied, and a plurality of locking devices operative upon movement of said movable member and corresponding in number with the number of positions of adjustment of said movable member whereby to locate said movable member with respect to said tubular member, and to secure said movable member in said several positions thereof.

1,507,003. DEVICE FOR STRETCHING THE ROOF OF A TENT. PETER C. SCHAEFER, Denver, Colo. Filed Feb. 11, 1922. Serial No. 535,819. 1 Claim. (Cl. 135—3.)

In a structure of the character described, the combination of a tent provided with side walls and a roof and strips about the tent and providing pockets at the junction of the side walls and roof, and a stretcher frame comprising bars in said pockets having their ends extended beyond the ends of the pockets at the corners of the side walls, caps in threaded engagement with the ends of certain of said bars and their outer ends provided with eyes, and caps in threaded engagement with the ends of the remaining bars having their outer ends provided with pin extensions fitting into the eyes of the first bars to releasably connect the bars in frame forming relation to each other.

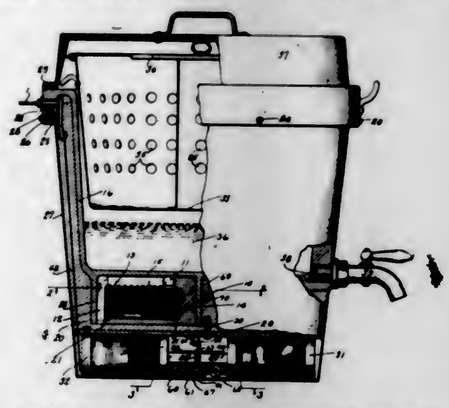


1,507,004. ICE KERFING OR SCORING MACHINE. THEODORE A. SCHRAISHUHN, Canton, Ohio. Filed Jan. 19, 1922. Serial No. 530,383. 10 Claims. (Cl. 125—13.)



1. An ice kerfing machine including means for conveying a block of ice longitudinally through the machine, means for kerfing the upper and lower surfaces of the ice, a pusher for changing the direction of movement of the block of ice at right angles and means for kerfing the upper and lower surfaces of the block transversely.

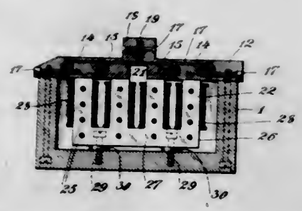
1,507,005. ELECTRIC HEATER. DAVID E. SHAW and HAROLD N. SHAW, Milwaukee, Wis.; said David E. Shaw assignor to said Harold N. Shaw. Filed Dec. 29, 1920. Serial No. 433,868. 22 Claims. (Cl. 219—47.)



1. An electrical heating device, comprising a magnetic circuit, a primary coil connectable with a source of electrical supply, and a secondary circuit forming a

leating element, said heating element substantially presenting a continuous integral surface to and being in direct contact with the magnetic circuit and the substance to be heated.

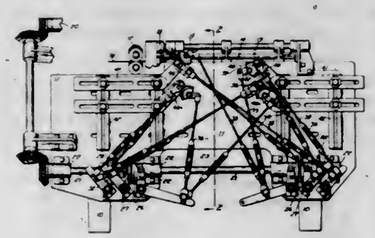
1,507,006. MAGNETIC CHUCK. FRANK L. SIMMONS, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Oct. 28, 1918. Serial No. 259,939. 14 Claims. (Cl. 175—367.)



3. A magnetic chuck comprising in combination a housing, a face plate forming the cover for said housing, said face plate comprising a frame, a plurality of pole pieces within said frame, certain of said pole pieces extending upwardly to form a rib integral with said face plate, nonmagnetic material separating said pole pieces one from another and from said frame, and means for energizing said pole pieces.

5. As an article of manufacture a face plate for magnetic chucks and the like comprising in combination a frame, a plurality of pole pieces mounted in said frame, a phenol condensation product separating said pole pieces one from another and from said frame.

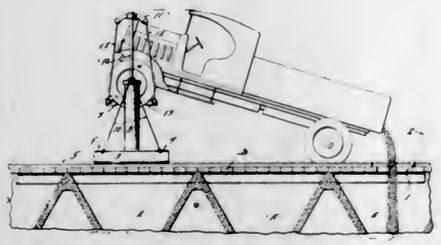
1,507,007. WIRE-FORMING MACHINE. FRANK H. SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1923. Serial No. 610,812. 20 Claims. (Cl. 153—16.)



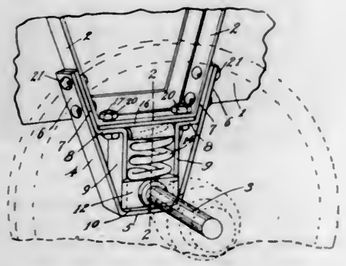
1. In a machine for forming wire, in combination, with means for feeding a length of wire into a certain position, means for releasing the wire, a table located below the holding means in inclined position, and stops located adjacent to the table, whereby when the wire is released it will roll down the table into contact with said stops and will be held thereby in a predetermined definite position on the table.

1,507,008. VEHICLE DUMPING APPARATUS. RICHARD C. STONE, St. Louis, Mo. Filed Mar. 3, 1920. Serial No. 363,362. 4 Claims. (Cl. 187—9.5.)

4. In a vehicle dumping apparatus, a carriage having side members separated from each other to provide a space for the front portion of the vehicle, connecting means whereby said side members are united, wheel-seats for the front wheels of the vehicle, hoisting devices comprising air cylinders one of which is located adjacent to each side member of the carriage, a piston operable in each of said cylinders, each of said pistons being provided with a piston rod, and depending hangers connecting said piston rods and said wheel-seats, vertical guides forming parts of the side members of the carriage, and thrust members connecting said wheel-seats and said vertical guides whereby said carriage may be moved horizontally in response to vertical movements of said wheel-seats, so as to permit said wheel-seats and the vehicle wheels thereon to move upwardly in an arc of a circle.



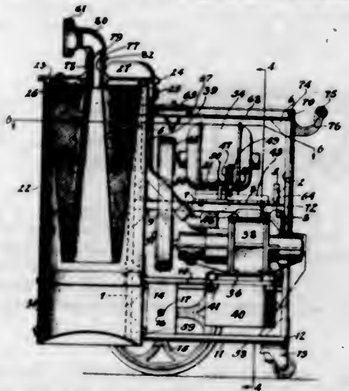
1,507,009. PORTABLE TAR AND ASPHALT HEATER FOR ROAD MAINTENANCE. HERMAN H. STRIETMANN, Cincinnati, Ohio, assignor to Littleford Brothers, Cincinnati, Ohio, a Partnership composed of John S. Littleford, Thomas S. Littleford, Roger S. Littleford, and John S. Littleford, jr. Filed Mar. 5, 1924. Serial No. 697,131. 3 Claims. (Cl. 280—124.)



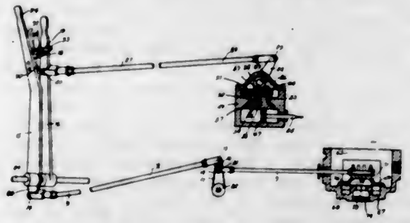
1. In a device of the character specified, the combination with the heater body and carrying axle with axle block, of an outside and inside strap engaging under said block, the inside strap having vertical portions to guide said block, a plate enclosing the inside strap, with a spring interposed between said axle block and said plate and said straps secured together and to the heater body.

1,507,010. VACUUM CLEANER. WILLIAM S. SUTTON, Rockford, Ill., assignor to American Radiator Company, Chicago, Ill.; a Corporation of New Jersey. Filed June 2, 1921. Serial No. 474,422. 2 Claims. (Cl. 183—37.)

1. A machine of the character described comprising a frame, wheels on said frame, wall members detachably secured to said frame, an exhauster and a motor mounted within said frame and operatively associated, a vertical separator secured to one end of said frame and arranged exteriorly with respect thereto, and forming a rigid end wall of said casing, a dust collecting receptacle detachably secured to the base of said separator, and means for operatively connecting said separator with said exhauster, substantially as specified.

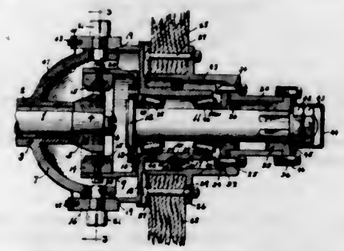


1,507,011. ENGINE AND CLUTCH CONTROLLING MECHANISM. CHARLES A. WEBER, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Mar. 26, 1921. Serial No. 455,889. 11 Claims. (Cl. 74—107.)



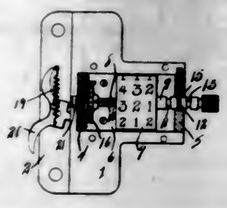
1. In combination, an engine, a clutch, a hoist drum, said clutch being adapted to link said engine and said drum, a steam ram, said ram controlling said clutch, an engine controlling valve, a ram controlling valve, separate mechanisms for operating each of said valves including operating levers, and means for coupling said levers together, each of said mechanisms being adapted to be operated by its lever when said levers are uncoupled and to be operated in unison by the actuation of one of said levers when said levers are coupled.

1,507,012. VEHICLE DRIVING AND STEERING MECHANISM. JOHN J. WEIER, Birmingham, Mich. Filed Apr. 8, 1922. Serial No. 550,707. 3 Claims. (Cl. 180—43.)



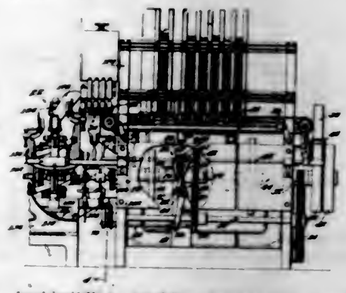
1. A steering and driving mechanism for motor vehicles, comprising a driving shaft and a housing therefor, a head on the end of said housing, a spindle pivotally connected to said housing and comprising a cylindrical outer end, a pair of roller bearings mounted within the cylindrical end of the spindle, a stub-axle journaled in said bearings, a wheel hub extending over the outer end of the stub-axle, a bushing secured within the hub and slidable upon the stub-axle and adapted to engage one of said bearings to adjust said bearings, and means to operatively connect the outer ends of the hub and stub-axle.

1,507,013. INDICATOR FOR LINOTYPE COMPOSITORS. THOMAS E. WINDLE, Fort Worth, Tex. Filed Sept. 11, 1923. Serial No. 662,142. 4 Claims. (Cl. 235—118.)



1. An indicator for linotype compositors comprising a casing provided with a port, a cylinder journalled in and axially adjustable therewith and provided with a plurality of rows of digits around the periphery thereof, and actuating means for revolving said cylinder.

1,507,014. HEEL-BUILDING MACHINE. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 1, 1920. Serial No. 362,358. 62 Claims. (Cl. 12—50.)

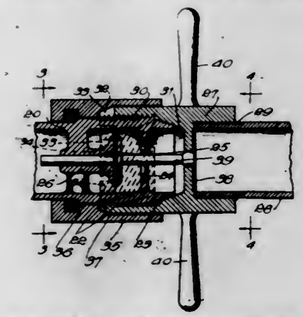


1. A heel-building machine having, in combination, means for periodically delivering successive series of heel lifts in a row, and means for assembling each row of lifts in the form of a heel-pile including a rotatable turret comprising a plurality of lift-receiving devices and rotatable in steps to bring said receiving devices successively into position to receive a series of lifts in a pile as the lifts comprising said series are advanced in succession thereto.

1,507,015. MEANS FOR CONVEYING STEAM AND OTHER FLUIDS UNDER PRESSURE. CHARLES F. ZIMMERMANN, Chicago, Ill., assignor to American Steam Conveyor Corporation, Chicago, Ill., a Corporation of New York. Filed Feb. 13, 1919. Serial No. 276,799. 8 Claims. (Cl. 284—4.)

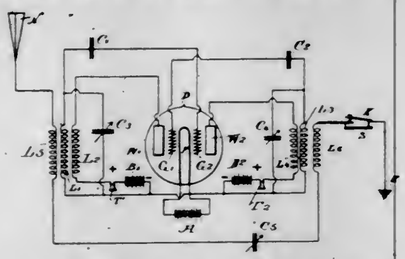
4. Means for conveying steam from the boiler of a locomotive to a steam-consuming device, comprising a conduit having one end adapted to be connected with a locomotive boiler, a second conduit having one end adapted to be secured to the steam-consuming device, a coupling member secured to the free end of said first-named conduit, a second coupling member secured to the free end of said second conduit, the said coupling mem-

bers being provided with co-acting means for yieldingly holding said coupling members together, comprising means for preventing said coupling members from becoming uncoupled by the pressure of the steam in said coupling members, a valve in said first-named coupling



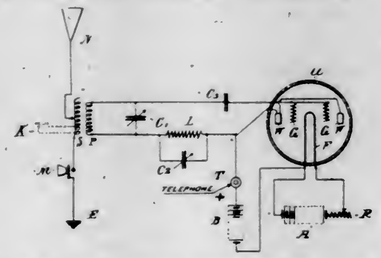
member, and means on said second coupling member for holding said valve open when said coupling members are secured together, said valve being subjected to the pressure of the steam flowing in said first-named conduit, so as to automatically close when said coupling members are separated while steam is flowing therethrough.

1,507,016. RADIOSIGNALING SYSTEM. LEE DE FOREST, New York, N. Y., assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 23, 1915. Serial No. 52,176. 41 Claims. (Cl. 250—8.)



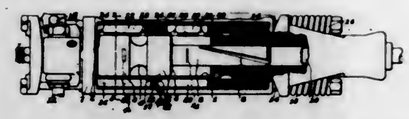
35. A work circuit and means for generating and transmitting the generated oscillations to said work circuit, comprising an audion and its associated circuits.

1,507,017. WIRELESS TELEGRAPH AND TELEPHONE SYSTEM. LEE DE FOREST, New York, N. Y., assignor to Radio Telephone & Telegraph Company, a Corporation of Delaware. Filed Mar. 20, 1914. Serial No. 825,954. 21 Claims. (Cl. 250—9.)



17. In a radio signaling system, an audion including hot and cold electrodes therein, said cold electrodes being located at relatively different distances from said hot electrode, circuits connecting each of said cold electrodes to said hot electrode, and means to cause said circuits to react upon each other.

1,507,018. PRESSURE-FLUID MOTOR. GEORGE H. GILMAN, Boston, Mass., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 31, 1917, Serial No. 209,791. Renewed Nov. 5, 1923. 47 Claims. (Cl. 121—17.)



1. In a pressure fluid motor, a cylinder, a piston therein, and means for effecting reciprocation of said piston including a plurality of fluid pressure supply ports having direct communication with a source of pressure through passages of different flow areas, and means for connecting said supply ports with the ends of the cylinder.

1,507,019. SIGNALING APPARATUS. BOWEN R. GOVER, Detroit, Mich. Filed Sept. 29, 1923. Serial No. 665,558. 1 Claim. (Cl. 200—59.)



A switch of the class described comprising a pair of rigid strips of insulating material, said strips being provided with central transverse grooves for the reception of the spoke of a steering wheel therebetween, bolts adjustably connecting the ends of said insulating strip for clamping the latter to said spoke and for connection with wires of a signal box, one of said strips having the heads of said bolts exposed at the outer side thereof and being provided with a raised portion between the heads of the bolts, a resilient strip secured against said raised portion and having screws extending thru the ends thereof opposed to the heads of the bolts, finger pieces secured upon the ends of said resilient strip by means of said screws, and depending skirts carried by the finger pfeces.

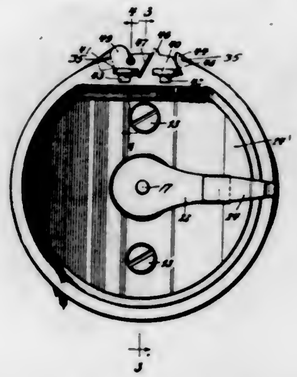
1,507,020. FILM-LUBRICATED BEARING. ANTHONY GEORGE MALDON MICHELL, Melbourne, Victoria, Australia, assignor to Michell Bearings Limited, Westminster, England. Filed Sept. 12, 1922. Serial No. 587,722. 7 Claims. (Cl. 64—25.)



1. In a bearing of the character described, the combination of a rotary shaft, a plurality of bearing shoes each having a leading-in edge opposed to the direction of rotation of the shaft and a leading-out edge of less width transversely than the leading-in edge.

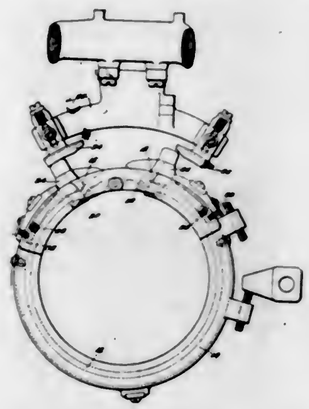
1,507,021. RHEOSTAT. JOHN H. MILLER, Oak Park, Ill. Filed Apr. 28, 1922, Serial No. 557,165. Renewed July 21, 1924. 19 Claims. (Cl. 219—38.)

1. In a rheostat, a resistance element, a support therefor having a curved surface about which said element lies, a movable contact member positioned between said surface and said element, and means for adjusting said contact member along said curved surface, said resist-



ance element being maintained by its own tension in engagement with said contact member during the movement thereof.

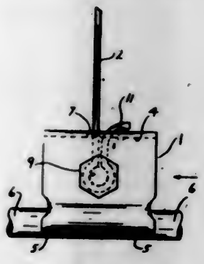
1,507,022. WEB-HOLDER MECHANISM FOR KNITTING MACHINES. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Original application filed Apr. 5, 1921, Serial No. 458,640. Divided and this application filed May 27, 1922. Serial No. 564,211. 7 Claims. (Cl. 66—26.)



1. A knitting machine having, in combination, a needle cylinder, web holders, a web holder cam ring, a cam carrier movable on the ring toward and away from its axis, and a web holder advancing cam and a web holder retracting cam in fixed relation on the carrier, and means for advancing and retracting the carrier during the knitting.

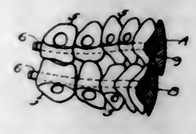
1,507,023. HANGER FOR TROLLEY WIRES AND THE LIKE. WINFORD GLADSTONE MILNE, Hamilton, Ontario, Canada, assignor to The N. Slater Company Limited, Hamilton, Ontario, Canada. Filed June 9, 1924. Serial No. 718,970. 4 Claims. (Cl. 191—43.)

1. In a device of the class described, the combination with an ear, comprising opposed wire gripping jaws and a bolt mounted in the ear and operatively coacting with the jaws, of an ear support comprising a rod extending downwardly and bent backwardly upon itself about the



aforesaid bolt, and means formed on the ear and coacting with the backwardly bent portion of the rod for preventing the straightening out of said bent portion.

1,507,024. ARTIFICIAL TOOTH. CARLTON I. MONSON, Denver, Colo. Filed Jan. 16, 1922. Serial No. 529,611. 4 Claims. (Cl. 32—4.)



4. As a new article of manufacture, upper and lower sets of artificial teeth adapted to be set in opposed dental mountings, bands tying the teeth of each set together in true anatomical arrangement, and means connecting the two sets in correct occlusion for anatomical articulation.

1,507,025. INDEX BOOK FOR FILING SYSTEMS. CHARLES F. MCBEE, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio. Filed Nov. 17, 1921. Serial No. 515,818. 3 Claims. (Cl. 283—36.)

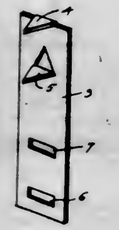


1. An index book for filing systems comprising the embodiment of a group of leaves containing a classified list of allied industries, and an identifying character for each of same with a classified list of subjects pertaining to possible correspondence matters, and an identifying character for each subject with a classified list of keywords pertaining to the subjects and an identifying character for each of the same, referring the operator to the page of the book on which the particular subject is listed.

1,507,026. HARNESS-REPAIR DEVICE. GEORGE O. MCKOUN, Elwood, Nebr. Filed July 21, 1922. Serial No. 576,560. 1 Claim. (Cl. 24—265.)

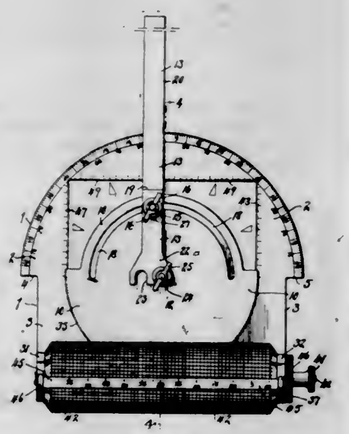
A device of the class described comprising an elongated body member adapted to be folded back upon itself intermediate its ends, one of said folded portions having

tranaversely extending slots formed therein adjacent the free end and folded portion thereof respectively, the other folded portion having a prong formed integrally on the free end thereof, an additional prong struck up from



the body of said last mentioned folded portion, said prongs adapted to extend through a member enclosed between said folded portions and receivable in said slots, the ends of said prongs being adapted to be bent back upon the outer face of said first mentioned folded portion.

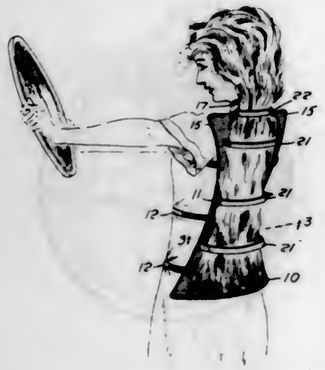
1,507,027. PROTRACTOR. JOHN D. MCLEOD, Oakmont, Pa. Filed June 3, 1922. Serial No. 565,636. 13 Claims. (Cl. 33—75.)



1. A device comprising a base, an arm pivotally mounted upon the base and extending radially therefrom, a cylinder rotatably mounted upon the base, gearing interposed between the arm and the cylinder for communicating a relative motion between the arm, and the cylinder, said cylinder having graduations arranged thereon and a reading bar mounted adjacent to the cylinder.

1,507,028. HAIR DRIER. ROSE M. POTTER, Lakeland, Fla. Filed Apr. 2, 1921. Serial No. 457,848. 2 Claims. (Cl. 34—26.)

1. A hair drier comprising a flexible sheet of material adapted to overlie the back of a person, body encircling means carried by said sheet at points spaced longitudinally thereof, and hair encircling means carried by the sheet



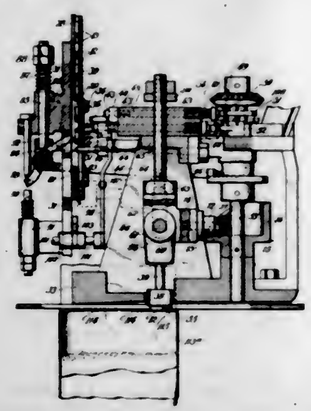
at points spaced longitudinally thereof for retaining hair extending along and within the lines of said sheet.

1,507,029. VERMIN EXTERMINATOR. ROBERT W. PRITTIE, Toronto, Ontario, Canada. Filed Dec. 30, 1920. Serial No. 434,171. 2 Claims. (Cl. 167—6.)

1. A compound for exterminating vermin including phosphorus, glycerine, tartar emetic, and a vehicle.

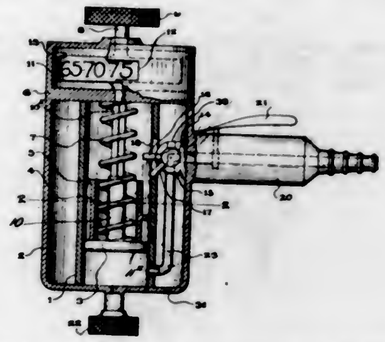
2. A compound for exterminating vermin including phosphorus, glycerine, carbon bisulphide, tartar emetic, caramel and a vehicle.

1,507,030. CARTON-CAPPING MECHANISM. WILLIAM RUSSELL REDD, Oak Park, Ill., assignor to The Morton Salt Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 31, 1921. Serial No. 526,343. 12 Claims. (Cl. 226—92.)



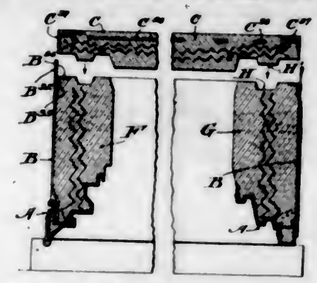
1. A capping machine comprising a chute adapted to receive a column of caps, a capping head mounted to move from the chute to the capping point and convey caps one at a time to the capping point, stop mechanism adapted to arrest the advance of the column of caps during the capping operation, and safety appliances adapted to be actuated by the presence of an undelivered cap to continue the arresting action of the stop mechanism when the capping head returns to receiving position with an undelivered cap, substantially as described.

1,507,031. PRESSURE GAUGE. HAROLD L. SCHIEBER, Caspian, Mich. Filed Oct. 30, 1922. Serial No. 597,960. 4 Claims. (Cl. 50—35.)



3. In a pressure gauge, the combination of a casing, a cylinder in said casing, a spring backed piston contained in said cylinder and movable rectilinearly and about its axis relative thereto, manual means for setting said piston, a pet cock adapted to be connected with a source of fluid pressure supply, and a connection between the said pet cock and said piston cylinder.

1,507,032. PROCESS OF FABRICATING FIRE-RESISTING SAFES. FRED A. SCHMITZ, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Mar. 31, 1923. Serial No. 629,192. 8 Claims. (Cl. 25—130.)



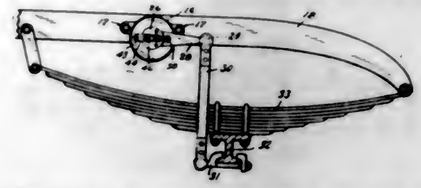
1. A process for making fireproof safes which consists first in preliminarily fabricating the door frame with a reinforcing frame, then forming a mold with said door frame as its bottom and subsequently placing a cementitious substance in the mold on top of the door frame and about the reinforcing frame.

1,507,033. LIQUID LEATHER CLEANER. AARON T. SEARCY, Chicago, Ill. Filed Jan. 30, 1922. Serial No. 532,862. 1 Claim. (Cl. 87—5.)

A liquid leather cleaner consisting of a solution of a mixture of 10 pounds of starch dissolved in 5 quarts of hot water and 10 bars of standard size of soap dissolved in 3 quarts of hot water, a dye, and benzoate of soda, boiled with 18 gallons of hot water.

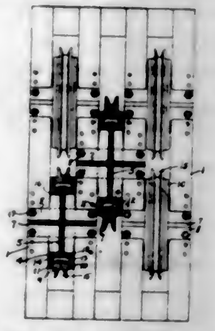
1,507,034. SPRING BRAKE. BENJAMIN F. SHIELDS, CHARLES G. CROMBIE, and GEORGE A. WINDELL, Seattle, Wash. Filed Dec. 20, 1921. Serial No. 523,701. 9 Claims. (Cl. 188—130.)

1. A spring brake for connection to the frame and axle of a spring supported vehicle, embodying brake means, having a constant neutral zone of operation corresponding to a predetermined normal vibratory movement between said frame and axle and in which it offers no resistance



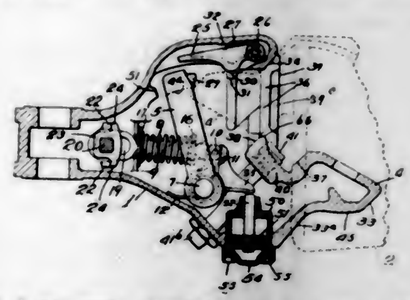
to said vibratory movement, said brake means being arranged to offer resistance to movement in either direction outside of said constant neutral zone.

1,507,035. CROWN BLOCK. WALTER C. TROUT, Lufkin, Tex. Filed Apr. 30, 1923. Serial No. 635,629. 6 Claims. (Cl. 254—190.)



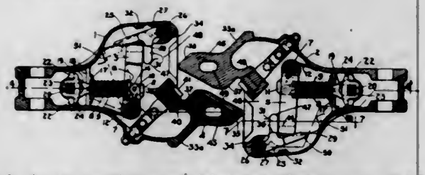
1. A crown block comprising a horizontally disposed frame, a series of pulley bearings on said frame, each bearing comprising an annular vertically arranged track, radially extending marginal flanges on said track forming a channel, a central vertically arranged supporting web for said track, laterally extending plates forming brackets on said web adapted to rest on said frame to support said track, and pulley rings rotatable in said channel on said track.

1,507,036. CAR COUPLER. HERBERT E. VAN DORN, Chicago, Ill. Filed Oct. 17, 1917. Serial No. 197,060. 13 Claims. (Cl. 213—76.)



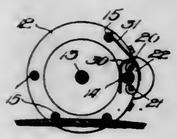
1. A car coupler comprising a hollow coupler head, a coupling part connected therewith, a pivotal locking part contained within said hollow coupler head, said locking part adapted to engage the coupling part of the adjacent coupler head, and a fluid actuated unlocking device for moving said locking part to its unlocked position, said unlocking device contained within said hollow coupler head between said locking part and the front end of the coupler head.

1,507,037. CAR COUPLER. HERBERT E. VAN DORN, Chicago, Ill. Filed Dec. 4, 1915. Serial No. 64,946. 21 Claims. (Cl. 213—76.)



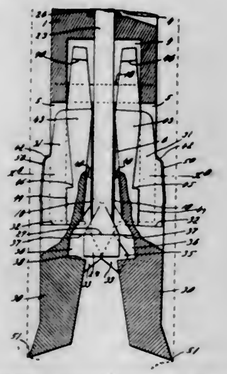
1. A car coupler comprising a hollow coupler head, a coupling part connected therewith, a pivoted locking part contained within said hollow coupler head, said locking part pivoted near one end, the other end being free, said locking part provided with a receiving opening into which the coupling part of the adjacent coupler head is received when the parts are in their coupled position, means for moving said locking part to its unlocked position, and a holding device within the hollow coupler head for holding said locking part in its unlocked position.

1,507,038. FISHING REEL. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed July 29, 1922. Serial No. 578,410. 4 Claims. (Cl. 242—84.4.)



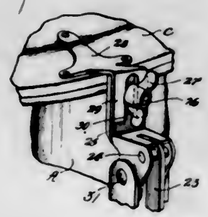
4. In a fishing reel, the combination of a carriage having two parallel holes extended through its body, a pair of guide rods extending through the holes and providing a guide whereon the carriage may freely slide there being also a socket extending into the carriage from one side thereof equidistantly from the two guides, a pawl disposed partly within the socket, means providing a combined retainer for the pawl and a propeller for the carriage consisting of a reversely threaded traversing shaft arranged to one side of the carriage in operative relation to the pawl therein, and a shield extending lengthwise of the traversing shaft and partially overlying the carriage and guiding means therefor, substantially as described.

1,507,039. UNDERREAMER. WILLIAM E. YOULE, Los Angeles, Calif. Filed Aug. 9, 1921. Serial No. 491,017. 25 Claims. (Cl. 255—75.)



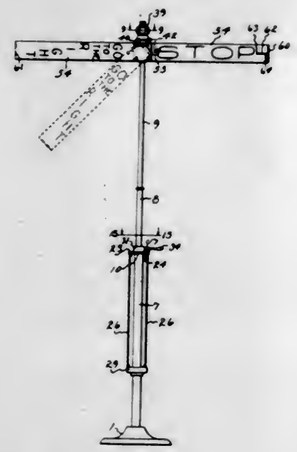
1. An underreamer comprising a body having slideways, cutters slidable therein, and means for translating the cutters, the body and cutters having cooperating surfaces causing an expansion and maintenance of the cutters during their translation, in an intermediate expanded relation, and thereafter in a completely expanded relation.

1,507,040. RECEPTACLE. LOTHAR R. ZIFFERER, Columbia, Pa. Filed May 3, 1923. Serial No. 636,342. 5 Claims. (Cl. 220—36.)



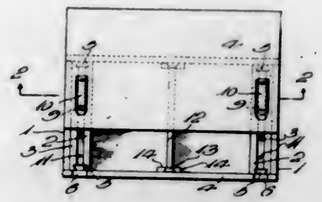
1. In combination with a receptacle, a cover provided with a downwardly depending arm adjacent its periphery, lifting means for the cover including an upwardly extending movable arm adapted to lie adjacent the cover arm, and clamping means rigidly securing the two arms together whereby an operative connection is established between the cover and its lifting means, substantially as described.

1,507,041. TRAFFIC SIGNAL. ORRIN W. BEEHLER, Thompsonville, Conn., and LLOYD B. COGSWELL, Springfield, Mass.; said Cogswell assignor to said Beehler. Filed Mar. 9, 1921. Serial No. 450,911. 24 Claims. (Cl. 116—63.)



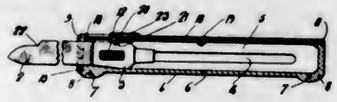
19. In a traffic signal having an extensible support and active and passive signal members, the combination of a signal lantern cooperative with said members and comprising a casing having a plurality of windows, colored panels in said windows with the diametrically opposed windows of the same color, a movable shell having open and colored windows being located in said casing and adapted when moved to juxtapose open or colored windows opposite the windows of said casing for producing active or passive signals, and means for manually moving said shell.

1,507,042. KNOCKDOWN BOX. JOHN LEWIS HINKLEY, Greenville, Ohio. Filed Apr. 16, 1923. Serial No. 632,502. 3 Claims. (Cl. 217—12.)



1. A knock-down box comprising a pair of end frames, the side-pieces of which are provided with undercut grooves, and a top, bottom and sides having transversely disposed undercut ribs adapted to be slidably received in said grooves, and ends carried by said frames.

1,507,043. POCKETKNIFE. GEORGE EDWIN BLOW, Stevenage, England. Filed Jan. 15, 1924. Serial No. 686,323. 11 Claims. (Cl. 30—10.)



1. In a pocket knife, a casing, at least one blade slidably mounted therein, sharpening means arranged at the end of the casing to operate on the cutting edge of the blade, spring means to hold the cutting edge of the blade in engagement with the sharpening means and a locking device for securing the blade in the open or closed position.

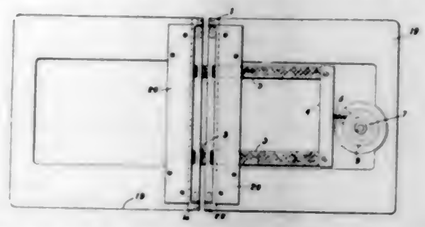
1,507,044. ADVERTISING NOVELTY. SOLOMON BRUCK, Los Angeles, Calif. Filed Sept. 8, 1923. Serial No. 661,640. 8 Claims. (Cl. 40—1.5.)



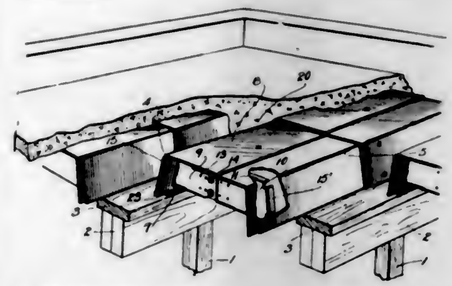
6. An advertising novelty comprising a hollow shell with human features depicted thereon, and having a slit therein and streamers associated with the slit.

1,507,045. LOOSE-LEAF BINDER. HAROLD OSMOND BURROUGHS and ERIC STANLEY BURROUGHS, Liverpool, England. Filed Jan. 15, 1923. Serial No. 612,805. 3 Claims. (Cl. 129—41.)

1. A loose leaf binding mechanism, comprising, binding elements connected to a common yoke, a ratchet disc by the rotation of which the binding elements are tightened, a flexible cord winding on the disc and connected to the yoke, a spring controlled pawl normally engaging the ratchet, a cam surface on the disc, an abutment on the disc, a key for operating the disc, said key having a projection which engages the abutment and rotates the disc when the key is turned one way, but engages the cam and causes the key to disengage the pawl when the key is turned the other way.

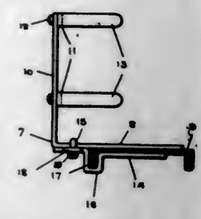


1,507,046. ADJUSTABLE FORM. BENJAMIN F. COCKERELL and ALBERT COMER, Kansas City, Mo. Filed Oct. 8, 1923. Serial No. 667,207. 10 Claims. (Cl. 25—131.5.)



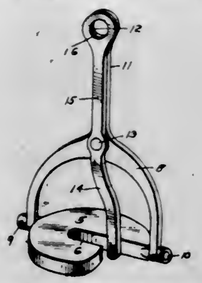
1. An adjustable form for concrete structures comprising two members, each consisting of an angle plate, each plate having an upright portion and a horizontal portion, the upright portions having stiffening members at their lower edges to rest upon soffit boards and pairs of brace members connecting the first two members, one brace member of each pair engaging an upright portion of one of the first two members, the inner ends of the brace members of each pair overlapping one another and means for adjustably connecting the brace members.

1,507,047. LUGGAGE CARRIER. FRANK A. DEGNER, Salem, S. Dak. Filed Apr. 24, 1923. Serial No. 634,308. 7 Claims. (Cl. 224—293.)



1. A luggage carrier comprising a wall having a foot to bear on a running board, a clamping bar under said foot, one terminal of said bar being arranged to extend under and bear upwardly against said board, the other terminal portion of said bar being substantially flush with said board beyond the edge thereof, and means for clamping said foot on the last named terminal portion of said bar.

1,507,048. ELEVATOR FOR PUMP RODS. JOHN PAUL DEVLIN, Dallas City, Pa. Filed June 4, 1924. Serial No. 717,827. 2 Claims. (Cl. 294—21.)



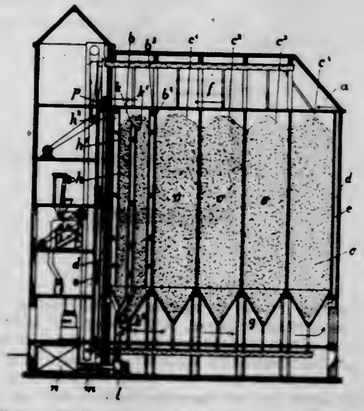
1. A device of the character described comprising a plate, a bail pivoted thereto and having an eye for engagement by an element of the hoisting tackle, and an element pivoted to said bail and likewise having an eye adapted to be engaged by the said element of the hoisting tackle and comprising a part which lies in a guarding position with respect to the plate whenever said eyes are aligned.

1,507,049. PROCESS OF TREATING AND PRODUCING CORRECTED HALFTONE PLATES OR METALLIC PRINTING PLATES. JULIUS DICKERT, Chicago, Ill. Filed July 24, 1922. Serial No. 576,996. 18 Claims. (Cl. 101—401.3.)



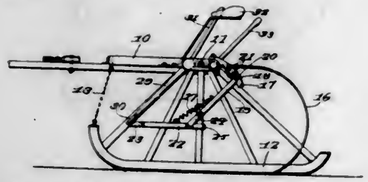
1. A process of treating half-tone plates, electrotype plates and other metallic printing plates which comprises etching an image on the surface of a make-ready sheet corresponding with the image on the printing side of a metallic printing plate to be made ready, then forcing the etched surface of the make-ready sheet against the printing surface of such metallic printing plate by means of pressure, thereby impressing upon the printing surface of the metallic printing plate the image which is etched upon the surface of the make-ready sheet.

1,507,050. PROCESS FOR THE STORAGE OF GRAIN. KARL DIENST, Charlottenburg, near Berlin, Germany. Filed Apr. 19, 1921. Serial No. 462,786. 4 Claims. (Cl. 99—14.)



1. The method of storing grain, which comprises circulating cold air through the grain and then storing the grain while cold without access to the outer air and without circulation through the grain, maintaining the low temperature of the grain during its storage without access to the cooling medium.

1,507,051. SLED-RUNNER HAYRAKE. GEORGE E. EVEY, Lisco, Nebr. Filed Dec. 29, 1921. Serial No. 525,615. 2 Claims. (Cl. 56—386.)



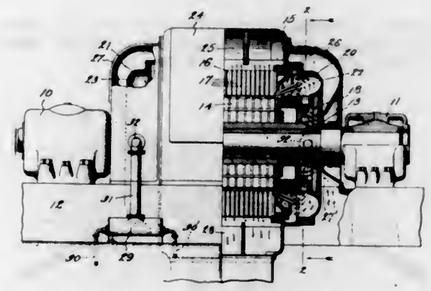
1. The combination with the frame and rake of a dumping rake, of a rearwardly and downwardly curved arm carried by one end of the rake and movable therewith, an arm pivotally mounted on and extending normally forward from said curved arm, a second arm pivotally connected adjacent one end to the outer end of the last-mentioned pivoted arm, a transverse head on the pivotal end of the second arm for limiting its movement with respect to the first pivoted arm, and an arm carried by the frame arranged to be swung into engagement with the second pivoted arm to engage the free end thereof in the ground whereby to produce the rearward movement of the arms and the lifting of the rake upon forward movement of the dumping rake.

1,507,052. RAILWAY SIGNALING DEVICE. WILLIAM F. FANNON, Uhrichsville, Ohio, assignor of one-fourth to William C. Baker, Port Washington, Ohio. Filed Oct. 30, 1922. Serial No. 597,932. 2 Claims. (Cl. 246—196.)

2. A railway signaling device including electric signal circuits and means for closing said circuits comprising a base plate carried by a locomotive, a plurality of normally depending switch blades pivotally mounted on said base in spaced relation, a resilient member for engagement with each switch blade, a pair of U-shaped contacts arranged one on each side of each switch blade and mounted on the base adapted to receive the respective blade for closing the corresponding circuit, each pair of contacts being connected in the same circuit and each switch blade being adapted to close said circuit when engaging either contact, said resilient member frictionally holding the switch blade, means for operating the switch blades to engage either contact through track mounted instrumentalities, a looped member pivotally mounted adjacent said base and overlying the plate for engagement with the switch blades when in engagement with their contacts, and means for moving said member on its pivot adapted to disengage the switch arms from the contacts and restore them to normal depending position.

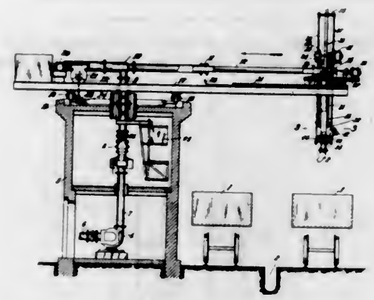
1,507,053. METHOD AND APPARATUS FOR EXTINGUISHING GENERATOR FIRES. CURTIS B. FLORY, Forest Hills, and FRANK A. EPPS, New York, N. Y., assignors to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1921. Serial No. 505,587. 10 Claims. (Cl. 169—14.)

1. The method of extinguishing fires in electric generators of the type in which a draft or current of air is forced through the generator and through the windings thereof in the normal operation of the same which consists in introducing a fire extinguishing foam compound into the generator in time of fire and introducing the



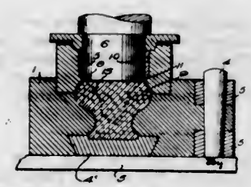
said foam compound into the path of the air current, whereby the foam is carried by the air current through the generator and the windings for extinguishing the fire therein.

1,507,054. HYDRAULIC UNLOADER. KARL FÖLSCHE, Halle-on-the-Saale, Germany. Filed Aug. 15, 1921. Serial No. 492,454. 7 Claims. (Cl. 299—73.)



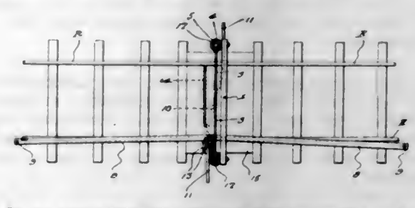
1. In a hydraulic unloading device a nozzle inclined to the horizontal, means to raise and lower the nozzle and means to bodily move said nozzle in a plane without changing its angular relation to the horizontal.

1,507,055. METHODS OF MAKING MOLDED GLASSWARE AND APPARATUS THEREFOR. ALBERT H. FORGER, Los Angeles, Calif. Filed May 11, 1922. Serial No. 560,198. 4 Claims. (Cl. 49—29.)



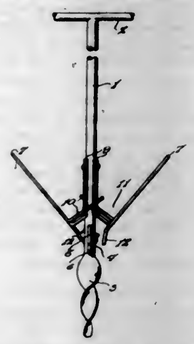
1. The method of molding solid glassware which comprises placing molten glass in a cup arranged above a mold and forcing said glass downwardly into said mold to form an article, the glass remaining in said cup being connected to said article by a thin ring.

1,507,056. AUTOMATIC MINE DOOR. ANTHONY GODLEY, West Frankfort, Ill. Filed June 4, 1924. Serial No. 717,757. 1 Claim. (Cl. 246—304.)



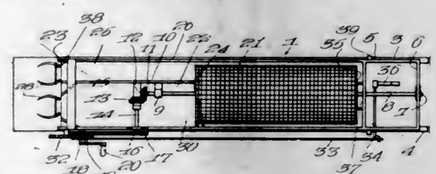
In an automatic mine door, a supporting frame adapted for transverse disposition across a track, doors having posts at their outer ends pivotally mounted from said frame, pinions rigidly fixed to the lower ends of the door posts, a rack bar extending between said posts, the rack teeth meshing with the teeth of the respective pinions, a return spring attached at one end to the rack bar and anchored at its opposite end to a stationary part of the structure, a supplemental car actuated rail adapted for disposition alongside of a main rail of the track, the supplemental rail being pivoted and anchored at its outer end, and a rigid connection between the inner free end of said rail and said rack bar for imparting movement to the latter when the rail is swung upon its pivot by the car.

1,507,057. POSTHOLE DIGGER. GEORGE M. GRANT, Oakland, Calif. Filed June 15, 1922. Serial No. 568,635. 2 Claims. (Cl. 255—70.)



1. A tool for the purposes set forth comprising a stem, a drill carried by the stem, a radially disposed cutter extending from the stem at the upper end of the drill, and reversely arranged inclined wings secured to the opposite sides of the stem above the cutter and each provided with a guard plate adjacent its lower edge and at one side of the stem.

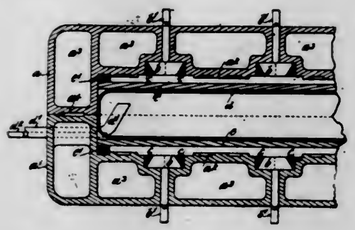
1,507,058. SORTING MACHINE. CARL M. HANNA, Del Norte, Colo. Filed June 2, 1921. Serial No. 474,353. 14 Claims. (Cl. 130—32.)



1. A device of the character described consisting of a trough having an endless conveyor bottom throughout its length, a division wall, a hopper, a shaft parallel

with said conveyor supported by said hopper and division wall forming two passages, a cylindrical screen fixedly mounted upon said shaft to rotate therewith said screen having open ends one of which aligns with said hopper and the other of which aligns with one of said passages.

1,507,059. APPARATUS FOR THE VULCANIZATION OE ARTICLES OF RUBBER, RUBBER SUBSTITUTES, AND THE LIKE. HAROLD HAWTHORN and HARRY AUGUSTUS HUNTLEY, London, England. Filed July 28, 1922. Serial No. 578,224. 1 Claim. (Cl. 18—38.)



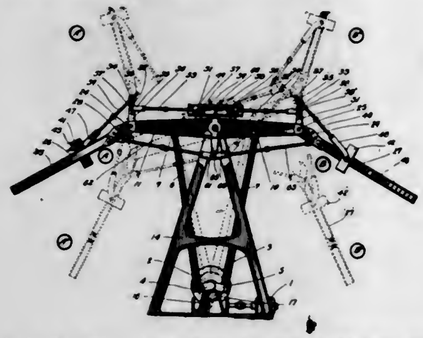
A vulcanizing mould for producing simultaneously two separate sheets or articles of india rubber comprising a two part mould, each part of which is the counterpart of the other, each part is provided with an internal recess, the surface of which has the shape, pattern or configuration of the exterior surface of the finished article and is provided with separate steam jacketing to avoid making a fluid tight joint between the meeting edges, removable supports and core pieces for holding adjuncts within the mould which it is desired to incorporate in the finished article, means for securing the two parts of the mould together, a closed resilient receptacle adapted to be contained within the cavity formed by the internal recesses in the two parts when assembled, distance pieces in the edges of the recesses to govern the thickness of the finished sheet, a pair of loose cover plates engaging said distance pieces and between which is placed the resilient receptacle and means for introducing fluid to distend the said receptacle so as to force the rubber mixture into intimate contact with the interior surfaces of the mould and adjuncts temporarily held therein, as set forth.

1,507,060. APPARATUS FOR GENERATING GAS. SETH HAYES, Cleveland, Ohio. Filed Aug. 21, 1920. Serial No. 404,988. 5 Claims. (Cl. 48—114.)



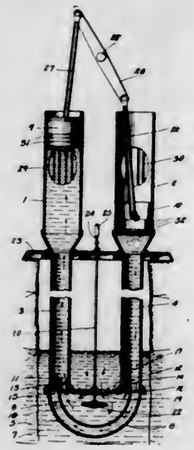
1. In apparatus of the class described, the combination of a liquid holder open at its upper end, a bell telescopically fitting said holder and arranged to collect gas in its upper portion, and a detachable device for closing the lower end of said bell and holding material therein, said device being formed with a groove through which the liquid in the holder may flow to permit reactions in said bell.

1,507,061. POWER TRANSMISSION. FRED D. HOFFMAN, Kansas City, Mo. Filed Oct. 8, 1923. Serial No. 667,262. 17 Claims. (Cl. 74—14.)



1. In a power transmission, a frame, a walking beam on the frame, means for actuating the walking beam, pendulum arms carried by the respective ends of the walking beam, weights on the pendulum arms and means for sliding the weights in alternate directions.

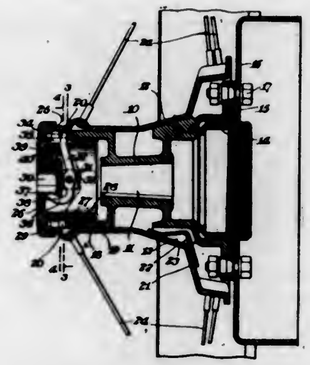
1,507,062. PUMP. FRED D. HOFFMAN, Kansas City, Mo. Filed Oct. 10, 1923. Serial No. 667,646. 12 Claims. (Cl. 103—75.)



1. A pump comprising two cylinders having inlets and outlets, a U-shaped connection between them, the U-shaped connection having inwardly opening valves in the walls thereof, pistons in the cylinders and means for simultaneously operating said pistons in opposite directions.

1,507,063. LOCKING DEVICE FOR THE HUB CAPS OF DEMOUNTABLE WHEELS. EMIL IBACH, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1920. Serial No. 367,463. 8 Claims. (Cl. 301—9.)

1. A device of the class described comprising the combination with an inner hub and an outer hub removably and non-rotatably mounted thereon, of a hub cap screwed on said inner hub having a socket of non-circular cross section in its face, and a latch pivoted to the base of said socket centrally of the hub cap and lying within the same, said latch having a locking arm extending



to one side of said pivot through the side wall of said hub cap, and an actuating arm extending on the other side of said pivot and curved so that the free end thereof projects through the side wall of said socket.

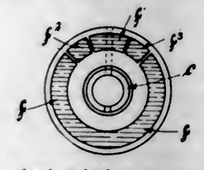
1,507,064. HOIST. JAMES E. JONES and WILHELM OTTO GRUENEWALD, Chicago, Ill.; said Gruenewald assignor of fifty-one per cent to said Jones. Filed May 20, 1922. Serial No. 562,336. 5 Claims. (Cl. 214—130.)



1. In a hoist, the combination with a frame of a pair of hoisting arms pivotally mounted thereon, each of the arms being extended from its pivotal connection first upwardly and rearwardly and then downwardly and rearwardly, whereby a bend is formed intermediate of its ends, means on the free ends of the arms for carrying a load, a connection between the arms in the region of the bend in each, piston mechanism mounted on the frame and adapted to exert an upward and forward force against the connection between the arms, means for admitting fluid pressure to and exhausting the same from the piston mechanism, controlling means therefor, including an inlet valve and an outlet valve, and means for imparting movements to the two valves, having connections, one adapted to be engaged by the load when received on the hoisting arms, whereby the inlet valve is opened to cause said arms to rise, and the other adapted to be engaged by the arms when the same have risen to a desired point whereby the exhaust valve is opened to permit a return movement of the arms, substantially as described.

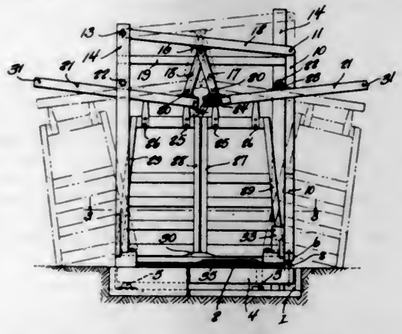
1,507,065. COMMUTATOR OR ROTARY IGNITION CURRENT DISTRIBUTOR FOR INTERNAL-COMBUSTION ENGINES. JOHN JUDGE, Manchester, England. Filed Aug. 22, 1922. Serial No. 583,583. 2 Claims. (Cl. 200—28.)

1. Commutators or rotary ignition current distributors comprising an outer casing formed of insulating material recessed to receive a rotary distributor disc, a series of brushes slidably mounted in said recess, a rotary distributor disc, a metal ring formed in segments secured to said disc and with one segment electrically connected



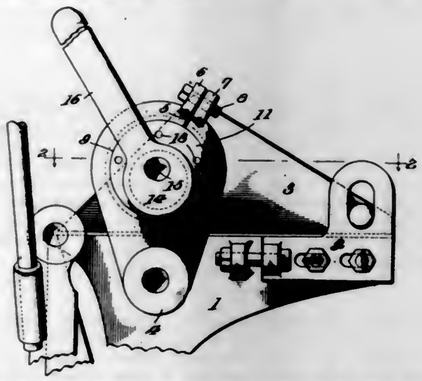
to the source of electrical current, said ring constituting a continuous metal track for the brushes on the casing, substantially as described.

1,507,066. FARM GATE. JOSEPH KAHLE, Tomahawk, Wis. Filed Jan. 27, 1923. Serial No. 615,239. 3 Claims. (Cl. 39—18.)



3. An automatic gate comprising a pivotally mounted platform with the pivot points thereof located adjacent a lateral side of such platform, the other side of said platform being adapted to be depressed, a track pivotally mounted above and transversely of said platform, link mechanism connecting said track to said platform, means adapted to travel upon said track, and a gate suspended from said means.

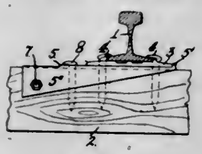
1,507,067. CORNICE BRAKE. JOHN F. KIDDER, Burlington, Vt. Filed Apr. 19, 1921. Serial No. 462,691. 1 Claim. (Cl. 153—16.)



A cornice brake having a bed forming a fixed jaw, an adjustable support carried by said jaw, a movable jaw mounted in said support, said movable jaw being provided with a laterally extending stud pin at one end, a link pivotally connected to the fixed jaw below

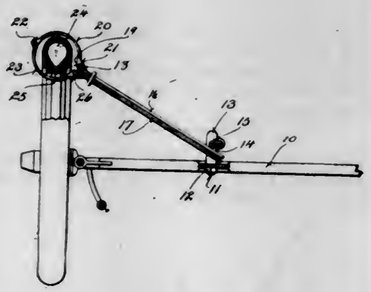
said movable jaw and extending upwardly opposite said movable jaw, said link having an opening provided with a concave wall forming an annular groove and provided with a split portion provided with laterally extending ears, a bolt connecting said ears together, an adjustable eccentric arranged within the opening of said link having a peripheral wall corresponding in shape to the wall of said opening, said eccentric having an opening to receive a second eccentric, the last mentioned eccentric being provided with an opening to receive said stud pin and a handle carried by the last mentioned eccentric for operating said movable jaw.

1,507,068. CURVE RAIL PLATE. WALTER H. KIRKBRIDE, Palo Alto, Calif. Filed May 7, 1924. Serial No. 711,623. 6 Claims. (Cl. 238—299.)



1. In a railway-rail fastening, in combination with a rail, a tie, a tie-plate underlying the rail, and spikes engaging the rail and passing through the tie-plate into the tie, a supplementary plate underlying the tie-plate and resting on the tie, the rail engaging spikes passing through said supplementary plate; and means for securing said supplementary plate to the tie independently of the rail-engaging spikes.

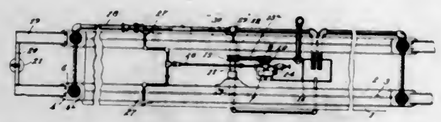
1,507,069. VEHICLE LOCK. JAMES KLAILA, Rio, Wis. Filed May 7, 1923. Serial No. 637,154. 2 Claims. (Cl. 188—31.)



1. The combination of a pin secured to the front axle of an automobile, a link having an opening therein adjacent an end thereof, a second link having an opening therein adjacent the end thereof, said openings being adjacent each other, said pin extending through said opening, means securing the other ends of said links to the wheel and a padlock having the shackle thereof directed through an opening in said pin preventing removal of said links.

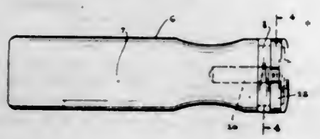
1,507,070. PLANER LUBRICATING DEVICE. GEORGE H. LANGEN and CARL E. LINDEN, Cincinnati, Ohio, assignors to The Cincinnati Planer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 9, 1920. Serial No. 429,333. 9 Claims. (Cl. 184—5.)

1. The combination with a planer bed, having interspaced table carrying rails, and a table driving mechanism, of an oil pump mounted on the bed intermediate the rails, connections from the pump to the carrying rails and to an oil supply return oil connections from the carrying rails, said pump and connections being secured to the planer bed and the connections terminating in a series of pipes, located within a defined space, said



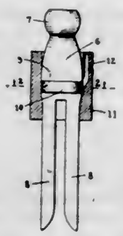
table, pump mechanism and driving mechanism being so arranged that a tank can be inserted between the rails into operative relation with said connections, without dismounting any substantial parts, and a tank adapted to be so set.

1,507,071. TOOL-HANDLE FERRULE. WILLIAM LAUBER, Milwaukee, Wis. Filed Aug. 28, 1922. Serial No. 584,802. 2 Claims. (Cl. 145—61.)



1. A tool handle, comprising a handle member having an annular groove spaced from one end of the handle and longitudinal grooves communicating therewith, and a metallic ferrule member secured on said handle member and entering said grooves and covering one end of said handle member, said ferrule member having an annular band portion filling said annular groove at a distance from the end of the handle to protect the handle against splitting.

1,507,072. CLOTHESPIN AND METHOD OF MAKING THE SAME. WILLIAM LAUBER, Milwaukee, Wis. Filed Dec. 26, 1922. Serial No. 609,013. 2 Claims. (Cl. 24—138.)

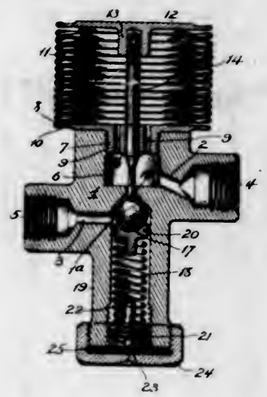


1. A clothes pin provided with a shank portion and a bifurcated portion and having a recess extending around the shank portion adjacent the bifurcated portion, and a reinforcing metal band mounted in the annular recess and in a condition of having been poured into the recess around the pin while in a molten state, the outer surface of said band at both outer edges being flush with the outer surface of the shank portion.

1,507,073. PRESSURE-REDUCING VALVE. ALFRED S. LEWIS, West Chester, Pa. Filed Nov. 30, 1921. Serial No. 518,840. 4 Claims. (Cl. 50—23.)

1. In a valve of the character specified, the combination of a casing having a valve seat therein and provided with ducts above and below said valve seat, said casing having a chamber above the valve seat and in

constant free communication with one of said ducts, said latter duct and chamber being of different capacities, a collapsible chamber communicating with the chamber in the casing above the valve seat, a valve, a spring



operable to press said valve against its seat, and a stem or plunger secured to a movable member of the enclosure of said collapsible chamber and operable to move said valve from its seat against the resistance of said spring.

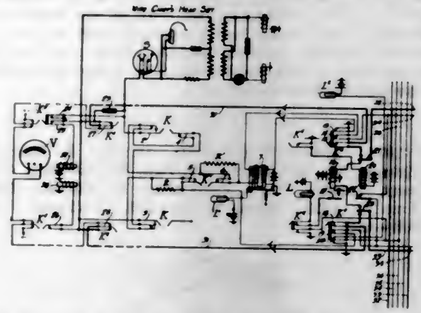
1,507,074. DEMOUNTABLE RIM. LLOYD LEWIS, Muskegon, Mich. Filed June 25, 1923. Serial No. 647,540. 3 Claims. (Cl. 301—35.)



1. A demountable rim comprising a pair of sections each provided with a flange, cross plates adapted to engage each section for holding the same together, and a series of spring clips each adapted to engage a cross plate for holding the same in position.

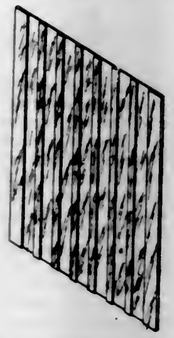
1,507,075. WIRE CHIEF'S TEST CIRCUIT FOR TELEPHONE SYSTEMS. CLARENCE E. LOMAX, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1921. Serial No. 470,537. 10 Claims. (Cl. 179—27.)

1. In a wire chief's testing system, a testing circuit comprising apparatus for testing subscribers' lines, a series of automatic switches controlled from said test circuit to connect the same with a subscriber's line, a marginal relay for controlling the release of one of



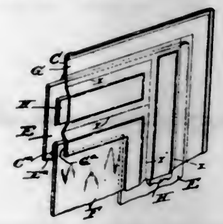
said switches, a control circuit including said relay controlled by the wire chief, and means in said control circuit for preventing the release of another of said switches.

1,507,076. PROCESS FOR PREPARING WOODEN STORAGE-BATTERY SEPARATORS. ALBERT H. LUHRMAN, Cincinnati, Ohio. Filed Nov. 16, 1921. Serial No. 515,666. 5 Claims. (Cl. 204—38.)



1. The process of boiling wood in a solution adapted to remove resins, etc., from the cells of the wood, washing the wood after such boiling, and then boiling the wood in a solution containing a neutral soluble crystalline material adapted to enter the cells of the wood, and to crystallize in the cells as the wood is dried.

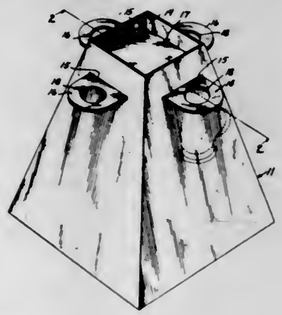
1,507,077. WINDOW FOR MOTOR-DRIVEN VEHICLES. ARTHUR MAAKE, Detroit, Mich. Filed June 29, 1922. Serial No. 571,732. 2 Claims. (Cl. 296—145.)



1. In a device of the character described, the combination of a curtain provided with a window opening, a lining for the curtain, a frame constructed of paste board or the like fitted between the curtain and lining with the marginal edge of the curtain overlapping the inner

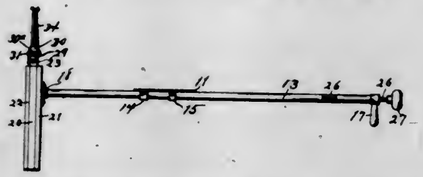
marginal edge of said frame, a sheet of glass fitted to the frame and cemented between the marginal edges of the curtain and lining, a plurality of wooden strips adjacent to and overlapping the body of the frame and covered by said lining, and a plural number of lines of stitches extending through the lining, frame, and curtain on each side of said wooden strips to secure the wooden strips against displacement.

1,507,078. DISPLAY HOLDER. DUNCAN B. MACKIE, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed June 11, 1923. Serial No. 644,533. 7 Claims. (Cl. 206—44.)



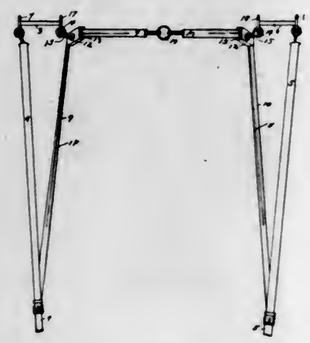
7. A combined shipping container and display holder comprising a hollow upright tapering base of sheet material, and having means for supporting devices to be shipped and displayed around the outside of the upper smaller end of the base and having means for supporting the devices to be shipped and stored around the inside of the lower larger end of the base, said means for supporting devices to be shipped and displayed around the outside of the base comprising a member of sheet material having a body portion lying inside said base adjacent the smaller end thereof and having ear portions extending through the walls of said base, said ear portions having openings therein to receive the devices, and said means for supporting the devices to be shipped and stored around the inside of the base comprising a member of sheet material having a body portion lying in a plane transverse to the axis of the base and extending to the inner side of the base, and having flap portions engaging the inner side of the base and secured thereto, said body portion having openings therein to receive the devices to be shipped and stored.

1,507,079. VIGNETTING ATTACHMENT FOR CAMERAS. LEWIS W. MARBLE, Marengo, Iowa; Hattie E. Marble administratrix of said Lewis W. Marble, deceased. Filed Mar. 9, 1921, Serial No. 451,061. Renewed Feb. 1, 1924. 3 Claims. (Cl. 95—65.)



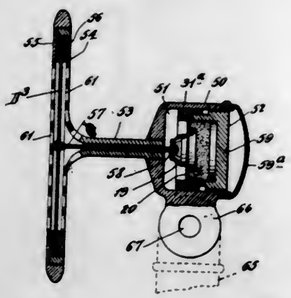
1. A vignetting attachment for cameras, comprising a suitable support, a tube mounted for oscillation on an axis perpendicular to said support and also for oscillation and rectilinear reciprocation on an axis parallel with and longitudinally of said support, a guide carried by said tube, a stem mounted for vertical reciprocation in said guide, a rod in said tube adapted for manual oscillation relative thereto, a rack and gear connection between said stem and rod, a holder on said stem, and adjusting means between said holder and stem.

1,507,080. DRIVING REIN. MOOSH MEGRDCHIAN, Fresno, Calif. Filed Dec. 12, 1923. Serial No. 680,108. 3 Claims. (Cl. 54—36.)



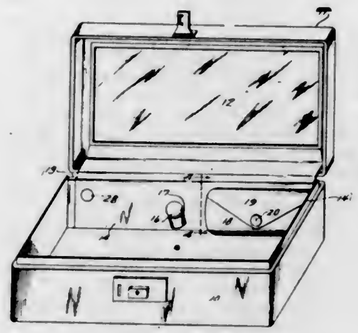
3. In combination with a set of harness for two horses including a bit for each horse, a main line for each horse, the right line being attached at one end to the outside of the bit on the right side, and the left main line being attached to the outside of the bit on the left side, a branch line attached to the right line between the ends thereof having a sliding snap hook thereon adapted to be attached to the inside of the bit on the right hand side, a branch line attached to the left line between the ends thereof having a sliding snap hook thereon adapted to be attached to the inside portion of the left bit, and means at the ends of said branch lines adapted to attach said ends together.

1,507,081. TELEPHONE TRANSMITTER. BENJAMIN F. MIESSNER, New York, N. Y., assignor, by mesne assignments, to The Magnavox Company, San Francisco, Calif., a Corporation of Arizona. Filed Mar. 12, 1919. Serial No. 282,155. 2 Claims. (Cl. 179—126.)



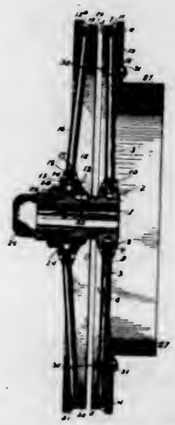
1. In a telephone transmitter, the combination of a casing having a tubular extension of small diameter, a diaphragm housing at the end of said extension, a diaphragm therein, a variable-resistance device in said casing, and a stem located movably and fitting closely in the bore of said extension and connecting said diaphragm with said resistance device, said diaphragm housing having apertures affording free and substantially equal access of air-pressure variations to both sides of the diaphragm.

1,507,082. VANITY CASE. SOMMERFIELD E. MILLER, Chicago, Ill. Filed Feb. 21, 1922. Serial No. 538,229. 1 Claim. (Cl. 240—8.4.)



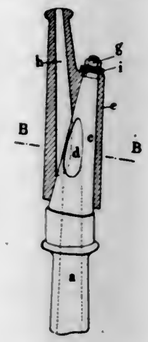
The combination with a case having a lining on the interior walls thereof, of an insulating plate intermediate one of the walls and the lining, a lamp, circuit wires and a concealed switch supported by the plate, a battery within the case, contacts between the battery and the circuit wires, a cover hingedly related to the case, and a mirror supported by the cover.

1,507,083. METAL WHEEL. WILLIAM HENRY MORGAN, Alliance, Ohio. Filed May 5, 1922. Serial No. 558,563. 6 Claims. (Cl. 301—67.)



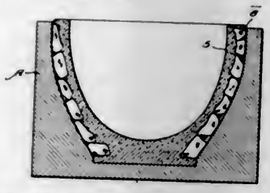
3. A metal wheel comprising a hub provided with an annular series of socketed bosses, an adjustable member on said hub and provided with an annular series of socketed bosses, two separate felly members, each having interiorly threaded bosses, spokes insertable through the bosses on one felly member and having threaded heads to screw into said last-mentioned bosses and adapted to enter the socketed hub bosses, spokes insertable through the bosses of the other felly member and having threaded heads to screw into said bosses, said last-mentioned spokes adapted to enter the bosses on the member which is adjustable on the hub, and jam nuts on all of said spokes adjacent to the socketed bosses.

1,507,084. NOZZLE FOR SPRAYING LIQUIDS WITH ADJUSTABLE SCATTERING EFFECT. JACQUES HENRI MORISSEAU, Paris, France. Filed Nov. 27, 1922. Serial No. 603,685. 3 Claims. (Cl. 299—117.)



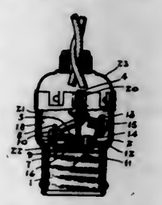
1. In a nozzle, a member having a tapering bore, a valve mounted in said member and rotatable about an axis, disposed obliquely to said bore and having an opening therein adapted to register with and correspondingly tapered to said bore.

1,507,085. PROCESS OF MAKING ORNAMENTAL MASONRY ARTICLES. JOHN W. NEWMAN, Hendersonville, N. C. Filed Oct. 17, 1923. Serial No. 669,087. 2 Claims. (Cl. 18—61.)



1. The method of making ornamental masonry articles which comprises laying progressively a plurality of tiers of face stones against a mold face substantially removed from the horizontal; applying to the faces of the stones of each tier as formed a plastic backing of low fluidity; pressing such backing material between said stones to anchor the latter but not sufficiently to fill the interstices therebetween; finishing the interior surface of said backing material; permitting it to set and removing the finished article from the mold.

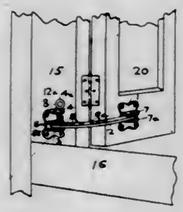
1,507,086. ELECTRIC-LAMP SOCKET. FREDERICK ORPEN, Toronto, Ontario, Canada. Filed Apr. 2, 1921. Serial No. 457,979. 2 Claims. (Cl. 173—358.)



1. In a lamp socket, the combination with the threaded metal shell, of a fibre disc secured to the outer side of the base of said shell, a fibre sheet bent in right angular form having one portion thereof secured to said disc and the other portion extending transversely

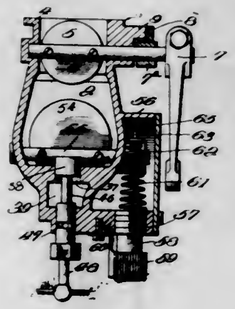
outward forming an insulating partition, a central electrical contact extending through and secured to said disc at one side of said partition, and an electrical contact connected with the threaded shell extending through said disc on the other side of said partition.

1,507,087. FASTENER FOR CASEMENT WINDOWS AND SUCH LIKE. WILLIAM CHARLES RANKIN, Hamilton, New Zealand, assignor of one-half to Joseph Bird, Hamilton, New Zealand. Filed Oct. 11, 1922. Serial No. 593,935. 1 Claim. (Cl. 292—266.)



A fastener for casement windows and the like comprising in combination a window frame, a horizontal swinging sash mounted on the frame, a bracket secured to the sash, a curved arm having one end pivoted to the bracket and provided with a series of openings, one side of the sash being provided with a slot for accommodating the inner portion of the arm when the sash is in a closed position, another bracket provided with a slot and secured to the frame in alignment with the slot therein so that the arm may slide therethrough, a plurality of suitably spaced lugs extending from the last mentioned bracket and provided with pairs of aligning openings and a spring controlled finger operated pin for engagement with either set of aligning apertures in the lugs of the second mentioned bracket and adapted for engagement with the openings in the arm and the openings in the arm being arranged out of parallelism with the sides thereof.

1,507,088. VALVE CONTROL FOR CARBURETORS. ALBERT G. REDMOND, Indianapolis, Ind., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Indiana. Original application filed Mar. 6, 1917, Serial No. 152,707. Divided and this application filed Oct. 23, 1917. Serial No. 198,046. 2 Claims. (Cl. 251—125.)



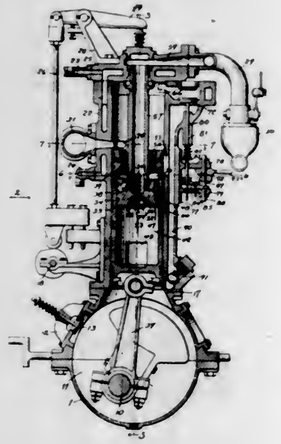
1. A carburetor comprising a casing having a suction controlled valve mounted therein, a pivoted valve stem upon which said valve is mounted, extending through the walls of said casing, an integral housing formed on said casing into which one end of said valve extends an arm mounted on said stem within said housing, an adjustable support arranged within said housing and a coiled spring carried by said adjustable support engaging said arm.

2. A carburetor comprising a casing having an integral housing, a valve stem extending through the walls of said casing having one end arranged within said housing, a suction controlled valve carried by said valve stem, an arm fixed on said stem within said housing having a pin at its free end, said housing being provided with a threaded opening, a hollow plug working in said threaded opening, said plug having a milled head and a spring arranged within said hollow plug having its free end arranged over the pin of said arm for retarding the movement thereof.

1,507,089. METHOD OF PRODUCING ALKALI-METAL XANTHATES. LUDWIG ROSENSTEIN, San Francisco, Calif. Filed Dec. 3, 1923. Serial No. 678,365. 9 Claims. (Cl. 260—98.)

3. A method of producing alkali metal xanthates which consists in bringing together an alkali metal hydroxide, water, alcohol and carbon bisulphide.

1,507,090. HIGH-COMPRESSION TWO-CYCLE ENGINE. HENRY RUEHMAN, Los Angeles, Calif. Filed May 14, 1923. Serial No. 638,867. 7 Claims. (Cl. 123—50.)



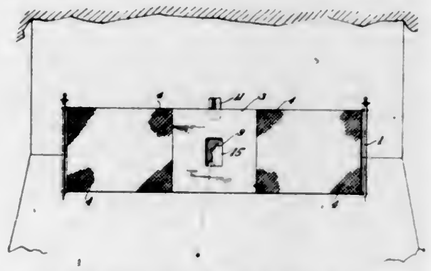
5. An engine having a crank case, an explosion chamber, a primary piston in the explosion chamber, a double-acting secondary piston in the primary piston, a tubular stem holding the secondary piston stationary, a carburetor in communication with the tubular stem, means whereby an intake of fuel is sucked through the tubular stem into the primary piston below the secondary piston during the explosion cycle and forced into the explosion chamber during the compression cycle, means whereby air is sucked into the crank case and into the primary piston above the secondary piston during the compression cycle and forced from the crank case and from the primary piston into the explosion chamber at the end of the explosion cycle, check valves for holding the sucked-in air, a check valve for admitting the compressed air to the explosion chamber and holding the explosion, and means for resisting the action of the latter check valve so as to limit the flow of air to the explosion chamber and make an air resistance to the explosion stroke.

1,507,091. PLUG. FREDRICK J. RUNSER, Cleveland, Ohio, assignor to The Byrne Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed July 29, 1922, Serial No. 578,394. Divided and this application filed May 9, 1923. Serial No. 637,624. 2 Claims. (Cl. 220—39.)



1. A plug for an opening in a container comprising a screw-threaded shank and an integral polygonal head having a gasket seat around said shank, the face of said seat being spaced from the under face of said head and the side faces of said head being substantially tangential to the circumference of said seat.

1,507,092. GOLF-PRACTICE APPARATUS. JOSEPH A. RYCHARDS, New York, N. Y. Filed May 14, 1923. Serial No. 638,785. 3 Claims. (Cl. 265—20.)



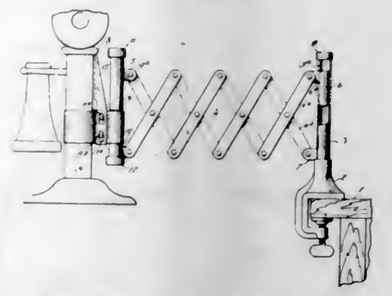
1. In a golf practice apparatus a stop sheet comprising three joined sections forming end sections and a central section, the central section corresponding to the "fairway" and being of form or appearance distinct from the end sections which correspond to the "rough," said stop sheet being mounted in forwardly inclined position relatively to the player and the central section being formed with an aperture, a swinging stop member disposed rearwardly of said aperture and also forwardly inclined, as and for the purpose set forth.

1,507,093. FOLDING CAN OPENER. KNUD FREDERIK SCHIONNING, Chicago, Ill. Filed Aug. 31, 1923. Serial No. 660,419. 1 Claim. (Cl. 30—3.)



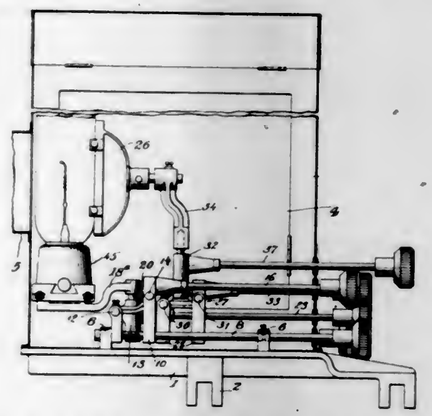
A can opener comprising a flat body portion, a blade hinged at one edge of said body portion and arranged to swing at right angles thereto, a portion of said blade being arranged to engage the edge of the body portion so as to limit its movement, said blade having a cutting edge terminating in a sharp point, said body portion having a recess to permit the entrance of a portion of the can, and being provided with a fulcrum point on the edge to which the blade is hinged, and a guard hinged to said body portion and having a part bent back upon itself, said bent back portion being arranged to envelop a portion of the body and the pointed edge of the blade adjacent thereto, thereby holding the blade in its folded position.

1,507,094. EXTENSION BRACKET. JOHN SCHOENBORN, Chicago, Ill. Filed Apr. 12, 1922. Serial No. 551,978. 5 Claims. (Cl. 248—1.)



1. In a telescoping extension bracket, a pair of posts, a lazy tongs bracket operatively combining said posts, a work supporting clamp attachable to one of said posts and to the work to be supported, said clamp made in two separable parts, and a detachable key combining said two parts, said key held in position by the weight of the work supported.

1,507,095. LAMP FOR PROJECTING APPARATUS. THEODORE F. UHLEMANN, Glen Morris, N. Y., assignor to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,602. Renewed Jan. 19, 1924. 6 Claims. (Cl. 88—24.)

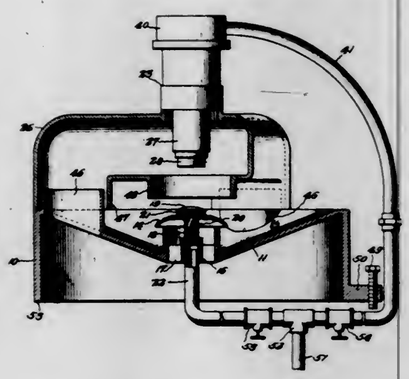


1. In a lighting equipment for projection apparatus, the combination of a light support, a reflector support and means for independently adjusting said supports in the same plane comprising a pair of guide rods upon which both said supports are mounted, power-transmitting connections between one of said rods and one of said supports, and power-transmitting connections between the other rod and the other support whereby the adjustment of each rod will effect the adjustment of one of said supports without adjusting the other.

1,507,096. LIQUID-FUEL BURNER. GEORGE VAN BALLEGOOIJEN, Zion, Ill. Filed Nov. 13, 1923. Serial No. 674,498. 3 Claims. (Cl. 158—64.)

2. A liquid fuel burner comprising in combination, a base having a central depression and an opening centrally placed therein, an upstanding collar surrounding said opening, a spider centrally supported in said collar and having a screw threaded opening in its hub, a liquid fuel

conduit engaged with the screw threaded opening at its lower side, a hollow stem having screw threaded engagement with the upper portion of the opening of said hub, a flame spreader carried by said stem having a convex upper surface overlapping and spaced from the edge of said collar, a button provided with a stem having longi-



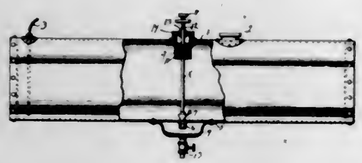
tudinal channels in its surface, said stem seated in said flame spreader stem, means to space said button above the upper surface of said flame spreader whereby fuel may flow through said hollow stem and gain access to the convex surface of said flame spreader, a flame jet supported above said button and adapted to project flame thereagainst, and means to admit fuel to said flame jet.

1,507,097. FIGURE TOY. FRANK VOREL, Hanover, Mont. Filed Oct. 5, 1922. Serial No. 592,610. 1 Claim. (Cl. 46—40.)



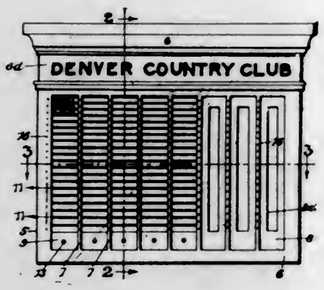
In a figure toy, a handle rod, a block slidably mounted thereon, a toy figure associated with the handle rod and block and embodying link connections between the body portion of the toy figure and the outer end of the handle rod, arms rigidly connected to said block and pivotally connected at their outer ends to the tail portion of said toy figure, the under side of the toy figure having a cutaway portion adjacent the head and throat of the same, an overbalanced lever within the cutaway portion rearwardly of the head, said lever being of curved formation with one end terminating at the head of the toy figure and a chin member for the head carried by the adjacent end of the lever with the chin member spaced from the head when the toy figure is horizontally positioned and with the exposed portion of the lever simulating the tongue of the toy figure.

1,507,098. GASOLINE TANK FOR MOTOR VEHICLES. DAVID D. WALKER, Mayfield, Idaho. Filed July 5, 1921. Serial No. 482,357. 1 Claim. (Cl. 210—57.)



In combination, a vessel, a cup shaped collector attached to the bottom of the vessel and communicating therewith, a valve seat in the bottom of the vessel communicating with the collector, a valve in the vessel for cooperation with the valve seat, a valve stem associated with the valve, a compartment depending from the top of the vessel having its upper end open and its lower end provided with an apertured closure through which the valve stem projects, a spring on the valve stem within the compartment for normally holding the valve open, a cap on the open end of the compartment and provided with a threaded opening through which the valve stem extends, said valve stem being provided with threads adapted to engage the threaded opening of the cap whereby the valve may be moved to a closed position when desired.

1,507,099. WALL DIRECTORY. FREDERICK LIONEL WOOD, Denver, Colo. Filed June 25, 1923. Serial No. 647,643. 3 Claims. (Cl. 40—64.)

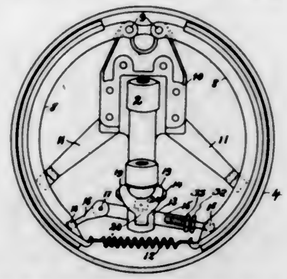


3. A wall directory comprising in combination, a frame knuckle mounted on an inclined pivot pin, the drum having a recess, a panel in said recess having upon its face, a plurality of transverse partitions which are grooved to provide open-ended slideways, and name plates movable in said slideways, the panel fitting between the sides of the recess to close the ends of the slideways when in place therein.

1,507,100. STEERING-WHEEL BRAKE. ALVIN M. YOCOM, Pottstown, Pa., assignor to The U. S. Axle Company, Pottstown, Pa., a Corporation of Delaware. Filed Dec. 23, 1922. Serial No. 608,668. 16 Claims. (Cl. 188—194.)

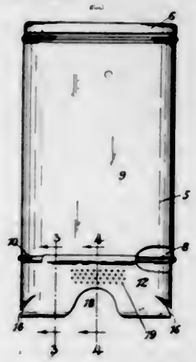
6. A brake for a steering wheel which is pivoted on an inclined axis, comprising the combination with the

carried by the wheel, and the brake shoes pivoted on said knuckle within said drum; of a toggle between the free ends of said shoes, a yoke member engaging but un-



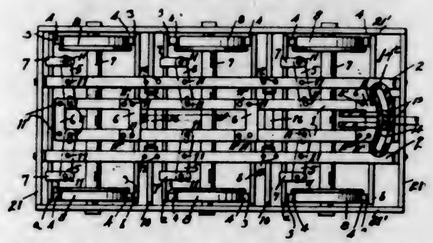
attached to said toggle, said member being slidable in the direction of the axis of said pivot pin, and means to slide said member to actuate said toggle.

1,507,101. MATCH BOX. JESSE F. YOUNG, Northport, Nebr. Filed Dec. 26, 1922. Serial No. 609,080. 1 Claim. (Cl. 206—38.)



An attachment for tobacco boxes comprising a one piece receptacle open at its top for its connection with the box and having end members and side-members formed integrally of one piece of metal, the side-members curving inwardly at the bottom of the receptacle to form a slot for the withdrawal of matches from the receptacle and the end-members of the sides being slit to permit of their moving apart for the passage of a match between them.

1,507,102. RAILWAY BRAKE. BARTOLOMEO AMENDOLA, San Francisco, Calif. Filed Oct. 25, 1922. Serial No. 596,770. 6 Claims. (Cl. 111—47.)



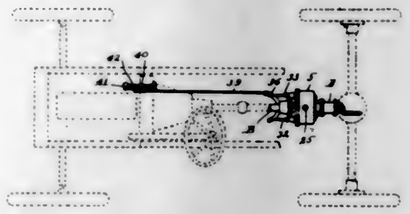
1. In a railroad car brake the combination with a car truck and its wheels of a pair of brake beams on opposite sides of each set of wheels, a slidable frame connected to the brake beams on one side of the wheels, and levers connecting the brake beams on the other side of the wheels to said frame, whereby movement in one direction causes the brake beams on both sides of the wheels to bear thereon.

1,507,103. POLE PROTECTOR. JOHN M. BAGWELL, Chico, Calif. Filed Aug. 5, 1922. Serial No. 579,839. 3 Claims. (Cl. 99—12.)



3. A device for impregnating a standing pole with a liquid preservative, comprising a casing having its inner face of a contour corresponding to that of a pole to which it is to be attached, and having its inner and upper edges flanged for the reception of elements which secure the casing on the pole, said casing having its top arranged at a downward inclination and provided with a normally closed inlet opening for a liquid preservative, the inner face of the casing, below the top thereof having a transverse opening through which is passed a centrally folded wick, the inner fold of which being immersed in the preservative, and the outer fold being forced by the casing into contacting engagement with the pole.

1,507,104. FLUID BRAKE. CURTIS E. BRADBURN and AUGUST FINKE, Garden City, Kans. Filed Apr. 2, 1923. Serial No. 629,346. 6 Claims. (Cl. 188—92.)

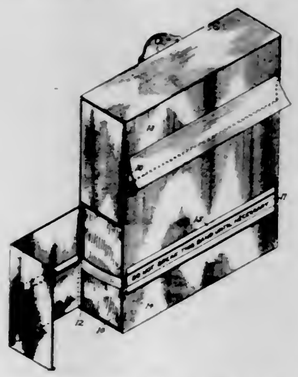


1. In a fluid brake the combination with a housing and a drive shaft therein, of a brake case supported by said housing and embodying a gear chamber and a fluid reservoir surrounding said gear chamber and separated therefrom by a partition, gears within the gear chamber, one of said gears being connected to and revolvable with the drive shaft and intermeshing with the companion gear to rotate the same and circulate the fluid through the gear case and the reservoir, valve chambers communicating with opposite sides of the gear chamber and the reservoir through ports in the partition, and valves operably mounted within said valve chambers to control the circulation of the fluid.

1,507,105. PROCESS OF OXIDIZING HYDROGEN SULPHIDE. HANNS CARSTENS, Leverkusen, near Cologne, ALFRED ENGELHARDT, Wiesdorf, near Cologne, and WOLF JOHANNES MÜLLER, Leverkusen, near Cologne, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Oct. 20, 1923. Serial No. 669,806. 18 Claims. (Cl. 23—10.)

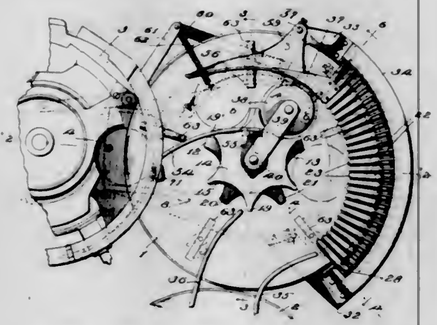
1. Process of oxidizing hydrogen sulphide which comprises contacting gas containing hydrogen sulphide and oxygen with porous silicic acid.

1,507,106. TOILET-PAPER PACKAGE. MAX M. COHN, San Francisco, Calif. Filed Sept. 18, 1923. Serial No. 663,383. 2 Claims. (Cl. 206—57.)



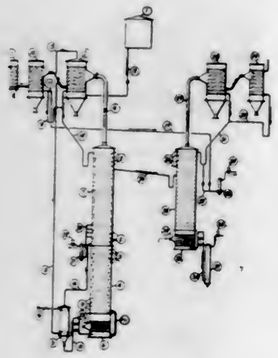
1. A toilet paper package for use in a duplex dispensing cabinet of a type having narrow slots in its front wall, through which the sheets are withdrawn, said package comprising a series of folded and interleaved sheets and a band surrounding the package and extending parallel to the line of fold of the sheets, said band being so disposed on the package as to register with the slot in the dispensing cabinet, and being of a size and character to permit of its being broken and removed through the said slot.

1,507,107. TIMING DEVICE FOR CAN MACHINES. JOHN COYLE, Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Jan. 14, 1921. Serial No. 437,214. 15 Claims. (Cl. 226—22.)



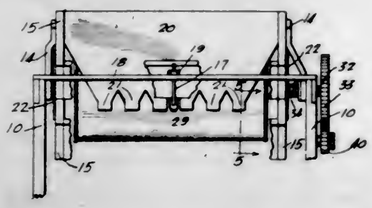
1. A timing device for filled cans including in combination, a continuously moving timing element having spaced arms forming pockets therebetween, stationary yielding means for forcing the cans laterally in succession into said pockets, and movable means associated with the timing element for engaging the cans and gradually restraining the entrance of the cans into said pockets.

1,507,108. PROCESS AND APPARATUS FOR THE CONTINUOUS DISTILLATION OF ALCOHOL. JAMES F. CYPHERS, Baltimore, Md. Filed Sept. 21, 1923. Serial No. 664,113. 20 Claims. (Cl. 195—15.)



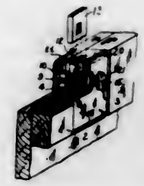
1. A process of purifying alcohol which consists in passing alcoholic vapors against a descending alcoholic stream rich in high boiling impurities, passing the residual unvaporized impurities against a current of ascending impure alcoholic vapors, removing the high boiling impurities at the zone of their greatest concentration and removing the residual impurities below said zone, withdrawing alcohol liquid freed from high boiling impurities and passing the same against a current of ascending alcoholic vapors rich in low boiling impurities and removing the alcohol at the point of its greatest purity and passing the vapors containing the low boiling impurities against a descending stream of impure alcoholic liquid, and removing said low boiling impurities at the point of their greatest concentration, substantially as set forth.

1,507,109. GRAIN SEPARATOR. WILLIAM B. DOYLE, Arago, Oreg. Filed June 27, 1921. Serial No. 480,591. 2 Claims. (Cl. 130—18.)



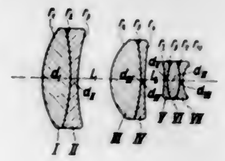
1. In a grain separator, an endless belt arranged for operation in an inclined plane, means for operating said belt including a shaft, and means for imparting lateral vibratory movement to said belt comprising fingers rigidly sustained on said shaft, a stub shaft, a cross arm secured to the stub shaft and engaging said fingers, a fixed cam engaging said fingers, and means for rotating said stub shaft whereby said fingers and cross arm cooperate to effect the driving of the first shaft, and said fingers and cam cooperate to effect a reciprocating movement of said shaft.

1,507,110. SECURITY BOX OR CASE. ROBERT HENDERSON DUNCAN, Epping, New South Wales, Australia. Filed Aug. 10, 1922. Serial No. 580,963. 6 Claims. (Cl. 292—148.)



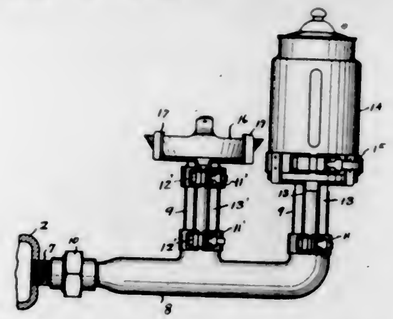
4. A metal sealing plate for the outer end of a spring pressed bolt carried in the end of a security box, said plate being provided with a portion adapted to be closed over said end of said bolt and a tongue integral with said portion adapted to seat against an abutment on said box.

1,507,111. LENS SYSTEM FOR GALILEAN TELESCOPES. HEINRICH ERFLE, deceased, late of Jena, Germany, by Isle Erfle, Jena, Germany, administratrix, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Dec. 6, 1923. Serial No. 678,985. 1 Claim. (Cl. 88—57.)



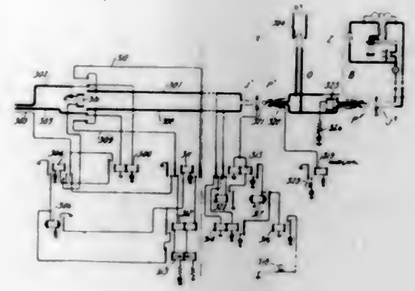
In a lens system for Galilean telescopes an objective consisting of two collective members each cemented in two parts, in each of which members the lens having the lower refractive index is facing the incident light, and a dispersive ocular cemented in three parts, the inner lens of this ocular being a flint lens.

1,507,112. COOKING ATTACHMENT FOR INTERNAL-COMBUSTION MOTORS. HENRY FREUND, Houston, Tex. Filed Feb. 25, 1924. Serial No. 695,934. 4 Claims. (Cl. 126—29.)



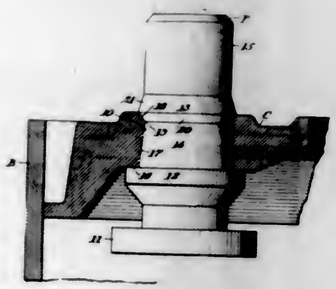
1. The combination with an internal combustion motor, of a tubular member connected into the exhaust manifold thereof, and formed with an upturned tubular neck, means for securing a utensil to be heated above the discharge end of said neck, said means including a releasable clamp adapted to be secured around said neck and clamp members attached to said clamp and formed to releasably engage with said utensil.

1,507,113. TELEPHONE-EXCHANGE SYSTEM. JOHN W. GOODERHAM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,421. 13 Claims. (Cl. 179—27.)



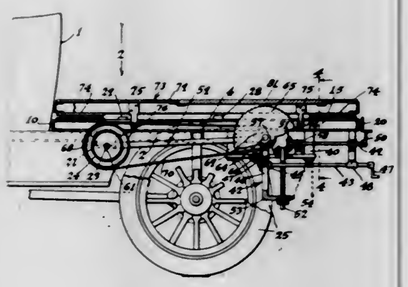
1. In a telephone exchange system, an originating office, a distant office, a trunk line extending between said offices, means at said first office for seizing said trunk line, means at said second office for extending a connection from said trunk line, a relay at the outgoing end of said trunk line responsive to the seizure thereof, means controlled by said relay and effective upon the release of said trunk line at its outgoing end, for rendering said trunk line busy at its outgoing end, and means controlled over said trunk line and effective upon the seizure of said trunk line and the subsequent release thereof, for maintaining said relay energized until connection with said trunk line has been disestablished at said distant office.

1,507,114. POST AND COVER SEALING MEANS. WALTER E. GOSSLING, New York, N. Y., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed July 30, 1920. Serial No. 400,013. 19 Claims. (Cl. 204—29.)



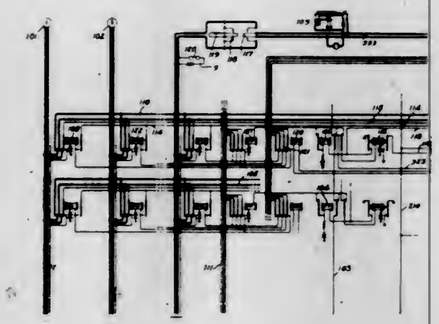
1. A method of securing a storage battery terminal post having spaced shoulders to a cell cover provided with an opening therethrough having a hard rubber wall initially of a shape to closely fit the part of said post between said shoulders, which comprises forcing said post into position in said opening and thereby expanding a portion of said hard rubber wall, the inherent resiliency of said hard rubber thereafter causing the expanded portion of said wall to contract into close contact with said post.

1,507,115. COMBINATION DELIVERY CAR AND SAW RIG. CHARLES E. HANCOCK, Bell, Calif., assignor of one-half to Daniel L. Moore, Bell, Calif. Filed Mar. 18, 1924. Serial No. 700,058. 6 Claims. (Cl. 143—43.)



1. An automobile having side frame bars and a rear cross bar, an extension frame permanently mounted upon the side frame bars and having a rear cross bar some distance back of the first cross bar, a saw rig frame mounted upon the extension frame, means for adjusting the saw rig frame forwardly and backwardly, a saw rig mounted upon the saw rig frame and having a driving shaft extending transversely, and pulleys upon the outer ends of the driving shaft adapted to run the saw rig by contact with the rear wheels of the automobile.

1,507,116. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1920. Serial No. 396,143. 7 Claims. (Cl. 179—27.)



1. In a telephone system, telephone lines, trunk lines, a link circuit including two relays, means for seizing said link circuit, means for manipulating said link circuit to select one of said telephone lines, means for controlling said relays in one sequence to restore said link circuit to normal, means for manipulating said link circuit to select an idle one of said trunk lines, and means responsive to said last means for controlling said relays in another sequence to restore said link circuit to normal.

1,507,117. COMPACT CONTAINER. FRITZ R. JOHNSON, Providence, R. I. Filed Mar. 28, 1924. Serial No. 702,516. 4 Claims. (Cl. 132—83.)



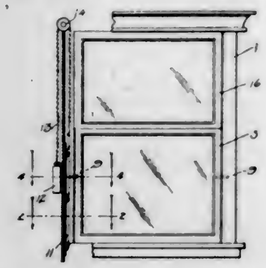
4. In a compact container, two hollow sections, a horizontal plate provided with a central depressed portion and with a curved marginal slot, an oscillatory member slidably supported by the plate in the slot, and a mirror member carried by the oscillatory member.

1,507,118. SUPPORTING DEVICE FOR FILM SPOOLS. WILHELM KABELITZ, Friedenau, near Berlin, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,947. 2 Claims. (Cl. 242—71.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



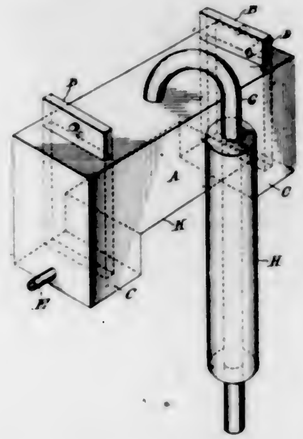
1. Supporting device for film spools, comprising an angle shaped bearing member for one end of the spool and an axially shiftable supporting member for the other end of the spool, the angle shaped bearing member being pivotably connected with a suitable currier by a pivot pin crossing the axis of the spool and adapted to swing about said pivot pin independently from said axially shiftable supporting member for the other spool end.

1,507,119. WINDOW CONSTRUCTION. CHARLES A. KARPENSTEIN, Chicago, Ill. Filed Apr. 13, 1922. Serial No. 552,260. 1 Claim. (Cl. 20—49.)



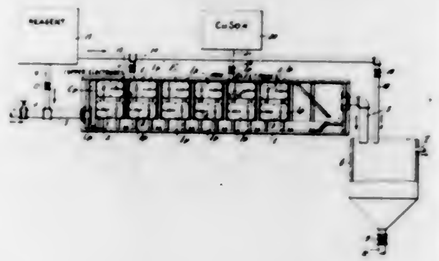
In a window construction, a sash having a groove in its side a metal plate lining said groove, a sash guide member pivotally secured to said plate and having a projection receivable in said groove, the means pivotally securing said plate and guide member together comprising a sleeve extending from said plate, and into said sash, and a pin carried by said guide member and slidably and rotatably received in said sleeve, a friction shoe, links connecting said shoe with said guide, said links extending at an angle with respect to said shoe and guide, a chain having one end secured to one of said links, a window frame having a groove therein, and a weight connected to said chain so as to cause said chain to swing said link and force the shoe into engagement with the wall of the groove in said window frame.

1,507,120. PROCESS OF HEATING AND DISTILLING LIQUIDS AND APPARATUS THEREFOR. GLENN A. KEEP, Elizabeth, N. J., and CLAYTON M. HOFF, Cleveland, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 29, 1922. Serial No. 564,512. 15 Claims. (Cl. 23—1.)



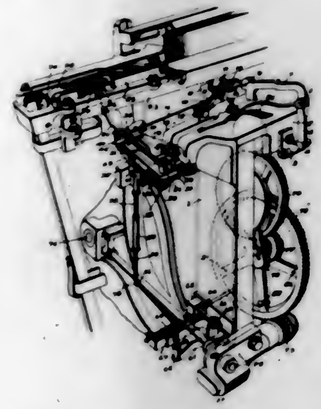
1. Process of heating liquid which comprises passing an alternating electric current through a body of liquid between electrodes, the minimum cross sectional area of the liquid in the path of the electric current being substantially less than the area of the electrodes in contact with the liquid.

1,507,121. ELECTROCHEMICAL TREATMENT OF LIQUIDS. CLARENCE P. LANDRETH, Philadelphia, Pa. Filed Apr. 6, 1923. Serial No. 630,208. 21 Claims. (Cl. 204—26.)



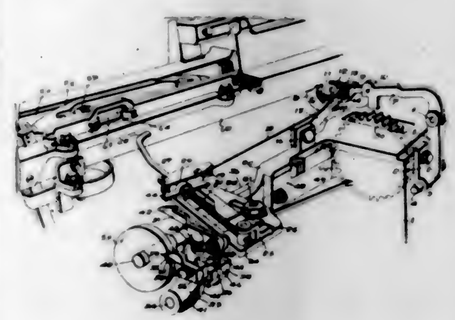
1. The method of treating liquid, as sewage, water, etc., which comprises introducing into the liquid a compound of copper, and thereafter passing current through the liquid in the presence of an electrode of iron.

1,507,122. FEELER MECHANISM FOR LOOMS. WILLIAM LANGLIRAND, New Bedford, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 15, 1923. Serial No. 639,090. 19 Claims. (Cl. 139—270.)



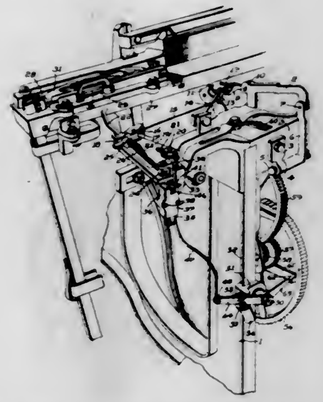
1. In a loom, the combination of the take-up mechanism for taking up the cloth as it is woven, a feeler to detect substantial exhaustion of filling in the shuttle and thereupon to initiate filling replenishment, and means including a controller and a part connected to the take-up mechanism of the loom for operating the controller at intervals to cause the feeler to have short periods of activity and intervening longer periods of inactivity during weaving with the same supply of filling in the shuttle prior to substantial exhaustion thereof.

1,507,123. FEELER MECHANISM FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 25, 1923. Serial No. 641,480. 17 Claims. (Cl. 139—270.)



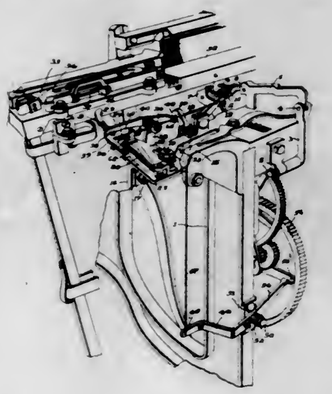
1. In a loom, the combination of a feeler to detect substantial exhaustion of the filling in the shuttle and thereupon initiate replenishment of filling, a feeler withdrawing and holding device to withdraw the feeler from cooperative relation with the filling and maintain it at rest, and means to operate said device to free the feeler at intervals during weaving with the same supply of filling in the shuttle that the feeler may have periods of activity and periods of inactivity with respect to the same filling in the shuttle.

1,507,124. FILLING-REPLENISHING MECHANISM FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 28, 1923. Serial No. 654,355. 13 Claims. (Cl. 139—270.)



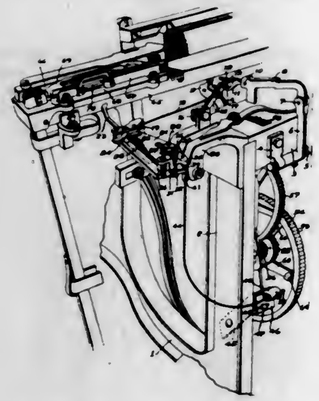
1. In a feeler mechanism for looms, the combination of a feeler to detect substantial exhaustion of the filling and thereupon initiate replenishment of filling, a pivoted detent for holding the feeler in frontward position for periods of inactivity, and means for exerting a thrust upon the detent when engaged with the feeler to cause the detent to turn upon its fulcrum and remove the feeler frontwardly from cooperative relation with the filling on detecting beats.

1,507,125. FEELER MECHANISM FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 14, 1923. Serial No. 680,721. 11 Claims. (Cl. 139—270.)



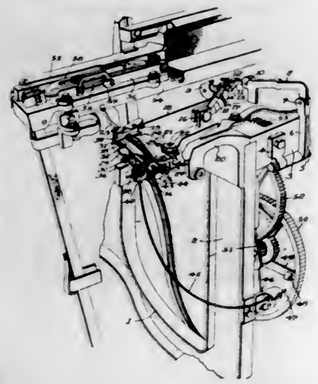
1. In a feeler mechanism for looms, the combination of a feeler, means normally acting to impel the feeler rearwardly into feeling position, a detent for holding the feeler in a frontward inoperative position, means for freeing the feeler from the detent periodically to permit the feeler to move rearwardly into feeling position, means for locking the detent in its feeler freeing position until the feeler is moved frontwardly by a working supply of filling on a detecting beat and thereupon unlocking the detent that it may again function to hold the feeler in a frontward inoperative position.

1,507,126. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 16, 1923. Serial No. 639,399. 12 Claims. (Cl. 139—270.)



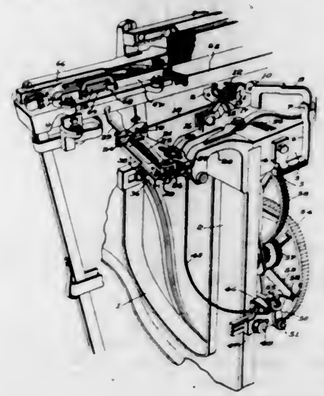
1. In a feeler mechanism for looms, the combination of a feeler mounted for movement towards and from the front of the loom and normally under the influence of a spring tending to move the feeler to rearward feeling position, a detent pivotally supported to swing in a plane transverse to and intersecting the path of movement of the feeler to hold the feeler retracted, take-up mechanism for taking up the cloth as woven, a sheath inclosed flexible controller for tripping the detent to free the feeler, and an actuator connected to the take-up mechanism to operate the controller at intervals that the feeler may have alternating periods of activity and inactivity during weaving with the same supply of filling in the shuttle.

1,507,127. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 12, 1923. Serial No. 674,113. 19 Claims. (Cl. 139—270.)



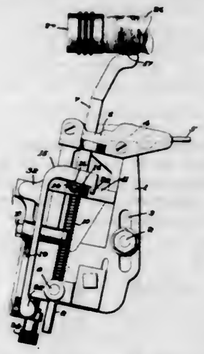
1. An intermittent feeler mechanism for looms, comprising, in combination, a feeler mounted to enter a shuttle and detect substantial exhaustion of the filling, a detent mounted at one side of the feeler to hold the latter in retracted position, a projection upon the feeler that engages the detent, a cam positioned to be engaged by said projection when the feeler is pushed frontwardly by a working supply of filling and operable to swing the feeler laterally to an inoperative position as the projection engages the detent, and means actuated periodically upon the completion of a predetermined number of picks for releasing the feeler from the detent.

1,507,128. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 12, 1923. Serial No. 674,189. 10 Claims. (Cl. 139—270.)



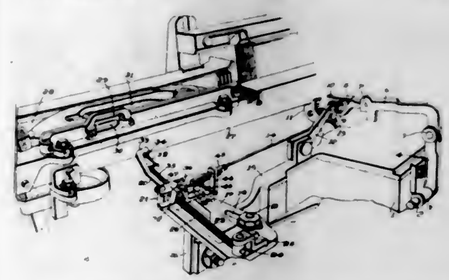
1. An intermittent feeler mechanism for looms, comprising, in combination, a feeler mounted to detect substantial exhaustion of the filling within a shuttle, a detent for engaging any one of a plurality of teeth on the feeler to hold the feeler in a retracted position and constructed and arranged to engage a tooth of the feeler when the latter is pushed frontwardly by a working supply of filling and operable to impart an additional frontward movement to the feeler to move it to an inoperative position, and means operable periodically upon the completion of a multiplicity of picks for releasing the feeler from the detent.

1,507,129. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 4, 1923. Serial No. 678,415. 10 Claims. (Cl. 139—270.)



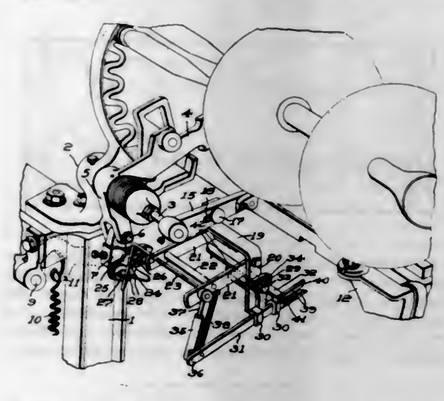
1. In a feeler mechanism for looms, the combination of a feeler, a spring normally impelling the feeler towards its rearward position, a part connected to the feeler and having a detent engaging tooth, a detent for engaging said tooth, the engaging surfaces of said tooth and detent being relatively inclined in a direction transversely of the loom and constructed and arranged to cause the feeler to be moved laterally under the influence of said spring when the detent engaging tooth and detent are engaged as the lay goes back after a detecting beat.

1,507,130. FEELER MECHANISM FOR LOOMS. MELVIN L. STONE, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 14, 1923. Serial No. 680,717. 10 Claims. (Cl. 139—279.)



1. In a feeler mechanism for looms, the combination of an inclined impinging feeler mounted for swinging and sliding movement in supporting means at its forward end as it slides longitudinally of the shuttle, a penetrating feeler mounted upon the impinging feeler so that both feelers move frontwardly of the loom in normal relation on a detecting beat until the filling is substantially exhausted, whereupon the feelers are caused to move relatively in a frontward direction into abnormal relation by engagement of the penetrating feeler with the more dense surface of the filling carrier, and means positioned by such relative movement of the two feelers to effect replenishment of filling upon movement of the feelers longitudinally of the shuttle.

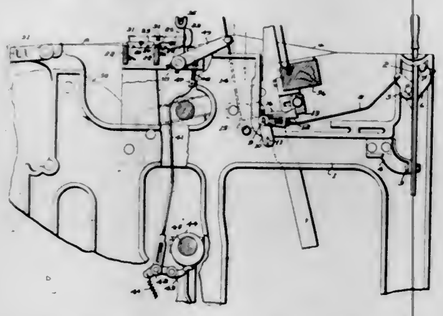
1,507,131. FILLING-END CONTROLLER. PATRICK KEEGAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 10, 1923. Serial No. 661,829. 8 Claims. (Cl. 139—261.)



1. In a loom, the combination of filling replenishing mechanism including a transferrer and a pivoted dog connected thereto, a frame supported from a fixed part of the replenishing mechanism, a sliding member mounted on said frame, a rock shaft for actuating said sliding member, and positive connections between the rock shaft

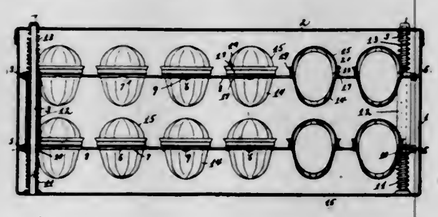
and pivoted dog to effect rearward movement of the sliding member by pivotal movement of the dog on call for replenishment of filling and frontward movement of said sliding member on return of the dog to its initial position.

1,507,132. WARP STOP MECHANISM FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 11, 1923. Serial No. 668,011. 15 Claims. (Cl. 139—362.)



1. In a warp stop mechanism for looms, the combination of a drop wire support extending transversely of the loom, a drop wire pivotally hung upon the support for rocking movement and adapted to be maintained in a normal inoperative position by a warp thread during weaving and to pivot upon the suppport and raise one or the other end of the drop wire into an operative position should the associated warp thread be broken or become too slack, a feeler having a detecting movement longitudinally of and above the plane of the warp threads and drop wires and adapted to engage the raised end of a drop wire and be arrested thereby when the warp thread becomes broken or too slack, and means for stopping the loom when the feeler is arrested by the raised end of a drop wire.

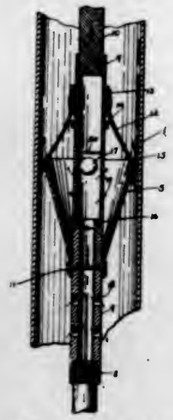
1,507,133. EGG CRATE. GOTTLOB E. LOEBLE, Brooklyn, N. Y. Filed Oct. 4, 1921. Serial No. 505,349. 2 Claims. (Cl. 220—1.)



1. A receptacle having vertical standards, a lower tray having at each corner means loosely guided thereby, means to support said tray yieldingly, an upper tray having means loosely guided by said standards, a lid adapted to be supported by said standards, and yielding means at each corner between the lid and upper tray.

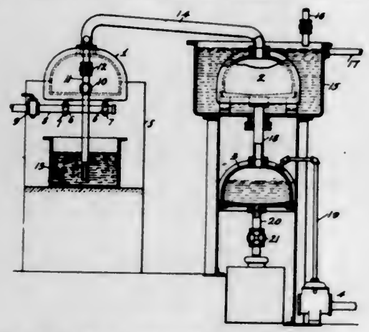
1,507,134. PUMP. OSMYN MOWERS, Houston, Tex., assignor of one-half to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Oct. 23, 1920. Serial No. 418,899. 11 Claims. (Cl. 103—225.)

1. In a pump, a pump rod, a tubular pipe section thereon, a flexible cup secured to said section, said pipe section having openings therein above and below the point of attachment of said cup and an upwardly opening valve in



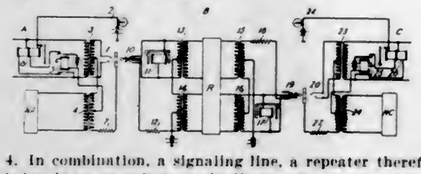
said pipe section, said cup being adapted to collapse on the downward stroke of said rod to allow the passage of most of the fluid outside thereof.

1,507,135. PROCESS AND APPARATUS FOR PRODUCING FREE NICOTINE FROM ITS SALTS. HENRY K. MCCONNELL, Richmond, Va., assignor to Tobacco-By-Products and Chemical Corporation, Louisville, Ky., a Corporation of Delaware. Filed Aug. 2, 1922. Serial No. 579,173. 3 Claims. (Cl. 260—25.)



1. The process of obtaining free nicotine from solutions of its salts, which consists in mixing hydrated lime with an aqueous solution of a nicotine salt, subjecting the mixture to dry heat while excluding the air from it, and carrying off and condensing the vapors.

1,507,136. TRANSMISSION SYSTEM. ROBERT I. D. NICOLL, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1920. Serial No. 360,232. 9 Claims. (Cl. 179—170.)



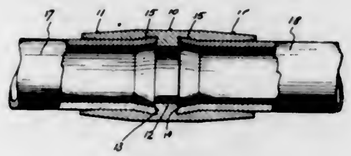
4. In combination, a signaling line, a repeater therefor, a balancing network for said line, and a simplexed circuit connecting said network to said repeater.

1,507,137. SPINDLE. EDWIN A. PERKINS, Jamaica, N. Y. Filed June 6, 1919. Serial No. 302,173. 5 Claims. (Cl. 118—66.)



1. The combination in a self-balancing spindle of a central post adapted to be secured to the frame of a spinning machine, a base member under continuous downward spring tension, a whirl mounted thereon, ball bearings in planes one above and one below the band-pull, adapted to carry said whirl, and a blade rigidly secured to the whirl in combination with means for continuously lubricating said bearings, consisting of an oil cup in the base member and a horizontal channel in the central post connecting said cup with a vertical boring in the central post.

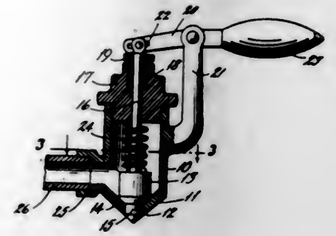
1,507,138. PIPE UNION. LEON PIERCE, New York, N. Y. Filed Jan. 8, 1924. Serial No. 684,935. 3 Claims. (Cl. 285—193.)



1. In combination with pipes having their end edges inclined, a union for joining adjacent ends of pipes comprising a hollow sleeve, an internal rim intermediate the length of the sleeve, the side faces of the rim serving as a stop for the ends of the pipes, the faces of the rim and the ends of the internal surfaces of the sleeve adjacent the rim being inclined to form an acute angle, the peripheries of the pipes being adapted to be expanded against the inclined faces of said sleeve.

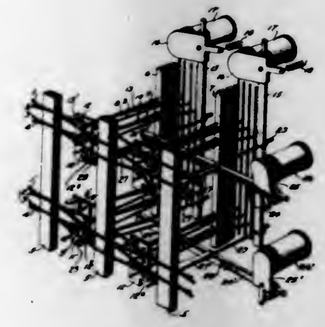
1,507,139. FAUCET. SUMNER T. PIKE, Dallas, Tex. Filed Mar. 25, 1922. Serial No. 546,767. 1 Claim. (Cl. 251—29.)

In a faucet of the character described, an upright immovable tubular head having a conical bottom with an opening at its apex, a valve of greater diameter than the opening and comprising an annular inclined shoulder normally seated on the inclined bottom of the head and a cylindrical reduced plug intersecting with the shoulder and normally fitting snugly in said opening of the bottom of the head, the plug having a drip tip normally having its surface flush with the bottom of the head, a vertically



movable plunger in the head attached to the valve for lifting the same in the head and withdrawing the plug into the head, a coiled spring surrounding the plunger and normally seating the valve, and a lever fulcrumed on the head and connected with the plunger for raising the latter.

1,507,140. AUTOMATIC TELEPHONE SWITCH. JOHN N. REYNOLDS, Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 21, 1921. Serial No. 486,367. 7 Claims. (Cl. 179—27.5.)

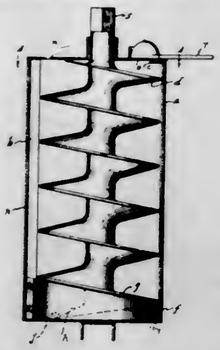


3. In a switching mechanism, a plurality of sets of fixed conductors arranged in an open grid, a plurality of sets of movable conductors arranged in rows at right angles to said grid conductors and extending through said grid, each movable conductor crossing one of said grid conductors but normally out of contact therewith, a selecting bar individual to each row of movable conductor sets, an operating bar individual to each set of grid conductors, means for actuating said bars individually, and means whereby the conjoint actuation of one of said selecting bars and one of said operating bars establishes a connection between a set of movable conductors and a set of rigid conductors at their crossing point.

1,507,141. EVACUATOR. ERNST SCHEIDEGGER, Detroit, Mich. Filed Aug. 16, 1922. Serial No. 582,176. 7 Claims. (Cl. 107—8.)

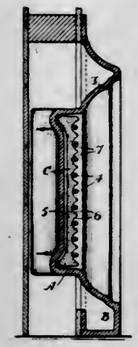
1. In a vessel evacuator, the combination of a vessel provided with a guiding groove, an auger rotatable in said vessel and of substantially the cross sectional size

of the vessel, a follower having a portion engaging in said guiding groove and a portion to engage in the



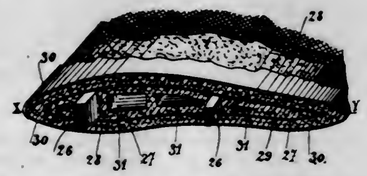
helical groove in the auger, whereby rotation of the auger causes the follower to rise vertically as it ascends the helical groove of the auger.

1,507,142. ELECTRIC HEATER. JOSEPH SCHOENFELD, San Francisco, Calif. Filed Aug. 1, 1922. Serial No. 578,936. 11 Claims. (Cl. 219—34.)



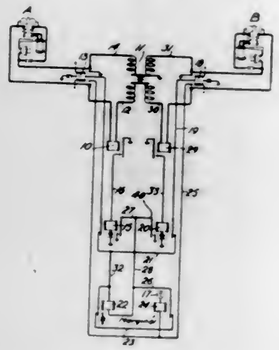
1. In a heater of the character described an electric resistance heating element support comprising a plate constructed of material which has poor heat conducting qualities, an elongated groove formed in the plate, said groove in cross section presenting a parabolic curve, and a resistance element disposed in the focal center of the parabolic curve and extending substantially from end to end of the groove.

1,507,143. AIRCRAFT CONSTRUCTION. ALBERT TOUSSAINT, St. Cyr, and JEAN JOSEPH MARIE BERTRAND, Paris, France, assignors of one-third to Jose Luis Sanchez-Resa, Sevres, Department of Seine, France. Filed Mar. 1, 1922. Serial No. 540,323. 8 Claims. (Cl. 244—31.)



8. A structural unit for aircraft consisting of a mass of considerable thickness and small density molded in such manner as to constitute two soles or flanges assembled by connecting members together with two metal plates cut out and stamped in such manner as to entirely surround the said mass, the two plates being secured together, substantially as described.

1,507,144. TELEPHONE SYSTEM. FREDERIC F. VALLETTE, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 1, 1922. Serial No. 604,200. 5 Claims. (Cl. 179—84.)



5. In a telephone system, a link circuit, a subscriber's station at each end of said link circuit, a source of ringing current, means controlled from either of said stations for connecting said source to the opposite station to signal said opposite station, means operative in response to the answering of the opposite station to automatically disconnect said source of ringing current, and a relay for each end of said link circuit for rendering the conductors of said link circuit discontinuous during the signaling interval.

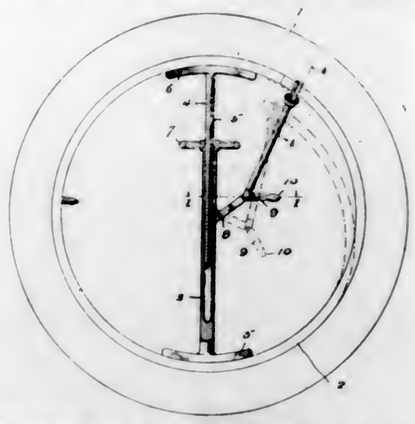
1,507,145. PILE-CUTTING DEVICE. PAUL A. WAGNER, Jersey City, N. J. Filed Mar. 13, 1923. Serial No. 624,688. 12 Claims. (Cl. 139—116.6.)



4. In a device of the character set forth, a bed supporting the fabric to be treated, a needle received in a line of pile loops on said fabric and supported by the body thereof, a roller in contact with said needle, and means for rolling said roller upon said needle.

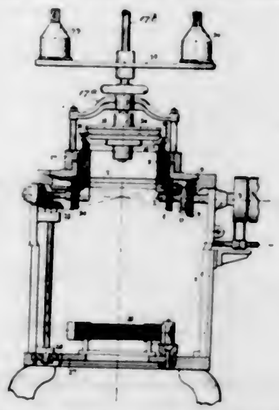
1,507,146. TIRE TOOL. THATCHER W. WALKER, Colville, Wash., assignor to The Secretary of War of the United States of America, trustee. Filed Nov. 10, 1922. Serial No. 600,158. 1 Claim. (Cl. 157—1.)
(Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

A tire tool consisting of a supporting member mounted on the inner face at opposite sides of the rim, a combined pull and thrust rod adapted to be caught on the rim at one end, and an operating lever mounted inter-



mediate its end to said rod, and at its end on said supporting member connecting the combined pull and thrust rod with the supporting member.

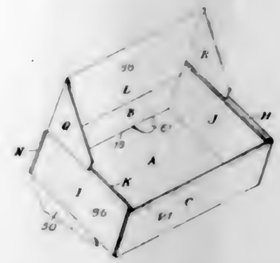
1,507,147. CIRCULAR-KNITTING MACHINE. ERICH BARTH, Chemnitz, Germany. Filed July 7, 1924. Serial No. 724,745. 3 Claims. (Cl. 66—22.)



1. In a circular knitting machine, a vertical, cylindrical needle bed, arranged rotatably in the machine, a radial, horizontal needle bed also arranged rotatably and coupled to said cylindrical needle bed so as to cooperate therewith for producing a double-walled fabric, interconnected cam elements for said needle beds arranged rotatably in the machine, a driving shaft, and means for coupling the needle beds and the cam elements alternately to said shaft so that both will rotate intermittently in the same direction while the knitting proceeds reciprocatingly from end to end of the fabric, substantially as set forth.

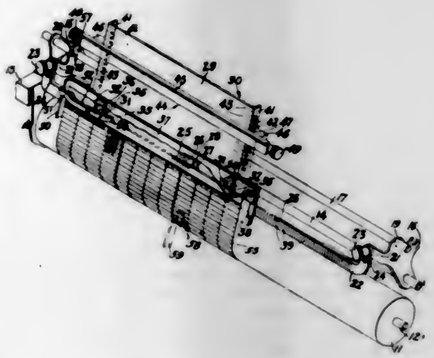
1,507,148. FOLDABLE DISPLAY BOX. CHARLES BASHWINER, Jamaica, N. Y., assignor to Active Folding Box Co., Inc., a Corporation of New York. Filed Oct. 23, 1920. Serial No. 418,942. 4 Claims. (Cl. 206—44.)

1. A foldable display box, comprising a body having an open top with a bottom section, a rear wall section foldable upwardly from the bottom section, a front wall section divided into two parts also foldable upwardly from the bottom, interlocking inner side wall members foldable from the rear wall section and from the front wall section, side wall outer sections on the ends of the bottom section, foldable over the inner side wall sections when their members are interlocked, side wall inner flaps extending from the ends of the second part of the front wall section, foldable and insertable in



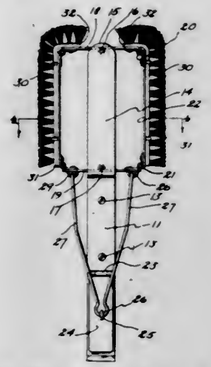
the body to lay against the outer side wall sections, and rear wing members on the interlocking inner side wall members of the rear wall section, foldable upon the outer face of the rear wall section, all of said parts being cut and foldably scored from a single blank whereby advertising matter provided on one face of the blank may be arranged to appear on the exterior faces of the parts of the box.

1,507,149. TYPEWRITING MACHINE. FRED BECKER, Buffalo, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 30, 1921. Serial No. 488,538. 21 Claims. (Cl. 197—124.)



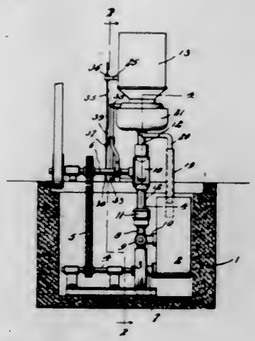
1. In a machine having writing and computing mechanisms, in combination, a platen, a platen-frame, a bar on said platen-frame above the platen, said bar having a series of teeth on its upper edge, a front paper-table having a tooth on its back, said teeth on the bar and paper-table co-operating to determine and maintain the exact lateral position of the paper-table in the machine to enable the paper-table to position the work properly with relation to the computing mechanism, said paper-table normally being positioned against the front face of the bar, and means including spring-clips to yieldably hold the paper-table against removal from the bar.

1,507,150. EXPANSIBLE BRUSH. HELENE BEHRENS, Herington, Kans. Filed June 23, 1923. Serial No. 647,356. 1 Claim. (Cl. 15—165.)



An expansible brush comprising a rigid handle composed of a solid core and a metal strap looped to extend longitudinally therefrom, leaves pivoted between the extensions of the loop at a spaced distance, said leaves normally extending outward at uniform angles, plate connections pivoted between the ends of opposed pairs of leaves, a lever hinged to said handle, links connecting said lever with one pair of said leaves, and brush elements disposed on the outer surfaces of said plate connections.

1,507,151. AUTOMATIC MILK-CAN WASHER. GEORGE S. BENNETT and LOUIS L. BENNETT, Massena, N. Y. Filed Jan. 10, 1922. Serial No. 528,172. 11 Claims. (Cl. 141—7.)

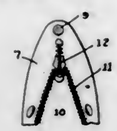


1. In a milk-can washer, the combination of a hollow, reciprocatory can-support, liquid-operable means to reciprocate the said support, a pipe on which the said support is reciprocable, said pipe being rotatable about its axis, means to so rotate said pipe, means to supply cleansing agent under pressure to said pipe, and telescopic conduit means connected to the can-support for the discharge of cleaning agent and dirt received from the can; the said means to rotate the pipe including a shaft geared to said pipe, and the said means to reciprocate the can-support including a pump operable by said shaft.

1,507,152. METHOD FOR TREATING MATERIALS CONTAINING METAL COMPOSITIONS. EDWARD SALOMON BERGLUND, Djursholm, Sweden. Filed Mar. 20, 1922. Serial No. 545,340. 7 Claims. (Cl. 75—17.)

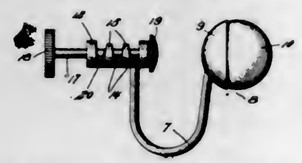
1. The method of treating materials containing zinc and lead, consisting in reducing said materials by means of [redacted] carbide and lime.

1,507,153. GLOVE CLOSURE. RALPH H. BINNS, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,854. 6 Claims. (Cl. 24—205.)



3. A glove closure including in combination a glove presenting an opening, a mounting member adapted to be positioned within said opening, means for detachably securing said mounting member to said glove, and closure elements carried by said mounting member.

1,507,154. EAR ATTACHMENT. ADOLPHE BONNIOL, Providence, R. I. Filed Dec. 28, 1922. Serial No. 609,501. 2 Claims. (Cl. 63—14.)



2. As an improved article of manufacture, an ear attachment comprising a bow having a head at one end, a sleeve fastened to the other end of said bow and having a longitudinally-disposed slot with laterally-extended recesses forming a plurality of teeth, a clamping rod slidably and rotatably mounted in said sleeve and having at one end an operating head, and a bearing at the other end, and a lateral lug on said rod intermediate its ends and disposed between the end walls of said slot to engage in said teeth.

1,507,155. TRACTOR HITCH. JOHN BRUNGESS, Ukiah, Calif. Filed Dec. 30, 1922. Serial No. 609,982. 2 Claims. (Cl. 280—82.)

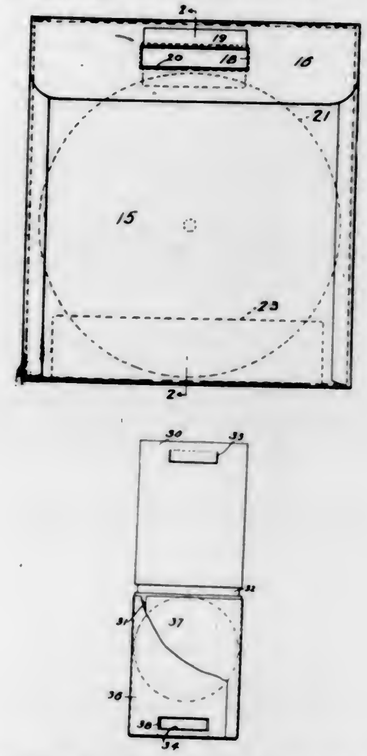


1. In a tractor hitch, a truck, a draw bar extending from the forward end thereof, means for slidably securing the draw bar to the truck, a draw bar at the rear of the truck, a flexible connection between the two draw bars, and a loose joint between the truck and load.

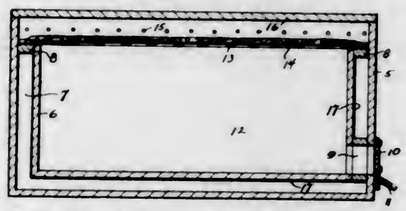
1,507,156. BAG OR ENVELOPE. JOHN W. BUNKER and ASHTON M. BONEY, New York, N. Y., assignors to Service Bag Co. Inc., New York, N. Y., a Corporation of New York. Filed May 6, 1921. Serial No. 467,447. 16 Claims. (Cl. 206—62.)

8. In a carrier of the class described, front and back walls hingedly connected at their bottom edges, overlapping side flaps attached to one of said walls, said flaps and the front and back walls having handle slots all registering in the folded relation of said parts.

14. An article of manufacture of the character described including a bag and a flap, the flap being adapted for folding over the upper edge of the bag, the back and front of the bag and the flap all having closed slots formed therethrough at points substantially registering with one another, the paper cut to form one of said slots left intact along one edge to form a tongue, the latter adapted to be bent from said attached edge as a hinge, through the other slots or apertures to form a fastening, and thence bent around one edge of the slots to face and enclose the latter.

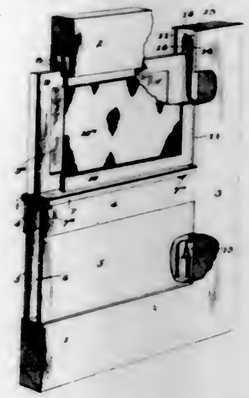


1,507,157. CHICKEN HOVER. CHARLES WATTS CAROL, Globe, Ariz. Filed June 4, 1923. Serial No. 643,374. 1 Claim. (Cl. 119—31.)



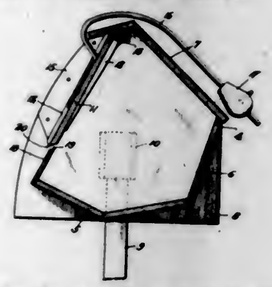
A hover of the character described comprising an inner box and an outer box, a filling strip therebetween adjacent the upper end of the inner box and below the top of the outer box whereby a dead air space is formed between the inner and outer boxes below said strip, a doorway leading from the outside to the interior of the inner box, a covering of loose cotton constituting the top of the inner box and permitting a gradual seepage of air therethrough throughout its area and a cover for the outer box, there being a plurality of spaced openings formed in the sidewalls of the outer box above the level of said inner box and in the transverse plane thereof, whereby ventilation is equalized at all points in the length of the hover.

1,507,158. DOOR. STEPHEN M. CASEY, San Francisco, Calif. Filed June 12, 1923. Serial No. 644,907. 1 Claim. (Cl. 20—36.)



A door having an opening defined by stiles and top, center, and bottom rails, the center rails being spaced apart, solid panels connecting each center rail with the bottom rail to provide a pocket to house sash, a pair of sash adapted to be housed in such pocket, the upper rail being recessed to receive the upper ends of such sash when the same are raised above the center rails, and a sill hingedly connected to the upper edge of each center rail, said sills adapted to meet centrally above the pocket to each afford a support for the respective sash when the latter is raised, the meeting edges of the sills interfitting to prevent leakage therethrough and to tend to hold said sills in fixed pocket-closing relation when either sash is in raised position.

1,507,159. SALT BOX FOR ANIMALS. HERBERT J. COSFORD, Mondovi, Wis. Filed Nov. 23, 1922. Serial No. 602,899. 2 Claims. (Cl. 119—62.)

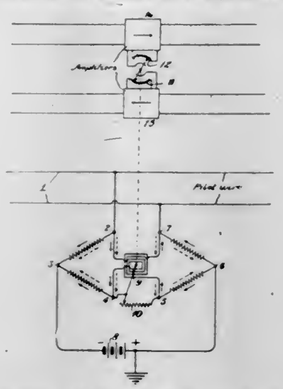


1. A salt box for animals including a box body one of the sides of which is hinged and movable by the head of the animal, a rod one end of which is secured to the hinged side of said body and the opposite end extended over the top of the latter and terminated beyond the back wall of the box body, and a weight adjustably mounted on said rod.

1,507,160. PILOT-WIRE REGULATOR SYSTEM. GEORGE CRISSON, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 30, 1922. Serial No. 609,911. 8 Claims. (Cl. 178—44.)

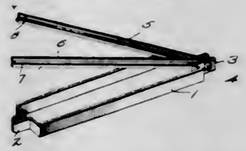
1. A system for the automatic regulation of the transmission equivalent of electrical circuits, said system comprising a pilot wire, a balance bridge including said pilot wire as one of its arms, a grounded battery connected across said bridge, a polarized differential device having two windings, connections from the windings of

said device to the bridge, said connections being such that currents due to external disturbances and flowing to ground over the two sides of the pilot wire will pro-



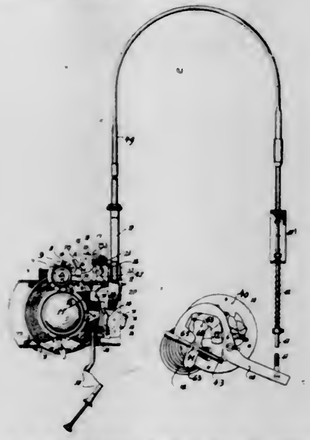
duce a differential effect in said windings, and an automatically adjusted means for varying the gain of repeaters in the transmission circuits according to the deflection of said device.

1,507,161. HAIR CRIMPER. VALENTINE F. DELMUÉ, Los Angeles, Calif. Filed Feb. 29, 1924. Serial No. 696,066. 3 Claims. (Cl. 132—41.)



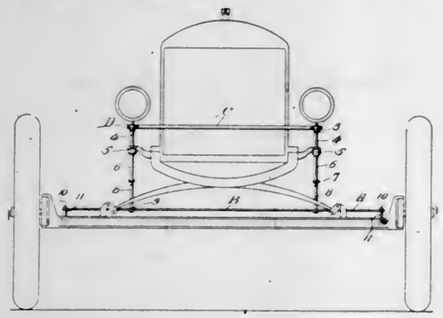
1. A hair crimper of the class described including a pair of bars pivotally associated with each other at adjacent ends and provided with longitudinally extending V-shaped mid-portions one adapted to fit within the other, and means at the free ends of the bars for holding them together.

1,507,162. PHOTOGRAPHIC APPARATUS FOR MAKING HELIOCHROMES. HERMANN DIERNHOFER, Zittau, Germany. Filed Apr. 20, 1922. Serial No. 555,087. 14 Claims. (Cl. 95—2.)



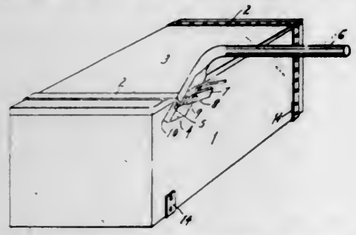
1. In a photographic apparatus for making photographs in natural colors by an automatic succession of part exposures corresponding to the different single colors, the combination with an object-glass, cassette-exchanging means and a clock-work for operating these means, of a rotary disk arranged in front of the object-glass and being adapted to act as shutter for it and to be adjusted for the various exposure times; and means for causing a succession of operations consisting in the shutting of the object-glass, the moving of said disk into such other position as requisite for the next part-exposure, the releasing of the clock-work, the tensioning of the shutter by the clock-work for the next part-exposure, and as many repetitions of this succession of operations as the number of the part-exposures require, substantially as described.

1,507,163. HEADLIGHT STEERING MECHANISM. SALVATORE DI PAOLA and GIACOMO RESTIVO, Freemanspur, Ill. Filed Oct. 11, 1923. Serial No. 667,961. 1 Claim. (Cl. 240—62.)



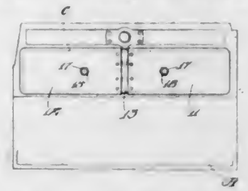
An automobile headlight rigging comprising upright studs adapted to be applied to the knuckle arms of the steering gear, a cross rod pivotally connected at opposite ends with said studs, said cross rod provided adjacent opposite ends with flat enlargements formed with vertical openings, vertically disposed L-shaped crank arms mounted upon the ends of the cross rod with the lower ends of their vertical portions extending through said vertical openings, the forward ends of the horizontal crank portions of said crank arms formed with upwardly extending studs, other vertically disposed L-shaped crank arms formed in the outer ends of their horizontal portions with longitudinal slots receiving the studs of the crank portions of said first mentioned arms, interiorly threaded sockets formed at the upper ends of the vertical portions of said second mentioned crank arms, lamp shafts secured in said sockets, bracket extensions adapted to be applied to the frame of the automobile and loosely receiving the lamp shafts and a second cross rod extending between and connected with the upper ends of said lamp shafts.

1,507,164. BOX-BAND TIGHTENER. WILLIAM A. ENGELHARD, Springfield, Mass., assignor of one-half to Frederick H. Engelhard, Springfield, Mass. Filed Aug. 1, 1923. Serial No. 655,003. 7 Claims. (Cl. 254—79.)



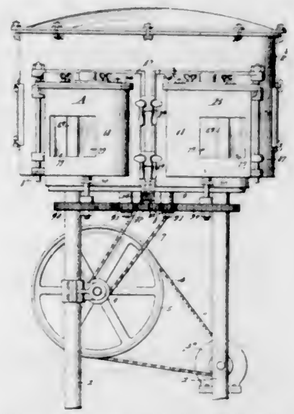
7. The combination, in a box-band tightener, with a head slotted to form band-gripping edges on the front and back, the front edge being lower than the rear edge, and having at its free end a gripping edge and at the other end a handle, of a button pivotally connected with said head in position to engage a band above said gripping edge at the front end of the slot, and between said button and the front side of said head, said button having one end chamfered to facilitate engagement with said band.

1,507,165. TAPPET COVER FOR INTERNAL COMBUSTION ENGINES. STEPHEN I. FEKETE, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 28, 1923. Serial No. 654,324. 4 Claims. (Cl. 123—90.)



1. The improved cover for the tappet chamber of the cylinder block of an internal combustion engine which comprises two halves formed of metal and secured together by a hinge which unites their proximate edges.

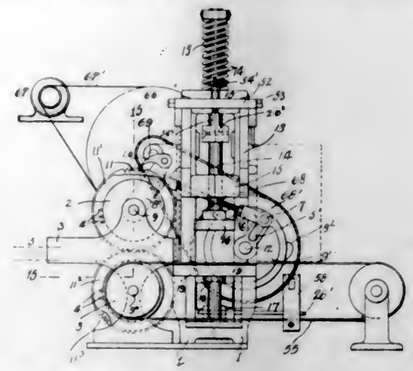
1,507,166. PROCESS AND APPARATUS FOR SEALING UNDER VACUUM. RICHARD M. GARRETT, New York, N. Y., assignor to Nestle's Food Company, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1922. Serial No. 543,967. 22 Claims. (Cl. 113—82.)



1. The herein described process of sealing vent hole openings in the lids of containers while the latter are under reduced pressure, which consists in continuously moving a container having a vent hole in its lid into, through and out of an evacuated chamber while maintaining the container in upright position and without breaking the vacuum in the chamber, and automatically softening and applying sealing material to the lid at the point where said vent occurs while the container is in motion and without breaking the reduced pressure in the chamber.

1,507,167. MACHINE FOR MAKING CONFECTIONS. FRANCESCO GIGLIOTTI, Springfield, Mass. Filed Apr. 16, 1923. Serial No. 632,397. 22 Claims. (Cl. 107—8.)

1. In a machine for the purpose described, the combination with a clamping plunger which is movable for clamping a piece of candy material of means for feeding candy under the plunger, means for actuating the plunger, the actuating means having a period of rest, or dwell during the clamping operation, means for severing the articles to be clamped, a hopper to receive sticks therein which are designed to be inserted into the finished article and means



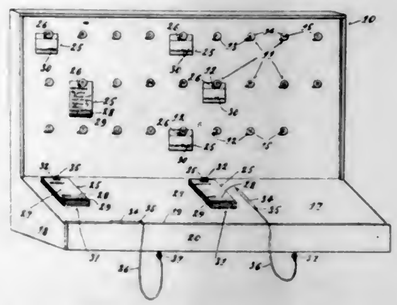
for feeding the sticks toward the finished article during the clamping operation said stick feeding mechanism being located in the path or line of travel of the article and means for removing the finished article after the clamping mechanism releases the article.

1,507,168. HAIR HOLDER. JOHN D. GOODRUM, Houston, Tex. Filed Oct. 22, 1923. Serial No. 669,984. 3 Claims. (Cl. 132—45.)



1. A device of the character described, including arcuate front and rear head clamps adjustable toward and from each other and having their ends free, arcuate side clamps having free ends, and means for holding said rear and side clamps yieldingly against the head of the wearer.

1,507,169. INTELLIGENCE STATION. HAZEL D. GREENWELL, Fort Thomas, Ky. Filed Mar. 28, 1921. Serial No. 456,263. 2 Claims. (Cl. 40—124.)



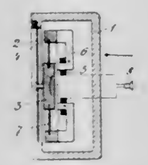
2. An intelligence station comprising in combination, a vertical board, a plurality of hooks on said board spaced apart from each other and each having a designation thereon, and message cards each having means adapted to coact with said hooks respectively for holding the respective message cards on the hooks, and a desk attached to said vertical board.

1,507,170. HOSE CLAMP. FRED WILLIS GUNN, Boston, Mass. Filed Sept. 7, 1923. Serial No. 661,419. 2 Claims. (Cl. 24—19.)



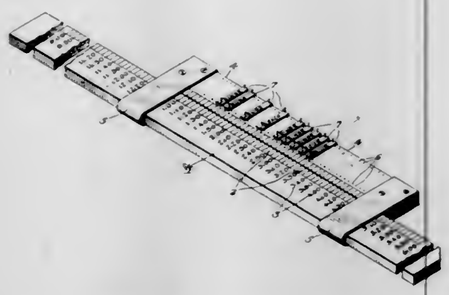
1. A wire clamp formed of a single length of wire bent intermediate its ends to provide substantially parallel end portions and a bight, the latter being bent to provide spaced apart wire engaging portions.

1,501,171. SOUND RECEIVER. WALTER HAHNEMANN and HEINRICH HECHT, Kitzeberg, near Kiel, Germany, assignors to Signal Gesellschaft m. b. H., Kiel, Germany. Filed July 21, 1921. Serial No. 486,567. 7 Claims. (Cl. 177—386.)



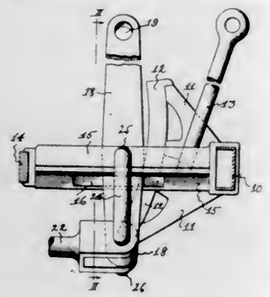
1. An electromagnetic sound receiver comprising; a vibratory structure consisting of two vibrating masses and an elastic member connecting the two said masses to each other, the one mass being formed of the magnet and the other of the armature of an electromagnetic system; and a sound receiving member adapted to take in arriving sound waves and combined with one of the said masses, while the other mass is allowed to vibrate without restraint.

1,507,172. WORKING SCHEDULE OR INDICATING GUIDE. ROBERT HENRY HARRISON, Raleigh, N. C. Filed June 27, 1923. Serial No. 648,040. 5 Claims. (Cl. 116—135.)



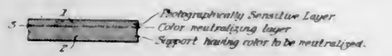
2. In a working guide or schedule, the combination with a main portion, of a supplemental portion associated therewith, graduations on said main portion, indicia carrying strips supported upon said supplemental portions, means for interchangeably arranging said strips thereon in spaced relation in the desired combinations, said spacings following a unit of measurement according to the graduations on said main portion and means for obtaining a cooperating reading between said portions.

1,507,173. RAILWAY-BRAKE-LEVER CONNECTION. BRODERICK HASKELL, Franklin, Pa. Filed Dec. 5, 1923. Serial No. 678,732. 7 Claims. (Cl. 188—205.)



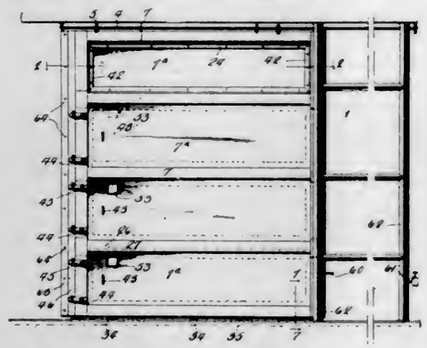
3. A brake construction comprising a brake beam having a compression member and a tension member, a strut having a slot and interposed between and intermediate the ends of said compression and tension members, a brake lever within said slot of the strut, a bottom or brake connecting rod, and a member provided with two interconnected pins and having one of its pins pivotally connecting the brake lever between its ends to said strut member and its other pin connecting an end of said brake lever with an end of said bottom or brake connecting rod.

1,507,174. PHOTOGRAPHIC FILM WITH BASE OF NEUTRAL TINT. JAMES H. HASTE and ERWIN J. WARD, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 14, 1922. Serial No. 594,562. 3 Claims. (Cl. 95—9.)



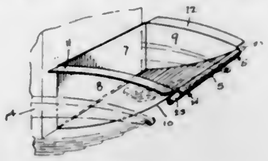
1. As an article of manufacture a photographic film comprising a photographically sensitive layer, a light-transmitting support therefor having a color which would be displeasing when viewing an image formed from said sensitive layer, and a layer containing sufficient complementary color to substantially neutralize said first named color.

1,507,175. GRAIN-CAR DOOR. CLYDE WALTER HATFIELD, Emerson, Iowa. Filed May 25, 1923. Serial No. 642,342. 9 Claims. (Cl. 189—46.)



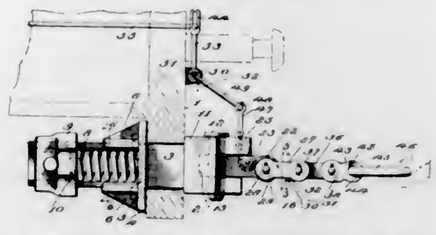
1. A horizontally-slidable sectional grain car door, wedgingly interfitting trough-shaped members interposed between the stile of the door and a wall of a car, and a fixed upright between which and the said wall of the car said stile and its trough-shaped member is guided.

1,507,176. BAGGAGE RECEPTACLE. GUSTAVE O. HEINE, San Francisco, Calif. Filed Dec. 15, 1921. Serial No. 522,477. 3 Claims. (Cl. 224—29.)



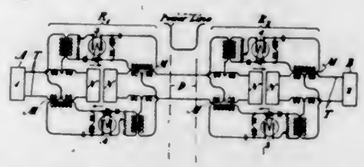
1. A baggage receptacle for automotive vehicles comprising a curved pan having a rolled front edge to detachably engage the frame ends of a vehicle and a flanged rear edge to engage an adjacent portion of said vehicle.

1,507,177. LINK COUPLER. FRANK W. HENRIKSON, Mulberry, Kans. Filed Sept. 13, 1921. Serial No. 500,387. 7 Claims. (Cl. 213—178.)



3. In combination with the drawbar of a dinkey, a series of links pivoted to said drawbar, a second series of links pivotally connected to said first mentioned links to break upwardly only, a link coupling pivotally connected to said second series of links to break upwardly only, and means for raising and lowering said first mentioned links to swing said link coupling to raised or lowered position.

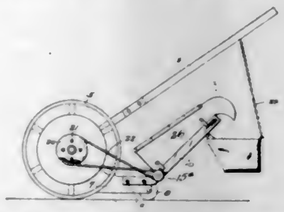
1,507,178. METHOD OF AND MEANS FOR REDUCING INTERFERENCE IN TRANSMISSION SYSTEMS. HARRY W. HITCHCOCK, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 6, 1921. Serial No. 498,626. 8 Claims. (Cl. 179—78.)



7. The method of reducing the ratio of induced current to voice current in the output of telephone circuits, which consists in amplifying the voice currents by a high factor before they enter the region of induction and amplifying the currents by a low factor after they leave the said region.

1,507,179. LAWN MOWER. ALBERT J. HOLLE, Rushford, Minn. Filed Jan. 10, 1922. Serial No. 523,261. 2 Claims. (Cl. 56—156.)

1. A lawn mower attachment comprising, a pair of spaced upwardly extending and rearwardly inclined parallel bars, each having its lower end terminal portion formed at an obtuse angle to form attaching means therefor, a conveyor element supported by said bars and operated from the mower, a plurality of braces secured to the outer side of each bar and extending inwardly over the upper edge of the said bars, inclined guide plates supported by said braces above said element and having integral outwardly turned hook members along their upper edges, and a flexible cover plate having eyelets along its side edges for the insertion of said hook members.



1,507,180. SANITARY BANDAGE. HENRY WELLS HOLLY, Brooklyn, N. Y. Filed Mar. 24, 1923. Serial No. 627,397. 3 Claims. (Cl. 128—286.)

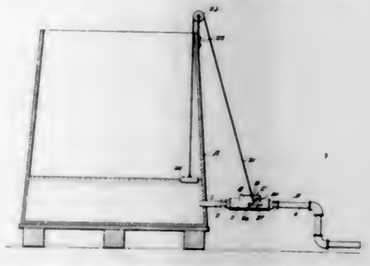


1. A sanitary device of the class described comprising a pouch having an opening in the upper part thereof, a tubular end portion, a slit in the upper surface of said tubular end portion, and a second slit in the lower surface of said tubular end portion.

1,507,181. FIRE-RESISTING PAINT. NEVIL MONROE HOPKINS, New York, N. Y., assignor to The Burnot Fireproofing Products, Inc., a Corporation of New York. Filed Apr. 4, 1922, Serial No. 549,565. Renewed Jan. 21, 1924. 2 Claims. (Cl. 134—45.)

2. The herein described new paint composition consisting of a water solution of sodium silicate in the proportions of one and one half pints; sodium fluoride one half pint; 6 ounces finely divided asbestos and 6 ounces asbestine admixed with sufficient kaolin, and zinc oxide to increase the hiding power of the paint and sufficient coloring matter to provide a predetermined color thereto.

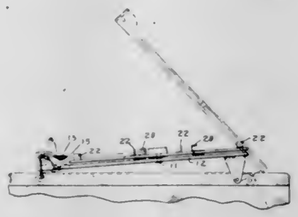
1,507,182. AUTOMATIC SHUT-OFF VALVE. WILLIAM HORWOOD, Titusville, Pa. Filed Apr. 17, 1922. Serial No. 553,678. 1 Claim. (Cl. 137—68.)



In combination with a tank and a flow pipe connected with the lower portion thereof, a valve structure connected in the flow pipe and comprising a casing having spaced valve seats, the face of one of which is disposed in the direction opposite of the flow from the tank and the other having its face disposed in the direction of the

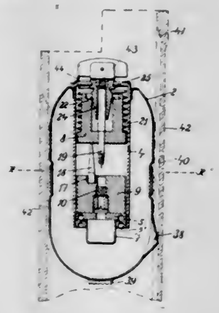
flow from the tank, spring pressed valves located in the casing and arranged to close against the seats respectively, manually operable means for simultaneously moving the valves away from the seats and against the pressure of the springs, latch mechanism for holding the valves at open position with relation to the seats and a float device connected with the latch mechanism and operated by the level of the liquid in the tank to release the valve opening means whereby the valves under tension from their respective springs may simultaneously close against the oppositely disposed seat faces and thereby interrupt the flow of liquid in either of two directions through the casing and pipe.

1,507,183. DUPLICATOR. ALBERT ISAACS, New York, and RICHARD BALDAUF, Hempstead, N. Y., assignors to The Beck Duplicator Company, a Corporation of New York. Filed Jan. 5, 1924. Serial No. 684,592. 7 Claims. (Cl. 101—133.)



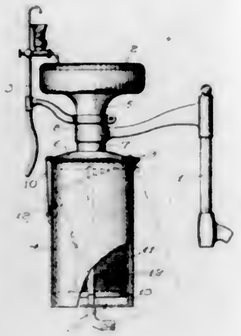
1. An attachment for duplicators comprising a paper-supporting member adapted to be movably mounted upon a duplicator and to bear a plurality of piles of paper or the like and to be moved so as to bring a predetermined pile of paper into operative position with relation to said duplicator.

1,507,184. HAND GRENADE. FRANTIŠEK JANEČEK, Prague, Czechoslovakia. Filed July 1, 1921. Serial No. 481,944. 4 Claims. (Cl. 102—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. In a device of the kind described in combination, an igniting device, a striker body, a common guide sleeve surrounding said device and body, resilient means tending to force said members against one another, a spacing pin loosely inserted in an indenture of one and resting against the surface of the other member, an egg-shaped shell surrounding all said parts, a lateral projection on said shell and a barrel adapted to surround said shell and provided with a longitudinal groove ending short of the outer end of said barrel and adapted to embrace said projection.

1,507,185. FOUNTAIN CUSPIDOR. FRED F. JONES, Chillicothe, Ohio. Filed Nov. 5, 1923. Serial No. 673,013. 5 Claims. (Cl. 4—262.)



1. In a device of the class described a fountain cuspidor, a receptacle below said cuspidor, a pivotal connection between said receptacle and cuspidor, and a foraminous receptacle positioned within said first mentioned receptacle.

1,507,186. DEVICE FOR OPENING AND CLOSING SLIDING DOORS AND FOR OTHER PURPOSES. PATRICK R. JUDGE, Parker, S. Dak. Filed Aug. 23, 1923. Serial No. 658,926. 3 Claims. (Cl. 254—77.)



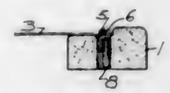
1. A pulling device comprising a lever provided at one end with a handle and at the other with a beak, and having, intermediate of said ends, through said lever, an opening from which extends a smaller opening the walls of which are capable of retaining the links of a chain when passed therethrough and laid therein.

1,507,187. SIGNBOARD. ALBERT L. JUHL and RUFUS R. DARDEN, Niles, Calif. Filed July 30, 1923. Serial No. 654,610. 1 Claim. (Cl. 40—39.)



A device of the character indicated comprising a support and a shell revolubly mounted thereon, said shell having its surface formed to present a plurality of wind engaging pockets extending longitudinally thereof and facing uniformly in one direction, said shell being provided with surfaces adapted to carry advertising indicia and sign boards arranged contiguous to said shell on one side and spaced a distance therefrom on the other side whereby to vary the air pressure on opposite sides of said shell.

1,507,188. MANUFACTURE OF CHAIR SEATS. JAMES M. KANE, New York, N. Y. Filed Oct. 2, 1923. Serial No. 666,193. 8 Claims. (Cl. 155—187.)



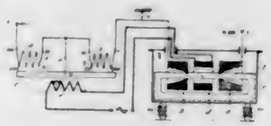
1. A chair seat comprising a frame having a plurality of holes in it, a sheet of ready-made woven cane fabric having free ends, said ends being inserted in said holes, and a plurality of plugs inserted in said holes for securing said ends therein.

1,507,189. SHOE TYING DEVICE. HENRY S. KEYES, Los Angeles, Calif. Filed Dec. 7, 1922. Serial No. 605,484. 1 Claim. (Cl. 24—117.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



An improved means for securing the upper ends of shoe lacings consisting of passing the upper free end of the lacing through auxiliary eyelets, arranged in staggered relation to each other, at alternating angles to cause parts of the lacing to rest on the inside of the shoe and intermediate parts of the lacing to rest on the outside of the shoe at alternating angles, to prevent slipping of the shoe lace.

1,507,190. HIGH TENSION TRANSFORMER. HUBERT KRESS, Frankfort-on-the-Main, Germany. Filed Apr. 9, 1923. Serial No. 630,915. 4 Claims. (Cl. 175—356.)



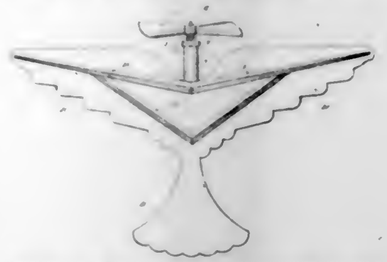
1. A high tension transformer having a high tension winding, an exciting winding and an iron core, said high tension winding being divided into two electrically connected sections, said exciting winding being arranged between said sections and highly insulated from said core, and said core being insulated from earth and given a predetermined potential with respect thereto.

1,507,191. AERONAUTIC CHART. STORY B. LADD, Washington, D. C. Filed Mar. 6, 1922. Serial No. 541,549. 1 Claim. (Cl. 116—1.)



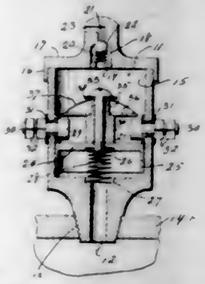
An aeronautic chart system, including a marker-instrumentality contoured to have an open central field and adapted to function as an elevated platform, said platform having a distinguishing element arranged and observable within said central open field for indicating a unit of the system.

1,507,192. TOY AIRPLANE. BERNHARD FRANK LAUKANDT, Red Wing, Minn. Filed Mar. 11, 1924. Serial No. 698,383. 3 Claims. (Cl. 244—14.)



1. In a toy air plane, a body, a propeller shaft journaled at the front end thereof, a rubber band motor inclosed in the body and operating to revolve the said shaft, and air plane members secured to the top side of the body and provided with hollow strengthening bars of light material, triangular in cross section, secured to their upper surfaces and extending laterally of the body.

1,507,193. CUT-OUT. HENRY E. MAY and ROBERT W. SELLMAN, Detroit, Mich. Filed Sept. 9, 1922. Serial No. 587,171. 3 Claims. (Cl. 200—82.)



1. In a cut-out of the character described, a cylinder, ports formed in opposite end walls of the cylinder, means coacting with one of said ports for preventing withdrawal of air from within the cylinder, the other of said ports being adapted for connection for the source of suction a piston arranged within the cylinder and loosely fitting the same, means normally forcing said piston toward the end of the cylinder in which the last named port is disposed, contacts extended into and insulated from the walls of the cylinder, and a connecting member for said contacts carried by said piston and engaged with said contacts upon movement of the piston in a direction away from the end of the cylinder provided with the last named port.

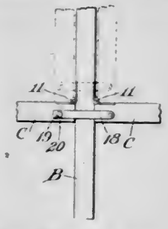
1,507,194. FUSE. WILLIAM AUGUST MILLER, Monaca, Pa. Filed Apr. 1, 1921. Serial No. 457,745. 4 Claims. (Cl. 200—125.)



1. A fuse comprising a substantially cylindrical core made of insulating material and having an axial bore, said core being formed with a plurality of spaced parallel grooves extending longitudinally of the core and being counter-bored at the ends of the core, the counter-bore at one end of each groove being longer than the

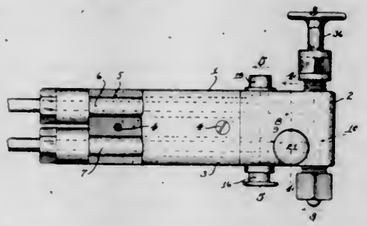
counter-bore at the opposite end of the groove, fusible elements adapted to be disposed in said grooves and having enlarged end portions disposed in the counter-bores at the ends of said grooves, the smaller counter-bores being completely filled and the larger counter-bores being partially filled by the portions of the fusible elements disposed therein, the fusible elements terminating short of the outer ends of the longer counter-bores, contact members adapted to abut the opposite ends of the core, the contact member for the end of the core provided with the longer counter-bores having a projection adapted to enter a selected counter-bore to contact the fusible element disposed therein, and means extending through the axial bore of said core and connecting the contact members for releasably holding said contact members in abutting relation to the ends of said core and with the said projection of one of the contact members disposed in a selected counter-bore.

1,507,195. ILLUMINATED EMBLEM. JOHN W. MOORE, Charleston, W. Va. Filed Apr. 5, 1924. Serial No. 704,543. 3 Claims. (Cl. 40—130.)



3. In a collapsible emblem, a stem section, a pair of sections hinged to the stem section at opposite sides thereof and swingable about the hinges thereof to parallel the stem section or to positions where they align one with the other and are disposed at an angle to the sections, and common means for locking said sections in both of said positions.

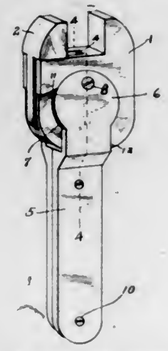
1,507,196. PAINT GUN. JOHN D. MURRAY, San Francisco, Calif. Filed Nov. 10, 1922. Serial No. 599,994. 8 Claims. (Cl. 91—45.)



1. A liquid applying apparatus including a hand-piece provided with independent channels, a mixing chamber in the hand piece into which said channels discharge, a bulbous discharge tip at the discharge end of said mixing chamber and formed with a single discharge slot extending entirely across the same, and means for controlling the passage of fluid through said channels.

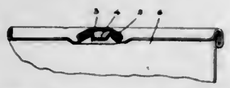
7. A liquid applying apparatus including a hand-piece provided with independent inlet channels and an outlet channel at substantially right angles thereto and into which the same discharge, said outlet channel provided with a discharge port at one end, a discharge tip associated with said ported end and provided with a discharge orifice, a needle valve within said outlet channel adapted for adjustment to control the passage of material through said discharge orifice, the body of said valve at a point inwardly from said needle point being cut to provide a pair of conical depressions disposed with their apices toward each other in spaced relation, said valve body between said conical depressions and between the outer of said depressions and said needle point being longitudinally grooved, and a pair of connected valves one within each inlet channel and adapted for simultaneous operation on the gripping of the hand-piece to control the passage of fluid through said channels.

1,507,197. WRENCH. ALBERT NEAL, Kokomo, Ind. Filed Sept. 13, 1922. Serial No. 588,007. 2 Claims. (Cl. 81—128.)



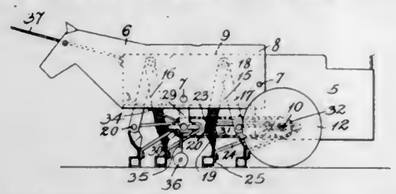
1. In a wrench, a fixed jaw having circular bores extending from side to side thereof, and a slot extending from edge to edge thereof and intersecting said bores, a movable jaw having a shank entering said slot and housed therein, said shank having an opening therethrough, a handle having circular heads at one end bifurcated to fit on opposite sides of said shank and within said bores, said heads pivoting the handle to the stationary jaw, and a crank pin connected with said heads and extending through said opening in the shank for operating the movable jaw when the handle is swung laterally.

1,507,198. CLOSING THE FILLING APERTURE OF HERMETICAL BOXES. NIELS JONAS NIELSEN, Aarhus, Denmark. Filed Nov. 27, 1922. Serial No. 603,722. 4 Claims. (Cl. 220—81.)



1. A disk closure for sealing an aperture in a vessel comprising two superposed metal disks, one formed of solder and the other forming a closing member, said disks being spaced apart at their central portions, and flux material arranged in the space.

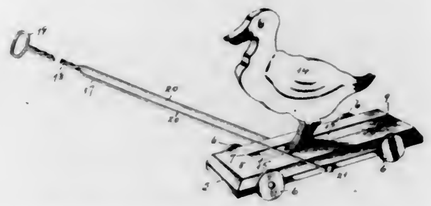
1,507,199. MECHANICAL TOY. NORTON PRENTISS OTIS, San Francisco, Calif. Filed Aug. 27, 1923. Serial No. 659,594. 4 Claims. (Cl. 46—45.)



1. A figure having legs consisting of upper sections pivotally hung upon the figure, lower sections pivoted to the first sections, a driven crank shaft, and U-shaped

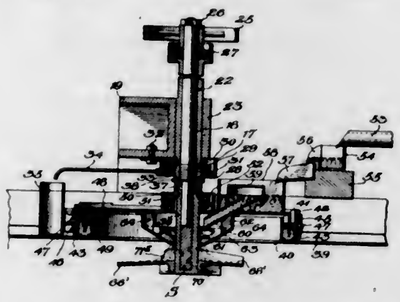
connections between the crank shaft and the respective legs and each including an arm operatively connected with the joint between the mating sections of a respective leg and an arm fixed to the lower section of said leg.

1,507,200. FIGURE WHEELED TOY. WILLIAM E. OTT, Baltimore, Md. Filed Sept. 11, 1920. Serial No. 409,554. 2 Claims. (Cl. 46—45.)



1. A toy having a base with sufficient wheels to sustain it in a horizontal plane, said base having a longitudinal groove that opens at one end thereof, a figured detachable element slidable into said base-groove, means in the groove for holding said element in place and a handle having two arms that are pivotally attached to the base at opposite sides of the groove, said arms being movable to a position in front or at the rear of the detachable element.

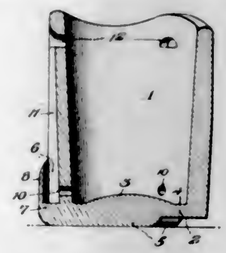
1,507,201. ACID DISTRIBUTOR. JOHN PATTEN, Baltimore, Md., assignor to The Davison Chemical Company, Baltimore, Md., a Corporation of Maryland. Filed June 12, 1918. Serial No. 239,692. 9 Claims. (Cl. 299—63.)



1. Apparatus of the character described adapted to distribute acid uniformly over the cross sectional area of a Gay Lussac or Glover tower including in combination a rotatable spider formed with a plurality of radiating acid channels of different lengths, the longest channel arranged to discharge the acid at a higher elevation than the shortest channel, means for delivering acid to said channels in quantities proportional to the length of said channels, and means for rotating said spider.

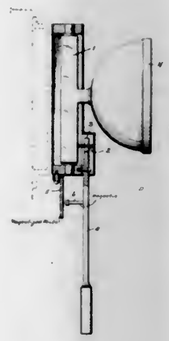
1,507,202. FLOWERPOT. JOHN H. PETTIT and JOHN J. FITZPATRICK, Vienna, W. Va. Filed Nov. 15, 1923. Serial No. 674,855. 4 Claims. (Cl. 47—38.)

1. In a flower pot, a body having a raised rounded portion on the upper face of its bottom to form a circular channel in conjunction with the side walls of the body, and a series of elongated spaced radial feed extending from the center of the bottom and projecting at their outer ends beyond the periphery of the body, vertical walls extending upwardly from the projecting outer ends of the feet and merging into the side walls of the body to form wells, the body being formed with parts establishing communication between the wells and the body interior and the outer face of the side walls of the body being formed with vertical grooves of substantially V-cross section which flare downwardly and incline inwardly and lie opposite to the well walls.



2. In a flower pot, a body, and a relatively narrow substantially semi-circular vertical wall extending upwardly from the bottom portion of the body and disposed closely adjacent to but spaced from the body periphery and having its sides integrally merging into the latter, the body periphery being grooved at points opposite to the wall so as to cooperate with the latter to form a well, the body having an opening adjacent its bottom establishing communication between the well and the interior of the body.

1,507,203. HEADLIGHT. ANDERSON REDDING, Juliette, Ga., assignor of one-half to James T. Bray, Juliette, Ga. Filed May 9, 1923. Serial No. 637,851. 1 Claim. (Cl. 240—62.)

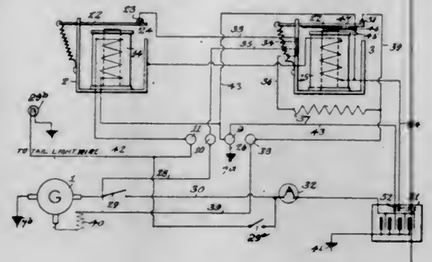


In combination, a vertically disposed member, means for supporting the same for swinging movement in a horizontal direction, an illuminating means carried by the member, an outstanding pin carried by the member, a pendulum supported for swinging movement and provided with spaced fingers between which the pin of the member extends, an outstanding magnetic member carried by the pendulum, and a stationary magnetic plate positioned adjacent to the pendulum and in close proximity to the magnetic member.

1,507,204. BATTERY-CHARGING GENERATOR AND SAFETY CONTROLLER. ALFRED H. WILLOUGHBY and GEORGE E. ROCHE, Portland, Oreg. Filed June 27, 1922. Serial No. 571,177. 2 Claims. (Cl. 171—314.)

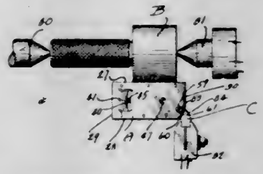
1. In a battery charging system the combination with means to provide a main battery charging circuit including a normally closed switch and a magnetic device for actuating said switch to open said circuit, of means con-

nected to said device to provide a normally opened thermostat strain relieving circuit of less resistance than the main circuit and including a normally open switch actuated by said device when energized to close the said circuit of less resistance, and means to provide an energizing circuit for said magnetic device and including a ther-



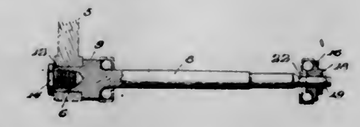
mostatic switch actuated from the heat of the battery being charged to close said energizing circuit to create said circuit of less resistance to relieve the thermostatic switch of any possible strain which might be due to the continued passing of the energizing circuit for said magnetic device.

1,507,205. CENTER INDICATOR. JOHN G. SAKOWICZ, South Deerfield, Mass. Filed Dec. 8, 1922. Serial No. 605,679. 5 Claims. (Cl. 33—185.)



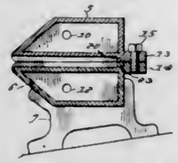
1. A gauge comprising a frame having opposed side edges in parallel relation, opposed end edges thereof in parallel relation, said side and end edges respectively disposed at right angles to each other and one corner portion of said frame being cut off to provide a diagonally disposed edge face between adjacent end and side edge faces; and indicator means movably supported by said frame and including an article engaging extension projecting through the diagonally disposed edge face and without projecting beyond the planes of the adjoining side and end edges cooperatively disposed with respect to said side and end edges.

1,507,206. PEDAL PIN. JOHN WM. SANDERS, Lorain, Ohio. Filed Mar. 29, 1922. Serial No. 547,717. 1 Claim. (Cl. 208—70.)



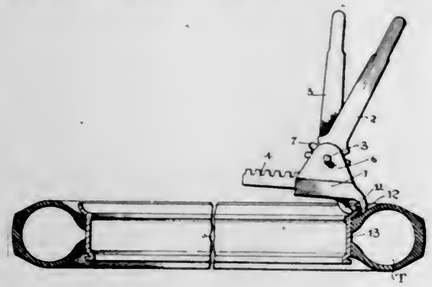
A device of the character described comprising a crank arm having an opening in one end thereof, a pedal pin one end thereof extending through said opening in said crank arm, an annular shoulder formed on said pedal pin engaging one side of said crank arm adjacent said opening, said pedal pin having a threaded opening extending centrally in the end thereof received in said opening in said crank arm, and a headed bolt threaded in said opening in said pedal pin the head thereof engaging the opposite side of said crank arm from that engaged by said shoulder.

1,507,207. HEATER FOR BOX TOES. FRANCOIS N. SAVARD, Avon, Mass. Filed Mar. 10, 1923. Serial No. 624,305. 1 Claim. (Cl. 34—18.)



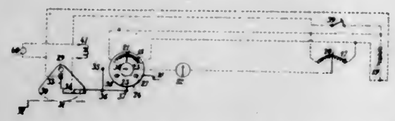
In an oven for heating leather shoe boxings, substantially rectangular chests for the reception of steam, supply and exhaust pipes connected to the said chests, the said chests having coinciding and engaging flanges on their ends and rear sides, respectively, at their bottom and top, whereby a space is formed between the chests when the flanges are in engagement with one another, and means for clamping the chests in engagement with each other with their flanges in engagement, substantially as described.

1,507,208. TIRE REMOVER. OSCAR CHARLES SCHLENKER, Plainfield, Ind. Filed Jan. 19, 1923. Serial No. 613,744. 4 Claims. (Cl. 157—6.)



1. A tire remover comprising a frame, a single lip protruding from the front of the frame, a pair of opposing lips situated beneath said single lip and spaced laterally therefrom, a standard on back of the frame, a holding lever fixed to the frame beside the standard, a movable lever situated between the standard and holding lever having a spur gear pivoted therebetween, a rack engaged by said gear and guided in said frame, and a lug extending from said rack occupying the same plane as the single lip and being adapted to move into the space between said pair of lips.

1,507,209. APPARATUS FOR CONTROLLING FIRING ON BOARD WARSHIPS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France, and Joseph Louis Routin, Paris, France. Filed Jan. 5, 1922. Serial No. 527,277. 10 Claims. (Cl. 89—41.)

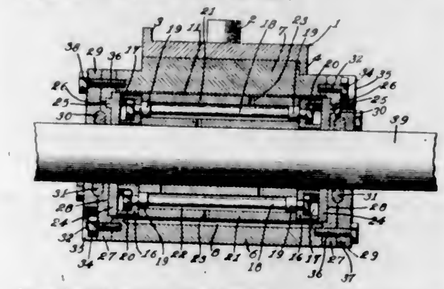


1. Ordnance apparatus comprising, in combination with a gun, a corrector for transmitting angles of train and elevation to said gun, and means for correcting the angle of train of the gun in accordance with the angle of inclination of the trunnions of the same, a parallelogram mounted adjacent to said gun, a contact for the firing circuit of the gun operatively connected to said parallelogram for actuation thereby, a second contact for completing said firing circuit when engaged by said first named contact, and a gyroscope for controlling the movement to be imparted to said first named contact by said parallelogram.

1,507,210. PROCESS OF MAKING CELLULOSE ETHERS. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 5, 1921. Serial No. 458,748. 12 Claims. (Cl. 260—152.)

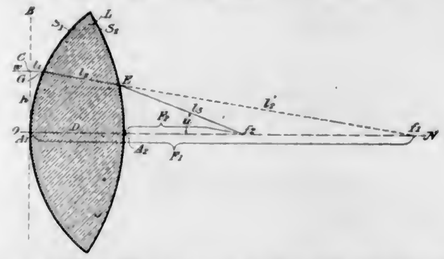
11. The process of making cellulose ethers, which comprises the steps of subjecting a mass containing cellulose and an alkali metal hydroxid and water to repeated violent disintegrating impacts until the cellulose fibers are thoroughly forced apart and intimately mixed with the hydroxid and water, and then ethylating said cellulose.

1,507,211. ROLLER BEARING. ELMER C. SHILEY, Frackville, Pa., assignor of one-half to James R. Williams, Frackville, Pa. Filed Nov. 4, 1921. Serial No. 512,879. 1 Claim. (Cl. 64—62.)



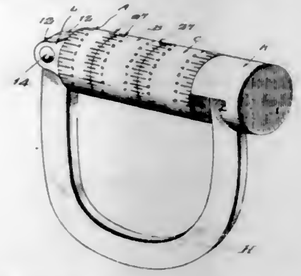
In a device of the class described, a cylindrical casing provided with an internal oil chamber extended part way around the casing, inner and outer heads on each end of the casing and provided upon their abutting surfaces with cooperating annular recesses, annular packings in the recesses, washers engaging the inner surfaces of the inner heads and connected thereto by dowels, a split-cylindrical bushing in the casing and engaged at its ends about the washers, the bushing having an opening communicating with the chamber, annular end members within the bushing and abutting against the washers, shafts connecting the end members, rollers journaled on the shafts and located between the end members, the rollers having internal oil reservoirs and being provided with transverse oil ports adapted to receive oil from the chamber, by way of the opening of the bushing, and a rotatable element carried by the rollers and extended through the end members, the washers, the heads and the packings, the packings surrounding the rotatable element closely.

1,507,212. LENS. LUDWIK SILBERSTEIN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 29, 1920. Serial No. 427,092. 10 Claims. (Cl. 88—57.)



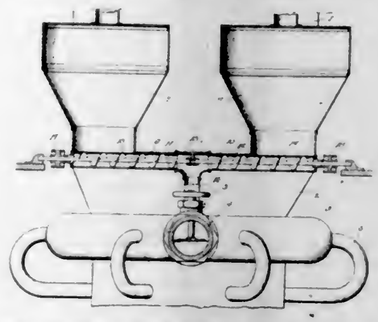
1. A lens having two aspherical surfaces, the front surface being an ellipsoidal surface, and the rear surface being so selected that the Fermat condition for the whole lens is satisfied.

1,507,213. PADLOCK. JAMES SINGER and PAUL REKETYE, East Akron, Ohio. Filed Apr. 14, 1922. Serial No. 552,667. 3 Claims. (Cl. 70—112.)



1. A lock of the character described comprising a shackle, a locking-pin pivoted at its one end to the one end of said shackle, a keeper-pin adapted to slide in a groove longitudinally of the locking-pin, a plurality of elongated sleeves encircling the locking-pin and keeper-pin, said locking pin and keeper-pin having projections or lugs arranged longitudinally thereof and occuring upon opposite sides thereof, said projections fitting into annular grooves upon the inner peripheries of the sleeves, said grooves having communicating channels adapted to permit the passage of the projections or lugs when brought into alignment, and thereby to permit the locking-pin to be moved with respect to the keeper-pin, and co-engaging means between the keeper-pin and the free end of shackle whereby the shackle may be locked to said keeper-pin when the keeper-pin is moved inwardly a certain degree.

1,507,214. PROCESS FOR PURIFICATION OF PIG IRON IN BLAST FURNACES. CHARLES J. SOMERS, Jersey City, N. J., GORDON C. TIBBITTS, Somerset, Md., and EDWARD F. QUINN, Brooklyn, N. Y. Filed June 19, 1922. Serial No. 569,405. 9 Claims. (Cl. 75—14.)



1. The process of producing refined pig iron or substantially plain steel in the blast furnace, substantially free from phosphorus and sulphur, which comprises successively forming oxidizing and reducing slags in the smelting zone of the furnace during the operation thereof.

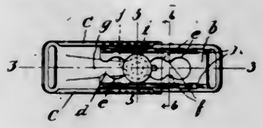
1,507,215. LINGERIE CLASP. ALFRED SPETTIGUE, Leominster, Mass. Filed Nov. 9, 1923. Serial No. 673,699. 3 Claims. (Cl. 241—12.)



1. As an article of manufacture, a lingerie clasp comprising a base perforated at its extreme ends so as to adapt it to be sewed at both ends to the under surface of the shoulder strap of an outer garment and having a

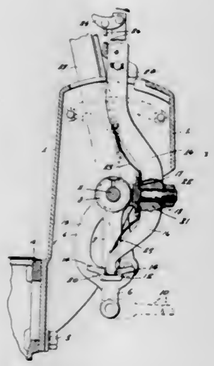
resilient tongue on the under side thereof spaced therefrom throughout the most of its length and provided with a projection engaging the base for receiving between it and the base the shoulder strap of an under garment.

1,507,216. FASTENER. CHARLES P. STOCKTON, Melrose, Mass., assignor of one-half to George C. Thomas, Malden, Mass. Filed Nov. 21, 1923. Serial No. 676,016. 5 Claims. (Cl. 24—206.)



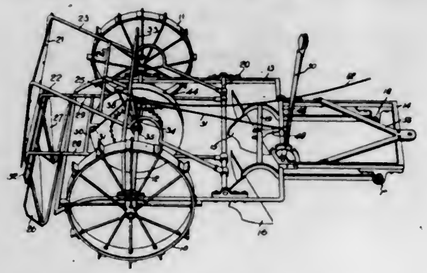
3. A fastener comprising an outer and an inner member adapted for attachment at opposite ends, said inner member being arranged for slidable connection with the outer member at its inner side and having in its middle portion a series of circular holes which are connected by a longitudinal slot extending from its unattached end, a resilient tongue connected to and extending longitudinally of said outer member and spring set in divergent relation relative thereto, and a stud fixed in the end of said tongue and extending through said outer member into the slot of the inner member, said stud having a circular head portion at its inner end adapted to be received by said circular holes and an intermediate shank portion adapted to be received by said slot, the length of said portions corresponding to the thickness of said inner member whereby either portion may be held in said slot.

1,507,217. GEAR-SHIFTING MECHANISM. HENRY W. SWEET and GEORGE C. CARHART, Syracuse, N. Y., assignors to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 10, 1922. Serial No. 600,045. 9 Claims. (Cl. 74—39.)



1. In a gear shifting mechanism, the combination of a support, a shaft carried by the support, a yoke having hubs mounted on the shaft to move about the axis of the shaft, the yoke being formed with a shifting lever bearing extending substantially outwardly in a radial direction relatively to the shaft on one side of the shaft, motion transmitting levers mounted on the shaft between the hubs of the yoke, and an operating lever pivotally mounted on the bearing of the yoke and having a lateral selecting movement about such bearing into selective engagement with any one of the motion transmitting levers, and operable to move the yoke about the axis of the shaft and shift the selected lever.

1,507,218. FURROW-MAKING MACHINE. ROBERT H. TRAPNELL, Covina, Calif. Filed May 25, 1921. Serial No. 472,343. 4 Claims. (Cl. 97—55.)



1. In a furrow making and check building machine of the class described, a carriage including an axle, a plurality of scrapers and intermittent checking scrapers carried by the carriage, a rotatable element loosely mounted on the axle, means for connecting the rotatable element to operate it, means in conjunction with the rotatable element for operating said scrapers to dig connections and build checks, and means in conjunction with said rotatable element to retain the intermittent checking scraper in a raised position when the furrows are being formed.

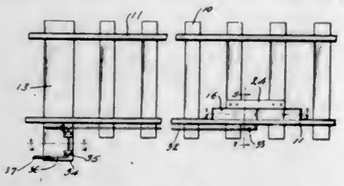
1,507,219. PROCESS FOR THE MANUFACTURE OF HOLLOW BRICKS CLOSED ON ALL SIDES. HANS TREITEL, Berlin, Germany. Filed Oct. 21, 1922. Serial No. 596,124. 6 Claims. (Cl. 25—156.)



1. A process for the manufacture of hollow bricks closed on all sides consisting in a hollow brick being first pressed with an open end and burrs of suitable thickness on two opposite walls and then pressing the burrs towards one another thereby forming a closed end having the desired cross-sectional dimensions.

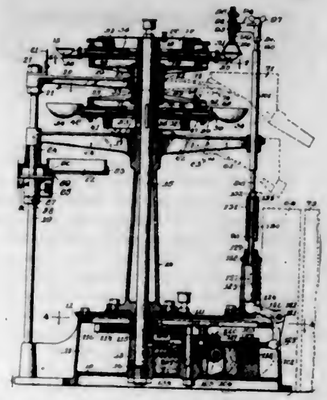
5. A device for the manufacture of hollow bricks closed on all sides consisting in combination of a mould, lateral spaces thereon, said mould and spaces being adapted to be filled with plastic material, a press ram or plunger adapted to press the hollow brick within said mould and spaces with an open end and thickened walls and press-members adapted to press the projecting thickened parts of the walls towards one another after the plunger is withdrawn, for the purpose of closing the open end of the brick.

1,507,220. RAILROAD-CROSSING SIGNAL. JOHN TSCHUMPER, Carlton, Kans. Filed Mar. 28, 1924. Serial No. 702,550. 4 Claims. (Cl. 246—293.)



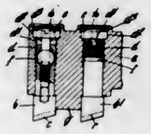
2. A device of the character described comprising, a railway crossing signal of the character described, comprising, a yieldable contact plate, means for preventing displacement of the said plate, a swinging crank mounted below the said yieldable plate, a roller mounted on one extremity of the crank and adapted to engage the lower side of the yieldable plate, a U-shaped rod mounted upon the supporting block, a swinging signal arm formed on the extremity of the U-shaped rod, a signal mounted on the extremity of the signal arm, a crank formed on the other extremity of the U-shaped rod, an operating rod adapted to join the said U-shaped rod crank and swinging roller crank, a coil spring secured to the U-shaped rod crank and adapted to normally retain same in an inclined position.

1,507,221. EGG-SEPARATING MACHINE. GEORGE WEISS, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,227. 35 Claims. (Cl. 146—2.)



1. A machine for separating the contents of eggs and embodying an open receptacle adapted to receive the contents of the egg, mechanical means for advancing the receptacle, and means operating in timed relation to the movement of the receptacle to dump the contents therefrom.

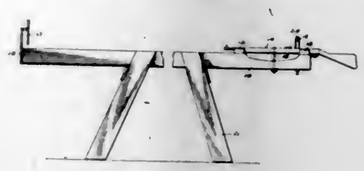
1,507,222. SNAP GAUGE. AXEL CHARLES WICKMAN, Leamington Spa, England. Filed Nov. 23, 1920. Serial No. 426,027. 19 Claims. (Cl. 33—163.)



1. A gauge comprising a body, an adjustable gauging member comprising a shank part engaged in said body; a screw threaded adjustable member having a passage through it and threaded in said body substantially in line with said shank part, and a setting screw having an abutment on it and passed through the passage in said screw threaded adjustable member and engaged in the said shank part, the said abutment co-acting with said body so that the said body takes the setting pressure from the said abutment independently of the said screw threaded adjustable member.

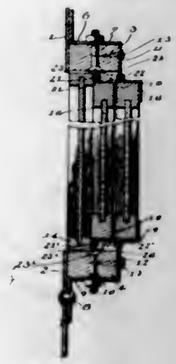
1,507,223. SIGHTING-DRILL SYSTEM AND DEVICE. JOHN G. WINTER, Waco, Tex. Filed May 31, 1922. Serial No. 564,812. 10 Claims. (Cl. 125—15.5.)

1. A sighting drill device, including a rest, a rifle provided with front and rear sights rigidly secured to the rest, an adjustable peep sight mounted to be brought to position in the rear of the rear sight, an adjustable reflector positioned in front of the rifle, a target board immovable with respect to the rest and in position to be reflected in the reflector, a disc movable over the front



face of the target board, a miniature target on the rear face of the target board and a marker movable in unison with the disc and over the target.

1,507,224. WEATHER-STRIP GUIDE. DANIEL WILLIS ARAVE, Pocatello, Idaho. Filed May 23, 1923. Serial No. 640,952. 1 Claim. (Cl. 20—52.)

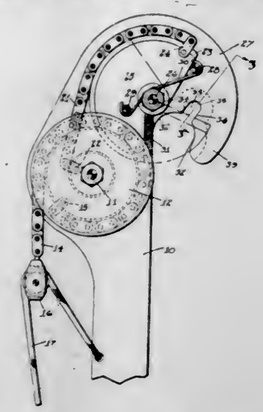


The combination with a sliding closure and the frame therefor, of a pair of metallic rails extending inwardly of the inner faces of two parallel members of the frame, and longitudinal metallic slide members secured to the closure and having portions upon the faces of the closure which are in confronting relation to said faces of the frame members, said portions of the slide members being in sliding contact with the inner faces of the rails and each slide member also having spaced guiding and retaining portions in sliding engagement with opposite lateral faces of one of said rails, each of said rails being provided at one end thereof with a laterally turned end portion extending in the path of movement of the slide member with which said rail is associated.

1,507,225. PRUNING SHEARS. LEON J. BARRETT, Worcester, Mass. Filed May 4, 1923. Serial No. 636,710. 8 Claims. (Cl. 30—11.)

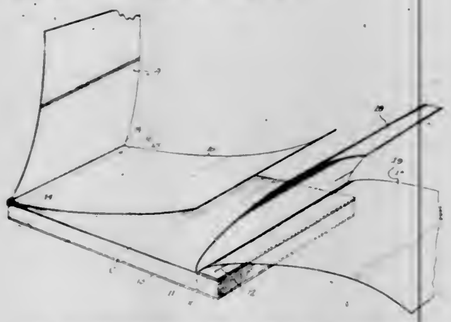
1. In a pruning shear, the combination with a support or handle having a blade thereon, of a wheel mounted on said support and adapted to turn freely and provided with two drums, one larger than the other, a flexible connection wound on the larger drum and extending therefrom for turning the wheel, a second flexible connection fixed to the smaller drum and adapted to be wound thereon by the turning of the wheel but extending outwardly from the wheel, another wheel to which the

end of the second connection is secured, having a curved surface on which it is adapted to be wound, a spring for



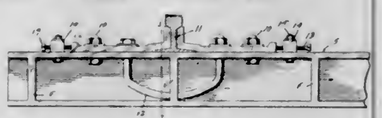
holding the second wheel in its extreme position, the last named wheel having a pruning blade for co-operating with the blade on the handle.

1,507,226. MANIFOLD TICKET. GEORGE H. BAUGHMAN, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,486. 4 Claims. (Cl. 282—9.)



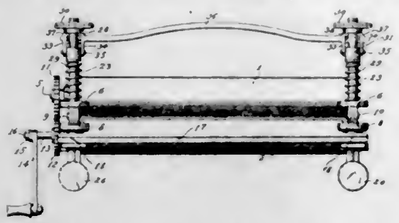
1. A manifold ticket set comprising an elongated sheet provided intermediate its ends with parallel rows of perforations and folded upon itself upon one of said perforated rows to provide two members, and a second member consisting of a shorter sheet having perforations adjacent one edge to provide a stub end that is secured to the first sheet between the parallel perforations in the latter, whereby a plurality of superposed members are provided, any one of which may be detached from the other members without separating said other members from each other.

1,507,227. TIE AND FASTENER. WILLIAM HENRY BEAL, Paris, Tex. Filed Oct. 8, 1923. Serial No. 667,290. 2 Claims. (Cl. 238—332.)



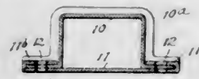
1. In a tie construction, spaced ribs forming a part of the tie, a pair of openings formed in one of the ribs, said tie having openings arranged in the upper wall thereof, fish plates on the tie and having openings adapted to register with the openings in the upper wall of the tie, securing rods extending through the openings in the rib, and having their upper ends extending into the registering openings of the fish plates and tie to lock the fish plates against movement and means engaging the ends of the fish plates for moving the fish plates.

1,507,228. QUICK-RELEASE CLOTHES WRINGER. STEPHEN BONA, Union City, Conn. Filed Aug. 15, 1921. Serial No. 492,226. 2 Claims. (Cl. 68—32.)



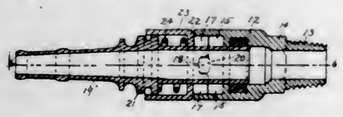
1. In a clothes-wringer, a frame, a pair of rolls mounted in said frame, a pair of standards connected to said frame, helical springs surrounding said standards for pressing said rolls together, a cross arm extending between said standards, a pair of lugs on said cross arm, a pair of spring-engaging members surrounding said standards and pivoted to said lugs, said cross-arm being provided with cam surfaces in contact with stationary means on said standards whereby on movement of said cross arm about its pivots in one direction, said springs will be suddenly released, said springs being adapted to be restored to their original condition by moving said cross arm in the opposite direction.

1,507,229. STAKE POCKET FOR VEHICLES. LEWIS W. HOSLEY, East Cleveland, Ohio, assignor to The Cleveland Hardware Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 22, 1922. Serial No. 545,745. 2 Claims. (Cl. 296—43.)



1. A stake pocket comprising a substantially U-shaped body having laterally projecting flanges with marginal beads formed along the top and bottom thereof, and a backing plate lying against said flanges and having portions folded over the flanges between the beads, and bolt holes formed through the overlapping portions of the flanges and backing plate.

1,507,230. HOSE COUPLING. CHARLES A. CLAFLIN, Medford, Mass. Filed July 29, 1920. Serial No. 399,732. 3 Claims. (Cl. 285—176.)



1. A hose-coupling comprising a tubular female member having an annular end face, a bore enlargement spaced from the end face by segmental ribs, whose ends are spaced apart to form longitudinal slots extending from the end face to the bore enlargement, the inner sides of said ribs being provided with recesses opening into the enlargement, a tubular male member having an entering portion formed to enter said bore and provided with studs, adapted to be moved forward through

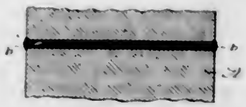
said slots, laterally in said enlargement, and backward into said recesses, and with an enlargement spaced from said studs and forming a spring abutment, a helical spring surrounding the entering portion between the said abutment and studs, and seated at one end on said abutment, and an annular head loosely surrounding the entering portion and interposed between the opposite end of said spring and the said studs, said head having at the end adjacent the female member a flanged annular portion which, when the coupling is separated, abuts the studs, and which, when the parts are in coupled relation, abuts and extends across the annular end face of the female member for the purpose described.

1,507,231. INTERCHANGEABLE TOOTH. EDWARD P. CRESSLER, Newton, Kans. Filed Jan. 30, 1924. Serial No. 689,517. 5 Claims. (Cl. 32—9.)



1. In combination with a tooth facing formed in its rear side with two holes, a retaining member applied to the tooth facing, a projection on the retaining member seated in one of the holes, a guiding tube projecting rearwardly from the retaining member and disposed in alignment with the other hole, and a fastening pin separate from the retaining member and adapted to be inserted in said guiding tube and seated in the aligned hole.

1,507,232. PROCESS OF IMPREGNATING ARTICLES WITH GUT. JOHN J. CULLINAN, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,825. 9 Claims. (Cl. 144—309.)



1. A solid body having a strand of gut passing therethrough and secured against displacement in the body, one end at least being secured by a heat expanded enlargement substantially flush with the surface of the body.

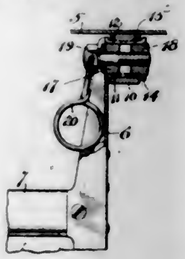
1,507,233. OIL CAN. ALONZO B. ELY, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 28, 1921. Serial No. 503,806. 2 Claims. (Cl. 221—40.)

2. A hand oiler comprising a one-piece sheet metal can body of sufficient rigidity to prevent distortion in the hands of a user, said body being of cylindrical form in transverse section from its upper end to a point adjacent its lower end and having an integral inwardly extending annular flange at its upper end overhanging the interior of the body, the lower end portion of the body having a permanent wedge formation and being wider transversely of the body in one direction than the diameter of the upper portion of the body, said body being provided at its upper end with external screw threads, a closure cap for the upper end of the body having a thick top wall provided with a central socket in its under face, said cap having a deep cylindrical skirt portion embracing the upper end of the can body and provided with internal screw threads complementary to the threads on the body, a thick packing disk abutting against the under face of the top wall of the cap and adapted to seat against the upper face of the can body flange, a plurality of the uppermost screw threads on the skirt portion of the cap being embedded in the periphery of said thick disk, and a dropper rod having a driving fit at its upper end in the socket in the top wall of the cap and passing through said packing disk



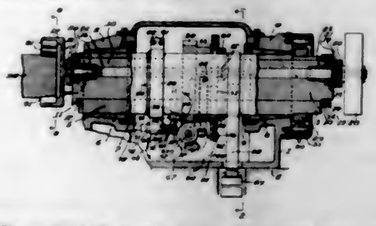
into the can body and adapted to be drawn over the inner edge of the can body flange when the cap is removed from the body.

1,507,234. FRICTION BEARING FOR WIND AND RAIN SHIELDS AND OTHER DEVICES. SANFORD EVANS, Westport, Conn., assignor to George F. Miles, New York, N. Y. Filed Jan. 26, 1923. Serial No. 615,035. 6 Claims. (Cl. 296—92.)



1. In a device of the character described, a support, a movable member, a pivotal connection between said support and said member comprising a ring-like bearing on one of said parts, a sleeve on the other part entering one end of the bore of said bearing, another sleeve entering the other end of the bore of said bearing, and two co-acting wedges operable to expand said sleeves when drawn toward each other, and a single manually operable means to draw said wedges toward each other.

1,507,235. METHOD OF AND MACHINE FOR MILLING TAPERED THREADS. PETER P. G. HALL, Philadelphia, Pa. Filed Sept. 22, 1919. Serial No. 325,399. 30 Claims. (Cl. 10—154.)

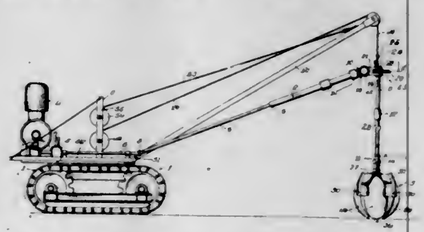


3. The combination of a tapered cutting tool, means to rotate said cutting tool about its axis, automatically operated means to cause said cutting tool to move towards the work operated upon to cause said cutter to

enter the work for cutting the threads, automatically controlled means to limit said movement at the proper depth for the threads, automatically operated means to effect a helical movement of said cutting tool relative to said work, automatically operated means to simultaneously cause movement of said cutter radially to the axis of said work and automatic means to withdraw said tool from said work and to effect a reverse helical movement of said tool to initial starting position.

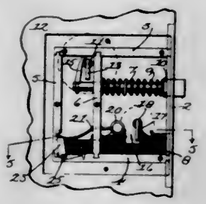
19. In thread milling mechanism the combination with a cutter adapted to mill a thread on a piece of work, of means for stationarily holding the work in position to be acted upon by the cutter, means for rotating the cutter, means for automatically feeding the cutter into the work at the initiation of the cutting operation for a distance to produce the required depth of thread, means for imparting to the cutter while rotating a planetary movement about and a linear movement with respect to the work, means for automatically gradually moving the cutter transversely with respect to the axis of the work to produce a tapered thread thereon, and means for automatically disengaging the cutter from the work upon the completion of the thread.

1,507,236. EARTH-BORING MACHINE. JOHN M. HUMISTON, Berwyn, Ill. Filed Jan. 14, 1921. Serial No. 437,278. 15 Claims. (Cl. 255—19.)



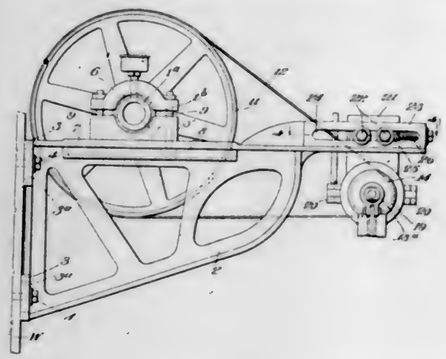
1. An earth boring device, comprising a traveling support having a rotary power crane mounted thereon, in combination with an earth auger carried by said crane, and transmission means operatively connecting said auger to the crane power source and manual means to control the application of power to the auger for driving same and to the crane for lifting and swinging the anger, said transmission means including a power shaft supported swingingly and having at one end a universal joint connection and at its opposite end adjacent to the auger a system of gearing.

1,507,237. LOCK. IGNATZ JOZEFOWICZ, Kenosha, Wis. Filed May 3, 1920. Serial No. 378,391. 1 Claim. (Cl. 70—29.)



In a lock of the class described including a frame and a cover plate provided with a plurality of screws securing said plate in position, a slidable bolt provided with a seat in its upper edge, and a recess adapted to receive the bit of a key, a spring resting on said seat secured to said frame and exerting frictional pressure upon the upper edge of said bolt, a lock member or stop pivotally secured to said frame, a shaft on which said stop is mounted allowing a movement of said member against said bolt and holding said bolt in its locked position, said shaft simulating in appearance and relative position said screws to cause its function to be concealed, a latch slidably mounted in said frame above said bolt, a lug carried by said latch, a knob-spindle and a lug pivotally secured on said knob-spindle adapted to operate said latch.

1,507,238. BELT-TIGHTENING DEVICE. HENRY KOCOUREK, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 5, 1919, Serial No. 294,828. Divided and this application filed Feb. 12, 1920, Serial No. 358,236. Renewed Apr. 30, 1923. 5 Claims. (Cl. 64—52.)



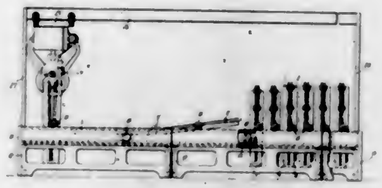
1. In combination with a line shaft, a driving pulley thereon and a fixed support adjacent the shaft, a bearing for said shaft and a bracket to carry said bearing adjacent the driving pulley adapted to be mounted on said fixed support, and having a surface transverse to the mounting surface of such support, with means securing said bearing on said surface of the bracket with capacity for adjustment of the bearing toward and from the together with a driven pulley aligned with the driving pulley and bearing means comprising the sole support of such driven pulley carried by said bracket with capacity for adjustment of the pulley axis toward and from the line shaft bearing on said bracket.

1,507,239. COMPOSITE COLOR PROCESS FOR PRINTING PICTURES. MALVIN LICHTER, New York, N. Y., assignor to Malvin Lichter and Louis Jacobs, Partners, trading as Stickless Fan Company, New York, N. Y. Filed June 19, 1923. Serial No. 646,294. 7 Claims. (Cl. 41—41.5.)



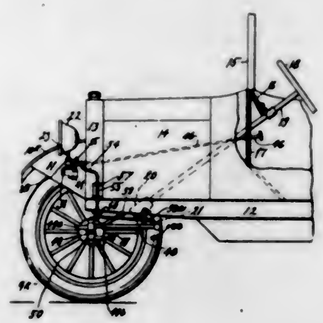
1. The method herein described of producing copies of pictures printed in colors and improving the shading of said copies, which consists in taking a picture printed in colors, improving the shading of said picture by working upon the same by hand, and then producing, by aid of the half tone color process, copies of the original picture as a whole.

1,507,240. TIRE-TREATING APPARATUS. HECTOR V. LOUGH, Hartford, Conn., assignor to The Hartford Rubber Works Company, Hartford, Conn., a Corporation of Connecticut. Filed May 29, 1923. Serial No. 642,269. 5 Claims. (Cl. 18—2.)



2. An apparatus for treating tires comprising, in combination, a plurality of hinged sectional molds, means for supporting the sections of said hinged molds permitting them to be opened book-fashion, said means including rollers sustaining the respective mold sections at opposite sides of each, and runways for said rollers.

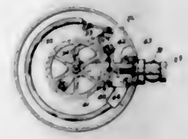
1,507,241. HEADLIGHT CONTROL FOR AUTOMOBILES. ANTON MATTSON, Minneapolis, and FRED L. DOUD, St. Paul, Minn. Filed Apr. 3, 1923. Serial No. 629,595. 2 Claims. (Cl. 240—61.)



1. In combination a pair of headlights each mounted for vertical and horizontal swinging movement, a T-shaped horizontally disposed bracket for supporting each lamp one arm of each bracket extending rearwardly, operative connection between said arms, a vertically disposed shaft on each bracket rotatably mounted in a vertically tiltable housing, means for simultaneously tilting said housings and the lamps supported thereon, means involving a vertically tiltable link pivoted on the T-shaped member for turning the lamps horizontally, operative connection between said link and the steering mechanism of an automobile for turning the lamps in accordance with the steering wheels of the automobile.

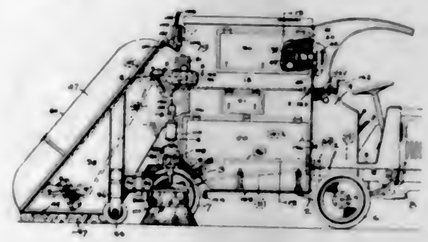
1,507,242. DEVICE FOR WEIGHING THE LOAD ON VEHICLE WHEELS. JOSEPH B. MERIAM, Cleveland, Ohio. Filed Oct. 14, 1920. Serial No. 417,000. 14 Claims. (Cl. 265—47.)

1. In a scale, the combination with a portable platform having a low height and having lateral dimensions for permitting only one wheel of a truck to be driven thereon at one time, said platform having a yielding wall, a ramp associated with the platform and disposed



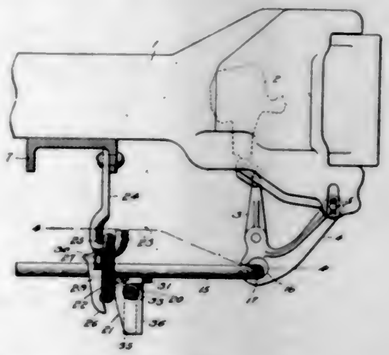
in front thereof, an indicator disposed at the side of the platform, and means for communicating motion from the yielding wall to the indicator.

1,507,243. STREET SWEEPER. FRED H. MEYER, Oakland, Calif. Filed May 18, 1922. Serial No. 561,835. 2 Claims. (Cl. 15—11.)



2. In a device of the character described, means for securing a sweeper housing to an automotive vehicle, comprising brackets on said sweeper housing and vehicle body; complemental guideways formed on each of said respective brackets; and a common means engaging the complemental guideways to permit a vertical movement of each of said guideways relative to the other.

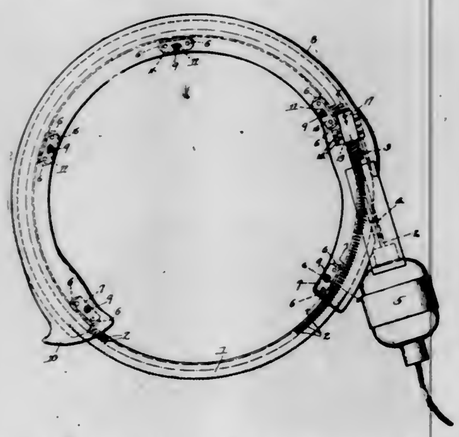
1,507,244. UNCOUPLING MECHANISM. ISAAC H. MILLIKEN, Aspinwall, and WILLIAM J. REGAN, Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 10, 1922. Serial No. 574,022. 9 Claims. (Cl. 213—166.)



1. In an uncoupling mechanism, the combination with a car coupler and its lock, of means for moving said lock to unlocked position, said means involving a vertically rotatable member operatively connected to said lock, means supportingly engaging and adapted to actu-

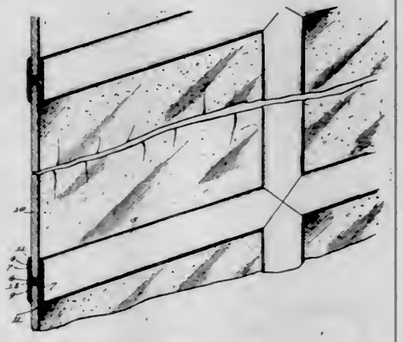
ate said rotatable member, and an inverted bail for pivotally supporting said actuating means, said actuating means being provided with a plurality of spaced hooks disposed on opposite sides of said rotatable member and forming pivotal bearings for said bail.

1,507,245. PORTABLE POWER SAW. FRANK J. XANKIVELL, New York, N. Y. Filed Feb. 16, 1922. Serial No. 537,071. 7 Claims. (Cl. 193—44.)



1. A portable saw comprising in combination, an annular saw blade formed with spaced radial slots, and a motor driven worm directly meshing with said radial slots.

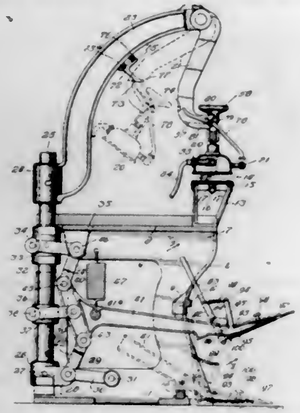
1,507,246. GAME. JOHN R. NAYLOR and ALBERT CLARK, Akron, Ohio. Filed Apr. 8, 1924. Serial No. 704,947. 3 Claims. (Cl. 189—77.)



1. A came for glass panes having a web, oppositely disposed flanges projecting from the edges of the web and channel bars mounted between said flanges the edges of said flanges being bent over the edges of said bars.

1,507,247. CONTROL DETENT. GEORGE NELSON, Chicago, Ill., assignor to Joseph Saltzman, Chicago, Ill. Filed Sept. 25, 1922. Serial No. 590,354. 6 Claims. (Cl. 74—81.)

1. In a machine comprising a movable element, the combination of mechanism engaging said element and operating, when actuated, to move the latter in one direction, means presenting yielding resistance to the movement of said element by said mechanism, and means releasably holding said element against return by said first-named means, said last-named means being formed of a member adapted when in one position to engage a relatively stationary part of the machine and hold said element against return by said first-named means,



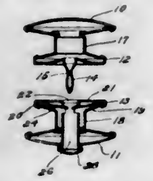
and when moved to another position disengage therefrom to permit said element to return under the action of said first-named means, and a member having yielding operative engagement with said first-referred-to member for actuating the latter.

1,507,248. LAWN-MOWER-SHARPENING DEVICE. NELS A. NELSON, Minneapolis, Minn. Filed May 2, 1923. Serial No. 636,132. 2 Claims. (Cl. 51—250.)



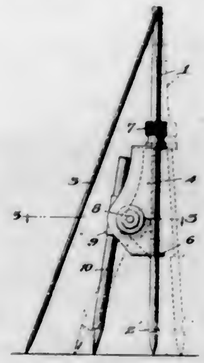
1. A sharpening attachment for the cutters on the revoluble cutter head of a lawn mower comprising a strip of material having spaced means disposed transversely thereof adapted to hook over the forward edge of the cutter bar of the lawn mower and seat thereon at its forward edge, resilient means engaging said cutter bar and supporting the rear portion of said strip, the top surface of said strip being formed of abrasive material and disposed in a plane intersecting the path of movement of the cutters.

1,507,249. SEPARABLE CUFF BUTTON. WILLARD A. ORMSBEE, Taunton, Mass., assignor to Taunton Pearl Works, Incorporated, Taunton, Mass., a Corporation of Maine. Filed Aug. 4, 1923. Serial No. 655,599. 4 Claims. (Cl. 24—110.)



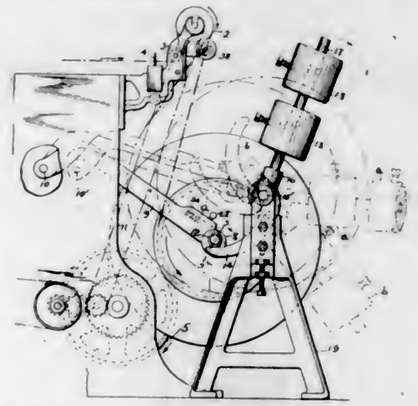
1. A separable cuff button comprising cooperating independent button members, each having an outer head and a flanged inner head, one of said members having a stud and the other a socket to receive said stud, a pair of transversely arranged resilient fingers extending inwardly to grip the stud, and means to lift said fingers out of their normal plane to spread positively their gripping ends and release the stud.

1,507,250. COMPASS. WILLIAM S. OVERLIN, Portland, Oreg. Filed Jan. 10, 1923. Serial No. 611,739. 3 Claims. (Cl. 33—27.)



1. A compass comprising a center rod, divergent supporting legs pivoted to the upper end of said rod, a sleeve freely slidable and rotatable on said rod below the point of connection of said legs, and a clamp pivoted on said sleeve and adapted to adjustably hold a marking implement.

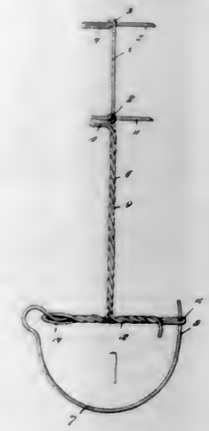
1,507,251. WARPER FOR BEAM DYEING. ALPHONSE R. PERRIN, Westbrook, Me. Filed Dec. 23, 1922. Serial No. 608,755. 4 Claims. (Cl. 28—39.)



1. In a warping machine for beam dyeing, the combination of a warp beam, a driving cylinder on which said beam rests, a pivoted lever having a counter-weighted arm extending outwardly on one side of the pivotal point and a lifting arm extending on the opposite side of said pivotal point for exerting a lifting force on the warp beam and so formed as to shift the lifting force of said lever to approach the fulcrum of said lever as the warp builds up.

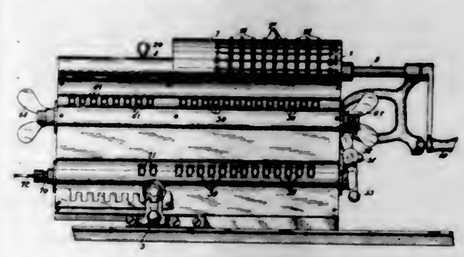
1,507,252. HANGER. DAVID E. SCHRAEDLY, Mansfield, Ohio. Filed Mar. 13, 1924. Serial No. 699,037. 2 Claims. (Cl. 108—29.)

1. A hanger of the class described, comprising a pair of elongated wires, one of said wires having the intermediate portion thereof provided with a loop, the upper end of said wire being disposed outwardly to provide attaching arms, the other wire having its upper end disposed outwardly in the same direction as the before-mentioned attaching arm, and adapted to extend through said loop, and forming an additional attaching arm, the body portions of said wires being inter-twisted and



having the lower ends thereof disposed outwardly in opposite directions and adapted to conform with the shape of the article to be supported thereby.

1,507,253. CALCULATING MACHINE. ERNST SCHUSTER, Berlin, Germany. Filed May 20, 1924. Serial No. 714,729. 3 Claims. (Cl. 235—73.)

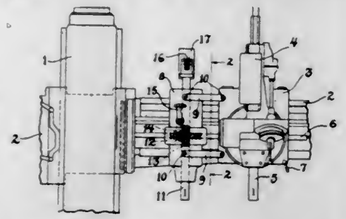


1. A calculating machine, comprising, in combination, two counting mechanisms, of which either is adapted to operate independent from the other; an adjusting mechanism common for both said counting mechanisms; a reversing gear forming an intermediary motion-transmitting means between one of the counting mechanisms and said adjusting mechanism; a rotary guide-member forming the means, by the rotation of which said reversing gear is reversed, the arrangement being such that the shafts of the cog-wheels located between the cog-wheels driven by the said adjusting mechanism and the cog-wheels meshing with the wheels of the counting mechanisms are adapted to be shifted in opposite directions, substantially and for the purpose as described.

1,507,254. AUXILIARY SPINDLE AND HEAD FOR RADIAL DRILLS. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 30, 1922. Serial No. 532,670. 8 Claims. (Cl. 29—26.)

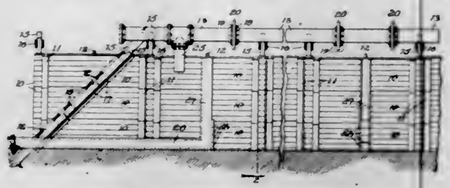
1. A drilling machine comprising the combination of an arm provided with horizontal guideways thereon, a shaft extending longitudinally of the arm, a saddle supported by the guideways and movable therealong, a drill spindle mounted on the saddle and operatively connected to the shaft, an auxiliary head mounted to slide on the

guideways at one side of the saddle, a spindle mounted in the auxiliary head, means operatively connecting the last named spindle to the shaft, and means for optionally securing the auxiliary head to the saddle.



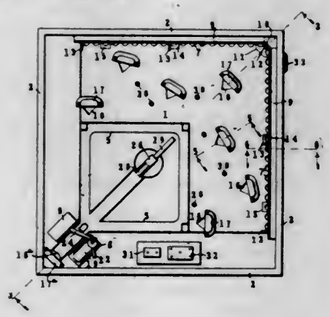
5. A radial drill comprising the combination of a vertical column, an arm mounted thereon and provided with horizontal guideways, a shaft extending longitudinally of the arm, a saddle supported by the guideways and movable therealong, a drill spindle mounted on the saddle and operatively connected to the shaft, an auxiliary head mounted to slide on the guideways between the column and saddle, a spindle mounted in the auxiliary head, means operatively connecting the last named spindle to the shaft, and means for optionally securing the auxiliary head to the saddle.

1,507,255. METHOD OF BUILDING DYKES. JACOB R. SENSIBAR, Chicago, Ill. Filed Mar. 25, 1921. Serial No. 455,475. 4 Claims. (Cl. 61—30.)



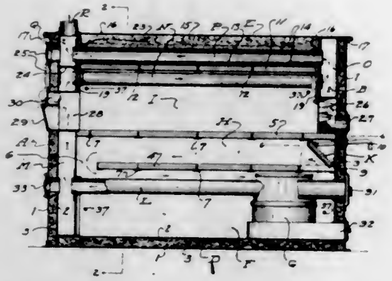
1. The method of forming a dyke consisting of placing upon the ground a form conforming to the desired configuration of the dyke, pumping a mixture of water and solid matter into said form at a plurality of points along its length, the heavier solid matter being deposited at one end of the form and lighter solid matter at the other, draining off the water, leaving the solid matter in said form and removing said form.

1,507,256. GAME. JAMES EDWARD SEVERE, Brooklyn, N. Y. Filed Dec. 15, 1922. Serial No. 607,040. 4 Claims. (Cl. 46—61.)



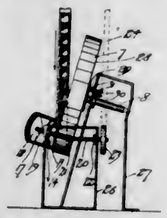
2. A game comprising a board having thereon the representation of a baseball field, an adjustable striker at the home plate, an adjustable ball propelling device at the pitcher's plate, and a series of contiguous scoring pockets covering substantially the entire playing angle at the sides of the board remote from the striker, and hazards at substantially the positions of the opposing players.

1,507,257. BAKER'S OVEN. CHARLES S. SHARP, Boonton, N. J. Filed June 1, 1921. Serial No. 474,179. 2 Claims. (Cl. 107—62.)



2. A baker's oven comprising a casing having a baking chamber and a heat chamber separated by a partition of high heat conductivity, said partition forming the bottom of said baking chamber and the top of said heat chamber, a heat radiating furnace arranged in said heat chamber adjacent one end thereof so that the heat radiated from said furnace is confined in said heat chamber to heat the bottom of said baking chamber, a second partition disposed between said furnace and said first-mentioned partition in spaced relation to the latter and having openings at its ends, means for opening and closing one of said openings to control circulation of said radiant heat between said first-mentioned and said second-mentioned partitions, and flues passing through said baking chamber adjacent the top thereof to conduct combustion gases from said furnace and heat the top of said baking chamber.

1,507,258. WINDING OF CINEMATOGRAPH FILMS AND THE LIKE. ALBERT EDWARD SHIRLOW, Glenhuntly (near Melbourne), and THOMAS BARTLETT MCDIARMID, Melbourne, Australia. Filed Aug. 19, 1922. Serial No. 582,906. 8 Claims. (Cl. 88—18.7.)

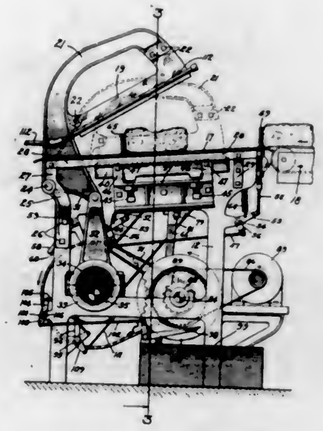


1. Means for winding cinematograph films and the like comprising a film-feeding spool, a rotating film receiving drum, and a band arranged within and against the inner circumferential surface of the drum and having angular abutting edges for receiving the title end of the film after same has passed through the gate of the projector.

1,507,259. MEAT-CUTTING MACHINE. THOMAS A. SMITH, Austin, Minn., assignor to George A. Hormel & Company, Austin, Minn., a Corporation of Minnesota. Filed Aug. 20, 1923. Serial No. 658,340. 22 Claims. (Cl. 146—146.)

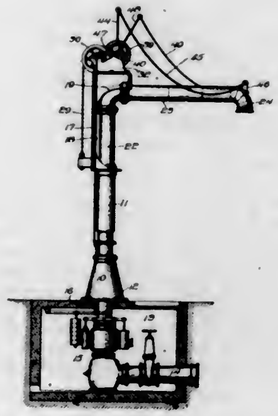
1. A meat-cutting machine comprising a frame, a table thereon adapted to receive the meat to be cut, an arm mounted to swing in a vertical plane above said table,

a knife carried by said arm and having a cutting edge which diverges from the plane of said table whereby the knife will enter the meat at an angle to the surface there-



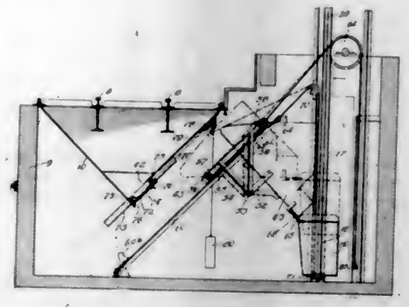
of said table having an opening therein through which the knife blade passes, a fibrous stop beneath said opening to receive the edge of the knife, and mechanism for operating said arm and knife.

1,507,260. WATER CRANE. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1920. Serial No. 411,132. 12 Claims. (Cl. 137—21.)



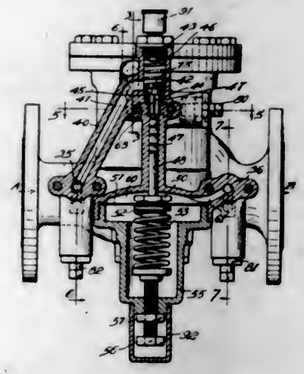
1. A water-crane formed with an upright water-conducting portion formed of lengthwise telescoping sections, counterbalancing means for said upper seciton constructed and arranged to raise said upper section upon releasing the latter after depressing it, and mechanism, involving relatively movable parts, for forcing said upper section downwardly against the resistance of said counterbalancing means.

1,507,261. MATERIAL-ELEVATING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1922. Serial No. 597,326. 21 Claims. (Cl. 214—125.)



1. In material-elevating apparatus, the combination of a hopper for the material to be elevated, an upwardly traveling carriage, a receptacle for receiving and elevating material from said hopper and mounted on said carriage to move thereon into a position in which its contents may discharge therefrom, a movable element into which said receptacle discharges, and means operating responsive to the movement of said element for effecting movement of said receptacle on said carriage to a position in which its contents may discharge.

1,507,262. REDUCING VALVE. GEORGE A. SNYDER, Fostoria, Ohio. Filed Dec. 5, 1921. Serial No. 519,947. 22 Claims. (Cl. 50—11.)



3. In a reducing valve, a main valve casing, a main valve therein, a pair of auxiliary valves, mounted on the casing, each auxiliary valve adapted to cooperate with said main valve, and other valve means adapted to render said auxiliary valves active or inactive at will.

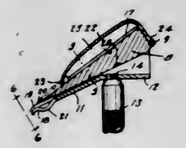
19. In a reducing valve, a main valve casing having a wall dividing the casing into high and low pressure chambers, a valve seat supported by the wall, a valve closure member coacting therewith, a cylinder removably positioned in the low pressure chamber of the valve, a piston therefor, a connecting stem between the piston and valve closure member, a cap on the valve body flanged to maintain the cylinder in rigid relation with the valve body, said cap having an extension formed thereon acting on an aligned extension formed on the piston for limiting movement of the piston.

1,507,263. COMBINED CIGARETTE, MATCH, AND CARTON. JOHN M. SORLIE, Eau Claire, Wis. Filed June 13, 1923. Serial No. 645,077. 2 Claims. (Cl. 131—52.)



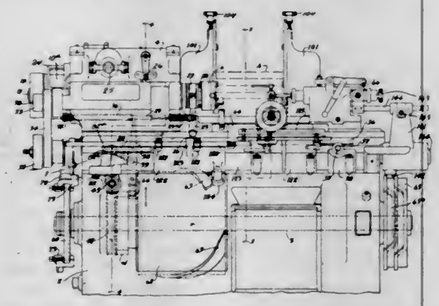
1. An article of manufacture comprising a substantially cylindrical tobacco article adapted to be smoked, the same having a wrapper and a match having its stem disposed inside of and secured to said wrapper.

1,507,264. SAFETY RAZOR. WALTER M. STEVENSON, Seattle, Wash. Filed Nov. 14, 1922. Serial No. 600,843. 1 Claim. (Cl. 20—12.)



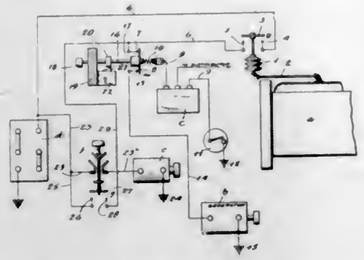
A safety razor embodying a blade holder formed of a base plate, a handle on said base plate, a downwardly bent portion at the rear of said base plate, tooth-like guard members at the front of said base plate, upwardly projecting end members at the ends of said base plate, tapered channels formed in said upwardly projecting end members, a triangular blade arranged to be inserted within said tapered channels, a cover plate, a downwardly bent forward edge on said cover plate arranged to rest on said blade, a downwardly bent rear edge on said cover plate arranged to fit over the rear edge of said blade, downwardly bent ends on said cover plate arranged to fit over the upwardly projecting end members of said base plate, and snap means for releasably securing said cover plate to said base plate.

1,507,265. AUTOMATIC LATHE. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 17, 1920, Serial No. 381,945. Renewed Jan. 8, 1924. 14 Claims. (Cl. 82—2.)



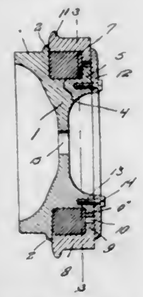
1. An automatic lathe comprising in combination, a base, attaching means extending along said base, a tool carriage operating slide on said attaching means, and a support for a taper attachment detachably mounted on said attaching means.

1,507,266. IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES. GEORGE H. WHITTINGHAM, Baltimore, Md. Filed June 4, 1923. Serial No. 643,302. 5 Claims. (Cl. 290—37.)



1. In an ignition system for internal combustion engines, a battery, a generator, a spark coil, circuits leading from the battery and generator, a normally closed stopping switch connecting said circuits together and to the coil, and a normally open switch in the battery circuit adapted to be closed by the operation of the engine.

1,507,267. CAR WHEEL. FRANCK AGNICHEK, Chicago, Ill., assignor of one-fourth to Frank Krasel, one-fourth to Joseph Bosch, and one-fourth to Louis I. Gottlieb, all of Chicago, Ill. Filed Apr. 4, 1924. Serial No. 704,200. 3 Claims. (Cl. 295—11.)

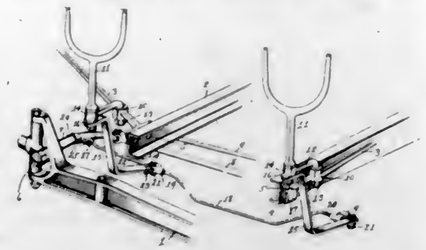


2. A car wheel comprising a body portion, an annular rib formed on the peripheral face thereof adjacent the rear face of the body portion, said body portion having an annular groove formed in the periphery thereof adjacent the front face of the body portion and adjacent the annular rib, the front face of the body portion being cut away around its outer edge to provide an annular flange, a packing ring of flexible material supported in said groove, a tread portion extending around said packing ring and having the front face thereof provided with an annular flange adapted to cooperate with the annular flange on the front face of the body portion, the rear face of the tread portion abutting the annular rib, and means for securing the tread portion on said body portion.

1,507,268. MEANS FOR TURNING AUTOMOBILE HEADLIGHTS. BRUCE G. ANDREWS and HARRY ANDREWS, Yuma, Colo. Filed Jan. 3, 1922, Serial No. 526,699. Renewed Feb. 5, 1924. 1 Claim. (Cl. 240—62.)

Headlight turning means for an automobile which is provided with the usual fender brackets or rods having sockets for the lamp forks, comprising L-shaped brackets each having a leg received in one of the aforesaid sockets and rigidly secured thereto against movement and its other leg provided with a vertically arranged bearing-eye,

the usual lamp supporting brackets or forks having their shanks directly fitting, and rotatably mounted in, said eyes, Z-shaped shifting arms secured to the lower ends of the shanks of said lamp supporting brackets or forks, a cross rod pivotally connected to the shifting arms to cause them to move in unison, a clamp embracing the arm of one of



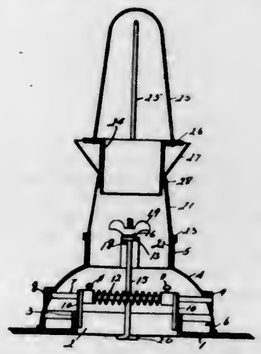
the steering knuckles, said clamp being shiftable to different positions along said arm, and a rod pivotally connecting the clamp to one of the Z-shaped shifting arms for the lamp brackets or forks, whereby movements of the arm of said steering knuckle are imparted to the shifting arms and lamp brackets or forks to cause the lamp brackets or forks to turn.

1,507,269. ADAPTER FOR SMOKE AND FUME ARRESTERS. GEORGE H. HACKMIRE, Collegeville, Pa. Filed Mar. 4, 1922. Serial No. 541,222. 4 Claims. (Cl. 285—203.)



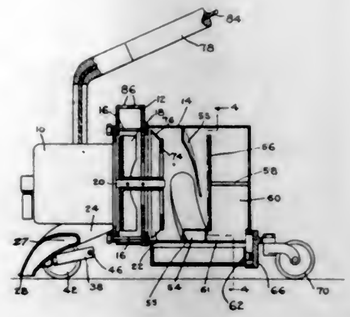
4. As an article of manufacture, an adapter comprising a plate having an opening therethrough, a rib fixed to the lower face thereof and conforming to the contour of said plate, and a plurality of spaced arcuate segmental ribs fixed to the inner face of said plate on two opposite sides of the opening therethrough, any of said ribs coacting with the collar about the smoke outlet of a stove to position the adapted.

1,507,270. FUME ARRESTER. GEORGE H. BACKMIRE, Collegeville, Pa. Filed Jan. 24, 1924. Serial No. 688,161. 8 Claims. (Cl. 126—85.)



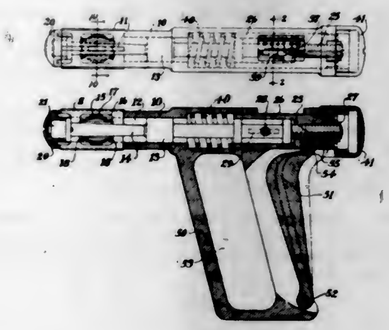
1. A fume arrester comprising an adapter of sufficient dimensions to set over and inclose an outlet flue of a gas range, means for locating and temporarily holding the device in place upon the gas range, and means for clamping the device in final position.

1,507,271. SUCTION CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Sept. 23, 1920. Serial No. 412,282. 5 Claims. (Cl. 183—77.)



1. A suction cleaner for carpets, rugs and the like comprising a fan casing having discharge openings, a fan in said casing, an air cleaner casing attached to said fan casing and connected therewith, means for introducing air into said air cleaner casing, troughlike members helically arranged on the inside of said air cleaner casing to form helical passageways for the incoming air, said troughlike members extending for only a portion of the circumference of said air cleaner casing, and cooperating helical ribs extending for the remainder of the circumference thereof.

1,507,272. INTERNAL-EXPANDING GAUGE. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 10, 1920. Serial No. 395,214. 4 Claims. (Cl. 33—178.)

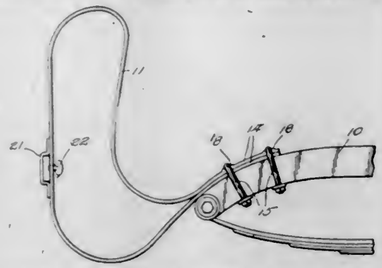


1. A gauge comprising in combination, a body member, gaging members inserted therein, means to move said gaging members into and out of gaging position, and means for holding said gaging members in contact with said moving means, said holding means comprising leaf springs having their central portion engaging said body member and their end portions engaged by said gaging memebrs.

1,507,273. BUMPER. GERALD S. CARRICK, Chicago, Ill. Filed May 26, 1922. Serial No. 563,960. 2 Claims. (Cl. 293—55.)

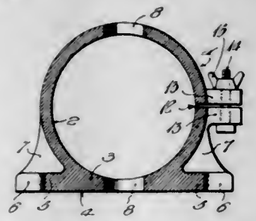
2. A bumper comprising two forked castings adapted to be attached to the ends of the side members of a vehicle,

the forked ends of said castings carrying two parallel horizontal bars, and a plurality of substantially vertically



arranged elongated loops formed of spring steel mounted on said bars, said loops carrying on their forward sides a horizontally arranged bar.

1,507,274. PISTON JIG. ROSS E. CURTIS, Lincoln, Kans. Filed June 9, 1923. Serial No. 644,418. 2 Claims. (Cl. 29—80.)



1. A piston jig for use in applying, removing and reaming piston bushings, said device comprising a body adapted to snugly embrace and sustain the walls of the piston throughout the extent of the latter during bushing applying, removing and reaming operations, said body having openings to aline with the bushing receiving openings in the piston.

1,507,275. WALL-FINISHING MATERIAL. MICHAEL W. DUFFY, Wyoming, Ill. Original application filed May 2, 1921, Serial No. 466,358. Divided and this application filed Apr. 1, 1922. Serial No. 548,857. 2 Claims. (Cl. 91—68.)

2. The method of producing a wall finishing material which consists in treating solid particles of vegetable material to a boiling borax solution, drying the material, and subjecting it to treatment of a coloring matter prior to its application to a wall.

1,507,276. METHOD OF APPLYING STUCCO FINISH TO WALLS. MICHAEL W. DUFFY, Wyoming, Ill. Filed May 2, 1921, Serial No. 466,358. Renewed July 8, 1922. Serial No. 573,634. 9 Claims. (Cl. 91—68.)



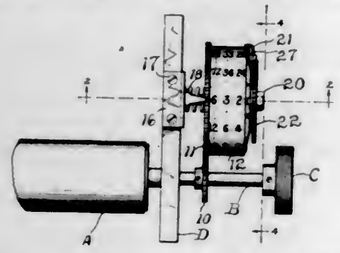
1. The method of forming a stucco finish on wall surfaces which consists in sizing the wall-surface, and applying thereto sawdust or like vegetable material by means of an instrument adapted to having rolling contact with said surface and charged with said material.

1,507,277. BOTTLE-SEAL-CAP LIFTER. JOHN S. DUNLAP, Chicago, Ill. Filed July 28, 1922. Serial No. 578,137. 1 Claim. (Cl. 65—46.)



A bottle cap lifter adapted to remove a bottle cap of ductile material and having a convex upper surface, said lifter comprising a handle-portion equipped at its forward end with a hook adapted to take under the edge of the cap, and a fulcrum-forming projection so located relative to the area of the cap surface as to bear thereon at a point within its marginal edge and within the inner edge of the neck of a glass bottle when said lifter is applied to a cap thereon whereby to prevent the splintering of the bottle neck and consequent lodgment of particles of glass in the bottle contents when pressure is applied to said fulcrum-forming projection, the edge of the lifter between said hook and projection being slightly spaced from the cap and arranged to contact therewith through initial depression of the projection and the forcing downwardly of the convex upper surface of the cap with resulting spreading of its circumferential edge to assist in the tight engagement of said hook under said edge, the edge of the lifter adjacent the projection on the side thereof opposite to the hook being spaced from the cap a greater distance than the first mentioned edge whereby to avoid contact of such edge with the cap in the downward cap-removing movement of the lifter.

1,507,278. ATTACHMENT FOR TYPEWRITERS. FRED EDWARD FANGER, Mexico, Mexico. Filed Aug. 9, 1922. Serial No. 580,591. 5 Claims. (Cl. 197—189.)

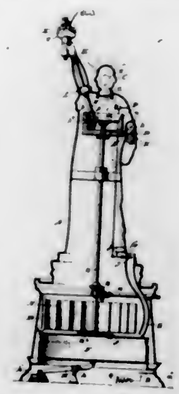


1. A typewriter attachment of the class described including a toothed drive pinion adapted to be revolved with the revolving of the axle of the platen roller, a toothed driven gear element adapted to mesh with said pinion to be driven thereby, a revoluble indicating element in rigid relation with said gear element, presenting at its periphery annular series of symbols indicating varied line spacing, a stud shaft on which said gear element and said revoluble indicating element are loosely mounted for jointly turning about the axis of said shaft, a fixed pointer relatively to which said indicating element revolves, and a spring coiled about said shaft and abutting said revoluble element to maintain the same in position on the shaft with the driven gear element in mesh with the drive pinion, said revoluble element and driven gear element being slidable axially on the shaft to disengage the driven element and pinion to permit setting of the attachment.

1,507,279. SIGNALING MEANS FOR TOY BANKS AND FOR OTHER PURPOSES. LOUIS GICLAS, Washington, D. C. Filed June 4, 1921. Serial No. 475,075. 10 Claims. (Cl. 46—36.)

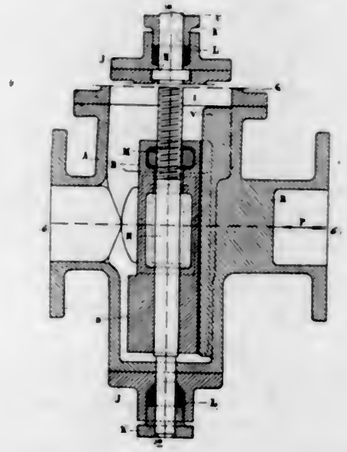
1. A bank of the character described comprising a coin receiver, movable illuminating signaling means, means for illuminating said signaling means, means operatively

associated with said movable illuminating signaling means and coin receiver rendered effective upon an accumulation of coins in the coin receiver for actuating



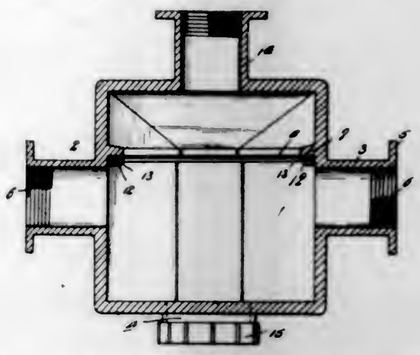
the movable signaling means, and means connected with the signaling means and actuated by the coin receiver for setting in action the illuminating means.

1,507,280. BALANCED SLUICE VALVE. GABRIEL GOMAND, Barcelona, Spain. Filed June 26, 1922. Serial No. 570,981. 3 Claims. (Cl. 251—59.)



1. A balanced sluice valve, comprising a casing provided with an inlet and an outlet for the current; a pair of oppositely-curved delivery channels within the casing leading from the inlet toward the outlet; upper and lower stuffing-boxes mounted in the top and bottom of the casing; a vertically-movable valve in the casing to control communication between said channels and outlet, normally occupying a closed, lower position and receiving directly against its two side faces, when in such position, the up-stream pressure of the currents in said channels; and a vertical operating rod whereon said valve is slidably mounted projecting at opposite ends into said stuffing boxes and having its lower portion reduced to form an annular shoulder which is located between and in spaced relation to the lower face of the valve and the bottom of the casing.

1,507,281. PUMP SEPARATOR. WILLIAM O. GREER, Kentenia, Ky. Filed Mar. 29, 1923. Serial No. 628,621. 1 Claim. (Cl. 210—165.)



A device of the class described comprising a casing, having a pair of inlets at opposite sides thereof, an outlet in one side of said casing, a flange formed in the casing, and extending inwardly from the opposite side between the inlet and the outlet, a vertically arranged screen element having its edges disposed against the flange, a U-shaped clamping strip positioned against the edges of the screen element, fastenings passing through the clamping strip and flange, the bottom walls of the receptacle being inclined, a drain plug at the bottom of the casing, and a removable cover secured to the upper face of said casing.

1,507,282. PAVEMENT. WILLIAM CUSHING HAMMATT, San Francisco, Calif. Filed Apr. 14, 1923. Serial No. 631,999. 1 Claim. (Cl. 94—10.)



A device of the character above described, comprising a pavement slab of concrete composed of mineral aggregate, Portland cement and water in any proportion, separated from the subsoil by a water proof sheet consisting of building paper, roofing felt or any kind of fabric water proof in character before laying or made so in the process of laying by means of asphalt, tar, oil, paint or other water repellent element or compound.

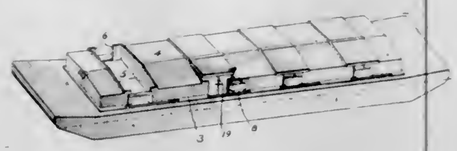
1,507,283. WELL-DIGGING MACHINE. GEORGE WILLIAM HANNA, Sardis, Tenn. Filed May 8, 1923. Serial No. 637,409. 1 Claim. (Cl. 255—63.)



In apparatus of the character described, the digger comprising a cylindrical shell, means for hoisting the shell, grapple rods pivotally mounted within the shell

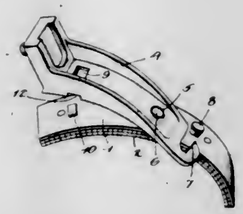
at the upper portion thereof and having angularly disposed upper end portions extending toward the intermediate portion of the shell, springs interposed between the shell and the upper end of the said angularly disposed portion and adapted to normally hold the lower portions of the gripper rod against the inner surface of the shell, a roller located between the angularly disposed portions of the gripper rod, and means operatively connecting the roller with the hoisting means for the shell.

1,507,284. CARGO BOX FOR BARGES. EMIL HENSEN, Coraopolis, Pa. Filed June 9, 1923. Serial No. 644,359. 3 Claims. (Cl. 114—26.)



1. A cargo box for barges including opposite side walls and double sloping roof, a hatchway in the roof extending from wall to wall, opposite doorways in the side walls continuous with the hatchway, and a double hatch for said hatchway the opposite halves of the hatch adapted to swing vertically on the ridge of the roof as an axis and, when raised, while still overhanging the hatchway, affording increased head-room in the doorway.

1,507,285. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Apr. 8, 1924. Serial No. 705,131. 14 Claims. (Cl. 188—249.)



7. A transmission band, a detachable ear pivotally connected therewith, the ear and band being formed with cooperating studs and openings disposed between the pivotal connection and ends of the ear, one opening being in an arc with the pivotal connection as its center and the other having a recess in communication therewith and disposed in an arc with the pivotal connection as its center.

1,507,286. SCISSORS SHARPENER. DAVID W. HOLDZKOM, Longport, N. J. Filed June 8, 1922. Serial No. 566,873. 2 Claims. (Cl. 76—88.)

1. A scissors sharpener formed from a single piece of metal properly shaped and bent to produce converging handle portions, parallel spaced head portions, an ear formed with the side edges of one head portion and adapted to be bent around the edge of the other head portion, and outwardly projecting wings providing bearing surfaces, an inwardly projecting rib produced in one



of the head portions, and a sharpening member located between the head portions and resting upon said rib and being held against endwise movement by the ears.

1,507,287. GARMENT HANGER. JOHN F. HOLLIDAY, Washington, Ind., assignor to Hincher Manufacturing Company of Indiana, Washington, Ind., a Corporation of Indiana. Filed June 6, 1923. Serial No. 643,815. 2 Claims. (Cl. 211—13.)

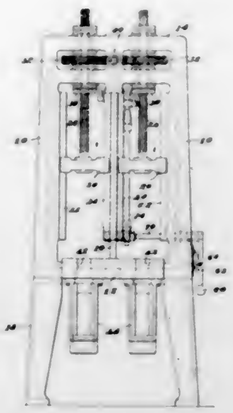


1. In a garment hanger, a rigid wooden body arched upwardly and long enough to support the shoulders of a garment, a metal hanger-hook secured to the middle of the body, and a wire crossing the hook above the body and bent at its ends toward the body and rigidly engaged therewith to form shoulders at places so remote from each other that the neck of a wide necked garment strikes a shoulder on one side before the opposite side slips off of the end of the hanger, the ends being bent at not greater than right angles to the horizontal wire member in the side next to the hook.

1,507,288. BROACHING MACHINE. MATTEO E. INFIORATI, Jr., New London, Conn., assignor to The J. N. Lapointe Company, New London, Conn., a Corporation of Maine. Filed Sept. 12, 1922. Serial No. 587,677. 6 Claims. (Cl. 90—3.)

6. A press adapted for operating push broaches comprising mechanism having two reciprocating press heads, means guiding them each vertically without rotation, a

rotating drive shaft arranged horizontally between them and having intermeshing connection therewith, and a bell crank lever having one end swinging vertically and

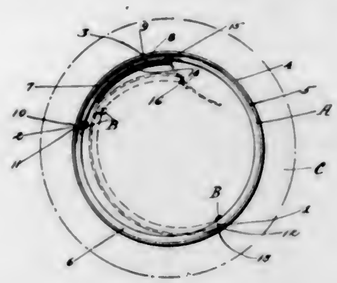


adapted to be controlled by press head movement, and having its other end swinging horizontally and adapted to control driving mechanism of said press heads.

1,507,289. METHOD OF LIQUEFYING GAS. WILLIAM M. JEWELL, Chicago, Ill., assignor to Chlorine Products Company, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1919. Serial No. 296,460. 31 Claims. (Cl. 23—10.)

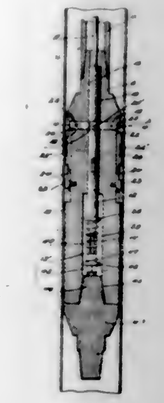
4. The method of liquefying chlorine gas which consists in compressing the gas in the presence of sulphuric acid in finely divided condition to be carried along by the current of gas, and condensing the gas while intermixed with the sulphuric acid.

1,507,290. JOINT LOCKING AND REENFORCING MEANS. EUGENE A. JONES, Los Angeles, Calif., assignor to Richard J. Palmer, Los Angeles, Calif. Filed Jan. 5, 1921. Serial No. 435,236. 3 Claims. (Cl. 301—32.)



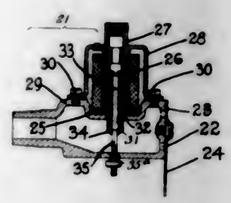
1. A device of the character disclosed, comprising two relatively movable members, and means for maintain end portions thereof in opposed relation and permitting relative movement thereof, the same comprising a part attached to one of said members, and connected with the other of said members so as to permit relative movement between the members; there being a slotted portion of one of said members, and said part extending between the members having a headed end part adapted to be received in said slotted portion in interlocking relation; said headed end portion being hingedly united with said member having said slotted portion at a point remote from an end portion thereof.

1,507,291. COMBINED CASING SPEAR AND COUPLER. JESSIE E. JONES, Bartlesville, Okla. Filed Aug. 20, 1921. Serial No. 493,865. 9 Claims. (Cl. 255—35.)



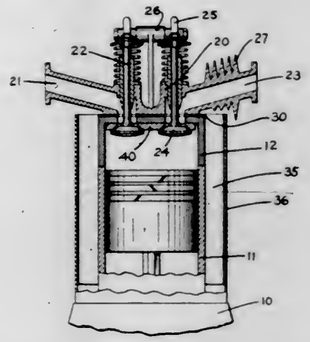
1. In a combined casing spear and coupler, an invertible body provided at both ends with means for attaching supporting members, projectile elements provided with inclined teeth, and means within the body for projecting said elements beyond the contour thereof comprising a plunger and a key, said key adapted to occupy different position with respect to the plunger to vary the force exerted upon said projectile element.

1,507,292. SYSTEM OF GAS CONTROL. CHARLES F. KETTERING and WILLIAM A. CHRYST, Dayton, Ohio, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 3, 1917. Serial No. 146,542. 6 Claims. (Cl. 123—129.)



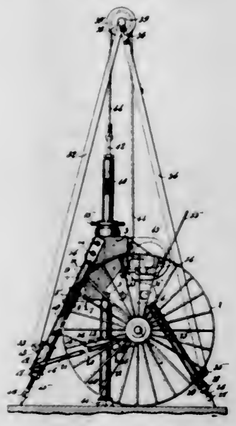
1. In a fuel mixer for internal-combustion engines, the combination with a mixing chamber casing having an air inlet; of a fuel nozzle extending into said casing, and provided with a valve seat; a valve slidable within said nozzle and cooperating with said seat; and an electromagnet surrounding said nozzle and cooperating with said valve.

1,507,293. CYLINDER CONSTRUCTION. CHARLES F. KETTERING and WILLIAM B. EARNSHAW, Dayton, Ohio, assignors, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 11, 1919. Serial No. 344,070. 5 Claims. (Cl. 123—171.)



1. A cylinder for internal-combustion engines, comprising a barrel portion of wear resisting metal; a head portion of a metal which is comparatively a good conductor of heat; and a plurality of cooling elements each associated with the barrel portion and the head portion and in effective thermal contact therewith.

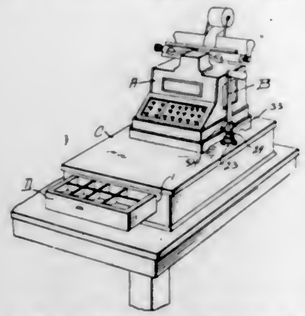
1,507,294. DRILLING MACHINERY. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 20, 1919. Serial No. 298,488. 76 Claims. (Cl. 255—4.)



43. In a drilling apparatus, a drill stem, engaging means therefor, and resilient means for operatively connecting and disconnecting said engaging means with said stem, said resilient means being necessarily completely yielding during both of said operations.

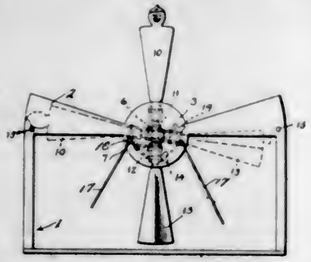
1,507,295. DRAWER-OPERATING MECHANISM. CLIFFORD NADEN, Boise, Idaho. Filed Dec. 1, 1919. Serial No. 341,600. 8 Claims. (Cl. 235—22.)

8. In combination with a structure including a drawer, an adding machine adapted to be removably supported upon the structure and including a casing and an operating handle, a latch for holding the drawer in closed position, and a member engaged directly by the handle



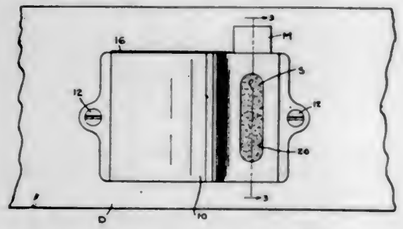
exteriorly of the casing of the mechanism for releasing the latch from the drawer upon movement of said handle.

1,507,296. GAME APPARATUS. AUGUST DUMPE NEWMAN, Cangal, New South Wales, Australia. Filed June 3, 1921. Serial No. 474,668. 3 Claims. (Cl. 46—59.)



1. In a game apparatus, the combination with a frame of open work structure, a disk mounted at the center of said frame, a rigid guard leading from said disk to the sides of said frame, and stops carried by said guard, of a rotatable main shaft journalled in the disk in the rear of said frame, an upstanding target mounted on said shaft and adapted to fold upon said shaft, the longitudinal axis of said target being parallel to the longitudinal axis of said shaft and means fixed to said shaft which when struck will cause said shaft to rock whereby said guard may hide said target.

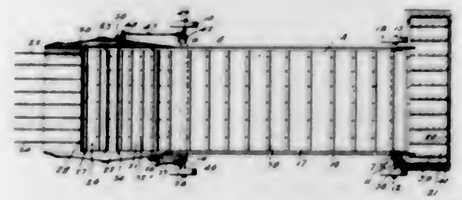
1,507,297. SMOKER'S APPLIANCE. LOUIS A. PRIESS, Minneapolis, Minn., assignor to William L. Minor, Minneapolis, Minn. Filed Dec. 27, 1920. Serial No. 433,197. 1 Claim. (Cl. 206—30.)



A smoker's appliance comprising an integral one-piece casing having a flat vertical wall adapted to be secured to a vertical support, said casing containing two vertically extending compartments open at their upper ends

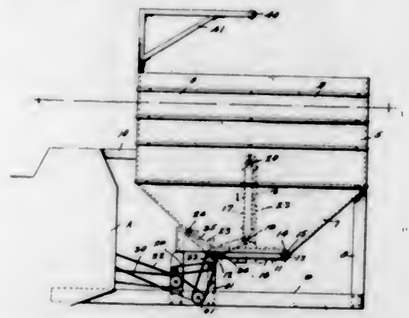
and arranged side by side, one of said compartments being adapted to receive a match box and being provided with an opening for exposing the striking surface of the match box, means in the bottom of said compartment for supporting the inner portion of the match box in raised position relatively to the outer portion thereof, and a cup removably supported in the other of said compartments.

1,507,298. SHOCK LOADER. RUSSELL D. PUGH, Eureka, Kans. Filed Jan. 17, 1923. Serial No. 613,212. 3 Claims. (Cl. 56—357.)



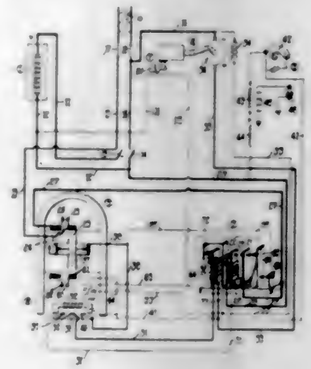
1. In a shock loader comprising a longitudinally extending main frame including front and rear axles and a reach pole connecting the axles, ground wheels mounted upon the axles, a relatively tall rear supporting frame connected with the rear axle and a relatively short supporting frame connected with the front axle, an inclined elevator extending the full length of the main frame and connected with the relatively short and relatively tall supporting frames, a transverse conveyor carried by the relatively tall frame, an animal draft appliance connected directly with the rear axle and disposed under the elevator, and a shock pickup mechanism carried by the forward end of the main frame and disposed in front of the inclined elevator.

1,507,299. SELF-FEEDER. RUSSELL D. PUGH, Eureka, Kans. Filed Jan. 17, 1923. Serial No. 613,213. 1 Claim. (Cl. 130—1.)



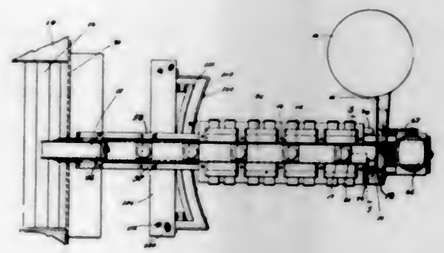
The combination with a grain separator, of a self-feeder therefor including a frame connected with the separator, a hopper carried by the frame having its lower end tapered, a horizontally disposed conveyor belt arranged in the lower end of the hopper, bundle cutting knives disposed in the hopper at one end of the conveyor, a vertically disposed endless belt arranged in the hopper for preventing the clogging up of the bundles therein, and conveyor belts arranged below the hopper at one end thereof for receiving the cut bundles from the first mentioned conveyor and the cutting knives for delivering the same into the separator.

1,507,300. ELECTRICITY GENERATING AND STORAGE SYSTEM. JAMES B. REELOGLE, Detroit, Mich., assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 31, 1920. Serial No. 370,235. 4 Claims. (Cl. 40—30.)



1. An electricity generating and storage system comprising a battery, a hydro-carbon engine, a generator adapted to operate as a motor to crank the engine and to be driven thereby to charge the battery, an electric heater for the fuel passing to the engine, and automatic means for controlling the operation of the generator and engine in accordance with the electrical condition of the battery to maintain the latter within predetermined limits of voltage, means for initiating the operation of the generator to crank the engine when the environment temperature falls to a predetermined minimum and for substantially simultaneously initiating the flow of current to the heater to heat the latter.

1,507,301. LEER CONVEYER. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed June 3, 1922. Serial No. 565,733. 23 Claims. (Cl. 198—31.)

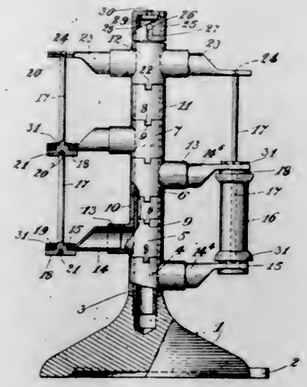


1. In a device of the class described the combination of a bottle machine, a leer, a conveyer comprising sectional carrier plates, each sectional carrier plate being adapted to carry bottles step by step from the bottle machine to the leer and means to operate the bottle machine, the conveyer and the leer, in timed relation.

1,507,302. MULTIPLE SPOOL HOLDER. MILTON ZUBER, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,311. 18 Claims. (Cl. 242—139.)

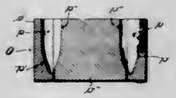
1. In a multiple spool holder, in combination, a vertical support rod, and a plurality of spool brackets mounted

on said rod and extending at an angle thereto, each said bracket having mounting means near its outer end for a



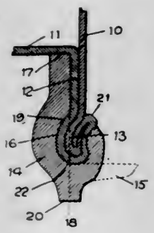
spool, and means to prevent undesired removal of each spool from its support.

1,507,303. SUPPOSITORY-MAKING MACHINE. SAMUEL K. APPLEBAUM, New York, N. Y. Filed May 5, 1923. Serial No. 637,003. 5 Claims. (Cl. 18—16.)



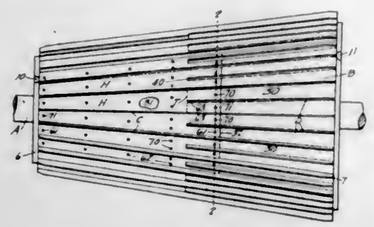
3. An apparatus of the character described, including a mold-block consisting of a plurality of mold-parts, one of which lies within the other and both of which are provided with recesses that are parts of a mold-cavity, the recesses being unequal in volume; a holder for the mold-block; and means for forcing into the mold-cavity therein the material that is to be given shape.

1,507,304. STEEL BARREL. ROBERT S. BLAIR, South Orange, N. J., assignor to Meurer Steel Barrel Company, Inc., a Corporation of New York. Filed Jan. 9, 1919. Serial No. 270,353. 7 Claims. (Cl. 220—73.)



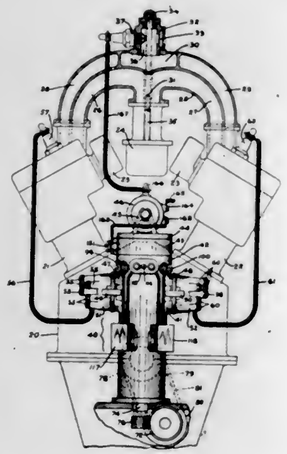
1. In construction for steel barrels and the like, in combination, a body portion, a flanged head portion fitted therein, the edges of said body and flange of said head being formed into a joint of at least four thicknesses of metal, and a heavy annular malleable ring provided with a pair of flanges embracing said joint, the outer surface of said joint being of concave form and the outer flange of said ring being forced into the concavity formed thereby.

1,507,305. BUILT-UP MEMBER FOR PAPER-PULP ENGINES. ARCHER LE ROY BOLTON, North Andover, Mass. Filed Nov. 21, 1923. Serial No. 676,034. 8 Claims. (Cl. 92—27.)



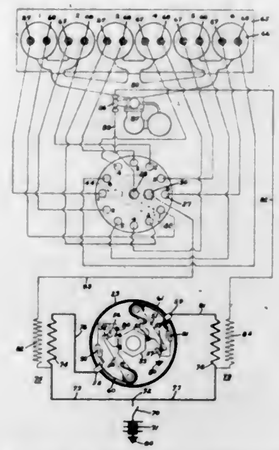
1. The combination in a built up member for paper pulp engines of a metal body having circular cross sections, the centres of such sections forming a straight axial line, with metal bars each of which is disposed in a plane which passes through the axial line and is fastened at one edge to the metal body, wooden supports between adjoining bars and said body, and metal truss plates positioned substantially concentric to the surface of the body which rest on the faces of and are fastened to the wooden supports between adjoining bars medially between their opposite longitudinal edges.

1,507,306. IGNITION SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 22, 1920. Serial No. 367,630. 7 Claims. (Cl. 123—148.)



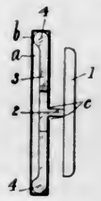
1. In an ignition system for an internal-combustion engine provided with a fuel burner for heating the intake, the combination with a current source; of engine ignition apparatus including an engine controlled circuit interrupter and a housing for the same, and an engine driven cam for intermittently operating said interrupter; and burner ignition apparatus including an engine controlled circuit interrupter, and a housing for the same adapted to be supported by the engine interrupter housing, said burner interrupter having a movable portion projecting into the plane of said cam to be operated thereby.

1,507,307. IGNITION SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 17, 1920. Serial No. 431,435. 5 Claims. (Cl. 123—148.)



1. In an ignition system, the combination with an engine having a plurality of sets of spark plugs and a fuel burner having a spark plug; of a current source; a plurality of ignition coils; means for distributing in recurrent sequence the impulses of one coil to a set of engine spark plugs and for concurrently distributing in recurrent sequence the impulses of another coil to another set of engine spark plugs and to the burner plug; and timing mechanism for so controlling the passage of current to the coils that impulses of substantially equal intensity will be delivered to the sets of engine spark plugs, while the burner plug is being provided with impulses.

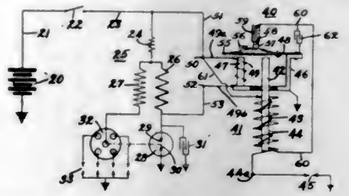
1,507,308. SIGN. THOMAS NELSON EVENS, Saffron Walden, England. Filed Jan. 26, 1924. Serial No. 688,787. 7 Claims. (Cl. 40—140.)



1. A loose letter sign of the kind comprising a grooved base the face of which has a slot opening into the groove and a plurality of characters having stems to which are attached carrying bars adapted to fit into and to be slidable in the groove with the stems extending through the slot, the carrying bars engaging and being held in position through contact with the opposing walls of the grooved base, the said grooves being recessed opposite the slot so that the bottoms of the recesses are spaced away from the carrying bars.

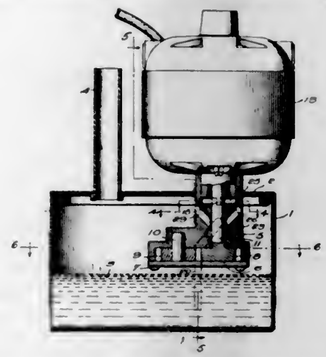
1,507,309. IGNITION SYSTEM. JOHN T. FITZSIMMONS, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 20, 1921. Serial No. 478,786. 16 Claims. (Cl. 123—148.)

1. In an ignition system for internal combustion engines, the combination with a current source; of one or more engine spark plugs; ignition means for said engine plugs including an ignition coil and a timer; another



spark plug for separate ignition purposes; and other ignition means electrically controlled by said timer for supplying ignition periodically for said other plug.

1,507,310. LUBRICATING SYSTEM. FRED G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio, assignors to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 28, 1921. Serial No. 518,346. 2 Claims. (Cl. 230—30.)

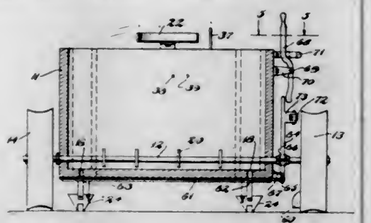


1. The combination with a tank and cover, of a pump casing arranged on the inside of said cover and depending therefrom, a shaft arranged in said casing and projecting through said cover, said tank being adapted to contain a quantity of oil, an inlet pipe connected to the inlet side of said pump and extending through said cover, a branch pipe connected thereto and extending downwardly, said branch pipe being adapted to be submerged in the oil in the bottom of said tank, said pump casing being provided with inclined passages extending from the outlet side of said pump upwardly toward said shaft, said casing being provided with a recess surrounding said shaft and communicating with said inclined passage, and being further provided with a passage extending from said recess outwardly to the exterior of said casing.

1,507,311. CORN PLANTER. JULIUS GOLON, Suffield, Conn. Filed May 7, 1923. Serial No. 637,266. 1 Claim. (Cl. 221—118.)

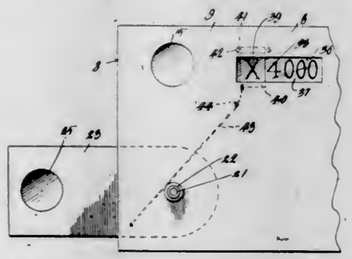
In a corn planter, hoppers for the seed corn and fertilizer, each of said hoppers formed with discharge openings in the bottom, guides secured to the hoppers and depending below the bottom, a plate slidable in said guides in contact with the lower surface of the bottom and formed with openings to register with the discharge openings in the hopper bottoms, a lever connected at one end to said plate and pivotally supported upon the ground wheel axle of the planter, said lever having a lateral offset adapted to be engaged by a projection on one of the ground wheels to move the lever at each revolution of the wheel and thereby move the plate to cause registry of the openings in said plate with the openings in the hopper bottom, a hand lever pivotally

supported upon one of the hoppers and having its lower free end arranged adjacent the upper end of the first mentioned lever, whereby operation of the hand lever



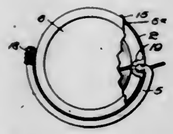
will move the first mentioned lever to a position to hold the lateral projection beyond the influence of the ground wheel, and means whereby the hand lever may be temporarily held in operative position.

1,507,312. CLASSIFICATION BOX. LOGAN H. HOOPER and RICHARD A. MURRAY, Muskogee, Okla. Filed Mar. 31, 1924. Serial No. 703,291. 4 Claims. (Cl. 116—30.)



3. In a locomotive signaling device, an illuminated casing having an opening in the front wall thereof, a transparent plate fitted within said opening having the locomotive number affixed thereto, a flexible curtain carried by the casing and arranged adjacent to the locomotive number having a designating letter affixed thereto, a signaling flag, means for moving the signaling flag into and out of the casing, and a pull cord for operatively connecting the signaling flag with the curtain whereby upon movement of the flag, the curtain will be operated therewith.

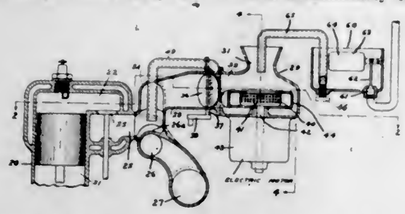
1,507,313. DENTAL FLOSS HOLDER. CHARLES E. HUDSON, Leominster, Mass. Filed Feb. 8, 1923. Serial No. 617,717. 13 Claims. (Cl. 132—92.)



1. A dental floss holder comprising a case, an arm movable thereon permitting withdrawal of the floss from the case and through the inner arm end and also adapted, when swung away from the case, to lock the floss against further withdrawal.

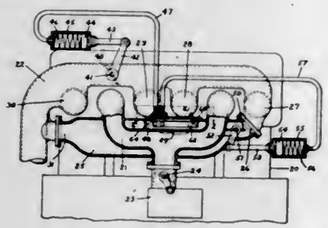
1,507,314. FUEL-DISTRIBUTING SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed June 28, 1920. Serial No. 392,343. 7 Claims. (Cl. 123—126.)

1. In a fuel distributing system for internal-combustion engines, the combination with a multi-cylinder internal-combustion engine having a plurality of intake passages; of fuel comminuting and distributing means including a rotating member throwing off a fuel spray, and compartments adapted to receive substantially equal



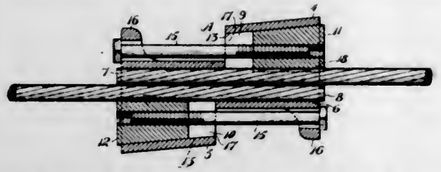
amounts of said fuel spray directly from said member; and separate passages each connecting one of said compartments with an intake passage.

1,507,315. MANIFOLD HEATING SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 16, 1920. Serial No. 410,802. 8 Claims. (Cl. 123—122.)



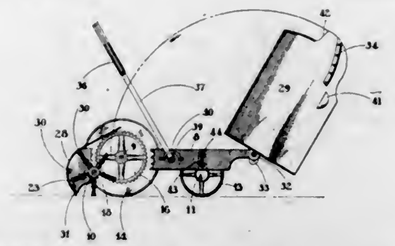
1. In a system of control for intake heaters, the combination with an internal-combustion engine having an intake conduit and an exhaust conduit; of a jacket about said intake conduit; a valve controlling the passage of exhaust gases from said exhaust conduit into said jacket; a suction device in communication with the engine for operating said valve; and temperature responsive means for controlling said suction device.

1,507,316. ROPE CLAMP. JOHN T. KEMPER and CHARLES W. KEMPER, Alameda, Calif. Filed Apr. 20, 1921. Serial No. 462,897. 6 Claims. (Cl. 24—136.)



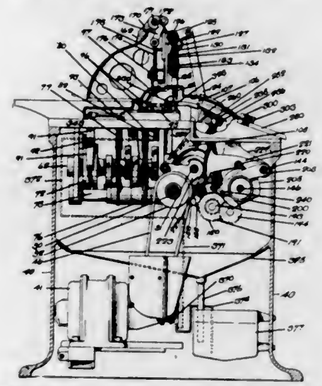
4. A cable clamp comprising a housing having a cable channel formed therein, said channel extending from end to end of the casing and being centrally disposed with relation thereto, a wedge chamber formed at each end of the housing and at opposite sides thereof, each wedge chamber communicating with the cable passage and each wedge chamber being open at its opposite end, a lug formed on each end of the housing and at opposite sides thereof, said lugs being perforated and being in alignment with the open ended wedge receiving chambers, a wedge insertible in each chamber, a threaded passageway formed in each wedge, and a bolt for each wedge, said bolts being insertible through the perforated lugs and adapted to be received by the respective threaded passages in the wedges, said wedge receiving chambers and the wedges received thereby being wider than the cable passage to form guide ledges for the wedges which will limit the movement of the wedges toward the cables.

1,507,317. LAWN SWEEPER. ERNESTE E. LABERGE, Rockliffe, Ontario, Canada. Filed Sept. 26, 1922, Serial No. 590,717. Renewed Feb. 1, 1924. 1 Claim. (Cl. 15—79.)



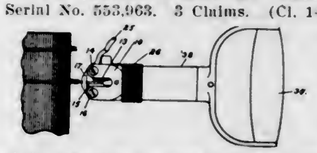
A sweeping machine of the character described constituting a wheel supporting frame, drive wheels carried by the said frame, a sweeping and elevating rotor, means rotating the said rotor by the rotation of the said drive wheels, a hingedly mounted container carried by the frame, means for directing the grass and foreign matter swept up by the said rotor into the said receptacle, a deflector mounted in the container, and a flexible lip carried by the said deflector, directing means adapted to prevent dust and foreign matter passing under the forward end of the said machine, and to enhance the suction of the rotor.

1,507,318. MACHINE FOR FOLDING SHEET MATERIAL. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 20, 1921. Serial No. 478,793. 123 Claims. (Cl. 153—2.)



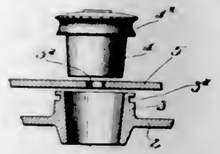
1. A machine for folding sheet material comprising a matrix; a ram; means for moving the ram toward the matrix; and means carried by the ram for measuring the amount of material to be supplied to the ram and matrix to form a fold.

1,507,319. TOOL. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 553,963. 3 Claims. (Cl. 140—119.)



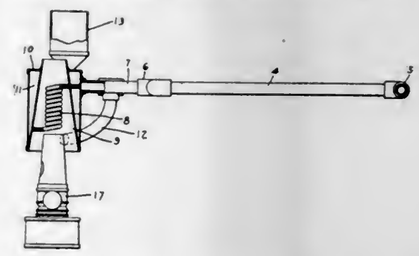
1. A tool for twisting or untwisting wire ends, comprising means for gripping the wire ends, said means having a shank rigidly connected thereto and carrying a ratchet, a sleeve loosely mounted upon said shank to enable support and guidance of the tool, a handle for rotating said shank and revolubly mounted thereon, a sleeve attached to said handle and enclosing said shank and its ratchet, and pawl mechanism within the last-mentioned sleeve adapted to coact with said ratchet to prevent rotation of the handle in but one direction.

1,507,320. BATTERY-TERMINAL PROTECTOR. WILLIAM A. MACKENZIE, Long Beach, Calif. Filed Sept. 7, 1923. Serial No. 661,505. 7 Claims. (Cl. 204—28.)



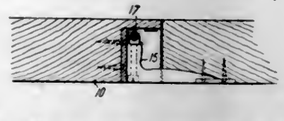
1. A protector for upper portions of storage batteries, said protector consisting of a device applicable to a plug seat forming a part of the battery and which device is adapted to cover a joint between an inserted plug and its seat to prevent leakage.

1,507,321. HEATING SYSTEM FOR INCUBATORS. CHARLES A. MILTON, Kokomo, Ind. Filed Mar. 29, 1922. Serial No. 547,815. 2 Claims. (Cl. 237—15.)



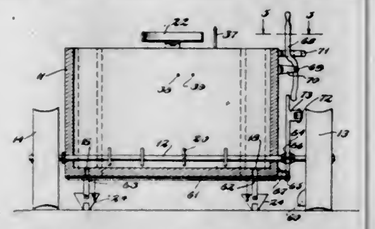
1. A heater for incubators comprising a boiler having a cylindrical outer wall and a tapered inner wall forming a flue, an outlet for hot water in the side of the boiler adjacent the top thereof, an inlet for cold water in the side of the boiler adjacent the bottom thereof, a coil in said flue having one end in communication with the lower portion of said boiler and having its other end projecting through the walls of said boiler and forming communication with said outlet, and means for heating the water in the coil, substantially as set forth.

1,507,322. HINGE FOR VEHICLE DOORS. WALTER MORRIS, Dulwich Hill, near Sydney, New South Wales, Australia, assignor to C. W. Elliott Limited, St. Peters, near Sydney, Australia. Filed Jan. 6, 1922. Serial No. 527,303. 3 Claims. (Cl. 16—135.)



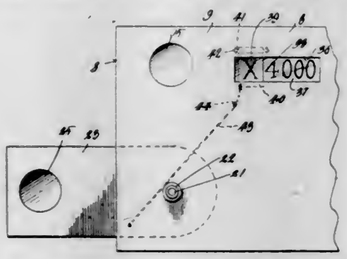
1. A concealed door hinge comprising in combination a recessed leaf adapted to be mounted in a cavity in the door post, said leaf formed with an open side and front and being closed elsewhere, and having a pintle pin mounted in the recess, a T-stem extending laterally from said pintle, and a crank leaf having a flat butt plate adapted to be secured to the inner face of the

supported upon one of the hoppers and having its lower free end arranged adjacent the upper end of the first mentioned lever, whereby operation of the hand lever



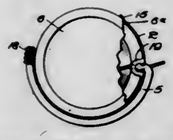
will move the first mentioned lever to a position to hold the lateral projection beyond the influence of the ground wheel, and means whereby the hand lever may be temporarily held in operative position.

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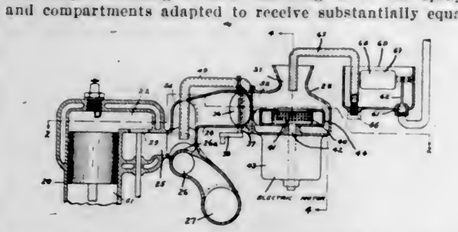
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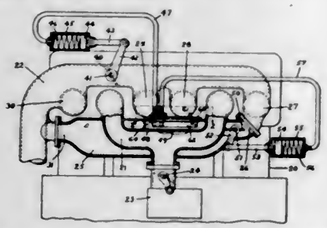
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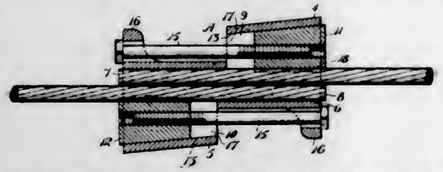
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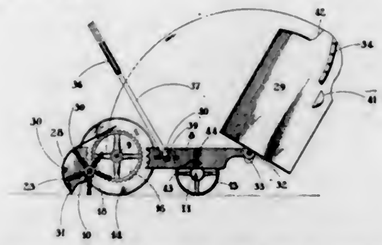
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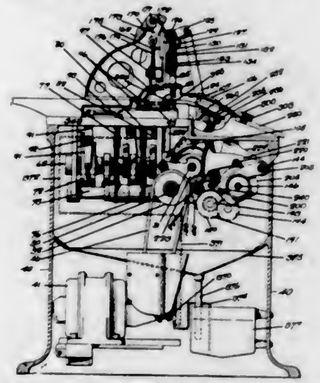
4. A cable clamp comprising a housing having a cable channel formed therein, said channel extending from end to end of the casing and being centrally disposed with relation thereto, a wedge chamber formed at each end of the housing and at opposite sides thereof, each wedge chamber communicating with the cable passage and each wedge chamber being open at its opposite end, a lug formed on each end of the housing and at opposite sides thereof, said lugs being perforated and being in alignment with the open ended wedge receiving chambers, a wedge insertible in each chamber, a threaded passageway formed in each wedge, and a bolt for each wedge, said bolts being insertible through the perforated lugs and adapted to be received by the respective threaded passages in the wedges, said wedge receiving chambers and the wedges received thereby being wider than the cable passage to form guide ledges for the wedges which will limit the movement of the wedges toward the cables.

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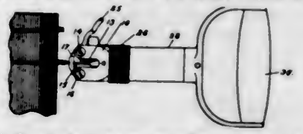
A sweeping machine of the character described constituting a wheel supporting frame, drive wheels carried by the said frame, a sweeping and elevating rotor, means rotating the said rotor by the rotation of the said drive wheels, a hingedly mounted container carried by the frame, means for directing the grass and foreign matter swept up by the said rotor into the said receptacle, a deflector mounted in the container, and a flexible lip carried by the said deflector, directing means adapted to prevent dust and foreign matter passing under the forward end of the said machine, and to enhance the suction of the rotor.

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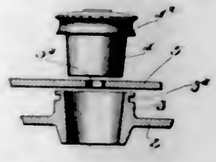
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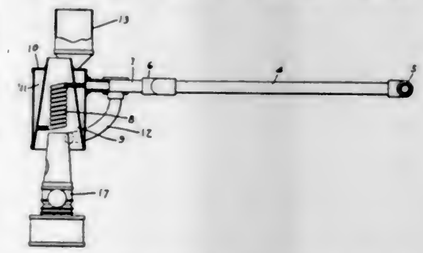
1. A tool for twisting or untwisting wire ends, comprising means for gripping the wire ends, said means having a shank rigidly connected thereto and carrying a ratchet, a sleeve loosely mounted upon said shank to enable support and guidance of the tool, a handle for rotating said shank and revolubly mounted thereon, a sleeve attached to said handle and enclosing said shank and its ratchet, and pawl mechanism within the last-mentioned sleeve adapted to coact with said ratchet to prevent rotation of the handle in but one direction.

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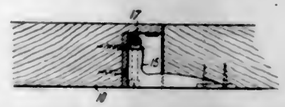
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1,507,321. HEATING SYSTEM FOR INCUBATORS. CHARLES A. MILTON, Kokomo, Ind. Filed Mar. 29, 1922. Serial No. 547,815. 2 Claims. (Cl. 237—15.)



1. A heater for incubators comprising a boiler having a cylindrical outer wall and a tapered inner wall forming a flue, an outlet for hot water in the side of the boiler adjacent the top thereof, an inlet for cold water in the side of the boiler adjacent the bottom thereof, a coil in said flue having one end in communication with the lower portion of said boiler and having its other end projecting through the walls of said boiler and forming communication with said outlet, and means for heating the water in the coil, substantially as set forth.

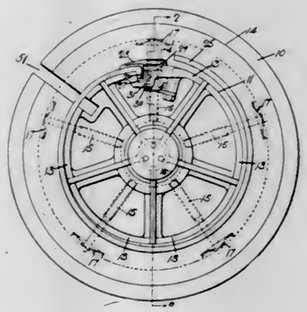
1,507,322. HINGE FOR VEHICLE DOORS. WALTER MORRIS, Dulwich Hill, near Sydney, New South Wales, Australia, assignor to C. W. Elliott Limited, St. Peters, near Sydney, Australia. Filed Jan. 6, 1922. Serial No. 527,303. 3 Claims. (Cl. 16—135.)



1. A concealed door hinge comprising in combination a recessed leaf adapted to be mounted in a cavity in the door post, said leaf formed with an open side and front and being closed elsewhere, and having a pintle pin mounted in the recess, a T-stem extending laterally from said pintle, and a crank leaf having a flat butt plate adapted to be secured to the inner face of the

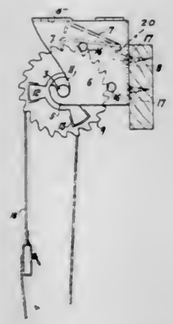
door stile, there being a socket hole in the crank leaf, said leaf adapted to receive the extending portion of said T-stem, and a fixing nut adapted to engage the end of said stem whereby the stem is detachably locked in the crank portion of the crank leaf.

1,507,323. COILING MACHINE. CHARLES P. NELLIS, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 29, 1923. Serial No. 660,052. 4 Claims. (Cl. 144—268.)



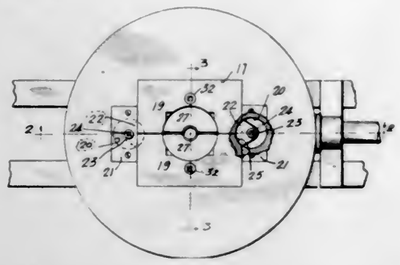
1. In a coiling machine for coiling a plurality of strips of fibrous material to form an annulus, a winding drum, a spring ring positioned upon the periphery of said drum and adapted to be compressed by said strips when they are wound thereupon so that said ring exerts a radial pressure upon said strips, said ring being adapted for removal from the machine along with the completely wound annulus.

1,507,324. WINDOW-BLIND FITTING. CHARLES NEVATT, Glasgow, Scotland. Filed Nov. 27, 1922. Serial No. 603,410. 4 Claims. (Cl. 156—34.)



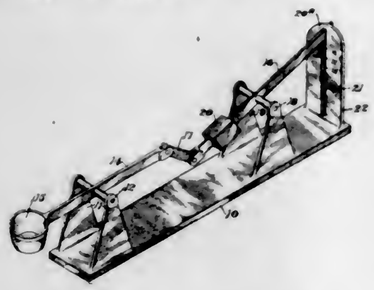
2. A window blind fitting comprising, in combination, a blind roller, a drum-forming journal and a bearing journal one at each end of the said roller, said drum-forming journal being adapted to receive the cord and provided with a shoulder and a collar, a ratchet wheel held between said shoulder and said collar, a spring washer holding said wheel in contact with said shoulder, a bearing having an aperture to receive said bearing journal, a double walled bracket having its outer wall formed with a forwardly projecting hook to receive and support said drum-forming journal and having a detent mounted on a pin pivoted to and between both of its side walls.

1,507,325. SELF-SETTING SLIP FOR ROTARY TABLES. CHARLES B. REYNOLDS, Whittier, Calif. Filed July 7, 1921. Serial No. 482,960. 11 Claims. (Cl. 255—23.)



1. The combination with a rotary drill table, of a pair of bushings removably positioned therein, means for locking said bushings to said table, and drill rod engaging slips adjustable horizontally in said bushings.

1,507,326. EGG SCALE. WILLIAM JOHN SCHMIDT, Sunnyvale, Calif. Filed July 2, 1923. Serial No. 649,034. 7 Claims. (Cl. 265—61.)



1. A scale comprising a fulcrumed scale beam at one end of which an article to be weighed may be disposed, a pivotal weight arm connected at its end to the other end of the scale beam, whereby swinging movement of the scale beam will be accompanied by swinging movement of the weight arm, a weight on said arm disposed between its pivotal point and end whereby an article to be weighed placed on the end of said scale beam may raise the weight an amount in proportion to its own weight, and indicating means actuated by movement of the scale beam and weight arm to indicate the weight of an article being weighed.

1,507,327. PROCESS OF COATING EDGES OF LENSES. WILLIAM J. WRIGHTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 11, 1922. Serial No. 581,094. 3 Claims. (Cl. 91—70.)

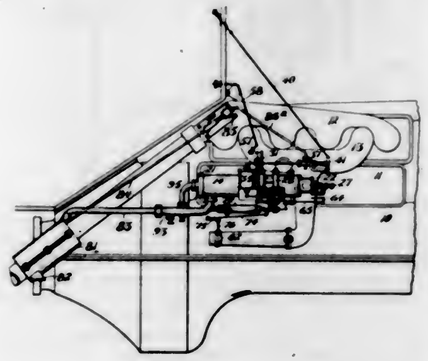


1. The process of coating lens edges consisting in applying a plastic coating to the edge of the lens, baking this coating to a hardened condition, applying a solvent to the baked coating and polishing the same to a finishing condition.

1,507,328. FOOD PRODUCT AND METHOD OF PRODUCTION. SUREN H. BABIGIAN and BERGE BABIGIAN, Berkeley, Calif.; said Berge Babigian assignor to said Suren H. Babigian. Filed Mar. 4, 1922. Serial No. 541,213. 5 Claims. (Cl. 99—11.)

4. A method of treating fruit, vegetables and the like, which consists in first soaking them in a lime solution until the entire mass has been permeated, thereafter washing the articles; then soaking them in a neutralizing and astringent solution at boiling temperature; then washing the articles thus treated; and then boiling the articles in a weak sugar solution.

1,507,329. FUEL VAPORIZER. WILLIAM L. BAUMGARDNER and EARL W. BAUMGARDNER, Watsonville, Calif. Filed Jan. 4, 1922. Serial No. 526,989. 7 Claims. (Cl. 123—25.)



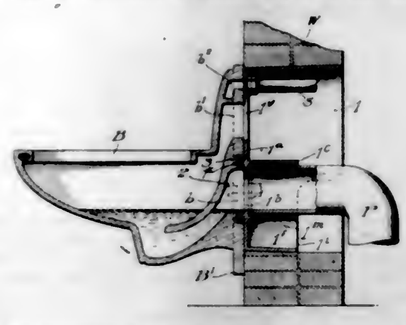
1. A vaporizer for an internal combustion motor comprising a main casing formed of three concentric tubular members of different diameters and connected at their ends to form an outer annular chamber, an intermediate annular chamber and a central vaporizing chamber, means for introducing steam to the outer chamber at one end of the casing, a passageway formed between the outer and intermediate chamber at the opposite end of the casing, means for injecting liquid fuel into said chambers at said passageway, means establishing communication between the intermediate chamber and the central chamber at the end of the casing opposite said passageway whereby steam and fuel admitted to the casing will mix in the intermediate chamber and enter the central vaporizing chamber to form an explosive gas, and a valve controlled passageway between said central chamber and the intake manifold of the engine.

1,507,330. METHOD OF PREPARING SHORT FIBER CELLULOSIC MATERIAL FOR CHEMICAL TREATMENT. ALFRED L. BROADBENT, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 8, 1919. Serial No. 336,719. 7 Claims. (Cl. 260—146.)

1. In the conversion of short-fiber cellulosic material into esters thereof, the method which comprises mixing with such material a different longer-fiber cellulosic material.

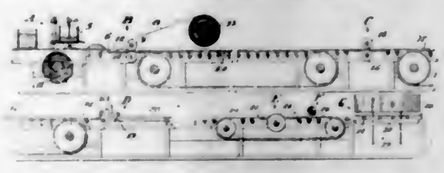
1,507,331. SUPPORT FOR WALL CLOSETS, ETC. WILLIAM V. BUTMAN, Philadelphia, Pa. Filed June 16, 1924. Serial No. 720,370. 10 Claims. (Cl. 4—252.)

1. A support for wall closets and the like, comprising a hollow body adapted to be built into a wall and open at its rear and having its front end provided with openings for connection of a drain pipe to the bowl outlet,



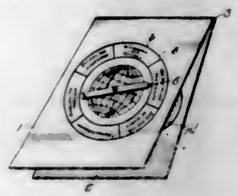
and for connection of a water supply pipe to the bowl inlet and for the bolts and to fasten the bowl thereto.

1,507,332. METHOD OF MANUFACTURING COMPOSITION WALL BOARD. JOSEPH A. BUTTRESS and GEORGE A. BUTTRESS, Los Angeles, Calif., assignors to Rex Goodcell, Los Angeles, Calif. Filed Dec. 27, 1923. Serial No. 682,880. 4 Claims. (Cl. 154—2.)



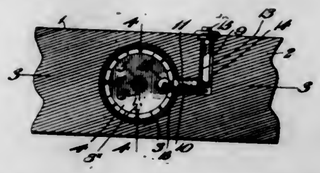
1. The method of manufacturing wall board consisting in interposing a wet, pasty, plastic composition between two advancing sheets of paper and rolling same to form a strip of initial thickness, conveying the strip a distance to permit expansion of the plastic, pressing the strip to compress the plastic and at the same time reduce the strip to final thickness, conveying the compressed strip a distance to permit the plastic to fully set, cutting the strip thus formed into finished commercial lengths and trimming the same while in motion, and subjecting the severed finished lengths to a final drying action.

1,507,333. MAGNETIC TOY OR SIMILAR DEVICE. JOHN B. CARROLL, Oak Park, Ill., assignor to J. B. Carroll Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1923. Serial No. 667,884. 11 Claims. (Cl. 46—49.)



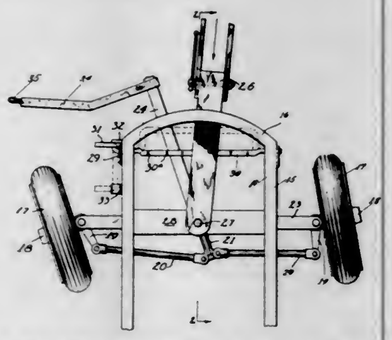
1. In a device of the class described, the combination of a dial, a magnetic indicator rotatively supported on and in movable relation to said dial, a rotative nonmetallic sheet supported in movable relation to said dial, said dial and rotative sheet having spaces thereon adapted to contain correlated print, and a second magnetic member attached to and movable with said rotative non-metallic sheet to different positions with respect to said dial.

1,507,334. LEVEL. JOHN N. CHADWICK, Camden, N. J., assignor of one-half to Emerson McDobbins, Camden, N. J. Filed Aug. 8, 1923. Serial No. 656,409. 2 Claims. (Cl. 240—8.4.)



1. In a device of the character stated, a body, a drum to be illuminated disposed transversely of said body and adapted to support a level, the drum side wall being apertured entirely therethrough and said body having a substantially longitudinal passage therein in register with the drum aperture, a casing enclosing a battery arranged in said passage and protruding through the drum aperture into said drum to interlock with the latter, a light bulb within said drum carried by said battery casing, a push button located upon said body, and an electrical connection between the battery and said push button.

1,507,335. DRAFT AND STEERING RIG FOR TRAILERS. EARL R. CLAYTON and CORWIN R. WELCH, Los Angeles, Calif. Filed May 31, 1923. Serial No. 642,562. 4 Claims. (Cl. 280—33.55.)



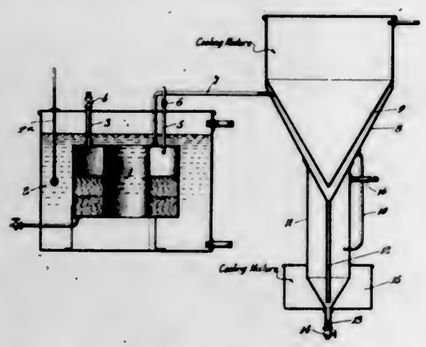
1. A draft and steering rig of the character described comprising a draft bar adapted for pivotal movement upon the frame of a vehicle, a resilient member adapted for operative connection to the steerable wheels of the vehicle, said resilient member being normally urged to a position in which it provides an operative connection between the draft bar and said wheels, and means for moving the resilient member to cause the same to be disconnected from the draft bar, said means comprising a crank arranged to allow the resilient member to have sliding contact therewith so as to permit of the manual movement of the member in effecting a steering of the wheels of the vehicle.

1,507,336. ELECTRICALLY-HEATED BEDPAN. CHRISTOPHER L. COOLING, Santa Monica, and HARRY G. OSTERMANN, Los Angeles, Calif. Filed July 27, 1923. Serial No. 654,134. 1 Claim. (Cl. 4—112.)



The combination with a bed pan having a straight upwardly projecting rim, of a telescopic rim fitting the upwardly projecting rim, means upon the telescopic rim forming a hollow compartment, the top of the compartment being extended to form a partial cover for the pan, and an electric heating element in the compartment.

1,507,337. PURIFICATION OF ETHER AND OF OTHER VOLATILE SUBSTANCES. JAMES HENRY COTTON, Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 25, 1918. Serial No. 255,637. 8 Claims. (Cl. 260—151.)



1. The process of purifying a volatile substance containing volatile impurities, which comprises evaporating the impure substance at a temperature below its boiling point, subjecting the resulting vapors to cooling in a series of well-defined stages, the cooling temperature employed at each succeeding stage being lower than the temperature of the immediately preceding stage, and separating said substance in a substantially pure state at an intermediate cooling stage.

1,507,338. PECTIN FREED FROM PROTEIN AND STARCH. STUART L. CRAWFORD, Rochester, N. Y. Filed Oct. 20, 1920. Serial No. 418,318. 2 Claims. (Cl. 99—11.)

1. The process of producing a pectous compound consisting of treating a vegetable material to remove the natural sugar therefrom, treating the remaining pulp with a solvent to extract the pectous substances, treating the pectous liquor to convert any proteid therein into soluble forms such as peptones and amides and subsequently concentrating the liquor thus obtained.

1,507,339. BOTTLE OPENER. JOHN FREDERICK CRYER, Mount Vernon, N. Y. Filed Apr. 4, 1922. Serial No. 549,496. 2 Claims. (Cl. 65—47.)

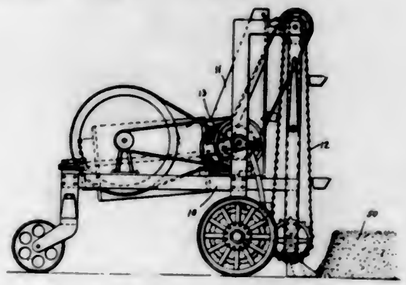


1. An article for use as a bottle opener, comprising a partially circular body with a straight edge and having a cutting blade protruding from the central part of its straight edge, said blade formed with a neck portion and an approximately dart-shaped head having arcuate shoulders in spaced proximity to the straight edge of the body, said body having at one end of its straight edge a notch providing a prying spur at the juncture of said straight edge with the curved edge of the body for removing a wire on the neck of the bottle and the body also having on its curved edge a protruding hook-shaped element for detaching caps from bottles, all cut and formed from a flat sheet of metal.

1,507,340. METHOD OF TREATING COPPER. ROBERT J. CUNNINGHAM and GEORGE H. KING, Salt Lake City, Utah. Filed May 15, 1919. Serial No. 297,230. 4 Claims. (Cl. 75—17.)

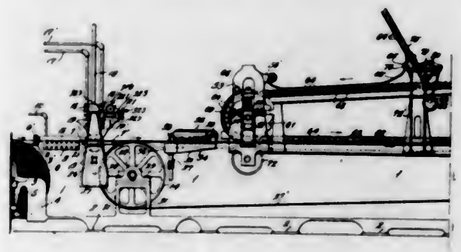
1. The method of treating copper, which consists in melting commercial copper to form a molten bath, covering the surface of the bath with salt (NaCl), after the copper has set but before it has cooled removing the excess salt and the impurities from the surface of the copper.

1,507,341. SAND-CUTTING MACHINE. ELMER E. DAVIS, Muncie, Ind. Filed July 17, 1923. Serial No. 652,054. 3 Claims. (Cl. 83—56.)



1. In a sanding machine for foundries and the like, the combination of an inclined shaft, a spider supported thereby, a peripherally perforated shell concentric with the shaft and supported at its upper end by the spider, means closing the lower end of said shell, a cylindrical screen supported at its lower end by said spider communicating with said shell, whereby the screen is closed by said shell and shell closure, and a peripheral baffle between said shell and said screen and supported by said spider.

1,507,342. METHOD AND MACHINE FOR MAKING STIFFENED FABRICS. LEWIS K. DAVIS, New York, N. Y., assignor to Vaughn Camp, Norfolk, Va. Filed May 17, 1921. Serial No. 470,471. 26 Claims. (Cl. 154—1.)



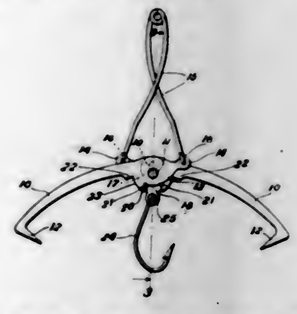
14. In an apparatus of the character described, the combination with means for progressing a backing material through the machine, means for heating the material, means for distributing an adhesive thereon, means for evenly spreading the adhesive, and a hopper for reinforcing strips, of means for delivering said strips in spaced relation one to the other from the hopper to and upon the adhesive and means for embedding the strips into the adhesive.

1,507,343. GAME APPARATUS. FRANK O. DEGENHARDT, Brooklyn, N. Y., assignor of one-half to George Boecher, Brooklyn, N. Y. Filed Feb. 15, 1922. Serial No. 536,655. 8 Claims. (Cl. 46—59.)



1. In a game apparatus, a stand, a plunger extending through the stand, an indicator, a rod to which at one end the indicator is attached, a support extending from the said stand and to which the said rod is pivotally connected to swing the indicator from an invisible to a visible position, the opposite end of the rod extending through a slot provided therefor in the inner end of the plunger, and means for normally maintaining and returning the said plunger to its initial position whereby in the movement of the plunger in one direction the rod is moved to swing the indicator from its invisible to its visible position and when the plunger is returned to its initial position the rod is moved to swing the indicator from its visible to its invisible position.

1,507,344. TRAP FISHHOOK. GEORGE H. DOERING, Brooklyn, N. Y. Filed July 3, 1922. Serial No. 572,565. 6 Claims. (Cl. 43—5.)



6. In a device of the class set forth a pair of flat sheet metal gaffs having gripping ends, the said gaffs being overlapped at one point and widened at said point, a pivot pin extending through the gaffs at the said overlapping point, a spring tending to close the gaffs, a flat sheet metal trigger and locking plate interposed between the said opposed widened surfaces of the gaffs and formed with a longitudinal slot to receive the pivot pin, stops integral with the trigger plate at its opposite side edges, stops formed integrally with the gaffs and adapted to engage the stops on the trigger plate, the said trigger plate being slidable longitudinally to engage its stops with the said stops on the gaffs to hold the gaffs spaced apart, the stops on the gaffs being

located at the edges of the widened portions of the gaffs and the opposed faces of said widened portions contacting with the opposite faces of the trigger plate whereby the trigger plate is braced for a substantial portion of its area adjacent the points of engagement of its stops with the stops upon the gaffs, and a bait hook attached to the trigger plate and extending toward the gripping ends of the gaffs.

1,507,345. CALENDAR. JAMES DOYLE, Norwalk, Ohio. Filed Jan. 2, 1923. Serial No. 610,156. 7 Claims. (Cl. 40—121.)

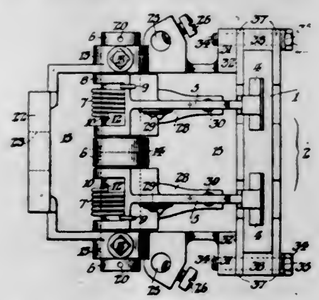


1. A calendar having the months arranged in groups of three units, one group being superimposed upon another, all of the even numbered units having one color, and all of the odd numbered units having another color, whereby the removal of each successive unit alternately changes the predominating color.

1,507,346. METALLURGICAL PROCESS. ROY A. DRISCOLL, Bay Point, Calif., assignor to General Electric Furnace Corporation, Reno, Nev., a Corporation of Nevada. Filed Feb. 9, 1921. Serial No. 443,641. 8 Claims. (Cl. 204—63.)

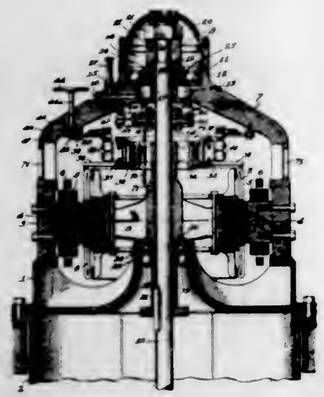
5. A method of producing metallic products in an electrical furnace, which consists in forming an electrical resistant film over the surfaces of the various metalliferous ingredients, of which final product is to consist, thereafter feeding the material thus treated to an electrical furnace.

1,507,347. ELECTRIC-BRUSH HOLDER. DAVID BURGESS FLOWER, Glenside, Pa. Filed Mar. 11, 1924. Serial No. 698,404. 12 Claims. (Cl. 171—324.)



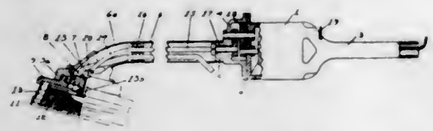
8. In an electric brush holder, the combination with a frame having a face for engagement with a brush box and screw threaded sockets; of a brush box including parallel plane faced sheet metal plates, which are reversible to present either of their plane faces toward the brush; spacing blocks separating said plates in parallel relation; said plates and spacing blocks having holes therethrough registering with said screw sockets; screws extending through said plates and spacing blocks in engagement with said sockets; whereby a smooth faced slide bearing for a brush is afforded between said plates and blocks; and means arranged to press the brush to operative position.

1,507,348. ELECTRIC GENERATOR. HENRY FORD, Dearborn, Mich. Filed Nov. 5, 1920. Serial No. 421,858. 4 Claims. (Cl. 171—252.)



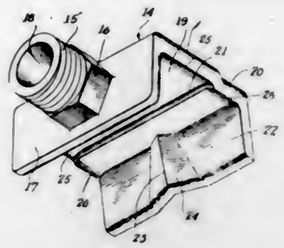
1. In an electric generator, the combination with a field, having an armature rotatably mounted therein and an end frame mounted at one end of the field, of a collector-ring formation and its brushes mounted within the end frame, a commutator mounted between the armature and said collector-ring formation and within the end frame, a plurality of brushes arranged about the commutator, an annular brush holder comprising a ring rotatably secured to and within the end frame and extending in a plane normal to the axis of rotation of the commutator intermediate the collector-ring formation and the commutator, said ring having a plurality of inwardly extending arms upon which the brushes are pivotally mounted and from which they are insulated, and means for connecting alternate brushes to one of the sides of their common circuit.

1,507,349. WINDOW-WASHING DEVICE. JOHN M. FRANZ, Saginaw, Mich. Filed June 7, 1922. Serial No. 566,525. 2 Claims. (Cl. 15—29.)



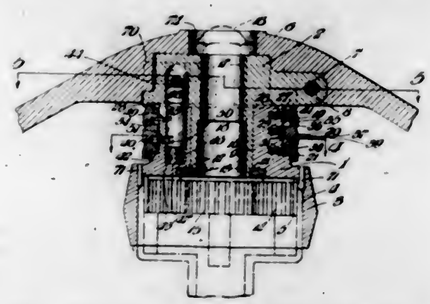
2. A window cleaner comprising a handle, a motor within said handle, an inflexible tube on said housing, a revolvable shaft within said tube and operatively connected to said motor, a short flexible tubular extension on said inflexible tube, a flexible shaft rotatable within said flexible extension and connected to said revolvable shaft, a housing on the end of said tubular extension and a cleaning element within said housing and operatively secured to the end of said flexible shaft.

1,507,350. SPRINKLER HEAD. ERIC T. FRANZEN, Maplewood, N. J. Filed June 28, 1922. Serial No. 571,576. 2 Claims. (Cl. 299—121.)



1. A sprinkler head comprising an elongated rectangular wall, a nozzle extending centrally from said wall, a cover plate extending from the upper edge of said wall immediately above the outlet opening of said nozzle, a ledge on the lower side of said plate, an outwardly inclined front wall extending downwardly from said cover plate beyond said ledge, and a converging angled element on the inner side of said front wall disposed centrally in front of said nozzle.

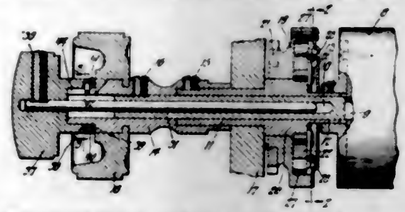
1,507,351. COMBINATION LOCK FOR MOTOR VEHICLES. ERNEST R. HEYM, Philadelphia, Pa., assignor, by mesne assignments, to Otto Hermann, Philadelphia, Pa. Filed Mar. 30, 1923. Serial No. 628,692. 12 Claims. (Cl. 70—53.)



1. In a combination lock, a lower casing section, an upper casing section connected therewith and capable of relative rotation with respect thereto, a locking plunger mounted in one of said sections, yielding means tending to move said locking plunger to cause it to engage the other casing section, a plurality of combination rings operatively connected with said locking plunger to retain it in its locked and unlocked position and to release it from its unlocked position, and manually actuated means to move said locking plunger into its unlocked position.

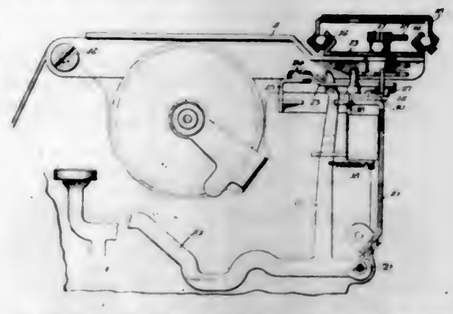
1,507,352. VARIABLE LINE SPACER. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 13, 1921. Serial No. 492,185. 7 Claims. (Cl. 197—123.)

1. The combination with a platen and a line spacing wheel loosely mounted thereon, of a clutch disc connected with one of said members, a clutch ring connected with the other of said members and surrounding said disc, said disc having a portion of the periphery thereof flattened to provide a clutching surface inclined to the surface of said ring, a pair of oppositely disposed clutching rollers positioned in the space between said flattened surface and said ring, resilient means for forcing said rollers in opposite directions into the bights between said disc and ring, pivot levers for shifting said dogs toward one another



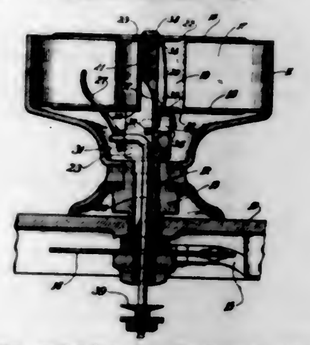
against the tension of said ring, and means for simultaneously operating said levers to release both of said rollers.

1,507,353. BACK SPACER FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Aug. 25, 1921. Serial No. 495,330. 13 Claims. (Cl. 197—91.)



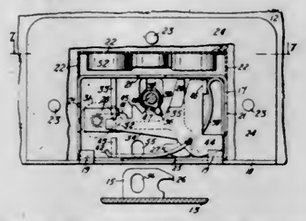
13. A typewriter having a foldable platen carriage frame, an escapement wheel mounted on said frame, a main frame for supporting said platen carriage frame, and back spacing mechanism arranged to operate directly on said escapement wheel when said platen carriage frame is in operating position.

1,507,354. RIBBON MECHANISM FOR TYPEWRITERS. OTTO A. HOKANSON, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed June 8, 1922. Serial No. 566,759. 15 Claims. (Cl. 197—160.)



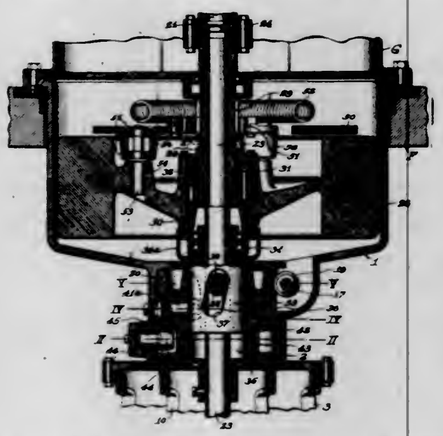
1. Ribbon mechanism for typewriters comprising a spool, a spindle for said spool, a control member, and a spring for positioning said control member, said spring being connected with said spindle in position to enter within said spool when said spool is placed upon said spindle.

1,507,355. LOCK FOR CARRYING CASES. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 3, 1923. Serial No. 616,839. 11 Claims. (Cl. 70—115.)



1. In a lock of the class described, the combination of a keeper mounted on one of the two parts to be locked together, and locking mechanism mounted on the other of said two parts, said locking mechanism comprising a spring pressed catch adapted to interlock with said keeper and having a hand operated device for releasing it, and a hasp adapted also to engage said keeper and also adapted when in operated position to prevent manual operation of said catch.

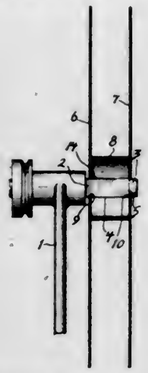
1,507,356. HYDROELECTRIC-UNIT FLYWHEEL GOVERNOR. ALLEN A. HORTON, Highland Park, Mich., assignor to Henry Ford, Dearborn, Mich. Filed Jan. 27, 1922. Serial No. 532,122. 11 Claims. (Cl. 264—6.)



1. In a speed regulator, the combination of a rotatable shaft, a regulating gear through which said shaft extends, means to facilitate manual adjustment of said regulating gear, a balance wheel mounted to be helically movable relatively to said shaft, a planetary centrifugal mechanism connected to the balance wheel and to the rotatable shaft, said connection being such that the movement of the balance wheel and the centrifugal mechanism relatively to the rotatable shaft is co-ordinated, and means for applying said movement to the regulating gear independent of the first mentioned means to cause the latter to be operated and controlled.

1,507,357. REEL AND SPINDLE MOUNT THEREFOR. ALBERT S. HOWELL, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 8, 1923. Serial No. 623,689. 19 Claims. (Cl. 242—70.)

1. A device of the character described including a spindle adapted for the removable mounting of a reel over an end thereof and provided with a longitudinally varied reel mount surface having an inner portion extending laterally beyond the outer portion thereof and terminating in an outwardly facing shoulder disposed intermediately of the reel mount surface, and a reel having a corresponding longitudinally varied and shouldered



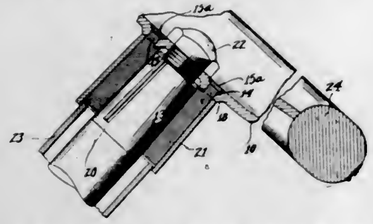
spindle opening adapted to cooperate with the reel mount surface of the spindle to prevent reverse mounting of the reel on the spindle, the shoulders of the spindle and reel being engageable when the reel is mounted on the spindle.

1,507,358. ART OF PRINTING. JOSEPH A. IMHOF, New York, N. Y., assignor to Invisible Color Print Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 7, 1922. Serial No. 550,305. 4 Claims. (Cl. 41—20.)



1. As a new article of manufacture, a design, produced from half-tone plates or the like, of apparently uniform color but carrying soluble coloring matter in substantially invisible form comprising: a plurality of partial images printed in superimposed and partially overlapping relation with insoluble ink of a substantially uniform color the insoluble ink of the several partial images containing differently colored soluble coloring matter, the overlapping of the coloring matter producing requisite latent coloring other than that of the primary colors.

1,507,359. WHEEL CONSTRUCTION. HENRY W. ANGSTEN, Michigan City, Ind. Filed July 27, 1921. Serial No. 488,039. 10 Claims. (Cl. 74—33.)



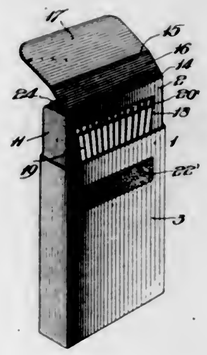
1. A wheel having the spokes thereof struck from a single piece of sheet metal and the hub thereof formed of a plurality of wedge shaped members.

1,507,360. REFRIGERATING MEANS FOR CINEMATOGRAPHIC APPARATUS. CARLOS ANSELMI and MARCELINO VITURRO, Buenos Aires, Argentina. Filed May 7, 1921. Serial No. 467,537. 3 Claims. (Cl. 88—17.)



1. In an apparatus of the type described, a plurality of tubes positioned around the projecting window, said tubes having a row of small perforations so arranged that the compressed air from within the tube impinges in the form of a plurality of small jets directly onto that portion of the film which is in front of the window, and means for elastically supporting the window.

1,507,361. COMBINED CIGARETTE AND MATCH BOX. BELFORD BARNETT, Camden, and WILLIAM LEE MACFARLAND, Brooklawn, N. J. Filed July 31, 1923. Serial No. 654,844. 1 Claim. (Cl. 206—48.)



A container for tobacco products formed from a blank comprising a body portion and top and bottom and side tabs, said body having an opening therein, an enclosing case for said container, and fire proofing material arranged upon the inner face of said casing which material registers with said opening, in closed position of said casing, a strip of matches secured in said opening so that the match sticks and heads are confined in the walls of said opening.

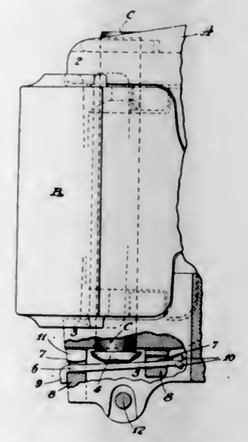
1,507,362. WRENCH. JOSEPH BARTOSIK, Monessen, Pa. Filed Apr. 23, 1923. Serial No. 634,109. 5 Claims. (Cl. 81—121.)

2. In a wrench of the character described, a body provided in one end with a nut-receiving socket, a member carried by the body and adapted for engagement with a screw stud, said socket being adapted to fit about a nut threaded onto the stud, means for frictionally locking the stud-engaging member to the body for rotation therewith, said means permitting independent turning movement of the body a predetermined distance in one direc-



tion and thereafter establishig operating connections between the body and the stud-engaging member, said means also permitting independent turning movement of the body in the other direction after the stud has been screwed into position and acting to disconnect the stud-engaging member from the body.

1,507,363. PIVOT-PIN SUPPORT FOR CAR COUPLERS. ARTHUR J. BAZELEY, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed June 30, 1921, Serial No. 481,468. Divided and this application filed Mar. 15, 1923. Serial No. 625,356. 2 Claims. (Cl. 213—156.)



1. In a car coupler having a head, a knuckle, a pivot pin, and ears on the head extending forwardly above and below the knuckle, the lower ear having a hollow lug at its base surrounding the lower end of said pivot pin, a flattened pin for supporting the pivot pin, said flattened pin extending through apertures in said ear, one of said apertures extending upwardly from said supporting pin to provide access to said pivot pin, and means for retaining said flattened pin in the apertures in said webs.

1,507,364. PLASTER GROUND. EDWARD L. BENEDICT, Sewickley, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 21, 1922. Serial No. 569,784. 1 Claim. (Cl. 72—116.)

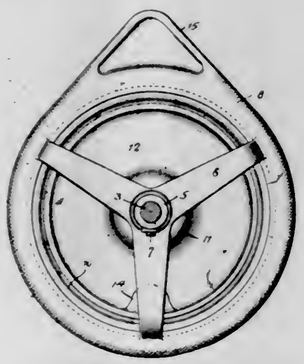
A plaster ground or backing composed of strand wires and stay wires connected at their points of intersection, and rearwardly extending bends formed in said wires between the points of intersection in said frame or plane of the fabric, a substantially flat sheet of continuous surface material through which said bends extend, said sheet having perforations formed therein for the entrance of a

portion of the plaster applied to the front of the sheet, and a retaining member engaging the loops of said bends, that



portion of the plaster which extends through said perforations serving as a locking means for plaster applied to the rear side of said sheet.

1,507,365. ARC-GAP INSTALLATION. CHARLES E. BENNETT, Decatur, Ga., assignor to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Apr. 7, 1922. Serial No. 550,425. 15 Claims. (Cl. 175—30.)

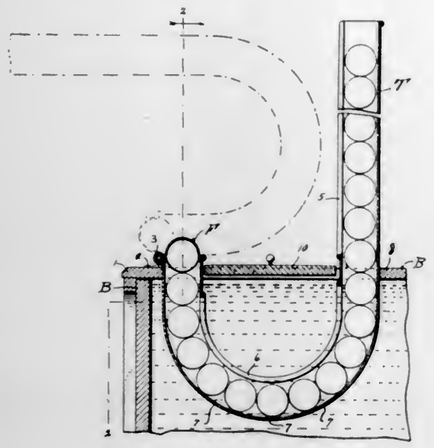


1. In an arc gap terminal, an arcing contact, an associated dished insulator coaxial therewith and presenting its convex face toward the gap, in combination with an adjustable condenser plate adapted to lie within the area of the insulator adjacent its concave face.

7. In an arc gap terminal, a threaded terminal rod, an arcing contact at the end of said rod, and a condenser plate screwing on said rod to adjust the same toward or from said contact.

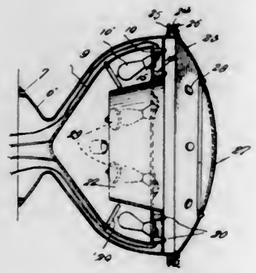
1,507,366. REFRIGERATOR. WALTER F. BRITTON, Anniston, Ala. Filed Sept. 29, 1923. Serial No. 665,583. 5 Claims. (Cl. 62—35.)

5. A device of the class described comprising a box providing a cooling chamber having an opening in its top wall, a tube having an arcuate end portion for insertion within the cooling chamber through the opening in the top wall, means for hingedly connecting the free extremity of the arcuate portion of the tube to the box to permit the tube to have swinging movement, and a plate rotatably supported by discharge end portion of



the tube, said plate being substantially semi-circular in cross section and provided with means for rotating the same.

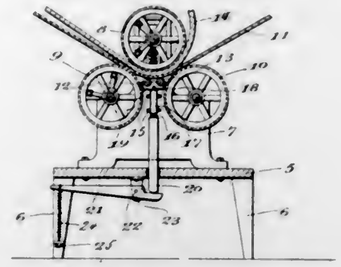
1,507,367. SHIP'S LIGHT. SAMUEL H. EDELSTEIN, Bayonne, N. J. Filed July 5, 1923. Serial No. 649,523. 1 Claim. (Cl. 240—41.)



A ship's light comprising a casing having ventilating openings, a reflector housed therein and spaced from the side walls thereof, a cone shaped skirt member supported in the casing beyond the larger end of the reflector and extending into the reflector, said skirt member having an annular flange which extends to the inner surface of the casing and which is provided with ventilating openings, electric bulbs disposed in the space between the inner surface of the reflector and the skirt portion, electric conductors leading through the space between the reflector and the casing to the bulbs and lenses located in the space between the reflector and the skirt portion.

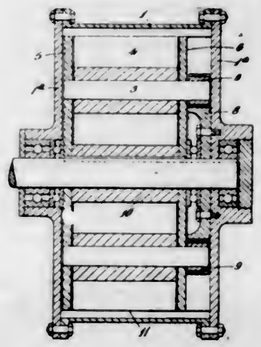
1,507,368. WOOD-BENDING MACHINE. CHARLES W. ELLIOTT. New Albany, Ind. Filed Aug. 22, 1921. Serial No. 494,206. Renewed Nov. 2, 1923. 4 Claims. (Cl. 144—255.)

1. In a wood bending machine, a series of bending rolls arranged in triangular relation, a resilient strip between said rolls, between which strip and one of the rolls the work travels, and presser rollers engaging the strip on



opposite sides of the vertical center line of the last-mentioned roll and located between the other ones of the rolls.

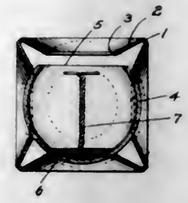
1,507,369. POWER-TRANSMITTING APPARATUS. ALBERT EDWARD ESCOTT, London, England. Filed Mar. 6, 1924. Serial No. 697,173. 4 Claims. (Cl. 74—39.)



1. A power transmitting apparatus comprising driving and driven members, a drum rotatable about its geometric axis, said drum containing a quantity of liquid and constituting one element of the power transmitting apparatus, supports within said drum, said supports being freely rotatable about the axis of the drum, a system comprising paddles rotatably mounted and in squirrel cage fashion on said supports, said system constituting the other element of the power transmitting apparatus, a sun-wheel carried by the drum and planet wheels carried by said paddles and engaging said sun-wheel for transmitting motion from one member to the other.

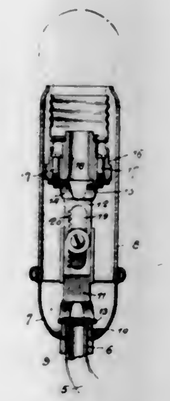
1,507,370. ASH TRAY AND LIKE STRUCTURE. BENJAMIN F. FREEBLE, Jamaica, N. Y., assignor to Sewickley Electric Manufacturing Company, Sewickley, Pa., a Corporation of Delaware. Filed Nov. 30, 1923. Serial No. 677,689. 2 Claims. (Cl. 131—51.)

1. In an ash-tray or like structure the combination of a casing and a receptacle, the casing being thin-walled and of essentially spherical form, the continuity of the sphere being interrupted over segmental planes which correspond to the faces of a concentric polyhedron, and the casing wall being there modified in shape, to form inwardly leading open-bottomed funnels, the edges of all of the funnels lying in a common spherical surface, the said receptacle being of essentially spherical form, hollow, and segmented on one plane to form an open-mouthed cup, and the said cup resting on and borne by the edges of the funnels formed in the casing and being



rotatable on the bearings which the said edges afford, the center of gravity of said cup lying eccentrically on the side of its spherical center opposite the mouth thereof.

1,507,371. LAMP SOCKET. GILBERT W. GOODRIDGE, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 14, 1922. Serial No. 594,551. 5 Claims. (Cl. 240—52.)



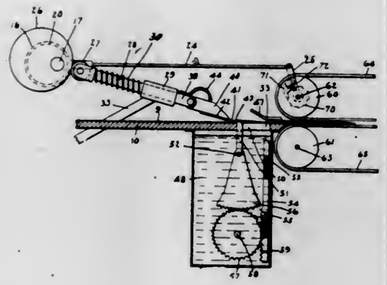
1. An electric lamp socket and a supporting standard therefor, comprising a pair of relatively displaceable members, one of which carries the socket, and the other of which is adapted to be mounted on a support, a rack and pinion connection between said members for relatively displacing the same, and constantly acting friction means for holding the members in the relative positions to which they are thus adjusted.

1,507,372. MULTIPLY PAPER. JASON H. GREENSTREET, Indianapolis, Ind.; Charles J. Greenstreet administrator of said Jason H. Greenstreet, deceased. Filed Dec. 20, 1919. Serial No. 346,231. 13 Claims. (Cl. 154—246.)



1. A multiply paper comprising a plurality of layers secured together by adhesive material, one or more intermediate layers being provided with crushed portions displaced from the normal plane of the paper and overlapping each other and secured together by adhesive material, substantially as set forth.

1,507,373. PAPERBOARD MACHINE. JASON H. GREENSTREET, Indianapolis, Ind.; Charles J. Greenstreet administrator of the estate of said Jason H. Greenstreet, deceased. Filed Apr. 26, 1921. Serial No. 464,665. 14 Claims. (Cl. 154—30.)

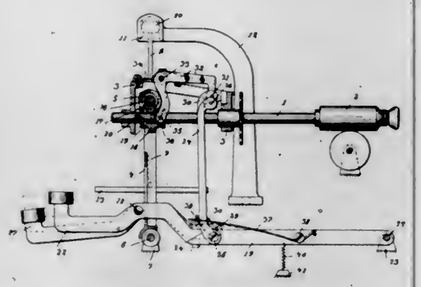


1. In a paper folding machine, the combination of paper feeding means, tiltably mounted paper creasing means, and reciprocatory paper folding means coacting with said paper creasing means to simultaneously tilt the same to crease the paper prior to folding.

1,507,374. MANUFACTURE OF ICING. ANNIE S. HEINRICH and JOSEPH HEINRICH, Paterson, N. J. Filed Aug. 3, 1923. Serial No. 655,543. 2 Claims. (Cl. 99—16.)

The herein-described method of forming an icing which consists in preparing a beaten spongy fondant containing albumen and a farinaceous substance and having its plasticity more pronounced than its crystalline quality, preparing another fondant of sugar and water heated together and so that the consistency of the second fondant shall be approximately the same as that of the first fondant, and cooling and then mixing and beating together the two fondants until the mixture assumes a soft pasty consistency.

1,507,375. TYPE-CYLINDER TYPEWRITER. MAX HELM, Niederschonhausen, near Berlin, Germany. Filed Aug. 24, 1921. Serial No. 494,971. 10 Claims. (Cl. 197—47.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



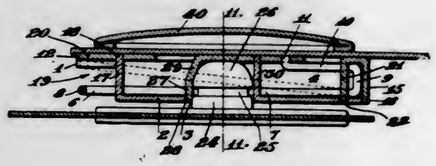
1. In a typewriter in combination, a type cylinder and a spindle carrying said cylinder, means for imparting to said cylinder a rotary and a longitudinal motion and two separate alternatively operable means for imparting to it a transversal motion, one of said latter means being arranged for simultaneously imparting to said cylinder a motion other than transversal.

1,507,376. MACHINE FOR PACKAGING RUBBER TIRES AND SIMILAR ARTICLES. LEROY F. HINTZ, Highland Park, Ill., assignor to Alec J. Gerrard, Chicago, Ill. Filed Jan. 26, 1924. Serial No. 688,862. 19 Claims. (Cl. 100—31.)



1. In a tire packaging device, the combination of means for supporting a plurality of tires in a predetermined position; twisting means to secure a tie wire around said tires while so supported; and means to aid in ejecting said tires after the securing operation.

1,507,377. FASTENER. OSCAR W. HOOPPAW, St. Louis, Mo., assignor to Hooppaw Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 18, 1919. Serial No. 291,027. 12 Claims. (Cl. 24—218.)

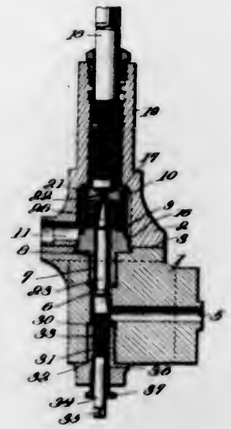


6. In a fastener of the character described, a clasp member and a stud member unitable therewith, the clasp member carrying a spring member normally in position to engage the stud member and the stud member having a portion to receive the spring member to be thereby locked in a definite final uniting relation to the clasp member, said spring member being liftable by the stud member moving in engagement therewith into uniting relation to the clasp member, and being also liftable manually to release the stud member from uniting relation with the clasp member, and an abutment member on said clasp member engageable by one side of the stud member to oppose the force tending to tilt the clasp member on the stud member when the spring member is lifted manually.

1,507,378. HOMOGENIZING VALVE. DIEDRICH F. HORMANN, Oklahoma City, Okla., assignor of one-half to E. F. Comegys, Oklahoma City, Okla. Filed Feb. 19, 1924. Serial No. 693,808. 7 Claims. (Cl. 99—2.)

7. A homogenizing valve comprising a recessed casing, a stack of homogenizing annuli mounted therein, a

threaded plug mounted in said casing and housing a centrally threaded bore, a pressure pin mounted in the

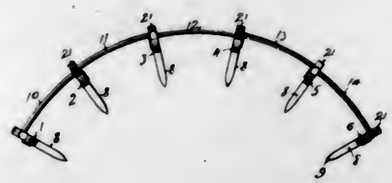


bore of said plug and having threads engaging the threads of said bore, said pin having a tapered portion extending outside of said casing for turning said pin.

1,507,379. PLASTIC. WILLIAM HOSKINS, Chicago, Ill., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Mar. 17, 1921. Serial No. 452,953. 32 Claims. (Cl. 106—27.)

1. A cement capable of setting with a solution of phosphoric acid and adapted for press molding, said cement comprising a filler and from 2 to 10% of calcium aluminate as its effective bonding constituent.

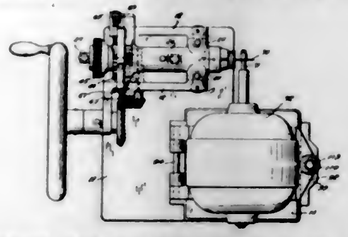
1,507,380. HAIR-WAVING COMB. HANNAH JACOBS, Brooklyn, N. Y. Filed June 12, 1922. Serial No. 567,635. 8 Claims. (Cl. 132—35.)



1. In a device of the class described, the combination of a plurality of combs movable laterally toward and from each other and curved links connecting said combs for causing them to lie in arched formation in a direction laterally of the combs when said combs are spread apart.

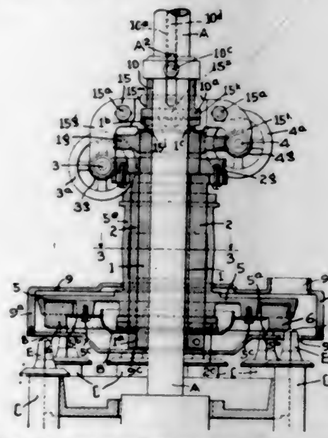
1,507,381. COMMUTATOR-SLOTTING MACHINE. WILLIAM JANNELL, West Park, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 3, 1920. Serial No. 428,073. 16 Claims. (Cl. 90—56.)

16. In a device of the class described, a rotary disk knife, a chuck carrying casing adapted to oscillate about a pivot extending transversely of the plane of said knife, means for resiliently holding said chuck in oper-



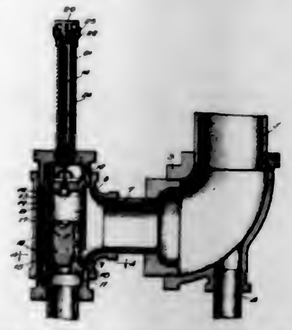
ative relation with said knife, and means for moving said chuck casing to inoperative position.

1,507,382. GRINDING ATTACHMENT FOR AUTOMATIC BUTTON MACHINES. ALBERT F. KEFFLO, Muscatine, Iowa. Filed June 8, 1923. Serial No. 644,267. 15 Claims. (Cl. 79—9.)



1. In a button grinding machine the combination of a shaft, a rotatable sleeve eccentrically mounted on said shaft, a second sleeve eccentrically mounted on the first sleeve and a grinding disk rotatably positioned on the second sleeve.

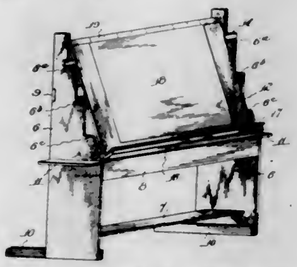
1,507,383. FLUSH-TANK VALVE. RUDOLPH KLANN, Chicago, Ill. Filed Apr. 5, 1923. Serial No. 630,059. 8 Claims. (Cl. 4—30.)



1. A device of the character described comprising a hollow member, a sleeve arranged in said hollow member, a closure for each end of the sleeve having a port therethrough forming valve seats, the sleeve having

inlet ports adjacent the lower closure, a manually operable valve controlling the upper closure port, and a valve for controlling the lower closure port, said lower valve being operable within the sleeve.

1,507,384. EASEL. FRANK W. KNOWLTON, Mount Vernon, N. Y. Filed Jan. 19, 1924. Serial No. 687,244. 2 Claims. (Cl. 45—131.)



1. An easel comprising a frame formed of spaced apart upright side pieces having stepped horizontal ledges at the upper part of the forward edges thereof, a cross-piece between said side pieces near their lower ends, a face-board attached between the forward edges of the side pieces above the cross-piece and below the aforesaid ledges, and a cross-bar at the rear end of the frame near the upper end thereof; together with a drawing-board hinged to the upper edge of the face-board to swing between the side pieces and limited in its rearward movement by the cross-bar, the hinges being at the rear of the face-board and drawing-board so that the meeting edges limit the forward movement of the latter to upright position, a forwardly projecting ledge attached to the lower end of the drawing-board, and a removable rod to rest on the ledges of the side pieces across the back of the drawing-board to support it at an inclination.

1,507,385. WORK SUPPORT FOR HEATERS. MILTON M. KOHN, New York, N. Y. Original application filed June 19, 1922, Serial No. 569,346. Divided and this application filed June 20, 1923. Serial No. 646,679½. 8 Claims. (Cl. 126—226.)



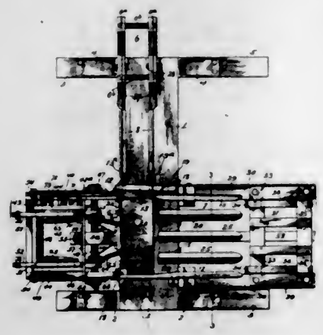
1. A work support for gas burners comprising a spider having radiating arms and a crown ring adapted to engage the top of a burner tube, means on said arms adapted to prevent sliding movement of an article placed thereon, and means at the ends of said arms for supporting a cover.

1,507,386. PADLOCK. MIKE KOSCHO, Trenton, N. J. Filed July 26, 1923. Serial No. 653,934. 2 Claims. (Cl. 70—17.)



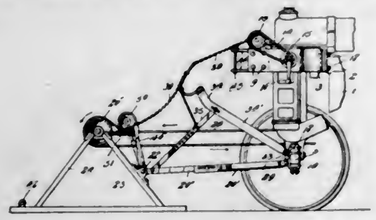
1. In a padlock of the class described, a casing, transversely extending partitions formed in said casing, said partitions having recesses formed therein, a cover plate having a transversely extending slot secured to said casing, a bolt slidably positioned within the recesses formed in said partitions and retained therein by said cover plate, a recess formed in one side of said bolt, a spring element for normally retaining the lower end of said bolt in a position to obstruct a portion of said slot, and a key having a laterally projecting lug adapted for engaging the recess formed in said bolt for moving the latter out of alinement with said opening.

1,507,387. MACHINE FOR BOXING OR CASING CANS. ALBERT H. KYLER, Westminster, Md. Filed Mar. 20, 1923. Serial No. 626,433. 12 Claims. (Cl. 226—15.)



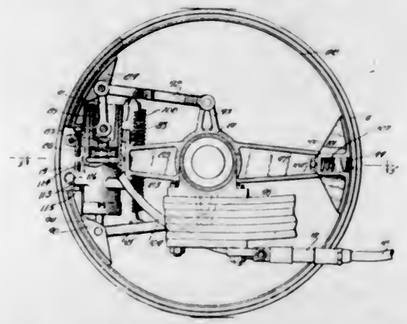
1. In a machine of the character described, the combination with a table, an assembling frame disposed at substantially right angles to said table and having a gateway at one side thereof, and guiding means for cans communicating with the assembling frame at said gateway, of a pusher to enter said frame, separating blades carried by said pusher and movable across said gateway, means whereby said blade may yield bodily in a lateral direction, means for causing vertical movement of the pusher to operate said blades, and means for operating said pusher.

1,507,388. SAW ATTACHMENT FOR TRACTORS. OSCAR H. LARSON, Grove City, Minn. Filed Feb. 19, 1923. Serial No. 620,111. 1 Claim. (Cl. 180—53.)



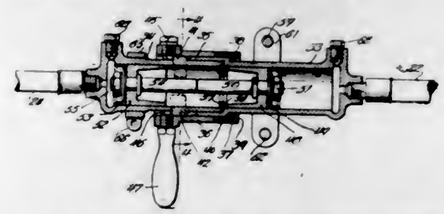
In combination with a motor vehicle, a saw attachment comprising longitudinally extensible bars pivoted to the axles of the vehicle, a yoke member pivoted at its ends to the axle of the vehicle at points above the points of pivotal connection between the said bars and the axle, longitudinally extensible arms pivotally connected at one end with the free end portions of said bar and pivotally connected at their opposite ends with the side portions of the yoke member, an upwardly and rearwardly curved strip mounted upon the yoke member, winding mechanism mounted upon the frame of the vehicle above the yoke member, a flexible element arranged to wind upon said winding mechanism and connected with the strip, a pin carried upon the frame of the vehicle and engageable with the strip to hold the yoke members and bars in an elevated position, a saw frame pivotally connected with the free ends of the bars and adapted to rest upon the ground when the bars are lowered, and means connecting the saw frame with the strip and adapted to swing the saw frame over and upon the arms when the bars and yokes are elevated.

1,507,389. BRAKING APPARATUS. MALCOLM LOUGHEAD, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 23, 1922. Serial No. 531,145. 8 Claims. (Cl. 188—152.)



1. In a braking apparatus, a brake drum, a brake band adjacent thereto, means for applying braking pressure to said band, and means engaging said brake band adjacent to the end thereof for preventing the engagement of said brake band adjacent to its end with the drum during the initial movement of said band, said means operating to bring said brake band end into engagement with said drum as the brake band reaches its operative position.

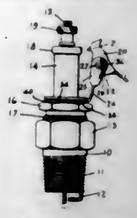
1,507,390. BRAKING APPARATUS. MALCOLM LOUGHEAD, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 23, 1922. Serial No. 531,146. 10 Claims. (Cl. 188—3.)



1. In a braking system, two sets of braking apparatus, each set including brake cylinders and tubes for conveying fluid thereto, means for forcing fluid under pressure into the tubes of one set of apparatus, means actuated by the pressure in said tubes of one set for creating pressure in the tubes of the other set, and means for preventing the passage of fluid from the tubes of one set to those of the other.

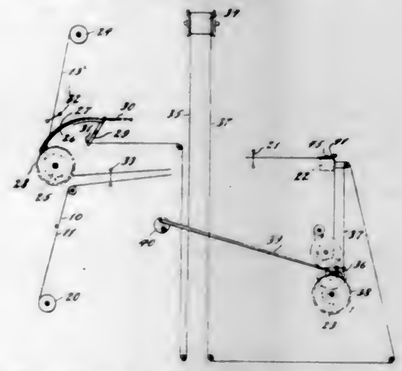
1,507,391. SAFETY AND SHORT-CIRCUITING DEVICE FOR SPARK PLUGS. CHARLES K. MALOTT, Indianapolis, Ind. Filed June 12, 1920. Serial No. 388,554. 3 Claims. (Cl. 175—183.)

3. The combination of a spark plug including a metallic portion provided with a circumferential groove, and an annular channel, a safety and short circuiting device for said spark plug, said device including a pivotally supported circuit member, standard means supporting said circuit member, a bifurcated standard supporting base member, the free ends of said bifurcations extending angularly of said bifurcations into said circumferential



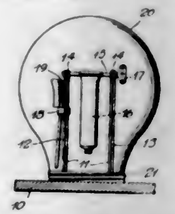
groove, and projecting means upon one of said bifurcations and seatable in the annular channel for yieldingly securing said safety and short circuiting device upon said spark plug.

1,507,392. METHOD AND APPARATUS FOR WEAVING FRENCH-KNOT FABRICS. FRED B. MANLEY, Paterson, N. J., assignor to Textile Development Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 19, 1923. Serial No. 613,659. 19 Claims. (Cl. 139—57.)



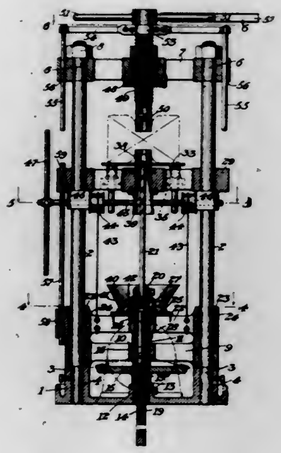
1. The method of weaving fabric, comprising the interlacing of normal and special warp strands with filling to produce cloth, inserting at predetermined times an extra pick of filling over all of the normal warp strands and beneath the special warp strands, and then raising the extra pick of filling above the surface of the fell of the cloth to produce large loops in the special warp strands.

1,507,393. TOILET SET. ANTONIO MATIAS, Washington, D. C. Filed Apr. 7, 1923. Serial No. 630,615. 2 Claims. (Cl. 221—6.0.)



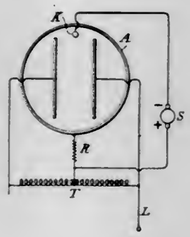
1. A device of the character described, comprising an air-tight base, upright supports, a cross member between the upper ends of said supports for attachment to the end of a paste tube, the upright members being of such length as to support the tube with the lower end free of the base and a removable dust proof cover adapted to go over said support.

1,507,394. METHOD AND APPARATUS FOR OBTAINING SAMPLES. WILLIAM MEINERSMANN, Elizabeth, N. J. Filed Jan. 8, 1921. Serial No. 435,839. 12 Claims. (Cl. 77—5.)



1. In an apparatus of the class described, the combination with a piercing element, of means for supporting substantially loose material to be operated upon above said element, means for locally compressing said material at the section through which said piercing element is to pass, and means for operating said piercing element

1,507,395. PROTECTING CONDENSER PARTS AGAINST CORROSION. RALPH D. MERSHON, New York, N. Y. Filed Sept. 14, 1920. Serial No. 410,344. 11 Claims. (Cl. 175—318.)



1. The herein described method of protecting the inactive parts of an electrolytic condenser, which consists in making of filming metal the part to be protected, forming a film thereon, and when the condenser is in operation maintaining on such film an electrostatic stress directed toward the electrolyte.

10. An electrolytic condenser having inactive as well as active parts made of filming metal coated with a protective film.

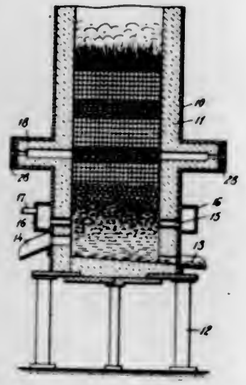
1,507,396. DOUBLE POCKET AND MEANS FOR LOCKING SAME. MOSES MIGDALOWITZ, Rochester, N. Y., assignor of one-third to Nathan Singer and one-third to Philip Rosen, both of Rochester, N. Y. Filed Mar. 13, 1924. Serial No. 698,882. 2 Claims. (Cl. 2—253.)

2. In a double pocket, the combination of two outer walls, a partition between said outer walls, having two button holes provided therein, a button on the inside of each of said outer walls and opposite to one of the button holes provided in said partition, said partition



being adapted to be partly buttoned to one of said outer walls and partly to the other of said outer walls to partially close each of the pockets of said double pockets.

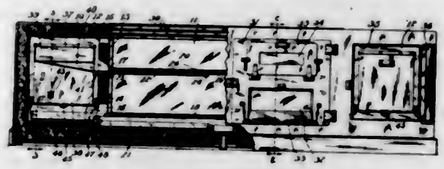
1,507,397. SMELTING OR FUSING METALLIC SUBSTANCES. RICHARD MOLDENKE, Watchung, N. J. Filed Dec. 11, 1922. Serial No. 606,045. 19 Claims. (Cl. 75—14.)



1. The improvement in the process of smelting or fusing metallic substances in which the metallic substance is subjected in a furnace to the action of heat resulting from the combustion of fluid and solid fuels, which comprises so adjusting or arranging the supply of fluid and solid fuels and the air or other combustion-supporting gas or gases that the products of combustion of the fluid fuel shall not come in contact with the molten metal.

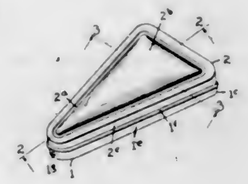
1,507,398. REFRIGERATOR. ROBERT A. MOURON and SAMUEL M. MOURON, Indianapolis, Ind., assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind., a Corporation of Indiana. Filed Sept. 14, 1923. Serial No. 662,625. 9 Claims. (Cl. 62—37.)

5. A refrigerator comprising a main hollow body divided by a transverse partition structure into a refrigerant chamber and a refrigerating chamber, said transverse partition structure providing a communication between the lower part of the refrigerant chamber and the lower part of the refrigerating chamber, a communication between the upper part of the refrigerating chamber and the upper part of the refrigerant chamber, and an intermediate communication between an intermediate portion of the refrigerant chamber and an intermediate portion of the refrigerating chamber, a flow-defining par-



tition of less length than the refrigerating chamber arranged in the refrigerating chamber below the intermediate communication between the refrigerant chamber and refrigerating chamber, a refrigerant container arranged within the refrigerant chamber and having a vertical extent both above and below the intermediate communication between the refrigerant chamber and refrigerating chamber and provided with means to divert a portion of refrigerated air laterally to the said intermediate communication.

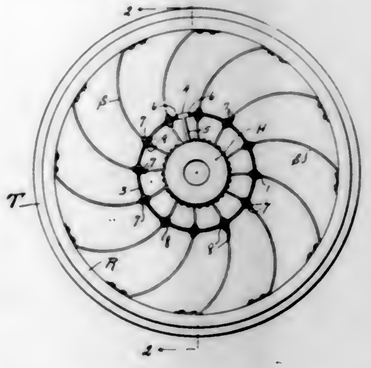
1,507,399. PUFFER PACKAGE FOR INSECT POWDER. HUGH PERRY MCCORMICK, Baltimore, Md., assignor to McCormick & Co., Incorporated, Baltimore, Md., a Corporation of Maryland. Filed Apr. 18, 1923. Serial No. 632,859. 2 Claims. (Cl. 43—146.)



1. A puffer package for the purpose specified, comprising a body member and a corresponding top member, such members having interengaging side portions, a bead in the side portion of the body member, each member having a bead lying without the plane of its face intermediate and adjacent the side portions thereof and a concavo-convex portion surrounded by said bead; the said concavo-convex portions in the body and top members projecting outwardly in opposite directions, and adapted when compressed to expel the contents from the box, and to assume their normal positions when released, the body member having a disk partly punched in its side below the bead, no part of the periphery of said disk being entirely severed from the body portion, but being detachable therefrom by pressure.

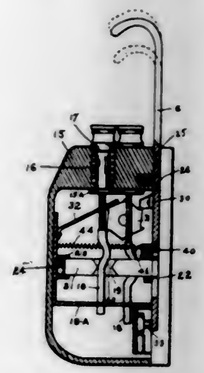
1,507,400. CUSHION WHEEL. SHAFTER M. MCCRANIE, Hartford, Ala., assignor of one-half to John W. Hause, Tampa, Fla. Filed July 1, 1922, Serial No. 572,212. Renewed Mar. 6, 1924. 7 Claims. (Cl. 152—50.)

1. A wheel structure comprising a hub, a rim, spring spokes connecting said hub and rim, a substantially annular rod arranged at one side of the wheel and freely engaged with the spokes, means for attaching said rod



to the hub, and means carried by said rod and co-acting with the spokes for regulating the tension of the spokes.

1,507,401. AUTOMOBILE LOCK. WILLIAM R. TOWNLEY, Corning, N. Y., assignor, by mesne assignments, to Rochester Lock Corporation, Rochester, N. Y., a Corporation of New York. Filed Jan. 5, 1921. Serial No. 435,249. 9 Claims. (Cl. 70—54.)

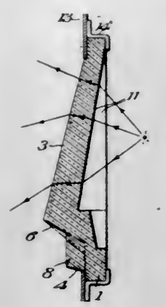


1. In an auto lock, a plurality of bolts movably mounted, a latch plate disposed at an angle to said bolts, a locking plate engaging said latch plate and holding it against movement, each of said bolts separately engaging with said locking plate and holding it in locking position, and keys for moving said bolts to release said locking plate.

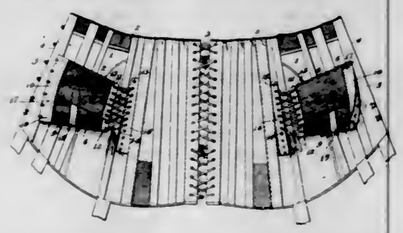
1,507,402. DIRECTIONAL SIGNAL LENS. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,462. 6 Claims. (Cl. 40—136.)

4. A directional signal lens comprising an integral molded arrow the walls of said arrow being tapered up-

wardly so that the upper portion of the arrow is thinner than the lower portion thereof whereby light rays passing outwardly through the arrow will be bent and diverted downwardly.

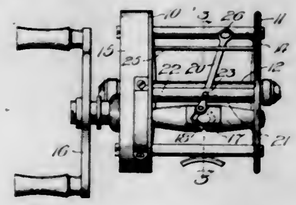


1,507,403. CORSET. MILLARD VON HALLE, Palisades Park, N. J. Filed Mar. 31, 1924. Serial No. 703,054. 4 Claims. (Cl. 2—27.)



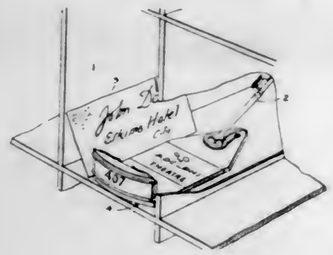
1. The combination with a corset, of cup-shape abdominal lifting and supporting means adjustably attached to the corset including: two connected members, one member on each side of the inside front of the corset and each member consisting of a plurality of bands of resilient material fastened together in overlapped angular relation with respect to each other at their ends nearest the central front portion of the corset, their other ends being free, and means for varying, with respect to each other, the angular relation and extent of overlapping of the bands of each member to thereby vary at will the curvature or the pull or pressure of the cup-shape lifting and supporting means.

1,507,404. LINE-DISTRIBUTING DEVICE FOR REELS. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed Aug. 8, 1923. Serial No. 656,399. 7 Claims. (Cl. 242—84.4.)



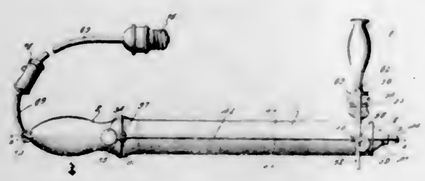
1. In combination with a fishing reel, line distributing means therefor comprising a shaft connected to rotate with the reel, a pillar fixedly extended adjacent the shaft, there being a slot formed transversely and longitudinally through the pillar, a lever extended through the slot and fulcrumed to the pillar to oscillate within the slot thereof, one end of the lever being thereby maintained adjacent to the shaft, means at the opposite lever end for guiding a line in its winding movements upon the reel, and a cam device associated with the shaft adapted to engage the end of the lever proximate thereto so as to oscillate the same, substantially as described.

1,507,405. KEY TAG. FRANK B. WHITCOMB, San Francisco, Calif. Filed June 27, 1923. Serial No. 648,042. 5 Claims. (Cl. 40—2.)



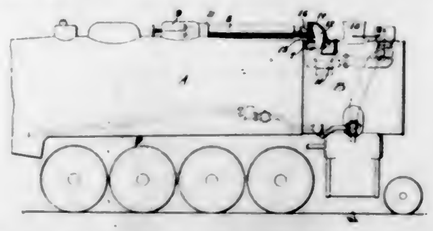
1. A key tag comprising a body portion constructed to provide an upright face of sufficient area for presenting in upright position, identifying indicia.

1,507,406. DEVICE FOR MELTING SOLIDS. JULE SCREVEN WILLCOX, Savannah, Ga. Filed Dec. 22, 1922. Serial No. 608,507. 23 Claims. (Cl. 120—116.)



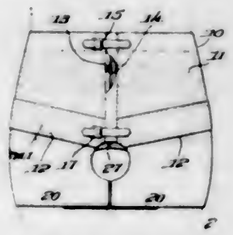
23. A device of the class specified comprising a heating vessel having a discharge opening therein, double spiral grooves on the exterior of the vessel in proximity to the discharge end, an electrical resistance element wound in the double spiral grooves, electrical insulating material wrapped around the heating vessel and the electrical resistance mounted thereon, an interior plug for the discharge opening, a stem on which the plug is mounted extending through the heating vessel, a protecting tube through which the stem is adapted to reciprocate, an exterior plug for said opening, a rod carrying said plug, a guide on the device in which the rod is adapted to reciprocate, a cam member on the rod, a sealing stamp mechanism cooperating with the cam member whereby the rod is reciprocated to seat the exterior plug, means cooperating with the rod to cause the interior plug to seat, an outer casing, a heat insulating material placed between the outer casing and the electrical resistance and electrical insulation, a vent near the back of the device extending through the outer casing, the heat insulating cover and the heating wall, a detachable handle for the heating vessel having a passageway therein for the electrical conductors, a screw plug for the exterior end of the passageway for guiding the conductors, and a supporting member integrally formed with the screw plug for hanging up the device.

1,507,407. STEAM CONNECTION FOR LOCOMOTIVES. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Oct. 20, 1922. Serial No. 595,758. 13 Claims. (Cl. 105—37.)



7. In a locomotive, the combination of a dry pipe, a superheater header, and a dry pipe end between the dry pipe and superheater header, said end constituting an anchor for the dry pipe.

1,507,408. CORSET. MARGARET A. WOODS, Somerville, Mass. Filed June 14, 1923. Serial No. 645,437. 2 Claims. (Cl. 2—41.)



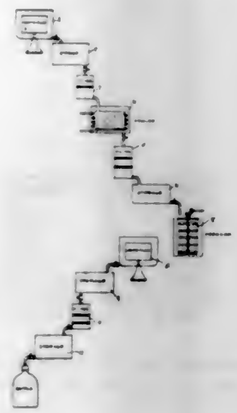
1. A corset of the class described composed in part of a plurality of pieces to form a body portion having a plurality of rows of stitches encircling it; a strain receiving strip fast with said body portion and applied thereto in an encircling manner and in the direction of length of said rows of stitches; and being secured to the back of said corset below the waist line and sloping downwardly toward the front and passing over the hip portions, whereby abdominal weight sustaining is transferred to the buttocks and hips of the wearer rather than to the waist means to fasten said corset to the wearer; and additional securing means adapted to cooperate with said strip whereby said corset body will be relieved of excess strain.

1,507,409. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 17, 1919. Serial No. 345,588. 3 Claims. (Cl. 123—169.)



1. A spark plug comprising a base, an insulating member carried thereby, a fixed electrode carried by said member and projecting therefrom and an arcuate electrode having both ends fixedly carried by said base, all points on said last named electrode being equally distant from the center of the end of said insulating member.

1,507,410. METHOD OF MAKING CONCENTRATED COFFEE LIQUIDS CONTAINING OILS. WALTER M. ZORN, East Cleveland, Ohio. Filed July 10, 1924. Serial No. 725,128. 10 Claims. (Cl. 99—11.)



1. The method of making a liquid coffee concentrate, containing oils, consisting of infusing ground coffee with water to obtain a coffee liquid, cooling and freezing such liquid into a snow form, removing the snow and ice crystals from the frozen mass, and filtering the obtained concentrate to remove all suspended matter.

1,507,411. PISTOL. VID ZUGAJA, Youngstown, Ohio. Filed May 13, 1922. Serial No. 560,617. 1 Claim. (Cl. 42—44.)

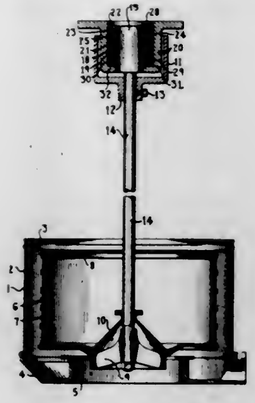


In a pistol of the type described, a frame, a hand stock carried thereby, a barrel pivotally mounted upon the frame, a trigger guard pivotally mounted at one end to the frame and having its free end normally positioned within a socket formed in said stock, interengaging means carried by the trigger guard and barrel, a slidable tensioned latch device carried within said stock and adapted to normally engage the free end of said guard, an angular extension carried by said latch and projecting outwardly of said stock, and a gripping means carried by said extension for sliding the tensioned latch from its normal position.

1,507,412. CENTRIFUGAL MACHINE. TANDY A. BRYSON, Troy, N. Y., assignor to Tolhurst Machine Works, a Corporation of New York. Filed June 12, 1920. Serial No. 388,659. 17 Claims. (Cl. 64—48.)

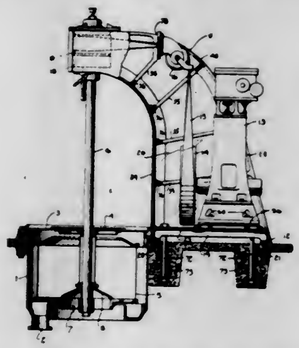
1. A centrifugal machine including in combination a basket and supporting and rotating means therefor com-

prising a basket shaft, a flexible, non-resilient support therefor, and a plurality of contacting relatively movable



friction members carrying the weight of the basket and shaft and acting by such movement to dampen the gyratory movement of the shaft.

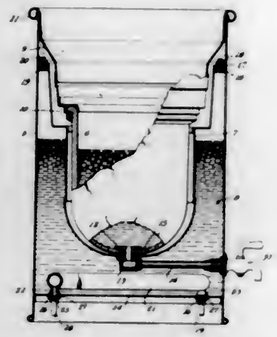
1,507,413. CENTRIFUGAL MACHINE. TANDY A. BRYSON, Troy, N. Y., assignor to Tolhurst Machine Works, a Corporation of New York. Filed Dec. 10, 1920. Serial No. 429,737. 7 Claims. (Cl. 210—63.)



3. A pillar for a centrifugal machine comprising a unit-casting having relatively thin angularly disposed walls uniting and reinforcing members therebetween, the pillar having its base at one side of the basket and curved upwardly over the basket, the upper end of the pillar serving as a support for the basket shaft.

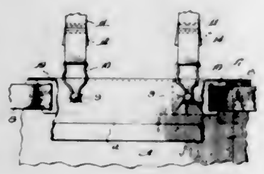
1,507,414. COFFEE URN. EDWARD NEY, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,089. 2 Claims. (Cl. 53—3.)

1. A combination coffee urn of the character disclosed comprising a casing having a continuous fixed shoulder on the inner wall of the same, a gasket seated on said shoulder, an annular shell within the casing having a flanged rim engaged with said gasket, a continuous clamping ring bearing on said flanged rim, a plurality of screw bolts securing said clamping ring to the annular shoulder with the gasket and the flanged rim of the shell interposed therebetween and thereby providing a closed but readily opened annular water chamber between the casing and shell, a jar within the shell having an upper annular extension covering the detachable fastening means for the water jacket shell and having a readily detachable engagement with the upper end of the casing, whereby upon removal of said jar access will be provided to the fastening means for the water jacket shell, which fastening means can then be released to permit removal



of the water jacket shell and consequent exposure of the entire interior of the casing and outlet connections extending from the jar through the shell, readily detachable to enable first the removal of the jar and then the removal of the shell.

1,507,415. HOSE SUPPORTER. HERBERT R. OLIVER, Baltimore, Md. Filed Apr. 24, 1923. Serial No. 634,329. 3 Claims. (Cl. 241—1.)

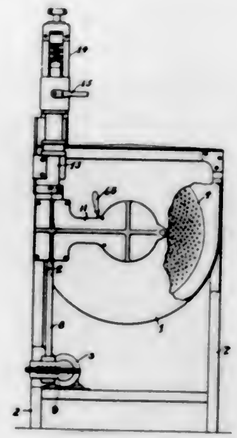


1. A device for supporting hose in connection with suspending straps and hose fasteners comprising a band to encircle the leg and hose a sufficient distance below the upper end of the latter so that the upper portion of said hose is folded forwardly over said band, means for connecting the ends of the band, plates carried by the band and having their upper edges of considerable length to provide extensive bearings for the fold of the hose, and means forming a part of said plates respectively for cooperating with the aforesaid hose fasteners in connecting the folded portion of the hose to the plates, whereby the pull of the hose is along the upper edges of said plates around the leg of the wearer.

1,507,416. WASHING MACHINE. WILLIAM V. ORR, Cleveland, Ohio. Filed June 10, 1918. Serial No. 239,107. 2 Claims. (Cl. 74—50.)

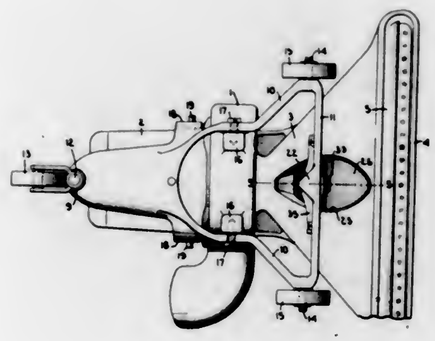
1. In mechanism of the character described, in combination an oscillating part, a countershaft geared thereto, a driving shaft, a pair of opposed bevel gears loosely sleeved on said driving shaft, a gear on said counter shaft meshing with said first gears, a clutch member slidable on said driving shaft, and adapted to engage said first gears selectively, a lever having one end operatively attached to said clutch member, and a plurality

of rings journaled upon the axis of said oscillating part, each ring having a projection adapted to engage a projection of the adjacent ring, and the projections of the



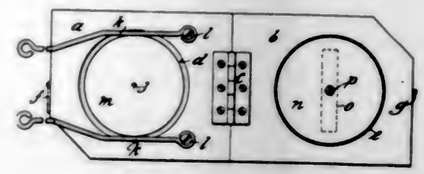
terminal rings being arranged, one to engage a projection on said oscillating part and the other to engage the opposite end of said lever.

1,507,417. SUCTION CLEANER. WILLIAM V. ORR, Cleveland, Ohio. Filed May 26, 1921. Serial No. 472,831. 8 Claims. (Cl. 15—8.)



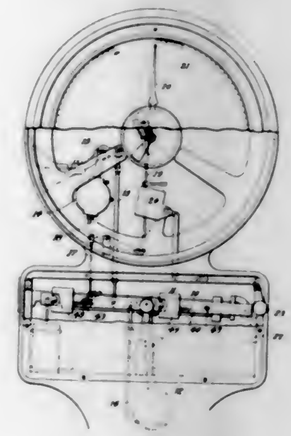
1. In a suction cleaner, in combination, a rigid frame, floor engaging means whereby said frame is supported in stable equilibrium, a cleaner casing pivotally mounted upon said frame on a substantially horizontal axis, said casing having a fan chamber and motor rigidly connected together and also a nozzle which projects beyond the frame and is provided with a downwardly facing inlet mouth, and means for adjustably securing said casing in different positions about its pivot whereby the distance of said inlet mouth from the floor is adjusted.

1,507,418. HOLDER OR GRIP FOR HOLDING TINS, BOXES, OR THE LIKE. KATE OSBORNE, Bridgwater, England. Filed Nov. 3, 1923. Serial No. 672,584. 6 Claims. (Cl. 217—5.)



1. A holder comprising a base, a recess in the base adapted to hold the base of the tin, a cover, a recess in the cover, means for securing the base of the tin in the recess, and a wire on the base adapted to engage the tin.

1,507,419. SCALE. LOUIS A. OSGOOD, Dayton, Ohio, assignor to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed May 13, 1921. Serial No. 469,108. 6 Claims. (Cl. 265—62.)

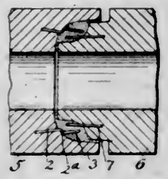


1. In a weighing scale in combination with a fulcrumed scale beam, an automatic load counterbalancing means therefor, of means for indicating the automatically counterbalanced load, of a tare beam carried by the main scale beam, of a poise slidable thereon, of a slidable rack carried by said tare beam and secured to said poise, and means for adjusting the rack longitudinally and thereby shifting the poise relatively to the beam fulcrum, said means comprising an operating member and a pinion meshing with the rack, said operating member and pinion being rotatively mounted upon said tare beam.

1,507,420. EXPANSIBLE-JOINT CONSTRUCTION. WALTER C. PARMLEY, Upper Montclair, and CHARLES GILMAN, Plainfield, N. J. Filed Feb. 13, 1919. Serial No. 276,854. 6 Claims. (Cl. 72—53.)

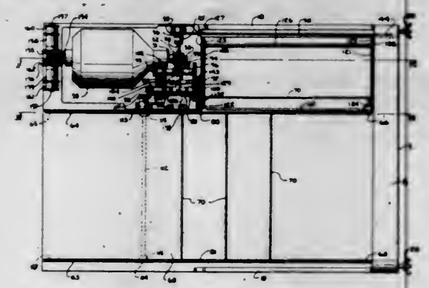
1. The combination of adjacent masses of concrete, of an expansible joint comprising a strip of ductile metal having its opposite edges imbedded in the concrete

masses and extending across the line of jointure, a portion of said strip between the edges thereof being free



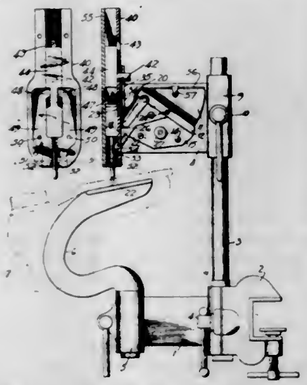
from adhesion to the concrete and positioned to be stretched or compressed by movement of the masses of concrete.

1,507,421. MINING MACHINE. RICHARD PEALE, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Mar. 24, 1921. Serial No. 454,986. 32 Claims. (Cl. 262—28.)



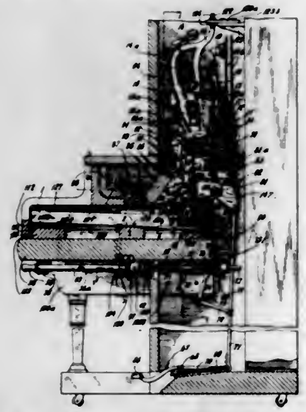
1. A mining machine including in combination, a flat, low machine frame constructed and arranged to be propelled on the ground, an endless guideway structure rigidly and permanently mounted at the front of said frame, a cutter chain running in said guideway, means for driving said chain, and for driving the frame along the ground to press the cutter chain into the work, said guideway and cutter chain being constructed and arranged to cut an endless kerf, the exterior boundaries of which are at least coextensive with the maximum cross-sectional area of the machine.

1,507,422. NAILING DEVICE. JOSEPH PETRICEK, Chicago, Ill. Filed June 21, 1922. Serial No. 569,833. 1 Claim. (Cl. 1—18.)



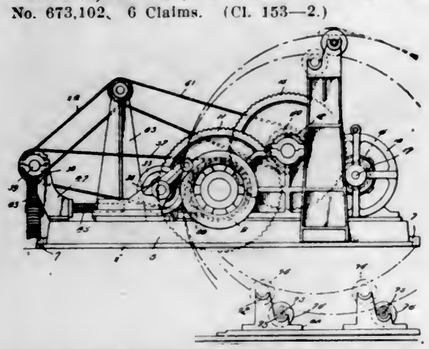
In a nailing device, a work support, a nail magazine, a nail chute registering therewith, a plate connecting said chute and nail magazine, nail-feeding mechanism associated with said plate for feeding the contents of said magazine into said chute, a recessed head plate formed with a perforation in alignment with the mouth of said chute, a reciprocating hammer arranged in the recessed portion of said head plate, twin levers arranged in said head plate and operatively associated with said hammer, said levers being formed with nail-receiving recesses in the plane of said hammer, and lever controlled mechanism for actuating said hammer.

1,507,423. TRANSPOSITION KEYBOARD. PAUL M. PIEL, New York, N. Y. Filed Oct. 15, 1920. Serial No. 417,256. 29 Claims. (Cl. 84—447.)



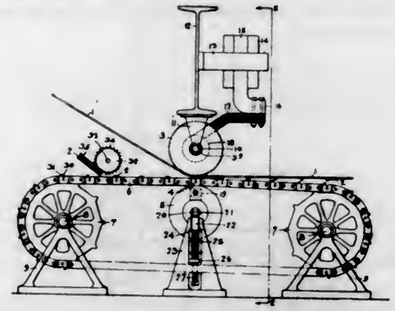
20. In a piano having a series of wippens offset from their keys, the combination with inclined abstracts bent to form horizontal bearings for articulation in wippen or on key, of guide-arms for said abstracts pivoted in each abstract, and pivots for the guide-arms at other fixed points offset from the abstract so that any tendency of the bent portions to yield will be effectively counteracted by the pull of said guide-arms.

1,507,424. COMBINATION BAND OR TUBE CORRUGATING AND FLANGING MACHINE. CARL B. PRITCHARD, Scottdale, Pa. Filed Nov. 6, 1923. Serial No. 673,102. 6 Claims. (Cl. 153—2.)



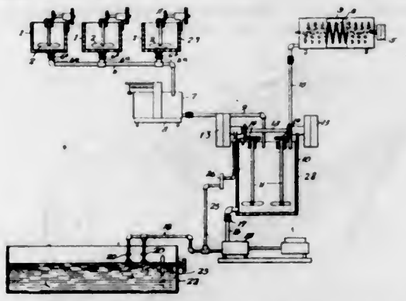
1. In a corrugating and flanging machine of the character described, a base, corrugating and flanging driving rolls mounted for rotation upon said base, corrugating and flanging forming rolls also mounted upon said base and adapted for respective cooperation with said driving rolls, means for actuating said driving rolls and simultaneously actuated means for controlling the slow movement of said forming rolls in a direction toward said driving rolls, and means for stopping the movement of said forming rolls either jointly or singly.

1,507,425. ELECTRIC WELDING MACHINE. WILLIAM EDGAR REED, Pittsburgh, and EDWARD L. BENEDICT, Sewickley, Pa., assignors to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 29, 1922. Serial No. 564,372. 16 Claims. (Cl. 140—112.)



1. Electric welding apparatus for applying stay members to a series of strand members, comprising welding means disposed on one side of said series, rectilinearly movable welding means at the other side of said series and movable in the same direction and at the same speed as said strand members, and means for continuously moving the last-named welding means.

1,507,426. MARGARINE AND THE PROCESS OF MAKING SAME. MARVIN C. REYNOLDS, Oak Park, Ill. Filed Feb. 26, 1921. Serial No. 447,984. 6 Claims. (Cl. 99—13.)

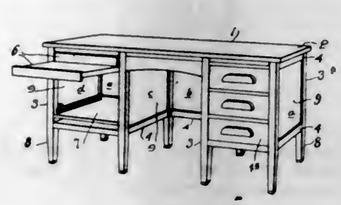


5. An article of food consisting of an intimate mixture of fatty substances and milk in which the ingredients are formed into small, substantially uniform crystals and crystalline aggregates, thereby producing a homogeneous substance of a velvety like smooth nature free from spots or lumpy particles, and retaining substantially all of the milk solids.

6. The process of manufacturing margarine which consists in forming a liquid emulsion from fatty substances and ripened milk, then separating said emulsion into discrete particles while in a liquid state and forcibly impinging said particles upon a cold liquid medium, maintaining the particles in a liquid state until the strike the liquid medium, whereby said particles are instantly solidified and become stabilized, and then moving these particles out of the way of the following particles.

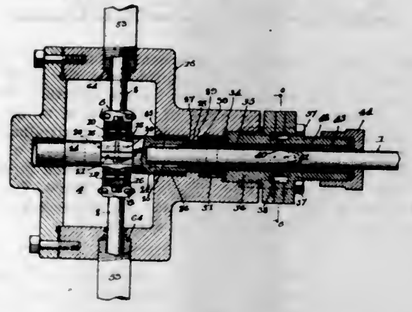
1,507,427. FURNITURE AND CABINET PANEL. FREDERICK R. ROSSITER, Dayton, Ohio, assignor or one-half to Harry Goldman, Middletown, Ohio. Filed Nov. 18, 1921. Serial No. 516,192. 2 Claims. (Cl. 45—6.)

1. In combination, a panel for furniture and cabinets consisting of a thin metallic sheet having a central rectangular portion and marginal portions extending from each side thereof, the marginal portions on two of the opposite sides being bent terminating at distances remote from the other ends of the sheet, whereby the marginal portions on the other sides of the sheet form tongues lying in the plane of the central portion, and a frame comprising side and end members, said side members each having each end mortised and provided on their inner edges with grooves extending from one mortise to the other and of the same width as said mortises, said grooves being of proper size to receive the bent marginal



portions of the panel, the end members having at each end a tenon fitting the respective mortises and being provided with narrow grooves extending from end to end and having each one side co-terminus with a respective side of the grooves in the first mentioned side frame members and being of substantially the same thickness as the metallic sheet to receive the straight tongue marginal portions thereof, the bent marginal portions having their ends terminating under the end members of the frame.

1,507,428. ICE MACHINE OF THE COMPRESSION TYPE. HERMAN W. ROTTEL, Milwaukee, Wis. Filed Sept. 20, 1919. Serial No. 325,247. 6 Claims. (Cl. 286—8.)

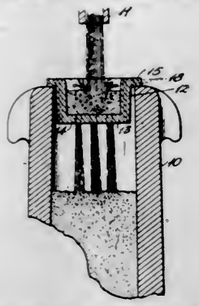


6. A rod stuffing box including a flexible cup surrounding said rod to be sealed, a lantern, the sealing portion of said cup having wedging engagement with said lantern, means for applying fluid pressure to the exterior of said cup, and means for applying pressure longitudinally of the cup to maintain said sealing portion in wedging engagement with said lantern.

1,507,429. APPARATUS AND METHOD FOR CASTING METAL PRODUCTS. ANDREW R. ROWE, Portsmouth, Ohio. Filed Mar. 17, 1923. Serial No. 625,855. 4 Claims. (Cl. 22—19.)

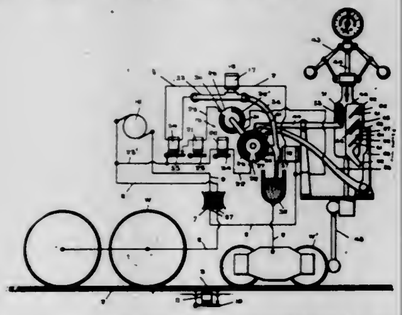
1. In an apparatus for casting metal, a mold having an open top, a reservoir of relatively lighter material than the material being melted, said reservoir being loosely seated in the top of said mold, said reservoir projecting downwardly into the top of the mold and having an integral bottom with perforations therein, there being

vents provided between the exterior walls of the reservoir and the walls of the mold whereby when the ma-



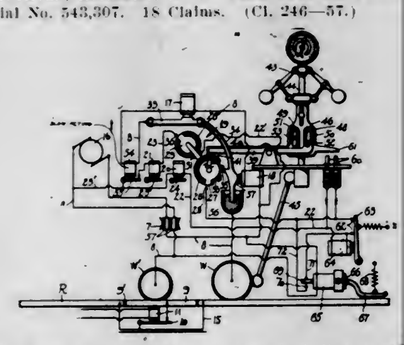
terial being moulded is poured in said reservoir, it may pass through the holes in the bottom thereof and the air in the mold escape through said vents.

1,507,430. SIMPLEX TRAIN CONTROL. ALFRED L. RUTHVEN, Rochester, N. Y. Filed Sept. 6, 1921. Serial No. 498,609. 28 Claims. (Cl. 246—57.)



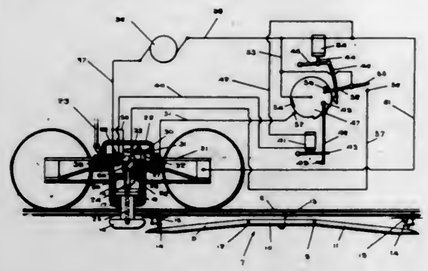
12. A vehicle controlling equipment including a movable controlling device, means controlled from the track for automatically moving said device in one direction, means for controlling the movement of said device in the opposite direction, and means operable for controlling the lastnamed means below a predetermined speed of the vehicle and requiring a predetermined reduction in speed at any speed below said predetermined speed, for the operation of said lastnamed means for the movement of said device in the second named direction.

1,507,431. SIMPLEX TRAIN CONTROL. ALFRED L. RUTHVEN, Rochester, N. Y. Filed Mar. 13, 1922. Serial No. 543,307. 18 Claims. (Cl. 246—57.)



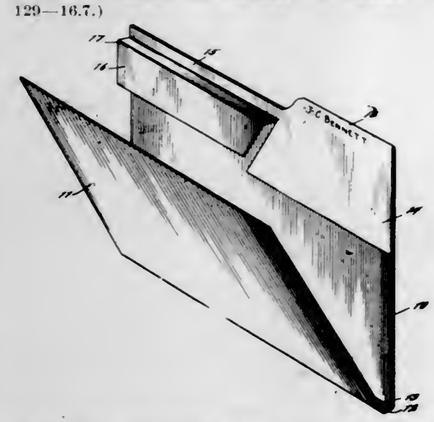
17. Vehicle controlling apparatus including a rail or conductor having insulated isolated sections and main sections, controlled bridges for connecting the isolated and main sections across the insulation, and a vehicle controlling equipment including a circuit normally closed by said rail or conductor and having a contact member to pass over said isolated sections and to open the circuit one or more times when the bridges are opened, and means operated by the breaking and closing of said circuit one or more times for producing progressive controlling conditions.

1,507,432. SIMPLEX TRAIN CONTROL. ALFRED L. RUTHVEN, Rochester, N. Y. Filed June 26, 1922. Serial No. 571,063. 17 Claims. (Cl. 124—180.)



10. Vehicle controlling apparatus including a ramp, and a vehicle controlling circuit arranged to include said ramp and a rail of the track in passing the ramp, said ramp being constructed and arranged for the breaking of said circuit one or more times in passing the ramp.

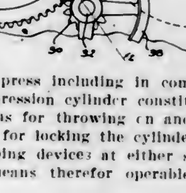
1,507,433. FILE FOLDER. ADOLF H. SCHAFFERT, Rochester, N. Y., assignor to Yawman & Erbe Manufacturing Co., a Corporation of New York. Filed Aug. 30, 1923. Serial No. 660,089. 5 Claims. (Cl. 129—16.7.)



5. A folder comprising a blank folded to form a back and a front, the back being provided at the upper edge thereof with a flap having a free edge adapted to overlie the outer edges of papers in the folder, the upper edge of said back being also provided with a portion extending beyond said flap to provide a label tab, and a strip of material firmly secured to said label tab and adjacent portions of said back.

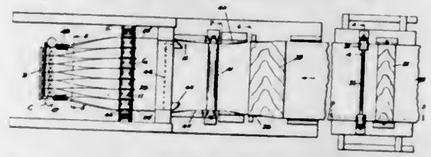
1,507,434. INSECTICIDE. GUSTAV SCHOLLMEYER, Cothen, Anhalt, Germany, assignor to the Firm: Chemische Fabrik Cöthen, Inhaber Emil Musche, Cothen, Anhalt, Germany. Filed Jan. 17, 1921. Serial No. 437,921. 7 Claims. (Cl. 167—6.)

5. As a new product, a solid mixture of naphthalene a substance adapted, on being heated, to develop formaldehyde vapors, and a substance adapted to promote combustion, the proportion being such that the mixture on being ignited will merely glow at a temperature below the flashing point of naphthalene.



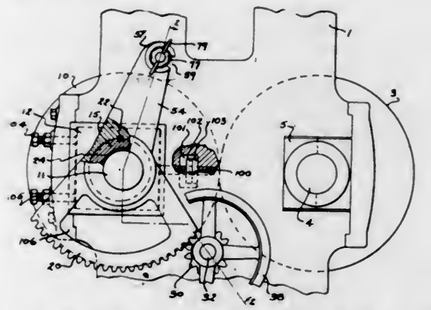
7. As a new article of manufacture, the combination of a conical candle containing naphthalene and a substance adapted to promote combustion, a primer on top of said candle, a metal box surrounding said candle and a grid closing said box and extending between said candle and said primer.

1,507,435. CELL-CASE MACHINE. HARVEY SEGUR, Chicago, Ill., assignor to Tite-Pack Filler Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 24, 1922. Serial No. 584,087. 17 Claims. (Cl. 93—37.)



1. In combination with a cell case machine arranged to cut and assemble longitudinal and transverse paper strips to construct the cell case, of mechanism for forming a flange on two of the outer strips thereof.

1,507,436. PRINTING PRESS. RALPH C. SEYMOUR, Short Hills, N. J. Filed Aug. 30, 1923. Serial No. 660,142. 20 Claims. (Cl. 101—247.)



1. A printing press including in combination a form cylinder and impression cylinder constituting a printing couple, and means for throwing on and off the impression, and means for locking the cylinders at impression comprising clamping devices at either side of the press and actuating means therefor operable from one side of the press.

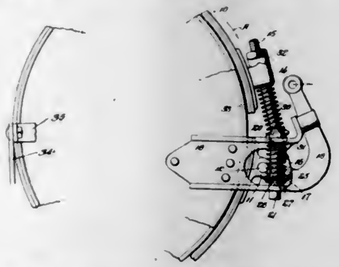
1,507,437. VALVE FOR AIR TUBES. GEORGE W. SHEELEY, Frederick, Md. Filed Aug. 9, 1922. Serial No. 580,715. 3 Claims. (Cl. 152—12.)

1. In a valve for air tubes, a main tube having a bore of relatively small diameter extending from its inner end, a cylindrical bore of larger diameter extending inward from its outer end, an enlargement at the inner end of the cylindrical bore of larger diameter, a hollow plug extending into the cylindrical bore of larger diameter from its outer end, terminating a substantial distance from the outer end of the enlargement and having a valve seat at its inner end, and a cylindrical valve adapted to fit the cylindrical bore of larger diameter and of a length not less than the distance between



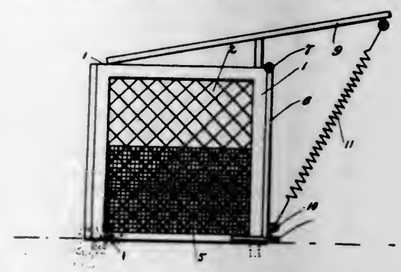
the inner end of the hollow plug and the outer end of the enlargement and provided on its outer face with a gasket adapted to fit against the valve seat on the inner end of the hollow plug.

1,507,438. BRAKE-BAND SUPPORT. GEORGE L. SMITH, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Jan. 31, 1924. Serial No. 689,743. 8 Claims. (Cl. 188—77.)



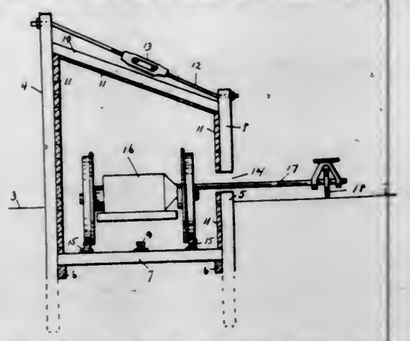
1. In a brake structure, a brake band adaptable for rotary movement in either direction, a toggle mechanism for contracting the band, and means for yieldingly resisting rotary movement of the band in either direction, said means including spring elements mounted on and independently of the toggle mechanism respectively.

1,507,439. STARTING CAGE FOR RACING DOGS. OWEN P. SMITH, Chicago, Ill. Filed May 16, 1921. Serial No. 470,080. 1 Claim. (Cl. 119—15.5.)



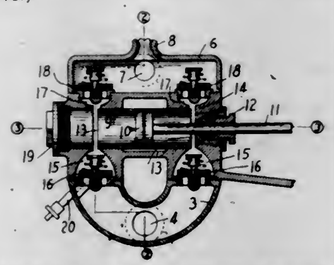
In a starting cage for racing dogs, a frame comprising a box-like structure divided into a plurality of compartments and comprising walls formed of wire mesh partially covered with fabric, individual rear doors for each of the compartments and a single front door hinged at its upper end to the top walls of the frame, divergent inclined members secured to the top of the said frame and extending upwardly and outwardly beyond the face of the front door and having their outer ends in the plane of the side walls of the box-like structure, springs secured to the outer ends of said inclined members and to the door and lying in the plane of the hinges, and a latch at the bottom of the cage for coaction with the lower edge of the front door to hold the front door normally closed against the tension of said springs, said springs adapted to raise the front door upon release of the latch.

1,507,440. HOUSING FOR CONVEYER CARS AND TRACKS. OWEN P. SMITH, Chicago, Ill. Filed May 24, 1921. Serial No. 472,312. 3 Claims. (Cl. 46—73.)



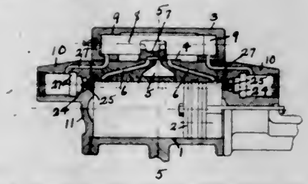
1. In a housing for covering tracks and cars having laterally extending arm operated upon said track, the combination of posts set in the ground at the sides of said track, timbers attached to said posts to form a frame, and boards attached to said timbers and posts to form a continuous enclosure above said track, and having a continuous opening in one side of said housing adapted to permit extension of the laterally extending arm therethrough, and truss rods attached to the closed side of the housing adapted to support the side of said housing above the said continuous opening.

1,507,441. PUMP. JACOB A. SNIDER, Dayton, Ohio, assignor to The Uniflow Pump & Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 26, 1921. Serial No. 495,621. 2 Claims. (Cl. 103—175.)



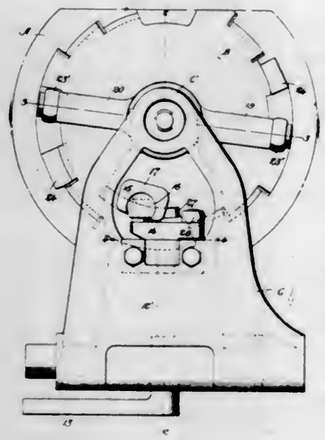
1. In a pump, a housing, a cylinder mounted in said housing, a piston mounted in said cylinder, said housing having a suction chamber beneath said cylinder, and a discharge chamber above said cylinder, the walls of said housing having portions extending inwardly at the respective ends of said cylinder to form relatively small passageways about the ends of said cylinders, which passageways communicate with said suction chamber and said discharge chamber, and valves to control said communication.

1,507,442. PUMP MOTOR. JOHN A. SPEARS, Grove City, Pa. Filed Sept. 10, 1921. Serial No. 499,778. 7 Claims. (Cl. 121—157.)



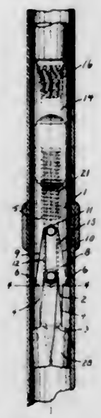
1. In a pump motor, the combination of a cylinder; a piston in the cylinder; a main valve controlling the flow of motive fluid to the cylinder; a valve motor actuating the valve having its movable element normally connected to an exhaust; and means comprising a valve mechanism actuated by the piston for admitting fluid under pressure momentarily to one side of the movable element to actuate the valve motor.

1,507,443. BREECH MECHANISM. HENRY J. STAMBAUGH, Troy, N. Y., and GEORGE M. MCCANN, Washington, D. C., assignors to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Dec. 31, 1923. Serial No. 683,753. 15 Claims. (Cl. 89—20.)



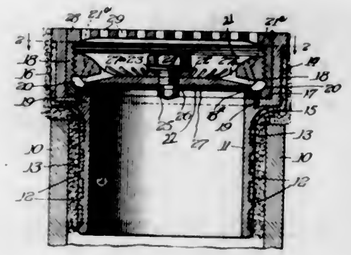
1. In a gun, the combination of a carrier, a threaded breech plug mounted on the carrier for both motions of rotation and translation with respect to the carrier, a shaft rotatable on the carrier, and devices directly operated by rotation of the shaft, when the threads of the plug are disengaged from the threads of the screw box of the gun, to simultaneously rotate and translate the plug.

1,507,444. SOLID-WEDGE UNDERREAMER. FRED SWAN, Marietta, Ohio. Filed July 3, 1923. Serial No. 649,341. 12 Claims. (Cl. 255—76.)



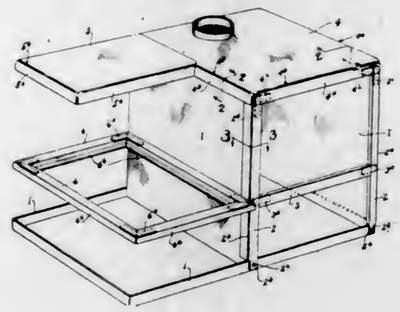
1. In an under-reamer, a reamer body having at its lower end a downwardly extending solid wedge and having abutments at the upper end of the wedge, oppositely arranged cutters having solid bodies having their rear faces adapted to bear against the faces of the wedge and having shanks extending upward from their bodies, the shanks of the two cutters overlapping one on the other and being pivotally connected, and means engaging the shanks for drawing the cutters upward to bring their upper ends against the abutments.

1,507,445. SEWER VALVE. AXEL R. SWANSON, Chicago, Ill. Filed Nov. 16, 1921. Serial No. 515,648. 5 Claims. (Cl. 251—160.)



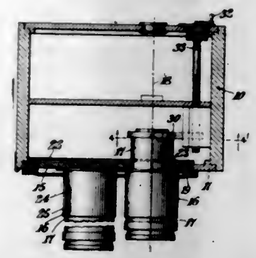
1. A cylindrical drain member, a valve guide in the upper portion of said drain member and a valve in engagement with said valve guide, an upper portion of said valve being of larger diameter than a lower portion thereof whereby a peripheral extending groove is formed around the valve at its lower side, the said valve having perforations therethrough connecting with said peripheral groove whereby when the said valve is open, water will drain therethrough and when closed prevents the flow of water therethrough.

1,507,446. STOVE STRUCTURE. THOMAS E. TAYLOR, Mansfield, Ohio, assignor to The Eclipse Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed Oct. 16, 1919. Serial No. 330,994. 2 Claims. (Cl. 126—39.)



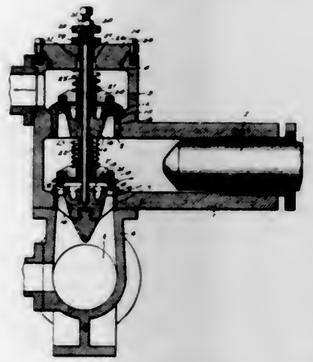
1. In a stove structure, a wall provided with an inset portion having an internal terminal flange, an overlapping wall resting on said inset portion of the other and provided with a companion flange, and tongues and recesses transversely cut and struck out from said flanges for locking the latter against relative longitudinal movement.

1,507,447. CAMERA. EDMUND WISNIEWSKI, New York, and ANTON STÖGER, Long Island City, N. Y. Filed Nov. 29, 1921. Serial No. 518,559. 6 Claims. (Cl. 95—45.)



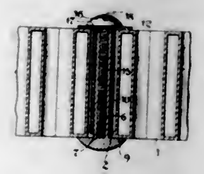
1. A camera having a rotatable turret plate and a plurality of lenses mounted therein, and focusing mechanism located at the rear of the camera and adapted to engage a selected one of said lenses.

1,507,448. VALVE-HOLDING DEVICE. ROSCOE H. ALDRICH, Allentown, Pa. Filed May 16, 1923. Serial No. 639,387. 6 Claims. (Cl. 277—61.)



1. In a valve structure, a casing provided with seat openings arranged in line, a valve seat for each opening, a valve member for each seat, a holding rod acting to force one of said seats into its opening, an independently acting tubular rod for forcing the other seat into its opening, and means for holding said rods in operative position.

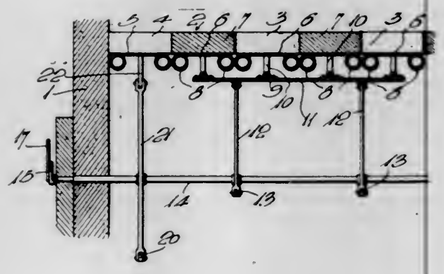
1,507,449. REPAIR DEVICE. MAX ANCHELEVICH, Evansville, Ind. Filed Oct. 16, 1923. Serial No. 668,868. 2 Claims. (Cl. 137—99.)



1. A repair device for the purpose set forth comprising a pair of telescopic closure members each having its outer end provided with a head, each of said members including a shank, one of said shanks provided with a socket for

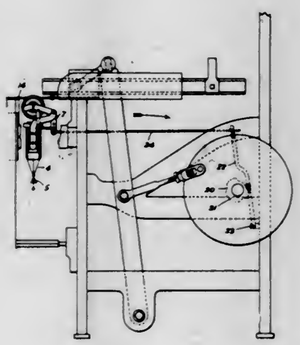
the reception of the other of said shanks and the last mentioned shank provided with a socket formed with a threaded wall, and a removable coupling member including a threaded shank extending into the last mentioned shank and engaging the threaded wall of said socket for detachably connecting said closure members in operative position, the shanks of said closure members being polygonal in cross section and the shank of said coupling member being cylindrical.

1,507,450. AIR CONTROL FOR LIQUID-FUEL BURNING FURNACES. CHARLES A. ANDERSON, New Orleans, La. Filed Feb. 8, 1923. Serial No. 617,895. 6 Claims. (Cl. 158—4.)



1. A liquid fuel burning furnace having a plurality of relatively small air inlet openings spaced apart over the greater part of the area of its floor, the front end of said floor having relatively large air inlet openings; damper plates for controlling said openings, and means for simultaneously operating all of said damper plates and for moving the plates of said relatively large openings a greater amount than the other plates.

1,507,451. APPLIANCE FOR LUBRICATING THE PILE WIRES EMPLOYED IN JACQUARD AND LIKE LOOMS FOR WEAVING CARPETS, RUGS, OR OTHER LIKE FABRICS. CHARLES RAULK, Bridgnorth, England. Filed Oct. 29, 1923. Serial No. 671,430. 6 Claims. (Cl. 139—45.)

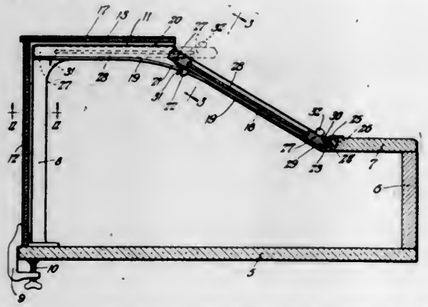


1. An appliance for lubricating pile wires of looms, comprising a holder for lubricant, a bracket upon the holder, an arm fulcrumed to the bracket, a roller brush rotatably mounted in the arm, and means for causing said brush to peripherally engage with the lubricant.

1,507,452. ZIRCONIUM STEEL AND PROCESS OF MAKING SAME. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Aug. 11, 1922. Serial No. 581,285. 7 Claims. (Cl. 75—1.)

1. Process of treating steels containing sufficient sulphur to cause red-shortness, comprising adding zirconium thereto in proportion sufficient to counteract to a substantial degree the detrimental effect of the sulphur.

1,507,453. DISPLAY CASE. SAMUEL BERMAN, Chicago, Ill. Filed Apr. 30, 1923. Serial No. 635,603. 5 Claims. (Cl. 211—9.)



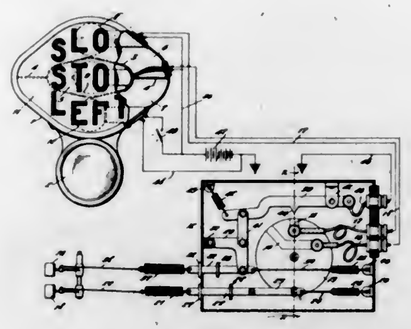
1. In a display case, guide members comprising substantially horizontally extending straight portions, inclined straight portions and curved portions joining said horizontally extending and inclined portions, and doors slidably mounted between said guide members, said guide members having lower flanges comprising horizontally extending guiding and supporting flange portions, inclined guiding and sealing flange portions and curved guiding flange portions joining said horizontally extending flange portions and said inclined flange portions, said doors sliding on said flanges.

1,507,454. AUTOMATIC PUMP CONTROL. MCMASTER SYLVESTER BLACKBURN, San Antonio, Tex., assignor to McMaster Sylvester Blackburn and J. S. Arrington, trustees for the Petroleum Engineering Company, a Common Law Trust Company. Filed Apr. 30, 1923. Serial No. 635,627. 15 Claims. (Cl. 103—40.)



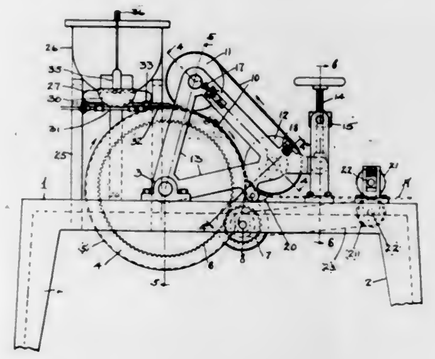
1. The combination with a well pump having a standing valve; of means controlled by the quantity of liquid in the well for automatically holding said standing valve open when the liquid level has lowered to a predetermined extent.

1,507,455. AUTO SIGNAL. BENJAMIN BLACKMORE, Akron, Ohio. Filed Oct. 25, 1922. Serial No. 596,914. 5 Claims. (Cl. 200—59.)



1. A signal circuit closing means, comprising a rotary member, a pair of contacts on the rotary member, a contact lever adapted to engage either of said contacts, and means adapted to connect said lever with the brake pedal of an automobile and the rotary member with the clutch pedal of the automobile.

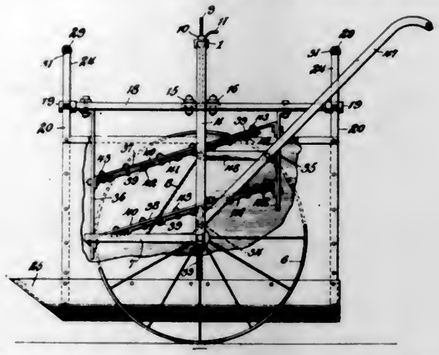
1,507,456. STRIP-CASTING MECHANISM. CLAIR H. BRASTED, East Cleveland, Ohio, assignor, by mesne assignments, to The Ludlow Typograph Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1918. Serial No. 253,915. 18 Claims. (Cl. 207—12.)



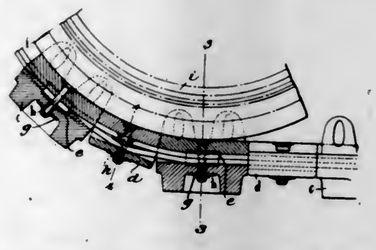
1. In apparatus for forming a strip or the like direct from molten metal, the combination with a suitably supply of such metal; of a rotary disk provided with a molding groove in its outer face, a nozzle adapted to discharge a graduated stream of metal into such groove; and a member contacting with such face of said disk to close a section of such groove adjacent said nozzle, said member being movable conjointly with the disk face wherewith it thus contacts and also being bodily angularly adjustable about the axis of said disk.

1,507,457. ROLL-WEEVIL MACHINE. ARTHUR BRIGDEN, Birmingham, Ala. Filed Feb. 14, 1922. Serial No. 536,601. 28 Claims. (Cl. 43—133.)

1. A device of the class described, comprising a wheeled supporting frame, a separate frame supported thereon, hangers mounted on said separate frame and carrying troughs, inwardly-extending fingers carried by the separate frame above the troughs, and means for automatically adjusting the fingers toward and from each other transversely of the frame and independently of the fingers.



1,507,458. ENDLESS TRACK FOR VEHICLES. JOHN TUTHILL DREYER, London, England, assignor to The Variable Speed Gear Limited, London, England. Filed Nov. 8, 1923. Serial No. 673,561. 6 Claims. (Cl. 305—10.)



1. An endless track for vehicles comprising an endless flexible member and a plurality of shoes loosely mounted thereon for longitudinal movement.

1,507,459. BOBBIN RETAINER. LOUIS ALEXANDRE CADORET, Pawtucket, R. I. Filed Apr. 16, 1923. Serial No. 632,444. 4 Claims. (Cl. 139—206.)

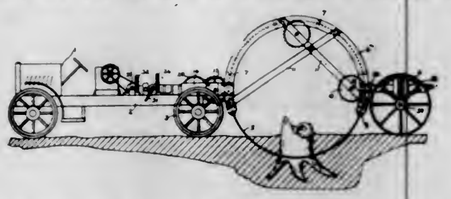


2. A bobbin retainer of the character specified, formed from a single length of wire bent between its ends to provide attaching arms, portions of said arms adjacent the outer ends thereof being bent to provide substantially U-shaped portions for accommodating a portion of the head of the bobbin, the wire beyond said U-shaped portions being directed at right angles to provide portions for reception in the usual groove of said bobbin head.

1,507,460. ROTARY HOOP SAW. JOHN T. CARROLL, Houston, Tex. Filed June 17, 1921. Serial No. 478,399. 6 Claims. (Cl. 143—85.)

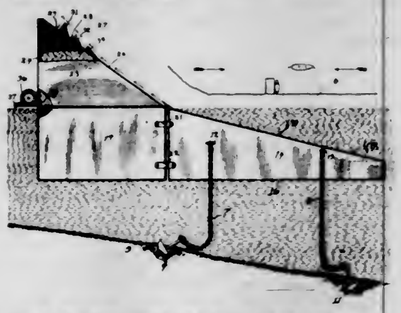
1. In a device of the character described, a support, an arcuate frame thereon, a circular hoop saw mounted

for rotation thereon, means to rotate said saw comprising a toothed wheel mounted outside the circle of said saw and placed to fit within spaced openings in



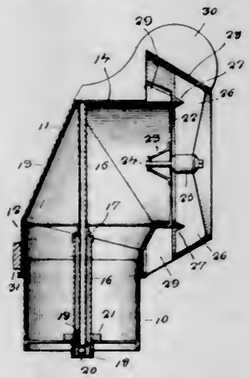
said blade, an operating shaft to rotate said wheel and means to swing said frame on the axis of said operating shaft.

1,507,461. COMBINED FLOATING BREAKWATER AND POWER GENERATOR. ROBERT P. CHASE, Montara, Calif. Filed July 12, 1922. Serial No. 574,507. 3 Claims. (Cl. 61—20.)



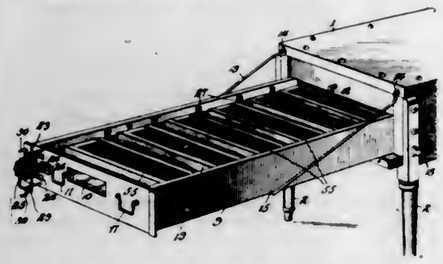
1. In a floating break water, a tank adapted to act as a float, a tapered tank secured to said first mentioned tank, a weight provided at the forward end of said tapered tank for the purpose of retaining the tapered portion of said tank at a point beneath the surface of the water, a third tank mounted on said first mentioned tank, and means for filling said third mentioned tank through the action of waves contacting therewith.

1,507,462. VENTILATOR. JOSEPH LOUIS CHILDERS and FREDDIE ARLAUD, Sand Springs, Okla. Filed Oct. 8, 1918, Serial No. 257,423. Renewed May 10, 1924. 1 Claim. (Cl. 98—2.)



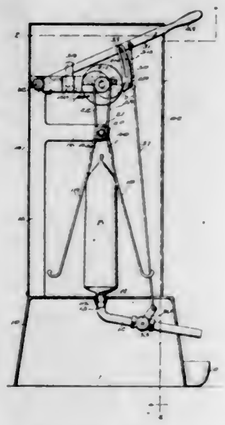
A ventilator of the class described comprising a stationary base, a cowl rotatably mounted on the base and including a horizontally disposed portion, a spider secured within the horizontal portion and arranged adjacent the open end thereof, a bracket projecting inwardly from the spider and providing a bearing, a shaft rotatably mounted in the bearing of the bracket and extending through the spider, a fan carried by the shaft and having its blades notched to accommodate the edges of the horizontal portion, means surrounding the fan for collecting air therefor, and a counterbalancing weight carried by the cowl as and for the purpose specified.

1,507,463. INCUBATOR. PEHR CHRISTIANSSON, Carlos, Minn. Filed Jan. 18, 1923. Serial No. 613,383. 7 Claims. (Cl. 119—44.)



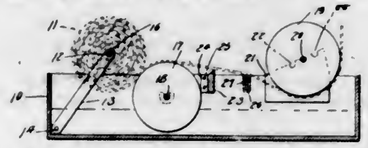
1. In an incubator, an egg chamber, a plurality of trays in said chamber for receiving eggs, each tray having trunnions on which it is revoluble, and a sprocket wheel secured thereto, a sprocket wheel revolubly mounted outside the chamber, a sprocket chain connecting all of said sprocket wheels, a ball secured to the outside sprocket for oscillating the same to turn the trays, and means for limiting the movement of the ball in each direction.

1,507,464. DISPENSING DEVICE FOR COLLAPSIBLE CONTAINERS. JOHN H. CLEGG, Suffern, N. Y. Filed July 7, 1922. Serial No. 573,296. 1 Claim. (Cl. 221—60.)



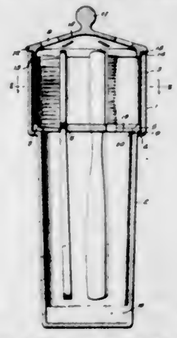
In a device for dispensing substances packaged in collapsible containers, mechanism for exerting a pressure on the container comprising a pair of forceps, a manipulating means operable to successively effect the closure of said forceps, said manipulating means comprising extensions on the forcep jaws, a rotary shaft between said extensions, oppositely disposed cams on the shaft, a ratchet wheel secured to the shaft, an arm loosely mounted on the shaft having a spring pressed pawl, and a manipulating lever engageable with said arm for successively moving the same in opposite directions.

1,507,465. PAPER-PASTING MACHINE. DANIEL COLLINS, Baker, Oreg. Filed Oct. 30, 1922. Serial No. 597,881. 2 Claims. (Cl. 91—14.)



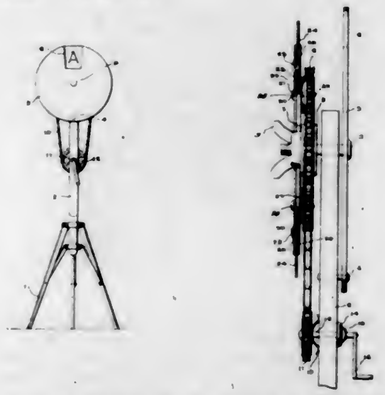
1. An adhesive-applying machine having a reservoir to contain adhesive, an applicator to travel in the adhesive and transfer the same to material passed thereover, an idler under which the material passes, and bearing means for the idler having a plurality of bearing notches at different elevations for mounting the idler.

1,507,466. TOOTHBRUSH HOLDER AND STERILIZER. WALTER H. COLLINS, Summit, N. J. Filed Apr. 11, 1923. Serial No. 631,428. 5 Claims. (Cl. 206—15.1.)



1. A tooth brush holder, comprising a container formed with a shoulder, a cover for the container, a plate arranged in the container and mounted on said shoulder for receiving tooth brushes with the bristle portions thereof supported above the plate, said plate being formed with an aperture for each tooth brush, and a depression adjacent each aperture, said shoulder and plate being spaced downwardly from the top of the container sufficiently to accommodate that part of the tooth brush supported above the plate.

1,507,467. CHART. JAMES VICTOR CONOVER, Paoli, Okla. Filed Feb. 2, 1923. Serial No. 616,627. 3 Claims. (Cl. 35—2.)



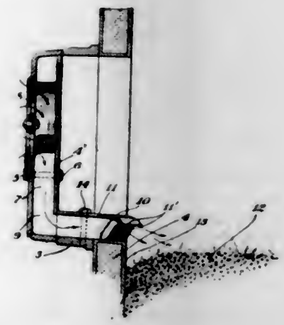
1. In an educational chart, a support, a member having a sight opening fixed thereto, a wheel journaled on the support, to the rear of the member, a pair of ring members, cards bearing educational problems positioned between said rings, means for removably securing the rings and cards to the wheel, means between the wheel and one of the rings for causing the latter to exert a pressure toward the other ring to bind the card therebetween, means for revolving the wheel to bring the cards successively to view through the sight opening, and means for locking the wheel to hold the same from movement when the cards are so positioned.

1,507,468. SEED PAN. RODNEY M. COOP, Gadsden, Tenn. Filed Feb. 18, 1922. Serial No. 537,494. 2 Claims. (Cl. 56—207.)



1. A seed pan for mowing machines having a receptacle and means for pivotally mounting the front edge thereof upon the finger bar of a cutting mechanism, a screening cover for the receptacle provided with openings for the reception of seed dropped from plants engaged by the cutting mechanism and passing over the surface of the cover, the means for pivotally mounting the receptacle consisting of a pivot rod disposed parallel with the cutter bar, and a reinforcing rod formed with terminal eyes pivotally engaging the pivot rod and being crimped into the side walls of the receptacle to reinforce the same.

1,507,469. FURNACE. JOHN M. CORSON, Brooklyn, N. Y. Filed Jan. 15, 1924. Serial No. 686,424. 5 Claims. (Cl. 110—175.)

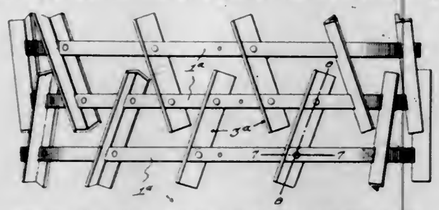


5. The combination with a furnace having a fuel inlet and a door normally closing said fuel inlet, said door having an air inlet at its intermediate portion, a plate secured to the back of the door, webs spacing the plate from the back of the door, said webs forming a plurality of flues whereby the air entering the air inlet is directed downwardly and spread laterally, and a webbed plate secured to the bottom of the fuel inlet and forming flues communicating with the first-mentioned flues whereby the air is directed into the furnace at the bottom of the fuel opening.

1,507,470. TRACTION-INCREASING MEANS FOR TRACTION ENGINES. HARRY V. CROSLEY, Roundup, Mont. Filed Aug. 13, 1923. Serial No. 657,074. 4 Claims. (Cl. 301—40.)

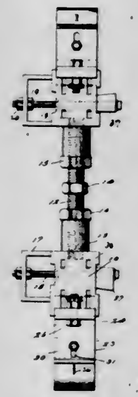
2. In traction increasing means for traction wheels, arcuate carrying straps arranged in parallelism, and spaced lugs arranged on and at an angle to the straps;

the said lugs being of angular cross-section and each having a base portion arranged at the inner sides of and



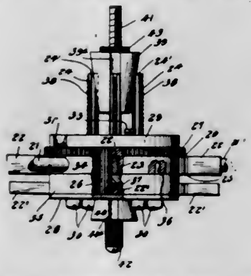
connected to the straps and also having an outwardly extending portion with apertures snugly receiving the straps.

1,507,471. GIN LEG. JOE DINES, Tempe, Ariz. Filed Feb. 26, 1923. Serial No. 621,493. 3 Claims. (Cl. 19—48.)



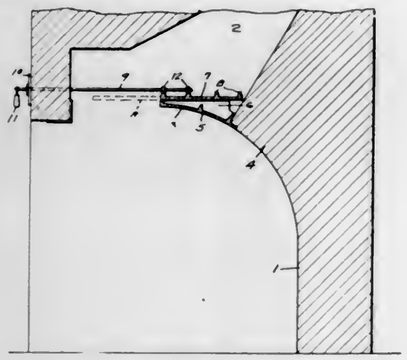
3. In a device of the class described, a rod, a frame including a socket portion having adjustable connection with the rod, a wedge adjustable transversely of the frame and rod, spaced elements on opposite sides of the wedge, a bearing block adjustable upon the transverse movement of the wedge, means inclosing the bearing block and cooperating with one end thereof for forming a complete bearing, an extension carried by the frame, an adjustable rod passing through the wedge and through said extension, and means engaging the rod and extension for maintaining the adjustment of the wedge.

1,507,472. ADJUSTABLE TAP AND DIE. THOMAS J. DOWD, New York, N. Y. Filed Aug. 31, 1922. Serial No. 585,395. 13 Claims. (Cl. 10—142.)



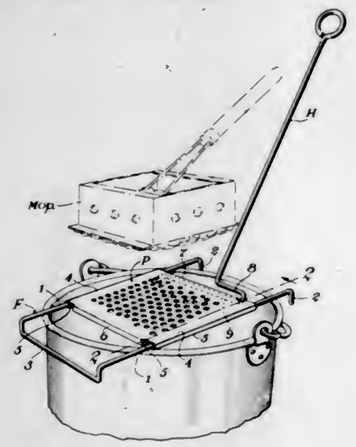
5. A thread cutting tool having a head consisting of a body disk provided with radial operating arms and oppositely disposed retainer disks connected by retaining screws extending through the body disk, bit shanks fitted in radial guides in the body disk and provided with rack teeth, pinions mounted in openings in the body disk and in mesh with the racks of the shanks, said pinions being terminally confined by the retainer disks, and a common adjusting ring revolubly mounted upon the head in internal meshing relation mutually with said pinions for effecting simultaneous adjustments of the bit shanks, tapping cutter bars being carried by the inner end of the bit shanks in parallelism with the axis of the head.

1,507,473. FIREPLACE. GEORGE F. DRAY, Santa Ana, Calif. Filed Nov. 5, 1923. Serial No. 672,951. 2 Claims. (Cl. 126—120.)



1. The combination with a fireplace formed with an arched back and having a flue, of a transverse arch plate arranged in continuation of the arch of the fireplace, and a damper slidably mounted upon the arch plate for movement into and out of a position in extension of the arch of the fireplace.

1,507,474. MOP WRINGER. JOHN FRANK ETTER, Chambersburg, Pa. Filed Apr. 7, 1923. Serial No. 630,525. 1 Claim. (Cl. 15—261.)



A mop wringer comprising a substantially U-shaped frame, the intermediate portion thereof being offset with respect to the side members, the free extremities of the side members being continued by arms disposed in the same general direction as the offset of the intermediate portion of the frame, said side members of the frame being of a length to permit the same being supported upon a bucket, a plate secured to the side members and

bridging the space therebetween, said plate being of a length less than the side members, one end marginal portion of the plate having a tubular flange disposed thereinlong, an elongated handle having one end portion provided with a laterally extending arm disposed through said flange, said arm having an angularly disposed extension for contact from below with the plate to limit the swinging movement of the handle when raised into working position.

1,507,475. NOSE WASHER. ERNEST FLAGG, New York, N. Y. Filed Mar. 7, 1923. Serial No. 623,511. 3 Claims. (Cl. 128—232.)



1. A nose washing device which includes a tubular member extending into the nose, a cap or diaphragm on the end thereof to stop up the nasal passage, said member having passages therein beneath the cap to permit discharge of cleansing fluid therethrough, and means associated with the tubular member and movable to scrape the inner nasal surfaces whereby matter thereon will be removed and washed out by the cleansing fluid.

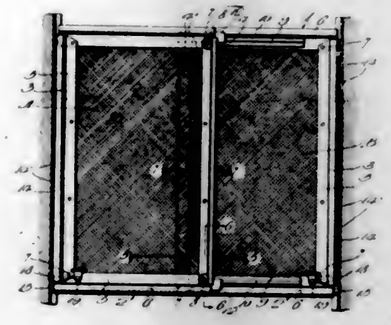
1,507,476. METHOD AND APPARATUS FOR MAKING DENTAL CROWNS. JOSEPH MICHAEL FLANIGAN, Shamokin, Pa. Filed Dec. 2, 1921. Serial No. 519,489. 4 Claims. (Cl. 22—97.)



1. A dental mold which comprises a plastic impression of a tooth to be crowned, a hollow shell-like matrix disposed over the impression of the tooth, and sealing material disposed around said matrix to seal the matrix in position over the impression whereby liquid metal can be poured into the matrix and the impression to form a mold for a metal tooth and a stem therefor.

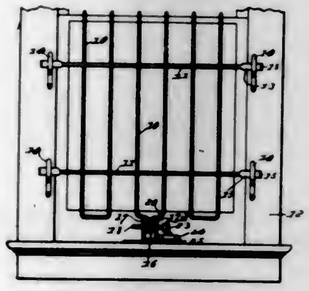
1,507,477. ADJUSTABLE WINDOW SCREEN. FRANK FRACCASCIA, Philadelphia, Pa. Filed Sept. 21, 1922. Serial No. 589,662. 2 Claims. (Cl. 156—38.)

1. A screen comprising a frame having upper and lower bars and side bars connecting the upper and lower bars, screening carried by said frame, said lower bar being provided with a hollow bead and leaves extending from said hollow bead for gripping the lower portion of said screening, a latch pin slidably mounted in the bead of said lower bar for movement longitudinally therein, a spring yieldably holding said pin with one end portion extended beyond the end of the lower bar, and an actuating lever for said pin pivotally carried by one of the leaves of the lower bar and extending into the bead and engaging the pin to cause inward movement thereof to an inoperative position when the lever is swung in one direction, said lever being disposed in a vertical plane and having its upper end portion bent to provide a side extension disposed in a horizontal



plane for permitting said lever to be readily grasped and after being moved to draw the latch inwardly constitute means for moving the screen upwardly.

1,507,478. BURGLARPROOF WINDOW GUARD. JOHN A. GRAY, East St. Louis, Ill. Filed June 23, 1921. Serial No. 479,793. 3 Claims. (Cl. 189—79.)



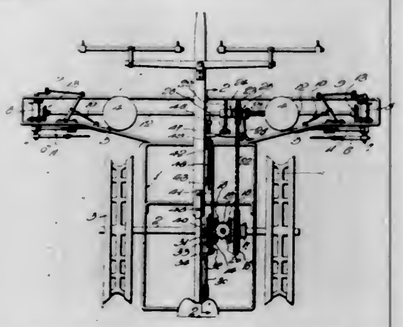
1. A device for the purpose indicated embodying a member longitudinally movable to effect removal and comprising a pair of rods forming a loop of which the looped end is extended to form an eye, and locking means for securing said member against longitudinal movement and consisting of spaced locking ears between which said eye is disposed when said member is in its normal position, and a locking pin passing slidably through said ears and said eye.

1,507,479. BALL RETURN FOR POCKET-BILLIARD TABLES. JOHN A. HAND, Cleveland, Ohio. Filed Feb. 15, 1923. Serial No. 619,091. 11 Claims. (Cl. 46—12.)



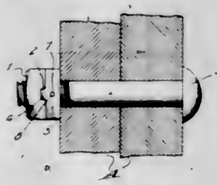
1. In a ball return attachment for pocket billiard tables, trough shaped ball receiving sections each made up of spaced bars, guide sleeves frictionally connecting said spaced bars, and suspending loop members extending about said bars.

1,507,480. MARKER-SHAFT-DRIVING MECHANISM FOR CORN PLANTERS. CHARLES D. HARNESS and CHARLES D. BRADSHAW, Lucasville, Ohio. Filed Apr. 23, 1923. Serial No. 634,060. 15 Claims. (Cl. 74—7.)



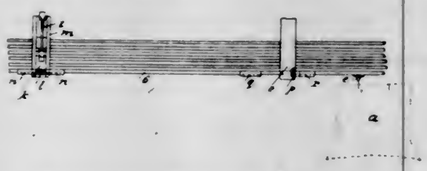
1. A mechanism of the class described comprising driving means including a power take-off member and a control device for advancing or retarding said power take-off member, driving connections operated by said power take-off member and including a clutch, and clutch operating connections between said control device and said clutch.

1,507,481. NUT LOCK. COURTLEY G. HARRIS, Paris, Ill. Filed Sept. 22, 1922. Serial No. 589,803. 2 Claims. (Cl. 151—24.)



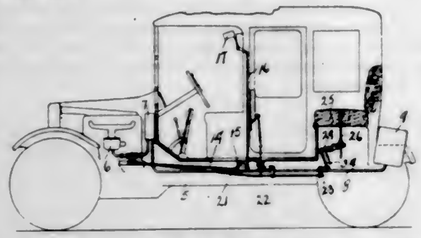
1. A lock nut of the class described comprising a nut having a notch in its under face, a locking member having a tongue for engaging the notch and a locking pin in the member for holding the same against movement.

1,507,482. THREAD-GUIDING DEVICE FOR COTTON KNITTING MACHINES. CURT HILSCHER, Chemnitz, Germany. Filed Aug. 26, 1921. Serial No. 495,811. 2 Claims. (Cl. 66—12.)



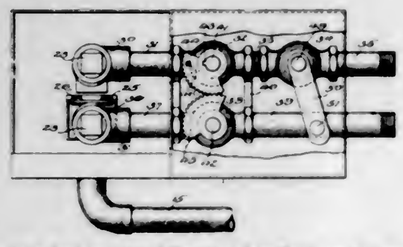
1. An improved thread-guiding device for Cotton knitting machines for the production of stockings with two heel parts comprising in combination thread guide rails for the knitting of the leg; an auxiliary thread guide rail for the knitting of the rows of loops between the heel parts, stops for the ends of the auxiliary rail, stops fixed on said rail for determining the length of travel of said rail and a stop on the machine within the range of travel of said rail, said stops on the auxiliary rail working together with said stop of the machine for determining the working travel of said auxiliary thread guide rail.

1,507,483. TAXIMETER FUEL-CONTROL MECHANISM. JOHN A. HOLMQUIST, New York, N. Y. Filed June 8, 1923. Serial No. 644,274. 3 Claims. (Cl. 180—82.)



1. A taximeter fuel control mechanism in combination with the seat and fuel supply system of a motor vehicle, comprising a main fuel conduit, a by-pass conduit in communication with said main fuel conduit, a valve within each of the said conduits, means connecting the valve in the by-pass conduit with the indicator arm of a taximeter, and means operable by the seat to open and close the valve in the main fuel conduit.

1,507,484. OIL BURNER. FRANK HUMPHREVILLE, Atlantic City, N. J. Filed June 16, 1923. Serial No. 645,854. 2 Claims. (Cl. 158—78)



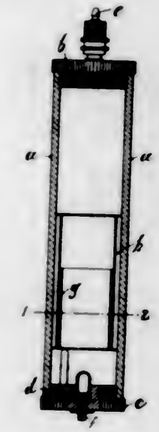
1. In a fuel burner of the type described, an air nozzle, an oil nozzle, means for simultaneously controlling the flow of air and oil to said air and oil nozzles, means for limiting the movement of said last-mentioned means, means for controlling the volume of oil flowing to the oil nozzle, said last-mentioned means comprising a valve arranged between the first-mentioned means and the oil supply, a lever for operating said valve, and adjustable means adapted for engagement with opposite sides of said lever to limit the movement thereof.

1,507,485. PEN AND PENCIL CLIP. EDWARD E. JENKINS, Baltimore, Md. Filed Nov. 21, 1923. Serial No. 676,010. 4 Claims. (Cl. 24—11.)



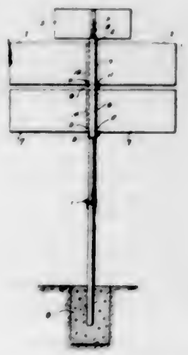
3. A pen or pencil clip comprising a flat volute coil of spring wire having an integral extension affording a gripping member, said wire coil having, extending from its central portion, an integral flattened portion adapted to be inserted in the cap of a fountain pen between such cap and a sleeve therein.

1,507,486. MEANS FOR ASCERTAINING THE POSITION OF PUNCTURES IN THE AIR TUBES OF PNEUMATIC TIRES. JOHN JONES, Littleborough, England. Filed June 25, 1923. Serial No. 647,516. 2 Claims. (Cl. 73—51.)



1. An apparatus for locating punctures, comprising a cylinder provided with means for connecting its end portions with an air tube and with an air pump respectively, and a removable chamber provided with perforated ends and inserted in the said cylinder, said chamber being adapted to contain combustible material which emits smoke when ignited.

1,507,487. SIGN. CLAUDE W. KLITZ, Aberdeen, S. Dak. Filed May 24, 1923. Serial No. 641,152. 1 Claim. (Cl. 40—39.)



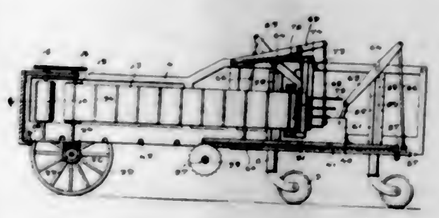
A sign having a post, sign blades disposed to extend on opposite sides thereof, the inner edge portions of the sign blades overlapping each other and being secured together, each blade extending a considerable distance from its inner edge portion laterally beyond the inner edge portion of the adjacent blade, said portions being outwardly depressed to form a tube fitting the post, means on the post preventing downward displacement of said blades, a tip, a sign blade carried by said tip contrasting with the first mentioned sign blades, and said tip having a socket engaging the upper end of said post and overlapping the first mentioned sign blades to prevent upward displacement thereof.

1,507,488. EXTENSION BOLT. EMIL EDWARD KRALMER, Hicksville, N. Y. Filed May 9, 1922. Serial No. 559,564. 2 Claims. (Cl. 90—59.)



1. In combination with a table provided with T-slots, a device of teh class described, comprising a sleeve having an internal opening extending longitudinally therethrough, a head formed on the lower end of said sleeve and shaped to fit into the T-slots in said table, a stud bolt for engaging in the opening in said sleeve, a lock nut mounted on the lower end of said stud bolt for locking it in position in the sleeve, and means mounted on the upper end of the stud bolt to clamp an article on the table.

1,507,489. SHOCKING MACHINE. WILLIAM D. KESSELRING, Topeka, Kans. Filed Nov. 9, 1920. Serial No. 422,875. 3 Claims. (Cl. 56—410.)



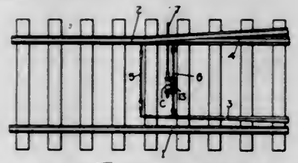
1. A shocker attachment for self binding harvesters, including means for receiving horizontally delivered bundles of grain; of conveyor means for turning the bundles to a vertical position and for moving the same longitudinally in one direction, a cradle having upper and lower sections for receiving the bundles, a platform between the cradle sections, means for moving the platform longitudinally to permit of the lowering of the lower section of the cradle and the shock thereon, means for raising the upper section of the cradle when the lower section thereof has been lowered, automatic means for returning the cradle sections when the shock has been delivered, and means for automatically returning the platform to initial position.

1,507,490. PISTON. WILLY KÜCHEMANN, Berlin-Wilmersdorf, and FRANZ WUCHERER, Berlin-Charlottenburg, Germany. Filed Feb. 27, 1924. Serial No. 695,495. 9 Claims. (Cl. 74—108.)



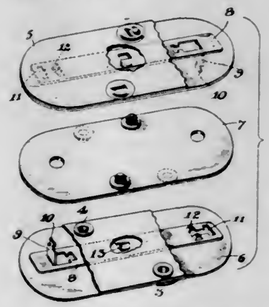
1. A piston comprising a hollow body, a piston pin extending across said body, and means movable longitudinally of the piston for increasing the outer diameter thereof only at opposite points to cause said body to be deformed into other than a circular configuration.

1,507,491. SWITCH THROW-ROD CONNECTION. EDWIN C. LARRY, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,679. 10 Claims. (Cl. 246—450.)



1. A throw-rod connector comprising, an elongated casing having open ends and provided with an internal abutment near its middle and having a drainage opening near said abutment and oil holes near its ends, a throw-rod extending through said casing provided with adjustable stops adapted to engage said abutment, and cap members closing the ends of said casing and said oil holes.

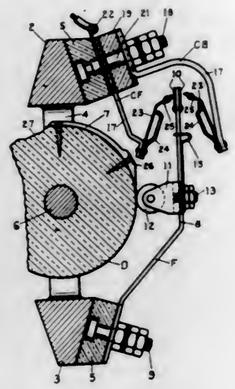
1,507,492. KEY CASE. EDWARD LA VINE, Los Angeles, Calif. Filed Mar. 31, 1923. Serial No. 629,125. 14 Claims. (Cl. 150—40.)



1. A key case comprising in combination, a pair of walls between which keys are adapted to be housed, spacing elements between the walls at either end thereof on which keys are adapted to be swingably suspended, said elements each constituting a lateral projection at one end of each wall and having a T-head terminal, and a T-head slot at the other end of each wall to receive the T-heads of the respective projections.

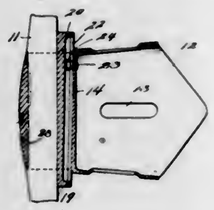
1,507,493. CIRCUIT CONTROLLER FOR SEMAPHORE SIGNAL MECHANISMS. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Nov. 18, 1920. Serial No. 424,924. 7 Claims. (Cl. 246—253.)

6. A circuit controller for semaphore signal mechanisms, comprising relatively movable contact members, one member having a spring and a retainer, said members being arranged to cause flexing of the spring and relative sliding movement of the contacting parts of said members



when they are pressed together, and a drum for operating said members, said drum having projections thereon at different radial distances.

1,507,494. PICK-HEAD FASTENER. WILLIAM D. LEWIS, Plymouth, Pa. Filed July 2, 1923. Serial No. 649,147. 1 Claim. (Cl. 306—40.)

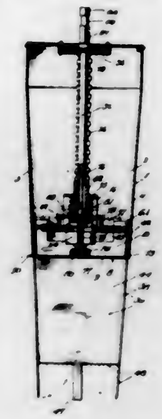


A device of the character described comprising a helve socket having an outer closed end and a stirrup projecting beyond said closed end, a wedge slidable through the stirrup and having a channel extending longitudinally thereof and formed with closed ends, the wedge including a plate secured thereto and formed with a longitudinal slot of less width than the channel and also provided with bendable projecting portions extending inwardly at opposite sides of the slot at one end, and a pin secured to said outer closed end of the socket adjacent one side edge of the latter and provided with a head of greater extent than the slot of the plate and freely movable in the channel of the wedge, the pin being inserted between the bendable projecting portions at one end of the opposite sides of the slot in the plate and said projections bent inwardly to close the slot and hold the pin in connection with the plate and wedge.

1,507,495. MEASURING AND DISPENSING APPARATUS. HERBERT W. LUSTIG, Youngstown, Ohio, assignor to Joseph J. Lustig, Saranac Lake, N. Y. Filed Jan. 17, 1923. Serial No. 613,196. 23 Claims. (Cl. 107—48.)

1. In apparatus for extracting measured quantities of a commodity from a mass of the same, a casing having a bottom plate adapted to rest upon the mass of the commodity, a plurality of blades mounted in the casing

to be projected and extracted past the bottom plate, the blades when projected being adapted to penetrate the mass and enclose a portion thereof of definite form and



volume, and means mounted in the casing including a reciprocating head carrying the blades to actuate the blades.

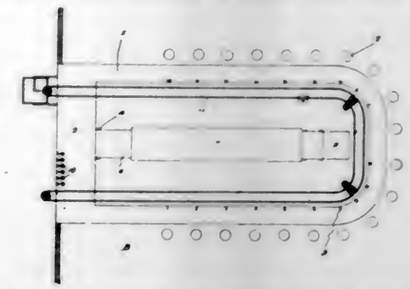
1,507,496. REFLECTOR. CLAUDE A. MALLORY, Madison, S. Dak. Filed June 7, 1922. Serial No. 566,454. 4 Claims. (Cl. 240—1.)



1. A device of the class described comprising a frame, a plurality of reflectors in the frame, each reflector consisting of a base formed of a single piece of material formed into a flat pyramid, mirror strips resting against the inner sides of the pyramid, flanges on the base bent over the mirror strips to hold them in place, flanges on the base adapted to be secured to the frame and to flanges of other bases and an electric lamp associated with each reflector.

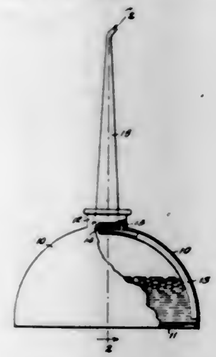
1,507,497. CAFÉ SYSTEM. JAMES AVERY MARTIN, Birmingham, Ala. Filed Aug. 21, 1922. Serial No. 583,398. 1 Claim. (Cl. 156—1.)

A café system of the character described comprising a substantially U-shaped table, disposed within a dining room and having one end arranged adjacent an opening formed in the wall of a kitchen, a flat top frame interposed between the sides of the table, a pair of conveyors arranged in superposed horizontal relation between the sides and below the flat top of the frame, a receiving table transversely disposed with relation to the conveyors and having one edge arranged adjacent one end of the upper conveyor for automatically receiving articles therefrom, a serving table having one



edge disposed adjacent the opposite end of the lower conveyor and transverse to the end of the U-shaped table arranged adjacent to the opening and a motor operating the conveyors as and for the purpose specified.

1,507,498. OIL CAN. WILLIAM G. MATTHEWS, Brooklyn, N. Y. Filed Dec. 14, 1923. Serial No. 680,666. 2 Claims. (Cl. 221—48.)

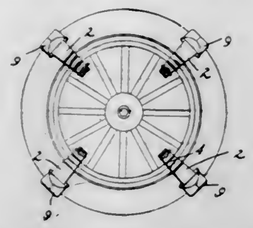


2. An oil can comprising a body having a flexible resilient portion constituting a diaphragm for alternately effecting the raising and lowering of the internal pressure thereof, said body having an outlet opening, an annular interiorly threaded boss on the body surrounding the outlet opening, a conduit in said body extending from the inlet opening to a point adjacent its bottom and one side thereof, a disk-like member seated in the bottom of the boss having a hinged resilient central portion constituting a flap valve overlying the outlet opening, a spout having an annular outturned flange seated in the boss and upon the marginal portion of the disk-like member, a nut threaded into said boss, surrounding the spout and engaging its flange for clamping the same together with the disk-like member in said boss, a filling nozzle, a removable closure plug in the filling nozzle, said plug having a passage therethrough constituting an inlet, and an inwardly opening outwardly closing check valve for controlling said inlet opening.

1,507,499. LUG. WILLIAM MEIDENBAUER, Waukesha, Wis. Filed Aug. 12, 1922. Serial No. 581,447. 1 Claim. (Cl. 301—44.)

A lug of the character described comprising a curved plate for engaging the tread of the tire, a pair of side plates hingedly secured to the sides of the curved plate and being bent inwardly adjacent the free ends to provide felly engaging parts, said side plates being further

bent in parallel adjacent parts operatively associated, one of which is provided with a slot aligned with an opening in the other part, a flange formed on one of said parts and arranged at right angles thereto, an inclined flange formed on the opposite part and said inclined flange being provided with a slot communicating with the first mentioned slot, a bolt received in the slot and opening respectively and a wing nut for said bolt.

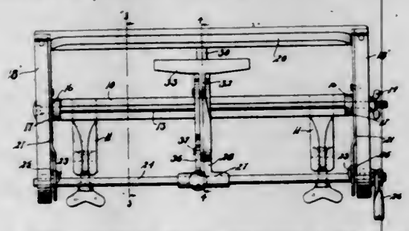


1,507,500. TOOTHBRUSH. SILAS W. METZ, Connellsville, Pa. Filed Apr. 4, 1923. Serial No. 629,866. 3 Claims. (Cl. 15—167.)



1. In a tooth brush of the character described, a substantially U-shaped head having its arms of arcuate shape and converging away from the bight portion of the head, the bight portion of the head also being of arcuate shape, and a handle extending from the central part of the bight portion of said head, the arms being provided with depending bristles.

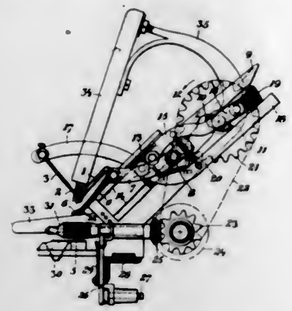
1,507,501. SAW CLAMP. GEORGE W. MILLER, Waynesville, N. C. Filed May 23, 1923, Serial No. 640,934. Renewed July 26, 1924. 2 Claims. (Cl. 76—78.)



1. A saw clamping device comprising a main clamp having a fixed jaw and a movable jaw, the fixed jaw being provided with a longitudinal groove, a rod supported by the clamp, a secondary clamp slidably mounted on said rod and including a fixed jaw and a movable jaw arranged directly beneath the jaws of the first-mentioned clamp, and an extension projecting from the fixed jaw of the secondary clamp and movable in said longitudinal groove for the purpose specified.

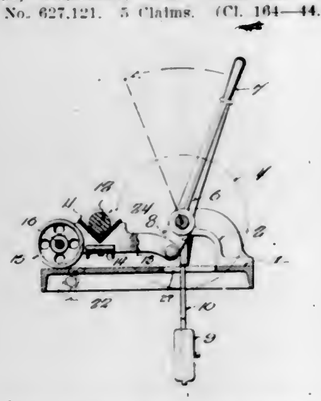
1,507,502. MACHINE FOR THE PRODUCTION OF HORSEHAIR THREADS. FRITZ MÖBIUS, Gross-Kolzig, Germany, assignor to Charles Frederick Ralph Glealer, London, England. Filed June 16, 1923. Serial No. 645,755. 3 Claims. (Cl. 117—13.)

1. A feeding mechanism for machines for the production of endless horsehair threads comprising in combination a reservoir for the horsehair open at the lower end from which the bundle of horsehair projects, a finger, a needle, designed to grip some of the said horsehair threads against said finger, means for moving said needle towards and away from said finger, means for lowering said needle and finger simultaneously, a feeding bow designed to receive the horsehair threads released by said needle when the same is moved away from the finger,



two gripper cylinders below said feeding bow, means for moving said feeding bow with regard to said gripper cylinders to feed the horsehair threads between said cylinders, and means for rotating said gripper cylinders in opposite directions to convey the horsehair threads towards a spinning mechanism.

1,507,503. STOCK-CUTTING MACHINE. LORECOTT MOLLART, Watertown, Wis. Filed Mar. 23, 1923. Serial No. 627,121. 5 Claims. (Cl. 164—44.)

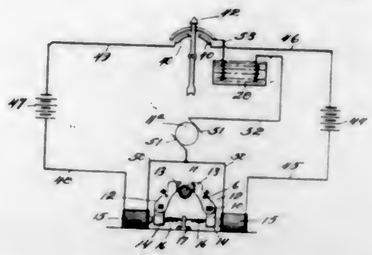


1. A stock cutting machine comprising a circular knife, a lever for rotating said knife back and forth through a portion of a turn, a carrier for supporting the stock closely adjacent the knife, and mechanism operatively coupling said carrier and knife to reciprocate said carrier as said knife is oscillated, whereby said stock is presented to said knife while said knife is being oscillated.

1,507,504. DIRECTION-CONTROL MECHANISM FOR AEROPLANES. WALTMAN M. MORGAN, Kansas City, Mo., assignor of two-thirds to Alfred Peterson, Independence, Mo. Filed Mar. 22, 1921. Serial No. 454,543. 2 Claims. (Cl. 172—282.)

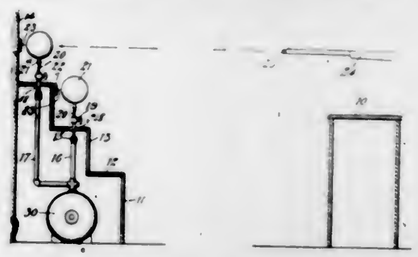
1. The combination with an aeroplane, of motor-actuated steering mechanism, a bowl containing a fluid conductor, suspended from the aeroplane to assume a horizontal position regardless of tilting movements of the machine, a fluid conductor in said bowl, two electro-circuits for energizing the motor alternately, said circuits including spaced contacts; and a magnetic needle

and a contact in circuit with said fluid conductor and movable with said needle adapted through change in the course of travel of the machine, to engage one or the



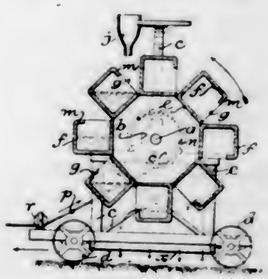
other of the said spaced contacts, to complete the respective circuit and energize the motor to set the rudder for the return of the machine to its predetermined course.

1,507,505. AMUSEMENT APPARATUS. ORSON DESAIX MUNN, Southampton, N. Y. Filed June 21, 1922. Serial No. 569,892. 12 Claims. (Cl. 46—59.)



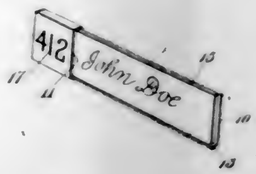
1. Amusement apparatus, comprising a target consisting of an inflatable member of flexible material having a fixed point of attachment but capable of limited bodily movement, a pin held in fixed relation to said inflatable member, and a means for striking said inflatable member to force the same into contact with said pin.

1,507,506. SELF-PROPELLED TRAVELING IRRIGATOR. ALBERT EDWARD MURPHY, Swanbourne, near Perth, Western Australia, Australia. Filed Feb. 3, 1922. Serial No. 533,917. 2 Claims. (Cl. 299—49.)



1. A device of the character described comprising a frame, a shaft journaled in said frame, receptacle secured to said shaft and revoluble therewith, said receptacles extending substantially the entire width of the frame, winding wheels carried by said shaft, means for delivering water to said receptacles, a perforated tray beneath said frame and extending substantially the entire width of the frame, and a cable for each of said winding wheels, each of said cables having one end secured to one of said winding wheels and having its opposite end adapted to be attached to a fixed point.

1,507,507. INDICATOR HOLDER. WILLIAM A. MCCARTNEY, Texarkana, Tex. Filed Apr. 22, 1924. Serial No. 708,297. 3 Claims. (Cl. 40—16.)



1. In a sign holder of the type described, a rectangular plate adapted for attachment to a suitable support and provided upon its lower edge with an outstanding flange forming a ledge, a flange projecting upwardly in spaced parallel relation to the plate and from the outer edge of the flange at one end of the first named flange, the upper end of the said flange extending over and engaging the upper edge of the plate.

1,507,508. RIM LOCK. ROBERT F. MCKENZIE, Scottsville, Ky., assignor of one-fourth to Gilbert G. Wilson, Scottsville, Ky. Filed Feb. 28, 1923. Serial No. 621,802. 1 Claim. (Cl. 301—23.)



A demountable rim comprising a split ring having a recess in one end, an opening and closing link pivotally connected to the ends of the ring, and a tongue extending from one end of the link beyond the pivot thereof for closing the recess when the ring ends engage, said tongue being formed with a key receiving opening extending obliquely and transversely thereof.

1,507,509. PROCESS FOR MANUFACTURING CARBON FILAMENT FOR INCANDESCENT LAMPS. KIKEI NISHIKAWA, Tokyo, Japan. Filed July 21, 1921. Serial No. 486,549. 2 Claims. (Cl. 176—127.)

1. A process of treating carbon filament, consisting in eliminating the magnesium ash from the raw material by chemical process and refining the formed filament for further elimination of magnesium.

1,507,510. SHIM-CUTTING PRESS. GEORGE H. NORTH, La Crosse, Kans. Filed Apr. 14, 1923. Serial No. 632,074. 1 Claim. (Cl. 164—26.)

In a shim cutting press, a base, a standard arising therefrom, a handle member swingably supported on the standard, an enlargement removably secured on the inner end of the handle having two spaced cam surfaces, a spring influenced plunger supported for vertical move-

ment on the standard and having a slotted upper end in which the cam enlargement on the handle is received, a male die removably secured to the plunger, a bed

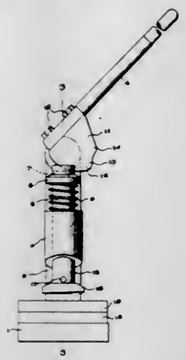
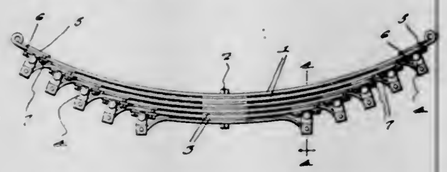


plate resting on the base, a female die plate guided on the bed plate removably secured thereto and to the base, and a spring influenced ejector in the female die member.

1,507,511. SPRING. FRANCIS D. PARKER, Hillsboro, Wis. Filed May 23, 1923. Serial No. 640,988. 1 Claim. (Cl. 267—47.)



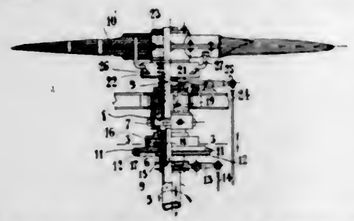
A spring of the class described comprising a plurality of leaves connected together at their centers and having eyes at their ends, a pair of plates clamped to each end of the spring by bolts passing through projecting parts of the plates, one plate of each pair having a tubular part and shackles having their bolts passing through the eyes and the tubular parts.

1,507,512. TOY WALKER. JOHN FERRETT, New York, N. Y. Filed Feb. 1, 1924. Serial No. 689,958. 3 Claims. (Cl. 46—22.)



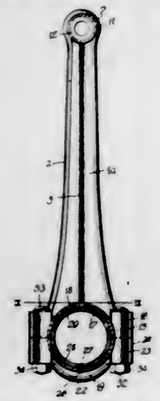
1. A toy walking device which comprises a frame having a curved runner portion adapted to rest on and to be rolled over the ground, a pivoted seat mounted on said frame, and a handle portion rigidly attached thereto, said seat adapted to be maintained in a substantially horizontal position by a person seated thereon independent of the movement of the frame with respect to the ground and the body of the person as it may be moved by said person in traveling over the ground.

1,507,513. HELICOPTER WITH VARIABLE-PITCH PROPELLER. EDOUARD PERRIN, Paris, France. Filed Mar. 16, 1921. Serial No. 452,708. 9 Claims. (Cl. 244—19.)



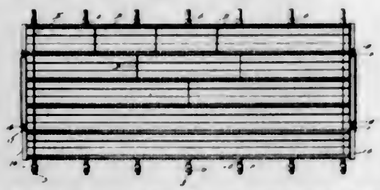
1. In an airship, the combination of a supporting propeller having blades the pitch of which is settable in one or the other of two predetermined limits; means acting automatically to adjust the pitch to the minimum limit when the engine is shut off, irrespective of the velocity of the propeller; and means acting automatically to bring the pitch to the maximum limit when the engine torque drives the propeller, irrespective of the propeller velocity.

1,507,514. CONNECTING ROD. JOHN H. PETROSKY, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 5, 1915. Serial No. 59,721. 10 Claims. (Cl. 74—17.)



3. A power transmitting member comprising sheet metal members having interlocked longitudinal edges, each member having a longitudinal stiffening rim, a bridge connecting said members intermediate the ends thereof, liners supported at the ends of said members, bushings in said liners, and a lubricant conduit extending from one liner to the other and through said bridge between said members.

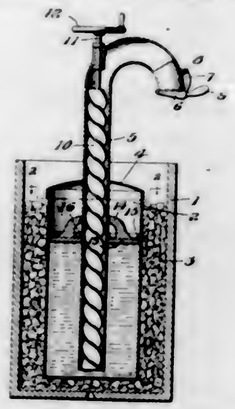
1,507,515. CEMENT-BLOCK MOLD. JOSEPH AUBREY POTTER, Staunton, Va. Filed Apr. 18, 1923. Serial No. 632,972. 5 Claims. (Cl. 25—121.)



1. A mold of the class described comprising a support, adjustable side supporting members on the support, a plurality of molding plates, base plates adapted to be

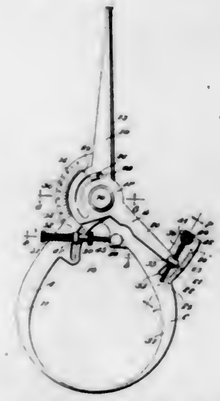
placed between the side plates, cut-off lates, means for holding the cut-off plates at any desired points along the lengths of the mold plates and means for clamping the parts together.

1,507,516. SANITARY PLASTIC-FOOD SERVER. HOLDEN C. RICHARDSON, Philadelphia, Pa. Filed Sept. 21, 1921. Serial No. 502,250. 3 Claims. (Cl. 107—14.)



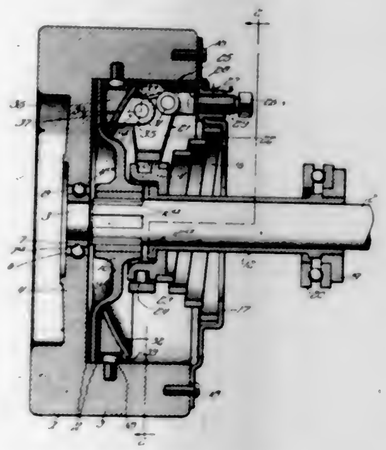
3. A sanitary plastic food server comprising an original container for food in a plastic condition having a closed top, a tube extending down through the top and permanently attached thereto with its lower end disposed near the base of the container, the upper end of said nozzle being curved or returned upon itself and having its discharge end disposed downwardly, conveying means disposed within said tube and having means extending through and above the tube for operating said conveying means, following means disposed about said tube within said container for pressing the plastic food toward the bottom of the container and for maintaining the said tube in substantially vertical position, and die means extending across the discharge end of said tube.

1,507,517. CALIPERS. RAFAEL M. ROBLES, Manila, P. I. Filed Jan. 2, 1923. Serial No. 610,253. 3 Claims. (Cl. 33—148.)



1. A device of the character described comprising a pair of pivotally connected members, each including a curved edge portion, said legs being used together for outside measurements, one of said members including a straight leg portion, said last mentioned member having graduations on both sides thereof, the other member of said pair having indicating characters cooperating with the graduations to provide for a reading of the device, an additional member pivotally associated with the aforementioned members, and including a straight leg portion arranged parallel with the afore-mentioned straight leg portion and used therewith for inside measurements, means for simultaneously adjusting the members of said pair, means for independently adjusting the leg portion of said additional member toward and away from the first mentioned straight leg portion, and means for determining the degree of the last named adjustment.

1,507,518. CLUTCH MECHANISM. CHARLES B. ROSE, East Moline, Ill. Filed Mar. 30, 1920. Serial No. 369,849. 16 Claims. (Cl. 192—68.)



16. In an automotive clutch, a driving member, a driven member, friction discs for connecting and disconnecting said members, a pressure ring for engaging the discs, a member in self-aligning contact with the pressure ring, and clutch operating means engaging the self-aligning member.

1,507,519. DENTAL PLATE. LARS JENSEN RUD, Herning, Denmark. Filed June 28, 1923. Serial No. 648,320. 4 Claims. (Cl. 32—4.)



2. A dental plate, comprising a hard rubber member, to one side of which the artificial teeth are fastened, and a strip of soft rubber secured to the other side of said member and having a thin, flexible free edge which is adapted to adhere closely and tightly to the adjacent surface of the natural gum when the plate is in place; substantially as described.

1,507,520. PUMP FOR LIQUIDS. WILLIAM JOSEPH RUSDELL, Wolverhampton, England. Filed July 14, 1921. Serial No. 484,813. 7 Claims. (Cl. 103—76.)

1. In a method of raising or forcing liquids which consists in moving by the power portion of the stroke of a reciprocating piston a column of liquid so that it

acquires momentum sufficient to keep the column in movement after the power portion of the stroke has ceased to act and so that more liquid is drawn in by the

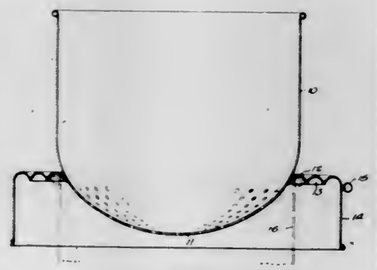


moving column in the direction of the flow, the improvement which consists in prolonging the power portion of the stroke.

1,507,521. PROCESS FOR REVIVIFYING FILTERS. MATTHEW RUSSELL, Greenock, Scotland. Filed Dec. 8, 1923. Serial No. 679,473. 4 Claims. (Cl. 252—3.)

1. A process of revivifying charcoal or other carbonaceous filtering medium in filter chambers for sugar and other liquors, which consists in passing superheated steam through one filter chamber at a temperature above approximately 600° F., thereafter cooling the filtering medium in said filter chamber by passing saturated steam therethrough, transferring the saturated steam as superheated steam to the next filter chamber for partially revivifying the filtering medium therein and thereafter repeating the process successively, substantially as described.

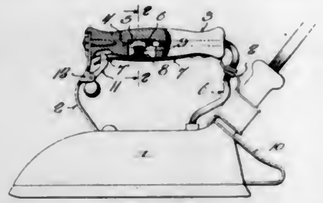
1,507,522. COLANDER. ROSE C. SIMON, New York, N. Y. Filed June 21, 1923. Serial No. 646,881. 2 Claims. (Cl. 219—155.)



1. The combination with a colander having a spherical bottom portion, of means for supporting the same from the upper end of a vessel, comprising an annular flange having a plurality of concentric corrugations for engaging and embracing the upper edge of the vessel to which it is applied, the wall of the central corrugation forming an arcuate support for the spherical bottom of the colander.

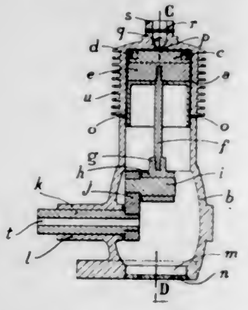
1,507,523. ELECTRIC IRON. JOHN SLOMAR and EVERETT SCHRADER, St. Francis, Wis. Filed Apr. 11, 1922. Serial No. 551,551. 2 Claims. (Cl. 200—157.)

1. A switch for controlling the circuit of an electric iron having a handle, said switch comprising a movable bar adapted to be attached to said handle and having a projecting portion lying adjacent said handle and adapted to be grasped by the operator when the operator holds the handle, an electric switch controlled by said bar, said bar being biased to switch open position, and a gravity controlled dog normally inactive when the handle



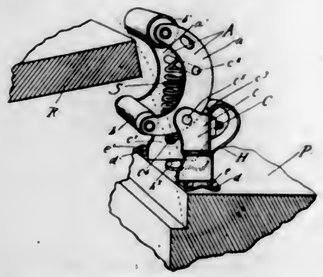
is in horizontal position and adapted to lock said bar in switch closed position when the iron is approximately vertical.

1,507,524. RECIPROCATING PUMP. ARSÈNE STEURS, Bourgeois-Rixensart, Belgium, assignor to Verse Moulart & Compagnie, Brussels, Belgium, a Corporation of Belgium. Filed Mar. 15, 1923. Serial No. 625,297. 2 Claims. (Cl. 230—6.)



1. In a reciprocating pump, the combination of a cylinder and a crank case cast in one piece, a piston in said cylinder, a cross-pin mounted to oscillate in said piston and bearing throughout its length against said piston, a rod rigidly connected to said cross-pin, a crank shaft journalled in a side wall of said crank case and adapted to reciprocate said rod, said shaft having an axial bore connecting said crank case with the outside air, said crank case being provided with an opening having a larger diameter than said piston.

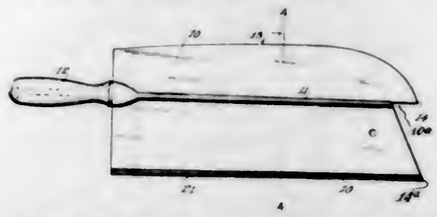
1,507,525. DOOR CATCH. LEONARD W. STEWART, Cincinnati, Ohio. Filed June 9, 1923. Serial No. 644,295. 4 Claims. (Cl. 292—79.)



1. In combination with a spring actuated door catch comprising an arm fulcrumed to a bracket, and a spring disposed between said bracket and said arm, said arm

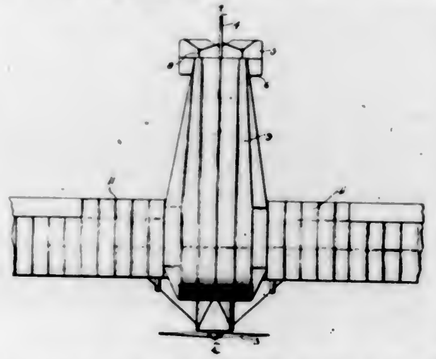
adapted to be tripped into operating position by the action of a closing door and held thereto by said spring, means for resisting the action of said spring during said tripping operation.

1,507,526. COMBINATION IMPLEMENT. JOHN STRAUB, Ashley, N. Dak. Filed Apr. 28, 1923. Serial No. 635,299. 1 Claim. (Cl. 146—212.)



A tool for the purpose set forth comprising a substantially wide blade having a slicing edge and a severing edge, and a fixed handle extending from one end of the blade, said blade having its other end formed with a substantially triangular cutaway portion to provide a pair of unguarded spaced points projecting in the same direction and to further provide two full substantially equal length edges, one of said points at the outer terminus of the slicing edge and the other at the outer terminus of the severing edge, said points arranged substantially in transverse alignment with respect to the blade and, together, being adapted for use as a meat tenderer.

1,507,527. FLYING MACHINE. ARCHIE BRYAN STRINE, Quantico, Va. Filed Jan. 14, 1924. Serial No. 686,169. 1 Claim. (Cl. 244—12.)



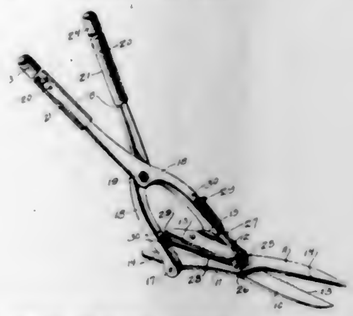
An airplane comprising superposed planes, a fuselage located between the planes, each of said planes comprising laterally projecting wing portions and a hollow central portion, forming a carrying compartment of greater depth and chord than the said wing portions.

1,507,528. CARRIAGE RUNNER. WALDEMAR SUOMINEN, Worcester, Mass. Filed Jan. 15, 1923. Serial No. 612,717. 3 Claims. (Cl. 280—13.)



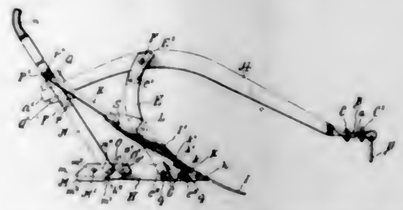
1. The combination with the front and rear wheels of a carriage, flanged metallic runners for the wheels and having their front and rear ends curved upwardly, front and rear clamping members having their forward ends twisted and pivotally secured to said runner and their rear ends grooved, locking dogs pivotally secured to the flanged portion of the runners and adapted to be seated in the grooves of the locking members, and means provided on the forward end of the front clamping member for preventing rotation of the front wheel.

1,507,529. HEDGE TRIMMER. LARS FREDRICK SUNDMAN, Normal, Ill. Filed June 13, 1923. Serial No. 645,147. 6 Claims. (Cl. 30—11.)



1. A cutting implement comprising a pair of pivoted blades with cooperating cutting edges, a pair of handles pivoted to each other and having their lower ends pivotally connected to the respective blades in rear of their pivot, and bracing links pivotally connected at one end to the blades and at the other end to the respective handles.

1,507,530. PLOW. ANGEL VARGAS, Hollo, P. I. Filed Feb. 3, 1923. Serial No. 616,674. 1 Claim. (Cl. 97—195.)

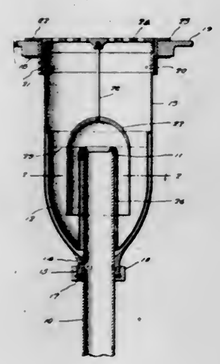


A plow of the character described, comprising a metal beam curved downwards front and rear, a curved standard connected to said beam and bifurcated at its lower end, a landside connected to the bifurcated ends of said standard, the said landside being provided with a laterally projecting flange at the forward edge, a plow share connected to said flange, a moldboard connected to said plow share and to said standard, a single handle bar having its heel bent forwardly at an angle, said bent portion being connected to said landside, a metal strap connected to said handle bar and spaced away therefrom and adapted to receive the rear end of said beam, wedges driven into a space between said strap and said beam for holding said beam firmly in place, a shoe detachably connected to the rear end of said landside and having an inclined edge abutting against said handle bar, and a brace connecting the rear portion of the moldboard with said handle bar.

1,507,531. TRAP. OTTO H. VAUDELL, New Lisbon, Wis. Filed Jan. 9, 1922. Serial No. 528,038. 1 Claim. (Cl. 182—19.)

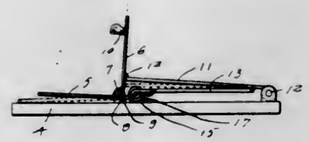
A trap for sewer pipe comprising an outer casing having an opening in the bottom thereof to receive the pipe, means for connecting the casing with the pipe with the

latter terminating an apperciable distance below the upper edge of said casing, an inner casing arranged within the outer casing and slightly spaced therefrom, the inner casing having an opening in the bottom thereof and formed with a central tubular portion which receives the pipe, an inwardly and downwardly extended flange formed on the upper end of the tubular portion and utilized



and extended into the upper end of the pipe to support the casing, the tubular portion being of a larger diameter than the pipe and spaced therefrom, a cover for the outer casing, a rod depending from the cover, and a dome shaped member supported by the rod and surrounding the adjacent end of said pipe and tubular portion of the inner casing.

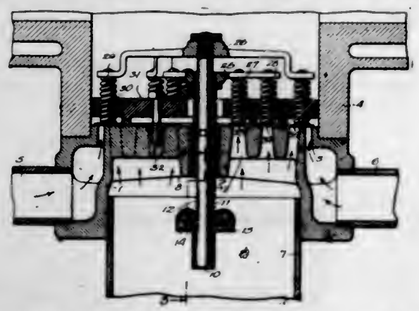
1,507,532. RODENT TRAP. WALLACE J. VICKERS, Logan, Utah. Filed Dec. 8, 1921. Serial No. 520,892. 1 Claim. (Cl. 43—81.)



A trap having a catching frame, a spring to urge movement thereof, a detent for said frame, plates integral with and substantially at a right angle to each other, means integral with one of the plates providing a shoulder engageable by said detent, a bait holding means integral with the last mentioned plate and on the opposite side theerof to said shoulder, the other plate constituting a trip, ears integral with both of said plates and connected to both of said plates and extending inwardly from the junction of said plates, a pivot rod extending through said ears, and a base mounting said pivot rod and with respect to which the trip plate is normally angularly disposed.

1,507,533. MIXING VALVE. BEN FRANKLIN WALKER and WILLIAM JASPER HARPER, Baxter Springs, Kans. Filed Aug. 29, 1923. Serial No. 660,021. 1 Claim. (Cl. 48—180.)

A mixing valve construction which includes a valve casing having a plurality of air and fuel ports arranged in circular rows, a plurality of ringlike valve plates covering said ports, a plurality of springs bearing on said plates, an adjustable spider member adapted to engage with certain of said springs, a second adjustable spider adapted to engage with certain others of said springs,



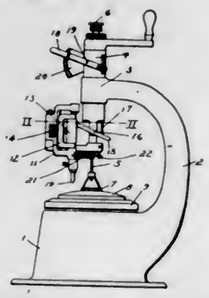
and means controlled by an operator exterior to the valve construction to adjust said spiders and selectively vary the pressure of the springs on said plates.

1,507,534. OPHTHALMIC-FRAME STRETCHER. ROBERT M. WASON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 555,048. 1 Claim. (Cl. 81—3.)



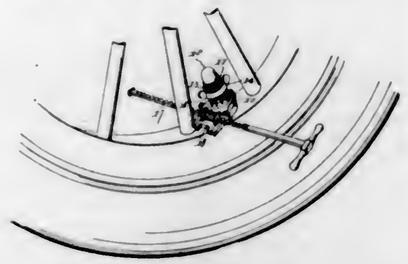
A device of the character described, comprising a pair of pivoted handles, a jaw member carried by each handle, a semicircular plate carried by each jaw member, each of said plates having its outer portions shaped to fit within the lens receiving groove of an ophthalmic frame, resilient means to normally urge the semi-circular plates apart to stretch the ophthalmic frame, a shaft received through said jaw members, and means carried by the shaft to stop the separation of the jaws at a predetermined point so that the ophthalmic frame may be stretched to a predetermined size.

1,507,535. GUIDE FORMER. ROBERT M. WASON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Associaton of Massachusetts. Filed Sept. 18, 1922. Serial No. 588,880. 2 Claims. (Cl. 33—30.)



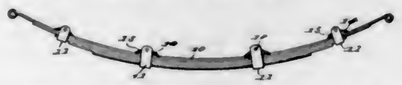
1. A former of the character described, comprising a disc, a link connected thereto, a lever pivoted to the link whereby upon adjustment of the lever the disc will be tilted, and means to maintain the lever in the desired adjustment.

1,507,536. DUST-CAP REMOVER. CLARENCE W. WATSON, Alliance, Ohio. Filed May 23, 1922. Serial No. 563,102. 5 Claims. (Cl. 81—3.)



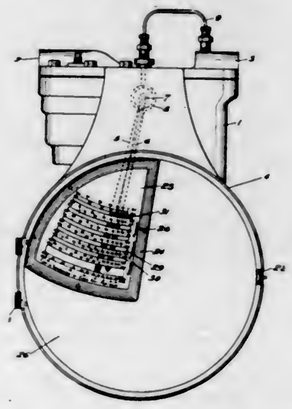
1. A dust cap removing tool having a yoke, a diametrically contractable sleeve having gear teeth swiveled in the yoke for engaging a dust cap, and means for effecting rotary movement of the sleeve consisting of a slidable rack bar engaging the teeth on the sleeve.

1,507,537. VEHICLE SPRING CLIP. HENRY T. WEIS, Fairmont, W. Va. Filed Dec. 9, 1922. Serial No. 605,823. 2 Claims. (Cl. 267—53.)



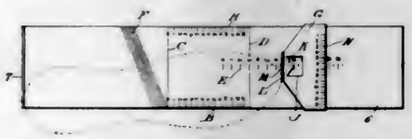
2. A silencer for use in connection with vehicle spring clips having transverse pins or bolts for connecting the side arms of the clips, the same consisting of a resilient bowed plate adapted to be interposed between the pin or bolt and the exposed surface of the adjacent spring leaf for terminal contact with the latter, said plate being provided at one end with parallel arms and at the other end with a tongue of which the latter is wrapped around said pin or bolt in a plane between said arms.

1,507,538. GAUGE. HENRY P. WESTCOTT, Erie, Pa.; Ada K. Westcott administratrix of said Henry P. Westcott, deceased. Filed Apr. 12, 1922. Serial No. 551,959. 13 Claims. (Cl. 234—19.)



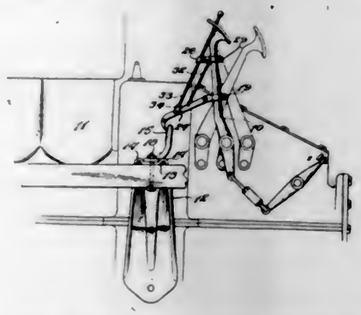
1. A gauge comprising a plurality of charts arranged in superposed relation, the upper chart being provided with a sight opening and a series of scales, the lower chart being also provided with a scale, a plurality of indicating means arranged between said charts, one of said means being movable with respect to the scale on the lower chart, each scale of the series of scales on the upper chart being furnished with an index having a value identified with one of the values indicated on the scale of the lower chart by its indicating means, the other of said indicating means being movable with respect to the series of scales on the upper chart to indicate at any time a desired value, on that one of the scales of said series whose index corresponds with the value indicated by the first mentioned indicating means relative to its scale on the lower chart.

1,507,539. FOOT-MEASURING STICK. HARRY N. WHEELER, Montgomery, Ala. Filed Dec. 17, 1923. Serial No. 681,222. 2 Claims. (Cl. 33—3.)



1. A measuring stick comprising a stick member having a heel piece, an arch scale upon the intermediate portion of the stick for showing the arch measure and a central scale off-set from the arch scale and having more widely separated markings than said arch scales for showing the overall length of the foot in the same terms as the arch measure for easy comparison, and a slide movable longitudinally on the stick in both crosswise and lengthwise positions, and having an index for use in connection with the two scales.

1,507,540. CLUTCH-PEDAL LATCH. BURL WILLIAMS, Beatrice, Nebr. Filed May 9, 1923. Serial No. 637,809. 2 Claims. (Cl. 74—81.)

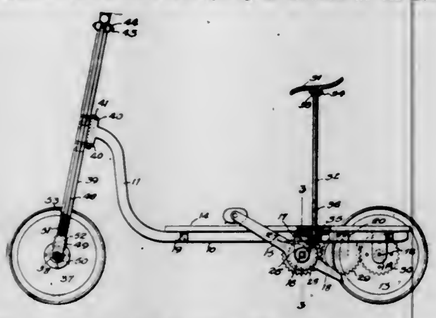


1. A clutch pedal latch for motor vehicles including a rack bar for attachment to the vehicle in front of the pedal, a pivoted spring elevated pawl for connection to the pedal to cooperate with said bar, and a reciprocable foot rod connected with the pawl to extend adjacent the upper end of the pedal for engagement by the foot to depress the pawl into engagement with the bar locking the pedal when rocked forwardly and provided with means to engage the pedal for limiting the pawl in its upward movement.

1,507,541. SCOOTER. HARVEY ORVIS WILSON, Wilmington, Del. Filed Apr. 23, 1923. Serial No. 634,111. 2 Claims. (Cl. 208—36.)

1. A scooter including a frame, a transverse turnable shaft supported from the frame, a pedal, a housing rigid with the pedal and adapted to rock therewith about the axis of said shaft, a coiled spring within said hous-

ing and secured at one end thereto, a member rigid with the frame and having a hub concentric with said shaft to which hub said spring is secured at its other



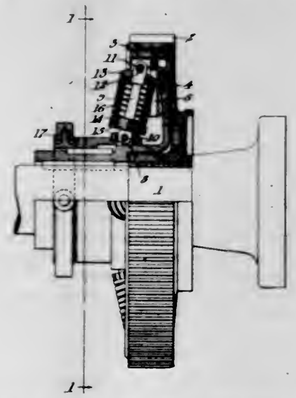
end, an axle turnably supported from the frame, a running wheel on said axle, and a drive connection between said shaft and said axle.

1,507,542. DEVICE AND ELEMENT FOR PERFORATING BANDS OF TYPE-COMPOSING MACHINES. OTTO WOLTERS, Magdeburg, Germany. Filed Oct. 12, 1921. Serial No. 507,394. 5 Claims. (Cl. 164—125.)



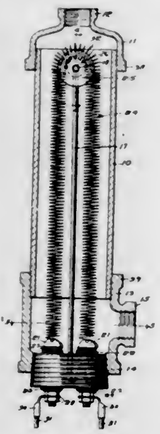
1. A device for the production of registering strips for automatic composing machines consisting of a row of plate-shaped interchangeable elements composed like a line of types, each element having on its edges fixed projections which represent in combination an individual sign and which serve for releasing the punching device, and a reading mark on the fourth edge of said element.

1,507,543. FLEXIBLE CLUTCH. JOSEPH BARRAJA-FRAUENFELDER, Bridgeport, Conn. Filed Dec. 23, 1921. Serial No. 524,423. 4 Claims. (Cl. 192—76.)



1. In a clutch of the character described, the combination of an outer fixed member, and an inner movable member including a shoe, a shifting device, a link interposed between the shoe and shifting device and provided with a longitudinal slot and a pin for connecting it with the shoe, and a pivot pin for connecting it with the shifting device, and a helical spring mounted upon the link and having a cap engaged by the pin that connects the link and shoe, whereby the pressure on the spring may be released and the shoe retracted by direct pull on the link and shoe.

1,507,544. ELECTRIC FLUID HEATER. LOVERD B. CHEATHAM, Atlanta, Ga., assignor to P. and S. Electric Heating Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 22, 1924. Serial No. 701,207. 7 Claims. (Cl. 219—38.)



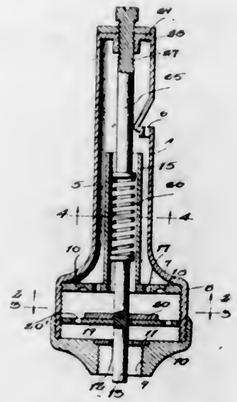
1. An electric heater of the character described, comprising a casing, a rotatable insulating spool mounted within the casing near one end thereof, a resistance coil folded about the rotatable spool for providing longitudinal portions of the resistance coil which extend within the casing throughout the major portion of the length of said casing without having contact with other parts whereby such longitudinal portions are free to adjust themselves due to expansion or contraction, terminals connected with the ends of said longitudinal portions of the resistance coil, and inlet and outlet means for the casing.

1,507,545. PROCESS FOR THE MANUFACTURE OF ARTIFICIAL MEERSCHAUM. PAUL DEUSSING, Ruhla, Germany, assignor to the Firm Löwenstein & Co., Frankfort-on-the-Main, Germany. Filed June 1, 1921. Serial No. 474,225. 3 Claims. (Cl. 106—4.)

1. Process for the manufacture of artificial meerschaum consisting in finely grinding a substance commonly used for the manufacture of earthenware, composed of Hallic earth and Meissner clay with whiting and quartz dust, in adding water to said mass, in filtering the same to form a paste, in bringing the paste into well dried moulds, in letting the mass dry in the moulds, in removing the dry mass from the moulds and in giving the same the biscuit baking known in the manufacture of porcelain.

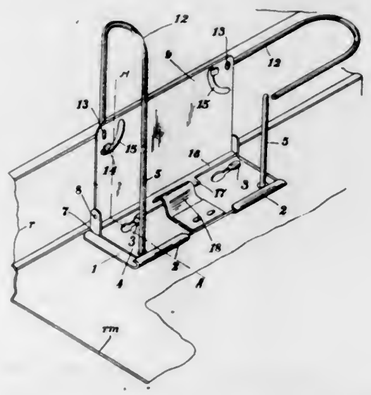
1,507,546. TIRE SIGNAL. GEORGE DILLMAN, Raton, N. Mex. Filed June 20, 1923. Serial No. 646,674. 1 Claim. (Cl. 116—34.)

In a low pressure tire alarm, a whistle body, an enlarged casing formed on the inner end of the whistle body, a head detachably connected to the casing for engaging the ordinary tire valve filling body, the head carrying a valve seat, a second valve seat threaded in the body, an axially disposed guide formed on the second valve seat and extending into the whistle body, a plunger reciprocally mounted in the casing, a plunger rod connected with the plunger and extending outwardly of the head and into said guide, a valve body carried by the plunger and arranged to sit upon the valve seat in the casing and the valve seat carried by the head,



resilient means for normally urging the plunger away from the valve seat in the casing and on the valve seat in the head, and a rod mounted in the guide for adjusting the tension of the spring, as and for the purpose specified.

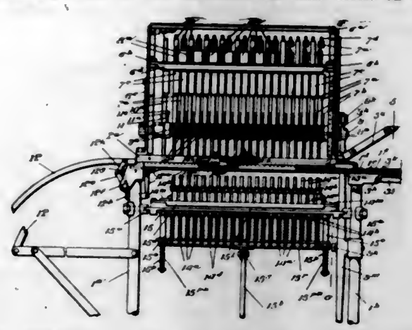
1,507,547. FILING DEVICE FOR LETTER FILES, PORTFOLIOS, AND THE LIKE. ALOYS GRÜNEWALD, Berlin, Germany. Filed May 5, 1923. Serial No. 636,910. 3 Claims. (Cl. 129—8.)



1. A filing device for files, portfolios and similar articles comprising in combination filing pins, bows which, standing upright in the normal position, can be folded over at the height of the upper ends of the file pins perpendicularly to the direction of movement of the papers filed, a base plate on which the filing pins are fixed and a supporting plate hingedly connected with said base plate and on which, the bows are oscillably mounted.

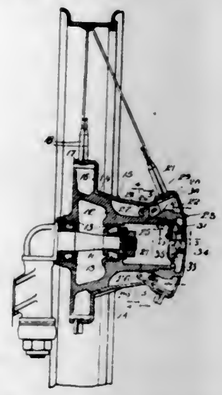
1,507,548. BALLOT-COUNTING MACHINE. JOHN S. BAKER, Los Angeles, Calif. Filed Nov. 10, 1920. Serial No. 423,117. 61 Claims. (Cl. 235—56.)

1. In a machine for the purpose specified; a plurality of detectors; means for lowering the detectors upon a perforated card to detect same; and means for forcibly depressing such of the detectors as find holes in the



card, means for feeding a plurality of cards beneath the detector pins prior to the detecting operation; and means for ejecting the card after the detecting operation.

1,507,549. HUB STRUCTURE FOR WHEELS. EDWARD G. BUDD and JOSEPH LEDWINKA, Philadelphia, Pa., assignors, by direct and mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 6, 1916. Serial No. 118,716. 9 Claims. (Cl. 301—9.)

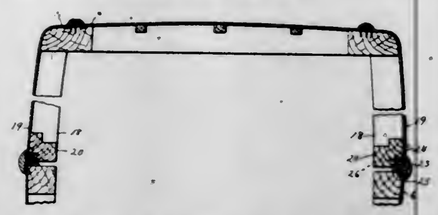


1. In a wheel structure, a permanent hub member having outwardly tapering seating surfaces, a removable hub member having cooperating seating surfaces, at its inner end, and an outwardly flared bearing surface at its outer end, a nut threaded upon the outer end of said permanent hub member and having an inwardly tapered or inclined inner end surface, wedge blocks interposed between said hub members to be engaged by the tapered or inclined surface of the nut, said wedge blocks engaging the outwardly flared bearing surface of the outer hub member to lock said hub member upon the seating surfaces of the permanent hub member, and an expansible ring threaded through said wedge blocks to retain the same in position.

1,507,550. CAR-TOP DRESSING AND METHOD OF PREPARING THE SAME. CHARLES K. EVANS, Albert Lea, Minn. Filed July 24, 1923. Serial No. 653,565. 4 Claims. (Cl. 134—11.)

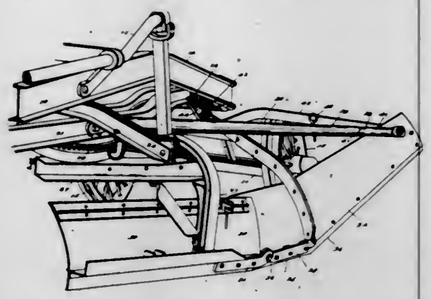
3. A coating composition consisting of the following ingredients mixed in the following proportions: one pint boiled linseed oil, one-half pint mineral pigment, one tablespoonful diamond dye dissolved in water, two tablespoonfuls common salt dissolved in water, and two tablespoonfuls of turpentine.

1,507,551. AUTOMOBILE BODY AND METHOD OF MANUFACTURING THE SAME. CHARLES H. WIDMAN, Detroit, Mich. Filed Feb. 20, 1923. Serial No. 620,137. 9 Claims. (Cl. 296—28.)



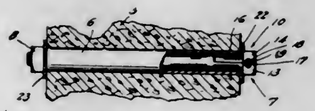
1. The method of manufacturing an automobile body which consists in first forming a plurality of panels and strips and a cowl so as to provide some of them with bent edges and some with bends intermediate their edges to form corner portions, then enameling said panels, strips and cowl and then assembling them to a wooden body frame with said bent edges turned over portions of the frame.

1,507,552. DITCH-FORMING GRADER. JOSEPH D. ADAMS and ROY E. ADAMS, Indianapolis, Ind., assignors to J. D. Adams and Co., a Partnership consisting of J. D. Adams, R. E. Adams, W. R. Adams, and J. D. Adams, trustee. Filed Aug. 23, 1920. Serial No. 405,318. 13 Claims. (Cl. 37—155.)



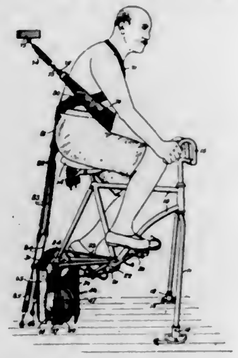
1. A ditch-forming road grader, comprising the combination of a wheel-supported frame and a ground-cutting element, said ground-cutting element being angularly adjustable in a vertical plane and including two blade members vertically angularly adjustable relative to each other.

1,507,553. WIRE-ATTACHING DEVICE FOR CONCRETE FENCEPOSTS. WILLIAM R. C. COOK, Renton, Wash. Filed June 26, 1922. Serial No. 570,842. 1 Claim. (Cl. 256—50.)



A wire-attaching device for a fence post having a tube element embedded therein, a wire attaching device consisting of a bolt comprising two complementary parts and having a shank which is screw threaded at one end and having a head at its other end, said head and a portion of the shank adjacent thereto being halved to provide a recess in one part of the bolt to receive the other part of the bolt, opposing wire-receiving grooves provided in the complementary parts of the bolt head, means coacting with said tube element for detachably coupling the parts of the bolt together, and a nut engaging the threaded part of the bolt for retaining the bolt coupling means in operative position with respect to said tube element.

1,507,554. EXERCISING APPARATUS. JOHN J. COOPER, Stamford, Conn. Filed Apr. 11, 1921. Serial No. 460,207. 20 Claims. (Cl. 46—69.)



1. In an exercising apparatus, a movable frame adapted to be operated by a user thereon, and yieldable means adapted to engage the body of a user on the frame and having means to connect with a fixed support and adapted to restrict the user's movement with the frame.

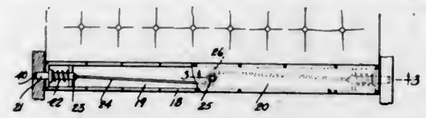
1,507,555. ENGINE INDICATOR. HARVEY D. GEYER, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 21, 1921. Serial No. 454,271. 7 Claims. (Cl. 234—21.)



1. In a pressure element for optical engine indicators which is adapted to be attached to the cylinder walls, the combination of means permitting the ignition of the fuel in the cylinder with means responsive to pressure directly therewithin, and including a pressure receiving surface located so as to be substantially flush with interior of the cylinder when such element is attached to the cylinder.

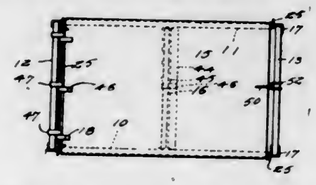
1,507,556. LATCH FOR SEAT AND BODY CONSTRUCTIONS FOR MOTOR VEHICLES. VICTOR W. PAGÉ, New York, N. Y. Filed Nov. 22, 1921. Serial No. 517,037. 1 Claim. (Cl. 292—36.)

A lock of the type set forth comprising a housing, a transverse partition adjacent each end of the housing and forming a second housing, bolts slidably mounted in said partitions and the end of the first-mentioned housing, a spring surrounding each of said bolts and adapted to maintain the bolts in extended position, a link connected to each of said bolts and extending substantially to the center of said first-mentioned housing,



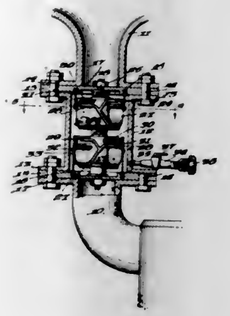
a lever mounted in said housing and to which each of said links is pivotally connected, and a recess formed in the lever and adapted to receive an operating means to operate the lever and simultaneously operate the bolts.

1,507,557. FOLDING BOX OR CRATE. EDWARD A. LOHRENTZ, Milwaukee, Wis. Filed Sept. 25, 1923. Serial No. 664,734. 10 Claims. (Cl. 217—16.)



1. A collapsible crate having upstanding walls collapsibly connected together, a wall connected to one of said walls and adapted to normally span the upstanding walls and for disposition between them in the collapsed condition of the crate, a partition for the upstanding walls, and said partition having means to engage and support the spanning wall.

1,507,558. FUEL-MIXING ATTACHMENT. SCIPIO S. GENTILE, Vicksburg, Miss. Filed Oct. 20, 1922. Serial No. 595,789. 2 Claims. (Cl. 48—180.)



2. The combination with an internal combustion engine provided with a carburetor and an intake manifold of a fuel mixer comprising a jacket adapted to be interposed between the carburetor and the intake manifold, gaskets arranged at the ends of said jacket, said gaskets being provided with circular slots, propeller-like members rotatably mounted within said jacket, layers of wire gauze associated with each propeller-like member and collars carried by said propeller-like members and engaging said slots whereby the fuel entering said jacket will be positively directed into engagement with said propeller-like members.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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Trade-Marks	233—No.	188,924 to No.	189,156, inclusive.
Labels	33—No.	27,807 to No.	27,839, inclusive.
Prints	5—No.	7,579 to No.	7,583, inclusive.
Reissues	6—No.	15,910 to No.	15,915, inclusive.
Designs	46—No.	65,552 to No.	65,597, inclusive.
Patents	816—No.	1,507,559 to No.	1,508,374, inclusive.
Total	1139		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 19, 1924.*

Alexander Rechnitzer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of William S. Gubelmann, 773 Richmond Avenue, Buffalo, N. Y., and patent granted March 14, 1922, No. 1,409,575, to Alexander Rechnitzer, 140 St. Botolph Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Rechnitzer at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rechnitzer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 25, 1924.*

The Royal Manufacturing Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between Remy E. Stoffel, 2868 Lemp Avenue, St. Louis, Mo., for registration of a trade-mark and trade-mark registered September 4, 1894, No. 25,211, to The Royal Manufacturing Co., 527 North Cherry Street, Lancaster, Pa. The Office having been unable to secure service upon The Royal Manufacturing Co., notice is hereby given that unless The Royal Manufacturing Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 27, 1924.*

Zucker & Levett & Loeb Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between A. P. Munning & Co., 52 Vesey Street, New York, N. Y., for registration of a trade-mark and trade-mark registered June 23, 1908, No. 69,580, to Zucker & Levett & Loeb Company, New York, N. Y., and a notice of such declaration sent by registered mail to said Zucker & Levett & Loeb Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Zucker & Levett & Loeb Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Aug. 22, 1924.*

Camthol Company, Portland, Oreg., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the Camthol Company (a Corporation of Delaware), 420 Hall Street E., Savannah, Ga., to effect the cancellation of the trade-mark registration of Waugh Medicine Co., of No. 300 A Street, Grangeville, Idaho, No. 97,515, dated June 9, 1914. The records of this Office show that the Camthol Company, Portland, Oreg., is the assignee of said Waugh Medicine Co. The notice of such proceeding sent by registered mail to the respondent, the Camthol Company, Portland, Oreg., having been returned by the post office as undelivered, notice is hereby given that unless said Camthol Company, Portland, Oreg., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,374,366, G. W. Dickerson, Telephone switch, decided July 29, 1924, claims 21, 23, and 30.

Pat. 1,455,690, G. W. Wells, Hinge, decided July 30, 1924, claims 1 and 2.

Pat. 1,484,950, A. E. Lundell, Telephone-exchange system, decided July 30, 1924, claims 1 and 2.

Condition of Applications Under Examination at Close of Business August 29, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,249; Trade-Mark Division, 1,752. Oldest new case, Jan 2, 1924; oldest amended, Jan. 2, 1924. The dates given are 1924.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 8	Feb. 15	985
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 7	Jan. 24	774
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 24	May 9	546
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 3	Apr. 8	929
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 9	Jan. 18	1,053
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 2	Jan. 2	1,195
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Mar. 1	Feb. 20	1,712
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 27	Apr. 4	1,470
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 18	May 7	701
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 6	Apr. 1	1,421
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Apr. 5	Apr. 4	972
380	12. PIERCE, F. P., Machine Elements	Apr. 1	Mar. 19	1,054
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 8	Feb. 11	1,102
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Jan. 26	July 2	679
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 4	Feb. 25	1,406
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 25	Jan. 25	1,362
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 18	Apr. 9	882
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 4	Jan. 2	1,287
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 14	June 11	849
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 8	Mar. 13	1,203
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 14	June 4	655
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Jan. 31	Feb. 14	1,256
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 2	Feb. 27	498
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 9	Feb. 12	906
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Gas Separation.	May 23	June 10	601
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 2	Jan. 11	867
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 14	Mar. 28	1,071
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 4	Mar. 28	1,108
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 5	Feb. 29	1,120
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Mar. 7	Mar. 3	1,224
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue	Mar. 3	Feb. 11	1,006
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 20	Feb. 21	898
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 13	Mar. 22	1,260
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Mar. 14	Mar. 10	884
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 20	June 3	701
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 1	Feb. 15	1,516
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 1	Mar. 3	1,528
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 15	Mar. 26	1,122
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 5	Mar. 14	658
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 16	May 1	1,909
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 3	Mar. 14	736
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 8	Jan. 15	1,628
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 1	Feb. 8	1,305
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 2	Mar. 22	1,094
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Jan. 22	Feb. 2	1,066
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 2	Jan. 2	1,178
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 12	Feb. 20	1,315
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 16	Jan. 16	2,021
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 6	Jan. 24	945
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 9	Jan. 12	1,665
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 26	Jan. 19	2,100
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 1	Apr. 16	897
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 1	Feb. 7	1,531
102	Designs: C. O. MARKHAM (Acting)	July 22	Aug. 5	398
163	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. (Trade-Marks	July 24	Aug. 1	1,653
	(Labels and Prints	Aug. 19	Aug. 23	99

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

MAGNUM IMPORT COMPANY, INC., *v.* COTY. COHN TRADING AS MACLEN IMPORT COMPANY, *v.* COTY. BAUM ET AL., TRADING AS BEAUTEX COMPANY, *v.* COTY. IVORY NOVELTIES TRADING COMPANY, INC., *v.* COTY. MAGNUM IMPORT COMPANY, INC., *v.* HOUBIGANT, INC.

Nos. 978, 979, 980, 982, 981. Decided May 7, 1923.

1. CERTIORARI—POWER OF SUPREME COURT TO SUSPEND OR MODIFY DECREE OF CIRCUIT COURT OF APPEALS.
Under Judicial Code, section 262, this court has power to suspend or modify an interlocutory or final decree of the circuit court of appeals, which is reviewable under section 240 by certiorari, pending the disposition of a petition filed here for the issuance of that writ.

2. SAME—PURPOSES OF.
The jurisdiction to bring up cases from the circuit court of appeals by certiorari was given for the two purposes of securing uniformity of decision in the circuits and of having questions of importance decided by this court when desirable in the public interest—not for the purpose of giving the defeated party another hearing.

3. SAME—APPLICATION TO SUSPEND JUDGMENT OF CIRCUIT COURT OF APPEALS.
An application to suspend a judgment of the circuit court of appeals, pending disposition of a petition for certiorari here, should be first made to that court, which is free to determine it upon its own view of the likelihood of a certiorari being granted and of the balance of convenience.

4. SAME—SAME—STAY BY SUPREME COURT IN CASE OF REFUSAL BY CIRCUIT COURT OF APPEALS.
If the application be refused by that court, a stay will be granted here, pending the application for certiorari, only upon an extraordinary showing, and, even after certiorari has been granted, only in a clear case and upon a decided balance of convenience.

PETITIONS for orders, pending applications for certiorari, suspending decrees of the Circuit Court of Appeals for the Second Circuit.

APPLICATIONS for orders to suspend interlocutory decrees of the circuit court of appeals pending petitions for certiorari.

Mr. Charles H. Tuttle (Mr. Isaac Reiss and *Mr. William J. Hughes* on the briefs) for petitioners.

Mr. Asher Blum (Mr. Hugo Mock on the briefs) for Coty, respondent.

Mr. George S. Hornblower (Mr. Lindley M. Garrison and *Mr. Raoul E. Desvernine* on the brief) for Houbigant, Inc., respondent.

Mr. Chief Justice TAFT delivered the opinion of the Court.

All these cases involve the question how far the purchasers of perfumes made by manufacturers whose perfumes have gained a high reputation with the public may use the name and trade-mark of such manufacturers in rebottling or repacking and selling them when, as claimed by the manufacturers and owners of the trade-mark, the process of rebottling and repacking injures the perfumes and impairs the value of the trade-mark and the reputation of the manufacturers. In a case presenting a similar question, to wit, *Prestonettes, Inc.*, v. *Coty*, 260 U. S. 720; 326 O. G. 246, this Court granted a writ of certiorari, and applications in the above-entitled cases are now pending. They are also before us on petitions praying that this Court issue orders suspending the operation of the decrees of the circuit court of appeals and that, pending the applications for certiorari in this Court, we restore the temporary injunctions of the district court which the circuit court of appeals enlarged.

The district court found that the defendants in all these cases were infringing the rights of the complainants in their trade-marks and the use of their trade names, but thought it sufficient to permit the defendants to continue their rebottling and repacking of complainants' perfumes and powders if in the form in which resold, the bottles or boxes bore a legend reciting all the facts and not giving any more prominence to the fact that these were complainants' perfumes or powders than to the fact that they had been rebottled and repacked by defendants. The circuit court of appeals found that such rebottling and repacking as done by defendants so impaired the delicate odors and qualities of the perfumes and powders that it unlawfully injured the right of the complainants in their trade-marks and business, that such rebottling and repacking and resale with the use of the original manufacturer's trade-mark and name were a violation of a criminal statute of the State of New York, that the proposed inspection of defendants' rebottling and repacking with a view to preserving the excellence of the perfumes and powders would entail such expense and burden upon complainants as to be impracticable, and that the only complete and satisfactory remedy to which complainants were entitled was an injunction against the use of the complainants' trade-marks or names upon the rebottled or repacked articles for sale, and the temporary injunctions granted by the district court were accordingly modified and the case was remanded to the district court for final hearing. Applications were then made to the circuit court of appeals to stay the mandate and to grant an application upon proper bond to suspend its modification of the district court's orders until applications for certiorari and motions for a suspending order could be made to this Court. After full consideration, these motions were denied by the circuit court of appeals, its mandate has gone down and the injunctions as enlarged by it are now in force. Meantime these applications for certiorari have

been made here, and in advance of our consideration of them in due course, motions for the suspension of the orders of the circuit court of appeals have been presented to us on affidavits and heard, and are now to be decided.

It is objected for Houbigant, Inc., one of the respondents in these petitions for certiorari, that this Court has no jurisdiction to suspend the operation of the order or decree of the circuit court of appeals pending a petition for certiorari and before it is granted. The cases of *In re Massachusetts*, 197 U. S. 482, *In re Glaser*, 198 U. S. 171, and *McIntire* v. *Wood*, 7 Cranch 504, are cited to this point. They are wholly without application. The first two were cases pending in inferior courts which, under the Constitution and the statutes of the United States, could never, by any possibility, come within the jurisdiction of this Court. The third case was one of an application to a circuit court for the issuing of a mandamus to the register of the Land Office to compel him to issue a final certificate of purchase of land to the relator. This Court found that, under the statute, the circuit court was not given original power to issue a mandamus in such a case when not necessary or ancillary to the exercise of its jurisdiction otherwise conferred.

[1] Under section 262 of the Judicial Code this Court is given power to issue all writs not specifically provided for by statute which may be necessary for the exercise of its jurisdiction, and agreeable to the usages and principles of law. Here the jurisdiction of this Court to grant the application for certiorari already made and pending is conferred by section 240 of the Judicial Code. That section provides that in any case, civil or criminal, in which the judgment or decree of the circuit court of appeals is made final, it shall be competent for this Court by certiorari upon the petition of a party thereto to bring the case here for review as if it had come by error or appeal. By section 128 of the Judicial Code, as amended by the act of January 28, 1915, chapter 22, section 2, 38 Stat. 803, the judgment or decree of the circuit courts of appeals is made final in trade-mark cases. Hence, if in its discretion, this Court conceives that upon the showing made it should order the suspension or modification of a judgment or decree of the circuit court of appeals, interlocutory or final, to preserve or secure a status of the case for the full and satisfactory exercise of its reviewing power over it, it may make the necessary order of suspension or modification upon such terms as seem equitable upon the filing of the petition for certiorari and pending its disposition. So much on the question of the power.

[2] The question how the Court should exercise this power next arises. The jurisdiction to bring up cases by certiorari from the circuit courts of appeals was given for two purposes, first to secure uniformity of decision between those courts in the nine circuits, and second, to bring up cases involving questions of importance which it is in the public interest to have decided by this Court of last resort. The jurisdiction was not conferred upon this Court merely to give the defeated party in the circuit court of appeals another hearing. Our experience shows that 80 per cent of those who petition for certiorari do not appreciate these necessary limitations upon our issue of the writ. When, therefore, after the petition is filed and before its submission, an application is made for a suspension of the judgment or decree of the circuit court of appeals, a heavy burden rests on the applicant.

[3, 4] The petition should, in the first instance, be made to the circuit court of appeals which with its complete knowledge of the cases may with full consideration promptly pass on it. That court is in a position to judge first whether the case is one likely under our practice to be taken up by us on certiorari, and second, whether the balance of convenience requires a suspension of its decree and a withholding of its mandate. It involves no disrespect to this Court for the circuit court of appeals to refuse to withhold its mandate or to suspend the operation of its judgment or decree pending application for certiorari to us. If it thinks a question involved should be ruled upon by this Court, it may certify it. If it does not certify, it may still consider that the case is one in which a certiorari may properly issue, and may in its discretion facilitate the application by withholding the mandate or suspending its decree. This is a matter, however, wholly within its discretion. If it refuses, this Court requires an extraordinary showing, before it will grant a stay of the decree below pending the application for a certiorari, and even after it has granted a certiorari, it requires a clear case and a decided balance of convenience before it will grant such stay. These remarks, of course, apply also to applications for certiorari to review judgments and decrees of the highest courts of States.

Coming now to the circumstances presented on the inquiry before us, we find nothing to justify our granting the motion. It is clear that the circuit court of appeals gave full consideration to a similar motion and with a much fuller knowledge than we can have, denied it. As we have said, we require very cogent reasons before we will disregard the deliberate action of that court in such a matter. We have read the affidavits and we do not find that the petitioners have, in the light of what we have said, made a case for the suspension of the order. On the contrary, the weight of the evidence is clearly with the respondents.

The petitions are denied.

Supreme Court of the United States.

ELECTRIC BOAT COMPANY *v.* THE UNITED STATES. *Decided January 28, 1924.*

CONTRACT—LICENSE GRANTED TO GOVERNMENT—CONSTRUCTION OF.

Where the United States, without disclosure to it of the scope of an application for patent, obtained by a contract with the applicant a license, at certain rates, to manufacture and use the devices covered by the application, and was later sued by the licensor for its use of a device procured from another, which the licensor claimed within his application and subsequent patent, *Held:* (*a*) That the Government was not estopped from showing, by attendant facts and circumstances, that the contract was not intended by the parties to apply to the device so used; and (*b*) that a judgment of the Court of Claims, so limiting the contract, upon facts found, was not erroneous as a matter of law.

Mr. Dean S. Edmonds and *Mr. Frederick P. Fish*, with whom *Mr. William H. Davis* was on the brief, for Electric Boat Company.

Mr. Harry E. Knight, Special Assistant to the Attorney General, with whom *Mr. Solicitor General Beck*, *Mr. Assistant Attorney General Lovett*, and *Mr. L. G. Miller*, Special Assistant to the Attorney General, were on the brief, for the United States.

APPEAL from the Court of Claims.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a suit upon a contract made between the claimant and the United States on April 2, 1912. The contract, headed "Shop License," recites that the claimant is "owner of the invention known as steam generator for automobile torpedoes covered by applications" of which it is necessary to mention only one, dated March 29, 1909; licenses the United States to manufacture and use torpedoes equipped with steam generators covered by the application to the end of the term for which patent may be granted, and binds the United States to pay at certain rates for such torpedoes. The claimant alleged that the United States had used the devices covered by claims 1, 5 and 13 of Letters Patent [1,036,080] issued upon the above application on August 20, 1912. The Court of Claims found that those devices had not been used by the United States, but that the mechanism actually used by it was practically identical with that of a rival, the E. W. Bliss Company, that had been successfully tested in the fall of 1911, before the date of the above contract and before the plaintiff had attempted but failed to satisfy the same tests.

When this contract was made the United States had not seen the applications, which were the claimant's secret. Both parties knew that the Government was dealing also with a rival concern, and the United States at least, and probably the claimant, knew that the rival had satisfied the Government's tests, which the claimant had not then done. It could not be believed that the contract meant a blind acceptance of liability for whatever might be in an undisclosed document. It did not; what it aimed at was a specific device which it was given to understand had been invented. We do not argue this at length because the proposition is accepted by the claimant.

The purpose of the license agreement was to secure to appellee the right to use the steam generator devised by Davison, regardless of any question as to the validity of patents he might obtain or as to the scope of their claims.

The dealings began with proposals for applying a system to existing torpedoes that would double their range, illustrated by a drawing showing the general arrangement of the device, identifying it but not disclosing it in detail. They ended in the contract, which went further, but undoubtedly had reference to a system the general nature of which was understood.

We must take it on this record that at the time certain elements in the construction of self-moving torpedoes were well known. The front end contained the explosive. Behind that was a chamber of compressed air that was transmitted to an engine moving the propeller through a pipe with a valve that reduced the pressure of the condensed air to the desired point and kept it constant. The moving force was enhanced by heating the air after it left the valve. This was done by passing it through a combustion chamber into which was forced alcohol or other fuel. The fuel was in a third chamber and was carried to the place of combustion by the condensed air through a second pipe from beyond the reducing valve. It was ignited when the shell was launched. More was needed to carry the torpedo the distance required to make it usable in modern warfare. It was understood that the result could be accomplished and danger to the contrivance from excessive heat avoided by the introduction of water into the combustion chamber where it would become steam. The Bliss Company had given this knowledge a practical form, and there is no warrant in the record as it comes to us for suggesting that the claimant had anything to do with the Bliss Company's success, or that the Government had any reason for thinking that it had. In deciding what the Government reasonably supposed that it was buying these facts are important and what may have been contained in the undisclosed application is of little or no weight. Whatever may have been the rights of the claimant as against the Bliss Company the Government was entitled to assume that they did not extend to the above elements, separately or combined.

Manifestly on these facts the Government is not estopped to show that its contract applied only within narrow limits. If the facts were as it had a right to suppose them to be, the contract necessarily was so limited. The Government thought that it might be that the claimant had found a more perfect way to do what was wanted and what the Bliss Company already had done, but on the record before us it would be monstrous to suppose that it was undertaking to pay the claimant for the Bliss Company product. The claimant was thought by the Government to have failed in its undertaking and therefore its device was laid aside. That device had certain peculiarities not repeated by the Bliss Company's, but the claimant relies and has to rely here upon the broad contention that the introduction of water to the combustion chamber in an effective way belongs to it, which seems unlikely in view of the previous British patent to Sodeau, in 1907, and others, and which it seems to us clearly might have been found, as by implication it was found, by the Court of Claims, not to have been the assumption or the meaning of the contract. So far as appears the use of water by the Bliss Company owed nothing to Davison, the claimant's

assignor, but very closely embodied the suggestions of Sedeau and other predecessors in the field. We cannot say as matter of law that the Court of Claims was wrong.

Decree affirmed.

Supreme Court of the United States.

PRESTONETTES, INC., v. COTY.

Decided April 7, 1924.

1. TRADE-MARKS—RIGHT OF PURCHASER TO DIVIDE OR MODIFY AND RESELL MATERIAL COVERED BY TRADE-MARK.

Defendant had a right to compound or change what it bought from C., the owner of trade-marks covering the purchased material, to divide either the original or the modified product, and to sell it so divided, and C. could not prevent or complain of its stating the nature of the component parts and the source from which they were derived if it did not use the trade-mark in doing so.

2. SAME—RIGHTS CONFERRED BY TRADE-MARK.

A trade-mark does not confer a right to prohibit the use of the word or words, but only to prohibit the use of it so far as to protect the owner's goodwill against the sale of another's product as his.

3. SAME—USE OF TRADE-MARK COLLATERALLY, NOT TO INDICATE GOODS.

Where C. registered the word "Coty" for toilet powders and perfumes and the district court allowed P. to make compacts from C.'s genuine loose powder and to sell them with this label on the container: "Prestonettes, Inc., not connected with Coty, states that the compact of face powder herein was independently compounded by it from Coty's—(giving the name of the article) loose powder and its own binder. Loose powder—per cent. Binder — per cent," every word to be in letters of the same size, color, type, and general distinctiveness, *Held* that when, as here, the name "Coty" in no way stands out from the statement of facts which unquestionably P. has a right to communicate in some form, no reason can be seen why the name should not be thus used collaterally, not to indicate the goods, but to say that the trade-marked product is a constituent in the article now offered as new and changed.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Second Circuit.

Mr. Charles H. Tuttle and *Mr. Louis Marshall*, with whom *Mr. Isaac Reiss* and *Mr. William J. Hughes* were on the briefs, for petitioner.

Mr. Asher Blum and *Mr. Lindley M. Garrison*, with whom *Mr. Hugo Mock* was on the briefs, for respondent.

Mr. George S. Hornblower, *Mr. Raoul E. Desvernine*, and *Mr. Frederic D. McKenney*, by leave of Court, filed a brief as amici curiæ.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a bill in equity brought by the respondent, Coty, a citizen of France, against Prestonettes, a New York corporation, having its principal place of business in the southern district of New York. It seeks to restrain alleged unlawful uses of the plaintiff's registered trade-marks, "Coty" and "L'Origan" upon toilet powders and perfumes. The defendant purchases the genuine powder, subjects it to pressure, adds a binder to give it coherence and sells the compact in a metal case. It buys the genuine perfume in bottles and sells it in smaller bottles. We need not mention what labels it used before this suit as the defendant is content to abide by the decree of the district court. That decree allowed the defendant to put upon the rebottled perfume "Prestonettes, Inc., not connected with Coty, states that the contents are Coty's—(giving the name of the article) independently rebottled in New York," every word to be in letters of the same size, color, type and general distinctiveness. It allowed the defendant to make compacts from the genuine loose powder of the plaintiff and to sell them with this label on the container: "Prestonettes, Inc., not connected with Coty, states that the compact of face powder herein was independently compounded by it from Coty's—(giving the name) loose powder and its own binder. Loose powder—per cent. Binder—per cent," every word to be in letters of the same size, color, type, and general distinctiveness. The circuit court of appeals, considering the very delicate and volatile nature of the perfume, its easy deterioration, and the opportunities for adulteration, issued an absolute preliminary injunction against the use of the above marks except on the original packages as marked and sold by the plaintiff, thinking that the defendant could not put upon the plaintiff the burden of keeping a constant watch. 285 Fed. Rep. 501. Certiorari granted, 260 U. S. 720.

The bill does not charge the defendant with adulterating or otherwise deteriorating the plaintiff's product except that it intimates rather than alleges metal containers to be bad, and the circuit court of appeals stated that there were no controverted questions of fact but that the issue was simply one of law. It seemingly assumed that the defendant handled the plaintiff's product without in any way injuring its qualities and made its decree upon that assumption. The decree seems to us to have gone too far.

[1, 2] The defendant of course by virtue of its ownership had a right to compound or change what it bought, to divide either the original or the modified product, and to sell it so divided. The plaintiff could not prevent or complain of its stating the nature of the component parts and the source from which they were derived if it did not use the trade-mark in doing so. For instance, the defendant could state that a certain percentage of its compound was made at a certain place in Paris, however well known as the plaintiff's factory that place might be. If the compound was worse than the constituent, it might be a misfortune to the plaintiff, but the plaintiff would have no cause of action, as the defendant was exercising the rights of ownership and only telling the truth. The existence of a trade-mark would have no bearing on the question. Then what new rights does the trade-mark confer? It does not confer a right to prohibit the use of the word or words. It is not a copyright. The argument drawn from the language of the Trade-Mark Act does not seem to us to need discussion. A trade-mark only gives the right to prohibit the use of it so far as to protect the owner's goodwill against the sale of another's product as his. *United Drugs Co.* v. *Theodore Rectanus Co.*, 248 U. S. 90, 97; 257 O. G. 1082. There is nothing to the contrary in *A. Bourjois & Co.* v. *Katzel*, 260 U. S. 689. There the trade-mark protected indicated that the goods came from the plaintiff in the United States, although not made by it, and therefore could not be put upon other goods of the same make coming from abroad. When the mark is used in a way that does not deceive the public we see no such sanctity in the word as to prevent its being used to tell the truth. It is not taboo. *Canal Co.* v. *Clark*, 13 Wall. 311, 327.

If the name Coty were allowed to be printed in different letters from the rest of the inscription dictated by the district court a casual purchaser might look no further and might be deceived. But when it in no way stands out from the statement of facts that unquestionably the defendant has a right to communicate in some form, we see no reason why it should not be used collaterally, not to indicate the goods, but to say that the trade-marked product is a constituent in the article now offered as new and changed. As a general proposition there can be no doubt that the word might be so used. If a man bought a barrel of a certain flour, or a demijohn of Old Crow whisky, he certainly could sell the flour in smaller packages or in former days could have sold the whisky in bottles, and tell what it was, if he stated that he did the dividing up or the bottling. And this would not be because of a license implied from the special facts but on the general ground that we have stated. It seems to us that no new right can be evoked from the fact that the perfume or powder is delicate and likely to be spoiled, or from the omnipresent possibility of fraud. If the defendant's rebottling the plaintiff's perfume deteriorates it and the public is adequately informed who does the rebottling, the public, with or without the plaintiff's assistance, is likely to find it out. And so of the powder in its new form.

This is not a suit for unfair competition. It stands upon the plaintiff's rights as owner of a trade-mark registered under the act of Congress. The question therefore is not how far the Court would go in aid of a plaintiff who showed ground for suspecting the defendant of making a dishonest use of his opportunities, but is whether the plaintiff has the naked right alleged to prohibit the defendant from making even a collateral reference to the plaintiff's mark. We are of opinion that the decree of the circuit court of appeals must be reversed and that that of the district court must stand.

Decree reversed.

Mr. Justice MCREYNOLDS dissents.

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Nagy patent, No. 1,419,583, for attachment for cork-making machines, claims 1, 3, and 6, *Held* not infringed. *Nagy* v. *International Cork Co.*, 298 F. R., 931.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

923,799, C. W. Saalburg, Process of making pictures, suit filed July 21, 1924, D. C., S. D. N. Y., Doc. E 30/30, *Van Dyck Gravure Co. et al.* v. *New Gravure Printing Co., Inc.*

923,184, Krause & Dorn, Bottle cases or crates, suit filed July 2, 1924, D. C. Minn., Doc. 721, *W. C. Krause* v. *Northwestern Collapsible Carrier Co.*

963,013, G. H. Smith, Asbestos-faced fabric, suit filed July 9, 1924, D. C., E. D. Pa., Doc. 3079, *Adams Innersole Co.* v. *H. N. Hill (H. N. Hill & Co.)*.

963,203, 1,353,790, J. A. Boyce Printing and folding machine, suit filed July 16, 1924, D. C., E. D. Mich., Doc. 784, *J. A. Boyce* v. *The Duplex Printing Press Co.*

968,576, C. R. Libby, Pneumatic-dispatch-tube apparatus, appeal filed Apr. 8, 1924, C. C. A. (1st Cir.), Doc. 1738, *E. T. Slattery Co.* v. *The Lamson Co.* Decree of the district court affirmed with costs to the appellee (notice dated July 21, 1924).

985,709, D. F. Shope, Method of waterproofing cement blocks; 1,270,450, same, Waterproofing and ornamenting objects; 1,306,977, same, Brickmaking machine, suit filed Aug. 4, 1923, D. C. Oreg., Doc. E 8061, *Shope Brick Co.* v. *Ward & Peterson*. Final decree entered June 9, 1924, holding Patent 985,709 valid. Patents 1,270,450 and 1,306,977 are not referred to in the decree, and the bill has never been dismissed as to them. The final decree provides for an injunction; but one has not been issued.

997,358, H. R. Ameling, Prospecting drill, suit filed July 2, 1924, D. C., S. D. Calif., (S. Div.) Doc. E. H-106-J, *Spengler Core Drilling Co.* v. *H. C. Smith et al.*

1,016,928, H. B. Bishop, Cleansing fabric, suit filed July 14, 1924, D. C., S. D. N. Y., Doc. E 30/4, *H. B. Bishop et al.* v. *Sands & Ross, Inc.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, suit filed July 14, 1924, D. C., N. D. Ohio (W. Div.), Doc. 477, *General Electric Co.* v. *The Save Miniature Lamp Co. et al.*

1,036,289, R. A. Mauger, Water gauge, appeal filed Mar. 3, 1924, C. C. A. (1st Cir.), Doc. 1712, *Edna Brass Mfg. Co.* v. *Wilbanco Mfg. Co.* Decree of the district court affirmed with costs in this court to appellee (notice dated July 21, 1924).

1,094,692, C. H. Allison, Explosive-cap protection; 1,218,504, F. Alexander, Electric-blasting-cap protector, suit filed Apr. 18, 1924, D. C., S. D. Calif. (S. Div.), Doc. 1697 M/Law, *F. Alexander et al.* v. *Hercules Well Shooting & Contracting Co.*

1,178,938. (See 1,458,593.)

1,180,159. (See 1,018,502.)

1,218,504. (See 1,094,692.)

1,225,682, J. Schulde, Show-case refrigerator; 1,447,733, same, refrigerator; 1,476,925, same, Counter refrigerator, suit filed July 22, 1924, D. C. Mo., Doc. 549, *H. L. Hussmann Refrigerator & Supply Co.* v. *Viking Refrigerators, Inc.*

1,235,680. A. Greco. Device and method of canning beans, suit filed July 18, 1924, D. C., N. D. Calif., Doc. 1307, *L. Oneal v. San Jose Canning Co.*

1,263,879. A. Gerosa. Lugs for power-plant support for motor vehicles, suit filed Nov. 8, 1924, D. C., N. D. Ohio (E. Div.), Doc. 998, *A. Gerosa et al. v. The Columbia Metal Stamping & Die Co. et al.* Final decree perpetually enjoining J. C. Simmons, his agents, etc., against infringing and also restraining the Columbia Metal Stamping & Die Co., its agents, etc., from making and selling infringing devices to J. C. Simmons, his agents, etc.; cause referred to special master for an accounting. Bill dismissed so far as charges infringement against the Columbia Metal Stamping & Die Co. by manufacture and sale to others than J. C. Simmons, his agents, etc., July 15, 1924.

1,270,450. (See 985,709.)

1,279,454. D. H. Schweyer. Train-stopping apparatus; 1,342,873, same. Train-controlling apparatus; 1,389,602, same. Automatic train-control system, suit filed Dec. 20, 1923, D. C., S. D. N. Y., Doc. E 28-194, *Schweyer Electric & Mfg. Co. et al. v. Regan Safety Devices Co., Inc., et al.* Decree in favor of plaintiff, enjoining defendants from interfering with the title of said patents; plaintiff to recover costs and receive judgment, filed May 21, 1924. (To correct error in OFFICIAL GAZETTE of July 29, 1924, page 968.)

1,306,977. (See 985,709.)

1,324,178. W. T. Sherman. Inserting bristles in rubber pads, suit filed July 24, 1924, D. C., S. D. N. Y., Doc. E 30/36, *H. L. Hughes Co., Inc., v. M. Vidaver.*

1,342,873. (See 1,279,454.)

1,353,709. (See 963,203.)

1,387,901. F. E. Payne. Method of making condensers, suit filed June 17, 1924, D. C., E. D. Pa., Doc. 3063, *Crane Packing Co. v. Anchor Packing Co.*

1,389,602. (See 1,279,454.)

1,390,267. C. F. Arnold. Machine for making and applying tufts, suit filed Apr. 28, 1924, D. C., E. D. Pa., Doc. 3019, *F. F. Walliser Co. v. F. W. Maurer & Sons Co.*

1,399,299. A. B. Heinke. Stocking, suit filed June 30, 1924, D. C., E. D. Pa., Doc. 3083, *A. B. Heinke v. Chipman Knitting Mills.*

1,408,106. H. McCabe. Flanging machine, suit filed July 23, 1924, D. C., S. D. Ohio (E. Div.), Doc. 310, *H. McCabe v. W. M. Tucker et al. (The Tucker Boiler Works).*

1,423,170. E. M. White. Homogenizers, suit filed Apr. 1, 1924, D. C., S. D. Calif. (S. Div.), Doc. E H-79-B, *E. M. White v. R. Hamlin, Inc.*

1,447,534. C. C. Corbett. Pocket savings bank, suit filed July 24, 1924, D. C., S. D. N. Y., Doc. E 30/37, *The A. R. Martin Co. v. D. H. Zell, Inc., et al. (National Bank Supply Co.).*

1,447,733. (See 1,225,682.)

1,449,689. Muehleisen & Muehleisen. Tent, suit filed July 15, 1924, D. C., S. D. Calif. (S. Div.), Doc. E H-109 J. *Muehleisen et al. v. F. R. Barbour.*

1,458,593. J. F. Raleigh. Shutter apparatus for radiators; 1,471,510, G. M. Willis. Radiator-shutter control; 1,478,938, C. Nielsen, jr., Shutter device for gas-engine radiators, final decree holding patents valid and infringed; perpetual injunction granted, July 18, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1009, *Pines Mfg. Co. et al. v. Fedders Mfg. Co. et al.*

1,471,510. (See 1,458,593.)

1,476,925. (See 1,225,682.)

1,491,086. J. A. Weil. Corset, suit filed July 19, 1924, D. C., S. D. N. Y., Doc. E 20/29, *J. A. Weil et al. v. S. Rubin et al. (Rarell Co.).*

1,495,582. E. W. Engle. Battery charger, suit filed July 23, 1924, D. C., W. D. Ky., Doc. 340, *Fansteel Products Co., Inc., v. L. F. Wolke et al.*

Re. 13,749. F. H. Fuller. Paper-making machine, suit filed June 5, 1924, D. C., E. D. Pa., Doc. 3051, *Tompkins-Hawley Fuller Co. v. Ajax Paper Mills.*

Des. 59,536. A. Baron. Holster for toy pistol, suit filed July 16, 1924, D. C., S. D. N. Y., Doc. E 30/9, *A. Baron v. H. Schocart; et al.*

Des. 63,962. F. M. Poritz. Electric canopy; Des. 63,963, same. Electric-socket cover; Des. 64,079, same. Chandelier body, suit filed July 18, 1924, D. C., S. D. N. Y., Doc. E 30/11, *Star Chandelier Co., Inc., v. Royal Metal Lighting Fixture Co., Inc., et al.*

Des. 63,963. (See Des. 63,962.)

Des. 64,079. (See Des. 63,962.)

Des. 65,031. F. F. Woelfel. Picture glass or similar article, suit filed July 21, 1924, D. C., S. D. Ohio (E. Div.), Doc. 309, *Chicago Portrait Co. v. The Culver Art & Frame Co.*

T. M. 119,268. Consolidated Wafer Co., Ice-cream cone, suit filed June 9, 1924, D. C., N. D. Ill. (E. Div.), Doc. 4067, *Consolidated Wafer Co. v. P. Ariola (West Diamond Cone Co.).*

TRADE-MARKS CANCELED.

156,051. Brassières, bandeaux, corsets, hip girdles, bust ruffles, bust forms, corset pads, corset belts, and bloomers. The Charles H. Scott Company, Chicago, Ill. Registered June 13, 1922. Canceled July 24, 1924.

157,562. Women's hosiery of silk or cotton or combinations of the same. Propper Silk Hosiery Mills Inc., New York, N. Y. Registered August 8, 1922. Canceled July 23, 1924.

168,294. Overalls, jackets, and combination outer suits. D. M. Oberman Mfg. Co., Jefferson City, Mo. Registered May 15, 1923. Canceled July 28, 1924.

169,697. Dental anesthetic. Sarah Esther Donohue, doing business as the Peerless Dentists, Eugene, Oreg. Registered June 26, 1923. Canceled July 21, 1924.

170,213. Lubricant or grease specially adapted for use in gear cases of automobiles. Pittsburgh Oil Refining Corporation, Baltimore, Md. Registered July 10, 1923. Canceled July 23, 1924.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 9, 1924.

[VOL. 326 NO. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 11 of said act, a fee of ten dollars must accompany each notice of opposition.

SER. NO. 161,906. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL OPTICAL CORPORATION, Providence, R. I. Filed Apr. 7, 1922.

ITFITZ TUBULAR

No claim is made to the word "Tubular" apart from the mark shown in the drawing.

Particular description of goods. Spectacles, Eyeglasses, Goggles, Eye-Testing Instruments, Glass-Testing Instruments, Lens-Measuring Instruments, and Parts Thereof.

Claims use since 1916.

SER. NO. 161,907. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL OPTICAL CORPORATION, Providence, R. I. Filed Apr. 7, 1922.

ITFITZ

Particular description of goods. Spectacles, Eyeglasses, Goggles, Eye-Testing Instruments, Glass-Testing Instruments, Lens-Measuring Instruments, and Parts Thereof.

Claims use since 1916.

SER. NO. 167,369. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) G. SIDENBERG & CO., New York, N. Y. Filed July 25, 1922.

CAPITOL

Particular description of goods.—Cotton Piece Goods.

Claims use since Mar. 1, 1917.

SER. NO. 171,970. (CLASS 38. PRINTS AND PUBLICATIONS.) THE THEATRE GUILD, INC., New York, N. Y. Filed Oct. 30, 1922.



Particular description of goods. Printed Books of a Series.

Claims use since Sept. 1, 1921.

SER. NO. 173,330. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM L. KANN, Pittsburgh, Pa. Filed Dec. 11, 1922.

KWATTA

Particular description of goods. Nonalcoholic, Maltless Fruit Juices for Making Soft Drinks.

Claims use since July, 1920.

SER. NO. 174,561. (CLASS 2. RECEPTACLES.) CORRECT CONTAINER CO., Cincinnati, Ohio. Filed Jan. 13, 1923.



Particular description of goods.—Containers of Paper and Similar Materials Which Have been Chemically Treated for Shipping and Storing Food Products and Similar Articles.

Claims use since November, 1922.

Ser. No. 175,108. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PERCIVAL L. BOOKLEDGE, Livingston, Calif. Filed Jan. 25, 1923.

Shu~ Bright

Particular description of goods.—Shoe Polish.
Claims use since July 5, 1922.

Ser. No. 177,541. (CLASS 39. CLOTHING.) ELLARBE DIX BECKER, New York, N. Y. Filed Mar. 16, 1923.

RIXIE-DAG

Particular description of goods.—Articles of Wearing Apparel—Namely, Waists, Blouses, and Dresses.
Claims use since December, 1921.

Ser. No. 179,622. (CLASS 38. PRINTS AND PUBLICATIONS.) A. NEWTON PLUMMER CORPORATION, New York, N. Y. Filed Apr. 24, 1923.

National Financial News Service

Particular description of goods.—Daily News Letter.
Claims use since about February, 1920.

Ser. No. 180,509. (CLASS 38. PRINTS AND PUBLICATIONS.) THEATRE GUILD, INC., New York, N. Y. Filed May 11, 1923.

THEATRE GUILD

Particular description of goods.—Printed Books of a Series.
Claims use since April, 1919.

Ser. No. 180,656. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DOUGLAS MOTORS LIMITED, Kingswood, Bristol, England. Filed May 15, 1923.



Particular description of goods. Axle Caps for Vehicles, Coach Ironmongery, Cycle Cranks, Metal Cycle Component Parts, Metal Vehicle Frames, Free Wheel Clutches for Cycles, Metal Wheel Hubs, Metal Motor Car Frames, Metal Mud Guards for Vehicles, Pedals for Cycles, Metal Rims or Fellies, Metal Saddle Frames, Metal Shackles, Metal Spokes, Vehicle Springs, and Metal Vehicle Wheels.
Claims use since 1913.

Ser. No. 181,723. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRKS, CRAWFORD & LINDSAY, LTD., Vancouver, British Columbia, Canada. Filed June 9, 1923.

MILL STREAM

Particular description of goods. Canned Salmon.
Claims use since 1920.

Ser. No. 182,500. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DEARBORN COMPANY, Chicago, Ill. Filed June 27, 1923.

DEARMAID

Particular description of goods. Children's Toy Vehicles, Toy Furniture, Hobbyhorses, Dolls, Mechanical Toys, Toy Musical Instruments, Toy Golf Sets, Baseball and Football Games, Building Blocks, and Pool Tables.
Claims use since January, 1921.

Ser. No. 183,103. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. FLEISCHER & SONS, Cincinnati, Ohio. Filed July 12, 1923.

131064

Particular description of goods. Ribbon Made of Silk and Cotton on Reels or in Bolts.
Claims use since Jan. 1, 1914.

Ser. No. 183,291. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER JONES JEWELL MILLING COMPANY, New York, N. Y. Filed July 16, 1923. Under 10 year proviso.

THE HARVEST QUEEN

Particular description of goods. Wheat Flour
Claims use since 1892.

Ser. No. 183,486. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JEWELL NURSERY COMPANY, Lake City, Minn. Filed July 20, 1923.

JEWELL NURSERY SERVICE

No claim is made to the words "Nursery Service" apart from the mark shown in the drawing.
Particular description of goods. Nursery Stock Including Fruit Trees, Such as Apples, Plums, Cherries, Apricots, Quince; Small Fruits, Such as Currants, Gooseberries, Raspberries, Blackberries, Blueberries, Grapes, Strawberries; Horse-Radish, Asparagus, Rhubarb; Forest Seedlings, Such as Ash, Box Elder, Cottonwood, Catalpa, Black Locust, Russian Mulberry, Elm, Maple, Poplar, and Willow; Evergreens, Such as Arbor Vitæ, Cedar, Fir, Hemlock, Pine, Spruce, Juniper; Shade and Ornamental Trees, Such as Ash, Box Elder, Poplar, Butternut, Walnut, Birch, Catalpa, Elm, Horse-Chestnut, Hackberry, Linden, Locust, Maple, Willow, Mountain Ash, Mulberry; Ornamental Shrubs, Such as Althea, Almond, Barberry, Buckthorn, Caragana, Flowering Crab, Coral Berry, Cranberry, Flowering Currant, Deutzia, Dogwood, Elder, Forsythia, Hazelnut, Honeysuckle, Hydrangea, Juneberry, Olive, Mock Orange, Flowering Plum, Privet, Purple Fringe, Snowball, Snowberry, Sumac, Sand Cherry, Philadelphus, Tamarix, Viburnum, Weigela, Spiræa, Lilacs; Ornamental Climbing Vines, Such as Aristolochia Sipho, American Ivy, Ampelopsis, Bittersweet, Boston Ivy, Clematis, Dutchman's Pipe, Honeysuckle, Hopvine, Matrimony Vine; Perennial Plants, Such as Achillea, Aster, Artemesia, Bleeding Heart, Boltonia, Buttercup, Canterbury Bell, Clematis, Columbine, Coreopsis, Daisy, Digitalis, Delphinium, Day Lily, Dahlia, Funkia, Gaillardia, Golden Glow, Hibiscus, Hollyhock, Iris, Larkspur, Lily of the Valley, Tiger Lily, Peonies, Phlox, Platycodon, Poppies, Plantain Lily, Pinks, Pyrethrum, Ribbon Grass, Sweet William, Sweet Peas, Yucca; Bulbs of Tulips, Hyacinths; All Varieties of Roses in and Out Door, and in and Out Door Flowers and Bedding Plants Propagated and Grown in Greenhouses.
Claims use since September, 1922.

Ser. No. 183,990. (CLASS 38. PRINTS AND PUBLICATIONS.) ADA E. PORTSER, doing business as Business Publications Co., New York, N. Y. Filed Aug. 2, 1923.

Giffs and Greeting Cards

Particular description of goods.—Publications Namely, Magazines
Claims use since Apr. 1, 1923.

Ser. No. 184,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYRURGIA S. A., Barcelona, Spain. Filed Aug. 4, 1923.

MYRURCIA

Particular description of goods.—Massage Cream, Cold Cream, Toilet Cream, Antiseptic Cream, Almond Cream, Perfumery, Essence, Scents, Essential Oils, Perfumery Extracts, Sachet Powder, Face Powder, Toilet Powder, Antiseptic Powder, Toilet Waters, Tooth Paste and Powder, Powder for Cleaning the Nails and Nail Enamel, Chemicals for Imparting Odor or Color to Perfumes, Toilet Rouge, Foot Powder, Mouth Wash, Eyebrow Pencils and Hand Lotion.
Claims use since July 31, 1915.

Ser. No. 184,158. (CLASS 39. CLOTHING.) S. BLECHMAN & SONS INC., New York, N. Y. Filed Aug. 7, 1923.

Charm

Particular description of goods.—Underwear of Knitted and Textile Fabric for Men, Women, and Children; Ladies' Apparel—Namely, Bath Robes, Sweaters, Gowns, Brassières, Camisoles, Aprons, Petticoats, Kimonos, Chemise, Middy Blouses, Dresses, Cloth Slippers, Collars, and Vestees; Infants' and Children's Apparel—Namely, Bath Robes, Sweaters, Bootees, Jackets, Coats, Capes, Rompers, Creepers, Kimonos, Princess Slips, Middy Blouses, Dresses, Leggings, Wash Suits, Blouses, and Pants; and Men's Cravats, Mufflers, Garters, and Arm Bands.
Claims use since November, 1922.

Ser. No. 184,419. (CLASS 12. CONSTRUCTION MATERIALS.) PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1923.

COLUMBIA

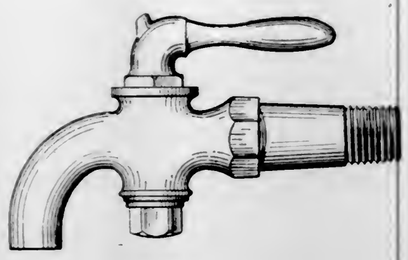
PITTSBURGH-PLATE-GLASS-COMPANY
COLUMBIA CHEMICAL DIVISION
LIMESTONE-PRODUCTS DEPARTMENT
ZANESVILLE-OHIO

The wording on the drawing "Limestone-Products Department, Zanesville-Ohio" is disclaimed apart from the mark shown.

Particular description of goods.—Cement.

Claims use since Mar. 15, 1923.

Ser. No. 184,717. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILL S. FAWCETT, El Centro, Calif. Filed Aug. 20, 1923.



Particular description of goods.—Fresh Cantaloupes, Lettuce, and Grapes.

Claims use since May 1, 1909.

Ser. No. 188,060. (CLASS 2. RECEPTACLES.) THE PENNZOIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 6, 1923.

HANDIGALLON

Particular description of goods.—Sheet-Metal Containers for Lubricating Oils.

Claims use since July, 1922.

Ser. No. 188,292. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Filed Nov. 14, 1923.

BUFFLOVAK

Particular description of goods.—Calandrias, Causticizers, Concentrators, Condensers, Crystallizers; Rotary, Hot Air, Vacuum Drum, Vacuum Shelf, Atmospheric Single Drum, Atmospheric Double Drum, and Vacuum Rotary Driers; Evaporators, Flakers, Fractionating Columns, Impregnating Apparatus, Malt-Sirup-Plant Equipment, Milk-Condensing Machinery, Milk-Powder Machinery, Pumps, Vacuum and Evaporating Pans, Vacuum and Steam Jacketed Kettles, Vulcanizers, Salt-Plant Equipment, Solvent Recovery Apparatus, Stills, Beet and Cane Sugar Manufacturing Apparatus, and Wood Distillation Equipment.

Claims use since Mar. 1, 1913.

Ser. No. 189,787. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed Dec. 17, 1923.

OVERLAND

Particular description of goods.—Children's Wagons, Scooters, and Cars.

Claims use since November, 1906.

Ser. No. 190,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT MILLER & CO., Chicago, Ill. Filed Dec. 22, 1923.



No claim is made to the words "Brand" or "Selected" or "Seed and Table" and "Potatoes" apart from the mark as shown.

Particular description of goods.—Potatoes in Their Natural State.

Claims use since Mar. 1, 1922.

Ser. No. 190,075. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS CO., Winona, Minn. Filed Dec. 24, 1923.

EZYWASH

Particular description of goods.—Laundry and Toilet Soaps, Soap Jelly, Soap-Powder, Soap Flakes, and Soap Creams Used Before Shaving.

Claims use since Nov. 6, 1923.

Ser. No. 190,502. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WINFRED H. HALFORD, doing business as Halford Co., Somerville, Mass. Filed Jan. 7, 1924.

IrishAde

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Extracts for Making the Same.

Claims use since Apr. 1, 1923.

Ser. No. 191,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. H. & F. JORDAN, JR. MFG. CO., Philadelphia, Pa. Filed Jan. 21, 1924.

KILZAN

Particular description of goods.—Liquid Insecticide.

Claims use since Jan. 2, 1924.

Ser. No. 191,682. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FIRST AID SPECIALTY COMPANY, INC., New York, N. Y. Filed Feb. 2, 1924.

ELECTRI - KIT

The word "Kit" is disclaimed except as herein disclosed or in simulation of the same.

Particular description of goods.—First-Aid Kits of Medicinal and Surgical Supplies.

Claims use since Oct. 29, 1923.

Ser. No. 191,888. (CLASS 12. CONSTRUCTION MATERIALS.) EDWARD KUZIAK, doing business as American Catholic Builders Co., New York, N. Y. Filed Feb. 6, 1924.

E. K.
AMERICAN
CATHOLIC BUILDERS CO.

Particular description of goods.—Cement Composition for Building Construction.

Claims use since Dec. 1, 1923.

Ser. No. 192,043. (CLASS 15. OILS AND GREASES.) SHERWOOD BROS. INC., Baltimore, Md. Filed Feb. 8, 1924.

REXOLINE

Particular description of goods.—Lubricating Oils and Greases.

Claims use since 1906.

Ser. No. 192,103. (CLASS 39. CLOTHING.) ACERBACH & GUETTEL, doing business as The Palace Clothing Company, Kansas City, Mo. Filed Feb. 11, 1924.

Meadowbrook

Particular description of goods.—Men's and Boys' Suits.

Claims use since Nov. 15, 1923.

Ser. No. 192,204. (CLASS 39. CLOTHING.) E. J. WILE & CO., New York, N. Y. Filed Feb. 12, 1924.

PLUSKIRT

Trade-mark consists of the word "Pluskirt."

Particular description of goods.—Coats and Suits.

Claims use since Jan. 17, 1924.

Ser. No. 192,207. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES F. BARRY, Dallas, Tex. Filed Feb. 13, 1924.

RIVAL

Particular description of goods.—Razors, Safety Razors, and Blades Therefor.

Claims use since June 1, 1922.

Ser. No. 192,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATHERINE WINIKATES, doing business as P D Q Laboratories, Chicago, Ill. Filed Feb. 13, 1924.



All wording appearing on the drawing with the exception of the letters "P D Q" is hereby disclaimed.

Particular description of goods.—Salve to be Used for Healing of Sores, Burns, and Rubbing.

Claims use since Jan. 1, 1923.

Ser. No. 192,302. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BETTY PRODUCTS COMPANY, Hartford, Conn. Filed Feb. 15, 1924.



Particular description of goods.—Game Played After the Manner of Dominoes.

Claims use since Jan. 9, 1924.

Ser. No. 192,570. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELI GUGGENHEIM, doing business as Character Case Company, Cincinnati, Ohio. Filed Feb. 20, 1924.

Heavenly Twins

Particular description of goods.—A Receptacle Designed for Containing Apparatus and Paraphernalia Used in a Game Similar to Dominoes and Racks Used Therewith.

Claims use since Feb. 1, 1924.

Ser. No. 193,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX FACTOR, doing business as Max Factor & Company, Los Angeles, Calif. Filed Mar. 1, 1924.

BRILLOX

Particular description of goods.—Brilliantine in Salve Form, Pomade to Impart Luster to the Hair, and Hair Tonic.

Claims use since Jan. 15, 1924.

Ser. No. 193,179. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed Mar. 3, 1924.

GLOSS MILL FINISH

Trade-mark consists of the novel and arbitrary combination of words "Gloss Mill Finish," no claim being made to the words except in the combination shown.

Particular description of goods.—Oil Paint.

Claims use since about Jan. 1, 1916.

Ser. No. 193,459. (CLASS 38. PRINTS AND PUBLICATIONS.) HARDWARE DEALERS MAGAZINE, INC., New York, N. Y. Filed Mar. 8, 1924.

Hardware Dealers' Magazine

Particular description of goods.—Monthly Magazine.

Claims use since July, 1896.

Ser. No. 194,051. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE H. C. COOK COMPANY, Ansonia, Conn. Filed Mar. 19, 1924.



Particular description of goods.—Hack Saw Blades and Frames.

Claims use since on or about Nov. 1, 1922.

Ser. No. 194,202. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. M. MOREHOUSE, doing business as La-Bay Mfg. Co., San Francisco, Calif. Filed Mar. 21, 1924.

LA-BAY'S MOUTHAL

Particular description of goods.—Solution Used as a Mouth Wash.

Claims use since Mar. 1, 1923.

Ser. No. 194,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) APPLEBY BROS., Fayetteville, Ark. Filed Mar. 22, 1924.

SAHARA

Particular description of goods.—Canned Vegetables.

Claims use since Sept. 8, 1923.

Ser. No. 194,341. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM F. DORAN, doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Filed Mar. 24, 1924.

Narod Twin'eaders

Particular description of goods.—Rim and Auxiliary Lamp for Electric Automobile Head Lamps.

Claims use since January, 1923.

Ser. No. 194,605. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN LANE, doing business as Magic Wypoff Manufacturing Company, Detroit, Mich. Filed Mar. 28, 1924.

MAGIC WYPOFF CLEANER

The words "Wypoff Cleaner" are disclaimed apart from the mark shown.

Particular description of goods.—Cleansers for Painted, Enameled, and Lacquered Surfaces.

Claims use since Oct. 1, 1923.

Ser. No. 194,725. (CLASS 39. CLOTHING.) MADELEINE VIONNET MODELS, INC., New York, N. Y. Filed Mar. 31, 1924.

Madeleine Vionnet

The trade-mark consists of a facsimile of the signature of Madeleine Vionnet.

Particular description of goods.—Gowns, Suits, Dresses, Coats, Cloaks, Evening Wraps, Skirts, and Waists.

Claims use since about Feb. 23, 1924.

Ser. No. 194,726. (CLASS 39. CLOTHING.) MADELEINE VIONNET MODELS, INC., New York, N. Y. Filed Mar. 31, 1924.



The trade-mark consists of the representation of a fingerprint.

Particular description of goods.—Gowns, Suits, Dresses, Coats, Cloaks, Evening Wraps, Skirts, and Waists.

Claims use since about Feb. 23, 1924.

Ser. No. 195,003. (CLASS 39. CLOTHING.) JOY WEAR, New York, N. Y. Filed Apr. 4, 1924.

JOY WEAR

The trade-mark consists of "Joy Wear."

Particular description of goods.—Negligees, Breakfast Coats, Kimonos, Bed Jackets, Nightgowns, Chemises, Slip-On Underwear, Boudoir Caps, Camisoles, Vests, Bloomers, Step-Ins, Petticoats, Pyjamas, Shirts, Drawers, Dressing Gowns, for Men, Women, and Children.

Claims use since Apr. 1, 1923.

Ser. No. 195,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUSTE ZIANI, doing business as Oriental Medicine Co., Windsor, Ontario, Canada. Filed Apr. 4, 1924.



ZIANI
GLOBE LIFE
Nerve Tonic and
Blood Purifier.

No claim made to the words "Europe," "Africa," "America," "Asia," "Oceanic," and "Nerve Tonic and Blood Purifier" apart from the mark as shown.

Particular description of goods.—Medicine, a Nerve Tonic and Blood Purifier, and for the Treatment of Nervous Diseases, Debility, Weakness, Dyspepsia, and Any Irregularities of the Digestive System.

Claims use since Dec. 10, 1923.

Ser. No. 195,192. (CLASS 7. CORDAGE.) SCHERMERHORN BROS. CO., Chicago, Ill. Filed Apr. 8, 1924.

GOLDEN HARVEST



Particular description of goods.—Twine, Rope, String, and Cordage Made of Vegetable Wire.

Claims use since Aug. 1, 1923.

Ser. No. 195,446. (CLASS 12. CONSTRUCTION MATERIALS.) WALTON JOHN HADFIELD, Sheffield, England. Filed Apr. 12, 1924.

HADSPHALT

Particular description of goods.—Manufactures from Mineral and Other Substances for Use in Road Making, Building, and Paving, Comprising a Composition of Clinker, Slag, Granite, or Other Suitable Materials as Aggregate and Bitumen or Like Material as Matrix.
Claims use since Nov. 23, 1923.

Ser. No. 195,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. V. LEBEDJEFF, INC., New York, N. Y. Filed Apr. 14, 1924.

LEBCO

Particular description of goods.—Salt-Cured Smoked Ham and Bacon, Canned Caviar, and Camembert Cheese.
Claims use since May 1, 1922.

Ser. No. 195,642. (CLASS 39. CLOTHING.) CLIVE E. HOCKMEYER, Lowell, Mass. Filed Apr. 16, 1924.

ZIP-ON

Particular description of goods.—Leggings: Men's, Women's, and Children's Knickerbockers; Children's Rompers, Children's Sleeping and Carriage Suits, Children's Hats, Children's Coats, Children's Suits, Children's Overalls, Children's Play Suits, Children's Bath Robes, Children's Blouses, Children's Bloomers.
Claims use since Mar. 27, 1924.

Ser. No. 195,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM O. GOODRICH COMPANY, Milwaukee, Wis. Filed Apr. 19, 1924.



No claim is made for the words employed in the specimens apart from the trade-mark as shown in the drawing.
Particular description of goods.—Linseed-Oil Meal and Linseed-Oil Cake.
Claims use since Feb. 3, 1921.

Ser. No. 196,163. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HEALTH SWING CO., INC., Seattle, Wash. Filed Apr. 26, 1924.

THE HEALTH SWING

The word "Swing" is hereby disclaimed apart from the other features of the mark.
Particular description of goods.—Swings.
Claims use since Mar. 15, 1924.

Ser. No. 196,171. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HERRIOTT POLISH COMPANY, St. Louis, Mo. Filed Apr. 26, 1924.

OILANSHINE

Particular description of goods.—Preparations for Cleaning, Shining, and Polishing Shoes, and All Leather Articles.
Claims use since Nov. 3, 1920.

Ser. No. 196,480. (CLASS 39. CLOTHING.) EDWARD J. SCHREMP, Rochester, N. Y. Filed May 2, 1924.

NUIDEA

Particular description of goods.—Knitted Underwear and Bathing Suits for Men, Women, and Children.
Claims use since Mar. 1, 1924.

Ser. No. 196,535. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MADISON WOOLEN CO., Madison, Me. Filed May 3, 1924.

VELTONA

The trade-mark consists of the word "Veltona."
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 10, 1924.

Ser. No. 196,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. E. CUTLER, New York, N. Y. Filed May 8, 1924.



The trade-mark consists of a tag which is lined in red to represent a shipping crate bound around its end margins with metal bands, a portion of the tag being lined in red to represent the grain of the wood, so that the whole tag represents in miniature a perspective view of an egg case or crate.
Particular description of goods.—Eggs.
Claims use since since May 1, 1924.

Ser. No. 196,790. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL COMPANY, Detroit, Mich. Filed May 9, 1924.

Continental

Particular description of goods.—Screen Doors and Window Screens, Combination Screen and Storm Doors, Knockdown Window-Screen Frames.
Claims use since 1905.

Ser. No. 196,851. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONRAD RICHARD BÖHM, Berlin-Wilmersdorf, Germany. Filed May 10, 1924.

Diadin

Particular description of goods.—Medicaments for External Use to Heal and Prevent Diseases of the Skin and the Tissues.
Claims use since June 23, 1919.

Ser. No. 196,869. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MARKETING CO., Minneapolis, Minn. Filed May 10, 1924.

Puretest

Particular description of goods.—Light and Heavy Fuel Oils, Including Gasoline and Lubricating Oils.
Claims use since on or about Dec. 1, 1922.

Ser. No. 196,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SHERMAN & SONS COMPANY, New York, N. Y. Filed May 12, 1924.

CORONADA

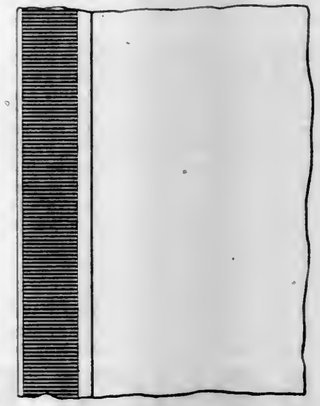
Particular description of goods.—Cotton Voile and Cotton Flock Voile in Pieces.
Claims use since Jan. 25, 1924.

Ser. No. 197,023. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL OPTICAL COMPANY, INC., Mount Vernon, N. Y. Filed May 14, 1924.

GENOTHALMIC

Particular description of goods.—Chairs and Cabinets Used in the Practice of Ophthalmology.
Claims use since Jan. 1, 1923.

Ser. No. 197,249. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BISTER, New York, N. Y. Filed May 19, 1924.



Comprises a thick warp thread of the same color as the body of the fabric woven into or near the selvage of the goods. No claim is made to the representation of the cloth.
Particular description of goods.—Cotton Piece Goods—viz, Umbrella Cloth.
Claims use since January, 1907.

Ser. No. 197,485. (CLASS 12. CONSTRUCTION MATERIALS.) JEWETTVILLE CLAY PRODUCTS COMPANY, INC., Jewettville, N. Y. Filed May 23, 1924.

JEWETTVILLE

Particular description of goods.—Brick.
Claims use since about Jan. 1, 1901.

Ser. No. 197,504. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STANDARD PYROXOLOID CORPORATION, Leominster, Mass. Filed May 23, 1924.

PYROXOLOID

Particular description of goods.—Sheets, Rods, and Tubes of Celluloid.
Claims use since Apr. 10, 1920.

Ser. No. 197,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DYESTUFFS CORPORATION OF AMERICA, Boston, Mass. Filed May 26, 1924.

DCA

Particular description of goods.—Dyestuffs, Dyewoods, and Dyewood Extracts, Tanning Extracts, Disinfectants, Dyestuff Intermediates, Mordants, Developers—I. e. Organic Naphthol and Amines Used in the Development of

Azo Colors After Diazotization; Rubber Accelerators—i. e., Organic or Inorganic Chemicals Used in the Process of Rubber Vulcanization to Assist or Accelerate Vulcanizing Action; Dyeing Assistants—i. e., Materials Used as an Addition to the Dyebath to Produce Penetration, Level Dyeing, or Faster Shades; Soluble Oils—i. e., Sulphonated Oil or Oils Otherwise Treated so as to Render Them Soluble in Water; Emulsifying Oils and Greases—i. e., Compounds and Blends of Various Oils and Greases, Animal, Vegetable, and Mineral, so Treated that They Form an Emulsion with Water Used in the Fulling and Spinning of Woolen and Worsteds, in the Preparation of Finishes, and for Softening and Brightening Dyed Goods; Spinning Oils—i. e., Oils which are used in the Spinning of Woolen and Worsted Yarns; Fulling Oils—i. e., Oils Which are Used in the Process of fulling or Milling Woolen or Worsted Goods.

Claims use since Apr. 2, 1924.

Ser. No. 197,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN FARNETT, Syracuse, N. Y. Filed May 26, 1924.

FARNOLE

Particular description of goods.—Ointment Used in the Treatment of Piles, Burns, Boils, Swellings, Itching of the Skin, Blood Poisoning, Chapped Hands, Eczema, and Other Skin Irritations.

Claims use since May 1, 1923.

Ser. No. 197,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN C. CROWE, doing business as Clear Rock Mineral Company, Indianapolis, Ind. Filed May 27, 1924.

RAB

Particular description of goods.—Mineral Salts for Foot and Body Baths.

Claims use since Dec. 15, 1923.

Ser. No. 197,700. (CLASS 15. OILS AND GREASES.) BRADFORD OIL REFINING CO., Bradford, Pa. Filed May 28, 1924.

ALL-PEN

Particular description of goods.—Motor Oils.

Claims use since Feb. 5, 1923.

Ser. No. 197,709. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

O.D.S.

Particular description of goods.—Liquid Cleaning Fluid.

Claims use since April, 1900.

Ser. No. 197,878. (CLASS 12. CONSTRUCTION MATERIALS.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed May 31, 1924.

LINO-CUSHION

Particular description of goods.—Carpet Felt.

Claims use since October, 1923.

Ser. No. 197,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INA DEL MARVIN, Detroit, Mich. Filed May 31, 1924.

Ina Del Marvin



Particular description of goods.—Cosmetics—Namely, Toilet Preparations Including Creams, Lotions, Oils, and Tonics, for the Skin; Face Powders and Rouges, Oils: Enamels, Polishes, and Powders for the Hands and Nails: Creams and Other Preparations for the Eyelashes and Hair.

Claims use since Feb. 1, 1924.

Ser. No. 197,935. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFFMANN-HAYMAN COFFEE CO., San Antonio, Tex. Filed June 2, 1924.

"I will praise It, too"

Particular description of goods.—Tea.

Claims use since May, 1920.

Ser. No. 197,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENT BAKING COMPANY, Davenport, Iowa. Filed June 2, 1924.

ICELAND

Particular description of goods.—Sugar-Wafer Bar.

Claims use since Feb. 10, 1922.

Ser. No. 197,970. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TUCKER & SIMMONS, Ocala, Fla. Filed June 2, 1924.

SILVER SPRINGS

Particular description of goods.—Fresh Tomatoes.

Claims use since Mar. 1, 1923.

Ser. No. 197,988. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANTONIO BIGGI, Long Island City, N. Y. Filed June 3, 1924.

A B

Particular description of goods.—Marble in the Rough.

Claims use since January, 1908.

Ser. No. 198,026. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NORTHWESTERN MOTOR COMPANY, Eau Claire, Wis. Filed June 3, 1924.

Casey Jones

Particular description of goods.—Railway Motor Cars.

Claims use since June 1, 1913.

Ser. No. 198,080. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MIDLAND TAR DISTILLERS LIMITED, Birmingham, England. Filed June 4, 1924.

SUPARAC

Particular description of goods.—Accelerators of Vulcanization of Rubber, Gutta Percha, and Balata Goods.

Claims use since Feb. 22, 1921.

Ser. No. 198,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD RICE COMPANY, INC., Houston, Tex. Filed June 4, 1924.

SOUTHERN BEAUTY



Particular description of goods.—Rice.

Claims use since about Dec. 18, 1923.

Ser. No. 198,106. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MARK ANTON MFG. CO., Belleville, N. J. Filed June 5, 1924.

CANTILEVER CARRIER

Without waiving any of its common-law rights applicant disclaims hereby any exclusive property rights in either of the words "Cantilever" or "Carrier" aside from the fanciful arrangement of the mark as a whole. While the large letters "C" and "R" of the mark are lined to indicate the color red, no claim is made specifically to any particular color.

Particular description of goods.—Luggage Carriers for Automobiles.

Claims use since Apr. 15, 1924.

Ser. No. 198,130. (CLASS 2. RECEPTACLES.) FOREIGN MANUFACTURERS SALES CORPORATION, New York, N. Y. Filed June 5, 1924.

TIRE-PAS

Particular description of goods.—Toy Boxes for Cigarettes and Matches.

Claims use since on or about Jan. 24, 1924.

Ser. No. 198,171. (CLASS 39. CLOTHING.) BEST-MADE SILK HOSIERY CO., Shelly, Pa. Filed June 6, 1924.

BEST MADE
FAMOUS
FF
FOR FINE
QUALITY

Applicant disclaims the words "Best Made" and "Famous for Fine Quality" apart from the mark shown in the drawing.

Particular description of goods.—Silk Hosiery.

Claims use since Feb. 20, 1924.

Ser. No. 198,188. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J. Filed June 6, 1924.

SPEEDWAY

Trade-mark consists of the word "Speedway."

Particular description of goods.—Safety-Razor Blades.

Claims use since May 20, 1924.

Ser. No. 198,240. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ULYSSES S. KNOCHEL, Baltimore, Md. Filed June 7, 1924.

TRADE MARK
MADE IN BALTIMORE

The words "Trade-Mark" and "Made in Baltimore" are hereby disclaimed apart from the mark shown.

Particular description of goods.—Variable Air Condensers for Radio and Wireless Telegraphy Apparatus.

Claims use since about Oct. 14, 1915.

Ser. No. 198,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILLIPS GENUINE SAUSAGE CO., Washington, D. C. Filed June 7, 1924.

KENNING'S
RADIO
BRAND

The word "Brand" is hereby disclaimed as a feature of the mark.

Particular description of goods.—Hams, Bacon, Sausage, and Lard.

Claims use since June 4, 1924.

Ser. No. 198,280. (CLASS 38. PRINTS AND PUBLICATIONS.) ARMSTRONG-KILBOURNE, INC., Minneapolis, Minn. Filed June 9, 1924.

The
CLOSE-UP

Particular description of goods.—Title of a Monthly Publication.

Claims use since Apr. 1, 1924.

Ser. No. 198,281. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHARLES BECHTOLD, Brooklyn, N. Y. Filed June 9, 1924.

PORSEAL

Particular description of goods.—Dental Caps, Crowns, and Bridges.

Claims use since May 20, 1924.

Ser. No. 198,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed June 9, 1924.

TORPEDOS

Particular description of goods.—Chocolate.

Claims use since Apr. 20, 1924.

Ser. No. 198,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed June 9, 1924.

STACKS

Particular description of goods.—Chocolate.

Claims use since May 16, 1924.

Ser. No. 198,407. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE HAYES-MESEROLE MFG. CO. INC., Milford, Conn. Filed June 11, 1924.



Particular description of goods.—Hair Curlers.

Claims use since Feb. 15, 1924.

Ser. No. 198,436. (CLASS 39. CLOTHING.) MAE L. WALSH, Hartford, Conn. Filed June 11, 1924.

Très Belle

Particular description of goods.—Knitted or Textile Underwear.

Claims use since June 1, 1924.

Ser. No. 198,525. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ISLAND CREEK COAL COMPANY, Portland, Me., and Huntington, W. Va. Filed June 13, 1924.

"PIONEER"
TRADE MARK
ISLAND CREEK COAL

No claim is made to the exclusive use of the words "Trade-Mark" and "Island Creek Coal" apart from the mark as shown in the drawing.

Particular description of goods.—Coal.

Claims use since Mar. 18, 1924.

Ser. No. 198,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL TRADING COMPANY, Chicago, Ill. Filed June 13, 1924.

El Donna

Particular description of goods.—Hair Nets.

Claims use since Nov. 10, 1922.

Ser. No. 198,568. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND CENTRAL WICKER SHOP, INC., New York, N. Y. Filed June 14, 1924.

EVERCHARM

Particular description of goods.—Wicker Furniture Comprising Parlor Suites, Porch Suites, Deck Suites, Camp and Outdoor Suites, Chairs, Tables, Lounges, Settees, Taborets, Footstools, Day Beds, Steamer Chairs, Desks, Bookcases, Dressers, Chiffoniers, Buffets, Tea Carts, Flower Stands, Phone Stands, Smoking Stands, Hatracks, and Radiocabinets.

Claims use since May 1, 1924.

Ser. No. 198,580. (CLASS 15. OILS AND GREASES.) MEXICAN PETROLEUM CORPORATION OF LOUISIANA, INC., New Orleans, La. Filed June 14, 1924.

PAN-AM

The word "Pan-Am" is in black lettering on a white or grayish background.

Particular description of goods.—Gasoline, Lubricating Oils and Greases.

Claims use since May 15, 1924.

Ser. No. 198,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. FIELDS, New York, N. Y. Filed June 16, 1924.

ALLEZ

HOP

Particular description of goods.—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

Claims use since about January, 1924.

Ser. No. 198,646. (CLASS 39. CLOTHING.) S. S. KRESGE COMPANY, Detroit, Mich. Filed June 16, 1924.

K-B

Particular description of goods.—Corsets.
Claims use since Jan. 1, 1924.

Ser. No. 198,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. W. MILLER & L. P. MILLER, Paw Paw, W. Va. Filed June 16, 1924.

Mountaineer BRAND

The word "Brand" and the representation of the apples do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Sept. 19, 1923.

Ser. No. 198,679. (CLASS 12. CONSTRUCTION MATERIALS.) REINFORCED CONCRETE COMPANY, St. Louis, Mo. Filed June 16, 1924.

RECO

Particular description of goods.—Socket Inserts, Continuous Stirrups, and Continuous Centering for Reenforced Concrete.
Claims use since Sept. 15, 1911.

Ser. No. 198,681. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. ROBINSON COMPANY, INC., Lynchburg, Va. Filed June 16, 1924.

ROBINSON CRUSOE

Particular description of goods.—Roasted Peanuts in Package and Bulk and Salted Peanuts in Package and Bulk.
Claims use since 1902.

Ser. No. 198,725. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SUNSET CARPET CLEANING & STORAGE CORPORATION, New York, N. Y. Filed June 17, 1924.

VANORIENT

Particular description of goods.—Cleaning Powder for Cleaning Carpets and Rugs.
Claims use since about December, 1923.

Ser. No. 198,834. (CLASS 39. CLOTHING.) BELFIT BRASSIERE CO., INC., Brooklyn, N. Y. Filed June 20, 1924.

Beltrim

Particular description of goods.—Brassières.
Claims use since about July 16, 1920.

Ser. No. 198,841. (CLASS 39. CLOTHING.) GEORGE B. BURNETT & SON, New York, N. Y. Filed June 20, 1924.

Leopard

Particular description of goods.—Men's and Boys' Hats.
Claims use since June 1, 1924.

Ser. No. 198,853. (CLASS 39. CLOTHING.) FRANCES NEGLIGEE COMPANY, New York, N. Y. Filed June 20, 1924.

"Miss Frances Maid"

Particular description of goods.—Kimonos and Negligees.
Claims use since Apr. 1, 1924.

Ser. No. 198,854. (CLASS 39. CLOTHING.) FRANCES NEGLIGEE COMPANY, New York, N. Y. Filed June 20, 1924.

"Miss Frances"

Particular description of goods.—Kimonos and Negligees.
Claims use since Apr. 1, 1924.

Ser. No. 198,886. (CLASS 39. CLOTHING.) LOUIS C. ROSENBLATT, New York, N. Y. Filed June 20, 1924.

Elsie

Particular description of goods.—Ladies' Frocks.
Claims use since May 1, 1924.

Ser. No. 198,941. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOSEPH J. FUCHS, doing business as Tourists Pride Manufacturing Co., Minneapolis, Minn. Filed June 21, 1924.

Tourists Pride

Particular description of goods.—Fan Belts, Automobile Tires, Inner Tubes, Blow-Out Patches, Lace-On Boots, Blow-Out Boots, Belting, Hose, All Made Wholly or in Part of Rubber, Leather, Fabric, or Textile Material; Machinery Packing of Oakum, Fabric, Lead, Lead Wool, Asbestos, or the Like Compositions; Rubber Repair Outfits Comprising Rubber-Surface Buffers, Rubber Sheeting, Rubber Mending Dough, and Rubber Cement.
Claims use since Apr. 1, 1920.

Ser. No. 198,944. (CLASS 39. CLOTHING.) JAMES P. GREY & CO., Hendersonville, N. C. Filed June 21, 1924.

DOLLY GREY

Trade-mark consists of the words "Dolly Grey."
Particular description of goods.—Hosiery.
Claims use since May 26, 1924.

Ser. No. 198,958. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed June 21, 1924.

TIP TOE

Particular description of goods.—Hosiery.
Claims use since November, 1923.

Ser. No. 198,976. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed June 21, 1924.

TRENCH BACK

Particular description of goods.—Combined Hand and Nail Toilet Brushes.
Claims use since June, 1921.

Ser. No. 198,982. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BURTON, PRICE & COMPANY, INC., New York, N. Y. Filed June 23, 1924.



Particular description of goods.—Silk Piece Goods, Silk Ribbons, and Velvet Piece Goods.
Claims use since 1875.

Ser. No. 198,983. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BURTON, PRICE & COMPANY, INC., New York, N. Y. Filed June 23, 1924.

BRIDGE

Particular description of goods.—Silk Piece Goods, Silk Ribbons, and Velvet Piece Goods.
Claims use since 1907.

Ser. No. 199,004. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y. Filed June 23, 1924.

DRIL

MURALLA

No claim is made to the exclusive use of the word "Dril" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 5, 1924.

Ser. No. 199,005. (CLASS 39. CLOTHING.) INTERNATIONAL CORSET COMPANY, Aurora, Ill. Filed June 23, 1924.

The International "NAMELESS"

Particular description of goods.—Corsets.
Claims use since June 1, 1924.

Ser. No. 199,036. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOC. (U. S. A.), Bradford, R. I. Filed June 24, 1924.

Solrex

The trade-mark consists of the word "Solrex."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since Apr. 25, 1924.

Ser. No. 199,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Mrs. FRED H. CRIST, doing business as Chi-Gee Drug Products, Fort Worth, Tex. Filed June 24, 1924.

Chi-Gee

Particular description of goods.—Medicine Used as a Stomach and Bowel Antiseptic to be Taken Internally and Recommended for Use in the Treatment of Indigestion, Excess Gas, Bloating, Dyspepsia, and as a Body Invigorator, Etc.
Claims use since May 15, 1924.

Ser. No. 199,045. (CLASS 39. CLOTHING.) W. B. DAVIS & SON, INC., Fort Payne, Ala. Filed June 24, 1924.

The Ritz

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since May 22, 1924.

Ser. No. 199,074. (CLASS 39. CLOTHING.) MCLELLAN STORES COMPANY, New York, N. Y. Filed June 24, 1924.

Dainty Maid

Particular description of goods.—Hosiery.
Claims use since May 21, 1924.

Ser. No. 199,075. (CLASS 39. CLOTHING.) MCLELLAN STORES COMPANY, New York, N. Y. Filed June 24, 1924.

STRENGTHTEX

Particular description of goods.—Hosiery.
Claims use since May 21, 1924.

Ser. No. 199,116. (CLASS 39. CLOTHING.) IPSWICH MILLS, Boston, Mass. Filed June 25, 1924.

DUO PACK

Particular description of goods.—Hosiery.
Claims use since June 2, 1924.

Ser. No. 199,149. (CLASS 39. CLOTHING.) CHESTERFIELD SHIRT COMPANY, Louisville, Ky. Filed June 26, 1924.

GOLD STONE

Particular description of goods.—Men's and Boys' Dress Shirts and Men's Athletic Underwear.
Claims use since June 18, 1924.

Ser. No. 199,171. (CLASS 39. CLOTHING.) EDWARD L. LASSAR, doing business as Pretty Baby Hosiery Co., Cleveland, Ohio. Filed June 26, 1924.

Pretty Baby

Particular description of goods.—Hosiery, Underwear, Infants' and Children's Dresses, Blankets, and Infants' Knit Wear.
Claims use since about Apr. 15, 1924, on underwear, infants' and children's dresses, and infants' underwear, and since Mar. 8, 1924, on hosiery.

Ser. No. 199,194. (CLASS 39. CLOTHING.) STROUSE, ADLER & CO., New Haven, Conn. Filed June 26, 1924.

BODICETTE

Particular description of goods.—Corsets and Brassière Corsets.
Claims use since June 24, 1924.

Ser. No. 199,206. (CLASS 39. CLOTHING.) BARBOUR WELTING COMPANY, Montello Station, Brockton, Mass. Filed June 27, 1924.

DRESSWELT

Trade-mark "Dresswelt."
Particular description of goods.—Welting for Boots and Shoes.
Claims use since June 13, 1924.

Ser. No. 199,218. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed June 27, 1924.

ESKIMO

Particular description of goods.—Collars for Sweaters.
Claims use since Mar. 1, 1924.

Ser. No. 199,230. (CLASS 39. CLOTHING.) ROSA KINSBERGEN, doing business as Mme. Reiss, New York, N. Y. Filed June 27, 1924.

Love Bird

Trade-mark consists of the words "Love Bird."
Particular description of goods.—Millinery — viz, Ladies' Hats.
Claims use since Jan. 18, 1924.

Ser. No. 199,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER W. PAYNE, Huntington, W. Va. Filed June 27, 1924.

RADIO

The drawing is lined to indicate red.
Particular description of goods.—Animal Feed—Namely, Horse Feed, Scratch Feed, Steel-Cut Corn, Growing Mash, Egg Mash, Mill Feed, Dairy Feed, Starting Mash, and Chick Feed.
Claims use since Nov. 1, 1923.

Ser. No. 199,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Solvex

The trade-mark consists of the word "Solvex."
Particular description of goods.—Ointments and Other Pharmaceutical Preparations for the Treatment of Corns.
Claims use since January, 1924.

Ser. No. 199,250. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Walk-Strate

Trade-mark consists of the word "Walk-Strate."
Particular description of goods.—Heel Supports and Heel Pads.
Claims use since Jan. 1, 1917.

Ser. No. 199,274. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDWARD R. BERTRAM, doing business as Lumo-Glo Mfg. Co., Pueblo, Colo. Filed June 28, 1924.

Lumo-Glo

Particular description of goods.—Polish for Aluminum.
Claims use since June 16, 1924.

Ser. No. 199,280. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR H. FELIX, New York, N. Y. Filed June 28, 1924.

The Radio Sky Pilot

Particular description of goods.—Section of a Periodical Publication Usually Published Bimonthly.
Claims use since about May 10, 1924.

Ser. No. 199,281. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. FLUEGELMAN & CO. INC., New York, N. Y. Filed June 28, 1924.

Silver Linings

Particular description of goods.—Cotton and Silk and Cotton Mixture Piece Goods.
Claims use since June 20, 1924.

Ser. No. 199,291. (CLASS 39. CLOTHING.) NATIONAL ASSOCIATION OF LEATHER GLOVE AND MITTEN MANUFACTURERS, Utica, N. Y. Filed June 28, 1924.

PROTECTOL

Particular description of goods.—Leather Gloves.
Claims use since about June 5, 1924.

Ser. No. 199,292. (CLASS 39. CLOTHING.) NATIONAL ASSOCIATION OF LEATHER GLOVE AND MITTEN MANUFACTURERS, Utica, N. Y. Filed June 28, 1924.

MANLEE

Particular description of goods.—Leather Gloves.
Claims use since May 5, 1924.

Ser. No. 199,293. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

ROCKFORD

The trade-mark consists of the name "Rockford."
Particular description of goods.—Hosiery.
Claims use since 1880.

Ser. No. 199,296. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

31

The trade-mark consists of the number "31."
Particular description of goods.—Hosiery.
Claims use since July, 1908.

Ser. No. 199,297. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

41

The trade-mark consists of the number "41."
Particular description of goods.—Hosiery.
Claims use since July, 1908.

Ser. No. 199,298. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

51

The trade-mark consists of the number "51."
Particular description of goods.—Hosiery.
Claims use since August, 1909.

Ser. No. 199,299. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

61

The trade-mark consists of the number "61."
Particular description of goods.—Hosiery.
Claims use since June, 1911.

Ser. No. 199,300. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

71

The trade-mark consists of the number "71."
Particular description of goods.—Hosiery.
Claims use since November, 1896.

Ser. No. 199,301. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

81

The trade-mark consists of the number "81."
Particular description of goods.—Hosiery.
Claims use since November 1896.

Ser. No. 199,302. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.
Under ten-year proviso.

91

The trade-mark consists of the number "91."
Particular description of goods.—Hosiery.
Claims use since October, 1894.

Ser. No. 199,303. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.
Under ten-year proviso.

101

The trade-mark consists of the number "101."
Particular description of goods.—Hosiery.
Claims use since September, 1888.

Ser. No. 199,304. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.
Under ten-year proviso.

201

The trade-mark consists of the number "201."
Particular description of goods.—Hosiery.
Claims use since October, 1894.

Ser. No. 199,305. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.

251

The trade-mark consists of the number "251."
Particular description of goods.—Hosiery.
Claims use since September, 1898.

Ser. No. 199,306. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924.
Under ten-year proviso.

301

The trade-mark consists of the number "301."
Particular description of goods.—Hosiery.
Claims use since September, 1888.

Ser. No. 199,308. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

501

The trade-mark consists of the number "501."
Particular description of goods.—Hosiery.
Claims use since December, 1888.

Ser. No. 199,309. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

551

The trade-mark consists of the number "551."
Particular description of goods.—Hosiery.
Claims use since 1892.

Ser. No. 199,310. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

601

The trade-mark consists of the number "601."
Particular description of goods.—Hosiery.
Claims use since 1889.

Ser. No. 199,311. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28,1924.

661

The trade-mark consists of the number "661."
Particular description of goods.—Hosiery.
Claims use since April, 1902.

Ser. No. 199,312. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

701

The trade-mark consists of the number "701."
Particular description of goods.—Hosiery.
Claims use since 1889.

Ser. No. 199,313. (CLASS 39. CLOTHING.) NELSON KNITTING COMPANY, Rockford, Ill. Filed June 28, 1924. Under ten-year proviso.

901

The trade-mark consists of the number "901."
Particular description of goods.—Hosiery.
Claims use since November, 1894.

Ser. No. 199,333. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM A. VOIGT, Toledo, Ohio. Filed June 28, 1924.

Keystone

Particular description of goods.—Dental Cement.
Claims use since Jan. 18, 1918.

Ser. No. 199,368. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed June 30, 1924.

Premier

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Mar. 3, 1924.

Ser. No. 199,369. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed June 30, 1924.

CENTURY

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Mar. 3, 1922.

Ser. No. 199,372. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed June 30, 1924.

ESTABLISHED 1823

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Mar. 1, 1905.

Ser. No. 199,376. (CLASS 39. CLOTHING.) THE MALLORY HAT COMPANY, Danbury, Conn. Filed June 30, 1924.

REFLEX

Particular description of goods.—Hats for Men, Women, and Children.
Claims use since June 1, 1923.

Ser. No. 199,404. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MIKE N. TERPINAS, doing business as Terpinas Chemical Company, Frankfort, Ind. Filed June 30, 1924.

Mike's

Particular description of goods.—Cleaner Namely, Soap, Metal Polish, and Straw and Panama Cleaner.
Claims use since Nov. 1, 1923.

Ser. No. 199,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNDERWOOD-TALMAGE CO., Dayton, Ohio. Filed June 30, 1924.

TEDDY
(INNAMON

No claim is made to the word "Cinnamon" apart from the mark as shown on the drawing.
Particular description of goods.—Chewing Gum.
Claims use since 1915.

Ser. No. 199,421. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GENERAL COAL COMPANY, Wilmington, Del., and Philadelphia, Pa. Filed July 1, 1924.

GENERAL
COAL

No claim is made to the word "Coal" apart from the mark as shown on the drawing.
Particular description of goods.—Coal and Coke.
Claims use since Mar. 1, 1924.

Ser. No. 199,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDDIE MILL & ELEVATOR CO., Oklahoma City, Okla. Filed July 2, 1924.

Superior
Feed

No claim is made to the exclusive use of the words "Superior" and "Feed" aside from the mark shown on the drawing.

Particular description of goods.—Poultry Feed.

Claims use since Aug. 13, 1920.

Ser. No. 199,466. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE EMBOSSING COMPANY, Albany, N. Y. Filed July 2, 1924.



The Chinese characters appearing in the trade mark, reading from top to bottom, mean "Embossing Made."

Particular description of goods.—Game of Chinese Dominoes, Score Cards therefor, and Rules and Instructions for Playing the Game.

Claims use since June 10, 1924.

Ser. No. 199,477. (CLASS 15. OILS AND GREASES.) INDEPENDENT REFINING COMPANY, Oil City, Pa. Filed July 2, 1924.

CERTIFIED
100%
PURE PENNSYLVANIA
Penn Seal
GASOLINE

All wording on the drawing except the words "Penn Seal" is disclaimed apart from the mark shown.

Particular description of goods.—Motor Oils, Kerosene, Gasoline, and Illuminating Oils.

Claims use since Feb. 12, 1924.

Ser. No. 199,493. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE PETERS CARTRIDGE COMPANY, Cincinnati, Ohio. Filed July 2, 1924. Under ten-year proviso.



No claim is made to the expression "No. 12" shown in the drawing.

Particular description of goods.—Shotgun Shells and Wads.

Claims use since March, 1894.

Ser. No. 199,522. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass. Filed July 3, 1924.

BOSTON EXCELSIOR CO
BEXCO
PRODUCTS
ESTABLISHED 1869

No rights are asserted to the exclusive use of the word "Products" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Animal and Vegetable Fibers; Their By-Products—Namely, Batts, Burlap, Cotton, Excelsior, Felt, Fiber, Hair, Husks, Jute Rolls, Kapok, Linters, Moss, Packing Pads, Rattan, Sea Grass, Shoddies, Tow, Tufts, and Wood Wool.

Claims use since June 19, 1924.

Ser. No. 199,542. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE DRY-CLE-SO SOAP CO., Canton, Ohio. Filed July 3, 1924.

DRY-CLE-SO

Particular description of goods.—Dry Cleaner's Soap.

Claims use since May 5, 1924.

Ser. No. 199,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. CLAY GLOVER CO., INC., New York, N. Y. Filed July 3, 1924. Under section 5B, act of 1905, as amended 1920.

GLOVER'S

Particular description of goods.—The Following Animal Medicines: Distemper Medicine, Vermifuge, Worm Capsules, Tapeworm Capsules, Condition Pills, Canker Wash, Eye Lotion, Blood Purifier, Diarrhea Medicine, Fit Medicine, Tonic, Cough Mixture, Sore-Foot Medicine, Black-Tongue Medicine, Compound Sulphur Tablets, Digestive Pills, Liniment, and Liver Pills.

Claims use since 1887.

Ser. No. 199,556. (CLASS 38. PRINTS AND PUBLICATIONS.) KABLE-SPALDING COMPANY, Mount Morris and Chicago, Ill. Filed July 3, 1924.

What to Sell

Trade-mark "What to Sell."

Particular description of goods.—Monthly Magazine.

Claims use since Apr. 25, 1924.

Ser. No. 199,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANARD TILTON MILLING CO., St. Louis, Mo. Filed July 3, 1924.

ROYAL

Particular description of goods.—Fine and Coarse Ground Corn Products—Namely, Corn Meal.

Claims use since about Apr. 8, 1918.

Ser. No. 199,578. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANARD TILTON MILLING CO., St. Louis, Mo. Filed July 3, 1924.

AMERICAN BEAUTY



Particular description of goods.—Fine and Coarse Ground Corn Products—Namely, Corn Meal, Corn Chops, Cornecb Meal, and Grits.

Claims use since Dec. 1, 1914.

Ser. No. 199,593. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILSON LABORATORIES, Chicago, Ill. Filed July 3, 1924.



SPLEENMARROW

The word "Spleenmarrow" is disclaimed except as used in connection with the other features of the mark as shown, applicant not hereby intending to waive any common-law rights it has to the reference to the trade-mark "Spleenmarrow."

Particular description of goods.—Preparation to be Used in the Treatment of Secondary Anæmia.

Claims use since Nov. 21, 1923.

Ser. No. 199,594. (CLASS 32. FURNITURE AND UPHOLSTERY.) ALL-FELT MATTRESS CO., Indianapolis, Ind. Filed July 5, 1924.



Particular description of goods.—Mattresses.

Claims use since June 10, 1924.

Ser. No. 199,595. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924.

"GB"

Particular description of goods.—Paper Pencils.

Claims use since 1912.

Ser. No. 199,596. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924.

"VELVATEX"

Particular description of goods.—Dustless Chalk.

Claims use since June 3, 1924.

Ser. No. 199,597. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed July 5, 1924.

"PURITAN"

Particular description of goods.—Dustless Chalk.

Claims use since June 3, 1924.

Ser. No. 199,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DAIRY LABORATORIES, Philadelphia, Pa. Filed July 5, 1924.

FLAV-O-LAC

Particular description of goods.—Cultures for Making Starter in the Manufacture of Buttermilk, Butter, Sour Cream, and Cheese.

Claims use since May 1, 1924.

Ser. No. 199,641. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOUIS MEIER, Detroit, Mich. Filed July 5, 1924.



Particular description of goods.—Gears.

Claims use since 1914.

Ser. No. 199,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUNKEL BROTHERS, INC., New York, N. Y. Filed July 5, 1924.

RUNKOMALT

Trade-mark consists of the word "Runkomalt."

Particular description of goods.—Chocolate-Flavored Malted Food Preparation.

Claims use since about June 23, 1924.

Ser. No. 199,650. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SIMSON & FREY, INC., New York, N. Y. Filed July 5, 1924.

SAMSON

Particular description of goods.—Music Stands.

Claims use since June 25, 1924.

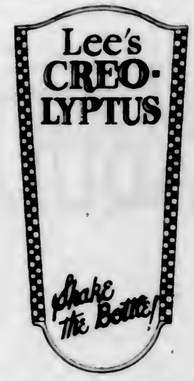
Ser. No. 199,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLATZ PRODUCTS COMPANY, Milwaukee, Wis. Filed July 7, 1924.

Hof-Brau

Particular description of goods—Malt Extract for Food Purposes.

Claims use since June 19, 1923.

Ser. No. 199,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LELAND BLANCHE COFFEY, doing business as Creo-Lyptus Co., Kansas City, Mo. Filed July 7, 1924.



No claim is made to the words "Shake the Bottle" apart from the mark shown in the drawing.

Particular description of goods.—Medicinal Preparation for the Treatment of Chronic and Persistent Coughs, Colds, and Bronchial Asthma.

Claims use since January, 1924.

Ser. No. 199,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. R. GODFREY & SONS CO., Milwaukee, Wis. Filed July 7, 1924.

SILVER BUCKLE

Particular description of goods.—Canned Fruits, Canned Berries, Canned Vegetables, Canned Salmon, Canned Shrimp, Canned Apple Sauce, Evaporated Milk, Coffee, and Powdered Sugar.

Claims use since 1912.

Ser. No. 199,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HUTTNER-NELSON & CO., Chicago, Ill. Filed July 7, 1924.

HUT-NEL

Particular description of goods.—Hand Soap.

Claims use since June 16, 1924.

Ser. No. 199,706. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING & IMPORTING COMPANY, Grand Haven, Mich. Filed July 7, 1924.

DAWN

Particular description of goods.—Hair Nets.

Claims use since Jan. 1, 1921.

Ser. No. 199,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. PRINCE & CO., Fruitvale, Oakland, Calif. Filed July 7, 1924.



Particular description of goods.—Canned Fruits, Canned Berries, Canned Vegetables, and Tomato Catchup.

Claims use since September, 1915.

Ser. No. 199,735. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AERIAL CUTLERY MANUFACTURING CO., Marinette, Wis. Filed July 8, 1924.



No claim is made to the words "Real Sharp" apart from the mark as shown in the drawing.

Particular description of goods.—Pocketknives; Hunting, Kitchen, and Butcher Knives; Razors, Hair Clippers, Shears, and Scissors, Carving Sets, and Butcher Saws.

Claims use since January, 1924.

Ser. No. 199,757. (CLASS 15. (OILS AND GREASES.) NATIONAL ELECTRIC MANUFACTURING CO., Pittsburgh, Pa. Filed July 8, 1924.

SYNTRON LUBRICANT

No claim is made to the exclusive use of the word "Lubricant."

Particular description of goods.—Lubricants.

Claims use since about Feb. 1, 1924.

Ser. No. 199,764. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROYAL VENTILATOR COMPANY, Philadelphia, Pa. Filed July 8, 1924.

ROYAL

Particular description of goods.—Ventilators.

Claims use since September, 1910.

Ser. No. 199,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CYANAMID COMPANY, New York, N. Y. Filed July 9, 1924.

GAS FLAKES

Particular description of goods.—Animal, Insect, and Vermin Exterminator.

Claims use since Mar. 1, 1922.

Ser. No. 199,777. (CLASS 37. PAPER AND STATIONERY.) THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed July 9, 1924.

JONQUIL

Particular description of goods.—Writing Pens of All Kinds.

Claims use since June 1, 1924.

Ser. No. 199,791. (CLASS 15. OILS AND GREASES.) KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed July 9, 1924.

604

Particular description of goods.—Lubricants Comprising Oils and Greases.

Claims use since Apr. 11, 1924.

Ser. No. 199,801. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. L. PRESCOTT COMPANY, New York, N. Y. Filed July 9, 1924.

WHITE-SATIN

Particular description of goods.—Shoe Dressing.

Claims use since 1920.

Ser. No. 199,811. (CLASS 12. CONSTRUCTION MATERIALS.) GEORGE WASHINGTON STONE CORPORATION, Alexandria, Va. Filed July 9, 1924.

AQUIA

Particular description of goods.—Building Stone.

Claims use since May, 1922.

Ser. No. 199,812. (CLASS 12. CONSTRUCTION MATERIALS.) GEORGE WASHINGTON STONE CORPORATION, Alexandria, Va. Filed July 9, 1924.

AQUIA
Quarries opened 1685
Colonial Sandstone

No claim is made to the words "Quarries Opened 1685" and "Sandstone" apart from the trade-mark as shown.

Particular description of goods.—Building Stone.

Claims use since May, 1922.

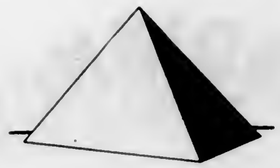
Ser. No. 199,815. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRANT WHITTLESEY, doing business as Braxold Co., Buffalo, N. Y. Filed July 9, 1924.

"BRAXOLD"

Particular description of goods.—Compound for Brake Lining.

Claims use since about June 26, 1924.

Ser. No. 199,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TACOMA GRAIN CO., Tacoma, Wash. Filed July 10, 1924.



PYRAMID

Particular description of goods.—Wheat Flour.

Claims use since Apr. 1, 1902.

Ser. No. 199,865. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass. Filed July 10, 1924.

EAGLE BRAND

The word "Brand" does not form a part of the registration sought.

Particular description of goods.—Sheets of Brass or Copper or Alloy Thereof, Drawn or Rolled Rods of Brass or Copper or Alloys Thereof, Bronze Sheets or Rods, Sheets and Rods of Yellow Metal, Sheets and Rods of Naval Bronze, Manganese-Bronze Sheets and Rods, Yellow-Metal Sheathing, Castings and Forgings of Brass or Copper or Alloys Thereof.

Claims use since Apr. 1, 1922.

Ser. No. 199,873. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTSILK KNITTING MILLS, West New York, N. J. Filed July 11, 1924.

BENGFILE

All common-law rights of the applicant in the accompanying drawing are, however, reserved.

Particular description of goods.—Knitted Cloth and Fabric in the Piece and Made of Silk, Artificial Silk, Cotton, and Combinations of the Same.

Claims use since July 30, 1923.

Ser. No. 199,874. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTSILK KNITTING MILLS, West New York, N. J. Filed July 11, 1924.

Duv-Suede

The word "Suede" is disclaimed apart from the combination shown in the drawing. All common-law rights of the applicant in the trade-mark shown in the accompanying drawing are, however, reserved.

Particular description of goods.—Knitted Cloth and Fabric in the Piece and Made of Silk, Artificial Silk, Cotton, and Combinations of the Same.

Claims use since June 10, 1924.

Ser. No. 199,881. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CRYSTAL MILLS, INC., West New York, N. J. Filed July 11, 1924.

DOTTY-DOT

Particular description of goods.—Knitted Cloth and Fabric in the Piece and Made of Silk, Artificial Silk, Cotton, and Combinations of the Same.

Claims use since June 10, 1924.

Ser. No. 199,894. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, New York, N. Y. Filed July 11, 1924.

Duv-Crepe

The word "Crepe" is disclaimed apart from the combination shown in the drawing. All common-law rights of the applicant in the trade-mark shown in the accompanying drawing are, however, reserved.

Particular description of goods.—Knitted Cloth and Fabric in the Piece and Made of Silk, Artificial Silk, Cotton, and Combinations of the Same.

Claims use since June 10, 1924.

Ser. No. 199,901. (CLASS 12. CONSTRUCTION MATERIALS.) PENNSYLVANIA FLOORING AND MANUFACTURING CO., Philadelphia, Pa. Filed July 11, 1924.



The exclusive rights to the words "Economy," "Utility," "Quality," and "Service" are herein disclaimed apart from the mark shown upon the drawing, without, however, waiving any common-law rights thereto.

Particular description of goods.—Lumber.

Claims use since July 30, 1923.

Ser. No. 199,959. (CLASS 15. OILS AND GREASES.) THE TROY BELTING & SUPPLY COMPANY, Troy, N. Y. Filed July 12, 1924.

GEAR SEAL

Particular description of goods.—Lubricating Oil.
Claims use since Oct. 20, 1922.

Ser. No. 199,973. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE GEO. H. BOWMAN CO., Cleveland, Ohio. Filed July 14, 1924.

COOKCRAFT

Particular description of goods.—Miniature Aluminum Cooking Utensils—Namely, Lipped Saucepan, Lipped Preserving Kettle, Round Roaster, Covered Bucket, Frying Pan, Teakettle, Swiss Kettle, Cake Pan, Pie Pan, Swiss Saucepan, Swiss Stewpot, Double Boiler, and Teapot.
Claims use since April, 1924.

Ser. No. 200,029. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ASSOCIATED OIL COMPANY, San Francisco, Calif. Filed July 15, 1924.

COLITE

Particular description of goods.—Soap, Washing Fluid, Scouring Powder, and Cleaning Solution.
Claims use since June 18, 1924.

Ser. No. 200,042. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa. Filed July 15, 1924.

FLINTITE

Trade-mark consists of the word "Flintite."
Particular description of goods.—Valves and Valve Seats.
Claims use since September, 1923.

Ser. No. 200,047. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KALTENBACH & STEPHENS, INC., New York, N. Y. Filed July 15, 1924.

RADIANCE

Particular description of goods.—Silk and Satin Ribbons in the Piece.
Claims use since Apr. 1, 1924.

Ser. No. 200,090. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CENTRAL SCIENTIFIC CO., Chicago, Ill. Filed July 16, 1924

ROTOVAC

Particular description of goods.—Vacuum Pumps.
Claims use since May 1, 1923.

Ser. No. 200,172. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN TRIPOLI COMPANY, Seneca, Mo. Filed July 18, 1924.

TRIPOLIX

Particular description of goods.—Tripoli Flour Used as a Buffing or Polishing Material, Washing Powder, Tripoli Flour Used in Laundry Compositions, Soaps.
Claims use since July 1, 1924.

Ser. No. 200,173. (CLASS 31. FILTERS AND REFRIGERATORS.) AMERICAN TRIPOLI COMPANY, Seneca, Mo. Filed July 18, 1924.

TRIPOLIX

Particular description of goods.—Tripoli Filter Stones, Pressure Filters, Siphon Filters, and Disk Filters.
Claims use since June 1, 1924.

Ser. No. 200,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE F. HARGRAVE, doing business as Hargrave Medicine Co., North Little Rock, Ark. Filed July 18, 1924.

Subdue-It

Particular description of goods.—Expectorant Solution.
Claims use since on or about Feb. 15, 1922.

Ser. No. 200,223. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed July 18, 1924.

DUCKEE

Particular description of goods.—Talcum Powder.
Claims use since Dec. 19, 1922.

Ser. No. 200,246. (CLASS 32. FURNITURE AND UPHOLSTERY.) COLUMBIA MANTEL CO., Brooklyn, N. Y. Filed July 19, 1924.

Recordion

Trade-mark "Recordion."
Particular description of goods.—Cabinets for Talking Machines and Radio Sets.
Claims use since January, 1917, for cabinets for talking machines; since about Apr. 15, 1924, for radiocabinets.

Ser. No. 200,264. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KENT-MOORE ORGANIZATION, Detroit, Mich. Filed July 19, 1924.

"BENZITE"

Particular description of goods.—Burnishing Compounds.
Claims use since Apr. 1, 1924.

Ser. No. 200,290. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed July 19, 1924.



Particular description of goods.—Petroleum and Products with or without Admixtures of Other Materials for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, and Tempering.
Claims use since October, 1884.

Ser. No. 200,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. A. HOPKINS' SONS, Sodus, N. Y. Filed July 21, 1924.

P. D. Q.

Particular description of goods.—Pancake Flour.
Claims use since Jan. 2, 1924.

Ser. No. 200,328. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEVI & SELIGMAN, INC., Brooklyn, N. Y. Filed July 21, 1924.

Selikord

Particular description of goods.—Silk Knitted Cloth in the Piece.
Claims use since June 2, 1924.

Ser. No. 200,329. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEVI & SELIGMAN, INC., Brooklyn, N. Y. Filed July 21, 1924.

Sumeripl

Particular description of goods.—Silk Knitted Cloth in the Piece.
Claims use since May 21, 1924.

Ser. No. 200,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER SPURGEON MARTIN, Canton, N. C. Filed July 21, 1924.



Exclusive use of the words "Capsules Bring Relief" is disclaimed except in association with the other features of the mark.

Particular description of goods.—Medicinal Preparation for the Relief of Headache, Cold, Neuralgia, Toothache, La Grippe, and Influenza.

Claims use since June 28, 1924.

Ser. No. 200,360. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed July 22, 1924.

OLYMPIC

Particular description of goods.—Paste Paint.

Claims use since Dec. 1, 1923.

Ser. No. 200,361. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed July 22, 1924.

SPECIFIC

Particular description of goods.—Wall Paints Used as Priming Coats and Finishing Coats.

Claims use since Dec. 1, 1923.

Ser. No. 200,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif. Filed July 22, 1924.

FOOTHILL MAID

Particular description of goods.—Fresh Grapes.

Claims use since June 19, 1923.

Ser. No. 200,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NSHAN B. BEDROSIAN, doing business as Massasoit Chemical Co., Providence, R. I. Filed July 24, 1924.



No claim is made to the words "Providence, R. I."

Particular description of goods.—External Ointment for Eczema, Skin and Scalp Diseases, and Rheumatism.

Claims use since June, 1924.

Ser. No. 200,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILL BLACKETT, Chicago, Ill. Filed July 24, 1924.



Particular description of goods.—Tooth Paste.

Claims use since Apr. 28, 1924.

Ser. No. 200,421. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 24, 1924.

Drapelt

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since May 6, 1924.

Ser. No. 200,434. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed July 24, 1924.

33

Particular description of goods. Photographic Sensitized Materials, Particularly Plates.

Claims use since July 11, 1924.

Ser. No. 200,435. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed July 24, 1924.

40

Particular description of goods.—Photographic Sensitized Materials, Particularly Plates.

Claims use since July 8, 1924.

Ser. No. 200,436. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed July 24, 1924.

SPEEDWAY

Particular description of goods.—Photographic Sensitized Materials, Particularly Plates.

Claims use since July 8, 1924.

Ser. No. 200,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT PACKING CO., INC., San Jose, Calif. Filed July 24, 1924.

MISS CALIFORNIA

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since June 27, 1924.

Ser. No. 200,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY MAGLIATO, doing business as The Baye-Kerrs Company, New York, N. Y. Filed July 24, 1924.

BAYE KERRS

Particular description of goods.—Eye Balsam.

Claims use since Feb. 1, 1924.

Ser. No. 200,466. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY BUTTER COMPANY, Pittsburgh, Pa. Filed July 24, 1924.

GOLDEN WEST

Particular description of goods.—Creamery Butter.

Claims use since Mar. 1, 1924.

Ser. No. 200,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY BUTTER COMPANY, Pittsburgh, Pa. Filed July 24, 1924.

Red Seal

Particular description of goods.—Creamery Butter.

Claims use since Mar. 1, 1922.

Ser. No. 200,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS CO., Winona, Minn. Filed July 24, 1924.

VOLATYLE

Particular description of goods.—Medicinal Compounds Suitable for the Relief of Respiratory Disorders.

Claims use since July 11, 1924.

Ser. No. 200,472. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924.

Chipelt

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since June 10, 1924.

Ser. No. 200,473. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924.

Keramusk

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since June 18, 1924.

Ser. No. 200,474. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924.

Chipfur

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since July 9, 1924.

Ser. No. 200,475. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 25, 1924.

Keramole

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since July 18, 1924.

Ser. No. 200,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLO M. BRAUN, doing business as A. M. Braun, Far Rockaway, N. Y. Filed July 25, 1924.

BRAUN'S
ALMABRA

Particular description of goods.—Toilet Preparations—Viz., Nail Polish and Permanent-Wave Ointment.
Claims use since Nov. 23, 1923.

Ser. No. 200,483. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed July 25, 1924.

130

Particular description of goods.—Photographic Films.
Claims use since **Mar. 4, 1916.**

Ser. No. 200,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM HOLLINGSWORTH, doing business as Vigor Tone Stiles Company, Fort Worth, Tex. Filed July 25, 1924.

VSTC

Particular description of goods.—Medicine for the Treatment of Rheumatism and Stomach Trouble.
Claims use since June 1, 1924.

Ser. No. 200,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAKE MILLS CANNING COMPANY, Lake Mills, Iowa. Filed July 26, 1924.

ELNORA

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since 1894.

Ser. No. 200,588. (CLASS 17. TOBACCO PRODUCTS.) VETTERLEIN BROTHERS INC., Philadelphia, Pa. Filed July 26, 1924.

SABOROSO

Particular description of goods.—Cigars, Cigarettes, Smoking Tobacco, and Chewing Tobacco.
Claims use since 1887.

Ser. No. 200,590. (CLASS 17. TOBACCO PRODUCTS.) VETTERLEIN BROTHERS INC., Philadelphia, Pa. Filed July 26, 1924.

LA CORNELIA

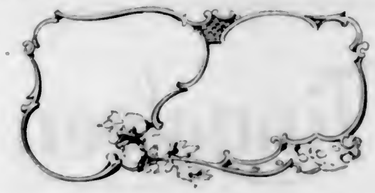
Particular description of goods.—Cigars, Cigarettes, Smoking Tobacco, and Chewing Tobacco.
Claims use since 1896.

Ser. No. 200,648. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM E. WIENER, INC., New York, N. Y. Filed July 28, 1924.

Wedding Ring

Particular description of goods.—Silk Piece Goods—i. e., Satin, Chiffon.
Claims use since May 27, 1924.

Ser. No. 200,652. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924.



Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1902.

Ser. No. 200,658. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924.

EDGEMERE

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1898.

Ser. No. 200,661. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y. Filed May 9, 1924.

JB&Co

Particular description of goods.—Awning Stripes and Ticking Made of Cotton, Linen, Cotton Damask, and Combinations of Cotton and Linen.
Claims use since Jan. 1, 1902.

Ser. No. 200,681. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed July 29, 1924.

"FOOD FOR THOUGHT"

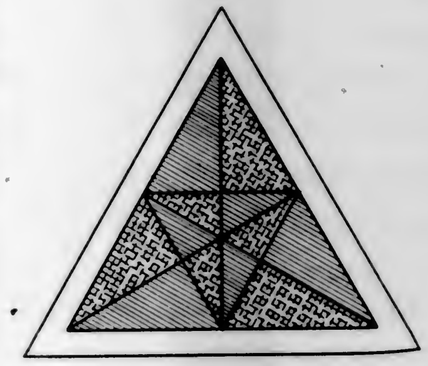
Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish.
Claims use since June 18, 1924.

Ser. No. 200,689. (CLASS 15. OILS AND GREASES.) POLLARD OIL COMPANY, INC., Sioux City, Iowa. Filed July 29, 1924.

TRI-AMBLE

Particular description of goods—Fuel Oils.
Claims use since Apr. 15, 1924.

Ser. No. 200,690. (CLASS 15. OILS AND GREASES.) POLLARD OIL COMPANY, INC., Sioux City, Iowa. Filed July 29, 1924.



The mark consists of a triangle superposed upon a larger triangle of white, the inner triangle being divided by median lines and chords connecting the median points of the sides into smaller triangles, alternately colored red and yellow, as indicated by the vertical and checkered lining, respectively.
Particular description of goods.—Fuel Oils.
Claims use since Apr. 15, 1924.

Ser. No. 200,694. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SCOFIELD, EYANS AND COMPANY, Chicago, Ill. Filed July 29, 1924.

REPELLO-FIL

Particular description of goods.—Wood Fillers.
Claims use since Mar. 26, 1924.

Ser. No. 200,734. (CLASS 15. OILS AND GREASES.) TREMLEY OIL CO., INC., New York, N. Y. Filed July 30, 1924.



Particular description of goods.—Gasoline.
Claims use since July 10, 1924.

Ser. No. 200,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 31, 1924.

Beacon

Particular description of goods.—Cooked Tongue, Cooked Meat Roll, Sausage, Picnics, and Luncheon Tongue.
Claims use since Jan. 17, 1916.

Ser. No. 200,803. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed Aug. 1, 1924.

Tingaleen

Particular description of goods.—Knitted Silk Fabrics—viz, Artificial-Silk Knitted Cloth in the Bolt.
Claims use since June 30, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 9, 1924.

188,924. PHOTOGRAPHIC FILMS. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed March 21, 1924. Serial No. 194,152. PUBLISHED JULY 1, 1924.

188,925. CHOCOLATES. THE RODWAY COMPANY INC., New York, N. Y.
Filed May 12, 1924. Serial No. 196,930. PUBLISHED JUNE 24, 1924.

188,926. CANDY. OTTO P. CATSIGIANIS, doing business as Blue Hill Candy Company, St. Louis, Mo.
Filed May 12, 1924. Serial No. 196,903. PUBLISHED JUNE 24, 1924.

188,927. CANNED FRUITS. WILLIAM OLNEY, doing business as William Olney & Company, San Francisco, Calif.
Filed May 8, 1924. Serial No. 196,755. PUBLISHED JUNE 24, 1924.

188,928. NATURAL MINERAL WATER. FRANK H. MURPHY, doing business as Blossom Mineral Water Co., Paris, Tex.
Filed May 6, 1924. Serial No. 196,669. PUBLISHED JUNE 24, 1924.

188,929. FIREARMS OF ALL KINDS. SOCIEDAD ANONIMA COOPERATIVA ALEA, Eibar, Spain.
Filed May 7, 1924. Serial No. 196,717. PUBLISHED JUNE 24, 1924.

188,930. RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. HARRY RUDGINSKY, doing business as Varsity Cord Tire Company, Akron, Ohio, and Boston, Mass.
Filed April 29, 1924. Serial No. 196,318. PUBLISHED JUNE 24, 1924.

188,931. RUBBER TUBING. METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y.
Filed April 22, 1924. Serial No. 195,975. PUBLISHED JUNE 24, 1924.

188,932. GOLF CLUBS. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed April 17, 1924. Serial No. 195,679. PUBLISHED JUNE 24, 1924.

188,933. LIME. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed April 7, 1924. Serial No. 195,128. PUBLISHED JUNE 24, 1924.

188,934. SMOKING PIPES. THE SUPERIOR PIPE CO., INC., New York, N. Y.
Filed April 4, 1924. Serial No. 195,027. PUBLISHED JUNE 24, 1924.

188,935. CHILDREN'S VEHICLES. HYGRADE MECHANICAL TOY MFG. CO., INC., Brooklyn, N. Y.
Filed April 3, 1924. Serial No. 194,924. PUBLISHED JUNE 24, 1924.

188,936. DRESSED POULTRY. CALIFORNIA POULTRY COMPANY, San Francisco, Calif.
Filed April 3, 1924. Serial No. 194,906. PUBLISHED JUNE 24, 1924.

188,937. EAVES TROUGHS, GUTTERS, EAVES-TROUGH OUTLETS, EAVES-TROUGH END CAPS, EAVES-TROUGH MITERS, ROOF FINIALS, RIDGE ROLL, AND GRAVEL-STOP STRIPS. BERGER BROS. COMPANY, Philadelphia, Pa.
Filed April 1, 1924. Serial No. 194,775. PUBLISHED JUNE 24, 1924.

188,938. DUST-COLLECTING SYSTEMS AND APPARATUS FOR AIR SEPARATING AND CONVEYING SYSTEMS. THE CLARK DUST COLLECTING CO. INC., Chicago, Ill.
Filed March 24, 1924. Serial No. 194,334. PUBLISHED JULY 8, 1924.

188,939. SENSITIZED PHOTOGRAPHIC PAPER. C. FRED SCHMIDT, doing business as Photo-Record Paper Co., Rochester, N. Y.
Filed March 28, 1924. Serial No. 194,624. PUBLISHED JULY 1, 1924.

188,940. PRESSURE-REDUCING VALVES, BACK-PRESSURE VALVES, RELIEF VALVES, SAFETY VALVES, EXCESS-PRESSURE PUMP REGULATORS, DIFFERENTIAL PRESSURE REGULATORS, AND AUTOMATIC STOP VALVES. D. H. SKEEN, doing business as D. H. Skeen & Company, Chicago, Ill.
Filed March 29, 1924. Serial No. 194,675. PUBLISHED JULY 8, 1924.

188,941. CARBURETORS FOR EXPLOSIVE ENGINES. HOLLEY CARBURETOR COMPANY, Detroit, Mich.
Filed April 5, 1924. Serial No. 195,061. PUBLISHED JULY 1, 1924.

188,942. REAMERS, VALVE REAMERS, VALVE-SEAT REAMERS, VALVE-SEAT CUTTERS, VALVE-GRINDING TOOLS, AND VALVE-CUTTING TOOLS. HELLYER STEEL PARTS CORPORATION, Los Angeles, Calif.
Filed April 7, 1924. Serial No. 195,109. PUBLISHED JULY 8, 1924.

188,943. DENTAL HAND-PIECE STERILIZERS AND STERILIZERS OF DENTAL APPARATUS. PETER J. L. NEMMERS, Chicago, Ill.
Filed April 7, 1924. Serial No. 195,120. PUBLISHED JULY 1, 1924.

188,944. HAND-OPERATED LIQUID MEASURING AND DISPENSING APPARATUS. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 7, 1924. Serial No. 195,136. PUBLISHED JULY 1, 1924.

188,945. HAND-OPERATED LIQUID MEASURING AND DISPENSING APPARATUS. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed April 7, 1924. Serial No. 195,137. PUBLISHED JULY 1, 1924.

188,946. KNITTED DIAPERS. LOUISE R. MCNAIR, Warsaw, N. Y.
Filed April 10, 1924. Serial No. 195,298. PUBLISHED JULY 1, 1924.

188,947. COIN-OPERATED DOOR LOCKS. ROBERT D. PEARSON, Los Angeles, Calif.
Filed April 12, 1924. Serial No. 195,458. PUBLISHED JULY 8, 1924.

188,948. BAKE PANS. THE AUGUST MAAG CO., Baltimore, Md.
Filed April 12, 1924. Serial No. 195,458. PUBLISHED JULY 1, 1924.

188,949. CONCRETE INSERT. MARCIAN E. SAUNIER, Bay City, Mich.
Filed April 16, 1924. Serial No. 195,653. PUBLISHED JULY 1, 1924.

188,950. FERTILIZER. POCAHONTAS GUANO CO., INC., Lynchburg, Va.
Filed April 19, 1924. Serial No. 195,835. PUBLISHED JULY 1, 1924.

188,951. MOTION-PICTURE FILMS. LEE LASH FILMS, Mount Vernon and New York, N. Y.
Filed April 21, 1924. Serial No. 195,891. PUBLISHED JULY 8, 1924.

188,952. SPRINKLING EQUIPMENT FOR LAWNS, GARDENS, TRUCK GARDENS, AND GREENHOUSES. WHITE SHOWERS INC., Detroit, Mich.
Filed April 24, 1924. Serial No. 196,096. PUBLISHED JULY 8, 1924.

188,953. HIGH-FREQUENCY ELECTRIC MACHINES EMPLOYED IN DESICCATION SURGERY. WAPPLER ELECTRIC COMPANY, INC., Long Island City, N. Y.
Filed April 25, 1924. Serial No. 196,144. PUBLISHED JULY 8, 1924.

188,954. HONING TOOLS FOR GRINDING ENGINE CYLINDERS AND THE LIKE. THE TITAN MACHINE & MFG. CO., Cleveland, Ohio.
Filed April 26, 1924. Serial No. 196,214. PUBLISHED JULY 8, 1924.

188,955. SHAVINGS AND DUST-COLLECTING SYSTEMS AND APPARATUS. CHICAGO BLOW PIPE CO., Chicago, Ill.
Filed April 28, 1924. Serial No. 196,232. PUBLISHED JULY 8, 1924.

188,956. SPRAYING APPARATUS. VESDAL CREATIONS, INC., New York, N. Y.
Filed April 28, 1924. Serial No. 196,279. PUBLISHED JULY 1, 1924.

188,957. STEEL. VULCAN CRUCIBLE STEEL COMPANY, Aliquippa, Pa.
Filed March 20, 1924. Serial No. 194,142. PUBLISHED JULY 1, 1924.

188,958. WINDOW-SHADE OR WINDOW-BLIND ROLLERS. HAGLUND & SÖNERS HANDELS- & FABRIKSAKTIEBOLAG, Falkoping, Sweden.
Filed May 8, 1923. Serial No. 180,335. PUBLISHED JULY 8, 1924.

188,959. ELASTIC VEHICLE TIRES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 31, 1917. Serial No. 101,064. PUBLISHED AUGUST 23, 1921.

188,960. SCISSORS. ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y.
Filed April 7, 1923. Serial No. 178,703. PUBLISHED JULY 1, 1924.

188,961. STEAM TRAPS AND CERTAIN SPRAYING DEVICES. VALVE ENGINEERING COMPANY, Cambridge, Mass.
Filed April 19, 1923. Serial No. 179,387. PUBLISHED JULY 8, 1924.

188,962. HOES AND AGRICULTURAL HAND IMPLEMENTS FOR HOEING, DIGGING, AND CULTIVATING. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed April 23, 1923. Serial No. 179,507. PUBLISHED JULY 8, 1924.

188,963. MOTION-PICTURE FILMS. EUGENE W. CASTLE, doing business as Castle Films, San Francisco, Calif.
Filed April 23, 1923. Serial No. 179,515. PUBLISHED JULY 8, 1924.

188,964. HAND-OPERATED MEASURING PUMPS FOR OIL AND OTHER LIQUID. ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo.
Filed July 9, 1923. Serial No. 183,007. PUBLISHED JULY 1, 1924.

188,965. BRASS AND BRONZE CASTINGS, BABBITT METAL, BRONZE INGOTS, AND IRON AND STEEL CASTINGS, AND FORGINGS. THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa.
Filed September 20, 1923. Serial No. 185,956. PUBLISHED JULY 1, 1924.

188,966. METALS AND METAL CASTINGS, BABBITT METAL, BRONZE INGOTS, AND IRON AND STEEL CASTINGS, AND FORGINGS. THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa.
Filed September 20, 1923. Serial No. 185,957. PUBLISHED JULY 1, 1924.

188,967. NONFERROUS METALS AND NONFERROUS METAL CASTINGS AND FORGINGS. THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa.
Filed September 20, 1923. Serial No. 185,959. PUBLISHED JULY 1, 1924.

188,968. DENTAL SUPPLIES—NAMELY, HAND PIECES, DRILLS, FINISHING STRIPS, DISK HOLDERS, STONE TRUERS, PLATE SWAGERS, AND FACE BOWS. WALTER J. TERRY, Seattle, Wash.
Filed October 15, 1923. Serial No. 187,028. PUBLISHED JULY 1, 1924.

188,969. HEAT PAD FOR MEDICAL PURPOSES. E. MARVIN BAILEY, Houston, Tex.
Filed November 14, 1923. Serial No. 188,290. PUBLISHED JULY 1, 1924.

188,970. BEARING METALS. A. W. CADMAN MANUFACTURING CO., Pittsburgh, Pa.
Filed November 20, 1923. Serial No. 188,584. PUBLISHED JULY 1, 1924.

188,971. PLOWS. ANDRÉ GARRIC, Layrac, France.
Filed January 14, 1924. Serial No. 190,778. PUBLISHED JULY 1, 1924.

188,972. REAMERS, BUSHINGS, AND JIGS. THE JIG BUSHING COMPANY, Pontiac, Mich.
Filed February 18, 1924. Serial No. 192,487. PUBLISHED JULY 1, 1924.

188,973. WASHBOWLS, URINALS, TOILETS, BATHTUBS, BATHROOM FIXTURES ATTACHED TO THE WALL, AND DRINKING FOUNTAINS. WEST COAST PORCELAIN MANUFACTURERS, Millbrae, Calif.
Filed February 21, 1924. Serial No. 192,654. PUBLISHED JULY 1, 1924.

188,974. DENTAL MOLDING MATERIAL AS USED FOR PLATES, EITHER ALONE OR IN COMBINATION WITH OTHER SUBSTANCES OF PLASTIC OR SEMIPLASTIC NATURE, AND CAPABLE OF BEING HARDENED BY PROCESSES EQUIVALENT TO VULCANIZATION. ROBERT L. L. WARNER, New York, N. Y.
Filed March 10, 1924. Serial No. 193,559. PUBLISHED JULY 8, 1924.

188,975. MOTION-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed March 14, 1924. Serial No. 193,764. PUBLISHED JULY 1, 1924.

188,976. MOTION-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed March 14, 1924. Serial No. 193,765. PUBLISHED JULY 1, 1924.

188,977. WEIGHING SCALES. HANSON BROTHERS SCALE CO., Chicago, Ill.
Filed May 1, 1924. Serial No. 196,386. PUBLISHED JULY 8, 1924.

188,978. FERTILIZER. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed May 2, 1924. Serial No. 196,421. PUBLISHED JULY 8, 1924.

188,979. METAL-CUTTING SAWS, AND PARTICULARLY HACK-SAW BLADES. SPARTAN SAW WORKS, Springfield, Mass.
Filed May 8, 1924. Serial No. 196,771. PUBLISHED JULY 1, 1924.

188,980. NOSTRIL EXPANDERS. HENRY R. WOODWARD, doing business as Simple Device Co., Washington, D. C.
Filed May 8, 1924. Serial No. 196,782. PUBLISHED JULY 8, 1924.

188,981. CERTAIN VALVES AND COCKS. THE EDNA BRASS MFG. CO., Cincinnati, Ohio.
Filed May 9, 1924. Serial No. 196,796. PUBLISHED JULY 8, 1924.

188,982. GRADUATED CHEMICAL AND LABORATORY GLASSWARE. KIMBLE GLASS COMPANY, Vineland, N. J., and Chicago, Ill.
Filed May 9, 1924. Serial No. 196,813. PUBLISHED JULY 8, 1924.

188,983. CAN-OPENING MACHINES. THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn.
Filed May 9, 1924. Serial No. 196,839. PUBLISHED JULY 1, 1924.

188,984. TOOL-GRIPPING DEVICES FOR PIPE SECTIONS. DAVID S. WEDGEWORTH, Saucier, Miss.
Filed May 10, 1924. Serial No. 196,892. PUBLISHED JULY 1, 1924.

188,985. CHAIR ATTACHMENTS FOR HOLDING OPHTHALMOLOGICAL APPARATUS, UNIT STANDARDS FOR OPHTHALMOLOGICAL INSTRUMENTS, WALL BRACKET SUPPORTS FOR OPHTHALMOLOGICAL APPARATUS, OPTICAL TEST CHARTS, AND PHORO-OPTOMETERS (REFRACTORS). GENERAL OPTICAL COMPANY, INC., Mount Vernon, N. Y.
Filed May 14, 1924. Serial No. 197,022. PUBLISHED JULY 8, 1924.

188,986. KNITTING-MACHINE NEEDLES AND POINTS. TEXTILE MACHINE WORKS, Wyomissing, Pa.
Filed May 14, 1924. Serial No. 197,055. PUBLISHED JULY 1, 1924.

188,987. RUBBER REDUCING GARMENTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed May 15, 1924. Serial No. 197,083. PUBLISHED JULY 8, 1924.

188,988. COOKING GRILLS. DARMAC COMPANY, New York, N. Y.
Filed May 16, 1924. Serial No. 197,137. PUBLISHED JULY 8, 1924.

188,989. WEIGHING SCALES. DAYTON SCALE COMPANY, Dayton, Ohio.
Filed May 28, 1924. Serial No. 197,706. PUBLISHED JULY 8, 1924.

188,990. POULTRY FEEDS. M. C. PETERS MILL CO., Omaha, Nebr.
Filed March 24, 1923. Serial No. 177,992. PUBLISHED JULY 1, 1924.

188,991. POULTRY FEEDS. M. C. PETERS MILL CO., Omaha, Nebr.
Filed March 24, 1923. Serial No. 177,994. PUBLISHED JULY 1, 1924.

188,992. CERTAIN NAMED OILS AND GREASES. STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La.
Filed June 4, 1923. Serial No. 181,542. PUBLISHED JUNE 3, 1924.

188,993. BASE OIL FOR CUTTING FLUIDS AND COOLANTS. D. A. STUART & CO., Chicago, Ill.
Filed October 31, 1923. Serial No. 187,781. PUBLISHED JANUARY 29, 1924.

188,994. GASOLINE, MOTOR OILS, DISTILLATE, KEROSENE, FUEL OIL, AND STOVE OIL. HERCULES GASOLINE CO., Los Angeles, Calif.
Filed Dec. 17, 1923. Serial No. 189,779. PUBLISHED APRIL 29, 1924.

188,995. BUTTER. CLIMAX CREAMERY CO., Shawnee, Okla.
Filed February 14, 1924. Serial No. 192,239. PUBLISHED JULY 1, 1924.

188,996. LUBRICATING OILS AND LUBRICANTS. RASMUSSEN & CO., Portland, Oreg.
Filed February 16, 1924. Serial No. 192,421. PUBLISHED JUNE 3, 1924.

188,997. MOTOR OILS. HARRY E. LYNCH, Pueblo, Colo.
Filed March 25, 1924. Serial No. 194,404. PUBLISHED JUNE 17, 1924.

188,998. CUTTING LUBRICANTS. CHARLES B. OWEN, Cleveland, Ohio.
Filed March 28, 1924. Serial No. 194,612. PUBLISHED JUNE 17, 1924.

188,999. RUGS AND CARPETS MADE OF COTTON, WOOL, AND JUTE YARNS. HUGH NELSON COLUMBIA CARPET MILLS, Philadelphia, Pa.
Filed April 5, 1924. Serial No. 195,067. PUBLISHED JULY 8, 1924.

189,000. WHEAT FLOUR. CLEVELAND MILLING COMPANY, Cleveland, Tenn.
Filed April 9, 1924. Serial No. 195,212. PUBLISHED JULY 1, 1924.

189,001. TEXTILE RUGS. THE MOLLOY-SKELLY CARPET COMPANY, INC., New York, N. Y.
Filed April 16, 1924. Serial No. 195,651. PUBLISHED JULY 8, 1924.

189,002. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed April 18, 1924. Serial No. 195,788. PUBLISHED JULY 1, 1924.

189,003. LUBRICANTS FOR SAWS, SAW BLADES, DRILLS, EDGE TOOLS, HAND AND POWER METAL CUTTING TOOLS, RAZOR STROPS, AND HONES. J. E. MILLER, doing business as J. E. Miller & Co., Chicago, Ill.
Filed April 21, 1924. Serial No. 195,898. PUBLISHED JUNE 17, 1924.

189,004. THREAD. J. E. BARBOUR COMPANY, Paterson, N. J.
Filed April 22, 1924. Serial No. 195,938. PUBLISHED JULY 8, 1924.

189,005. LUBRICANTS IN OIL AND GREASE FORM. THE PENNZOIL CO. INC., Buffalo, N. Y.
Filed April 22, 1924. Serial No. 195,983. PUBLISHED JUNE 24, 1924.

189,006. GASOLINE AND BLENDED MOTOR FUEL. ACME OIL CO. OF ALABAMA, Birmingham, Ala.
Filed April 23, 1924. Serial No. 196,001. PUBLISHED JUNE 17, 1924.

189,007. BLEACHED COTTON PIECE GOODS. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed April 29, 1924. Serial No. 196,308. PUBLISHED JULY 8, 1924.

189,008. KEROSENE. THE FACTORY OIL COMPANY, Akron, Ohio.
Filed May 2, 1924. Serial No. 196,447. PUBLISHED JUNE 24, 1924.

189,009. CHEESE AND CHEESE PRODUCTS. THE MARTIN BROS. COMPANY, Denver, Colo.
Filed May 3, 1924. Serial No. 196,537. PUBLISHED JULY 1, 1924.

189,010. TOY BUILDING BLOCKS. BLOCK HOUSE, INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,412. PUBLISHED JULY 1, 1924.

189,011. ICE SKATES. NESTOR JOHNSON MFG. CO., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,288. PUBLISHED JULY 1, 1924.

189,012. HAIRBRUSHES. DR. S. J. EGAN MANUFACTORY, Chicago, Ill.
Filed May 19, 1924. Serial No. 197,264. PUBLISHED JULY 1, 1924.

189,013. WOOLENS AND WORSTEDS IN THE PIECE. BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y.
Filed May 16, 1924. Serial No. 197,157. PUBLISHED JULY 1, 1924.

189,014. WOOLENS AND WORSTEDS IN THE PIECE. BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y.
Filed May 16, 1924. Serial No. 197,156. PUBLISHED JULY 1, 1924.

189,015. SILK PIECE GOODS, COTTON PIECE GOODS, AND SILK AND COTTON PIECE GOODS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed May 15, 1924. Serial No. 197,111. PUBLISHED JULY 1, 1924.

189,016. CHILDREN'S TRICYCLES. PUFFER-HUBBARD MANUFACTURING COMPANY, Minneapolis, Minn.
Filed May 14, 1924. Serial No. 197,045. PUBLISHED JULY 1, 1924.

189,017. RATTLES AND CHILDREN'S HOLLOW AND FLOATING TOYS IN VARIOUS FORMS AND SHAPES. PACIFIC NOVELTY COMPANY, New York, N. Y.
Filed May 14, 1924. Serial No. 197,042. PUBLISHED JULY 1, 1924.

189,018. CANNED VEGETABLES. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis.
Filed May 14, 1924. Serial No. 197,039. PUBLISHED JULY 1, 1924.

189,019. SHEET GLASS AND SHEET-GLASS PRODUCTS. CONTINENTAL FLAT GLASS COMPANY, Shreveport, La.
Filed May 12, 1924. Serial No. 196,911. PUBLISHED JUNE 24, 1924.

189,020. SHEET GLASS AND SHEET-GLASS PRODUCTS. CONTINENTAL FLAT GLASS COMPANY, Shreveport, La.
Filed May 12, 1924. Serial No. 196,910. PUBLISHED JUNE 24, 1924.

189,021. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed May 10, 1924. Serial No. 196,868. PUBLISHED JULY 1, 1924.

189,022. HANDKERCHIEFS. LONG HANDKERCHIEF CO., INC., Passaic, N. J., and New York, N. Y.
Filed May 9, 1924. Serial No. 196,815. PUBLISHED JULY 1, 1924.

189,023. SILK PIECE GOODS. PHILIP GALLUB, New York, N. Y.
Filed May 9, 1924. Serial No. 196,801. PUBLISHED JULY 1, 1924.

189,024. HAIR NETS. SITROUX IMPORTING CO. INC., New York, N. Y.
Filed May 24, 1924. Serial No. 197,563. PUBLISHED JULY 8, 1924.

189,025. WOOLEN PIECE GOODS. MORSE D. LEVITT, doing business as Morse D. Levitt Company, New York, N. Y.
Filed May 22, 1924. Serial No. 197,439. PUBLISHED JULY 8, 1924.

189,026. WHEAT FLOUR. GREAT WEST MILL & ELEVATOR COMPANY, Amarillo, Tex.
Filed May 21, 1924. Serial No. 197,370. PUBLISHED JULY 1, 1924.

189,027. ANIMAL MOLASSES FEEDS. HUNTSVILLE WAREHOUSE COMPANY, Huntsville, Ala.
Filed May 20, 1924. Serial No. 197,330. PUBLISHED JULY 1, 1924.

189,028. LINSEED-OIL MEAL. THE PORTLAND LINSEED OIL WORKS, INC., Portland, Oreg.
Filed May 16, 1924. Serial No. 197,167. PUBLISHED JULY 1, 1924.

189,029. FULL-CREAM CHEESE. ALBERT H. LOEB, Charlevoix, Mich.
Filed May 16, 1924. Serial No. 197,160. PUBLISHED JULY 1, 1924.

189,030. CREAMERY BUTTER. AUERBACH COMPANY, Salt Lake City, Utah.
Filed May 15, 1924. Serial No. 197,058. PUBLISHED JULY 1, 1924.

189,031. WHEAT FLOUR. THE AFRICAN & EASTERN TRADING CO., INCORPORATED, New York, N. Y.
Filed May 12, 1924. Serial No. 196,895. PUBLISHED JULY 1, 1924.

189,032. LUBRICATING OILS. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed May 9, 1924. Serial No. 196,828. PUBLISHED JUNE 17, 1924.

189,033. LUBRICATING OILS AND GREASES. NORTHERN IOWA OIL COMPANY, Cresco, Iowa.
Filed May 8, 1924. Serial No. 196,752. PUBLISHED JUNE 17, 1924.

189,034. MOTOR FUEL. WAVERLY OIL WORKS COMPANY, Pittsburgh, Pa.
Filed May 6, 1924. Serial No. 196,685. PUBLISHED JUNE 17, 1924.

189,035. MINERAL WATER. RAMIRO GARCIA, Habana, Cuba.
Filed May 7, 1921. Serial No. 147,343. PUBLISHED JUNE 24, 1924.

189,036. CERTAIN NAMED NOTIONS AND TRIMMINGS. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore and Cumberland, Md.
Filed August 13, 1920. Serial No. 136,051. PUBLISHED JUNE 24, 1924.

189,037. BISCUITS, CRACKERS, AND DUTCH-STYLE COOKIES. THE W. R. MONTAGUE COMPANY, La Crosse, Wis.
Filed July 29, 1922. Serial No. 167,579. PUBLISHED MAY 8, 1923.

189,038. FLOOR, DUSTING, OIL, WET, AND POLISHING MOPS. NATIONAL OIL AND SUPPLY COMPANY, Newark, N. J.
Filed January 10, 1923. Serial No. 174,406. PUBLISHED JUNE 24, 1924.

189,039. SOFT DRINKS. ORANGE CRUSH COMPANY, Chicago, Ill.
Filed March 17, 1923. Serial No. 177,616. PUBLISHED JUNE 24, 1924.

189,040. CHOCOLATE AND COCOA FOR COOKING AND BEVERAGE PURPOSES. D. GHIRARDELLI COMPANY, San Francisco, Calif.
Filed April 2, 1923. Serial No. 178,440. PUBLISHED JUNE 24, 1924.

189,041. GRAPE SODA WATER AND GRAPE JUICE. GRAPE-DEW COMPANY OF AMERICA, Atlanta, Ga.
Filed April 24, 1923. Serial No. 179,595. PUBLISHED JUNE 24, 1924.

189,042. SCRATCH FEED. UNIVERSAL MILLS, Fort Worth, Tex.
Filed August 2, 1923. Serial No. 184,008. PUBLISHED DECEMBER 25, 1923.

189,043. CIGARS, CIGARETTES, AND SMOKING TOBACCO. MOSS & LOWENHAUPT CIGAR CO., St. Louis, Mo.
Filed September 10, 1923. Serial No. 185,608. PUBLISHED JUNE 24, 1924.

189,044. BUTTER. MERRILL & ELDREDGE, Chicago, Ill.
Filed October 4, 1923. Serial No. 186,563. PUBLISHED JUNE 24, 1924.

189,045. COTTON PIECE GOODS. TURNER & WALLS, New York, N. Y.
Filed January 18, 1924. Serial No. 190,988. PUBLISHED JUNE 24, 1924.

189,046. COTTON PIECE GOODS. GARNER PRINT WORKS & BLEACHERY, New York, N. Y.
Filed January 19, 1924. Serial No. 191,014. PUBLISHED JUNE 24, 1924.

189,047. LETTER BOXES. JOHN A. JOHNSON, Minneapolis, Minn.
Filed January 26, 1924. Serial No. 191,322. PUBLISHED APRIL 22, 1924.

189,048. PRESERVED FISH. SANTIAGO LOPEZ BARREDO S. A., Santander, Spain.
Filed January 30, 1924. Serial No. 191,657. PUBLISHED JUNE 24, 1924.

189,049. KNITTED, WOVEN, AND BRAIDED ELASTIC NARROW FABRIC, BRAID, AND TAPE, AND NON-ELASTIC BRAID AND TAPE. MOORE FABRIC COMPANY, Pawtucket, R. I.
Filed February 25, 1924. Serial No 192,782. PUBLISHED JUNE 24, 1924.

189,050. PASTIME, PLAYGROUND, AND INDOOR BALLS. GEO. YOUNG & CO., Chicago, Ill.
Filed March 3, 1924. Serial No. 193,207. PUBLISHED JUNE 24, 1924.

189,051. SEWING-ACCESSORY STANDS — NAMELY, SPOOL HOLDERS WITH NEEDLE AND PIN CUSHIONS. MECHANICAL METAL STAMPING CO., INC., Brooklyn, N. Y.
Filed March 12, 1924. Serial No. 193,673. PUBLISHED JUNE 24, 1924.

189,052. STEAM HOSE AND AIR HOSE MADE OF A COMBINATION OF RUBBER, DUCK, AND COTTON BRAIDING. HAMILTON RUBBER MANUFACTURING COMPANY, Trenton, N. J.
Filed March 21, 1924. Serial No. 194,185. PUBLISHED JUNE 24, 1924.

189,053. HAMS. OMAHA PACKING COMPANY, Chicago, Ill.
Filed March 27, 1924. Serial No. 194,564. PUBLISHED JUNE 24, 1924.

189,054. PREPARED MINERAL FEED FOR ANIMALS. SHORES-MUELLER COMPANY, Cedar Rapids, Iowa.
Filed March 31, 1924. Serial No. 194,738. PUBLISHED JUNE 24, 1924.

189,055. THREADS. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo.
Filed January 30, 1922. Serial No. 158,635. PUBLISHED JULY 1, 1924.

189,056. CERTAIN FOOD PRODUCTS. SEE-MOON & COMPANY, Chicago, Ill.
Filed May 22, 1922. Serial No. 164,271. PUBLISHED SEPTEMBER 25, 1923.

189,057. LAUNDRY SOAP. LUCKEL, KING & CAKE SOAP COMPANY, Portland, Oreg.
Filed July 3, 1922. Serial No. 166,457. PUBLISHED JULY 3, 1923.

189,058. SOAPS. I. ROKEACH & SONS, INC., Brooklyn, N. Y.
Filed July 19, 1922. Serial No. 167,100. PUBLISHED MARCH 4, 1924.

189,059. FOOD-FLAVORING EXTRACTS AND FLAVORS. BLACKSTONE MANUFACTURING CO., Newark, N. J.
Filed October 10, 1922. Serial No. 170,518. PUBLISHED JULY 1, 1924.

189,060. CANDY. THE EUCLID CANDY CO., Cleveland, Ohio.
Filed October 11, 1922. Serial No. 170,570. PUBLISHED JULY 1, 1924.

189,061. DRESS SHIELDS. EMILE BOUTON, Paris, France.
Filed November 28, 1922. Serial No. 172,635. PUBLISHED JUNE 24, 1924.

189,062. FLAVORS AND FLAVORING EXTRACTS FOR USE IN MAKING CONFECTIONERY, ICE CREAM, ICES, CAKES, PASTRY, AND ICINGS. SPECIAL PRODUCTS LABORATORY, INC., O'Fallon, Ill.
Filed January 2, 1923. Serial No. 174,114. PUBLISHED JULY 1, 1924.

189,063. CANNED FRUITS AND VEGETABLES. MCKNIGHT-KEATON GROCERY CO., Cairo, Ill.
Filed March 17, 1923. Serial No. 177,612. PUBLISHED MAY 8, 1923.

189,064. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA R. L., Helsinki, Finland.
Filed March 23, 1923. Serial No. 177,928. PUBLISHED JULY 1, 1924.

189,065. SAFETY MATCHES. SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA R. L., Helsinki, Finland.
Filed March 23, 1923. Serial No. 177,929. PUBLISHED JULY 1, 1924.

189,066. SOFT DRINKS AND SIRUPS. THE MOXIE COMPANY, Portland, Me., and Boston, Mass.
Filed March 26, 1923. Serial No. 178,054. PUBLISHED JULY 1, 1924.

189,067. CANNED FRUITS AND VEGETABLES. LAWRENCE J. REID, Fort Morgan, Colo., assignor to Morgan Maid Canning Co., Fort Morgan, Colo.
Filed April 10, 1923. Serial No. 178,925. PUBLISHED JULY 1, 1924.

189,068. ANIMATED FIGURE TOYS. SELRITE PRODUCTS INC., New York, N. Y.
Filed April 27, 1923. Serial No. 179,825. PUBLISHED JULY 1, 1924.

189,069. NOUGAT BARS. NATIONAL NOUGAT COMPANY, New York, N. Y.
Filed May 26, 1923. Serial No. 181,205. PUBLISHED APRIL 8, 1924.

189,070. CANDY. SHULL CANDY COMPANY INC., Lancaster, Pa.
Filed September 26, 1923. Serial No. 186,251. PUBLISHED JULY 1, 1924.

189,071. REDUCING SOAP. PAUL LAJUGIE, Paris, France.
Filed November 1, 1923. Serial No. 187,824. PUBLISHED JANUARY 1, 1924.

189,072. CATHETERS. ERNST KALLMEYER, doing business as Phorosan G. m. b. H., Munich, Germany, and New York, N. Y.
Filed November 27, 1923. Serial No. 188,963. PUBLISHED APRIL 15, 1924.

189,073. CERTAIN BATH TOWELS, CLOTHS, AND RUGS. HOHLFELD MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 8, 1924. Serial No. 196,744. PUBLISHED JULY 1, 1924.

189,074. CANDY. ELFREDA KLADIVKO, Bayside, N. Y.
Filed December 21, 1923. Serial No. 189,980. PUBLISHED JULY 1, 1924.

189,075. SILK PIECE GOODS. PHILIP GALLUB, New York, N. Y.
Filed April 10, 1924. Serial No. 195,275. PUBLISHED JULY 1, 1924.

189,076. COFFEE. MERCHANTS WHOLESALE GROCERY COMPANY, INC., Philadelphia, Pa.
Filed April 8, 1924. Serial No. 195,177. PUBLISHED JULY 1, 1924.

189,077. PECTIN. ELMER A. RUTHSTROM, doing business as Earco, Seattle, Wash.
Filed April 3, 1924. Serial No. 194,948. PUBLISHED JULY 1, 1924.

189,078. WOOLEN GOODS IN THE PIECE. S. STEIN & CO., New York, N. Y.
Filed March 27, 1924. Serial No. 194,577. PUBLISHED MAY 27, 1924.

189,079. WOOLEN GOODS IN THE PIECE. S. STEIN & COMPANY, New York, N. Y.
Filed March 27, 1924. Serial No. 194,575. PUBLISHED JULY 1, 1924.

189,080. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,823. PUBLISHED JULY 1, 1924.

189,081. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,818. PUBLISHED JULY 1, 1924.

189,082. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,813. PUBLISHED JULY 1, 1924.

189,083. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed March 13, 1924. Serial No. 193,740. PUBLISHED JULY 1, 1924.

189,084. FRESH CITROUS FRUITS. SOUTH LAKE APOPKA CITRUS GROWERS ASSOCIATION, Oakland, Fla.
Filed March 11, 1924. Serial No. 193,632. PUBLISHED JULY 1, 1924.

189,085. CITROUS FRUITS—NAMELY, GRAPEFRUIT, ORANGES, AND TANGERINES IN THEIR NATURAL STATE. DR. P. PHILLIPS COMPANY, Orlando, Fla.
Filed March 11, 1924. Serial No. 193,624. PUBLISHED JULY 1, 1924.

189,086. COFFEES, TEAS, CHOCOLATES, BONBONS, AND COCOA. MANUEL M. DE PICABIA, New York, N. Y.
Filed March 6, 1924. Serial No. 193,326. PUBLISHED JULY 1, 1924.

189,087. DRIED RAISINS. FRED B. NEUHOFF COMPANY, San Francisco, Calif.
Filed February 29, 1924. Serial No. 193,061. PUBLISHED JULY 1, 1924.

189,088. SMOKING TOBACCO. J. & A. C. VAN ROSSEM, Rotterdam, Netherlands.
Filed February 6, 1924. Serial No. 191,929. PUBLISHED JUNE 24, 1924.

189,089. CONFECTIONS—NAMELY, CHOCOLATES. SCHWABACHER BROS. & CO. INC., Seattle, Wash.
Filed February 5, 1924. Serial No. 191,842. PUBLISHED JULY 1, 1924.

189,090. CERTAIN FANCY GOODS, FURNISHINGS, AND NOTIONS. SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUZAUD, CHOCOLAT DE ROYAT, "A LA MARQUISE DE SÉVIGNÉ," Royat, France.
Filed January 28, 1924. Serial No. 191,415. PUBLISHED JUNE 24, 1924.

189,091. LAXATIVE. THE THOMAS DOYLE CO., Hackensack, N. J., assignor to William R. Warner & Co., Inc., New York, N. Y., a Corporation of Delaware.
Filed January 16, 1924. Serial No. 190,875. PUBLISHED JUNE 3, 1924.

189,092. CERTAIN NAMED WOVEN FABRICS. WILLIAM RUMPF, doing business as Fred'k Rumpf's Sons, Langhorne, Pa.
Filed January 2, 1924. Serial No. 190,359. PUBLISHED JUNE 24, 1924.

189,093. PORK AND BEEF PRODUCTS. CHAS. HOLLINSHED CO., INC., New York, N. Y.
Filed January 2, 1924. Serial No. 190,341. PUBLISHED JULY 1, 1924.

189,094. CANNED FLAKED FISH, FRESH HADDOCK CUT INTO THE FORM OF FILLETS, AND FRESH HADDOCK CUT INTO THE FORM OF FILLETS WHICH ARE THEREAFTER SMOKED. CHESERRO BROTHERS & ROBBINS, INC., New York, N. Y.
Filed December 22, 1923. Serial No. 190,007. PUBLISHED JUNE 17, 1924.

189,095. WOOL-VELOUR COATING PIECE GOODS. C. BAHNSEN & CO., INC., New York, N. Y.
Filed May 9, 1924. Serial No. 196,787. PUBLISHED JULY 1, 1924.

189,096. COTTON PIECE GOODS. PELZER MANUFACTURING COMPANY, Boston, Mass.
Filed May 7, 1924. Serial No. 196,711. PUBLISHED JULY 1, 1924.

189,097. BABY EXERCISERS. WILLIAM F. HUDSON, Philadelphia, Pa.
Filed May 5, 1924. Serial No. 196,594. PUBLISHED JULY 1, 1924.

189,098. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed May 5, 1924. Serial No. 196,582. PUBLISHED JUNE 24, 1924.

189,099. GINGER ALE. ABRAHAM LA PIDES, doing business as Derby Ginger Ale Company, Inc., Baltimore, Md.
Filed May 3, 1924. Serial No. 196,529. PUBLISHED JULY 1, 1924.

189,100. CERTAIN NAMED TEXTILES. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed May 3, 1924. Serial No. 196,508. PUBLISHED JULY 1, 1924.

189,101. LENSES FOR HEADLIGHTS. PREMIER CAB SERVICE, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,475. PUBLISHED JUNE 24, 1924.

189,102. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed April 30, 1924. Serial No. 196,355. PUBLISHED JULY 1, 1924.

189,103. SKATES OR DEVICES FOR SKATING UPON SNOW. FAYFIELD KNOLL COMPANY, Buffalo, N. Y.
Filed April 29, 1924. Serial No. 196,297. PUBLISHED JULY 1, 1924.

189,104. CERTAIN KNITTED CLOTH AND FABRIC. ROYAL-ASCOT KNITTING MILLS COMPANY, Philadelphia, Pa.
Filed April 26, 1924. Serial No. 196,197. PUBLISHED JULY 1, 1924.

189,105. TEXTILE TOWELS AND TEA TOWELS. MINNIE MCELHERAN, Cheyenne, Wyo.
Filed April 26, 1924. Serial No. 196,178. PUBLISHED JULY 1, 1924.

189,106. CERTAIN NAMED TEXTILES. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed April 26, 1924. Serial No. 196,152. PUBLISHED JULY 1, 1924.

189,107. SILK GOODS IN THE PIECE AND SILK SHIRTINGS IN THE PIECE. DENVILLE SILK CO., New York, N. Y.
Filed April 25, 1924. Serial No. 196,106. PUBLISHED JULY 1, 1924.

189,108. DECORATIVE FABRICS MADE OF FIBROUS MATERIAL. H. F. WALLISER COMPANY, Chicago, Ill.
Filed April 24, 1924. Serial No. 196,090. PUBLISHED JULY 1, 1924.

189,109. CANDY. YE-NOH CANDY COMPANY, Pittsburgh, Pa.
Filed April 19, 1924. Serial No. 195,848. PUBLISHED JULY 1, 1924.

189,110. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & COMPANY, New York, N. Y.
Filed April 19, 1924. Serial No. 195,841. PUBLISHED JULY 1, 1924.

189,111. TOY BALLOONS. THE GOOD RUBBER COMPANY, Akron, Ohio.
Filed April 19, 1924. Serial No. 195,816. PUBLISHED JULY 1, 1924.

189,112. CANDY. COLLINS-HENCKE CANDY CO., San Francisco, Calif.
Filed April 19, 1924. Serial No. 195,803. PUBLISHED JULY 1, 1924.

189,113. CANDY. SCHALL'S, INC., Clinton, Iowa.
Filed April 18, 1924. Serial No. 195,777. PUBLISHED JULY 1, 1924.

189,114. SMOKING TOBACCO. P. J. CARROLL & COMPANY, LIMITED, Dundalk, Ireland.
Filed April 16, 1924. Serial No. 195,633. PUBLISHED JUNE 24, 1924.

189,115. WIDE ELASTIC FABRIC. LAWRENCE & CO., Poughkeepsie, N. Y.
Filed April 14, 1924. Serial No. 195,525. PUBLISHED JULY 1, 1924.

189,116. JAPANESE STRAW RUGS AND FIBER AND GRASS RUGS. THE S. KANN SONS COMPANY, Washington, D. C.
Filed April 14, 1924. Serial No. 195,522. PUBLISHED JULY 1, 1924.

189,117. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed April 11, 1924. Serial No. 195,423. PUBLISHED JULY 1, 1924.

189,118. BOTTLES OF GLASS WITH ORNAMENTAL CAPS. ALFRED H. SMITH CO. INC., New York, N. Y.
Filed April 11, 1924. Serial No. 195,420. PUBLISHED JULY 1, 1924.

189,119. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,391. PUBLISHED JULY 1, 1924.

189,120. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,389. PUBLISHED JULY 1, 1924.

189,121. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,387. PUBLISHED JULY 1, 1924.

189,122. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,385. PUBLISHED JULY 1, 1924.

189,123. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,357. PUBLISHED JULY 1, 1924.

189,124. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,354. PUBLISHED JULY 1, 1924.

189,125. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,353. PUBLISHED JULY 1, 1924.

189,126. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,348. PUBLISHED JULY 1, 1924.

189,127. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,342. PUBLISHED JULY 1, 1924.

189,128. [WITHDRAWN.]

189,129. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed April 10, 1924. Serial No. 195,312. PUBLISHED JULY 1, 1924.

189,130. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & COMPANY, New York, N. Y.
Filed April 10, 1924. Serial No. 195,311. PUBLISHED JULY 1, 1924.

189,131. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed April 10, 1924. Serial No. 195,310. PUBLISHED JULY 1, 1924.

189,132. WOOLEN BLANKETS. JAMES A. HEARN & SON INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,282. PUBLISHED JULY 1, 1924.

189,133. SILK PIECE GOODS. PHILIP GALLER, New York, N. Y.
Filed April 10, 1924. Serial No. 195,276. PUBLISHED JULY 1, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

189,134. (CLASS 32. FURNITURE AND UPHOLSTERY.) KROEHLER MFG. CO., Chicago, Ill. Filed May 7, 1923. Serial No. 180,287.

KROEHLER
— MADE —

Particular description of goods.—Household Chairs, Davenports, and Davenport Beds.
Claims use since Aug. 10, 1922.

189,135. (CLASS 32. FURNITURE AND UPHOLSTERY.) HERZ BED COMPANY, Chicago, Ill. Filed May 5, 1923. Serial No. 180,220.

HERZ

Particular description of goods.—Bedsteads, Day Beds, Couches and Couch Hammocks, Bed Springs, and Bed-Spring Mattresses.
Claims use since February, 1922.

189,136. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FREDERICK D. LUDLOW, doing business as Ludlow Laboratories, Chicago, Ill. Filed June 16, 1924. Serial No. 198,655.

Quik

Particular description of goods.—All-Metal Polish and All-Metal Polishing Cloths.
Claims use since February, 1923.

189,137. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERLIN, MORELL & CO., New York, N. Y. Filed Apr. 3, 1924. Serial No. 194,900.

ABINGTON - FABRIC
PURE WOOL
BM Co
GUARANTEED
BERLIN - MORELL & Co.

Particular description of goods.—Woolen Piece Goods.
Claims use since on or about Aug. 1, 1923.

189,138. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INTERNATIONAL WORSTED MILLS, Methuen, Mass. Filed Jan. 9, 1924. Serial No. 190,593.

WRINKLE-PROOF

Particular description of goods.—Worsted Piece Goods.
Claims use since Aug. 3, 1923.

189,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INTERNATIONAL WORSTED MILLS, Methuen, Mass. Filed Jan. 9, 1924. Serial No. 190,592.

NEVER-WRINKLE

Particular description of goods.—Worsted Piece Goods.
Claims use since Aug. 3, 1923.

189,140. (CLASS 39. CLOTHING.) DAVID D. DONIGER & Co. INC., New York, N. Y. Filed Nov. 10, 1923. Serial No. 188,874.

Real McGregor Sportswear

Particular description of goods.—Golf Suits, Golf Coats, Golf Hose, and Sweaters.
Claims use since about Feb. 1, 1923.

189,141. (CLASS 32. FURNITURE AND UPHOLSTERY.) HERZ BED COMPANY, Chicago, Ill. Filed May 5, 1923. Serial No. 180,219.

HERZ

Particular description of goods.—Bedsteads, Day Beds, Couches and Couch Hammocks, Bed Springs, and Bed-Spring Mattresses.
Claims use since February, 1922.

189,142. (CLASS 43. THREAD AND YARN.) JOHN F. STREET & Co., Providence, R. I. Filed Mar. 29, 1923. Serial No. 178,299.

PEERLESS

Particular description of goods.—Cotton Yarns.
Claims use since on or about Aug. 15, 1922.

189,143. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 163,044.

Hibbard

Particular description of goods.—Sliding T Bevels, Micrometer Calipers, Dividing Calipers, Level Glasses, Plumbs, Levels, Chalk Lines, Board Rules, Boxwood Rules, Brass Rules, Caliper Rules, Combination Rules, Extension Rules, Zigzag Rules, Measuring Tapes, Pit Scales, Pitless Scales, Truck Scales, Platform Scales, Bathroom Scales, Postal Scales, Parcel-Post Scales, Counter Scales, Confectionery Scales, Family Scales, Butcher Balances, Fruit and Vegetable Scales, Wing Dividers, and Plumb Bobs.
Claims use since Jan. 15, 1922.

189,144. (CLASS 7. CORDAGE.) THE PIONEER COTTON MILLS, Guthrie, Okla. Filed June 30, 1924. Serial No. 199,388.

SANTA FE

Particular description of goods.—Cotton Twine, Cotton Cord, and Rope.
Claims use since March, 1906.

189,145. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ESSEX RUBBER COMPANY, INC., Trenton, N. J. Filed July 16, 1924. Serial No. 200,101.

ESSEX

Particular description of goods.—Tank Balls.
Claims use since 1920.

189,146. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EPHRAIM SANITARY CANNING CO., Ephraim, Utah. Filed June 24, 1924. Serial No. 199,052.

LIKE FRESH

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Mar. 15, 1923.

189,147. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRANVILLE A. BEALS, doing business as The Greenwich Mills, East Greenwich, R. I. Filed June 24, 1924. Serial No. 199,032.

GREENWICH WORSTEDS

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 1, 1918.

189,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY AND COMPANY, Indianapolis, Ind. Filed June 21, 1924. Serial No. 198,949.

ELI LILLY AND COMPANY

Particular description of goods.—Biological Preparations for Use in Medicinal Tests, Inoculations, and Treatment of Diseases—Namely, Antitoxins, Serums, Bacterial Vaccines, Vaccine Virus, Rabies Virus, Tuberculins, Culture Media, and Analogous Biological Products.
Claims use since Mar. 1, 1914.

189,149. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924. Serial No. 198,119.

SERVICE

Particular description of goods.—Stockmen's Bed Sheets.
Claims use since Feb. 15, 1923.

189,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BELL CANNING COMPANY, Waterloo and Grundy Center, Iowa. Filed June 4, 1924. Serial No. 198,042.

BELL'S

Particular description of goods.—Canned Vegetables.
Claims use since Oct. 1, 1922.

189,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NUGAS CORPORATION, Greenwich, Conn. Filed Apr. 18, 1924. Serial No. 195,758.

NUGAS

Particular description of goods.—Gas for Heating and Illuminating Purposes.
Claims use since July, 1922.

189,152. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed Apr. 8, 1924. Serial No. 195,155.

Columbia

Particular description of goods.—Shade Cloth, Sign Cloth, Tape Cloth, Map Cloth, and Casket Cloth in the Piece and Lace Curtains Finished and in the Piece.
Claims use since 1896.

189,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES G. SUMMERS JR. INCORPORATED, Baltimore, Md., and New Freedom, Pa. Filed Mar. 25, 1924. Serial No. 194,421.

SUPERFINE

Particular description of goods.—Canned Fruits, Vegetables, and Fish.
Claims use since Feb. 21, 1923.

189,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUG CO., New York, N. Y. Filed Mar. 8, 1924. Serial No. 193,437.

FERRO SANG

Particular description of goods.—Medicinal Tonics.
Claims use since May 15, 1921.

189,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EVER READY CHOCOLATE CO., Rochester, N. Y. Filed May 1, 1923. Serial No. 179,996.

EVER READY

Particular description of goods.—Prepared Chocolate for Food and Beverage Purposes.
Claims use since Apr. 7, 1909.

189,156. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Apr. 4, 1923. Serial No. 178,582.

BALM PERTUSSIS (UPJOHN)

Particular description of goods.—Remedy for Whooping Cough.
Claims use since Jan. 14, 1915.

LABELS

REGISTERED SEPTEMBER 9, 1924.

27,807.—*Title:* ANTIPERTUSSES. For a Medicine for Whooping Cough. JAMES W. BOURKE, Baltimore, Md. Published July 17, 1924.

27,808.—*Title:* CALIFORNIA FIG BREAD. For Bread. CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif. Published January 2, 1923.

27,809.—*Title:* GUDNIKEL. For Candy. EDGAR H. DU BOIS, doing business as The Great Swiss Candy Mfg. Co., Chicago, Ill. Published July 17, 1924.

27,810.—*Title:* TEDDY'S CHOCOLATE COVERED PEANUT BRITTLE. For a Chocolate-Covered Peanut Brittle. THERESA FRITSCH, Oakland, Calif. Published April 2, 1924.

27,811.—*Title:* BESJET. For an Automobile Enamel in Black and in Colors and Also a Top and Seat Dressing. THE GILBERT SPRUANCE COMPANY, Philadelphia, Pa. Published August 1, 1924.

27,812.—*Title:* HALL'S STRAY-MOLL. For Ointment. J. W. H. HUGHES, Monroe, Ga. Published August 1, 1924.

27,813.—*Title:* STONE MOUNTAIN. For Cigars. THE KALTREIDER CIGAR COMPANY, Red Lion, Pa. Published July 3, 1924.

27,814.—*Title:* THE UNIVERSAL KIND-KATZ. For Service Pants. SOL. W. KATZ & COMPANY, Philadelphia, Pa. Published July 9, 1924.

27,815.—*Title:* ZEP. For Cereal Breakfast Food. KELLOGG'S PEP & ZEP PRODUCTS, INC., New York, N. Y. Published June 21, 1922.

27,816.—*Title:* SAMPLE PEP-O-MINT LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,817.—*Title:* SAMPLE LIC-O-RICE LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,818.—*Title:* SAMPLE VI-O-LET LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,819.—*Title:* SAMPLE WINT-O-GREEN LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,820.—*Title:* SAMPLE CL-O-VE LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,821.—*Title:* SAMPLE CINN-O-MON LIFE SAVERS. For Candies. LIFE SAVERS, INC., Port Chester, N. Y. Published August 4, 1924.

27,822.—*Title:* LION BRAND OLIVE OIL. For Olive Oil. JOSEPH DELLA MONICA, Brooklyn, N. Y. Published June 1, 1924.

27,823.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1924.

27,824.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1924.

27,825.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1924.

27,826.—*Title:* EVEREADY RADIO "C" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1924.

27,827.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published July 1, 1924.

27,828.—*Title:* FARMER & WORKMAN OVERALLS. For Overalls. M. N. PADWAY, doing business as M. N. Padway & Company, Milwaukee, Wis. Published June 1, 1924.

27,829.—*Title:* FARMER & WORKMAN OVERALLS. For Overalls. M. N. PADWAY, doing business as M. N. Padway & Company, Milwaukee, Wis. Published June 1, 1924.

27,830.—*Title:* NO. 3 KNAPP CASTING GOLD. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. PATTERSON DENTAL SUPPLY COMPANY, St. Paul, Minn. Published July 31, 1924.

27,831.—*Title:* NO. 4 KNAPP CASTING GOLD. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. PATTERSON DENTAL SUPPLY COMPANY, St. Paul, Minn. Published July 31, 1924.

27,832.—*Title:* NO. 2 KNAPP CASTING GOLD. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. PATTERSON DENTAL SUPPLY COMPANY, St. Paul, Minn. Published July 31, 1924.

27,833.—*Title:* NO. 1 KNAPP CASTING GOLD. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. PATTERSON DENTAL SUPPLY COMPANY, St. Paul, Minn. Published July 23, 1924.

27,834.—*Title:* SUPER-HEAD LETTUCE. For Lettuce. EDWARD L. SAISSELIN, Oswego, N. Y. Published July 16, 1924.

27,835.—*Title:* BE GOOD TO THE FISH—DON'T TEAR THEIR MOUTHS. For Fish-Mouth Openers and Holders. HILBERT C. SCHWARTZ, doing business as Heinie's Tackle Box, Park Rapids, Minn. Published July 31, 1924.

27,836.—*Title:* WORMOLENE. For a Hog Remedy. A. L. SEVERIN, Albert Lea, Minn. Published July 3, 1924.

27,837.—*Title:* ACARICIDE. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. GEORGE S. SMYTH, doing business as Acaricide Laboratories, Chicago, Ill. Published May 22, 1924.

27,838.—*Title:* VAGASAN. For a Sanitary Douche Powder to be Used as an Antiseptic, Germicide, Astringent, Deodorant. VAGASAN COMPOUNDING COMPANY, Tulsa, Okla. Published July 1, 1924.

27,839.—*Title:* DR. WERNET'S POWDER. For Powder to Hold False Teeth Firmly in Place. WERNET DENTAL MFG. CO., INC., New York, N. Y. Published July 1, 1924.

PRINTS

REGISTERED SEPTEMBER 9, 1924.

7,579.—*Title:* EDISON MAZDA LAMPS. For Mazda Lamps. EDISON LAMP WORKS OF GENERAL ELECTRIC CO., Harrison, N. J. Published June 19, 1924.

7,580.—*Title:* INK-OUT. For Ink Eradicators. INK-OUT MFG. CO., INC., Montclair, N. J. Published March 27, 1924.

7,581.—*Title:* INWOOD. For Ladies' Ready-to-Wear Clothing. NEIMAN-MARCUS COMPANY, Dallas, Tex. Published May 23, 1924.

7,582.—*Title:* NIFTY JIFFY SELF SERVICE GROCERY SYSTEM. For the Fixtures, Showcases, Shelves, Turnstile, Railings, and Other Equipment of Self-Service Stores. NIFTY-JIFFY CORPORATION, Atlanta, Ga. Published June 20, 1924.

7,583.—*Title:* ACARICIDE. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. GEORGE S. SMYTH, doing business as Acaricide Laboratories, Chicago, Ill. Published May 22, 1924.

REISSUES

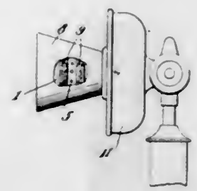
SEPTEMBER 9, 1924.

15,910. CHILD'S AND LADY'S GARMENT. ANNE COLLINS BERRY, New York, N. Y. Filed Sept. 14, 1921. Serial No. 500,720. Original No. 1,369,761, dated Feb. 22, 1921, Serial No. 81,297, filed Feb. 29, 1916. Renewed July 20, 1920. Serial No. 397,705. 10 Claims. (Cl. 2—71.)



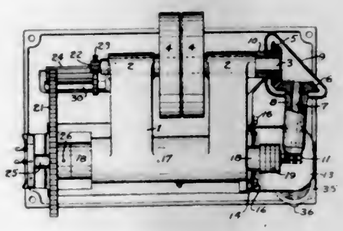
1. A garment, comprising a skirt and bloomer legs, the bloomer legs being integral with the skirt and the lower end of the skirt formed by folding the intermediate portion of the garment on a curved line to form a circular tuck or hem which extends entirely around the skirt and overhangs the upper portion of the bloomer legs in spaced relation thereto.

15,911. SANITARY MOUTHPIECE. NATHAN GELB, Newark, N. J. Filed Aug. 11, 1923. Serial No. 656,906. Original No. 1,425,958, dated Aug. 15, 1922, Serial No. 543,870, filed Mar. 15, 1922. 4 Claims. (Cl. 179—185.)



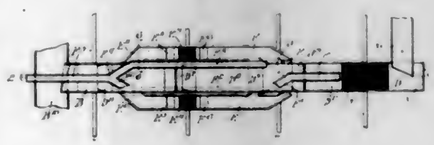
1. A sanitary mouthpiece, comprising a mouthpiece-body adapted to be attached to a telephone, or the like, said mouth-piece having a pair of externally screw-threaded portions, a member in the form of a jacket surrounding said mouthpiece-body so as to provide an annular space between said mouthpiece-body and the said jacket, said jacket having an internally screw-threaded portion screwed upon one of the externally screw-threaded portions of the mouth-piece, and an absorbent material disposed in said space, said material being adapted to be impregnated with a disinfectant material, or the like.

15,912. HOBBING MACHINE. KARL L. HEERMANN, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Jan. 9, 1924. Serial No. 685,281. Original No. 1,444,247, dated Feb. 6, 1923, Serial No. 554,060, filed Apr. 17, 1922. 26 Claims. (Cl. 90—4.)



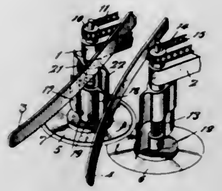
1. In a machine of the class described, the combination of a generating tool spindle and a work carrying spindle one of which is longitudinally movable angularly across the axis of the other, a stationary support in which said work carrying spindle is journalled, means for driving said spindles simultaneously in timeed relation to each other, and means including a non-rotatable member and a member rigid with said longitudinally movable spindle for moving the latter longitudinally.

15,913. PICKING SCREEN. ROBERT WILLIAM JOHNSON, deceased, late of Pittsburgh, Pa., by Roberts and Schaefer Company, Chicago, Ill., assignee. Filed Feb. 13, 1924. Serial No. 692,598. Original No. 1,431,667, dated Oct. 10, 1922, Serial No. 543,143, filed Mar. 13, 1922. 3 Claims. (Cl. 83—56.)



1. A reciprocating screen comprising a central section extending substantially from end to end of the screen and a plurality of side sections adapted to be supplied with material therefrom.

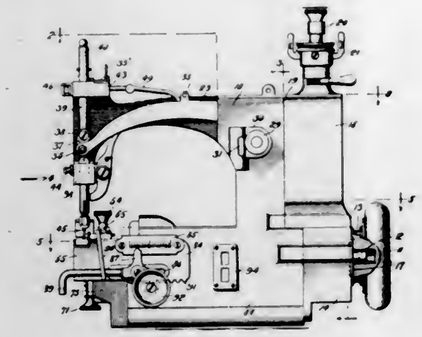
15,914. TRASH IMPELLER. GEORGE D. LUCE, Watertown, Wis., assignor to Luce Cane Harvester Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1919. Serial No. 328,065. Original No. 1,207,580, dated Dec. 5, 1916, Serial No. 108,176, filed July 8, 1916. 26 Claims. (Cl. 56—96.)



1. In combination, in a machine designed to be operated in a region containing refuse or trash, an exposed shaft and a two-part horizontally divided trash impeller therefor.

21. In combination, in a machine of the character described, an upright rotary shaft, a disc cutter mounted on the lower end of said shaft and a trash impeller on said shaft comprising fins or blades projecting in opposite directions therefrom above said disc cutter, the radial length of said fins or blades being less than the radius of said disc cutter.

15,915. SELF-LUBRICATING DUSTPROOF SEWING MACHINE. PHILIP STEINBOCK, Amityville, N. Y., assignor to Steinbock Sewing Machine Corporation, New York, N. Y., a Corporation of New York. Filed May 23, 1923. Serial No. 641,025. Original No. 1,380,120, dated May 31, 1921, Serial No. 384,027, filed May 25, 1920. 12 Claims. (Cl. 112—256.)

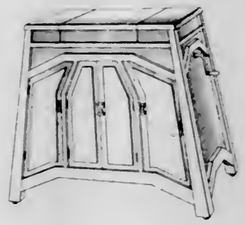


1. In a sewing machine of the character described, the combination of a pitman, an oil receptacle, a split-bearing for the pitman of the machine having an opening, and a wick entering the opening in said bearing and extending with its free end into said oil chamber, and means for guiding said wick intermediate its ends.

DESIGNS

SEPTEMBER 9, 1924.

65,552. COMBINED PHONOGRAPH AND RADIO CABINET. JACOB H. WEBER, New York, N. Y. Filed Jan. 19, 1924. Serial No. 8,358. Term of patent 14 years.



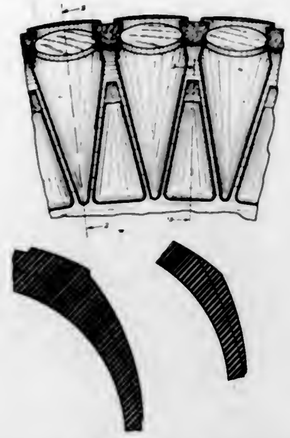
The ornamental design for a combined phonograph and radio cabinet, as shown.

65,553. SPRAY TUBE FOR POWDER. FRIEDRICH WILHELM WINTER, Vienna, Austria. Filed July 15, 1924. Serial No. 10,159. Term of patent 7 years.



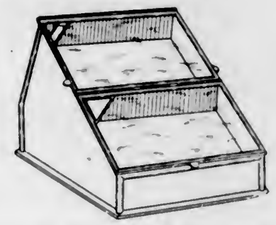
The ornamental design for a spray tube for powder, as shown.

65,554. TIRE. CHASE W. WOLFE, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 16, 1922. Serial No. 3,984. Term of patent 14 years.



The ornamental design for a tire substantially as shown.

65,555. ADVERTISING AND VENDING CABINET. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 30, 1922. Serial No. 3,596. Term of patent 7 years.



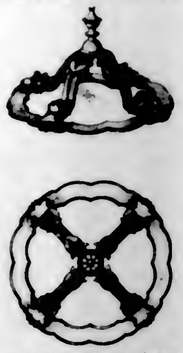
The ornamental design for advertising and vending cabinet as shown.

65,556. BRACE MEMBER FOR FURNITURE OR SIMILAR ARTICLES. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,911. Term of patent 7 years.



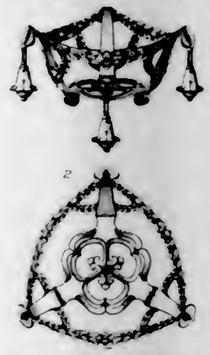
The ornamental design for brace member for furniture or similar articles, as shown.

65,557. BASE FOR A PEDESTAL OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,913. Term of patent 7 years.



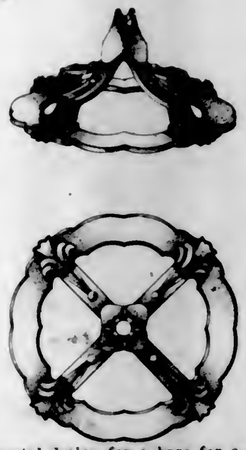
The ornamental design for a base for a pedestal or similar article, as shown.

65,558. TOP FOR A PEDESTAL OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,914. Term of patent 7 years.



The ornamental design for a top for a pedestal or similar article, as shown.

65,559. BASE FOR A LAMP PEDESTAL OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,915. Term of patent 7 years.



The ornamental design for a base for a lamp pedestal or similar article, as shown.

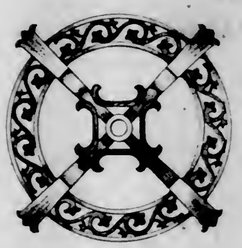
65,560. BRACKET FOR LAMP AND LIKE STANDS. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,916. Term of patent 7 years.



The ornamental design for bracket for lamp and like stands, as shown.

65,561. PEDESTAL OR SIMILAR ARTICLE. LESLIE H. BURLIN, Chicago, Ill. Filed June 19, 1924. Serial No. 9,917. Term of patent 14 years.





The ornamental design for a pedestal or similar article as shown.

65,562. BUREAU. PETER DE VRIES, Los Angeles, Calif., assignor to C. B. Van Vorst Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 10, 1921. Serial No. 491,282. Term of patent 3½ years.



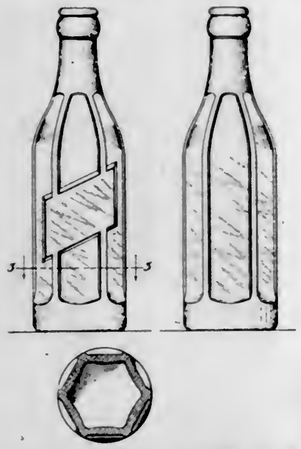
The ornamental design for a bureau, as shown.

65,563. FLAG. JAMES K. DUFFY, New York, N. Y., assignor to Caribbean Fruit Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1923. Serial No. 5,906. Term of patent 7 years.



The ornamental design for a flag substantially as shown and described.

65,564. BOTTLE. MAX GLAZER, Dallas, Tex. Filed June 11, 1923. Serial No. 6,461. Term of patent 3½ years.



The ornamental design for a bottle, as shown.

65,565. BALL. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 17, 1924. Serial No. 8,959. Term of patent 14 years.



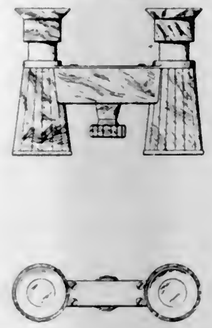
The ornamental design for a ball, as shown.

65,566. BALL. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 17, 1924. Serial No. 8,960. Term of patent 14 years.



The ornamental design for a ball, as shown.

65,567. OPERA GLASS OR SIMILAR ARTICLE. ADOLF HAHN, Far Rockaway, N. Y. Filed Apr. 29, 1924. Serial No. 9,437. Term of patent 7 years.



The ornamental design for an opera glass or similar article as shown.

65,568. LIGHTING UNIT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 14, 1924. Serial No. 10,144. Term of patent 14 years.



The ornamental design for a lighting unit as shown.

65,569. LIGHTING UNIT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 14, 1924. Serial No. 10,145. Term of patent 14 years.



The ornamental design for a lighting unit as shown.

65,570. JOKER FOR A PLAYING CARD. STANLEY F. HANZEL, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 7,985. Term of patent 14 years.



The ornamental design for a joker for a playing card, as shown.

65,571. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,964. Term of patent 7 years.



The ornamental design for a ring, as shown.

65,572. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,965. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,573. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,966. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,574. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,967. Term of patent 7 years.

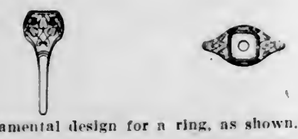




The ornamental design for a ring, as shown.

65,575. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,968. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,576. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,969. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,577. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,970. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,578. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,971. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,579. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,972. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,580. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,973. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,581. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,974. Term of patent 7 years.





The ornamental design for a ring, as shown.

65,582. RING. HARRY G. KAUFMAN, New York, N. Y. Filed June 25, 1924. Serial No. 9,975. Term of patent 7 years.



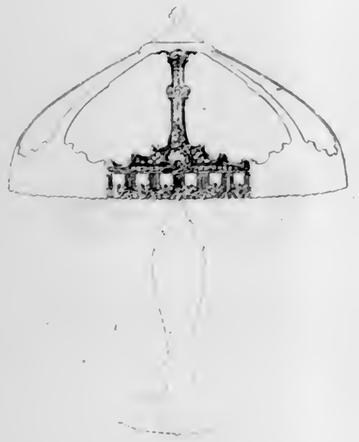
The ornamental design for a ring, as shown.

65,583. SPOON OR SIMILAR ARTICLE. MURRAY B. LEETE, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Jan. 16, 1924. Serial No. 8,325. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

65,584. FRAME FOR LAMP SHADES. ABEL MAGUI, New York, N. Y., assignor to Royal Art Glass Co., a Corporation of New York. Filed July 9, 1924. Serial No. 10,099. Term of patent 3½ years.



The ornamental design for a frame for lamp shades substantially as shown and described.

65,585. SPINDLE FOR LAMPS, LIGHTING FIXTURES, OR SIMILAR ARTICLES. ABEL MAGUI, New York, N. Y., assignor to Royal Art Glass Co., a Corporation of New York. Filed July 9, 1924. Serial No. 10,100. Term of patent 3½ years.



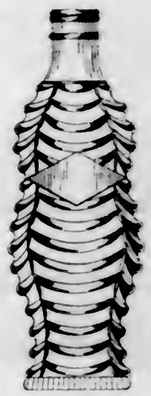
The ornamental design for a spindle for lamps, lighting fixtures, or similar articles substantially as shown.

65,586. BASE FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. ABEL MAGUI, New York, N. Y., assignor to Royal Art Glass Co., a Corporation of New York. Filed July 9, 1924. Serial No. 10,101. Term of patent 3½ years.



The ornamental design for a base for lighting fixtures or similar articles substantially as shown and described.

65,587. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,610. Term of patent 14 years.



The ornamental design for a bottle as shown.

65,588. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,615. Term of patent 14 years.



The ornamental design for a bottle, as shown.

65,589. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,620. Term of patent 14 years.



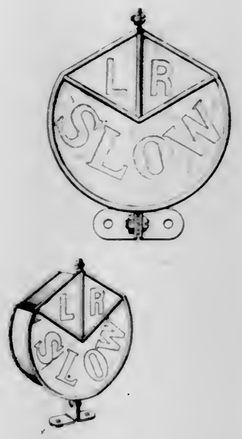
The ornamental design for a bottle as shown.

65,590. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed June 29, 1923. Serial No. 6,621. Term of patent 14 years.



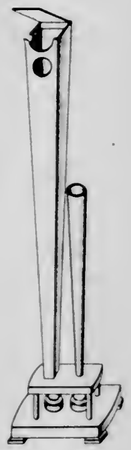
The ornamental design for a bottle, as shown.

65,591. AUTOMOBILE SIGNAL LAMP. CHARLES O. MATHEWS, Devon, Conn. Filed Feb. 14, 1924. Serial No. 8,637. Term of patent 3½ years.



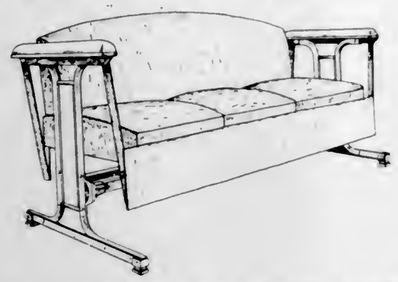
The ornamental design for an automobile signal lamp, as shown.

65,592. SOUND AMPLIFIER. LEONARD D. MORRIS, Chicago, Ill. Filed May 12, 1924. Serial No. 9,562. Term of patent 7 years.



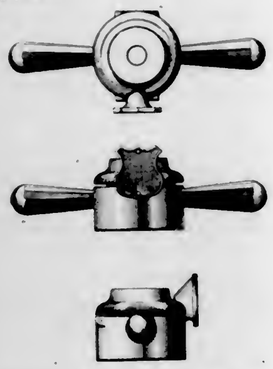
The ornamental design for a sound amplifier, as shown.

65,593. COUCH, DIVAN, OR SIMILAR ARTICLE. HARRY MINTZ, Mattapan, Mass. Filed June 14, 1924. Serial No. 9,876. Term of patent 3½ years.



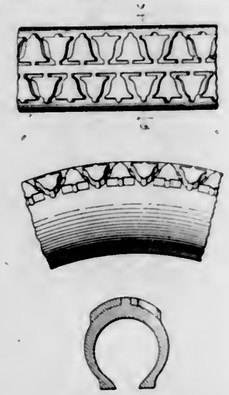
The ornamental design for a couch, divan, or similar article, substantially as shown.

65,594. RADIATOR CAP. CHARLES S. PRICE, Bethlehem, Pa. Filed May 20, 1924. Serial No. 9,662. Term of patent 3½ years.



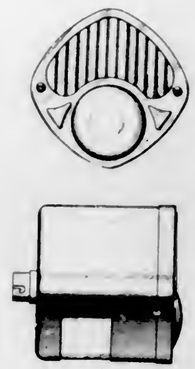
The ornamental design for a radiator cap, as shown.

65,595. TIRE TREAD. FRANK E. RUTLAND, Los Angeles, Calif., assignor to Pacific Coast Tire and Rubber Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 14, 1921. Serial No. 522,406. Term of patent 3½ years.



The ornamental design for a tire tread as shown.

65,596. COMBINATION TAIL AND STOP LAMP. PAUL A. STOVER, Racine, Wis., assignor to The Stover Signal Engineering Company, Racine, Wis., a Corporation of Delaware. Filed May 29, 1924. Serial No. 9,736. Term of patent 14 years.



The ornamental design for a combination tail and stop lamp as shown.

65,597. LOUD-SPEAKING DEVICE. JOHN S. TIMMONS, Philadelphia, Pa., assignor to Timmons Talker, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 5, 1924. Serial No. 10,052. Term of patent 14 years.



The ornamental design for a loud-speaking device, as shown.

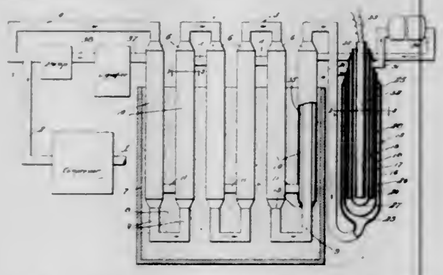
PATENTS

GRANTED SEPTEMBER 9, 1924.

1,507,559. METHOD OF MANUFACTURING WHITE SULPHITE CELLULOSE FROM RESINOUS WOODS. HARRY ALFTHAN, Mantta, Finland, assignor to G. A. Serlachius Aktiebolaget, Mantta, Finland, a Corporation of Finland. Filed Oct. 18, 1923. Serial No. 669,301. 4 Claims. (Cl. 92—11.)

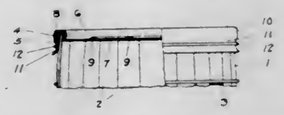
1. Method of manufacturing white sulphite cellulose from fir and similar resinous woods, comprising preparing a lye containing in solution calcium bisulphite, a sodium salt and free sulfurous acid, and performing the boiling operation with said lye at a pressure of about 5 to 6 atmospheres and an end temperature of about 130 to 150° C.

1,507,560. PROCESS AND APPARATUS FOR SYNTHESIZING AMMONIA. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Providence, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Oct. 5, 1921. Serial No. 505,507. 14 Claims. (Cl. 23—21.)



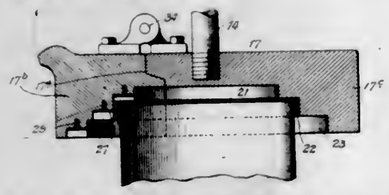
8. The process of synthesizing ammonia by continuously passing a mixture of nitrogen and hydrogen gases through a system including a synthesizing chamber and into contact with a catalytic agent contained in said chamber which comprises, bringing the incoming and outgoing gases to and from the synthesizing chamber into heat exchanging relation, and further raising the temperature of the incoming gases after they have passed heat exchanging relation with the outgoing gases and before their entry into the synthesizing chamber.

1,507,561. CLOSURE FOR BARRELS AND THE LIKE. EDWARD E. ARNOLD, Coventry, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed June 14, 1923. Serial No. 645,328. 6 Claims. (Cl. 217—89.)



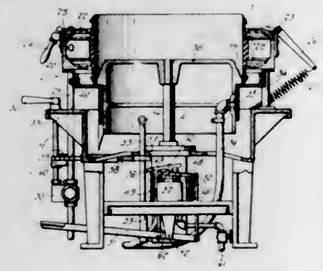
1. The combination with a barrel provided with a circular depression upon the outer surface thereof located adjacent to the open end of the barrel, a closure adapted to cover the open end of the barrel and having an edge portion extending over the depression in the outer surface of the barrel, and means for drawing the edge portion of the closure within the depression to hold the closure against removal.

1,507,562. CAN OPENER. LELAND A. BABCOCK, Oak Park, Ill. Filed Oct. 29, 1919. Serial No. 334,293. 3 Claims. (Cl. 30—3.)



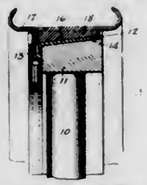
1. In a can-opener, the combination of a cutter-head having a socket to receive and fitting over one end of a can and formed of movably connected sections, and a blade carried by one of the sections and adapted to penetrate and cut the side of a can.

1,507,563. METHOD AND APPARATUS FOR MANUFACTURING TIRE CASINGS. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Aug. 8, 1923. Serial No. 656,382. 32 Claims. (Cl. 154—10.)



1. That method of manufacturing tire casings for motor vehicles which consists in, building a laminated pulley-band of strain-resisting-elements and rubber composition, shaping the band to approximately tire form, externally holding the band in approximately tire form with its inner periphery unobstructed, introducing a fluid pressure container into the casing to sustain it shaped, enclosing the casing in external molding members, and finally vulcanizing the casing with fluid under pressure within the container.

1,507,564. DETACHABLE RIM. PERRY M. ADEN, Valley Park, Miss. Filed Feb. 26, 1923. Serial No. 621,366. 3 Claims. (Cl. 301—26.)



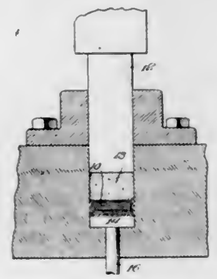
1. A device of the character described comprising a rim having a plurality of lugs, a wheel adapted to receive said rim and having notches adapted to receive

said lugs, a channel member carried by the wheel, a clamping ring adapted for movement circumferentially of said channel member for retaining the rim on the wheel, and means for preventing movement of said clamping ring, said means comprising a bolt passing through the walls of the channel member and adapted to clamp the walls of said channel member about the clamping ring.

1,507,565. PROCESS FOR THE PREPARATION OF SACCHARIN. JEAN ALTWEGG and JEAN COLLARDEAU, Lyon, France, assignors to Societe Chimique des Usines du Rhone (Anciennement Gilliard P. Monnet et Cartier), Paris, France. Filed Feb. 24, 1921. Serial No. 447,566. 2 Claims. (Cl. 260—126.)

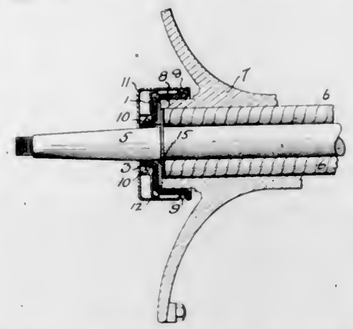
1. A process of manufacture of saccharin consisting in the oxidation of ortho-toluene-sulphamide by a mixture of sulphuric acid of more than 50% concentration with chromic acid in the presence of a compound of the ferro-chrome-manganese group.

1,507,566. COMMUTATOR BRUSH AND METHOD OF MAKING IT. VINCENT G. APPLE, Dayton, Ohio. Filed Sept. 27, 1920. Serial No. 413,217. 9 Claims. (Cl. 171—325.)



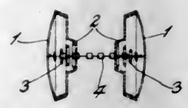
6. The method of making a commutator brush which consists in rolling a strip of reticulate sheet metal into cylindrical form; compacting the cylinder into rectangular form and coincidentally forcing graphite, incorporated with a binder, into the voids in the metal strip.

1,507,567. GREASE RETAINER FOR AXLE HOUSINGS. CARL ASCHENBACH, North Plainfield, N. J. Filed Mar. 15, 1923. Serial No. 625,332. 4 Claims. (Cl. 286—7.)



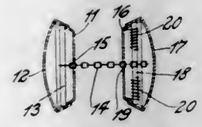
1. A device of the class described comprising a pliable cup washer having its periphery in the shape of a flaring annular flange adapted for passing over an axle housing and provided with a reduced portion in the shape of an angular flange having a central opening for passing over an axle spindle, contractile means for both the large and small flanges.

1,507,568. CUFF BUTTON. ALLAN H. BACON, St. Louis, Mo. Filed Nov. 9, 1923. Serial No. 673,712. 3 Claims. (Cl. 24—102.)



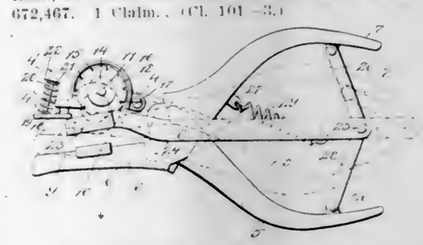
1. A cuff button comprising a pair of hollow button members, a spring enclosed in each of said button members, and a flexible connection uniting said springs.

1,507,569. CUFF BUTTON. ALLAN H. BACON, St. Louis, Mo. Filed Nov. 9, 1923. Serial No. 673,713. 5 Claims. (Cl. 24—102.)



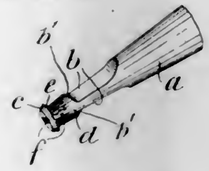
1. A cuff button comprising a pair of button members, a spring enclosed within one of said button members, and a flexible connection from said spring to the other button member.

1,507,570. VALIDATING TICKET PUNCH. JAMES S. BALL, St. Louis, Mo. Filed Nov. 3, 1923. Serial No. 672,467. 1 Claim. (Cl. 101—3.)



A punch comprising an upper and lower jaw pivotally secured together, printing means secured to one of said jaws, a bifurcated arm enveloping said jaws on two opposite sides, an inking pad secured near one extremity of said arm, the other end rotatively secured to links at its other end, said links secured at their loose ends to the extensions of said jaws, a spring secured to one of said jaws at one end and to said bifurcated arm at the other, in order to normally hold said jaws in an open position.

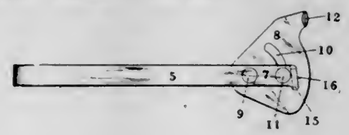
1,507,571. MOUTHPIECE OF TOBACCO PIPES, AND CIGAR AND CIGARETTE HOLDERS OR TUBES. MONTAGUE HENRY BARLING, Camden Town, London, England. Filed Dec. 14, 1922. Serial No. 606,938. 2 Claims. (Cl. 131—12.)



1. A mouthpiece for tobacco pipes, cigar and cigarette holders, having a flange portion at its outer end and a short bite portion of usual thickness immediately adjacent hereto and having lip engaging recesses on the top

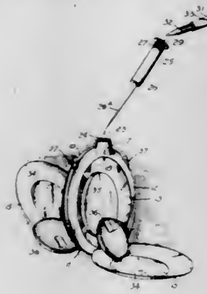
and bottom surfaces of said mouthpiece, closely adjacent to the said bite portion, said recesses being shaped so as to comfortably receive the lips of the user, the thickness of the mouthpiece between said lip receiving recesses being less than the thickness of the bite portion.

1,507,572. CAN OPENER. INSLEE T. BENNETT, Edwardsville, Ill. Filed Aug. 23, 1922. Serial No. 583,761. 1 Claim. (Cl. 30—3.)



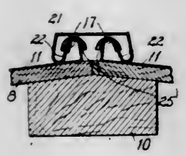
In a device of the class described, the combination with a loop forming a handle, one end of said loop being turned down and having a serrated face forming a dog, of a plate pivoted between the arms of said loop and provided with an integral blade and also a slot formed therein between the pivot point and the blade, and a rivet in said handle engaging with said slot to form a stop.

1,507,573. VANITY CASE. RICHARD I. BIESHUNS, New York, N. Y. Filed Jan. 12, 1924. Serial No. 685,815. 5 Claims. (Cl. 132—83.)



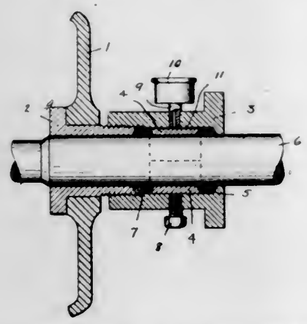
1. A vanity case, including an intermediate receptacle having a neck portion and opposite indented side walls, covers for the indented walls, a stopper for said neck portion including a projection adapted to extend into the interior of said receptacle, and a pencil member adjustably mounted in the outer end of said stopper.

1,507,574. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1923. Serial No. 635,234. 9 Claims. (Cl. 108—5.)



2. A flexible car roof comprising roof sheets spaced apart along their adjacent margins and having hollow ribs extending lengthwise thereof, and a seam cover straddling the ribs of adjacent sheets and having tangential contact with both walls of each of said ribs.

1,507,575. TURBINE BEARING. ALLEN G. BROUSE, Duluth, Minn. Filed Apr. 20, 1923. Serial No. 633,365. 1 Claim. (Cl. 64—24.)



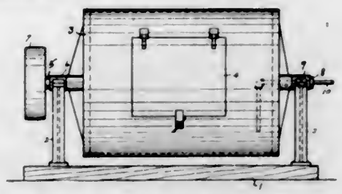
A shaft bearing comprising in combination a support, a journal sleeve extending through the support and non-rotatable therein, said sleeve being externally screw threaded upon one end thereof which protrudes beyond the support, an elongated packing nut screw threadedly mounted upon the sleeve, a split auxiliary sleeve within the nut and normally spaced from both ends thereof forming spaced annular packing spaces, packing within said spaces adjustably held therein by the reciprocation of the nut, and means cooperatively connected with one half of the split sleeve for simultaneously supplying lubricant to the packing at both ends thereof.

1,507,576. LAMP-BULB ATTACHING AND DETACHING DEVICE. EDWARD C. BROWN, Bismarck, N. Dak. Filed Oct. 1, 1923. Serial No. 666,018. 3 Claims. (Cl. 294—21.)



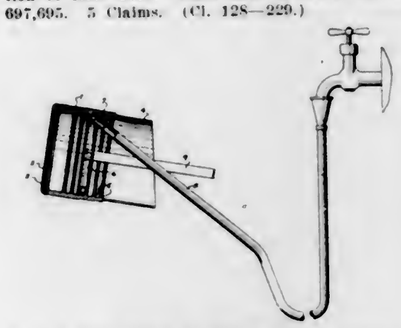
1. In a device for the purpose set forth, a sectional shaft, a forked member pivotally secured to the outer section thereof, oppositely disposed arms pivotally secured to the said section below the forked member, a centrally folded flexible grip having its sides passing through the forked member and secured to one of the arms, means loosely connecting the forked member with the second arm, flexible pull elements connected with both of the arms, whereby to move the forked member and the grip to open the latter to bulb receiving position when a pull is exerted upon one of said elements, and to cause the forked member to contact the sides of the grip to compress the same around the bulb received therein when a pull is exerted upon the said second pull element.

1,507,577. PROCESS OF TREATING PICKLES. JOHN M. BROWNE, Houston, Tex. Filed July 12, 1921. Serial No. 484,079. 2 Claims. (Cl. 99—1.)



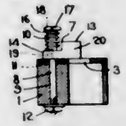
2. The process of treating pickles consisting in subjecting them to salt brine, then submerging them in cold water in a closed receptacle then heating said water by forcing hot steam therein under pressure meanwhile agitating the contents thereof.

1,507,578. SPRAY DEVICE. KENNETH BURNS and JOHN W. STAFFORD, New York, N. Y., assignors to Starburn Products, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 8, 1924. Serial No. 697,695. 5 Claims. (Cl. 128—229.)



5. In a spray device, a tubular body of molded rubber having interior spray ring holding means, and an end shaped to seal when pressed against the body.

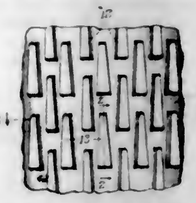
1,507,579. PICKER CHECK. VETRELL CARROLL, Lowell, Mass. Filed Mar. 5, 1923. Serial No. 622,758. 1 Claim. (Cl. 139—164.)



In a loom, the combination with a lay having a shuttle box thereon and a shuttle binder of a picker stick carrying a picker, a shouldered bolt extending vertically through the lay adjacent one end of the shuttle box and on the opposite side thereof from the binder, a picker check pivotally mounted on the bolt and situated above the lay, a spring encircling the bolt and having one end anchored thereto and the other end connected to the picker check and a nut on the bolt cooperating with the shoulder to hold the bolt in adjusted position with the spring at the desired tension.

1,507,580. WELL SCREEN. WILLIAM H. CATER, Chicago, Ill. Filed Dec. 5, 1923. Serial No. 678,583. 2 Claims. (Cl. 166—5.)

1. A foraminous sheet-metal well-screen, adapted for descent in the earth during the driving of the well having a sheet-metal wall equipped with a plurality of spaced longitudinally-tapered lengthwise strips of the metal sheet positioned out of the plane of the sheet, the ends of such

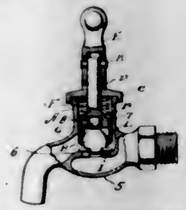


strips being integral with the body of the metal sheet, thereby providing two converging slots through the metal along the opposite margins of each strip.

1,507,581. BLAST-FURNACE SMELTING. THOMAS WILLARD CAVERS, Nickelton, Ontario, Canada. Filed Jan. 25, 1921. Serial No. 439,870. 2 Claims. (Cl. 15—17.)

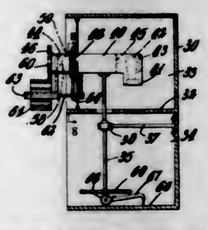
1. In the smelting of non-ferrous-metal-containing materials, the improvement which comprises introducing steam into the blast furnace, at the level not substantially above the smelting twyers, while introducing sufficient air through the smelting twyers for burning any hydrogen sulfid formed thereby.

1,507,582. FAUCET. WILLARD C. CHRISTMAS, Boonville, Ind. Filed Nov. 19, 1921. Serial No. 516,492. 4 Claims. (Cl. 257—46.)



3. In a faucet, the combination with a faucet body, a partition therein and a cylinder thereon opposite said partition; of a threaded nipple in said partition forming a valve seat, a valve stem having an enlarged end in said cylinder, a ball cage on said stem, a ball valve in said cage, a pivot ball between the valve ball and enlarged end of the stem, a bonnet for said cylinder, a spring in the cylinder between the enlarged stem portion and bonnet, a handle secured to the stem and means on the bonnet cooperating with the handle to raise the handle and stem against the stress of said spring to unseat the valve-ball.

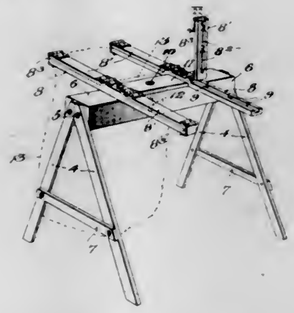
1,507,583. MOVING-PICTURE BASEBALL SCOREBOARD. GEORGE S. COLEMAN, New York, N. Y. Filed Oct. 27, 1922. Serial No. 597,348. 11 Claims. (Cl. 116—120.)



3. In an apparatus of the type described, means for indicating the travel of a ball comprising a projector adapted to throw a spot of light upon a surface repre-

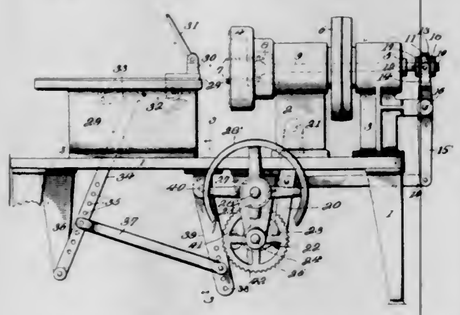
senting a playing field, and having a four-armed iris through which the light is projected, a support for said projector, means for angularly adjusting the projector on its support, and devices adapted to engage the respective arms of said iris to automatically open or contract said iris upon angular movement of said projector on its support.

1,507,584. BAG HOLDER. EDGAR L. COMBS, Gwynedd, Pa. Filed Dec. 22, 1923. Serial No. 682,315. 7 Claims. (Cl. 83—26.)



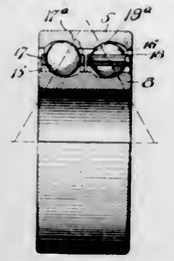
1. The combination, in a bag holder, of a frame including an approximately horizontal bar or beam and legs for supporting the same; two spaced rails pivotally secured to said horizontal bar or beam and normally positioned to extend across said bar to constitute at each side thereof a pair of approximately horizontal arms each pair adapted to support or suspend therebetween a bag with its upper end open for filling; a bag attaching means associated with each of said arms for detachably securing a bag thereto while it is being filled; means engaging said rails to secure them in their aforesaid normal positions but adapted to be disengaged from the rails to permit the latter to be turned on their pivots each to a knock-down position approximately parallel to the said bar or beam of the frame.

1,507,585. SWAGER WITH TAPER ATTACHMENT. HARMON J. COOK, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Jan. 28, 1922. Serial No. 532,439. 4 Claims. (Cl. 78—77.)



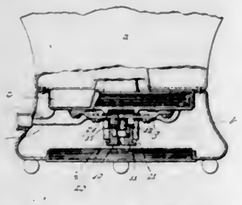
1. In a device of the class described, a plurality of dies adapted to swage a length of stock by a succession of impacts, means for progressing the stock through said dies during the swaging operation, and means for progressively altering the position of the working faces of said dies with respect to the stock during the movement of said stock whereby the stock is tapered.

1,507,586. DOUBLE-ROW ANGULAR BEARING. ELISHA H. COOPER, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 29, 1922. Serial No. 609,583. 3 Claims. (Cl. 64—59.)



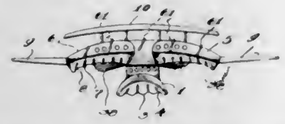
1. In a ball bearing of the unit handling type, an inner ring, an outer ring, each of said rings having two continuous grooved raceways therein, the raceways in each ring being continuous and uninterrupted at the sides, the distance between the center lines of the raceways in one of said rings being greater than the distance between the center lines of the raceways in the other ring, balls in said raceways, and spacers for spacing the balls of each row apart, each spacer comprising at least two sections secured together.

1,507,587. PROTECTIVE DEVICE FOR ELECTRICALLY-HEATED UTENSILS. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 1, 1922. Serial No. 604,314. 2 Claims. (Cl. 219—44.)



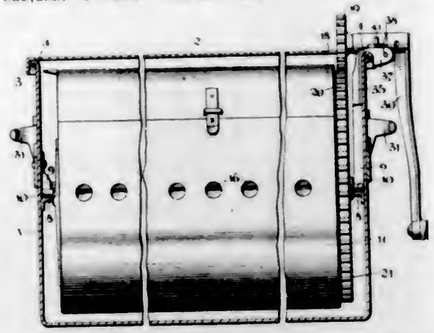
1. In combination, an electric heater, a pair of spaced terminals connected into the circuit of said heater, a holder and a connector therein having a relatively low fusing point adapted to close the circuit between said terminals, and means for preventing said holder from being brought into engagement with said terminals after said connector has been melted down.

1,507,588. AIRCRAFT. RICHARD A. DAVENPORT, Detroit, Mich. Filed June 5, 1922. Serial No. 565,881. 14 Claims. (Cl. 244—12.)



1. An aircraft comprising a load confining body portion, the bottom of said body constituting an air supported surface and being provided with longitudinally extending air channels or troughs, propelling means for said craft, a hull secured directly to the bottom of the body portion, the latter extending laterally beyond the hull hides, and having its outer longitudinal edges terminating in a downwardly and inwardly extended portion in the nature of a V-shaped outrigger keel.

1,507,589. WASHING MACHINE. GEORGE LESLIE FERRIS, McArthur, Ohio; O. E. Vollenweider administrator of said Ferris, deceased. Filed May 8, 1922. Serial No. 559,293. 1 Claim. (Cl. 68—16.)



In a washing machine, a casing adapted to receive a cleaning fluid, a cylinder rotatably and removably supported within the casing, a driven gear carried by said cylinder at one end thereof in concentric relation therewith, a plate supported upon the end of the casing proximate to the driven gear, a bearing having a portion adapted to rest upon the plate, a drive shaft journalled in said bearing, a drive gear carried by said drive shaft in position to mesh with said driven gear when the said portions of the bearing is resting upon said plate and to be disengaged therefrom when the inner end of the bearing is swung upwardly and outwardly in respect to said plate, means for swingingly attaching the bearing at its outer end to the plate, and a pivoted latch for releasably holding the bearing superimposed upon the plate.

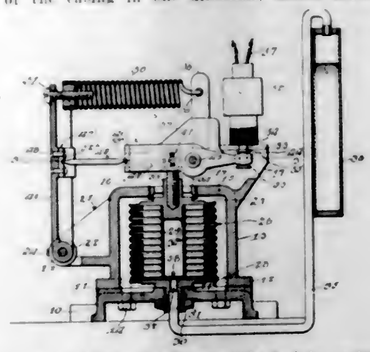
1,507,590. UMBRELLA HOLDER. ROGER W. FLAGG, Dobbs Ferry, N. Y. Filed June 21, 1922. Serial No. 569,931. 1 Claim. (Cl. 24—260.)



In a holder of the character described the combination of a main sleeve having slits therein to form clamping prongs that normally extend outwardly from the longitudinal axis of the sleeve, clamping fingers formed with the lower portions of the prongs and extending inwardly, a clamping sleeve having a flange, slidably supported on the main sleeve and enabled to be moved on said prongs, to be enabled to clamp an object simultaneously with said prongs and said clamping fingers and a supporting ring connected to the main sleeve to support it, substantially as described.

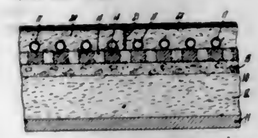
1,507,591. THERMOSTAT FOR REFRIGERATING APPARATUS. JULIUS FRANKENBERG, Chicago, Ill. Filed July 16, 1920. Serial No. 396,858. 13 Claims. (Cl. 200—140.)

1. In a device of the character described, the combination with a longitudinally extensible casing having its ends closed and fixedly supported at one end, of means constantly in communication with the casing for the passage of a suitable fluid, means within the casing and carried by the movable end thereof for limiting the movement of the casing in one direction, means adjustably



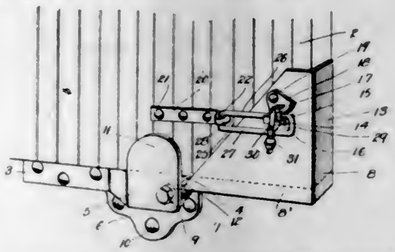
supported outwardly of said movable end to restrict its movement in the opposite direction, and an operating lever fulcrumed near said end of the casing and transversely disposed with respect to the casing and pivotally connected axially to the movable end thereof.

1,507,592. SKATING-RINK FLOOR. GEORGE C. FUNK, Brookline, and MAGNUS J. PALSON, Gloucester, Mass.; Herbert E. Smith executor of said Magnus J. Palson, deceased. Filed May 18, 1921. Serial No. 470,676. 4 Claims. (Cl. 62—12.)



1. A floor of concrete or the like and means for varying the temperature thereof comprising a series of sections, expansion joints of elastic material separating said sections one from the other, a plurality of pipes embedded in each of said sections extending longitudinally thereof and approximately parallel to said expansion joints and arranged in a series of units, a pair of headers on opposite sides of said floor connecting the ends of the pipes of each unit together and means to cause a circulation of fluid through said pipes and headers.

1,507,593. DOOR-SECURING MEANS. ALEXANDER GALLOWAY, Kansas City, Mo. Filed Sept. 21, 1922. Serial No. 589,558. 4 Claims. (Cl. 292—286.)

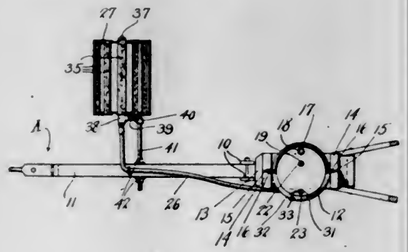


1. In combination with a box car having a sliding side door for closing a side opening therein, of a bracket having an upwardly extending guide portion for the door, a flanged cleat pivoted to the bracket and overlapping the bottom and vertical edge of the door at one corner and a fastening device carried by the door engaging a part of the cleat.

1,507,594. METHOD OF PRODUCING HARD RUBBER. WILLIAM C. GEER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,821. 27 Claims. (Cl. 18—53.)

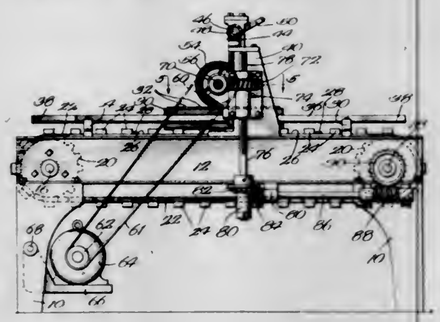
21. The method of producing hard rubber which comprises heating comminuted soft vulcanized rubber in the presence of a mixture of a nitrogenous polysulfide and a nitrogenous accelerator in an aqueous carrier.

1,507,595. ATTACHMENT FOR PLOWS. WILLIAM W. GOODE, Tuskegee, Ala. Filed Nov. 5, 1923. Serial No. 672,961. 4 Claims. (Cl. 299—30.)



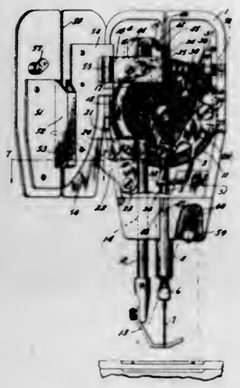
1. A plow attachment of the character described comprising a container adapted to receive a poisonous substance and supported by the plow stock, a manually operable agitator arranged within said container, a perforated distributing drum mounted for rotation upon the plow beam and arranged at one side thereof, said drum being susceptible of vertical and horizontal adjustment, a supply pipe establishing communication between the container and said drum, and a valve associated with the container and operable to control said communication.

1,507,596. BATTERY-CELL-POLISHING MACHINE. JOHN GRAVES, Madison, Wis., assignor to French Battery & Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed Feb. 25, 1921. Serial No. 447,837. 5 Claims. (Cl. 141—1.)



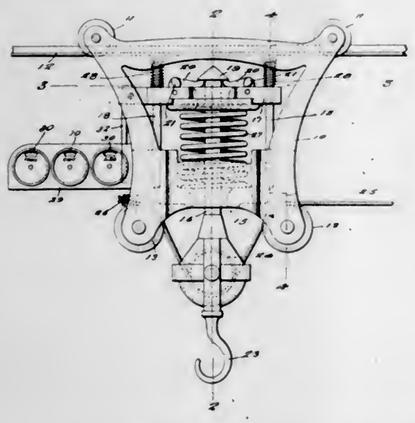
1. In a device of the class described, a movable conveyor belt, means for maintaining the load carrying portions of the conveyor belt in substantial alinement, a rotatable brush adjacent to the conveyor belt, means for varying the position of the brush to and from the conveyor belt, a single source of power, and a single power transmitting system operating through the brush to the conveyor by which said source of power simultaneously drives the conveyor belt and rotates the brush in all positions of adjustment of the brush.

1,507,597. SEWING MACHINE. CHARLES H. GREENWOOD, Canton, Ohio. Filed Feb. 15, 1923. Serial No. 619,198. 16 Claims. (Cl. 112—258.)



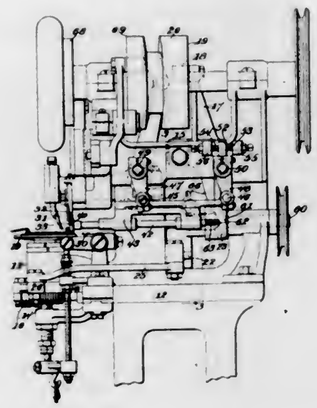
1. In a sewing machine, a head provided with a vertical slot through one side thereof, a tension device and thread guides within the head and aligned with the slot and a take-up lever within the head provided with means for automatically engaging a thread drawn through the slot.

1,507,598. COMBINED SCALE AND CARRIER. DAVID GUSTAFSON, Eau Claire, Mich. Filed June 8, 1923. Serial No. 644,248. 2 Claims. (Cl. 265—68.)



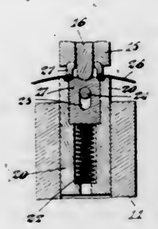
1. A carrier comprising a frame equipped with rollers and mounted upon a track, grooved pulleys journaled in said frame, a vertically movable cross head mounted within the frame, a spring supporting said cross head, dogs carried by the cross head and having limited downward movement, a stem carrying a hook and a sheave wheel, a cable trained under the sheave wheel and over said pulleys whereby to move the stem and the carriage, a head on said stem engaging said dogs for holding the stem suspended from the cross head, a scale structure mounted upon one side of the frame, and an operative connection between said cross head and the operating element of the scale.

1,507,599. INSOLE MACHINE. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 5, 1919. Serial No. 308,855. 13 Claims. (Cl. 12—20.)



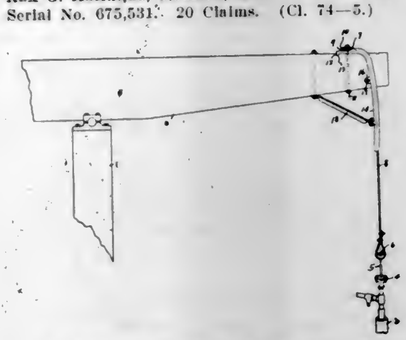
13. A machine for trimming reinforcing material lying on the feather of a ribbed insole having, in combination, an insole support constructed and arranged to sustain the feather at its margin, a gage constructed and arranged to bear against the rib, a single, continuously rotating disc knife opposite the feather and directly above said support for trimming the reinforcing material along a line spaced from the rib and devices by which said knife may be adjusted to vary the distance of the cut from the rib and also the depth of the cut.

1,507,600. FASTENER-INSERTING MACHINE. THOMAS J. HALLAM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 31, 1920. Serial No. 400,477. 22 Claims. (Cl. 153—48.)



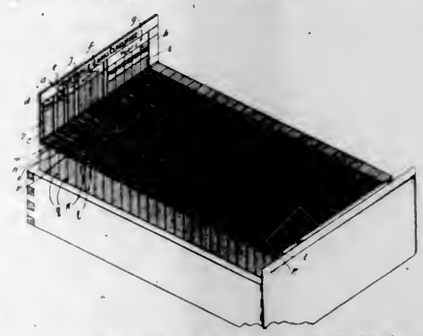
1. Fastener-setting mechanism comprising a clenching tool the clenching shoulder of which is formed and arranged to occupy initially the fastener-receiving hole in an article of work, a work-engaging abutment normally behind said shoulder, a movable tool constructed and arranged to force a fastener against the clenching tool, the latter being arranged to yield relatively to said abutment so as to carry the clenching shoulder to a position behind the article of work, and means for limiting such yielding movement of the clenching tool so as to cause the latter to exercise its clenching function after it has yielded as aforesaid.

1,507,601. CABLE BEARING FOR WALKING BEAMS. REX G. HAMAKER, Houston, Tex. Filed Nov. 19, 1923. Serial No. 675,531. 20 Claims. (Cl. 74—5.)



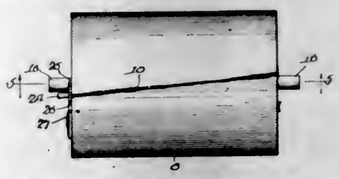
1. An attachment for walking beams including a yoke having a cable bearing, and a pair of cable guides depending from the yoke, on opposite sides of the beam.

1,507,602. READY-REFERENCE TABULATING INDEX FOR FILES. ERNEST C. HEALD, Portland, Oreg. Filed Dec. 15, 1919, Serial No. 345,152. Renewed Feb. 4, 1924. 4 Claims. (Cl. 129—16.5.)



1. A file consisting of flat units massed side by side, a plurality of marks on the exposed edge of each of said file-units, and located so as to lie in columns extending crosswise of the file, the columns denoting segregated, specific items of correlated data of a subject matter, whereby the marks indicate symbolically the contents of the file as a whole, and the marks on each unit give symbolically the details of the contents of such file unit.

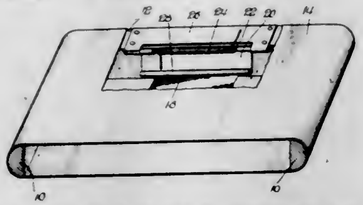
1,507,603. DEVICE FOR HOLDING OR LOCKING SANDPAPER ON THE ROLLS OF FLOOR-SURFACING MACHINES. MILTON E. HELIN and HENRY R. HAWKINSON, Chicago, Ill. Filed Feb. 28, 1923. Serial No. 621,746. 3 Claims. (Cl. 51—194.)



1. In a device of the class described, the combination with a roller having a slot in its periphery and a bearing opening in each of its ends near said slot, of a pair of spaced clamping members journaled at their ends in said openings, said members having their adjacent surfaces

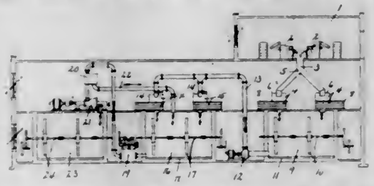
straight, a spacing member supported by one of said clamping members and located in the space between said members for holding them at one of the edges of their straight surfaces apart, and means on one of said members for turning the pair of members.

1,507,604. WINDING BOARD. ARTHUR HOLDSWORTH, Oak Park, Ill. Filed Apr. 3, 1922. Serial No. 548,967. 6 Claims. (Cl. 206—50.)



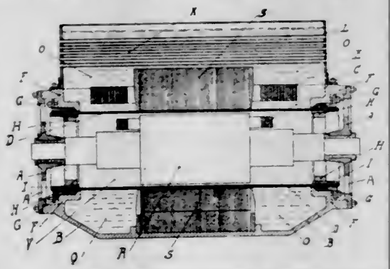
1. A winding board having, in combination, side pieces and an end piece, said end piece having a slot, and resilient means normally obstructing the inner end of said slot.

1,507,605. METHOD AND APPARATUS FOR TREATING RAGS IN THE PRODUCTION OF PAPER STOCK. J. H. HOWE and CHARLES E. STEVENS, Fulton, N. Y., assignors to Arrowhead Mills Inc., Fulton, N. Y., a Corporation of New York. Filed Feb. 17, 1921. Serial No. 445,875. 4 Claims. (Cl. 92—20.)



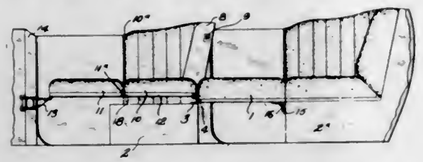
4. The process of treating rags, consisting in cutting the rags into relatively small pieces, feeding said cut rags upon the surface of a beater roll rotating at high speed, subjecting such cut rags combined with water to the action of the beater until reduced to half-stock condition, discharging the half stock from the beater into a half-stock chest, agitating the half stock in said chest, pumping the half stock from the chest and discharging it under high pressure upon a finishing beater roll rotating at high speed, subjecting such half stock to the action of the finishing beater until the desired consistency is reached, and discharging the stock from the finishing beater and passing it thru a Jordan engine.

1,507,606. ROTARY ELECTRIC MACHINE. KALMAN v. KANDÓ, Budapest, Hungary. Filed Sept. 17, 1920. Serial No. 411,017. 5 Claims. (Cl. 171—252.)



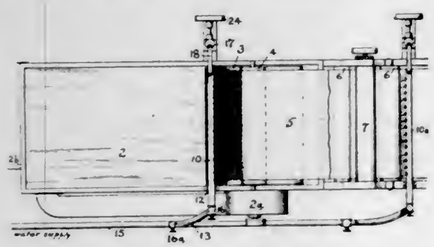
1. In an electrical device, a rotor, a stator, a shell enclosing the stator with its windings, a cylindrical tube of larger diameter than the rotor, passing through the air-gap between the stator and the rotor and extending through the field-bore of the stator, openings in the end walls of the stator-shell of larger diameter than said cylindrical tube and a detachable fluid-tight connection between said cylindrical tube and each wall of the stator-shell.

1,507,607. AUTOMOBILE BODY. FRANK JACK KELLY, Toronto, Ontario, Canada. Filed May 9, 1923. Serial No. 637,858. 4 Claims. (Cl. 155—7.)



1. In an automobile body having front and rear seats, in combination, a hinged seat back releasably secured at its upper end to the supporting framework, and a hinge connecting the lower end of the seat back to the supporting framework comprising a hinge member fastened to the framework and a hinge member fastened to the seat back and carrying angular lugs for supporting and locking engagement with one section of a two-part seat cushion, said section of the cushion resting in locked engagement upon the angular lugs of the hinge member.

1,507,608. SHOWER PIPE FOR PAPER-MAKING AND SIMILAR MACHINES. HENDERSON KIDD, Chester, Pa., assignor, by mesne assignments, to Scott Paper Company, a Corporation of Pennsylvania. Filed June 10, 1920. Serial No. 387,852. 3 Claims. (Cl. 92—50.)

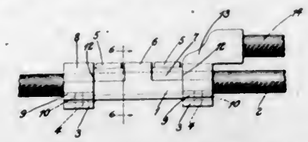


1. Means for spraying a travelling surface such as that of the drum or felt web of a paper making machine after the paper web has been removed therefrom, consisting of a longitudinally reciprocable water shower pipe having apertures along its length, a U shaped guide adjacent to one end of the shower pipe and in which the body of the pipes rests by gravity and by which it is guided, a support for the other end of the shower pipe comprising a horizontal rod in alinement with the shower pipe and slidably mounted in a stationary bearing, a flexible water supply pipe for maintaining delivery of water to the shower pipe while it is in operation, a vertical shaft having a crank at one end, a connecting rod hinged to the crank and also hinged to the shower pipe, said crank arranged in alinement with the axis of the shower pipe, a horizontal shaft geared to the vertical shaft, and means to rotate the horizontal shaft.

1,507,609. ELECTRICAL CONNECTER. SIDNEY D. KRETZER, St. Louis, Mo. Filed Sept. 22, 1921. Serial No. 502,381. 3 Claims. (Cl. 175—273.)

1. A clamp support for electrical cables, comprising a base member having a channel therein for receiving a cable, a cooperating clamp member having grooves receiving the side edges of the base member, extending

ears on the wall of the channel of the first-named member clamped over the wall of said second-named member, a socket formed in connection with said second-



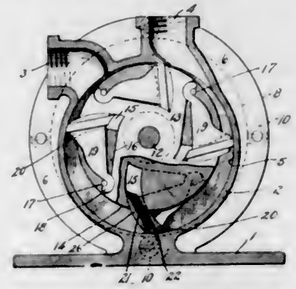
named member for receiving the end of a branch cable, and laterally extending lugs on said members having registering holes for receiving fastening devices.

1,507,610. COLLAR BUTTON. EARNEST W. LADD, New York, N. Y. Filed July 19, 1922. Serial No. 576,037. 5 Claims. (Cl. 24—101.)



1. In a collar button, a base, a head and a shank, the shank being bent laterally from the base in a slightly inclined plane and returned in an upward direction and again bent so as to form a stud for collars to be buttoned thereon.

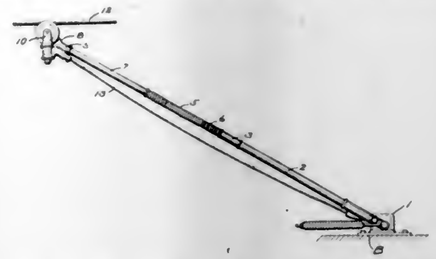
1,507,611. ROTARY PUMP. FRED A. LEIGH, Detroit, Mich. Filed Feb. 13, 1922. Serial No. 536,112. Renewed Feb. 11, 1924. 4 Claims. (Cl. 103—140.)



1. A rotary pump wherein a rotor is formed with pockets extending inwardly from the periphery thereof and is mounted eccentrically within a cylinder with piston blades carried in said pockets and movable inwardly and outwardly of said pocket, a packing carried by each piston blade with a flexible edge portion of said packing projecting inwardly from the inner edge of the blade with said flexible edge portion engaging the rear wall of the pocket, to be held by fluid pressure against said wall and prevent leakage rearwardly in the direction of rotation of the rotor, past said blades.

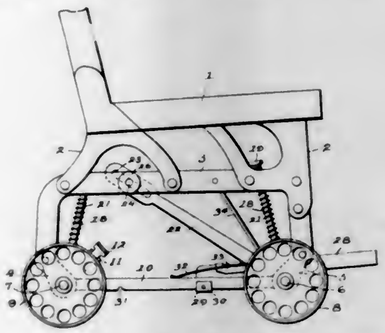
1,507,612. CURRENT COLLECTOR. ELLIS S. LINCOLN, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 14, 1921. Serial No. 500,574. 14 Claims. (Cl. 191—57.)

1. The combination with a moving vehicle adapted to operate without rails of a trolley pole, means interposed between the pole and vehicle acting to maintain the outer end of the pole in a raised position, a pair of auxiliary arms of insulating material projecting from the extremity of the pole and each arm provided with current collecting means to engage a trolley wire, each auxiliary arm universally movable and independently of the other, means interposed between each auxiliary arm and the pole to connect the arms and pole and permit



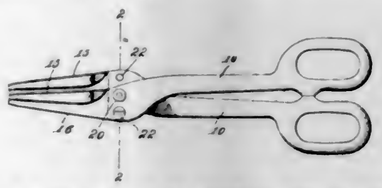
said universal movement of the arms and means for conveying the current from the collecting means to the vehicle.

1,507,613. COMBINED ROLLER AND ROCKING CHAIR. OTTO R. MILKY, Joplin, Va. Filed Apr. 23, 1923. Serial No. 633,921. 7 Claims. (Cl. 155—70.)



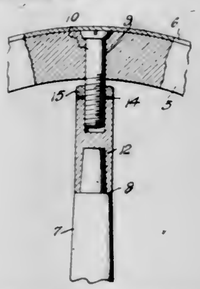
1. The combination of a chair body, a supporting frame depending therefrom, a wheeled frame arranged beneath the supporting frame, rocker-arms keyed to the shafts of the wheeled frame and pivotally connected to the supporting frame, springs extending between the wheeled frame and the supporting frame for resiliently supporting the chair body, and means for locking the chair against rocking movement.

1,507,614. SHEARS. HENRY F. MILLER, Waynesville, N. C. Filed Sept. 17, 1923. Serial No. 663,248. 2 Claims. (Cl. 30—13.)



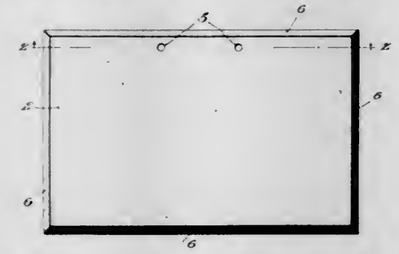
1. A cutting tool of the character described comprising a pair of crossed pivoted handles, the free end of each handle having a transverse groove, a cutting blade for each handle having a tongue adapted to be fitted in said groove, means for securing the blade to its respective handle, and said blade having its opposed edges sharpened to provide duplex cutting edges, whereby the blades can be reversed as and for the purpose specified.

1,507,615. SPOKE CONNECTION. HORACE H. MOSHER, Bristol, Ind. Filed May 19, 1923. Serial No. 639,094. 1 Claim. (Cl. 301—69.)



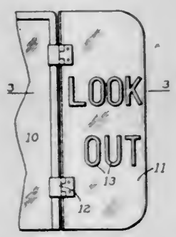
A wheel comprising a felly and having a spoke spaced from the felly, there being provided in the felly an opening passing transversely therethrough and alined with the spoke, a socket member mounted upon the spoke and interposed between the end of the spoke and the felly, a bolt received in the opening of the felly and having its outer end flush with the periphery of the felly, the inner end of the bolt being threaded and being received in the socket member, a jamb nut threaded upon the bolt and disposed between the socket member and the felly, and a tire rim surrounding the felly and disposed over the outer end of the bolt.

1,507,616. ELECTROTYPER'S CASE. WALKER W. MCCARROLL, New Haven, Conn. Filed Jan. 5, 1924. Serial No. 684,672. 4 Claims. (Cl. 204—6.)



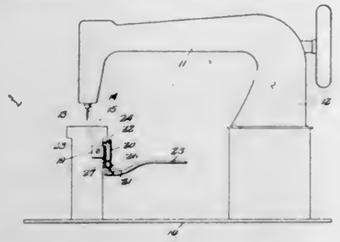
1. An electrotyper's case formed of a hard rolled aluminum plate.

1,507,617. SIGNAL DEVICE FOR AUTOMOBILES. JAMES E. MCWILLIAM, North Oxford, Mass. Filed Aug. 31, 1923. Serial No. 660,449. 3 Claims. (Cl. 40—130.)



2. As an article of manufacture, a danger signal for an automobile, consisting of a side wind shield of transparent plate glass having a signal device on the front consisting of projecting characters provided with front convex colored light transmitting surfaces for the purpose described.

1,507,618. SEWING-MACHINE ATTACHMENT. OLE OLSON, Red Wing, Minn. Filed Apr. 12, 1924. Serial No. 706,720. 1 Claim. (Cl. 12—153.)

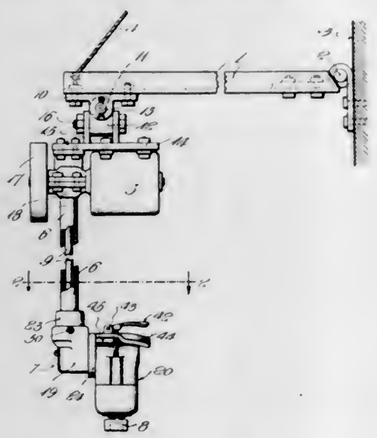


A guide for a sewing machine, to facilitate the sewing of cut-outs, tear-drops, and other holes of fanciful design, which consists of a bracket arranged beneath the throat-plate of the machine, a shaft journaled in said bracket, a lever for turning said shaft from the right to the left and vice versa, means for elevating the said shaft when the latter is turned in one direction and for lowering the shaft when turned in the opposite direction, and a gauge arm carried by the said shaft and presenting a guide element adapted to protrude slightly above the said throat-plate when the said shaft is elevated whereby to provide a bearing point or fulcrum for the edge of a cut-out, tear-drop, or other hole in the work.

1,507,619. LIQUID FUEL. ZACHARIAS OLSSON, Westport, Conn., assignor, by mesne assignments, to Burgoyne Light & Signal Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 20, 1922. Serial No. 608,100. 1 Claim. (Cl. 44—9.)

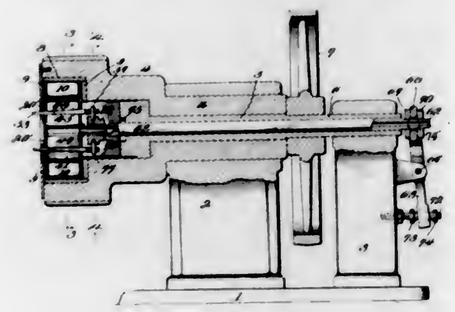
A liquid fuel consisting of kerosene oil or its equivalent hydrocarbon, naphthalene, and a heavy paraffin oil.

1,507,620. NUT AND BOLT TIGHTENING MACHINE. ALFRED EDWARD OPPENHEIMER, Moline, Ill. Filed Feb. 8, 1923. Serial No. 617,823. 9 Claims. (Cl. 74—101.)



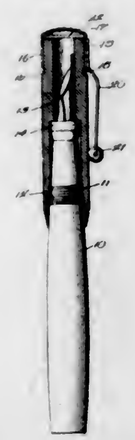
1. A machine of the class described comprising a vertically movable elevated support, a prime mover pivotally hung from said support, a gear casing below said prime mover and a vertical hanger rigidly connecting said prime mover and said casing, gearing in said gear casing and a shaft driven thereby, and a drive shaft for said gearing extending thereto from said prime mover.

1,507,621. SWAGER WITH WEDGE MOTION. RALPH H. PERRY and HARMON J. COOK, Torrington, Conn., assignors to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Jan. 28, 1922. Serial No. 532,397. 5 Claims. (Cl. 78—22.)



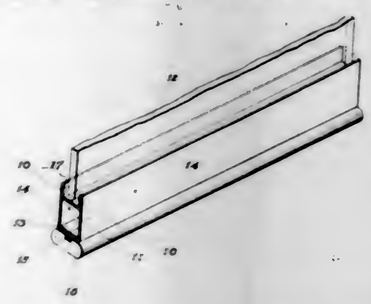
1. A rotary swaging machine including in combination, a housing, a rotary head located within the housing and having a plurality of radial grooves, a plurality of pairs of swaging dies located in said radial grooves, a backer associated with each swaging die and located in the respective groove of the rotating head containing the swaging die, wedges interposed between the swaging dies and the backer, a series of rotating members located between the housing and the rotating head and adapted to engage simultaneously the backers for operating the swaging dies, and means for simultaneously shifting said wedges for varying the radial working position of the dies.

1,507,622. PEN CLIP. ROBERT G. PILKINGTON, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed May 22, 1920. Serial No. 383,454. 6 Claims. (Cl. 24—11.)



1. In a writing instrument of the class described, in combination, a main cap having both ends open, a sealing means extending across one of said open ends, a supplemental cap fitted over said last mentioned open end of the main cap with its sides in engagement with the sides of said main cap, said supplemental cap being secured to said main cap so as to press said sealing means in close contact with the adjacent open end of the main cap.

1,507,623. WINDSHIELD FOR AUTOMOBILES. FRANCIS J. PLYM, Niles, Mich. Filed Mar. 17, 1917. Serial No. 155,421. 4 Claims. (Cl. 296—44.)



1. A wind shield casing for automobiles, comprising a single strip of metal having an integral resilient weatherstrip along its longitudinal central axis, formed by bending the strip, and having its edges bent upwardly, then inwardly and downwardly close to the upwardly bent portions of the strip, and then bent laterally in a single plane to meet substantially in a plane passing through the aforesaid axis, there being formed in said casing by said bending a wide groove adapted to receive the edge of the glass of the wind shield and a cushioning member, the latter adapted to separate the glass from the casing.

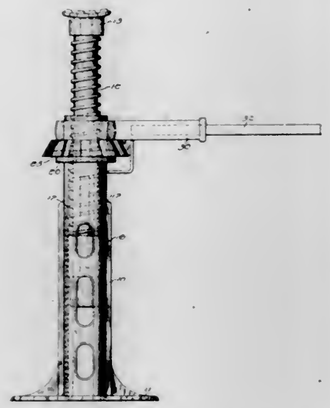
1,507,624. PROCESS FOR MANUFACTURING CONDENSATION PRODUCTS. FRITZ POLLAK and KURT RIPPER, Vienna, Austria; said Ripper assignor to said Pollak. Filed Feb. 5, 1923. Serial No. 617,164. 10 Claims. (Cl. 260—3.)

10. The process for manufacturing condensation products which comprises heating the soluble initial condensation products resulting from the action of 600 parts by weight of an aqueous solution of formaldehyde (say 40 per cent by volume) upon 100 parts by weight of urea until 60 per cent of the whole weight of the liquid are distilled off, thereby leaving a product still containing some free formaldehyde, adding to such product a quantity of urea calculated to represent one molecule of urea to each two molecules of free formaldehyde in such intermediate product, submitting the mixture after the solution of the urea to further evaporation in a vacuum apparatus at a temperature below 50 degrees centigrade to about the utmost point of viscosity at which the mass is still capable of being cast, filling the said mass into molds and then hardening it by heat, the temperature being raised in the last period of this hardening process to 100 degrees centigrade.

1,507,625. LIFTING JACK. WILLIAM B. RUNYAN, Dayton, Ohio, assignor to The Dayton Malleable Iron Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 10, 1923. Serial No. 673,946. 3 Claims. (Cl. 254—98.)

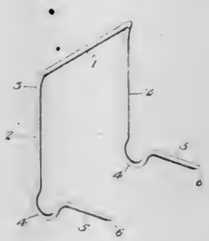
3. A lifting jack of the character described, comprising a body member having a passage therethrough, an outwardly extending bearing flange at the upper end of said body member; a screw member slidable within the passage in the body member, an internally threaded nut mounted on said screw member and having a socket in the lower face thereof for receiving said bearing flange in bearing relation, beveled teeth on said nut, a hub extension on the upper face of said nut; a handle member having a handle receiving socket in one end, and an enlargement on the other end which during operation of the device, has bearing on the upper face of the nut, an oppositely tapered passage through said handle member receiving the hub extension, the minimum diameter of

said passage being such as to slidably receive said hub extension, the tapered walls being arranged to give full bearing thereof at opposed ends on said hub extension when the handle member is rocked about the portion of minimum diameter; a tapered lug depending from said handle member and positioned to be moved into and out of cooperation with the beveled teeth as the handle mem-



ber is rocked about its portion of minimum diameter; and a depending malleable retaining lug carried by said handle member and bent over after assembling of the several parts to overlie the bearing flange of the body member to retain the several parts in assembled position and to permit bodily movement of the jack through the medium of the operating handle.

1,507,626. BOX LID OR COVER HOOK. WILLIAM L. SAXER, Dushore, Pa. Filed Jan. 4, 1924. Serial No. 684,344. 3 Claims. (Cl. 27—32.)



1. A box lid hook formed from a single piece of wire having an intermediate straight section and parallel side sections at the ends thereof, the portions of the side sections being of the same form and dimensions, each side section having a curved portion which merges with an end of the intermediate section and a straight body portion merging with said curved portion, a loop portion merging with the body portion and a straight end portion merging with the loop portion and having a pointed extremity.

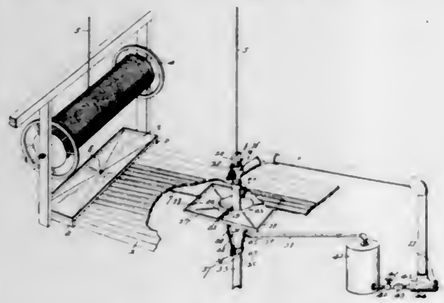
1,507,627. TONGUE-SUPPORTING MEANS. OTTO SCHUPPERT, Arrington, Kans. Filed Jan. 22, 1923. Serial No. 614,280. 1 Claim. (Cl. 278—41.)

In combination with a horse drawn agricultural implement, its axle and its tongue, means for relieving the horses from the weight of the tongue comprising a pair of brackets connected with the front face of the axle, one at each side of the inner end of the tongue and below the level of the tongue, an eye bolt carried by each bracket, a spring having one end connected with the eye of each bolt, a chain connecting the inner ends



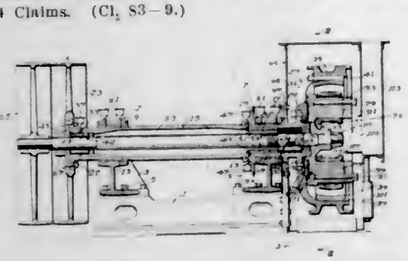
of the springs together and a hook-shaped bracket on the inner end of the tongue and on the top face thereof engaging the middle link of the chain.

1,507,628. AUXILIARY OIL SAVER. ROBERT J. SCHUYLER, Mexia, Tex. Filed June 24, 1922. Serial No. 570,676. 4 Claims. (Cl. 166—16.)



1. An oil saver for well drilling rigs comprising a pan adapted to be mounted upon the oil pipe below the control head thereof and below the floor of the rig, said pan having a relatively large central opening, a downwardly tapering portion extending downward from said opening and at its lower end formed to be clamped upon the oil pipe, said pan being formed in two sections and having means whereby the sections may be clamped to each other, and an outlet pipe leading from the downwardly extending portion of the pan.

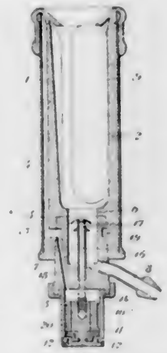
1,507,629. GRINDING MACHINE. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1924. Serial No. 695,226. 14 Claims. (Cl. 83—9.)



1. A grinding machine comprising, in combination, a support having bearings, an outer sleeve shaft journalled in said bearings and having a free end portion

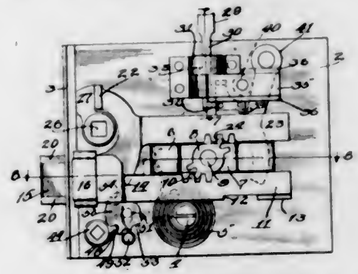
projecting beyond one of said bearings, a head fast on the end portion of said shaft, a ring runner carried by said head, an inner shaft in said sleeve shaft and projecting beyond the end portion thereof, a pusher head fast on the inner shaft, pushers carried by the pusher head, and free grinding balls adapted to be pushed along the runner by the pushers throughout an orbit and urged toward the runner by centrifugal force, and means to guide material to the runner that it may be ground between the balls and the runner.

1,507,630. PULSATOR VALVE. SVEN LEONARD SUNDBERG, Stockholm, Sweden. Filed Feb. 6, 1923. Serial No. 617,278. 3 Claims. (Cl. 31—72.)



1. A device of the class described, comprising, in combination, a double-walled vessel having a variable pressure chamber between its walls, a valve casing in communication with said chamber and with the interior of the vessel, said valve casing being provided with an air-inlet port of greater diameter than that of its communication with the vessel, a reciprocatory valve member in said casing adapted alternately to close said port and said communication with the vessel, said valve being provided with a plurality of channels communicating with said variable pressure chamber and said air-inlet port, and means for placing said vessel in communication with a vacuum producing machine.

1,507,631. VEHICLE DOOR LOCK. BAYARD E. TAYLOR, Oak Park, Ill. Filed June 14, 1920. Serial No. 388,733. 10 Claims. (Cl. 70—29.)



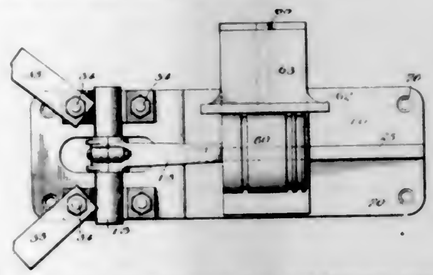
1. A door lock comprising a latch bolt, a wedge, a mechanism for impelling said latch bolt and the wedge outwardly into a latching position, handle mechanisms operable independently of each other for retracting the latch bolt and wedge, and means locking the latch bolt against retraction by said handle mechanisms.

1,507,632. GOLF-CLUB TOOL. ISRAEL R. TAYLOR, Asbury Park, N. J. Filed Oct. 26, 1922. Serial No. 597,100. 4 Claims. (Cl. 15—236.)



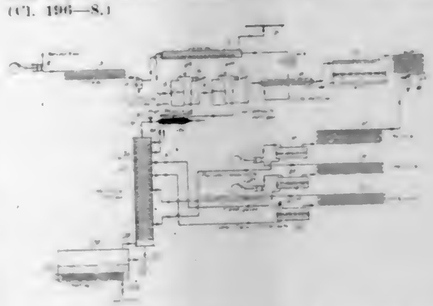
1. A repair tool for golf clubs comprising a handle and a blade integral therewith, a fin r guard being formed at the junction between the handle and the blade, said blade being wedge-shaped in cross section, and teeth being provided along one of its edges.

1,507,633. TESTING AND TRUING DEVICE. JOHN C. TAYLOR, Hermansville, Mich. Filed Dec. 4, 1922. Serial No. 604,840. 2 Claims. (Cl. 33—180.)



1. An apparatus for testing and straightening piston rods comprising an elongated base having upstanding sides provided with notches, a mandrel received in said notches and adapted for connection with a piston rod, a carriage slidable upon said base and extended for a substantial distance beyond one longitudinal edge of the same, a piston contact block slidably mounted on said carriage and movable transversely of the longitudinal axis of the base and provided with an upstanding piston contact plate, there being a tongue and groove connection between the carriage and the base and between the piston contact block and the carriage.

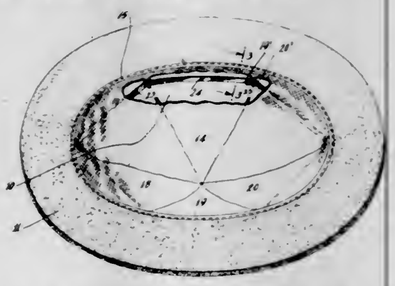
1,507,634. PROCESS OF MAKING GASOLINE. HAROLD E. THOMPSON, Clendenin, W. Va., assignor to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Original application filed Aug. 29, 1921, Serial No. 496,321. Divided and this application filed Sept. 8, 1922. Serial No. 586,811. 6 Claims. (Cl. 196—8.)



1. Process of making gasoline which comprises producing from natural gas a concentrate of its heavier hydrocarbons, separating from said concentrate a more volatile fraction and a less volatile fraction, rectifying

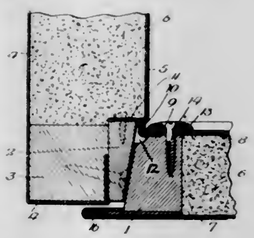
said less volatile fraction in a rectifying column to produce a liquid and a vapor, compressing said more volatile fraction, cooling it by heat-interchange with the vapor from the less volatile fraction, and expanding the material so cooled into the rectifying column at a point above the place of introduction of said less volatile fraction.

1,507,635. LADY'S AND CHILD'S HAT. BENJAMIN B. TURCHIN, Brooklyn, N. Y. Filed Dec. 2, 1921. Serial No. 519,549. 2 Claims. (Cl. 2—190.)



1. A hat comprising a rim, a crown, and a lining on the interior of said crown, said lining comprising a plurality of sections secured to each other to form a single, smooth interior surface and an elastic member attached to each of said sections, and the length of each of said elastic members being substantially smaller than the width of the section to which it is attached.

1,507,636. REFRIGERATOR-DOOR SEAL. JOHN TWARDOWSKY, Chicago, Ill., assignor, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,514. 5 Claims. (Cl. 20—69.)



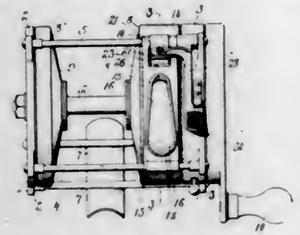
1. In combination with a door frame, and a door having a continuous recess adjacent to the inner edges thereof, a compressible sealing member of substantially L-shape cross-section having one web thereof secured to the inner face of the door so as to cause the other web to lie in alignment with the recess and to have edgewise engagement with the door frame, whereby upon such engagement the apex portions of the member may move into the recess.

1,507,637. INSECTICIDE. JAMES A. ULLMAN, White Plains, N. Y. Filed Mar. 25, 1922. Serial No. 546,805. 7 Claims. (Cl. 167—6.)

1. A composition for insecticidal use in aqueous dilution, comprising pyridine in a medium of soap forming a homogeneous mixture of jelly-like consistency capable of rapid dispersion when admixed with water.

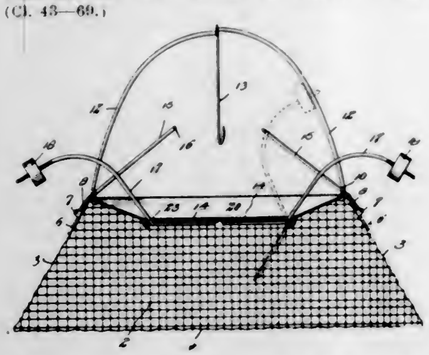
3. A jelly-like insecticide comprising pyridine and the potassium soap from cocoanut oil and capable of very rapid dispersion in water.

1,507,638. FISHING REEL. HUBERT C. VERHEY, Ocean City, N. J. Filed Aug. 30, 1922. Serial No. 585,140. 5 Claims. (Cl. 242—84.5.)



2. A fishing reel comprising, a frame, a spool rotatably mounted upon the frame, a braking surface formed upon the spool adapted for applying thumb pressure to retard the rotation of the spool, a thumb rest secured upon the frame adjacent to said braking surface of the spool, and said thumb rest positioned eccentrically in relation to said braking surface whereby a movement of the thumb along said rest will vary the pressure of the thumb upon said braking surface.

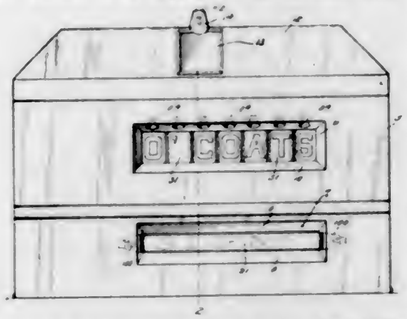
1,507,639. SMALL-ANIMAL TRAP. ANDREW J. WADDELL and WASHINGTON W. WADDELL, Holcomb, Mo. Filed Apr. 25, 1922. Serial No. 556,383. 1 Claim. (Cl. 43—69.)



A trap comprising a body, an open center frame applied to the top thereof, said frame having inclined side walls, a stop member mounted upon the frame at the outer portion thereof and disposed over the side of the frame and having an angularly disposed extremity disposed over the opening in the center of the frame, a platform hinged to the inner edge of the frame and at the same side thereof at which the stop member is mounted, a curved rod mounted upon the platform in the vicinity of the hinged edge thereof, said rod extending over the adjacent side of the frame, a weight carried at the outer end of the curved rod and normally disposed beyond the outer edge of the adjacent side of the frame, the angular extremity of the stop member being located in the path of movement of the rod when the platform is swung in a downward direction with relation to the frame, the parts being so arranged and the curvature of the rod being such that when the platform is swung down, the weight is carried to a point lying vertically between the platform and the frame and the outer edge of the adjacent side of the frame.

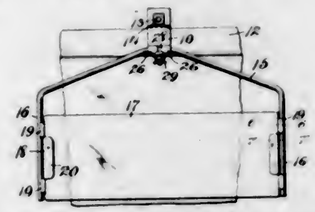
1,507,640. ADVERTISING DEVICE. FRANK WADDEY, Franklin, Tenn. Filed Nov. 19, 1923. Serial No. 675,693. 5 Claims. (Cl. 40—30.)

1. In an advertising device, a casing formed with an opening, a frame structure positioned within said casing, a longitudinal shaft journaled within said frame, means for rotating the same, a carriage rectilinearly movable in opposite directions upon said shaft, a longitudinal row of letter carrying elements slidably disposed upon the frame structure and normally positioned beneath the opening in the casing, abutments carried by said letter carrying elements adapted to be engaged by the carriage while the



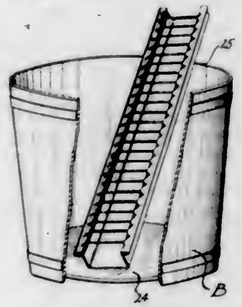
same is moving in a certain direction, means for maintaining said letter carrying elements in a raised position, and means automatically operable by the return movement of the carriage for releasing, said means for allowing said letter carrying elements to drop to their initial position beneath the opening in the casing.

1,507,641. GLARE ELIMINATOR. ALBERT H. WADELL, Newark, N. J., assignor of one-half to Carl E. Anderson, East Orange, N. J. Filed Aug. 12, 1922. Serial No. 581,292. 4 Claims. (Cl. 296—97.)



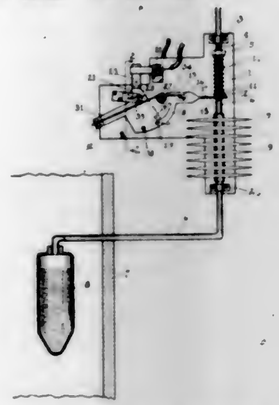
1. A glare eliminator comprising an open frame having side arms with a spring action, clips, a transparent plate between the clips, the arms being pressed against the clips and the clips being pressed against the plate solely by the spring action of the arms.

1,507,642. SEED-CORN SHELLER. JAMES A. WALKER, Lerna, Ill. Filed Feb. 25, 1922. Serial No. 539,235. 4 Claims. (Cl. 130—10.)



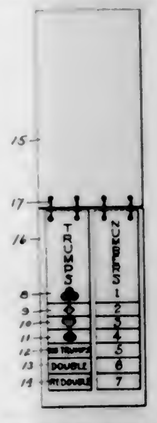
1. A corn sheller comprising a channel shaped member of sheet metal bent in substantially U-shaped manner to provide outstanding legs, and a seed engaging device including spaced bars affixed to and extending transversely between the free ends of said outstanding legs.

1,507,643. ELECTRIC SWITCH. JOHANN G. WALLMANN, Oakland, Calif. Filed Apr. 10, 1922. Serial No. 550,994. 1 Claim. (Cl. 200—70.)



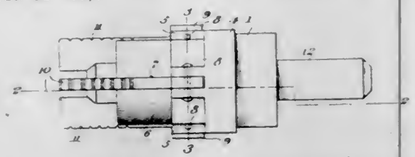
In the switch of the character disclosed, a trip lever, a shoe on said trip lever, a switch swinging member, a pair of pins on said swinging member, a spring engaging said switch swinging member at one end and connected to the pivot of said trip lever at the other end, a screw on one end of said trip lever around which said spring coils, the other end of said trip lever being adapted to be swung by the expanding member of a thermostat, one of said pins being arranged to engage said shoe and hold said switch closed until said spring is flexed by the movement of said trip lever to a point where it springs the switch open and the other pin being arranged to engage said shoe and hold the switch open until said spring is flexed sufficiently by the action of said trip lever in the opposite direction to spring said switch closed.

1,507,644. INDICATING DEVICE. SAIDER REEVE WARING, Maplewood, N. J. Filed Dec. 20, 1922. Serial No. 608,015. 1 Claim. (Cl. 116—134.)



An indicating device comprising a plurality of independent groups of indicators of successively increasing size provided with indicator markings of increasing value for the successive indicators of each group, and the groups being relatively arranged and adapted to permit any indicator of any one group to be placed in effective position in conjunction with any indicator of another group to render the respective indicator markings visible on the said indicators when placed in effective position.

1,507,645. TOOL. DAVID S. WEDGEWORTH, Saucier, Miss. Filed Dec. 20, 1922. Serial No. 608,037. 1 Claim. (Cl. 81—71).



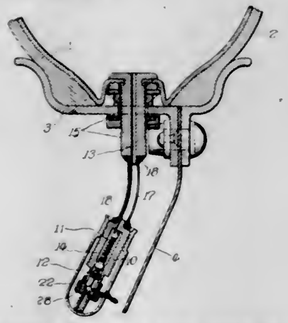
A tool for the purpose set forth comprising a head including a straight end terminating in a shoulder provided with projecting spaced ears on each of the faces thereof and having a tubular extension beyond the ears, said extension having angle slots which pass between the spaced ears, jaw members comprising blades having widened inner ends provided with elongated openings, one of said jaws being received in each of the slots, a pivot passing between the ears and through the openings of the jaws, each of said jaws having its outer edge toothed or serrated and its inner edge disposed angularly with respect to its outer edge, said head having a squared bore, a cross sectionally squared bar received in the bore and having longitudinally extending angularly disposed grooves whose inner walls are deepest at the outer ends thereof, and each of said grooves designed to receive the inner edge of one of the jaws when the bar is moved inwardly through the head.

1,507,646. SELF-SEALING INNER TUBE AND PROCESS OF PRODUCING SAME. WILLIAM W. WILDMAN, Bay City, Mich., assignor to The Wildman Rubber Company, Bay City, Mich., a Corporation of Delaware. Filed Nov. 21, 1921. Serial No. 516,674. 7 Claims. (Cl. 154—15.)



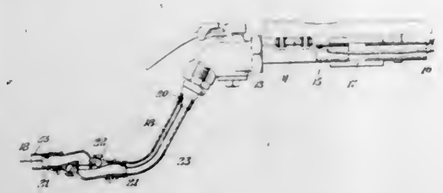
1. An inflatable self-sealing inner tube for use in tire casings, composed solely of inner and outer annular plies of elastic vulcanized rubber and a semi-annular tacky strip of crude rubber and a semi-annular solid strip of vulcanizable rubber strongly resistant to stretch superposed upon each other and vulcanized together within and to said inner and outer plies.

1,507,647. FLEXIBLE AIR VALVE FOR AUTOMOBILE TIRES. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed Mar. 23, 1921. Serial No. 454,612. 4 Claims. (Cl. 152—12.)



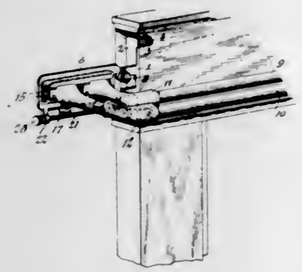
1. A one-piece metal valve stem consisting of straight inflexible segments connected by a readily flexible tubular segment.

1,507,648. TRAIN SIGNAL SYSTEM. DAVID H. WILSON, Wortendyke, N. J.; E. Pauline Wilson administratrix of said David H. Wilson, deceased. Filed Sept. 2, 1920. Serial No. 407,635. 15 Claims. (Cl. 177—352)



1. In a train signalling system, the combination with a car, of a metal air pipe provided with live ends and an insulated middle section, means for rigidly supporting and insulating the live ends of said pipe from the car, and means for electrically connecting said live ends.

1,507,649. SHADE AND CURTAIN FIXTURE. GEORGE WOSSOWICZ, Forks, N. Y. Filed Nov. 8, 1922. Serial No. 599,715. 1 Claim. (Cl. 156—24.)

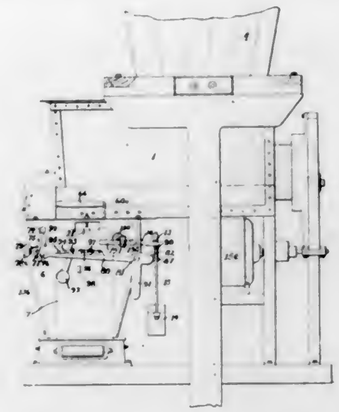


In a fixture of the type described, an attachment element having means for securement to a window frame and an arm arranged to project laterally from said frame, a plate having horizontal angular flanges projecting from its rear face and forming an undercut rear guideway which receives said arm, said plate being thereby lengthwise adjustable upon and removable from said arm, said plate also having horizontal angular flanges projecting from its front face and forming an undercut front guideway, independent supporting arms having enlarged extensions conformably and slidably engaging with the guideway between said last named flanges, and securing screws on said plate for holding said plate and supporting arms against movement from positions to which they may be adjusted.

1,507,650. AUTOMATIC WEIGHING MACHINE. WILLIAM WOOLCOTT. Winchester, Ky. Filed July 31, 1920. Serial No. 400,449. 56 Claims. (Cl. 249—15.)

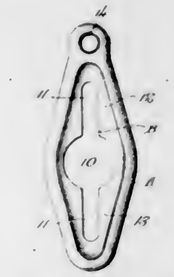
1. In an automatic weighing machine, the combination of a casing, a weighing hopper to receive the material to be weighed, a gate for controlling the flow of the material into the weighing hopper mounted at the bottom of the hopper, closing means acting independently of the weighing hopper for closing the gate, tripping mechanism controlled by the load in the hopper for controlling the time of operation of the closing means, said tripping

mechanism including movable parts and a relatively fixed detent co-operating therewith, and mounted on the



casing, said tripping mechanism operating when tripped, to disengage the said moving parts from the relatively fixed detent.

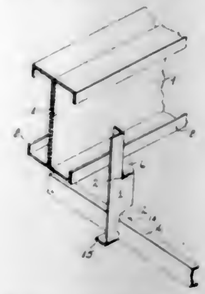
1,507,651. GRABHOOK. JAMES W. YOUNG and EDWARD LYNCH, Elmira, N. Y. Filed Sept. 7, 1922. Serial No. 588,737. 4 Claims. (Cl. 24—116.)



1. A chain grab hook of the class described, comprising an elongated flattened body casting recessed on one of two opposing faces and provided with a slot in the direction of its long axis connecting said recesses, a portion of said slot being enlarged in lateral cross-section to permit passage of chain links therethrough in any rotative position with respect to the casting and an end portion of said slot being so restricted in width as to permit only edgewise passage of chain links therethrough, the face recess being of greatest width contiguous to the enlarged slot portion and of gradually decreasing width therefrom throughout its length.

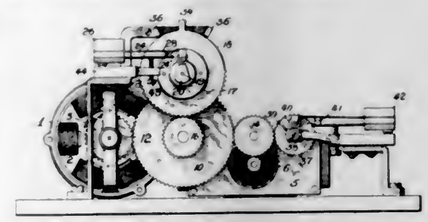
1,507,652. CEILING SUPPORT. BIRGER M. YOUNGBERG, Cleveland, Ohio. Filed July 19, 1922. Serial No. 575,924. 3 Claims. (Cl. 72—118.)

1. A ceiling support member comprising a strip having a T-shaped slot at one end forming two tongues, the upper tongue being bent at right angles to the plane of the strip and the other tongue being bent outwardly, the upper tongue being adapted to be hooked over the vertical flange of a ceiling beam, the lower tongue being adapted to be bent up against the bottom of the beam



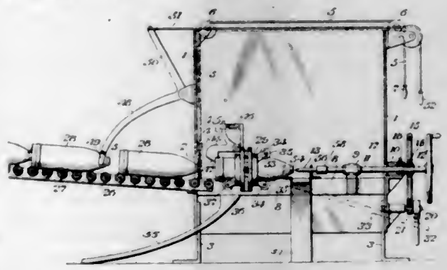
to secure the member thereon, and means on the lower end of the member adapted for engagement with the bar to be supported.

1,507,653. COMPASS RELAY TRANSMITTER. MAURICE L. ZOBEL, Rosebank, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 20, 1919. Serial No. 331,879. 11 Claims. (Cl. 77—351.)



2. In a relay transmitter, a repeater motor adapted to be controlled by movements of a sending instrument, a second motor, a cam, gearing differentially connected to said repeater motor, said second motor, and said cam, an electrical contact controlled by said cam, electrical connections between said contact and said second motor for controlling the latter, and electrical contacts adapted to be opened and closed by said second motor.

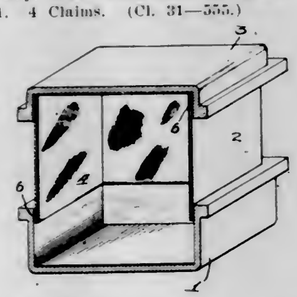
1,507,654. MACHINE FOR REMOVING THE BOOSTER CHARGE FROM HIGH-EXPLOSIVE SHELLS. GUSTAVE ALLISON, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1923. Serial No. 634,526. 15 Claims. (Cl. 29—88.2.)



1. The combination of a casing having an aperture in one side, a conveyor entering said casing through said aperture, a door for said aperture, a pivotally mounted horizontal chuck within the casing and adapted to re-

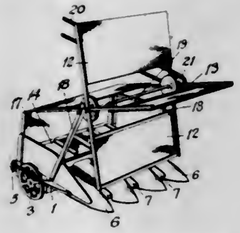
ceive a shell from the said conveyor, means for holding the shell in said chuck against a counter clock-wise rotation, a rotatable and longitudinally slidable shaft extending into said casing, a removing tool secured to the inner end of said shaft, means for rotating said shaft, and means for tilting the chuck to release the shell therefrom.

1,507,655. CHEESE BANDAGE. WINFIELD A. AUSTIN, Green Bay, Wis. Filed Nov. 12, 1923. Serial No. 674,151. 4 Claims. (Cl. 31—555.)



1. In a cheese mould, a hoop, a cheese bandage therein comprising a loop of cloth having its upper and lower margins contracted and folded over the upper and lower edges of said hoop for the purpose set forth.

1,507,656. FLAX-PULLER ATTACHMMENT FOR BINDERS. JOSEPH A. BARTOSZ, Turner, Oreg. Filed Apr. 8, 1921. Serial No. 459,556. 3 Claims. (Cl. 55—66.)

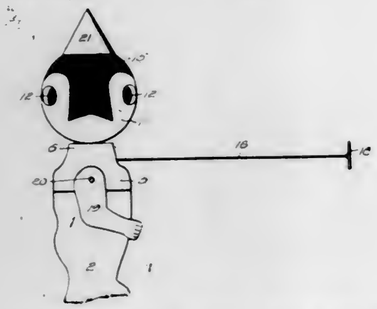


1. A flax puller attachment comprising, a frame, a plurality of flax pulling rollers journaled in the frame and projecting horizontally from one side thereof, each roller having one side flattened in accordance with Fig. V, a conveyer on the frame rearwardly of the flax pulling rollers, a reel adjustably supported on the frame, and a wheel at the end of the frame.

2. In a flax puller attachment, a frame, a plurality of bearings extending from one side of the frame to the other, a shaft journaled in each bearing, a gear at the end of the shaft outside the frame, a rubber covered roller at the other end of the shaft outside the frame, said roller being flattened on one side to substantially one half of its diameter and constituting with the adjacent roller, a flax pulling pair, a conveyer on the frame, a reel on the frame above the rollers, and a supporting wheel adjustably mounted at one end of the frame.

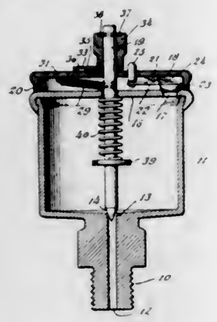
3. In a flax puller attachment, a frame, a plurality of bearings extending from one side of the frame to the other, a shaft journaled in each bearing, a rubber covered roller having one side flattened to substantially one half of its diameter, said roller forming an integral part of the shaft and extending horizontally from one side of the frame, two adjacent rollers being synchronized to form with their flattened and curved sides an alternately opening and closing pair, pointed guards mounted above the rollers and projecting with their points in advance of said rollers to guide the flax stalks into the opening pair, a reel mounted on the frame and rotating past the guards, a conveyer on the frame, and a supporting wheel at one end of the frame.

1,507,657. FIGURE TOY. EDDIE BENOIST, St. Louis, Mo. Filed Jan. 31, 1922. Serial No. 533,090. 1 Claim. (Cl. 46—40.)



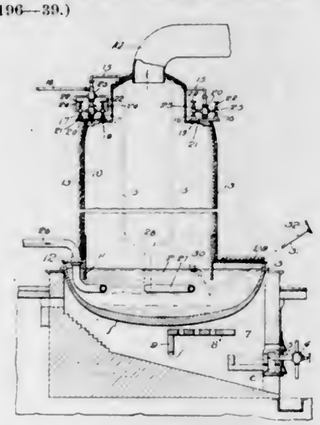
A sounding figure toy comprising a body section including integral supporting legs, said body having a socket formed in its upper end, a tubular shoulder section having a downwardly directed extension receivable in the socket of the body section for supporting the shoulder section in position, arms pivotally connected to the shoulder section, a neck section terminating upwardly from the shoulder section and provided with a laterally directed opening, a pivot pin revolubly supported by the body and neck sections, a spherically shaped head fixed to the upper end of the pivot pin to revolve therewith, a hollow cap fixed to the head, a sounding device loosely mounted upon the head within the cap, a pull cord fixed at one end to the pivot pin and capable of being wound thereupon and the free end thereof passing through the opening of the neck section, said cord when periodically pulled and quickly slackened causes the head to revolve first in one direction and then in the opposite direction.

1,507,658. OIL CUP. FREDERICK A. BERGMANN, Merrick, N. Y. Filed Feb. 10, 1923. Serial No. 618,186. 2 Claims. (Cl. 184—88.)



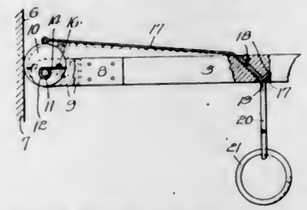
2. An oil cup having a fixed flat cover provided with an unobstructed filling hole, a level closure rotatably mounted on said cover and having a depending flange to provide a space between said closure and said cover, an arm pivotally mounted upon said closure within said space, said arm terminating in a plug adapted to engage within and seal said filling hole, resilient means contacting with said arm and cover to normally urge said plug towards said filling hole, a pin on said arm projecting through said closure, and a pair of divergent springs normally holding said closure in a position in which the plug is engaged with said hole, said closure having a contour exposing said filling hole when said cover is rotated against the action of said springs.

1,507,659. APPARATUS FOR DISTILLATION OF MINERAL OILS. ELMER E. BILLOW, Evanston, Ill., assignor of one-half to Adolphus M. Allen, Chicago, Ill. Filed May 29, 1918. Serial No. 237,198. 4 Claims. (Cl. 196—39.)



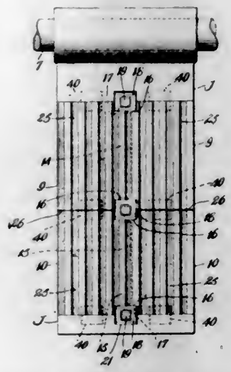
1. An apparatus for distilling mineral oil comprising an upwardly open receptacle containing a quantity of lead and means for heating said lead sufficiently to render it molten, a tower surmounting the lead container and sealed thereover to exclude air, openings in the tower at the upper part thereof, a plurality of oil injecting nozzles movably mounted adjacent each opening, arranged to be selectively registered therewith, and means for closing the opening to exclude air from the apparatus during the interchange of nozzles, said movably mounted nozzles constituting means whereby the feeding of oil through the said openings will be practically uninterrupted.

1,507,660. ROLLER-SHADE FIXTURE. FRANK M. BONHEIM, St. Louis, Mo. Filed Apr. 10, 1922. Serial No. 551,225. 4 Claims. (Cl. 156—26.)



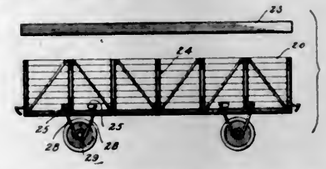
4. In a window shade holding structure, a shade-stick having a pair of converging openings with the upper and lower faces of the shade stick, a bifurcated fixture fixed to and extending from each end of the shade-stick, a cross pin carried by the bifurcated end of each bifurcated fixture, a coiled spring encircling said pin, a shade holding roller eccentrically and rotatably mounted upon said spring, a lug carried by the bifurcated fixture for engagement with one end of the coiled spring, a lug carried by the roller for engagement with the opposite end of the coiled spring, a bifurcated cord having its outer bifurcated ends connected to the peripheral face of each shade holding roller and having its inner end directed through the converging openings of the shade stick.

1,507,661. WEARING PLATE FOR CRUSHERS. CHARLES G. BUCHANAN, East Orange, N. J. Filed June 10, 1922. Serial No. 567,258. 2 Claims. (Cl. 83—53.)



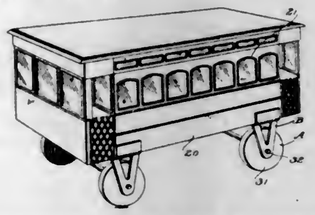
1. A reversible wearing plate composed of material adapted to flow under pressure and comprising a generally rectangular body having a flat back surface adapted to permit expansion of the plate in all directions, a central tongue member adapted to hold the plate centrally against shifting and permit expansion of said plate in all directions, and separated surfaces at the edges of the plate formed to be gripped by holding means at such separated points on opposite edges to hold the plate against the supporting surface while permitting its expansion thereon in service.

1,507,662. COMBINED PACKAGE AND TOY. LEONARD R. CARLEY, Watertown, and GEORGE H. KAY, Prospect, Conn. Filed Apr. 22, 1922. Serial No. 555,950. 5 Claims. (Cl. 46—48.)



1. A combined toy and package comprising a receptacle having a depending flange with openings or recesses therein, wire brackets adapted to engage the said flange and the side walls of said openings or recesses and be resiliently held therein, said brackets projecting beneath the said receptacle and forming axle supports, and wheels and axles rotatably mounted by said axle supports.

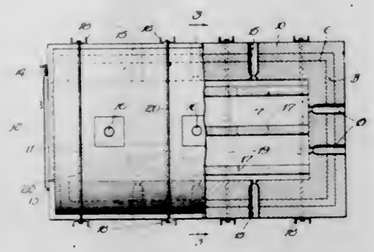
1,507,663. COMBINED PACKAGE AND TOY. LEONARD R. CARLEY, Watertown, and GEORGE H. KAY, Prospect, Conn. Filed Apr. 22, 1922. Serial No. 555,951. 3 Claims. (Cl. 46—48.)



1. A combination package and toy comprising a container, wheels and axles therefor, and axle-supporting brackets having an open loop at their upper extremities

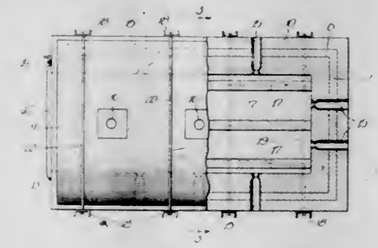
adapted to pierce the bottom wall of the container and to receive the side wall in said open loop and rigidly engage the same and support the axles and wheels.

1,507,664. FURNACE OPERATION. HORACE H. CLARK, Chicago, Ill. Filed Aug. 12, 1920. Serial No. 403,001. 4 Claims. (Cl. 25—132.)



1. A method of enameling, which consists in heating a furnace chamber until a desired temperature is obtained, stopping the source of heat, placing the articles to be enameled in the chamber, withdrawing the articles from the chamber, and again applying heat to said chamber to restore former temperature thereof for the reception of another lot of articles to be enameled.

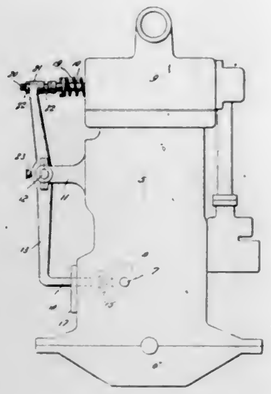
1,507,665. METHOD OF FURNACE OPERATION. HORACE H. CLARK, Oak Park, Ill. Filed Oct. 26, 1921. Serial No. 510,551. 4 Claims. (Cl. 263—1.)



1. A method of subjecting metals, refractory materials, and the like to high temperatures, which consists in heating a furnace chamber until a desired temperature is obtained, stopping the source of heat, opening the chamber to atmosphere down to the floor of the chamber, placing the articles to be treated in the chamber, withdrawing the articles from the chamber when necessary, and again applying heat to said chamber to restore temperature thereof for the reception of other articles to be treated.

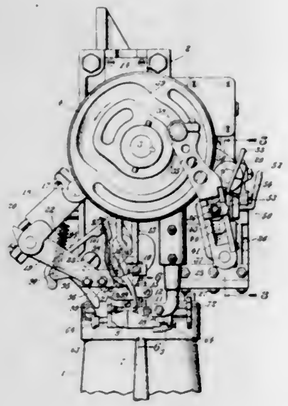
1,507,666. INTERNAL-COMBUSTION ENGINE. EDGAR LEE DAVIS, West Frankfort, Ill. Filed July 13, 1923. Serial No. 651,192. 1 Claim. (Cl. 123—90.)

In an internal combustion engine, having a cylinder and a crank casing with a cam shaft journaled therein, said crank casing being provided at its side with an opening, a hanger attached to the side of the cylinder and having a bearing, a rocker arm having a shaft which is journaled in the bearing, the rocker arm being provided with a rectangularly disposed extremity which passes through the opening in the side of the crank casing, said extremity being integral with the rocker and operatively engaging the cam shaft, a slide member having a central opening which snugly receives said extremity, guides for holding the slide member over the opening in the crank casing, and adapted to guide the movement



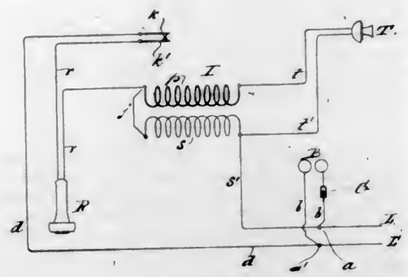
of the slide member, a bolt adjustably mounted at the opposite end of the rocker and engaging the stem of a valve of the engine.

1,507,667. FASTENER-INSERTING MACHINE. STEPHEN A. DOBYNE, St. Louis, Mo., assignor to Champion Shoe Machinery Company, St. Louis, Mo., a Corporation of Missouri. Filed June 11, 1917. Serial No. 174,096. 40 Claims. (Cl. 1—27.5.)



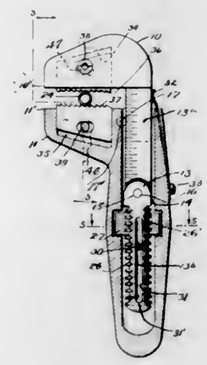
33. In a machine of the class described, fastener inserting mechanism including an element mounted for movement into and out of the line of drive, a work feeding awl mounted for movement into and out of the line of drive, means for imparting to said awl successively, an initial clearing movement in the direction of the feed, a piercing movement and a feeding movement, means for increasing the feeding movement of said awl adapted to decrease the clearing movement, and means for moving said element adapted to cause the same to dwell when in the line of drive in order to permit the insertion of a fastener into the hole formed by the awl.

1,507,668. TELEPHONE INSTALLATION. EDWARD A. DRISCOLL, New York, N. Y. Filed June 15, 1921. Serial No. 477,644. 4 Claims. (Cl. 179—81.)



1. In a telephone installation embodying a central energy system the combination of a pair of line wires, a receiver, a transmitter, and an induction coil having a primary winding of low resistance and a secondary winding of high resistance, said transmitter and the primary winding of said induction coil being in series with each other but in parallel with the secondary winding with reference to said line wires.

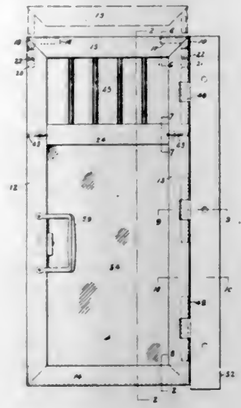
1,507,669. COMBINATION WRENCH. LOUIS G. ECONOM, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,559. 3 Claims. (Cl. 81—106.)



1. In a combination wrench, the combination of a handle having a slot formed therein, a shank adapted to be reciprocated in said slot and having a groove formed on the lower portion thereof, means for permitting said shank to have a rocking movement, means for preventing said rocking movement when desired, resilient means for maintaining and guiding the shank when reciprocated, and means for preventing the withdrawal of the shank from the slotted handle, said means comprising a set-screw adapted to abut the shank adjacent the grooved face thereof.

1,507,670. SHOWER-BATH-STALL DOOR. LOUIS F. EISELE, Philadelphia, Pa. Filed Apr. 9, 1923. Serial No. 630,698. 11 Claims. (Cl. 199—46.)

9. A door structure including a channel frame; filler strips within the channels of the frame; a panel within the channels between the filler strips, one side of the channel frame being recessed; mounting means having



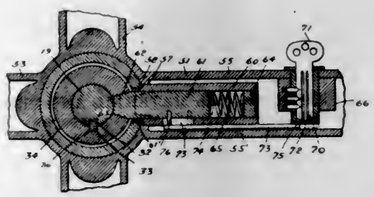
sleeves fitting within the recesses, and pins secured to the sleeves and extending into the frame between the channel and the filler strip.

1,507,671. DETACHABLE RING FOR TIRE RIMS. FRANK S. GREENE, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 25, 1921. Serial No. 455,597. 2 Claims. (Cl. 152—21.)



1. The combination with a rim having a flange at one side and a groove at the opposite side, said groove being imperforate, of a tire engaging ring adapted to fit into said groove, said ring being divided at one point of the abutting ends of said ring interlocking to prevent radial movement at one end with reference to the other, one of said ends, however, being capable of radial movement by external force, to separate said ends.

1,507,672. STEERING-WHEEL MECHANISM FOR AUTOMOBILES. JACOB R. GRIFFITH, Kansas City, Mo. Filed Oct. 11, 1921. Serial No. 507,015. 5 Claims. (Cl. 70—129.)



2. In an automobile, and in combination with the steering mechanism, and its actuating spindle, of a steering wheel and its hub, having an opening therein, and separate sleeves in said opening having depressions in their upper surfaces, one of which sleeves is keyed to

said spindle, and locking means to both sleeves and caps within said opening in said hub having flanges, adapted to be retained within the depression in said sleeve.

1,507,673. AGGLOMERATED FINELY-DIVIDED MATERIAL AND PROCESS OF PRODUCING THE SAME. THEODORE NAGEL, New York, N. Y. Filed Apr. 21, 1923. Serial No. 633,805. 15 Claims. (Cl. 44—16.)

1. The process of agglomerating a finely divided material which consists in mixing said material with an organic binder containing phosphorous in inorganic combination, and capable of hardening upon heating; and heating said mixture to a temperature sufficient to harden said binder.

1,507,674. PROCESS OF BRIQUETTING FINELY-DIVIDED MATERIALS. THEODORE NAGEL, New York, N. Y. Filed Apr. 21, 1923. Serial No. 633,806. 8 Claims. (Cl. 44—16.)

1. The process of agglomerating a finely divided material which consists in mixing said material with a binder containing sulphite pitch and combined phosphorus, such binder being capable of hardening upon heating; and heating said mixture to a temperature sufficient to harden said binder.

1,507,675. BINDING-FUEL MATERIAL. THEODORE NAGEL, New York, N. Y. Filed Apr. 21, 1923. Serial No. 633,807. 9 Claims. (Cl. 44—16.)

1. The process of making a binding fuel material for agglomerating finely divided substances, which is capable of hardening and becoming water-insoluble when heated, which consists in mixing an organic compound with combined phosphorus in such proportions that upon heating said mixture it will form a hard water-insoluble binder.

1,507,676. BINDING-FUEL MATERIAL FOR BRIQUETTING FINELY-DIVIDED MATERIALS AND PROCESS OF PRODUCING THE SAME. THEODORE NAGEL, New York, N. Y. Filed Apr. 21, 1923. Serial No. 633,808. 6 Claims. (Cl. 44—16.)

1. The process of making a binding fuel material for agglomerating finely divided substances which is capable of hardening and becoming water-insoluble when heated which consists in mixing an organic compound containing sulphite pitch with combined phosphorus in such proportions that upon heating said mixture it will form a hard water-insoluble binder.

1,507,677. BINDING-FUEL MATERIAL AND METHOD OF PRODUCING SAME. THEODORE NAGEL, Brooklyn, N. Y. Filed Dec. 8, 1923. Serial No. 679,304. 7 Claims. (Cl. 44—1.)

1. The method of making a binding fuel material for finely divided substances which method consists in mixing a liquid possessing adhesive properties with a material possessing drying properties in such proportions that upon incorporating with the finely divided substances, pressing and heating, said mixture will form a hard, smokeless, water-insoluble binder.

1,507,678. BINDING-FUEL MATERIAL AND PROCESS OF PRODUCING THE SAME. THEODORE NAGEL, Brooklyn, N. Y. Filed Dec. 8, 1923. Serial No. 679,305. 6 Claims. (Cl. 44—15.)

1. A method of making a hard, water-insoluble, non-volatile binding fuel material which method consists in mixing sulphuric acid or the like with a water-soluble organic adhesive material in such proportions that upon incorporating with comminuted materials, pressing into briquets and heating, the particles forming the briquets will be held together by a hard, water-insoluble, non-volatile binder.

1,507,679. FUEL. THEODORE NAGEL, Brooklyn, N. Y. Filed Dec. 8, 1923. Serial No. 679,306. 10 Claims. (Cl. 44—15.)

1. The method of making a binding material for finely divided substances, which method consists in mixing a liquid possessing adhesive properties with a dilute dehydrating agent without the generation of heat, while so proportioning the ingredients of the mixture that, upon heating after incorporation with comminuted material and pressing, a reaction will result to produce hard, water-insoluble agglomerates.

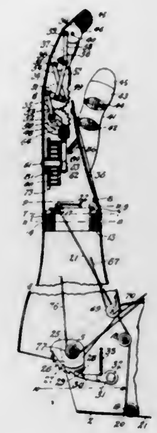
1,507,680. ARTIFICIAL LIMB. ALBERTO PECORELLA and VINCENT PATRICOLO, Buffalo, and FREDERICK H. APEL, Athol Springs, N. Y., assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 17, 1921. Serial No. 508,112. Renewed Feb. 15, 1924. 13 Claims. (Cl. 3—12.)



6. An artificial limb comprising a palm, a finger pivoted on said palm, and means for actuating said finger comprising a keeper on the palm, an adjusting bar pivoted on the finger and adapted to move lengthwise of said keeper and engage different parts of its length with the same, a guide pulley arranged on the palm above said keeper, and an operating line passing around said pulley and having two backwardly extending stretches one of which forms a releasing stretch and is connected with the rear part of the adjusting bar and the other of which forms a pulling stretch and is adapted to be operated manually, said bar having its rear part arranged between said pulley and keeper and adapted to be moved laterally out of engagement from said keeper upon drawing backwardly on said pulling stretch.

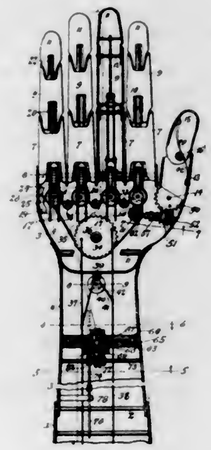
1,507,681. ARTIFICIAL LIMB. ALBERTO PECORELLA and VINCENT PATRICOLO, Buffalo, N. Y., assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y., a Corporation of Delaware. Substitute for abandoned application Serial No. 241,927, filed June 26, 1918. This application filed Mar. 14, 1924. Serial No. 699,372. 11 Claims. (Cl. 3—12.)

1. An artificial limb comprising a palm, a digit having a first section pivoted on said palm, a section pivoted on said first section and a third section pivoted on said second section, and means for turning said third digit section comprising a shifting member extending from the pivotal connection between said palm and first digit



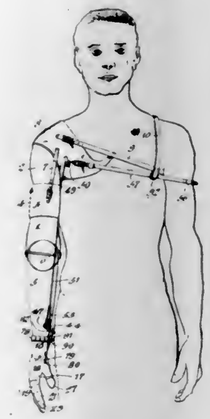
section to said third digit section on one side of the pivotal connection between the same and said second digit section.

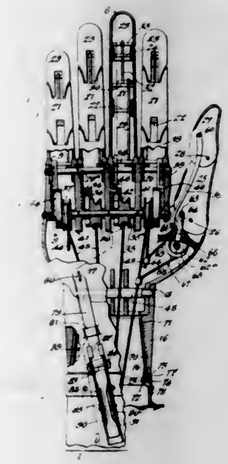
1,507,682. ARTIFICIAL LIMB. ALBERTO PECORELLA and VINCENT PATRICOLO, Buffalo, and FREDERICK H. APEL, Athol Springs, N. Y., assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y., a Corporation of Delaware. Substitute for abandoned application Serial No. 272,808, filed Jan. 24, 1919. This application filed Mar. 17, 1924. Serial No. 699,950. 16 Claims. (Cl. 3—12.)



15. An artificial limb comprising a forearm, a wrist pivoted to turn on said forearm about a longitudinal axis, an arm to which said forearm is pivoted to turn laterally, and means for turning said wrist including a worm wheel connected with said wrist, and a worm meshing with said worm wheel and operatively associated with said arm to receive motion therefrom.

1,507,683. ARTIFICIAL LIMB. ALBERTO PECORELLA and VINCENT PATRICOLO, Buffalo, and FREDERICK H. APEL, Athol Springs, N. Y., assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y., a Corporation of Delaware. Substitute for abandoned application Serial No. 340,330, filed Nov. 24, 1919. This application filed Mar. 18, 1924. Serial No. 700,180. 20 Claims. (Cl. 3—12.)



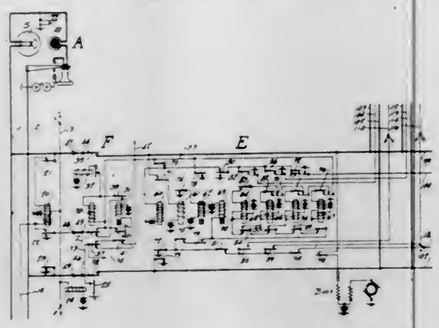


1. An artificial limb comprising a palm, a finger pivoted on the palm, and means for actuating said finger comprising a rotary cam pivotally mounted on said palm, and a link pivotally connected with said finger and operatively engaged by said cam.

1,507,684. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1921. Serial No. 489,052. 30 Claims. (Cl. 179—18.)

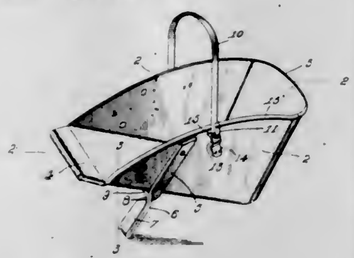
1. In a telephone system, an automatic connector switch controlled over a calling line to connect with another line as a called line, a push button at the calling station, ringing equipment in said connector con-

trolled by said push button to signal the called station, and circuit arrangements in said connector such that



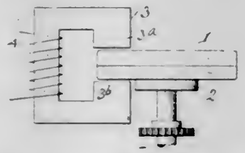
the ringing current is disconnected from the called line immediately upon the response of the called subscriber even though the said push button is still operated.

1,507,685. COAL HOD. ALFRED T. ROBINSON, Saginaw, Mich. Filed Sept. 12, 1923. Serial No. 662,313. 2 Claims. (Cl. 220—2.)



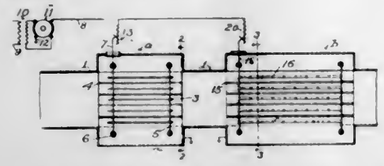
1. A coal hod comprising a substantially rectangular body, legs therefor for sustaining the bottom of the body at an inclination, said legs being constructed from a single strip of metal including side members which are secured to the sides of the body, said sides directly below the body being of a half twist and from thence extended and bent upon themselves and continued in a line with the first mentioned extensions and thence given a half twist to rest against the first mentioned twist, and the connecting element for the legs underlying the bottom of the body and secured thereto, and a bail handle pivotally connected to the sides of the body and sustained at an upward angle with respect to the body in any of its positions.

1,507,686. METHOD AND APPARATUS FOR VULCANIZING RUBBER ARTICLES. RALPH R. ROOT, Lakewood, Ohio. Filed Dec. 29, 1919. Serial No. 347,891. 3 Claims. (Cl. 18—6.)



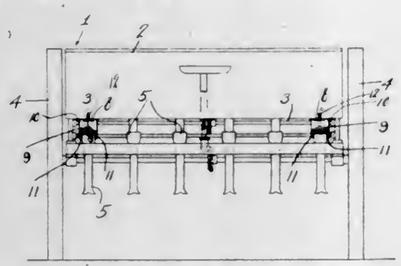
1. The method of vulcanizing rubber articles in metal molds which consists in successively subjecting parts of the mold to the action of a magnetic field of constantly changing density.

1,507,687. METHOD AND APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. WALTER A. SCHMIDT, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 15, 1920. Serial No. 430,891. 5 Claims. (Cl. 183—7.)



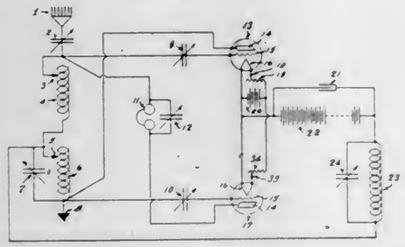
1. The method of treating independently ionized gases containing suspended particles, which consists in initially subjecting such gases to the action of a purely electrostatic field having an extended sphere of action and of high intensity sufficient to largely deionize the gases and then independently subjecting the gas thus treated separately to the action of an electric discharge.

1,507,688. GRAIN DRILL. HERMAN D. SCHUETT, Hull, Iowa. Filed Feb. 20, 1922. Serial No. 538,061. 1 Claim. (Cl. 193—9.)



In a grain drill, a feed wheel housing having an outlet, a delivery tube pivotally supported beneath and to the rear of said outlet, a cover for said tube hinged to said housing above said outlet, said cover inclining downwardly and rearwardly from said housing, and having flanges overlying and contacting with the side of the delivery tube, and a leaf spring secured to the rear of said housing and having a portion bearing on said cover.

1,507,689. RADIO TELEGRAPH AND TELEPHONE RECEIVING SYSTEM. FREDERICK GRANT SIMPSON, Seattle, Wash. Filed Nov. 4, 1922. Serial No. 598,976. 16 Claims. (Cl. 250—20.)



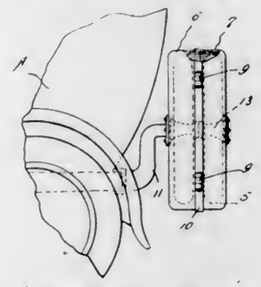
1. Radio receiving apparatus embodying an oscillatory antenna circuit, an electric current generator, circuit means connecting said generator with said oscillatory antenna circuit, two electric valves interposed in said circuit means and arranged to permit said generator

to supply uni-directional current impulses to said oscillatory antenna circuit, the circuit including said generator being adjusted to be resonant at substantially twice the frequency of said oscillatory antenna circuit.

1,507,690. PROCESS OF MAKING CALCIUM ARSENATE IN DRY POWDERED FORM. WILLIS H. SIMPSON, East Orange, N. J. Filed June 14, 1923. Serial No. 645,352. 3 Claims. (Cl. 23—13.)

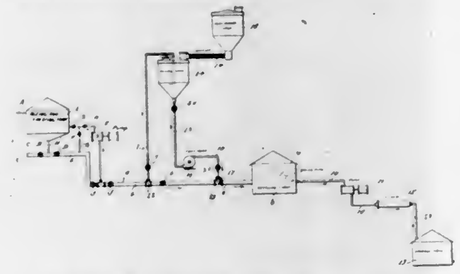
1. The process of making calcium arsenate which consists in grinding calcium oxide and applying a hydrated oxide of arsenic thereto simultaneously during the grinding thereof, regulating the amount of the hydrated oxide of arsenic so applied to cause the removal of all of the free water therefrom by the calcium oxide, producing calcium arsenate in a dry powdered form.

1,507,691. SPARE-WHEEL CARRIER FOR VEHICLES. CECIL SLAVENS, Mart, Tex. Filed June 5, 1923. Serial No. 643,511. 1 Claim. (Cl. 224—29.)



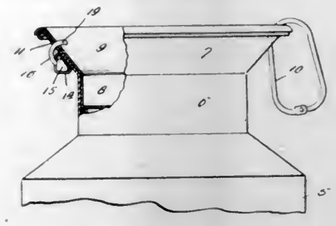
A carrier for spare wheels comprising a casing composed of a pair of symmetrical half-sections hingedly connected together, each section being shaped to conform to the shape of the wheel which it is adapted to contain and the outer side of each section being in the form of an open work grid, and each of said grids carrying opposed studs shaped to receive the wheel hubs, and the inner adjacent end of said studs being screw threaded to receive the usual hub cap for maintaining the wheels in place.

1,507,692. PROCESS OF PURIFYING LIGHT PETROLEUM OILS. FRANCIS H. SMITH, El Segundo, and GEORGE J. ZISER, Los Angeles, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed July 31, 1922. Serial No. 578,606. 2 Claims. (Cl. 196—41.)



1. The process of treating those light hydrocarbon distillates which contain compounds that, upon standing, form color bodies, which process includes aging the distillate until the distillate has developed substantially its maximum color, and then removing the produced color bodies by contacting the distillate with an adsorptive material.

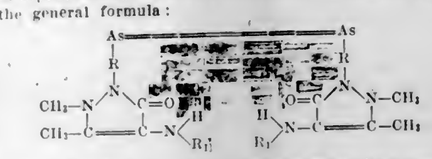
1,507,693. MILK-CLOSURE FASTENER. THOMAS B. SMITH, Jr., Pocatello, Idaho. Filed Aug. 25, 1923. Serial No. 659,252. 3 Claims. (Cl. 31—78.)



1. In combination with a milk can having a cylindrical neck provided with a flared mouth, and a cover for said can comprising a cylindrical lower portion adapted to be slidably fitted into the neck and a flared upper portion adapted to contact the inner surface of the flared mouth of the can, and wherein the flared portions of the can and cover are provided with aligned openings, an angular clasp rigidly attached to the outer surface of the flared mouth of said can beneath said openings, an angular pintle snugly embraced by said clasp for pivotally mounting the pintle for swinging movement, and a rigid curved arm projecting from the pintle and adapted to move into and out of said opening.

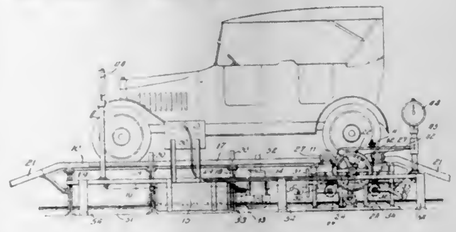
1,507,694. MANUFACTURE OF ARSENO COMPOUND OF THE PYRAZOLONE SERIES. KARL STREITWOLF, Hochst-on-the-Main, Germany, assignor to Hermann A. Metz, New York, N. Y. Filed Oct. 23, 1920. Serial No. 419,158. 6 Claims. (Cl. 260—15.)

4. As new products, the compounds of the arseno-di-(1-aryl-2.3 dialkyl-4-amino 5-pyrazolone) corresponding to the general formula:



wherein R stands for an aryl residue and at least one R_1 represents an acid group, whilst the second R_1 may be a hydrogen atom; said compounds being, when crystallized, yellow crystalline powders and forming, when combined with alkalies, yellow alkali salts readily soluble in water.

1,507,695. AUTOMOBILE TESTING AND REPAIR DEVICE. JOHN P. TEMPLEMAN and FRANK TEMPLEMAN, Chicago, Ill. Filed Nov. 12, 1921. Serial No. 514,512. 20 Claims. (Cl. 265—24.)



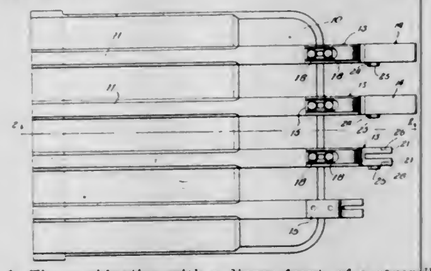
1. In a device of the character described, means to support an automobile, friction devices for engagement with each of the driving wheels of the automobile, a power testing device connected with each of said friction devices, and indicators connected with each of said testing devices.

1,507,696. APPARATUS FOR PREPARING SKINS FOR STITCHING. LOUIS P. TOSADORI, Beaver Falls, Pa. Filed June 21, 1923, Serial No. 646,800. Renewed July 28, 1924. 2 Claims. (Cl. 17—45.)



1. In a gut holding apparatus, a mandrel having a channel therein, upwardly projecting pins in said channel, a pair of separable locking strips removably held in position by said pins, and a pair of separable clamping strips adapted to cooperate with said locking strips, said strips having interengaging clamping means to clamp a plurality of gut sections therebetween for sewing and being bodily removable from the mandrel with the clamped gut sections, each clamping strip and its cooperating locking strip being bodily movable relative to the other clamping strip and its cooperating locking strip to separate the severed edges of the gut sections preparatory to stitching, substantially as described.

1,507,697. DIPPER. ERNEST EDGAR CRANE, Minneapolis, Minn., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 22, 1923. Serial No. 664,199. 4 Claims. (Cl. 37—142.)



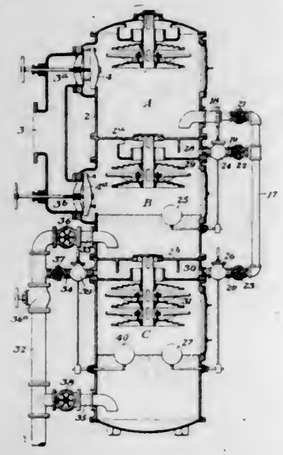
1. The combination with a dipper front, of a reversible dipper tooth base secured to the front, and a reversible dipper tooth secured to the base.

1,507,698. ICE-CREAM DISHER. WILLIAM H. CRAVEN, Philipsburg, Pa. Filed June 6, 1923. Serial No. 643,667. 1 Claim. (Cl. 226—19.)



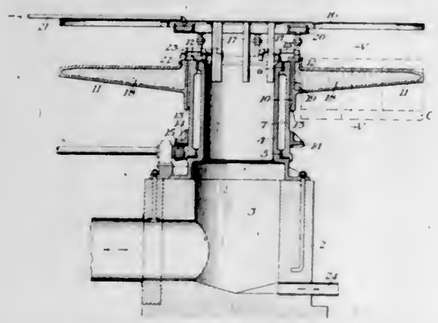
A carton filling device comprising a substantially elongated hollow cylindrical member open at each end and adapted to receive the carton to be filled and permanently of a length greater than the length of the carton, said member having a continuous outstanding flange at the outer end thereof and further provided at its inner end with a continuous inturned portion to provide an abutment for the edge at the open end of the carton, said inturned portion extending inwardly at an angle with respect to the wall of the cylinder and a cutting blade upon the outer surface of the cylinder extending from the lower to the upper edge and at an inclination thereof.

1,507,699. APPARATUS FOR TREATMENT OF LIQUIDS. WILLIAM S. ELLIOTT, Pittsburgh, Pa. Filed Jan. 14, 1921. Serial No. 437,240. 18 Claims. (Cl. 183—25.)



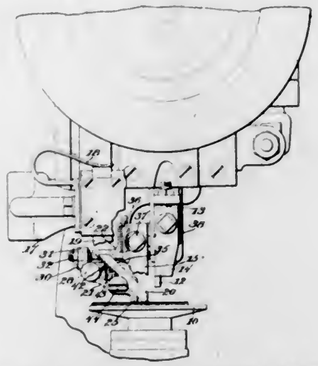
1. Apparatus for separating gases from liquids, comprising a plurality of chambers, and connections whereby at least one of said chambers may be isolated from the others at will and at least one of said chambers may be used either as a liquid heating chamber or a chamber receiving heated liquid and separating gases therefrom, substantially as described.

1,507,700. COIL CARRIER. KIRTLAND C. GARDNER, Coraopolis Heights, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1923. Serial No. 620,341. 9 Claims. (Cl. 257—1.)



4. In a coil carrier, a fixed standard, a plurality of coil receiving arms detachably secured to said standard and extending outwardly therefrom, means for rotating said arms, and means for supplying cooling water continuously to each of said arms, substantially as described.

1,507,701. INSOLE MACHINE. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 5, 1919. Serial No. 308,856. 7 Claims. (Cl. 12—20.)



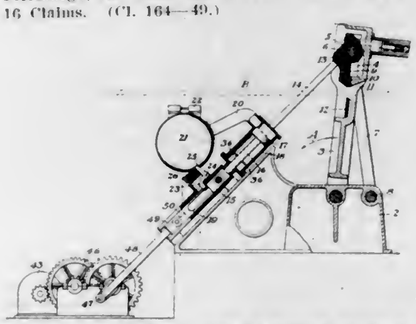
4. A machine for operating on reinforced insoles having, in combination, means for supporting and feeding the insole, a support having a flat work-engaging surface, a knife opposed to said support, for severing the reinforcing material along a line on the feather, having its cutting blade normal to the surface of said support, a presser foot also having a flat, work-engaging surface parallel to the surface of said support and bearing on the feather to predetermine the depth of cut, means whereby the projection of said blade below said foot may be adjusted so that no substantial incision will be made in the feather and means acting continually to force the work support toward the knife, said flat surface of the support being provided with a groove to receive said blade when no work is in the machine.

1,507,702. COMBINED VEHICLE BUMPER AND ROAD LIGHT. JOSEPH B. HARRIS, Buffalo, N. Y. Filed May 31, 1923. Serial No. 642,416. 6 Claims. (Cl. 240—7.)



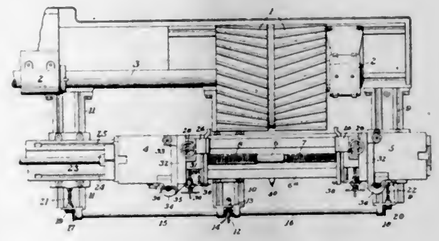
1. A combined vehicle bumper and roadway illuminator, comprising a hollow impact-member constructed to extend from side to side of a vehicle and provided in its front side with an opening, and a lamp body housed in said impact member and having its front portion arranged in said opening, to illuminate the roadway in front of the vehicle.

1,507,703. FLYING SHEARS. JULIAN KENNEDY, Jr., Pittsburgh, Pa. Filed Mar. 8, 1922. Serial No. 542,007. 16 Claims. (Cl. 164—49.)



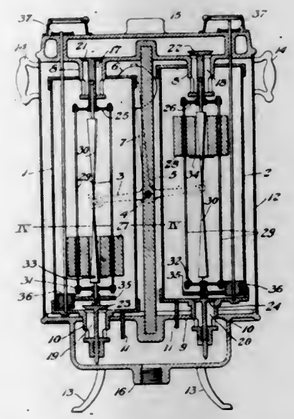
1. In a mechanism for shearing moving bodies, a movable shear frame, a plurality of shearing blades carried thereby, means exerting a continuous force for moving said frame and producing relative movement between said blades in shearing direction, and other means for producing both a return movement of said frame and a relative movement between said blades in the opposite direction, substantially as described.

1,507,704. GEAR-PLANING MACHINE. NIS LEERBERG, Edgewood, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1920. Serial No. 421,912. 4 Claims. (Cl. 90—8.)



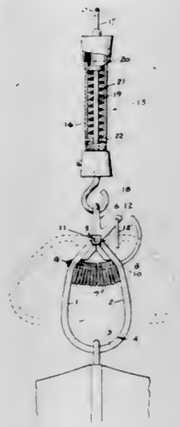
1. In a gear planing machine, the combination of a pivotally mounted tool holder having an extension thereon, two rollers on said extension and a cam mounted between and in constant contact with said rollers, and means for rotating both of said cams to rotate said holder around its pivot and means for reciprocating said tool holder.

1,507,705. LIQUID-MEASURING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa. Filed Sept. 9, 1921, Serial No. 499,563. Renewed Feb. 4, 1924. 4 Claims. (Cl. 73—28.)



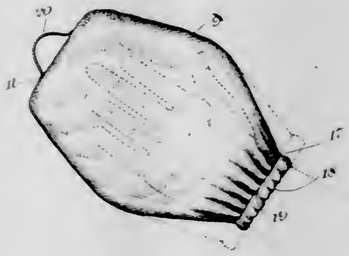
1. In liquid-measuring apparatus the combination of a bucket, two vertically aligned filling and emptying valves, the said valves being provided with stems prolonged and abutting one upon the other, such abutting permitting relative rotary movement, one of the said valve stems being provided with a spirally disposed surface, a float within the bucket engaging the spirally disposed valve-stem surface, means for holding one of such inter-engaged members against rotation, an indicator operated by the relative rotary movement of float and valve stem, and means for shifting said valves to and from alternate closure, substantially as described.

1,507,706. SAFETY GRAPPLE. ANTHONY MILLER, Burlingame, and JOSEPH F. GIACOMAZZI, Soledad, Calif. Filed Mar. 21, 1923. Serial No. 626,556. 3 Claims. (Cl. 9—23.)



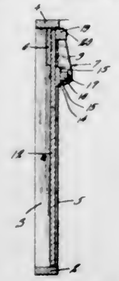
1. A safety hook comprising two hook members pivotally connected at their upper ends and arranged to overlie one another at their opposite ends, spring means associated with the hooks and tending to normlaly force them apart, an eye attached to the pivot ends of the hooks and providing for connection of the hooks with a line and means for locking the hooks against spreading apart when the eye is moved to one side of a position assumed when a pull on a line is communicated to the hook said locking means being released upon movement of the eye into upright position.

1,507,707. WASH OR DISH CLOTH. ALICE MORGANSTERN, New York, N. Y. Filed Mar. 24, 1923. Serial No. 627,286. 1 Claim. (Cl. 15—227.)



A device of the kind described comprising a laminated fabric composed of an outer absorbent fabric and an inner waterproof fabric, said laminated fabric being folded upon itself intermediate its ends, the side edges being stitched together and the adjacent portions thereof folded over the seam and again stitched together thus enclosing the free side edges of the fabric and providing a hand receiving pocket, the opening in said pocket being gathered and provided with elastic means for forming a watertight joint around the wrist of the user.

1,507,708. AUTOMATIC DOOR. ALEXANDER C. OSBORN, Clarksburg, W. Va. Filed Mar. 15, 1922. Serial No. 543,955. 1 Claim. (Cl. 20—16.)

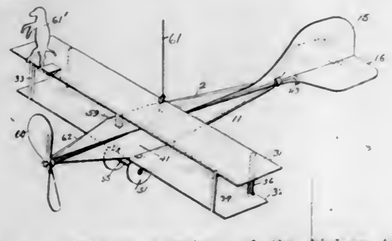


In a device of the class described, a substantially vertical frame including stiles, a sill and a lintel, a stop plate projecting downwardly from the lintel and located between the stiles, brackets on the forward edges of the stiles and projecting forwardly therefrom, means for securing theb rackets to the forward edges of the stiles, a shaft mounted at its ends to rock in the brackets, a barrier located between the shaft and the stop plate and abutting at its upper end against the stop plate, a weight secured to the barrier and located above the shaft, a cleat interposed between the shaft and the barrier, and means for securing the shaft and the cleat to the barrier, the cleat constituting means for so positioning the barrier with respect to the shaft that the weight will tend to hold the upper end of the barrier in abutment with the stop plate when the barrier is closed, the weight constituting means for holding the barrier in an open position, and the stop plate constituting a stop for the barrier, when the barrier is in open position.

1,507,709. PROCESS OF PRODUCING ALUMINUM CHLORIDE AND SODIUM SILICATE. SAMUEL PEACOCK, Wheeling, W. Va., assignor to Willis G. Waldo, Washigton, D. C. Filed Oct. 17, 1921. Serial No. 508,263. 2 Claims. (Cl. 23—13.)

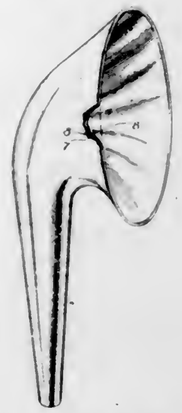
1. The process of producing aluminum chloride, and sodium silicate, from naturally occurring aluminum silicates, which consists in calcining said silicates and mixing the same with sodium chloride; subjecting the mixture thus produced to a reacting temperature to produce the desired aluminum chloride and sodium silicate; passing free nitrogen over the charge to sweep out the volatile aluminum chloride and recovering said sodium silicate from the furnace, substantially as described.

1,507,710. MINIATURE-AEROPLANE CONSTRUCTION. ARTHUR E. POHLMAN, West Allis, Wis. Filed Mar. 24, 1923. Serial No. 627,315. 6 Claims. (Cl. 46—40.)



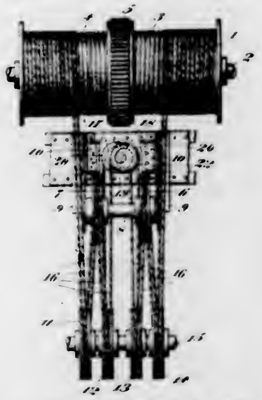
3. In a miniature aeroplane of the biplane type, upper and lower wings connected and supported in separated position upon the fuselage by standards integral with the wings, in combination with a fuselage fixed between the wings and having a rudder and stabilizing fin integral with the fuselage.

1,507,711. PROCESS OF MAKING PLASTIC ARTICLES. ALBERT E. POLLOCK, New York, and WILLIAM P. HORN, Mount Vernon, N. Y., assignors, by mesne assignments, to Inter-Ocean Radio Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 23, 1924. Serial No. 687,995. 2 Claims. (Cl. 18—56.)



1. The process of making molded horns, comprising placing a plurality of sleeves, one upon the other, on a form having the shape of the horn, each of said sleeves being made of a single piece of elastic absorbent fabric and being distended under tension upon the form, and impregnating each sleeve with hardening material after it is placed on the form and before the next sleeve is placed thereon, and then drying the sleeves.

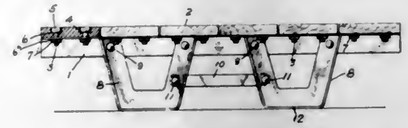
1,507,712. CABLE EQUALIZER. CHARLES S. PROUDFOOT, Westmont, Pa. Filed Apr. 18, 1922. Serial No. 555,007. 11 Claims. (Cl. 254—135.)



1. A cable equalizer comprising a pair of sheaves eccentrically mounted on a shaft which extends through them and within their peripheries with their throw arms relatively angularly disposed.

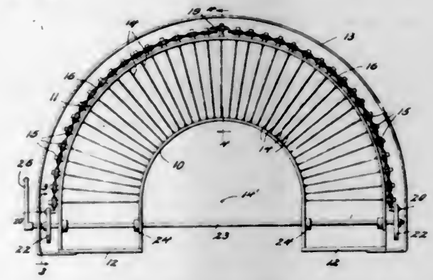
1,507,713. ELEVATING-TRUCK PLATFORM. HENRY I. RAYMOND, Jr., Indianapolis, Ind., assignor to The Enterprise Iron Works, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 18, 1920. Serial No. 431,699. 1 Claim. (Cl. 248—41.)

In a truck platform, a pair of longitudinal frame members of angle iron each having a vertical flange and a horizontal flange, transverse load-supporting members secured to said frame members and U-shaped supports having continuous flanges at right angles to each other



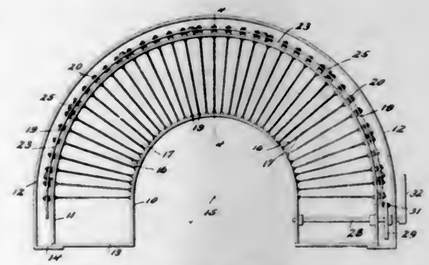
forming flat foot portions and oppositely extending leg portions attached to the vertical flanges of a frame member, substantially as set forth.

1,507,714. EYE-TESTING APPARATUS. WILLIAM P. REAVES, Greensboro, N. C. Filed May 4, 1922. Serial No. 558,493. Renewed Aug. 2, 1924. 9 Claims. (Cl. 88—20.)



1. An astigmatic dial including in combination, a frame, a plurality of radially arranged strips having two unequal dimensions in cross section and rotatably mounted in the frame, and means to rotate the strips to cause them to appear to an observer as lines of different widths.

1,507,715. ASTIGMATIC DIAL. WILLIAM P. REAVES, Greensboro, N. C. Filed Aug. 2, 1922. Serial No. 579,235. 7 Claims. (Cl. 88—20.)

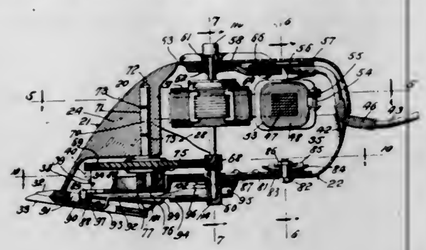


1. An astigmatic dial including in combination, a support, a plurality of blades, mounted on the support and radiating from a common center, the blades being formed in portions relatively movable to cause them to appear to an observer as lines which vary in width.

1,507,716. ELECTRIC HAIR CLIPPER. WALTER HUNT REDMAN, East Orange, N. J. Filed Dec. 31, 1920. Serial No. 434,432. 6 Claims. (Cl. 172—36.)

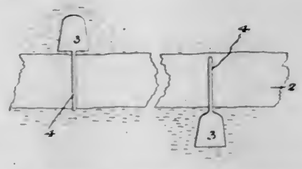
1. Mechanism of the character described for driving a tool comprising an exterior enclosing casing having laterally disposed longitudinal interior recesses, a horizontally disposed field magnet having longitudinal pole

members located in said recesses and a coil on its transverse portion, a rotary armature secured on a vertical shaft and disposed between said pole members, means for driving the tool from said vertical shaft, brushes for



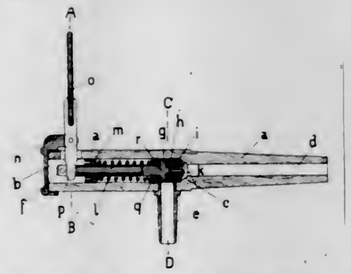
the armature, an electric current conductor leading to the field magnet coil, an electric current conductor leading to one of said brushes, and a manually operative switch adapted to complete the circuit at the other brush.

1,507,717. PROCESS FOR EXTRACTING PETROLEUM BY UNDERGROUND WORKINGS. JOHN L. RICH, Ottawa, Kans. Filed May 31, 1923. Serial No. 642,666. 6 Claims. (Cl. 262—1.)



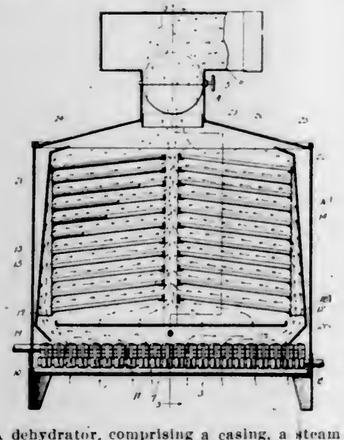
1. A process for the extraction of petroleum which comprises forming tunnels or galleries adjacent to the oil-bearing stratum, cutting narrow slits or channels from said galleries into the oil-bearing stratum, and forming depressions in said channels for the collection of the oil, from which it may be removed as desired.

1,507,718. WOODEN TAP FOR WINE, CIDER, OR THE LIKE. GEORG RILLING, Obersontheim, Germany. Filed Oct. 29, 1921. Serial No. 511,515. 2 Claims. (Cl. 251—134.)



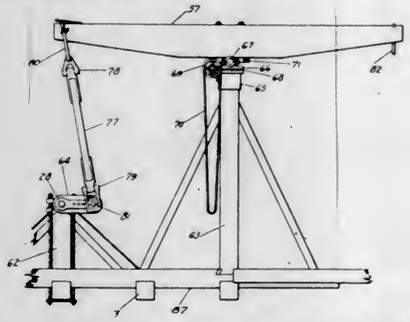
2. A wooden tap for drawing wine, cider or the like comprising in combination with the body of the tap having a cylindrical boring at the front part, an inlet in the rear part of less diameter than said boring and a conical boring connecting said cylindrical boring and said inlet, an outlet tube branching off from said cylindrical boring adjacent said conical boring, a spring pressed cylindrical member of acid proof material located in said cylindrical boring, said member slightly less in diameter than the said cylindrical boring, a packing of suitable material at the rear end of said member adapted to seat in said conical boring, a valve stem arranged in said cylindrical boring of the body and connected to said member, an annular packing on the stem engaging the front end of the said member, a cap covering the front end of said tap, and a lever pivotally mounted in said cap and connected with said valve stem for pulling said valve stem forward so as to permit communication between said inlet and said outlet, said annular packing sealing said cylindrical boring from the inlet.

1,507,719. DEHYDRATOR. RUSH J. RITCHIE, Kansas City, Mo., assignor of one-half to Frank Spiekerman, Greenwich, Conn. Filed July 25, 1923. Serial No. 653,649. 5 Claims. (Cl. 94—39.)



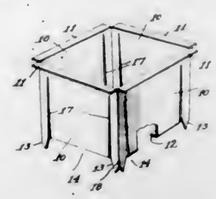
1. A dehydrator, comprising a casing, a steam radiator in the bottom of the casing, a steam pipe exterior of the radiator and connected thereto, a steam pipe connected to the first named pipe and extending into the casing, a horizontal partition above the steam radiator and above the pipe within the casing, vertical partition walls spaced from opposite sides of the casing inwardly and upwardly, and rows of shelves within the casing, the rows being spaced centrally of the casing to provide a space in line with the opening in the top of the casing.

1,507,720. COMBINATION ROTARY AND CABLE TOOL DRILLING RIG. EDWARD TIMBS, Torrance, Calif. Filed Oct. 28, 1920. Serial No. 420,232. 2 Claims. (Cl. 255—3.)



1. In a cable tool drilling rig of the class described, in combination with a single power means, adapted to drive a calf wheel, a bull wheel, and a sand reel, a swiveled walking beam and a knuckle joint pitman, adapted to operate the said walking beam by the power means, and to swing with the said walking beam when clearing the well, as set forth.

1,507,721. CORE BOX FOR CONCRETE FLOORS. GUY B. WAITE, New York, N. Y. Filed Dec. 9, 1921. Serial No. 521,091. 4 Claims. (Cl. 72—66.)



1. A core-box for concrete floor constructions adapted to be embedded and remain in the floor, said box being formed with inclined sides having top-flanges bent outwardly to permit nesting of the boxes during shipment, and bottom-flanges bent inwardly, and legs provided with teeth at their lower edges to retain the boxes in position upon temporary centering while the concrete is being poured.

1,507,722. PLANE ATTACHMENT. JOHN AHLEN, Fargo, N. Dak. Filed Mar. 18, 1924. Serial No. 700,179. 2 Claims. (Cl. 145—5.)



1. In a plane, the combination with a stock including a sole and side walls, the sole having a transverse slot therein, a shoe including a shank, a cam plate, and a hinge barrel, the cam plate being adapted to protrude through the slot, a pivot pin detachably carried by the side walls of the stock positioned in the hinged barrel, and a spring coiled around said pivot pin and arranged to engage the shoe and the stock.

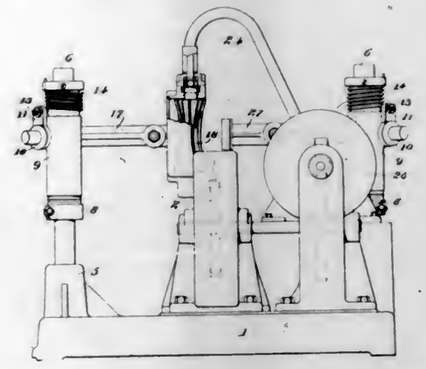
1,507,723. SPEEDWAY. ANTHONY AVERY, Royal Oak, Mich. Filed May 26, 1923. Serial No. 641,784. 1 Claim. (Cl. 104—60.)



The combination with a plurality of vehicles and means for driving the same, of a platform having spaced slots therein, centrally located downwardly extending front and rear arms secured to the vehicle, antifriction rollers carried by the arms for contact with the side walls of the slots and anti-friction devices carried by the arms and located upon opposite sides of and below the first mentioned anti-friction devices for contact with the under face of the platform adjacent the slots.

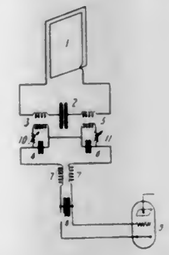
1,507,724. FISH SCALER. JAMES J. BARRY, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,245. 3 Claims. (Cl. 17—5.)

1. A fish scaling machine comprising in combination a conveyor, vertical posts positioned on opposite sides of the conveyor, horizontal arms rotatably mounted upon said posts, tension means adapted to force said arms



toward the conveyor, a pressure foot carried by one of said arms, and a scaling tool carried by the other arm.

1,507,725. DOUBLY-TUNED WIRELESS RECEIVER. JOSEPH BETHENOD and MARIUS LATOUR, Paris, France. Filed Aug. 19, 1921. Serial No. 493,680. 5 Claims. (Cl. 250—20.)



1. In wireless signalling systems, a circuit tuned to a frequency greater than the signal frequency and a second circuit tuned to a frequency lower than the signal frequency, and means for opposing the currents in said circuits to prevent response of said system to sudden discharges.

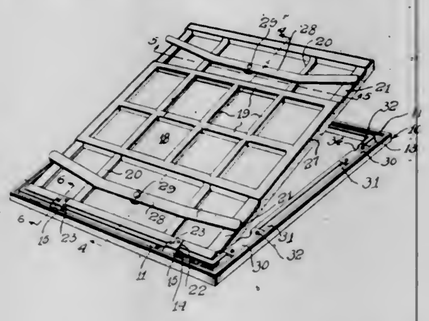
1,507,726. CASKET. GOLDEN O. BRADY, Crane, Oreg. Filed Oct. 4, 1920. Serial No. 414,562. 1 Claim. (Cl. 27—6.)



A casket having the container section provided with an interior flange integral therewith, a lining, said flange being perforated to facilitate passage of stitching therethrough to secure the lining thereto, a one-piece transparent panel adapted to rest on said flange and stitching prevented from lateral displacement by the surrounding wall of the section, said flange being located below the upper edge of said section a distance substantially equal to the thickness of the panel, an outwardly di-

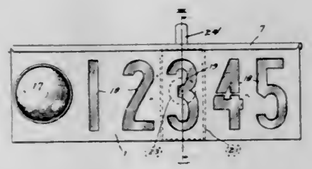
rected flange at the upper edge of the section and substantially in the same horizontal plane with the panel to reinforce the sections and serve as a seat for the cover, and a cover section disposed out of engagement with said panel and attachable to said seat having its inner wall extending inwardly and upwardly over the panel.

1,507,727. X-RAY CASSETTE. ARTHUR WELLS BUCK, St. Louis, Mo. Filed May 31, 1922. Serial No. 564,728. 6 Claims. (Cl. 250—34.)



1. An X ray cassette including a rectangular frame, the frame being formed with a shoulder upon one surface, and a sheet of aluminum constituting the front of the cassette having its margins bent over the edge of the frame and bent over and drawn over said shoulder, whereby the sheet of aluminum is rendered taut throughout its entire surface.

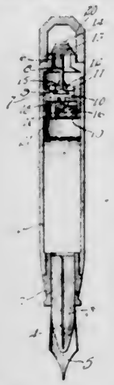
1,507,728. SIGNAL DEVICE. JOSEPH A. BURGARD, Oakland, Calif. Filed Jan. 18, 1921. Serial No. 438,071. 1 Claim. (Cl. 177—327.)



A signal device, comprising, a box casing of light proof material, a longitudinal row of symbolic apertures in one side of said casing, a battery within said casing, contact members within said casing extending the length thereof and connected to opposite poles of said battery, a movable bulb adapted to travel lengthwise of said casing and behind said symbolic apertures, and having one of its terminals in constant electrical connection with one of the contact members and means for completing an electrical connection from the other of said contact members through the other terminal of the bulb at points in its movement when it is in alinement with an aperture.

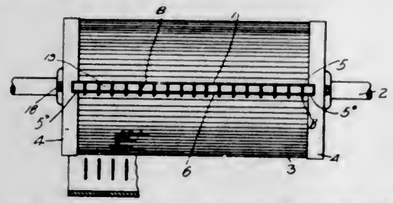
1,507,729. FOUNTAIN PEN. ARTHUR OLAUS DAHLBERG, Madison, Wis. Filed Sept. 5, 1922, Serial No. 586,279. Renewed July 16, 1924. 4 Claims. (Cl. 120—47.)

1. A fountain pen comprising a barrel, a piston slidably disposed within the barrel and having a passageway for air therethrough, a valve for normally closing one portion of said passage-way, means for simultaneously moving said piston toward the pen and for opening said valve, spring means for moving said piston away from said pen and for simultaneously closing said valve,



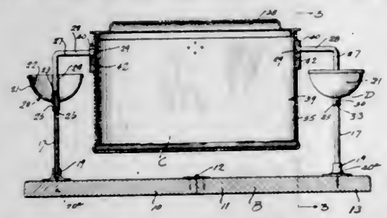
whereby ink is drawn into the barrel, and a float for closing another portion of said passage-way when the ink in the barrel reaches a predetermined height.

1,507,730. STRAW-FEEDING DEVICE FOR THRASHING MACHINES. ARCHIE THOMAS FULLER, Brampton, Ontario, Canada. Filed Sept. 15, 1923. Serial No. 662,872. 4 Claims. (Cl. 146—120.)



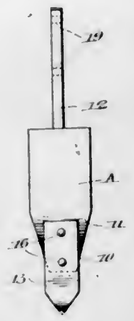
1. In a device of the class described, a cylinder having a longitudinal slot therein, blades having shanks engaging the sides of the slot, and reduced to form an edge shoulder at the point of junction between the blade and the shank, a rib extending from each side of the shank at its lower edge and extending normally crosswise of the slot, spacing blocks inserted in the slot between each pair of shanks and resting upon each pair of opposing ribs, and means extending crosswise of the slot for holding each block in position.

1,507,731. INSECTPROOF BREAD AND CAKE BOX. CHARLES HENRY GREGORIE, Macon, Ga. Filed May 9, 1923. Serial No. 637,796. 11 Claims. (Cl. 43—109.)



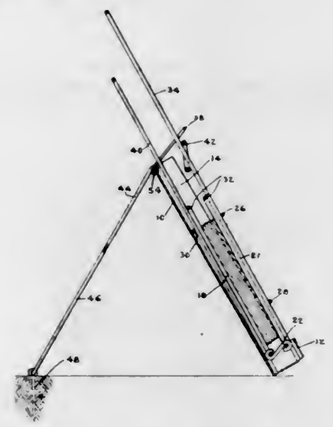
1. A device for preventing insects from gaining access to an article comprising a support including a pair of hingedly connected sections, a vertical standard carried by each of said sections of the support, cups carried by said standards, and article supporting means extending from within said cups for supporting an article therebetween.

1,507,732. CULTIVATOR ATTACHMENT. THOMAS HAMMOND, Pincher Station, Alberta, Canada. Filed Aug. 3, 1922. Serial No. 579,465. 2 Claims. (Cl. 97—203.)



1. A device of the character described and in combination with a cultivator standard having a cultivator tooth fixedly secured thereon, a rectangular plate adapted to form a shield above said tooth and formed with a restricted lower end to fit between the tooth and the standard and securing means through the tooth and through the standard and said plate.

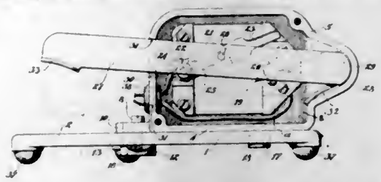
1,507,733. BROILER. HENRY O'B. HARDING, Minneapolis, Minn. Filed Sept. 17, 1923. Serial No. 663,079. 5 Claims. (Cl. 53—5.)



1. A broiler comprising a pan having a trough at its lower end, a grill having complemental members hingedly connected at their lower ends, handle members extending from the upper ends of said grill members, means for slidably attaching said handle members to said pan which permits said grill members to be rotated when slid out of said trough, and a prop pivotally attached to the upper edge of said pan, said prop having a forked upper portion adapted to be grasped by the hand to hold said pan.

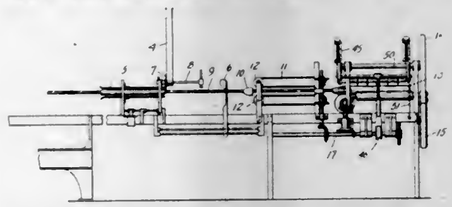
1,507,734. MOTOR CONTROLLER. MARTIN HEMLER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Oct. 25, 1919. Serial No. 333,346. 9 Claims. (Cl. 200—6.)

1. In a motor speed controller, in combination, a base, a casing, a pedal-operated circuit controlling unit housed within said casing and means for detachably securing said casing to said base, said means being adapted for use



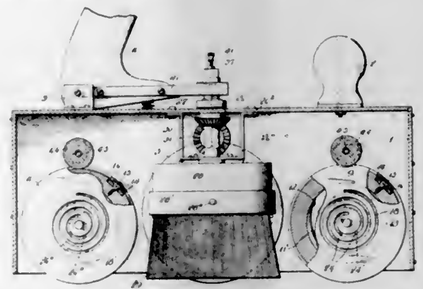
in securing the casing to the treadle-plate of a sewing machine.

1,507,735. PAPER-TUBE-MAKING MACHINE. JOSEPH W. HOLT, Brooklyn N. Y. assignor to Union Paper Company, New York, N. Y., a Corporation of New York. Original application filed Aug. 17, 1920, Serial No. 404,066. Divided and this application filed Sept. 23, 1922. Serial No. 589,994. 19 Claims. (Cl. 164—61.)



1. In a machine for making finished paper tubes and the like of predetermined lengths, the combination comprising mechanism for cutting off roughly portions of tube, means for revolving and cutting to finished sizes the cut off portions, and mechanism for automatically receiving the cut off portions and advancing them to said finished cutting means.

1,507,736. STENCILING MACHINE. JOHN WALKER INGLESBY, Norfolk, Va. Filed Mar. 26, 1923. Serial No. 627,923. 15 Claims. (Cl. 101—121.)

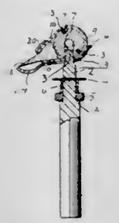


1. A stenciling machine comprising a housing, rollers mounted in the opposite ends of said housing movably supporting the same, a horizontally movable brush positioned and supported within said housing between said rollers, a reservoir upon the brush communicable with the bristles thereof, and automatically operable valve means within said reservoir for controlling the flow of marking fluid therefrom onto said bristles.

1,507,737. SAFETY RAZOR. HUGH JAMES, Montrose, Ill. Filed Mar. 3, 1922. Serial No. 540,781. 3 Claims. (Cl. 30—12.)

1. In a shaving implement, a hollow blade holder having converging clamping members designed to engage a blade, a core fixed within said blade holder, a guard de-

tachably connected with said blade holder, and a handle adapted to be detachably connected to said core inter-



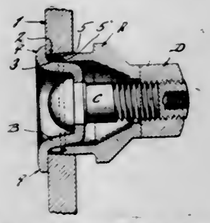
mediate its ends and in angular relation thereto, said handle being also adapted to be detachably connected to an end of said core in axial relation thereto.

1,507,738. FORCEPS. ALBERT BAXTER JOHNSON, New Britain, Conn. Filed Jan. 12, 1923. Serial No. 612,293. 7 Claims. (Cl. 32—10.)



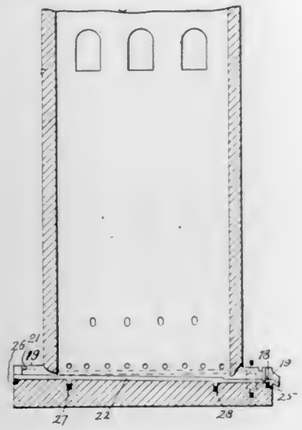
1. Forceps for operating upon impacted third lower molars comprising a pair of pivotally connected members having each a handle on one side of the pivotal connection and a beak at the other side thereof, said beaks being generally similar in form and construction except that the one is right-handed and the other left-handed; having relatively sharply pointed tips; having a tapered form for the portion that serves as the active portion, adjacent said tips; having a wedge-shape form of cross-section for said active portion; and having as a whole a generally crescent-shape, whereby said active portions in the position for use, with the tips opposed, are directed generally divergent relatively to said tips.

1,507,739. BOILER PLUG. FREDERICK E. KEY, St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill., a Corporation of Missouri. Filed Apr. 8, 1921. Serial No. 459,794. 3 Claims. (Cl. 220—25.)



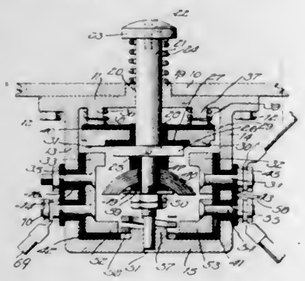
1. In a closure for tapered holes, a closure member adapted to lie in the tapered hole, said closure member having a tapered outer face adapted to lie opposite to the tapered wall of the hole to be closed, so as to provide converging tapering faces in the hole, a sealing member having an inner margin adapted to lie between said converging tapering faces, said margin having a groove in its end face to provide a contractible outer flange to contact directly with the tapered face of the hole and an expansible inner flange contacting directly with the tapered face of said closure member, and means whereby said flanges are wedged between and forced toward each other on said converging faces.

1,507,740. METHOD OF OPERATING BLAST FURNACES AND SIMILAR FURNACES. EDMUND B. KIRBY, New York, N. Y. Filed Feb. 16, 1920. Serial No. 358,969. Renewed July 14, 1924. 55 Claims. (Cl. 266—29.)



1. The method of operating a blast furnace which consists in so supplying the material to be treated and the solid fuel, that they will form separate descending contacting columns, using fuel which will not so agglomerate under heat as to impair the mobility of its particles and which has been crushed so that its particles have less average size than those of the column of material, and supplying an oxidizing blast.

1,507,741. STARTER-MOTOR-CONTROLLING MEANS. ALLEN T. KIRK, WILLIAM T. KIRK, and OBREN E. BARBER, Chicago, Ill. Filed Feb. 3, 1922. Serial No. 533,849. 11 Claims. (Cl. 219—48.)

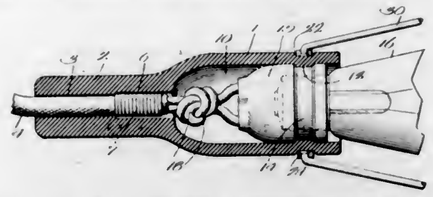


1. In a circuit controlling device, an operating member, a set of contacts, a second set of contacts, the contacts of said sets respectively being arranged to be brought successively into engagement upon continuous movement of said member, and means made operative after the contacts of the first set are in engagement and prior to the engagement of the contacts of the second set for indicating to the operator that the first set of contacts are in engagement.

1,507,742. LAMP AND GUARD HANDLE. FRANCIS C. KOLLATH and EDWARD M. SCHOENING, Chicago, Ill. Filed Nov. 17, 1923. Serial No. 675,276. 3 Claims. (Cl. 240—54.)

1. A handle for portable electric lamps and guards, consisting of a single piece of flexible rubber having a chamber for accommodating the lamp socket, and a

passage of reduced diameter extending from said chamber to the rear end of the handle for accommodating the electric conductors, the handle having an internal collar



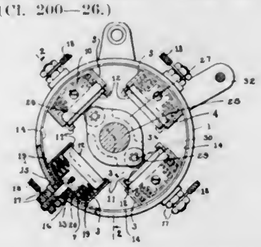
near its forward end and a corresponding annular depression on the outside, the collar for retaining the lamp socket and the depression for accommodating a clamping ring for holding the collar to its work.

1,507,743. METHOD OF MAKING CORD TIRES. GEORGE D. KRATZ, Akron, Ohio, assignor to The Falls Rubber Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed Aug. 14, 1920. Serial No. 403,576. 5 Claims. (Cl. 154—14.)



1. In a method of making tires of the character described, the steps which consist in applying circumferentially to a suitable mandrel a strip of thread fabric, and simultaneously subjecting said strip along one side to treatment adapted to crowd the strands of such fabric together and along the other side to treatment adapted to spread such strands apart, such last-mentioned step preceding any stitching of said strip.

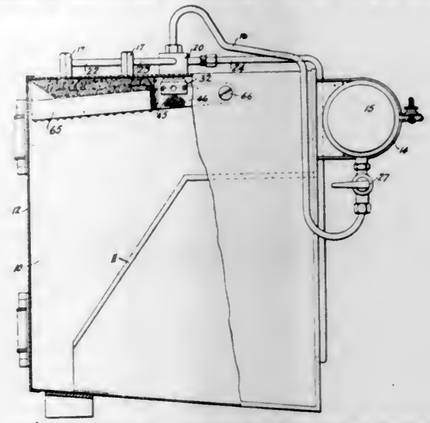
1,507,744. TIMER. FRIEDRICH LEDERER, Milwaukee, Wis. Filed Apr. 24, 1922. Serial No. 556,209. 4 Claims. (Cl. 200—26.)



3. A device of the class described comprising a housing; a hollow contact-receiving casing secured to said housing, said casing being provided with end walls having integral inturned retaining lugs, and with a readily removable side wall; a contact block slidably mounted within said casing; a plurality of springs behind said block normally urging said contact member toward said lugs; and means within said casing for spacing said springs.

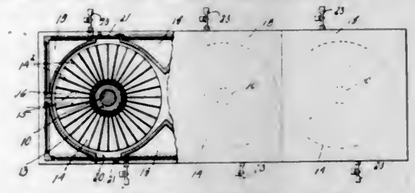
1,507,745. FIRE-EXTINGUISHING DEVICE. PETER GRAHAM MACGREGOR, Pequannock, N. J., and GEORGE E. FERGUSON, Spring Valley, N. Y., assignors to Pyrene Manufacturing Company, a Corporation of Delaware. Filed Feb. 17, 1922. Serial No. 537,164. 5 Claims. (Cl. 169—2.)

1. In combination with a receptacle for inflammable material, a tank containing fire-extinguishing fluid and mounted on said receptacle, a distributor valve mounted on said receptacle and extending therein, a supply conduit connecting said tank and valve, distributing conduits extending from said valve to various parts of said receptacle, thermally-controlled means normally effective to maintain said valve closed and prevent passage of fluid from said supply conduit to said distributing conduits, and means comprising a charge of gun-cotton



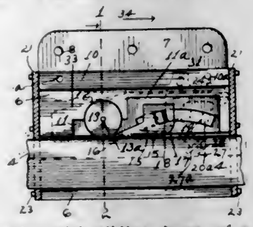
positioned within the receptacle adjacent the thermally-controlled means adapted to be instantaneously ignited directly by the heat or flame generated in any part of the receptacle to permit the valve to open.

1,507,746. FIXTURE FOR SHOES OR THE LIKE. ALBERT MALSIN, Mount Vernon, N. Y. Filed July 28, 1921. Serial No. 488,149. 1 Claim. (Cl. 211—21.)



A fixture for shoes or the like, comprising a plurality of revoluble cylindrical units arranged almost tangentially relative to one another, each formed with adjustable radial compartments, show cases the inner walls of which are substantially concentric to the outer part of a unit and serve as corner pieces and intermediate show cases the inner walls of which are curved to be concentric to the outer parts of two adjoining units, said show cases being all joined to form a single casing, the different show cases being in front and back separated a space equal to the width of the outer end of a compartment to permit access to said compartment and doors for closing said spaces.

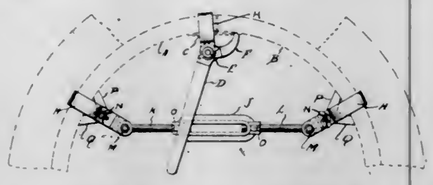
1,507,747. CAR-DOOR-FASTENING DEVICE. JOHN H. MAYFIELD, Norfolk, Va. Filed July 23, 1923. Serial No. 653,261. 1 Claim. (Cl. 292—342.)



In combination with sliding doors, of a recessed casting, roller or wheel supporting means in said recess, a wedge adapted to check said roller supporting means

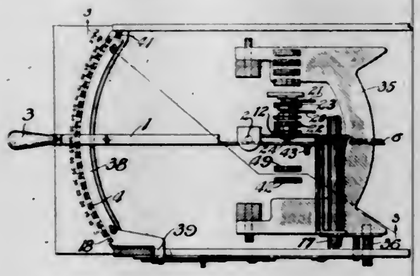
against movement, projection or lug means thereon, a curved slot for said lug or projection adapted to raise and lower said wedge, and hook or lever means adapted to engage said lug to prevent movement of said wheel supporting means.

1,507,748. RIM-REMOVING APPARATUS. GUSTAVE A. MEYER, Detroit, Mich. Filed Aug. 31, 1922. Serial No. 585,381. 1 Claim. (Cl. 157—1.)



In combination with a pair of rim-engaging members, each having a fixed jaw and an obliquely adjustable jaw, whereby rims of varying width and depth may be rigidly engaged, said pairs of rim-engaging members being adapted to be temporarily affixed about those portions of a rim selectively adjacent its meeting ends, means connecting the inner ends of said rim-engaging members for regulatably drawing them and their then connected portions of the seized rim inwardly to effect the separation of the outer surface of the rim from the surrounding inner surface of a vehicle tire.

1,507,749. CASH REGISTER. FREDERICK EDWARD MILLER, St. Louis, Mo., assignor to St. Louis Cash Register Company, Incorporated, St. Louis, Mo., a Corporation of Missouri. Filed May 23, 1922. Serial No. 562,984. 26 Claims. (Cl. 235—12.)



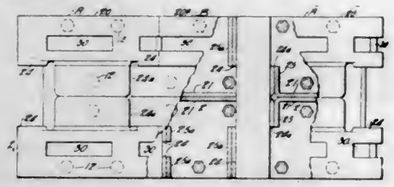
3. In a cash register, a digits counter, and two distinct mechanisms adapted to actuate said counter in adding operations independently of each other.

1,507,750. CONCRETE-ROAD FORM. CONRAD MAGNUS MOLSTAD, Fosston, Minn. Filed May 9, 1923. Serial No. 637,853. 4 Claims. (Cl. 25—118.)



1. A device of the character described comprising a hollow tubular form, saddle members disposed within said form at each end thereof and having their supporting surfaces at a higher plane at their inner ends than at the outer ends of said saddle, and horses for supporting said saddles.

1,507,751. TRACK BELT. MATHEW B. MORGAN, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed July 22, 1920. Serial No. 398,262. 10 Claims. (Cl. 305—10.)



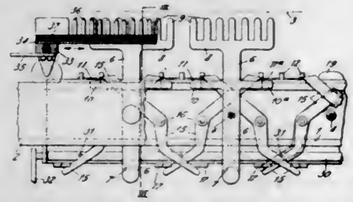
1. A track belt unit comprising two similar cup-shaped members having horizontal top and bottom portions placed side by side and secured together, the adjacent inner portions of said horizontal top portions being in a lower horizontal plane than the outer portions thereof forming a longitudinal roller guideway centrally of said unit.

1,507,752. RADIATOR ASSEMBLY. MATHEW B. MORGAN, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Jan. 11, 1922. Serial No. 528,504. 11 Claims. (Cl. 180—68.)



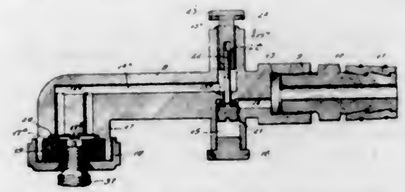
1. In a device of the character described, the combination with a frame, of a radiator assembly comprising a housing having an open top, a radiator unit within said housing and removable therefrom through the open top, a cap removably secured over the top of said housing and vertically removable therefrom, and means detachably securing said assembly upon said frame.

1,507,753. WARP STOP MOTION. HANS MÜLLER, Dietikon, Switzerland. Filed May 23, 1922. Serial No. 563,002. 11 Claims. (Cl. 139—352.)



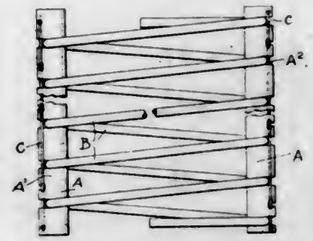
1. In mechanism for indicating the rupture of warp threads, the combination with a frame, of two movable carriers for ruptured warp threads mounted to reciprocate on said frame in a direction transverse of the longitudinal direction of the warp threads to be controlled and adapted to carry a ruptured thread in the said transverse direction, a row of prongs mounted between said carriers, arranged to move in said transverse direction and adapted to be engaged by a ruptured thread carried by said carriers and be moved thereby, and signalling lamps arranged to be controlled by said row of prongs.

1,507,754. COMBINED PNEUMATIC-TIRE INFLATING AND PRESSURE-GAUGE TOOL. MICHAEL J. MCANENY, Denver, Colo., assignor of one-half to E. N. Strom, Chicago, Ill. Filed Oct. 18, 1922. Serial No. 595,336. 3 Claims. (Cl. 152—11.5.)



3. A pneumatic-tire inflating and pressure-gauge tool comprising a casing having two sections and provided on one end with a nozzle, a valve-controlled air-pressure passage extending in one section of the casing into said nozzle, and a pressure-gauge in the other casing-section, comprising a tubular piston-housing into the forward end of which an air-passage leads through the nozzle, said housing having a gauge-slot in its opposite end, a valve in said housing normally spring-pressed to the end thereof adjacent said passage leading thereto, and a gauge-bar on the piston-stem provided with a pointer projecting through said slot and engageable with a notch in said slot to releasably lock the piston in its passage-closing position.

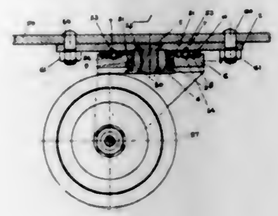
1,507,755. REENFORCING BAR. GEORGE C. PINGER, Bronxville, and JAMES F. CURLEY, Yonkers, N. Y., assignors to Concrete Steel Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 27, 1920. Serial No. 433,116. 4 Claims. (Cl. 72—76.)



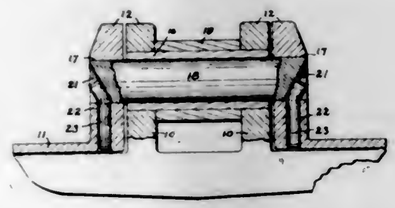
2. As a new article of manufacture, a metal reinforcement for concrete comprising a coil, one or more spacers having slots in some of which the turns of the coil are disposed, a wire between the coil and the edge of the spacer for retaining the turns in place, and recesses in the sides of some of the slots in which the wire is retained.

1,507,756. CASTER. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed Dec. 16, 1921. Serial No. 522,828. 3 Claims. (Cl. 16—21.)

1. In a caster, a caster wheel, an inverted approximately U-shaped fork having an upper intermediate plate portion and prongs depending therefrom, a wheel axle, said axle being horizontally disposed between the fork prongs and secured thereto, said wheel being mounted on the said axle for rotation, an annular grooved bearing race in the upper surface of the said intermediate plate portion, a supporting block disposed over the said plate portion, an annular bearing race groove on the under side of the said block and in alignment directly over the first named race groove, bearing balls placed between the races, said block and said plate having centrally disposed aligned openings, that through the said block being of the least diameter, an annular bearing cone inserted through the opening in the said plate and having its inner opening in vertical alignment with the said block central opening, an outwardly extending flange on the lower end of the said cone, a circumferential bearing race groove on the outer surface of the cone near its lower end and above the said flange, an opposing race groove on the lower inner edge of the said plate opening, bearing balls between the said last named races, and bolt means passing through the said block and inner cone openings adapted to rigidly secure the said cone and block together, a recess on the under face of the said plate and concentric with the central opening therethrough, the upper end of the said cone fitting snugly into the said recess to prevent lateral displacement of the cone



1,507,757. TRACK BELT. EDWIN H. SAVAGE, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed July 11, 1922. Serial No. 574,243. 4 Claims. (Cl. 305—10.)

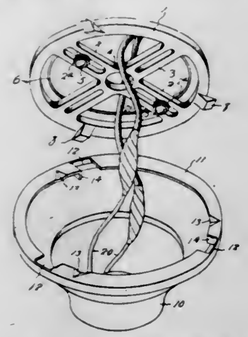


1. An endless track belt made up of a plurality of connected units, each of said units comprising rails and a shoe cast integrally together, said rails having aligned apertures through each end of the walls thereof and vertical openings extending through that portion below the apertures at one end thereof and through said shoe, a hinge pin extending through the apertures in the adjacent ends of the rails of said units, and locking means carried within the vertical openings in said rails and shoe and engaging said pin.

1,507,758. LIGHTING FIXTURE. THOMAS SCOTT, Cleveland, Ohio. Filed June 6, 1921. Serial No. 475,203. 3 Claims. (Cl. 240—87.)

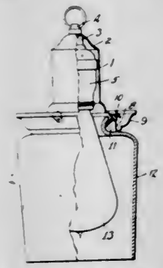
1. In combination, a base, and a lighting fixture assembly incorporating a canopy for application to the base, the base being provided with lugs, and the canopy

having flange parts that are spaced apart endwise so that the flange parts may be passed over and engaged with the lugs, the flange being provided with depressions for co-



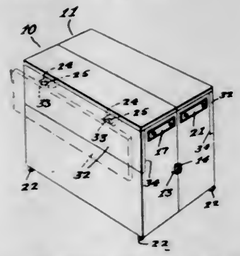
operation with the lugs to resist rotation of said canopy on said base, and means for indicating when the spaces between the flange parts are in register with the lugs.

1,507,759. COMBINATION SHADE AND LAMP HOLDER. THOMAS SCOTT and FREDERICK K. MARRZ, Cleveland, Ohio. Filed June 18, 1921. Serial No. 478,525. 2 Claims. (Cl. 240—132.)



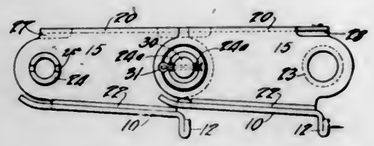
1. In a device of the character set forth, the combination of a lamp socket, of a one piece shell enclosing and extending below said socket, the lower end of said shell being enlarged and turned upwardly to define an ornamental ring, and globe attaching means carried by the enlarged portions of said shell and disposed below said socket, said shell being adapted to be used interchangeably with a lamp shade or with a ball type of lamp, and said enlarged portion of said shell being adapted to be closed by the bulb of a ball type of lamp when so used.

1,507,760. CABINET TABLE. EDWARD E. SUTHERLAND, Seattle, Wash. Filed Dec. 11, 1922. Serial No. 606,034. 4 Claims. (Cl. 45—16.)



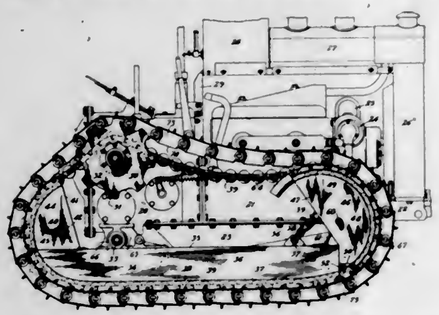
1. A cabinet table comprising a casing having a plurality of compartments formed therein; support members laterally disposed and slidably mounted upon the underside of the top wall of said casing adjacent the ends thereof; extension side leaves for said cabinet table; hook members fixedly secured in spaced relation upon the upper and inner edges of said side leaves adapted to engage the outer ends of said support members to suspend said side leaves therefrom in juxtaposition to the side walls of said casing when not in use and to withdraw said support members from said casing to support said side leaves in a normally horizontal plane when in use.

1,507,761. TRACK BELT. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed July 20, 1920. Serial No. 397,785. 4 Claims. (Cl. 305—10.)



1. A track belt unit comprising, in combination, a shoe, and a rail member secured thereon formed of a single piece of sheet metal, said rail member comprising a horizontal rail plate and two integral longitudinally extended sides which are bent downward from said rail plate and are secured to said shoe,—said rail sides having near one end of the link outwardly extended aligned tubular sleeves and near the other end of the link inwardly extended aligned tubular sleeves of larger diameter,—the ends of the rail sides which carry the inwardly directed sleeves being nearer together than are the opposite ends of said rail sides and a sleeve fitted into and bridging the space between the tubular sleeves of larger diameter.

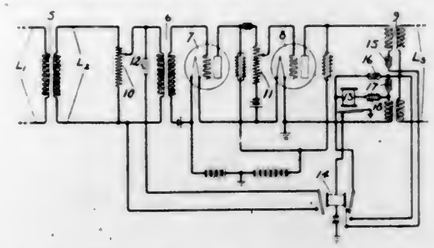
1,507,762. TRACTOR. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,152. 5 Claims. (Cl. 305—4.)



1. A track frame member comprising a main frame section, a rear guide section secured to said main section, a front guide section pivoted to said main section, and a bulkhead for preventing lateral movement of said front guide section relative to the main section, and means secured to said front guide section co-operating with said bulkhead to limit the pivotal movement of said section.

1,507,763. TELEPHONE-TRANSMISSION SYSTEM. DONALD F. WHITING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1920. Serial No. 350,526. 8 Claims. (Cl. 179—171.)

1. In a transmission system, an amplifying repeater, means for supplying signals to said repeater, means for increasing the amplification of said repeater and for altering the characteristics of the output circuit, and means



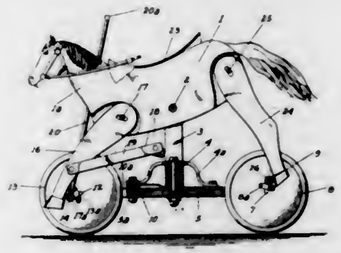
in the output circuit of said repeater and responsive to incoming signals for controlling said last named means.

1,507,764. ROOFING MACHINE. MARVIN L. BEESON, San Diego, Calif. Filed Mar. 23, 1922. Serial No. 546,028. 6 Claims. (Cl. 219—37.)



1. A roofing machine of the class described, including a roller revolubly mounted on an axle, electrical heating elements mounted within said roller, a draft means secured to said axle and a guard partially enclosing said roller and secured to said axle.

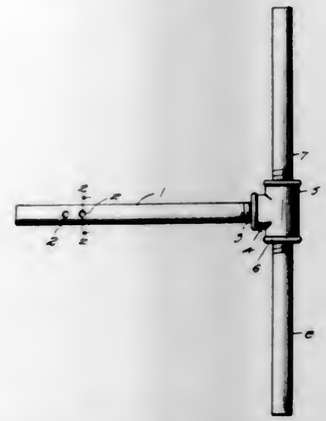
1,507,765. MECHANICAL HORSE. WILLIAM D. BLUDWORTH, Sacramento, Calif. Filed May 14, 1923. Serial No. 638,845. 14 Claims. (Cl. 208—42.)



1. A combined galloping horse and velocipede comprising front and rear wheels, a base supported thereby, a body shaped to simulate a horse pivotally supported from the base for fore and aft rocking movement, means connecting the body with the wheels to cause the former to rock with the rotation of the wheels and hand actuated means for positively rotating the wheels.

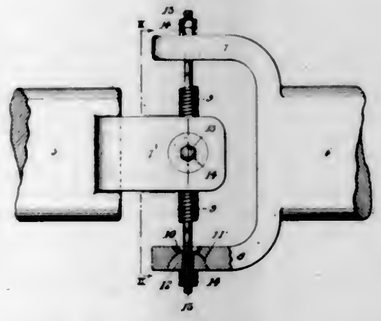
1,507,766. FENCE-WIRE SPLICING AND STRETCHING TOOL. OBIN W. BRITT, Emporia, Kans. Filed Apr. 3, 1923. Serial No. 629,606. 1 Claim. (Cl. 140—117.)

A fence-wire tool comprising a solid cylindrical bar having its one end threaded and provided with a series of transverse openings adjacent the opposite end thereof, said openings being beveled outwardly at their ends, a T-coupling having its shank portion threaded into engagement with the threaded end of said bar, the arm portions of said coupling being internally threaded, and a pair of hollow cylindrical handle members externally



threaded at their ends and engaged with the arm portions of said T-coupling, the inner threaded end of said bar being adapted for frictional contact with the opposed inner ends of said handle members to securely hold the latter in place in the T-coupling.

1,507,767. UNIVERSAL FLEXIBLE COUPLING. ROBERT EARL CARTER, Sykesville, Md. Filed Mar. 1, 1921. Serial No. 448,832. 1 Claim. (Cl. 64—96.)

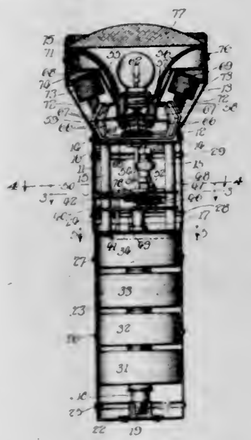


A universal flexible coupling comprising a pair of opposed outwardly and longitudinally extending arms being normally overlapped and arranged at right angles to each other, said arms provided at its free end with transverse openings providing hemispherical sockets in the outer faces thereof, hemi-spherical members universally movable in said sockets, threaded stems extending through each of said openings, springs connecting the same and means for properly adjusting the tension thereof.

1,507,768. PORTABLE ELECTRIC LIGHT. CAP B. COLLINS, Franklin, Pa. Filed July 30, 1923. Serial No. 654,505. 6 Claims. (Cl. 240—8.5.)

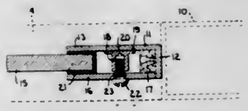
1. In a portable electric-light appliance, the combination of a portable casing, an electric-generator in

said casing, a spring-motor in said casing connected to drive said generator, a reflector in said casing enclosed



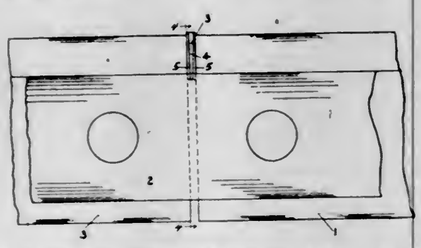
at least in part inside of said generator, an electric-lamp bulb in said reflector, and means to permit manual winding up of said motor.

1,507,769. ELEVATOR INCLOSURE AND DOOR. ROGER W. DISBRO, Cleveland Heights, Ohio, assignor to The W. S. Tyler Co., Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1921. Serial No. 464,436. 1 Claim. (Cl. 189—33.)



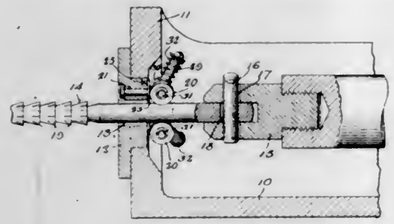
In a door or the like, a pane securing means comprising an angle plate adapted to be attached to a door frame, a spacing block in the angle of said plate, a second plate opposite the angle plate and loosely engaging said spacing block, cushioning means at the ends of the plates opposite the spacing block, a threaded socket member secured to one of the plates between the spacing block and the cushioning means, and a co-operating threaded member passing through the other plate and engaging the threaded socket member.

1,507,770. RAIL JOINT AND INSERT THEREFOR. ROY B. FEHR, Cleveland, Ohio. Filed June 6, 1923. Serial No. 643,733. 13 Claims. (Cl. 238—228.)



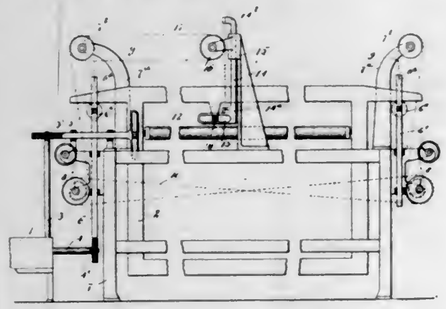
1. A rail joint comprising adjacent, aligned rail ends spaced apart, means for securing the rail ends together, and a multipart insert completely filling the space between the heads of the rails.

1,507,771. BROACH CLEANER. WALTER FERRIS, Milwaukee, Wis., assignor to The Oil Gear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 8, 1922. Serial No. 566,777. 9 Claims. (Cl. 90—33.)



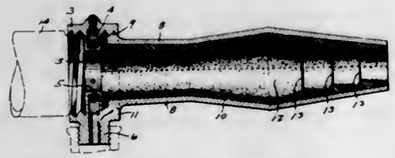
1. In a broaching machine the combination of a broach, broach reciprocating means and means mounted adjacent the path of travel of the broach for removing chips therefrom during the reciprocation thereof.

1,507,772. TAMBOUR-FRAME-DRIVING MECHANISM. JOSEF GRANZ, Plauen, Germany, assignor to Vogtlandische Maschinenfabrik, Plauen, Germany. Filed June 4, 1914. Serial No. 842,903. 2 Claims. (Cl. 112—92.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



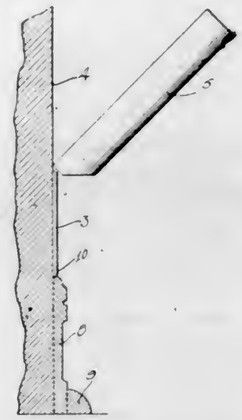
1. In an embroidering machine, the combination with the tambour frame, of driven means for transmitting vertical motion thereto at several points of the length of and acting on the said frame directly in the vertical plane of the center of gravity thereof and spring counterbalancing means near each end of the said frame positively connected to each other and through the medium of which the several driven means are actuated simultaneously.

1,507,773. CEMENT-GUN NOZZLE. THOMAS HAMM, Hawthorne, Calif. Filed Jan. 15, 1923. Serial No. 612,851. 6 Claims. (Cl. 91—44.)



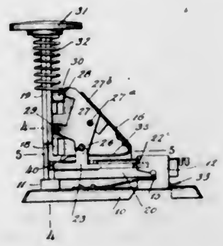
1. A cement gun nozzle having a cylindroidal passage provided with an annular choke shoulder adjacent its discharge end.

1,507,774. SHIELD. ANNA BAIN HILL, Chicago, Ill. Filed Jan. 17, 1924. Serial No. 686,841. 1 Claim. (Cl. 91—65.)



A shield of the type described comprising a relatively flat work engaging member of substantially rigid material, said work engaging member having a straight edge at the lower end thereof and having its edges at the side turned outwardly, and a handle portion formed integral with said work engaging member and extending upwardly and outwardly from said work engaging member, said handle being fashioned by rolling portions of the material of which said shield is constructed, to form a substantially tubular member, said handle being disposed entirely above and at the rear of said work engaging member.

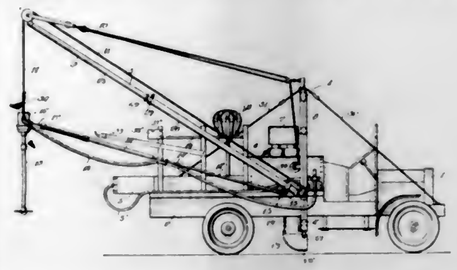
1,507,775. STAPLING MACHINE. WILLIAM HOEHN, Brooklyn, N. Y. Filed July 11, 1923. Serial No. 650,794. 4 Claims. (Cl. 1—2.3.)



2. In a portable hand operated stapling machine, the combination of a base, a die having channeled guideways at its side faces, spring metal feed slides terminating in double jawed feed dogs, a cross bar connecting said feed slides and extending above said die and having a cylindrical central portion, a casing carrying said die and pivotally connected with said base, and a cam pivotally mounted upon said casing and provided with a notch engaging the cross bar of said slides.

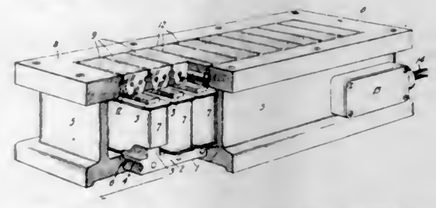
1,507,776. EARTH-BORING MACHINE. JOHN M. HUMISTON, Berwyn, Ill. Filed May 13, 1921. Serial No. 469,126. 8 Claims. (Cl. 255—19.)

1. In combination, a truck, a derrick mounted on one side thereof, tackle for said derrick, a motor suspended adjustably for raising and lowering by said tackle, torque resisting means laterally connecting said motor to said



truck and a downwardly facing vertically axled tool operatively connected to said motor for engaging the ground.

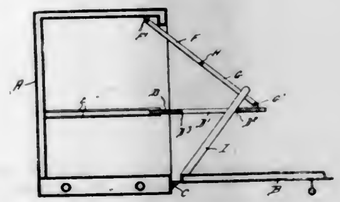
1,507,777. MAGNETIC CHUCK. SAMUEL KABASICK, New York, N. Y. Filed Apr. 9, 1919. Serial No. 288,747. 7 Claims. (Cl. 175—367.)



1. The method of making electromagnetic chucks which consists of forming a core of magnetic material, placing coils thereon, casting a base about said core, assembling the pole pieces, fixing the pole pieces with a free surface of each in substantially the same plane, and placing said pole pieces adjacent said core.

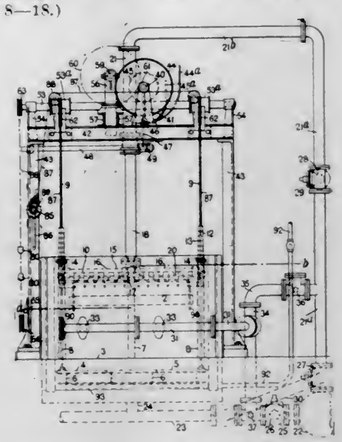
6. In an electromagnetic chuck, an element formed of laminæ having a plurality of extensions, a securing element for clamping the laminæ together, a base of non-magnetic material cast about and engaging the ends of said core, coils for said core, pole pieces extending at right angles to the plane of said laminæ, said pole pieces being placed adjacent said core.

1,507,778. SHELF-OPERATING MEANS FOR OVENS. JOHN C. KEAVEY, South Euclid, and EDWARD J. REESE, Cleveland, Ohio. Filed May 28, 1921. Serial No. 473,513. 2 Claims. (Cl. 126—340.)



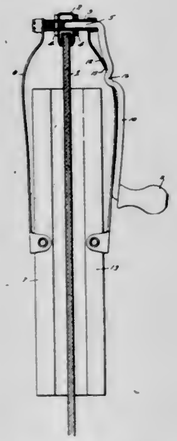
1. The combination with an oven having guides on the sides thereof intermediate the top and bottom of said oven, of a shelf sliding in said guides, said shelf being longitudinally slotted at one side, a door hinged at its bottom to the bottom of said oven, an inclined arm connected to the oven door and extending in the slot in the shelf, and means for supporting the free end of said shelf when moved outwardly.

1,507,779. MACHINE OR APPARATUS FOR DYEING AND THE LIKE. JOE KERSHAW, Menston, England. Filed Aug. 31, 1921. Serial No. 497,264. 5 Claims. (Cl. 8—18.)



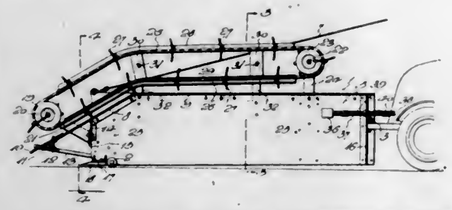
1. In an apparatus of the class described, the combination of a vat, a vertically movable bottom therein, means for raising said bottom, and means automatically operated during said raising movement for reversing the direction of movement of the bottom.

1,507,780. CLEANING DEVICE FOR WINDSHIELDS AND THE LIKE. CHARLES F. LAGANKE, Cleveland, Ohio, assignor to The Outlook Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 18, 1922. Serial No. 537,429. 3 Claims. (Cl. 15—256.)



1. In a device of the character set forth, the combination of a pair of wipers arranged for cleaning contact with the opposite sides of a windshield pane, a resilient carrying arm for each of said wipers, a spindle to which the arm of the outer wiper is directly secured and whereon the arm of the inner wiper is loosely mounted, and an operating handle extending laterally from the inner end of the spindle and by means of which the spindle may be operated, the handle and carrying arm of the inner wiper interengaging in such manner as to cause the arm to move with the handle in a lateral direction while permitting the handle to move independently of the arm in a direction perpendicular to the windshield pane, the inherent resiliency of the inner arm serving to maintain the wiper that is carried thereby in cleaning contact with the pane at all times.

1,507,781. SNOW-MELTING MACHINE. AURELIUS LAGASSE, Fall River, Mass. Filed Oct. 5, 1923. Serial No. 666,766. 7 Claims. (Cl. 126—343.5.)



7. A snow melter comprising a transversely arched hood adapted to be moved along a snow covered surface, a plate declining forwardly from the top of said hood to a point spaced above the lowest plane of said hood, a transverse conveyor shaft mounted over the lower end of said plate, a second transverse conveyor shaft mounted over the top of the hood, an endless conveyor engaged with said shafts for carrying snow onto the top of the hood, tracks for guiding said conveyor over said plate and said top, and means for highly heating said hood to melt snow both in the latter and on its top.

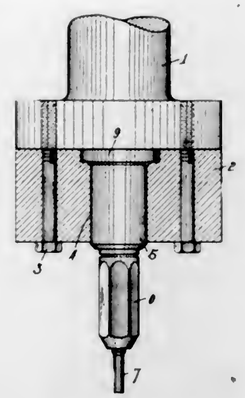
1,507,782. FOUNTAIN PEN. CARL F. LITTS, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a Corporation of Delaware. Filed Jan. 30, 1920. Serial No. 355,088. 14 Claims. (Cl. 120—50.)



14. A self-filling fountain pen comprising a barrel; self-filling mechanism within said barrel; a feed section attached to the barrel and having an axial passage therethrough; a shoulder within said passage intermediate the ends of said feed section; a feed tube having one end extending into said passage with an end tightly engaging said shoulder forming a liquid-tight joint, said feed tube extending from said feed section and having a rectilinear bore therein extending from the inner end of the feed tube to one side adjacent the outer end of such feed tube; and a nib frictionally held in the passage of said feed section by the feed tube with the nib lying over the portion of the feed tube extending from said feed section with the feed tube fitting close to the nib around the adjacent opening of the bore of the feed tube, the nib and feed tube being arranged to permit drawing ink into the barrel upon immersing the lower ends of the nib and feed tube only in an ink supply.

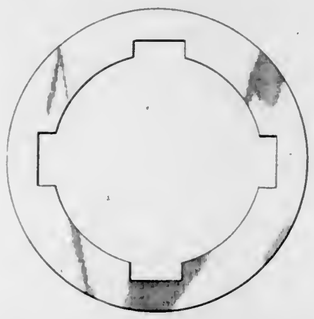
1,507,783. QUICK-CHANGE PUNCH. EMMETT E. LUCE, Swanton, Ohio. Filed Jan. 21, 1922. Serial No. 530,781. 2 Claims. (Cl. 164—124.)

1. In a punch, a member having a socket which is spaced from the inner end of the member to form a solid wall and which extends through the outer end of the member, said socket being threaded at its central portion and having the portions thereof between the ends of the threaded portion and the ends of the socket ground to form inner and outer side bearing surfaces, a holder having an intermediate threaded portion engaged with said central threaded portion of the socket and having inner and outer ground portions to engage the respective inner and outer side bearing surfaces of the socket with a close ground fit, said holder having an axial bore, a punch point carried by the outer end of the holder, and a punch support fitted in the bore of the holder and



having one end engaged with the inner end of the punch point and having its opposite end enlarged and extending over the inner end of the holder and engaged with the said inner side bearing surface and solid wall of the socket.

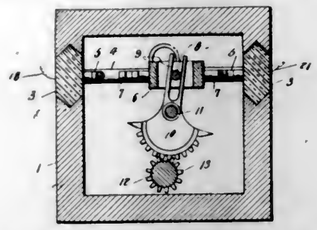
1,507,784. EXHAUST OR DISCHARGE NOZZLE. JOHN H. MALIN, Peru, Ind. Filed Jan. 26, 1923. Serial No. 615,044. 1 Claim. (Cl. 162—4.)



As an article of manufacture, an exhaust nozzle for locomotives and internal combustion engines, and the like, wherever back pressure is found, or a drafting force required, having a uniform bore from end to end, and having equi-distant longitudinal slots therein, of uniform depth, extending the full length of the nozzle, each of said slots having equal and parallel side walls, and a back wall at right angles thereto.

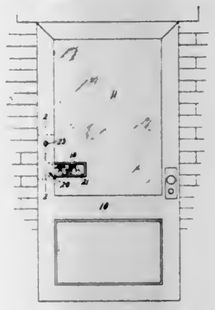
1,507,785. ELECTRIC SWITCH LOCK FOR AUTOMOBILES. CHARLES W. MITCHELL, Nashville, Tenn. Filed Dec. 7, 1922. Serial No. 605,452. 4 Claims. (Cl. 200—44.)

1. A motor vehicle switch lock including a casing, a key-operable shaft disposed therein, a shaft substantially parallel with said shaft, a gear member on the second shaft driven from the first shaft, a contact member within the casing, means slidably mounting the contact member disposed substantially at a right angle to said shaft, contacts within the casing to coact with



the contact member, and a pin and slot driving connection between the gear member and said contact member.

1,507,786. DOOR SIGN. MICHAEL F. MONIGAN, Rosebank, N. Y. Filed Oct. 22, 1923. Serial No. 670,110. 5 Claims. (Cl. 40—67.)



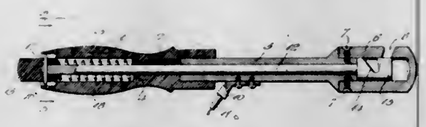
1. In a device of the class described, the combination with a door frame, a housing, attaching means for securing said housing to said door frame, a pivoted sign, coacting means on said sign and housing for holding the sign concealed within the housing, manipulative means for releasing said co-acting means, and a means for automatically moving said sign to an exposed position after operation of said manipulative means.

1,507,787. CARBIDE LAMP. JAMES M. MONTGOMERY, Bery, W. Va., assignor to Roscoe J. Ross, Western Port, Md. Filed July 2, 1923. Serial No. 649,114. 2 Claims. (Cl. 48—57.)



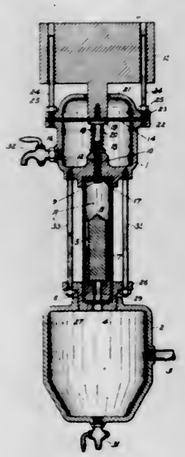
1. The combination with a receptacle having an opening in its bottom, a packed stub extending through and rotatably mounted in said opening, a cross arm secured to the lower end of said stub, and depending finger grips on the ends of said cross arm, each of said grips having an inclined edge and a substantially vertical edge whereby said grips may only be engaged to rotate said stub in one direction, the bottom of said receptacle being provided with a depending rim within which the major portion of said cross arm is located, the vertical edges of said finger grips being extended below said rim.

1,507,788. ELECTRIC WELDING TOOL. LEONARD A. MCCARTY, Jackson, Ohio. Filed Apr. 14, 1924. Serial No. 706,452. 3 Claims. (Cl. 218—8.)



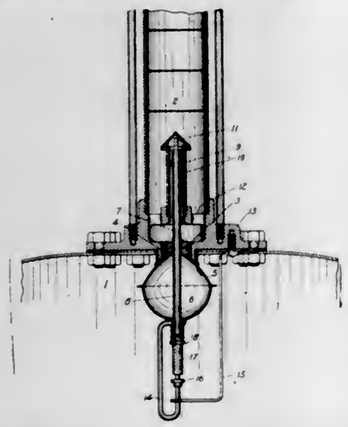
1. An electric welding tool comprising an elongated insulating handle having a bore from end to end, a tubular current conducting shank projecting forwardly from said handle in alinement with its bore, said shank having an electrode seat at its front end and being adapted for connection with a current supply wire, a rod passing slidably through said shank and said bore and having means at its front end for exerting rearward pressure on an electrode to hold the latter in the aforesaid seat, and a spring within said bore of the handle exerting rearward force on said rod, the rear end of said rod projecting accessibly beyond the handle to permit the rod to be easily forced forwardly to release the electrode.

1,507,789. CONTROL VALVE. CARL H. NORDELL, Fort Wayne, Ind., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed July 20, 1922. Serial No. 576,247. 5 Claims. (Cl. 137—153.)



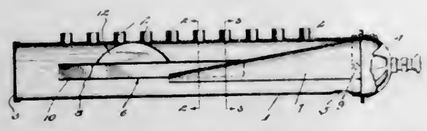
5. A control valve for withdrawing liquid in substantially uniform charges, having in combination a cylinder, a chamber and a liquid connection from said cylinder to said chamber, a piston in said cylinder formed of a plurality of parts which under the pressure of inflowing liquid co-act to form an effective piston adapted to deliver a substantially accurately measured charge of liquid from said cylinder to said chamber, one of said piston parts adapted in extreme raised position to close said connection whereupon the other part or parts fall by gravity to the bottom of the cylinder, means for allowing the liquid to escape said chamber more slowly than it enters thru said connection, a diaphragm within said chamber adapted to be flexed upwardly by the liquid forced thru said connection into said chamber; a plunger, with a longitudinal liquid passage reciprocable in said connection, means for depressing said diaphragm and means for forcing said plunger downwardly to unseat said connection closing piston part when said diaphragm has been depressed whereupon said connection closing piston part falls by gravity into co-acting contact with the other piston part or parts.

1,507,790. FLOAT-CONTROLLED COMPOUND CHECK VALVE. CARL H. NORDELL, Fort Wayne, Ind., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Sept. 12, 1922. Serial No. 587,838. 6 Claims. (Cl. 210—24.)



1. A compound check valve having in combination a main valve and a secondary valve both of said valves adapted to seat upwardly; the main valve adapted to be unseated by the weight of comminuted solid material precipitated thereon through the liquid above said valve; and means for reseating said main valve when said solid material has fallen off it; the secondary valve adapted to close a liquid conduit through said main valve; said secondary valve adapted to be seated, after the seating of the main valve, by the liquid flowing upwardly against the secondary valve on its way toward said secondary valve seat and to remain seated until the changing differential pressures above and below said compound valve permit said secondary valve to fall.

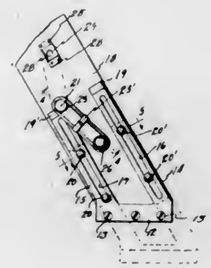
1,507,791. GAS BURNER. MORTIMER L. PACKER, Columbus, Ohio. Filed Feb. 9, 1924. Serial No. 691,597. 3 Claims. (Cl. 158—114.)



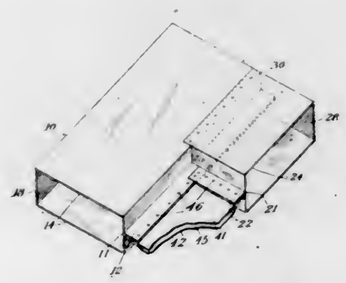
1. A gas burner comprising a casing, a pair of baffle plates disposed longitudinally therein the adjacent ends of said plates being arranged in overlapping relation and one of said plates being tapered.

1,507,792. DROP STEP. MARY PERKINS, Ypsilanti, Mich. Filed Feb. 9, 1924. Serial No. 691,617. 4 Claims. (Cl. 105—449.)

1. In combination with a vehicle having a plurality of steps, U-shaped supporting members slidably mounted on opposite sides thereof, for upward and downward movement relatively thereto; an auxiliary step carried by said supporting members; a rocker arm; means for attaching said rocker arm to said auxiliary step; a crank for operating said rocker arm for effecting upward and downward movement of said auxiliary step; and spring operated means mounted on said crank for locking said auxiliary step in either extremity of its movement.



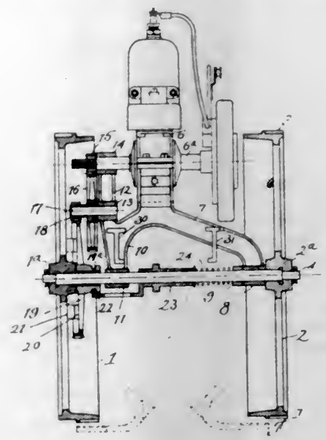
1,507,793. FIREPROOF DOOR. JACOB A. RAPPAPORT and WARREN J. WILLIAMS, New York, N. Y., assignors to Reliance Fireproof Door Co., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 11, 1923. Serial No. 631,298. 15 Claims. (Cl. 189—46.)



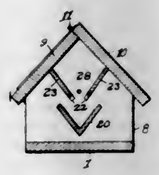
1. A fireproof door comprising a tubular stile having a plurality of cooperating flanges at the inner edge thereof, a depression being provided in each of the faces of the stile adjacent one end of the inner edge of each face at spaced distances from the flange, one of said flanges being provided with a cut-out portion adjacent the inner ends of said depressions.

1,507,794. AGRICULTURAL MACHINE. THOMAS A. REILLY and RALPH DITTY, Cleveland, Ohio, assignors, by mesne assignments, to The Federal Foundry Supply Company, a Corporation of Ohio. Filed Nov. 21, 1919. Serial No. 339,607. 3 Claims. (Cl. 180—19.)

1. In a device of the character described, the combination with a frame having a motor receiving portion, oppositely disposed bearings beneath the motor reciving portion forming a part of the frame, an axle which extends through said bearings and ground wheels secured to said axle outside the bearings, an arm extending upwardly from the frame and provided with bearing portions, the axis of said arm lying in the same plane as the axis of the motor receiving portion, said bearing portions of the arm serving to support members driven from the motor.

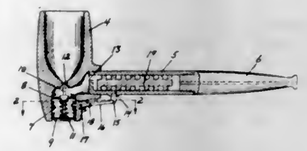


1,507,795. CHICK FEEDER. ARON W. ROCKEY, Lineville, Iowa. Filed Mar. 2, 1922. Serial No. 540,537. 2 Claims. (Cl. 119—52.)



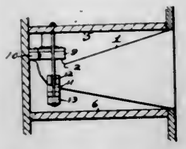
1. A chick feeder comprising a base, end walls, a roof having its lower edges spaced from the base a sufficient distance to permit the passage of small chicks only, a trough beneath the roof, and a transverse partition, one end wall and the partition being provided with means for receiving a removable reservoir and a removable device for preventing entrance of chicks to the trough.

1,507,796. SMOKING PIPE. JOHN H. SCHRODER, Minneapolis, Minn. Filed Sept. 21, 1922. Serial No. 589,641. 3 Claims. (Cl. 131—12.)



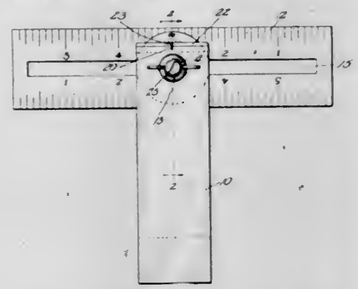
1. In a smoking pipe having a bowl and a stem secured at one end therein, said bowl having a smoke outlet and said stem having a normally closed cleaning port, a pin slidably arranged with one end near said outlet for engagement therein, a button on the other end of the pin for actuating the same, and a lever normally closing said port, said lever being actuable by said button.

1,507,797. TONE-CONTROLLING HORN SUPPORT. BAGSTER ROADS SEABROOK, Mishawaka, Ind. Filed Sept. 3, 1921. Serial No. 498,387. 2 Claims. (Cl. 274—2.)



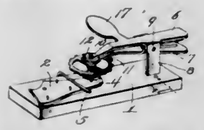
1. In a talking machine, a case, a horn secured to the rear wall of the case, a motor board above the horn and a support adapted to engage the underside of the horn at the neck said support being suspended from the motor board.

1,507,798. TRY-SQUARE. EMIEL P. SEGHERS, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,723. 6 Claims. (Cl. 33—102.)



1. A try-square comprising a supporting block, a blade pivotally mounted adjacent one end of said block, and a circular dial mounted on the pivot of said blade and extending beyond the end of said block and arranged to cooperate with said blade to indicate the angular position thereof, said dial having graduations thereon and numerals for designating the different graduations on said dial, said numerals being positioned on said dial outside of the graduations thereon and on the portion of the dial extending beyond the end of said block.

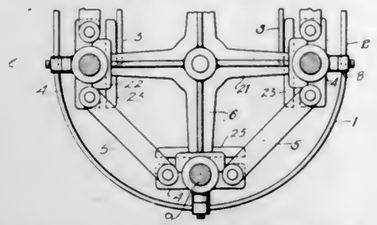
1,507,799. JEWEL-PIN SETTER. JOHN T. SHEA, Creston, Iowa. Filed Feb. 17, 1921. Serial No. 445,866. 6 Claims. (Cl. 81—6.)



1. A jewel pin setter comprising a base, means to hold the bridge in position thereon, and means secured to the base and occupying a fixed position above it to engage the roller table and to hold the balance in axially displaced relation with the bridge, said means being adapted to apply heat to the roller table.

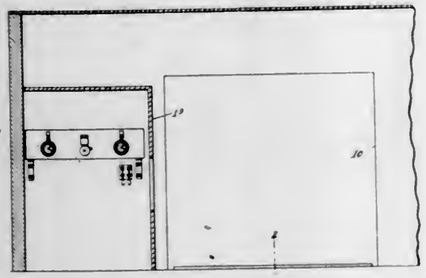
1,507,800. CONVEYER MECHANISM FOR PIE-MAKING MACHINES. DENNIS WOOD SMITH, Wilmette, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 31, 1922. Serial No. 578,837. 2 Claims. (Cl. 198—181.)

1. A conveyer for pie-making machines comprising a plurality of pie plate carriers including upright posts and a corresponding number of rigid bars, said upright posts and bars being pivotally connected together in alternating arrangement so as to form an endless belt member movable in a predetermined horizontal path to



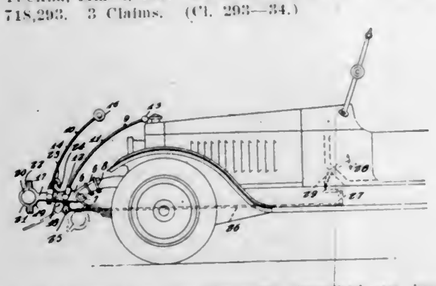
bring said carriers into position to coact with forming mechanism, and a driving sprocket membr coacting with said posts for holding said carriers in upright positions and moving them through said path.

1,507,801. REGISTER. HERMAN TEWES, Hicksville, N. Y. Filed Nov. 11, 1922. Serial No. 600,333. Renewed June 11, 1924. 4 Claims. (Cl. 234—1.5.)



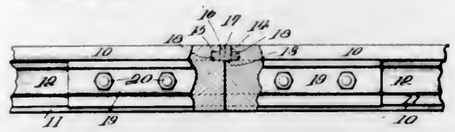
1. A device of the character described comprising a pair of depressible treads normally disposed above the surface of a floor or roadway, a time operated tape divided into hours and fractions thereof, an electrically operated recording device positioned to engage the tape, a switch included in circuit with the recording device, means whereby depression of one of the treads will close the circuit and means whereby depression of the other tread will operate the switch to open the circuit.

1,507,802. SAFETY DEVICE. JOHN WILLIAM STOKES TUCKER, Miami, Fla. Filed June 6, 1924. Serial No. 718,293. 3 Claims. (Cl. 293—34.)



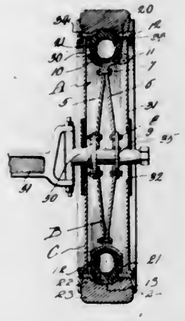
1. In a device of the character described, an inner stationary fender and an outer movable fender, each of said fenders including supporting rods and rearwardly curved rods extending at right angles to the supporting rods, a hook member carried by the forward fender section, and a manually controlled latch member adapted to co-operate with the hook member for normally holding the movable fender section in its inactive position.

1,507,803. RAIL BRIDGE. CECIL TYMM, Louisville, Ky. Filed Aug. 18, 1923. Serial No. 658,074. 6 Claims. (Cl. 238—219.)



1. The combination of rails each having two recesses in each end thereof, one of which recesses is a continuation of the other and of a smaller bore and the bottom of the smaller recess is on the same level with the bottom of the larger recess, and a bridge interposed between the rail ends and composed of an enlarged central portion to fit a recess in an end of each rail, and cylindrical shanks of uniform diameter on opposite sides of the enlarged portion received in the recesses of the smaller bores.

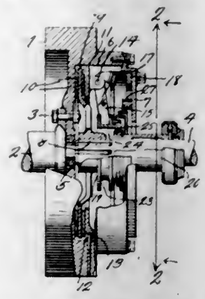
1,507,804. RESILIENT WHEEL. VINCENT A. WALKUP, Apache, Okla. Filed Feb. 16, 1923. Serial No. 619,423. 1 Claim. (Cl. 152—35.)



As a new article of manufacture a resilient wheel comprising an inner wheel member including a hub having spaced annular flanges formed thereon, concavo-convex shaped disks secured to the inner surfaces of said flanges, an integral rim formed on the periphery of said disks, a pneumatic cushioning member connected to said rim, an outer wheel member including a rim having a seat formed on the inner surface thereof for receiving the cushioning member, said seat being provided with spaced openings, a seat formed on the periphery of the rim of the outer wheel member, a tread fitted in said last mentioned seat, driving lugs formed on the cushioning member fitted in said openings in the inner sent, guard disks secured to the rim of the outer wheel member arranged on each side of the disks of the inner wheel member, and flexible disks secured to the hub of the inner wheel member and contacting the outer surface of the guard disks of the outer wheel member.

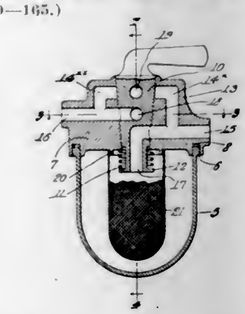
1,507,805. CLUTCH-PULL COLLAR. CLARENCE G. WOOD, Muncie, Ind., assignor to Hoosier Clutch Company, Muncie, Ind., a Corporation of Indiana. Filed July 18, 1921. Serial No. 485,638. 1 Claim. (Cl. 192—110.)

The combination with a clutch operable through the medium of pivoted levers having lugs circumferentially arranged and spaced from each other, of an annular pull collar having an annular channel therein in which said lugs are received, said channel being formed by spaced flanges, said pull collar being provided with a flange having a bevelled surface, a releasing sleeve provided with a bevelled surface engagling the first mentioned bevelled surface, a coiled spring having its inner convolution surrounding the pull collar in engagement with one of the spaced flanges and spaced from the periphery of the collar, said bevelled surfaces and spaced relation



of the inner convolution of the spring forming means whereby the pull collar will be allowed to automatically accommodate itself to the position of the lugs carried by the pivoted levers.

1,507,806. GASOLINE FILTER. LINCOLN A. ZELLER, New York, N. Y.; William McKinley Zeller and Conrad Ulmer executors of said Lincoln A. Zeller, deceased. Filed Jan. 17, 1921. Serial No. 437,847. 1 Claim. (Cl. 210—165.)

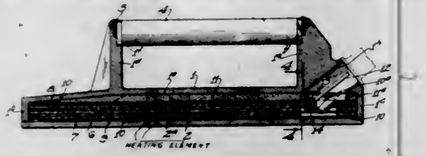


A gasoline filter comprising a cover member formed with a centrally disposed vertical tapered seat, and with top, bottom and intermediate horizontally disposed passages communicating with said seat, the top and bottom horizontal passages communicating with each other, and the intermediate and top horizontal passages communicating with each other, the cover member also being formed with a passage leading from the seat at a point in line with the intermediate passage and thence through the base of the cover member, a conical valve disposed in said seat and formed with a top horizontal passage, an intermediate horizontal passage, and a bottom passage extending horizontally and thence vertically through the base of the valve, a shoulder carried by the valve at its lower end, a spring engaging the cover member and acting upon said shoulder, a supporting member carried by the cover member and adapted to suspend a filter member, and a bowl shaped receptacle threaded at its upper end to be received by a similar threaded annular wall of the cover member.

1,507,807. ELECTRICALLY-HEATED TROWEL. MARVIN L. BEESON, Los Angeles, Calif. Filed Mar. 19, 1923. Serial No. 625,945. 9 Claims. (Cl. 219—37.)

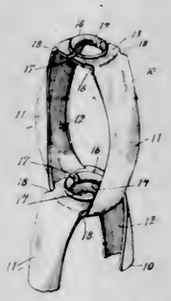
1. A trowel of the class described, including an upper casing member provided with upwardly extending handle supporting portions at its upper side and a hollow portion in its under side, a lower casing member provided with a hollow portion in its upper side, secured to said upper casing member, a handle secured to the handle

supporting portions of said upper casing member, a rendily removable heating unit positioned in the hollow



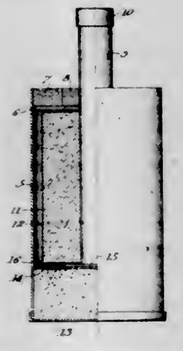
portion between said casing members and clamped therebetween, and heat insulating material positioned between said heating unit and said upper casing member.

1,507,808. FIXTURE CHAIN. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1919. Serial No. 301,948. 16 Claims. (Cl. 247—30.)



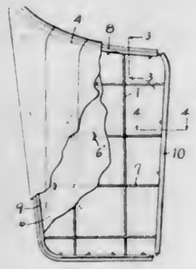
6. A separable link fixture chain comprising interengaging split links, the split portion of each link being positioned at the point of engagement with a neighboring link and being substantially flattened, other portions of each link being inturned at the edges forming an outwardly convex surface, recesses formed at the outer edges of each link at opposite sides of the split portion, and embossed points of support formed at the flattened portion for rocking support of the neighboring link in self-aligned position with the chain and with said recesses in engagement with adjacent inturned edges of the neighboring link whereby the split link is locked against spreading.

1,507,809. DRY BATTERY. HARRY F. FRENCH and RAYMOND C. BENNER, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,341. 8 Claims. (Cl. 204—29.)



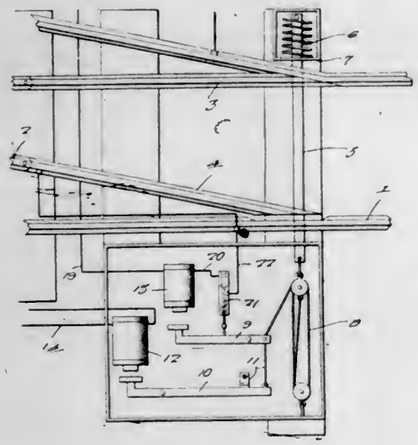
1. A dry battery of the deferred action type having inseparable electrodes relatively movable to force electrolyte between their adjacent surfaces.

1,507,810. UPHOLSTERY UNIT FOR VEHICLE BODIES AND THE LIKE. GUSTAV O. BRANDT, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Mar. 2, 1923. Serial No. 622,423. 14 Claims. (Cl. 155—180.)



1. An upholstering unit comprising a frame member of S cross section providing an outwardly facing upholstery securing channel and an inwardly facing channel, said frame comprising top, rear and bottom members, a U-shaped front frame member, a backing panel comprising a supporting grid of crossed wires, and a panel board secured thereto, the ends of said grid wires being clamped within said inwardly facing channel and within said front frame member, and upholstering comprising a filling material and an inner and outer covering therefor, the front edges of said covering being lapped upon and secured to said backing panel board and turned inwardly over the securing means, the other edges of said coverings being clamped within said outwardly facing channel of said frame.

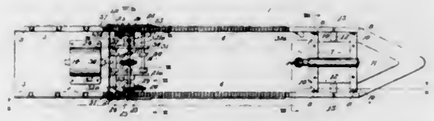
1,507,811. AUTOMATIC RAILWAY SWITCH. PERRY O. BROWN, St. Vincent, Minn. Filed Apr. 24, 1924. Serial No. 708,713. 2 Claims. (Cl. 246—225.)



1. An automatic switch structure comprising in combination with a railway track, a switch track, and movable points, spring means for holding the points at normal positions, a pair of levers pivoted adjacent the track, a magnet for each lever, a tackle for connecting the levers with the switch point moving means, means for energizing one of the magnets by a circuit completed by a vehicle moving upon the track, an open circuit connecting the other magnet with the switch and the movable

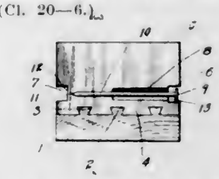
point, and a circuit closer connected with one of the levers, and adapted to close the circuit to the second mentioned magnet, when the vehicle moves upon the switch, and the first mentioned magnet is energized.

1,507,812. IRONING MACHINE. LAWRENCE BURZYNSKI, Benton, Ill., assignor of one-half to J. M. Seymour, Benton, Ill. Filed May 25, 1923. Serial No. 641,416. 4 Claims. (Cl. 68—9.)



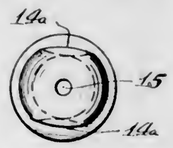
1. In an ironing machine of the type described, a board, rack bars reciprocably mounted above the board, an iron resiliently supported by said rack bars and means for reciprocating the rack bars, said reciprocating means including a motor, a train of gearing interposed between the motor and the rack bars, said gearing train including two sets of gears each set cooperating with a rack bar, a reversing gear associated with one of the gear sets, and a clutch device operable to move into alternative engagement with one or the other of the sets of gears.

1,507,813. FLOORING. CHARLES J. CARTER, Kansas City, Mo. Filed July 22, 1922. Serial No. 576,678. 1 Claim. (Cl. 20—6.)



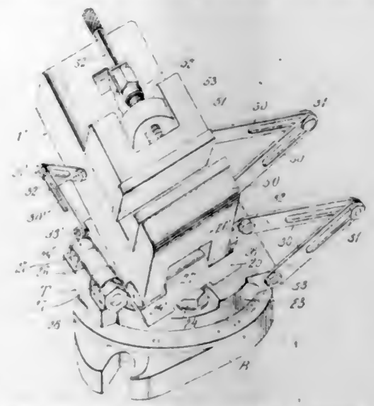
As an article of manufacture a floor section consisting of a base strip, a plurality of blocks mounted on the base strip, the blocks having aligning grooves in their opposite vertical faces for receiving splines, some of the blocks each having a recess opening from the base of one of its spline grooves and terminating short of the opposite groove, nails extending through said recesses into the block material with their heads projecting into one spline groove and their points terminating short of the other spline groove, whereby when the section is laid against a like section the nails may be driven on through the blocks and through a spline into the abutting blocks of said like section.

1,507,814. CREAM LIFTER. EDWARD C. COOLEY, Elgin, Ill., assignor to Elgin Auto Tool Company, Elgin, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 524,950. 8 Claims. (Cl. 137—18.)



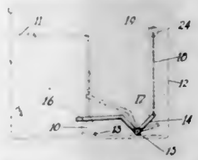
1. In a device of the class described, the combination of a tubular shell, an imperforate plug in one end of said shell, said shell having apertures therethrough adjacent the inner surface of said plug, and a second plug in the other end of said shell having a finger hold projecting therefrom and an aperture through said plug and finger hold.

1,507,815. MOUNTING FOR CLAMPS OR VISES. MATTHEW S. CUMNER, New York, N. Y. Filed Jan. 26, 1921. Serial No. 440,243. 6 Claims. (Cl. 90—60.)



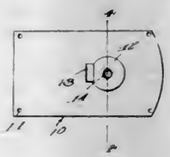
1. The combination with a clamp and a support therefor, of a turntable mounted on the support, a pair of hinges arranged at angles to each other between the turntable and clamp in a fixed position with respect to the clamp, and means cooperating with the respective hinges for securing the clamp in any given tilted position.

1,507,816. WATER-CLOSET CONSTRUCTION. GEORGE F. DAVISON, La Salle, Ill., assignor of one-half to David Riordan, La Salle, Ill. Filed Apr. 15, 1922. Serial No. 553,045. 2 Claims. (Cl. 4—52.)



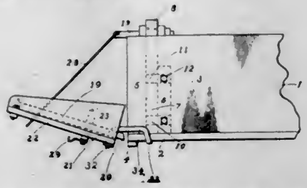
1. The combination with a water closet tank, a buoyant pressure-operated flush valve, and a valve seat therefor, and manually operable means for freeing said buoyant valve from its seat to permit it to rise because of its buoyancy, of means for maintaining said buoyant flush valve submerged but a slight distance from its seat to permit a slight flow of water to prevent freezing.

1,507,817. BUTTON SNAP. MAE R. DAY, Casper, Wyo. Filed July 17, 1923. Serial No. 652,143. 1 Claim. (Cl. 24—224.)



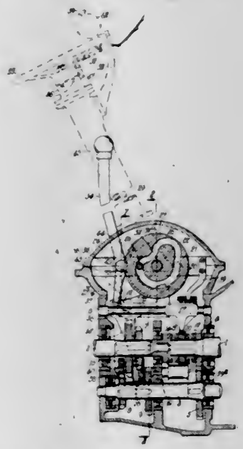
A separable garment fastener comprising a double walled member having an open slot in one wall the other wall being unyieldable and having a nib extending into said slot, and a cooperating member having an offset spring tongue equipped with a socket, said tongue being of a diameter greater than the slot in the other member and designed to enter said member between the walls thereof, said tongue having a neck operating in said slot, the socket in the tongue being designed to fit over the nib in the other member.

1,507,818. SCOOP BOARD. CHARLES DEFREESE, La Fayette, Ind. Filed Dec. 28, 1921. Serial No. 525,336. 1 Claim. (Cl. 296—58.)



The combination with a wagon body, including a transverse brace bar, at its rear end extending beyond the sides thereof, of a scoop board, cleats secured to the wagon sides, upright supports adjustably mounted between said cleats, plates attached to said cleats for holding said upright supports in position, plate members attached to said supports, bolts mounted in said plate members, links connected to said bolts and extending through said scoop board, catches arranged on said board and adapted for engagement with said links for retaining said scoop board in closed position, bar members connected to said scoop board and with their end portions disposed at an angle in opposite directions with their vertical portions extended through openings in strap plates secured to the side members adapted for detachable connection with the wagon body for retaining said scoop board in open position, and springs for tensioning said bar members in position.

1,507,819. CHANGE-SPEED MECHANISM. JAMES FARLEY, Hertfordshire, England. Filed June 28, 1924. Serial No. 723,045. 21 Claims. (Cl. 74—57.

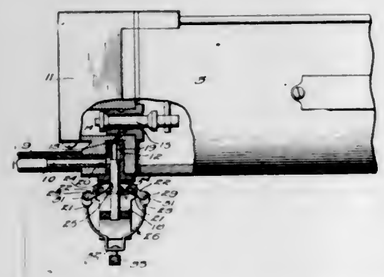


1. Change speed mechanism having in combination a driver shaft, a driven shaft, a lay shaft, a pair of gear wheels including one wheel on the lay shaft and the other on the driven shaft, a shifting member for obtaining relative movement into and out of engagement between the wheels of the pair, a constant mesh gear connecting the driver and lay shafts including a loose wheel on the driver shaft, a clutch face on the loose wheel, a clutch, an operating member for the clutch to move it into and out of engagement with the clutch face of the loose wheel, and controlling means for the clutch-operating and gear-shifting members assuring engagement of the said pair of wheels as a preliminary to the engagement of said clutch and loose wheel, whereby the said pair of wheels engage in the absence of torque on the lay shaft.

1,507,820. POWDERED BUTTER-COLORING MATERIAL FOR OLEOMARGARINE AND BUTTER. ADINO F. FILES, Maumee, Ohio. Filed Nov. 7, 1921. Serial No. 513,298. 3 Claims. (Cl. 99—13.)

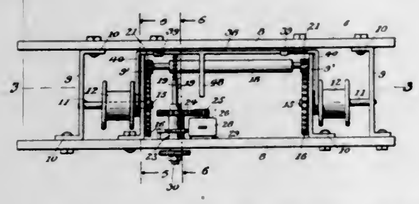
1. A dry coloring material for oleomargarine and the like, consisting of aniline colored oil and sufficient starch to absorb substantially all of the colored oil.

1,507,821. VALVE FOR WINDSHIELD CLEANERS. FRED G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio, assignors to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 20, 1922. Serial No. 545,150. 4 Claims. (Cl. 137—139.)



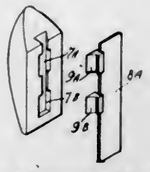
4. In a device of the character described, a valve casing, a reciprocating valve arranged in said casing, a valve stem secured to said valve, a pair of pivotally mounted arms engaging said valve stem, said arms being arranged at an acute angle to the valve stem when the valve is in open or closed position, and a substantially semicircular spring connected to said arms to exert a pressure on said stem.

1,507,822. SAFETY SWINGING SCAFFOLD. ANISE F. FRAME, South Charleston, W. Va., assignor of one-half to William Neeley, South Charleston, W. Va. Filed July 3, 1922. Serial No. 572,645. 2 Claims. (Cl. 254—167.)



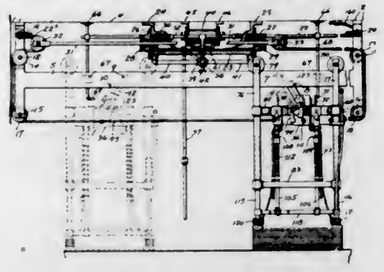
1. In an elevating and lowering mechanism for scaffolds, a frame comprising spaced parallel beams and transverse bars arranged in pairs therebetween, winding drums journaled between the pairs of transverse bars, a ratchet associated with the inner face of each winding drum, a gear having connection with the shaft of each drum, a longitudinal driven shaft supported between the inner pair of transverse bars, gear wheels carried at the ends thereof meshing with the last mentioned gears, a drive shaft disposed transversely of said beams and having connection with said driven shaft, means for rotating said drive shaft, and a rocking bar journaled on one of the beams of said frame and provided at its ends with transversely disposed pawls cooperating with the aforesaid ratchets in said drums for limiting the movement of the latter in one direction, and means for manually actuating said rocking bar.

1,507,823. ARTIFICIAL-TOOTH STRUCTURE. JOSEPH A. GARDNER, Memphis, Tenn. Filed Feb. 29, 1924. Serial No. 695,929. 9 Claims. (Cl. 32—9.)



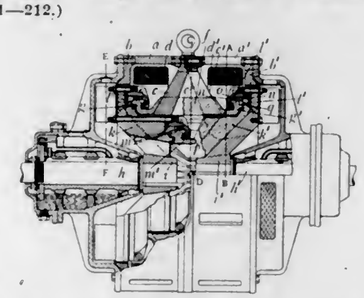
1. A tooth facing approximately one-half tooth thickness, having a groove with under cut sides in the back thereof, said groove being open at the root end of said facing and extending toward, but not to the occlusal edge of said facing, and having a portion of the said sides cut away whereby openings are provided into both ends of said groove.

1,507,824. MACHINE FOR HANDLING RUGS. JOHN W. GHEEN, Los Angeles, Calif. Filed Oct. 13, 1920. Serial No. 416,738. 5 Claims. (Cl. 212—25.)



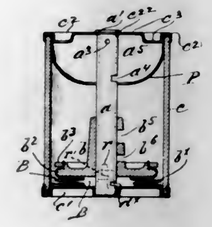
1. In a machine for handling rugs, carpets or like articles, comprising a suspended frame with tracks therein, in combination with a carriage, adapted to run on the said tracks; a handling means in the said carriage, a cylinder, adapted to automatically run the said carriage back and forth over several piles of the said rugs, carpets or like articles; a dash pot, adapted to regulate the travel of the said carriage at the end of each stroke thereof, as set forth.

1,507,825. HOMOPOLAR ELECTRIC-CURRENT GENERATOR OR MOTOR. JAMES FRANCIS GILL and JOHN NICHOLAS CHAVIARA, Liverpool, England. Filed Nov. 28, 1923. Serial No. 677,498. 3 Claims. (Cl. 171—212.)



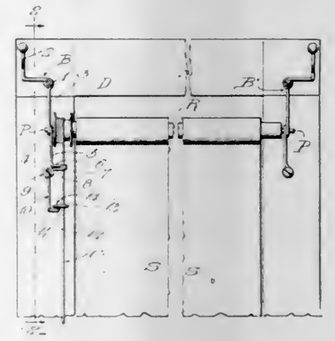
1. In dynamo electric machines of the type in which the current conducting portions of the rotor and stator are joined by a ring of mercury located in a gap between said parts, means in one of said parts whereby mercury displaced at one side of the gap is returned to the other side for maintaining an adequate amount of mercury in the gap, substantially as described.

1,507,826. SOUND-PRODUCING DEVICE FOR DOLLS, ETC. LEO J. GRUBMAN, New York, N. Y., assignor to Grubman Engineering and Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 18, 1922. Serial No. 601,725. 15 Claims. (Cl. 46—46.)



11. In a sound producing device, a casing, sound producing means enclosed within said casing including a bellows having a flexible body wall, a movable air expelling head fixed to one end of said wall, and a common closure member for the other end of the bellows chamber and one end of said casing.

1,507,827. WINDOW-SHADE FIXTURE. WILLIAM PENN HALL, Worthville, N. C., assignor of one-half to Edgar L. Yow, Worthville, N. C. Filed Mar. 19, 1923. Serial No. 626,154. 2 Claims. (Cl. 156—24.)

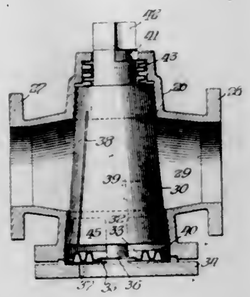


1. A window shade bracket formed of a length of wire bent to form a bearing for a roller pintle, the wire being extended downwardly from the bearing and bent to form a cord guide, said wire being extended downwardly from said guide and bent forwardly, backwardly and again forwardly to form an open wedge-shaped cord gripping device, the lower extremity of the wire being bent laterally to form a guard at the front end of said cord gripping device.

1,507,828. VALVE. PHILIP S. HARPER, Chicago, Ill. Filed Oct. 8, 1921. Serial No. 506,505. 5 Claims. (Cl. 251—98.)

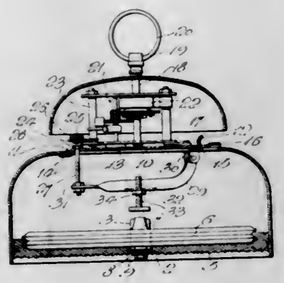
1. In a valve, a body member, a rotary closing member having a bearing in the said body member and having an operating stem extending from one end thereof, a diaphragm member positioned in a plane at right angles to the axis of rotation of said rotary closing member, the said diaphragm being subjected on its side toward the

operating stem of said rotary closing member to the fluid presure within the valve, and on its other side to the



external atmospheric pressure, and means of connection between the said rotary closing member and the said diaphragm member.

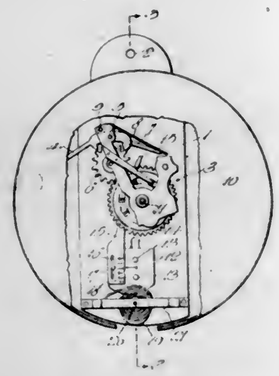
1,507,829. AUTOMATIC FIRE ALARM. FRANK P. HARTLEY, Bangor, Me. Filed Sept. 6, 1923. Serial No. 661,244. 4 Claims. (Cl. 116—102.)



3. In a device of the character described, a support, a signal carrier removably connected with said support, spring-operated signal means carried by the outer face of said carrier and including a latch normally in an operative position, a lever pivotally connected with said carrier and positioned beneath the same, a stem extending from the lever through said carrier for engaging said latch and moving the latch to a releasing position when the lever is moved upwardly, a thermostat mounted in said support, and an abutment carried by said lever and positioned above said thermostat for engagement thereby to permit movement of the lever to release the latch, said abutment being adjustably mounted for movement towards and away from the thermostat.

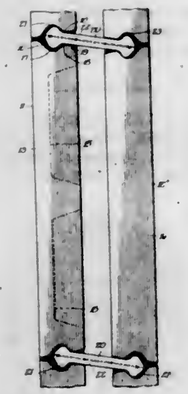
1,507,830. FIRE ALARM. FRANK P. HARTLEY, Bangor, Me. Filed Nov. 15, 1923. Serial No. 674,951. 2 Claims. (Cl. 116—102.)

1. A device of the class described comprising a support, a spring-actuated alarm mounted thereon and having a control member by means of which it is normally held against operation, a member slidably mounted on said support in spaced relation with said control member, a finger extending from said slidably mounted member to



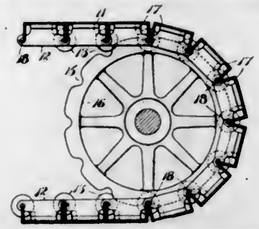
operate said control member, a cam mounted on said support for sliding said slidably mounted member, and a thermostat anchored to said support for turning said cam.

1,507,831. CONCRETE WALL CONSTRUCTION. ARTHUR G. HATCH, Duluth, Minn. Filed Apr. 5, 1924. Serial No. 704,353. 3 Claims. (Cl. 72—43.)



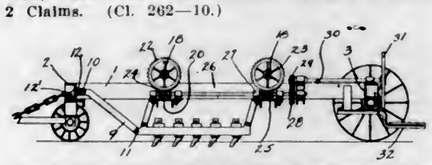
1. In a wall construction, a pair of oppositely placed walls formed of wall blocks, opposed recesses formed in the ends of juxtaposed blocks, tie blocks connecting the two walls, the tie blocks having enlarged ends fitted in the recesses formed between the adjacent blocks, the ends being smaller than the recesses whereby the tie blocks may be angularly disposed to connect walls having the block joints laterally displaced relative to each other.

1,507,832. PAN CONVEYER FOR FURNACES. KENNETH M. HENRY, San Francisco, Calif., assignor to Illinois-Pacific Glass Company, San Francisco, Calif., a Corporation of California. Filed Oct. 18, 1922. Serial No. 595,236. 2 Claims. (Cl. 193—195.)



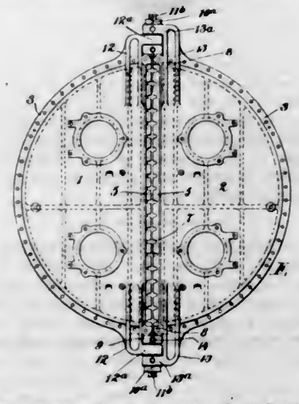
1. A pan conveyer for furnaces comprising articulated link sections, channel-shaped slats connecting opposite sections together, connecting means between adjacent slats permitting articulation and closing the space between comprising a curved flange formed on a leg of each slat.

1,507,833. ROAD SCARIFIER. JAMES B. JARMIN, Spokane, Wash. Filed Dec. 10, 1921. Serial No. 521,356. 2 Claims. (Cl. 262—10.)



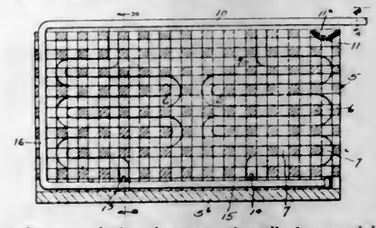
1. The combination with a wheeled frame of a drop plate having sockets therein and scraping teeth secured in said sockets arranged in staggered relation, spaced crank shafts journaled in said frame, suspending links connecting said shafts and plate and wormed gear wheels on said shafts, draft links connecting said plate and frame, a worm shaft journaled in the frame and wormed gears thereon engaging said worm gear wheels, and a hand wheel on said worm shafts.

1,507,834. STEAM CONDENSER, FEED-WATER HEATER, AND THE LIKE. JAMES ERNEST JOHNSON, Bolton, England, assignor to Hick, Hargreaves & Company Limited, Bolton, England. Filed July 3, 1922. Serial No. 572,684. 7 Claims. (Cl. 220—34.)



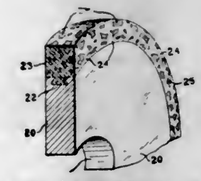
1. Closure means for condenser, feed heater and the like units comprising a pair of doors hinged adjacent the vertical centre line of the unit, a pair of fixed pins supported from said unit, a pair of rotatable eccentric bush members mounted around each of the fixed pins, a pair of housing members carried by each door and disposed so that each housing member is acted upon by an eccentric bush member when the latter is rotated so that in opening and closing the doors may be displaced with respect to the unit.

1,507,835. LIQUID-FUEL BURNER. PAUL WILMER JONES, Mobile, Ala., assignor of one-third to Glenn L. Norman and one-third to Eugene Walters. Filed June 15, 1923. Serial No. 645,660. 2 Claims. (Cl. 158—8.)



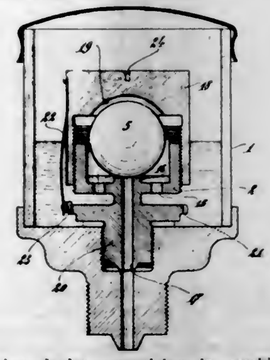
1. A burner of the character described comprising an integral cellular mass of refractory material adapted to be seated as a unit in a fire box, said mass having a closed bottom and having some of its cellular structure omitted to form sinuous passages which are in addition to the openings of the cells, a fuel supply pipe, a vaporizer for the fuel supply pipe which extends across said cellular mass and nozzles carried by said fuel supply pipe and discharging directly into the entrance ends of the sinuous passages.

1,507,836. POLISHING WHEEL. CLARENCE R. KING, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 30, 1921. Serial No. 488,615. 4 Claims. (Cl. 51—206.)



1. An abrasive article comprising a resilient cushioning body and spaced teeth of bonded abrasive grains united therewith.

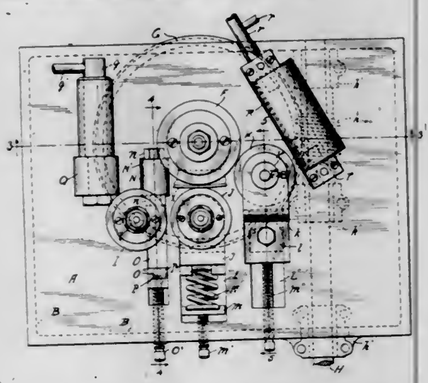
1,507,837. LUBRICATING DEVICE. CURT KNEBEL, Mannheim, Germany. Filed Jan. 8, 1921. Serial No. 436,006. 1 Claim. (Cl. 184—69.)



A lubricating device comprising in combination, an oil container, a chamber disposed near the bottom of said container and having an oil discharge channel ex-

tending vertically through the bottoms of said chamber and said container, an oil inlet extending through the bottom of said chamber and a ball on the upper end of said discharge channel adapted to close said channel, said chamber being airtightly closed but for said discharge channel and said inlet.

1,507,838. BENDING MACHINE FOR ANGLE IRONS. NIC KRUMP, Chicago, Ill. Filed Dec. 23, 1922. Serial No. 608,640. 4 Claims. (Cl. 153—55.)



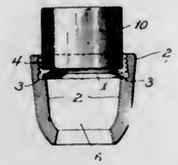
1. In a machine for bending angle iron, a plurality of vertical shafts, one thereof a driving shaft, and a plurality of rolls mounted on said shafts, in combination with means to vertically adjust said rolls, said means comprising a screw threaded hole in the upper ends of said shafts, bolts provided with corresponding screw threads fitting said screw threaded holes, means to suspend said rolls on said bolts and means to secure said bolts in a determined position.

1,507,839. APPARATUS FOR TREATING TEXTILE FIBERS. LOUIS N. LA FAYETTE, Plymouth, Mass. Filed Mar. 14, 1922. Serial No. 543,553. 12 Claims. (Cl. 8—5.)



1. In an apparatus of the kind described, a telescoping holder comprising two perforated tubes one of which is free to slide within the other, said holder being adapted to receive a plurality of bundles of textile fibers, and oppositely acting means whereby bundles placed upon said holder for treatment will be kept in substantially balanced condition.

1,507,840. METHOD OF PROVIDING METAL PACKING BETWEEN TWO MEMBERS. FREDERICK K. LANDGRAF, Pittsburgh, Pa., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 10, 1920. Serial No. 357,594. 1 Claim. (Cl. 153—32.)



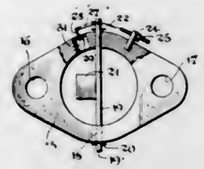
The herein described method of providing a metal packing between two members, one of which has an internally threaded part to receive an externally threaded part of the other member, consisting in placing upon a shoulder at the end of the internally threaded portion a pliable metal gasket having a shape corresponding to a cross section of a hollow cone, flattening said gasket on said shoulder under pressure and simultaneously expanding it and causing it to cover said shoulder and extend beyond the free edge of the threads of said internally threaded member.

1,507,841. STAY-BOLT STRUCTURE. FREDERICK K. LANDGRAF, Pittsburgh, Pa., assignor to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 11, 1921. Serial No. 436,473. 3 Claims. (Cl. 85—1.5.)

1. The combination with a hollow member having an internally threaded portion and also an internal annular shoulder adjacent to the inner end of the threaded portion, of a metal gasket lying flatly against said shoulder and having its peripheral portion extending radially past the free edge of the threads of the threaded portion of said member, whereby said gasket is prevented from escape from said hollow member.

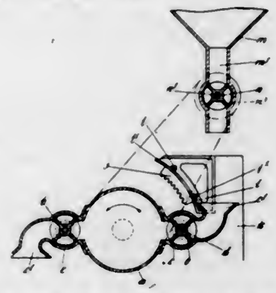
1,507,842. INTERNAL-COMBUSTION ENGINE. ALVIN A. LOETSCHER, Chicago, Ill. Filed Sept. 13, 1922. Serial No. 587,951. 2 Claims. (Cl. 137—152.)

2. In a charge forming device for internal combustion engines having a carbureter and an intake manifold, a gasket interposed between the carbureter and the intake manifold and having an auxiliary air inlet provided therein, a butterfly valve having trunnions pivotally mounted in the wall of the inlet openings and controlling the flow of air through said opening, a rock shaft rotatably mounted in the gasket and extending transversely thereacross, a vane rigidly connected with the rock shaft within the gasket and disposed to be operated upon and influenced by the gases flowing through the manifold, said rock shaft having a diametric opening, a pin secured in said diametric opening and projecting at its ends beyond the rock shaft, a spring having one of its ends connected to one end of the pin, a post carried by the gasket, an adjusting screw



mounted on the post and engaging the end of the spring opposite to that which is connected to the pin, a link pivotally connected to the end of the pin opposite to that connected to the spring, said butterfly valve having an arm pivotally connected to the link.

1,507,843. CHARGING AND DISCHARGING DEVICE. FREDERICK DEACON MARSHALL, Westminster, London, England. Filed June 1, 1922. Serial No. 565,271. 8 Claims. (Cl. 214—18.)



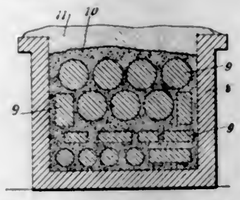
1. Apparatus for the heat treatment of materials, comprising a rotary cylinder, rotary valve means each having a plurality of radial arms carried by said cylinder, said radial arms serving to seal said cylinder, and cooperating means disposed externally to said cylinder for engaging with and intermittently rotating said rotary valve means during the rotation of said cylinder for the purpose specified.

1,507,844. TREAD FOR BOOTS OR SHOES. HERBERT T. MASON, Brookfield, Mass. Filed Sept. 7, 1923. Serial No. 661,517. 1 Claim. (Cl. 36—30.)



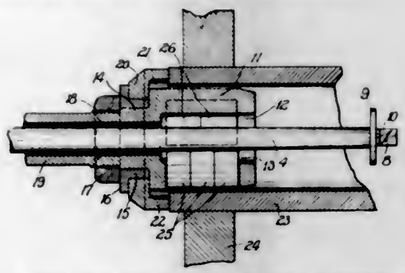
A tread for boots or shoes comprising a body portion of some stiff flexible material presenting an outer edge surrounding an interior cavity, a backing to said cavity of some strong material attached to the body of the tread and having a facing of rubber, means for securely fastening said rubber-faced backing to said body of the tread, a filling of some relatively soft wearing material in comparison with the material constituting said body contained within said cavity, and means for securing said filling to said rubber-faced backing in a manner whereby the filling may be removed therefrom without disrupting said backing.

1,507,845. CARBONIZING COMPOUND AND PROCESS OF MAKING AND USING IT. STANLEY B. MATHEWSON and WALTER K. JAMISON, Springfield, Ohio, assignors to Walter K. Jamison, Stanley B. Mathewson, Howard F. Marston, Mrs. W. K. Jamison, and Mrs. S. B. Mathewson, trustees of the Lecar Carbon Company, a Trust Estate, Springfield, Ohio. Original application filed Apr. 3, 1922, Serial No. 549,274. Divided and this application filed Aug. 7, 1922. Serial No. 580,225. 4 Claims. (Cl. 148—30.)



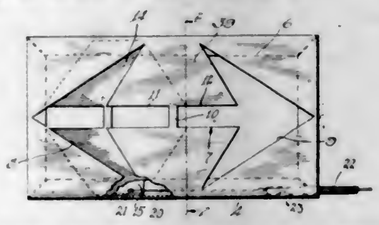
1. The process of case hardening metals consisting in heating the metal in the presence of carbonizing material consisting of ash moisture and fixed carbon containing material volatilizable by the heat to carry the carbon into the surface of the metal to be case hardened.

1,507,846. TUBE EXPANDER. GRAVES R. MAUPIN, Moberly, Mo., assignor to The J. Faessler Manufacturing Company, a Copartnership composed of John W. Faessler, Christinia Faessler, Louis E. Faessler, and Graves R. Maupin, all of Moberly, Mo. Filed Aug. 27, 1923. Serial No. 659,454. 4 Claims. (Cl. 153—82.)



1. A tube expander comprising a cage, a tapered mandrel extending through said cage, and a plurality of sectional rollers arranged in groups varying in number of sections located in said cage, said rollers contacting with the mandrel and adapted to be projected beyond the periphery of said cage by the action of said mandrel.

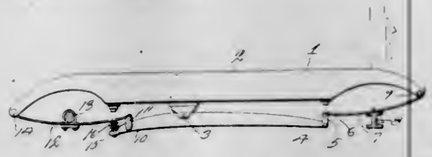
1,507,847. SIGNAL DEVICE FOR MOTOR VEHICLES. HARRY MAYER, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,310. 1 Claim. (Cl. 116—44.)



A signal device of the character described comprising a source of light, a stationary stencil placed in front of said light having an opening therethrough in the shape of an arrow having a pointed head at each end thereof, a mov-

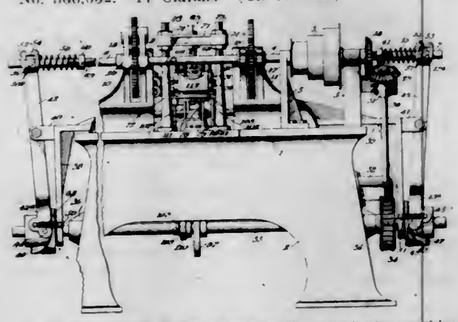
able element arranged to slide laterally mounted in the rear of said stencil and arranged to be entirely concealed when said movable element is midway between the tips of said arrow-shaped opening in said stencil, said movable element having slots therein arranged to register with the opening in said stationary stencil forming the shaft of said arrow, whereby said movable element when moved to either end of said stationary stencil may close that part of the opening forming the head of the arrow adjacent to the movable stencil.

1,507,848. VEHICLE SPRING. HERMAN B. MILLER, Manatee, Fla. Filed Mar. 27, 1923. Serial No. 628,086. 1 Claim. (Cl. 280—104.)



The combination with the side rail of an automobile frame, axles disposed beneath said rail adjacent its forward and rear ends, of a spring device, said device comprising an equalizing bar below the rail and pivoted intermediate its ends, semielliptic springs having their outer ends connected to the ends of the rail, said springs supporting the axles, said springs extending inwardly towards each other and having their inner ends pivoted to the equalizing bar, one of said springs being pivoted to the equalizing bar at a point spaced from its end and a coiled spring interposed between the last-named end of the spring and the adjacent end of the equalizing bar.

1,507,849. NIPPLE-MAKING MACHINE. HACKLEY MORRISON, Richmond, Va. Filed Mar. 17, 1920. Serial No. 366,662. 17 Claims. (Cl. 77—21.)



1. In a machine of the character described, the combination with a pair of alined tool spindles, of a pair of adjustable working heads in which said spindles are journalled, means for rotating said spindles, means for reciprocating said spindles toward and from each other comprising a pair of levers pivoted on said working heads, a pair of cams arranged to engage and oscillate said levers, means between the adjacent ends of said spindles for supporting blanks to be operated upon, and means for adjusting said working heads and thus varying the distance between the spindle ends so as to operate upon blanks of different lengths, said levers and cams moving together when the working heads are adjusted, whereby a constant relation between them is maintained.

1,507,850. TRUNDLING TOY. MIKE OLESEK, Cheboygan, Mich. Filed Nov. 18, 1922. Serial No. 601,744. 3 Claims. (Cl. 46—47.)

1. In a trundling toy, a handle bar, a trundling wheel journaled laterally of the outer end thereof, a cage slidably mounted upon the handle bar, cooperating means carried by the cage and trundling wheel to effect reciprocating



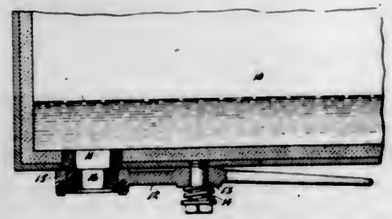
movement of the cage upon rotation of the trundling wheel, and a bell and striker hammers carried by the upper end of the cage and handle bar respectively.

1,507,851. VEHICLE BODY AND UPHOLSTERING OR WALL CUSHION THEREFOR. CHARLES O. ORMSBEE, Flint, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Dec. 30, 1922. Serial No. 609,908. 3 Claims. (Cl. 155—184.)



1. The combination of an upholstered cushion comprising springs, a border frame having an outwardly facing upholstery securing channel, an upholstery covering having an edge provided with a finishing flap, said covering and the outer edge of said flap being clamped within said channel, said flap being folded rearwardly over the border frame and constituting a finish for the edge of the cushion, and a cross wire mounted on the back of the cushion in spaced relation to said border frame, the inner edge of said flap being secured to said cross wire.

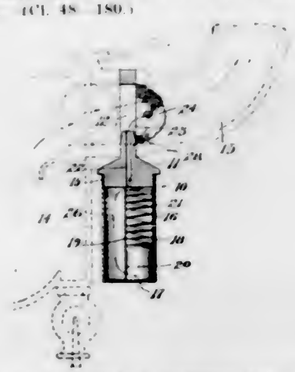
1,507,852. GLASS FEEDER. CLAUDE W. PLEUKHARP and HARRY RAYNES, San Francisco, Calif., assignors to Illinois-Pacific Glass Co., San Francisco, Calif., a Corporation of California. Filed Mar. 9, 1922. Serial No. 542,226. 5 Claims. (Cl. 49—55.)



5. The combination with a glass feeding vessel having a discharge orifice in its bottom of an arcuate plate having a central handle member and pivotally mounted on the bottom of the vessel and having sliding contact therewith

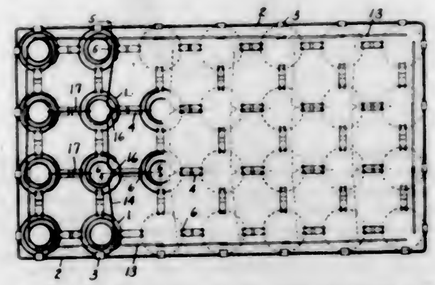
and a series of spigots, each of a different size carried by said plate and adapted to be moved into successive register with the discharge orifice whereby one spigot may be substituted for another, the plate meantime serving to cut off the flow of glass.

1,507,853. AUXILIARY AIR-INLET DEVICE. CECIL F. PRATT, San Francisco, Calif., assignor to Sphinx Products Corporation, San Francisco, Calif., a Corporation of California. Filed May 11, 1922. Serial No. 560,016. 2 Claims. (Cl. 48—180.)



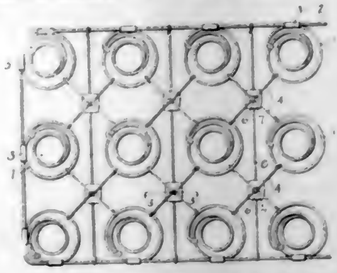
1. In combination with a carbureter and the intake manifold of an internal combustion motor, of a valve mechanism comprising a head member adapted to be secured between the flanges of the manifold and the carbureter, said head member having an opening formed therein in alignment with the bore of the manifold, a reticulate cover for said opening, a cylindrical shell fixed at one end to said head member, a valve cage fixed eccentrically in said shell and having a longitudinal slot formed therein, said shell having an inlet opening formed in its bottom below the valve cage, a reciprocable valve member in said cage, a spring in the cage normally tending to maintain said valve member over said inlet opening to prevent the admission of air therethrough, a passageway formed in the head member communicating with the interior of the shell and the interior of the manifold through said opening in the head member, whereby suction of the motor will raise said valve member and draw air into the manifold through the inlet opening of said slot and said passageway.

1,507,854. SPRING STRUCTURE. HERMAN O. REIDENBACH, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Aug. 14, 1922. Serial No. 581,744. 2 Claims. (Cl. 5—252.)



1. In a spring structure, the combination with a plurality of upright body springs, of channel-shaped bracing strips engaging intermediate coils of adjacent springs, and brace wires having their ends engaged in said channel brace strips and having intermediate parts thereof engaged with coils of intermediate springs.

1,507,855. SPRING STRUCTURE. HERMAN O. REIDENBACH, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Feb. 10, 1923. Serial No. 618,248. 3 Claims. (Cl. 5—267.)



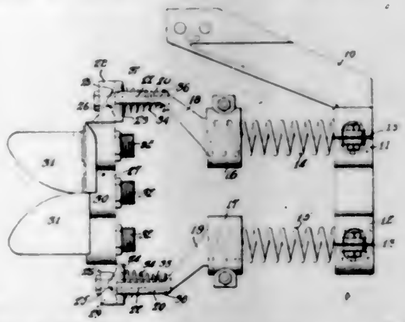
3. In a spring structure, the combination of a plurality of body springs, V-shaped tie members having their ends connected to adjacent springs and having lateral offsets in their bights, clip members disposed on said lateral offsets, and tie wires threaded through said offsets so that the clip members lie between the tie wires and tie members.

1,507,856. DEVELOPING DEVICE. CHARLES S. ROBERTSHAW, Natchitoches, La. Filed June 18, 1923. Serial No. 646,166. 10 Claims. (Cl. 95—100.)



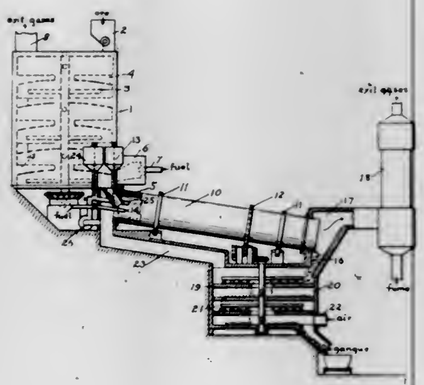
1. A developing device for use in photography, comprising a frame provided at each end with a transversely extending retaining tongue, and a shiftable separator member extending transversely of and slidably connected with said frame.

1,507,857. CONNECTER-HEAD SUPPORT. EDWARD A. ROBINSON, Montreal, Quebec, Canada, assignor of one-half to himself and one-half to Ellison Edward Workman, both of Montreal, Canada. Filed Dec. 17, 1921. Serial No. 522,983. 28 Claims. (Cl. 285—24.)



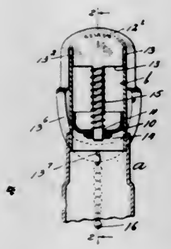
20. In an automatic train pipe connecter, a bracket and head and connections between the upper and lower parts of said head and the bracket including separate springs sustaining the entire weight of the head.

1,507,858. PROCESS FOR RECOVERING METALLIC VALUES FROM ORES. WALTER A. SCHMIDT, Los Angeles, Calif., and GEORGE M. COLVOCORESSES, Humboldt, Ariz., assignors to Western Metallurgical Company, Humboldt, Ariz., a Corporation of Delaware. Filed Feb. 20, 1922. Serial No. 537,689. 7 Claims. (Cl. 75—17.)



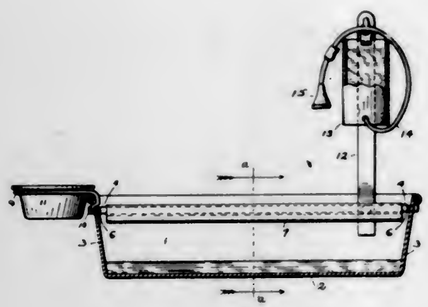
1. The process which consists in preheating ore by contact with hot gases, to a temperature of about 800° C. and then adding salt to the ore and further subjecting the ore to heat to volatilize metallic constituents therefrom, and subjecting the gases bearing such metallic constituents to fume collecting operation separate from the gases in the preheating operation.

1,507,859. AUTOMATIC BURNER TIP. WILLIAM SCHMITZ, New York, N. Y. Filed Apr. 28, 1923. Serial No. 635,213. 11 Claims. (Cl. 67—116.)



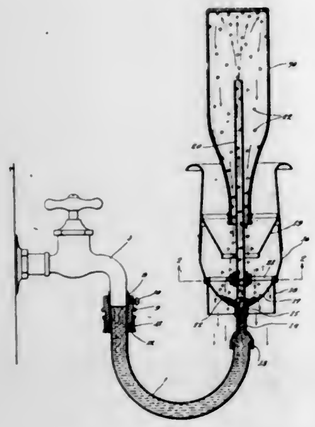
1. In a safety device for gas burners, the combination with a standard gas tip, of thermostatic means supported within said tip and a manually operable valve in said tip for controlling communication between said burner and said tip and capable of being automatically controlled by said thermostatic means.

1,507,860. BATHING APPARATUS. CHARLES G. SCHOBER, Berkeley, Calif. Filed Dec. 22, 1919. Serial No. 346,498. 1 Claim. (Cl. 4—4.)



In combination with the tub of a bathing apparatus, said tub having a perforated wall, a rod hooked into said perforations and forming an outwardly projecting loop and a basin in said loop supported thereby.

1,507,861. BOTTLE WASHER. VICTOR SCHWARZ, Cleveland, Ohio. Filed Aug. 10, 1922. Serial No. 580,858. 1 Claim. (Cl. 15—95.)



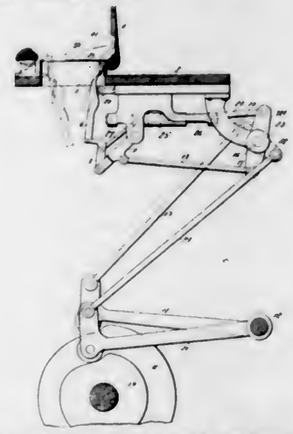
A bottle washer comprising a hollow cylindrical head portion having an annular shoulder near its lower end; a substantially cup shaped screen member arranged in the head portion and having a central opening, an annular flange carried by the screen and resting upon said shoulder, a ring arranged to retain the flange and shoulder in snug engagement, said screen having its lower end terminating within the hollow head and connected to a source of water supply, an injector tube arranged centrally in the head portion and supported by said ring, the lower end of said injector pipe being spaced slightly from the central opening in the screen, and the injector pipe being extended outwardly from one end of the hollow head portion.

1,507,862. BOTTOM MAKING MACHINE FOR FURNACES. SAMUEL B. SHELDON, Duluth, Minn. Filed Jan. 16, 1922. Serial No. 529,804. 5 Claims. (Cl. 214—18.)



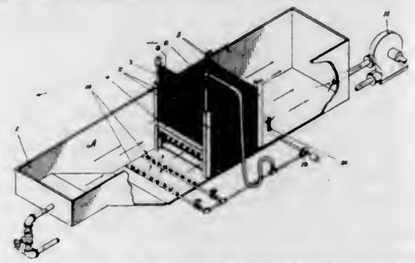
1. A bottom making machine for furnaces comprising a car structure adapted to run upon charging machine tracks upon a furnace charging floor, a carriage movable relative to said car toward and from the furnace, and a dolomite gun supported from said carriage and adapted for vertical and horizontal adjustment relative to the carriage.

1,507,863. ENVELOPE MACHINE. WILLIAM H. SHEPPARD, Worcester, Mass., assignor to Sheppard Envelope Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1921. Serial No. 451,518. 4 Claims. (Cl. 93—72.)



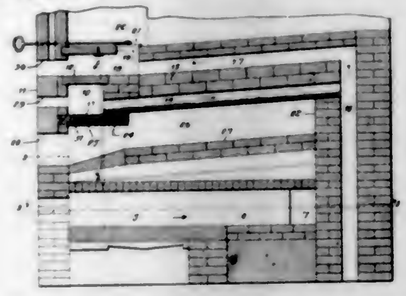
1. In a machine of the kind described, a folding mechanism comprising a bed having a solid edge, said bed having slots therein and means adapted to pass through said slots to engage the under side of the work and lift it off said bed and thereafter to engage the edge of said work and push it edgewise off said bed.

1,507,864. METHOD OF LOADING. FRANCIS BETTS SMITH, San Francisco, Calif. Filed Oct. 22, 1923. Serial No. 670,101. 7 Claims. (Cl. 214—152.)



1. The method of segregating articles for transport to a point of distribution comprising the steps of promiscuously placing articles in bulk into a fluid, circulating said fluid in a manner to hold said articles in mobile suspension, progressively admitting said articles into a series of compartments immersed in said circulating fluid, removing said compartmented articles from said fluid, transporting them to another body of circulating fluid whereby they are removed from said compartments by said fluid.

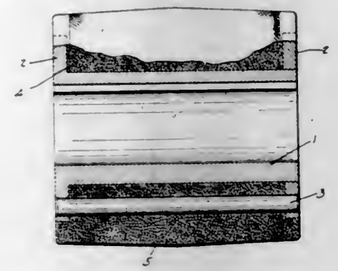
1,507,865. OVEN. GEORGE P. SMITH, Baltimore, Md. Filed Nov. 15, 1923. Serial No. 674,921. 5 Claims. (Cl. 107—55.)



1. An oven comprising a fire box, a chimney, a hearth, front, rear and side walls, a flue pipe support extending from side wall to side wall and consisting of beams having their ends supported in said side walls, a plate beneath said beams and plastic material between said beams and resting upon said plate, flue pipes supported at one end by said rear wall and at the other by said support, a connection from said fire box to one end of each of said pipes and a connection from the other end of each of said pipes to said chimney.

3. An oven comprising a fire box, a chimney, a hearth, front, rear and side walls, a flue pipe support extending from side wall to side wall and consisting of beams having their ends supported in said side walls, a plate beneath said beams and plastic material between said front wall and the adjacent beam and between said beams and resting upon said plate, flue pipes supported at one end by said rear wall and at the other by said support, a connection from said fire box to one end of each of said pipes and a connection from the other end of each of said pipes to said chimney.

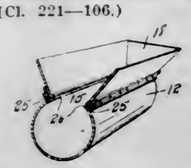
1,507,866. COMPOSITION PULLEY. FREDERICK A. STOLTE, Indianapolis, Ind. Filed Nov. 5, 1921. Serial No. 513,122. 1 Claim. (Cl. 64—17.)



A pulley comprising a metal core having an integral radially extending flange at one end, a separate flange mounted on its other end, a molded fibrous body on said core extending over said flanges and having its ends flush with the ends of the core, tie rods extending axially through said fibrous body and connecting said flanges for interlocking the fibrous body and flanges together and for securing the movable flange in position around the

end of the core, and a fabric covering secured to the peripheral face of the body the edges of the said fabric covering being substantially flush with the peripheral face of the pulley, substantially as set forth.

1,507,867. MEASURING DRUM. ROBERT C. STUBBS, Dallas, Tex. Filed Oct. 13, 1921. Serial No. 507,409. 3 Claims. (Cl. 221—106.)



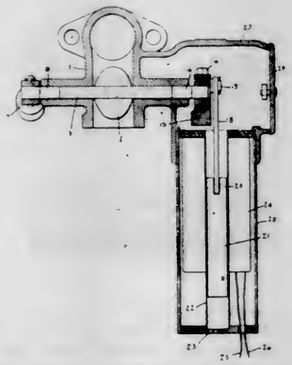
1. A measuring drum comprising a supporting frame, a hopper mounted on said frame and provided with a discharge opening in the lower side thereof, two opposite walls of said hopper having flanged bearing recesses, a tubular receptacle provided with stub shafts journaled in said frame and having an opening normally registering with the opening in said hopper and having continuous peripheral surfaces cooperating with said bearing recesses, and means for revolving said receptacle to discharge a charge.

1,507,868. PROCESS OF MAINTAINING THE MOISTURE CONTENT CONSTANT IN SUBGRADES OF PAVING AND THE LIKE. ROBERT C. STUBBS, Dallas, Tex. Filed Jan. 7, 1924. Serial No. 684,779. 4 Claims. (Cl. 94—22.)



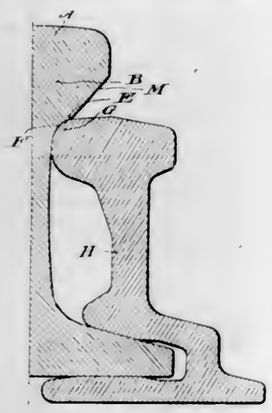
1. A process of making the moisture content constant in a subgrade under paving by forming web walls of earth on both sides of the boundaries of the subgrade by impregnating continuous sheets or portions of earth below the paving at the boundaries thereof with a water repellant material and making the web walls impervious to passage of water.

1,507,869. THROTTLE GOVERNOR. IRA T. SWARTZ, Indianapolis, Ind. Filed Aug. 4, 1919. Serial No. 315,190. 2 Claims. (Cl. 137—140.)



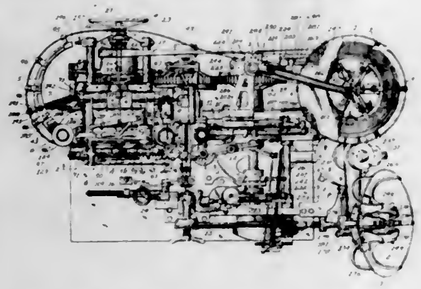
2. In an electric power system including an engine and a generator driven thereby, means for preventing momentary fluctuations of the engine speed comprising a throttle valve, a solenoid in circuit with the generator, a plunger armature connected to the throttle arranged to be moved in one direction by the solenoid and in the other by gravity, and a dashpot in connection with the armature to prevent sudden closing of the throttle on temporary failure of the solenoid, substantially as set forth.

1,507,870. RAILWAY RAIL. WILLIAM PATON THOMSON, New York, N. Y. Filed Feb. 16, 1923. Serial No. 619,467. 18 Claims. (Cl. 238—125.)



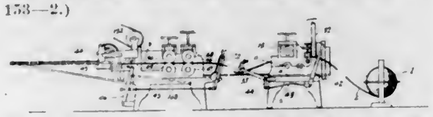
1. A rail having a substantially oblong wheel-resisting head, a rail web, and a zone interposed between said head and web, said zone having an inverted pyramidal conformation which has a truncated juncture with said web.

1,507,871. WIRE-FEEDING MEANS FOR COILING, BENDING, OR OTHER WIRE-FORMING MEANS. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Feb. 3, 1923. Serial No. 616,652. 39 Claims. (Cl. 242—78.)



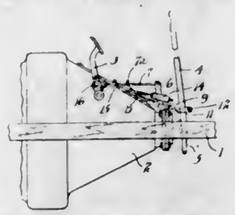
1. In a wire working machine, the combination with the feed means, of reels each adapted to receive a bale of wire and each comprising a hub member, radially disposed upwardly facing curved arms mounted on said hub member, a ring mounted on the outer ends of said arms, a cover, said arms being provided with bracket extensions at their inner ends on which said cover is supported when closed with its outer edge in spaced relation to said ring permitting the passage of a wire between the ring and cover, locking pins for holding said cover in closed position, springs acting to normally retract said locking pins, a locking plunger adapted when in projected position to actuate said locking pins to engaging position and when retracted to engage said cover for raising the same, an inclined reel supporting standard, a reel carrier rotatably mounted on said standard and having spindles for said reels disposed so that when one reel is in delivery position its axis is vertical and the axis of the other reel is inclined to facilitate loading, driving means for said carrier including a clutch, means for controlling said clutch comprising a wire guide member through which the wire drawn from the reel is passed, a plunger operatively associated with said wire guide member and adapted to be supported in one position by the wire passing through the guide member whereby upon the exhaustion of the wire said clutch is actuated to rotate said reel support, and means controlled by said plunger for automatically lifting said locking plunger whereby the cover is released and raised to permit the swinging of the support.

1,507,872. METAL-WORKING MACHINE. BERT L. VAN ORMAN, Highland Park, Mich., assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Filed Mar. 12, 1923. Serial No. 624,599. 41 Claims. (Cl. 153—2.)



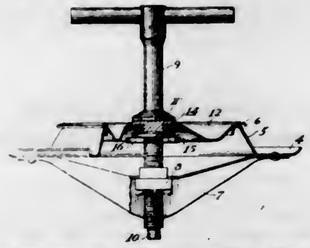
41. In a structure of the class described, the combination with a forming means, a stock preparing means, driving means for said stock preparing means, and a control means for said stock preparing means comprising a member engaging the stock between the stock preparing means and the forming means.

1,507,873. FOOT-BRAKE CONTROL. BENJAMIN W. WANDERSEE, Montrose, Minn. Filed Mar. 6, 1924. Serial No. 697,237. 5 Claims. (Cl. 74—39.)



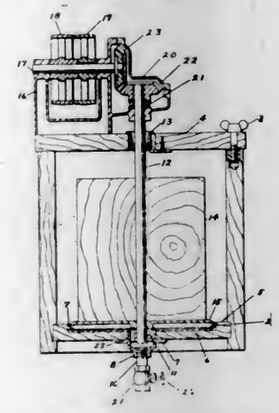
1. The combination with a Ford or other automobile having a pedal operated brake and an emergency brake, of means for holding said pedal operated brake in braking position when it is operated after said emergency brake is operated, and means for rendering said means operative.

1,507,874. ORCHARD VALVE. WILLIAM A. WATERMAN, Exeter, Calif. Filed Nov. 9, 1921. Serial No. 513,975. 4 Claims. (Cl. 137—13.)



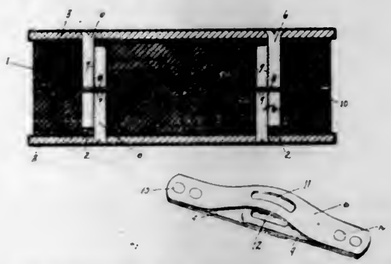
1. A valve comprising in combination a base provided with a seat, a valve stem secured to said seat so as to be moved longitudinally upon turning the stem, a valve cover through which said stem extends loosely mounted on said stem so that it may be tilted, said stem having a collar fixed thereto, said collar having a concavity opposed to said cover, and an annular gasket of ductile material interposed in said concavity and surrounding said stem, whereby upon forcing said cover upon its seat the gasket may be expanded and compressed against said stem to form a leak tight fit.

1,507,875. GLOVE-CLEANING DEVICE. ANDREW J. WEIS and JOSEPH ZIMMERMAN, Dayton, Ohio. Filed Oct. 24, 1921. Serial No. 510,091. 2 Claims. (Cl. 259—107.)



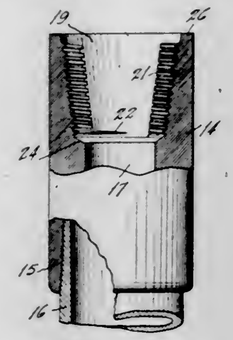
1. In a device of the type described, the combination with a casing rectangular in cross section, of a shaft projecting axially into said casing, means for rotating said shaft, a flat agitator secured to the shaft, and an inverted cupped disc attached to the bottom of the agitator and the shaft.

1,507,876. BINDER. GEORGE P. WIGGINTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Filed Dec. 20, 1922. Serial No. 607,997. 8 Claims. (Cl. 281—25.)



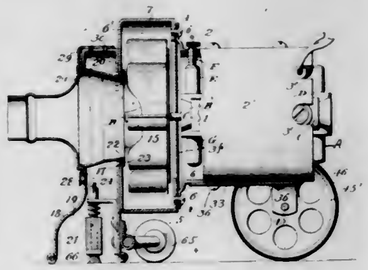
1. The combination in a binder for sheets adapted to receive binding posts, of binding bars, binding post members mounted on said bars in coacting pairs for slidable engagement within the sheet body and having coacting interlocking teeth on their meeting edges, and a post clamping device interposed in the sheet body and comprising a bowed body member and a pair of overlapping clamping members secured at their outer ends to the ends of said body member, said body member and clamping members having aligned holes therein through which the post members are disposed, the clamping members being actuated to clamp said post members together with their teeth in interlocking engagement when said body member is straightened within the sheet body by the pressure of the sheets thereon.

1,507,877. TOOL JOINT. ROBERT A. WILSON, Dallas, Tex., assignor to Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed June 6, 1921. Serial No. 475,470. 1 Claim. (Cl. 285—149.)



A rotary well boring box and pin comprising the combination of a pin having double threads arranged in spaced panels on diametrically opposite sides thereof, said pin having a shoulder at its upper end, and a box having a socket shaped to receive said pin and provided with double threads arranged in panels to mesh with the panels of the pin, each of the double threads upon the pin riding upon a continuous thread at the bottom of the socket, whereby the panels of the pin and box are meshed upon quarter turn of the pin.

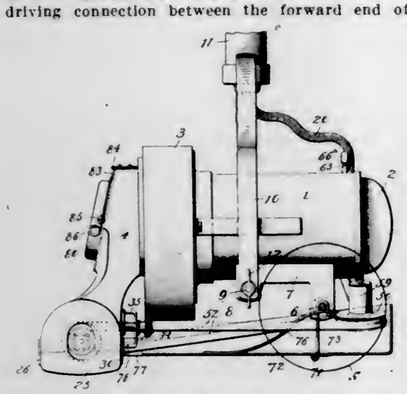
1,507,878. VACUUM CLEANING MACHINE. MORRIS S. WRIGHT, Worcester, Mass., assignor to M. S. Wright Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1916. Serial No. 121,478. 14 Claims. (Cl. 15—16.)



5. In a portable vacuum cleaning machine having the usual dust-intake and vacuum-creating means, the combination of a motor for the vacuum-creating means, a casing for said motor, said casing having an open rear end, and a removable cap for said rear end permitting access to said motor without disturbing the dust-intake, the motor being so constructed and mounted within the casing that the same may be bodily removed without dismantling any of its parts through said open rear end of the casing.

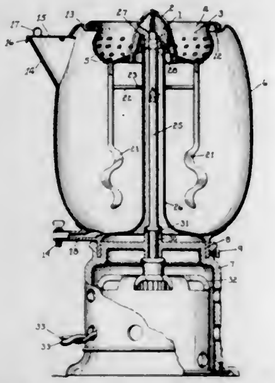
1,507,879. ELECTRIC VACUUM CLEANING MACHINE. MORRIS S. WRIGHT, Worcester, Mass., assignor to M. S. Wright Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 25, 1917. Serial No. 193,209. 27 Claims. (Cl. 15—8.)

27. In a suction cleaning machine, the combination of a vacuum chamber, a nozzle, an elongated rotatable brush in the nozzle, a drive shaft, a fan in the vacuum chamber, a driving connection between the forward end of the



drive shaft and the fan, and a driving connection interposed between the opposite end of the drive shaft and brush and connecting with the brush.

1,507,880. FRUIT-JUICE EXTRACTOR AND MIXER. ANDREW ZOUVELOS, Toledo, Ohio. Filed July 3, 1924. Serial No. 724,020. 2 Claims. (Cl. 259—23.)



1. In a fruit juice extractor and mixer, a ribbed head, a perforated receptacle connected to the head having a diameter greater than its mouth, a container for containing the head and receptacle, paddles connected to the receptacle for causing rotation of liquids located in the container, and means for causing rotation of the head, receptacle and the paddles.

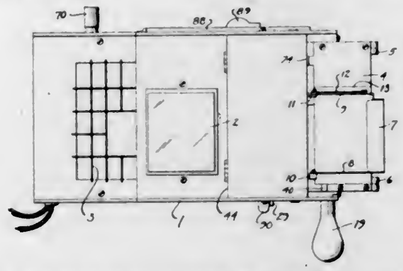
1,507,881. FIREARM. HERMAN G. ALOFS, Holland, Mich. Filed May 14, 1924. Serial No. 713,244. 7 Claims. (Cl. 42—40.)



1. In an attachment for break down guns, a storage magazine attached to one side of a gun barrel and stock, a spring therein for forcing cartridges out of the back end of the magazine, a transfer magazine pivotally mounted at the back end of the storage magazine and adapted to be made to swing over from the back of the storage magazine into position back of the gun barrel, and

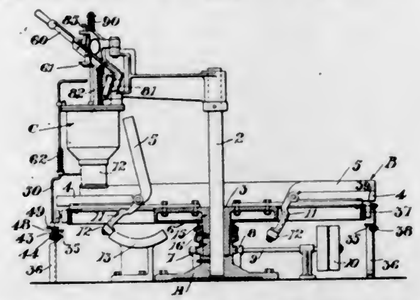
back again into position back of the storage magazine by the action of throwing the gun stock into breakdown position and again returning the stock into normal position.

1,507,882. FINGERPRINT MACHINE. ALFRED CHARLES OTTO BOCK, Brooklyn, N. Y., assignor to Fingerprint Machine Corporation, a Corporation of New York. Filed June 1, 1921. Serial No. 474,139. 16 Claims. (Cl. 41—4.)



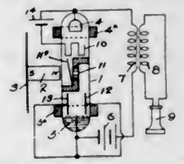
1. In a finger print recording machine, the combination with a support for a sheet upon which an impression is to be recorded, of means for feeding powder to the impressed sheet, and means for fixing the impression, said support being movable to positions where the impression is accomplished, where the powder is fed and where the impression is fixed, and means for causing a pause in the movement of the support in the powder feeding position.

1,507,883. UNIVERSAL COOKING MACHINE. HENRY A. CAMPBELL, Oakland, Calif. Filed Apr. 9, 1923. Serial No. 630,826. 17 Claims. (Cl. 219—19.)



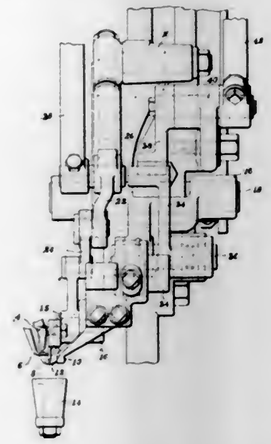
1. A machine of the character described, comprising a table, means for imparting a rotary movement thereto, a plurality of cooking units carried by the table, a cover for each unit, and means for automatically opening and closing the covers during movement of the table.

1,507,884. GASEOUS TELEPHONE TRANSMITTER. RICHARD A. ENGLER, Evanston, Ill. Filed Sept. 2, 1919. Serial No. 321,195. 11 Claims. (Cl. 179—121.)



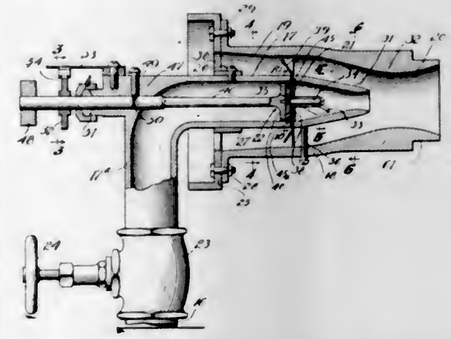
1. A telephone transmitter comprising a plate sensitive to sound waves, a magnet mounted upon said plate and a gas or vapor path, said magnet being vibrated by said plate adjacent said path, whereby the gas or vapor becomes variable in resistance.

1,507,885. INSEAM-SEWING MACHINE. ANDREW EPPLER, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 18, 1919, Serial No. 318,086. Renewed Nov. 21, 1923. 11 Claims. (Cl. 112—47.)



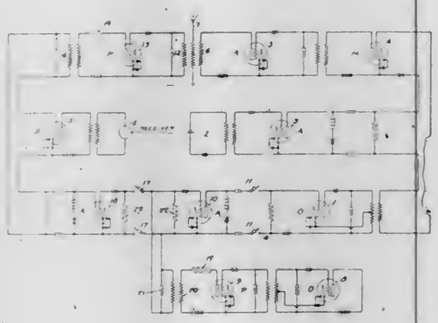
1. An inseam sewing machine having, in combination, stitch-forming mechanism, devices for guiding and intermittently feeding the shoe, and mechanism for actuating the feeding devices to give a multiple step feed to the shoe in each stitch-forming cycle.

1,507,886. GASEOUS-FUEL SUPPLY SYSTEM. THERON L. HILES, Niles, Mich. Filed June 20, 1921. Serial No. 478,804. 29 Claims. (Cl. 158—118.)



1. In a gaseous fuel supply system, the combination with a source of gas supply under pressure, a gas tube communicating with said source and having a discharge nozzle, an air tube surrounding the gas tube in spaced relation with reference thereto and having an air inlet opening at its rear end, said air tube providing an annular passageway around the gas tube and a continuing passageway forwardly of said nozzle, a fan wheel comprising turbine blades disposed in the path of gas discharged from said gas tube and adapted to impart rotation to said wheel and fan blades projecting into said annular passageway and adapted upon rotation of the wheel to force into the forward passageway a volume of air in a predetermined proportion to the volume of gas discharged from the gas tube, and means for controlling the volume of the gas thus discharged.

1,507,887. WAVE-TRANSFERRING CIRCUITS FOR COMMUNICATION SYSTEMS. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 1, 1916. Serial No. 101,181. 43 Claims. (Cl. 179—171.)



1. A two-way signal transmission system comprising separate channels for transmitting in each direction, a space discharge device cooperating with each channel and functioning as an essential element for maintaining efficient transmission therethrough, an electrode in each of said devices, and electrical arrangements whereby at a given instant of time one only of said electrodes is established at such a potential as to render the corresponding device inoperative and thereby render the channel with which said device is associated incapable of efficient transmission.

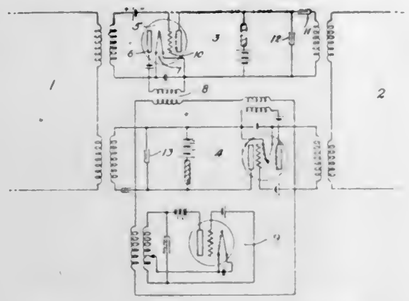
33. A system comprising a line, repeating means associated therewith, and means for automatically reversing the operative repeating direction of said repeating means with respect to said line while repeating without changing its circuital state of continuity with respect to said line.

1,507,888. SECTIONAL MOLD-OPERATING DEVICE. JESSE E. MCBRIDE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 4, 1917. Serial No. 189,669. 3 Claims. (Cl. 198—177.)



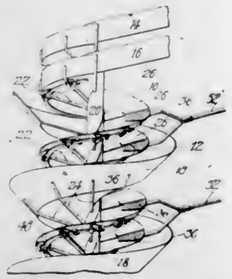
1. A combined conveyer and cover-operating device comprising an endless conveyer upon which tire molds or the like are placed, said molds having removable upper sections, of a second endless conveyer positioned above the first and having its center portion arranged in a higher plane than its end portions, said upper conveyer having a plurality of members within a space equal to that occupied by a mold upon said first-mentioned conveyer and engageable with said upper sections irrespective of the spacing of the molds upon said first-mentioned conveyer and adapted to lift said upper sections and carry the same suspended during a predetermined period of travel.

1,507,889. METHOD AND MEANS FOR REPEATING. ALEXANDER M. NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1918. Serial No. 223,222. 16 Claims. (Cl. 179—170.)



1. A two-way repeating system comprising two lines, two repeater paths connected in opposition therebetween, and means supplying electromotive forces for rendering said repeater paths substantially inoperative in cyclic order.

1,507,890. SPIRAL SEPARATOR. FRANK PARDEE, Jr., Hazleton, Pa., assignor to Anthracite Separator Company, Hazleton, Pa. Filed July 28, 1923. Serial No. 654,308. 7 Claims. (Cl. 83—54.)



2. In a spiral separator a runway formed of a series of segmental plates overlapping along their adjacent edges, said jackets having portions spaced apart where they overlap to form an open slit, and a movable jacket arranged to be moved through said slit in an arcuate path substantially concentric with the vertical axis of the runway.

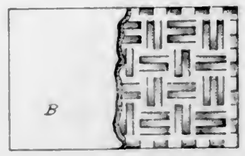
1,507,891. COMPOSITION OF MATTER FOR CARROTING FUR AND THE LIKE. CHARLES D. PARKS, Danbury, Conn. Filed June 30, 1923. Serial No. 648,849. 3 Claims. (Cl. 8—21.)

1. As a new composition of matter adapted for the carroting of fur and the like, an aqueous solution comprising sodium peroxide dissolved in water in the proportion of approximately one pound of sodium peroxide to three gallons of water.

1,507,892. TREATED FUR AND ART OF TREATING THE SAME. CHARLES D. PARKS, Danbury, Conn. Filed June 30, 1923. Serial No. 648,850. 17 Claims. (Cl. 8—21.)

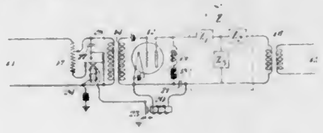
12. The herein described art of preparing fur or the like for felting which consists in treating the fur with a solution of sodium peroxide in water having a strength between 1° Baumé and 10° Baumé.

1,507,893. PLASTER BOARD. ROBERT C. RINGHOLZ, Salt Lake City, Utah. Filed Aug. 9, 1922, Serial No. 580,681. Renewed Mar. 10, 1924. 2 Claims. (Cl. 154—45.9.)



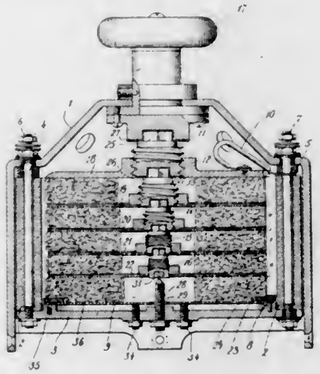
1. A plaster-board of the class described comprising a metal sheet, having a plurality of alternately adjacent convex and concave projections and recessions cut and pressed therein, leaving approximately ovate-oblong perforations in the cross section of the sheet and cover sheets of plaster on both sides of said metal sheet filling said perforations and uniting said cover sheets of plaster through the said cross-section perforations.

1,507,894. SIGNALING SYSTEM. CHARLES A. ROBINSON, Washington, D. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1921. Serial No. 523,013. 6 Claims. (Cl. 179—4.)



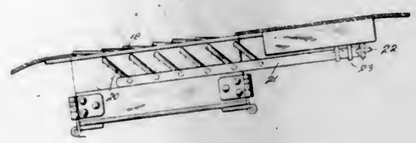
1. In combination, a repeater circuit adapted to amplify voice frequency currents with high efficiency and ringing current with relatively low efficiency and having an input and an output circuit therefor, means operative on the input circuit for increasing the efficiency of said repeater for ringing current, and an impedance in the output circuit for further increasing the relative efficiency of amplification of the ringing current compared to the voice frequency current.

1,507,895. RHEOSTAT. FLORICEL A. ROJAS, New York, N. Y. Filed June 10, 1922. Serial No. 567,419. 19 Claims. (Cl. 219—50.)



1. In a compressible resistance rheostat, the combination of a compressible resistance material, and means for applying force at a plurality of points along the thickness of the material to vary its resistance, this force being distributed so that the material is compressed and expands as a substantially true elastic body.

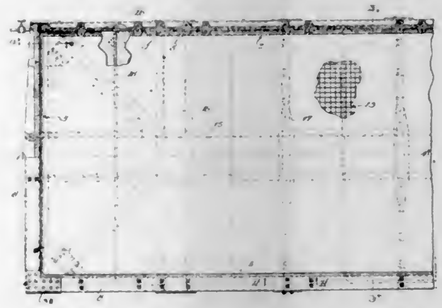
1,507,896. VENTILATING ATTACHMENT AND HEATER RECEPTACLE FOR AUTOMOBILES. WILL SCHONS, Des Moines, Iowa. Filed May 13, 1920. Serial No. 381,213. 1 Claim. (Cl. 98—22.)



A device of the class described, comprising a ventilator frame open both at its outer and its inner surfaces, and designed to be detachably secured to the body of an automobile, the frame being inserted through an opening made for that purpose in the automobile body, a series of shutters at the outer side of the frame, each pivotally connected and capable of swinging from positions overlapping each other to close the opening at the outer side of the frame to positions extending outwardly, said shutters being made progressively longer from the front toward the rear so that when opened the rear shutter will project outwardly from the rear side of the frame to a greater extent than will the front shutter, means for opening and closing the shutters, and a screen at the inner face of the ventilating frame shaped and constructed that when in an open position a heater may be inserted in the frame, and when closed it will support the heater against movement inwardly, said shutters being so shaped and designed as to support the heater against movement outwardly

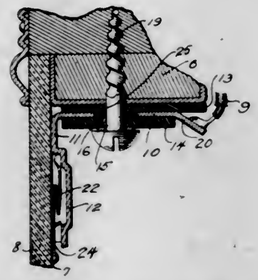
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1,507,897. CONCRETE CAR. JOSEPH B. STRAUSS, Chicago, Ill., assignor of one-half to Charles Weinfeld, Chicago, Ill. Filed Aug. 27, 1920. Serial No. 406,379. 18 Claims. (Cl. 105—405.)



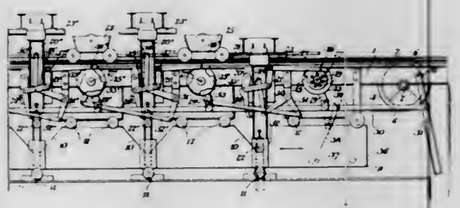
2. A concrete car comprising a metal underframe, a concrete body mounted upon said underframe, said body comprising reinforced concrete side walls and reinforced concrete end walls separate from said side walls, limiting metal members for said separate concrete ends by means of which they are held in place, and connecting means for removably connecting said end walls and side walls so that they may be disconnected for purposes of replacement.

1,507,898. FLEXIBLE CONNECTING DEVICE FOR ELECTRICAL CIRCUITS. VICTOR E. SUMMERS, Pittsburgh, Pa., assignor to Holmes Electric Protective Company, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1921. Serial No. 498,373. 6 Claims. (Cl. 173—324.)



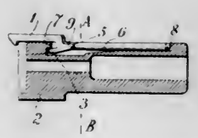
6. A device for connecting two electrical circuits, said device comprising a body portion, insulating strips covering said body portion, a tongue integral with said body portion and projecting beyond said insulated strips, the lower portion of said tongue being of concave shape, and a conductor flexibly mounted on said tongue and within said concave portion.

1,507,899. RUG-PRINTING MACHINE. JOHN TAMBERLIN, Philadelphia, Pa., assignor to The George W. Bisbon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1921. Serial No. 515,485. 18 Claims. (Cl. 101—199.)



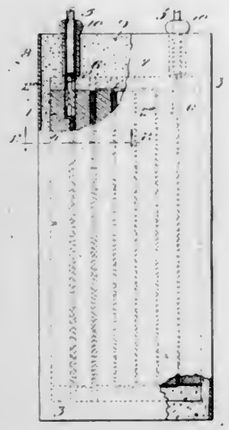
1. In a printing machine, the combination with a plurality of reciprocatory heads and means for locking them out of action, of means, comprising an adjustable master controller and mechanism controlled by a head or heads aforesaid, for releasing said heads in predetermined relation.

1,507,900. CARTRIDGE EXTRACTOR FOR FIREARMS. RUDOLF V. FROMMER, Budapest, Hungary. Filed Aug. 23, 1921. Serial No. 494,548. 2 Claims. (Cl. 42—25.)



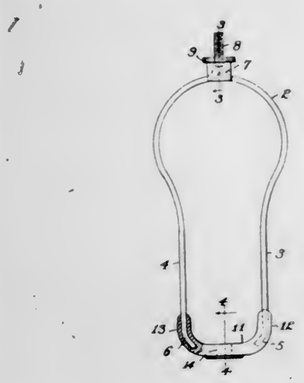
1. A cartridge extractor for fire-arms comprising in combination with the breech-block, an inelastic hook-shaped member adapted to engage in a notch in the breech-block so as to be pivotally held thereby and forming a two-armed lever, and a separate flat spring engaging the rear end of the said hook-shaped member so as to hold the same in its operative position.

1,507,901. ELECTRIC HEATER. LOREN S. WELLS, New York, N. Y. Filed Mar. 22, 1922. Serial No. 545,634. 3 Claims. (Cl. 219—64.)



1. An electric heater comprising a refractory heat conducting body provided with grooves, and a resistance conductor within said grooves, a portion of two of said grooves being enlarged, connectors within the grooves joining line conductors to the ends of said resistance conductor, the junction of said line conductors with said resistance conductor being located within said enlarged part of said grooves, a container for said body, insulators for the line conductors, and a closure at the end of the container receiving the insulators.

1,507,902. LAMP-SHADE HOLDER. AUGUST WILLENBACHER, Hackensack, N. J. Filed Aug. 29, 1923. Serial No. 659,911. 4 Claims. (Cl. 240—128.)



1. A harp comprising a rod that is formed into a partial circle or loop with end portions projecting substantially parallel, a threaded stud adjacent the loop upper end secured by a head of cast metal that incloses a loop portion and the end portion of the stud, and a yoke having portions cast on to the end portions of the rod with an opening at the middle portion of the yoke in alinement with said threaded stem, the end portions of said rod being formed to resist withdrawal from the yoke.

1,507,903. WRITING INSTRUMENT. MAURICE ALLAND, Atlantic City, N. J. Filed Dec. 6, 1923. Serial No. 678,855. 4 Claims. (Cl. 120—43.)



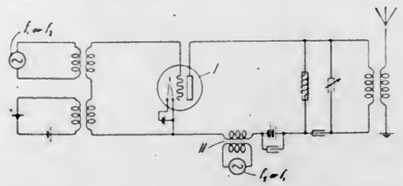
1. In a writing instrument, the combination of a pair of telescoping members, one of said members comprising a fountain pen, the other of said members comprising a magazine pencil, the pen member being provided with a pencil eraser, and the pencil member being provided with an ink eraser.

1,507,904. CAPTIVE GOLF BALL. WILLIAM HENRY ASTON, London, England. Filed Feb. 15, 1923. Serial No. 619,229. 6 Claims. (Cl. 46—4.)



1. A captive golf ball comprising a ball proper and a flexible tail for retarding the ball in its flight, the exterior surface of the ball and said flexible tail being formed all in one piece of the same material.

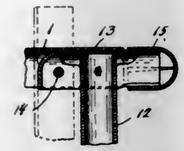
1,507,905. SIGNALING SYSTEM. WILLIAM E. BEATTY, Bayside, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1917. Serial No. 200,493. 24 Claims. (Cl. 179—171.)



4. A signaling system comprising means for supplying waves, means for supplying other waves, having a different characteristic, and a vacuum tube device for modulating individually and collectively the waves derived from said supplying means.

1,507,906. FOLDING COT. JULIUS L. CABLE, Boston, Mass. Filed Jan. 28, 1924. Serial No. 688,934. 1 Claim. (Cl. 5—117.)

A folding cot comprising side bars of semitubular metal, a pair of pivotally connected legs at one end of said bars, a connecting bar rigidly connected to the upper end of each leg at right angles thereto and having one end portion fitted within the end portion of one of said side bars and pivotally connected thereto to permit relative swinging thereof between a position of alignment



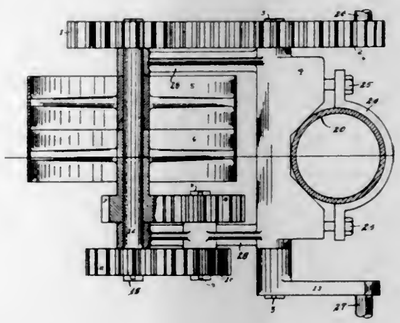
and a position at right angles, the opposite end portion of each connecting bar projecting beyond the supporting leg to form a post and an end bar having a socket in each end adapted to receive the posts of said connecting bars.

1,507,907. CALCULATOR FOR PENCILS. ALBERT B. COSAD, Oakland, Calif. Filed Aug. 23, 1923. Serial No. 658,922. 3 Claims. (Cl. 235—117.)



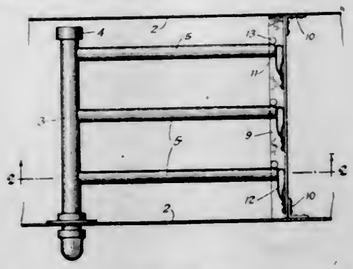
1. A calculator comprising a rod, stationary rings secured to said rod, a series of numbers printed on said rings, inner sleeves journalled on said rod between said rings, a series of numbers printed on said sleeves, outer sleeves journalled on said first mentioned sleeves, and means to couple said outer and inner sleeves together.

1,507,908. MECHANICAL MOTION. MATTHEW O. CRAWFORD, Belmond, Iowa. Filed Feb. 14, 1922. Serial No. 536,579. 1 Claim. (Cl. 74—7.)



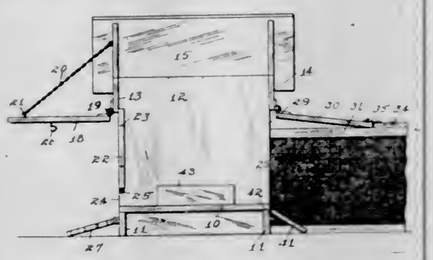
In a device of the class described, comprising a frame, means for securing the frame to a support, such for instance as a pump stock, a crank shaft mounted in the frame, a crank on one end thereof, a pulley shaft mounted in the frame, a pulley rotatably mounted on the pulley shaft, a spur gear fixedly connected to the pulley, a spur gear fixed to the pulley shaft, a train of gears arranged to transmit power from the first mentioned spur gear to the second spur gear the said second spur gear being fixed eccentric to the pulley shaft, and an elliptical gear fixed to one end of the crank shaft and in mesh with the said second gear, for the purpose as stated.

1,507,909. SPRAYING MANIFOLD. PATRICK HENRY DAVIS, Leonia, N. J., assignor to The Hamilton-Low Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 17, 1923. Serial No. 625,732. 6 Claims. (Cl. 299—58.)



1. A device of the class described, comprising a supply pipe, a plurality of spray tubes each having one end in communication with said pipe transversely thereof, and means acting on the opposite ends of the tubes for maintaining the same in contact with the pipe.

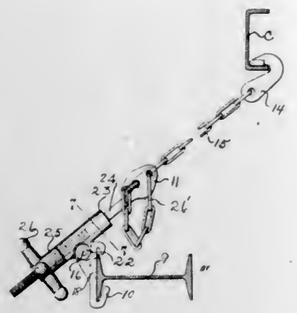
1,507,910. HATCHING AND BROODING COOP. SILAS N. DODD, Toledo, Iowa. Filed Sept. 12, 1923. Serial No. 662,253. 3 Claims. (Cl. 119—21.)



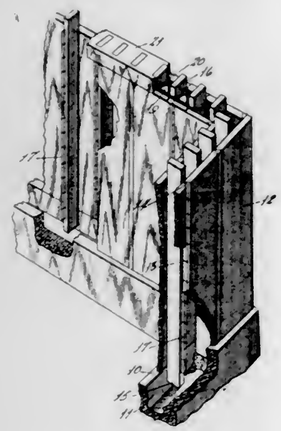
2. A coop formed with side and end members and having a suitable roof, the end members being formed narrow to form a door opening beneath them, the coop being provided with an elevated bottom, a door hinged to the lower edge of each of the end members designed to swing from an open horizontal position to a closed vertical position, means for adjustably supporting one of the doors in its elevated position, a screen door pivotally mounted in one of the door openings adapted to swing from a vertical position to a horizontal position, means for supporting said screen door in its horizontal position beneath the first said door which is adjustably mounted, said screen door being shorter than the opening in which it is mounted for the purpose of providing a passage way beneath it when closed, and a pivoted runway adjacent to the lower edge of the last said door opening, said runway being adapted to swing to a vertical position to close the opening provided beneath the said screen door.

1,507,911. GRIPPING OR FASTENING MEANS. CENO EICHMAN, Bucyrus, Ohio, assignor to Turn-Auto Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1921. Serial No. 492,919. 2 Claims. (Cl. 214—1.)

1. A gripping mechanism comprising a rail-clamp, a sleeve pivoted thereto, a hook having a shank mounted in said sleeve and adapted to be guided in said sleeve so that said shank can move to and fro in said sleeve and be held against any turning movement, the end of said shank being rounded and threaded, a nut member mounted on said sleeve and adapted to actuate said hook, a second hook having a chain connected thereto, the other end of said chain being connected to said first mentioned hook, the respective links of said chain intermediate the end thereof being adapted to be held between the jaws of said first mentioned hook, both said hooks being adapted to be urged in the same direction by the movement of said nut.



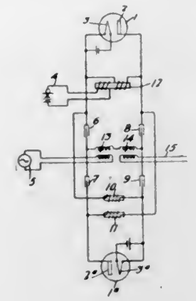
1,507,912. BUILDING CONSTRUCTION. LEONARD L. ELDRIDGE, San Antonio, Tex. Filed May 28, 1923. Serial No. 641,936. 5 Claims. (Cl. 72—16.)



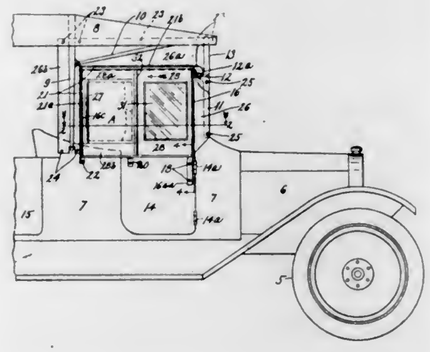
1. In a building construction, a hollow wall including a plurality of oppositely arranged slabs formed T-shaped in cross section, T-shaped re-inforcing elements embedded in the slabs and projecting from the vertical edges of the tongues, the projecting portions of said elements being received in the space between the opposed slabs and cemented therein to provide the sole bonding means for said projecting portions of the reinforcing elements.

1,507,913. MODULATION OF ELECTRICAL WAVES. ALBERT L. FITCH, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1919. Serial No. 320,546. 8 Claims. (Cl. 179—171.)

1. A modulating system comprising an electronic discharge device normally having zero space current, an anode and a cathode therefor, means to impress a voltage of carrier frequency to be modulated, and means to impress a modulating frequency voltage across said anode and cathode.



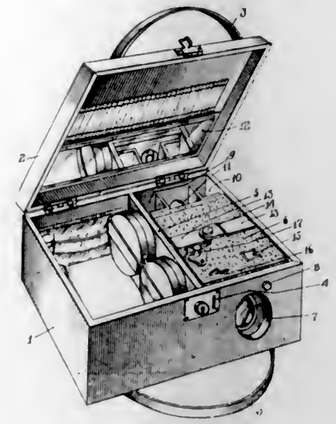
1,507,914. AUTOMOBILE CURTAIN. OLE C. FROKE, Summit, S. Dak. Filed Dec. 4, 1923. Serial No. 678,397. 4 Claims. (Cl. 296—139.)



1. In a vehicle curtain of the class described, a quadrangular frame detachably secured on the top part of a vehicle door, and extending upwardly in a common plane with the door, a rigid, rectungular frame secured to the vehicle and adapted to receive the first frame when the vehicle door is closed, said quadrangular frame having an aperture, vertically arranged rollers one in each end of said frame, a movable belt-like curtain engaging said rollers, said curtain having an aperture adapted to register with the aperture in the frame when the curtain is in one position, a quadrangular light in the curtain adapted to cover the aperture in the frame when the curtain is moved to another position to admit light into the vehicle, means for keeping the curtain taut and means within the quadrangular frame for guiding and preventing flapping of the curtain.

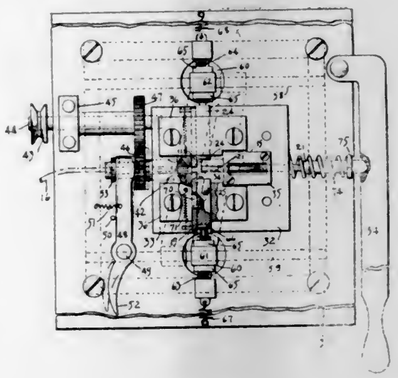
1,507,915. COMBINED VANITY AND CAMERA CASE. MAURICE GOLDSMITH, New York, N. Y. Filed Apr. 7, 1924. Serial No. 704,721. 3 Claims. (Cl. 206—15.6.)

1. A combined vanity case and camera enclosure comprising a body and a lid hinged thereto, means in the body for securing a camera therein, an aperture in one wall of the body adapted to aline with a camera lens



and a mirror secured to the inside of the lid, and adapted to reflect the rear of a camera whereby the exposure numbers may be read.

1,507,916. MACHINE FOR APPLYING TIPS TO LACINGS. FRANK P. GRANAT, New York, N. Y. Filed May 20, 1921. Serial No. 471,177. 17 Claims. (Cl. 153—1.5.)

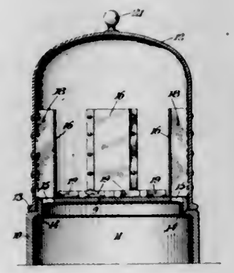


1. In a machine for attaching a tip to a lacing, the combination of a magazine for tips, a pusher-rod for positioning a tip, means for guiding the end of a lace into said tip and means for forcing portions of said tip in intimate contact with said lace.

1,507,917. COOKING UTENSIL. OTTO K. HASELAU, New York, N. Y. Filed Oct. 25, 1923. Serial No. 670,645. 9 Claims. (Cl. 126—275.)

1. A cooking utensil comprising a plate adapted to be placed on a heating device, said plate being apertured to permit the hot gases to pass through the plate from

the underneath side thereof, and a removable cover adapted to fit on the top of said plate, said cover having a passageway formed therein, the bottom of which passageway registers with the aperture through the plate and the top of which passageway is located well up in the cover, whereby the hot gases are conducted through



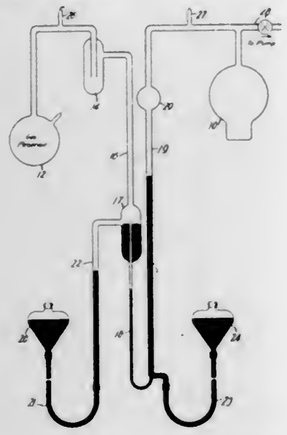
said passageway to the upper portion of the space underneath the cover and are caused to circulate downwardly about material to be cooked on the plate under the cover.

1,507,918. ADJUSTABLE SUPPORT FOR WINDOW SHADES. JULIUS G. HOWARD, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,338. 10 Claims. (Cl. 156—26.)



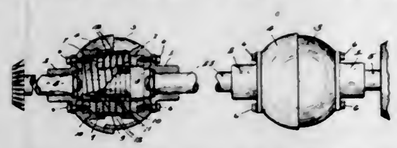
9. In combination, two parallel guides, a shade roller extending between said guides, supports for said roller mounted on said guides, suspending springs for said supports, said guides having shoulders distributed along the same, catches on the said supports adapted to be interlocked with said shoulders to hold the supports against the action of the springs, a shade including a shade stick wound on the roller, and hooks on the ends of said shade stick for engaging with said catches to release the same.

1,507,919. APPARATUS AND METHOD FOR ADMITTING GAS INTO A VACUUM. JOHN B. JOHNSON, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,187. 7 Claims. (Cl. 23—3.)



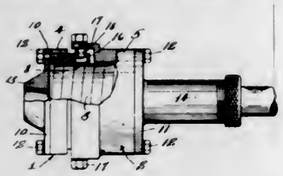
1. The method of conveying gas which comprises admitting gas into one end of a capillary tube, adjusting the length of the column of gas thus admitted, isolating said column of gas and discharging said column of gas from the opposite end of said tube.

1,507,920. FLEXIBLE COUPLING. MAXWELL R. KARGE and FERNAN O. CONILL, Phoenix, N. Y. Filed Nov. 27, 1920. Serial No. 426,841. 5 Claims. (Cl. 64—96.)



1. A flexible coupling comprising a pair of headers members, one being formed with a socket and the other with a ball in the socket, and a spring located within the ball and socket and housed thereby and secured at one end to the socket member and at its other end to the ball member for transferring torque from one member to the other, substantially as and for the purpose set forth.

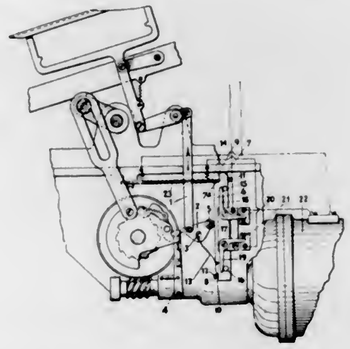
1,507,921. FLEXIBLE COUPLING. MAXWELL R. KARGE and FERNAN O. CONILL, Phoenix, N. Y. Filed Nov. 27, 1920. Serial No. 426,842. 7 Claims. (Cl. 64—96.)



1. A flexible coupling comprising a pair of headers having means for connection to shafts to be coupled together, and a coiled torsion spring fixed at its ends to the headers respectively, the headers including sleeve members encircling the coiled spring and plug members

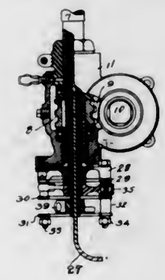
located within the spring, one of said members of each header being connected with the corresponding member of the other header by an interlocking lost motion connection, substantially as and for the purpose set forth.

1,507,922. ELECTROMOTIVE DRIVE FOR CALCULATING MACHINES. MARTIN LIEDL, Berlin-Steglitz, Germany. Filed Dec. 24, 1921. Serial No. 524,753. 4 Claims. (Cl. 161—1.)



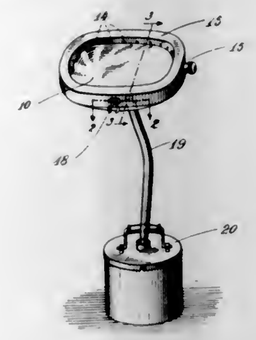
1. In an electromotive drive for calculating machines in combination with a machine key and an electric time switch in the circuit of the electric motor for automatically breaking the current after a predetermined period from the last actuation of the machine key, a bimetallic member, a heating coil surrounding said member and adapted to be switched into the circuit by the actuation of the machine key, an automatic switch member to interrupt the heating current and disconnect the motor after the bimetallic member has cooled down, and means in connection with the said automatic switch member, to prevent the cutting out of the motor as long as the machine key is depressed.

1,507,923. MOTOR-CONTROLLING MECHANISM. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed May 3, 1923. Serial No. 636,394. 19 Claims. (Cl. 74—39.)



1. Controlling mechanism for the spark and throttle of an engine, comprising telescoping supporting members; manipulating means connected to said members at one end; a gear casing near the other end of said members; a bracket at the other end of said members below the casing; controlling means for the spark and throttle carried by the members below the bracket; and interacting parts mounted upon the bracket and controlling means for holding the latter in adjusted position.

1,507,924. BEDPAN. ANNIE N. MABRY, New York, N. Y. Filed May 17, 1923. Serial No. 639,612. 4 Claims. (Cl. 4—112.)

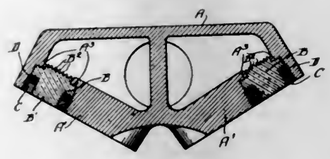


1. A flushable bed pan having a fluid reservoir provided with perforations facing the pan proper, means normally closing the perforations and operating means for releasing said closing means at will.

1,507,925. CIGARETTE. HENRY HALL MARSHALL, Jr., Garden City, N. Y. Filed Jan. 10, 1923. Serial No. 611,847. 2 Claims. (Cl. 131—52.)

1. The combination with a cigarette of customary manufacture, of a soluble coating for the tip thereof.

1,507,926. WATER-GAUGE GLASS. CLARENCE M. MENDENHALL, New Rochelle, N. Y. Filed Oct. 26, 1923. Serial No. 670,823. 3 Claims. (Cl. 73—54.)

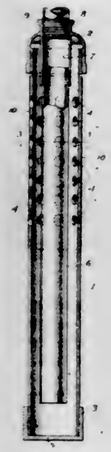


1. A water level gauge consisting of a chambered metallic casing formed with one or more windows each of which is circular in cross section except for shoulder portions of the casing at the inner side of each window and at opposite sides of the axis thereof, and a bull's-eye sight glass mounted in each window with the side portions of its inner face abutting against said shoulders and having the portion of its inner face between said shoulders formed with a series of vertical prisms extending from top to bottom of said face.

1,507,927. DEVICE FOR SCREENING WATER. GEORGE L. MILLER, Seattle, Wash., assignor of one-half to Ida S. Freeman, Portland, Oreg. Filed Dec. 14, 1921. Serial No. 522,427. 2 Claims. (Cl. 210—170.)

2. In a well water strainer, an outer casing having a closed lower end, the upper portion of said tube being provided with inlet openings spaced longitudinally and circumferentially of the tube and the lower portion

of the tube being unperforated and adapted to be embedded in the bottom of a well with the perforations terminating above the well bottom, screening means for said perforations, an inner tube in the outer tube terminating adjacent the closed lower end of the outer



tube, and a coupling having a cap portion engaging the upper end of the outer tube, a sleeve portion engaging the upper end of the inner tube, and a neck portion for engaging an outlet pipe whereby fluid in the outer tube may pass up through the inner tube and sleeve into the outlet pipe.

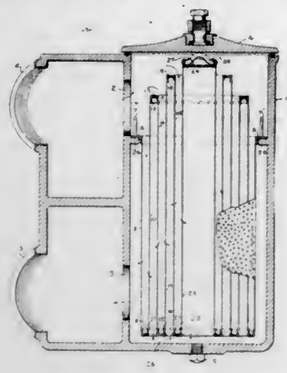
1,507,928. DEVICE FOR THE PREVENTION AND TREATMENT OF DEFORMED FEET. DUDLEY J. MORTON, Philadelphia, Pa. Original application filed Mar. 2, 1915, Serial No. 11,453. Divided and this application filed Apr. 5, 1920. Serial No. 371,531. 7 Claims. (Cl. 36—71.)



1. A device for correcting pronation of the foot, consisting of a flat plate formed to be positioned beneath the sole of the foot, having an integral upwardly directed extension arranged to bear against the inner side of the foot approximately opposite the astragalo-scaphoid joint, said device functioning to resist the inward movement of said joint during the period in which the heel is bearing weight.

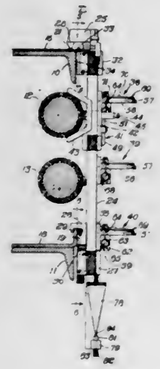
7. A cvice adapted to be inserted in the shoe for correcting pronation of the foot, comprising a flat portion formed to lie beneath the sole of the foot, and a portion extending upwardly from said flat portion in the region of the astragalo-scaphoid joint and adapted to contact with the inner side of the foot approximately opposite said joint to resist the initial movement thereof when the body weight is imposed upon the heel.

1,507,929. STRAINER. CHARLES D. MOSHER, New York, N. Y. Filed Nov. 22, 1920. Serial No. 425,856. 7 Claims. (Cl. 210—193.)



1. In a strainer of the class described, concentric strainer members forming chambers opened alternately entirely around the same at the tops and bottoms thereof, a chamber around said members having side inlet and outlet at the top and bottom respectively.

1,507,930. GAUGING DEVICE. JOHN MCDONOUGH, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1922. Serial No. 551,291. 6 Claims. (Cl. 33—182.)

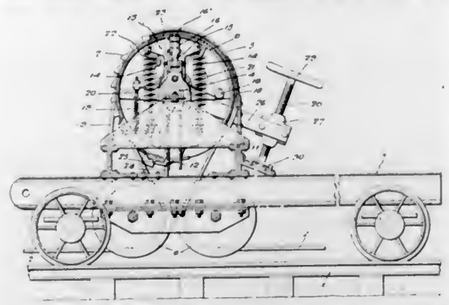


1. A device for checking the position of one member with relation to another member, comprising a supporting element adapted to be removably secured to one of the members, elements movably carried by said supporting element and adapted to engage the other member, and means actuated by the engagement of said movable elements with said member to be checked for indicating the position thereof with relation to the other member.

1,507,931. HOIST. WALTER PROCKTER, Huntington, W. Va. Filed Dec. 30, 1921. Serial No. 525,862. 4 Claims. (Cl. 187—13.)

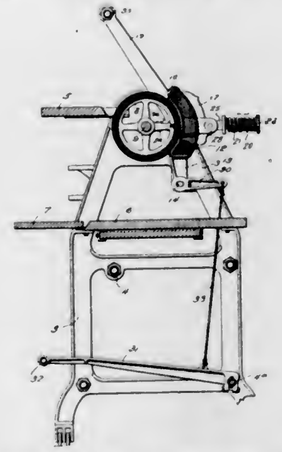
3. In combination with a car and its track, a safety cable placed along the track, a master sheave, a pair of sheaves placed close together adjacent the master sheave for holding the cable in a loop around the master sheave, a brake associated with the master sheave, spring means for holding the brake in applied position,

toggle links for holding the brake in inoperative position, a governor on the master sheave having a part arranged to engage a part on one of the links for moving the links when the speed of the master sheave exceeds a



certain point, a handle associated with the toggle links for braking them by hand and manually operated means for applying the brake independently of the governor and links.

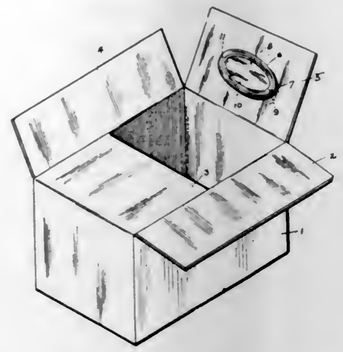
1,507,932. CLOTHES-IRONING MACHINE. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1920. Serial No. 420,471. 3 Claims. (Cl. 68—9.)



1. In an ironing machine, the combination of a frame, an ironing roll journalled therein, a shoe cooperating with said ironing roll, spring means for yieldingly holding said shoe in cooperative engagement with said roll, cam members secured to said frame and said shoe respectively and adapted when in one position to permit the shoe to be pressed against the roll and in other positions to move and hold the shoe away from the ironing roll at different and comparatively large distances to permit the ready insertion of pieces to be ironed, and auxiliary means acting directly upon said shoe for moving said shoe slight distances away from the roll against the tension of said spring means, said auxiliary means effecting a separation of said cam members.

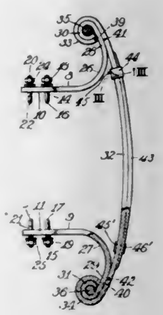
1,507,933. HUMIDIFIER. RICHARD O. ROBLIN, Rochester, N. Y., assignor to Roblin Demerath Co., Inc., a Corporation of New York. Filed Mar. 8, 1923. Serial No. 623,815. 2 Claims. (Cl. 131—30.)

1. A humidifier for a box comprising a metal frame, an absorbent cake cast in the frame to form an integral part thereof, prongs provided on said frame and forming an integral part thereof, said prongs being adapted to penetrate the wall of the box the portion of the prongs



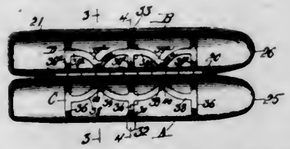
projecting through the outside of the box being adapted to be bent over to firmly clamp the absorbent cake and its frame within the inside of the box.

1,507,934. BUMPER FOR MOTOR VEHICLES. SAMUEL C. ROWLAND, Crawfordsville, Ind. Filed July 21, 1921. Serial No. 486,499. 4 Claims. (Cl. 293—55.)



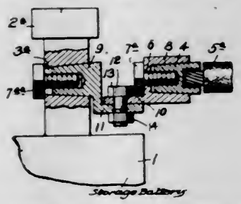
3. In a motor-vehicle bumper, the combination of a pair of arms comprising each a main portion and a laterally-curved forward portion and also a base portion, said portions being integrally connected together and the forward portion being slightly elastic laterally and having an ear formed integrally on the rear side thereof, each base portion having a plurality of apertures therein spaced apart, securing devices in said apertures respectively to rigidly secure the base portion in place, two pivot-bolts in said ears respectively in vertical arrangement and having each a head on its top supported upon the ear, washer-nuts on the lower ends of the pivot-bolts respectively and extending outward beyond the adjacent ears, a curved elastic main bar having two portions adjacent to its opposite ends arranged against the convex sides of the curved portions respectively of said arms, said main bar having two ears integral therewith and arranged on the rear side thereof that embrace the ears on said arms respectively and are bodily supported upon said washer-nuts respectively, a curved spring-plate arranged on the convex side of said main bar and extending to portions thereof opposite to the curved portions of said arms respectively, and two clamps arranged on said main bar and said spring-plate opposite to the curved portions of said arms respectively to be thrust to and resisted thereby.

1,507,935. CIGAR CASE. JOSEPH H. SANDERSON, Babylon, N. Y. Filed Mar. 28, 1922. Serial No. 547,367. 3 Claims. (Cl. 206—41.)



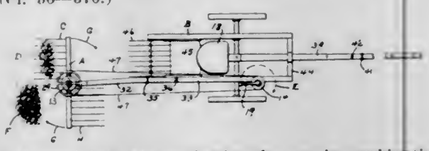
1. In a case the combination of a cup shaped bottom member, a cup shaped top member hinged to the bottom member, a flexible tray for each of the members, each tray comprising a plurality of semi-circular arms, braces connected to said arms and means to fasten the braces to their respective cup shaped members.

1,507,936. STORAGE-BATTERY TERMINAL. FRANCIS G. SCHMITT, Leetsdale, Pa. Filed Mar. 26, 1920. Serial No. 369,015. 3 Claims. (Cl. 173—259.)



3. The combination with a storage battery terminal and circuit wire, of a non-corrodible detachable member removably attached to the battery terminal, and having a flat tongue projecting therefrom, a non-corrodible detachable member removably attached to the terminal of the circuit wire and having a tongue projecting therefrom, and means for clamping the said tongues into intimate contact with each other.

1,507,937. RAKE ATTACHMENT FOR AGRICULTURAL IMPLEMENTS. JAMES WADDLE SCOTT, Falcon, Colo. Filed July 6, 1922. Serial No. 573,143. 3 Claims. (Cl. 56—370.)



2. A revolving rake mechanism for use in combination with a farm implement, flexible means for attaching said rake to said implement, actuating hand-power means for revolving said rake and ratchet means for holding said rake in operative position.

1,507,938. METHOD OF TREATING VEGETABLE IVORY. EDGAR SHANTZ, Rochester, N. Y. Filed Apr. 17, 1923. Serial No. 632,794. 6 Claims. (Cl. 79—1.)

3. The method of treating vegetable proteid or "ivory" which consists in soaking it in a mixture of water and glycerine, and then drying the surplus water from the material.

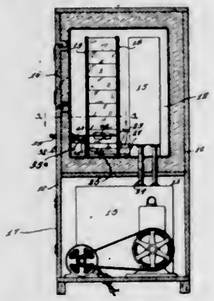
1,507,939. METAL-PUNCHING MACHINE. GEORGE P. THOMAS, Glenshaw, Pa. Filed Mar. 28, 1923. Serial No. 628,203. 8 Claims. (Cl. 164—117.)

1. In a machinery for punching an irregular line of holes in a metal blank, the combination of a punching machine equipped with a laterally-movable cooperating punch and die, a table extending from opposite sides of the punching machine for supporting a blank, means for moving the blank through the punching machine, a guide longitudinally movable by said blank-moving means in



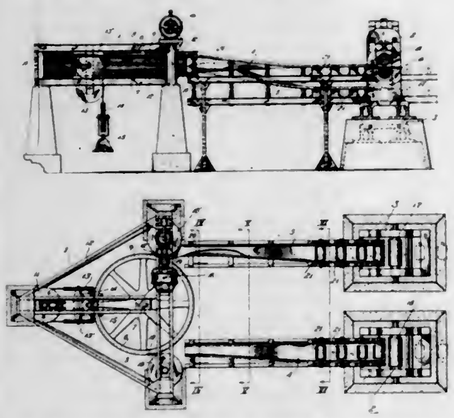
alignment with the advancing blank, and means for connecting said guide to said punch and die for moving them laterally as the punching operation proceeds.

1,507,940. REFRIGERATOR. THORWALD THORSON, Forest City, and EDWIN O. THORSON, Akron, Iowa. Substitute for application Serial No. 500,396, filed Sept. 13, 1921. This application filed Feb. 7, 1924. Serial No. 691,312. 6 Claims. (Cl. 211—8.)



1. A cooling chamber having an opening communicating with its interior, a door for said opening, a drawer slidably mounted in the bottom of said chamber adapted to be slid from a position within the chamber to a position outside of the chamber, a magazine in said chamber adapted to contain a vertical column of cartons in such a manner that the bottom carton of said column will rest in said drawer when it is in its inner limit of movement, means for gripping a portion of the cartons in said column and slightly elevating them and retaining them in the elevated position as the said drawer is moved to its outward limit of movement, and means outside of said chamber for operating the last said means.

1,507,941. ROLLING-MILL REPEATER. ARTHUR J. TOWNSEND, Canton, Ohio. Filed Jan. 14, 1921. Serial No. 437,312. 2 Claims. (Cl. 85—37.)



2. A rolling mill repeater including a drum rotatable on an axis at an angle to a horizontal plane, and an endless cable belt operating around one side of the drum, for carrying a strip or the like around the drum.

1,507,942. STABLE VACCINE. CARL TROESTER, Berlin-Lichterfelde, and HERMANN EMDE, Berlin-Lankwitz, Germany, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed May 1, 1923. Serial No. 635,975. 4 Claims. (Cl. 167—7.)

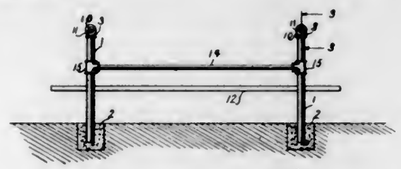
1. As new articles of manufacture vaccines, consisting of suspensions of bacteria containing a water soluble hexamethylene-tetramine preparation.

2. As new articles of manufacture vaccines, consisting of suspensions of bacteria containing hexamethylenetetramine.

1,507,943. FOAM COMPOSITION FOR EXTINGUISHING FIRES. LEWIS B. VAN LEUVEN and HARRY C. VAN LEUVEN, Woodbury, N. J., assignors to Vacuum Oil Company, New York, N. Y., a Corporation of New York. Filed Nov. 9, 1922. Serial No. 599,913. 2 Claims. (Cl. 3—5.)

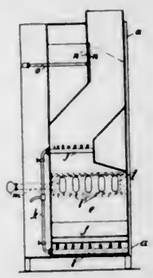
1. A composition for use in connection with a solution of a mildly acid character, for extinguishing fire, consisting of sodium bicarbonate, quebracho extract, quillaya bark extract, sufficient quantity of the ingredients being used to produce a foam and kept in complete solution in water by the admixture of not less than 0.15% of caustic alkali.

1,507,944. PLAYGROUND APPARATUS. WINFIELD WILLIAMS, San Jose, Calif., assignor to J. F. Patterson and Hortense Bean, a Copartnership, under the name of Patterson-Williams Mfg. Co., San Jose, Calif. Filed July 29, 1922. Serial No. 578,454. 3 Claims. (Cl. 155—61.)



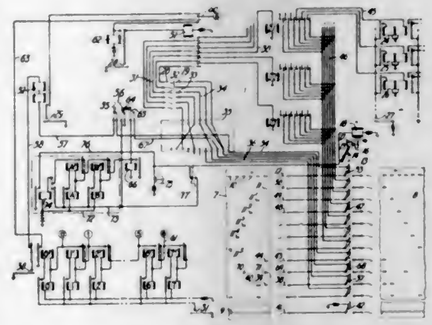
1. In playground apparatus, two pairs of spaced vertical bars defining the corners of an oblong rectangular figure, parallel hand bars connecting the pairs of vertical bars, a seat member arranged below the plane of said hand bars, and parallely arranged swinging means for supporting the ends thereof between said pairs of vertical bars.

1,507,945. DRYING APPARATUS. HARRY SIDNEY WOOD, London, England. Filed Jan. 27, 1923. Serial No. 615,230. 5 Claims. (Cl. 34—19.)



1. A drying apparatus comprising in combination, a drying chamber means for suspending clothes in said chamber, a duct for admitting air to said chamber, a second duct placed at the side of said drying chamber that is provided with a passage at the bottom thereof communicating with said second duct, heating means disposed in said first named duct for heating the air admitted to said drying chamber and a second heating means disposed in said second duct for drawing the heated air from said drying chamber into said second duct through the aforesaid communicating passage.

1,507,946. SWITCH-CONTROL CIRCUITS. JAMES J. WYNNE, Roselle Park, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,581. 9 Claims. (Cl. 179—27.)



1. In combination, a switch having a plurality of operative positions, means for locking said switch in at least one of said positions, an electromagnet for releasing said switch whereby it may be operated, a circuit for said electromagnet including a source of current and a normally open contact, a normally open starting circuit, and a set of counting relays for controlling said normally open contact, said counting relays being under the control of said starting circuit and operable to interpose a delay in the closure of said normally open contact following the closure of said starting circuit.

1,507,947. DENTAL CLASP. HUGO ADERER, East Orange, N. J. Filed Dec. 6, 1923. Serial No. 679,010. 7 Claims. (Cl. 32—12.)

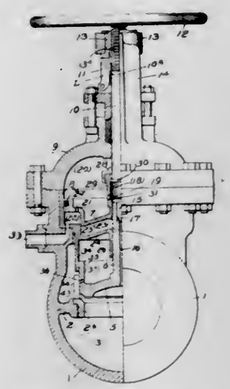


1. A dental clasp comprising a band and a tail-piece, said band having integral therewith tail-piece engaging means, said tail-piece having an end thereof at an angle to the plane of said tail-piece, said tail-piece having an opening therein through which said tail-piece engaging means is adapted to be inserted and means to prevent the separation of the tail-piece and the band.

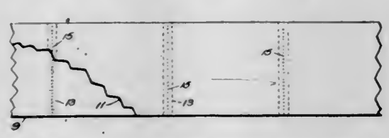
1,507,948. TRIPLE-CUSHIONED VALVE. EDWARD V. ANDERSON, Monessen, Pa., assignor of one-half to Charles E. Golden, Crafton, Pa. Original application filed July 6, 1917, Serial No. 179,009. Patent No. 1,370,260, dated Mar. 1, 1921. Divided and this application filed Apr. 12, 1920. Serial No. 373,145. 6 Claims. (Cl. 251—142.)

3. A valve mechanism comprising a casing having a fluid passage therethrough, a valve mounted to control said passage and adapted to seat by movement in a direction opposed to that of normal flow of fluid through the

passage, a partitioning member fixed in the valve casing and having a guide opening, the valve being mounted on a stem extending through said guide opening, a cylindrical skirt carried by said partitioning member, a peripheral integral flange extending from the rear side of the valve and slidably interfitting with the said skirt, whereby the rear of the valve is screened from pressure pulsations on the outlet side of the valve.

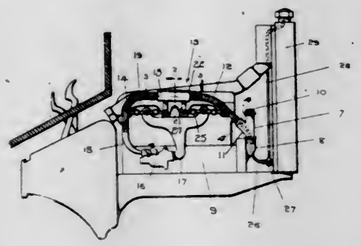


1,507,949. ELASTIC PAPER SHEATHING AND METHOD FOR PRODUCING THE SAME. EDWARD H. ANGIER, Framingham, Mass. Filed Feb. 24, 1922. Serial No. 538,921. 18 Claims. (Cl. 93—1.)



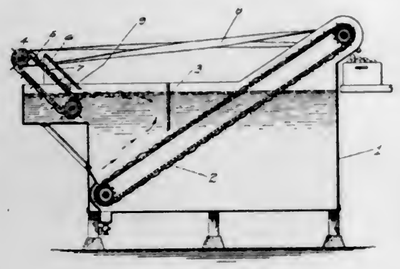
1. The method of making elastic bag-shaped articles, consisting in adhesively uniting two layers of paper on transverse lines at spaced intervals, craping the united layers and dividing the product at points intermediate the margins of the adhesively united areas.

1,507,950. AUXILIARY FUEL SUPPLIER. SAMUEL EARL BLIZZARD, Indianapolis, Ind. Filed Mar. 20, 1923. Serial No. 626,383. 4 Claims. (Cl. 123—25.)



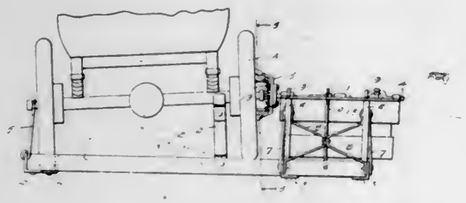
1. In a device of the character described, a conduit to communicate with an engine crank casing to receive vapors therefrom, a second conduit to communicate with the intake of the engine, and a mixer between and connecting said conduits and having an air inlet port and an aspirator nozzle communicating with the firstnamed conduit and extending across said port toward the second conduit.

1,507,951. DEVICE FOR REMOVING LEAVES FROM FRUIT-CLEANING LIQUID. JERRY BUCKLEY, Mills, Calif. Filed Feb. 13, 1924. Serial No. 692,498. 1 Claim. (Cl. 130—32.)



A means for separating foreign material from fruit including a liquid containing tank, a vertical partition wall extending part way into the tank, a conveyor extending to a point near the bottom of the tank and passing closely adjacent the lower edge of the partition wall and to a point outside the tank, a second conveyor extending into the liquid near the surface thereof and to a point outside the tank, the direction of movement of the latter conveyor being the reverse of that of the first named conveyor so that the current of the liquid set up by the movement of the first conveyor will strike the partition wall and be deflected toward the second conveyor whereby when the fruit is emptied into the tank between the second conveyor and the partition wall such current will carry the floatable material associated with the fruit toward the second conveyor by which it will be carried out of the tank, while the clean fruit will fall upon the first conveyor and be carried from the tank thereby.

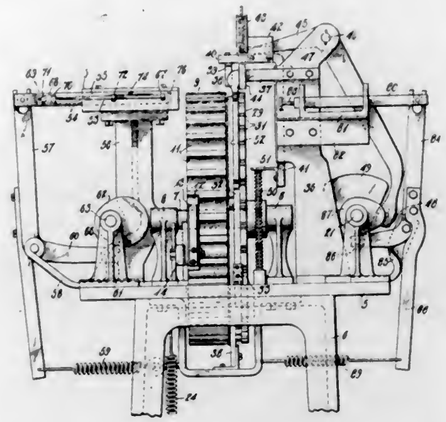
1,507,952. ENGINE JACK FOR BURNING IN BEARINGS. CHARLES P. CHRISTENSEN, Blair, Nebr. Filed Feb. 23, 1923. Serial No. 620,683. 6 Claims. (Cl. 29—89.5.)



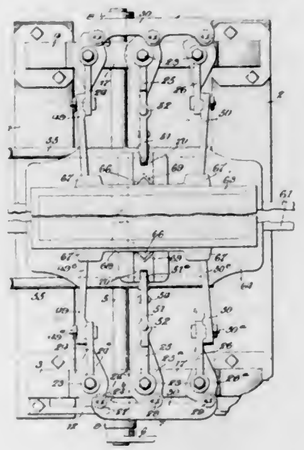
1. An engine jack of the character specified comprising a base having a pan at one end and an engine support at the opposite end, a pivoted axle support adjacent the engine support, means for clamping the engine to the support, and means for coupling the crank shaft of the engine to the drive wheel of the motor vehicle.

1,507,953. SWAB-ASSEMBLING MACHINE. PETER CODINA, Jersey City, N. J., assignor to The Dauber-Swab Co., Inc., Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 31, 1923. Serial No. 616,132. 10 Claims. (Cl. 29—84.)

1. A swab assembling machine, comprising an intermittently rotated carrier for one of the swab elements, and a carrier for the other element arranged concentrically with the first named carrier and rotating synchronously therewith, means to position the elements on their respective carriers in substantial alinement one with the other, and means to fixedly connect these elements while in the carriers.



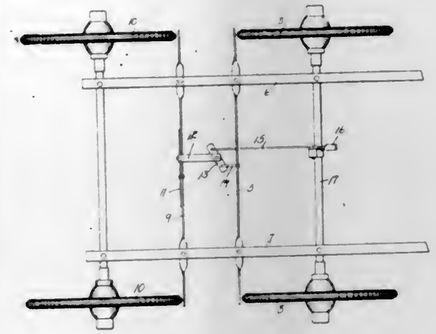
1,507,954. LIFTING MECHANISM FOR MOLDING APPARATUS. EUGENE MACON COLE, Charlotte, N. C. Filed May 12, 1922. Serial No. 560,464. 24 Claims. (Cl. 22—48.)



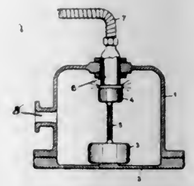
1. The combination with a flask comprising the usual drag and cope, of a pair of pivoted arms mounted adjacent thereto, and means for first swinging said arms horizontally into position to engage the cope and and then elevating said arms so as to cause them to engage and lift the cope.

1,507,955. BABY CARRIAGE. GEORGE E. DANN and GEORGE S. GREENE, New Haven, Conn., assignors to The Rattan Mfg. Co., New Haven, Conn., a Corporation. Filed Feb. 1, 1924. Serial No. 689,860. 2 Claims. (Cl. 188—20.)

1. In a baby carriage, the combination with the running-gear thereof, of two flexible brake-bars having their ends adapted to be engaged with the tires of the front and rear wheels, the forward brake-bar being provided with a reinforcing leaf, and means for simultaneously flexing the brake-bars, whereby their ends are moved into engagement with the rims of the wheels.



1,507,956. SOUND PRODUCER. ALARD DU BOIS-REYMOND, deceased, late of Plon, near Kiel, Germany, by Eleonore du Bois-Reymond, administratrix, Hamburg, Germany, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Original application filed Apr. 6, 1923, Serial No. 630,421. Divided and this application filed Apr. 15, 1924. Serial No. 706,792. 5 Claims. (Cl. 116—27.)



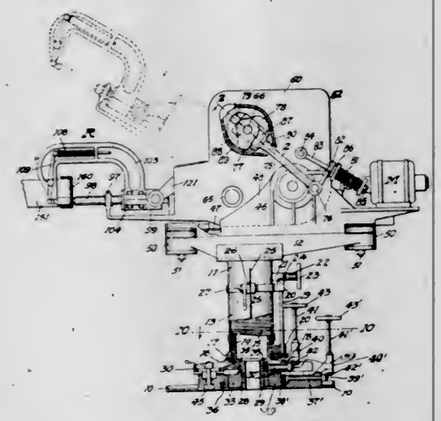
1. In a sound transmitter, a vibratory structure of definite natural frequency, a sound radiator directly attached to said structure, and means for causing a unidirectional stream of fluid to impinge on said vibratory structure to set it in vibration and thus actuate said radiator.

1,507,957. COMPOSITION WALL FOR CASKETS. ARTHUR W. EDWARDS, Sacramento, Calif. Filed Sept. 29, 1920. Serial No. 413,614. 1 Claim. (Cl. 27—3.)



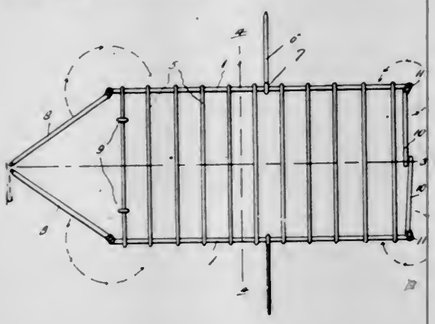
A burial casket moulded and compressed to shape of fibrous plastic substance consisting of rice straw, paper and wood pulp, the walls and bottom of said casket having connected sheets of reticulated reinforcing material embedded therein.

1,507,958. RIVET-HEADING MACHINE. THORVALD HANSEN and REIMAR C. F. KURTZE, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Oct. 14, 1921. Serial No. 507,737. 28 Claims. (Cl. 78—48.)



1. In a riveting press, a movable riveting head provided with a set of riveting dies, in combination with automatically operating means for moving the head to position the dies in operative relation to the work, and means for actuating the dies when so positioned to perform a riveting operation upon the work.

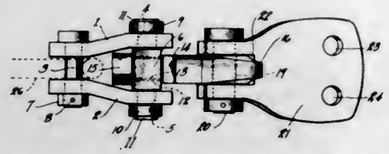
1,507,959. CAMP STOVE. VIRGIL H. HAYWORTH, Santa Fe, N. Mex. Filed Dec. 3, 1923. Serial No. 678,240. 3 Claims. (Cl. 126—29.)



1. A camp stove including a pair of side plates, a plurality of grate bars pivotally secured to said side plates and holding them in spaced relation, said side plates and grate bars forming a chamber, a pair of end plates hinged to one end of the side plates and adapted for association to form draft regulating means at one end of the side plates and the chamber formed thereby, and a pair of doors hingedly connected to the other ends of said side plates adapted for positioning relative to each other to assist in controlling the draft passing through said chamber.

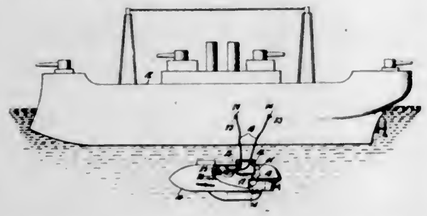
1,507,960. LOGGING EQUIPMENT. PETER S. HEINZINGER, Monroe, Wash. Filed Oct. 23, 1922. Serial No. 596,377. 3 Claims. (Cl. 294—82.)

1. A device of the class described, comprising a swivel block, a pair of links having ends pivotally connected with the opposite sides of the block and means for connecting their other ends with a main line cable, a plate having a shank swivelly fixed in the block and having an opening in its upper portion providing connection for a



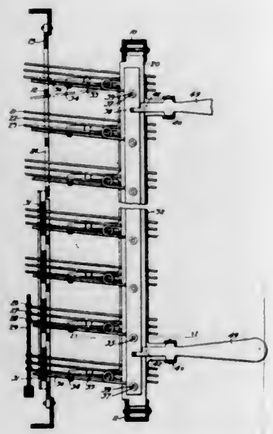
haul back cable, a second plate pivotally fixed to the lower portion of the first plate and having openings therein for receiving butt line connecting devices.

1,507,961. WARCRAFT. JOHN HERON, New York, N. Y. Filed July 19, 1922. Serial No. 576,013. 1 Claim. (Cl. 114—16.)



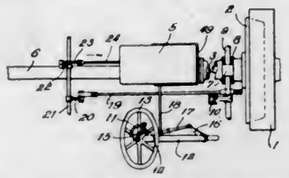
A war-craft including a submarine having attaching cables provided with magnets for attachment to the side of an enemy vessel, said cable providing suction pipes whereby the cables may be attached by suction in the event of failure of the magnet.

1,507,962. JIG FOR ASSEMBLING COORDINATE SWITCHES. FRANK H. HIBBARD, Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1923. Serial No. 652,750. 6 Claims. (Cl. 29—84.)



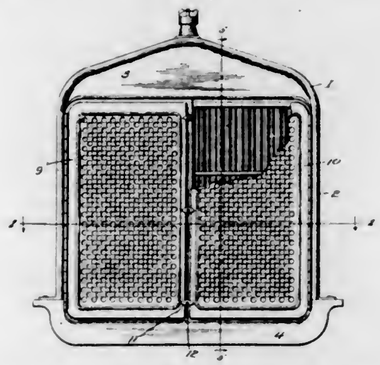
1. A jig for assembling a switching device, said jig comprising a bar, a plurality of laterally extending arms thereon, and means on each of said arms for retaining springs in tensioned position during the assembly of the switch.

1,507,963. MECHANICAL SHIFTING MEANS FOR SPEED-TRANSMISSION MECHANISMS. LOUIS C. HUCK, Chicago, Ill. Filed Jan. 14, 1921. Serial No. 437,167. 18 Claims. (Cl. 74—58.)



1. A device of the character described comprising front and rear shifting members for effecting gear shifts in an associated variable speed transmission mechanism from neutral position to the meshing connections, front and rear neutralizing members severally associated with said front and rear shifting members and serving to effect gear shifts from meshing connections to neutral position, means for varying, at will, the transverse positions relative to said speed transmission mechanism of said front and rear members whereby preselection in gear shifts may be effected, and means for moving said front and rear members relatively to, and longitudinally of, one another whereby the preselected gear shift in said associated speed transmission mechanism may be made subsequent to restoring any interfering gear shifts to neutral position.

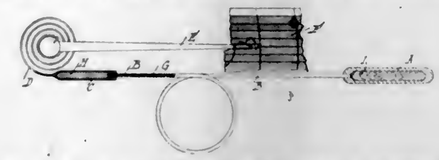
1,507,964. AUTOMOBILE RADIATOR. THOMAS G. HUDSON, Marion, Ind. Filed July 26, 1921. Serial No. 487,011. 3 Claims. (Cl. 257—125.)



1. In an automobile radiator, vertically opposed substantially channel-shaped members, a water tank at the upper and lower ends of said members, circulating tubes between said tanks, hinge knuckles integral with the front side of each of said members, a pair of vertically positioned perforated cover plates having hinged knuckles formed in their outer side edges and aligning with the knuckles of said members, means in connection with said knuckles for hinging said plates to said members, means for securing said plates in closed position, and a perforated cover plate at the rear of said members.

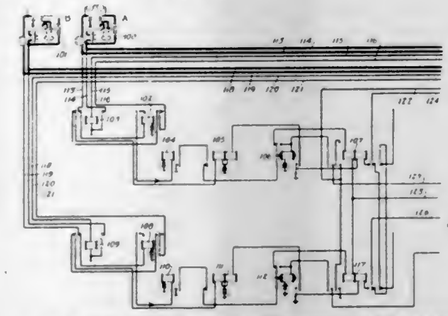
1,507,965. TUBE OR CONDUIT FOR THE TRANSMISSION OF MOVEMENT BY MEANS OF LIQUIDS. HAROLD WILLIAM IBBOTT, London, England, assignor to Negretti and Zambra, London, England. Filed Oct. 20, 1920. Serial No. 418,321. 1 Claim. (Cl. 13—52.)

The combination of a thermometer bulb, a tube extending therefrom, a core located within the tube and formed of a material having a smaller coefficient of expansion than has the material of which the tube is formed, a cylinder in communication with the end of the tube remote from the bulb, a block located within the cylinder and formed of a material having a smaller coefficient of expansion than has the material of which the cylinder



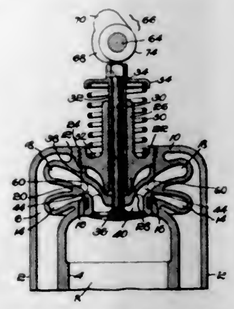
is formed, a liquid filling the bulb and the interstices between the tube and the core and between the block and the cylinder and means for registering the movements of the liquid in the cylinder.

1,507,966. TELEPHONE SYSTEM. FRANK S. IRVINE, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 11, 1920. Serial No. 409,694. 11 Claims. (Cl. 179—18.)



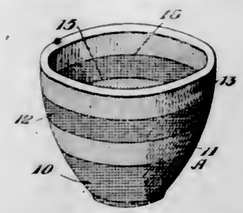
1. In a telephone system, subscribers' lines arranged in a plurality of groups, a plurality of groups of automatic switches, each group of switches arranged to normally serve a different one of said groups of lines, a register, and means responsive to the initiation of a call in any of said groups of lines when all the switches of all of said groups of switches are busy for operating said register.

1,507,967. INTERNAL-COMBUSTION ENGINE. OSCAR C. JANSSEN, St. Louis, Mo. Filed June 28, 1917, Serial No. 177,463. Renewed Feb. 7, 1924. 11 Claims. (Cl. 123—79.)



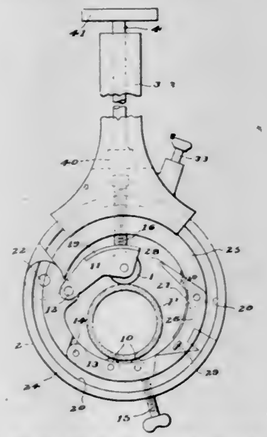
11. In an internal combustion engine, a cylinder, a two diameter valve bore in the head, inlet and exhaust ports in said bore, a two diameter slide valve with an offset closure for the exhaust port, a puppet valve seated thereon, inlet and exhaust chambers having ports leading into the slide valve and communicating therethrough with the cylinder.

1,507,968. MEASURING BOWL. RICHARD R. JOHNSON, Great Falls, Mont. Filed Mar. 31, 1922. Serial No. 548,519. 7 Claims. (Cl. 73—166.)



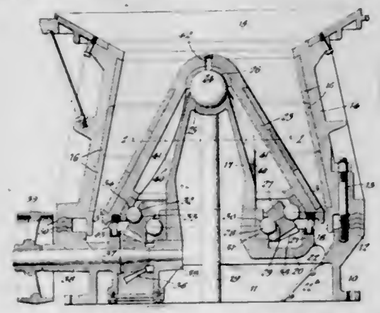
1. A measuring bowl including a series of superposed rings of contrasting colors joined together to form the bowl, the joined edges of said contrastingly colored rings forming a series of graduations within the bowl.

1,507,969. RATCHET PIPE CUTTER. DAVID KILGOUR, Jr., Seattle, Wash. Filed Aug. 17, 1923. Serial No. 657,911. 4 Claims. (Cl. 81—192.)



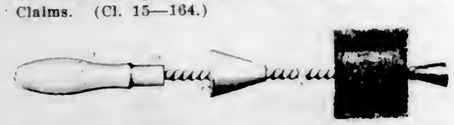
2. A pipe cutter including a ring rotatable about its center, said ring being formed of two hingedly connected segments, and a latch pivoted upon one segment and engaging the other segment to secure their free ends together, and movable toward the center of the ring to release.

1,507,970. ORE CRUSHER. ARTHUR A. LAZIER, Buffalo, N. Y. Filed Jan. 24, 1923. Serial No. 614,676. 8 Claims. (Cl. 83—10.)



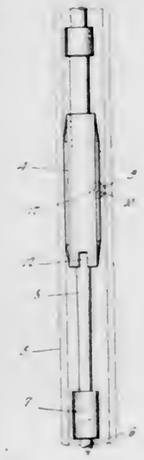
1. In a crushing machine, the combination of a shell, a supporting post extending into said shell, an oscillatory crushing member suspended from said post, means for oscillating said member, and means for holding the latter against rotation relative to said post.

1,507,971. BOTTLE WASHER. LEWIS LOMP, Baltimore, Md. Filed Aug. 20, 1923. Serial No. 658,385. 2 Claims. (Cl. 15—164.)



1. The bottle washer which includes a screw, a brush on the screw, a handle journalled on the screw and held against longitudinal movement relative to the screw, a nut meshing with the screw and movable along said screw to rotate the screw and brush, and a frusto-conical member of relatively soft and elastic material having an axial passage through which said screw extends, said nut being imbedded within said conical member and secured against rotation relative to the latter, substantially as described, for the purpose specified.

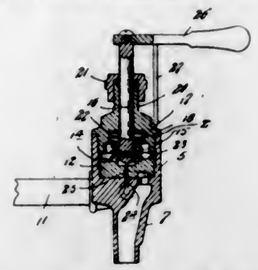
1,507,972. PUMP ATTACHMENT. LEONARD LOOP, Tulsa, Okla. Filed Dec. 31, 1923. Serial No. 683,706. 3 Claims. (Cl. 166—1.)



1. In a device of the character described, well tubing, a sucker rod including a tapered section adapted to move within the tubing, a body portion mounted on the tapered section and having a lateral opening, a roller supported by the body portion and having a peripheral groove engaging the tapered section, and said tapered section adapted to move the roller to set up a binding action between the well tubing and tapered section and restrict movement of the sucker rod.

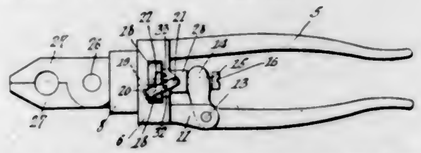
1,507,973. WATER FAUCET. GEORGE A. MOHN, Pottstown, Pa. Filed Feb. 17, 1923. Serial No. 619,575. 1 Claim. (Cl. 251—88.)

A faucet comprising a casing having spaced inlet nozzles and an outlet nozzle positioned midway between the inlet nozzles, said casing having a valve chamber and being provided with a duct which communicates with one of the inlet nozzles and having an end portion disposed vertically and centrally in the valve chamber, a valve member located in the valve chamber and adapted to turn therein and move longitudinally thereof, said valve being provided with a centrally located duct which permanently registers with the duct located in the bottom wall of the valve chamber, the valve casing being provided with openings which register with the inlet and outlet nozzles and the valve chamber, a hood for the casing, a valve stem passing through the hood and loosely connected with the valve member and having its axis aligned with the openings in the valve member, a spring interposed between the hood and the valve member and being under tension with a tendency to normally hold the valve member toward the bottom of the valve chamber, the valve member being provided at its lower portion with an arcuate channel adapted to be moved to



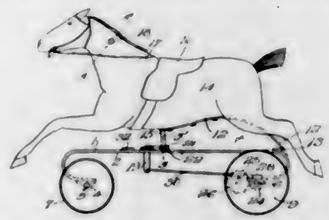
a position out of register with both of the inlet openings in the bottom of the valve chamber and being of such length that it may be simultaneously brought to register with the outlet nozzle of the valve chamber and either of the openings in the bottom wall of the valve chamber which communicate with the respective inlet nozzles.

1,507,974. RATCHET PLIERS. CHARLES E. NORTHUP, Philmont, N. Y. Filed Dec. 10, 1923. Serial No. 679,689. 5 Claims. (Cl. 294—36.)



1. In a tool, a pair of handle sections, a head formed on one end of one handle section, a housing rotatably mounted within the head, a pair of jaws, means extending through the housing for supporting the jaws, one of said handle sections having pivotal connection with the head, means for supporting the last mentioned handle section and jaw supporting means, whereby movement of the handle will cause the jaws to move through the housing, and means in the housing cooperating with the jaws for moving the jaws with respect to each other.

1,507,975. CHILD'S VEHICLE. JOHN ROBIE PARKER, Winnipeg, Manitoba, Canada. Filed Feb. 16, 1923. Serial No. 619,406. 6 Claims. (Cl. 208—42.)



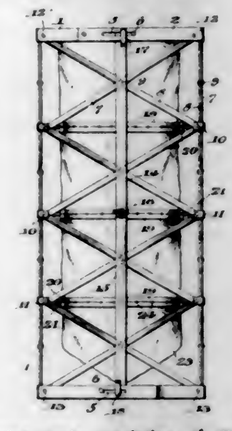
1. The combination with a wheeled frame, said frame presenting a foot rest, of an operator's seat carried by the frame and adjoining the foot rest, said seat being mounted to permit an up and down movement thereof in the direction of a wholly vertical arc, a clutchless wheel driving mechanism carried by the frame and an operating connection between the seat and the wheel driving mechanism whereby the vertical movement of the seat is utilized to actuate the wheel driving mechanism.

1,507,976. PADDING FOR USE IN PRESSING OPERATIONS AND THE LIKE. JOHN ROSS, Richmond Hill, N. Y. Filed July 12, 1921. Serial No. 484,253. 2 Claims. (Cl. 68—9.)



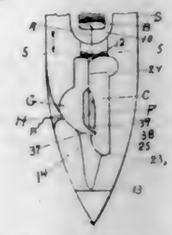
2. A padding for use in pressing operations and the like comprising a layer of unwoven yielding nonmetallic wadding provided with perforations for the passage of steam, a layer of open-work textile fabric arranged at each side of said layer of wadding, and rows of stitching for holding said layers in assembled relation.

1,507,977. SHIPPING CRATE. GEORGE W. SCHAEFER, Los Angeles, Calif. Filed Oct. 25, 1921. Serial No. 510,198. 6 Claims. (Cl. 220—6.)



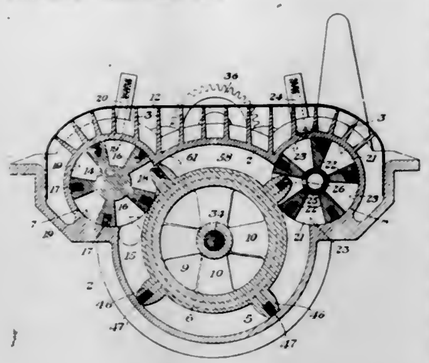
1. A shipping crate consisting of upper and lower adjustable frames, a plurality of pivotally connected pairs of slats forming the sides thereof, a plurality of longitudinal strips extending lengthwise of the crate and secured at either end to the end frames of the crate to hold the crate in its extended position, and a bag suspended within the crate.

1,507,978. SHUTTLE. ISAAC SNOW, Lawrence, Mass. Filed Apr. 14, 1922. Serial No. 552,685. 6 Claims. (Cl. 139—223.)



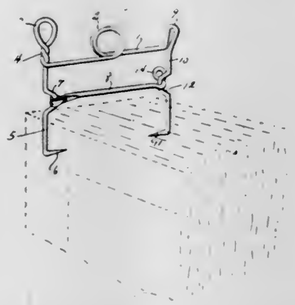
6. The combination in a shuttle having an eye, a bobbin chamber and a threading chamber in continuation thereof which connects with the eye; of a guide plate so fixed to the side of the threading chamber opposite the eye as to extend slopingly down into the threading chamber, and a hook guide in extension thereof; with a nose block on the side of the threading chamber next the guide eye which has a nose extending forward of the guide eye thence down and back towards and over the guide plate and having at the back a stop hook and a vertical thread pin.

1,507,979. ROTARY ENGINE. WERNER I. STAAF, Pittsburgh, Pa. Filed Jan. 26, 1922. Serial No. 531,843. 7 Claims. (Cl. 123—13.)



1. In a rotary internal combustion engine, a casing having an inlet and exhaust, a rotor constituting both the driving element and the gas compressing element, a rotary valvular abutment cooperating with said rotor at one side thereof, a second rotary valvular abutment cooperating with said rotor, means for positively rotating said abutments, and means within one of said abutments cooperating with said intake and serving as a compressed gas receiving chamber, substantially as described.

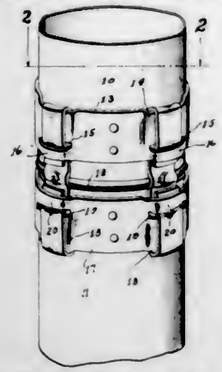
1,507,980. BOOK HANGER. HENRY J. VETTER, New York, N. Y. Filed Dec. 11, 1922. Serial No. 606,081. 1 Claim. (Cl. 45—58.)



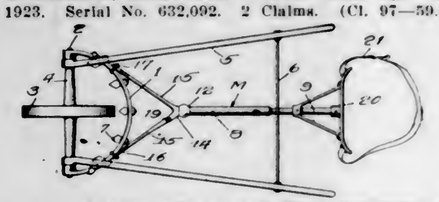
A hanger for books comprising a body member provided with two relatively movable bars, said bars being provided with inwardly directed and opposed penetrating members, a holding bar carried by one of the first named bars and provided with a hook member engageable with the second of the first named bars for holding the first named bars against separating movement, an eye member carried by one end portion of the body member to provide a supporting means, the opposite end portion of the body member being provided with an outstanding arm.

1,507,981. WELL-CASING COUPLING. HENRY B. WINTERS and JOHN E. MCCORMICK, Elkhart, Kans.; said Winters assignor to said McCormick. Filed Dec. 17, 1920. Serial No. 431,400. 1 Claim. (Cl. 285—161.)

The combination with casing sections telescopically connected, one of said sections having an annular shoulder abutting against the adjacent edge of the other of said sections; of collars secured on the sections at the adjacent ends thereof, radial stirrups integral with said collars extending between the edges thereof, keepers on the stirrups formed on a longer radius than the stirrups, and coupling straps passing under the stirrups and having their free end portions bent back over the remote edges of the stirrups and engaged through the keepers.

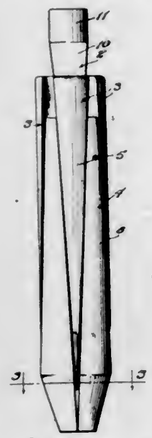


1,507,982. AGRICULTURAL IMPLEMENT. CHARLES E. ANDERSON, Devils Lake, N. Dak. Filed Apr. 14, 1923. Serial No. 632,092. 2 Claims. (Cl. 97—59.)



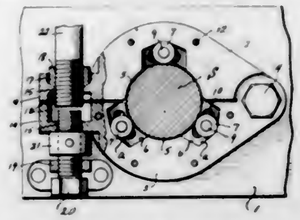
1. In combination with an agricultural implement of the walking type, a push element associated therewith comprising an elongated member, a body engaging yoke carried by the outer end of the member, a head, an articulated connection between the head and the elongated member, diverging arms carried by the head, one of said arms having swinging movement relative to the other, and means associated with the outer end portions of each of the arms for connecting the same to the implement.

1,507,983. EXPANSIBLE PLUG FOR OIL WELLS. HARRY M. ANDERSON, San Antonio, Tex. Filed Apr. 18, 1923. Serial No. 632,911. 2 Claims. (Cl. 166—13.)



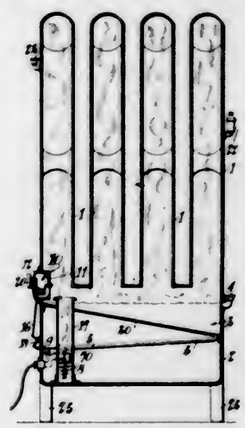
2. An expansible well plug comprising an assemblage of mating elements of substantially rectangular and triangular cross sections respectively having their outer faces rounded transversely whereby the assemblage is substantially of cylindrical form, the inner faces of the rectangular sectioned elements being located in planes inclining downwardly toward the axis of the assemblage whereby to provide a downwardly tapered bore of polygonal cross section, and an expanding mandrel fitting in the bore.

1,507,984. LOCKING DEVICE. LOUIS A. BORNE, Milwaukee, Wis. Filed Sept. 10, 1923. Serial No. 661,979. 4 Claims. (Cl. 188—80.)



1. In combination with a shaft, members extending across opposite sides of the shaft, means for supporting said members for relative swinging movement one toward the other, means for moving said members one toward the other, and wedging means carried by the members for coaction with the shaft upon movement of the members one toward the other.

1,507,985. PORTABLE SELF-HEATING RADIATOR. FRED C. BROWN, Seattle, Wash. Filed Oct. 20, 1922. Serial No. 595,877. 5 Claims. (Cl. 237—7.)



3. A portable heater of the character described, comprising a radiator body which includes a plurality of hollow uprights and a water receiving chamber below the said uprights with which the open bottoms of the hollow uprights communicate, the water chamber having a bottom that inclines downwardly from one end of the radiator to the other end thereof, the radiator having a water inlet, a vaporizing tube located beneath the high end of the water chamber bottom and projected upwardly through the said high end of the bottom to discharge the vapor above the water level of the radiator, a heat generator located within the vaporizing tube, a spray pipe that projects into the radiator and into the vaporizing tube, a nozzle on said tube for discharging onto the heat generator, a connection between the low end of the water chamber and the spray pipe, a valve in such connection, means for energizing the heat generator, the said means including a cutout, and a lever device mounted upon the radiator and connected with said valve and with said cutout and adapted for simultaneously cutting out the heat generator and the spray pipe under one adjustment and restoring the said spray pipe and the heat generator to their operative condition under another adjustment.

1,507,986. ROTARY WELL-DRILLING MACHINE. WALKER TULLY CAVENDER, Sabinal, Tex. Filed Dec. 21, 1921. Serial No. 523,955. 2 Claims. (Cl. 255—28.)



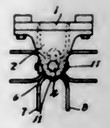
1. In a device of the class described, a tubular drill stem; a carrier wherein the stem is rotatable; a drill carried by the drill stem; a coupling; and a water conduit rotatable in the coupling and located in the stem, the conduit being connected to the drill independently of the stem, whereby when the stem breaks, the conduit will cease to rotate in the coupling, thereby notifying an operator of the breaking of the stem.

1,507,987. PROCESS OF PREPARING OXY COMPOUNDS OF TANTALUM. HUGH SPENCER COOPER, Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc., a Corporation of New York. Filed June 8, 1922. Serial No. 566,858. 12 Claims. (Cl. 23—13.)

1. Process of preparing oxy-compounds of tantalum from material containing tantalum and iron, which comprises forming a mixture of the chlorids of tantalum and iron, and then hydrolyzing the tantalum chlorid while inhibitating hydrolysis of the iron chlorid.

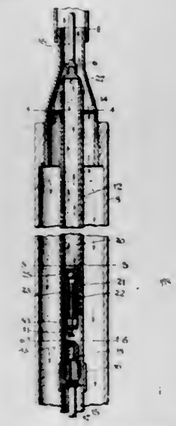
4. Process of preparing a mixture of tantalum and iron chlorids which comprises treating a material containing tantalum and iron with chlorin at a temperature above 450°. C.

1,507,988. PULVERIZER. DMYTRO CYGANCZUK, Winnipeg, Manitoba, Canada. Filed Oct. 13, 1920. Serial No. 416,712. 6 Claims. (Cl. 92—215.)



1. A pulverizer in the form of a roller and comprising end axles and a plurality of similar toothed lengthwise extending sections, the sections being substantially U-shaped in cross section and grouped around the axles and fastened together by bolts.

1,507,989. SAND PUMP. HERBERT H. DEFENBAUGH, Copan, Okla. Filed Apr. 13, 1923. Serial No. 631,896. 2 Claims. (Cl. 103—179.)



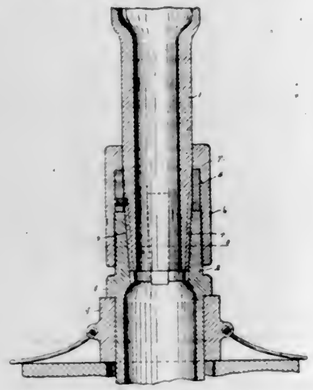
1. A pumping apparatus for wells comprising a sand receiver, a working barrel arranged in the sand receiver, a plunger of tubular formation having a working fit in the barrel and provided at its lower end with a valve, the upper portion of said plunger being provided with lateral discharge openings, the plunger being provided above said discharge openings with a rounded head by means of which the settling sand is directed into the receiver, the upper end of the working barrel being beveled to scrape the plunger free of sand as the plunger enters the working barrel and to direct the sand into the sand receiver and a standing valve arranged in the lower portion of said working barrel.

1,507,990. SCREW DRIVER. DONALD C. DONALDSON, Lovell, Wyo. Filed June 14, 1923. Serial No. 645,382. 1 Claim. (Cl. 145—61.)



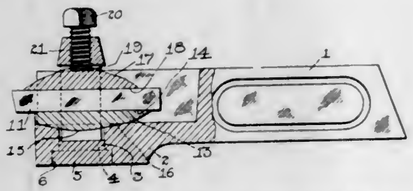
In a screw driver, a flexible armor tube, a flexible drive shaft extending through the tube, a sleeve upon one end of the tube, a handle fixed to the shaft at said end of the tube, a cap upon the handle, a thimble swiveled within said cap rotatably fitting in said sleeve forming a connection between the handle and sleeve and receiving the drive shaft therethrough, and a bit connected with the shaft at the opposite end of the tube.

1,507,991. TOOL JOINT. CHARLES R. EDWARDS, Houston, Tex. Filed Oct. 14, 1919. Serial No. 330,555. 1 Claim. (Cl. 285—122.)



A tool joint, including two pipe sections whose ends abut, one of said abutting ends being reduced and thickened and the other abutting end being upset and formed with thickened walls which are externally threaded, interlocking shoulders carried by said abutting ends, said shoulders being spaced apart and arranged in staggered relation, the shoulders of one end fitting between the shoulders of the other end, a ring-like nut threaded onto said reduced end, a coupling fitted around said reduced end, said coupling being sleeve-like in form and having one end formed into an inwardly extending annular flange which engages against said nut and having its other end internally threaded and thus adapted to be screwed onto the outwardly threaded upset end of the other section and a set screw by means of which said ring-like nut is locked against unscrewing.

1,507,992. TOOL HOLDER. EMORY E. ELLIS, Orange, Mass. Filed Dec. 21, 1921. Serial No. 523,952. 8 Claims. (Cl. 29—98.)

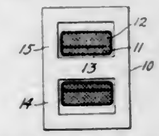


1. A tool holder comprising a head provided with a pair of alined curved seats, a member turnable in said head and provided with a tool receiving opening adapted to register with said seats, members for clamping a tool in said opening at different angles with respect to said seats, and means for applying pressure to said members between said seats.

1,507,993. PROCESS FOR THE PRODUCTION OF ALUMINA AND NITRATES. HANS JOACHIM FALCK, Notodden, and THOR MEJDELL, Skoien, near Christiania, Norway, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Filed Feb. 27, 1922. Serial No. 539,761. 2 Claims. (Cl. 23—13.)

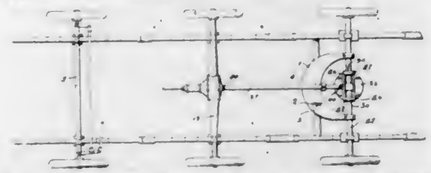
1. Process for the production of alumina and nitrates which consists in forming a mixture of nitrates containing aluminum nitrate, mixing such mixture of nitrates with an alumina-containing material in such a quantity that the resulting mixture will not melt during the subsequent heating, heating said resulting mixture in the presence of a basic substance and working the product of the heating operation for the recovery of alumina and nitrates.

1,507,994. ELECTRIC CIRCUITS. FRANK EDWIN FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1921. Serial No. 512,147. 8 Claims. (Cl. 178—44.)



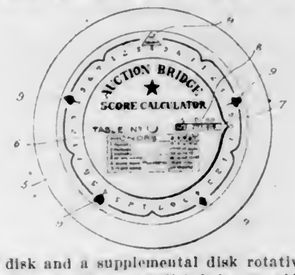
5. In combination, a line, an amplifying device, and means for giving said device an approximately flat gain characteristic over a wide range of frequencies present in said line, said means comprising a transformer associated with said device and having a core of such a reduced cross section at one portion thereof as to cause an appreciable leakage flux.

1,507,995. VEHICLE. MARTIN J. FURLONG, Houston, Tex. Filed July 3, 1923. Serial No. 649,303. 4 Claims. (Cl. 180—22.)



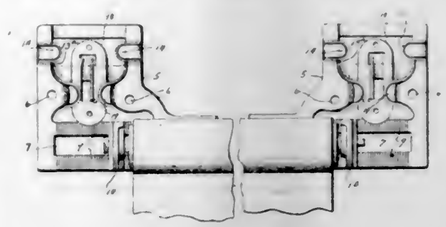
1. A vehicle comprising a frame, an axle operatively supported by the frame for bodily swinging movement about a vertical axis, said frame having relative lateral movement with respect to the axle, a forwardly directed plate carried by the axle and provided with a slot, and a member fixed with respect to the frame and disposed through the slot, whereby relative lateral movement between the frame and axle will impart swinging movement to the axle.

1,507,996. AUCTION-BRIDGE SCORE CALCULATOR. CLYDE H. GOUDELOCK, Charlotte, N. C. Filed Jan. 25, 1924. Serial No. 688,514. 1 Claim. (Cl. 235—85.)



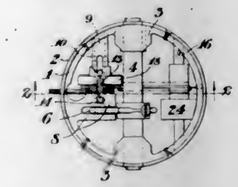
A base disk and a supplemental disk rotatively mounted thereon, the supplemental disk being provided with an edge pointer and with a radial slot adjacent thereto and the main disk being provided with a series of five groups of bid figures around the margin of the supplemental disk, each of these groups being designated by a trump symbol, said main disk being also provided underneath the supplemental disk with five groups of radially-arranged figures indicating the value of the tricks in the various trump suits.

1,507,997. CURTAIN-POLE AND SHADE BRACKET. WILLIAM HARTLEY, Elwood, Ind. Filed Feb. 14, 1923. Serial No. 619,022. 3 Claims. (Cl. 156—24.)



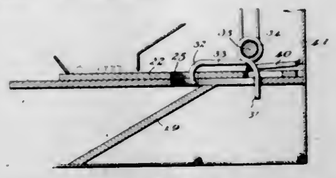
3. In combination with a base plate carrying a shade roller supporting member and adapted for attachment to a window frame, said base plate having a recess in its outer face opening from the top of the base plate and adapted for snug reception of the base plate portion of a conventional curtain pole supporting bracket, and lugs at opposite sides of said recess projecting toward each other and overhanging the bottom of the recess to retain the curtain pole supporting bracket in said recess except upon upward displacement of said curtain pole supporting bracket, said recess being of a width to accommodate the relatively large base plate of a double curtain pole supporting bracket, and a second recess in the outer face of the base plate of the shade roller supporting bracket at the lower end of the first named recess, and lugs at opposite sides of the second recess projecting toward each other, and overhanging the bottom of said second recess to retain the base plate of a curtain pole supporting bracket in said recess except upon upward displacement of said curtain pole supporting bracket, the last named recess being of a relatively narrow width for snug reception of the base plate of a conventional form of single curtain pole supporting bracket.

1,507,998. JOINT FOR ELBOWS AND KNEES OF ARTIFICIAL LIMBS. CYRIL GEORGE HOARE, Clapham, London, and THOMAS CHARLES WATERS, Crofton Park, England. Filed Feb. 27, 1924. Serial No. 695,552. 5 Claims. (Cl. 3—12.)



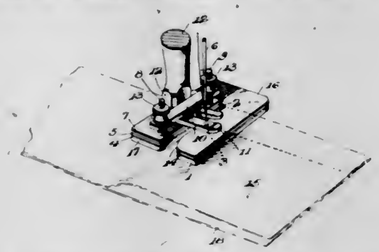
1. An improved joint for elbows and knees of artificial arms and legs, comprising a concentric metal ring in the bucket of the lower end of the upper member of the arm or leg, having an inwardly projecting rib with a hole or gap near or in its inner edge, a rotatable shaft connected by straps to the lower member of the arm or leg and having a fixed disc or sector of a disc with a number of holes or gaps near or in its edge so mounted on the shaft that the disc or sector overlaps the rib and moves past the side thereof when the shaft is rotated and each hole or gap in the disc or sector successively registers with that in the rib, a bolt or blade adapted to engage in the registering holes or gaps, and means operable by a complete to and fro movement of the shoulder, hip or hands either to enter or withdraw said bolt or blade into or from one or other of the holes or gaps in the disc or sector to lock the lower member of the arm or leg in any one of its various adjusted positions or to release it therefrom.

1,507,999. VENDING MACHINE. HOWARD HUBBARD, Dill, Okla. Filed Oct. 27, 1922. Serial No. 597,363. 2 Claims. (Cl. 144—58.)



1. A vending machine including a manually shiftable slide having an article receiving slot and a coin receiving aperture, a magazine opening downwardly upon the slide, a stationary supporting plate on which the slide is shiftable, having a slot with which the said slot of the slide is normally registered, and having a coin releasing aperture with which the coin receiving aperture of the slide is registrable upon forward movement of the slide, and a controlling member mounted to swing vertically above the rear portion of the slide, having a hook depending through said slots of the slide and its supporting plate to hold the slide from movement, and also having an arm normally depending through the forward portion of the coin receiving aperture of the slide for engagement and actuation by a coin within said aperture.

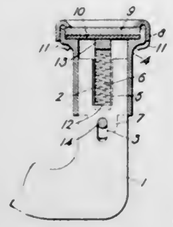
1,508,000. HEMSTITCHING AND PICOTING ATTACHMENT FOR SEWING MACHINES. CHARLES DEAN KENNEDY, Corpus Christi, Tex. Filed Jan. 13, 1923. Serial No. 612,509. 3 Claims. (Cl. 112—179.)



1. A hemstitching device adapted to be attached to the presser foot of a sewing machine comprising a flat plate having a slot extending for a portion of the length of the plate and transversely of the work feeding means of the machine, one edge of the mouth of the slot being flared for admitting the work, said plate being provided with a vertical needle passage opening into the central portion of the slot from one edge of the slot, plates of varying thicknesses similar in construction to the base plate adapted to be superimposed upon said plate, threaded studs rigidly secured to the base plate in spaced relation and located upon one side of the slot, alining spaced perforations in the superimposed plates adapted to receive the spaced threaded lug, a clamping bar provided with spaced perforations adapted to receive the threaded studs, and nuts on the threaded studs for forcing the clamping plate in rigid relation with the presser foot of a machine.

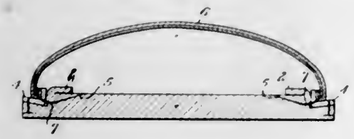
1,508,001. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 11, 1919. Serial No. 337,118. 5 Claims. (Cl. 197—103.)

1. In a typewriting machine, the combination with a key-lever having a recess extending downward from the upper edge thereof to serve as a chamber for a spring, of a sleeve fitted over the key-lever for sliding movement up and down thereon, a character plate or disk supported by and closing the upper end of the sleeve, a spring seated in the recess in the key-lever within the



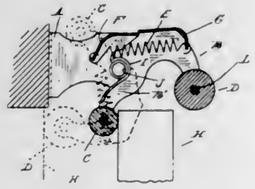
sleeve and bearing at its upper end against the character plate, and means for holding the character plate against upward displacement, by the spring, relative to the sleeve.

1,508,002. SHOE AND METHOD OF MANUFACTURING THE SAME. FIORENTINO MACCARONE, Rochester, N. Y. Filed Jan. 4, 1923. Serial No. 610,635. 1 Claim. (Cl. 36—18.)



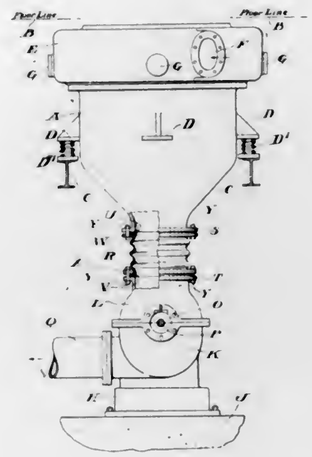
A turned shoe comprising a sole having a channel at its upper edge, a flange portion formed integral with the sole and bent backwardly from said channel so that it overlies and contacts with the top of the body portion of the sole so as to stiffen the sole, the flange portion being pressed against the body portion of the sole to set it, a welt arranged in said channel, the body of the sole having an inclined cut commencing inwardly of said backwardly bent flange portion and extending downwardly beneath the same, and an upper located above the welt and attached to the welt and sole by stitches extending through the welt and to the bottom of said inclined cut, said stitches extending through the body portion of the sole at a point considerably beneath said backwardly bent flange portion.

1,508,003. DOORCHECK. GEORGE W. MALLORY, Blenheim, Ontario, Canada. Filed May 10, 1922. Serial No. 559,738. 5 Claims. (Cl. 292—216.)



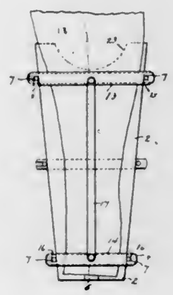
1. A door check comprising a bracket member and a rockable member, the one embracing the other, a struck-out pivot flange on the one member, and a segmental struck-out pivot flange on the other member laterally engageable with said first-mentioned flange.

1,508,004. EXPANSION JOINT FOR CONDENSERS. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 13, 1920. Serial No. 430,414. 5 Claims. (Cl. 60—64.)



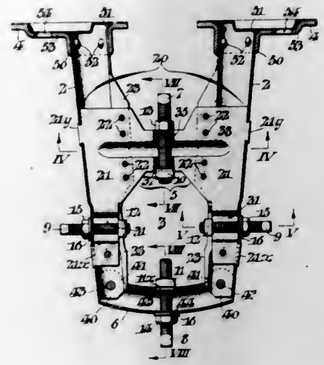
1. The combination of a condenser, resilient supports upon which said condenser rests, a removal pump separately and rigidly supported beneath the condenser, and an expansion joint in the form of a corrugated cylindrical expansion-member connecting said condenser and removal pump.

1,508,005. MULTIPLE GARMENT PRESS. REINHOLD BARTELL, Newark, N. J. Filed Oct. 14, 1921. Serial No. 507,676. 2 Claims. (Cl. 100—57.)



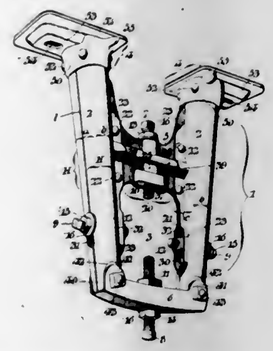
1. In a garment presser, the combination of a presser board adapted to receive and support a plurality of garments thereon, cleats arranged at intervals upon the lower face of said board, upright rods connected to the extended ends of said cleats, and a garment holding device comprising a pair of bars each adapted to engage a pair of said rods, and an elastic connection between said bars to hold said device in place upon a garment to permit the same to be stretched and shaped preparatory to pressing.

1,508,006. SHAFT HANGER. RUSSELL H. BOWEN, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,780. 15 Claims. (Cl. 64—14.)



1. A sheet metal hanger comprising a hollow leg, with back, sides, and belly formed of a single piece of bent sheet metal, reinforced and stiffened, sidewise of the hanger, by an internal longitudinal web extending from above the shaft opening of the hanger downward as far as the lateral bearing-support of said leg.

1,508,007. SHAFT HANGER. RUSSELL H. BOWEN, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,781. 54 Claims. (Cl. 64—14.)

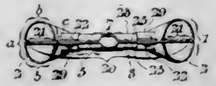


1. A sheet metal hanger comprising a hollow leg, with back, sides, and belly, reinforced and stiffened, sidewise of the hanger, by an internal longitudinal web extending from above the shaft opening of the hanger downward as far as the lateral bearing-support of said leg.

1,508,008. MANUFACTURE OF SHAFT HANGERS AND BLANKS FOR SAME. RUSSELL H. BOWEN, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,782. Renewed Feb. 13, 1924. 20 Claims. (Cl. 29—150.)

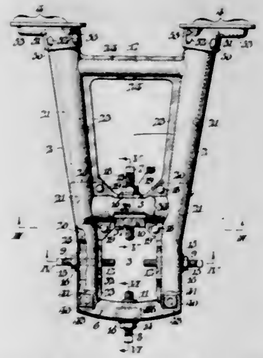
1. A process of fabricating a sheet metal hanger piece which comprises embossing outer portions of opposite margins of a couple of sheet metal blanks, turning up

said margins in correspondence with the overall width of the hanger piece to be produced, superposing and securing together a couple of the resulting pieces, bending the margins of said pieces on inward toward their



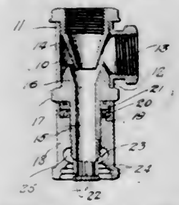
respective intermediate portions by flexure between the regions of the aforementioned embossing and turning up, and securing the thus retroverted portions of the blanks to said intermediate portions.

1,508,009. SHAFT HANGER. RUSSELL H. BOWEN, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1922. Serial No. 601,446. 33 Claims. (Cl. 64—14.)



1. A sheet metal hanger comprising a hollow leg reinforced and stiffened, sidewise of the hanger, with an integral internal longitudinal flange projecting inward into the interior of the leg from the external leg wall; said flange being narrower than the leg and enclosed therein by said external wall behind the junction of flange and wall, as well as at either side.

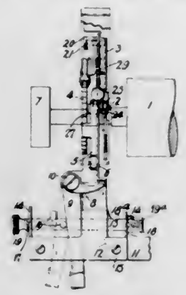
1,508,010. ADJUSTABLE SHOWER NOZZLE. EVERETT CIRCLE, Coalton, Okla. Filed June 13, 1922. Serial No. 567,897. 3 Claims. (Cl. 299—140.)



3. A spraying device including a discharge tube having longitudinal slots in the sides of its discharge end, and a sleeve adjustable longitudinally on the tube and having a flaring mouth and an inwardly directed circumferential lip traversing the slots longitudinally, the sleeve having a circumferential groove inwardly of the lip, and circumferential grooves outwardly of the lip.

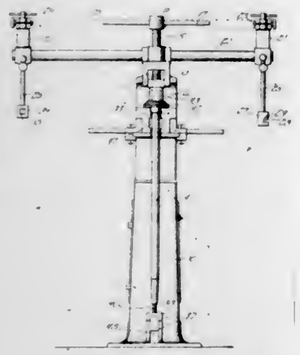
1,508,011. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Dalaware. Filed July 27, 1920. Serial No. 399,356. 17 Claims. (Cl. 197—114.)

1. In a line-spacing mechanism for typewriters, the combination with a platen, of means for moving the platen, comprising a pawl, a line-spacing lever, a pawl-carrier in the path of movement of the line-spacing lever to be operated thereby to impart line-spacing movement to the pawl, means acting through the pawl-carrier for setting the pawl to different positions to control the



line-spacing movement of the platen, and means independent of the pawl-setting means for arresting said line-spacing lever in various normal positions spaced to correspond with the setting of said pawl for different line-spacing movements of the platen.

1,508,012. AXLE STAND. FRANK DANIELSON, Chicago, Ill. Filed June 24, 1920. Serial No. 391,307. 14 Claims. (Cl. 29—89.)

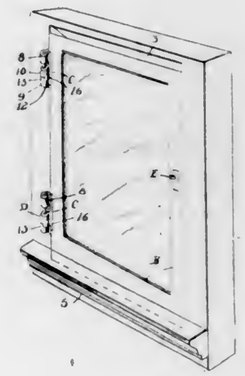


14. In a device of the character described, a base, movable and stationary jaw members, means for moving said movable jaw member toward said stationary jaw member to clamp an axle between said jaws, said stationary jaw member being provided with an extension having a transverse opening, a shaft mounted in said opening, a pair of supporting members mounted on said shaft and provided with means to clamp the same to said shaft at any desired point, and handles for operating said clamping means, one of said handles being provided with an opening having a beveled portion therein for engagement between two adjacent teeth of a gear free to turn on said axle to prevent turning thereof.

1,508,013. HINGE. GEORGIANNA W. DE WATERS, Pittsburgh, Pa. Filed Mar. 28, 1923. Serial No. 628,225. 3 Claims. (Cl. 16—143.)

1. In a hinge for casement windows and the like, the combination of a pintle barrel to be mounted on the frame and a pintle barrel to be mounted on the sash and axially superimposed on the frame barrel, and a pintle extending through said barrels, the upper end of the frame barrel having a socket adjacent to the frame, and next in the direction of opening the sash an upwardly extending abutment followed by a second socket

which is followed by a second abutment which also forms the rear wall of the first socket, and the lower end of the sash barrel being provided with a depending abutment which seats in the first named socket of the frame barrel when the sash is closed, thus preventing the sash from swinging open until it is first raised and said sash barrel abutment being adapted to impinge upon the first abut-



ment of the frame barrel when the sash is raised and is being opened, and said sash barrel abutment being further adapted to be lowered into the second socket of the frame barrel when the sash is opened to prevent the sash swinging from its position until it has been first raised, said sash barrel being also provided with an upwardly recessed socket to receive the first named abutment of the frame barrel when the sash is closed.

1,508,014. DEVICE FOR MAKING HAIR GOODS. ALBERT DITTRICH, Muhlhausen, Germany, assignor to Julius Pauly, Incorporated, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,481. 1 Claim. (Cl. 132—56.)

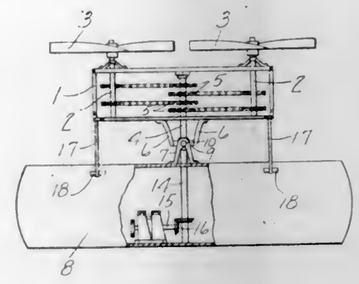


A device for making artificial hair goods comprising a column, pins located on the said column, reels mounted upon the said pins and having notched discs adjacent the said column, locking pins mounted upon the said column and adapted to engage the said notched discs when the said reels are slid upon their respective pins towards the said column, a second column and a wind-up peg revolubly mounted upon the said column.

1,508,015. PROCESS OF DILUTING ACIDS. JAMES ERNEST EGLESON, Ridley Park, Pa., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,732. 5 Claims. (Cl. 23—1.)

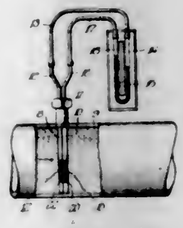
1. In the art of diluting sulfuric acid, that improvement which comprises cooling a product of dilution at a point remote from the point of dilution and then feeding the thus cooled product to the point where dilution takes place.

1,508,016. MECHANISM FOR FLYING MACHINES. WALTER M. ELLIS, Endeavor, Wis. Filed Apr. 5, 1923. Serial No. 630,175. 5 Claims. (Cl. 244—19.)



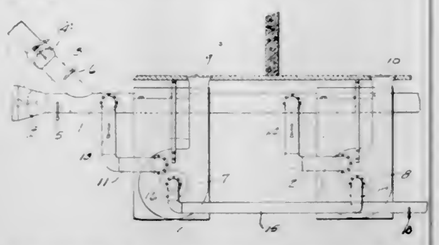
1. A mechanism of the character described comprising in combination with the body, engine and essential parts of a flying machine, a propeller or wheel-wing frame adapted for horizontal disposition over the said body, a central transmission shaft and a plurality of outer propeller or wheel wing shafts journalled through the frame perpendicular thereto and operatively connected together, propellers or wheel wings mounted on the outer shafts in a common plane, a vertical drive shaft centrally journalled in the body in line with the transmission shaft and operatively connected with the engine, a universal joint centrally connecting the wheel wing from above with the body below, one part or element of said universal joint consisting of a ring provided with radial pivots arranged in the same plane and having an open center, and operated to articulate and mutually support the two parts of the airship, the other part or element being located exactly centered and actuating within the outer part and at the same point of flexure as the outer or articulating point and operatively connecting the drive shaft with the transmission shaft, and guy ropes attached to the outer lower part of the wheel wing frame and extending thence into the body to a central point of control for flexing the wheel wing system or frame at the will of the driver and thus directing the movement of the airship.

1,508,017. PITOMETER. FREDERICK W. GREVE, West Lafayette, Ind. Filed Dec. 11, 1922. Serial No. 606,320. 1 Claim. (Cl. 73—167.)



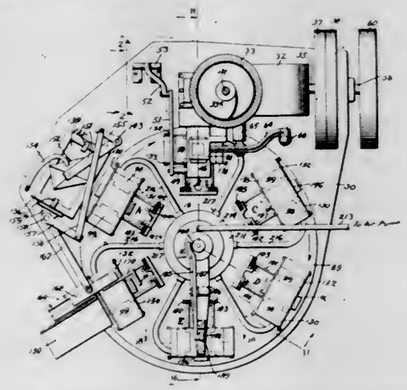
A pitometer comprising a pair of juxtaposed tubes adapted for use with a differential gage, said tubes being each provided upon its side opposite to the adjacent tube with pressure receiving openings throughout substantially the effective length of the tube, and a shingle sheath enclosing the two tubes provided with openings registering with the openings in the tubes, the sheath serving to maintain the tubes in fixed parallel relation and to protect the tubes.

1,508,018. HEATING AND VENTILATING SYSTEM. DAVID LEONARD HAMPTON, Fort Worth, Tex. Filed Nov. 9, 1923. Serial No. 673,784. 1 Claim. (Cl. 98—27.)



An apparatus of the kind described, comprising a main air pipe horizontally extended; a hot air pipe extended from the main pipe; draft fans and dampers mounted in the main pipe and the hot air pipe; blowers mounted along the main pipe; branch hot air pipes connecting the main pipe with the blowers; dampers in the branch hot air pipes; a cold air pipe; and branch cold air pipes connecting the cold air pipe with the blowers.

1,508,019. PACKAGING MACHINE. HERBERT M. HILL, New York, N. Y., assignor to Phenix Cheese Company, a Corporation of New York. Filed Aug. 30, 1922. Serial No. 585,330. 8 Claims. (Cl. 93—7.)



1. The combination, with a stationary framework, a turntable mounted thereon and revolubly step-by-step, and a package wrapping platform carried by said turntable and so positioned thereupon as to stop successively in a predetermined position, of stationary guides mounted upon said framework and located adjacent the position in which said package wrapping platform stops, a plunger slidably mounted upon said guides, a pair of blades carried by said plunger and movable relatively to said stationary guides and to each package wrapping platform as it stops in said predetermined position, for the purpose of engaging protruding portions of the wrapper of a partially formed package, in order to fold and smooth said protruding portions of the said wrapper.

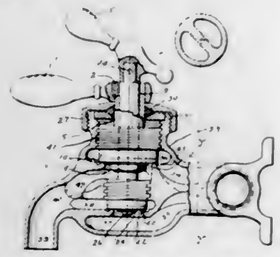
1,508,020. HOLDER FOR STACKS OF SHEETS. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 649,891. 2 Claims. (Cl. 214—29.)

1. The combination of a support, a stack of sheets carried thereby, alternate sheets in said stack being off-set and projecting beyond each other in opposite directions, and an apertured pressure exerting member resting upon the projecting portions of said stack and thereby tilting



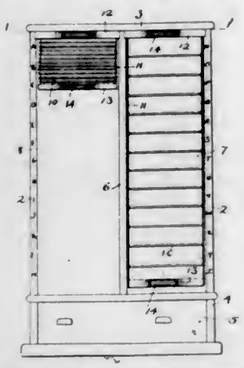
the terminal sheet to project its free edge through said aperture and thereby facilitate the removal of said terminal sheet from said stack.

1,508,021. DOUBLE FAUCET. EINO E. LAKSO, Fitchburg, Mass. Filed Jan. 2, 1923. Serial No. 610,206. 2 Claims. (Cl. 277—18.)



2. In a combination hot and cold water faucet having separate valves, an outlet and separate inlets in the body; said body being cast in one piece having two distinct valve elevating threaded holes concentrically bored on different planes.

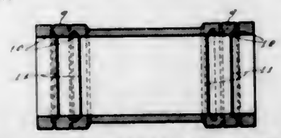
1,508,022. FILING CABINET. EDWARD FRANCIS MILES, Lewiston, Me. Filed July 15, 1921. Serial No. 484,887. Renewed Jan. 29, 1924. 1 Claim. (Cl. 45—2.)



A filing cabinet including a casing open at the front and having a plurality of compartments, and provided at the top of each of the compartments with opposite horizontal supporting ways, a supporting slide and a set of collapsible shelves for each of the compartments supported by said slide, said shelves being flexibly connected at their side edges and collapsible upwardly from the bottom of the cabinet towards the said slide in removing

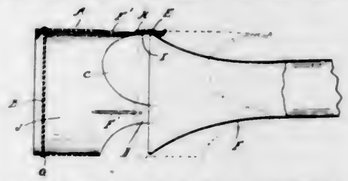
the set of shelves from the compartment, the said slide being extended laterally beyond the side edges of the shelves and having its extended side edges supported by, and slidable inwardly and outwardly in the said ways, said set of shelves being suspended in its expanded condition from the said slide.

1,508,023. PIPE CONNECTION. JOSEPH G. MOOMY, Erie, Pa., assignor to Mary H. Moomy, Erie, Pa. Filed Apr. 21, 1922. Serial No. 555,801. 3 Claims. (Cl. 285—90.)



1. A pipe connection having an expansible rubber engaging annulus, said annulus having internally opening inwardly inclined slits extending into the walls of the annulus, the slits being relatively thin and the intervening walls between the slits relatively thick and the walls of the connection adjacent to the slits being cylindrical.

1,508,024. MUTE FOR WIND INSTRUMENTS. WILLIAM A. MCARTHUR, Detroit, Mich. Filed July 3, 1922. Serial No. 572,741. 5 Claims. (Cl. 84—400.)



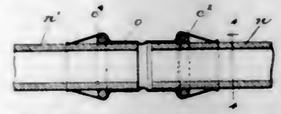
3. A mute attachment for a horn including a sleeve closed at one end, and means projecting forwardly from the open end of said sleeve for detachably securing the same to said horn, said sleeve having a greater diameter than the bell of said horn whereby said sleeve may receive the bell of said horn.

1,508,025. SHOE AND HEEL THEREFOR. JAMES MCDONOUGH, Cleveland, Ohio, assignor of one-half to William R. McDonough and one-half to Harry A. McDonough, both of Cleveland, Ohio. Filed Feb. 28, 1921. Serial No. 448,587. 3 Claims. (Cl. 36—34.)



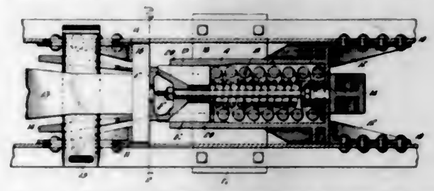
1. A shoe having a sole and heel portion and a heel lift attached to the heel portion with its breast edge disposed at substantially right angles to a line extending from the center of said tread portion of the heel lift to the ball of the shoe with the center line of the heel lift coinciding with the line which is at right angles to the breast of the heel, the ground engaging portion of the heel lift being equally and symmetrically disposed on opposite sides of its center line.

1,508,026. CLUTCH FOR AXIAL TRACTION. WARREN NOBLE, Providence, R. I., assignor to Tubular Woven Fabric Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Mar. 15, 1919. Serial No. 282,900. 3 Claims. (Cl. 285—163.)



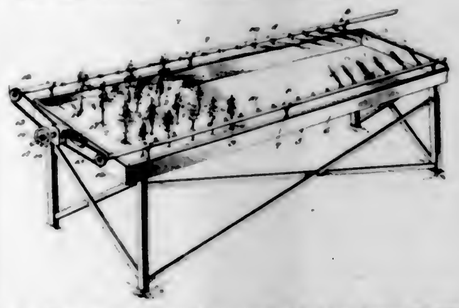
3. A clutch for axial traction comprising inner and outer members arranged for relative movement in the axial direction, one of said members having oppositely inclined circumferential surfaces converging toward the contiguous surface of the other member and forming therewith included tapering chambers or grooves, and flexible binder rings contained in said chambers constructed to roll on the bounding surfaces thereof when axial relative movement takes place, one of said rings being resiliently compressible.

1,508,027. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 8, 1921. Serial No. 499,205. Renewed July 21, 1924. 11 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell; of a spring resistance; two sets of friction-shoes each comprising a plurality of shoes and all cooperable with said shell; and a wedge common to all of said shoes, said wedge and shoes of one set having inwardly converging wedge faces extending at one angle with respect to the axis of the mechanism, said wedge and shoes of the other set having cooperating inwardly converging wedge faces extending at a different angle with respect to said axis.

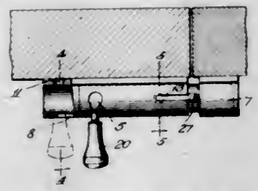
1,508,028. WATER-DISTRIBUTING DEVICE. WILLIAM ROBINSON, Morton Grove, Ill. Filed Jan. 20, 1922. Serial No. 530,590. 2 Claims. (Cl. 209—72.)



1. A water distributing apparatus for hot house plants comprising a pair of spaced parallel water distributing pipes having inwardly directed nozzles, sprocket wheels

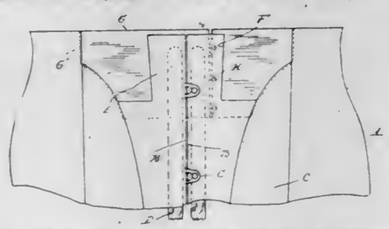
secured on the ends of said water distributing pipes, sprocket chains trained about said wheels respectively and means to operate said sprocket chains for simultaneously rotating said water distributing pipes in opposite directions.

1,508,029. BOLT. SAMUEL SEGAL, New York, N. Y. Filed Jan. 29, 1920, Serial No. 354,766. Renewed July 22, 1922. Serial No. 576,867. 8 Claims. (Cl. 292—67.)



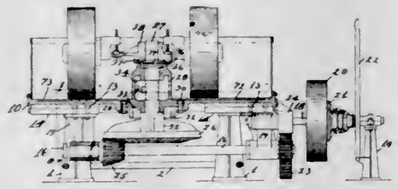
4. In a bolt, a barrel having a hole and a slot therein, a bolt-bar adapted to slide within said barrel and provided with a hole extending through the body thereof adapted to register with the hole in the barrel, a shoulder on said bolt-bar adjacent said hole, an operating knob for actuating said bolt-bar, a pin carried by said operating knob adapted to slide within the slot in the barrel and extending within the hole in the body of the bolt-bar, a head on said pin and a concealed spring encircling said pin and engaging the head thereof and said shoulder and adapted to automatically project said pin into the hole of the barrel to lock the bolt-bar against movement.

1,508,030. CORSET. JOSEPH SIEGEL, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 10, 1921. Serial No. 436,035. 6 Claims. (Cl. 2—37.)



1. A waist-embracing garment having detachably connected vertical edges and having openings formed in its top portion at each side of said edges providing upstanding portions marginal to said edges, members secured to said garment at the remote edges of said openings and closing the latter, and means for detachably securing said members together in rear of one of said upstanding portions.

1,508,031. FOUNDRY-SAND MIXER. HERBERT S. SIMPSON, Chicago, Ill. Filed Sept. 10, 1921. Serial No. 499,620. 5 Claims. (Cl. 83—73.)

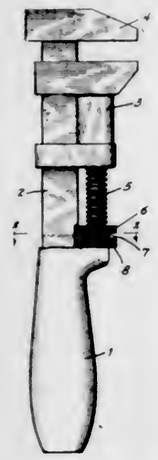


1. In a mixing machine, a pan having a central opening surrounded by an annular flange, a turret having an annular base flange seated upon said first mentioned flange, a shaft journalled in said turret, a spider secured upon the upper end of said shaft, a pair of vertically adjustable mullers supported upon opposite sides of said spider, and segmental-shaped wear plates on the bottom of said pan adapted to be removed through a vertical adjustment of said mullers.

1,508,032. CORROSION-RESISTING FERROUS ALLOY. WILLIAM H. SMITH, Cleveland, Ohio, assignor to Ludlum Steel Co., Watervliet, N. Y., a Corporation of New Jersey. Filed Feb. 27, 1919. Serial No. 279,650. 13 Claims. (Cl. 75—1.)

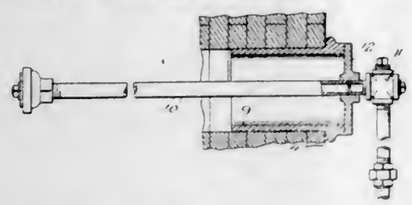
1. A substantially nickel free alloy containing at least 40% of iron, not less than 15% of chromium, .04% to 12% of titanium, and an appreciable quantity of manganese not in excess of 2%.

1,508,033. WRENCH. THOMAS B. TIEFENBACHER, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,450. 2 Claims. (Cl. 81—210.)



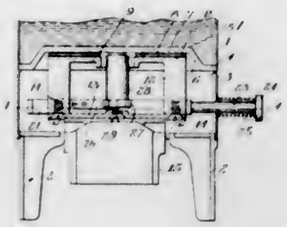
1. In a wrench, a fixed jaw and a movable jaw adapted to cooperate therewith, a nut for moving said movable jaw and a spring having one end encircling said nut and the other end anchored in a fixed part of the wrench, said spring exerting pressure of a constant nature against said nut in a direction transverse to the plane of said nut.

1,508,034. GAS FILTER. FRITZ FREDERICK UEHLING, Passaic, N. J. Filed Apr. 18, 1922. Serial No. 555,516. 3 Claims. (Cl. 183—44.)



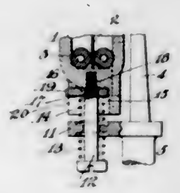
3. The combination with a filter, of a pipe connected thereto, a supporting frame for the pipe and filter consisting of a cylinder mounted in a gas chamber, and a cover for said chamber having a central opening in which the aforesaid pipe is secured, together with means for clamping the cover to the cylindrical frame, and an external gas-conveying conduit or main likewise connected with the central opening in the frame cover.

1,508,035. FUSIBLE SWITCH. WEEDEN B. UNDERWOOD, Rochester, N. Y., assignor to Wilmot Castle Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 9, 1922. Serial No. 580,767. 6 Claims. (Cl. 219—43.)



1. An electrically heated container having a bottom soldered to the side walls thereof and provided with a central upwardly projecting portion spaced from the side walls to provide a channel in proximity to the side walls the central upwardly projecting portion having a pocket in its underside, heating means having an electrical heating element arranged in the pocket and provided with means having a normal tendency to cut off the heat, and a fuse device for restraining such tendency, subject to the influence of the central portion of the bottom of the conductor, so that when said central portion becomes dry, such fuse device will release the controlling means before the liquid in the channel adjacent the side walls is evaporated.

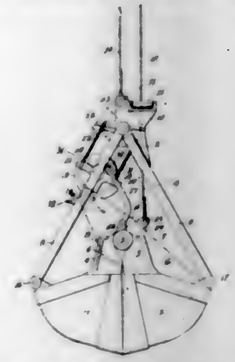
1,508,036. SOUND-REPRODUCING APPARATUS. ANTHONY VASSELLI, Newark, N. J., assignor, by mesne assignments, to General Phonograph Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1919. Serial No. 329,478. 1 Claim. (Cl. 274—35.)



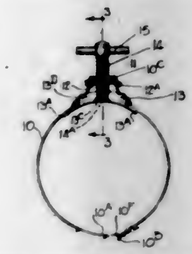
An article of the class described, comprising a sound-box casing, a diaphragm, a stylus arm attached to the diaphragm, a rearward extension on said stylus arm having a perforation, a bolt passing through the perforation, said bolt being threaded into said casing, a second thread on the bolt, the second thread having a faster pitch than the first thread, a nut engaging the second thread, an elastic element between the head of the bolt and the extension, and an elastic element between the extension and the nut, whereby the elements will be simultaneously acted on, said casing provided with a slot, and a lug on the nut protruding into the slot for preventing rotation of the nut.

1,508,037. CLAMSHELL BUCKET. WILLIAM M. VENABLE, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Dec. 4, 1923. Serial No. 678,374. 14 Claims. (Cl. 37—184.)

1. A lever arm bucket comprising in combination a pair of coaxially mounted head sheaves, a sheave block pivoted on the lever arm, a sheave mounted in said block upon an axis which is canted with respect to the pivot of the sheave block and an operating cable reeved between said sheaves, said cable, said pivot for the sheave block and said axis for the sheave in said block all cooperating to maintain substantially straight leads for the cable regardless of the constantly varying relation between the head sheave and the block sheave during actuation of the bucket.

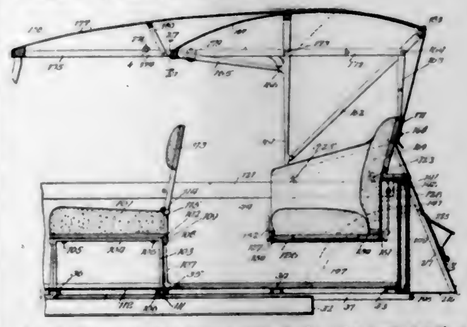


1,508,038. CLAMP. CHARLES VITEK, Maywood, Ill., assignor to Benjamin A. Tetzlaff, Green Bay, Wis. Filed July 5, 1921. Serial No. 482,621. 2 Claims. (Cl. 24—19.)



1. A hose clamp comprising a flexible band extending around one-half of the circumference of the hose, a bridge embracing the other half of the circumference of the hose, a nut held between a bent portion of said band and a screw extending thru said band and thru said nut and having its end in engagement with said bridge.

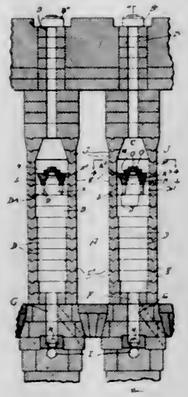
1,508,039. AUTOMOBILE BODY. FREDERICK A. WEGNER, Goshen, Ind. Filed Nov. 8, 1920. Serial No. 422,407. 6 Claims. (Cl. 296—65.)



1. In a convertible automobile body, the combination of a vertically collapsible front seat with folding support beneath and having a back hinged to fold on top of said seat whereby the seat is dropped right side up

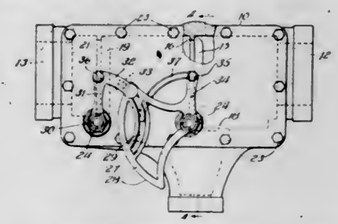
to the lowered position, a slidably adjustable rear seat, slide ways on the side walls for said slidable seat, said front seat being collapsible vertically from the usable position and said slidable rear seat being adjustable from its rear position to a front usable position, said front usable position of said rear seat being that occupied by said front seat when in usable position.

1,508,040. HORIZONTAL FLUE. LOUIS WILPUTTE, New Rochelle, N. Y., assignor of two-thirds to Alice A. Wilputte, New Rochelle, N. Y. Filed Sept. 25, 1923. Serial No. 664,694. 11 Claims. (Cl. 202—9.)



1. In a coke oven heating wall formed with vertical flues and a flue space or spaces connecting adjacent ones of said flues at their upper ends, the improvement which consists in a brickwork portion of said wall shaped to provide a port between each vertical flue and the space to which its upper end is connected which is substantially smaller in cross section than the flues itself and comprises portions adjacent the sides of the heating wall.

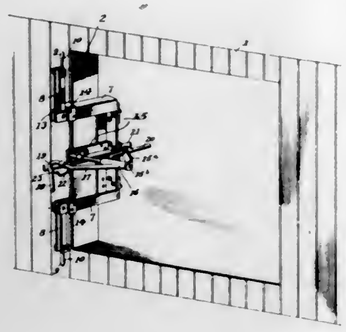
1,508,041. STRAINER AND FISH TRAP FOR WATER LINES. HUGO R. WINTON, Chicago, Ill., assignor of one-half to Charles T. Denker, Timmins, Ontario, Canada. Filed Aug. 21, 1922. Serial No. 583,085. 10 Claims. (Cl. 210—167.)



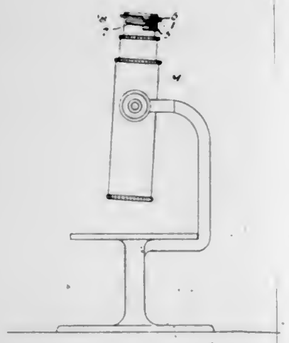
1. A water line connection having a main passage and a by-pass, a plurality of strainers arranged across the main passage to strain the water passing therethrough and adapted to swing in position across the by-pass, and means to insure that one strainer will always be across the main passage.

1,508,042. MAIL-BAG CATCHING AND DELIVERING APPARATUS. AUSTIN AMIOT, Stockton, Ohio. Filed Aug. 26, 1921. Serial No. 495,500. 2 Claims. (Cl. 258—14.)

1. In a device of the class described, a support, a frame hinged thereto, supporting arms pivoted to the upper and lower portions of said frame and adapted to support a bag therebetween, an auxiliary frame on the first mentioned frame intermediate the aforesaid arms, a rod supported between the free ends of said auxiliary frame, a catching and receiving arm pivoted on said rod and adapted to be disposed into a horizontal catching position, and means associated with said arm for engagement with a portion of the auxiliary frame for limiting the pivotal movement of said arm in one direction.



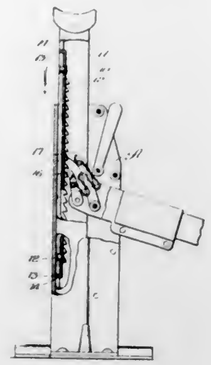
1,508,043. ATTACHMENT FOR OPTICAL INSTRUMENTS. FRANK LEE BARROWS, Moscow, Idaho. Filed June 17, 1920. Serial No. 389,658. 3 Claims. (Cl. 88—40.)



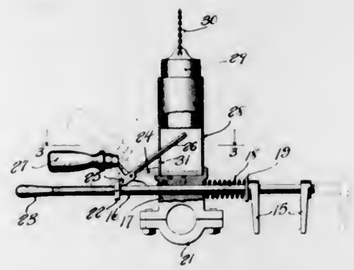
1. In a device of the character described, in combination with an optical instrument, an auxiliary lens correcting the refractive error of the person using the instrument, and a mount for said lens including an annular disk having an annular upstanding flange, a lower ring of felt carried on the disk and engaging the lower marginal edge of the auxiliary lens, an upper ring of felt engaging the upper edge of the auxiliary lens and carried thereby and a cap having a threaded engagement with the upstanding flange and compressing the upper ring of felt to retain the auxiliary lens in position.

1,508,044. JACK. JOHN W. BATE, Racine, Wis. Filed Jan. 25, 1922. Serial No. 531,700. 2 Claims. (Cl. 254—109.)

1. In a jack, a casing, a lifting member slidable therein, said member having a U-shaped cross-section, a rack secured within said member, and lifting mechanism including pawls operable on said rack, said rack comprising a strip of U-shaped cross-section having notched edges, said sections facing in the same direction, there being an appreciable space between the notched edges of the racks and the inner sides of the flanges of the outer section.



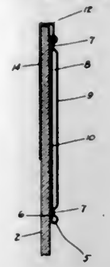
1,508,045. THERMOSTATIC CONTROL FOR VOLATILE FLUID PUMPS. EDGAR A. BIENENSTOK, Milwaukee, Wis., assignor to Milwaukee Tank Works, Milwaukee, Wis. Filed July 22, 1922. Serial No. 576,908. 9 Claims. (Cl. 8—8.)



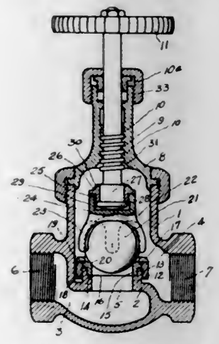
4. In a dry cleaning system the combination of a series of units for holding a volatile fluid, pipes connecting said units, a pump for circulating said fluid through said pipes, power delivery means for said pump, mechanism for controlling the delivery of power to said pump, and a series of spaced thermostatic devices positioned adjacent said units and pipes and controlling the operation of said mechanism.

1,508,046. MEANS FOR MOUNTING CERTIFICATES OR TAGS ON VEHICLES. BÖRRE H. BÖRRESON, St. Paul, Minn. Filed Nov. 28, 1921. Serial No. 518,353. 5 Claims. (Cl. 40—11.)

1. The combination, with a vehicle wind shield, of a certificate or license holder comprising a frame adapted to fit the surface of one side of the shield, and wire fingers on said frame for gripping the surface of the opposite side of the shield and having comparatively long bearings on said shield.

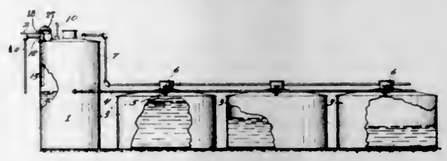


1,508,047. VALVE. THOMAS BOWLER, North Vancouver, British Columbia, Canada. Filed Apr. 14, 1924. Serial No. 706,367. 1 Claim. (Cl. 251—46.)



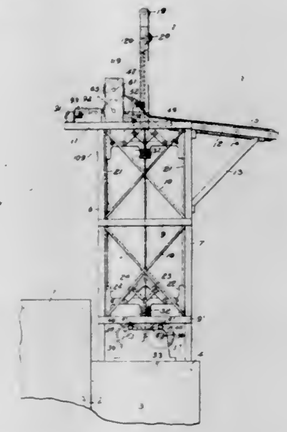
A valve comprising a valve chest, a valve seat therein, a ball valve co-operating with said seat, and a vertically movable valve spindle provided at its lower end with fingers T-shaped in cross section between which the said ball is seated extending below the ball axis, the part of said fingers below the axis being originally straight and then bent inwardly to hold the ball as in a claw with the rib of the T facing inwardly.

1,508,048. VAPOR CONSERVATION SYSTEM. CHARLES P. BUCK, Topeka, Kans. Filed Feb. 20, 1922. Serial No. 538,084. 2 Claims. (Cl. 220—85.)



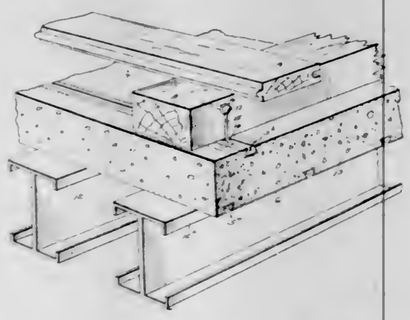
1. A vapor conservation system, comprising oil-receiving and stock tanks, valve-controlled pipes connecting the tanks, one of the pipes being arranged to convey oil from the receiving tank at an intermediate point thereof to the stock tank, and the other to convey vapor from the stock tank to the receiving tank above the level of the oil therein, a vapor-withdrawing pipe communicating with the receiving tank near but above the level of the oil therein, and means actuated by an increase in the vacuous condition of the receiving tank, to partially or wholly close the said vapor-withdrawing pipe.

1,508,049. APPARATUS FOR DRAWING SHEET GLASS. THOMAS B. CAMPBELL, Jr., Pittsburgh, Pa. Filed Dec. 23, 1921. Serial No. 524,531. 14 Claims. (Cl. 49—17.)



6. A sheet-glass drawing apparatus comprising a framework, a plurality of vertically reciprocating drawing frames adapted to intermittently grip the sheet being drawn, means for moving the drawing frames upwardly at a uniform and constant speed, means for keeping at least one of said frames reciprocating upwardly at all times, and means for causing said frames to move downwardly at a greater speed than during their upward movement.

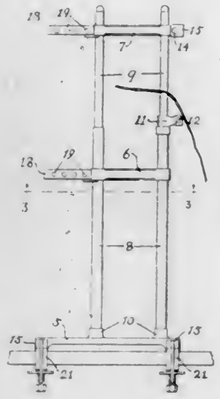
1,508,050. METAL LATH. HUGH C. CARROLL, McKeesport, Pa. Filed Dec. 2, 1922. Serial No. 604,531. 1 Claim. (Cl. 72—116.)



A metal lath made from a single piece of flat metal and comprising a plurality of parallel dove-tailed hollow ribs and outstanding flanges along the free edges of said ribs, laterally extending connecting portions lying in the plane of and integral with said flanges, said dove tail portions being spaced apart a distance materially greater than their own width.

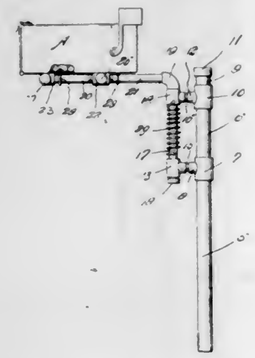
1,508,051. ADJUSTABLE COMBINATION GOLF BAG AND LUGGAGE CARRIER FOR AUTOMOBILES. WALTER J. CARROLL, Detroit, Mich. Filed Dec. 18, 1923. Serial No. 681,424. 2 Claims. (Cl. 224—29.)

1. In a luggage carrier, the combination with base plate having tubes secured thereto, of a U shaped frame having tubes or rods secured thereto and adapted to move longitudinally within the base plate tubes, means for locking the movable section in any desired position, supporting feet provided with suitable holes located on



the base plate and on the outer U shaped frame and clamps provided with an extension rod fitting in the holes provided in the supporting feet.

1,508,052. MAIL-BOX SUPPORT. WILLIAM R. HASTINGS, Leavenworth, Kan. Filed Nov. 13, 1923. Serial No. 674,526. 1 Claim. (Cl. 232—40.)



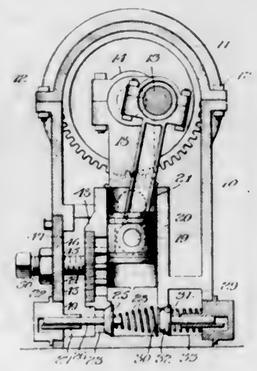
In a mail box support of the character described, a post comprising a relatively long lower pipe section, a relatively shorter intermediate pipe section, a still shorter upper pipe section, and a pair of spaced T-fittings connecting said sections in a vertically aligned end to end relation, a second pair of T-fittings, a nipple rigidly connecting each of said last named T-fittings with one of the first named pair of T-fittings, a bracket including horizontal and vertical arms, the vertical arms of the bracket being journalled in the second named pair of T-fittings, means to rigidly secure a mail box upon said horizontal arm, yieldable means associated with said vertical arm and one of said second named pair of T-fittings for normally yieldingly holding the horizontal arms in outwardly swung position relative to the post, said horizontal arm comprising a pair of sections joined in end to end relation by a four way fitting, a T-fitting upon the outer section of said horizontal arm, and horizontal laterally extending pipe sections secured in the lateral branches of the last named four way and T-fittings to form cross bars upon which the mail box rests.

1,508,053. CIGARETTE HOLDER AND CASE. WILLIAM M. HICKS, Cranford, N. J. Filed May 12, 1921. Serial No. 468,936. 7 Claims. (Cl. 131—10.)



6. In combination with a hollow cylindrical casing; a clutch element mounted for reciprocation therein, said element comprising a cylindrical body having frictional contact with the inner wall of the casing, a spring neck and an open head; means to limit the extent of movement of the element within the casing; and a cigarette holder comprising a stem having an outwardly extending collar and a receiver telescoping the stem, said stem making a binding frictional contact with the spring neck and the collar acting as a stop to limit extent of insertion of the stem into the head.

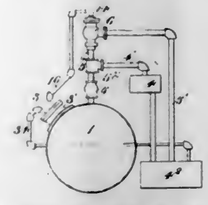
1,508,054. PUMP. ARTHUR C. HOPKINS, Niles, Mich. Filed June 23, 1923. Serial No. 647,295. 4 Claims. (Cl. 103—37.)



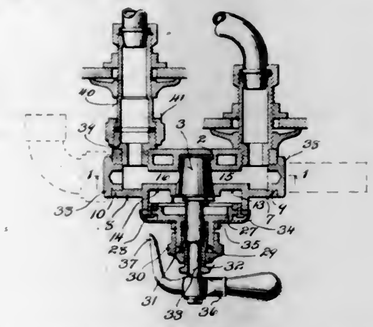
1. A pump having a cylinder, a piston reciprocable therein, inlet and outlet valves for said cylinder, a series of openings in the walls of said cylinder which are successively uncovered by said piston as it reciprocates and means for adjustably closing said openings.

1,508,055. FLUID-LEVEL REGULATOR. ELY C. HUTCHINSON, Oakland, Calif., assignor to Pelton Water Wheel Co., San Francisco, Calif., a Corporation of California. Filed May 10, 1922. Serial No. 559,904. 5 Claims. (Cl. 103—41.)

1. In combination with a receptacle for receiving the supply of fluid, a source of fluid supply, a fluid conveying line leading therefrom, said line branching to connect through one branch with the receptacle and through another branch affording a return to said source of supply, a pump within said fluid conveying line, an unloader valve within the branch line returning to the source of supply and closing against the pump pressure, a check valve within said other branch line, a fluid pressure connection between the receptacle and one side of said unloader valve, a valve operated by the receptacle fluid pressure and controlling the admission of pressure into or the release of pressure from said connection, and a master valve operated by the level of the fluid in said receptacle for controlling the operation of said first valve.



1,508,056. VALVE. CHARLES F. JANSEN, Milwaukee, Wis. Filed Mar. 26, 1924. Serial No. 701,965. 6 Claims. (Cl. 277—7.)



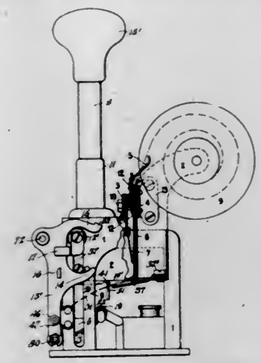
1. A mixing valve comprising a main casing having a hollow interior and having a pair of inlet openings and an outlet opening, tubular members carried within said casing and extending inwardly from said inlet openings, a central valve socket seat communicating with said tubular members, a valve seated within said socket and controlling communication of said tubular members with the interior of said casing, and means carried directly by said valve for controlling the total flow irrespective of the seating of said valve.

5. A mixing valve comprising a hollow casing having an outlet opening, a valve mechanism located within said casing, said casing having diametrically opposed pairs of inlet openings with the members of each pair arranged at right angles to each other, any of said inlet openings being adapted to receive supply pipe fittings, and plugs screwed into the unused inlet openings, whereby the valve may be used in any one of a plurality of positions.

1,508,057. DEVICE FOR SEVERING AND APPLYING STAMPS OR THE LIKE TO ENVELOPES OR OTHER SURFACES. FRANZ KASPAR, Prague, Czechoslovakia. Filed Aug. 20, 1923. Serial No. 658,421. 2 Claims. (Cl. 216—28.)

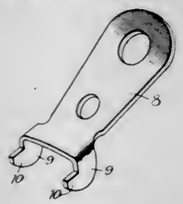
1. A device of the class described for severing and affixing postage stamps, labels and the like supplied in strip form comprising in combination with the casing of the device a feed brush consisting of separate resilient small rods placed side by side and having their ends bent and suitably ground off, a fixed holder for said brush, a movable plunger having a strip guiding passage formed therein and a resilient strip-retaining device, the brush

ends sliding in the said passage and on the return movement of the plunger engaging with the perforations of the strip and holding the latter thus unrolling the strip



from its roll, the said strip being already held in the upper part of the passage by the pressure of the aforesaid resilient strip retaining device against the rear wall of the said passage.

1,508,058. KEY. JOSEPH KOMOROUS, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 19, 1922, Serial No. 569,546. Divided and this application filed Apr. 26, 1923. Serial No. 634,774. 4 Claims. (Cl. 70—9.)



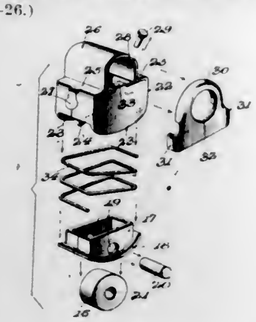
1. A key for the purpose described, comprising a body portion having legs spaced apart with forwardly projecting portions extending lengthwise of the key and disposed in a plane offset below said body portion.

1,508,059. BRUSH. JOSEPH KOMOROUS, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,671. 3 Claims. (Cl. 15—193.)



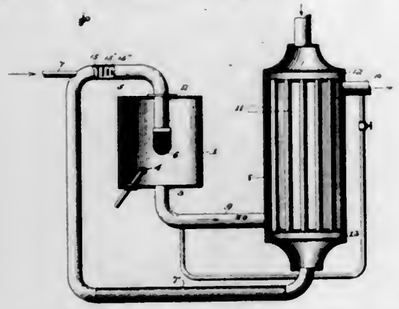
1. A brush comprising, in combination, a body portion of set plastic material having bristles embedded therein, a retaining band surrounding said body portion and provided at its upper end with an outwardly-extending peripheral flange, the body portion extending substantially flush with the upper edge of the band whereby the band is reinforced against flexure in the crimping of the cover, and a cover for said body extending over the top of said body and crimped into engagement with the flange of said band.

1,508,060. DISTRIBUTOR. ELMER J. LEE, Bangor, Pa. Filed Nov. 11, 1922. Serial No. 600,416. 2 Claims. (Cl. 200—26.)



1. A rotor for timer shafts consisting of a rectangular support having its sides and ends formed by the bent portions of a single piece of material and open at its base, the meeting ends of said section of material at one side of the support being recessed and the other side of the support having an integral extension curved across the top of the support and forming with the upper edges of the ends of the support a shaft bearing, said extension having at its free end an angular tongue projecting into the recessed portion of the first mentioned side of the support, a contact roller, a rectangular flanged holder in which the contact roller is journaled and which is movable into the support through the lower open end of the latter, and a spring within the support engaging said roller holding to tension the latter and the roller.

1,508,061. PROCESS OF AND APPARATUS FOR THE MANUFACTURE OF NITROGEN OXIDE. GEORGE A. PERLEY, Durham, N. H. Filed Oct. 23, 1919. Serial No. 332,792. 3 Claims. (Cl. 23—1.)

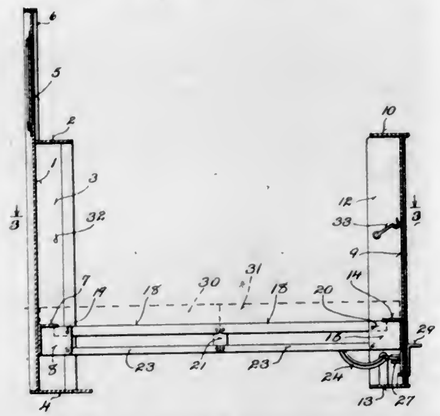


1. The process of making nitrogen oxide, which consists in preheating an oxidizing medium, including oxygen and substantially free ammonia, to a temperature in excess of 400° C., through heat interchange relations with the exit gases of a previous oxidation reaction, then admixing a fluid medium including ammonia with said oxidizing medium and passing the gases through a structure composed of a material which is not an energetic oxidizing catalyst of the mixture, then passing the mixture over an energetic catalytic agent at a sufficient speed to substantially prevent the oxidation of ammonia to elemental nitrogen.

1,508,062. METHOD OF PRODUCING DENTAL PLATES. MENDEL PIANKO, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,957. 1 Claim. (Cl. 32—4.)

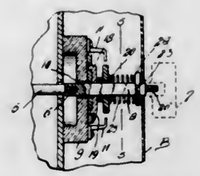
The herein described method of producing a dental plate which consists in taking an impression of the mouth, coating the impression, while wet, with a shellac solution, making a positive from the shellacked surface of the impression, applying a coating of graphite or other suitable metal to the second impression while wet from the negative pole of an electroplating apparatus, and setting up an electrical current through the apparatus to plate the impression with a desired metal.

1,508,063. CONVERTIBLE BED. CHARLES F. RADATZ, Kenosha, Wis. Filed June 21, 1923. Serial No. 646,791. 1 Claim. (Cl. 5—154.)



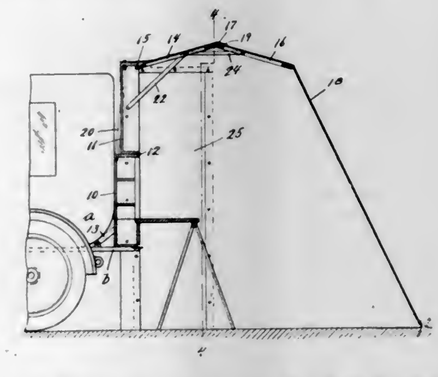
A foldable bed comprising a head piece and a foot piece each having inwardly projecting top, side and bottom portions adapted when the bed is folded to form a continuous top side and bottom portion of a dresser-like article of furniture, a body portion hingedly joined adjacent its ends to the head and foot pieces and composed of two half sections hinged together adjacent the center of said body portion, a lever hinged to the foot piece and adapted to contact with one of the half sections of said body portion, and a foot actuated projection extending through said foot piece and operatively connected to said lever.

1,508,064. TIME CONTROL SWITCH. LESTER W. RADMAN, Buckhannon, W. Va. Filed Feb. 21, 1923. Serial No. 620,328. 2 Claims. (Cl. 200—35.)



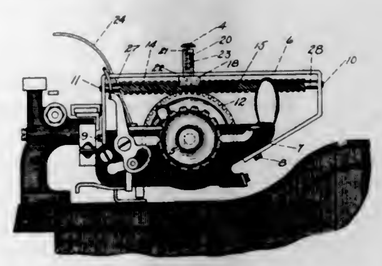
1. A time control switch for attachment to an alarm clock including a casing formed for receiving a portion of said clock, a base member removably mounted on the rear wall of the clock having an opening therein in line with the alarm spring winding shaft, a shaft section extending through the opening in the base member and removably connected with the spring winding shaft at one end and projecting through an opening in the casing at the other end for removably receiving a winding handle, a pair of contacts mounted on said base member at opposite sides of that said shaft section, a cam disc mounted on the base member having an opening receiving said shaft section, a cam member mounted for rotation with said shaft section and for cooperation with the cam of said cam disc, a contact member mounted for rotation with the shaft section having contact arms for engagement with the contacts on said base member for closing the circuit between said contacts, and resilient means mounted on the shaft section and engaging the contact member for normally forcing said contact member, and said cam member toward said base member for holding said contact member in position for cooperative circuit closing relation with the contacts on the base, and said cam member for cooperation with the cam disc.

1,508,065. AUTOMOBILE TOURIST TENT. WILLIAM T. RAMSDELL, Haverhill, Mass. Filed May 11, 1923. Serial No. 638,158. 9 Claims. (Cl. 190—1.)



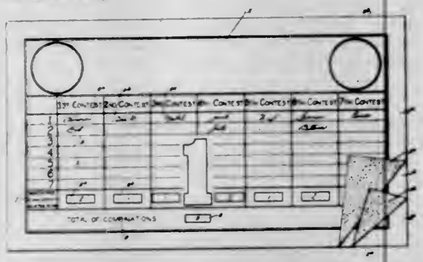
1. In combination with a box, a lid therefor pivoted to the upper side thereof and arranged to be supported thereon in upright position, removable connections for retaining the lid in said positions, a tent spreader mounted at one end on said lid, means for holding said spreader in an angular position relative to the lid, and a tent arranged to be supported by said spreader.

1,508,066. INDICATING DEVICE FOR TYPEWRITERS. JOHN J. REINHOLD, Marietta, Pa. Filed Mar. 10, 1923. Serial No. 624,160. 3 Claims. (Cl. 197—189.)



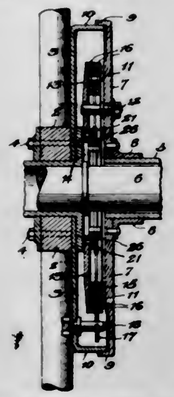
1. In a printing machine, the combination with a platen adapted to feed a sheet of paper to the printing elements, of a scale adapted to coact with the end of said papr and indicate the distance from said end to the point where the printing is produced, a gear adapted to rotate through movement of said platen, a threaded shaft adapted to rotate through rotating movement of said gear, a second scale, the garduations of which corresponds with the graduations of the first said scale, and a pointer adapted to move along said second scale through rotating movement of said threaded shaft, the movement of said pointer relative to said second scale being adapted to correspond with the movement of the end of said paper relative to the first said scale.

1,508,067. COMBINATION ENTRY FORM FOR GAMES OR CONTESTS. ERNESTO D. REYES, San Juan, P. R. Filed Dec. 8, 1922. Serial No. 605,566. 4 Claims. (Cl. 283—66.)



1. A combination entry form for contests or games, comprising a sheet provided with delineated contest spaces and means indicating the several contests to which said spaces are respectively devoted, each said space having provision for recording the names of a plurality of selections as possible winners in the contest represented by said space, smaller delineated spaces associated, one with each of said first spaces, each to receive a figure representing the number of the entries selected to win in the one of said first spaces associated therewith, said sheet also having a delineated space to receive a figure representing the number of possible combinations of winners in the various contests from the selections of winners recorded in all of said first spaces.

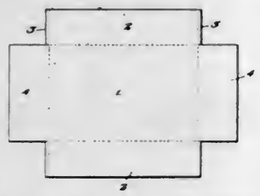
1,508,068. FRICTION BRAKE. WILLIAM W. ROACH, Philadelphia, Pa. Filed Nov. 1, 1922. Serial No. 598,278. 7 Claims. (Cl. 188—71.)



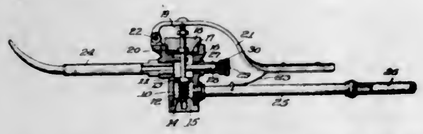
1. A friction brake for automobiles, comprising a fixed plate, a friction ring connected to rotate with the part to be braked, a non-rotary disk on the other side of said ring, said ring and disk being movable axially relatively to said plate, and means to draw said disk towards said plate to grip said ring between them, said means comprising a bolt operatively connected to said disk and passing within said ring and through said plate, a cam sleeve rotatable on said bolt, a conjugate cam sleeve secured to said plate, and means to turn said rotatable sleeve.

1,508,069. ASBESTOS CONTAINER AND METHOD OF MAKING THE SAME. THOMAS ROSE, Ambler, Pa. Filed Nov. 9, 1922. Serial No. 599,766. 3 Claims. (Cl. 229—3.5.)

1. A box having inherent rigidity in its wall structure, said box being made from a blank of asbestos material cut to form the bottom, sides and ends of the box body, the sides and ends of the blank being folded into contact at the corner portions of the box and said contacting portions, while in a plastic state, being welded together by a pressure sufficient to cause the material of the blank to coalesce into integral homogeneous welded unions.

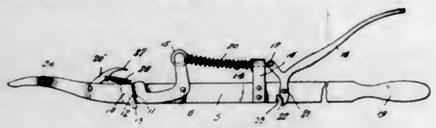


1,508,070. DENTAL SYRINGE. JOSEPH G. ROSEN, Chicago, Ill. Filed Oct. 19, 1923. Serial No. 669,489. 2 Claims. (Cl. 128—239.)



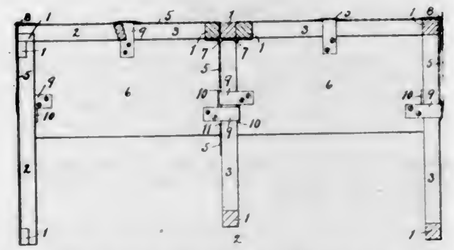
2. A syringe comprising a body having inner and outer chambers, a valve between said chambers, a spring normally holding said valve on its seat, a lever for lifting said valve, a pipe leading from one of said chambers and adapted to be connected to a source of water supply, a nozzle communicating with the other chamber, means for gradually feeding a solid chemical to said other chamber, a flexible diaphragm adjacent the end of said valve, and a plunger on the opposite side of said diaphragm for operating said valve.

1,508,071. WIREWORKING TOOL. FRANK R. SANDSTRUM, Dexter, Kans. Filed July 25, 1923. Serial No. 653,647. 1 Claim. (Cl. 140—123.6.)



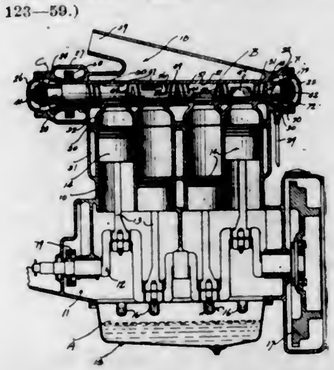
An implement of the class described comprising a handle member, a pair of spaced parallel wire clamping members pivoted to the handle member at opposite sides of the latter, said handle member projecting forwardly beyond said clamping members and having rigid jaws upon opposite sides of its projecting portion to form shoulders cooperating with the forward ends of said clamping members to produce wire clamps at opposite sides of the handle, the projecting portion of the handle being bifurcated, and a pivotal wire clamping member mounted in the bifurcation of the handle, and a fixed jaw member mounted in the bifurcation of the handle member forwardly of said pivotal wire clamping member and cooperating with the latter to provide a forward wire clamp, said pair of parallel clamping members being of bell crank form in elevation and connected at their rear ends by means of a circular connection, a guide fixed upon the handle member rearwardly of said pair of clamping members, a link slidable through said guide and having its forward end pivotally engaged with the circular connecting member, a spring encircling said link between the guide and a pair of clamping members for normally maintaining the latter in clamping position, and an angular lever pivoted to the handle member and to the link rearwardly of the guide and adapted to be grasped by one hand of the operator together with the adjacent portion of the handle member for releasing said pair of clamping members against the action of said spring.

1,508,072. FOLDING BOOTH. ALBERT M. SCHAPPA and ROBERT GOWDY, Westfield, Mass., assignors to The Planet Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 5, 1920. Serial No. 414,737. 1 Claim. (Cl. 20—3.)



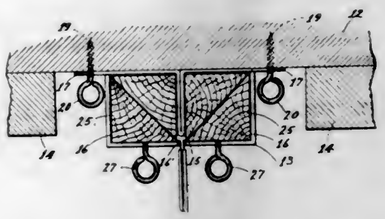
A folding booth comprising an intermediate frame, a pair of back frames hinged thereto and adapted to fold against opposite faces of said intermediate frame when collapsed, end frames hinged respectively to said back frames and adapted to fold against the outer faces of the latter upon being collapsed, each of said frames consisting in part of vertical and horizontal rails, panels secured to portions of said frames, the panel on said intermediate frame being slotted at a predetermined point therein, removable shelves provided with slots in the end edges thereof, said slots being arranged out of longitudinal alignment with respect to one another, and hook members secured to said shelves and extending beyond the end and rear edges thereof adapted for engagement with certain of the horizontal rails of said frames to lock the latter in set-up and extended position, the end hooks being arranged in offset relationship but in longitudinal alignment with the opposite end slots, and the inner opposed end hooks of said shelves being adapted for disposition through the slot in the panel to permit said hooks when positioned on the intermediate frame to be received in the slots of the contiguous shelves.

1,508,073. LUBRICATING SYSTEM FOR ROTARY-VALVE MOTORS. HERBERT SCHEEL, St. Louis, Mo. Filed Oct. 8, 1921. Serial No. 506,446. 8 Claims. (Cl. 123—59.)



1. In an internal combustion engine having cylinders and inlet and exhaust passageways, a rotary valve having intake and exhaust ports therein and a passageway extending longitudinally therethrough, adjustable anti-friction means supporting said rotary valve at the ends thereof within the engine, means providing an enclosed compartment at each end of said rotary valve within which said anti-friction means are disposed, said compartment being in communication with said passageway of said valve, and means for directing lubricant through said valve passageway and said compartments over said anti-friction means.

1,508,074. WINDOW SCREEN. MARGARET SMITH, Owen Sound, Ontario, Canada. Filed Sept. 5, 1922. Serial No. 586,297. 5 Claims. (Cl. 156—38.)



2. An adjustable sectional screen comprising supporting and guiding members adapted for detachable mounting on window casing; said supporting and guiding members being formed with parallel pockets of rectangular form in end elevation and having a common opening at their inner connecting corners; screen sections arranged in upper and lower pairs having their meeting vertical edges overlapped whereby said sections may slide upon one another; said sections having outer vertical frame members arranged for sliding engagement in said pockets of the supporting and guiding members; said upper and lower pairs of screen sections being adjustable vertically of the window and independently of one another; and means for securing said pairs of screen sections in adjusted position within said supporting and guiding members.

1,508,075. COMBINATION FLATIRON SUPPORT AND HOT-WATER BOTTLE. ANTON R. STEFANIK, Milwaukee, Wis. Filed Mar. 18, 1921. Serial No. 453,246. 1 Claim. (Cl. 68—27.)

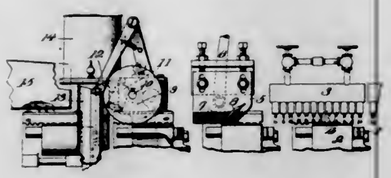


A flat iron support and hot water bottle comprising a circular member having spaced upper and lower walls, a threaded filling sleeve opening into said member, a closure cap internally threaded and adapted to be screwed upon said sleeve, said cap having a vent adapted to be uncovered when said cap is partially unscrewed from said sleeve, the upper wall having a plurality of ribs thereon.

1,508,076. PROCESS OF SOLDERING METAL PARTS. WILLIAM J. TAYLOR, Jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 30, 1922. Serial No. 572,061. 1 Claim. (Cl. 113—112.)

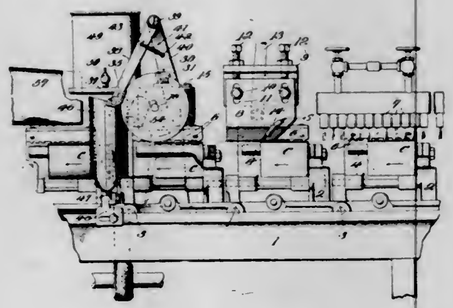
The process of soldering the side seam of a metal can body comprising moving said side seam of the can body into contact with means for applying molten solder thereto, causing a heated member having capillary attraction for solder to contact with the seam while the solder is still molten, and rotating said heated member in a di-

rection opposed to the direction of travel of said can body, whereby said rotating member is given a sliding contact with the metal parts for aiding in the distribu-



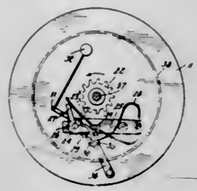
tion of the solder, bonding the metal parts to the seams, and recovering the surplus solder taken up by said rotating member.

1,508,077. SOLDERING MACHINE. WILLIAM J. TAYLOR, Jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 30, 1922. Serial No. 572,062. 14 Claims. (Cl. 113—97.)



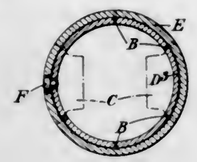
1. A soldering machine including in combination, means for moving the can bodies endwise through the machine, means for applying solder to the side seam, an auxiliary disk disposed so as to make contact with the side seam, means for rotating said disk at the point of contact in a direction opposed to the direction of travel of the can body, whereby said disk distributes the solder and takes up by adhesion the surplus solder.

1,508,078. FISHING REEL. JOSEPH TIMKO, New York, N. Y. Filed Nov. 24, 1922. Serial No. 602,981. 4 Claims. (Cl. 242—84.6.)



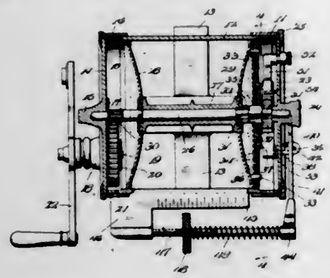
1. A fishing reel, comprising a rotating member for the line, a relatively fixed element rotatably supporting said member, a ratchet wheel attached to said rotating member, a click co-operating with said wheel mounted on said fixed element, an audible signal operated by said click, and means capable of rendering said audible signal inoperative without disturbing the operative position of said click relative to said ratchet wheel.

1,508,079. PISTON. ARCHIBALD HENRY MONTGOMERY JOHN WARD, Mereworth, near Maidstone, England. Filed Mar. 31, 1924. Serial No. 703,222. 6 Claims. (Cl. 74—108.)



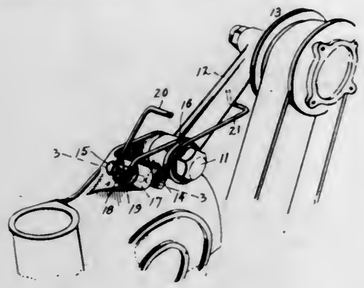
1. The combination with an engine piston of a split bearing ring thereon which has a clearance from the piston on the nonpressure faces only of the piston.

1,508,080. FISHING REEL. HURON D. WISE, Huntley, Minn. Filed Aug. 16, 1923. Serial No. 657,794. 2 Claims. (Cl. 242—84.7.)



1. A fishing reel including a frame, a spindle journaled thereon, means for rotating the spindle, a spool journaled upon the spindle, a clutch forming a driving connection between the spindle and the spool whereby the spool may turn independently of the spindle, a lever mounted upon the frame to coact with the clutch for tightening the clutch, a spring pressing the lever against the clutch, and means for adjustably tensioning said spring.

1,508,081. FAN-BELT TIGHTENER. TAT H. BEAN, Amarillo, Tex. Filed Nov. 17, 1923. Serial No. 675,303. 2 Claims. (Cl. 267—1.)



1. The combination with the swinging fan pulley arm of a Ford engine and the arm adjusting screw thereof of a spring secured in place by said screw and having means to engage said arm, the spring having a stop member to limit the movement of said arm in the direction which the spring tends to move it.

1,508,082. GAME RACK. LOUIS BOEFFLER, Oakland, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Dec. 8, 1923. Serial No. 679,352. 7 Claims. (Cl. 46—55.)

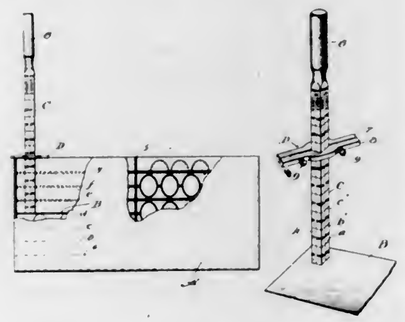


1. A game rack comprising a sheet of fibrous material folded into prismatic form, and means for holding the sheet in folded position.

1,508,083. MANUFACTURE OF STEEL. FRANK E. CLARK, New York, N. Y. Filed Dec. 16, 1920. Serial No. 431,294. 4 Claims. (Cl. 75—27.)

1. In the making of steel the process which comprises holding it molten on a basic hearth under a highly siliceous deoxidizing slag and replacing said deoxidizing slag by a slag lower in silica.

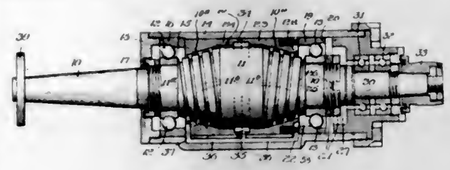
1,508,084. EGG GAUGE. OLIVER D. COLLIS, Clinton, Iowa, assignor to The Collis Company, Clinton, Iowa, a Corporation of Iowa. Filed Mar. 29, 1922. Serial No. 547,624. 3 Claims. (Cl. 33—143.)



1. A gauge for determining the number of eggs contained in a case, said eggs being arranged in layers, alternate ones of which have each the same number of eggs therein, which number differs from the number in the intermediate layers, said gauge comprising a post having means at its lower end adapted to rest upon the topmost layer of eggs contained within the case, and a cross head extending laterally from the post and adjustable thereupon for resting upon the upper edge of the case, there being spaced graduations on the post adjacent one of which the cross head will lie when rested upon the case edge, the spacing and marking of the graduations being such as to indicate both the number of eggs contained in the topmost layer during any stage of the packing operation, and also the total number of eggs contained in all of the layers below the gauge, substantially as described.

1,508,085. SPEED SHAFT. SIDNEY R. COOPER, Chicago, Ill., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1921. Serial No. 489,938. 7 Claims. (Cl. 64—47.)

1. In combination, a shaft having an enlarged center, a radial bearing on each side of and independent of said enlarged center, a housing closely surrounding said center whereby an oil film may be maintained between the



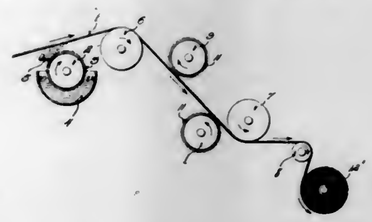
center and housing to steady the shaft, and spiral grooves on said center for forcing oil into the space between the center and housing.

1,508,086. ROTARY FAN. RALPH F. CRAWFORD, Salina, Kans. Filed July 2, 1923. Serial No. 649,072. 4 Claims. (Cl. 170—159.)



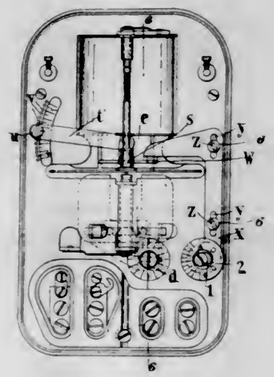
1. In a rotary fan, radial blades having each a forward portion having an angular relation to the axial line of the fan, and a rear portion including the balance of the blade and approximately equal in extent to said forward portion and having the major part thereof disposed in an arc subtending an angle equal to that subtended by said forward portion and said axial line.

1,508,087. PROCESS FOR TREATING PAPER. DAVID B. DAVIES, Green Bay, Wis. Filed Nov. 22, 1923. Serial No. 676,322. 5 Claims. (Cl. 92—68.)



1. The process of teaseling paper which comprises supplying the paper with a predetermined amount of moistener, and producing a fuzz upon the paper after it has been moistened by striking a large number of spaced points along the surface of the paper.

1,508,088. ELECTRICITY METER. SEBASTIAN ZIANI DE FERRANTI and GEORGE WALL, Hollinwood, England, assignors to Ferranti, Limited, Hollinwood, England. Filed Jan. 21, 1921. Serial No. 439,008. 5 Claims. (Cl. 171—264.)

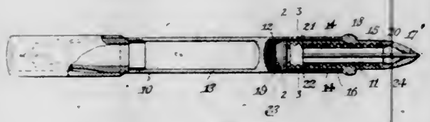


4. Means for adjusting the full load setting of an electrical instrument including a movable electro-magnet mounted in proximity to a rotatable conducting member, and means for rocking said electro-magnet about a fixed axis in a direction substantially at right angles to the plane of the conducting member.

1,508,089. PREPARATION OF PLATES FOR PRINTING BY GREASY INK. MARIANO DE SPERATI, Turin, Italy. Filed Nov. 2, 1922. Serial No. 598,676. 12 Claims. (Cl. 95—5.4.)

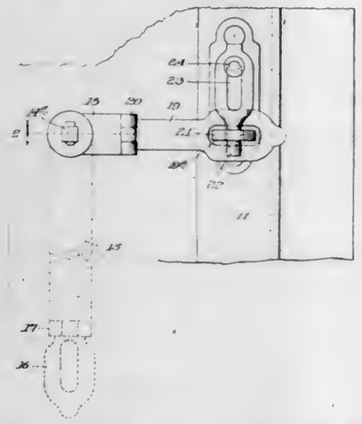
1. A method of producing plates for printing with greasy ink, consisting in exposing, developing and fixing a gelatino-silver haloid sensitized layer to obtain an image thereon, sensitizing said layer by a bath of an alkali bichromate, exposing the layer to light from the back to render insoluble the bichromated gelatin in the zones acted on by the light during such exposure, washing said layer and treating it with a substance adapted to convert the silver contained in said image into a compound having a light colour.

1,508,090. WRITING INSTRUMENTALITY. ALBERT L. DETRICK, Jersey City, N. J. Filed Nov. 4, 1922. Serial No. 599,096. 2 Claims. (Cl. 120—18.)



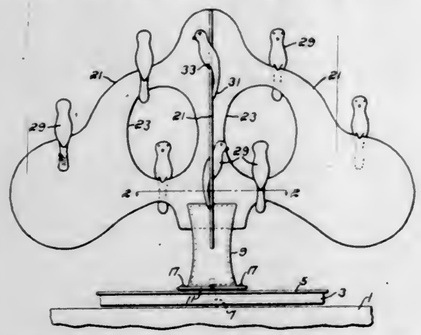
1. A writing instrumentality comprising a pen-holder having a hollow end, a pencil having a head at one end which is insertable into said hollow end, means embodied by said hollow end and said head for holding said head against turning, spaced guides carried by said head, a lead pusher movable between said guides, a barrel capable of being turnably carried by said hollow end, and means between the barrel and the lead pusher for effecting the movement of said lead pusher.

1,508,091. DOOR FASTENING. HARRY F. DIESEL, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 683,664. 3 Claims. (Cl. 292—281.)



1. In combination, a door, a pin journalled therein, a bar secured to each end of said pin, said bars being set at different angular positions with respect to the axis of said pin, staples secured to the jamb of the door, hasps carried by said bars whereby one or the other of said hasps may selectively engage a staple while the other hasp is held out of engagement with its staple, and means for securing said hasps on said staples.

1,508,092. GAME. MARION A. DOWNES, West Roxbury, Mass. Filed Mar. 9, 1923. Serial No. 623,963. 10 Claims. (Cl. 124—16.)



1. The combination with a phonograph turntable, of a device to be rotated, said device having one or more vanes for causing atmospheric resistance to rotation thereof, and a roller support for said device for causing rotation of said turntable or of a record placed on said turntable to be transmited to said device and permiting relative rotation between said device and said turntable or record.

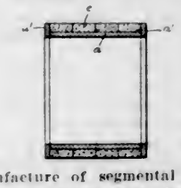
1,508,093. GRAPHOPHONE MOTOR. OSCAR P. ERHARDT, West Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 15, 1918. Serial No. 222,648. 9 Claims. (Cl. 74—26.)

1. In combination, a phonograph turntable and a motor for driving the same and means for supporting the motor

with the pulley thereof in contact with the upper surface of the turntable, including a substantially U-shaped supporting base having standards rising from the legs thereof, and a motor mounted on said standards.

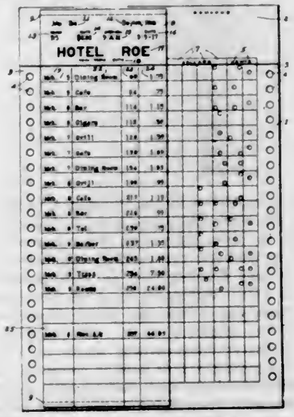


1,508,094. PRODUCTION OF FRICTION DISKS, WASHERS, BRAKE LININGS, AND THE LIKE. ALEXANDER MILLER FENTON and THOMAS HENRY CROWTHER, Cleckheaton, England, assignors to Scandinavia Belting, Limited, London, England. Original application filed Dec. 9, 1921, Serial No. 521,243. Divided and this application filed May 9, 1923. Serial No. 637,888. 2 Claims. (Cl. 91—68.)



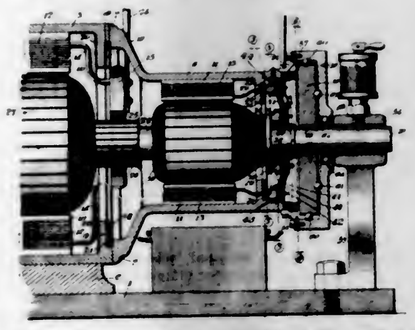
1. The manufacture of segmental linings for use as friction surfaces in brake-shoes, brake-straps and the like, by forming, upon a bobbin or drum furnished with co-axial retaining plates, a winding of fibrous material composed of yarn, impregnated with a suitable binding agent, drying and hardening the wound mass, cutting the same into rings of the required width and the latter into segments of the required length.

1,508,095. COMBINED RECORD SHEET AND RECEIPT. FREDERICK LINCOLN FULLER, Bridgeport, Conn., assignor to The National Cash Register Company, Dayton, Ohio. Filed May 5, 1919. Serial No. 294,841. 14 Claims. (Cl. 282—27.)



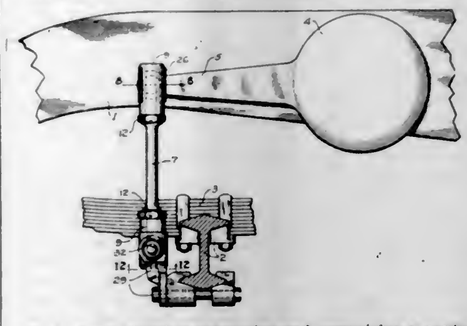
1. A combined record sheet and receipt comprising a member capable of being perforated, aligning means, a portion of said member being spaced with regard to said aligning means whereby it is capable of being perforated in definite parts of any desired space whereby the identity of the perforations may be determined, another portion thereon for the reception of itemized transactions in writing, a receipt form and means detachably connecting the same to said sheet.

1,508,096. ELECTRIC MOTOR GENERATOR. WILLIAM ROBERT GARNER, Erie, Pa. Filed Nov. 26, 1919. Serial No. 340,787. 13 Claims. (Cl. 173—36.)



3. The combination, of a stationary shell, with a peripherally flanged main wheel, with means by which it is secured to the shell, and a rotating armature shaft disposed longitudinally of the shell, with an auxiliary wheel keyed thereon, between the end of the shell and the main wheel, with suitably disposed anti-friction means for sustaining end and peripheral thrusts.

1,508,097. SHOCK-ABSORBER CONNECTING ROD. ROBERT H. HASSLER, Indianapolis, Ind. Filed Oct. 16, 1922. Serial No. 594,921. 2 Claims. (Cl. 267—9.)

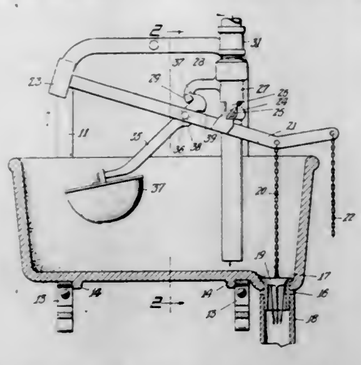


1. A shock absorber connecting rod comprising a center rod having threaded end portions engaging threaded thimble members, said thimble members forming housings for ball joints of which the ball members are adapted to be secured to a vehicle frame and axle respectively, and means for locking said thimbles in their respective operative positions.

1,508,098. FLUSHING CISTERN. FERDINAND HASTRICH, Camperdown, near Sydney, New South Wales, Australia. Filed Oct. 22, 1923. Serial No. 670,147. 2 Claims. (Cl. 4—41.)

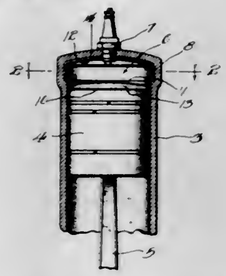
1. In a flushing cistern, a service valve, a flush release valve, a pull lever, a cam-shaped lug carried by said lever and pivotally mounted on and adapted to operate said service valve, an operating member carried by one end of said lever, means connecting said end of the lever with the flush release valve, a counterweight carried by the

opposite end of said lever, a trip lever pivoted directly to said pull lever, a stationary lug, a latch carried by one end of the trip lever engageable with the stationary lug to maintain the second mentioned end of the pull lever in elevated position, and a float carried by the opposite



end of the trip lever adapted, when the water in the cistern attains a predetermined level, to swing said trip lever relative to the pull lever whereby to disengage the latch from the lug and permit the second mentioned end of the pull lever to descend.

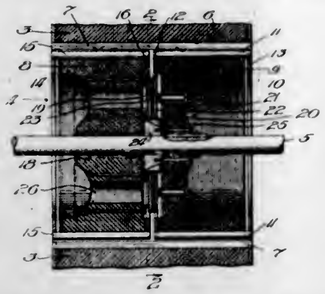
1,508,099. INTERNAL-COMBUSTION ENGINE AND THE LIKE. JOHN B. HAWLEY, Jr., Colorado Springs, Colo. Filed Feb. 28, 1923. Serial No. 621,737. 7 Claims. (Cl. 123—191.)



1. The combination with the piston head and the walls and roof of the combustion chamber of an internal combustion engine, of a backing of plaster of Paris or the like substantially one-fourth inch thick on said surfaces, a coating of brass or the like substantially ten thousandths of an inch thick on said plaster of Paris backing, and a coating of silver or the like on the exposed surfaces of said brass or the like, whereby there is established a relatively thin covering of brass or the like for each of said surfaces attached thereto over substantially all of said surfaces and yieldable with respect to said surfaces with changes of temperature, and whereby said silver coating serves effectively to prevent adhesion of carbon to said surfaces, substantially as described.

1,508,100. INDUCTION MOTOR AND THE LIKE. JOHN B. HAWLEY, Jr., Colorado Springs, Colo. Filed Mar. 14, 1923. Serial No. 624,941. 4 Claims. (Cl. 172—120.)

2. In an induction motor, the combination with a stator adapted to generate a rotating magnetic field, of a shaft extending longitudinally therethrough, two independent squirrel cage rotor sections mounted on the shaft and within the stator and subject to the magnetic influence of the stator, a rigid driving connection from one of said rotor sections to the shaft, and a non-rigid driving connection between the other rotor section and the shaft permitting said rotor section to turn with

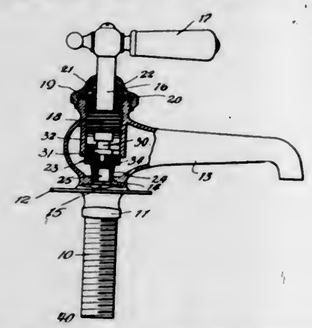


respect to the shaft when subjected to more than normal full load torque and preventing such turning when said rotor section is not subjected to more than normal full load torque, substantially as described.

1,508,101. METHOD OF SINTERING FINE ORES AND THE LIKE. ANDERS HOLMBERG, Stockholm, Sweden, assignor to Allmanna Ingeniorsbyran H. G. Torulf, Stockholm, Sweden. Filed Jan. 22, 1923. Serial No. 614,292. 1 Claim. (Cl. 75—17.)

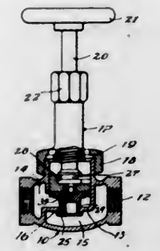
Method of sintering fine ores in sintering pans, consisting in charging the sintering pan with layers of ore containing different percentages of fuel in such manner that the fuel gradually decreases from the top to the bottom, igniting the charge at the upper surface and combusting the fuel by a downwardly induced current of air.

1,508,102. VALVE AND THE LIKE. EDWARD E. HOLT, Chicago, Ill., assignor to Holt Auto Devices Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,424. 7 Claims. (Cl. 251—27.)



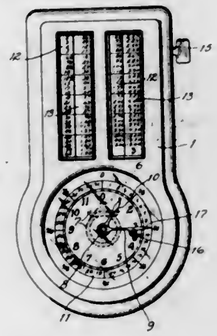
1. A faucet comprising in combination a vertical water connection, a chamber above the same, a horizontally extending spout in connection with said chamber, a horizontal partition between the vertical connection and the chamber, a central circular port in said partition, said port having a valve seat tapering from the chamber to the water connection, a circular guide depending downwards within the chamber above the position of said port and terminating substantially above the position of the partition to permit a free flow of water to the spout, a stem extending upwardly from the chamber, an operating handle thereon, said stem being screw threaded with respect to the upper portion of the chamber whereby rotation of the stem raises or lowers it, and a valve plug in conjunction with the lower end of said stem and operable thereby towards and from the valve seat aforesaid, said plug including an upper cylindrical portion working within the circular guide and guided thereby, a swivel connection between the upper portion of the plug and the stem, and a circular tapered flange on the lower end of the plug adapted to wedge into and seal against the tapered valve seat aforesaid when the stem is forced downwards, substantially as described.

1,508,103. VALVE AND THE LIKE. EDWARD E. HOLT, Chicago, Ill., assignor to Holt Auto Devices Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,425. 7 Claims. (Cl. 251—159.)



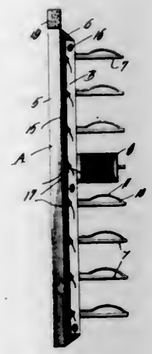
1. A valve including in combination a partition having a circular tapered port, a stem in alignment with said port, a circular valve plug, and a circular guide partition surrounding the stem and plug and of size to guide the plug in its movements towards and from the port, the plug including in combination a metal base block having in its upper face a profiled groove for the swivel and removable connection therewith of the lower end of the stem, and also being provided with a central through perforation, and a flange element of Monel metal having a central neck extending through the perforation of the base block and riveted thereinto, and having a circular tapering flange to seat into the port in wedging fashion, substantially as described.

1,508,104. REMNANT-INDICATING POINTER FOR MEASURING MACHINES. GREENE CARLTON HOSCH, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 30, 1922. Serial No. 548,244. 2 Claims. (Cl. 33—133.)



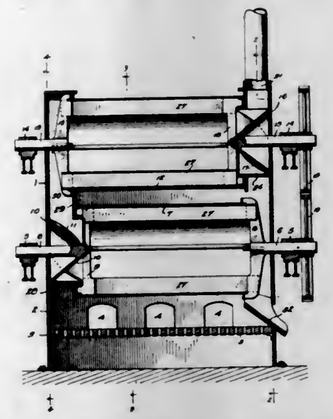
1. In a machine for measuring the length of remnants, or of fabric pulled from a roll and having a measuring roller, and a marker for the measured fabric located beyond said roller in the direction of the pull of the fabric, the combination of a length indicating scale, a pointer movable over said scale for indicating the length of a piece of fabric drawn from a roll, and an auxiliary pointer fast with said pointer and having its indicating point located at a distance from the indicating point of said pointer to represent a plus measurement to the amount indicated by said pointer corresponding to the distance between the axis of said roller and said marker.

1,508,105. THREAD HOLDER. ANNA M. KAMLA, Glasgow, Mont. Filed July 31, 1923. Serial No. 654,944. 5 Claims. (Cl. 242—139.)



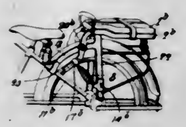
1. A spool holder comprising an elongated rectangular shaped base plate, a pair of longitudinally extending rows of outstanding spindles carried by one face of the base plate for receiving spools of thread, and thread cutters carried by the longitudinal edges of the base plate adjacent to each spindle.

1,508,106. DRIER. CLOYD E. LEECH, FRANK O. SEIDELL, and JOSEPH H. BENSON, Lima, Ohio. Filed June 5, 1922. Serial No. 565,800. 7 Claims. (Cl. 34—5.)



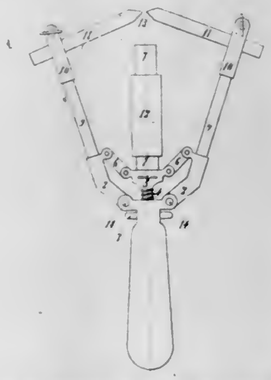
4. In a device of the character described, a casing, a pair of revolving drums mounted in said casing, an inlet compartment adjacent one end of one of the drums, a receiving compartment arranged between the other end of said first named drum and the inlet end of the other of said drums, cones arranged in said inlet compartment and said receiving compartment to deliver material to said drums, means for heating said drums, a stack communicating with said inlet compartment, and means for delivering material to said inlet compartment.

1,508,107. DEVICE FOR TANDEM SEATS FOR MOTOR CYCLES. JENS LILLESØE, Holte, Denmark. Filed Sept. 3, 1921. Serial No. 498,524. 5 Claims. (Cl. 208—24.)



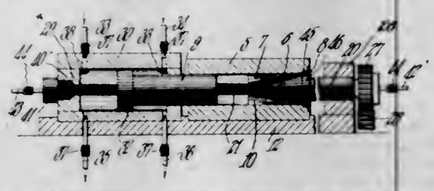
1. In passenger seats for motor-cycles, a bottom frame adapted to be connected to a motor-cycle, a top frame provided with double armed levers pivotally connected to said bottom frame, a spring arranged between one of said levers and the bottom frame, means for adjustably connecting one end of said spring to one arm of the lever, and adjustable means for connecting the other end of said spring to the bottom frame.

1,508,108. SOLDERING OR WELDING TOOL. LAMBERTO LOMBARDI, Rome, Italy. Filed Apr. 21, 1923. Serial No. 633,813. 3 Claims. (Cl. 219—8.)



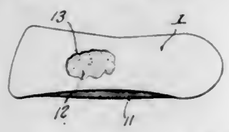
1. A tool for welding or soldering comprising a handle adapted to be gripped by the operator, arms pivotally connected to the handle and provided at their ends with clamps, electrodes secured in said clamps and having their points arranged in close proximity to each other, an electro-magnet arranged between said arms and movable axially toward and away from the points of the electrodes, and a single means for simultaneously adjusting the points of the electrodes toward and away from each other and for moving the electro-magnet toward and away from said points.

1,508,109. MIXING MACHINE. EARLE C. LOVEJOY, Springfield, Mass. Filed Oct. 2, 1922. Serial No. 591,899. 13 Claims. (Cl. 18—2.)



1. In a machine for operating upon viscous material, a receptacle for the material to be operated upon, provided with an outlet port for said material, a driven roll within said receptacle for acting upon the material therein said roll providing a tapering mixing passage for said material, and means for applying pressure to said material while being acted upon by said roll, said outlet port being arranged at one end of said roll and in alinement with the direction of the forces derived from said pressure applying means that the material will be discharged through said port immediately after being acted upon by said roll.

1,508,110. ARCH SUPPORTER. ABRAHAM MAYER, Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,031. 1 Claim. (Cl. 18—48.)



The method of making waterproof, resilient arch supports comprising thoroughly mixing ground cork with rubber cement into a free plastic mass, roughly molding this freely plastic mass to the approximate contour of an arch support, allowing the roughly moulded mass to nearly set, moulding the nearly set mass under pressure to the exact contour of the arch support, and allowing complete setting to occur while the material is in the exact contour.

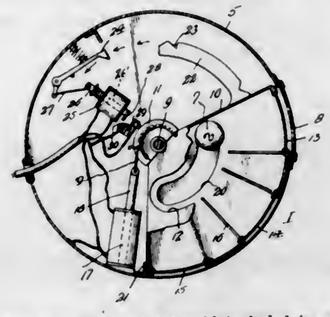
1,508,111. ARTIFICIAL BAIT. HENRY MEYER, Clinton, Ind. Filed Jan. 29, 1923. Serial No. 615,605. 4 Claims. (Cl. 43—39.)



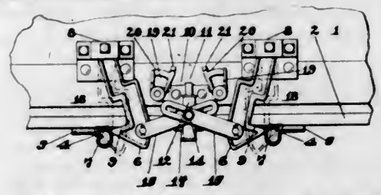
1. A weedless fish bait comprising a tubular collapsible body, open from end to end, a rigid bushing extending through said opening and forming a chamber within said body between the opposed walls of said body and bushing, and a hook inserted through said bushing and prevented against longitudinal movement therein, the prongs of said hook extended outwardly from the center and reversely bent to lie closely adjacent the exterior of said body below its greatest diameter.

1,508,112. MOTION-SIGNAL AND REAR-VIEW LIGHT FOR MOTOR VEHICLES. LEANDER MICHAELSON, Dollar Bay, Mich. Filed Oct. 11, 1923. Serial No. 667,951. 1 Claim. (Cl. 177—327.)

In a motion and rear view signal for motor vehicles, a casing, a segmental hollow signal element pivotally mounted for vertical swinging movement within the casing, a solenoid mounted within the casing and operatively connected to said signal element for raising the latter, latch means normally operative to arrest upward swinging movement of the signal element to an intermediate motion indicating position, a second solenoid within the casing operatively connected to said latch means for releasing the latter to allow the signalling element to swing to its extreme upper position, means to cause illumination in the rear of the vehicle upon movement of said signal element to its uppermost position, means operated by the second named solenoid upon energizing the same for completing the circuit to said first named solenoid, said first named solenoid being included in a circuit embodying a normally opened switch adapted to be closed upon movement of the gear shift lever of a motor vehicle to any of its forward speed positions, the circuit of said first named solenoid further including a normally closed switch adapted to be opened upon operation of the brake applying pedals of the motor vehicle, said second named solenoid included in a circuit including a normally opened switch which is adapted to be closed upon movement of the gear shift lever to reverse gear position.

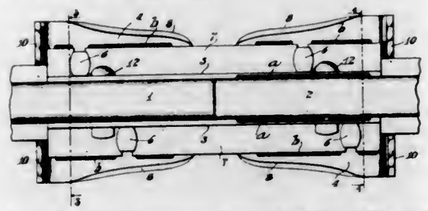


1,508,113. DOOR-OPERATING MECHANISM. FRANK E. MILLER, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 29, 1922. Serial No. 603,979. 21 Claims. (Cl. 105—308.)



1. In a dump car, a discharge door, a plurality of spaced members movable into and out of supporting positions with said door, and slidable means arranged between said members, for moving said members out of supporting positions with said door, simultaneously.

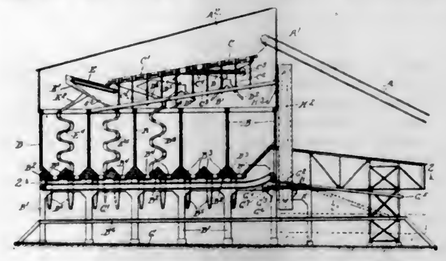
1,508,114. RAIL JOINT. JOHN ROSCOE MILLWARD, Tenafly, N. J. Filed Jan. 7, 1922. Serial No. 527,640. 8 Claims. (Cl. 235—164.)



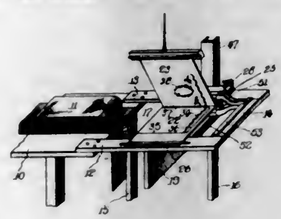
2. A rail joint structure comprising the rails, oppositely positioned splice bars connecting the rail ends and a base plate underlying a portion of the splice bars, each of the splice bars being connected to one rail end only and to the base plate by a welding operation.

1,508,115. APPARATUS FOR LOADING COAL. FRANK E. MUELLER, Chicago, Ill., assignor to Roberts and Schaefer Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1922. Serial No. 580,051. 14 Claims. (Cl. 214—16.)

1. In a material handling installation adapted to be aligned along and above a railroad track, a plurality of storage bins longitudinally aligned above said track, material feeding means in the bottom of each of said bins, a substantially horizontal conveyor aligned beneath said bins and feeding means and adapted to receive material from all of them, a loading boom adjacent one end of said horizontal conveyor and adapted to receive material therefrom and means for raising and lowering said boom.

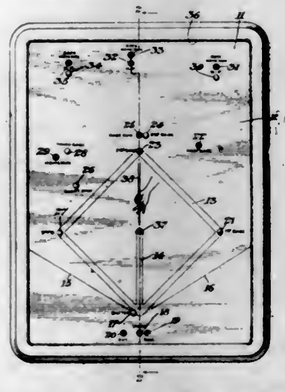


1,508,116. STENCILING MACHINE. STANLEY MANTUS, Oak Park, Ill. Filed Sept. 19, 1921. Serial No. 501,574. 32 Claims. (Cl. 101—123.)



1. In a stenciling machine, the combination of a pair of stencils, one of which is adapted to swing with respect to the other to permit an article to be stenciled to be arranged between them, and an inking device cooperating with said stencils to apply the designs of said stencils upon opposite sides of the article to be stenciled.

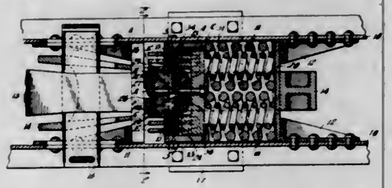
1,508,117. GAME APPARATUS. WILLIAM F. NIEMEYER, Brooklyn, N. Y., assignor of one-half to Thomas J. Shearer, Brooklyn, N. Y. Filed Mar. 17, 1923. Serial No. 625,726. 2 Claims. (Cl. 46—61.)



1. A game apparatus comprising a board having a playing surface representing a baseball diamond thereon, a peg fixed in position at the home plate, and recesses or pockets in the playing surface behind the said peg

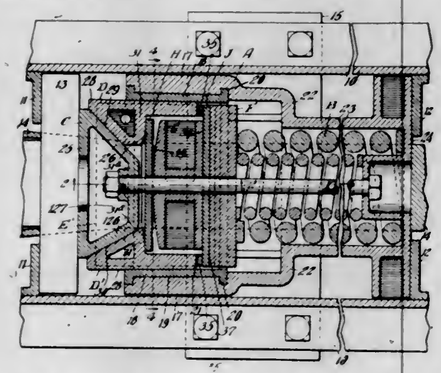
in such positions that a ball struck by a cue in the hands of a player and moved from a position designating the pitcher's box must just clear the said peg on one side to be lodged in one of the said pockets and must just clear the peg on the other side to be lodged in another of the said pockets.

1,508,118. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 8, 1921. Serial No. 499,207. Renewed Apr. 10, 1924. 10 Claims. (Cl. 213—33.)



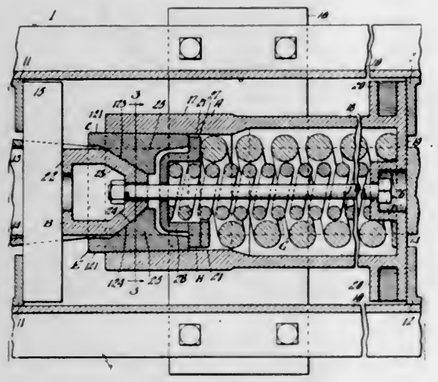
1. In a friction shock absorbing mechanism, the combination with a column-load-sustaining member; of a plurality of relatively stationary friction elements anchored to said member against movement longitudinally thereof but responsive to transversely applied pressure; a plurality of relatively longitudinally movable friction elements intercalated with said stationary elements; a spring resistance; and a pressure-transmitting and transverse-pressure-creating system cooperable with said intercalated friction elements, said system including, a plurality of cooperable wedge elements having cooperating sets of faces, certain of which are inclined at a wedge-acting angle and certain at a non-wedge-acting angle with respect to actuating forces applied substantially parallel to the line of movement of the wedge system relatively to said member and one of said elements being provided with both wedge acting and non-wedge-acting faces and being adapted to receive the actuating forces, said sets of faces on the wedge elements acting reversely during release under forces exerted transversely from the intercalated friction elements.

1,508,119. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 7, 1922. Serial No. 580,008. 9 Claims. (Cl. 213—32.)



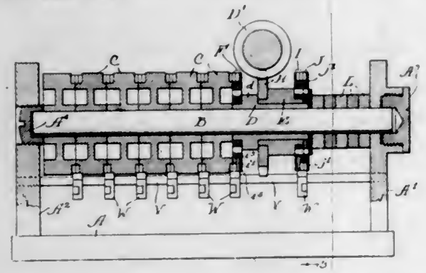
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of opposed friction shoes cooperable directly with said shell friction surfaces; pressure-receiving and transmitting wedging means extended between the shoes, said means and shoe on one side of the axis of the shell having engaging faces extending at a keen angle with respect to said axis, said means and opposed shoe on the other side of said axis having cooperating faces inclined at a blunt relensing angle with respect to said axis; a spring resistance; and means interposed between said spring resistance and the shoes for automatically balancing the spring pressure on the shoes.

1,508,120. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 10, 1923. Serial No. 673,875. 10 Claims. (Cl. 213—32.)



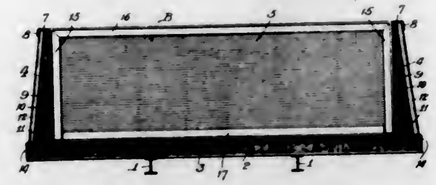
2. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of diametrically opposed pairs of friction shoes within the shell, each of said shoes being provided with a wedge face, and the wedge face of one shoe of each diametrically opposed pair being keener than the wedge face of the opposed shoe; a spring resistance; and spreader means having a plurality of wedge faces, each face thereof cooperating with the face on one of said shoes.

1,508,121. REVOLUTION COUNTER. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 2, 1922. Serial No. 565,501. 5 Claims. (Cl. 235—123.)



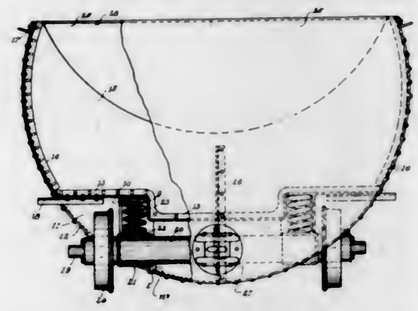
1. A revolution counter comprising a standard and a main shaft or axle supported thereon for carrying the counter wheels rotatably side by side on said shaft; a sleeve on said shaft; an initial mutilated speed-reducing gear rigid as to rotation with said sleeve at the end thereof adjacent to the initial counter wheel; a reduced-speed gear fast on the other end of said sleeve; a second sleeve rotatively mounted on the first mentioned sleeve and longitudinally stopped thereon; a prime driven gear rigid as to rotation with said second sleeve proximate to the first mentioned mutilated or speed-reducing gear of the first sleeve, and a speed-reducing or mutilated gear fast on the other end of said second sleeve.

1,508,122. VEHICLE BODY. JACOB H. PRESS, Chicago, Ill., assignor to Jacob Press Sons, Chicago, Ill. Filed Oct. 4, 1920. Serial No. 414,572. 5 Claims. (Cl. 296—28.)



1. In a structure of the character stated, longitudinal supports, transverse supports resting thereon, a box structure resting on and secured to the transverse supports, a cover-plate along the sides of the box, resting on and secured to the transverse supports and bracing posts secured to the cover-plate external to the box and adapted to brace the sides of same against lateral forces, the upper edges of the sides of the box being turned over to form inverted troughs, and the upper ends of the bracing posts fitting snugly within these troughs to assist in furnishing a rigid brace for the sides of the box.

1,508,123. MINE CAR. ERSKINE RAMSAY, Birmingham, Ala. Filed Oct. 21, 1921. Serial No. 509,436. 18 Claims. (Cl. 105—364.)

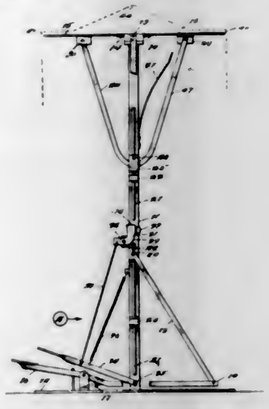


6. A car body having spaced transversely opposite openings in its bottom, axles extending transversely above the bottom and projecting through said openings, and internal members forming coverings for said openings, and housings for said axles.

1,508,124. PROCESS FOR PRODUCING MOLDED PRODUCTS. LINWOOD T. RICHARDSON, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 3, 1918. Serial No. 237,903. 12 Claims. (Cl. 18—55.)

5. The process of producing articles containing a phenolic condensation product which comprises; causing a reaction, in the present of a condensing agent, of a phenolic body and a methylene body in such proportions as to provide for combination of only substantially one-half of the phenolic body with methylene substance, mixing the product so obtained with an inert filler and with sufficient methylene substance to provide for subsequent combination of the remainder of the phenolic body, subjecting the mixture to a drying operation, cold molding the mixture and subsequently heat treating the molded product.

1,508,125. BAG-BOTTOM-FORMING MACHINE. FRANCIS T. ROBINSON, Brooklyn, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed May 26, 1923. Serial No. 641,535. 33 Claims. (Cl. 93—31.)



1. A machine for forming bottoms in formless bottom bags, comprising a standard, spreaders carried by the standard and collapsible to receive the bag, and means to move the spreaders into a position to spread the bag.

1,508,126. SHAKER RECEPTACLE. WILLIAM RULLISON, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Filed Feb. 21, 1924. Serial No. 694,256. 5 Claims. (Cl. 221—62.)

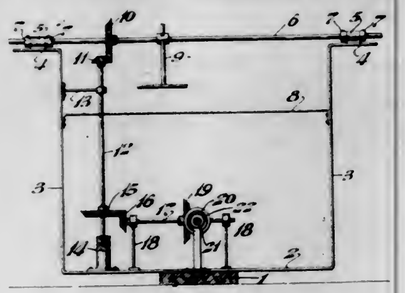


1. In a shaker receptacle, a receptacle having a perforated cover, a manually slidable plate having perforations adapted to register with the perforations in the receptacle cover, a loop-spring struck-out from the plate and depending therefrom with the free end of the spring lying in the same plane as the plate, and guide arms on said plate inclosing and cooperating with the free end of the spring to constitute a guide for the plate.

1,508,127. BOAT-PROPELLING MECHANISM. VINCENZO RULLO, Eddystone, Pa. Filed Jan. 14, 1921. Serial No. 437,328. 3 Claims. (Cl. 115—24.)

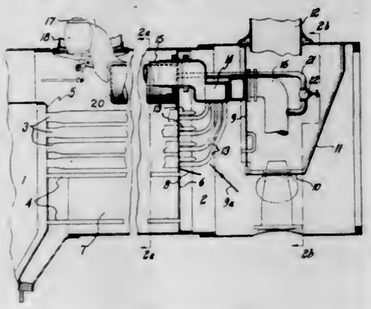
1. In a boat propelling mechanism, a power operated upper shaft, a vertical shaft operated thereby, a lower bearing for said vertical shaft, into which the lower end of the latter is stepped, a lower horizontal shaft,

gearing common to the last mentioned shafts, a propeller shaft made in sections, the inner section being geared to said lower horizontal shaft and the outer pro-



peller shaft section being slidably mounted in said inner section, a propeller on the outer section of said propeller shaft, and fastening means common to said sections to enable them to rotate as a unit.

1,508,128. DRIFTING DEVICE. GILBERT E. RYDER, Leonia, N. J. Filed Feb. 28, 1922. Serial No. 539,858. 6 Claims. (Cl. 121—137.)



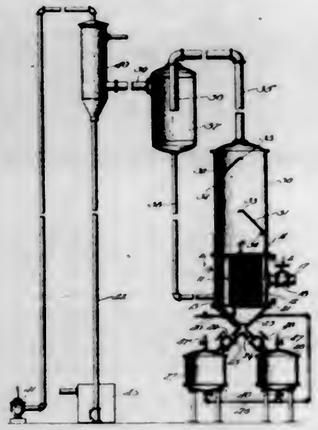
1. In a locomotive equipped with a superheater, the combination of the superheater; a dry-pipe to deliver steam from the boiler to the superheater; a steam-pipe to deliver steam from the superheater; throttling means to control the flow of steam through the dry-pipe, superheater, and steam-pipe; a closed chamber whose outer surface is in contact with the boiler contents; and a pipe through which the interior of said chamber communicates with the steam-pipe beyond the throttling means.

1,508,129. HORSESHOE CALK. OSCAR C. SANDERS, Galway, N. Y. Filed Oct. 17, 1923. Serial No. 669,141. 1 Claim. (Cl. 168—42.)



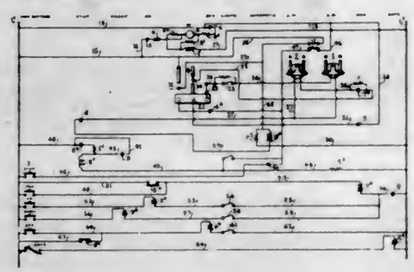
As a new article of manufacture, a calk comprising a shell including a body and a stem, said body provided with a recess and said stem being threaded throughout its internal length, a rubber section provided with a threaded pocket in the recess of said body, said threaded pocket registering with the threaded internal portion of said stem, and a cylindrical anchor section externally threaded throughout its entire length and positioned in the threaded stem and also in the threaded pocket of the rubber section, substantially as shown and described.

1,508,130. EVAPORATOR. WALTER E. SANGER, Chicago, Ill., assignor to Wurster & Sanger, Chicago, Ill., a Partnership Firm. Filed Feb. 3, 1922. Serial No. 533,780. 8 Claims. (Cl. 159—27.)



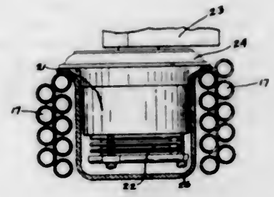
1. A calandria comprising a cylindrical casing having an arcuate partition therein for separating said calandria into two compartments, upper and lower heads closing the compartment adjacent the concave side of said partition and forming a heating chamber, tubes extending through said heating chamber and opening outside of said heads, said tubes having their axes arranged in parallel arcs, and arcuate baffle plates interposed between said tubes for directing a heating medium about the various tubes in said heating chamber, some of said baffle plates extending inwardly from the walls of said heating chamber and spaced to form a central passage while others are spaced inwardly from said walls to provide outer passages.

1,508,131. MOTOR CONTROLLER. EDWIN W. SEEGER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 11, 1922. Serial No. 593,681. 7 Claims. (Cl. 172—179.)



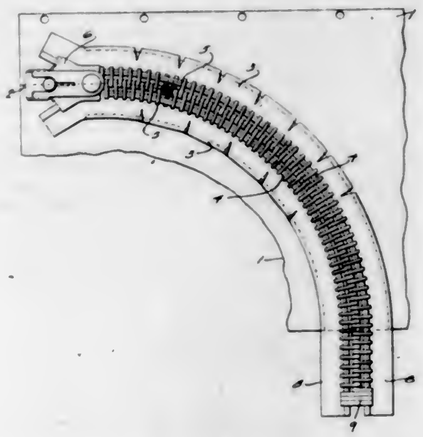
1. In a motor controller the combination with starting and stopping means including means to effect stopping upon failure of voltage and to insure against restarting pending manual operation of a part thereof, of other means including a part requiring manual operation in addition to the aforementioned manual operation to effect restarting following failure of voltage.

1,508,132. REFRIGERATION. CHARLES C. SPREEN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 26, 1923. Serial No. 653,969. 9 Claims. (Cl. 297—8.)



1. A thermostat comprising a heat conducting vessel, a heat conducting fluid having a negligible co-efficient of expansion at operating temperature and positioned within said vessel, and an element movable in response to change in temperature and immersed in said fluid.

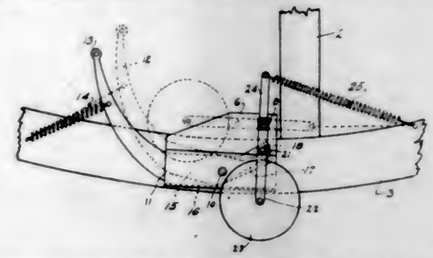
1,508,133. FASTENER. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, a Corporation of Pennsylvania. Original application filed Apr. 2, 1917, Serial No. 159,139. Divided and this application filed Aug. 15, 1921. Serial No. 492,621. 17 Claims. (Cl. 24—205.)



1. In a body having meeting edges, means secured to and distributed along the length of said respective edges for connecting the same, means movable progressively along said edges to control said connecting means, and an extension constituting in effect a continuation of said edges for receiving said movable means when said edges are disconnected, whereby to increase the separation.

1,508,134. ROLLER ATTACHMENT FOR ROCKING-CHAIRS. THOMAS B. BARNETT, Birmingham, Ala. Filed Jan. 30, 1924. Serial No. 689,550. 3 Claims. (Cl. 155—188.)

2. In a roller attachment for rocking chairs, a pair of angle brackets attached to the chair rockers, a rocker shaft mounted in said brackets and carrying rollers mounted eccentric to the shaft axis, spring means tending to hold said rollers in inoperative position, a latch pivoted to one bracket, a pin movable with the rocker shaft and adapted to be engaged and held by said latch with the rollers in operative position, and spring means to force the latch



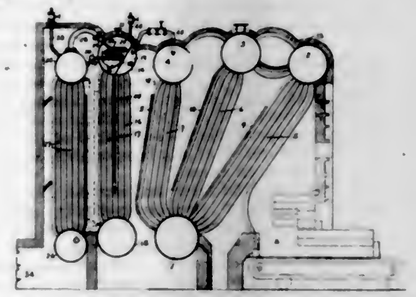
into engagement with said pin, said latch having a rearward projection convenient to be kicked up by the foot to disengage the pin, as and for the purposes described.

1,508,135. TREATMENT OF BRIGHT-SURFACED MATERIALS. HARRY BLOUNT, Oak Park, and HERBERT MORTLOCK HALLSWORTH, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1921. Serial No. 502,956. 11 Claims. (Cl. 263—6.)



1. Annealing apparatus comprising in combination containers for the articles to be annealed, an annealing tube sealed against ingress of an oxidizing atmosphere and comprising a heating chamber and a substantially dry cooling chamber co-extensive with each other, the heating chamber being provided with guides for the containers and the cooling chamber being sloped downwardly from the heating chamber to the discharge end, anti-friction rollers in said cooling chamber for the containers, and means adjacent the open end of the heating chamber for feeding said containers into and through the annealing tube.

1,508,136. ECONOMIZER. BENJAMIN BADOUD, Perth Amboy, N. J., assignor to The Super-Heater Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 29, 1920. Serial No. 377,655. 4 Claims. (Cl. 122—444.)



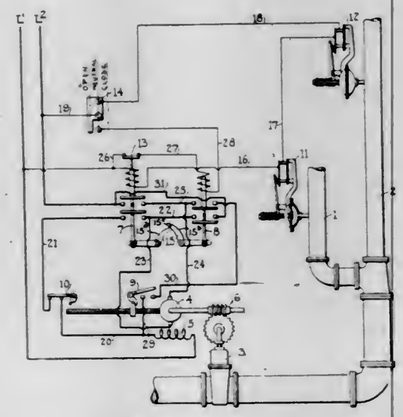
1. In apparatus of the class described, the combination of a boiler; an economizer section; means to supply feed water to it, and means to convey water from it to the boiler; a second economizer section; means to bring the waste gases from the boiler into contact first with the first and then with the second section; and means to transfer heat from the water in the second section to the feed water without mingling the two and before the feed water is heated by the gases coming into contact with the first section.

1,508,137. BUMPER. WAYNE E. DUNSTON, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Oct. 31, 1921. Serial No. 511,744. 7 Claims. (Cl. 293—55.)



2. A bumper comprising a bar having a rear section and a front or impact section comprising a pair of vertically spaced bars offset from said rear section, and a bridging clamping device secured to the said bars and extending rearwardly and secured to the said rear section.

1,508,138. CONTROLLER FOR MOTOR-OPERATED VALVES. EDWARD T. FOOTE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 8, 1920. Serial No. 364,116. 9 Claims. (Cl. 137—139.)

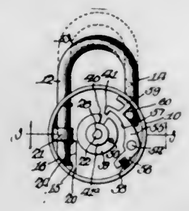


1. In a controller for a valve to be utilized in a water distribution system or the like, the combination with an operating motor for said valve, of a pair of electro-responsive switches adapted to effect line connections for said motor for operation in reverse directions respectively, manual control means for said switches, means for effecting operation of one of said switches independently of said manual means, and associated means adapted upon said independent operation of said switch to render said manual control means ineffective for control of the other switch pending restoration of said independently operated switch to its former condition.

3. In a reversing controller for electric motors in combination, a pair of electromagnetically operated switches adapted to establish line connections for the motor for operation in reverse directions respectively, one of said switches being arranged to control the energizing circuit of the other switch and voluntary control means for said switches adapted to be rendered ineffective upon extraneous interruption of the energizing circuit of said former switch.

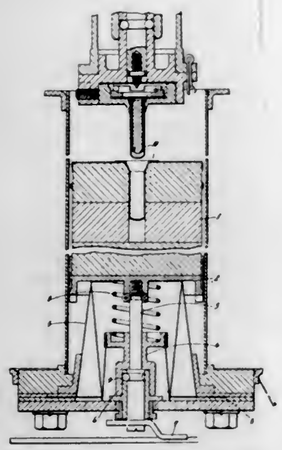
1,508,139. LOCK. GEORGE D. FULL, Waukegan, Ill. Filed July 30, 1923. Serial No. 654,571. 2 Claims. (Cl. 70—113.)

1. In a lock of the class described, the combination with a casing having a pair of openings, of a shackle having one of its prongs longer than the other, the shorter prong provided with an angular recess near its end and having its end beveled, said longer prong being rotatably and slidably mounted in one of said openings and having means to restrict its movement outwardly, said shorter prong adapted for insertion into and withdrawal from the other of said openings, a plurality of superimposed and spaced disk-tumblers centrally mounted in the casing for rotation and each having a recess in its periphery and co-operating means for imparting rotary movement one to another, a locking and releasing pawl pivotally mounted in the casing near the end of the shorter prong of the shackle, said pawl having an arm extended between the



tumblers and the opening in the casing for said shorter prong and having at its end an inwardly extended projection to fit in said recesses of the tumblers when in register and on its outer surface an angular projection for engagement with the beveled end and angular recess of said shorter prong, means connecting the pawl and casing for normally holding the pawl out of contact with the tumblers and in locking engagement with the shorter prong of the shackle, a dial plate surrounding a portion of the outer tumbler and closing the end of the casing adjacent to said tumbler, and an indicator for registering with the graduations on the dial plate.

1,508,140. SUBMARINE MINE. ALBAN LEWIS GWYNNE, Portsmouth, England, assignor to Vickers Limited, Westminster, England. Filed July 15, 1921. Serial No. 485,038. 9 Claims. (Cl. 102—3.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



9. In a submarine mine, in combination, a primer charge, a detonator in normal safety position remote from said primer charge with respect thereto and hydrostatically operative means adapted to produce relative movement between said detonator and the primer charge.

1,508,141. CLAMP FOR MULTIPLE-BAR BUMPERS. HERBERT S. JANDUS and WAYNE E. DUNSTON, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 19, 1923. Serial No. 675,524. 8 Claims. (Cl. 293—55.)



8. A clamp for multiple-bar bumpers comprising a plurality of substantially C-shaped clamping members each adapted to engage the opposite edges of a bar, and means for securing said members together in substantially vertical alignment.

1,508,142. TRUNK. ERNEST NORBERT KENNEDY, London, England. Filed Mar. 23, 1923. Serial No. 627,097. 2 Claims. (Cl. 190—47.)



1. A trunk of variable capacity comprising a lower box-shaped part and an upper box-shaped part having front and rear walls substantially parallel with one another and inclined with regard to the top and bottom of the trunk, the cross section of the latter being rhombic in combination with extensible hinges and fastening devices securable in any position and attached respectively to said front and rear walls, so that the trunk may be opened, or closed and locked, in any extended or in the fully telescoped position.

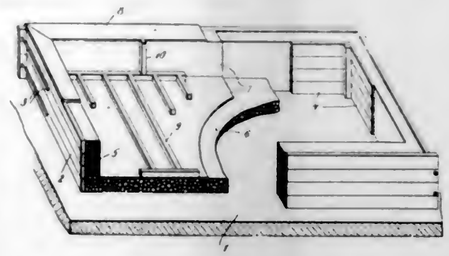
1,508,143. CLIP FOR COLLAPSIBLE TUBES. EVERETT H. KNEEN, Ansonia, Conn. Filed Apr. 7, 1923. Serial No. 630,559. 2 Claims. (Cl. 221—60.)



1. A clip for collapsible tubes, formed on one side with a series of inwardly-projecting lugs and on the opposite side with a series of inwardly-extending sockets in line with and facing said lugs.

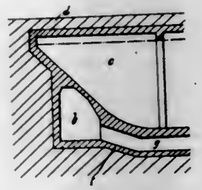
1,508,144. SULPHUR-CONTAINING STRUCTURE AND METHOD OF MAKING SAME. WILLIAM HOFFMAN KOBBÉ, New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Filed Nov. 24, 1923. Serial No. 676,871. 13 Claims. (Cl. 18—425.)

1. The method of making structures composed at least in part of a compound of intimately mixed sulphur and finely divided carbonaceous material which comprises appropriately confining a mass of aggregate material, filling the voids throughout the mass of aggregate material with the compound of intimately mixed sulphur and finely divided carbonaceous material in a molten condi-



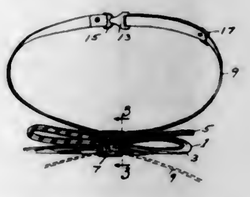
tion, and permitting said compound to solidify in situ whereby the aggregate material and sulphur compound are bonded together to form a monolithic structure.

1,508,145. LARGE-SIZED OIL TANK. RUDOLF KOLWES, Berlin, Germany. Filed Sept. 4, 1919. Serial No. 321,717. 2 Claims. (Cl. 72—13.)



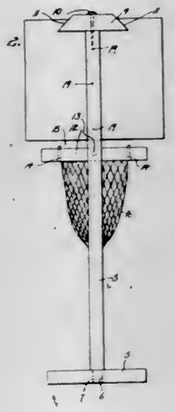
1. An oil tank of large capacity sunk in the ground and comprising an inner concrete oil vessel with walls adapted to be subjected only to the pressure of the oil, an outer concrete shell with walls adapted to be subjected only to the pressure of the earth, passages situated inside the outer shell and surrounding the side walls of the inner vessel, other passages located beneath the sole of the inner vessel, said passages being adapted to accommodate persons desiring to inspect the said walls, and heating devices arranged in the passages first named and adapted to keep the temperatures in the said passages and in the inner vessel practically equal, whereby uneven internal stresses in the said walls are diminished or prevented.

1,508,146. NECKTIE. CHARLES MACKO, Chicago, Ill., assignor to George G. Richter, Chicago, Ill. Filed Feb. 16, 1924. Serial No. 693,210. 3 Claims. (Cl. 2—151.)



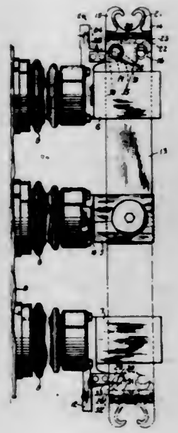
1. A reversible necktie comprising two bows positioned back-to-back, a loop encircling the bows and secured to each bow, a band within the loop and adapted to pass around the wearer's collar, the band having a slidable connection with the loop whereby it may be slid around within the loop to expose one or the other of said bows.

1,508,147. TOY BASKET-BALL GAME. CHARLES HOLBROOK VINAL, Mystic, Conn., assignor to Harry U. Rosenthal and Solomon Luber, both of New York, N. Y. Filed Feb. 21, 1923. Serial No. 620,361. 3 Claims. (Cl. 46—59.)



1. A toy basketball game, having a base provided with a socket, a standard removably mounted in the said base, a cross-piece secured to the standard and provided near its ends with sockets, a basket-hoop having ends removably inserted into the said sockets in the said cross-piece, a basket mounted upon the said hoop, and means for connecting the inner edge of the basket with the standard.

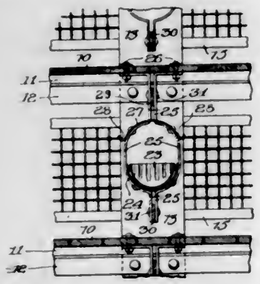
1,508,148. SWITCH. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,258. 12 Claims. (Cl. 200—169.)



1. The combination with a switch blade and contact jaws therefor, of a stationary member, and an operating handle for the blade movably mounted thereon and provided with a portion that engages the stationary member to move the blade with respect to the jaws when the handle is moved with respect to the blade in a direction tending to move the blade out of the jaws.

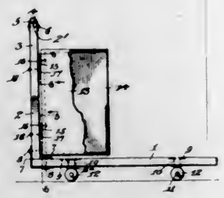
12. In an electric switch, the combination with a stationary contact member, a movable contact member pivoted adjacent to its one end and, at its other end, adapted to engage the stationary contact member, and an operating lever pivotally supported on the movable contact member, said operating lever being pivoted intermediate its ends and having one end adapted to effect a camming engagement with a fixed member and its other end serving as a handle whereby the said operating lever may be rotated about its pivot to force the movable contact member out of engagement with the said stationary contact member.

1,508,149. TROUGH PROTECTOR. WILLIAM F. ABBOTT, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company, a Corporation of Maine. Filed July 22, 1921. Serial No. 486,795. 3 Claims. (Cl 119—12.)



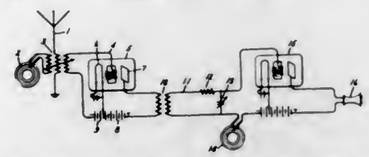
1. In a poultry car containing coops at opposite sides of an aisle, a trough supported between each pair of adjacent coops, and a canopy supported above each trough for preventing refuse from dropping into the trough, said canopy acting as a barrier between adjacent coops.

1,508,150. CHILD'S VEHICLE. HAROLD KESSLER ALBUS, St. Joseph, Mo. Filed June 8, 1923. Serial No. 644,182. 1 Claim. (Cl. 46—51.)



In a toy of the character described, a relatively long narrow wheeled platform, a handle carrying standard carried thereon, said standard being of the same width at the base as said platform and of less width at the central and upper part thereof, a pair of superposed strap members secured to the inner face of said standard, the upper of said strap members being offset intermediate its ends to provide an upper slot, and the lower of said strap members being offset between its center and each end to provide a pair of lower slots, a package receptacle, a depending tongue member having one end inset for engagement with the upper portion of said receptacle and adapted to engage with its free end said upper slot, and a pair of tongue members having one of their ends offset and secured side by side near the lower portion of said receptacle, and adapted to engage with their free said pair of lower slots.

1,508,151. WIRELESS SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Apr. 19, 1916, Serial No. 92,156. Patent No. 1,465,961, dated Aug. 28, 1923. Divided and this application filed July 15, 1918, Serial No. 244,840. Renewed July 12, 1920. Serial No. 395,762. 21 Claims. (Cl. 250—8.)



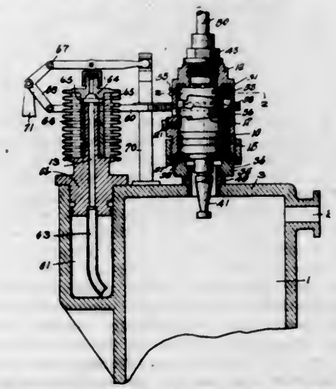
3. The method of receiving wireless signals which consists in combining the signaling current with a current having a frequency differing therefrom by an amount above audibility, producing from these currents an alternating current with a frequency corresponding to the difference between the frequencies of the two currents, accumulating the energy of the last named alternating current during a plurality of successive cycles and selectively detecting the energy thus accumulated.

1,508,152. SQUIRREL-CAGE WINDING FOR ALTERNATING-CURRENT MOTORS. PHILIP L. ALGER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,409. 5 Claims. (Cl. 172—120.)



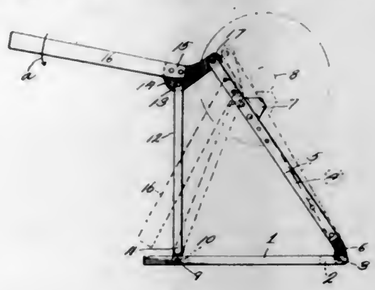
3. An alternating current motor comprising cooperating stator and rotor members, said rotor member comprising a cylindrical laminated core provided with rectangular partially closed slots in its periphery, a plurality of squirrel cage windings having common end rings and having rectangular bars in each of said slots at different radial depths therein and rectangular bars of magnetic material between said squirrel cage bars abutting against said end rings.

1,508,153. INTERNAL-COMBUSTION ENGINE. ERL V. BEALS, Boston, Mass. Filed June 26, 1920. Serial No. 391,933. 3 Claims. (Cl. 123—25.)



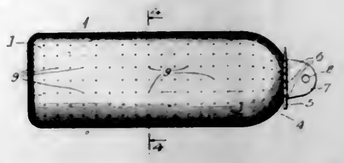
1. In combination with an internal combustion engine, a device for injecting water into the engine cylinder comprising a chamber adapted to contain water, an explosive pressure actuated displacer, a positive stop for said displacer and means the operation of which is dependent upon the temperature of the cylinder walls for controlling the travel of said displacer.

1,508,154. VEHICLE JACK. WILLIAM W. BELLAMY, Oakland, Calif. Filed Apr. 24, 1924. Serial No. 708,746. 1 Claim. (Cl. 254—113.)



A vehicle jack comprising a horizontally disposed base, an upwardly and rearwardly extending axle engaging member, the lower end of said axle engaging member being curved and having its end pivotally mounted in a bifurcation of the base, an upwardly extending bar, said bar having its lower end pivotally mounted on the rear end of the base, said bar and upwardly and rearwardly extending axle engaging member having their ends pivotally connected at spaced points to a plate, said plate having connected thereto an upwardly and rearwardly extending handle at an angle to the plate, said handle being secured to the plate over the upper end of the upwardly extending bar and adapted to engage the upper end of the upwardly extending bar upon an axle raising operation for limiting the movement of the handle and maintaining the handle out of engagement with the bar, an axle engaging block carried by the upwardly and rearwardly extending member, and disposed in a plane whereby when the handle is folded onto the upwardly and rearwardly extending bar said handle will be disposed to one side of the block.

1,508,155. MEAT-FOOD PRODUCT AND METHOD OF MAKING SAME. JACOB H. BERG, Chicago, Ill. Filed Aug. 1, 1922. Serial No. 578,886. 8 Claims. (Cl. 17—45.)

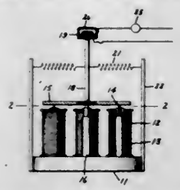


1. A meat food product consisting of a casing made of dehaired animal hides and a filling of chopped meat, the product being processed to render not only the meat-filling but also the hide edible.

1,508,156. MEANS FOR INDICATING SLIPPAGE OF WHEELS. ELMER F. BLISS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 20, 1919. Serial No. 318,740. 2 Claims. (Cl. 177—311.)

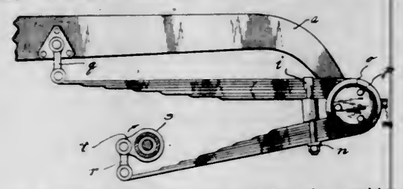
2. In combination, a plurality of sets of motors, a plurality of coils arranged symmetrically about a circle, one for each armature of said motors, each of said coils connected across its corresponding motor armature, a core for each coil, a cross-shaped member of magnetic

material having a plurality of arms corresponding in number and position with the said coils, a point pivot for said member at its center, a cylindrical contact carried by said member, a stationary cup shaped contact enclosing said cylindrical contact, means for normally holding said cross-shaped member away from all of the



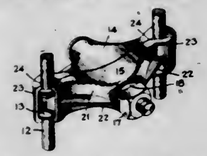
cores with said contacts disengaged, the coils for each set of motors being arranged diametrically opposite each other, whereby the cross-shaped member is attracted from its normal position to operate said contacts into engagement only when the voltages across the armatures of any one set of motors are unequal, a circuit controlled by said contacts, and an indicator in said circuit.

1,508,157. SPRING SUSPENSION FOR VEHICLES. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed May 18, 1923. Serial No. 639,934. 13 Claims. (Cl. 267—41.)



1. In a spring suspension for vehicles, the combination of a chassis frame, the combination of an axle housing, a V type of spring rotatably supported at its apex by the chassis frame and having its upper leg secured to the chassis frame and having its lower leg secured to the axle housing in advance thereof, whereby torsion on the axle housing tends also to rotate the spring at its apex.

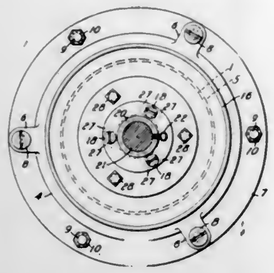
1,508,158. COUPLING FOR INSULATORS. GEORGE W. BOWER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 16, 1921. Serial No. 501,051. 4 Claims. (Cl. 173—318.)



1. A coupling for the U-shaped supporting links for insulators, said coupling comprising flat top and bottom walls and arched side walls, said top and bottom walls being provided at their ends with openings spaced to receive the two ends of supporting links, and said coupling being split in a longitudinal, vertical plane through the centers of said openings, and a bolt which passes transversely through the arched side walls to hold the parts of the coupling together.

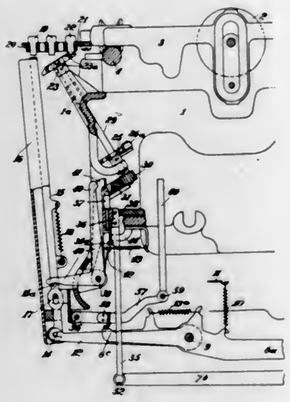
1,508,159. INSULATOR. JAMES M. BROWN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,704. 6 Claims. (Cl. 173—313.)

1. A bus-bar insulator comprising a tubular insulating member having an inwardly-projecting annular flange adjacent to the outer open end thereof; a centrally-apertured annular metal member and a discoidal metal member disposed on the outside and on the inside, respectively, of said flange, a bus-bar supporting member longitudinally adjustably mounted on said annular member in the aperture thereof, and a plurality of bolts equally



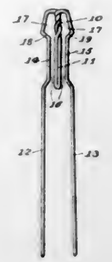
spaced about said supporting member extending through the open end of the insulating member for connecting said metal members and clamping the same uniformly against said flange around said bus-bar supporting member.

1,508,160. TABULATOR FOR TYPEWRITERS. THEODOR EUGEN BUSCHMANN, Chemnitz-Kappel, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, Chemnitz, Germany. Filed Mar. 23, 1921. Serial No. 454,947. 2 Claims. (Cl. 197—177.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



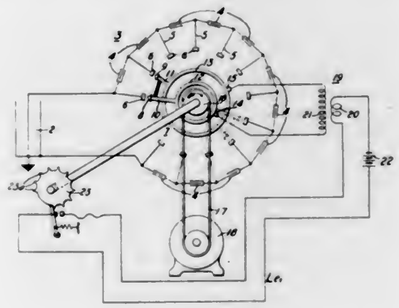
1. In a typewriting machine, a carriage, denominational selecting mechanism including denominational stops, controlling means for preventing the denominational stops from coming into action whilst the carriage moves through a predetermined distance including members for latching the denominational stops, column selecting means for setting the controlling means including a plurality of column selecting keys, a plurality of locking bolts actuable by the column selecting keys and operatively coacting with the latching members for holding the denominational stops against movement, resiliently controlled means for automatically latching the said bolts upon the raising of one of the bolts, and means actuable by the carriage for effecting the release of the locking bolts and thereby the denominational stops at the moment when the carriage has reached the end of the said distance substantially as and for the purposes set forth.

1,508,161. HAIRPIN. PHILIP CHRISTIAN, Bridgeport, Conn. Filed Nov. 7, 1925. Serial No. 673,267. 1 Claim. (Cl. 132—52.)



A hair pin formed from a single piece of wire and including a closed end portion, a central relatively short leg portion extending downwardly from said end portion and formed by doubling the wire centrally and twisting the same adjacent said end portion, the side edges of said leg portion being straight and parallel with each other, side legs bent downwardly at each side of said end portion and in spaced relation to said central leg portion, said side portions being bent inwardly at each side of said central leg portion and parallel thereto and in spaced relation to said closed end portion, and forming shoulders in spaced relation to said closed end portion to produce relatively large hair receiving spaces in the closed end of said pin at each side of said central leg portion, said inwardly bent portions forming relatively long restricted passages below said shoulders at each side of said central leg portion to said relatively large hair receiving spaces, whereby the side legs are spread and contracted as the hair is passed through said passages into said relatively large hair receiving spaces.

1,508,162. MEANS FOR PRODUCING HIGH VOLTAGE. LEWIS WARRINGTON CHUBB, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 16, 1919. Serial No. 297,474. 14 Claims. (Cl. 171—97.)



1. The combination with a source of energy adapted to be intermittently active, and a unidirectional consumption device, of a plurality of energy-storing and restoring units connected in series, terminal members connected between said units, a contact device connected to said source and adapted to bridge two of said terminals at one time, means for rotating said contact device to connect said energy-storing and restoring units to said source, means associated with said rotative means for making said source active only during the time that two of said terminals are bridged, and means for connecting said consumption device in series with said plurality of units whereby it is continuously supplied with unidirectional energy.

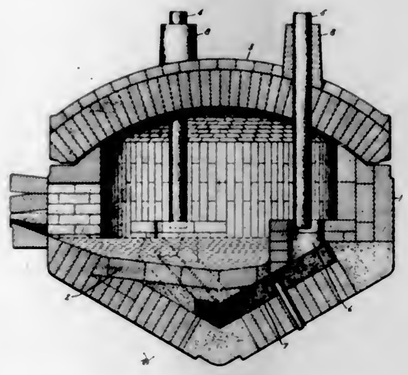
1,508,163. NEEDLE FOR TALKING MACHINES AND LIKE APPARATUS. WILLIAM ERNEST CLIFTON, Nottingham, England, assignor to Cliftophone Limited, London, England, a British Limited Liability Company. Filed Jan. 3, 1923. Serial No. 610,425. 6 Claims. (Cl. 274—38.)



1. A needle for gramophone and like sound reproducing machines formed from a single length of wire doubled on itself to provide two adjacent prongs whereof one is longer than the other and is pointed at the end.

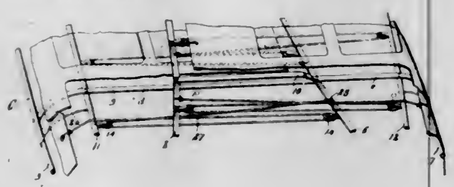
6. A needle for gramophone and like sound reproducing machines formed from a length of wire doubled back on itself for the purpose described, with a pointed end extending clear of and beyond the extremity of the doubled portion and the non-pointed end of the doubled portion bent outwardly and wrapped round the adjacent limb to afford a stop, substantially as described.

1,508,164. ELECTRIC FURNACE. EDGAR F. COLLINS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 18, 1921. Serial No. 470,624. 4 Claims. (Cl. 204—64.)



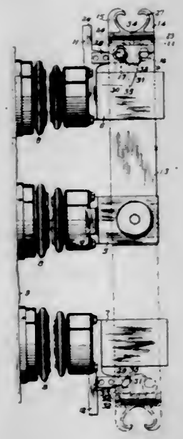
1. An electric furnace comprising a housing, an electrode projecting through said housing, and means for dissipating heat from the portion of said electrode external to said housing including a sleeve made of refractory material having a relatively high heat conductivity surrounding said electrode.

1,508,165. CURTAIN FOR AUTOMOBILE TOPS AND THE LIKE. BENJAMIN H. COZINE, Louisville, Ky. Filed Aug. 19, 1921. Serial No. 493,510. 5 Claims. (Cl. 296—140.)



1. A unitary curtain-supporting frame adapted to be connected to the underside of a vehicle top composed of a pair of complementary frame sections fastened together, the inner portions of the sections extending beyond the medial line of the frame and overlapping each other throughout the length of the frame, and being offset and spaced away from each other.

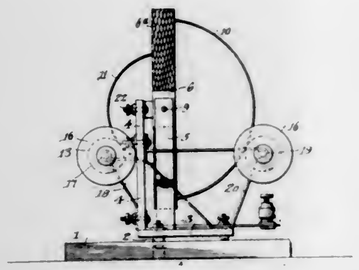
1,508,166. SWITCH. HERBERT J. CRABBS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 22, 1920. Serial No. 383,348. Renewed Jan. 31, 1924. 4 Claims. (Cl. 200—169.)



1. A switch comprising a pivot jaw member, two pairs of spaced contact jaws, a switch blade pivoted to the pivot jaw member and adapted to separately engage the said contact jaws, a pair of latch levers pivoted to the free end of the switch blade and on opposite sides thereof, a latch member adjacent each pair of contact jaws and adapted to engage one of the said levers to move it into latching position when the blade is moved into operative relation with the jaws, and a spring connecting the latch levers and adapted to maintain them in yielding operative relation with respect to the latch members, the said levers being so formed as to provide a protecting housing for the spring.

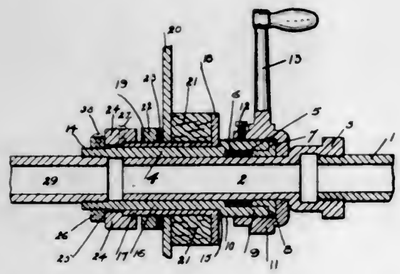
1,508,167. MOUNTING FOR TUNING RADIOCIRCUITS. JAMES W. CUSHING, Ionia, Mich. Filed Mar. 27, 1923. Serial No. 628,005. 7 Claims. (Cl. 171—119.)

1. A variocoupler unit comprising a plurality of nested coils, means for pivotally supporting the inner one of said coils, a semi-circular track fixed to said inner coil, and means engaging said track for shifting the same



thereby positioning said inner coil in angular relation with respect to an adjacent coil.

1,508,168. UNION COUPLING FOR REVOLUBLE PIPES. ERIC MICHAEL DE SHERBININ, Toronto, Ontario, Canada, assignor, by mesne assignments, to Paragon Dishwasher Syndicate Incorporated, a Company of New York. Filed June 25, 1923. Serial No. 647,706. 3 Claims. (Cl. 185—30.)

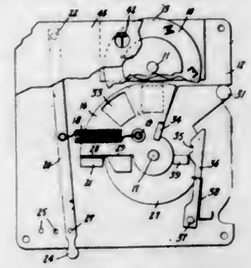


1. In an union coupling, the combination with a tubular male coupling member, a tubular female coupling member rotatable on, and having a sliding contact with, the male coupling member, a gland inserted in one end of the female coupling member and a packing nut threaded on the same end of the female coupling member and pressing against the gland, means for rotating one of the coupling members, an exteriorly threaded tubular bearing for the female coupling member, a packing nut at the inner end of the bearing having a flange at one end, a packing nut on the inner end of the bearing and a clamping nut on the bearing opposed to the flange.

1,508,169. ILLUMINATION INDICATOR. SAMUEL EVERETT DOANE, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Mar. 25, 1920. Serial No. 368,720. 3 Claims. (Cl. 88—14.)

1. In an illumination indicator, the combination of a rotatable disc, a contrasting design on said disc, a shutter normally coverins said design and having an aperture therein, a sector for engaging said shutter to bring it into a cocked position and having a slot therein normally

registering with said design, a segment on said sector normally registering with said aperture, means for



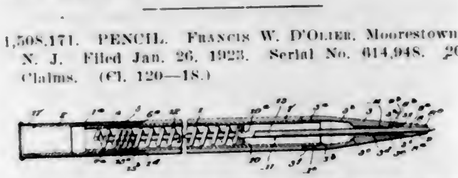
locking said shutter in a cocked position and means for releasing said shutter to expose said design through said aperture for a substantially short time.

1,508,170. PENCIL. FRANCIS W. D'OLIER, Moorestown, N. J. Filed Sept. 12, 1922. Serial No. 587,708. 5 Claims. (Cl. 40—19.)



2. In a writing implement, a central transparent sleeve, separate end members abutting the opposite ends of said sleeve, and barrel means separable from each of said end members holding said end members in position at the ends of said sleeve.

1,508,171. PENCIL. FRANCIS W. D'OLIER, Moorestown, N. J. Filed Jan. 26, 1923. Serial No. 614,948. 20 Claims. (Cl. 120—18.)



9. In a pencil, a barrel having an end portion, an actuating end piece having a telescopic and rotatable connection with the inner wall of said barrel end portion, said inner wall having a first bearing surface adjacent the end thereof next to the extreme end of said end portion and a second bearing surface spaced from said first surface and inwardly therefrom, said actuating end piece having a first annular shoulder adapted to rotate within said first bearing surface and a second annular shoulder adapted to rotate within said second bearing surface, said first and said second annular shoulder being of the same diameter and spaced apart, and the outer surface of said actuating piece between said shoulders being tapered gradually smaller from said first shoulder toward the base of said second shoulder, and a detent member carried by said barrel end portion and normally yieldably extending lengthwise of said barrel and wholly within the outer contour thereof and alongside of said tapered wall and toward said second shoulder.

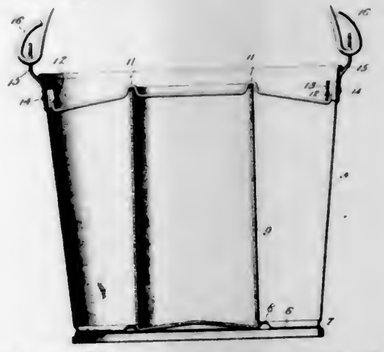
1,508,172. WIRE-STRETCHER EXTENSION. RALPH W. DONNELL, Nevada, Mo. Filed Dec. 31, 1923. Serial No. 683,690. 2 Claims. (Cl. 254—162.)

1. A combined wire stretcher extension brace and suspension device, formed of a pair of rigid leg members each having one end sharpened for engagement with a fence post, a combined hook and eye member including a shank connectnig the hook with the eye, the said shank extending through and pivotally connecting one end of said members together, a flexible coupling element connected at one end to said eye, and adapted to engage the fence post for securing the said device in a lateral posi-



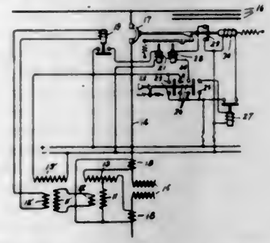
tion with respect to the post, and said hook adapted to be connected to a wire stretcher upon the side of the leg members opposite to that occupied by said flexible coupling element.

1,508,173. PAIL EXTINGUISHER. ORLANDO R. ERWIN, Forest Hills, N. Y., assignor to Fommite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1920. Serial No. 429,659. 6 Claims. (Cl. 169—34.)



1. A fire extinguisher pail comprising inner and outer open top receptacles defining a central compartment and an annular compartment surrounding the central compartment for holding separate chemical component solutions which upon commixture produce a fire extinguishing agent, and means for supporting the inner receptacle in said outer receptacle comprising provisions having attachment to said outer receptacle and having means for engaging the rim of the inner receptacle, the construction of the receptacles being such that the component solutions may be simultaneously projected from the pail by a manual dashing or dumping action whereby to cause said components to intermix after leaving the pail and produce the fire extinguishing agent.

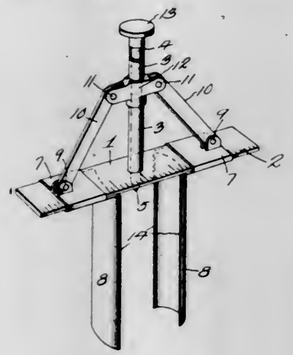
1,508,174. CONTROL OF ELECTRIC SWITCHES. ALAN STEWART FITZ GERALD, Finchley, England, assignor to General Electric Company, a Corporation of New York. Filed Aug. 28, 1923. Serial No. 659,765. 8 Claims. (Cl. 175—294.)



1. The method of controlling the operation of a protective system of the class described wherein electroresponsive protective apparatus is arranged to control a line switch with a discriminating differential action,

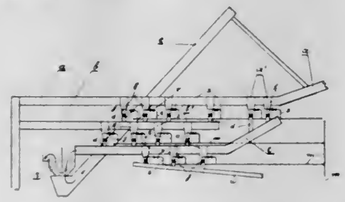
which comprises impressing an auxiliary electromotive force upon the protective apparatus during the closing and opening periods of said switch to render the responsiveness of the protective apparatus less sensitive during such periods.

1,508,175. SHAFT-CENTER-FINDING DEVICE. PHILIZA H. FONTAINE, Petersburg, N. Dak. Filed May 24, 1923, Serial No. 641,158. Renewed July 9, 1924. 1 Claim. (Cl. 33—191.)



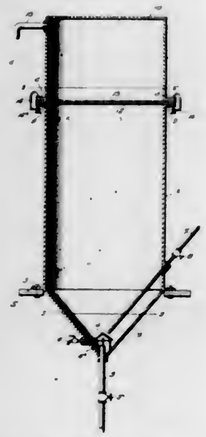
A center locating and marking device for shafts comprising a bar, sleeves slidably mounted on the bar at opposite ends thereof, shaft engaging arms carried by said sleeves and disposed at a right angle to the bar and in parallel relation to each other, a right angularly disposed sleeve carried by the bar at the opposite sides to the shaft engaging arms, a member slidably mounted on said right angularly disposed sleeve, link connections between said member and the sleeves on the bar, and a center marking member extending through the right angularly disposed sleeve in the bar and forming means whereby the center of the shaft may be marked when the shaft engaging arms are in engagement with opposite sides of the shaft.

1,508,176. COAL OR OTHER MINERAL WASHING APPARATUS. ANTOINE FRANCE, Liege, Belgium. Filed Jan. 2, 1920. Serial No. 349,119. 3 Claims. (Cl. 83—89.)



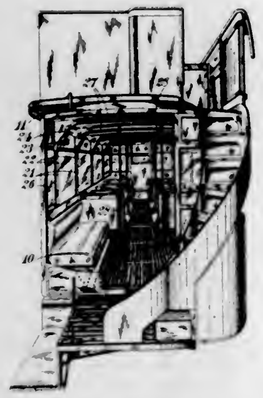
1. In plant for washing and separating minerals, the combination of: a plurality of sloping troughs for the separation of the minerals according to specific gravity by means of a conveying water current, arranged below one another; a plurality of separators extending downwardly from and arranged in series at intervals along the bottom of each trough, and each, except those of the lowest trough, delivering into a lower trough; a communication between said separators and aforesaid troughs; controllable means for supplying water to said separators in upward streams for the treatment of the materials sinking from the lower portion of the troughs into such separators through the aforesaid communication; an adjustable discharge opening in the base of each separator; means for evacuating the materials discharged through such opening by the separators of the lowermost trough; means for collecting the materials delivered at the end of such lowermost trough; and mechanical means for removing the last-named materials from such point of collection and returning them to the top end of one of the uppermost troughs; all substantially as described.

1,508,177. APPARATUS FOR WASHING MILK OF MAGNESIA. FLOYD E. FRAZIER, Iowa City, Iowa. Filed Jan. 8, 1921. Serial No. 435,877. 9 Claims. (Cl. 210—185.)



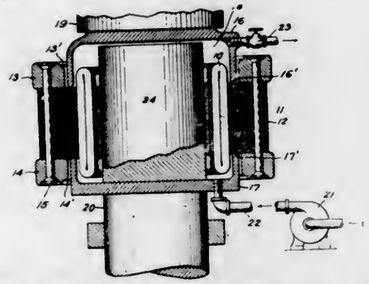
1. An apparatus for washing milk of magnesia, comprising a cylindrical container having an inverted cone-shaped bottom, a water inlet pipe extending through the apex of and opening into said bottom in proximity to the apex, a spreader supported by the bottom and arranged over and in proximity to the inner end of said pipe, and a compressed air pipe discharging on the upper face of the sprender.

1,508,178. VEHICLE. SAMUEL GAGE, Holloway, London, England, assignor to The London General Omnibus Company Limited, Broadway, Westminster, England. Filed Dec. 27, 1920. Serial No. 433,093. 1 Claim. (Cl. 296—28.)



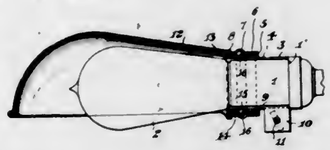
A vehicle body comprising a plurality of transversely arranged reinforcing hoops, said hoops being rigidly secured to said body so as to be incapable of independent movement, each of said hoops completely encircling said body and comprising an endless web of metal interposed between covering strips of wood and lying flatwise in the plane of the hoop, said web being composed of top and bottom and side members and corner gussets all riveted together to form a rigid member, and lamp-supporting means carried by the upper gussets of each hoop, substantially as described.

1,508,179. MEANS FOR IMPREGNATING COILS. ROBERT W. GOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,874. 5 Claims. (Cl. 91—46.)



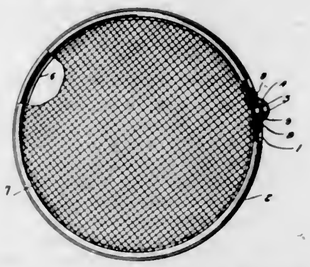
1. Means for impregnating coils mounted on a magnet frame comprising enclosing members placed over the protruding portions of said coils into engagement with said magnet frame on opposite sides thereof so as to form with said magnet frame a chamber for said coils, and means for supplying the impregnated material to said chamber under pressure.

1,508,180. LIGHT SHADE. ROBERT GOODEN, Oelwein, Iowa. Filed Oct. 27, 1923. Serial No. 671,160. 4 Claims. (Cl. 240—110.)



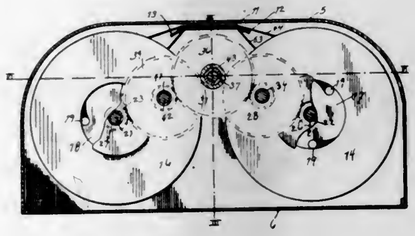
1. In a lamp shade, a split collar adapted to be positioned about a lamp socket, means carried by said collar for tightening the same about the lamp socket, a light deflecting element having means for connection with said clamp, and a ball bearing coupling said clamp and said connecting means.

1,508,181. SAND RIDDLE. JUDGE GREEN, Chattanooga, Tenn. Filed Aug. 2, 1923. Serial No. 655,295. 1 Claim. (Cl. 83—51.)



A riddle comprising a band having terminal offstanding portions, means coacting with the offstanding terminal portions of the band whereby to contract the latter, a hoop within the band, a screen having an edge portion bent about the hoop and adapted to be clamped between the latter and the band, means on the interior of the band to support the hoop and screen above the base of the band, a strap covering the offstanding terminal portions of the band and means securing said strap, band, hoop and screen together.

1,508,182. REELING AND UNREELING DEVICE. EDWIN P. GUTHRIE, San Francisco, Calif. Filed Apr. 7, 1923. Serial No. 630,573. 3 Claims. (Cl. 40—95.)



1. In a device of the character described, a casing, a plurality of spools mounted within said casing, two of said spools being adapted to reel and unreel a web therebetween, two other of said spools being adapted to reel and unreel a web therebetween, said first mentioned web being of greater width than said second mentioned web, means for rotating said webs simultaneously, one of said webs traveling at a high rate of speed, the other of said webs traveling at a lower rate of speed, and intermittently, and means for imparting slow movement to said high speed web after said high speed web has been brought to a point of rest.

1,508,183. LIFT-TRUCK PLATFORM. HOWARD T. HALLOWELL, Jenkintown, Pa. Filed Sept. 15, 1921. Serial No. 500,988. 7 Claims. (Cl. 248—41.)

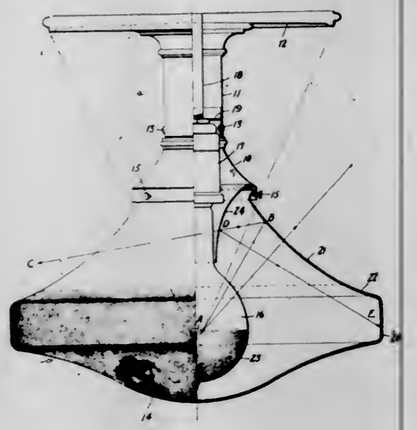


1. The combination in a lift truck platform of two substantially parallel angle sections, a transverse top section connecting said angle sections and constituting the load support, socket members secured to the said angle sections, wooden blocks constituting feet adapted for attachment within said sockets, and transverse bolts passing through said blocks and socket members for detachably securing the blocks within the sockets.

1,508,184. LIGHTING FIXTURE. WARD HARRISON, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Jan. 8, 1921. Serial No. 435,924. 1 Claim. (Cl. 240—78.)

In a lighting unit, the combination with an incandescent lamp and a support therefor, of a globe totally inclosing said lamp and comprising a substantially disc-shaped lower non-transparent bowl portion and a substantially conical upper transparent neck portion, and a deflecting shield interposed between the neck portions of

said lamp and of said globe, said parts being so proportioned and arranged that substantially all light rays re-

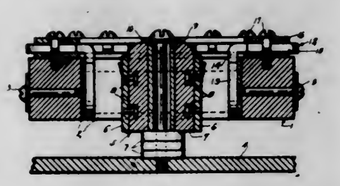


flected from one side of the neck portion of the globe toward the opposite side will encounter said shield and be deflected into the bowl portion of said globe.

1,508,185. COMPOSITION OF MATTER COMPRISING A LIQUEFIED GAS. PIERRE E. HAYNES, Buffalo, N. Y., assignor to The Linde Air Products Company, a Corporation of Ohio. Filed July 23, 1920. Serial No. 398,491. 21 Claims. (Cl. 52—1.)

1. An explosive mixture comprising an oxidizing agent, and a combustible liquid boiling below the centigrade zero.

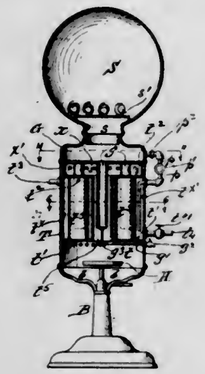
1,508,186. TILE-DIE MOUTHPIECE. HARRY T. HEALEY, Arnold, Pa. Filed Sept. 13, 1923. Serial No. 662,516. 10 Claims. (Cl. 25—17.)



1. In a tile die mouth piece, a frame, a core positioned centrally of the frame, corrugating members each including two heads disposed at right angles to each other, the inner heads of said members extending across the inner faces of the walls of the frame, and means for releasably securing the outer heads of the corrugating members to the frame.

1,508,187. STERILIZING AND WATER-HEATING DEVICE. EDWARD KRONMAN, New York, N. Y. Filed Apr. 4, 1923. Serial No. 629,804. 3 Claims. (Cl. 167—3.)

1. In sterilizing and water heating apparatus of the character designated, the combination of a water tank, means thereunder for heating same, said tank being formed with a flue for the passage of the hot air, etc., and a steam generator superposed on said water tank and formed with a drop tube extending into said flue in the water tank, said drop tube being closed except at the top and the latter opening into said generator, to-



gether with a sterilizing chamber mounted on said steam generator, substantially in the manner and for the purpose described.

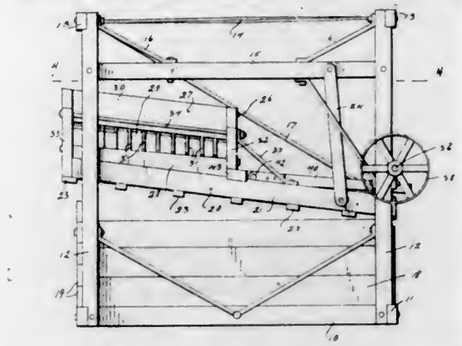
1,508,188. SAFETY DEVICE FOR SWITCH ENGINES. WILLIAM J. LAFFEY, Memphis, Tenn. Filed Mar. 8, 1922. Serial No. 542,040. 1 Claim. (Cl. 240—7.)

In a switch engine having a bumper and a foot board, a pair of signal boxes mounted beneath the bumper, each of said signal boxes containing a lamp and having an aperture for transmitting light in the direction of movement of the engine whereby the outer extremities of the bumper are indicated, each box also having an aperture beneath the lamp for transmitting light to the foot board whereby the outer extremities of the foot board are indicated, substantially as set forth.

1,508,189. GRAVEL SHAKER. FRANK LAUSCHER, Powers, Mich. Filed Nov. 26, 1923. Serial No. 677,034. 2 Claims. (Cl. 83—56.)

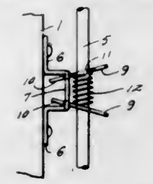
1. A shaking machine of the character described comprising a stationary supporting frame including corner uprights and cross bars connecting the same, longitudinal bars connecting said uprights, a side wall secured to the uprights at one side, an end wall secured to the uprights at one end to define an accumulation bin, an inclined frame having its bottom slatted and covered with wire screen, hangers pivotally suspended from said longitudinal bars and pivotally connected with said inclined frame for permitting longitudinal oscillatory

movement thereof, a crank shaft journaled on the uprights at one end, a pitman pivotally connected with



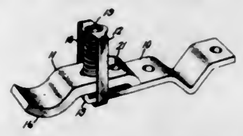
said inclined frame and connected with the crank shaft, and a hopper mounted on the inclined frame and having a grate-like bottom.

1,508,190. SASH HOLDER OR FASTENER. WILEY C. LEDBETTER, Obion, Tenn. Filed Mar. 26, 1921. Serial No. 455,311. 1 Claim. (Cl. 292—306.)



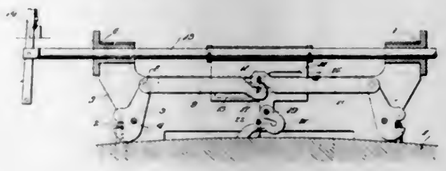
A window fastener comprising a substantially U-shaped bracket having its ends bent at right angles to the arm portions and in opposite directions to each other and adapted to be secured to a frame, said brackets having relatively narrow slots formed at the juncture of the arm portions and the bight portion, elongated finger pieces extending through the slots in the bracket and having lateral projections on their side edges at their inner ends to prevent withdrawal of the finger pieces from the brackets, said finger pieces having openings arranged exterior of the bight portion of the bracket, a rod extending through the openings, and secured to the window sash, a spring on said rod and bearing against said finger pieces and normally maintaining them in rod gripping position, and the edges of said relatively narrow slots forming fulcrums for said finger pieces when the finger pieces are moved toward each other to compress the spring and release the rod.

1,508,191. SWITCH-CONTACT FINGER. GEORGE LEDDICK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,090. 3 Claims. (Cl. 200—170.)



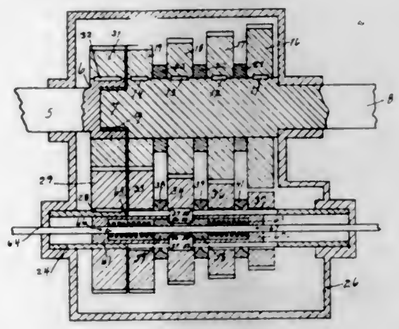
3. A contact finger for electric switches comprising a support, a contact pivotally mounted with respect to the support, a coiled spring for holding the contact and the support in yielding engagement, and a strap embracing the support, the contact member and the spring for placing the spring under strain, the said strap consisting of a narrow strip of material having a punched in portion midway of its ends which is inserted in one end of the spring for holding the spring in position and having integral kicked up ends which substantially meet on the side of the support which is opposite to the side on which the said contact and spring are carried and which are adapted to enter an aperture on the said opposite side of the support for positioning the strap with respect to the support.

1,508,192. BOMB SHACKLE. EDWIN Z. LESH, Dayton, Ohio. Filed Apr. 11, 1923. Serial No. 631,344. 6 Claims. (Cl. 244—5.)



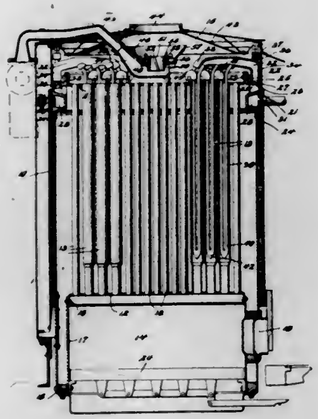
1. In a load release device, a plurality of hooks for supporting a load, a plurality of members connected to said hooks and adapted to be engaged with each other to resist operation of said hooks due to the weight of the load, and means for positively disengaging said members.

1,508,193. GEAR-SHIFTING DEVICE. JAMES H. LORD, Oakland, Calif. Filed Nov. 30, 1923. Serial No. 677,765. 1 Claim. (Cl. 74—59.)



In a device of the character described a propeller shaft, a plurality of gears mounted thereon, a tubular auxiliary shaft positioned parallel to said propeller shaft, a gear keyed to said auxiliary shaft, means for rotating said gear, a plurality of gears freely rotatable on said auxiliary shaft and in constant mesh with the gears keyed to said propeller shaft, spacers positioned between said freely rotatable gears, said spacers having their inner periphery champered, a control rod movable within said auxiliary shaft, cages pinned to said rod and slidable in said tubular auxiliary shaft, a spring pressed cone slidably mounted within each of said cages, keyways formed in each of said freely rotatable gears, and a plurality of keys radially positioned with respect to said control rod and adapted to be projected and retracted to a point on the outside of the periphery of said auxiliary shaft, the inward movement of said keys being controlled by contact with the champered surface of said spacers and the outward movement of said keys being controlled by said spring pressed cones.

1,508,194. BOILER. ROBERT N. MILLER, Altoona, Pa. Original application filed Dec. 22, 1920, Serial No. 432,474. Divided and this application filed Aug. 17, 1921. Serial No. 492,999. 3 Claims. (Cl. 162—4.)



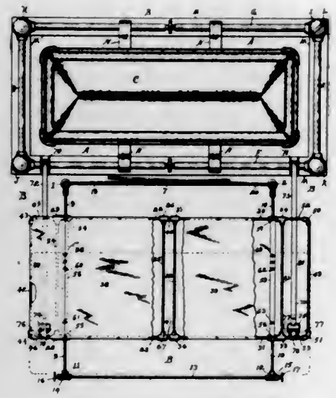
1. In a vertical boiler having lower and upper tube sheets and tubes and flues connecting said sheets, the combination with a top extension from said boiler and a cover plate forming a chamber or smoke box for the gases of combustion with an outlet in the cover plate, of a conical baffle in said box surrounding said outlet and extending downwardly, an exhaust pipe in said chamber having a nozzle directed towards said outlet and having a plurality of depending lugs resting on said upper tube sheet, and an oppositely turned conical baffle secured to said nozzle over said exhaust pipe.

1,508,195. VEHICLE BRAKE MECHANISM. ROY SELDEN SANFORD, Los Angeles, Calif. Filed May 11, 1921. Serial No. 468,524. 4 Claims. (Cl. 188—10.)



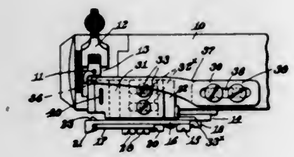
1. In a fore-wheel brake for automobiles, the combination of a steering knuckle carrying a front wheel, an axle upon which the knuckle is mounted to rock on a substantial vertical axis, a frame supported by the axle, brake mechanism carried by the knuckle, means for normally holding the brake released, brake operating mechanism carried by the frame for applying the brake at will, and means connected with the brake operating mechanism, including a flexible conduit having one end attached to the knuckle in a position substantially parallel with the axis of rotation of the knuckle and having a pull wire extending from said end and connected with the brake mechanism, so that it extends and exerts its pull in a direction substantially parallel with the axis of rotation of the knuckle, said conduit being also supported on the frame and disposed in a loop in a substantially vertical plane.

1,508,196. AUTOMATIC GRAVE COVER. ORA E. STEGALL, Richmond, Ind., assignor of one-half to George O. Ballinger, Richmond, Ind. Filed Oct. 11, 1923. Serial No. 667,785. 6 Claims. (Cl. 27—30.)



1. An automatic grave covering comprising in combination with a grave, a casket and a casket lowering device: a horizontal table located at one side of the grave, and means whereby as the casket is lowered into the grave said table will move horizontally and cover the grave opening.

1,508,197. DEVICE FOR SECURING CORDED TAPE TO EDGES OF SHOE UPPERS. ALFRED J. THOMAS, Braintree, Mass. Filed Aug. 20, 1923. Serial No. 658,320. 10 Claims. (Cl. 112—139.)



1. In a device of the class described, a support having a transverse slot therein; a guide at one side of the entrance to the slot of said support having a tape-receiving opening therethrough normally in alinement with said slot, adapted to fold an edge of the tape while being fed therethrough into said slot, and a passage for a cord in said guide inclined toward said tape-receiving opening.

1,508,198. SHOE UPPER. ALFRED J. THOMAS, Braintree, Mass. Original application filed Aug. 29, 1923, Serial No. 660,044. Divided and this application filed Feb. 12, 1924. Serial No. 692,423. 5 Claims. (Cl. 36—57.)

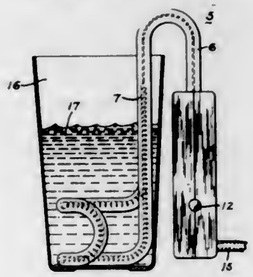
1. A shoe upper having secured to the edge of its outer face two thicknesses of the folded edge of a tape with a cord in its fold, said tape having a single thickness

which, with a portion of the upper outside said row of stitches, is turned inwardly onto the inner face of said



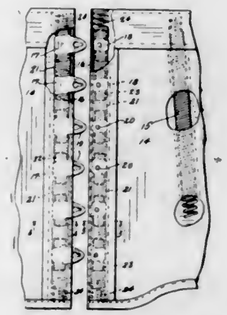
upper, and a lining superimposed upon the inner face of the upper and secured thereto and to said tape by another row of stitches.

1,508,199. IMMERSION WATER HEATER. FRANK THORNTON, Jr., Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Sept. 23, 1921. Serial No. 502,643. 3 Claims. (Cl. 219—41.)



1. In an electric fluid heater, the combination with a return-bent tubular heating element, of an elongated switch casing clamped over the ends of said element and effective to support said heating element upon a supporting surface with the casing only in contact therewith.

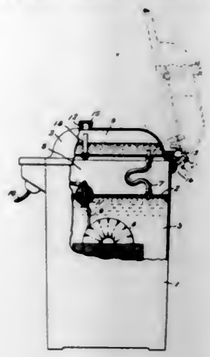
1,508,200. CORSET CLASP STAY. RIVEN TOVE, South Norwalk, Conn. Filed Oct. 14, 1922. Serial No. 594,503. 6 Claims. (Cl. 2—264.)



1. A clasp stay for corsets including spaced securing elements, and flat coils of wire connecting said elements and arranged with their axes extending longitudinally of the stay, said coils being substantially non-compressible longitudinally of the stay but yieldable laterally in all directions.

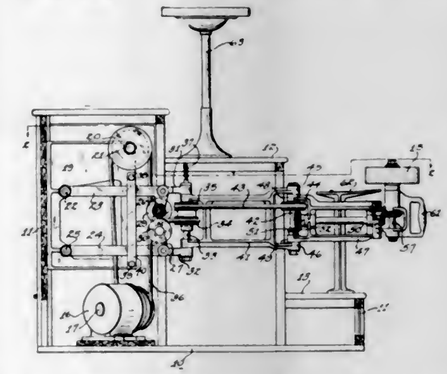
1,508,201. TRANSFORMER CASING. EDWARD D. TREANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 22, 1922. Serial No. 576,665. 5 Claims. (Cl. 220—85.)

1. A transformer casing including a body portion having a transformer compartment, an expansion compartment spaced above said transformer compartment, a flexible pipe connecting said compartments, and insulating fluid



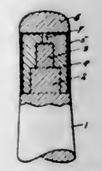
within said transformer compartment and extending through the pipe into the expansion compartment.

1,508,202. SHOE-POLISHING MACHINE. GEORGE T. TRUNDLE, Jr., Cleveland, Ohio, assignor, by mesne assignments, to The Automatic Electric Shoe Polishing Machine Company, Bryan, Tex., a Corporation of Texas. Filed Apr. 13, 1921. Serial No. 460,965. 16 Claims. (Cl. 15—36.)



4. In a shoe polishing machine the combination with a stand; of a pair of shoe supports, a brush positioned beneath the stand and arranged for universal movement with relation to the supports, a source of power for rotating the brush, the source of power being positioned within the stand, and an operator's handle connected with the brush on the side thereof opposite the support therefor.

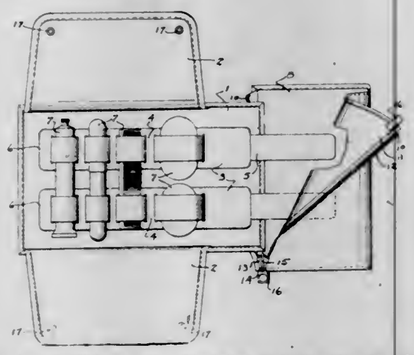
1,508,203. CUE TIP. MIKE VARGO, Yukon, Pa., assignor of one-half to Jack F. Yannacci, Yukon, Pa. Filed Feb. 14, 1923. Serial No. 618,948. 1 Claim. (Cl. 46—9.)



In combination, a cue stick provided at its outer end with two concentric securing elements the inner one of which is of less diameter than the diameter of the stick, the outer one of said elements being of less diameter than

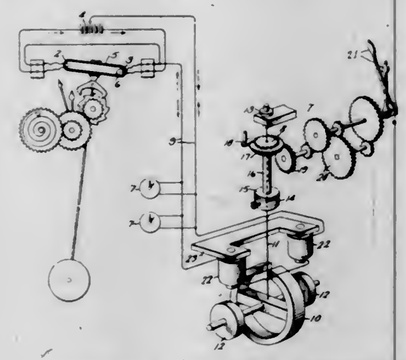
the inner element, a ferrule, an ivory plug secured in said ferrule and fitting snugly about the securing elements, the inner end of the ferrule contacting with the cue stick at the inner end of the inner securing element, and a cue tip secured on the outer end of said plug.

1,508,204. CARRYING CASE. WALLACE D. WALKER, Meadville, Pa. Filed Nov. 21, 1922. Serial No. 602,449. 6 Claims. (Cl. 150—34.)



1. A carrying case comprising a flexible tube slit along one side, an article containing flexible base secured at one end inside said tube with its other end free and capable of being rolled into said tube through the slit, and fastening means for closing said slit with the rolled base therein.

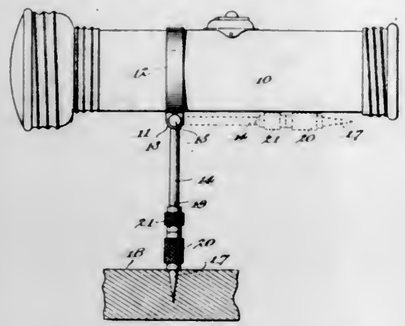
1,508,205. CLOCK MOTOR. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Oct. 27, 1922. Serial No. 597,234. 3 Claims. (Cl. 58—26.)



1. In combination a master clock, a secondary clock, a motor for operating said secondary clock comprising, a field magnet having a plurality of cooperating pole pieces, an exciting winding for said magnet, an armature of magnetic material having polar projections equal in number to those of said field magnet rotatively mounted therebetween and resilient means for biasing said armature to a position of maximum reluctance with respect to said field magnets, and an energizing circuit for said field magnets controlled by said master clock.

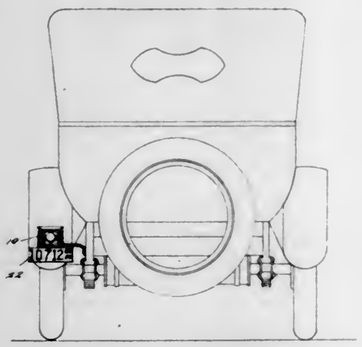
1,508,206. HOLDER FOR FLASHLIGHTS. EDMUND J. WATERS, Asbury Park, N. J. Filed July 28, 1923. Serial No. 654,428. 3 Claims. (Cl. 240—52.)

1. A holder for flash lights comprising a ring, a rod, means for adjusting said ring with relation to said rod, a point formed on the free end of said rod and adapted to be embedded in a base and capable of rotation therein,



threads on said rod above said pointed end and means co-acting with the threads on said rod for concealing said point when the same has been removed from the base.

1,508,207. SIGNAL. RANDOLPH T. WINDLE, New York, N. Y. Filed Dec. 1, 1923. Serial No. 678,076. 2 Claims. (Cl. 240—7.1)



1. A signal adapted to be secured to the rear portion of a vehicle comprising a casing having front and rear walls, side walls arranged in converging relation to each other from the rear wall to the front wall, colored glass panels mounted in said side walls, a lamp mounted in said casing, a red bull's eye mounted in the front wall of said casing and adapted to serve as a tail light, a license plate suspended from said casing, and a transparent panel mounted in the bottom wall of said casing for permitting light from said lamp to be reflected on said license plate.

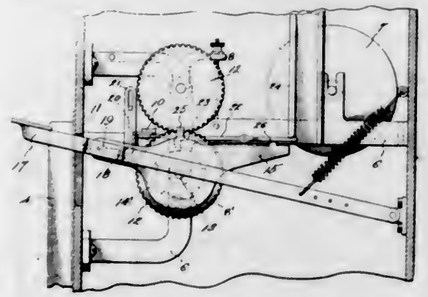
1,508,208. SUPPORTING DEVICE FOR THE HEELS OF FOOTWEAR. MARCEL ACHART, Paris, France. Filed May 25, 1921. Serial No. 472,325. 1 Claim. (Cl. 36—76.)



A supporting device for heels of footwear comprising a metal plate consisting of a shank section and a heel section extending a curvilineal angle, hooks extending from the opposite sides of the free end of said shank section,

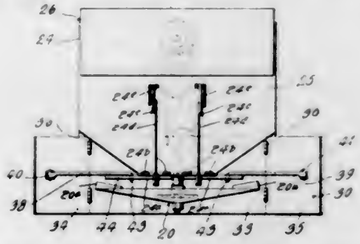
points formed with the free end of said shank section and extending at an angle with respect to said hooks, serrations formed with the opposite end of said shank section, and hooks formed with said heel section substantially as and for the purpose specified.

1,508,209. VENDING MACHINE. JAMES B. ADAMS, Cheat Neck, W. Va. Filed Feb. 2, 1923. Serial No. 616,560. 2 Claims. (Cl. 194—26.)



1. A vending machine comprising a carrying reel, feeding rollers for feeding a strip therefrom, intermeshing gears connected with the rollers, a pair of ratchet wheels connected with the shaft of one roller, a rocking member on said shaft, a dog carried thereby engaging one of the ratchet wheels, a pivoted lever having a toothed part engaging the other ratchet wheel, said lever being adapted to be tilted by a coin, a projection on the rocking member for limiting the tilting movement of the lever until said rocking member has been moved to a certain position and a hand lever for rocking said member.

1,508,210. MATERIAL SPREADER. HENRY J. BANGERT, Ferguson, Mo. Filed Nov. 19, 1920, Serial No. 425,177. Renewed Jan. 31, 1924. 2 Claims. (Cl. 275—8.)

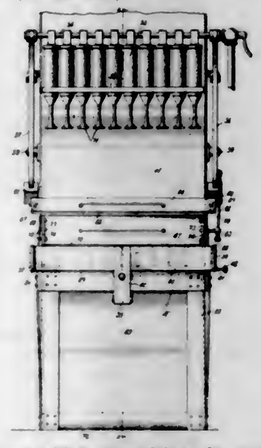


1. In a device of the class described, a hopper, a rotary spreading device and mounted in a horizontal plane below the lower end of the hopper, a shield including a plurality of hingedly mounted wing elements, each swinging about a vertical axis, and adjustable bracing devices pivotally connected with said wings, for determining the position of the wings and the width of the stream of the material passing from the spreader.

1,508,211. PROCESS OF MAKING RUSTLESS IRON AND SIMILAR ALLOYS. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Nov. 13, 1922. Serial No. 600,684. 16 Claims. (Cl. 75—1.)

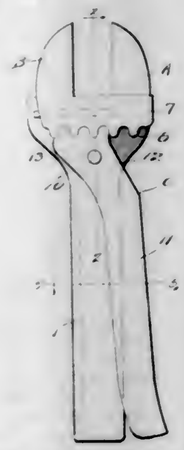
1. The hereindescribed continuous process of preparing rust-resisting chromium alloys comprising reducing an ore of chromium at a high temperature by means of a metallic reducing agent, out of contact with the bulk of the ferrous component of the alloy, thereby producing a metallic product high in chromium and low in carbon; and then diluting the resulting melt by means of an iron-group metal at a substantially lower temperature.

1,508,212. BRICK MACHINE. CLYDE H. BLISS, Atlanta, Ga. Filed Jan. 14, 1924. Serial No. 686,016. 10 Claims. (Cl. 25—41.)



1. A brick machine comprising, in combination, a brick mold, means to supply material thereto, tamping means held normally in inoperative position and manually movable to position to compact material in said mold, and means set into operation by initial movement of said compacting means toward operative position to cause delivery of brick material to said mold.

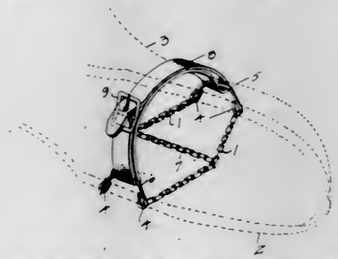
1,508,213. GRIP WRENCH. JOHN R. BRAZEALE, Ozark, Mo. Filed Feb. 10, 1923. Serial No. 618,350. 1 Claim. (Cl. 81—86.)



In a wrench of the class described, a fixed jaw, a movable jaw, said fixed jaw consisting of three plates fixed together, the intermediate plate being extended to form a shank, and said shank being extended to form a handle a rib disposed on the shank and extending transversely of the handle; said movable jaw consisting of three plates, the two outer plates being extended to form shanks spaced from each other to receive therebetween the shank of the fixed jaw, one of the shanks of the

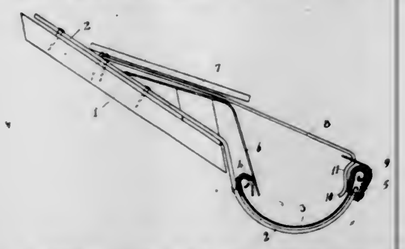
movable jaw being provided with a groove for receiving the rib on the shank of the fixed jaw, the edges of the shanks of the movable jaw being provided with teeth; and an operating lever having a pair of spaced extensions pivoted to the handle and terminating in teeth for engagement with the teeth of the shanks of the movable jaw all in the manner and for the purpose specified.

1,508,214. ANTISLIPPING DEVICE. WILSON S. BROWN, Liberty, Wash. Filed Aug. 20, 1920. Serial No. 404,718. 1 Claim. (Cl. 36—63.)



An anti-slipping device for shoes comprising sections of chain adapted to be arranged parallel and extend transversely of a shoe and under the sole thereof, bars having their ends bent to form hooks providing for adjustable connection with the links of the chain sections to maintain the same taut and to adapt them for use on shoes of different width without drawing the chain sections against the uppers of the shoes, means connected to said bars and adapted to extend over the shoe to secure the anti-skid device thereto, and a chain extending transversely of and connected at its ends to said chain sections and of greater length than the distance between the chain sections when they are taut, whereby the chain last mentioned will be slack when in use and operating as an additional anti-slipping device as well as to permit of relative movement of the first mentioned chain sections.

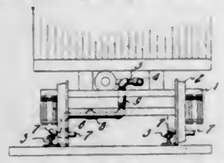
1,508,215. SUPPORT DEVICE FOR SPOUTING. OTTO JOHANNESEN BYDALL, Christiania, Norway. Filed Nov. 6, 1922. Serial No. 599,392. 2 Claims. (Cl. 108—20.)



1. A device of the character described including a trough, a link bent over the outer edge of the trough and having one end portion apertured and extending slightly into the trough and a retaining strap having one end adapted to be secured to a roof and the opposite end bent angularly and engaged through the apertured link and formed between its point of engagement with the link and its free terminal with a retaining hump, substantially as and for the purposes set forth.

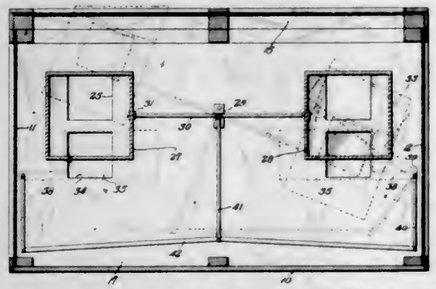
1,508,216. BRAKE. GERALD K. CAMPBELL, Parks, Tex. Filed Feb. 17, 1923. Serial No. 619,747. 1 Claim. (Cl. 246—172.)

In combination with a railroad car, a branch line connected with the brake line thereof, a flexible part in the branch line, a T-coupling connected with the vertical end of the branch line and pipes threaded in the coupling



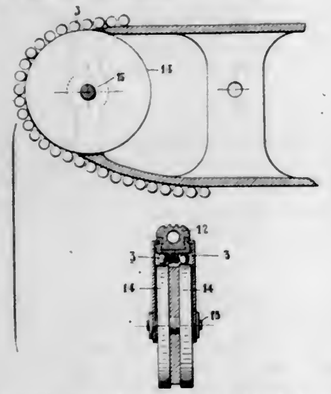
and having their outer ends closed, said pipes being adapted to strike a rail and be broken off if the wheels should leave the rail.

1,508,217. ANIMAL TRAP. JUSTIN E. CHAUVIN, Montegut, La. Filed Aug. 20, 1923. Serial No. 658,392. 6 Claims. (Cl. 43—68.)



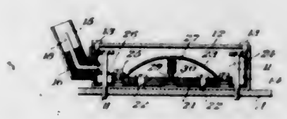
1. A trap comprising a pair of pivotally mounted boxes balancing one another and adapted to swing down in opposite directions on the entrance thereto of an animal, a bait chamber normally communicating with the boxes, a cage placed at a lower level for communicating with the boxes on the lowering thereof, a door mounted in conjunction with each box and adapted to normally shut off the communication between the box and the cage but adapted to lift when the cage lowers and shut off the communication between the cage and the bait chamber and means connected between the cage and the doors for lifting one door only when its respective cage is lowered without affecting the movement of the other door.

1,508,218. VEHICLE RUNNER. LUCIEN CONSTANT JULES LOUIS CHEVREAU, Levallois-Perret, France, assignor to La Société Chevreau et Régnier Frères Siège Social, Courbevoie, France. Filed Nov. 28, 1922. Serial No. 603,859. 2 Claims. (Cl. 305—4.)



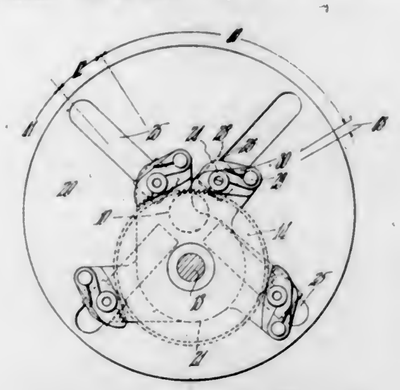
1. A runner, comprising a body having a peripheral track; an endless belt movably encircling said track and consisting of a series of tread links each provided on its inner face with a pair of inwardly-projecting, spaced lugs, and fastening links having their opposite ends pivotally secured in the spaces between the lugs on adjacent tread links to connect the latter together; two series of anti-friction bearings interposed between said track and the inner faces of the tread links and arranged at opposite sides of said lugs; and means attached to the runner body for preventing displacement of said bearings.

1,508,219. SAFETY DEVICE FOR IRONS. MARK LANE FRANKLIN, Owen Sound, Ontario, Canada. Filed Sept. 8, 1923. Serial No. 661,667. 3 Claims. (Cl. 200—136.)



2. A device of the character described comprising a metallic casing provided with means for attachment upon an electric iron, a base of insulating material within the casing, a bowed strip having its ends anchored upon the base, terminal posts, a conducting strip connected with one post and one end of said strip, a contact located within a recess in the base and connected with the other post, an upstanding threaded post connected with said contact, and a threaded socketed contact on said post normally engaged by said bowed strip.

1,508,220. VARIABLE-SPEED TRANSMISSION. ELLSWORTH FREY, Springfield, Mass., assignor to Frey Variable Speed Gear Company, a Corporation of Massachusetts. Filed Sept. 14, 1922. Serial No. 588,269. 9 Claims. (Cl. 74—54.)



1. A variable speed transmission, comprising, driving and driven elements arranged face to face in adjacent relation, means to move said elements the one relatively to the other in a plane normal to their axes to vary the distance between such axes, a series of carriers between the elements and each mounted for turning movement about the axis of one thereof, gripping means mounted on each carrier and adapted to periodically connect with the driven element, a series of substantially radial slots one for each carrier provided in the driving element, a member slidably mounted in each slot, means connecting each member to its respective carrier so as to permit relative angular movement therebetween, and mechanism to cause said gripping means to be successively connected to and subsequently disconnected from the driven element.

1,508,221. CARPET CUSHION. ALFRED HUGH GALLAGHER, Chicago, Ill., assignor to Tanners Products Company, Chicago, Ill., a Corporation of Delaware. Filed June 26, 1922. Serial No. 571,009. 11 Claims. (Cl. 19—147.)



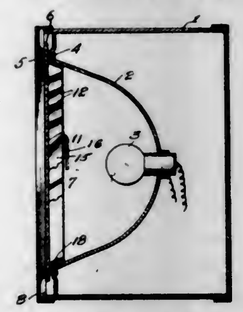
6. A carpet cushion comprising a loosely felted body consisting principally of animal hair, and an intermediate reinforcing sheet of fabric embedded therein.

1,508,222. COLLAR BUTTON. WILLIAM H. GODWIN, Sumner, Wash. Filed May 4, 1921. Serial No. 466,678. 1 Claim. (Cl. 24—101.)



A collar button consisting of a blank of sheet material having a substantially flat body portion and an integral tongue rising from the plane of the body portion substantially midway of the length thereof and deflected in the form of a bill which lies in substantial parallelism with the plane of the body portion, the tongue being of a width less than the body portion and being separated at its side edges therefrom by slits forming side ears which extend in the plane of the body portion and in the opposite direction from the tongue, the ears being of a length approximating that portion of the body which is overhung by the tongue to prevent tilting of the button when in use, the said bill being concaved longitudinally and having its free end portion projecting beyond the opposite transverse edge of the body.

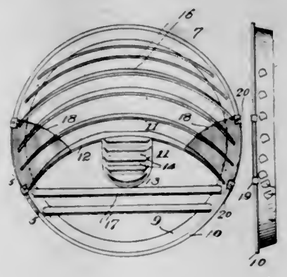
1,508,223. HEADLIGHT DEFLECTOR DEVICE. CHARLES A. HARTMANN, San Antonio, Tex., assignor to Hartmann Auto Safety Light Corporation, a Corporation of New Jersey. Filed June 29, 1923. Serial No. 648,507. 1 Claim. (Cl. 240—48.4.)



In a device of the class described, an open body, light deflecting strips extending transversely in said body for directing light downwardly and outwardly through the body, said strips being spaced vertically in said body

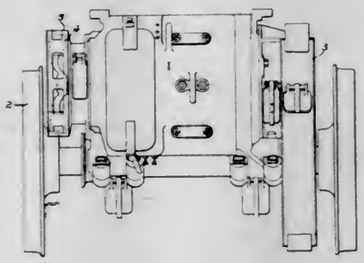
with one strip positioned a greater distance from the strip below it than it is from the strip above it, and a light concealing element extending downwardly from the intermediate portion of the last-mentioned strip across the relatively wide space and adapted to be positioned in front of a source of light when said body is positioned in operative relation to a lamp body.

1,508,224. HEADLIGHT DEFLECTOR DEVICE. CHARLES A. HARTMANN, San Antonio, Tex., assignor to Hartmann Auto Safety Light Corporation, a Corporation of New Jersey. Filed Dec. 29, 1923. Serial No. 683,361. 7 Claims. (Cl. 240—484.)



1. In a headlight, the combination of a casing provided with a lamp, of a shutter device carried by said casing in front of said lamp, transparent colored means engaging opposite portions of said shutter device, and fastening means at the edge of said shutter device and holding the transparent colored means against the same.

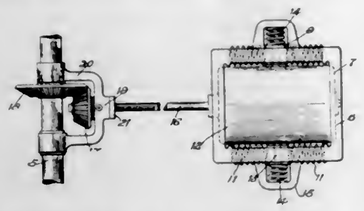
1,508,225. MEANS FOR VENTILATING RAILWAY MOTORS. DAVID C. HERSHBERGER, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 20, 1923. Serial No. 652,687. 16 Claims. (Cl. 105—59.)



1. A bearing housing comprising a cylindrical bearing member, a flange portion on the rear end of said bearing member and a substantially cylindrical fan housing extending in front of said bearing member.

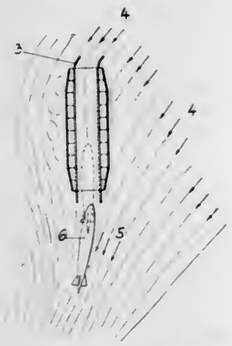
1,508,226. MOTOR SUSPENSION STRUCTURE. GEORGE H. F. HOLY, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1919. Serial No. 337,848. 6 Claims. (Cl. 105—118.)

1. In combination, a car body mounted on a pair of wheels, a motor-supporting structure fixedly mounted on said car body; journal members mounted on and movable both longitudinally and transversely of the



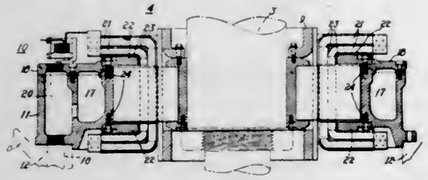
said supporting structure, and a motor operatively connected to said wheels and pivotally mounted on said journal members.

1,508,227. AIRCRAFT SHED. PAUL JARAY, Friedrichshafen, Germany, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Oct. 4, 1921. Serial No. 505,321. 7 Claims. (Cl. 189—15.)



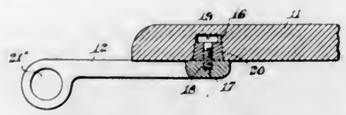
1. A shed for aircraft comprising a tunnel-like structure; openings at both ends of said structure; doors for closing said openings; the doors at one end adapted to force air into the structure in case of the wind blowing at an angle to its axis; the doors at the other end allowing axial escape to the air current flowing through the shed.

1,508,228. SYSTEM OF COOLING DYNAMO-ELECTRIC MACHINES. THOMAS P. KIRKPATRICK, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1920. Serial No. 381,953. 3 Claims. (Cl. 172—36.



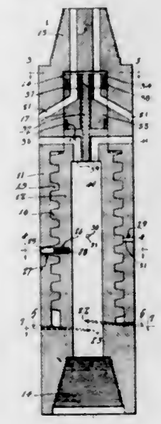
1. In a dynamo-electric machine, the combination with a stator frame having a chamber therein and provided with a winding having end turns provided with insulating means thereon, of end plates of non-magnetic material associated in heat-conducting relation with said frame, said end turns being bent into close proximity to said plates with said insulating means contacting with both said turns and said plates, and means for conducting a cooling fluid through said chamber.

1,508,229. HINGE CONNECTION. FREELAND D. LESLIE, Milton, Mass. Filed Nov. 1, 1923. Serial No. 672,182. 7 Claims. (Cl. 4—236.)



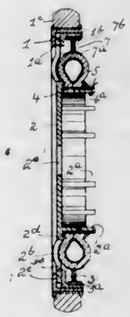
1. In a device of the class described, a member having a recess in one face thereof; a hinge member; a screw secured therein and having a head spaced therefrom; and a tubular member surrounding the shank of said screw between its head and said hinge member adapted to be permanently positioned in said recess.

1,508,230. CIRCULATING TOOL JOINT FOR CORE BARRELS AND THE LIKE. MILES J. LEWIS, Long Beach, Calif. Filed Nov. 27, 1922. Serial No. 603,621. 3 Claims. (Cl. 255—72.)



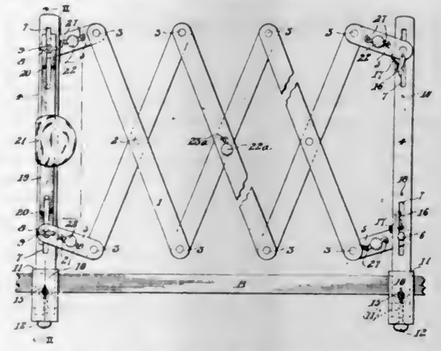
2. The combination with a core barrel, of means to admit a flushing fluid to the upper end of the core barrel while said barrel is being lowered into contact with the formation at the bottom of the well hole, said means being operable by resistance of the core barrel to rotation to shut off the flow of fluid to the core barrel.

1,508,231. SHOCK-ABSORBING WHEEL FOR VEHICLES. AUSTIN A. MENDENHALL, Duluth, Minn. Filed Oct. 11, 1921. Serial No. 507,075. 6 Claims. (Cl. 152—35.)



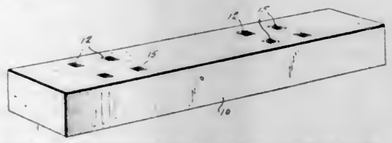
2. In a wheel, the combination of a hub member having a resilient tire mounted thereon, of a concentric felloe spaced from said tire, a plurality of lugs attached to said felloe, said lugs having sockets formed therein, spokes interposed between said tire and said lugs, said spokes being adapted to rock in said sockets and to rest upon the crest of said tire, said lugs being adapted to loosely engage said hub member to limit the rotary movement of said hub member and of said felloe with respect to each other.

1,508,232. REPAIRMAN'S CREEPER. FRANK W. MILOSY, Malba, Long Island, N. Y. Filed Nov. 29, 1922. Serial No. 603,958. 2 Claims. (Cl. 280—61.5.)



1. In a rest of the type described, a lazy tong construction, end bars connected thereto, latch devices carried by said construction, casters detachably mounted on the end bars and lazy tong construction and retained in operative position by the latch devices, said casters including annularly grooved pins projecting upwardly therefrom to be engaged by the latch devices.

1,508,233. SPIKE SOCKET FOR RAILWAY TIES. CHURCHILL B. MOODY, Minneapolis, Minn. Filed Mar. 22, 1924. Serial No. 701,140. 3 Claims. (Cl. 238—371.)



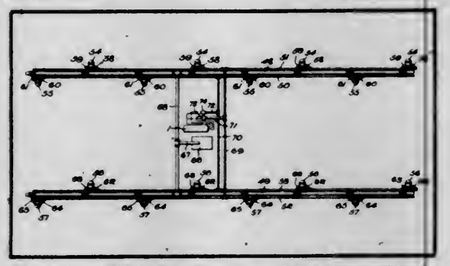
3. The combination with a cement railroad tie, of a socket embedded therein, the socket consisting of corrugated sheet metal, and a plug of material adapted to receive a spike filling the interior of the socket.

1,508,234. METHOD OF AND APPARATUS FOR EFFECTING HUMIDIFICATION. RALPH D. MORRISON, Mattapan, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed June 22, 1917. Serial No. 176,450. 24 Claims. (Cl. 261—39.)

1. A humidifying system comprising in combination means for supplying or distributing air or like fluid under pressure, means for supplying water, a plurality of water discharge atomizing devices in communication with both of said supplying devices and at which water is adapted to be discharged into the atmosphere through the action of said air, means acting automatically to effect discharge from a part of said devices, and also automatically to increase the total discharge.

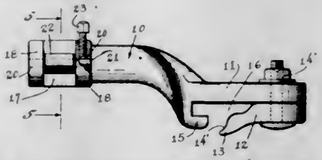
7. A humidifying system for a room or other enclosed space comprising in combination, means for supplying or distributing air or like fluid under pressure, means for supplying water, a series of spraying nozzles with which the air and water both communicate, electrically controlled valves governing the flow of the air at said nozzles, and means whereby the existence of a predetermined degree of humidification in the room effects the substan-

tially instantaneous and full opening of one of said valves, and the subsequent opening of another of said valves.



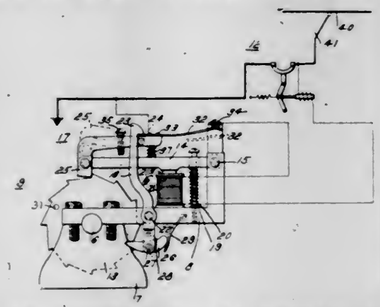
24. A humidifying system comprising in combination, means for supplying or distributing air or like fluid under pressure, means for supplying water, and a plurality of water discharge atomizing devices having provision for the formation by capillarity of a water film, said devices being in communication with both of said supplying means and at which said film is ruptured and discharged in finely atomized condition into the atmosphere, through the action of said air, and means governed by the humidity to effect discharge of water and air or like fluid from a part of said devices and also automatically to increase the total discharge from among said devices if insufficient humidification is effected by the said first discharge.

1,508,235. DRIVING-ROD ARM. ELZIE V. MOSLEY, Caroleen, N. C., assignor to Newton J. James, Caroleen, N. C. Filed Jan. 16, 1924. Serial No. 686,558. 5 Claims. (Cl. 139—190.)



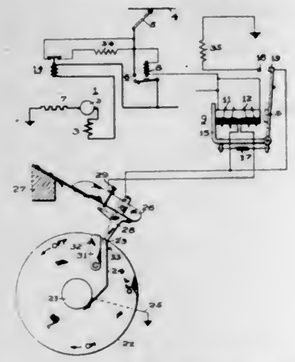
5. In a loom, the combination with a driving rod and a lay sword; of an arm adjustably and removably secured at one end to said sword, a pair of spaced integral ears formed on the opposite end of said arm, a pintle removably secured to said ears, a bushing rotatably mounted on said pintle, and a collar carried on one end of said rod encircling the aforesaid bushing between said ears.

1,508,236. CONTROL APPARATUS AND SYSTEM. HENRY D. MURDOCK, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,367. 14 Claims. (Cl. 172—179.)



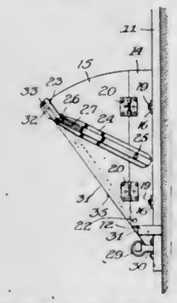
4. The combination with an electrically operated switching device having an actuating coil, of means comprising a contact member for governing the energization of said coil, magnetic means for maintaining said contact member in its closed position for energizing said coil, and a movable member for actuating said governing means to deenergize said coil.

1,508,237. CONTROL APPARATUS AND SYSTEM. HENRY D. MURDOCK, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 7, 1921. Serial No. 505,995. 11 Claims. (Cl. 172—179.)



5. In a control system, the combination with a translating device and a switch having an actuating coil for governing the energization of said device, of a relay device having a plurality of actuating coils for governing the energization of the coil of said switch, and means comprising a controller for selectively energizing the coils of said relay device.

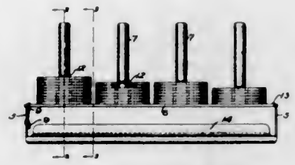
1,508,238. WINDOW VENTILATOR. DANIEL J. MURNANE, Chicago Heights, Ill. Filed Jan. 5, 1921. Serial No. 435,134. 7 Claims. (Cl. 98—31.)



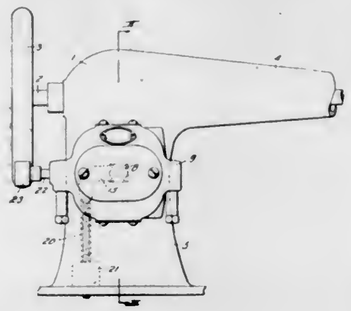
1. The combination with a window frame, of members located at opposite sides of the window opening therein adjacent the lower portion of the latter, said members being pivotally supported to adapt them to be swung outwardly and backwardly in a substantially horizontal plane toward the window frame, an air-deflecting member extending across the space between said pivoted members at the inner edges thereof, and means for holding said first-referred-to members in a position in which they extend substantially at a right angle to the plane of the window opening in all of the different adjustments of said air-deflecting member relative thereto.

1,508,239. CHIP HOLDER. HERBERT J. O'BRIEN, San Francisco, Calif., assignor to Lung Chan Co., Inc., San Francisco, Calif., a Corporation of California. Filed Jan. 30, 1924. Serial No. 689,509. 5 Claims. (Cl. 46—55.)

2. Chip holder comprising a base, side walls extending upwardly from said base, a holder comprising a plate and a plurality of pegs secured thereto, said holder being pivoted to the side walls and being movable to simultaneously move all of the pegs from horizontal to vertical position and vice versa, each peg being adapted to hold a plurality of chips and means on the base for holding the chips on the pegs when the pegs are in horizontal position.



1,508,240. MOUNTING FOR SEWING-MACHINE MOTORS. LEWIS C. PACKER, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,365. 7 Claims. (Cl. 74—26.)



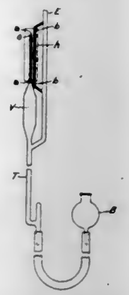
1. In combination, a sewing machine comprising a head having a hand wheel mounted thereon, an electric motor provided with a driving pinion disposed in engagement with said hand wheel, means for mounting said motor on said head comprising a stub shaft projecting into said head, said shaft being pivotally mounted in said head.

1,508,241. METAL AND ITS MANUFACTURE. ALADAR PACZ, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Original application filed Feb. 20, 1917, Serial No. 149,915. Divided and this application filed Feb. 15, 1922. Serial No. 536,815. 3 Claims. (Cl. 176—132.)

1. The method of producing substantially non-sagging and non-offsetting tungsten filaments which includes producing an intimate mixture of finely divided tungsten and a compound or compounds containing oxide of tantalum or niobium or both and thereafter sintering a compacted body of said mixture.

1,508,242. VACUUM GAUGE. ARTHUR PARTZSCH, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 24, 1923. Serial No. 627,488. 3 Claims. (Cl. 73—31.)

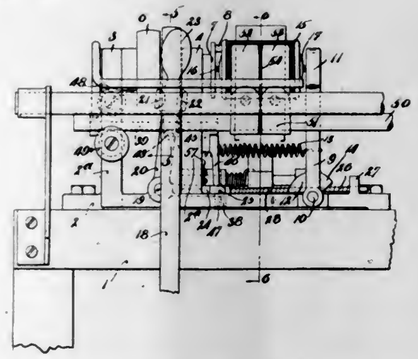
1. A vacuum gauge comprising an upright metal conduit provided with an opening at an intermediate point therein, a closed glass vessel communicating with and extending above said opening, said glass vessel comprising a volume bulb, a capillary measuring tube extending upwardly from the bulb and a capillary comparing tube communicating with said vessel below said volume bulb and extending above said capillary measuring tube.



1,508,243. TREATMENT OF REFINED COPPER FROM COPPER OXIDE. WALTER GEORGE PERKINS and WALTER HENRY BEASLEY, London, England, assignors to Metals Production Company of North America, Incorporated, New York, N. Y. Filed Mar. 27, 1923. Serial No. 628,033. 5 Claims. (Cl. 75—62.)

1. In a process for the treatment of finely divided oxidized copper-containing material, the steps comprising first heating the material in a reducing atmosphere so as to produce subdivided metallic copper, then cooling the copper in a reducing atmosphere and subsequently minimizing the exposed surface by pressing the material into blocks.

1,508,244. SPINDLE DRIVE FOR WINDING MACHINES. ANKER PETERSEN, Winthrop, Mass. Filed Sept. 8, 1923. Serial No. 661,714. 18 Claims. (Cl. 242—36.)

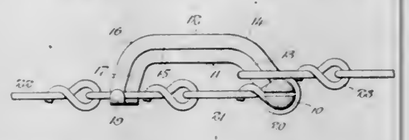


1. Winding mechanism comprising a rotary spindle, spindle driving means including a power transmission element movable to and from operative position, a toggle device controlling the position of the transmission element, and detector means determining the operation of the toggle device.

1,508,245. LATCH DEVICE. EMIL PETRACEK, Omaha, Nebr. Filed Mar. 3, 1924. Serial No. 696,630. 2 Claims. (Cl. 24—69.)

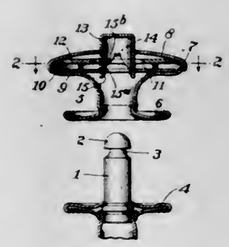
1. A latch device for securing chain ends together formed from a single bar of material bent upon itself to provide a pair of contiguous arms and an eye at one end of said arms adapted to have a terminal link of a chain

secured thereto, and a hook on the free end of each of said arms engageable with a link of a chain to lock the latch in engagement therewith, one of said arms being



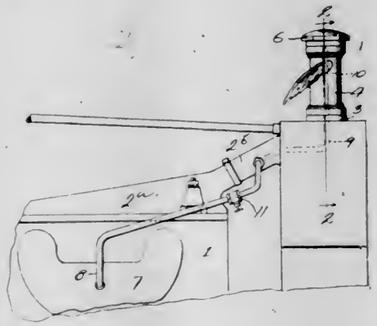
longer than the other whereby their hooked ends may be moved across one another to permit of their engagement with and disengagement from a chain.

1,508,246. SEPARABLE BUTTON. JOHN V. PILCHER and JOHN F. BABBITT, Louisville, Ky.; said John F. Babbitt assignor to said Pilcher. Filed Nov. 23, 1923. Serial No. 676,574. 11 Claims. (Cl. 24—110.)



5. A button of the separable type, comprising a stud member, a socket member having means therein to grip the stud member, and means to release the stud from the gripping means, including a push element having a curved surface intermediate its ends.

1,508,247. VOLATILIZING DEVICE. FRANK POLASKI, Granite, Okla. Filed July 24, 1923. Serial No. 653,527. 1 Claim. (Cl. 123—25.)



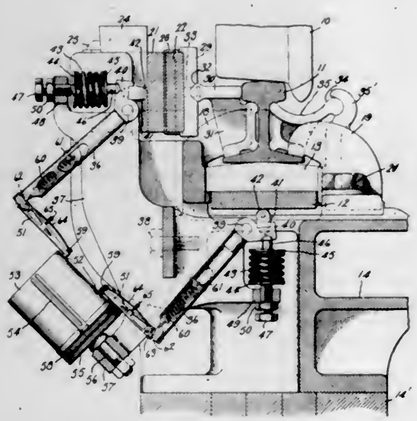
In combination with an internal combustion engine cooling radiator together with the upper flexible water connection thereof and the engine intake manifold, a valve controlled pipe line connecting the upper vapor space of said radiator and said intake manifold, the said pipe extending from said radiator vapor space through the upper portion of the radiator and through said flexible water connection, to a point adjacent the water jacket of the engine, thence through said flexible connection to the intake manifold.

1,508,248. RING SPINNING AND DOUBLING FRAME. THOMAS POTTER, Jr., FRED FIELDING, JAMES THOMAS FIELDING, and THOMAS POTTER, Oldham, England. Filed July 5, 1923. Serial No. 649,602. 7 Claims. (Cl. 118—50.)



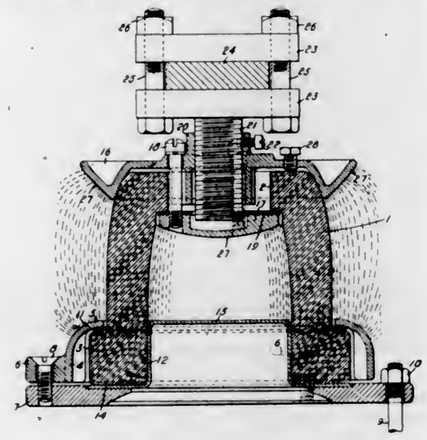
1. In a ring spinning and doubling frame, the combination of draw rollers driven at a constant speed; ring travellers of the usual bow construction; control rings lifting and falling with the said rail controlling the yarn and reducing friction between the ring and traveller; a ring rail lifting cam the centre of which is set back and which operates to lift the said rail at an increasing speed and lower the said rail at a higher speed which diminishes after the rail has fallen a short distance but remains at all times higher than the speed of lifting; and inclined spinning spindles mounted on the frame; with a guide member mounted behind the spindles on the ring rail and arranged higher than the control rings to prevent the yarn coils from leaving the tops of the spindles.

1,508,249. TEST TIE. WILLIAM B. POTTER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 24, 1920. Serial No. 391,461. 9 Claims. (Cl. 265—2.)



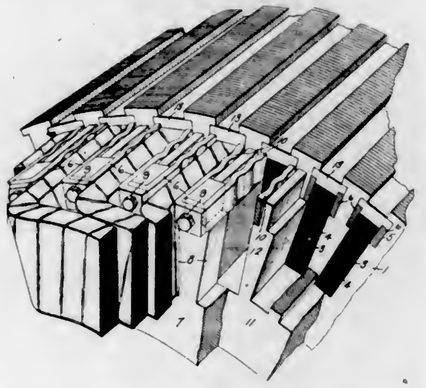
1. In an instrument for measuring the forces upon rails, a resilient support for the rail arranged to be deflected in response to loads on the rail, a resilient member arranged to be deflected in response to sidewise forces on the rail, a pair of indicating means operated respectively by the deflections of said resilient members, and means for simultaneously recording the deflections of said indicating means on a common record sheet.

1,508,250. INSULATOR. KARL C. RANDALL, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,720. 6 Claims. (Cl. 173—318.)



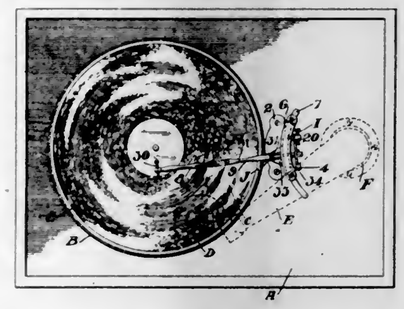
1. An insulator comprising a hollow insulating member having a perimetral transverse end flange, a metal terminal member having a portion disposed inside the insulating member and a metal terminal member disposed outside the insulating member, said terminal member being constructed to co-operatively clamp said flange between them and to co-operatively distribute the electrostatic field of the insulator.

1,508,251. DYNAMO-ELECTRIC MACHINE. HENRY G. REIST and EARLE S. HENNINGSEN, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Oct. 30, 1922. Serial No. 597,719. 9 Claims. (Cl. 171—206.)



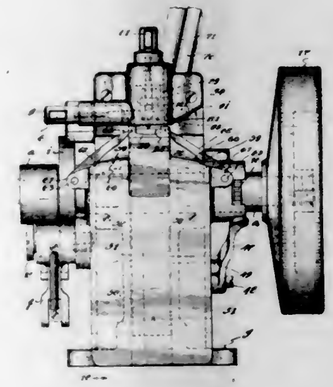
1. In a dynamo electric machine, a core member having slots therein, a plurality of windings having conductors in each of said slots, each of said slots having a reduced section throughout a portion of its depth, one of said windings comprising conductors disposed in the reduced section of said slots, and the other of said windings comprising conductors disposed only in the other portion of the slots and at the sides of the first mentioned conductors, said conductors in the reduced section of said slots being removable without interference with the conductors of said other windings.

1,508,252. AUTOMATIC STOP FOR PHONOGRAPHS. PAUL RICHTER, Daly City, Calif. Filed Mar. 26, 1924. Serial No. 702,017. 11 Claims. (Cl. 192—122.)



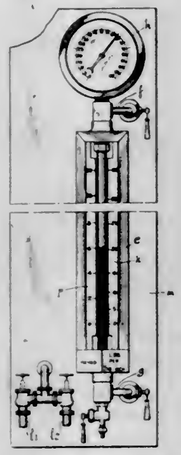
1. The combination with the turntable of a phonograph and a record supported thereby, of a tone arm movable across the face of the record, a manually adjustable member also movable across the face of the record, a brake mechanism engageable with the turntable to stop the same, and means carried by the adjustable member adapted to release the brake mechanism.

1,508,253. BUTTON-ATTACHING MACHINE. FREDERICK N. ROSS, Pontiac, Mich., assignor to Button Attaching Machine Co., Pontiac, Mich., a Corporation of Michigan. Filed Apr. 16, 1923. Serial No. 632,310. 17 Claims. (Cl. 218—4.)



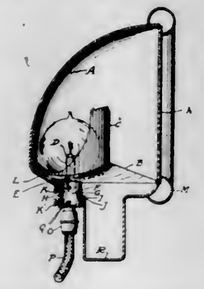
5. In a button attaching machine, the combination of a table for supporting the fabric, a button feeding chute discharging below the table, a ring forming means including a die located above the table, a vertically reciprocating plunger provided with a button receiving seat, and means for operating the plunger so that it receives the button from the chute below the table presents the button at the level of the table in idling position of the machine and raises the button into the ring forming mechanism when the machine begins to operate.

1,508,254. APPARATUS FOR AND METHOD OF CONTROLLING THE WATER LEVEL IN STEAM ACCUMULATORS. JOHANNES KARL RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Dec. 4, 1919. Serial No. 342,472. 5 Claims. (Cl. 73—54.)



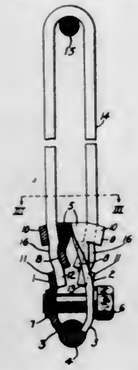
1. In a steam accumulator wherein the pressure varies between wide limits and in which there is a different water level corresponding to each pressure, the combination of a pressure operated gauge adapted to indicate the momentary pressure in the accumulator, a water column showing the water level in the accumulator, a scale for said water column having pressure graduations thereon, said pressure graduations indicating the pressure normally corresponding to each water level, so that by comparing the momentary reading of the pressure operated gauge and the graduation on the scale opposite the momentary water level, the deviation from normal relativity of pressure and water level may be obtained.

1,508,255. AUTOMOBILE LAMP. LEWIS E. SANDSTROM, Rexburg, Idaho, assignor of one-fourth to William H. L. Howard, Washington, D. C. Filed Sept. 2, 1920. Serial No. 407,601. 2 Claims. (Cl. 240—41.)



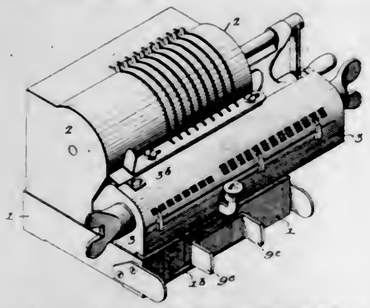
1. In a headlight, a main reflector the upper portion thereof being constructed on a semi-parabolic curve and the lower portion on a horizontal plane below the focal axis of the main reflector, a second curved reflector mounted at the front and upon the horizontal portion of the main reflector, a source of light mounted in a vertical position between the main reflector and the second curved reflector, and means for adjusting the source of light vertically to raise and lower it and on a horizontal axis to arrange the source of light either in a vertical or in an inclined position.

1,508,256. TROLLEY-CONDUCTOR HANGER. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1921. Serial No. 442,416. 11 Claims. (Cl. 191—40.)



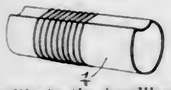
1. A conductor hanger device comprising a hanger rod of substantially uniform cross-sectional area throughout its length and a trolley-conductor clamp having a rod-receiving portion, said rod and said rod-receiving portion being held together by pressing the same after assembly.

1,508,257. CALCULATING MACHINE. OTTO P. SCHUMAN, Philadelphia, Pa., assignor to The Rapid Calculator Company, a Partnership composed of Richard C. Rosenthal and Otto P. Schuman, both of Philadelphia, Pa. Filed Nov. 8, 1919. Serial No. 336,595. 20 Claims. (Cl. 235—63.)



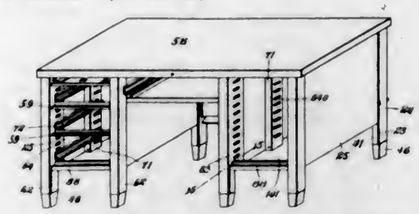
4. In a calculating machine the combination with a movable carriage, of a carriage engaging member normally disengaged from the carriage and having two distinct movements respectively for engaging and shifting the carriage, and an actuating member operatively associated with said engaging member and adapted by simple movement in a single straight line to give the engaging member successively the movements first to engage and then to shift the carriage.

1,508,258. BUNDLING DEVICE. WILLIAM H. SIKMA, Oakglen, Ill. Filed Oct. 12, 1921. Serial No. 507,292. 5 Claims. (Cl. 100—31.)



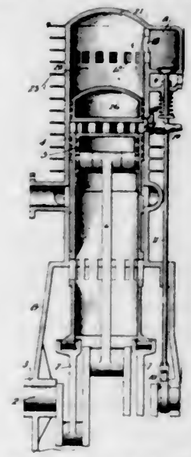
1. A device to facilitate the bundling of stalked vegetables, including a tube having an open end, said tube being mounted upon a support including a block, the cross sectional configuration of which is similar to that of the tube.

1,508,259. METAL DESK. ION A. STAFFORD, Jamestown, N. Y. Filed Oct. 27, 1919. Serial No. 333,705. 10 Claims. (Cl. 45—6.)



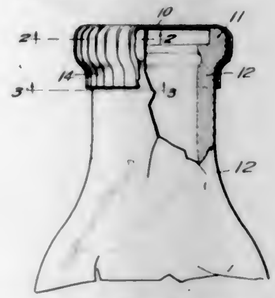
1. A metal desk, comprising a desk-top, a hollow supporting leg for the top, longitudinal and transverse panels joined to said leg by interlocking flanges on the vertical edges of said parts, a rectangular cleat secured at its ends to the underside of the desk-top and having its intermediate portion depressed and seated in the top of said leg and bearing at two sides against said flanges to hold them in locked position, and means for securing said cleat in said leg.

1,508,260. INTERNAL-COMBUSTION ENGINE. FRANK M. SUTTON, Modesto, Calif. Filed June 29, 1921. Serial No. 481,237. 1 Claim. (Cl. 123—50.)



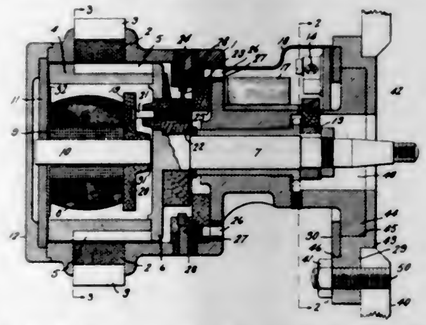
A two-cycle engine comprising a cylinder, a normally closed intake chamber partially surrounding the upper end thereof and having aligned openings forming communication between the chamber and cylinder, one of said openings being elongated to extend upwardly to the cylinder head, a valve for admitting fuel to the intake chamber, a hollow piston reciprocally mounted in the cylinder and forming a combined suction and compression chamber between the piston and cylinder head, the said piston having ports at the upper end thereof, a second piston reciprocally mounted therein to form a combustion chamber between the two pistons, a crank shaft, and links connecting the said shaft and pistons in opposed relation to each other, the upward stroke of the hollow piston adapted to compress the fuel charge in the combined suction and pressure chamber, by-passing the same initially through the aligned openings and finally through the elongated opening to the intake chamber and thence through the ports in the hollow piston to the combustion chamber, and an ignition device in the cylinder wall for firing the charge therein and an exhaust chamber having ports between it and the chamber, said hollow piston having ports adjacent its lower end for registration with the ports of the exhaust chamber to effect discharge of burnt gases, the lower ports of the hollow piston registering with said ports of the exhaust chamber simultaneously with registration of the upper ports of the hollow piston with the ports of the intake chamber so that upon recharging of the combustion chamber the incoming gases assist in removal of the burnt gases into the exhaust chamber.

1,508,261. CLOSURE FOR BOTTLES. CHARLES W. TOOKE, Syracuse, N. Y., and FREDERICK B. LA FORGE, Washington, D. C. Filed MAR. 22, 1923. Serial No. 626,911. 9 Claims. (Cl. 215—38.)



1. A closure adapted for use by closing over the bead of a bottle neck and composed of a material adapted to be softened by heat to facilitate fitting over the bead of the bottle and rigidified by cold and incapable of being again softened by heat after such rigidification.

1,508,262. IGNITION GENERATOR. ARTHUR PRIMROSE YOUNG, Kenilworth, England, assignor to General Electric Company, a Corporation of New York. Filed July 26, 1920. Serial No. 399,034. 6 Claims. (Cl. 125—49.)

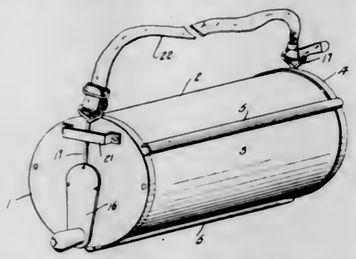


1. An ignition generator unit comprising in combination, a stator, a rotor, cooperating ignition breaker elements mounted one on said stator and one on said rotor, a supporting plate for said stator adapted to be secured in face to face contact with an engine casing, said rotor having a driving shaft extending through an opening in said plate, said stator having a circular flange fitting in a corresponding cylindrical recess in said plate, and a retaining ring secured to said support for preventing separation of said stator from said recess.

1,508,263. CLOTHESLINE REEL. WILLIAM T. YOUNGER, St. Louis, Mo. Filed July 12, 1923. Serial No. 651,156. 4 Claims. (Cl. 242—101.)

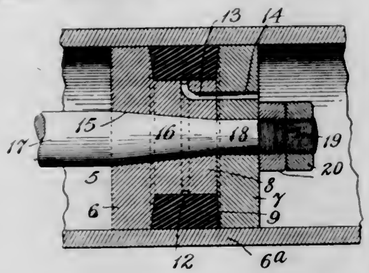
1. In a device of the character specified, a casing including circular heads having inwardly disposed flanges at their outer edges, a circular wall attached to the heads

and spaced inwardly from the flanges thereof a short distance, a cover for closing an opening in a side of the casing and having its edges mounted in the spaces formed



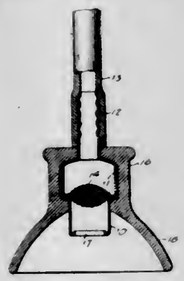
between the inner flanges of the heads and the said circular wall, and the edges of said cover rolled back on themselves and provided with notches to receive the flanges on the casing heads.

1,508,264. PISTON STRUCTURE. ARTHUR LEON ARMENTROUT, Whittier, Calif., assignor of one-half to The Gulberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed July 2, 1923. Serial No. 649,133. 3 Claims. (Cl. 74—109.)



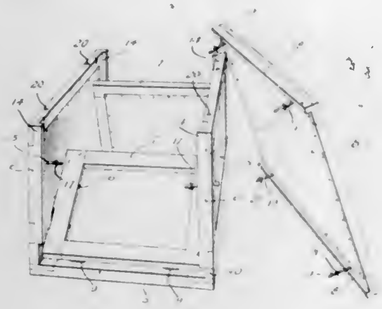
1. A piston structure comprising a head having a flared annular groove, and a flared elastic sleeve fitting said groove and coacting with the walls thereof so that the ring normally tends to move circumferentially beyond the walls of the head and into effective sealed engagement with the walls of a cylinder, the maximum width of the sleeve being contained in that portion of minimum width of said groove.

1,508,265. WASHING APPLIANCE. HUBERT BAILEY, New York, N. Y. Filed May 19, 1923. Serial No. 640,147. 2 Claims. (Cl. 15—127.)



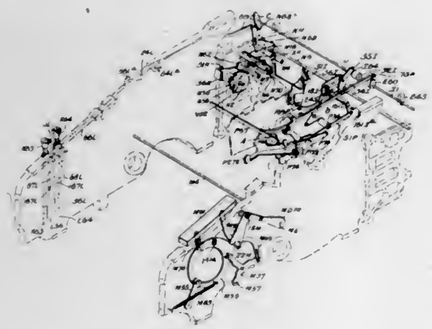
1. A washing tool, comprising a nozzle having an annularly enlarged portion back of its outlet end, a double convex screen in said enlarged portion, and a flexible rubbing member surrounding the outlet end of the nozzle and having an internal recess receiving the enlarged portion of the nozzle.

1,508,266. SHIPPING CASE. CHARLES ERNEST BARBIE, Brattleboro, Vt. Filed Aug. 31, 1923. Serial No. 660,379. 1 Claim. (Cl. 217—15.)



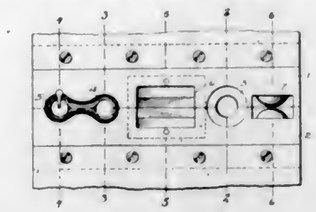
In a shipping case, a bottom section, spacing strips of different depths secured along longitudinal edges of said bottom section, end sections pivotally connected to said bottom section and being of a thickness substantially equal to one of said spacing strips, side sections having flanges at the ends thereof adjacent which said end sections nbut to limit the outward movement of said end sections, the combined thicknesses of one of said end sections and one of said side sections bejng substantially equal to the depth of the other spacing strip, bolts extending through said adjacent members of said side and end sections, nuts on said bolts engageable with edges of said members to secure said sections together, a top section having flanges along longitudinal edges thereof for receiving therebetween said side sections, bolts extending through said members of said top and side sections, and nuts on the last-named bolts engageable with edges of the latter members to secure said top in closing position.

1,508,267. OVERDRAFT KEY-LOCKING AND INDICATING MECHANISM FOR CALCULATING MACHINES. FREDERICK W. BERNAU, Hillside, N. J., assignor to Ellis Adding Typewriter Company, Newark, N. J., a Corporation of New Jersey. Original application filed Oct. 31, 1922, Serial No. 598,155. Divided and this application filed June 4, 1924. Serial No. 717,782. 23 Claims. (Cl. 235—130.)



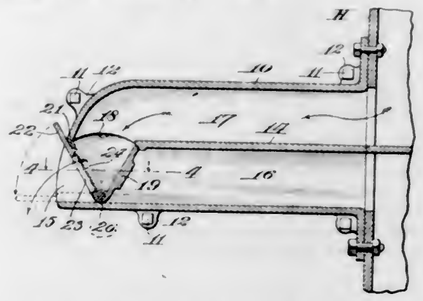
1. In a calculator, the combination with an accumulator, of a key for controlling the printing of the condition of the accumulator, and means adapted to automatically, and invariably, lock said key each time an "overdraft" occurs in the accumulator.

1,508,268. METHOD FOR FORMING DRILL BITS. JAMES J. BROSSOIT, Salt Lake City, Utah. Filed Apr. 2, 1923. Serial No. 629,530. 4 Claims. (Cl. 76—108.)



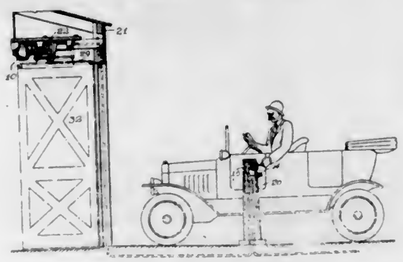
1. A method of forming and assembling drill bits, which comprises subjecting one end of a bit to two pressure operations to form a circular taper thereon, and then subjecting it to a pressure operation to form a longitudinally tapered groove in said end.

1,508,269. PUMP SPOUT. CLARENCE C. CHRISMAN, Martinsburg, Mo. Filed June 12, 1923. Serial No. 644,878. 7 Claims. (Cl. 103—217.)



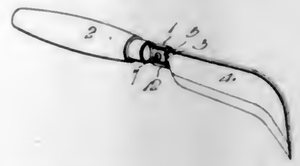
1. The combination with a pump spout, of adjustable means associated with the discharge end of the spout for causing the pumped water to pass throughout and discharge from said spout or for causing said pumped water to return through said spout to the well or receptacle with which the pump and its spout are associated.

1,508,270. DOOR-OPERATING DEVICE. CLYDE A. CONNELLY, Shelby, Ohio. Filed Feb. 18, 1921. Serial No. 446,012. 4 Claims. (Cl. 268—9.)



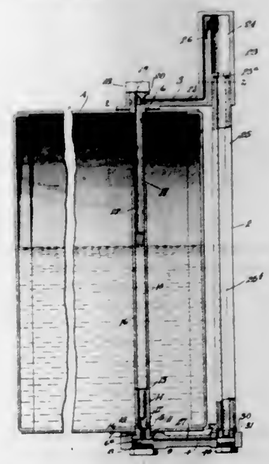
1. A closure operating device, including in combination with swinging doors, of pivotally mounted levers having one of their ends slidably secured to said doors, said levers extending beyond the points of pivotal mounting, and being formed with longitudinally extending slots, a slidably mounted traveler, means extending through said slots and being connected to said traveler, a motor, an endless member operated by said motor, and means engaging said traveler to said endless member.

1,508,271. TOOL HANDLE. JOSEPH COSTELLO, New York, N. Y. Filed Apr. 9, 1923. Serial No. 630,887. 1 Claim. (Cl. 279—86.)



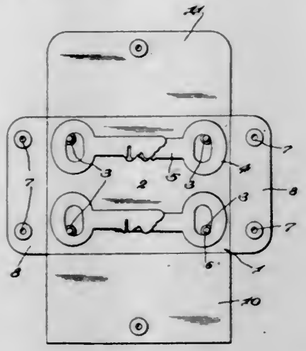
A tool holder comprising a handle, a T-shaped piece of metal whose shank is secured to said handle and whose head extends unequal distances beyond opposite edges of said shank, both end portions of said head being bent laterally to engage the edges of a tool shank, the longer end of the head being then bent inwardly in parallel relation with the portion of the head between the first named bends, providing a rectangular receiving socket for the tool shank and a flexible side wall for said socket, and a fastener passing transversely across the socket and extending through said flexible side wall for the purpose of drawing said wall inwardly toward the other side to frictionally clamp the tool shank in place.

1,508,272. LIQUID-LEVEL GAUGE. JAMES S. CUFF, Vallejo, Calif. Filed Mar. 30, 1921. Serial No. 457,125. 14 Claims. (Cl. 73—34.)



1. The combination of a tank having a pair of aligned perforations formed therein, one in the top and the other in the bottom of the tank, upper and lower head members having their inner ends registering with the respective perforations in the tank and having their outer ends extending outwardly beyond the side of the tank, said heads having passages formed therein and communicating with the tank through said perforations, a tubular gauge between the outer ends of said head members, means whereby to connect the gauge to said head members, the gauge having communication with the passages of the head members so as to indicate on the gauge the level of the liquid in the tank, connecting means extending through the head members and through the tank for drawing the head members tightly against the tank and provided with means interior of the tank to provide for the passage of liquid from the tank through the passages of said head members, and a safety valve disposed within said connecting means to prevent flow of liquid from the tank in event of breakage of the gauge glass.

1,508,273. KEY HOLDER. CLARENCE B. DAVIDSON, Unionville, Mo. Filed Jan. 15, 1923. Serial No. 612,693. 2 Claims. (Cl. 150—40.)



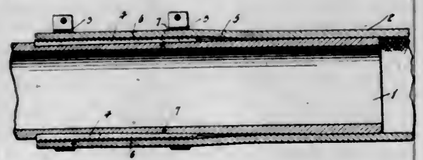
1. In a key holder, a case, post members carried by said case at each end thereof, end flaps on said case, male snap fastener sections carried by said end flaps to permit connection of the end flaps and posts for holding keys upon the post.

1,508,274. SWIMMING SUIT. BARTHOLD DE MATTIA, Clifton, N. J. Filed June 21, 1923. Serial No. 646,892. 3 Claims. (Cl. 9—20.)



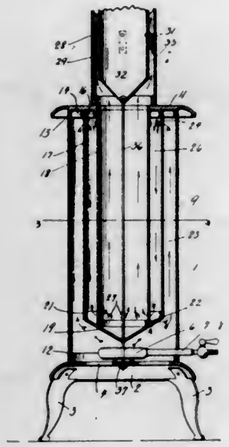
1. A swimming suit comprising a pair of structures carrying buoyant means, said structures being flexibly joined to provide a head opening therebetween and including auxiliary flexible elements whereby the suit may be secured to a person to dispose one structure in front of and the other structure over the back of the body; said structures being so shaped and arranged that the buoyant means of the first mentioned structure is of such shape and size as to be limited to a position between the chin and a point below the chin such as to localize, above the merging line of breast and abdomen, the point of buoyant suspension of the person when the body of the latter responds to an upward pull exerted by the buoyancy of the second mentioned structure.

1,508,275. HOSE CONNECTION. RILEY M. DODD, Torrance, Calif. Filed Apr. 3, 1924. Serial No. 704,031. 6 Claims. (Cl. 285—84.)



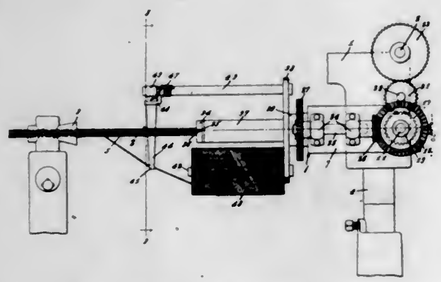
1. A hollow member provided with a sloping surface, a toothed slip slidably positioned on said surface, and means for limiting the movement of the slip with respect to the member.

1,508,276. RADIATOR. ARTHUR W. EDWARDS, Sacramento, Calif. Filed Apr. 22, 1922. Serial No. 556,053. 2 Claims. (Cl. 126—85.)



2. In a heat radiator of the character described, a base plate, a shell mounted thereon, a top plate supported on the shell, a chimney pipe resting on the top plate and having an inner tube mounted therein with a deflecting bottom adapted to deflect the products of combustion toward the chimney pipe, and means for vertically binding the various members comprising a rod extending through the deflecting bottom of the chimney tube and the base plate and having means at either end for holding the same against removal.

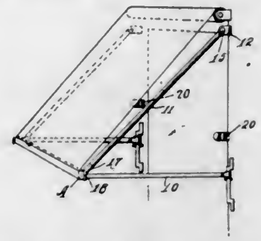
1,508,277. WRAPPING MACHINE. EDWARD W. EDWARDS, Rock Hill, S. C. Filed Aug. 20, 1923. Serial No. 658,337. 3 Claims. (Cl. 28—24.)



1. In a device of the class described, a bracket having angularly disposed flanges, a guide, means for mounting the guide on one flange for movement in an orbit and means for operating the guide, said means comprising gearing located on both flanges of the bracket.

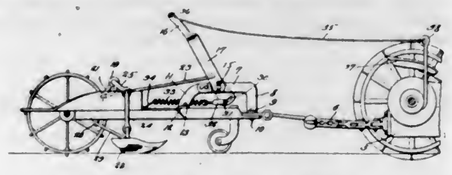
1,508,278. AWNING DEVICE. WILLIAM E. FARMER, Lake Andes, S. Dak. Filed Dec. 17, 1921. Serial No. 523,145. 2 Claims. (Cl. 156—15.)

2. The combination with an awning including a frame, of a pair of rods having their upper ends pivoted upon the support for said frame, and normally arranged in parallelism with said support, resilient clamps arranged on the support and adapted to embrace said rods for holding the latter in their normal positions, a sleeve fitted on the free end of each rod, and each sleeve including an enlarged portion having a notch adapted to receive



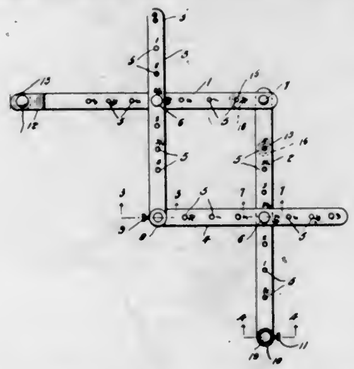
the adjacent members of the awning frame, when said rods are arranged obliquely to the said support in position for use.

1,508,279. ONE-MAN MOWER CONTROL. DANIEL JORDAN, Harrison, Nebr. Filed July 2, 1923. Serial No. 649,066. 1 Claim. (Cl. 56—25.)



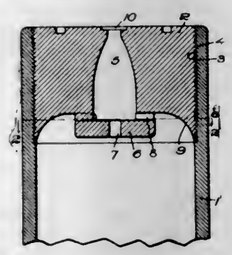
A cutter bar operating device for mowers, including a supporting member, an arm pivotally mounted on the supporting member, a rod associated with the supporting member and disposed at the rear thereof, said rod having right angled ends, pivoted means for connecting one of the right angled ends to a cutter bar, a connecting rod for connecting the opposite right angled end of the rod to the operating arm, said arm having a slot formed therein, a coiled spring having one end anchored remote from the arm, means disposed in the slot and having connection with the spring to expand the spring when the arm is moved to lower the cutter bar, and said spring being adapted to assist in returning the arm to its normal position.

1,508,280. PANTOGRAPH. HUGO C. KAY, Cincinnati, Ohio. Filed May 8, 1923. Serial No. 637,557. 2 Claims. (Cl. 33—25.)



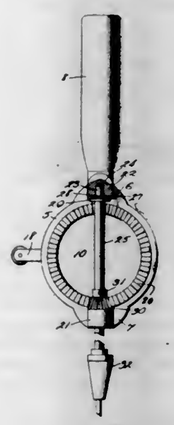
1. A pantograph comprising bars pivoted together to form a jointed parallelogram, the said bars extending beyond one pair of diametrically opposite pivots, a tube at the outer free end of one of the bars to receive a stylus, and a tube pivotally connecting two of the remaining bars and adapted to receive a stylus, flanged nuts adapted to be fitted in opposite ends of either one of said tubes, and a threaded stylus coacting with the flanged nuts to secure the same to the tube.

1,508,281. SPRAY NOZZLE. CHARLES KELLY, Boston, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1920. Serial No. 372,991. 7 Claims. (Cl. 299—115.)



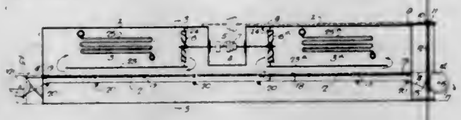
2. A spray nozzle comprising a shell or casing 1, a unitary terminal member inserted in the shell or casing, said terminal member having formed therein a mixing chamber having outwardly converging side walls, said chamber being provided near one end with a series of circumferential inlets for the liquid and at its opposite end with a single outlet, said terminal member being shaped at its inner end to direct the liquid to said circumferential inlets.

1,508,282. DRILLING MACHINE. EDWIN A. KENYON, Hamilton, Ontario, Canada. Filed Mar. 13, 1920. Serial No. 365,683. 2 Claims. (Cl. 145—66.)



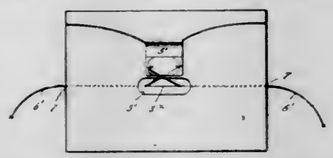
1. In a hand drill, the combination of an annular frame, a rib dividing the inner circumference of the frame into sections, a drive wheel mounted to revolve within the frame having a pair of annular grooves which coact with said sections forming a pair of ball races, an annular ring secured to said wheel and over-lapping the edge of said frame, diametrically opposed bearings formed integral with said frame, a spindle mounted to revolve in said bearings, a bevel gear fixed to said spindle, gear teeth formed around the peripheral edge of the drive wheel and meshing with said bevel gear, and means for imparting movement to said drive wheel.

1,508,283. DRIER. EDGAR B. KERST, Providence, R. I., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 15, 1923. Serial No. 657,578. 4 Claims. (Cl. 34—12.)



2. The combination in a drier, of a horizontal partition extending the full length of the drier; an endless conveyer, the carrying run of the conveyer being located above the partition; two circulating chambers spaced apart and located above the carrying run of the conveyer; a circulating fan in each chamber; and means for driving the fans so that the air in one chamber is circulated in a direction opposite to the circulation of air in the other chamber.

1,508,284. SAFETY ENVELOPE. JOSEPH KOVACS and SANDOR MESZAROS, Denbo, Pa. Filed Jan. 7, 1922. Serial No. 527,690. 2 Claims. (Cl. 225—84.)



1. In an envelope of the class described having a T-shaped tongue on its closing flap and a slot in its rear side for receiving the tongue, the arms of the T being folded to permit them to pass through the slot, means for unfolding the arms after they pass through the slot, such means including threads connected with the ends of the arms and acting as opening means for the envelope.

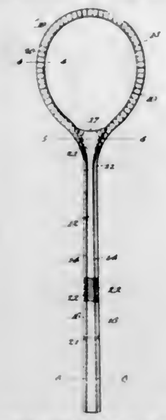
1,508,285. MANHOLE COVER. CLOYD E. LEECH, Lima, Ohio. Filed June 8, 1922. Serial No. 566,818. 1 Claim. (Cl. 137—13.)



In combination, a manhole casing, a flange extending inwardly and inclined upwardly of said casing, a manhole cover for said casing, a collar extending from the under face of said cover adjacent one end having a slot formed therein, a bolt having an opening therein rotatably mounted on said collar and having one of its ends extending through said slot to engage said inclined flange and means cooperating with the opening of said bolt to rotate said bolt and adapted to raise said cover.

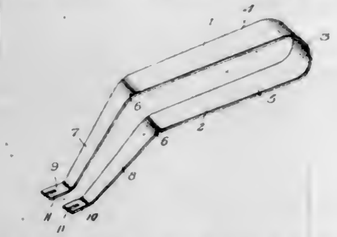
1,508,286. RACKET. ROBERT MOORE, Montclair, N. J. Filed Aug. 12, 1922. Serial No. 581,469. 1 Claim. (Cl. 46—24.)

A racket of the character described comprising a handle having its upper end widened and said widened end being provided with grooves formed in its side walls, a piece having a portion formed concavo-convex in cross section and rounded upon itself to provide a head rim having a portion thereof received in the grooves, said piece from the head rim being flat in cross section to provide handle parts secured to the sides of the handle, a substantially semi-circular in cross section piece surrounding the concavo-convex portion and secured in the concavity thereof, handle strips formed on the substantially semi-circular piece and being secured to the handle parts, said concavo-convex portion being provided with



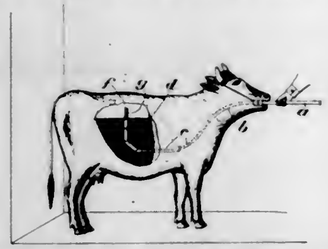
openings aligned with openings of smaller diameter in the semi-circular piece and said handle parts having openings as and for the purpose specified.

1,508,287. LACE-CURTAIN-STRETCHING TOOL. HUGH F. MORAN, Chicago, Ill. Filed Mar. 6, 1922. Serial No. 541,410. 2 Claims. (Cl. 294—99.)



1. As a new article of manufacture, a curtain stretching tool formed of a single piece of metal bent to provide substantially parallel lengths having its intermediate portion forming a resilient connection between said lengths, the major portion of said lengths providing hand grips, engaging jaws curved transversely, and angularly disposed portions connecting said jaws and hand grips, said angularly disposed portions being disposed in an inclined plane.

1,508,288. DEFLATING PIPE FOR THE STOMACHS OF RUMINANTS. ARNOLD NÜESCH, Basel, Switzerland. Filed July 8, 1921. Serial No. 483,282. 1 Claim. (Cl. 128—336.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A deflating tube for the stomachs of ruminants, consisting of a rigid section, a flexible section secured thereto, and a third section secured to said flexible section,

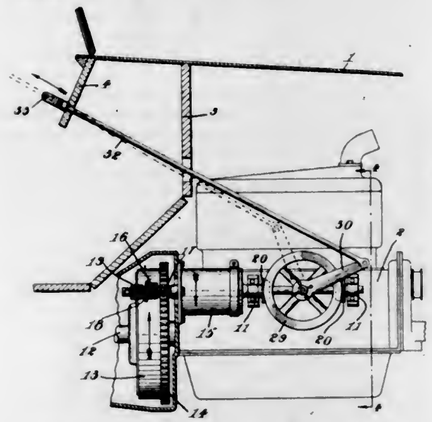
consisting of a plurality of portions pivoted to each other in such manner as to permit pivotal movement of said portions in only one direction with respect to the common longitudinal axis of the three sections.

1,508,289. ACCELERATOR FOOT REST. JOEL E. OLIVER, Santa Barbara, Calif. Filed Sept. 4, 1923. Serial No. 660,899. 1 Claim. (Cl. 74—81.)



A foot rest of the character described comprising a top plate having a knurled upper surface, a pair of apertured ears each depending from the side edges of the top plate and being arranged slightly beyond its central portion, a base plate provided with end openings, screws countersunk in said openings for securing said base plate in fixed position, apertured ears rising from the ears of said base plate and being associated with apertured ends of the top plate in a manner whereby the apertures register, a headed pin passing through the registered apertures for pivotally mounting said plates, a spring having one end riveted to the base plate midway its ends and from its connection said spring curves upwardly to engage the top plate adjacent their end remote from its pivot point and said last mentioned end of said top plate being adapted to engage an accelerator pedal as and for the purpose specified.

1,508,290. COMBINATION STARTER FOR AUTOMOBILES. OSBORNE H. PARSONS, Halifax, Nova Scotia, Canada. Filed Jan. 8, 1924. Serial No. 685,072. 5 Claims. (Cl. 74—7.)

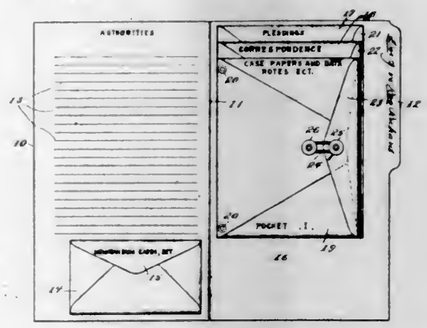


1. In combination with the drive shaft of an electric starter for automobiles, a pair of pinions carried by said shaft, clutch connections between the shaft and the pinions whereby the latter are adapted to turn the shaft in one direction and to rotate idly in the opposite direction, and a gear meshing with said pinions for turning the same.

1,508,291. DISPENSING FAUCET. WILLIAM S. PENFIELD, San Francisco, Calif., assignor of one-half to Chadwick Thompson, San Francisco County, Calif. Filed Jan. 12, 1924. Serial No. 685,879. 1 Claim. (Cl. 251—167.)

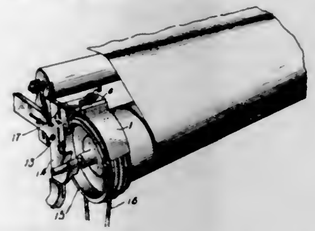
A dispensing faucet comprising a substantially cylindrical housing having an annular valve seat formed concentric therewith, a cage disposed concentric with the housing extending through and beyond the valve seat to form a second valve seat, a valve stem slidable in said sleeve and extending through the cage into the valve head, and a spring bearing on a seat in the cage and acting on the stem and tending to seat the valve head, the closed end of the sleeve bearing on the valve stem for opening the valve when the sleeve is advanced.

1,508,292. FILE. CLARENCE E. PILE, Parsons, Kans. Filed May 20, 1922. Serial No. 562,375. 2 Claims. (Cl. 129—1.)



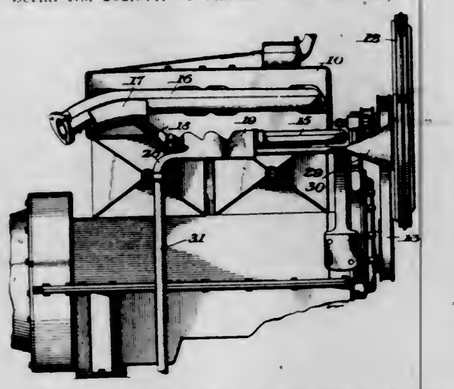
1. A file including a sheet of stiff material creased longitudinally to form complementary sections, a plurality of superimposed envelopes each of which being slightly smaller than the other so that their upper ends project one above the other, and a common fastening passing through the envelopes to one of the sections.

1,508,293. ROPE FRICTION SEPARATOR DEVICE. CHARLES A. PILGER, Scranton, Pa. Filed Apr. 7, 1923. Serial No. 630,601. 4 Claims. (Cl. 188—77.)



2. A device as specified in claim 1 with means for adjustably securing the same to the frame of a loom.

1,508,294. HYDROCARBON MOTOR. DONALD H. REEVES, Detroit, Mich., assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1917. Serial No. 202,677. 4 Claims. (Cl. 183—38.)



1. In a hydrocarbon motor, in combination, a means providing an air intake for a carbureter, an air chamber connected to said intake, a fan driven by the motor, a conduit leading from a point adjacent said fan to said chamber, and baffles in said chamber so arranged as to separate the dust from the air passing to the carbureter intake.

1,508,295. RAZOR-BLADE HOLDER. EUGENE RENAUD, Montreal, Quebec, Canada. Filed Oct. 1, 1923. Serial No. 665,935. 2 Claims. (Cl. 30—25.)



1. A razor blade holder comprising a pair of strips, each of said strips having a pair of perforations therein, teeth projecting from each of said perforations, the teeth on one of the strips pointing oppositely to the teeth of the remaining strip, one of said strips having a tongue at one end, an inclined portion formed at the corresponding end of the other strip, said portion having an aperture cut therethrough adapted to receive said tongue.

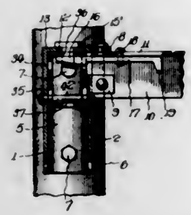
1,508,296. COLLAR BUTTON. EUGENE RENAUD, Montreal, Quebec, Canada. Filed Nov. 12, 1923. Serial No. 674,821. 1 Claim. (Cl. 24—101.)



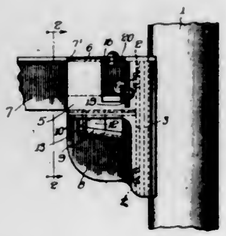
A collar button comprising a back, a pair of stems formed thereon and lying in a plane substantially perpendicular to that of the back, heads extending from said stems and lying in a plane substantially parallel to that of the back, said heads pointing in opposite directions, the side edges of said heads being rounded.

1,508,297. CORNER LOCK FOR BEDSTEADS. HENRY RICHARDSON, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 519,870. 18 Claims. (Cl. 5—290.)

1. In a corner lock for bedsteads, the combination with a box bracket and a side rail having an end portion adapted to engage a locking member on said bracket under a vertical sliding movement, of means for locking said end portion to a horizontal plate of said bracket, and interfitting means on a side wall of said bracket and a vertical limb of said end portion, brought into engagement under said vertical sliding movement co-operating with said first-named locking means to oppose relative angular movement in a vertical plane of said bracket and side rail.

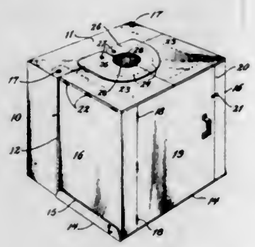


1,508,298. CORNER LOCK FOR BEDSTEADS. HENRY RICHARDSON, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 519,872. 10 Claims. (Cl. 5—290.)



1. In a corner lock for bedsteads, the combination of a bracket a side rail end portion engaged with the said bracket, a wedge-shaped member supported by the said bracket and having its wider end facing the inner end of the latter, said wedge-shaped member serving to clamp the said rail end portion to the said bracket by means of an inclined sliding movement outwardly of the said bracket.

1,508,299. CABINET. SEM ROSENTHAL, New York, N. Y. Filed Apr. 29, 1924. Serial No. 709,871. 2 Claims. (Cl. 4—164.)



1. A cabinet comprising a housing open at one side, a bottom hingedly connected to said housing, side walls hingedly connected to said housing, a door hingedly connected to one of said side walls, cover sections hingedly connected to the tops of said side walls and being cutaway to define an opening when in co-acting position for

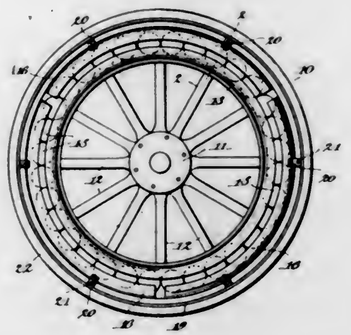
permitting the head of a person to be inserted therethrough, and a pair of pivoted plates carried by said housing for completely closing the opening after the head has been inserted therethrough.

1,508,300. TASSEL. ABRAHAM SACKS, Brooklyn, N. Y. Filed Dec. 3, 1921. Serial No. 519,644. 1 Claim. (Cl. 2—278.)



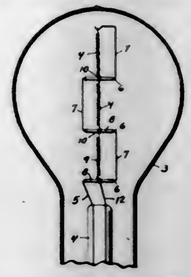
In a tassel, a mold provided with a longitudinal passage, an attaching cord passing through said longitudinal passage and secured therein, a tassel bunch carried by the mold and having its upper end contracted around the cord passed through the tassel mold and a finish in the form of a coiled resilient member adapted to be passed over the mold and into engagement with the tassel bunch to cause the same to frictionally engage the tassel mold, said finish being bodily removable from the mold.

1,508,301. VEHICLE WHEEL. JOHN SCHLATTER, Rochelle Park, N. J. Filed Feb. 26, 1923. Serial No. 621,313. 2 Claims. (Cl. 152—36.)



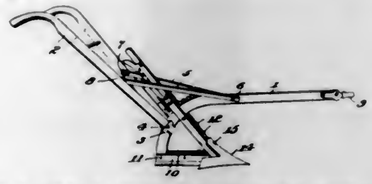
1. In a vehicle wheel, the combination with a felly having a continuous semi-circular groove therein, a rim, a tread surface formed on said rim, a plurality of segmental sections each having a semi-circular groove therein extending the length of the same, spherical cushioning members interposed between said felly and said segmental sections and seated in the semi-circular grooves of the same, and means for removably securing said segmental sections to said rim.

1,508,302. INCANDESCENT LAMP. CYRIL COLEMAN SCHNEE, Toronto, Ontario, Canada. Filed Sept. 22, 1922. Serial No. 589,894. 12 Claims. (Cl. 176—39.)



4. In an incandescent lamp, a flexible unit support including a leading-in wire having supporting portions, fused silica sleeves mounted on said portions, and a filament having portions wound about said sleeves.

1,508,303. PLOW. HERMAN A. SMITH, Florence, S. C. Filed Apr. 19, 1923. Serial No. 633,101. 2 Claims. (Cl. 27—102.)



1. In a plow, a beam, one end of said beam being curved, slide rests attached to the curved end of said beam, standards pivotally attached to said slide rests, said standards being placed on either side of said beam to act as a brace therefor, said standards being connected together above and below said beam to act as a brace therefor, a sweep attached to said standards, and means on said standards co-operating with means on said beam to set said standards at different angles to said beam.

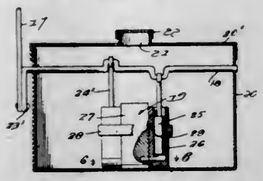
1,508,304. BOILER. JOHN PENDREIGH STODDART, Arica, Chile. Filed Oct. 9, 1922. Serial No. 593,380. 4 Claims. (Cl. 126—20.)



1. In a cooking apparatus, a casing having superimposed compartments therein, the lowermost compartments providing an oven, the next compartment providing a water tank, and the remaining compartments providing cooking compartments, means admitting water into the water compartments, a heater in the oven directly below

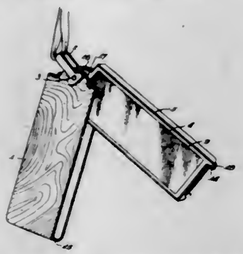
the water compartment, means delivering steam generated in the water compartment below and around the cooking compartments, and means also delivering steam from the water compartment to the rear and below the oven compartment.

1,508,305. OIL PUMP. DAVID STONG, Devils Lake, and OLEN J. ROCK, Cando, N. Dak. Filed July 9, 1921. Serial No. 483,436. 1 Claim. (Cl. 184—34.)



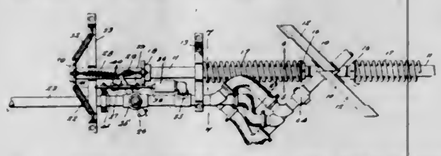
A lubricating device comprising a tank having a block located therein and mounted upon the bottom thereof, said block being provided with oil ducts, tubes passing through the side of the tank and connected with the block at the oil ducts, cylinders mounted at the opposite sides of the block and having passageways which communicate with the oil ducts in the block, a yoke mounted upon the side of the tank and having pivots which engage the cylinders, said yoke holding the cylinders against the block, pistons loosely mounted in the cylinders, a crank shaft journaled in the tank, and means operatively connecting the crank shaft with the pistons.

1,508,306. FOLDING COMB AND MIRROR. DAVID STRULSON, Bronx, N. Y. Filed June 3, 1924. Serial No. 717,615. 5 Claims. (Cl. 132—79.)



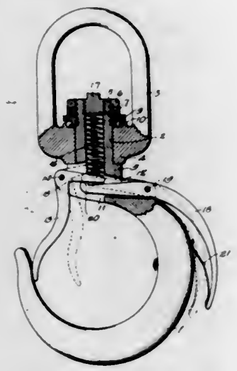
1. A folding mirror and comb comprising a substantially U-shaped frame, a mirror, a casing carrying said mirror pivotally connected with said frame so as to swing into and out of the frame, a comb, and means for retaining the comb in said casing when not in use, said means holding the comb in the casing in such a manner that the camb is adapted to swing into and out of said frame with the mirror.

1,508,307. HOSE COUPLING. CARL E. TALLY, Crawford, Tex., assignor of one-half to Uberto D. Ezell, Cleburne, Tex. Filed July 11, 1923. Serial No. 650,952. 4 Claims. (Cl. 285—24.)



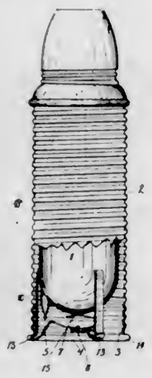
1. An automatic coupler of the class described comprising a coupling head, a shaft supporting said head and mounted for sliding movement, an expansion spring surrounding said shaft, a plurality of pipes terminally connected with said head, valves in said pipes, means for automatically opening and closing said valves upon movement of said shaft in opposite directions, a lever included in said means, and opposed springs having their adjacent extremities connected with said lever as and for the purpose specified.

1,508,308. SAFETY HOOK. FRANK CLYDE THOMPSON, Shreveport, La. Filed Jan. 8, 1924. Serial No. 685,022. 4 Claims. (Cl. 24—241.)



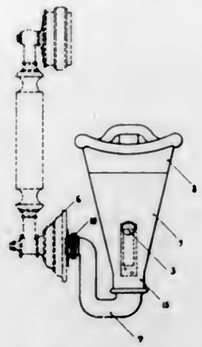
1. A device of the character described, comprising a hook, a keeper normally in position across the entrance of the hook, and a hand lever independent of the keeper pivotally connected to the hook and adapted to move the keeper to its releasing position.

1,508,309. MEANS FOR SUPPORTING VACUUM-JACKETED BOTTLES OR OTHER RECEPTACLES WITHIN INCLOSING CASINGS THEREFOR. EUGEN URBAHN, Berlin, Germany. Filed Feb. 14, 1924. Serial No. 692,877. 4 Claims. (Cl. 215—13.)



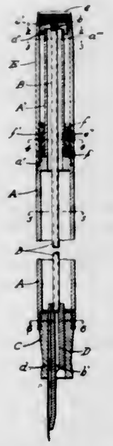
1. A device of the type described for resiliently supporting a vacuum-jacketed bottle or receptacle within an inclosing casing, comprising a number of radially arranged metallic strips firmly interconnected at their meeting point, feet (13), formed in said strips by bending, upstanding resilient arms (10, 11, 12) projecting from said feet, and a means over and above the said meeting point and spaced therefrom for yieldingly supporting the bottom of the bottle or receptacle, substantially as described.

1,508,310. TELEPHONE MOUTHPIECE. FREDERIK LEENDERT VAN HOUTE, The Hague, Netherlands. Filed Aug. 28, 1923. Serial No. 659,795. 3 Claims. (Cl. 179—188.)



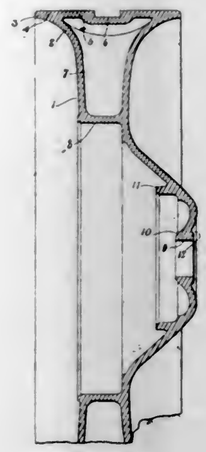
1. A mouthpiece for telephone transmitters, dictaphones and the like adapted to make the conversation inaudible to persons near the instrument, comprising a relatively rigid funnel-shaped horn, a second funnel-shaped horn in the larger end of the first named horn and forming an extension thereof, said second named horn being relatively flexible and being provided with a perforated bottom and being further provided at its open end, which is arranged to bear against the face, with a flexible edge of soft material.

1,508,311. FOUNTAIN PEN. FRANCIS W. VAUGHN, Medford, Mass., assignor to Vaughn-Upton Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1922. Serial No. 580,324. 4 Claims. (Cl. 120—47.)



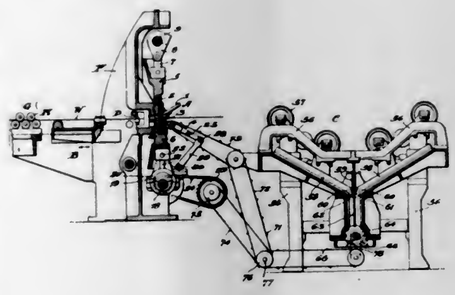
1. In a fountain pen, a barrel, having at its rear end an air aperture and having also a second aperture at its rear end; a pen section seated in the front end of the barrel and having separate ink and air apertures therethrough; a pipe within the barrel, connecting the pen section air aperture with a rear aperture to form an air passage through the barrel; a sleeve closed at its rear end and fitting air-tight and slidable upon, the rear end of the barrel, to withdraw air from the barrel through the second rear air aperture into the sleeve upon the rearward stroke and expel it through the pipe on the forward stroke.

1,508,312. WHEEL. GEORGE WALTHER, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed May 31, 1922. Serial No. 564,773. 6 Claims. (Cl. 301—65.)



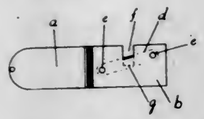
3. A metal wheel consisting of hollow spokes and a concave convex hub having an inwardly projecting flange forming an axle bearing, a self cleaning entrance for said bearing, an annular flange within the concavity of the hub forming a bearing support, an annular flange concentric with the axle bearing extending inwardly adjacent the concavity of said hub and forming one element of the brake mechanism of said wheel, and a rim consisting of a single wall merging into the outwardly flaring arch-shaped spoke ends of the spokes.

1,508,313. MACHINE FOR MAKING WIRE FABRIC. HERBERT E. WHITE and THOMAS H. KANE, Youngstown, Ohio, assignors to The Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed May 11, 1922. Serial No. 560,177. 25 Claims. (Cl. 140—11.)



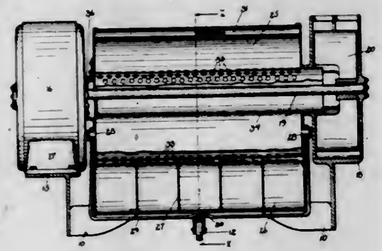
1. A wire fabricating machine, including an anvil die, having means for positioning angularly disposed wires at their point of intersection and means at one of its sides for looping the legs of a staple, and a staple plunger die that has a portion slidable along said side of the anvil die, said portion of the plunger die having an open side for receiving and holding a tie staple in rear of its end and carrying it to a position to cause it to be looped by the anvil die.

1,508,314. SHARPENER FOR SCISSORS AND TOOLS HAVING SIMILAR CUTTING EDGES. ALFRED WILLIAMS, HENRY GRAVILLE BENNETT, and IVO ROWE, Sheffield, England. Filed May 7, 1923. Serial No. 637,082. 4 Claims. (Cl. 76—88.)



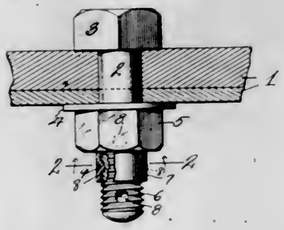
1. A sharpener for scissors and tools having similar cutting edges comprising a holder formed of a plate bent on itself to form a loop at one end and a handle at the other end, pins mounted in the holder transversely of the loop, a plurality of blades mounted on the pins angularly in the loop, and grooves in the sides of the holder transversely to and exposing the blades.

1,508,315. VACUUM CLEANER. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,711. 6 Claims. (Cl. 15—16.)



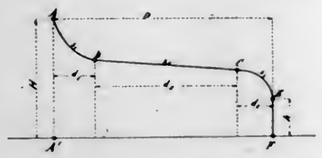
1. In a vacuum cleaner for dust laden air, a wheeled frame, a centrifugal dust collector mounted upon said frame, said collector having a separating chamber of substantially cylindrical form with its axis horizontal, an axially arranged exit pipe extending outwardly from one end of said collector, and an exhaust fan opposite said exit opening adapted to rotate about an axis in common with the axis of the dust collector and means adapted to give centrifugal rotation to the incoming air.

1,508,316. LOCK NUT. LOUIS J. BRUNE, Chicago, Ill. Filed Oct. 25, 1923. Serial No. 670,734. 1 Claim. (Cl. 151—28.)



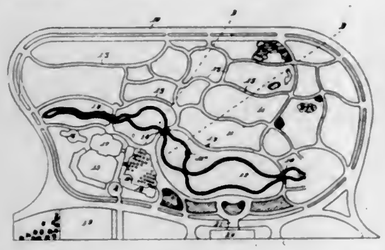
The combination with a nut threaded on a threaded shank of a bolt, of means for preventing retrograde movement of said nut, said means comprising a sleeve extending over the threaded shank of the bolt and formed from pliable material, said shank being provided with a plurality of vertically alined diametrically disposed recesses, and struck in portions carried by the sleeve and extending into any of said recesses.

1,508,317. MOTORLESS AERIAL WINGED TORPEDO. GAETANO ARTURO CROCCO and ALESSANDRO GUIDONI, Rome, Italy. Filed May 20, 1920. Serial No. 382,932. 4 Claims. (Cl. 244—1.)



1. An aerial torpedo to be dropped from aircraft upon targets lying distant from the vertical line of said aircraft, upon which targets it shall reach through the sole action of the gravity, comprising bearing surfaces sufficient to support it when in sliding flight, adjustable steering surfaces and means acting in correspondence to the distance traversed, and which control the position of said steering surfaces during the flight so as to steer the torpedo along a predetermined route in a vertical plane, the steering surfaces being successively set in such a manner that, as soon as the torpedo is left to itself, it descend almost vertically in order to acquire a high speed with which to proceed then in a sliding flight until it reaches the vicinity of the target.

1,508,318. ANIMAL INCLOSURE. HEINRICH HAGENBECK, Stellingen, and LORENZ HAGENBECK, Lokstedt, near Hamburg, Germany. Filed Jan. 14, 1924. Serial No. 686,235. 1 Claim. (Cl. 119—20.)



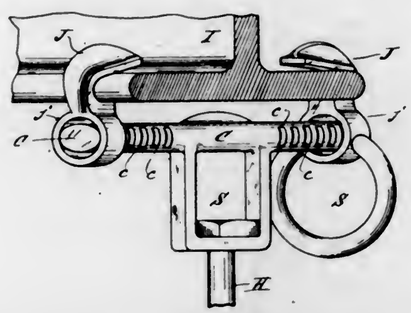
An inclosure for animals, birds, reptiles, and the like comprising a tract of land, walks dividing the tract of land into separate island-like tracts and separating moats extending around each island-like tract between said island-like tracts and walks, said walks being upon a lower plane than the main portions of the island-like tracts whereby the edges of the separating moats will be below the field of vision of persons standing upon the walks and looking across the moats upon said island-like tracts.

1,508,319. AMUSEMENT DEVICE. REGINALD M. HARRIS, East Orange, N. J. Filed June 6, 1923. Serial No. 643,762. 6 Claims. (Cl. 104—60.)



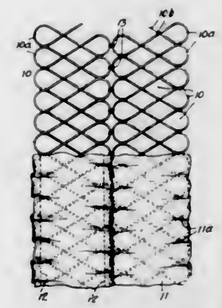
2. In a pleasure railway, a trackway, a vehicle for travel thereon, friction-producing elements carried by the trackway, and friction-producing elements carried by the vehicles and so arranged with respect to the friction-producing elements of the trackway that the vehicle may be steered through the friction-producing elements of the trackway without engagement therewith of the friction-producing elements of the vehicle.

1,508,320. SUSPENDER CLAMP. HENRY HEIDE, New York, N. Y. Filed May 24, 1922. Serial No. 563,239. 1 Claim. (Cl. 248—32.)



The suspender clamp described consisting of a coupling member oval in cross section having peripheral segmental rack teeth and an integral depending stirrup between said teeth, and a pair of clamping jaws having sockets with internal segmental rack teeth for engagement with the teeth of the coupling member, the length of said rack teeth being less than one half the circumference of the member on which they are projected, said coupling member being rotatable for interlocking engagement or disengagement of the teeth of said member and the sockets.

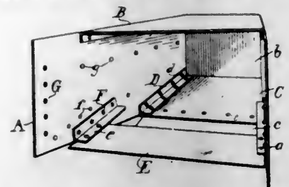
1,508,321. ELASTIC WEBBING. JOSEPH C. HEINTZ, New York, N. Y. Filed Feb. 9, 1920. Serial No. 357,137. 1 Claim. (Cl. 154—48.)



An elastic webbing for garment supporters and the like, comprising a plurality of elastic elements, each element consisting of a single strip of resilient wire bent upon itself to form a flat tension spring having marginal loops at each side, the adjacent marginal loops of each element being secured together, and a tubular non-elastic flexible covering of greater length than that of the elastic elements when they are extended adapted to loosely house the elastic elements and to be drawn into a number of uniform folds corresponding to the marginal loops of the elastic elements by contact therewith when said elastic elements are contracted.

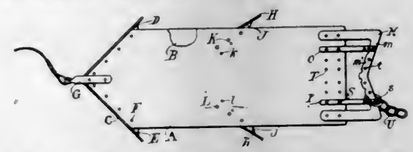
1,508,322. EARTH SCRAPER. RAY J. HELLER, Lansing, Mich. Filed July 6, 1923. Serial No. 649,929. 4 Claims. (Cl. 37—143.)

1. In a scraper, the combination with the sides, of a top plate connecting the sides, a back plate connecting the sides, a downwardly inclined scraper blade secured to the sides adjacent to the back plate, the said top plate extending over the said blade in a forwardly direction for a distance substantially equal to the extent of the



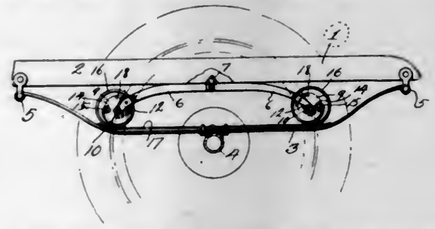
said blade in the same direction, and an auxiliary blade mounted in an inclined position in advance of the first mentioned blade.

1,508,323. INVERTIBLE EARTH SCRAPER. RAY J. HELLER, Lansing, Mich. Filed Sept. 15, 1923. Serial No. 662,856. 9 Claims. (Cl. 37—147.)



1. In an earth scraper, the combination with side walls, of an end portion connecting the said walls, scraper blades secured to the said walls and projecting beyond the side edges of the said walls on the upper and lower sides of the walls, draught devices located at the front ends of the said walls, and links engaging the said devices, the said devices having members in engagement with the said links whereby when the scraper is inverted the links may slip alternatively towards one or the other of the said side edges of the walls.

1,508,324. VEHICLE SPRING EQUALIZER. WILLIAM R. HELSEL, Huntingdon, Pa. Filed Jan. 8, 1924. Serial No. 685,001. 2 Claims. (Cl. 267—45.)

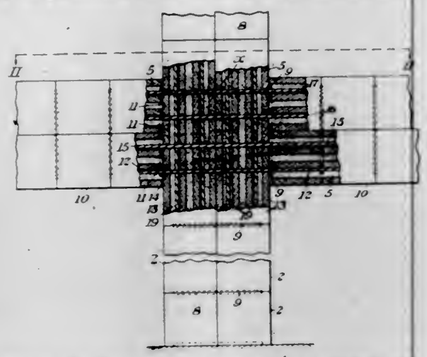


1. The combination with a semielliptic spring having its ends anchored, the side rail of a chassis, an axle carried by said spring, of an equalizing device for said spring, said device comprising a pair of arms extending in opposite directions and pivoted to the chassis rail above the axle, discs disposed in bifurcations in the ends of said arms, means whereby said discs may be rotated to various positions and held against rotation, coiled springs carried by the semielliptic spring intermediate the axle and the ends of the semielliptic spring, the ends of the coiled springs being attached to the discs, said discs being disposed within the convolutions of the coiled springs.

1,508,325. CONCRETE BUILDING CONSTRUCTION. ALBERT HENDERSON, Pittsburgh, Pa., assignor to Henderson Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 20, 1923. Serial No. 669,694. 10 Claims. (Cl. 72—15.)

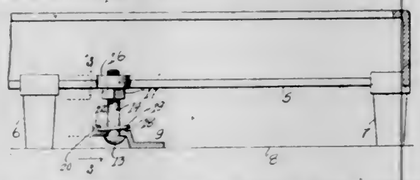
1. Building construction, comprising two members extending at an angle to and intersecting each other and each comprising blocks arranged end to end in series,

one of said members having reinforcing means extending longitudinally of and tying together its series of



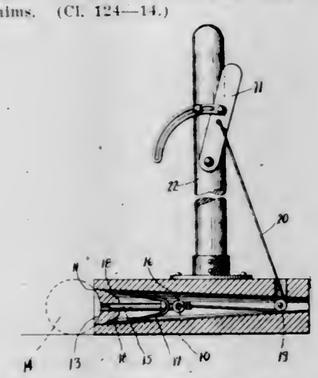
blocks, said reinforcing means extending between meeting end faces of certain of the series of blocks of the other of said members, substantially as described.

1,508,326. TYPEWRITER-SECURING DEVICE. JESSE R. HENSLEY and CHARLES C. LACY, San Francisco, Calif. Filed Aug. 1, 1923. Serial No. 655,138. 2 Claims. (Cl. 45—52.)



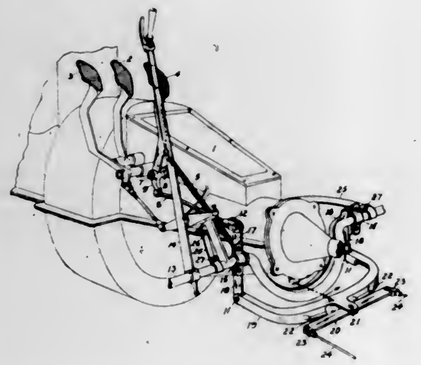
1. In a typewriter securing device, the combination with a typewriter frame and its pendant headed bolt, of a U-shaped base member, an upwardly extending recessed U-shaped collar formed integral therewith and adapted to receive therebeneath the head of the bolt and having formed on its upper surface a spaced extension and a protuberance, and a washer encircling the bolt and adapted to rest upon the protuberance and contact the rear of the extensions, for the purpose specified.

1,508,327. MARBLE SHOOTER. JOSEPH J. HIGGINS, Bronx, N. Y. Filed July 13, 1923. Serial No. 651,329. 2 Claims. (Cl. 124—14.)



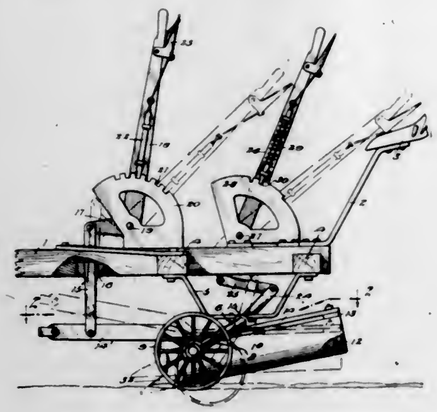
2. A marble shooter comprising a base, a handle rising from said base, a concave recess formed in the front wall of said base, a bore in said base and opening into the axial center of said recess, a plunger slidable in said bore, a head formed on said plunger, an elastic element passing over said head and having its ends secured to said base, a lever pivoted to said handle, and a flexible cable connecting said plunger with said lever, whereby movement of said lever in an upward direction will cause the plunger to be retracted against the tension of the elastic element.

1,508,328. BRAKE EQUALIZER. CHARLES W. HORSTMANN, Oakland, and JOHN C. CREAGMILE, Berkeley, Calif. Filed Feb. 7, 1923. Serial No. 617,466. 6 Claims. (Cl. 74—39.)



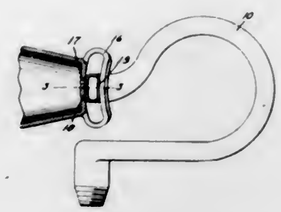
1. As an element of a brake equalizer, a yoke provided with a pivotal support for an equalizing bar and a boss on each side of said support for limiting the backward movement of said bar.

1,508,329. MARKING MACHINE. THOMAS HORTON, Challis, Idaho. Filed Apr. 4, 1922. Serial No. 549,459. 2 Claims. (Cl. 97—35.)



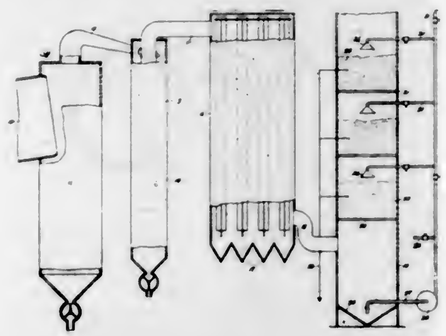
1. In a marking machine, the combination with a wheeled frame including a crank shaft, of a second frame pivotally supported by said shaft and including longitudinal and transverse frame members, marking shoes arranged below said longitudinal frame members and extending longitudinally thereof, means extending upwardly from said shoes and engageable with said longitudinal and transverse frame members for supporting said shoes in position, and means for tilting said second frame to vertically adjust said shoes.

1,508,330. SIREN WHISTLE. FRED B. HOWELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1921. Serial No. 524,078. 3 Claims. (Cl. 116—147.)



3. A sound producing device comprising a sound amplifier provided with an inlet opening, a flexible pressure responsive device arranged in slidable relation with said amplifier and provided with an exhaust opening normally closed thereby but adapted to register with said inlet opening upon the occurrence of a predetermined pressure, and means for applying a fluid pressure to said device, whereby said device is caused to alternately expand and contract and exhaust said fluid in a succession of sound producing blasts into said amplifier.

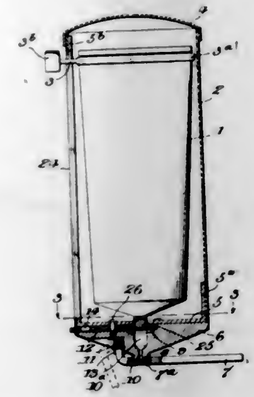
1,508,331. TREATMENT OF GASES CONTAINING DUST AND FUME. FREDERICK W. HUBER, Riverside, Calif., assignor, by mesne assignments, to Western Precipitation Company, a Corporation of California. Filed May 22, 1918. Serial No. 235,945. 6 Claims. (Cl. 183—7.)



1. In the precipitation of fume from cement kiln exit gases by high potential electric discharge, the step of bringing the gases containing potassiferous fume material, after being subjected to such electrical discharge, into interstitial spaces in a mass of substantially dry electrically conductive material having the property of de-electrifying said gases.

1,508,332. TOOTHPASTE DISPENSER. ALBERT B. HURLEY, Washington, D. C., assignor to Domestic Accessories Corporation, New York, N. Y. Filed Jan. 27, 1923. Serial No. 615,311. 6 Claims. (Cl. 221—60.)

1. A dispensing device for paste in collapsible tubes comprising the following instrumentalities: a supporting base containing a feed openings, means to secure a tube of paste on said base with its nipple in line with said opening for discharge therethrough, means to progressively collapse the tube to force out the paste, a guide for said collapsing means carried on said base, actuating means for said collapsing means, a cover for the paste tube and guide, slotted to permit travel of said actuating



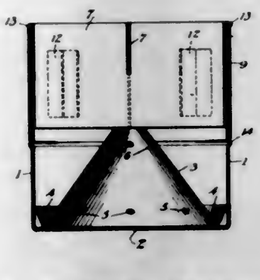
means and a brace arranged on said base opposite the guide rod, extending upwardly to hold the cover in position.

1,508,333. AWNING ATTACHMENT. FREDERICK HUTH, Woodhaven, N. Y. Filed Sept. 13, 1922. Serial No. 587,969. 3 Claims. (Cl. 24—243.)



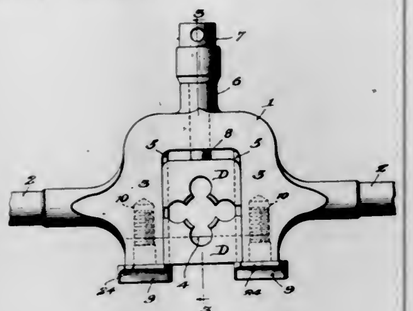
1. A device for securing a hoist rope to an awning weight, said device consisting of a clamp composed of separable jaws adapted to embrace the weight, said jaws having shanks, the one shank having a length extending beyond the end of the other, the longer shank terminating in an eye beyond the shorter shank and said shorter shank abutting said eye, and a ring swingingly held by said eye and adapted to receive the awning rope.

1,508,334. CAMP STOVE. WILBUR ROSMAN INGALLS, Portland, Me. Filed Jan. 29, 1921. Serial No. 689,287. 3 Claims. (Cl. 124—43.)



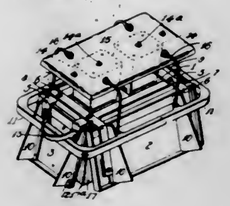
1. A stove of the character described, comprising a casing, cross partitions in the upper portion of the casing dividing the same into a plurality of compartments, said casing having openings in its wall communicating with said compartments, and a damper movable on the casing and having openings therein registering with the openings in the casing.

1,508,335. DIESTOCK. WILLIAM A. JAMES, Providence, R. I. Filed May 5, 1922. Serial No. 558,566. 5 Claims. (Cl. 10—123.)



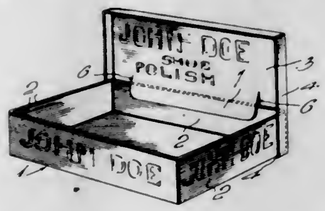
2. A die stock including a yoke having parallel arms, a rigid bridge connecting the outer ends of the arms and disposed slightly below the plane of the lower sides of the arms, guide-ways formed on the inner side faces of the arms and located to one side of the vertical center of the arms so as to prevent misplacement of the dies in the yoke, and turn-buttons having threaded shanks threaded into the outer ends of the arms.

1,508,336. MOLD FOR MAKING CONCRETE ARTICLES. WILLIAM JAMES JAMISON, Seaford, Victoria, Australia. Filed Nov. 27, 1923. Serial No. 677,216. 16 Claims. (Cl. 25—121.)



1. For concrete article making, a mold having a base, movable walls extending from the base, means to draw the walls into closed positions, the said means being capable of retraction, and spring means to locate the walls in divergent positions when such retraction is effected, the spring means comprising strips which cross under the base, cross one another, extend outside the walls, and are connected to the base and walls.

1,508,337. CARTON. MILTON OWEN JENSEN, Kansas City, Mo. Filed Mar. 8, 1923. Serial No. 623,759. 1 Claim. (Cl. 206—44.)



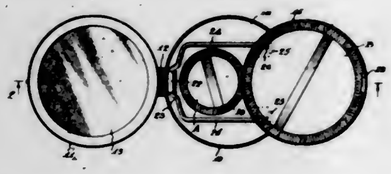
An article of manufacture comprising a box having vertical side walls, and a top having depending flanges to surround said walls, said top having a slit spaced inwardly from one of its flanges and formed with lateral ends extending away from said flange, said lateral ends of the slit terminating a distance from said flange slightly greater than the height of the box walls; whereby the portion of the top within the confines of the slit may be hooked over the edge of one wall of the box and said flange frictionally inserted under the box, when said top is slid from a horizontal to a vertical position and said portion sprung inwardly.

1,508,338. CLASP. RUFUS KING, Plainville, Mass., assignor to Bugbee & Niles Company, North Attleboro, Mass. Filed Jan. 15, 1924. Serial No. 686,257. 5 Claims. (Cl. 24—77.)



1. In a clasp, a male member having a head, a female member having a pair of arms the inner edges of which are spaced and notched to conjointly receive the head, the outer sides of the arms being curved outwardly and towards each other and forming guards disposed on opposite sides of the head and projecting beyond the latter, the female member having slots on the outer sides of the arms, to receive a ribbon therethrough, the part of the ribbon between said slots being engaged over the curved outer sides of the guards to conceal and protect the guards and the head.

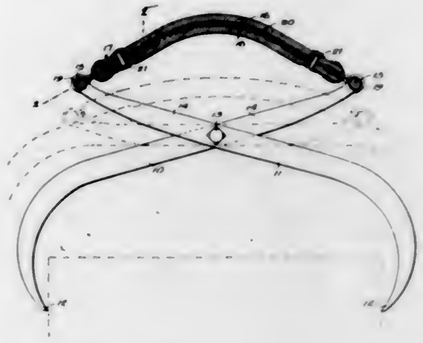
1,508,339. VANITY CASE. MAX KLINE, New York, N. Y. Filed Mar. 22, 1924. Serial No. 701,144. 3 Claims. (Cl. 132—83.)



1. In a vanity case including a body and cover, a stationary compact carrier member secured within the bottom portion of the body, a movable compact carrier member, a means of connection therebetween to permit of relative swinging movement of the movable member to a projected position above the upper open end of the body and sliding movement to uncover the stationary member whereby access may be gained to both of the compacts, the said means of connection consisting of a yoke swingingly connected to the stationary member, and a slidable connection between the yoke and the movable member.

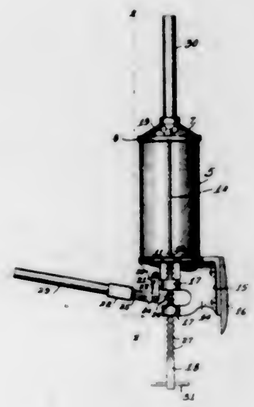
1,508,340. ICE TONGS. CHARLES JOHN KROENING, Evansville, Ind. Filed Nov. 17, 1923. Serial No. 675,398. 1 Claim. (Cl. 294—118.)

In a pair of ice tongs, a pair of tong jaws having hinged connection and formed with shanks extending beyond the hinged connection, laterally projecting trunnions on said shanks, a handle member having laterally spaced knuckles at its opposite ends embracing the trunnions and lying at opposite sides of the ends of the shanks, said knuckles having terminals embedded in and anchored to the opposite ends of the handle member, and a resilient, elastic strip embedded in the handle member and secured at its opposite ends to the handle member adjacent the opposite ends of said handle member, said handle member being of a greater length than the distance between the shank terminals when the tongs are in fully opened position whereby the said strip



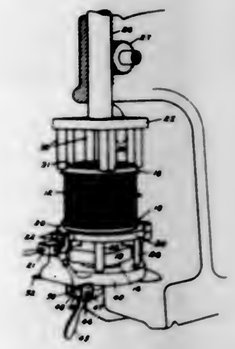
effects a bowing of the handle member when the tongs are fully opened to afford a space between the handle and the shanks, as and for the purpose specified.

1,508,341. CHARGING DEVICE FOR GREASE GUNS. JULIUS EDWARD LATHAM, San Francisco, Calif. Filed June 19, 1922. Serial No. 569,226. 2 Claims. (Cl. 221—78.)



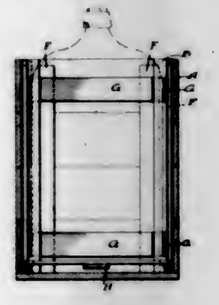
2. In a grease gun filler, a bracket adapted for securing to a support, a cylindrical grease container mounted at one end on the bracket and having a discharge opening at the opposite end, a piston within the cylinder with a rod extending therefrom and past the bracket, a bearing on the bracket slidably supporting the rod, a hand lever suspended on a link pivotally secured to the bracket and adapted to engage the rod adjacent the bearing for forcibly moving the rod and piston in the cylinder, the link permitting the lever to be moved bodily from the rod for disengagement.

1,508,342. APPARATUS FOR MANUFACTURE OF AIR-COOLED CYLINDERS. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 8, 1922. Serial No. 599,731. 8 Claims. (Cl. 29—88.2.)



1. In combination, a cylinder, fins separate from said cylinder applied thereto, and closed retaining rings for holding the fins to the cylinder, said rings encircling the fins and clamping them tightly against the cylinder.

1,508,343. CARBOY. CHARLES LEFKOWITZ, Newark, N. J. Filed July 3, 1923. Serial No. 649,336. 2 Claims. (Cl. 217—54.)



1. In a carboy, a hollow body, corner pieces spaced apart in the body and secured thereto, each corner piece having two recesses, each recess having two walls, one disposed longitudinally of the side of the body and the other at an angle to the first wall and outwardly to the body to form with the body a guideway, guide members disposed in the guideways, and lateral supporting members secured to the inner sides of the guide members and connecting the latter, the lateral supporting members being in this way spaced from the body.

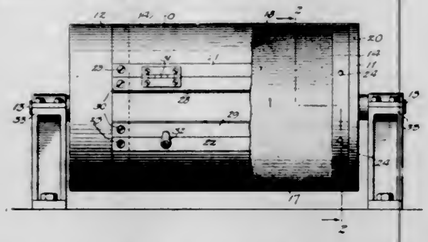
1,508,344. FABRIC. OSCAR LION, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,633. 4 Claims. (Cl. 28—1.)

1. A strip of fabric formed with a plurality of stiffening sections, and a finishing fluid arranged thereon, said stiffening sections being formed of material capable of absorbing said finishing fluid to a greater extent than the remaining material.

2. A piece of fabric formed with a body of silk and ornamental reinforcing means of material capable of absorbing finishing fluid to a greater extent than silk, and a coating of finishing fluid arranged on the silk body and on the ornamental reinforcement.

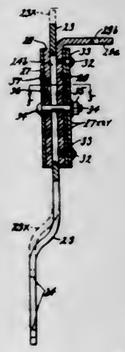


1,508,345. TUMBLING BARREL. JOSEPH LUTO, Jr., New York, N. Y. Filed Oct. 15, 1923. Serial No. 668,772. 2 Claims. (Cl. 51—164.)



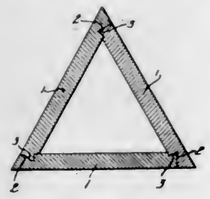
1. A tumbling barrel comprising a split cylindrical body, circular heads received within the opposite ends of the body, an outwardly projecting axial journal on each head adapted to be received in bearings for rotatably mounting the barrel, a lining having an abrasive inner surface, the side edges of said lining being clamped between the periphery of the heads and the side edges of the body with the end edges of the lining turned over the end edges of the body, clamping bars overlying the end edges of the body, and means extending through the clamping bars and body and anchored in the heads for assembling the barrel.

1,508,346. SNUBBER FOR AUTOMOBILES. CLIFTON E. MONTGOMERY, St. Paul, Minn., assignor of one-half to Henry Arndt, St. Paul, Minn. Filed Apr. 19, 1923. Serial No. 633,326. 3 Claims. (Cl. 188—129.)



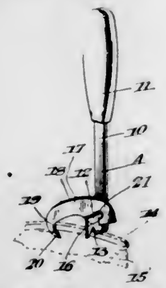
1. A snubber device for automobiles consisting of a vertically disposed square tube, a short flat vertical bar fixed in one side of the tube, a longer bar also secured in the tube and having its top end protruding above the tube and adapted to be secured to the body of the vehicle, a still longer intermediate bar slidable between the two first mentioned bars and having its lower end adapted to be secured to the axle of the vehicle, means for adjusting the side bars against the sliding bar and automatic means for forcing the slidable bar against one of the fixed bars to increase the friction between them, whenever the slidable bar moves downwardly in the tube.

1,508,347. CONDUIT. JOSEPH OVILA MONTREUIL, Quebec, Quebec, Canada. Filed Nov. 15, 1921. Serial No. 515,346. 2 Claims. (Cl. 61—16.)



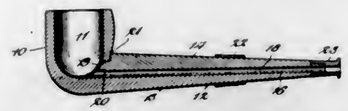
1. In a conduit section of the type including a plurality of identical interlocking wall members wherein each wall member near one side edge has an elongated tongue running parallel to said side edge and has near the opposite side edge a groove running parallel to the last-mentioned side edge, such groove being adapted to take the tongue of a laterally adjoining wall member, the combination of three such wall members for forming a conduit section, each wall member having plane parallel faces and having one of its side edges plane and perpendicular to the faces of said member and having its other side edge plane and at an angle of 60° to said faces; whereby when three of said wall members are assembled with their tongues and grooves interfitting there is provided a conduit section of uniform wall thickness and with an inner perimeter and an outer perimeter both defining a perfect and uninterrupted equilateral triangle, and whereby, for safety and compact arrangement in transportation and storage, a plurality of piles of the wall members may be arranged alongside each other and with the wall members of each pile in face to face contact and with the 60°-inclined side edge of each successive wall member in a pile reversely arranged but vertically aligned and with the last-mentioned side edge of each wall member of a pile and the same side edge of a wall member at the same level in an adjoining pile in face to face contact.

1,508,348. CAN OPENER. GEORGES MORIN, Passburg, and MARC PIARD, Bellevue, Alberta, Canada. Filed Oct. 13, 1923. Serial No. 668,369. 2 Claims. (Cl. 30—3.)



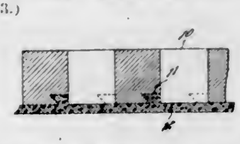
1. A can opener of the character described comprising, a shank member having suitable handling means and provided at one end with an orificed plate extending at right angles thereto and adapted to engage with the ridge or edge of a can, a blade formed with an orifice therein and having a curved cutting edge on the underside terminating in an inwardly extending point, said plate and blade having a pivoted connection at their respective orifices.

1,508,349. TOBACCO PIPE. DAVID NELSON, Brooklyn, N. Y. Filed Mar. 1, 1921. Serial No. 448,841. 1 Claim. (Cl. 131—12.)



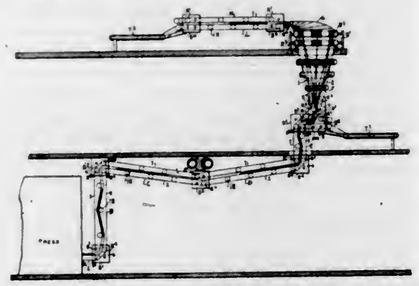
A tobacco-pipe comprising a bowl having an aperture which opens to the interior of the bowl, a stem of longitudinally separable interfitting sections, one of said sections being slidable on the other section and having a reduced extension and a shoulder, the extension fitting in said aperture and the shoulder abutting the wall thereof, said sections forming a draft passage which communicates directly with the interior of said bowl, and a ring member secured to the slidable section and capable of encircling the other section and being in the nature of a grip for the ready separation of said sections.

1,508,350. BLOCK. LUTHER B. O'NEAL, Pensacola, Fla. Filed Mar. 3, 1923. Serial No. 622,597. 2 Claims. (Cl. 94—13.)



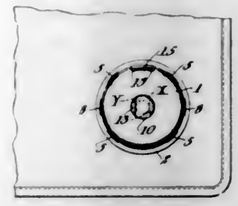
2. A paving block of elongated contour having a semicircular recess formed in the bottom thereof and opening at one longitudinal edge of the block, the curved wall of said recess being inclined to afford the recess a substantially dove-tailed configuration in cross section.

1,508,351. BELT CONVEYER. GUSTAVE B. REISBACH and HARRY A. SEDGWICK, Milwaukee, Wis., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 2, 1921. Serial No. 465,977. 29 Claims. (Cl. 198—165.)



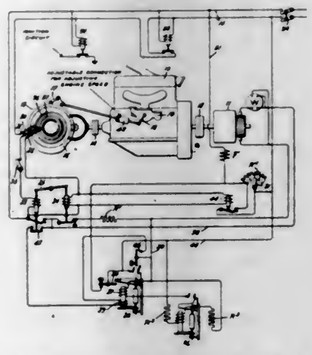
1. In a conveyer, in combination, a plurality of endless belts, certain of the same being arranged horizontally and others vertically, rollers on which said belts are mounted to provide a plurality of conveyer sections and supporting frames for said rollers, said frames being of like construction and each being adapted to accommodate a plurality of rollers in positions disposed symmetrically about a common axis.

1,508,352. SEPARABLE FASTENER. CHARLES M. ROBINSON, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 19, 1923. Serial No. 613,718. 4 Claims. (Cl. 24—211.)



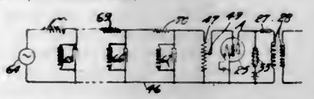
3. A socket member for separable fasteners, comprising a face plate, a back plate, and a slidable resilient stud-engaging member arranged between said plates, said face plate being formed to provide a cavity to receive said stud-engaging member, and said back plate being formed integrally with means for guiding said stud-engaging member and other means for limiting its sliding and resilient movements.

1,508,353. ENGINE-TESTING DEVICE. CARL F. SCOTT, Yonkers, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 20, 1921. Serial No. 478,931. 11 Claims. (Cl. 175—183.)



11. An engine testing device comprising a dynamo electric machine adapted to be connected to the engine, timing mechanism for varying the engine speed and for controlling said machine, a supply circuit, a dynamic brake circuit, and means controlled by the said timing mechanism whereby the said machine is energized from the said supply circuit as a motor to start the engine and the machine then operates as a generator delivering energy to the supply circuit when the engine speed is one value and the machine is included in the dynamic brake circuit when the engine speed is another value.

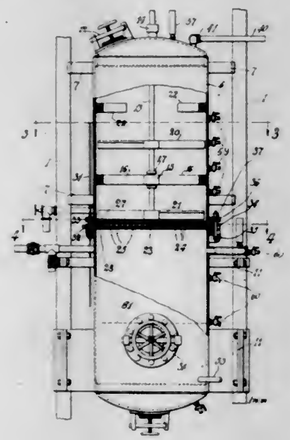
1,508,354. ELECTRIC WAVE FILTER. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed July 14, 1917, Serial No. 180,589. Divided and this application filed May 16, 1921. Serial No. 469,978. 4 Claims. (Cl. 178—44.)



1. A filter section comprising input and output terminals, an impedance path connecting one input terminal and one output terminal, an electric path connecting

the other input terminal and output terminal, and an impedance path connecting said first two paths, one of said impedance paths consisting of substantially pure resistance, and the other of said impedance paths comprising an inductance and a capacity in parallel.

1,508,355. PROCESS OF AND APPARATUS FOR EXTRACTING SULPHUR FROM ORE. WILLIAM P. THORNTON, Chicago, Ill. Filed Mar. 24, 1919. Serial No. 284,780. 23 Claims. (Cl. 23—10.)



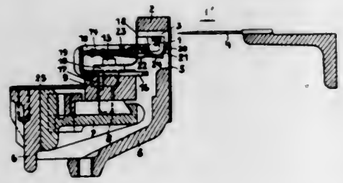
1. The process of extracting sulphur from a mass of sulphur bearing ore, comprising the use of hot water on the entire mass in a manner to melt the sulphur in the ore mass, and to soften any mud or earthy matter contained in the mass, filtering the water and melted sulphur away from the ore by maintaining conditions which cause the melted sulphur to accumulate at the bottom of the mass and flow by gravity from an area under pressure to an area of less pressure and through a filtering medium, and ultimately recovering the sulphur.

1,508,356. ELECTRON-DISCHARGE DEVICE. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 18, 1920. Serial No. 359,680. 6 Claims. (Cl. 250—27.)



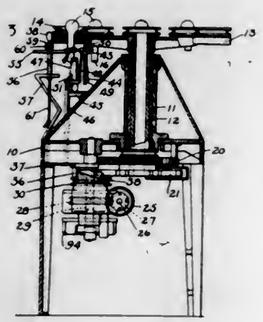
1. An electron discharge apparatus comprising a cathode adapted to emit electrons, a controlling electrode located about said cathode and within electron-receiving relation thereto, a cooperating anode enclosed by said cathode, a source of energy connected between said cathode and said anode, means for charging said controlling electrode to a positive potential with respect to said cathode, means for impressing potential variations upon said controlling electrode, and a source of current connected between said cathode and anode having a voltage sufficiently high to produce saturation current.

1,508,357. SHUTTLE EMBROIDERY MACHINE. MAX BRETSCHNEIDER, Plauen, Germany, assignor to the Firm: Vogtlandische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Germany. Filed Sept. 28, 1923. Serial No. 665,379. 2 Claims. (Cl. 112—95.)



1. A shuttle embroidery machine, comprising, in combination, a plurality of needles, a member forming a shuttle path, a shuttle located below this path, a basket containing the shuttle, and a spring arranged in the basket below the shuttle and pressing this latter against the shuttle path, the front end of said spring being vaulted transversely to the shuttle back, as set forth.

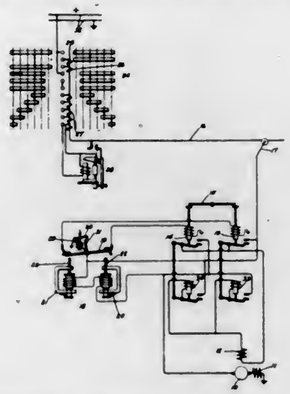
1,508,358. MACHINE FOR CUTTING GLASS. CARL A. BROWN, Toledo, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Nov. 4, 1919. Serial No. 335,720. 4 Claims. (Cl. 49—50.)



1. In a machine for cutting glass, the combination of holders for incandescent lamp bulbs or similar articles, means for rotating said holders, a carrier for said holders, means for advancing said carrier step by step, means for heating a substantially narrow zone of the neck of said lamp bulb or similar article and means for subsequently chilling said zone.

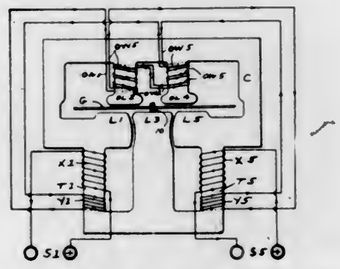
1,508,359. SYSTEM OF SELECTIVE CONTROL. EUGENE R. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,885. 6 Claims. (Cl. 104—149.)

5. A reversing control system for electric motors comprising a motor supply conductor, electro-responsive reversing switch mechanism, a selector relay operated responsively to the potential of the supply conductor for controlling the said switch mechanism, a reversing controller for controlling the potential of the supply conductor to control the operation of the said relay, and



an electromagnetic lock for the said relay energized from the said conductor for preventing the unintentional operation of the same.

1,508,360. ELECTRICAL METHOD AND APPARATUS. ROLLIN N. CONWELL, Bloomfield, N. J. Filed May 11, 1921. Serial No. 468,585. 20 Claims. (Cl. 175—335.)



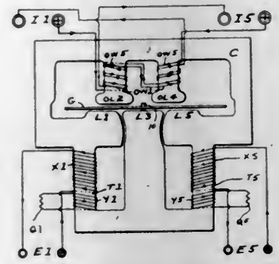
1. In apparatus of the class described, in combination, a plurality of magnetically coacting induction devices, primary and secondary windings therefor, said primary windings adapted to be energized from two sources of power, and means cooperating with said secondary windings for producing fluxes coacting with the fluxes of said induction devices to set up traveling magnetic fields.

17. The method of inducing currents in a conductor, which comprises producing magnetically co-acting fluxes from a plurality of sources of power, producing from the respective sources fluxes in quadrature with the first fluxes, and causing said several fluxes to combine to form one or more traveling fields inducing currents in said conductor.

1,508,361. ELECTRICAL METHOD AND APPARATUS. ROLLIN N. CONWELL, Bloomfield, N. J. Filed May 11, 1921. Serial No. 468,586. 12 Claims. (Cl. 175—335.)

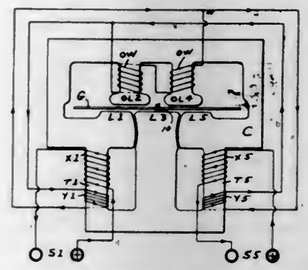
1. In apparatus of the class described, in combination, a first means adapted to be connected to two sources of power, a magnetic circuit in which flux is produced by said first means; a second means adapted to be connected to two additional sources of power, a second magnetic circuit in which flux is produced by said second means; said second flux being substantially in quadrature with said first flux and cooperating with said first flux to produce traveling fields; and means responsive to said traveling fields.

12. The method of producing forces, which comprises producing coacting fluxes from the voltage of each of a plurality of circuits, producing from the current of each circuit coacting fluxes in quadrature with the first fluxes,



and causing said several fluxes to combine to form traveling fields, inducing currents in a movable member, the reactions between fluxes caused thereby and the traveling fields tending to move said member.

1,508,362. ELECTRICAL METHOD AND APPARATUS. ROLLIN N. CONWELL, Bloomfield, N. J. Filed May 11, 1921, Serial No. 468,587. Renewed Feb. 8, 1923. 25 Claims. (Cl. 175—320.)



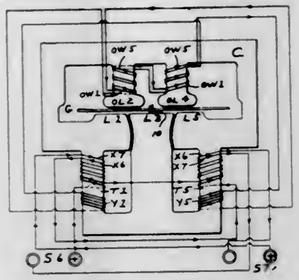
1. The method of inducing currents in a conductor, which comprises obtaining fluxes from a plurality of current sources, producing currents by means of said fluxes, of substantially opposite phase to the respective currents of the said current sources, producing a flux from the resultant of said produced currents substantially in quadrature with the said first named fluxes, and combining the several fluxes to produce traveling fields; said traveling fields inducing currents in a conductor.

24. In apparatus of the class described, in combination, a magnetic core, transformers each having a primary winding adapted to be connected to a source of power, secondary windings for each of said transformers, a secondary circuit cross-connecting said secondary windings, all of said windings being wound on said core, and an additional winding on said core adapted to be connected to points on said secondary circuit, whereby the resultant flux produced by said transformers is substantially in quadrature with the flux produced by said additional winding, whereby traveling fields are produced; and means responsive to said traveling fields.

1,508,363. ELECTRICAL METHOD AND APPARATUS. ROLLIN N. CONWELL, Bloomfield, N. J. Filed May 11, 1921. Serial No. 468,588. 11 Claims. (Cl. 175—335.)

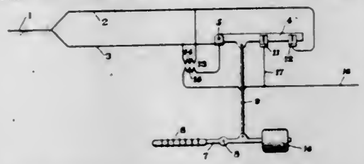
1. In apparatus of the class described, in combination, transformers each having two primary windings adapted to be connected respectively to two sources of power, coacting windings connected to the respective secondaries of the said transformers and adapted to produce fluxes substantially in quadrature with the transformer fluxes, the primary windings on one transformer normally aid-

ing and the primary windings on the other transformer normally opposing one another; and means for combining the several fluxes to form a traveling field.



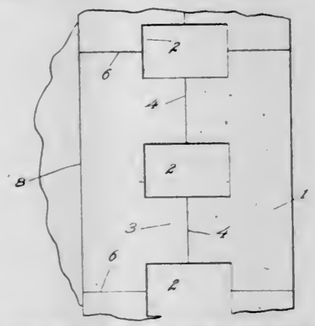
7. The method of inducing currents in a conductor, which comprises producing first fluxes from sources of power normally acting cumulatively, producing second fluxes from said sources normally acting differentially, producing other fluxes respectively in quadrature with either the first or second fluxes, and causing the several fluxes to combine to form traveling fields inducing currents in said conductor.

1,508,364. POWER SYSTEM. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,510. 7 Claims. (Cl. 175—294.)



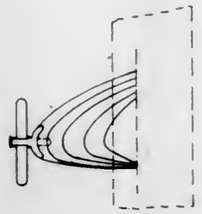
4. The method of protecting a transmission line from injury due to an accumulation of sleet which comprises sending a heating current therethrough in response to the accumulation of sleet on an object located in proximity to said line.

1,508,365. METHOD OF CUTTING OUT STRIP-SHINGLE UNITS. ALAN R. LUKENS, Jr., and CHARLES L. KELLER, Wyoming, Ohio. Filed July 6, 1920. Serial No. 394,321. 3 Claims. (Cl. 164—17.)



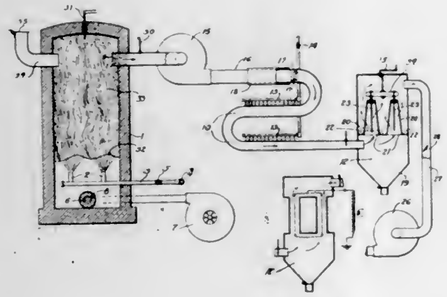
1. A method of cutting out strip shingle units which consists in cutting from a piece of material a series of interspaced cut-outs, same being of a size suitable for commercial use as a roof covering, and dividing the piece into sections or units by means of lines, extensions of which would bisect the cut out spaces both longitudinally and transversely of the piece for the purpose described but which lines terminate at the margin of the cut out portion.

1,508,366. AXLE FOR FLYING MACHINES. HANNS KLEMM, Sindelfingen, Germany, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany, a Corporation of Germany. Filed June 10, 1924. Serial No. 719,064. 4 Claims. (Cl. 244—2.)



3. In a flying machine, an axle composed of laminated springs, the width of said springs diminishing toward the top thereof, and the lowermost of said springs being of a sufficient width to form an additional supporting plane.

1,508,367. METHOD AND APPARATUS FOR PRODUCING CARBON BLACK. CHAUNCEY MATLOCK, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La., a Corporation of Delaware. Filed Jan. 5, 1921. Serial No. 435,074. 24 Claims. (Cl. 134—60.)

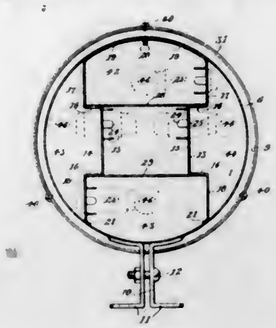


24. The method of separating and recovering carbon from a hydrocarbon, which consists in partially burning the hydrocarbon in a closed chamber by positively supplying thereto air at regulated pressures and quantities insufficient for complete combustion, rapidly exhausting the products of combustion from the chamber by means of an exhauster disposed at the furnace outlet, passing the resultant products to a collector and rapidly exhausting the products of combustion from the collector by means of an exhauster associated therewith.

1,508,368. DIRECTION-SIGNAL LAMP FOR AUTOMOBILES. JOHN D. HENDRIX, Seattle, Wash., assignor to Oliver Z. Perry, Los Angeles, Calif. Filed July 18, 1923. Serial No. 652,360. 4 Claims. (Cl. 177—329.)

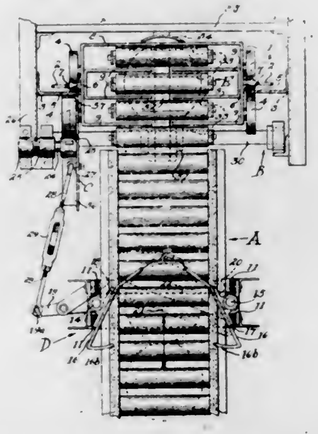
1. In a signalling apparatus of the class described, a cylindrical casing having open ends, a series of interlocked partitions within said casing dividing the latter into a plurality of compartments, said partitions consisting of side sections for forming side compartments outwardly thereof adapted for bearing against the upper and lower inner faces of said casing and having offset central portions, and a central section interlocking with

the offset portions of the side sections for forming upper and lower compartments above and below said section, illuminating means in each compartment, sectional lenses



positioned within said open ends, and cover plates secured to the ends of said casing for holding said lenses in place.

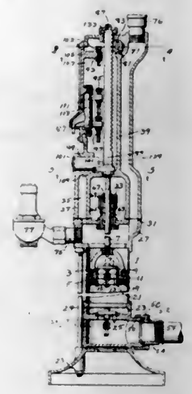
1,508,369. TRANSFER GATE FOR GRAVITY CONVEYERS. ARTHUR J. JOHNSON, St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Mar. 27, 1920. Serial No. 369,184. 10 Claims. (Cl. 198—26.)



1. In a device of the class described, the combination with a gravity conveyer and an elevator having a series of cars, of means for allowing articles to pass singly from said conveyer to the cars of said elevator, said means comprising a gate formed with an arm pivoted for horizontal movement and extending into the path of articles passing over the conveyer toward the elevator and a lever, tiltably mounted on the frame of said elevator, adapted to be moved by the cars of said elevator, to actuate said gate.

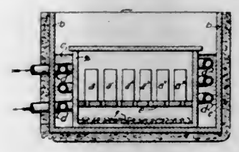
1,508,370. PUMP. SHERWOOD HINDS, Chicago, Ill., assignor to St. Louis Pump & Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 28, 1921. Serial No. 440,797. 4 Claims. (Cl. 103—2.)

2. In a device of the character described, in combination, a pump cylinder having a piston operative therein, a valved discharge outlet communicating with said cylinder at a point above said piston, a rack reciprocative with said piston, a housing mounted on said cylinder having front and rear hollow legs and a transverse connecting arm, said rear leg extending upwardly of said front leg to form a discharge or an expansion chamber,



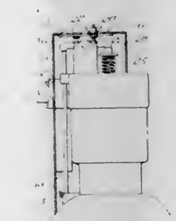
said rear leg having an extension at its upper extremity, said rack and operating means therefor mounted in said extension.

1,508,371. PROCESS OF PRESERVING BATTERIES. LOUIS KRIEGER, Paris, France, assignor to General Electric Company, a Corporation of New York. Filed Feb. 19, 1924. Serial No. 693,881. 5 Claims. (Cl. 204—29.)



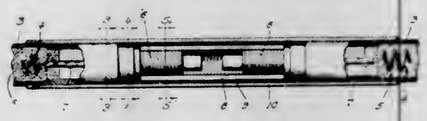
3. The method of conserving a battery while not in use which consists in placing the battery in a container having an insulating medium inert with respect to the elements of the battery, which medium evaporates at a point below 25 degrees centigrade and maintaining the temperature of the battery below 10 degrees centigrade.

1,508,372. DUST COVER. WILLIAM L. DAVIS, Petersburg, Va. Filed June 28, 1923. Serial No. 648,376. 7 Claims. (Cl. 123—90.)



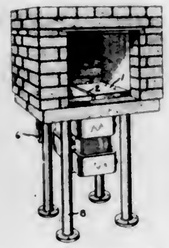
1. The combination with an engine having overhead valves, of a cover enclosing said valves to shield same from dirt and grit and extending over the side of the engine bloc and secured thereto between the exhaust manifold and the exhaust port.

1,508,373. CONNECTER. EDWIN N. LIGHTFOOT, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 17, 1921. Serial No. 437,792. 14 Claims. (Cl. 219—63.)



1. Means for connecting two tubular electric heaters having terminals extending from the ends of the jackets thereof, comprising a conducting sleeve for receiving the heater terminals, and a tube surrounding and insulated from the conducting sleeve, the tube being arranged to be rigidly fastened to the heater jackets.

1,508,374. ELECTRIC MUFFLE FURNACE. IRVING R. VALENTINE, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Oct. 13, 1920. Serial No. 416,669. 5 Claims. (Cl. 204—64.)



1. A muffle furnace comprising a heating chamber, a loop shaped casting of iron constituting part of the wall of said chamber, and transformer means connected to said loop for furnishing a heating current thereto.

THE
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Trade-Marks	345—No.	189,157 to No.	189,502, inclusive.
Labels	44—No.	27,840 to No.	27,883, inclusive.
Prints	8—No.	7,584 to No.	7,591, inclusive.
Reissues	2—No.	15,916 to No.	15,917, inclusive.
Designs	31—No.	65,598 to No.	65,628, inclusive.
Patents	715—No.	1,508,375 to No.	1,509,089, inclusive.
Total	1146		

Notices of Cancellation.

U. S. PATENT OFFICE, *Washington, Aug. 22, 1924.*

Camthol Company, Portland, Oreg., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of the Camthol Company (a Corporation of Delaware), 420 Hall Street E., Savannah, Ga., to effect the cancellation of the trade-mark registration of Waugh Medicine Co., of No. 300 A Street, Grangeville, Idaho, No. 97,515, dated June 9, 1914. The records of this Office show that the Camthol Company, Portland, Oreg., is the assignee of said Waugh Medicine Co. The notice of such proceeding sent by registered mail to the respondent, the Camthol Company, Portland, Oreg., having been returned by the post office as undeliverable, notice is hereby given that unless said Camthol Company, Portland, Oreg., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Boston Pneumatic Action Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of the M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trade-mark registration of the Boston Pneumatic Action Company, of 1075 Washington Street, Boston, Mass., No. 83,132, dated August 22, 1911, and the notice of such proceeding sent by registered mail to the said Boston Pneumatic Action Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Boston Pneumatic Action Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Ohio.) Short patent, No. 933,128, for heater, claim 1 *Held* not infringed. *Monitor Stove Co.* v. *Williamson Heater Co.*, 1.

(C. C. A. Mass.) Libbey patent, No. 968,576, claims 1 and 2, for valve mechanism in open vacuum cash-carrier systems, *Held* valid and infringed. *E. T. Slattery Co.* v. *Lamson Co.*, 285.

(C. C. A. Ohio.) Strong patent, No. 1,002,776, for furnace. *Held* invalid. *Monitor Stove Co.* v. *Williamson Heater Co.*, 1.

(C. C. A. R. I.) Gerosa patent, No. 1,263,879, for lug for power-plant support for motor vehicles, *Held* invalid. *Gerosa* v. *Apco Mfg. Co.*, 19.

(C. C. A. Ohio.) Lattig patent, No. 1,298,519, claims 1 and 2, for improvements in school chairs, *Held* invalid. *Langsloic-Fowler Co.* v. *Cleveland Seating Co.*, 304.

(C. C. A. Calif.) Chapman patent, No. 1,343,709, for chock for automobile wheels, claims 6 and 7 *Held* not infringed. *Supreme Mfg. Corporation* v. *Security Mfg. Co.*, 65.

(C. A. A. Ohio.) Doyle & Wollenhaupt patent, No. 1,346,801, for furnace, claim 2 *Held* invalid. *Monitor Stove Co.* v. *Williamson Heater Co.*, 1.

(C. C. A. Calif.) Ells reissue patent, No. 14,956, for improvement in auto theft signals, *Held* invalid. *Supreme Mfg. Corporation* v. *Security Mfg. Co.*, 65.

Notice—Attorney's Address.

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Condition of Applications Under Examination at Close of Business September 5, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,368; Trade-Mark Division, 1,811. Oldest new case, Jan. 8, 1924; oldest amended, Jan. 9, 1924. The dates given are 1924.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 3	Feb. 15	1,006
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 14	Feb. 16	770
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Apr. 14	May 9	498
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 12	Apr. 8	919
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 9	Jan. 23	1,048
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 17	Jan. 10	1,169
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Mar. 1	Feb. 20	1,743
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture, Kitchen and Table Articles; Store Furniture	Mar. 14	May 5	1,454
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 19	May 26	721
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 17	Apr. 1	1,465
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Apr. 10	Apr. 12	982
380	12. PIERCE, P. P., Machine Elements	Apr. 1	Mar. 26	1,056
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 13	Feb. 11	1,106
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 2	July 5	701
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 12	Feb. 23	1,405
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 8	Feb. 1	1,364
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 18	Apr. 9	885
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 8	Jan. 9	1,312
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 19	June 16	837
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar 10	Mar. 19	1,215
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 14	June 13	653
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Feb 9	Feb. 14	1,274
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 23	Feb. 27	496
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 23	Feb. 12	903
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	May 26	June 11	622
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 18	Jan. 15	850
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 14	Mar. 28	1,059
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 10	Mar. 26	1,094
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 9	Feb. 27	1,137
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Mar. 24	Mar. 3	1,233
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 3	Feb. 16	989
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 1	Mar. 1	909
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 6	Mar. 29	1,276
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Mar. 27	Mar. 14	859
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 20	June 3	706
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 1	Feb 21	1,513
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 4	Mar. 6	1,539
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 17	Mar. 5	1,129
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr 14	Mar. 22	643
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 24	May 1	1,909
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 10	Mar. 14	718
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 11	Jan. 18	1,622
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 1	Feb. 8	1,282
233	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 6	Mar. 22	1,086
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Feb. 14	Feb. 7	1,050
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 22	Jan. 11	1,162
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 12	Feb. 20	1,373
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 16	Jan. 17	2,019
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 6	Jan. 25	967
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 9	Jan. 15	1,690
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 1	Feb. 4	2,081
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 7	May 2	898
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 1	Feb. 23	1,549
		July 22	Aug. 5	423
102	DESIGNS: C. O. MARKHAM (Acting)	Aug. 1	Aug. 1	1,639
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	Trade-Marks: Aug. 19	Aug. 23	172
		Labels and Prints:		

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

DUNLAP & CO. *v.* THE JACKSON & GUTMAN COMPANY.

Decided January 9, 1925.

TRADE-MARKS—NAME OF AN INDIVIDUAL, FIRM, CORPORATION, OR ASSOCIATION.

A mark consisting merely of opposer's name, printed in block type, so that there is a slight reduction in the height of the letters toward the middle of the word, surrounded by an outline with a downwardly-curved top and an upwardly-curved bottom, is not registrable under the law of 1905.

ON PETITION.

TRADE-MARK FOR NEGLIGEE SHIRTS.

Messrs. Briesen & Schrenk for Dunlap & Co.

Mr. A. W. W. Woodcock for The Jackson & Gutman Company.

FENNING, *Assistant Commissioner:*

This is a petition to the Commissioner to employ supervisory authority and consider the action of the Examiner of Interferences in dismissing and denying opposer's motion for judgment on the record.

Applicant applies for registration of a trade-mark consisting of "Dunlap" in block type, printed so that there is a slight reduction in the height of the letters toward the middle of the word, surrounded by an outline of substantially upright ends, a downward-curved top and upward-curved bottom. Thus:



Opposer alleges that this mark is simply its name, whereas applicant insists that the mark is distinctively displayed within the statute. Prior to the act of 1920 a commendable practice of leniency was developed in the Office and some marks involving almost as simple subterfuges as the present were registered. It seems clear that any reasonable interpretation of the language of the 1905 statute would preclude the registration of the present mark. To say that by placing a border of simple lines about a name removes it from being merely a name seems an unreasonable bending of common sense. To be sure, there may be an elaborate border or accompanying devices with the name, which make the mark something more than merely the name, but the present clearly is not such an instance. In *Du Pont* v. *The Ginter Company*, 289 O. G. 411; 1921 C. D. 79, a more elaborate subterfuge was held ineffective to secure registration, and the same conclusion must be reached here. A purpose of the trade-mark laws may be assumed to be to procure in the Patent Office as complete a list of marks actually used in commerce as may be. This may have been one of the underlying purposes of the act of 1920. At all events, such marks as the present may now be registered under the act of 1920. This being so, there seems to be no reason to unduly expand the terminology of the act of 1905 to procure this registration.

The Examiner of Interferences is reversed and the opposition sustained.

Commissioner's Decision.

MARYLAND ASSURANCE CORPORATION *v.* VAN SANT.

Decided February 14, 1924.

1. TRADE-MARKS—"PROTECTION"—MAGAZINE PUBLISHED BY AN INSURANCE COMPANY.

While the main business of a company may be insurance, and policy contracts are not articles of commerce, that does not preclude the company from also having a subsidiary business of publishing and distributing its magazine, and in such capacity it may own and get protection on a trade-mark.

2. SAME—SCOPE OF THE WORD "COMMERCE" IN THE TRADE-MARK STATUTE.

The trade-mark statute provides for the registration of any mark used in "commerce" between the States, etc. This registration statute is based upon the commerce clause of the Constitution and apparently is intended to be as broad in its scope with respect to commerce as is that clause of the Constitution.

3. SAME—SAME—PURCHASE AND SALE NOT ESSENTIAL INCIDENTS OF COMMERCE.

There appears to be no satisfactory authority for holding that purchase and sale are essential incidents of commerce.

4. SAME—HOUSE ORGAN OR ADVERTISING MEDIUM—USE IN COMMERCE.

A house organ or advertising medium which is published monthly by an insurance corporation solely for the benefit of its agents, but which is not sold and has no subscription price, articles of possible interest irrespective of insurance being sometimes inserted, the organ or magazine being distributed by its publishers and moving from city to city, is subject to the regulation of Congress under the commerce clause, and as such if it bears a trade-mark the trade-mark is used in commerce.

5. SAME—TRADE-MARK USE—USE ON MOVABLES WHICH ARE SUSCEPTIBLE OF SALE.

The trade-mark statute apparently implies that the mark must have been used on or applied to goods or merchandise. The usual definition of merchandise is something which is sold; but on occasion the courts include in the terms "goods" and "merchandise" any movable which is susceptible of sale.

6. SAME—ACQUIESCENCE IN USE OF WORD BY OTHERS WITH ADDITIONAL WORD INDICATING ORIGIN OF GOODS WITH THEM.

Where the appellee objected to the word "Protection" as a title for a house organ issued by The Travelers' Insurance Company, but took no steps to

prevent the company from using the title "Travelers' Protection," for the reason that it was not necessary because they had identified their publication as the "Travelers' Protection," *Held* that this transaction did not destroy appellee's right to register its mark "Protection" or permit the appellant to register the word.

7. SAME—CATALOGUES DISTINGUISHED FROM HOUSE ORGANS.

Sporadic gratuitously-distributed catalogues are to be distinguished from house organs which are sent periodically to established mailing lists.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR A MONTHLY PUBLICATION.

Mr. Charles T. Reifsnider for Maryland Assurance Corporation.

Mr. Jesse T. Dowling and *Messrs. Browne & Phelps* for Van Sant.

FENNING, *Assistant Commissioner:*

This is an appeal by Van Sant from the action of the Examiner of Interferences authorizing registration by the Maryland Assurance Corporation of "Protection" as a trade-mark for a monthly magazine or periodical.

The Maryland Assurance Corporation began business in life, accident, and health insurance in January, 1918, taking over the accident and health department and business of the Maryland Casualty Company, together with a fully-organized agency organization of 20 years' development by that company.

Maryland Assurance Corporation first issued in March, 1918, a house organ or advertising medium and gave it the title "Protection," such house organ being defined, as shown by the notice on the title-page of the publication itself, as being solely for the benefit of the agents of Maryland Assurance Corporation, "to aid and equip its agents and to announce insurance achievements," its primary purpose being to give the agents information about the business of the home corporation. From time to time the monthly issues contained articles with reference to insurance business in general and sometimes articles which could possibly be considered to be of interest as reading matter, irrespective of insurance as a basis for such interest. The publication is not sold and has no subscription price.

In September, 1921, Van Sant, operating a publicity service devoted to all kinds of advertising, commenced to publish, without notice of use by Maryland Assurance Corporation, a magazine entitled "Protection." This magazine consisted of matters of interest in connection with insurance and was illustrated with pictures of fires, accidents, and the like, tending to show the necessity for protection by insurance. This magazine is sold by Van Sant under contracts or franchises held by certain customers. The distribution of Van Sant's magazine "Protection" by his customers is in no way controlled by Van Sant, the sale being as complete to such customers as would be the sale of any article over the counter in a store, with resultant profit to the seller.

It is of course obvious that Van Sant's customers are, in the main, insurance agents.

It is admitted that the Maryland Assurance Corporation was the first to adopt the title "Protection." Van Sant urges:

Maryland Assurance Corporation is not a publisher; it is incorporated for a general insurance business; it prints and sends its house organ to its agents with, we are free to admit, an expectation of some sort of profit—if it may be called profit—from such distribution; but this profit is not within the meaning of the trade mark statute, under which it has been held that even a sale with monetary transaction between the Home Company and one of its agents is not the use required by the statute in order to substantiate application for registration. • • • The trade mark statute requires a sale to substantiate use, and there must be a consideration for this sale which has to be a "valuable" one. Gifts are not trade mark uses. Uses which tend to help the applicant by, perhaps, increased business, more pride in its organization, better service from salesmen or agents, are not the uses which the statute requires.

The Maryland Assurance Corporation frankly admits that policy contracts are not articles of commerce in any proper sense of the word. *Paul* v. *Commonwealth of Virginia*, 8 Wall. 168; 19 L. Ed. 357. It cites, however, the case of the *Atlas Assurance Company, Ltd.*, v. *Atlas Insurance Company*, 112 S. W. 232; 15 L. R. A. N. S. 625, as showing that an insurance company may own and get protection on a trade-mark.

[1] It is to be noted, however, that the present case does not involve an application to register a trade-mark for insurance or for insurance policies, but rather for a magazine. The main or general business of the Maryland company may be insurance, but that does not preclude it from having also a subsidiary business of publishing and distributing its magazine.

[2, 3] The trade-mark statute provides for the registration of any mark used in "commerce" between the States, etc. This registration statute is based upon the commerce clause of the Constitution and apparently is intended to be as broad in its scope with respect to commerce as is that clause of the Constitution. I am unable to find satisfactory authority for holding that purchase and sale are essential incidents of commerce. *Bradford Dyers' Association, Limited*, 310 O. G. 3. In *Weber* v. *Freed*, 239 U. S. 325; 36 *Sup. Ct.* 131, the Supreme Court sustained as valid under the commerce clause of the Constitution a statute prohibiting the distribution of motion-picture films of prize fights. There was no showing nor suggestion in that case of a sale. The thing which was prohibited was the importation of the goods.

[4] It seems clear that the magazine published and distributed by the Maryland Assurance Corporation moves from city to city. As such it is subject to the regulation of Congress under the commerce clause. As such if it bears a trade-mark, the trade-mark is used in commerce.

[5] The trade-mark statute apparently implies that the mark must have been used on or applied to goods or merchandise. The usual definition of merchandise, to be sure, is something which is sold, but on occasion the courts include in the terms "goods" and "merchandise" any movable which is susceptible of sale. Clearly, the magazine here under consideration is susceptible of sale. I must therefore reach the conclusion reached by the Commissioner in the *Curtis Publishing Company Case*, 197 O. G. 1000, and hold that the Maryland company has shown trade-mark use.

The Office should be liberal and refrain from refusing to register merely because the right is doubtful, and especially when the matter has never been determined by any court.

Van Sant cites *ex parte Chandlee and Chandlee*, 140 MS. Doc. 433; but no question of public policy is involved in the present case.

[6] In April, 1918, the Travelers' Insurance Company, of Hartford, Conn., commenced to issue a house organ similar in scope, purpose, and contents to the house organ of the Maryland company. "Protection" was used as a title for its publication and was objected to by officials of the Maryland company. In 1920 the Travelers' Company changed its title to "Travelers' Protection," the change being acquiesced in by the Maryland company. Taylor, a witness for the Maryland company, admits that it took no steps to prevent the Travelers' Company from using "Protection," because—

it was not necessary because they had identified their publication as the "Travelers' Protection."

This transaction does not destroy the Maryland company's right to register its mark, nor does it permit Van Sant to register his mark.

[7] This case is to be distinguished from those cases which hold that use of a mark in catalogues and advertisements is not sufficient to warrant registration of the mark for the goods so advertised; also from those cases involving a sporadic or single gift or transaction when there is no business established to be indicated by the mark. Sporadic gratuitously-distributed catalogues are to be distinguished from house organs which are sent periodically to established mailing lists.

The decision of the Examiner of Interferences is affirmed.

U. S. District Court—Northern District of Ohio—Eastern Division.

ALUMINUM GOODS MANUFACTURING COMPANY v. THE BUCKEYE ALUMINUM COMPANY.

Decided May 28, 1923.

1. DESIGNS—INVENTION—SKILL OF A DESIGNER.

It is an erroneous view of what constitutes invention in a design patent that a design made up of a combination of old elements is patentable, even though it required to produce it no skill beyond that of a skilled designer.

2. SAME—SAME—INCREASED SALES—HIGHER PRICE.

Ability to sell ware bearing the patented design side by side with the same ware without the design at a higher price and increased sales since putting it out are not conclusive of patentable novelty.

3. SAME—UNFAIR COMPETITION.

Where plaintiff's design patents were anticipated by the prior art and the design or principles of plaintiff's ware had not acquired a secondary meaning as indicating the origin of the product and plaintiff had not established any trade or goodwill in the form of its ware covered by the design under cover of which defendant or any one else might by fraud or confusion of goods sell its product under favor of any public knowledge or public reputation of plaintiff's product, *Held* that there was no unfair competition.

4. SAME—PRIOR ART—APPLICATION OF DESIGN TO ARTICLES MADE OF DIFFERENT MATERIALS.

In determining the validity of patents for designs for aluminum ware designs applied to materials such as silver, glass, and britannia metal constitute part of the prior art.

Messrs. Brown, Boettcher & Dienner, *Mr. F. O. Richey*, and *Mr. B. D. Watts* for the plaintiff.

Messrs Frease & Bond for the defendant.

WESTENHAVER, *J.:*

This is a patent infringement suit, charging infringement of eight design patents, Nos 48560, 51144, 51145, 53309, 53454, 55187, 55479 and 55480, and also unfair competition by manufacturing and selling imitations of the articles to which the designs are applied. On hearing No. 51145 appeared not to be infringed and was withdrawn. All were applied for and issued to one Walter Luttringhaus. Title is now in plaintiff. No. 48560 is a design for a coffee percolator. No. 51144 is a design for a tea-kettle. No. 53309 is for a Berlin kettle. No. 53454 is also for a Berlin sauce pan. No. 55187 is for a cookery pot. No. 55479 is for a preserving kettle. No. 55480 is also for a Berlin kettle. The body of these articles is made of aluminum. Plaintiff, two years prior to the application dates therefor made these articles with rounded bodies. The design for which the patents were issued, consists merely in imposing a belt of panels around the body of each of them. In manufacturing, the bodies are first drawn from aluminum metal, and the paneling is then stamped thereon.

Defendant urges as a defense to the infringement charge that no novelty, originality, or invention is present in any of these designs such as is required by law to support a design patent. It also urges that No. 48560 is void for double patenting in view of Patent No. 48559, a similar design patent issued to Luttringhaus. It is also urged that all the remaining design patents are likewise void for double patenting, because anticipated by Patents Nos. 48559 and 48560. In addition thereto, defendant cites and has proved an immense volume of prior art, some of which, it is asserted, fully anticipates, and that, in view of this entire prior art, none of the designs is patentable. Defendant has introduced 185 exhibits. Most of these exhibits are specimens of prior art: They consist of earlier design patents, catalogues, and other publications and physical specimens; in fact, they include nearly every article of kitchen or table ware in common use, including aluminum as well as glass, silver, and britannia-metal ware.

The defense of double patenting will not be considered or decided. I am content to dispose of the infringement charge on the ground that there is no novelty, originality, or invention within the meaning of the law pertaining to design patents present in any one of these several design patents. On June 27, 1913, a design patent No. 44210 was issued to Luttringhaus for a coffee or tea pot, which, excepting the paneling, is precisely the same as the percolator design No. 48560. Furthermore, as already stated, plaintiff was making and selling the other

articles more than two years prior to Luttringhaus's application dates, in the round form. The question of patentability then comes down solely to the feature of paneling. In the prior art, instances of similar paneling applied to the same or similar articles are numerous. They are too numerous to review or examine in detail. It will be sufficient to draw attention to some of them by exhibit numbers, namely: 11, 12, 13, 14, 17, 18, 20, 21, 22, 29, 30, 31, 47, 53, 68, 80, 81 to 85 inclusive, 91 to 113 inclusive, 180, 181, and 182. Indeed, it is not too much to say that if applying panels to rounded bodies could involve originality or invention, Exhibits 81 to 85 inclusive, catalogue and physical specimens of Wagner aluminum ware would, in my opinion, constitute a complete anticipation. The differences between Wagner and plaintiff's ware are slight and not sufficient to distinguish them in a patentable sense.

[1, 2] The authorities cited by counsel have been duly considered. If there is any conflict in the law, the principles which, in my opinion are correct and should be followed, will be found in the following cases: *Gorham* v. *White*, 14 Wall. 511; *Smith* v. *Whitman Saddle Co.*, 148 U. S. 674; 63 O. G. 912; *Chas. Boldt Co.* v. *Nivison-Weiskopf* (6 C. C. A.) 194 Fed. 871; *Westinghouse, Etc. Co.* v. *Triumph Elec. Co.* (6 C. C. A.) 97 Fed. 99; 90 O. G. 603; *Steffens* v. *Steiner* (2 C. C. A.) 232 Fed. 862; *Northrup* v. *Adams*, Fed. Cas. 10328; 12 O. G. 430; *Foster* v. *Crossin*, 44 Fed. 62; 54 O. G. 1115. *Steffens* v. *Steiner* is important because of its relation to earlier decisions of the court of appeals, second circuit, specially relied on by plaintiff's counsel. Those decisions were of such a nature as to mislead the district judge into an erroneous view of what constitutes invention in a design patent, who held that the test proper to be applied is that a design made up of a combination of old elements is patentable, even though it required to produce it no skill beyond that of a skilled designer. It is pointed out that this is an erroneous statement of the law and of the purport and effect of the earlier decisions of that circuit court of appeals, and that the standard of novelty, originality, and invention as declared and established by the authorities above cited, is the true one. *Foster* v. *Crossin*, a decision by Mr. Justice Gray, and *Northrup* v. *Adams*, are important because they have been so universally approved and followed, particularly in *Smith* v. *Whitman Saddle Co.* The consistency with which the courts have followed the principles of these cases is evidenced by Rose's notes to *Smith* v *Whitman Saddle Co.*, from which it appears that in 27 cases in which it has been cited, all the design patents were declared invalid for want of novelty, originality, and invention, with the exception only of three. Due consideration has been given to plaintiff's contention that its ability to sell the paneled ware side by side with the round ware at a higher price, and that its sales of both lines of ware have increased since putting out the paneled ware, is evidence of invention. *In Chas. Boldt Co.* v. *Nivison-Weiskopf*, similar arguments were urged upon the circuit court of appeals of this circuit, without success, and are not entitled in this case to any greater weight or consideration.

Plaintiff's charge of unfair competition is not sustained. Defendant, it is true, is making and selling articles of paneled aluminum ware substantially if not exactly similar. Plaintiff's complaint is that when its ware was first placed on the market, it commanded a price of $1.20 a dozen more than similar round ware, but that as a result of competition it has since been obliged to reduce the differential to sixty cents a dozen. This reduction and the competition of other paneled ware which produced it, took place before defendant began to make and sell its paneled aluminum ware. Hence the charge of unfair competition rests solely upon the fact that plaintiff first began to make and sell paneled aluminum ware. If plaintiff has not a valid patent the public is entitled to the benefit of this reduction in price. As was said by Mr. Justice Brown in *Pope Mfg. Co.* v. *Gormully*, 144 U. S. 224, 234; 59 O .G. 464:

> It is as important to the public that competition should not be repressed by worthless patents, as that the patentee of a really valuable invention should be protected in his monopoly.

[3] The Wagner aluminum ware was being made and marketed before plaintiff began to make and sell. No evidence is offered tending to show that the design or principles of plaintiff's ware has acquired a secondary meaning as indicating the origin of the product. No evidence is offered tending to show that plaintiff had established any trade or goodwill in the present form of its aluminum ware under cover of which defendant or any one else might by fraud or confusion of goods, sell its product under favor of any public knowledge or public reputation of plaintiff's product and thereby appropriate to itself some part of plaintiff's goodwill or business. These are elements essential to the support of a charge of unfair competition.

The cases in which unnecessary imitation of nonfunctional parts has been considered as an important or a vital factor in sustaining a charge of unfair competition, even if correctly decided have no application in this situation. This case falls clearly within the following decisions of the circuit court of appeals of this circuit: *Computing Scale Co.* v. *Standard Computing Scale Co.*, 118 Fed. 965, 971; *Globe-Wernicke* v. *Macey Co.*, 119 Fed. 696; *Rathbone-Sard & Co.* v. *Champion Steel Range Co.*, 189 Fed. 26; *Detroit Show Case Co.* v. *Kaiser Mfg. Co.*, 250 Fed. 234; 254 O. G. 655. The decision in *Howard Dustless Duster Co.* v. *Carleton* (D. C.) 185 Fed. 979, cited by plaintiff, was recalled and disapproved by the judge who delivered it, in 187 Fed. 472. The principles of *Rathbone, Sard & Co.* v. *Champion Steel Range Co.*, requiring priority of appropriation and establishment of a trade name or appearance as essential to the law of unfair competition, are supported by *Theo. Rectanus* v. *United Drug Co.* (6 C. C. A.) 226 Fed. 545; *Hanover Star Milling Co.* v. *Metcalf*, 240 U. S. 403; 224 O. G. 1407; *United Drug* v. *Rectanus*, 248 U. S. 90; 257 O. G. 1082.

[4] In my consideration of the prior art, I have accorded a place therein to designs applied to material other than aluminum such as silver, glass, and britannia metal. This is undoubtedly the correct rule. *1st Robinson on Patents*, sec. 206; *Tyler* v. *St. Amand* (D. of C. App.) 94 O. G. 10069; *Foster* v. *Crossin*, 44 Fed. 62.

Plaintiff's bill will be dismissed at its cost.

Court of Appeals of the District of Columbia.

BILLINGSLEY *v.* MELBA MFG. CO.

No. 1,629. Decided March 3, 1924.

1. TRADE-MARKS — OPPOSITION — ESTOPPEL — SEVERAL MARKS APPLIED BY OPPOSER TO CLASS OF GOODS FOR WHICH APPLICANT SEEKS TO REGISTER HIS MARK—"ADOREE," "ADORME," "ADORABLE."
Where the opposer has long applied its two marks "Adoree" and "Adorme" to the same class of goods for which applicant seeks to register the word "Adorable" and applicant urges that opposer is estopped to contend that it would be injured by the registration because its marks differ as much from each other as from applicant's mark, *Held* that the two words employed by opposer mean the same to the public, and consequently are not calculated to cause confusion.

2. SAME—SAME—SAME—PURELY TECHNICAL DEFECTS NOT CALCULATED TO CONFUSE OR DECEIVE THE PUBLIC.
The defects of one party do not offer a very broad ground for allowing another to take advantage of him, and where the defect is of a purely technical character and not calculated to confuse or deceive the public the relief afforded by opposition proceedings should not be withheld.

Mattie D. Billingsley pro se.

Mr. E. S. Rogers for Melba Mfg. Co.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

The appellant seeks registration of "Adorable" for the same class of goods to which the opposer long has applied its marks, "Adoree" and "Adorme." The concurrent decisions of the Patent Office tribunals sustained the opposition and refused registration.

[1, 2] Appellant contends that, under the opinion of this court in *Alaska Packer Association* v. *Admiralty Trading Co.*, 43 App. D. C. 198, 214 O. G. 1025, appellee is estopped to contend that it would be injured by the registration. In that case the opposer had used several marks consisting of flags of different colors and markings, each of which differed as much from the others as from applicant's flag. The opposition was dismissed in the Patent Office and we sustained the dismissal, with the suggestion that it still would be a question for the Office as to whether it would register the mark. Here opposer's marks are substantially the same both in appearance and signification. We ruled in *Nestle & A. S. C. Milk Co.* v. *Walter Baker & Co.*, 37 App. D. C. 148, 167 O. G. 765, where we were speaking of the word Milkmaid and the figure of a milkmaid beneath, that the word and the pictorial representation meant the same to the public, that is, "the right to employ one necessarily includes the right to employ both." So, here, the two words employed by opposer mean the same to the public and, consequently, are not calculated to cause confusion. As was suggested in *Coca-Cola Co.* v. *Coke Co.*, 254 U. S. 143, 145, the defects of one party do not offer a very broad ground for allowing another to take advantage of him; and where, as here, the defect is of a purely technical character and not calculated to confuse or deceive the public, the relief afforded by opposition proceedings should not be withheld.

The decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

841,844, J. Bernet, Key-operated locking switch, decree for defendants dismissing bill July 1, 1924, D. C., E. D. Wis., Doc. 1353 C. D., *W. R. Cox* v. *Clum Mfg. Co. et al.*

874,666, Gauthier & Rodriques-Ely, Apparatus for perforating and cutting metals, suit filed Aug. 4, 1924, D. C., S. D. N. Y., Doc. E 30/88, *Air Reduction Co., Inc.* v. *Oxweld Acetylene Co., Inc.*

879,532, L. de Forest, Space telegraphy, suits filed July 31, 1924, D. C., S. D. N. Y., Doc. E 30/83, *Radio Corp. of America et al.* v. *R. H. Herschman et al.* Same, Doc. E 30/84, *Radio Corp. of America et al.* v. *H. Bobker et al.*

892,180, Patten & Barnett, Drill bit; 1,195,209, T. J. Griffin, Rotary drill; 1,374,867, F. L. O. Wadsworth, Rotary boring drill, suit filed July 9, 1924, D. C., S. D. Calif., Doc. E H-108-M, *Hughes Tool Co.* v. *Emisco Steel Products Co.*

968,576, C. R. Libby, Pneumatic-despatch-tube apparatus, interlocutory decree entered for plaintiff for an injunction on first and second claims. Defendant appealed to C. C. of Appeals for 1st Circuit Mar. 24, 1924; injunction issued June 23, 1924, D. C. Mass., Doc. E 1831, *The Lamson Co.* v. *E. T. Slattery Co.*

983,994, N. T. Harrington, Carburetor; 984,032, J. B. Seager, same, suit filed Apr. 10, 1922, D. C., S. D. N. Y., Doc. 23/280, *J. B. Seager et al.* v. *The Zorzi Corp.* Final decree sustaining patents, adjudging infringement, and granting injunction filed Aug. 2, 1924.

984,032. (See 983,994.)

1,004,505, A. V. L. Verneuil, Synthetic sapphire, suit filed Aug. 5, 1924, D. C., S. D. N. Y., Doc. E 30/89, *L. Heller & Son, Inc.*, v. *K. Ginsburg.*

1,046,736, B. A. Clayton, Operating chair or table, suit filed June 14, 1924, D. C., S. D. Iowa, Doc. E 4060, *B. J. Palmer* v. *Champion Table Co. et al.* Same, suit filed June 16, 1924, D. C., S. D. Iowa, Doc. E 4062, *B. J. Palmer* v. *Davenport Pattern & Machine Works et al.*

1,088,476, W. E. Stiles, Operating table, suit filed June 14, 1924, D. C., S. D. Iowa, Doc. 4061, *M. H. Palmer* v. *Champion Table Co. et al.* Same, suit filed June 16, 1924, D. C., S. D. Iowa, Doc. E 4063, *M. H. Palmer* v. *Davenport Pattern & Machine Works et al.*

1,134,025, C. F. Tucker, Oil-hole cover, suit filed July 30, 1924, D. C., N. D. N. Y., Doc. 520, *W. W. & C. F. Tucker, Inc.*, v. *Boicen Products Corp.*

1,142,223, A. Andrews, Irrigating plant, suit filed Oct. 20, 1923, D. C., W. D. Mich. (S. Div.), Doc. 2001, *The Skinner Irrigation Co.* v. *March Automatic Irrigation Co.* Decree dismissing bill of complaint with costs (notice dated July 25, 1924).

1,149,495, G. C. Carson, Metallurgical furnace; 1,302,307, same, Construction of roof of open-hearth and reverberatory furnaces, suit filed July 11, 1924. D. C. Mont., Doc. 345. *G. C. Carson* v. *International Smelting Co.* Same, suit filed July 12, 1924. D. C. Mont., Doc. 229, *G. C. Carson* v. *Anaconda Copper Mining Co.*

1,195,209. (See 892,180.)

1,207,533, H. C. Gamble, Collapsible traveling bag, suit filed Dec. 22, 1923, D. C., S. D. N. Y., Doc. E 28/202. *H. C. Gamble* v. *L. S. Harris et al.* Consent decree sustaining patent, enjoining defendant, and granting injunction filed Aug. 6, 1924.

1,234,984, G. C. Walker, Float for concrete, suit filed July 29, 1924, D. C., E. D. Mich. (S. Div.), Doc. 787. *G. C. Walker et al.* v. *E. C. Carr et al.*

1,243,959, R. F. McGowan, Furnace, bill dismissed (notice dated July 23, 1924), D. C., S. D. Ohio (E. Div.), Doc. 295, *W. E. Pierson* v. *R. F. McGowan.*

1,271,006, A. S. Becker, Process for printing and transferring decalcomanias to china, metal, wood, etc., decree dismissing bill entered July 28, 1924, D. C., S. D. Ohio (W. Div.), Doc. E 309. *The Palm Brothers Co.* v. *The American Automobile Accessories Co. et al.*

1,281,022, H. F. Kellner, Jetty construction, suit filed July 22, 1924, D. C. Kans., Doc. 2731, *H. F. Kellner* v. *G. W. Rehfield.*

1,302,307. (See 1,149,495.)

1,334,949, 1,377,767, A. S. Falls, Desk, suit filed Oct. 11, 1923, D. C., W. D. Mich. (S. Div.), Doc. 1971, *A. S. Falls et al* v. *Kalamazoo Loose Leaf Binder Co. et al.* Decree dismissing bill with costs (notice dated July 25, 1924).

1,348,407, J. E. Greenawalt, Apparatus for roasting or sintering ores, suit filed Jan. 15, 1924, D. C. Mont., Doc. 319, *J. E. Greenawalt* v. *American Smelting & Refining Co.*

1,374,867. (See 892,180.)

1,377,767. (See 1,334,949.)

1,395,893, C. W. Beck, Steering wheel and method of forming same, suit filed July 24, 1924, D. C., N. D. Ohio (W. Div.), Doc. E 478, *The Beck-Frost Corp.* v. *F. Moser.*

1,411,391, J. D. Tucker, Spoke tightener; 1,424,530, Tucker & Tucker, same, decree entered July 25, 1924, nunc pro tunc as of May 17, 1923, permanently enjoining defendant, D. C., W. D. Okla., Doc. E 565, *Tucker Bros. Mfg. Co.* v. *O. J. Putney.*

1,424,144, B. Kunkel, Battery cover, suit filed July 31, 1924, D. C., E. D. Mich., Doc. 790, *B. Kunkel* v. *Ford Motor Co.*

1,424,530. (See 1,411,391.)

1,431,260, H. Rosen, Button-making machine, suits filed July 29, 1924, D. C., S. D. N. Y., Doc. E 30/78, *H. Rosen et al* v. *T. Goldberg et al. (Star Button & Trimming Co.).* Same, Doc. E 30/79, *H. Rosen et al.* v. *S. Spahan (Academy Button Co.).*

1,460,040. (See Des. 60,463.)

1,478,207, J. B. Downing, Switch plug, suit filed July 24, 1924, D. C., S. D. N. Y., Doc. E 30/38, *Beaver Machine & Tool Co., Inc.*, v. *Magnus Electric Co., Inc.*

1,491,096, A. B. Hicken, Portable material-handling machine, suit filed July 1, 1924, D. C., E. D. Wis., Doc. 1442 C. D., *A. B. Hicken* v. *Wisconsin Gravel Co.*

Des. 60,463, R. F. Lindemann, Husk for lighting fixtures; 1,460,040, J. W. Schulze, same, suit filed July 26, 1924, D. C., S. D. N. Y., Doc. E 30/48, *A. Vester Sons, Inc.*, v. *Moe Bridges Co.*

Des. 64,982, M. Klein, Ceiling light; Des. 65,279, same, Ceiling lighting fixture, suit filed Aug. 4, 1924, D. C., S. D. N. Y., Doc. E 30/87, *Shapiro & Aronson* v. *Columbia Lighting Fixture Co.*

Des. 65,279. (See Des. 64,982.)

Re. 14,353, W. Jay, Liquid-feeding apparatus, suit filed Feb. 27, 1922, D. C., S. D. N. Y., Doc. 23/151, *W. Jay et al.* v. *The Zorzi Corp.* Final decree sustaining patent, adjudging infringement, and granting injunction filed Aug. 2, 1924.

Re. 14,746, G. I. Rockwood, Dry-pipe valve, suit filed Dec. 12, 1924, D. C., S. D. N. Y., Doc. E 16/360, *G. I. Rockwood* v. *General Fire Extinguisher Co.* Final decree dismissing bill with costs for defendant filed Aug. 6, 1924.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 19, 1924.*

Alexander Rechnitzer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of William S. Gubelmann, 773 Richmond Avenue, Buffalo, N. Y., and patent granted March 14, 1922, No. 1,409,575, to Alexander Rechnitzer, 140 St. Botolph Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Rechnitzer at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rechnitzer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 25, 1924.*

The Royal Manufacturing Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between Remy E. Stoffel, 2868 Lemp Avenue, St. Louis, Mo., for registration of a trade-mark and trade-mark registered September 4, 1894, No. 25,211, to The Royal Manufacturing Co., 527 North Cherry Street, Lancaster, Pa. The Office having been unable to secure service upon The Royal Manufacturing Co., notice is hereby given that unless The Royal Manufacturing Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Aug. 27, 1924.*

Zucker & Levett & Loeb Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between A. P. Munning & Co., 52 Vesey Street, New York, N. Y., for registration of a trade-mark and trade-mark registered June 23, 1908, No. 69,580, to Zucker & Levett & Loeb Company, New York, N. Y., and a notice of such declaration sent by registered mail to said Zucker & Levett & Loeb Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Zucker & Levett & Loeb Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Rubber Company of America, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Continental Tire Corporation, 1508 South Michigan Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 14, 1910, No. 78,448, to Rubber Company of America, 249–251 Ocean Avenue, Jersey City, N. J., and a notice of such declaration sent by registered mail to said Rubber Company of America at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rubber Company of America, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 16, 1924.

[VOL. 326, No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 88,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOLERTON & WARFIELD CO., Sioux City, Iowa. Filed Aug. 2, 1915.

SUPERB

Particular description of goods.—Sliced Beef, Mincemeat, Canned Soups, Raw Pop Corn, Tapioca, Dried Fruits, Food-Flavoring Extracts, Peanut Butter, Spices, Fruit Preserves, Jellies, Marmalades, Mustard, Olives, Cornstarch, Honey, Sugar, Seeded Raisins, Jelly Powder.
Claims use since Jan. 1, 1911.

Ser. No. 158,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KASCO MILLS, INC., Waverly, N. Y. Filed Feb. 4, 1922.



Particular description of goods.—Poultry Feed.
Claims use since February, 1918.

Ser. No. 163,869. (CLASS 39. CLOTHING.) GRAM HEADWEAR MFG. CO., St. Louis, Mo. Filed May 15, 1922.

RAINRSHINE

Particular description of goods.—Hats for Women and Children.
Claims use since Apr. 1, 1922.

Ser. No. 166,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORE BROTHERS, St. Thomas, Ontario, Canada. Filed July 13, 1922.



No claim is made to the words "Antiseptic Dressing for Cancer, Running Sores, Poisonous Bites, Etc."
Particular description of goods.—Antiseptic Dressing.
Claims use since June 7, 1922.

Ser. No. 167,813. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Aug. 4, 1922.

HERCULES

Particular description of goods.—Turpentine and Pine Oil.
Claims use since Jan. 1, 1922.

Ser. No. 167,814. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Aug. 4, 1922.



Particular description of goods.—Turpentine and Pine Oil.
Claims use since Jan. 1, 1922.

Ser. No. 170,369. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE COLSON COMPANY, Elyria, Ohio. Filed Oct. 6, 1922.

DISCOOTER

Particular description of goods.—Child's Two-Wheeled Vehicle in the Nature of a Scooter or Coaster.
Claims use since September, 1922.

Ser. No. 170,370. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE COLSON COMPANY, Elyria, Ohio. Filed Oct. 6, 1922.

BI-PLANE

Particular description of goods.—Child's Two-Wheeled Vehicle Known as a Scooter or Coaster.
Claims use since Jan. 1, 1914.

Ser. No. 171,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DIXIE CHEMICAL COMPANY, Inman, S. C. Filed Oct. 21, 1922.

DIXIE

Particular description of goods.—Preparation for Beautifying and Promoting the Growth of Healthy Hair.
Claims use since Feb. 1, 1922.

Ser. No. 174,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LOOMIS & WILLSON CO., Hartford, Conn. Filed Dec. 30, 1922.

WHITE SWAN



Particular description of goods.—Table and Dairy Salt.
Claims use since July 1, 1882.

Ser. No. 176,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAY-WHITE PRODUCTS, INC., New York, N. Y. Filed Feb. 23, 1923.

KAY-WHITE

Particular description of goods.—Caramel Paste, Nougat Cream, Marshmallow Topping, Cake Icings, Fudge Dressings, and Sundae Dressings.
Claims use since about Apr. 5, 1920.

Ser. No. 176,660. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRAVIS AND WALKER, Chicago, Ill. Filed Feb. 26, 1923.

TRAV-WAL

Particular description of goods.—Insecticide in Powdered and Liquid Form.
Claims use since Dec. 1, 1922.

Ser. No. 178,092. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed Mar. 27, 1923.



Particular description of goods.—Piece Goods, Being Alpacas, Prints, Calicos, Poplins, and Indigo-Dyed Work Shirtings.
Claims use since Nov. 19, 1891.

Ser. No. 178,669. (CLASS 39. CLOTHING.) JULIENNE PEUMOT ET CIE., Paris, France. Filed Apr. 6, 1923.

JULIENNE

Particular description of goods.—Men's, Women's, and Children's Boots and Shoes Made of Leather, Rubber, and Fabric or Combinations Thereof.
Claims use since Dec. 7, 1922.

Ser. No. 178,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. T. REDDEN & COMPANY, Denton, Md. Filed Apr. 6, 1923.

EARLY BIRD



Particular description of goods.—Canned Vegetables.
Claims use since Jan. 1, 1896.

Ser. No. 178,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORDNER PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

Cheesewich

Particular description of goods.—Sandwiches.
Claims use since Sept. 29, 1922.

Ser. No. 179,152. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WOLFF KAUFMAN, Paterson, N. J. Filed Apr. 14, 1923.

"ACTIVE 20"

Particular description of goods.—Inductance Coils, Loading Coils, Tuning Coils, Electrical Coils, Electrical Coils for Use in Connection With Radio Telephone and Telegraph Apparatus.
Claims use since Jan. 20, 1923.

Ser. No. 180,866. (CLASS 39. CLOTHING.) INTERNATIONAL GRENFELL ASSOCIATION, INC., St. Johns, Newfoundland. Filed May 19, 1923.



Without waiving its common-law rights and for the purposes of registration only applicant hereby disclaims the exclusive use of the word "Labrador" on the goods specified apart from the mark shown in the drawings.
Particular description of goods.—Skin Boots, Moccasins; Shoes of Leather, Rubber, Fabric, and Combinations Thereof; Hooded Jackets, Knickers.
Claims use since Feb. 15, 1923.

Ser. No. 180,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed May 21, 1923.

ORIOLE



Particular description of goods.—Canned Fruits and Fruit Preserves, Canned Vegetables; Canned Sea Foods—Namely, Oysters, Lobsters, Salmon, Clams, Shrimp, Herring, and Anchovies; Cheese, Condensed Milk, Coffee, Cocoa, Icing and Powdered Sugar; Shelled, Unshelled, and Salted Nuts; Dates, Prepared and Dried Figs, Dried Fruits; and Confectionery—Namely, Candy, Chocolate Candy, Hard Candies, and Stick Candy.
Claims use since 1884.

Ser. No. 181,045. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROBB-ROSS CO., Sioux City, Iowa. Filed May 23, 1923.

TROPICAL

Particular description of goods.—Vinegar and Peanut Butter.
Claims use since 1921.

Ser. No. 181,313. (CLASS 15. OILS AND GREASES.) WM. C. ROBINSON & SON CO., Baltimore, Md. Filed May 28, 1923.

AUTOFLUSH

Particular description of goods.—An Oil for Flushing Crank Cases of Internal-Combustion Engines.
Claims use since Apr. 3, 1923.

Ser. No. 181,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENNETT & ROYALTY, Dyer, Ky. Filed May 31, 1923.

BEARS FOOT

Particular description of goods.—Medicines for Use in the Treatment of the Blood, Ailments of the Stomach, Neuralgia, White Swellings, for a Vermifuge; for Ointment Used in the Treatment of Rheumatism, Ulcers, Stiff Joints, Sprains, Bruises, Contracted Muscles, Cuts, Swellings and Burns; for Hair Tonic, for an Ointment for use in the Treatment of Tetter and Ringworm, for Nerve Tonics, Antiseptic Washes; and for Preparations for Use in the Treatment of Bold Hives, Appendicitis, Coughs, Chills, Cancers, Lungs, Influenza, Pleurisy, Liver and Bowels, Corns and Warts, St. Vitus's Dance, Piles, Gall Stones, Blood Poison, Catarrh, Eczema, Nerves, Dropsy, Heart, Kidneys, Asthma.
Claims use since May 10, 1923.

Ser. No. 181,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GODDARD GROCER COMPANY, St. Louis, Mo. Filed June 13, 1923.

FESTAL HALL

Particular description of goods.—Canned Vegetables, Canned Fruits, and Canned Berries—Namely, Tomatoes, Asparagus, Asparagus Tips, Beets, Corn, Hominy, Okra, Red Kidney Beans, Lima Beans, Kraut, Peas, Pumpkin, Sweet Potatoes, Spinach, Succotash, String Beans, Apricots, Berries, Cherries, Plums, Fruit Salad, Grapes, Prunes, Pears, Peaches, Pineapple, Apples; Fruit Preserves, Fruit Jellies, Apple Butter, Olives, Honey, Preserved Figs; Condiments—Namely, Salad Dressing, Tomato Catchup, Spices, Dry Mustard, Prepared Mustard, Paprika, and Pepper Sauce; Pickles, Evaporated Fruits, Dried Raisins, Baked Beans, Canned Fish, Canned Shrimp, Canned Crab Meat, Canned Lobster, Canned Plum Pudding, Vinegar, Cocoa, Coffee, Maple Sirup, Cane Sirup, Mincemeat, Tea, Shelled Nuts in Their Natural State, Olive Oil, Peanut Butter, Canned Pimientos, Food-Flavoring Extracts, Canned Figs and Rice.
Claims use since Nov. 20, 1905.

Ser. No. 182,328. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed June 22, 1923.

CASCADE

Particular description of goods.—Washing Machines and Dry-Cleaning Machines.
Claims use since March, 1918.

Ser. No. 182,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed June 25, 1923.

"JUST SCRUMPSHUS"

Particular description of goods.—Chocolates Packed in Boxes and other Containers.
Claims use since February, 1923.

Ser. No. 182,883. (CLASS 39. CLOTHING.) W. C. SMITH GLOVE CO. INC., Gloversville, N. Y. Filed July 6, 1923.

Wristite

The lining appearing on the drawing is for the purpose of shading only.
Particular description of goods.—Men's, Women's, and Children's Gloves of Fabric, Leather, and Fabric and Leather.
Claims use since Apr. 3, 1923.

Ser. No. 183,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS MOURADICK, Lone Star, Calif. Filed July 17, 1923.



The words "Brand, Selected Grapes, Grower and Shipper, Fresno, California" are disclaimed apart from the mark shown.
Particular description of goods.—Grapes in Their Natural State.
Claims use since June 1, 1923.

Ser. No. 183,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.



The lining of drawing indicates orange red.
Particular description of goods.—Rouge.
Claims use since about July 1, 1923.

Ser. No. 183,928. (CLASS 39. CLOTHING.) LEONARD & BARROWS, Middleboro and Boston, Mass. Filed Aug. 1, 1923.

OVERLAND

Particular description of goods.—Rubber Heels for Boots and Shoes.
Claims use since Feb. 1, 1923.

Ser. No. 183,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAKAO-KOMPAGNIE THEODOR REICHARDT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Wandsbek-Hamburg, Germany. Filed Aug. 2, 1923.

CHOCLEAU

Particular description of goods.—Cocoa and Chocolate in Powder, Paste, and Cake Form for Food Purposes and Dietary Foods—Namely, Cakes, Biscuits, and Crackers Comprising Cocoa, Chocolate, and Sirup of Chocolate Mixed With Other Ingredients.
Claims use since 1906.

Ser. No. 184,210. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FRANK W. MCLANATHAN, doing business as F. W. McLanathan & Son, Lawrence, Mass. Filed Aug. 8, 1923.

WONDER

TAN

For the purpose of this registration and without waiving any common-law rights thereto no claim is made to the term "Tan" apart from mark shown in the drawing.
Particular description of goods.—Leather Belting.
Claims use since November, 1913.

Ser. No. 184,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID MOLOFSKY, doing business as Silmo Chemical Company, Vineland, N. J. Filed Aug. 15, 1923.

SILMO

Particular description of goods.—Preparation for Use as a Disinfectant, Deodorant, Insecticide, and Germicide for Veterinary Purposes.
Claims use since about July, 1921.

Ser. No. 184,550. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GOLD SEAL JEWELERS, New York, N. Y. Filed Aug. 16, 1923.

FLEUR de LYS

Particular description of goods.—Pearls.
Claims use since Jan. 1, 1920.

Ser. No. 184,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SVENNING DREYER, Woodcliff, N. J. Filed Aug. 18, 1923.

Ki-Ki

Particular description of goods.—Candy—Namely, Molasses Candy, Fruit Candy, and Chocolate Candy.
Claims use since about July 15, 1923.

Ser. No. 185,082. (CLASS 37. PAPER AND STATIONERY.) KEYSTONE BUSINESS SERVICE CO. INC., Scranton, Pa. Filed Aug. 28, 1923.

KEYSTONE BUSINESS SERVICE COMPANY, Inc.

Particular description of goods.—Income-Tax and Business Records.
Claims use since July 12, 1923.

Ser. No. 186,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY L. DES ANGES, doing business as Pep-o-Petrolatum Company, Flushing, N. Y. Filed Sept. 22, 1923.

PEP-O-PETROLATUM

No claim is made to the word "Petrolatum" apart from the association shown.
Particular description of goods.—Intestinal Tonic.
Claims use since Dec. 1, 1922.

Ser. No. 187,888. (CLASS 39. CLOTHING.) UNITED RUBBER AND LEATHER COMPANY, Boston, Mass. Filed Nov. 2, 1923.



The lining upon the trade-mark in drawing is for the purpose of shading only.
Particular description of goods.—Heels and Soles for Boots and Shoes Made of Rubber and of Rubber Combined with Fibrous Material.
Claims use since Aug. 17, 1923.

Ser. No. 188,195. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOSTER-MCCLELLAN CO., Buffalo, N. Y., and Paris, France. Filed Nov. 10, 1923.

TONILAX

Particular description of goods.—Cathartic Pills.
Claims use since Jan. 1, 1923.

Ser. No. 188,243. (CLASS 39. CLOTHING.) HYNES AND DALY, O'Neill, Nebr. Filed Nov. 12, 1923.

GLAD HAND



Particular description of goods.—Mittens and Gloves of Rubber with or without the Use of Fabric Lining or a Combination of Rubber.
Claims use since Jan. 1, 1923.

Ser. No. 188,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL GREENFIELD, New York, N. Y. Filed Nov. 16, 1923.



Particular description of goods.—Hair-Removing Wax.
Claims use since Sept. 1, 1923.

Ser. No. 190,596. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LAFAYETTE PHARMACAL CO., La Fayette, Ind. Filed Jan. 9, 1924.

ENTERO
CAP

Particular description of goods.—Enteric or Salol Coated Gelatin or Other Capsules Filled or Containing Any Medicine Intended for Administration in the Bowel.
Claims use since July 1, 1923.

Ser. No. 190,724. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Jan. 12, 1924.

JIM BOWS

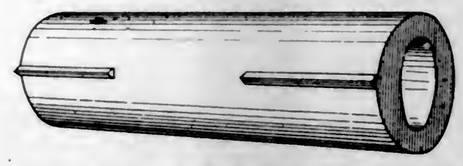
No claim is made to the word "Bows" apart from the mark shown on the drawing.
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since 1911.

Ser. No. 190,817. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETA ANONIMA PRODOTTI IOZZI, Florence, Italy. Filed Jan. 14, 1924.

AFTEA

Particular description of goods.—Specific for the Treatment of Diseases of Cattle, Such as Foot and Mouth Disease.
Claims use since Apr. 20, 1922.

Ser. No. 191,364. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CORED BAR CORPORATION, Buffalo, N. Y. Filed Jan. 28, 1924.



Trade-mark consists of a rib or projection on the surface of the rod or bar extending longitudinally thereof, no claim being made to the representation of the rod or bar apart from the mark shown in the drawing.
Particular description of goods.—Cored and Solid Bars.
Claims use since on or about Oct. 19, 1923.

Ser. No. 191,365. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CORED BAR CORPORATION, Buffalo, N. Y. Filed Jan. 28, 1924.



Trade-mark consists of two substantially parallel ribs or projections on the surface of the rod or bar extending longitudinally thereof, no claim being made to the representation of the rod or bar apart from the mark shown in the drawing.
Particular description of goods.—Cored and Solid Bars.
Claims use since on or about Oct. 19, 1923.

Ser. No. 191,366. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CORED BAR CORPORATION, Buffalo, N. Y. Filed Jan. 28, 1924.



Trade-mark consists of three substantially parallel ribs or projections on the surface of the rod or bar extending longitudinally thereof, no claim being made to the representation of the rod or bar apart from the mark shown in the drawing.
Particular description of goods.—Cored and Solid Bars.
Claims use since on or about Oct. 19, 1923.

Ser. No. 191,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORTUNE PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 5, 1924.

Contains a Wealth of Health
FORTUNE

Particular description of goods.—Alimentary Paste Products—Namely, Spaghetti, Noodles, Prepared Canned Spaghetti; Chocolate, Cocoa, Coffee, Tea, Baking Chocolate; Edible Oils—Namely, Olive Oil, Corn Oil, Peanut

Butter; Farinaceous Products—Namely, Farina, Rice, Bran, Rolled Oats; Food-Flavoring Extracts, Jelly Powder, Pickles, Tomato Catchup, Vinegar; Condiments—Namely, Chili Sauce, Worcestershire Sauce; Sugar, Table Sirup, Molasses, Nut Meats in Their Natural State, Salted Nuts, Jams, Jellies, and Grated Cheese.

Claims use since Dec. 1, 1919.

Ser. No. 191,915. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHAPIRO & ARONSON, INC., New York, N. Y. Filed Feb. 6, 1924.

FLORENZO

"Florenzo."

Particular description of goods.—Electric-Lighting-Fixture Parts—Namely, Bracket Backs, Canopies, Socket Covers, Ceiling Plates, Chandeliers, Ceiling Lamps, Floor Lamps, Husks, Bobeshes, and Shades.

Claims use since Feb. 6, 1922.

Ser. No. 192,268. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRITCHETT & GOLD and E. P. S. COMPANY, LIMITED, London, England. Filed Feb. 14, 1924.

DAGENITE

Particular description of goods.—Storage-Battery and Acid-Proof Boxes, Cases, Washers, Bushes, Plugs, and Fittings Made from Electric Insulating Compounds Containing Bitumen and Like Substances or Substitutes Therefor.

Claims use since January, 1913.

Ser. No. 192,405. (CLASS 39. CLOTHING.) THE M & P CORSET CO., Derby, Conn. Filed Feb. 16, 1924.

M&P
HOLD-U-FRONT

Particular description of goods.—Corsets, Corsettos, Combinettes, and Brassières.

Claims use since Feb. 1, 1924.

Ser. No. 192,527. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex. Filed Feb. 19, 1924.

RICE HOTEL

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Salmon, Canned Shrimp, Canned Tunny, Fresh and Dried Split Figs and Whole Figs, Golden Dates, Currants, Jams, Fruit Preserves, Jellies, Table Sirup, Pure Cane Sirup for Food Purposes, Maple Sirup, Pancake Sirup, Mincemeat, Olives, Olive Oil, Pecan Meats Salted and in Their Natural State, Canned Pork and Beans, Peanut Butter, Tomato Sauce, White Corn Meal, Yellow Corn Meal, Breakfast Cereals, Alimentary Paste Products, Lye Hominy, Salad Dressing, Canned Fruit Salad, Okra, Canned Pimientos, Mustard, Tumeric, Paprika, Vinegar, Spices, Food-Flavoring Extracts, Canned Oysters, Oyster-Cocktail Sauce, Vegetable Relishes, Chile Con Carne, Evaporated Milk, Coffee, Blended Coffee, Tea, Canned Berries, and Fresh Fig Preserves.

Claims use since Mar. 20, 1918.

Ser. No. 192,604. (CLASS 12. CONSTRUCTION MATERIALS.) COPLAY CEMENT MANUFACTURING COMPANY, Coplay, Pa. Filed Feb. 21, 1924. Under ten-year proviso.

SAYLOR'S Portland Cement
COPLAY CEMENT
MANUFACTURINC CO
COPLAY, PA.

No claim is made to the words "Trade Mark Registered U. S. Patent Office."

Particular description of goods.—Portland Cement.

Claims use since Jan. 1, 1874.

Ser. No. 192,618. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JENNINGS SILVER CO., Irvington, N. J. Filed Feb. 21, 1924.

JESCO.

Particular description of goods.—Coffeepots, Sugar Bowls, Cream Pitchers, Creamers, Fruit Baskets, Bread Trays, Meat Covers, Griddle-Cake Covers, Chop Platters and Covers, Finger Bowls, Sirup Pitchers, Soup Tureens, Compartment Plates, Bread and Butter Plates, Service Plates, Serving Trays, Soup Cups; Knife, Fork, and Spoon Holders; Butter Chips, Bouillon Cups, Napkin Holders, Salt and Pepper Sets, Castors, Flower Holders, Spoon Holders, Straw Holders, Banana Split Dishes, Fruit Bowls, Menu Holders, Sundae Cups, Holders for Glasses and Paper Cups, Cheese and Cracker Dishes, Vegetable Dishes, Sandwich Plates, Meat Platters, Bonbon Dishes, Cake Baskets, Bread Trays, Roll Trays, Comports, and Casseroles, Hairbrushes, Combs, and Mirrors, Cloth and Hat Brushes, Shaving Stands, Manicure Sets, Military Sets, and Shaving Sets, All Made Wholly or in Part of Silver-Plated Base Metal.

Claims use since about June 15, 1923.

Ser. No. 192,935. (CLASS 39. CLOTHING.) STAR GARTER CO., Chicago, Ill. Filed Feb. 27, 1924.

Jack and Jill

Particular description of goods.—Infants' Bibs and Children's Aprons.

Claims use since July 24, 1923.

Ser. No. 193,047. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed Feb. 29, 1924.



The ground of the square panel is usually printed in yellow and the ground of the circular medallion upon which the head appears in red. The lining is for the purpose of shading only.

Particular description of goods.—Bleached Cotton Piece Goods.

Claims use since 1905.

Ser. No. 193,197. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) U. S. SALES DISTRIBUTING CORPORATION, Duluth, Minn. Filed Mar. 3, 1924.



Particular description of goods.—Electrically Operated and Lighted Stop and Direction Signals for Vehicles.

Claims use since Jan. 18, 1924.

Ser. No. 193,221. (CLASS 39. CLOTHING.) FRANCBERT, INC., New York, N. Y. Filed Mar. 4, 1924.

"Slimold"

Particular description of goods.—Brassières and Corsets with Diaphragm Control Device Attachment.

Claims use since about Jan. 5, 1924.

Ser. No. 193,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREIUS VINATIE, Paris, France. Filed Mar. 10, 1924.



No claim is made to the words "Paris" or "Dattes Muscades Sur Choix" apart from the mark as shown.

Particular description of goods.—Dattes.

Claims use since 1911.

Ser. No. 193,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK LANG, Buffalo, N. Y. Filed Mar. 11, 1924.

LANGSHIRE

Particular description of goods.—Smoked Meats—Namely, Hams and Bacon—Sausage, Butter, Eggs, Dressed Poultry, Lard, Cheese, Coffee, and Tea.

Claims use since October, 1922.

Ser. No. 193,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. W. LIGHTBOWN & SONS, Accrington, England. Filed Mar. 11, 1924.

GRIPS

Particular description of goods. Medicinal Cough Drops.

Claims use since 1900.

Ser. No. 193,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WIDLAR COMPANY, Cleveland, Ohio. Filed Mar. 17, 1924.

Widlar's
Chow-May

Particular description of goods.—Sandwich Spread Comprising a Mixture of Eggs, Oil, Salt, Sugar, Vegetable, Vinegar, and Spices.

Claims use since Jan. 16, 1924.

Ser. No. 194,453. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KLEIN-SIMPSON FRUIT COMPANY, Los Angeles, Calif. Filed Mar. 26, 1924.

BUSTER



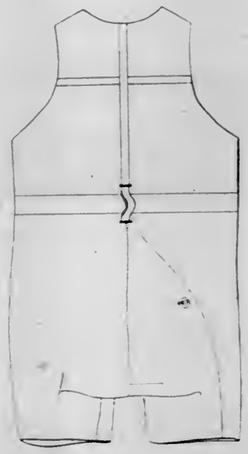
Particular description of goods.—Eggs, Butter, Cheese, Potatoes, Onions, Green Vegetables, Fresh Citrous Fruits and Deciduous Fruit, and Dried Fruit.
Claims use since 1912.

Ser. No. 194,668. (CLASS 39. CLOTHING.) I. T. S. RUBBER COMPANY LTD., London, England. Filed Mar. 29, 1924.

CONCAVEX

Particular description of goods.—Heels, Tips, Soles, and Pads for Boots and Shoes, All Made of India Rubber.
Claims use since Jan. 2, 1924.

Ser. No. 194,705. (CLASS 39. CLOTHING.) GOODENOW TEXTILES COMPANY, Kansas City, Mo. Filed Mar. 31, 1924.



No claim is made to the representation of the goods in the drawing apart from the trade-mark as shown thereon. The mark consists of zigzag lines of blue threading stitched above and below and parallel to the waistband on the front vertical reenforcement of the garment.
Particular description of goods.—Textile-Fabric Underwear.
Claims use since about Oct. 1, 1921.

Ser. No. 194,714. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KILBOURNE & CLARK MFG. CO., Seattle, Wash. Filed Mar. 31, 1924.

K.&C.

Trade-mark consists of the letters and symbol "K & C."
Particular description of goods.—Radio Apparatus and Supplies, Particularly Receiving Sets, Both of the Type Employing Crystal Detectors and of the Type Employing Vacuum Tubes, Transmitting Sets: Parts and Supplies for Radio Sets—Namely, Panels, Condensers, Fixed, Variable, and Vernier, Transformers, Both Audio and Radio Frequency, Variometers, Variocouplers, Tuning Sets Consisting of Variometers and Variocouplers Connected, Vacuum-Tube Sockets, Gang Sockets, Socket Brackets, Adapters, Rheostats, Resistance Units, Switches, Jacks, Plugs, Head Sets, Loud Speakers, Potentiometers, Wave Traps: Crystal Detectors and Parts—Namely, Crystal Cups, Detector Rods, Rod Supports, Cat's Whiskers: Binding Posts, Choke Coils, Motor-Generator Sets, Inductances, Transmitting Keys, Detector Units, Amplifier Units, Coils, Brackets, Pointers, Bezels, Contacts, Stop Pins, Tubing, Spider-Web Coil Forms, Antenna Wires, Knob Extension Handles, Horns, Dials, Insulators, and Strain Insulators; C. W. Apparatus—Namely, Transformers, Power Rheostats, Antenna Switches, Choke Coils, Transmitter Panels, Transmitting-Tube Sockets, Inductances, Transmitting Keys.
Claims use since Apr. 1, 1922.

Ser. No. 194,756. (CLASS 39. CLOTHING.) TEMKO-BASS SHOE CO., INC., New York, N. Y. Filed Mar. 31, 1924.

WINNIE WINKLE

Particular description of goods.—Shoes of Leather and Fabric and Combinations of Leather and Fabric.
Claims use since June, 1922.

Ser. No. 194,878. (CLASS 39. CLOTHING.) OLD BOND STREET OUTFITTERS, LTD., Atlantic City, N. J. Filed Apr. 2, 1924.

Old Bond Street

Particular description of goods.—Topcoats, Sport Suits, Leather Gloves, Hand-Knitted Sweaters, Neckties, Bathing Suits, Hats, Caps, and Hosiery.
Claims use since Feb. 1, 1924.

Ser. No. 194,907. (CLASS 39. CLOTHING.) CAMMEYER, New York, N. Y. Filed Apr. 3, 1924.

TROTTERS

Particular description of goods.—Boots, Shoes, and Slippers of Leather, Rubber, Fabric, and Combinations of the Same.
Claims use since Oct. 10, 1887.

Ser. No. 194,917. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL RADIO COMPANY, Cambridge, Mass. Filed Apr. 3, 1924.

GENERAL RADIO GR COMPANY

Particular description of goods.—Standards of Resistance, Inductance, and Capitance for Measuring Purposes, Decade Bridges, Slide-Wire Bridges, Capacity Bridges and Meters, Hot-Wire Meters, Wave Meters, Audibility Meters, Special Measuring Instruments for Making Measurements at Audio and Radio Frequencies, Electrical Compensators for Submarine Detection and Depth Sound Ranging, and D'Arsoval Meters.
Claims use since October, 1921.

Ser. No. 194,960. (CLASS 2. RECEPTACLES.) ORLEY CLAYTON TUTTLE, Old Forge, N. Y. Filed Apr. 3, 1924.

O.C.TUTTLE QUALITY OR-LO HONESTY OLD FORGE, N.Y.

No claim is made for "Quality," "Honesty," and "Old Forge, N. Y." apart from the mark shown on the drawing.
Particular description of goods.—Carrying Straps for Creels and Pack-Basket Harness.
Claims use since Mar. 1, 1924.

Ser. No. 195,010. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONROE S. PECK, doing business as Life Chemistry Institute, Erie, Pa. Filed Apr. 4, 1924.

LIME-O-LENE

Trade-mark "Lime-O-Lene."
Particular description of goods.—Compressed Tablet Used as a Preventive of and Treatment for Pyorrhea.
Claims use since on or about Feb. 1, 1924.

Ser. No. 195,073. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO PANEL & PARTS CORP., New York, N. Y. Filed Apr. 5, 1924.

INSULINE

The representation of an insulator is hereby disclaimed apart from the mark shown.
Particular description of goods.—Parts Used Particularly in Radiowork—Namely, Panels, Insulators, Dials, Sockets, Condensers, Rheostats, Potentiometers, Variocouplers, Binding Posts, Ear Phones, Insulated Wire, Tubing, Variometers.
Claims use since Aug. 12, 1923.

Ser. No. 195,103. (CLASS 37. PAPER AND STATIONERY.) HARRY N. GOLDSMITH, Philadelphia, Pa. Filed Apr. 7, 1924.

PULWON

Particular description of goods.—Paper Napkins, Paper Towels, Paper Wrappers for Delicatessen Lunches, and Toilet Paper.
Claims use since February, 1923.

Ser. No. 195,333. (CLASS 2. RECEPTACLES.) THE CELMIA COMPANY, Toledo, Ohio. Filed Apr. 11, 1924.

Loospact

Particular description of goods.—Powder Cases or Containers.
Claims use since February, 1923.

Ser. No. 195,548. (CLASS 39. CLOTHING.) THE STONE SHOE COMPANY, Cleveland, Ohio. Filed Apr. 14, 1924.

$tone's Six $6

No claim is made to the mark "$6" per se.
Particular description of goods.—Leather Shoes.
Claims use since Mar. 11, 1924.

Ser. No. 195,668. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES W. WOOD, doing business as The Fallkill Products Co., Poughkeepsie, N. Y. Filed Apr. 16, 1924.

Vitafied

Particular description of goods.—Quinine and Aspirin.
Claims use since about Feb. 1, 1922.

Ser. No. 195,671. (CLASS 15. OILS AND GREASES.) THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed April 17, 1924.

ATLANTIC MOTOR OIL



Exclusive use of the words "Motor Oil" is disclaimed.
Particular description of goods.—Lubricating Oils, Motor Oils, and Oils for Preventing Shattering in Brake Mechanisms on Automobiles and Ford Cars.
Claims use since on or about Mar. 28, 1924.

Ser. No. 195,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSICAL CULTURE PUBLISHING CORP., New York, N. Y. Filed Apr. 17, 1924.

Physical Culture

Particular description of goods.—Hair Vitalizer or Hair Tonic.
Claims use since Mar. 10, 1924.

Ser. No. 195,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWESTERN FISHERIES COMPANY, Chicago, Ill. Filed Apr. 19, 1924.



The picture shown in the drawing is fanciful.
Particular description of goods.—Canned Salmon.
Claims use since 1902.

Ser. No. 195,993. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRED W. STEIN, Atchison, Kans. Filed Apr. 22, 1924.

STEINITE

Particular description of goods.—Radio Crystal Rectifiers.
Claims use since Dec. 1, 1923.

Ser. No. 196,147. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREWS RADIO COMPANY, Chicago, Ill. Filed Apr. 26, 1924.

DERESNAFORMER

Particular description of goods.—Radiotransformers.
Claims use since Mar. 1, 1924.

Ser. No. 196,165. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE G. H. HAMMOND COMPANY, Chicago, Ill. Filed Apr. 26, 1924.

Calumet



Particular description of goods.—Hams, Shoulders, Sausage, and Frankfurt-Style Sausage.
Claims use since Sept. 29, 1913.

Ser. No. 196,322. (CLASS 37. PAPER AND STATIONERY.) THE TUTTLE PRESS COMPANY, Appleton, Wis. Filed Apr. 29, 1924.

KRINKLE KREPE

The word "Krepe" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Crêpe Paper.
Claims use since Apr. 1, 1924.

Ser. No. 196,363. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BAYER, PRETZFELDER & MILLS, INC., New York, N. Y. Filed May 1, 1924.

ELAINE

Particular description of goods. Watches
Claims use since about October, 1915.

Ser. No. 196,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KATHERINE MCCLELLAN, Decatur, Ill. Filed May 1, 1924.



No claim is made to the words "Trade-mark," "49c," nor "All You Can Eat for 49¢."
Particular description of goods.—Foods Comprising Fresh Meats—Namely, Beef, Pork, Veal, and Mutton; and Salt Meats—Namely, Dried Beef, Ham, Bacon, and Sausage; and Fresh Vegetables—Namely, Onions, Carrots, Beets, Lettuce, Celery, Radishes and Cucumbers; and Canned Vegetables—Namely, Beets, Beans, Asparagus, Cauliflower, Peas, Corn; and Fresh Fruit—Namely, Apples, Oranges, Bananas, Peaches, Pears, and Pineapples; and Canned Fruits—Namely, Peaches, Pears, Pineapples, Quinces, and Cherries; and Also Coffee, Tea, Sugar, Spices, Bread, Cakes, and Pastries.
Claims use since Mar. 19, 1922.

Ser. No. 196,424. (CLASS 39. CLOTHING.) HARRY BARNOWITZ, doing business as Honeymoon Specialty Co., Brooklyn, N. Y. Filed May 2, 1924.

HONEYMOON

Particular description of goods.—Garters, Supporters, Suspenders, and Ribbon and Webbing Wristbands.
Claims use since November, 1923.

Ser. No. 196,606. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORRIS, MANN & REILLY, INC., Chicago, Ill. Filed May 5, 1924.

La Tres-ure Perles

The word "Perles" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Necklaces.
Claims use since Jan. 16, 1924.

Ser. No. 196,647. (CLASS 39. CLOTHING.) S. COHN CO., New York, N. Y. Filed May 6, 1924.



The portrait upon the trade-mark is fanciful.
Particular description of goods.—Ladies' Hat Linings.
Claims use since May 1, 1924.

Ser. No. 196,648. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Filed May 6, 1924.

SHUR-WHITE

Particular description of goods.—Mixed Paints.
Claims use since about April 14, 1924.

Ser. No. 196,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VINCENT JAMES SQUILLANTE, doing business as James Squillante, New York, N. Y. Filed May 6, 1924.

SQUILLANTE



Trade-mark consists of the word "Squillante" and the representation of a bugler on horseback.
Particular description of goods.—Olive Oil.
Claims use since Feb. 9, 1924.

Ser. No. 196,808. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK J. BAUM, Los Angeles, Calif. Filed May 12, 1924.

OZ TOYS Z AND DOLLS

No claim is made to the words "Toys" and "Dolls" apart from the mark shown on the drawing.
Particular description of goods.—Toy Animals, Figure Toys, Character Dolls, Fancy Dolls, and Clown Dolls.
Claims use since May 5, 1924.

Ser. No. 196,970. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed May 13, 1924.



Particular description of goods.—Radio Receiving Sets Consisting of Cabinet and Contents.
Claims use since Mar. 18, 1924.

Ser. No. 197,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH SHELY, doing business as Gisele Laboratories, Los Angeles, Calif. Filed May 14, 1924.

GISELE

Particular description of goods.—Face Cream, Wrinkle Eradicator, Cream, Skin Lotion, Egg-Shampoo Paste, Rouge Paste, and Blackhead Powder.
Claims use since July 1, 1923.

Ser. No. 197,199. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GLOBE ELECTRIC CO., Milwaukee, Wis. Filed May 17, 1924.

DUODYNE

Particular description of goods.—Radio Sets.
Claims use since Apr. 12, 1924.

Ser. No. 197,209. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM G. MITCHELL, doing business as R. Mitchell Company, Boston, Mass. Filed May 17, 1924.

SE-AR-DE

Particular description of goods.—Radio Circuit Switches, Telephone Caps or Acoustic Connecters for Telephone Receivers, Binding Posts, Variometers, Variocouplers, Grid Leaks, Inductance Coils for Use in Connection with Radio Apparatus, and Electrical Condensers.
Claims use since Mar. 6, 1922.

Ser. No. 197,329. (CLASS 39. CLOTHING.) GLASER SHOE COMPANY, San Francisco, Calif. Filed May 20, 1924.



STURDY STRIDE

Particular description of goods.—Infants' and Children's Shoes of Leather, Canvas, Rubber, and Combinations Thereof.
Claims use since January, 1921.

Ser. No. 197,340. (CLASS 37. PAPER AND STATIONERY.) PANGBORN CORPORATION, Hagerstown, Md. Filed May 20, 1924.

JIFFYSTENCIL

No claim is made to the right to the exclusive use of the word "Stencil" apart from the mark as shown on the drawing.
Particular description of goods.—Glue Paper Which Is Used in the Monument Trade to Cover the Face of Marble in Lettering and Design Work by the Sand-Blast Process.
Claims use since May 5, 1924.

Ser. No. 197,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed May 20, 1924.

EYTAL

Particular description of goods.—Eye Bath.
Claims use since Apr. 15, 1924.

Ser. No. 197,383. (CLASS 39. CLOTHING.) MANDEL & COHEN, doing business as Manco Mills, New York, N. Y. Filed May 21, 1924.

Pineapple Stitch

Particular description of goods.—Hosiery.
Claims use since January, 1924.

Ser. No. 197,387. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD L. MITTELSTAEDT, doing business as Mocq, Burnier & Cie., Inc., New York, N. Y. Filed May 21, 1924.

PERF

Particular description of goods.—Lip Rouge, Eyebrow Pencils, Sachet, Face Powder, Cold Cream, Vanishing Cream, Lemon Cream, Astringent Cream, Hair Tonic, Face Lotion, Tooth Paste, and Mouth Wash.
Claims use since Dec. 1, 1921.

Ser. No. 197,457. (CLASS 39. CLOTHING.) THE STANLEY DUTTENHOFER SHOE COMPANY, Cincinnati, Ohio. Filed May 22, 1924.



The color lining shown in the drawing is for shading purposes only.
Particular description of goods.—Ladies' Fine Shoes Consisting of Boots, Slippers, Low Cuts, and Shoes.
Claims use since Jan. 30, 1924.

Ser. No. 197,527. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASIA COMPANY, Los Angeles, Calif. Filed May 24, 1924.

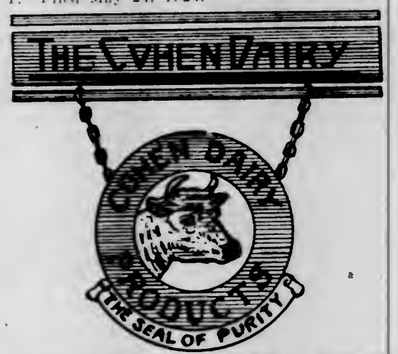


Trade-mark is printed in red color. An English translation of the Chinese characters shown in the mark is "Maru Ume," signifying "Maru"—"Circle" and "Ume"—"Plum."

Particular description of goods.—Dry Seaweed and Sea Moss.

Claims use since Jan. 1, 1924.

Ser. No. 197,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COHEN DAIRY CO., New York, N. Y. Filed May 24, 1924.



The lining of drawing is intended to represent the color blue. Applicant disclaims the descriptive word "Products" apart from the mark as shown in the drawing.

Particular description of goods.—Milk, Condensed Milk, Cream, Cheese, Butter, Buttermilk, and Eggs.

Claims use since about Feb. 7, 1922.

Ser. No. 197,535. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE GAERTNER SCIENTIFIC CORPORATION, Chicago, Ill. Filed May 24, 1924.



Particular description of goods.—Measuring Telescopes, Micrometer Slides and Attachments, Microscope Supports, Spherometers, Test Planes for Use with Spherometers, Micrometer Screws, Levels and Level Testers, Laboratory Telescopes, Telescope Supports, Mounted Reading Telescopes, Elevating Stands, Measuring Scales, Optical Levers, Cathetometers, Standard Meters and Scales, Supports for Standard Meter Scales, Comparators, Dividing Machines, Spectrometers, Spectroscopes, Wave-Length Spectroscopes, Quartz Spectrographs, Interference Apparatus, Polariscopes, Photometers, Optical Benches, Light Sources, Heliostats.

Claims use since Apr. 10, 1900.

Ser. No. 197,537. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOLDEN-LEUTZ INC., New York, N. Y. Filed May 24, 1924.



Particular description of goods.—Radio Receiving Sets.

Claims use since Mar. 21, 1924.

Ser. No. 197,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD R. HICKEY, doing business as Dynamo-Electric Works, Los Angeles, Calif. Filed May 26, 1924.

DYNEW

Particular description of goods.—Armatures, Magnet Chargers, Commutators, Motors, Generators, Field Coils, Solenoids, Transformers, Electrically-Operated Winding Machines, Radio Sets and Equipment, Electrically-Operated Undercutting Machines, Electric Signs, and Electric Cut-Out Switches.

Claims use since May 3, 1924.

Ser. No. 197,613. (CLASS 39. CLOTHING.) THE H. W. MERRIAM SHOE COMPANY, Newton, N. J. Filed May 26, 1924.

RABBIT TRED

Particular description of goods.—Children's Shoes of Leather, Fabric, and Rubber and Combinations Thereof.

Claims use since Apr. 1, 1924.

Ser. No. 197,620. (CLASS 39. CLOTHING.) JULIUS ROTHBALM, New York, N. Y. Filed May 26, 1924.

BAY-MINK

The word "Mink" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Fur Collars, Fur Cuffs, Fur Trimmings, and Ladies' Fur Coats.

Claims use since Dec. 10, 1923.

Ser. No. 197,621. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUMFORD CHEMICAL WORKS, Providence, R. I. Filed May 26, 1924.

TEX

The drawing is lined for red.

Particular description of goods.—Dough Assistant Consisting of an Edible Product Designed to Improve the Quantity of Leavened Bread by Increasing Its Lightness and Fineness of Texture.

Claims use since about May 7, 1924.

Ser. No. 197,640. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

Trilock

Particular description of goods. Chains.

Claim use since November, 1923.

Ser. No. 197,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LILLIAN M. BEST, Iron Mountain, Mich. Filed May 28, 1924.

BEST'S



The portrait shown is that of applicant.

Particular description of goods.—Preparation for the Treatment of Diphtheria, Tonsilitis, and Sore Throat.

Claims use since Apr. 9, 1924.

Ser. No. 197,721. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS CO., INC., New York, N. Y. Filed May 28, 1924.

DERAYCO

Particular description of goods.—Ready-Mixed Paint.

Claims use since September, 1919.

Ser. No. 197,736. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GOODMAN AUTOMATIC WATER HEATER CO., INC., Brooklyn, N. Y. Filed May 28, 1924.

THERMO ANQUE

Particular description of goods. Automatic Water Heater.

Claims use since May 13, 1924.

Ser. No. 197,886. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. LOFFLER PROVISION COMPANY, INC., Benning, D. C. Filed May 31, 1924.

HILL CREST

Particular description of goods.—Hams, Bacons, Sausage of All Kinds, Pork Puddings, Sausage Made Under a Specific Formula and Known as Brownschweiger, Shoulders, Dried Beef, Scrapple, and Souse.

Claims use since Mar. 12, 1924.

Ser. No. 197,898. (CLASS 37. PAPER AND STATIONERY.) NORTHERN PAPER MILLS, Green Bay, Wis. Filed May 31, 1924.

UNISERV

Particular description of goods. Toilet Paper.

Claims use since Mar. 1, 1924.

Ser. No. 197,903. (CLASS 39. CLOTHING.) PORTIS BROS. HAT CO., Chicago, Ill. Filed May 31, 1924.



No claim is made to the use of the word "Cap" separate and apart from the mark shown.

Particular description of goods.—Caps for Men and Boys.

Claims use since Feb. 1, 1924.

Ser. No. 197,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed June 2, 1924.

MAH-JONGG

Particular description of goods.—Spices, Food-Flavoring Extracts, Prepared Mustard, and Peanut Butter.

Claims use since Dec. 18, 1923.

Ser. No. 197,940. (CLASS 39. CLOTHING.) IRISH LINEN SILK COMPANY, assignor to Abraham A. Schuman, Cincinnati, Ohio. Filed June 2, 1924.



No claim is made to the words "Irish Linen-Silk" except in the form and association shown in the drawing.

Particular description of goods.—Clothing — Namely, Hosiery, Socks, Underwear of Knitted and Textile Fabrics, Pyjamas; Shirts, Dress or Negligee; and Sweaters for Men, Young Men, Boys, Girls, Young Women, and Women.

Claims use since May 10, 1924.

Ser. No. 197,942. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed June 2, 1924.

HILUNDALE

Particular description of goods.—Pigment Paste for Use as a Stippling Coat.

Claims use since Mar. 1, 1924.

Ser. No. 197,948. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed June 2, 1924.



No claim is made to the word "Shoe" apart from the mark as shown.

Particular description of goods.—Children's and Boys' and Girls' Shoes of Leather, Rubber, Fabric, and Combinations

Claims use since May 20, 1924.

Ser. No. 197,960. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MAURICE ROTHSTEIN, Johnstown, Pa. Filed June 2, 1924.

Notre Dame

Particular description of goods.—Rosaries Made of Silver, Gold, Silver-Plated, Gold-Plated, and Colored Beads Connected by Silver, Gold, Gold-Filled, Gold and Silver Plated Chains.

Claims use since Apr. 15, 1924.

Ser. No. 198,001. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FISHER-SMITH MFG. CO., INC., New York, N. Y. Filed June 3, 1924.

FIBEROID

Particular description of goods.—Ready-Mixed Paints.

Claims use since Apr. 1, 1924.

Ser. No. 198,105. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREWS RADIO COMPANY, Chicago, Ill. Filed June 5, 1924.

RESNAFORMER

Particular description of goods.—Radiotransformers.

Claims use since Mar. 1, 1924.

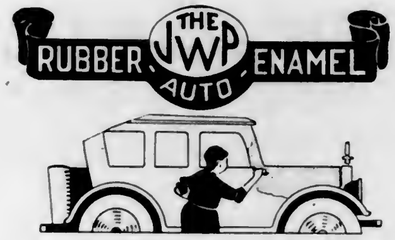
Ser. No. 198,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT P. FIELD, New York, N. Y. Filed June 7, 1924.

ROTOLAX

Particular description of goods.—Laxative Medicine.

Claims use since Mar. 5, 1924.

Ser. No. 198,324. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH W. PEARSON, doing business as The J. W. Pearson Paint & Varnish Company, Los Angeles, Calif. Filed June 9, 1924.



No claim made to the words "Rubber Auto Enamel" apart from the mark as shown.

Particular description of goods.—Ready-Mixed Paints and Paint Enamels.

Claims use since Mar. 30, 1923.

Ser. No. 198,330. (CLASS 39. CLOTHING.) SOBEL BROS., New York, N. Y. Filed June 9, 1924.



Particular description of goods.—Shoes Made of Leather, Fabric, or Combinations of Leather and Fabric.

Claims use since March, 1924.

Ser. No. 198,331. (CLASS 39. CLOTHING.) SOBEL BROS., New York, N. Y. Filed June 9, 1924.



Particular description of goods.—Shoes Made of Leather, Fabric, or a Combination of Leather and Fabric.

Claims use since July, 1921.

Ser. No. 198,395. (CLASS 39. CLOTHING.) BLUM & KOCH, INC., New York, N. Y. Filed June 11, 1924.

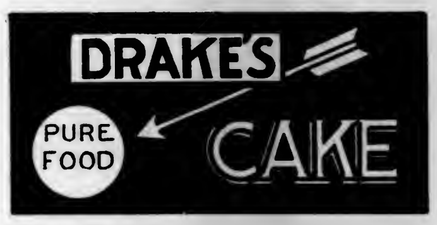


Without waiving any common-law rights and for the purpose of this registration only applicant hereby disclaims the exclusive right to the words "Will Not Break" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Straw Hats.

Claims use since about May 1, 1924.

Ser. No. 198,403. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRAKE BROTHERS CO., Brooklyn, N. Y. Filed June 11, 1924.



No claim is made to the words "Cake" and "Pure Food" apart from the mark shown on the drawing.

Particular description of goods.—Cake and Macaroons.

Claims use since October, 1910.

Ser. No. 198,438. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YORK LABORATORIES CO., INC., York, Pa. Filed June 11, 1924.

NSK

Particular description of goods.—Germicidal Tablets, Healing Ointment, Vaginal and Rectal Suppositories.

Claims use since Apr. 1, 1922.

Ser. No. 198,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSHAK MALTMOLAK CO. INC., Brooklyn, N. Y. Filed June 12, 1924.



Without waiver of any common-law rights no claim is made to the exclusive use of the word "Kosher" apart from the mark shown on the drawing. The foreign word on the mark is the word "Kosher," a Hebrew word meaning food that meets the requirements imposed by the Hebrew regulations or law.

Particular description of goods.—Food Product Consisting of Sugar Combined with Dry Skim Milk, Dry Whole Milk, Cocoa, and Malt.

Claims use since about May 10, 1924.

Ser. No. 198,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed June 13, 1924.

Gold-flame

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.

Claims use since May 14, 1924.

Ser. No. 198,507. (CLASS 39. CLOTHING.) KATHLEEN A. COURTNEY, Fairmont, W. Va. Filed June 13, 1924.



Particular description of goods.—Ladies' Bonnets, Hats, Caps, and Hat Frames, Fabric Gloves, Hosiery, Coats, Outer Skirts, Dresses, and One, Two, and Three Piece Textile Fabric Underwear for Women and Children, Corsets, and Corset Waists.

Claims use since Jan. 1, 1923.

Ser. No. 198,513. (CLASS 39. CLOTHING.) FISCHER-JELENKO INC., New York, N. Y. Filed June 13, 1924.

REX ROBE

No claim is made to the use of the word "Robe" apart from the mark as shown.

Particular description of goods. Lounging Gowns, Bath Robes, and Bench Capes.

Claims use since about May, 1923.

Ser. No. 198,534. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIAGARA FALLS MILLING COMPANY, Buffalo, N. Y. Filed June 13, 1924.

MAID of HONOR



Particular description of goods.—Wheat Flour.

Claims use since Feb. 1, 1921.

Ser. No. 198,545. (CLASS 39. CLOTHING.) TROTTEUR HAT CO., New York, N. Y. Filed June 13, 1924.

TROTTEUR

Particular description of goods.—Women's Sport Wear, Particularly Hats, Coats, Jackets, Jumpers, Sweaters, Vests, and Outer Skirts.

Claims use since March, 1914.

Ser. No. 198,547. (CLASS 39. CLOTHING.) U PROFIT CAP MANUFACTURING CO. INC., New York, N. Y. Filed June 13, 1924.

U-profit

Particular description of goods. Caps and Hats for Men, Women, and Children

Claims use since April, 1921.

Ser. No. 198,552. (CLASS 39. CLOTHING.) ABE N. ADELSON, New York, N. Y. Filed June 14, 1924.

Marcine

Particular description of goods.—Hats for Women.

Claims use since Apr. 8, 1924.

Ser. No. 198,593. (CLASS 39. CLOTHING.) THE STETSON SHOP, Pittsburgh, Pa. Filed June 14, 1924.

POISE-TREAD

Applicant, without waiving any common-law right, hereby disclaims the exclusive right to the representation of a sole of a shoe apart from the mark shown.

Particular description of goods.—Leather Shoes and Boots.

Claims use since Dec. 15, 1923.

Ser. No. 198,614. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CALIFORNIA OPTICAL CO., San Francisco, Calif. Filed June 16, 1924.

VERTISCOPIC

Particular description of goods.—Ophthalmic Lenses Used as Eyeglasses.

Claims use since May 1, 1924.

Ser. No. 198,636. (CLASS 2. RECEPTACLES.) THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn. Filed June 17, 1924.

JUMBO JUG

Applicant disclaims the word "Jug" apart from the mark shown without, however, waiving any common-law rights to this feature of the mark.

Particular description of goods.—Thermos Bottles.

Claims use since about Apr. 28, 1924.

Ser. No. 198,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAM J. HENDERSON, Winston-Salem, N. C. Filed June 18, 1924.

CAMPHORATED
MUSTOLATUM

Particular description of goods.—External Compound for the Treatment of Rheumatic Pains, Headache, Toothache, Sciatica, Lumbago, Sprains, Neuralgia, Sore Feet, Stiff Neck, Sore Throat, Head and Chest Colds, Croup, Pneumonia, and Local Pains.

Claims use since Jan. 14, 1923.

Ser. No. 198,747. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ILEX OPTICAL COMPANY, Rochester, N. Y. Filed June 18, 1924.

PARAGON

Particular description of goods.—Photographic Lenses and Photographic-Lens Mountings.

Claims use since July, 1922.

Ser. No. 198,753. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY MASCOLA, doing business as Greater New York Barber Supply, Brooklyn, N. Y. Filed June 18, 1924.



No claim is made to the words "Brooklyn, N. Y." except in conjunction with the other elements of the trade-mark.

Particular description of goods. Hair Tonic, Face Lotions, and Toilet Waters.

Claims use since June 1, 1923.

Ser. No. 198,760. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BESSIE S. POWELL, doing business as Beth Tantum, Los Angeles, Calif. Filed June 18, 1924.



The trade-mark consists of a fanciful spray of small ball-like forms interspersed with leaf foliage and a ribbon by which the mark is tied to the goods.

Particular description of goods.—Marmalade, Candy, Fruits, Jellies and Jams, Figs, Ginger, Baskets of Assorted Foods, Fruits, and Confections. The Fruit is Fresh Fruit, Oranges, Apples, Grapes, Bananas, Pears, and Alligator Pears. The Food and Confections Mentioned are Orange Jelly, Apricot Jelly, Satsuma Plum Jelly, Loquat Jelly, Guava Jelly, Apricot Jam, Fig Jam, Baked Figs, Prunes, and Orange and Grapefruit Marmalades, and Hard Candies, Chocolates, Bonbons, Cakes, Fruit Cakes, Sugared Ginger, Sugared Kumquats, Dates, Raisins, Almonds, and English Walnuts.

Claims use since on or about Nov. 1, 1921.

Ser. No. 198,776. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANTHRACITE FUEL CORPORATION, Baltimore, Md. Filed June 19, 1924.

COLEX

Particular description of goods.—Coal.
Claims use since Apr. 24, 1924.

Ser. No. 198,777. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANTHRACITE FUEL CORPORATION, Baltimore, Md. Filed June 19, 1924.

COLEX
ANTHRACITE FUEL CORP.
The Perfected Home Fuel

No claim is made to the words "Super Heat" and "The Perfected Home Fuel."
Particular description of goods.—Coal.
Claims use since Apr. 24, 1924.

Ser. No. 198,801. (CLASS 5. ADHESIVES.) HOME PATCH-RITE DISTRIBUTING CO., McKeesport, Pa. Filed June 19, 1924.

HOME
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E

HOLDS-TITE

No claim is made to the exclusive use of the words "Holds-Tite" apart from the mark shown in the drawing.
Particular description of goods.—Fluid for Patching Hosiery and All Fabrics.
Claims use since Sept. 1, 1922.

Ser. No. 198,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORIGINAL MONK MALT CO. NOT INC., Chicago, Ill. Filed June 20, 1924.

MONK'S MALT EXTRACT



No claim is made to the use of the words "Malt Extract" except in association with the mark shown on the drawing.
Particular description of goods.—Malt Extract for Food Purposes.
Claims use since Sept. 1, 1918.

Ser. No. 198,885. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROCKHILL COAL AND IRON COMPANY, Robertsdale and Philadelphia, Pa. Filed June 20, 1924. Under ten-year proviso.

"ROCKHILL"

Particular description of goods.—Bituminous Coal.
Claims use since May, 1890.

Ser. No. 198,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE CORWIN, New York, N. Y. Filed June 21, 1924.

BTM
BETTER THAN MAPLE



No claim is made and the applicant hereby specifically disclaims any right in and to the words "Better Than Maple" apart from the mark shown in the drawing.
Particular description of goods.—Artificial Maple Flavoring for Foods.
Claims use since Feb. 1, 1924.

Ser. No. 198,993. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y. Filed June 23, 1924.

PHONO-UNIT

Applicant disclaims any exclusive right to the word "Unit" apart from the mark shown on the drawing.
Particular description of Goods.—Attachment for Utilizing Phonographs as Radio Loud Speakers.
Claims use since Feb. 1, 1923.

Ser. No. 198,994. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y. Filed June 23, 1924.

DICTO-SWITCH-BLOCK

Applicant disclaims any exclusive right to the words "Switch Block" apart from the mark as shown in the drawing.
Particular description of goods.—Radio Switch Blocks.
Claims use since Sept. 1, 1923.

Ser. No. 199,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRIGHTSON LABORATORIES, INC., Newark, N. J. Filed June 24, 1924.

True Blue

Particular description of goods.—Tubes to Serve as Detectors, Amplifiers, and Rectifiers.
Claims use since June 19, 1924.

Ser. No. 199,046. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DIAMOND BRAIDING MILLS, Chicago Heights, Ill. Filed June 24, 1924.

DIAMOND
QUALITY

The descriptive word "Quality" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Rubber-Covered Wire.
Claims use since Sept. 15, 1923.

Ser. No. 199,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y. Filed June 24, 1924.

NEWZECO

Particular description of goods.—Butter and Cheese.
Claims use since June 5, 1924.

Ser. No. 199,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y. Filed June 24, 1924.

ANKORIA

Particular description of goods.—Butter and Cheese.
Claims use since June 5, 1924.

Ser. No. 199,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOVELL & CHRISTMAS, (U. S. A.) LIMITED, New York, N. Y. Filed June 24, 1924.

ENZED

Particular description of goods.—Butter and Cheese.
Claims use since June 5, 1924.

Ser. No. 199,124. (CLASS 12. CONSTRUCTION MATERIALS.) FRANKLYN R. MULLER, INC., Waukegan, Ill. Filed June 25, 1924.

MULLER
ASBESTONE

Particular description of goods.—Stucco Composition Flooring, Magnesia Flooring, Interior Magnesia, Interior Plaster of All Kinds, Exterior Plaster of All Kinds, Composition Shingles, Tile and Composition Roofing.
Claims use since 1906.

Ser. No. 199,135. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed June 25, 1924.

STUFTOYS

Particular description of goods.—Stuffed Playthings in the Form of Dolls, Animals, and the Like, and Stamped, Tinted, and Otherwise Prepared Foundation Materials Known as Cut-Outs, with and without Outfits for Finishing the Same and Other Supplies for Making the Same.
Claims use since June 5, 1924.

Ser. No. 199,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. H. AZHDERIAN, Turlock, Calif. Filed June 26, 1924.

Three Star

Particular description of goods.—Fresh Cantaloupes.
Claims use since June 1, 1924.

Ser. No. 199,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HANF & RINGLER, INC., New York, N. Y. Filed June 26, 1924.

NYANZA

Particular Description of goods.—Spices, Ground Cayenne, Ground Cloves, Ground Allspice, Ground Nutmeg, Ground Cinnamon, Whole Nutmegs, Whole Cloves, Leaf Thyme, Ground Thyme, Ground Sage, Ground Savory, Ground Marjoram, Poultry Seasoning, Whole Cinnamon, Whole Allspice, Whole Ginger, Pickle Spice, Ground Black Pepper, Ground Ginger, Ground White Pepper, Celery Salt, Curry Powder, Paprika, Whole Black Pepper, Caraway Seed, Celery Seed, Mustard Seed, Extract Lemon, Extract Orange, Extract Vanilla, Extract Almond, Extract Peppermint, Extract Rose.
Claims use since March, 1923.

Ser. No. 199,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID MCMORRAN, Port Huron, Mich. Filed June 26, 1924.

BROZE

Particular description of goods.—Dry Powder Cooked Soup Stock.
Claims use since June 1, 1924.

Ser. No. 199,196. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LAURENCE E. TREADWELL, doing business as Detroit Bale Tie Company, Detroit, Mich. Filed June 26, 1924.

BALE HERCULES TIES

Disclaimer is made to the words "Bale Ties" apart from the mark shown without waiving any common-law rights.
Particular description of goods.—Bale Ties.
Claims use since June 10, 1924.

Ser. No. 199,202. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE AMERICAN JEWELRY CO., New York, N. Y. Filed June 27, 1924.

"El Vencedor"

Particular description of goods.—Collar Buttons, Cuff Buttons, Cuff Links, and Snap Links.
Claims use since about Apr. 22, 1924.

Ser. No. 199,288. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HAROLD W. MUNRO, Providence, R. I. Filed June 28, 1924.

KATNIPS

Particular description of goods.—Dolls, Tennis Balls, Baseballs, Golf Balls, Handballs, Footballs, Soft Playground Balls; Water Balls Made of Rubber, Celluloid, or Other Suitable Material; Card Games, and Parlor Board Games Played With Pieces.
Claims use since June 25, 1924.

Ser. No. 199,319. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PRICE HOLLISTER CO., Rockford, Ill. Filed June 28, 1924.

JUMBO

Trade-mark "Jumbo."
Particular description of goods.—Transmissions for Motor Vehicles.
Claims use since May 1, 1923.

Ser. No. 199,354. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HALEY M-O COMPANY, Indianapolis, Ind. Filed June 30, 1924.

M-O

Particular description of goods.—Pharmaceutical Preparation Consisting of Milk of Magnesia and Mineral Oil.
Claims use since Apr. 15, 1924.

Ser. No. 199,361. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KELLY BROTHERS, New Lexington, Ohio. Filed June 30, 1924.

Red ★ Star

Particular description of goods.—Hair Tonic or Scalp Lotion.
Claims use since June 1, 1923.

Ser. No. 199,396. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ALFRED L. SIMON & COMPANY, New York, N. Y. Filed June 30, 1924.

Aerophanic

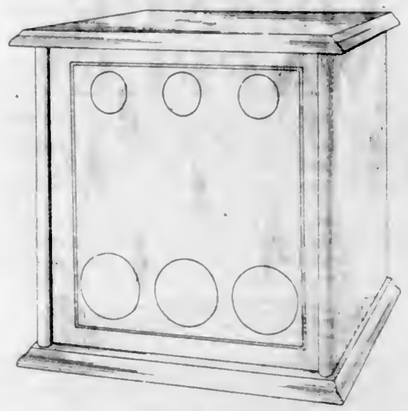
Particular description of goods.—Trimming Feathers.
Claims use since June 1, 1924.

Ser. No. 199,408. (CLASS 45. BEVERAGES, NONALCOHOLIC.) UTT JUICE COMPANY, Tustin, Calif. Filed June 30, 1924.

QUEEN ISABELLA

Particular description of goods.—Fruit Juices—Namely, Grape Juice.
Claims use since Jan. 1, 1924.

Ser. No. 199,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACK JOSIAS, doing business as Hojos Company, New York, N. Y. Filed July 2, 1924.



Particular description of goods.—Compact, Refills, Rouge, and Poudre.
Claims use since Apr. 15, 1924.

Ser. No. 199,482. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MILLER REESE HUTCHISON, New York, N. Y. Filed July 2, 1924.

MUF-LA-FONE

"Muf-La-Fone."
Particular description of goods.—Silencing Device to Go Over Telephone Mouthpieces.
Claims use since Apr. 2, 1924.

Ser. No. 199,483. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MILLER REESE HUTCHISON, New York, N. Y. Filed July 2, 1924.

STETH-O-FONE

"Steth-O-Fone."
Particular description of goods.—Device for Attaching to Telephone Receiver, Consisting of Earpieces and Their Connections, Which Does Away with Outside Extraneous Noises.
Claims use since Apr. 2, 1924.

Ser. No. 199,507. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed July 2, 1924.



The representation of the windshield cleaner appearing on the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Windshield Cleaners of the Squeegee or Mechanical Type.
Claims use since January, 1924.

Ser. No. 199,574. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE REINHARD ELECTRIC MOTOR COMPANY, Cleveland, Ohio. Filed July 3, 1924.



Particular description of goods.—Electric Motors.
Claims use since May 10, 1924.

Ser. No. 199,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 3, 1924.

WOODLAWN

Particular description of goods.—Fresh and Cured Pork and Sausage.
Claims use since Sept. 17, 1906.

"HELEN'S BABIES"

Ser. No. 199,600. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HELEN GORDON BARKER, San Francisco, Calif. Filed July 5, 1924.

Particular description of goods.—Crocheted Costume for Celluloid Dolls.
Claims use since Nov. 15, 1922.

Ser. No. 199,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA SEEDLESS RAISIN COMPANY, Fresno, Calif. Filed July 5, 1924.

SUN RAYED



RAISINS

Particular description of goods.—Dried Raisins.
Claims use since June 1, 1924.

Ser. No. 199,620. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HYDROX CORPORATION, Chicago, Ill. Filed July 5, 1924.



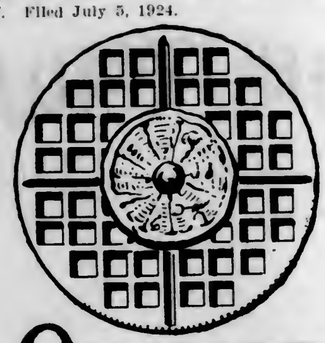
Applicant desires to disclaim the words "Ginger Ale" apart from the mark as shown on the drawing.
Particular description of goods.—Ginger Ale, a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirup Used for Making Same.
Claims use since Apr. 1, 1924.

Ser. No. 199,629. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANCIS L. JUDD, Rye, N. Y. Filed July 5, 1924.

CURKOIDS
THE SUPREME INDUCTANCE

No claim is made to the exclusive use of the word "Inductance" apart from the mark as shown in the drawing.
Particular description of goods.—Induction Coils and Inductance Coupling Devices.
Claims use since October, 1922.

Ser. No. 199,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUSTAV MANN, Los Angeles, Calif. Filed July 5, 1924.



ORANGE WAFFLE

No claim is made to the name "Orange Waffle" apart from the mark as shown on the drawing.
Particular description of goods.—Prepared Flour for Waffles and Pancakes.
Claims use since June 10, 1924.

Ser. No. 199,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. GOOD, doing business as The Hollywood Perfume Co., Los Angeles, Calif. Filed July 7, 1924.

SYMPHONY OF THE PERFUMES

Particular description of goods.—Perfumes, Cosmetics, and Dermatological Products—Namely, Perfume Extracts, Face Creams, Vanishing Creams, Massage Creams, Cold Creams, Sachet Powders, Toilet Waters, Bath Salts, Smelling Salts, Talcum Powders, Face Powders, Tooth Pastes, Tooth Washes, Lip Sticks, Rouges; Bandoline, Liquid and Solid; Astringent Lotion, Cuticle Oils, Perfumed Water Softeners.
Claims use since May 26, 1924.

Ser. No. 199,690. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. GOOD, doing business as The Hollywood Perfume Co., Los Angeles, Calif. Filed July 7, 1924.



Particular description of goods.—Perfumes, Cosmetics, and Dermatological Products—Namely, Perfume Extracts, Face Creams, Toilet Waters, Bath Salts, Smelling Salts, Talcum Powders, Face Powders, Tooth Pastes, Tooth Washes, Lip Sticks, Rouges; Bandoline, Liquid and Solid; Astringent Lotion, Cuticle Oils, Perfumed Water Softeners.
Claims use since May 26, 1924.

Ser. No. 199,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. M. TUTTLE, doing business as R. M. Tuttle Popcorn Company, Spencer, Iowa. Filed July 7, 1924.

FLAKY--BURST

Trade-mark "Flaky-Burst."
Particular description of goods.—Raw Pop Corn.
Claims use since Dec. 1, 1921.

Ser. No. 199,749. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOTHAM WIRELESS, INC., New York, N. Y. Filed July 8, 1924.

ROYAL KNIGHT

Particular description of goods.—Radio Receiving Sets.
Claims use since May 24, 1924.

Ser. No. 199,753. (CLASS 39. CLOTHING.) ISADORE L. LESAVOY, New York, N. Y. Filed July 8, 1924.

BLOSSOM

Particular description of goods.—Bloomers, Pantalets, and Knickers.
Claims use since June 2, 1924.

Ser. No. 199,755. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LUNDT & COMPANY, INC., New York, N. Y. Filed July 8, 1924.

LUNCD

Particular description of goods.—Auto Brushes for Cleaning and Washing Automobiles, Vehicles, Etc.
Claims use since June 1, 1924.

Ser. No. 199,761. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADER APPLIANCE CO. INC., New York, N. Y., and West New York, N. J. Filed July 8, 1924.



No claim is made to the words "Eliminates All Radio Batteries" and "Gets A, B and C Radio Power from Light Socket" apart from the mark shown in the drawing.
Particular description of goods.—Apparatus for Filtering Electric Currents to Eliminate the Variations Which Occur in Machine-Generated Currents to Give Currents of Perfect Smoothness for Electrical Apparatus for Which Currents of this Character are Required.
Claims use since July 3, 1924.

Ser. No. 199,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed July 9, 1924.

VITAMIZED
BRAN

The word "Bran" is disclaimed except in connection with the mark shown.
Particular description of goods.—Bran.
Claims use since Feb. 10, 1923.

Ser. No. 199,796. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed July 9, 1924.

"Rubber-silk"

Particular description of goods.—Water and Air Resisting Fabric Especially Adapted for Figure-Reducing Garments in the Nature of Brassières, Garter Brassières, and the Like.
Claims use since June 20, 1924.

Ser. No. 199,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHLORINE PRODUCTS CO., INC., New York, N. Y. Filed July 10, 1924.

LITHIOL

Trade-mark "Lithiol."
Particular description of goods.—Preparation of Chlorine for Internal Use in Psoriasis and Eczema.
Claims use since May 24, 1922.

Ser. No. 199,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FLOSMOR MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 10, 1924.

Flosmor



Trade-mark "Flosmor" and a fanciful or idealized head of a young woman.

Particular description of goods.—Shampoo Preparation.

Claims use since January, 1924.

Ser. No. 199,841. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOY MACHINE COMPANY, Franklin, Pa. Filed July 10, 1924.



No claim is made to the descriptive words "Mechanical Mine Car Loaders" and geographical term "Pittsburgh, Pa. U. S. A." apart from the mark shown by the drawing. The lining expresses the color red.

Particular description of goods.—Loading Machines.

Claims use since July 7, 1924.

Ser. No. 199,847. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW METROPOLITAN FICTION, INC., New York, N. Y. Filed July 10, 1924.

Heart Throbs

Particular description of goods.—Monthly Magazine.

Claims use since July 3, 1924.

Ser. No. 199,890. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed July 11, 1924.

CATARACT

Particular description of goods.—Writing and Printing Paper.

Claims use since early in 1920.

Ser. No. 199,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH J. KESSLER, doing business as The Blazine Ointment Co., Dubuque, Iowa. Filed July 11, 1924.

"BLAZINE"

Particular description of goods.—Healing Salve.

Claims use since on or about June 1, 1924.

Ser. No. 199,918. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

READYMARK

Particular description of goods.—Crayons.

Claims use since Dec. 31, 1917.

Ser. No. 199,919. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

"WONDERMARK"

Particular description of goods.—Crayons.

Claims use since Dec. 31, 1917.

Ser. No. 199,921. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

"SUPERMARK"

Particular description of goods.—Crayons.

Claims use since Dec. 31, 1917.

Ser. No. 199,922. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

"Giant"

Particular description of goods.—Crayons.

Claims use since Dec. 31, 1917.

Ser. No. 199,923. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

"EAZYMARK"

Particular description of goods.—Crayons.

Claims use since Dec. 31, 1917.

Ser. No. 199,924. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

SUREMARK

Particular description of goods. Crayons.

Claims use since Dec. 31, 1917.

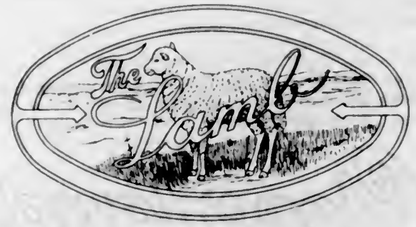
Ser. No. 199,925. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Filed July 12, 1924.

"Long-Tom"

Particular description of goods.—Crayons.

Claims use since Oct. 1, 1923.

Ser. No. 199,945. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) LAMB WASHING MACHINE CO., Chicago, Ill. Filed July 12, 1924.



Particular description of goods.—Washing and Centrifugal Wringing Machines.

Claims use since Feb. 25, 1924.

Ser. No. 199,965. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed July 14, 1924.

VICTORY

Particular description of goods.—Crêpe Paper of Various Colors and Combinations of Colors in Rolls, Folds, and Other Packages.

Claims use since December, 1918.

Ser. No. 199,966. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed July 14, 1924.

VELVET

Particular description of goods.—Crêpe Paper of Various Colors and Combinations of Colors in Rolls, Folds, and Other Packages.

Claims use since December, 1921.

Ser. No. 199,967. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed July 14, 1924.

TEXTILE

Particular description of goods.—Crêpe Paper of Various Colors and Combinations of Colors in Rolls, Folds, and Other Packages.

Claims use since December, 1919.

Ser. No. 199,968. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed July 14, 1924.

Silkene

Particular description of goods.—Crêpe Paper of Various Colors and Combinations of Colors in Rolls, Folds, and Other Packages.

Claims use since December, 1920.

Ser. No. 199,969. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed July 14, 1924.

VELVO

Particular description of goods.—Crêpe Paper of Various Colors and Combinations of Colors in Rolls, Folds, and Other Packages.

Claims use since December, 1915.

Ser. No. 199,990. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y. Filed July 14, 1924.

More Truth Than Poetry

Particular description of goods.—Newspaper Section.

Claims use since Feb. 11, 1914.

Ser. No. 200,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM J. MOORE, doing business as Biltmore Preserving Co., Knoxville, Tenn. Filed July 14, 1924.

BILTMORE

Particular description of goods.—Mayonnaise, Thousand Island Dressing, Russian Dressing, Roquefort Dressing, Melba Sauce, Chili Sauce, Tartar Sauce, and Tomato Catchup.

Claims use since 1922.

Ser. No. 200,005. (CLASS 37. PAPER AND STATIONERY.) NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H. Filed July 14, 1924.



Particular description of goods.—Waxed or Paraffin Paper.
Claims use since about 1917.

Ser. No. 200,006. (CLASS 37. PAPER AND STATIONERY.) NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y. Filed July 14, 1924.

PRYNTX

Particular description of goods.—Printing and Lithographing Paper.
Claims use since July 11, 1924.

Ser. No. 200,007. (CLASS 37. PAPER AND STATIONERY.) NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y. Filed July 14, 1924.

NYPRINT

Particular description of goods.—Printing and Lithographing Paper.
Claims use since July 11, 1924.

Ser. No. 200,024. (CLASS 38. PRINTS AND PUBLICATIONS.) WALGREEN CO., Chicago, Ill. Filed July 14, 1924.

Luster-tone

Particular description of goods.—Photographs.
Claims use since on or about Jan. 2, 1924.

Ser. No. 200,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. AUCLAIR, doing business as Clairs Ointment Company, South Groveland, Mass. Filed July 15, 1924.

VI-OL

Particular description of goods.—Ointment for Piles.
Claims use since September, 1923.

Ser. No. 200,032. (CLASS 37. PAPER AND STATIONERY.) PHILIP H. BIRD, Boston, Mass. Filed July 15, 1924.

Bird's-Eye

Particular description of goods.—Correspondence Paper and Envelopes.
Claims use since July 2, 1924.

Ser. No. 200,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 15, 1924.

Keramink

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since July 8, 1924.

Ser. No. 200,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOANNES BROS. CO., Green Bay, Wis. Filed July 15, 1924.

Cloverland

Particular description of goods.—Tomatoes, Refugee String Beans, Peas, Sweet Corn, Wax Beans, Pears, Peaches, Salmon, All of Which are Canned, and Coffee.
Claims use since June 12, 1924.

Ser. No. 200,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LEWIS DRUG COMPANY, Montgomery, Ala. Filed July 15, 1924.

TUSKEGEE BELLE

Particular description of goods.—Toilet Preparations, Specifically Hairdressing.
Claims use since November, 1921.

Ser. No. 200,056. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOYSES & SONS, INC., New York, N. Y. Filed July 15, 1924.

Suede Downe

Applicant disclaims any exclusive right to the word "Suede" apart from the mark shown on the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 1, 1924.

Ser. No. 200,067. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

OSCURSO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since June 21, 1924.

Ser. No. 200,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

GASCO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since June 21, 1924.

Ser. No. 200,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

ABYSSO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since June 21, 1924.

Ser. No. 200,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

SOLNEGRO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since June 21, 1924.

Ser. No. 200,071. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

TYPO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since Feb. 22, 1924.

Ser. No. 200,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

UNGAS

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since June 21, 1924.

Ser. No. 200,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Filed July 15, 1924.

PERFECTO

Particular description of goods.—Hydrocarbon Black used in the Manufacture of Rubber Tires, Rubber Goods, Phonograph Records, Paints, Varnishes, Enamels, Printing Ink, Stenciling Ink, Drawing Ink, Writing Ink, Stove Polish, Shoe Polish, Lacquers, Carbon Paper, Paper, Buttons, Celluloid, Electrical Insulation, Colors, and in the Coloring and Dyeing of Cloth, Artificial Stone, Cementwork, Fertilizers, Leather Goods, and Cushions.
Claims use since Feb. 22, 1924.

Ser. No. 200,104. (CLASS 38. PRINTS AND PUBLICATIONS.) INECTO, INC., Wilmington, Del., and New York, N. Y. Filed July 16, 1924.

The BEAUTICIAN

Particular description of goods.—House Organ Published Monthly.
Claims use since June 10, 1924.

Ser. No. 200,122. (CLASS 39. CLOTHING.) JOS ROSENBERG & CO., New York, N. Y. Filed July 16, 1924.

Flashunfile

Particular description of goods.—Dresses.
Claims use since June 2, 1924.

Ser. No. 200,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORA BROWER, doing business as Cora's Hair Preparation Company, Denver, Colo. Filed July 17, 1924.

Cora's
SCALP TONIC



The picture shown is fanciful. The words "Scalp Tonic" are not claimed apart from the other features of the mark.
Particular description of goods.—Scalp Tonic.
Claims use since Mar. 1, 1924.

Ser. No. 200,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATAWBA CHEMICAL COMPANY, Fort Mill, S. C. Filed July 17, 1924.

DPR

Particular description of goods.—Medicinal Preparation for the Treatment of Pellagra and Stomach Complaints.
Claims use since May 20, 1924.

Ser. No. 200,135. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed July 17, 1924.

LEICESTER

Trade-mark consists of the word "Leicester."
Particular description of goods.—Woolen Fabrics—Namely, Knitted Fabrics in the Piece.
Claims use since about Mar. 1, 1924.

Ser. No. 200,156. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. C. ROBINSON & SON CO., Baltimore, Md. Filed July 17, 1924.

AUTOGAS

Particular description of goods.—Motor-Fuel Ingredients.
Claims use since May 1, 1924.

Ser. No. 200,249. (CLASS 38. PRINTS AND PUBLICATIONS.) EDITORIAL RESEARCH REPORTS, Washington, D. C. Filed July 19, 1924.

EDITORIAL RESEARCH REPORTS

Particular description of goods.—Weekly Reports for Editorial Writers.
Claims use since Feb. 20, 1905.

Ser. No. 200,251. (CLASS 38. PRINTS AND PUBLICATIONS.) GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass. Filed July 19, 1924.

The Vent

Particular description of goods.—Monthly Periodicals.
Claims use since June, 1917.

Ser. No. 200,301. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSICAL CULTURE PRODUCTS CORPORATION, New York, N. Y. Filed July 15, 1924.

MARVELOX

Particular description of goods.—Hair Shampoo.
Claims use since July 9, 1924.

Ser. No. 200,302. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSICAL CULTURE PRODUCTS CORPORATION, New York, N. Y. Filed July 15, 1924.

GLORILOX

Particular description of goods.—Hair Shampoo.
Claims use since July 9, 1924.

Ser. No. 200,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JANAY MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 21, 1924.

ORYANT

Particular description of goods.—Rouge in Compact and Stick Form.
Claims use since about Mar. 1, 1923.

Ser. No. 200,325. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed July 21, 1924.

MITYSOL

Particular description of goods.—Antiseptics.
Claims use since June 10, 1924.

Ser. No. 200,332. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. SMITH LONG, Portland, Oreg. Filed July 21, 1924.

DI-DL

Particular description of goods.—Mouth Massage for Cleansing the Teeth, Gums, and Inside of the Mouth.
Claims use since June 15, 1924.

Ser. No. 200,333. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed July 21, 1924.



Particular description of goods.—Men's Athletic Underwear.
Claims use since May 1, 1924.

Ser. No. 200,337. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES A. MILNE, doing business as Milne Manufacturing Company, Detroit, Mich. Filed July 21, 1924.

TOAD-HOPPER.

Particular description of goods.—Exercising Devices Comprised of a Spring and Patten to be Attached to the Feet.
Claims use since about May 15, 1924.

Ser. No. 200,338. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSUR M. NASSAR, Cincinnati, Ohio. Filed July 21, 1924.

NASSAR



Particular description of goods.—Medicine for Tired, Swollen, Aching, and Sweaty Feet, Corns, Bunions, and Calli, and for Chilblains, Frostbites, Blisters, and All Foot Ailments.
Claims use since July 5, 1924.

Ser. No. 200,358. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAZLETON SYRUP CO., Hazleton, Pa. Filed July 22, 1924.

D-SIZ-O

Particular description of goods.—Compound for Treating Fabrics before Bleaching, Dyeing, Mercerizing, Printing, and Finishing. Sometimes Termed a Desizing Compound.
Claims use since July 10, 1924.

Ser. No. 200,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LOWELL COMPANY, New York, N. Y. Filed July 22, 1924.

POREFINER

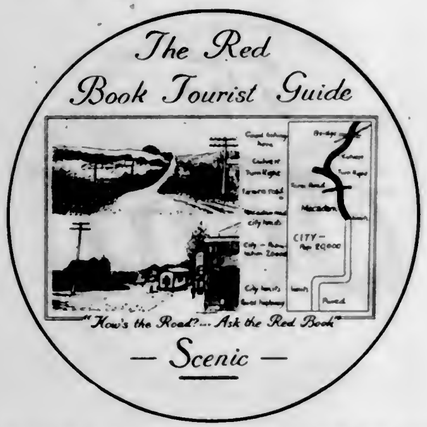
Particular description of goods.—Face Cream.
Claims use since on or about May 1, 1921.

Ser. No. 200,375. (CLASS 38. PRINTS AND PUBLICATIONS.) SHOWER BROTHERS COMPANY, Bloomington and Indianapolis, Ind., and Burlington, Iowa. Filed July 22, 1924.

The MAN ON THE FLOOR

Particular description of goods.—Monthly Publication.
Claims use since February, 1924.

Ser. No. 200,390. (CLASS 38. PRINTS AND PUBLICATIONS.) GENERAL ADVERTISING COMPANY, INC., Portland, Oreg. Filed July 23, 1924.



No claim is made to the following words and figures appearing on the drawing apart from the other features of the mark as shown: "Good Fishing Here, Culvert Turn Right, Farmers' Roads, Macadam Road, City Limits, City—Population 2000, City Limits, Paved Highway, Bridge, Farm Road, Macadam, City—Pop. 20,000, Limits, Culvert, Turn Right, Limits, Paved, How's the Road? Ask the Red Book, Scenic."
Particular description of goods.—Booklets of Information for Use of Tourists Published from Time to Time.
Claims use since about Jan. 26, 1922.

Ser. No. 200,419. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILL BLACKETT, Chicago, Ill. Filed July 24, 1924.

YUTH

Particular description of goods.—Facial Cream.
Claims use since Apr. 28, 1924.

Ser. No. 200,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO SANSONE, Newark, N. J. Filed July 24, 1924.

Bi'Avis

Antonio Lansone

The signature is a facsimile of applicant's autograph.
Particular description of goods.—Tonic for General Debility and Organic Weakness, Anemia, and Lymphatism.
Claims use since Apr. 15, 1924.

Ser. No. 200,482. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RA MELLE EASON, doing business as The Ezy-Strait Co., Hernando, Miss. Filed July 25, 1924.

Ezy-Strait

Particular description of goods.—Preparation for Straightening and Improving the Hair.
Claims use since June 28, 1924.

Ser. No. 200,535. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & WALLS, New York, N. Y. Filed July 25, 1924.

TUB LUSTRE

Trade-mark consists of the words "Tub Lustre."
Particular description of goods.—Piece Goods of Silk, Cotton, and Mixtures Thereof.
Claims use since 1924.

Ser. No. 200,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LOTUS DRUG CO., South Bend, Ind. Filed July 26, 1924.

NOK-OUT

Particular description of goods.—Prophylactic.
Claims use since June 20, 1924.

Ser. No. 200,600. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Providence, R. I. Filed July 28, 1924.

PICARDEAUX

Particular description of goods.—Woolen, Cotton, and Woolen and Cotton Piece Goods.
Claims use since May 15, 1924.

Ser. No. 200,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN RANDLES, INC., New York, N. Y. Filed July 28, 1924. Under ten-year proviso.

RANDLES

Particular description of goods.—Rice.
Claims use since January, 1864.

Ser. No. 200,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN RANDLES, INC., New York, N. Y. Filed July 28, 1924.



Particular description of goods.—Rice.
Claims use since January, 1922.

Ser. No. 200,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE M. CLARK, doing business as G. M. Clark Co., Lancaster, N. H. Filed July 29, 1924.

NATRITONE

Particular description of goods.—Proprietary Preparations in Tablet Form for the Relief of Dyspepsia, Indigestion, Gas on the Stomach, and Biliousness.
Claims use since about Apr. 19, 1924.

Ser. No. 200,691. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. W. C. RUSH, doing business as Rushene Laboratories, Monroe, N. C. Filed July 29, 1924.

RUSHENE

Particular description of goods.—Pharmaceutical Preparation Used in the Treatment of Stomach, Liver, Bowel, and Intestinal Disorders, with Desired Action on the Kidneys.
Claims use since Feb. 10, 1924.

Ser. No. 200,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BARKER, MOORE & MAIN MEDICINE COMPANY, Philadelphia, Pa. Filed July 30, 1924.



Particular description of goods.—Chick Mash.
Claims use since March, 1920.

Ser. No. 200,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN CAMPBELL & CO., New York, N. Y. Filed July 30, 1924.

TETRAMAL

"Tetramal."
Particular description of goods.—Chemical for Assisting in Dyeing Operations, Commonly Called a Dyeing Vehicle.
Claims use since Mar. 11, 1924.

Ser. No. 200,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed July 30, 1924.

NATRICO

Particular description of goods.—Medicinal Preparation Used in the Treatment of High Blood Pressure and All Forms of Hypertension of the Cardio-Vascular System.
Claims use since June 9, 1924.

Ser. No. 200,715. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed July 30, 1924.

IODOCAL

Particular description of goods.—Iodized Calcium Medication Put Up in Solid Form, Also as an Emulsion Used in the Tratment of Bronchitis, Nondiphtheritic Croup, Laryngitis, Pharyngitis, Pneumonia, and Catarrhal Conditions of the Respiratory Tract.
Claims use since January, 1915.

Ser. No. 200,717. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLAS TON-OL LAB. CORP., Jamaica, N. Y. Filed July 30, 1924.

MEN-TO-LU

Particular description of goods.—Throat Swab or Spray.
Claims use since Apr. 10, 1915.

Ser. No. 200,740. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER Z. ADAMSON, Philadelphia, Pa. Filed July 31, 1924.

FIRONO

Particular description of goods.—Fire-Extinguishing Material in Pulverulent Form.
Claims use since June 1, 1924.

Ser. No. 200,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELEN G. ANAGNOS, Bridgeport, Conn. Filed July 31, 1924.

Sozo-Trichon

Particular description of goods. Hair Tonic.
Claims use since Mar. 25, 1923.

Ser. No. 200,763. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 31, 1924.

Branage

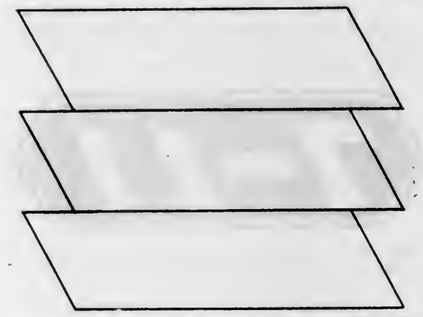
Particular description of goods.—Mixture of Bran and Flour.
Claims use since July 30, 1924.

Ser. No. 200,764. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR JACOB, Chicago, Ill. Filed July 31, 1924.

"The Bright Side of Life"

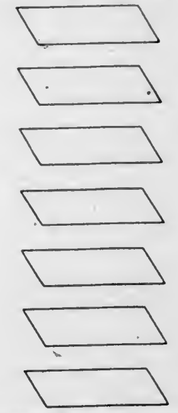
Particular description of goods.—Periodical Published at Intervals.
Claims use since Mar. 15, 1924.

Ser. No. 200,766. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa. Filed July 31, 1924.



Particular description of goods. Compound for Treating Colds and Grip.
Claims use since July 8, 1924.

Ser. No. 200,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa. Filed July 31, 1924.



Particular description of goods. Compound for Treating Colds and Grip.
Claims use since July 28, 1924.

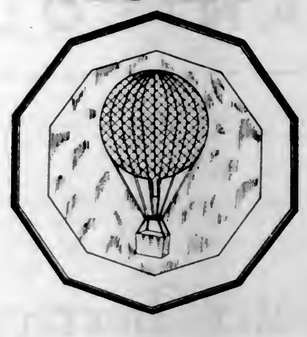
Ser. No. 200,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. S. KEIM, doing business as Lehigh Medical Laboratory, Catasauqua, Pa. Filed July 31, 1924.

2-3-4

Particular description of goods. Compound for Treating Colds and Grip.
Claims use since July 8, 1924.

Ser. No. 200,782. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SANDS & ROSS, INC., New York, N. Y. Filed July 31, 1924.

RESILIO



Particular description of goods.—Cotton Padding Used on Laundry Ironing Machines and Pressing Machines.
Claims use since July 8, 1924.

Ser. No. 200,824. (CLASS 38. PRINTS AND PUBLICATIONS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Aug. 1, 1924.

The Zenith

Particular description of goods.—Magazine Published Monthly.
Claims use since about March, 1903.

Ser. No. 200,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEP PRODUCTS COMPANY, Boston, Mass. Filed Aug. 1, 1924.

NEP

Particular description of goods.—Ointment for the Relief of Lumbago, Neuritis, Sciatica, Rheumatism, Sprains, Abrasions, Neuralgia, Piles, and Boils.
Claims use since June 10, 1924.

Ser. No. 200,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY H. BROWNLEE, Pittsburgh, Pa. Filed Aug. 2, 1924.

ANISOL

Particular description of goods.—Dentifrice.
Claims use since July 19, 1924.

Ser. No. 200,849. (CLASS 38. PRINTS AND PUBLICATIONS.) CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE, New York, N. Y. Filed Aug. 2, 1924.

Inter-America

Particular description of goods.—Periodical Publication.
Claims use since May 1, 1917.

Ser. No. 200,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNIE L. MCALLISTER & SON, Chicago, Ill. Filed Aug. 2, 1924. Under ten-year proviso.

JENNIE LIND

Particular description of goods.—Cough Sirup.
Claims use since 1893.

Ser. No. 201,009. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH C. ONNEN, doing business as The Armol Chemical Co., Baltimore, Md. Filed Aug. 5, 1924.

7–11

Particular description of goods.—Laxative Tonic.
Claims use since Apr. 1, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 16, 1924.

189,157. LOUSE, FLEA, AND INSECT DESTROYER. HARRY J. SMITH, doing business as H. J. Smith & Company, Utica, N. Y.
Filed May 16, 1924. Serial No. 197,175. PUBLISHED JULY 1, 1924.

189,158. MEDICINAL PREPARATION FOR CERTAIN NAMED USES. CATHCART AND CATHCART INC., Newburgh, N. Y.
Filed May 17, 1924. Serial No. 197,186. PUBLISHED JULY 1, 1924.

189,159. LINIMENT AND BLOOD SIRUP. DUFF K. COX, Columbus, Miss.
Filed May 17, 1924. Serial No. 197,192. PUBLISHED JULY 1, 1924.

189,160. CHEMICAL PREPARATION FOR TREATMENT OF COLDS, CATARRH, ASTHMA, ETC. ALBERT C. HEATH, doing business as Nasalfilter Company, St. Paul, Minn.
Filed May 17, 1924. Serial No. 197,201. PUBLISHED JULY 1, 1924.

189,161. RUBBING ALCOHOL. STANHOPE CHEMICAL LABORATORIES INC., Brooklyn, N. Y.
Filed May 17, 1924. Serial No. 197,225. PUBLISHED JULY 1, 1924.

189,162. REMEDY FOR POISON IVY, SUNBURN, AND OTHER SKIN AFFLICTIONS. LORENZ BENZ, Astoria, N. Y.
Filed May 19, 1924. Serial No. 197,247. PUBLISHED JULY 1, 1924.

189,163. TOILET POWDERS, ROUGES, FACE CREAMS, AND LOTIONS. CARA-MIA, INC., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,252. PUBLISHED JULY 1, 1924.

189,164. GERMICIDES, FUNGICIDES, FUMIGANTS, DISINFECTANTS, INSECTICIDES, AND LIQUID AND DUSTING MATERIALS FOR AGRICULTURAL AND HORTICULTURAL PURPOSES. THE CENTRAL CHEMICAL COMPANY, Hagerstown, Md.
Filed May 19, 1924. Serial No. 197,253. PUBLISHED JULY 1, 1924.

189,165. CANNED GRAPES, RIPE OLIVES, CANNED BLUEBERRIES, MARSHMALLOWS, DRIED FIGS, SORGHUM, MOLASSES, MACARONI, SPAGHETTI, EGG NOODLES, DATES, JELLY POWDER, PEARL BARLEY, DRIED RAISINS, DRIED PEACHES, DRIED PRUNES, DRIED APRICOTS, DRIED PEARS, DRIED APPLES, AND WHEAT FLOUR. WESTERN GROCER COMPANY, Marshalltown, Iowa.
Filed January 22, 1924. Serial No. 191,153. PUBLISHED JULY 1, 1924.

189,166. DRESSES, CLOAKS, AND SUITS. MISS JUNIOR FROCKS, New York, N. Y.
Filed January 24, 1924. Serial No. 191,235. PUBLISHED JULY 8, 1924.

189,167. DRIED VEGETABLES, SUCH AS LENTILS. THE GRAHAM CO., INC., New York, N. Y.
Filed January 25, 1924. Serial No. 191,264. PUBLISHED JUNE 24, 1924.

189,168. SPICES, FOOD-FLAVORING EXTRACTS, BUTTER, COFFEE, TEA, AND PEPPER. CHARLES E. MARR, Spokane, Wash.
Filed January 28, 1924. Serial No. 191,393. PUBLISHED JUNE 24, 1924.

189,169. MEN'S HATS. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed January 30, 1924. Serial No. 191,493. PUBLISHED JUNE 24, 1924.

189,170. MEN'S HATS. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed January 30, 1924. Serial No. 191,494. PUBLISHED JUNE 24, 1924.

189,171. CANDIES AND CHOCOLATES. AKTIESELSKABET FREIA CHOCOLADE FABRIK, Christiania, Norway.
Filed February 11, 1924. Serial No. 192,102. PUBLISHED JULY 1, 1924.

189,172. MOTOR FUEL. HENRY A. WHITLEY, Los Angeles, Calif.
Filed February 26, 1924. Serial No. 192,872. PUBLISHED MAY 27, 1924.

189,173. TABLE SAUCE COMPOSED OF VARIOUS FRUIT AND VEGETABLE JUICES AND SPICES. MANDARIN SAUCE CO., Los Angeles, Calif.
Filed February 27, 1924. Serial No. 192,920. PUBLISHED JUNE 24, 1924.

189,174. LADIES' READY-TO-WEAR DRESSES, SUITS, COATS, AND CLOAKS AND LADIES' HATS. THE MILLER-WOHL CO. INC., New York, N. Y.
Filed February 27, 1924. Serial No. 192,921. PUBLISHED JUNE 24, 1924.

189,175. UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. CARLEY-RICE CO., doing business as Wrentham Mills, Milwaukee, Wis.
Filed February 28, 1924. Serial No. 192,956. PUBLISHED JUNE 24, 1924.

189,176. SECTIONAL PRICE MARKERS AND CARD HOLDERS. THE HOPP PRESS INC., New York, N. Y.
Filed February 28, 1924. Serial No. 192,977. PUBLISHED JUNE 10, 1924.

189,177. LADIES' HATS. JACOB STEIN, doing business as Winner Hat Manufacturing Company, New York, N. Y.
Filed March 1, 1924. Serial No. 193,139. PUBLISHED JULY 8, 1924.

189,178. CRÊPE PAPER. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed March 4, 1924. Serial No. 193,215. PUBLISHED MAY 27, 1924.

189,179. LINGERIE, DRESS AND NEGLIGEE SHIRTS, PYJAMAS, COLLARS; KNITTED AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; HOSIERY, NECKTIES AND SCARFS FOR MEN, COLLARS FOR WOMEN, COLLAR AND CUFF SETS FOR WOMEN, ROBES, SMOKING JACKETS, GOLF TROUSERS; CHILDREN'S AND INFANTS' WEAR, INCLUDING CAPS, HATS, DRESSES, SUITS, COATS, BANDS, STOCKINGS, SWEATERS, BIBS, SACKS, AND WRAPPERS; NEGLIGEES, CORSETS, BLOUSES, SWEATERS, SPORT HATS FOR WOMEN AND CHILDREN, AND SCARFS OF SILK OR WOOL. JAMES MCCUTCHEON & COMPANY, New York, N. Y.
Filed March 4, 1924. Serial No. 193,233. PUBLISHED JUNE 24, 1924.

189,180. KRAFT PAPER. STONE AND FORSYTH COMPANY, Boston, Mass.
Filed March 4, 1924. Serial No. 193,257. PUBLISHED JUNE 10, 1924.

189,181. KRAFT PAPER. STONE AND FORSYTH COMPANY, Boston, Mass.
Filed March 4, 1924. Serial No. 193,258. PUBLISHED JUNE 10, 1924.

189,182. SALAD DRESSING. NANCY KEAN CHISBROUGH, Grosse Pointe, Mich.
Filed March 8, 1924. Serial No. 193,447. PUBLISHED JULY 1, 1924.

189,183. MEN'S, LADIES', AND CHILDREN'S UNDERWEAR OF ALL KINDS MADE OF SILK, COTTON, OR WOOL, OR MIXTURES THEREOF. GLIX-BRAND UNDERWEAR CO., New York, N. Y.
Filed March 8, 1924. Serial No. 193,457. PUBLISHED JULY 1, 1924.

189,184. SOFT DRINKS. JESSE L. ROBINSON, New Orleans, La.
Filed March 10, 1924. Serial No. 193,543. PUBLISHED JULY 8, 1924.

189,185. HATS, CAPS, SCARFS, NECKTIES, COLLARS, CRAVATS, RAINCOATS, MACKINTOSHES, BATHING SUITS; MEN'S AND BOYS' TROUSERS, COATS, VESTS, OVERCOATS, SUSPENDERS, BELTS, AND BATHROBES, AND LADIES' SHIRT WAISTS. GOLDENBERG'S, Washington, D. C.
Filed October 12, 1922. Serial No. 170,646. PUBLISHED JUNE 17, 1924.

189,186. WOMEN'S HATS. OUTLET MILLINERY COMPANY, INCORPORATED, Hartford, Conn.
Filed February 13, 1923. Serial No. 175,993. PUBLISHED JUNE 24, 1924.

189,187. CORSETS. TREO COMPANY, INC., Jamaica, N. Y.
Filed February 19, 1923. Serial No. 176,296. PUBLISHED JUNE 17, 1924.

189,188. KNITTED AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. BROWN DURRELL CO., Boston, Mass.
Filed June 28, 1923. Serial No. 182,532. PUBLISHED JUNE 24, 1924.

189,189. MEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed November 1, 1923. Serial No. 187,820. PUBLISHED JUNE 17, 1924.

189,190. BREAD. UNION BAKING COMPANY, INCORPORATED, Vancouver, Wash.
Filed November 9, 1923. Serial No. 188,167. PUBLISHED JULY 8, 1924.

189,191. CLOTH GLOVES. GREWEN FABRIC COMPANY, INC., Johnstown, N. Y.
Filed December 22, 1923. Serial No. 190,016. PUBLISHED MAY 20, 1924.

189,192. HOSIERY. LEWIS E. TAUBEL, Norristown, Pa.
Filed December 26, 1923. Serial No. 190,137. PUBLISHED JUNE 17, 1924.

189,193. KNITTED SWEATER COATS. CAMPE CORPORATION, New York, N. Y.
Filed January 21, 1924. Serial No. 191,054. PUBLISHED JUNE 17, 1924.

189,194. LADIES' AND CHILDREN'S HATS. J. & K. CONNOR, LTD., London, England.
Filed February 6, 1924. Serial No. 191,874. PUBLISHED JUNE 24, 1924.

189,195. LADIES' APRONS AND DRESSES. LA CROSSE GARMENT CO., La Crosse, Wis.
Filed February 8, 1924. Serial No. 192,020. PUBLISHED JUNE 17, 1924.

189,196. MEN'S, WOMEN'S, AND CHILDREN'S FOOTWEAR. P. A. SAWYER & CO., INC., New York, N. Y.
Filed February 16, 1924. Serial No. 192,433. PUBLISHED JUNE 10, 1924.

189,197. UMBRELLAS. CHRISTOPHER A. CLARK, doing business as Clark Umbrella Company, Milwaukee, Wis.
Filed February 23, 1924. Serial No. 192,674. PUBLISHED JUNE 24, 1924.

189,198. LEATHER SHOES. MARATHON SHOE CO., Wausau, Wis.
Filed February 23, 1924. Serial No. 192,711. PUBLISHED JUNE 24, 1924.

189,199. FANCY PASTRY. THE C. R. PEARCE COMPANY, Pittsburgh, Pa.
Filed February 23, 1924. Serial No. 192,729. PUBLISHED JULY 8, 1924.

189,200. OVERALLS, WORK SHIRTS, PANTS, TROUSERS, AND ONE-PIECE WORK SUITS AND PLAY SUITS. BAKER, HANNA & BLAKE CO., Oklahoma City, Okla.
Filed March 14, 1924. Serial No. 193,749. PUBLISHED JUNE 24, 1924.

189,201. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. KANSON HAT AND CAP MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed March 20, 1924. Serial No. 194,106. PUBLISHED JUNE 17, 1924.

189,202. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, CORSETS, CORSET WAISTS, BELTS, BRASSIÈRES, BANDEAUX AND GIRDLES. ROYAL WORCESTER CORSET COMPANY, Worcester, Mass.
Filed March 22, 1924. Serial No. 194,303. PUBLISHED JUNE 24, 1924.

189,203. GIRLS' AND LADIES' HATS. LEVIS-ZUKOSKI MERCANTILE COMPANY, St. Louis, Mo.
Filed March 24, 1924. Serial No. 194,362. PUBLISHED JUNE 24, 1924.

189,204. GLOVES AND GAUNTLETS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. MISSOURI GLOVE MFG. CO., University City, Mo.
Filed March 24, 1924. Serial No. 194,365. PUBLISHED JUNE 24, 1924.

189,205. METAL-HARDENING SUBSTANCES. STASSFURTER CHEMISCHE FABRIK VORMALS VORSTER & GRÜNEBERG ACTIEN-GESELLSCHAFT, Stassfurt, Germany.
Filed May 15, 1924. Serial No. 197,122. PUBLISHED JULY 1, 1924.

189,206. TOILET PREPARATIONS. C. F. OTTO MÜLLER, Karlsruhe, Germany.
Filed May 15, 1924. Serial No. 197,105. PUBLISHED JULY 1, 1924.

189,207. CANNED VEGETABLES. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis.
Filed May 14, 1924. Serial No. 197,040. PUBLISHED JULY 8, 1924.

189,208. TOILET PREPARATIONS. ARMAND HOLTZ, Paris, France.
Filed May 14, 1924. Serial No. 197,027. PUBLISHED JULY 1, 1924.

189,209. CHEMICAL REAGENT USED IN PHOTOGRAPHY. ETABLISSEMENTS POULENC FRÈRES (SOCIÉTÉ ANONYME), Paris, France.
Filed May 14, 1924. Serial No. 197,021. PUBLISHED JULY 1, 1924.

189,210. VANISHING CREAM, COLD CREAM, FACE BLEACH, SHAMPOO, PRESSING OIL, AND HAIR GROWER. THE CLARK MANUFACTURING COMPANY, Fort Smith, Ark.
Filed May 13, 1924. Serial No. 196,953. PUBLISHED JULY 1, 1924.

189,211. OINTMENT FOR THE TREATMENT OF ECZEMA AND KINDRED SKIN TROUBLES. ERNEST CAPECI, Port Chester, N. Y.
Filed May 13, 1924. Serial No. 196,952. PUBLISHED JULY 1, 1924.

189,212. MEDICINE FOR THE TREATMENT OF INDIGESTION, CONSTIPATION, BILIOUSNESS, ETC. ERNEST CAPECI, Port Chester, N. Y.
Filed May 13, 1924. Serial No. 196,951. PUBLISHED JULY 1, 1924.

189,213. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF PERTUSSIS. THE AMERICAN PHARMACAL COMPANY, Memphis, Tenn.
Filed May 13, 1924. Serial No. 196,948. PUBLISHED JULY 1, 1924.

189,214. MEN'S AND BOYS' SUITS AND OVERCOATS. LOUIS SAKS CLOTHING CO., Birmingham, Ala.
Filed March 30, 1923. Serial No. 178,363. PUBLISHED JULY 8, 1924.

189,215. CANDIES. LYDIA DARRAH CANDY SHOPS, INC., Minneapolis, Minn.
Filed May 18, 1923. Serial No. 180,792. PUBLISHED JUNE 24, 1924.

189,216. WALNUTS IN THEIR NATURAL STATE. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,425. PUBLISHED JULY 8, 1924.

189,217. LINIMENT. JOSEPH CLINTON WILLIAMS, Waco, Tex.
Filed April 28, 1924. Serial No. 196,283. PUBLISHED JULY 8, 1924.

189,218. MOUTH WASH. WILLIAM A. TAYLOR, North Wilkesboro, N. C.
Filed April 26, 1924. Serial No. 196,212. PUBLISHED JULY 8, 1924.

189,219. SHEETS AND BARS OF BRASS, OR COPPER OR ALLOYS THEREOF, METAL CASTINGS AND FORGINGS AND EXTRUDED SHAPES. TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass.
Filed April 26, 1924. Serial No. 196,211. PUBLISHED JULY 8, 1924.

189,220. FRESH FRUITS, DRIED FRUITS, NUTS, CANNED FRUITS, AND CANNED VEGETABLES. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif.
Filed April 26, 1924. Serial No. 196,190. PUBLISHED JULY 8, 1924.

189,221. FRESH CITROUS FRUITS. DUARTE ORCHARDS COMPANY, doing business as Duarte-Monrovia Fruit Exchange, Duarte, Calif.
Filed April 26, 1924. Serial No. 196,160. PUBLISHED JULY 8, 1924.

189,222. CANNED FISH. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed April 24, 1924. Serial No. 196,080. PUBLISHED JULY 8, 1924.

189,223. CANNED SARDINES. JAMES P. SMITH & COMPANY, New York, N. Y.
Filed April 22, 1924. Serial No. 195,991. PUBLISHED JULY 8, 1924.

189,224. CONFECTION COMPOSED OF FIGS AND NUTS. MELVILLE B. LEVI, Fresno, Calif.
Filed April 21, 1924. Serial No. 195,897. PUBLISHED JULY 8, 1924.

189,225. MEN'S STRAW HATS. THE RADIO HAT COMPANY, St. Louis, Mo.
Filed September 28, 1922. Serial No. 170,035. PUBLISHED JULY 8, 1924.

189,226. COATS, CAPES, SCARFS, HATS, FUR SETS, STOLES, NECK PIECES, MUFFS, AND GLOVES MADE OF FUR. BENJAMIN SHERMAN, doing business as New England Furriers, Washington, D. C.
Filed November 15, 1922. Serial No. 172,072. PUBLISHED JUNE 24, 1924.

189,227. CAPSULE OR TABLET FOR THE RELIEF OF COLDS AND GRIPPE. ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,860. PUBLISHED JULY 1, 1924.

189,228. SALT, BAKING POWDER, AND CREAM OF TARTAR. GORDON, SEWALL & CO., INC., Houston, Galveston, and Port Arthur, Tex.
Filed May 10, 1924. Serial No. 196,862. PUBLISHED JULY 1, 1924.

189,229. DYESTUFF INTERMEDIATES AND ACCELERATORS FOR RUBBER VULCANIZATION. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed May 10, 1924. Serial No. 196,865. PUBLISHED JULY 1, 1924.

189,230. TOILET WATER, FACE POWDER, EAU DE COLOGNE, VEGETAL COMPACT POWDER, SACHET, TALCUM POWDER, BATH SALTS; BRILLIANTINE, LIQUID; BRILLIANTINE, CONCRETE; COLD CREAM, SKIN AND TISSUE CREAM, DUSTING POWDER, BATH TABLETS, DRY ROUGE, GREASELESS CREAM, CLEANSING CREAM, AND PERFUME. CHERAMY, INC., New York, N. Y.
Filed May 12, 1924. Serial No. 196,908. PUBLISHED JULY 1, 1924.

189,231. PERFUMERY, HAIR TONICS, PREPARATIONS FOR TREATMENT OF DANDRUFF, TOILET WATERS; HAIR DRESSINGS—NAMELY, HAIR DRESSING AND BRILLIANTINE; SHAMPOO PREPARATIONS, BAY RUM, AND WITCH-HAZEL; COSMETICS—NAMELY, SKIN LOTION, WRINKLE REMOVER, FACE CREAMS, MASSAGE CREAM, BEAUTY CREAM, DAY CREAM, AND NIGHT CREAM, TOILET POWDERS, FACE POWDER, ROUGE, LIP STICK, EYEBROW PENCIL, SMELLING SALTS, AND BATH SALTS. PHILIP MORESCHI, doing business as The National Perfumery Mfg. Co., Waterbury, Conn.
Filed May 12, 1924. Serial No. 196,923. PUBLISHED JULY 1, 1924.

189,232. SKIN-BEAUTIFYING LOTION. NICOLÁS MONTIEL, New York, N. Y.
Filed May 13, 1924. Serial No. 196,963. PUBLISHED JULY 1, 1924.

189,233. TALCUM POWDER. UKEMCO CORPORATION, New York, N. Y.
Filed May 13, 1924. Serial No. 196,992. PUBLISHED JULY 1, 1924.

189,234. LIQUID PREPARATION FOR THE TREATMENT OF INDIGESTION, RHEUMATISM, NERVOUSNESS, AND ACIDOSIS. BRADER BARKER, Atlanta, Ga.
Filed May 14, 1924. Serial No. 196,999. PUBLISHED JULY 1, 1924.

189,235. HAIR DRESSING. ESTEE LABORATORIES COMPANY, Dallas, Tex.
Filed May 14, 1924. Serial No. 197,019. PUBLISHED JULY 1, 1924.

189,236. ANIMAL FEED. HIAWATHA GIN AND MANUFACTURING COMPANY, INC., Wilmington, Del., and Jackson, Miss.
Filed May 14, 1924. Serial No. 197,028. PUBLISHED JULY 1, 1924.

189,237. RADIATOR COMPOUND. CONKLIN'S PRODUCTS INC., Long Island City, N. Y.
Filed May 15, 1924. Serial No. 197,063. PUBLISHED JULY 1, 1924.

189,238. MEDICINE FOR MALARIA. ANTONIO SANSONE, Newark, N. J.
Filed May 15, 1924. Serial No. 197,117. PUBLISHED JULY 1, 1924.

189,239. AROMATIC COMBINATION OF HERBS FOR THE TREATMENT OF CONSTIPATION AND TORPID LIVER. MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger, New York, N. Y.
Filed May 15, 1924. Serial No. 197,118. PUBLISHED JULY 1, 1924.

189,240. MEDICATED MUD FOR TIRED AND TENDER FEET. WELDONA CORPORATION, Boston, Mass.
Filed May 15, 1924. Serial No. 197,123. PUBLISHED JULY 1, 1924.

189,241. PREPARATION IN POWDER FORM FOR COLDS, HEADACHES, NEURALGIA, RHEUMATISM, AND TOOTHACHE. J. FILIPOWICZ & CO., Baltimore, Md.
Filed May 16, 1924. Serial No. 197,141. PUBLISHED JULY 1, 1924.

189,242. SOFT DRINKS. THE GEO. GUNTHER JR. BREWING CO., Baltimore, Md.
Filed May 16, 1924. Serial No. 197,147. PUBLISHED JULY 8, 1924.

189,243. TALCUM POWDER. MAURY-COLE COMPANY, Memphis, Tenn.
Filed May 16, 1924. Serial No. 197,161. PUBLISHED JULY 1, 1924.

189,244. TONIC FOR THE DIGESTIVE ORGANS. PHAIRMOUNT LABORATORIES, Hackensack, N. J.
Filed May 16, 1924. Serial No. 197,166. PUBLISHED JULY 1, 1924.

189,245. PREPARATION FOR COMPLAINTS PECULIAR TO WOMEN. PREBOL DRUG COMPANY, Passaic, N. J.
Filed May 16, 1924. Serial No. 197,168. PUBLISHED JULY 1, 1924.

189,246. TOILET PREPARATIONS. SAUSSIER, INC., doing business as Chez Rellew Laboratories, Bethlehem, Pa.
Filed May 16, 1924. Serial No. 197,172. PUBLISHED JULY 1, 1924.

189,247. LEATHER GARMENT-SUPPORTING BELTS. DORSEY M. WIRTH, Bucyrus, Ohio.
Filed April 4, 1924. Serial No. 195,032. PUBLISHED JULY 8, 1924.

189,248. OVERALLS, WORK SHIRTS, PANTS, UNDERWEAR, AND HOSIERY. ALABAMA DRY GOODS COMPANY, Birmingham, Ala.
Filed April 7, 1924. Serial No. 195,089. PUBLISHED JUNE 24, 1924.

189,249. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed April 7, 1924. Serial No. 195,097. PUBLISHED JULY 1, 1924.

189,250. TEXTILE NIGHTSHIRTS, NIGHTGOWNS, AND PYJAMAS; TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; AND BEACH ROBES. FAULTLESS NIGHTWEAR CORPORATION (E. ROSENFELD & CO.), Baltimore, Md.
Filed April 8, 1924. Serial No. 195,166. PUBLISHED JUNE 24, 1924.

189,251. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed April 2, 1924. Serial No. 194,871. PUBLISHED JUNE 17, 1924.

189,252. POLISH FOR CLEANING AND POLISHING FURNITURE, FLOORS, LINOLEUM, PIANOS, AUTOMOBILES, ETC. O'CEDAR CORP'N, Chicago, Ill.
Filed July 5, 1924. Serial No. 199,643. PUBLICATION WAIVED.

189,253. EGGS. JOHN F. BYRNE, New York, N. Y.
Filed May 28, 1924. Serial No. 197,703. PUBLISHED JULY 8, 1924.

189,254. FLOUR FOR A PREPARATION OF FOODS FOR THE TREATMENT OF DIABETES, OBESITY, AND CONSTIPATION. ISRAEL S. KLEINER, doing business as Nutrivold Diabetic Flour Co., Brooklyn, N. Y.
Filed May 20, 1924. Serial No. 197,331. PUBLISHED JULY 8, 1924.

189,255. WHEAT FLOUR. THE MILLERS MILLING CO., Enid, Okla.
Filed May 2, 1924. Serial No. 196,467. PUBLISHED JULY 8, 1924.

189,256. HOSIERY. CHIPMAN KNITTING MILLS, Easton, Pa.
Filed April 15, 1924. Serial No. 195,573. PUBLISHED JUNE 24, 1924.

189,257. NECKTIES. KURT WINKELMAN, Winthrop, Minn.
Filed April 11, 1924. Serial No. 195,428. PUBLISHED JUNE 24, 1924.

189,258. HOSIERY. "ONYX" HOSIERY INC., New York, N. Y.
Filed April 11, 1924. Serial No. 195,414. PUBLISHED JUNE 24, 1924.

189,259. HOSIERY. "ONYX" HOSIERY INC., New York, N. Y.
Filed April 11, 1924. Serial No. 195,413. PUBLISHED JUNE 24, 1924.

189,260. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHES, OVERCOATS, TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. CHAS. DOUGLIS MACK CO., New York, N. Y.
Filed April 10, 1924. Serial No. 195,296. PUBLISHED JUNE 17, 1924.

189,261. GIRLS' AND WOMEN'S BLOOMERS AND WAISTS. JAMES A. HEARN & SON INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,285. PUBLISHED JUNE 24, 1924.

189,262. LADIES', MEN'S AND CHILDREN'S HOSIERY, SWEATERS, AND KNITTED UNDERWEAR. HOSIERY MANUFACTURERS SALES CO. INC., New York, N. Y.
Filed April 8, 1924. Serial No. 195,171. PUBLISHED JUNE 24, 1924.

189,263. LADIES' HOSIERY. WEINERTH KNITTING & MACHINE CO. INC., Reading, Pa.
Filed April 7, 1924. Serial No. 195,145. PUBLISHED JUNE 17, 1924.

189,264. CORN MEAL, CORN CHOPS, CORN BRAN, ALFALFA MEAL, CRUSHED CORN, HORSE FEED, DAIRY FEED, STEER FEED, CHICKEN FEED. THE CUERO MILL AND FEED COMPANY, Cuero, Tex.
Filed April 5, 1924. Serial No. 195,053. PUBLISHED JULY 8, 1924.

189,265. RICE. SEABOARD RICE MILLING COMPANY, Galveston, Tex.
Filed April 1, 1924. Serial No. 194,819. PUBLISHED JULY 8, 1924.

189,266. ANIMAL FOODS, SUCH AS MEAT MEAL, MEAT SCRAPS, POULTRY BONE, BLOOD MEAL, MINERAL FEED, AND DIGESTER TANKAGE. THE CHEMICAL PRODUCTS COMPANY, Cincinnati, Ohio.
Filed April 1, 1924. Serial No. 194,787. PUBLISHED JULY 8, 1924.

189,267. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. ISAAC CENTNER, Toronto, Ontario, Canada.
Filed March 28, 1924. Serial No. 194,589. PUBLISHED JUNE 17, 1924.

189,268. MEN'S AND YOUNG MEN'S SUITS. R. H. MACY & CO., INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,556. PUBLISHED JUNE 17, 1924.

189,269. MEDICINAL PREPARATIONS FOR USE IN THE TREATMENT OF TUBERCULOSIS AND ALL LUNG AFFECTIONS. ALOIS JOSEF POLANSKY, Fayetteville, Tex.
Filed April 8, 1924. Serial No. 195,185. PUBLISHED JULY 1, 1924.

189,270. PAPER NAPKINS AND TABLE COVERS. DANIELS MANUFACTURING COMPANY, Rhinelander, Wis.
Filed April 9, 1924. Serial No. 195,221. PUBLISHED MAY 27, 1924.

189,271. KIMONOS, WRAPPERS, AND BATH ROBES. J. BURTON MUSTIN, doing business as Stratford Knitting Mills, Philadelphia, Pa.
Filed April 9, 1924. Serial No. 195,235. PUBLISHED JULY 1, 1924.

189,272. ALBUMS. THE UNIVERSAL PRESS, INC., Chicago, Ill.
Filed April 9, 1924. Serial No. 195,245. PUBLISHED JUNE 17, 1924.

189,273. SUSPENDERS AND GARTERS. IVORY GARTER COMPANY, New Orleans, La.
Filed April 11, 1924. Serial No. 195,400. PUBLISHED JULY 1, 1924.

189,274. SUSPENDERS AND GARTERS. IVORY GARTER COMPANY, New Orleans, La.
Filed April 11, 1924. Serial No. 195,401. PUBLISHED JULY 1, 1924.

189,275. HOSIERY. "ONYX" HOSIERY INC., New York, N. Y.
Filed April 11, 1924. Serial No. 195,411. PUBLISHED JUNE 24, 1924.

189,276. HOSIERY. "ONYX" HOSIERY INC., New York, N. Y.
Filed April 11, 1924. Serial No. 195,412. PUBLISHED JUNE 24, 1924.

189,277. HOSIERY. J. W. LANDENBERGER & CO., Philadelphia, Pa.
Filed April 12, 1924. Serial No. 195,451. PUBLISHED JUNE 24, 1924.

189,278. BOOK PAPERS. BERGSTROM PAPER COMPANY, Neenah, Wis.
Filed April 14, 1924. Serial No. 195,478. PUBLISHED JUNE 10, 1924.

189,279. BOOK PAPERS. BERGSTROM PAPER COMPANY, Neenah, Wis.
Filed April 14, 1924. Serial No. 195,479. PUBLISHED JUNE 10, 1924.

189,280. BOOK PAPERS. BERGSTROM PAPER COMPANY, Neenah, Wis.
Filed April 14, 1924. Serial No. 195,480. PUBLISHED JUNE 10, 1924.

189,281. BOOK PAPERS. BERGSTROM PAPER COMPANY, Neenah, Wis.
Filed April 14, 1924. Serial No. 195,482. PUBLISHED JUNE 10, 1924.

189,282. BOOK PAPERS. BERGSTROM PAPER COMPANY, Neenah, Wis.
Filed April 14, 1924. Serial No. 195,483. PUBLISHED JUNE 10, 1924.

189,283. MEN'S NECKTIES. CHURCH, WEBB & CLOSE, INC., New York, N. Y.
Filed April 14, 1924. Serial No. 195,492. PUBLISHED JUNE 24, 1924.

189,284. DRESSES. MERRY MAID WEDDING DRESS CO., New York, N. Y.
Filed April 14, 1924. Serial No. 195,529. PUBLISHED JUNE 24, 1924.

189,285. UNDERGARMENT FOR WOMEN TO BE WORN AS A GIRDLE, BRASSIÈRE, OR FIGURE-RETAINING GARMENT. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed April 24, 1924. Serial No. 196,066. PUBLISHED JULY 1, 1924.

189,286. MACKINTOSHES AND RAINCOATS. ROGERS PEET COMPANY, New York, N. Y.
Filed April 23, 1924. Serial No. 196,031. PUBLISHED JULY 1, 1924.

189,287. WOMEN'S UNDERWEAR OF TEXTILE FABRIC. SAMUEL SIMON & SON, INC., New York, N. Y.
Filed April 22, 1924. Serial No. 195,990. PUBLISHED JULY 1, 1924.

189,288. SPORT AND PLAY OVERSUITS FOR BOYS AND GIRLS. JENKINS MANUFACTURING COMPANY, Fort Worth, Tex.
Filed April 22, 1924. Serial No. 195,965. PUBLISHED JULY 1, 1924.

189,289. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. C. B. SLATER COMPANY, South Braintree, Mass.
Filed April 21, 1924. Serial No. 195,915. PUBLISHED JULY 1, 1924.

189,290. WOMEN'S HATS. OUTLET MILLINERY COMPANY, INCORPORATED, Hartford, Conn.
Filed April 21, 1924. Serial No. 195,903. PUBLISHED JULY 1, 1924.

189,291. CERTAIN TOILET PREPARATIONS. LINNIE E. LEONARD, doing business under the name of Ce' Leb Manufacturing Company, Cleveland, Ohio.
Filed April 21, 1924. Serial No. 195,893. PUBLISHED JULY 1, 1924.

189,292. LADIES' SILK UNDERWEAR. MORRIS KLUGMAN, doing business as California Lingerie Company, Los Angeles, Calif.
Filed April 21, 1924. Serial No. 195,889. PUBLISHED JULY 1, 1924.

189,293. MEN'S TOPCOATS. COHN, RISSMAN & CO., Chicago, Ill.
Filed April 21, 1924. Serial No. 195,868. PUBLISHED JULY 1, 1924.

189,294. MEN'S SUITS. COHN, RISSMAN & CO., Chicago, Ill.
Filed April 21, 1924. Serial No. 195,866. PUBLISHED JULY 1, 1924.

189,295. TISSUE PAPER. BROOKS PAPER COMPANY, St. Louis, Mo.
Filed April 19, 1924. Serial No. 195,799. PUBLISHED JUNE 10, 1924.

189,296. CHILDREN'S ATHLETIC UNDERWEAR. THE ANDALA COMPANY, Andalusia, Ala.
Filed April 19, 1924. Serial No. 195,796. PUBLISHED JULY 1, 1924.

189,297. SWEATERS, KNITTED UNDERWEAR, BATHING SUITS AND HOSIERY FOR MEN, WOMEN, AND CHILDREN. AMERICAN HOSIERY AND UNDERWEAR CORPORATION, Norwood, Mass.
Filed April 19, 1924. Serial No. 195,795. PUBLISHED JULY 1, 1924.

189,298. UNDERWEAR, BATH SUITS, SPORT COATS, SWEATER COATS, VESTS, JACKETS, PETTICOATS, NIGHTSHIRTS, BELLYBANDS, KNEE WARMERS, MADE OF KNITTED, NETTED, AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN. H. LOEB & CO. INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,701. PUBLISHED JUNE 24, 1924.

189,299. TAILOR-MADE DRESSES. GREENWALD, FRIEDMAN & CO., INC., New York, N. Y.
Filed April 17, 1924. Serial No. 195,684. PUBLISHED JUNE 24, 1924.

189,300. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHT ROBES, AND UNDERWEAR. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed April 17, 1924. Serial No. 195,673. PUBLISHED JUNE 24, 1924.

189,301. EXERCISE, COMPOSITION, MEMORANDUM, AND NOTE BOOKS. S. E. & M. VERNON INC., New York, N. Y.
Filed April 16, 1924. Serial No. 195,664. PUBLISHED JUNE 10, 1924.

189,302. CLOTHES—NAMELY, COATS, OVERCOATS, AND RAINCOATS, SUITS, UNIFORMS, TROUSERS AND PANTS, OUTING CLOTHES; SHOES OF LEATHER, FABRIC, RUBBER, FELT, OR COMBINATION THEREOF; SHIRTS, BLOUSES, HOSIERY, DRESSES, SWEATERS, HATS AND CAPS, TIES, HANDKERCHIEFS, AND PYJAMAS. HARRIS & FRANK, Los Angeles, Calif.
Filed April 16, 1924. Serial No. 195,641. PUBLISHED JUNE 24, 1924.

189,303. LADIES' HATS. TURGELL & ROSENTHAL, New York, N. Y.
Filed April 15, 1924. Serial No. 195,604. PUBLISHED JUNE 24, 1924.

189,304. TOMATO PRODUCTS—NAMELY, TOMATO PASTE AND TOMATO SAUCE. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed April 14, 1924. Serial No. 195,549. PUBLISHED JULY 1, 1924.

189,305. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Hawaii.
Filed May 16, 1924. Serial No. 197,149. PUBLISHED JULY 8, 1924.

189,306. FRESH APPLES. THOS. A. DUTHIE, doing business as Duthie & Company, Portland, Oreg.
Filed May 19, 1924. Serial No. 197,263. PUBLISHED JULY 8, 1924.

189,307. CERTAIN METALLIC SUBSTANCE. WALTER M. JONES, Stamford, Conn.
Filed May 23, 1924. Serial No. 197,486. PUBLISHED JULY 8, 1924.

189,308. ANTISEPTIC SOLUTION FOR LOCAL APPLICATION IN DILUTED FORM. ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,859. PUBLISHED JULY 1, 1924.

189,309. INFUSION BASE OR LAXATIVE TEA. ANTON W. FINGL, doing business as Fingl Laboratory, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,857. PUBLISHED JULY 1, 1924.

189,310. PEANUT BUTTER. WILMAR MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 9, 1924. Serial No. 196,842. PUBLISHED JUNE 24, 1924.

189,311. MOTHPROOFING CHEMICALS. THE TINOLAN CO. OF AMERICA, INC., New York, N. Y.
Filed May 9, 1924. Serial No. 196,838. PUBLISHED JULY 1, 1924.

189,312. DENTAL CREAM. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed May 8, 1924. Serial No. 196,779. PUBLISHED JULY 1, 1924.

189,313. MUSTARD-PLASTER RUB FOR THE TREATMENT OF LIGHT COLDS, SORE THROAT, COLDS IN THE HEAD, BRONCHITIS, TONSILLITIS, AND DEEP CHEST COLDS. O. G. CHEMICAL COMPANY, Detroit, Mich.
Filed May 8, 1924. Serial No. 196,754. PUBLISHED JULY 1, 1924.

189,314. EMBALMING FLUID. OAKLEY LABORATORIES, INCORPORATED, Minneapolis, Minn.
Filed May 8, 1924. Serial No. 196,753. PUBLISHED JULY 1, 1924.

189,315. ANTISEPTIC POWDERS. MRS. FRANK C. DUNN, doing business as The Fresca Co., Lansing, Mich.
Filed May 7, 1924. Serial No. 196,698. PUBLISHED JULY 1, 1924.

189,316. MEDICINAL POWDER USED AS A CONDITIONER, WORM EXPELLER, DIGESTER, AND FEVER SUPPRESSER FOR DOMESTIC ANIMALS; ALSO A LIQUID DIP AND DRY INSECTICIDE FOR REMOVING SCURF AND DESTROYING LICE. PEET STOCK REMEDY COMPANY, Council Bluffs, Iowa.
Filed May 6, 1924. Serial No. 196,673. PUBLISHED JULY 1, 1924.

189,317. HOSIERY. CHIPMAN KNITTING MILLS, Easton, Pa.
Filed May 3, 1924. Serial No. 196,511. PUBLISHED JULY 1, 1924.

189,318. HOSIERY. SOCIETY MAID HOSIERY COMPANY, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,484. PUBLISHED JULY 1, 1924.

189,319. FABRIC GLOVES AND KID GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed April 30, 1924. Serial No. 196,360. PUBLISHED JULY 1, 1924.

189,320. EVAPORATED SKIMMED MILK. THE UNIVERSAL MILK COMPANY, Dover, Del.
Filed April 30, 1924. Serial No. 196,358. PUBLISHED JULY 1, 1924.

189,321. HOSIERY. DURHAM HOSIERY MILLS, Durham, N. C.
Filed April 29, 1924. Serial No. 196,296. PUBLISHED JULY 1, 1924.

189,322. RUBBER HEELS. CUPPLES COMPANY, MANUFACTURERS, St. Louis, Mo.
Filed April 28, 1924. Serial No. 196,237. PUBLISHED JULY 1, 1924.

189,323. SANDWICH FILLING ADAPTED FOR USE AS A SALAD DRESSING. THE MCDONALD-STEUBE CO., Columbus, Ohio.
Filed April 26, 1924. Serial No. 196,175. PUBLISHED JUNE 24, 1924.

189,324. HATS FOR WOMEN, MISSES, AND CHILDREN. NATHANIEL J. MASS, doing business as Mass Manufacturing Company, New York, N. Y.
Filed April 26, 1924. Serial No. 196,174. PUBLISHED JULY 1, 1924.

189,325. HATS FOR WOMEN, MISSES, AND CHILDREN. NATHANIEL J. MASS, doing business as Mass Manufacturing Company, New York, N. Y.
Filed April 26, 1924. Serial No. 196,173. PUBLISHED JULY 1, 1924.

189,326. WOMEN'S SILK UNDERGARMENTS AND NEGLIGEES. LANDE & MISKEND, New York, N. Y.
Filed April 25, 1924. Serial No. 196,125. PUBLISHED JULY 1, 1924.

189,327. PENCILS. WALL-STIEH COMPANY, INC., New York, N. Y.
Filed April 24, 1924. Serial No. 196,095. PUBLISHED JUNE 10, 1924.

189,328. FUEL FOR USE IN INTERNAL-COMBUSTION ENGINES. COLUMBIA OIL COMPANY, Rosslyn, Va.
Filed February 2, 1924. Serial No. 191,674. PUBLISHED APRIL 22, 1924.

189,329. LADIES' GOWNS, COATS, WRAPS, AND HATS. JULES SOREL, doing business as Sorel of Paris, New York, N. Y.
Filed February 5, 1924. Serial No. 191,845. PUBLISHED JUNE 10, 1924.

189,330. LADIES' GOWNS, COATS, WRAPS, AND HATS. JULES SOREL, doing business as Sorel of Paris, New York, N. Y.
Filed February 5, 1924. Serial No. 191,846. PUBLISHED JUNE 10, 1924.

189,331. MEDICINE FOR THE TREATMENT OF PYORRHEA. NESBIT M. DUNMAN, doing business as Dunness Manufacturing Company, Houston, Tex.
Filed February 8, 1924. Serial No. 192,013. PUBLISHED JULY 1, 1924.

189,332. HYDROCARBON FILLER FOR LUBRICATING OIL. ROBERT L. WISE, doing business as Higo Mfg. Company, Detroit, Mich.
Filed February 8, 1924. Serial No. 192,049. PUBLISHED JUNE 17, 1924.

189,333. CANDY. CHESTER A. ASHER, Philadelphia, Pa.
Filed February 13, 1924. Serial No. 192,206. PUBLISHED JULY 8, 1924.

189,334. FRESH CITROUS FRUITS, PARTICULARLY ORANGES. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif.
Filed February 11, 1924. Serial No. 192,152. PUBLISHED JULY 8, 1924.

189,335. CANNED ASPARAGUS. ONEIDA COMMUNITY, LTD., Oneida, N. Y.
Filed February 19, 1924. Serial No. 192,544. PUBLISHED JULY 8, 1924.

189,336. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHING CONSISTING OF TROUSERS, PANTS, VESTS, COATS, JACKETS, AND OVERCOATS. THE GLOBE TAILORING COMPANY, Cincinnati, Ohio.
Filed February 21, 1924. Serial No. 192,613. PUBLISHED JUNE 17, 1924.

189,337. SHOES AND BOOTS MADE ENTIRELY OR PARTLY OF RUBBER. LA CROSSE RUBBER MILLS CO., La Crosse, Wis.
Filed February 21, 1924. Serial No. 192,628. PUBLISHED JUNE 17, 1924.

189,338. NECKTIES AND CRAVATS. HUGHES & BRADLEY COMPANY, Philadelphia, Pa.
Filed February 23, 1924. Serial No. 192,698. PUBLISHED JUNE 17, 1924.

189,339. HEALTH FOOD IN THE FORM OF FRUIT CANDIES AND GRANULATED CEREAL FOOD PRODUCTS. GEO. E. LINCH, doing business as More Life Food Co., Kansas City, Mo., assignor to Wm. Frederic Irving Holcombe, Chicago, Ill.
Filed February 23, 1924. Serial No. 192,705. PUBLISHED JULY 8, 1924.

189,340. PETROLEUM PRODUCTS—NAMELY, GASOLINE AND LUBRICATING OILS. JAMES S. STANLEY, New York, N. Y.
Filed February 26, 1924. Serial No. 192,862. PUBLISHED JUNE 24, 1924.

189,341. LEATHER GLOVES. ABRAHAM NELSON, doing business as Nelson Glove Co., Gloversville, N. Y.
Filed February 28, 1924. Serial No. 192,994. PUBLISHED JUNE 17, 1924.

189,342. LUBRICATING OILS, ILLUMINATING OILS, GASOLINE, NAPTHA, AND LUBRICATING GREASES. STERLING OIL COMPANY, Emlenton, Pa.
Filed February 28, 1924. Serial No. 193,005. PUBLISHED JUNE 17, 1924.

189,343. COFFEE. JONES BROTHERS TEA COMPANY INC., Brooklyn, N. Y.
Filed February 29, 1924. Serial No. 193,046. PUBLISHED JULY 8, 1924.

189,344. LADIES' COATS, SUITS, AND WRAPS. EDWARD KOLBERT & SONS, New York, N. Y.
Filed March 3, 1924. Serial No. 193,182. PUBLISHED JUNE 10, 1924.

189,345. HATS AND CAPS FOR MEN AND BOYS. E. V. CONNETT & CO., Orange, N. J., and New York, N. Y.
Filed March 4, 1924. Serial No. 193,214. PUBLISHED JUNE 10, 1924.

189,346. LADIES' HATS. BETTER HAT CO., San Francisco, Calif.
Filed March 5, 1924. Serial No. 193,268. PUBLISHED JUNE 10, 1924.

189,347. MEDICINAL COMPOUND. HILLE LABORATORIES, Chicago, Ill.
Filed March 5, 1924. Serial No. 193,285. PUBLISHED JULY 1, 1924.

189,348. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 11, 1923. Serial No. 181,820. PUBLISHED JUNE 10, 1924.

189,349. CERTAIN BOOT AND SHOE MACHINERY. DAVID BAIRD MACDONALD, Leicester, England.
Filed August 4, 1923. Serial No. 184,086. PUBLISHED JULY 8, 1924.

189,350. WEARING APPAREL. LEVI STRAUSS AND COMPANY, San Francisco, Calif.
Filed August 27, 1923. Serial No. 185,059. PUBLISHED JUNE 17, 1924.

189,351. CERTAIN MEDICINAL PREPARATIONS. PLOUGH CHEMICAL COMPANY, doing business as Gerstle Medicine Co., Memphis, Tenn.
Filed September 24, 1923. Serial No. 186,155. PUBLISHED JULY 1, 1924.

189,352. DRESS AND NEGLIGEE SHIRTS. TITTELMAN & KOHN, Philadelphia, Pa.
Filed September 26, 1923. Serial No. 186,258. PUBLISHED DECEMBER 18, 1923.

189,353. TWIST DRILLS, TAPS AND DIES, MILLING CUTTERS, GEAR CUTTERS, METAL-SPLITTING SAWS, FILES, REAMERS, HACK-SAW BLADES, WRENCHES, AND FILE HANDLES. FRANKLIN HARDWARE CO. INC., New York, N. Y.
Filed October 6, 1923. Serial No. 186,636. PUBLISHED JULY 1, 1924.

189,354. DENTAL CASTS, FORMS, MODELS OF TEETH, GUM STRUCTURES, AND DISPLAY STANDS THEREFOR, AND DENTAL PLATES AND BRIDGEWORK. COLUMBIA X-RAY & ELECTRIC CORPORATION, New York, N. Y.
Filed November 10, 1923. Serial No. 188,182. PUBLISHED JULY 1, 1924.

189,355. FRESH DATES AND DATE BUTTER. WILLIS S. MYERS, Palm Springs, Calif.
Filed November 13, 1923. Serial No. 188,273. PUBLISHED JULY 8, 1924.

189,356. FRESH DATES AND DATE BUTTER. WILLIS S. MYERS, Palm Springs, Calif.
Filed November 13, 1923. Serial No. 188,274. PUBLISHED JULY 8, 1924.

189,357. SANDALS AND SHOES OF LEATHER AND FABRIC. MAID-RITE CORPORATION, Brooklyn, N. Y.
Filed November 22, 1923. Serial No. 188,687. PUBLISHED JUNE 17, 1924.

189,358. OILS, GREASES, AND GUMS USED IN THE TREATMENT OF TEXTILES. THE ARABOL M'F'G. CO., New York, N. Y.
Filed November 30, 1923. Serial No. 189,028. PUBLISHED JULY 1, 1924.

189,359. LEATHER SHOES. THE PHENIX SHOE MFG. CO., Milwaukee, Wis.
Filed December 5, 1923. Serial No. 189,268. PUBLISHED MARCH 25, 1924.

189,360. TRENCH EXCAVATORS, DRAG-LINE EXCAVATORS, HOISTING MACHINES, LOCOMOTIVE CRANES, SHOVELING MACHINES, AND POWER SHOVELS. NORTHWEST ENGINEERING COMPANY, Green Bay, Wis.
Filed December 6, 1923. Serial No. 189,334. PUBLISHED JULY 1, 1924.

189,361. SILENCERS FOR INTERNAL-COMBUSTION ENGINES AND PARTS THEREOF. THE INTERNATIONAL SILENCER COMPANY, LIMITED, London, England.
Filed December 10, 1923. Serial No. 189,460. PUBLISHED JULY 8, 1924.

189,362. REINFORCED PROTECTIVE UNDERGARMENTS OF TEXTILE FABRIC FOR WOMEN. ALMA MARIE LASSEN, doing business as Modesty Shadow Panel Co., New York, N. Y.
Filed January 9, 1924. Serial No. 190,598. PUBLISHED JUNE 7, 1924.

189,363. LEATHER, COMBINED LEATHER AND FABRIC, AND FABRIC GLOVES. THE GLOVE CORPORATION, Alexandria, Ind.
Filed January 17, 1924. Serial No. 190,922. PUBLISHED JUNE 10, 1924.

189,364. LADIES' SHOES MADE OF LEATHER. ROBINSON-BYNON SHOE COMPANY, Auburn, N. Y.
Filed January 22, 1924. Serial No. 191,140. PUBLISHED JUNE 10, 1924.

189,365. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS AND PYJAMAS. BELCRAFT SHIRT CO. INC., New York, N. Y.
Filed January 31, 1924. Serial No. 191,524. PUBLISHED JUNE 17, 1924.

189,366. SHOES MADE OF LEATHER, MUSLIN, CANVAS, SILK, VELVET, AND RUBBER. LUIS BURGER, New York, N. Y.
Filed February 1, 1924. Serial No. 191,596. PUBLISHED JUNE 17, 1924.

189,367. FUR COATS, FUR JACKETS, FUR SCARFS, CHOKERS, AND MUFFS. VERMONT SILVER FOX COMPANY, Chittendon, Vt.
Filed February 1, 1924. Serial No. 191,650. PUBLISHED JUNE 10, 1924.

189,368. BOOTS, SHOES, AND RUBBERS. MISHAWAKA WOOLEN MFG. CO., now, by change of name, the Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed August 5, 1921. Serial No. 151,462. PUBLISHED NOVEMBER 20, 1923.

189,369. CANDY. A. G. MORSE CO., Chicago, Ill.
Filed August 16, 1921. Serial No. 151,837. PUBLISHED JULY 8, 1924.

189,370. CANDIES. AGNES M. GOTRO, doing business as Mary May Candy Shoppe, Holyoke, Mass.
Filed September 19, 1921. Serial No. 153,094. PUBLISHED JULY 8, 1924.

189,371. WELDING METAL FOR ALUMINUM AND ALUMINUM ALLOYS. SOCIETE DES PLAQUES ET POUDRES A SOUDER J. LAFFITTE, Paris, France.
Filed May 25, 1922. Serial No. 164,519. PUBLISHED JULY 8, 1924.

189,372. FABRIC AND LEATHER WORKING GLOVES AND MITTENS AND FABRIC WORKING GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed June 6, 1922. Serial No. 165,056. PUBLISHED DECEMBER 11, 1923.

189,373. NAINSOOK UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. JACOB B. HIRSHFELD, New York, N. Y.
Filed June 26, 1922. Serial No. 166,072. PUBLISHED MAY 8, 1923.

189,374. CANDIES. FREDERICK M. SWITZER, doing business as Switzer's Yellow Jacket Company, St. Louis, Mo.
Filed August 26, 1922. Serial No. 168,738. PUBLISHED SEPTEMBER 25, 1923.

189,375. WEIGHING SCALES. THE JACOBS BROS. CO. INC., New York, N. Y.
Filed November 2, 1922. Serial No. 171,496. PUBLIHSED FEBRUARY 6, 1923.

189,376. MISSES' AND WOMEN'S COATS. GOLDMAN COSTUME COMPANY, INC., New York, N. Y.
Filed November 16, 1922. Serial No. 172,090. PUBLISHED JUNE 17, 1924.

189,377. WOMEN'S SUITS. ETHYLE B. NESBIT, Sawtelle, Calif.
Filed November 23, 1922. Serial No. 172,429. PUBLISHED JUNE 10, 1924.

189,378. TROUSERS. DUTCHESS MANUFACTURING CO., Poughkeepsie, N. Y.
Filed December 20, 1922. Serial No. 173,595. PUBLISHED JUNE 17, 1924.

189,379. MEN'S WOMEN'S, AND CHILDREN'S HOSIERY. JOSEPH P. VOORHEES, East Orange, N. J.
Filed March 29, 1923. Serial No. 178,314. PUBLISHED JULY 10, 1923.

189,380. LINEAR MEASURES, SQUARES, ANGLES, AND DRAWING RULERS. ALEXANDER GRAF VON FABER-CASTELL, Stein, near Nuremberg, Germany.
Filed April 9, 1923. Serial No. 178,832. PUBLISHED JULY 8, 1924.

189,381. KNITTED AND TEXTILE GARMENTS FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN. WRIGHT'S UNDERWEAR COMPANY, INCORPORATED, New York, N. Y.
Filed April 18, 1923. Serial No. 179,343. PUBLISHED FEBRUARY 26, 1924.

189,382. HOSIERY. EQUITY HOSIERY MILLS, New York, N. Y.
Filed April 24, 1923. Serial No. 179,592. PUBLISHED JULY 10, 1923.

189,383. LADIES' COATS, SUITS, SKIRTS, AND DRESSES. THE KUX BLEIWEISS COMPANY, Cleveland, Ohio.
Filed May 4, 1923. Serial No. 180,185. PUBLISHED AUGUST 21, 1923.

189,384. PREPARATION FOR USE IN AUTOMOBILE RADIATORS TO PREVENT LEAKING. ROBERT FREDRICK BONVILLAIN, Shreveport, La.
Filed May 18, 1923. Serial No. 180,786. PUBLISHED JULY 1, 1924.

189,385. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 8, 1923. Serial No. 181,680. PUBLISHED JUNE 10, 1924.

189,386. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 8, 1923. Serial No. 181,681. PUBLISHED JUNE 10, 1924.

189,387. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed June 8, 1923. Serial No. 181,682. PUBLISHED JUNE 10, 1924.

189,388. CHILDREN'S LEATHER SHOES. BUCKINGHAM & HECHT, San Francisco, Calif.
Filed March 28, 1924. Serial No. 194,587. PUBLISHED JUNE 17, 1924.

189,389. FORM CLAMPS, SHORES, SLEEPER CHAIRS, AND FORM SPACERS. CHICAGO FORM CLAMP COMPANY, Chicago, Ill.
Filed March 28, 1924. Serial No. 194,591. PUBLISHED JULY 1, 1924.

189,390. MEN'S AND BOYS' FLANNEL SHIRTS. ELDER MFG. CO., St. Louis, Mo.
Filed March 28, 1924. Serial No. 194,599. PUBLISHED JUNE 10, 1924.

189,391. HOSIERY. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn.
Filed March 31, 1924. Serial No. 194,695. PUBLISHED JUNE 10, 1924.

189,392. CONFECTION—NAMELY, CANDY BARS. CHICAGO TRUFFLES CO., Chicago, Ill.
Filed April 1, 1924. Serial No. 194,788. PUBLISHED JULY 8, 1924.

189,393. LEATHER BOOTS, SHOES, AND SLIPPERS AND FOR CANVAS BOOTS, SHOES, AND SLIPPERS. INTERNATIONAL SHOE COMPANY, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass.
Filed April 1, 1924. Serial No. 194,800. PUBLISHED JUNE 17, 1924.

189,394. GARTERS. SCHNEIDER, BATTINUS & SIMON, Chicago, Ill.
Filed April 1, 1924. Serial No. 194,818. PUBLISHED JUNE 10, 1924.

189,395. PREPARED AND CANNED MEAT PRODUCTS. F. G. VOGT & SONS, INC., Philadelphia, Pa.
Filed April 3, 1924. Serial No. 194,963. PUBLISHED JULY 8, 1924.

189,396. OVERALLS. FLETCHER BROTHERS CO., doing business as Fletcher Brothers, Winston-Salem, N. C.
Filed April 4, 1924. Serial No. 194,989. PUBLISHED JUNE 10, 1924.

189,397. CRAVATS. RALPH ROMAGANO, doing business as Ralph Knitting Mills, Philadelphia, Pa.
Filed April 5, 1924. Serial No. 195,074. PUBLISHED JUNE 17, 1924.

189,398. CANNED FRUITS AND CANNED VEGETABLES. SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed April 12, 1924. Serial No. 195,464. PUBLISHED JULY 8, 1924.

189,399. DYESTUFFS. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY LIMITED, New York, N. Y.
Filed April 15, 1924. Serial No. 195,564. PUBLISHED JULY 1, 1924.

189,400. PREPARATION FOR THE TREATMENT OF CORNS, CALLOUSES, AND WARTS. WALDO FOREST KEELER, doing business as Getz-Off-All Corn Remedy, Washington, D. C.
Filed April 15, 1924. Serial No. 195,580. PUBLISHED JULY 1, 1924.

189,401. ARSENICAL DRUGS, AND PARTICULARLY SOLUTIONS OF NEOARSPHENAMINE. STUART ROY MACEWEN, doing business as The Neosol Company, Buffalo, N. Y.
Filed April 17, 1924. Serial No. 195,705. PUBLISHED JULY 8, 1924.

189,402. CERTAIN TOILET PREPARATIONS. CHARLES E. COLEMAN, Elgin, Ill.
Filed April 18, 1924. Serial No. 195,738. PUBLISHED JULY 1, 1924.

189,403. CHEMICAL PREPARATION USED TO COLOR SAUSAGE CASINGS. B. HELLER & COMPANY, Chicago, Ill.
Filed April 18, 1924. Serial No. 195,744. PUBLISHED JULY 1, 1924.

189,404. STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 11, 1924. Serial No. 195,335. PUBLISHED JULY 1, 1924.

189,405. HAIR GROWER. ROSA KNOX, Greenville, Miss.
Filed April 11, 1924. Serial No. 195,402. PUBLISHED JULY 1, 1924.

189,406. HEALING SALVE. FRANK KOEPPEN, Elkhorn, Wis.
Filed April 11, 1924. Serial No. 195,404. PUBLISHED JULY 1, 1924.

189,407. INSECT-DESTROYING PREPARATIONS. FREDERICK SAMUEL JAMES BROOME, doing business as The Dymuth Company, Matlock, England.
Filed April 19, 1924. Serial No. 195,800. PUBLISHED JULY 1, 1924.

189,408. LEATHER BOOTS, SHOES, AND SLIPPERS AND CANVAS BOOTS, SHOES, AND SLIPPERS. INTERNATIONAL SHOE COMPANY, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass.
Filed April 4, 1924. Serial No. 195,000. PUBLISHED JULY 1, 1924.

189,409. LEATHER BOOTS, SHOES, AND SLIPPERS AND CANVAS BOOTS, SHOES, AND SLIPPERS. INTERNATIONAL SHOE COMPANY, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass.
Filed April 4, 1924. Serial No. 194,999. PUBLISHED JULY 1, 1924.

189,410. ANNOUNCEMENTS, BUSINESS STATIONERY, SOCIAL STATIONERY, AND MAILING ENVELOPES. HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass.
Filed April 3, 1924. Serial No. 194,920. PUBLISHED MAY 27, 1924.

189,411. TAPIOCA. JOHN L. CUSHMAN, Yonkers, N. Y.
Filed April 3, 1924. Serial No. 194,911. PUBLISHED JULY 1, 1924.

189,412. OINTMENT FOR TREATING COLD SORES AND OTHER SKIN AFFECTIONS. ARTHUR J. BRANSTAD, doing business as Branstad Drug Company, Eau Claire, Wis.
Filed April 1, 1924. Serial No. 194,781. PUBLISHED JULY 1, 1924.

189,413. WRAPPING PAPER. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed March 29, 1924. Serial No. 194,681. PUBLISHED MAY 27, 1924.

189,414. WRAPPING PAPER. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed March 29, 1924. Serial No. 194,680. PUBLISHED MAY 27, 1924.

189,415. YOUNG MEN'S SUITS. R. H. MACY & CO., INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,557. PUBLISHED JUNE 24, 1924.

189,416. OLIVE OIL. A. GERMANO & SON, New York, N. Y.
Filed March 27, 1924. Serial No. 194,534. PUBLISHED JULY 1, 1924.

189,417. BLOUSE PATTERNS OF VOILE IN THE PIECE, SHOWING BLOUSE PATTERNS READY TO BE CUT AND WHEN CUT READY TO BE SEWED INTO A BLOUSE GARMENT. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed March 26, 1924. Serial No. 194,500. PUBLISHED JUNE 24, 1924.

189,418. SHOES OF LEATHER AND COMBINATIONS OF CLOTH, RUBBER, AND LEATHER. THE MILLER-LERCH SHOE MANUFACTURING COMPANY, Columbus, Ohio.
Filed March 24, 1924. Serial No. 194,364. PUBLISHED JUNE 24, 1924.

189,419. LADIES' HATS. LEVIS-ZUKOSKI MERCANTILE COMPANY, St. Louis, Mo.
Filed March 24, 1924. Serial No. 194,361. PUBLISHED JUNE 24, 1924.

189,420. CORSETS, CORSET COVERS, BRASSIÈRES, GIRDLES, CORSET AND BRASSIÈRE COMBINATIONS, AND BANDEAUX. SILK MAID CORSET CO., Chicago, Ill.
Filed March 21, 1924. Serial No. 194,220. PUBLISHED JUNE 24, 1924.

189,421. LEATHER BOOTS AND SHOES, FABRIC SHOES, AND COMBINATION LEATHER AND FABRIC SHOES. FOOT, SCHULZE & CO., St. Paul, Minn.
Filed March 20, 1924. Serial No. 194,100. PUBLISHED JUNE 24, 1924.

189,422. LEATHER SHOES. STRAUSS LEATHER COMPANY, Pittsburgh, Pa.
Filed March 19, 1924. Serial No. 194,081. PUBLISHED JULY 8, 1924.

189,423. HOSIERY FOR MEN, WOMEN, CHILDREN, AND INFANTS. E & S HOSIERY MILLS, High Point, N. C.
Filed March 19, 1924. Serial No. 194,052. PUBLISHED JULY 8, 1924.

189,424. MEN'S, WOMEN'S, AND CHILDREN'S KNIT UNDERWEAR AND KNIT HOSIERY. RATHBUN & COMPANY, Utica, N. Y.
Filed March 18, 1924. Serial No. 194,023. PUBLISHED JULY 8, 1924.

189,425. PHOTOGRAPH MOUNTINGS AND PHOTOGRAPHIC FOLDERS AND CONTAINERS. CALIFORNIA CARD MANUFACTURING CO., San Francisco, Calif.
Filed March 17, 1924. Serial No. 193,896. PUBLISHED JUNE 10, 1924.

189,426. HOSIERY FOR MEN, WOMEN, AND CHILDREN, FABRIC GLOVES FOR MEN, WOMEN, AND CHILDREN, SILK UNDERWEAR AND DRESSES FOR LADIES. CHARLES F. BERG, Portland, Oreg.
Filed March 17, 1924. Serial No. 193,891. PUBLISHED JULY 8, 1924.

189,427. SWIMMING SUITS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed March 11, 1924. Serial No. 193,593. PUBLISHED JULY 1, 1924.

189,428. LAUNDRY STARCH. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed June 13, 1923. Serial No. 181,940. PUBLISHED JULY 1, 1924.

189,429. TOPPING FOR ICE CREAM AND CAKE ICING. ATLAS CANDY COMPANY, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,813. PUBLISHED JUNE 24, 1924.

189,430. CANNED AND DEHYDRATED FRUITS AND BERRIES. KING'S FOOD PRODUCTS CO., Portland, Oreg.
Filed September 10, 1923. Serial No. 185,599. PUBLISHED JULY 8, 1924.

189,431. RUBBER TAPS, RUBBER SOLES, AND RUBBER HEELS. TAUNTON RUBBER COMPANY, Taunton, Mass.
Filed September 12, 1923. Serial No. 185,727. PUBLISHED JUNE 24, 1924.

189,432. MEDICINAL PREPARATIONS. CHARLES G. PIERCY, also doing business as the Piercy Pain Powder Co., Columbus, Ohio.
Filed October 3, 1923. Serial No. 186,524. PUBLISHED JULY 8, 1924.

189,433. LUBRICANT OR GREASE. LIBERTY OIL COMPANY, Des Moines, Iowa.
Filed November 12, 1923. Serial No. 188,247. PUBLISHED MAY 27, 1924.

189,434. POWDERED MIXTURE OF SUBSTANCES. IT IS USED AS A CATHARTIC TO RELIEVE SUFFERING FROM GALLSTONE TROUBLE AND AIDS THE LIVER TO FUNCTION NORMALLY. JAMES E. GROSS, Chicago, Ill.
Filed November 21, 1923. Serial No. 188,630. PUBLISHED JULY 1, 1924.

189,435. PEANUT BUTTER, SALTED PEANUTS, CREAMERY BUTTER, COTTAGE CHEESE, PRESERVED PEACHES, CANNED BEANS, APPLE JELLY, SORGHUM TABLE SIRUP, AND MAYONNAISE. SOUTHERN FOOD PRODUCTS COMPANY, Chickamauga, Ga.
Filed November 21, 1923. Serial No. 188,644. PUBLISHED JUNE 24, 1924.

189,436. WRAPPING PAPER. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed December 10, 1923. Serial No. 189,446. PUBLISHED MAY 27, 1924.

189,437. BAKERS' SIRUP OF A MALT-CEREAL NATURE USED IN MAKING BREAD AND THE LIKE. P. BALLANTINE AND SONS, Newark, N. J.
Filed December 29, 1923. Serial No. 190,228. PUBLISHED JUNE 24, 1924.

189,438. WRAPPING PAPER. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed January 9, 1924. Serial No. 190,574. PUBLISHED MAY 27, 1924.

189,439. VINEGAR. C. L. POWELL, INC., Rochester, N. Y.
Filed January 10, 1924. Serial No. 190,648. PUBLISHED JUNE 24, 1924.

189,440. WRAPPING PAPER AND TOILET PAPER. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed January 11, 1924. Serial No. 190,670. PUBLISHED MAY 27, 1924.

189,441. WRAPPING PAPER. CAPITAL PAPER COMPANY, Indianapolis, Ind.
Filed January 11, 1924. Serial No. 190,673. PUBLISHED MAY 27, 1924.

189,442. GRIDDLE-CAKE FLOURS—NAMELY, PANCAKE FLOUR, AND BUCKWHEAT FLOUR—ROLLED OATS, AND TABLE SIRUPS. THE FISHBACK CO., Indianapolis, Ind.
Filed January 17, 1924. Serial No. 190,919. PUBLISHED JUNE 24, 1924.

189,443. SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF SUCH MATERIALS. CAMMEYER, New York, N. Y.
Filed January 22, 1924. Serial No. 191,121. PUBLISHED JUNE 24, 1924.

189,444. LADIES' AND MEN'S FULL-FASHIONED HOSIERY. NEBEL KNITTING COMPANY, Charlotte, N. C.
Filed March 7, 1924. Serial No. 193,412. PUBLISHED JUNE 10, 1924.

189,445. CANNED VEGETABLES. THE SEARS AND NICHOLS CANNING CO., Chillicothe, Ohio.
Filed March 11, 1924. Serial No. 193,629. PUBLISHED JULY 8, 1924.

189,446. HATS FOR MEN. THE STERN HAT COMPANY, Cleveland, Ohio.
Filed March 11, 1924. Serial No. 193,634. PUBLISHED JUNE 10, 1924.

189,447. BOOTS AND SHOES MADE OF LEATHER, FABRICS, AND COMBINATIONS THEREOF. BANCROFT WALKER COMPANY, Boston, Mass.
Filed March 14, 1924. Serial No. 193,750. PUBLISHED JUNE 10, 1924.

189,448. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,817. PUBLISHED JULY 8, 1924.

189,449. MIXTURE OF DRIED FRUIT AND PEANUTS. BYRON TYLER, Kansas City, Mo.
Filed March 15, 1924. Serial No. 193,867. PUBLISHED JULY 8, 1924.

189,450. RUBBER SOLES AND HEELS. CHARLES E. WOOD, INC., New York, N. Y.
Filed March 17, 1924. Serial No. 193,979. PUBLISHED JUNE 17, 1924.

189,451. WOOD-PRESERVING PREPARATIONS, PLANT AND ANIMAL DESTROYING PREPARATIONS, AND DISINFECTING PREPARATIONS. GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany.
Filed March 19, 1924. Serial No. 194,056. PUBLISHED JULY 1, 1924.

189,452. WOOD-PRESERVING PREPARATIONS, PLANT AND ANIMAL DESTROYING PREPARATIONS, AND DISINFECTING PREPARATIONS. GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany.
Filed March 19, 1924. Serial No. 194,058. PUBLISHED JULY 1, 1924.

189,453. WOOD-PRESERVING PREPARATIONS, PLANT AND ANIMAL DESTROYING PREPARATIONS, AND DISINFECTING PREPARATIONS. GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Berlin, Germany.
Filed March 19, 1924. Serial No. 194,059. PUBLISHED JULY 1, 1924.

189,454. HIGH-SPEED STEEL. JESSOP STEEL COMPANY, Washington, Pa.
Filed March 19, 1924. Serial No. 194,068. PUBLISHED JULY 1, 1924.

189,455. CANNED VEGETABLES. ADAM BROTHERS COMPANY, Houston, Tex.
Filed March 21, 1924. Serial No. 194,148. PUBLISHED JULY 8, 1924.

189,456. LEATHER GLOVES. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed March 21, 1924. Serial No. 194,232. PUBLISHED JUNE 10, 1924.

189,457. LEATHER SHOES. WARREN SHOE COMPANY, INC., Hamburg, N. Y.
Filed March 21, 1924. Serial No. 194,233. PUBLISHED JUNE 10, 1924.

189,458. CERTAIN NAMED CLOTHING. BANKS INC., New York, N. Y.
Filed March 22, 1924. Serial No. 194,247. PUBLISHED JUNE 10, 1924.

189,459. GEAR-SHIFT EXTENSION HANDLES FOR AUTOMOBILES. WILLIAM F. DORAN, doing business as Doran Engineering and Supply Company, Philadelphia, Pa.
Filed March 24, 1924. Serial No. 194,340. PUBLISHED JULY 1, 1924.

189,460. DRESSES. ROSENBERG & KUTLER INC., New York, N. Y.
Filed March 24, 1924. Serial No. 194,376. PUBLISHED JUNE 10, 1924.

189,461. MEDICINAL PREPARATION FOR STOMACH DISORDERS AND KINDRED AILMENTS. HERMAN'S PHARMACEUTICAL LABORATORIES, Elizabeth, N. J.
Filed March 27, 1924. Serial No. 194,539. PUBLISHED JULY 1, 1924.

189,462. CORSETS, BRASSIÈRES, AND GARTER BRASSIÈRES AND GIRDLES. POPULAR BRASSIERE CO. INCORPORATED, Astoria, N. Y.
Filed March 27, 1924. Serial No. 194,568. PUBLISHED JUNE 10, 1924.

189,463. CORSETS. STROUSE, ADLER & CO., New Haven, Conn.
Filed March 27, 1924. Serial No. 194,578. PUBLISHED JUNE 10, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

189,464 (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON C. PARKER, doing business under the name Dixon's Insect-O-Deth Co., Los Angeles, Calif. Filed Apr. 21, 1924. Serial No. 195,904.

INSECT DETH

Particular description of goods.—Liquid Insecticide and Germicide.
Claims use since Sept. 2, 1922.

189,465. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARVEY J. HARROLD, doing business as H. J. Harrold Tool Company, Columbiana, Ohio. Filed Sept. 14, 1923. Serial No. 185,783.

SHOK-PRUF

Particular description of goods.—Screw Drivers.
Claims use since Mar. 20, 1923.

189,466. (CLASS 39. CLOTHING.) ISIDORE BEILEY, doing business as I. Beiley & Co., New York, N. Y. Filed Sept. 13, 1923. Serial No. 185,740.

"Trecowear"

Particular description of goods.—Petticoats, Bloomers, and Slips.
Claims use since about July 1, 1923.

189,467. (CLASS 39. CLOTHING.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,477.

GENUINE
Lorraine
SUPERFINE SUITINGS

Particular description of goods.—Ladies' and Misses' Suits, Dresses, Coats, Skirts, and Waists.
Claims use since May 20, 1922.

189,468. (CLASS 39. CLOTHING.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,473.

GENUINE
Lorraine
PRADO CORDS

Particular description of goods.—Ladies' and Misses' Skirts, Dresses, Suits, Coats, and Capes; Men's and Boys' Suits, Coats, Pants, and Dusters.
Claims use since June 20, 1921.

189,469. (CLASS 39. CLOTHING.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,472.

GENUINE
Lorraine
SUITINGS

Particular description of goods.—Ladies' and Misses' Skirts, Suits, Coats, Dresses, and Capes, and Men's and Boys' Suits, Coats, Pants, and Dusters.
Claims use since June, 1913.

189,470. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLLACK, WEEKS CO., INC., New York, N. Y. Filed Aug. 14, 1923. Serial No. 184,475.

Spisbröd

Particular description of goods.—Bread.
Claims use since first part of May, 1922.

189,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed July 21, 1923. Serial No. 183,535.

Nail Brilliance

Particular description of goods.—Nail Polish.
Claims use since July 9, 1923.

189,472. (CLASS 39. CLOTHING.) FRANK G. DELBON, Brooklyn, N. Y. Filed June 6, 1923. Serial No. 181,589.

NATUREFORM

Particular description of goods.—Leather Shoes.
Claims use since about May 1, 1923.

189,473. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHINDEL & MCDANIELS, New York, N. Y. Filed Mar. 15, 1923. Serial No. 177,522.



Particular description of goods.—Bed Sheets, Pillowcases, and Cotton Fabrics.
Claims use since Feb. 1, 1923.

189,474. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Mar. 5, 1923. Serial No. 176,979.

Household

Particular description of goods.—Men's, Women's, Boys', and Girls' Leatner and Fabric Shoes.
Claims use since January, 1908.

189,475. (CLASS 39. CLOTHING.) S. DEICHES & COMPANY, Chicago, Ill. Filed Feb. 12, 1923. Serial No. 175,922.

Shape Hold

Particular description of goods.—Neckties.
Claims use since Jan. 20, 1923.

189,476. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CITRUS PRODUCTS COMPANY, doing business as Blugrape Company, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 168,352.

Blugrape

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Carbonated and Stilled Soft Drinks and Compounds and Concentrates for Manufacturing the Same.
Claims use since July 27, 1922.

189,477. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CAROLINA BOTTLING COMPANY, Concord, N. C. Filed Jan. 21, 1924. Serial No. 191,055.

PECHWINE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Aug. 1, 1923.

189,478. (CLASS 37. PAPER AND STATIONERY.) THE AETNA PAPER COMPANY, Dayton, Ohio. Filed Apr. 15, 1924. Serial No. 195,562.

DEMAND LEDGER

Particular description of goods.—Ledger Paper.
Claims use for not less than one year.

189,479. (CLASS 37. PAPER AND STATIONERY.) THE TISSUE COMPANY, Saugerties, N. Y. Filed May 27, 1924. Serial No. 197,693.

ULSTER

Particular description of goods.—Paper Napkins.
Claims use since Nov. 13, 1916.

189,480. (CLASS 37. PAPER AND STATIONERY.) STONE AND FORSYTH COMPANY, Boston, Mass. Filed May 27, 1924. Serial No. 197,691.

·Claremont·

Particular description of goods.—Wrapping Paper.
Claims use since 1908.

189,481. (CLASS 39. CLOTHING.) HARRY G. KUECHLE, doing business as The Double-Wear Shoe Co., Minneapolis, Minn. Filed Apr. 19, 1924. Serial No. 195,822.

THE
Double-Wear Shoe Co.
MINNEAPOLIS, MINN.
FROM FACTORY TO WEARER

Particular description of goods.—Leather Shoes.
Claims use since on or about June 1, 1918.

189,482. (CLASS 38. PRINTS AND PUBLICATIONS.) LOCKWOOD'S, Detroit, Mich. Filed Apr. 16, 1924. Serial No. 195,648.

LOCKWOOD'S

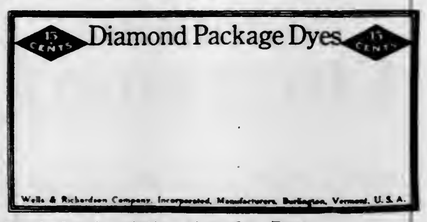
Particular description of goods.—Daily Publications.
Claims use since June, 1915.

189,483. (CLASS 39. CLOTHING.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Apr. 10, 1924. Serial No. 195,288.

HEARN
GOODWEAR

Particular description of goods.—Pyjamas and Night Drawers.
Claims use since Jan. 20, 1923.

189,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Mar. 31, 1924. Serial No. 194,761.



Particular description of goods.—Dyes.
Claims use since March, 1881.

189,485. (CLASS 39. CLOTHING.) HERMAN MANTELL, New York, N. Y. Filed Mar. 18, 1924. Serial No. 194,011.

Mannings
HOSIERY

Particular description of goods.—Hosiery.
Claims use since January, 1918.

189,486. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH F. SCHILLER, Philadelphia, Pa. Filed Dec. 11, 1923. Serial No. 189,534.



Particular description of goods.—Valves and Pipe Unions.
Claims use since Aug. 2, 1923.

189,487. (CLASS 39. CLOTHING.) THE SIMON-FELSENTHAL CO., INC., Chicago, Ill. Filed Aug. 20, 1923. Serial No. 184,768.

Dapper Clothes

Particular description of goods.—Suits and Overcoats for Young Men and Students.
Claims use since July 1, 1922.

189,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. PATON, doing business as The John G. Paton Company, New York, N. Y. Filed Nov. 27, 1923. Serial No. 188,969.

ORANGE BLOSSOM

Particular description of goods.—Honey.
Claims use since Aug. 3, 1922.

189,489. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, also doing business as The Oconto Mills, Marinette and Oconto, Wis.; Chicago, Ill.; and New York, N. Y. Filed Sept. 27, 1923. Serial No. 186,283.

Oconto
KNITTED WEAR
Made by Marinette

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's, and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, and Suits, Coats, Sweaters, and Sweater Coats, Vests, Tights, Bloomers, Petticoats, Bed Sacks, and Dressing Robes, Knickers and Knickerbockers, Scarfs, Ties, Muffs, and Mufflers, Socks and Stockings, Caps, Hats, and Tam-O'Shanters, Fabric Wristbands, Gloves and Mittens, and Fabric and Combination House Slippers, Leggings, Bootees, and Outfits Composed of Knitted Gaiters and Coat.
Claims use since July 1, 1923.

189,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Apr. 26, 1924. Serial No. 196,209.

FRANKLIN

Particular description of goods.—Fresh Cured Pork and Sausage.
Claims use since Dec. 17, 1906.

189,491. (CLASS 39. CLOTHING.) ROMAN DE LYNN, doing business as The Richmond Jr. Company, Pittsburgh, Pa. Filed June 13, 1924. Serial No. 198,511.

THE RICHMOND JR.
2 PAIR PANTS
& CAP TO MATCH
SUIT FOR BOYS
THE RICHMOND JR. CO.
FIFTH & WYLIE PITTSBURGH, PA.

Particular description of goods.—Boys' Suits and Caps.
Claims use since Apr. 1, 1923.

189,492. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AUTO TIPPER CO., INC., St. Louis, Mo. Filed June 7, 1924. Serial No. 198,221.

Auto Tipper

Particular description of goods.—A Device for Tipping Automobiles.
Claims use since July 1, 1923.

189,493. (CLASS 39. CLOTHING.) BARBOUR WELTING COMPANY, Montello Station, Brockton, Mass. Filed June 14, 1924. Serial No. 198,555.

BARBOUR

Particular description of goods.—Welting for Boots and Shoes.
Claims use since Apr. 26, 1919.

189,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed June 20, 1924. Serial No. 198,844.

COTY

Particular description of goods.—Perfume, Toilet Water, Face Powder, Compact Powder, Sachet Powder, Talcum Powder, Brilliantine, Eau de Cologne, Lotion for the Hair, Rouge, and Lip Stick.
Claims use since 1905.

189,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUGAR CONE MFG. CO., Brooklyn, N. Y. Filed June 20, 1924. Serial No. 198,889.



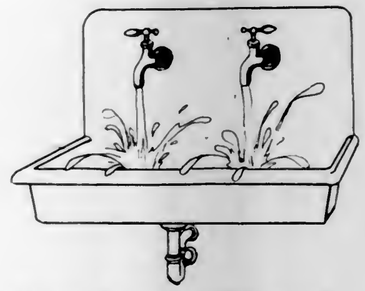
Particular description of goods.—Ice-Cream Cones.
Claims use since January, 1918.

189,496. (CLASS 39. CLOTHING.) M. HENRY LAMBERT, New York, N. Y. Filed June 26, 1924. Serial No. 199,170.

Pixley
Summer Tweeds

Particular description of goods.—Men's Overcoats, Coats, Vests, and Trousers.
Claims use since April, 1923.

189,497. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUGUST W. ANNERT, Jersey City, N. J. Filed July 3, 1924. Serial No. 199,516.



Water Pressure Restored

Particular description of goods.—Apparatus for Cleaning Water Mains and Pipes.
Claims use since 1921.

189,498. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EARL JAMES BENTON, doing business as Alger Chemical Company, Muskegon, Mich. Filed July 9, 1924. Serial No. 199,772.

ALGER

Particular description of goods.—Composition for Cleaning Rugs, Carpets, Autos, and Household Tapestry.
Claims use since Dec. 1, 1920.

189,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADOLPH BENZ, Jr., doing business as Benz Sanitary Bakery, Peoria, Ill. Filed July 26, 1924. Serial No. 200,538.

Benz

Particular description of goods.—Bread.
Claims use since June 23, 1922.

189,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BARKER, MOORE & MEIN MEDICINE COMPANY, Philadelphia, Pa. Filed July 30, 1924. Serial No. 200,705.

BARKER'S

Particular description of goods.—Poultry Mash Feeds and Scratch Feeds.
Claims use since March, 1920.

189,501. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE T. H. SYMINGTON COMPANY, New York and Rochester, N. Y. Filed July 31, 1924. Serial No. 200,789.

SYMINGTON

Particular description of goods.—Journal Boxes.
Claims use since October, 1908.

189,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. ASCHER SILK CORPORATION, New York, N. Y. Filed Aug. 2, 1924. Serial No. 200,839.

FAILLE SATIN

Particular description of goods.—Goods in the Piece of Silk, Artificial Silk, Wool, Cotton, and Combinations Thereof.
Claims use since June, 1923.

LABELS

REGISTERED SEPTEMBER 16, 1924.

27,840.—*Title:* AER CEL. For Towel Sets. CAPITAL KNITTING CO., Waterford, N. Y. Published June 1, 1924.

27,841.—*Title:* EAU DE QUININE FINE AUX FLEURS DE FRANCE. For Quinine Water. GEORGES L. COURTOIS, New York, N. Y. Published August 1, 1924.

27,842.—*Title:* PIC-NIC-PAK. For Paper Napkins and Paper Table Covers. DANIELS MANUFACTURING COMPANY, Rhinelander, Wis. Published February 18, 1924.

27,843.—*Title:* SUPERIOR. For Canned Tuna Fish. FRANCO ITALIAN PACKING CO., INC., East San Pedro, Calif. Published January 7, 1924.

27,844.—*Title:* 4 U (FOR YOU). For Fresh Apples. FREI BROS., Sebastopol, Calif. Published May 20, 1924.

27,845.—*Title:* UNCLE SAM'S BIG DANDY WONDER BOX. For a Box Containing Pictures, Puzzles, Novelties. JAMES G. HENDERSON, Cincinnati, Ohio. Published June 10, 1924.

27,846.—*Title:* DIAMOND H LINE LACE VALENTINE OUTFIT. For a Box Containing Material for Making Valentines. JAMES G. HENDERSON, Cincinnati, Ohio. Published June 10, 1924.

27,847.—*Title:* SUPERIOR. For Fresh Pears. L. F. HUGHES, Littlerock, Calif. Published February 11, 1924.

27,848.—*Title:* LA FRANCE. For Laundry Tablets. LA FRANCE MANUFACTURING CO., Philadelphia, Pa. Published July 2, 1924.

27,849.—*Title:* BAMBINA. For Hair-Tonic Tablets. HARRY B. LOMBARD, doing business as Bambina Co., Lynn, Mass. Published August 14, 1924.

27,850.—*Title:* PURITAN EGGS. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to F. J. Schafer & Co., Detroit, Mich. Published July 10, 1924.

27,851.—*Title:* CHAPMAN'S CRYSTAL SPRINGS BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Chapman Company, Cleveland, Ohio. Published July 21, 1924.

27,852.—*Title:* CERTIFIED CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Southern Creamery Co., Muskogee, Okla. Published June 26, 1924.

27,853.—*Title:* FIRST PRIZE CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Rochester Packing Co., Rochester, N. Y. Published July 11, 1924.

27,854.—*Title:* LUCKY CLOVER CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Cloverleaf Creameries Co., New York, N. Y. Published July 12, 1924.

27,855.—*Title:* HOM-AID BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Saylars Steam Bakery, Tamaqua, Pa. Published July 14, 1924.

27,856.—*Title:* HARVEST MOON. For Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published August 12, 1924.

27,857.—*Title:* PRINCESS NUTS AND FRUITS. For Candy. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published August 14, 1924.

27,858.—*Title:* VELVET ORANGEADE. For a Beverage. FRANK W. MOORE, Los Angeles, Calif. Published August 6, 1924.

27,859.—*Title:* COLUMBIA LANTERN BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published August 1, 1924.

27,860.—*Title:* CANDY FOR MOTHER. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,861.—*Title:* TO MY VALENTINE. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,862.—*Title:* EASTER CANDY. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,863.—*Title:* HALLOWE'EN CANDY. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,864.—*Title:* THANKSGIVING CANDY. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,865.—*Title:* CHRISTMAS CANDY. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,866.—*Title:* YOUR SUNDAY CANDY. For Candy. NATIONAL CONFECTIONERS' ASSOCIATION, St. Louis, Mo. Published June 1, 1924.

27,867.—*Title:* M-F-G. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,868.—*Title:* MILTON F. GOODMAN. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,869.—*Title:* BIG YANK JUNIOR. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,870.—*Title:* BLACK BEAUTY. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,871.—*Title:* KAPTAIN KHAKI. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,872.—*Title:* BIG YANK. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,873.—*Title:* BIG SIX (IN DIAMOND). For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,874.—*Title:* BIG YANK COAT. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,875.—*Title:* BIG YANK FLANNEL. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,876.—*Title:* SENTINEL. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,877.—*Title:* DYNAMO SPECIAL. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,878.—*Title:* ARMY. For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,879.—*Title:* ARMY (FLANNEL). For Work Shirts. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published May 9, 1924.

27,880.—*Title:* QUEEN QUALITY. For Mayonnaise Dressing. JOSEPH SIEGEL & SON, Rankin, Pa. Published June 9, 1924.

27,881.—*Title:* GOODIE CAKE. For Cakes. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.

27,882.—*Title:* DOUBLE LOAF. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published June 10, 1924.

27,883.—*Title:* FIFTY-FIFTY. For Cigars. J. C. WINTER & CO., Red Lion, Pa. Published August 7, 1924.

PRINTS

REGISTERED SEPTEMBER 16, 1924.

7,584.—*Title:* MOTORMATES. For Gasoline and Motor Oil. ASSOCIATED OIL COMPANY, San Francisco, Calif. Published August 8, 1924.

7,585.—*Title:* THE GREATEST NEED OF THE GROWING CHILD—ENERGY! For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 15, 1924.

7,586.—*Title:* WHAT'S OVER YOUR HEAD? ROOFING IS A BUSINESS. For Roofing. ALVIN K. GOODMUNDSON, Oakland, Calif. Published May 21, 1924.

7,587.—*Title:* PIPE YOUR PIPE TROUBLES. For Leader Pipes and Roofs. J. CHARLTON MCCURDY, Newark, N. J. Published July 10, 1922.

7,588.—*Title:* TRUSSES. For Trusses, Supporters, and Similar Devices. THE OHIO TRUSS CO., Cincinnati, Ohio. Published July 15, 1924.

7,589.—*Title:* OUR CHARLEY. For Candy. J. D. ROSZELL COMPANY, Peoria, Ill. Published June 19, 1924.

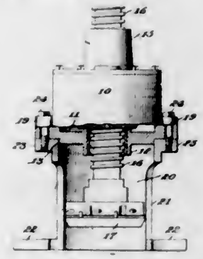
7,590.—*Title:* COMET RICE. For Rice. SEABOARD RICE MILLING CO., Galveston, Tex., and New York, N. Y. Published July 1, 1924.

7,591.—*Title:* HOWDY' DO? For Automotive-Vehicle Service-Station Supplies and Facilities. J. L. TANNER, Chicago, Ill. Published August 11, 1924.

REISSUES

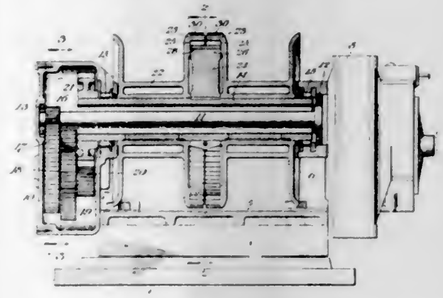
SEPTEMBER 16, 1924.

15,916. CYLINDER-REBORING MACHINE. FREDERICK T. FLINCHBAUGH, York, Pa., assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed May 12, 1924. Serial No. 712,886. Original No. 1,483,061, dated Feb. 5, 1924, Serial No. 430,640, filed Dec. 14, 1920. 5 Claims. (Cl. 77—2)



1. In a cylinder reboring machine, the combination with a gear case carrying a boring head and having an annular shoulder concentric with said head; of a base having a bore coincident with said annular shoulder and adapted to be attached to an engine cylinder, ears on said gear case and bolts engaging with said ears and threaded in said base for securing the gear case and base together; and a second base having a bore of larger diameter than said first base, an adapter intended to be inserted between said second base and said gear case and having a bore of the same diameter as said first base and a seat of the same diameter as the second base adapted to fit the bore thereof; means for rigidly securing said adapter to said second base, and tapped apertures provided in said adapter for said bolts, whereby the gear case may be shifted from said first base to said second base and attached to said adapter, substantially as set forth.

15,917. REVERSIBLE DRUMS. ARTHUR H. SKAER, THEODORE E. BARKER, and OMAR E. CLARK, Denver, Colo., assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed July 29, 1924. Serial No. 728,989. Original No. 1,458,554, dated June 12, 1923, Serial No. 587,893, filed Sept. 12, 1922. 10 Claims. (Cl. 254—185.)

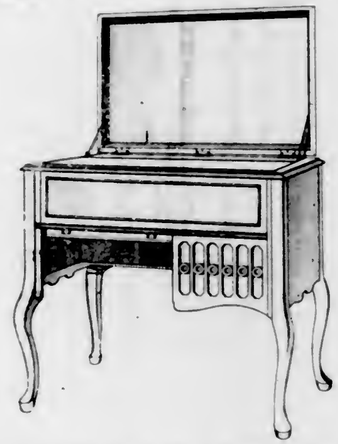


1. The combination with a pair of oppositely rotatable driven members having internal inset oppositely disposed ratchet teeth, of a driving member common to the driven members and rotatable in opposite directions, and a pawl member rotatable with the driving member and pivoted thereon on an axis substantially parallel to the axis of rotation of the driving member, said pawl member having oppositely disposed teeth that respectively engage the internal ratchet teeth of the driven members accordingly as the driving member is rotated in one direction or the other, and said pawl member having a pivotal movement beyond the limits defined by the ratchet teeth to secure a toggle or wedging action.

DESIGNS

SEPTEMBER 16, 1924.

65,598. RADIODESK. JOHN L. ANEN, Chicago, Ill. Filed May 28, 1924. Serial No. 9,723. Term of patent 3½ years.



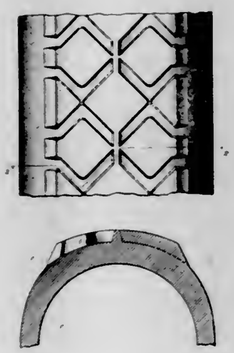
The ornamental design for a radiodesk, as shown.

65,599. TRADING STAMP. RAYMOND BARRIER, Lubbock, Tex. Filed Mar. 20, 1924. Serial No. 9,004. Term of patent 7 years.



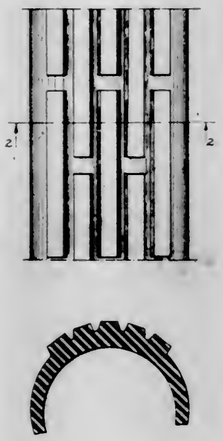
The ornamental design for a trading stamp, as shown.

65,600. RUBBER TIRE. ARTHUR REID COLVIN, Bloomfield, N. J., assignor to The Combination Rubber Mfg. Co., Bloomfield, N. J., a Corporation of New Jersey. Filed Mar. 8, 1924. Serial No. 8,869. Term of patent 14 years.



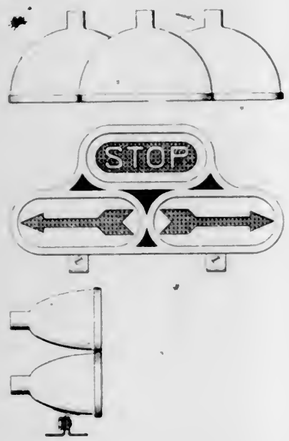
The ornamental design for a rubber tire, as shown.

65,601. TIRE. FRANK J. DOUGHERTY, Milwaukee, Wis., assignor to the Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1922. Serial No. 3,800. Term of patent 14 years.



The ornamental design for a tire substantially as shown.

65,602. DIRECTION-SIGNAL-LAMP CASING. EARL C. GIRE, Whittier, Calif. Filed Oct. 18, 1922. Serial No. 4,018. Term of patent 3½ years.



The ornamental design for a direction signal lamp casing, as showu.

65,603. LIGHTING FIXTURE. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 10, 1924. Serial No. 10,109. Term of patent 14 years.



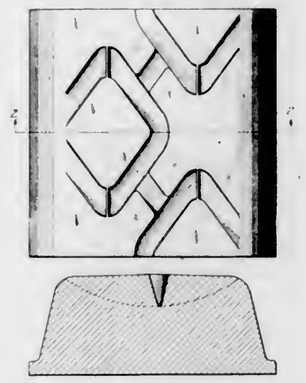
The ornamental design for a lighting fixture as shown.

65,604. LIGHTING UNIT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 10, 1924. Serial No. 10,110. Term of patent 14 years.



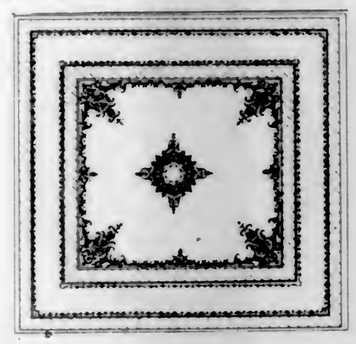
The ornamental design for a lighting unit as shown.

65,605. TIRE TREAD. ALBERT HABGRAVES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 10, 1924. Serial No. 10,115. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

65,606. BOX-COVER PAPER. WILLIAM PARKE JOHNSON, Lincoln Park, N. J., assignor to The Fiberloid Corporation, Springfield, Mass., a Corporation of Massachusetts. Filed May 21, 1924. Serial No. 9,691. Term of patent 3½ years.



The ornamental design for box cover paper as shown and described.

65,607. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,242. Term of patent 7 years.



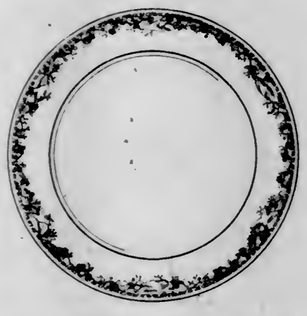
The ornamental design for a plate or similar article, as shown.

65,608. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,243. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

65,609. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,244. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

65,610. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,245. Term of patent 7 years.



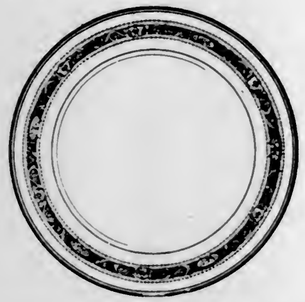
The ornamental design for a plate or similar article, as shown.

65,611. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,247. Term of patent 7 years.



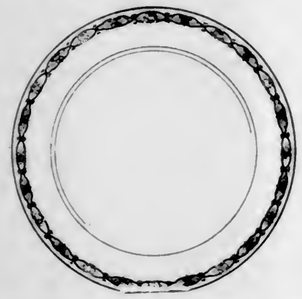
The ornamental design for a plate or similar article, as shown.

65,612. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,248. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

65,613. PLATE OR SIMILAR ARTICLE. HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,249. Term of patent 7 years.



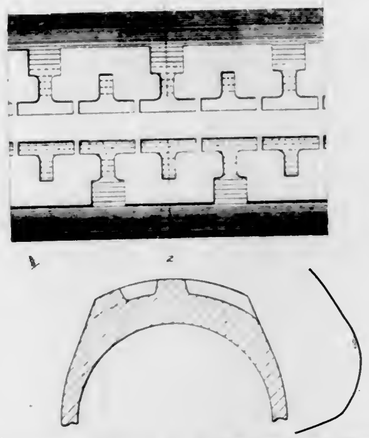
The ornamental design for a plate or similar article, as shown.

65,614. BATH HOOD. WILBERT B. MCCOY, Cleveland, Ohio. Filed Aug. 7, 1922. Serial No. 3,304. Term of patent 3½ years.



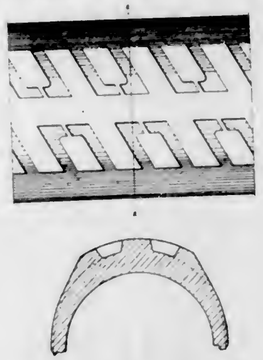
The ornamental design for a bath hood, as shown.

65,615. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio. Filed May 18, 1923. Serial No. 6,181. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

65,616. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio. Filed May 18, 1923. Serial No. 6,196. Term of patent 14 years.



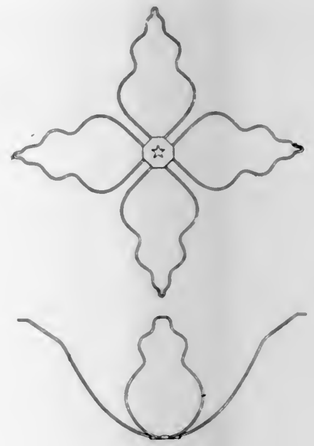
The ornamental design for a tire tread, as shown.

65,617. ARTIFICIAL PLANT. CHARLES SCHUSTER, New York, N. Y. Filed Mar. 7, 1922. Serial No. 1,070. Term of patent 3½ years.



The ornamental design for an artificial plant, as shown.

65,618. GUARD FOR ELECTRIC HEATERS. ALVA THOMAS SMITH, Winsted, Conn. Filed Aug. 14, 1923. Serial No. 7,004. Term of patent 3½ years.



The ornamental design for a guard for electric heaters, as shown.

65,619. HOSIERY EXHIBITOR. FRED J. STEIGER, Tulsa, Okla. Filed Nov. 22, 1923. Serial No. 7,850. Term of patent 3½ years.



The ornamental design for a hosiery exhibitor, as shown.

65,620. METAL STRIP OR SIMILAR ARTICLE OF MANUFACTURE. DAVID STOLL, New York, N. Y. Filed Apr. 6, 1925. Serial No. 5,709. Term of patent 3½ years.



The ornamental design for a metal strip or similar article of manufacture as shown and described.

65,621. WRIST WATCHCASE. LEOPOLD STRASSER, New York, N. Y. Filed May 2, 1924. Serial No. 9,463. Term of patent 3½ years.



The ornamental design for a wrist watchcase as shown.

65,622. WRIST WATCHCASE. LEOPOLD STRASSER, New York, N. Y. Filed May 2, 1924. Serial No. 9,464. Term of patent 3½ years.



The ornamental design for a wrist watchcase as shown.

65,623. WRIST WATCHCASE. LEOPOLD STRASSER, New York, N. Y. Filed July 10, 1924. Serial No. 10,104. Term of patent 3½ years.



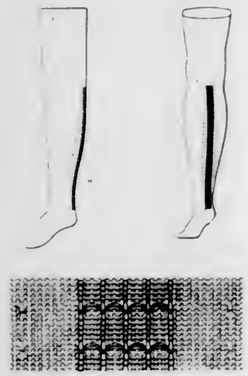
The ornamental design for a wrist watchcase as shown.

65,624. WRIST WATCHCASE. LEOPOLD STRASSER, New York, N. Y. Filed July 10, 1924. Serial No. 10,105. Term of patent 3½ years.



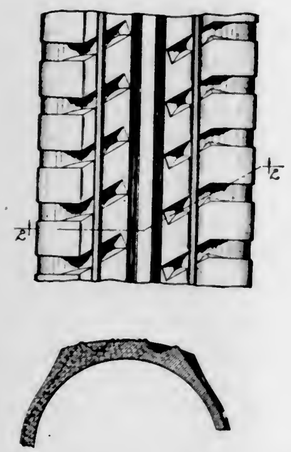
The ornamental design for a wrist watchcase as shown.

65,625. STOCKING. EDWARD C. TAUBEL, Norristown, Pa. Filed Aug. 28, 1922. Serial No. 3,587. Term of patent 3½ years.



The ornamental design for a stocking, as shown.

65,626. TIRE TREAD. CHARLES J. VENN, Chicago, Ill., assignor to Century Rubber Works, Cicero, Ill., a Corporation of Illinois. Filed June 16, 1924. Serial No. 9,878. Term of patent 14 years.



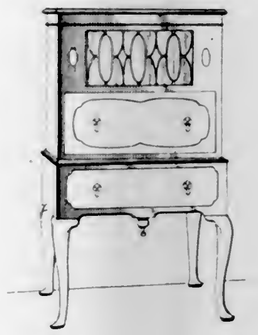
The ornamental design for a tire tread, substantially as shown.

65,627. RUG. ALGERMONT H. WALDO, St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y., a Corporation of New York. Filed June 14, 1924. Serial No. 9,869. Term of patent 3½ years.



The ornamental design for a rug, as shown.

65,628. CABINET FOR A RADIO SET. WILLIAM ZAISER, Brooklyn, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed May 21, 1924. Serial No. 9,668. Term of patent 7 years.



The ornamental design for a cabinet for a radioset substantially as shown.

PATENTS

GRANTED SEPTEMBER 16, 1924.

1,508,375. MAGAZINE PENCIL. MAURICE ALLAND, Atlantic City, N. J. Filed Dec. 6, 1923. Serial No. 678,854. 4 Claims. (Cl. 120—21.)



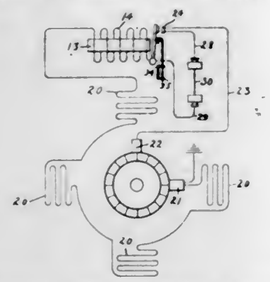
1. In a pencil, the combination of a casing having an outlet, a removable channelled magazine member within said casing providing a shoulder in the neighborhood of said outlet, a plurality of radially yielding fingers comprising a unitary part of said casing and adapted to surround a lead extending from said member and through said outlet, said fingers jointly having an enlarged bore terminating in a circumferential shoulder in one direction, a sleeve frictionally carried by a lead and movable within said bore between the limits set by said shoulders, to automatically predetermine the extent that the lead shall extend from said casing, an auxiliary member having an aperture through which the lead projects and provided with inner converging walls, and threaded means to removably secure said last-named member upon and as a continuation of said casing, said fingers being contracted upon and operative to normally prevent the inward movement of the lead as said last-named member is screwed upon said casing.

1,508,376. FUSIBLE LINK. CHARLES ADAMS, Jr., Weehawken, N. J., assignor of one-half to Sydney F. Weston, New York, N. Y. Filed Mar. 15, 1920. Serial No. 365,843. 7 Claims. (Cl. 169—42.)



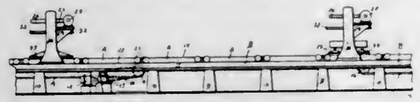
1. In a fusible-link, a pair of plates, each plate being provided with a lug member and with an aperture therethrough near the lug member; the lug member being open at its base and end and having outwardly converging sides; the plates being arranged in face to face relation to form the link, the lug member of one plate engaging in the aperture of the other plate and tending to press the plates apart; and a rivet of fusible solder passing through the lug member of each plate and the aperture of each plate and having heads formed over the base and over the end of the lug member for retaining the plates in assembled relation.

1,508,377. COMBINED REGULATOR AND FUSE FOR GENERATORS. FRED ALLISON, Highland Park, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Michigan. Filed May 19, 1921. Serial No. 470,960½. 3 Claims. (Cl. 171—229.)



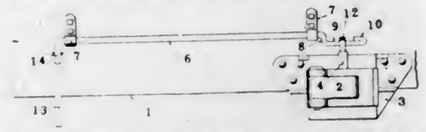
1. A regulating device comprising in combination, a fusible resistance element adapted to be connected in the field circuit of a generator, and means operated in accordance with a characteristic of the generator for varying the effective value of said resistance element.

1,508,378. GLASS-GRINDING MACHINERY. EDWARD T. BROWN, Detroit, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Michigan. Original application filed Feb. 16, 1920, Serial No. 358,979. Divided and this application filed May 16, 1921. Serial No. 470,093. 5 Claims. (Cl. 51—120.)



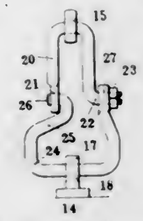
1. In the art of surfacing glass, and wherein the glass sheet is moved in a definite horizontal path beneath a fixedly-positioned instrumentality; a carrier for the glass-sheet and tracks on and between which it moves; a frame supported outside the tracks and extending over the carrier travel path; a surfacing unit mounted in the frame within spaced-apart upper and lower bearings, said unit including a surfacing element operating within the space below the lower bearing, and a shaft for rotating the surfacing element with the shaft mounted in the bearings; means for rotating the shaft and including a motor supported on the frame and having operating connections with the shaft within the space between said bearings; and unit-supporting and surfacing element positioning means operative to produce controllable gravity-pressure of the surfacing element on the sheet, said latter means including a rotatable adjusting element concentric with the shaft and positioned between the motor-operating connections and the lower bearing.

1,508,379. COUPLER-RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo. Filed Sept. 23, 1922. Serial No. 590,062. 3 Claims. (Cl. 213—168.)



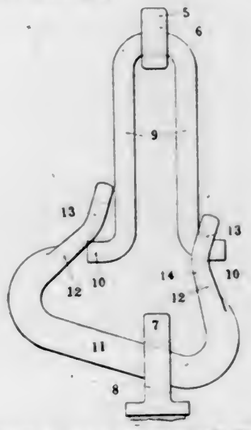
1. In a device of the class described, the combination with a coupler head having a lock pin of an actuating rod rotatably mounted, an operating arm carried by said rod, said arm and lock pin operatively connected to have relative movement both longitudinally and laterally in a horizontal plane, but to move in unison vertically and a handle for said actuating rod having movement relative thereto, whereby said handle may return to normal position when the lock pin is in raised position.

1,508,380. COUPLER-RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo. Filed June 22, 1923. Serial No. 646,994. 6 Claims. (Cl. 213—166.)



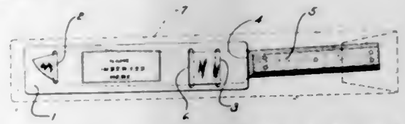
1. In a device of the class described, the combination with a coupler lock-pin, of an actuating arm therefor, and a connector extending between said pin and arm and comprising two parts pivoted together to move in a vertical longitudinal plane, the lower part of said connector being supported at both ends at a point between the pin and arm.

1,508,381. COUPLER-RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo., assignor to Railway Devices Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 15, 1923. Serial No. 668,501. 9 Claims. (Cl. 213—170.)



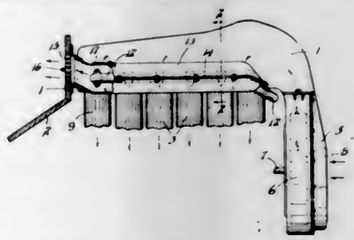
5. In a device of the class described, the combination with an operating arm, of a lock pin, and a two-part connector extending between the said arm and pin, the upper part of said connector comprising a loop with outwardly projecting trunnions, and the lower part comprising an elongated loop having bearings adapted to be sprung into engagement with said trunnions.

1,508,382. KNIFE PROTECTOR. GEORGE E. CHATILLON, New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Mar. 13, 1923. Serial No. 624,728. 1 Claim. (Cl. 206—46.)



A knife blade protector comprising a flexible flat body of a width greater than the knife blade, having spaced transverse slots therein through which said blade may be inserted by flexing the body to hold the blade at spaced portions adjacent the handle and the tip respectively, the end of said body adjacent the handle being shaped to abut against the same as a stop, and the other end of said body extending beyond the point of said blade.

1,508,383. AUTOMOBILE HEATER. JOHN DENSLEY, Minneapolis, Minn. Filed Jan. 10, 1923. Serial No. 611,761. 5 Claims. (Cl. 237—123.)



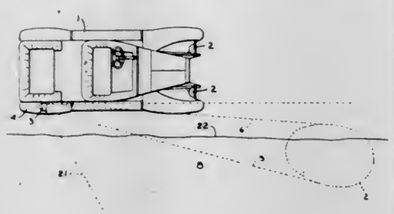
5. The combination with an automobile having a lower casing disposed about the cylinders of the engine thereof, of an auxiliary casing surrounding the manifold and the exhaust pipes which connect the cylinders with the manifold, having communication with the blower casing through apertures therein about said exhaust pipes, and an air delivery means extending into the body of the automobile whereby air heated within the blower casing by the cylinders will pass for further heating over the several exhaust pipes and the manifold.

1,508,384. HASP. SYLVESTER A. IDRAKE, Jamestown, N. Y. Filed Aug. 6, 1921. Serial No. 490,262. 1 Claim. (Cl. 292—285.)



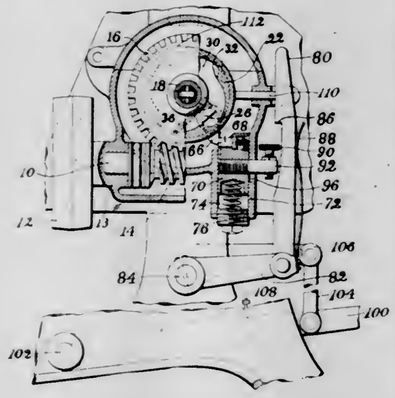
A hasp comprising a body portion, a tongue hingedly secured thereto and provided with a staple receiving slot, an attaching plate, a centrally located outwardly offset beveled portion provided in the attaching plate and defining a journal, a similarly shaped portion extending outwardly from the body portion of the hasp and defining a bearing socket within the inner face of said body portion to receive the journal attaching plate and a pivot extending concentrically through the journal and bearing.

1,508,385. AUTOMOBILE LIGHTING SYSTEM. HENRY P. J. EARNSHAW, Northboro, Mass., assignor to George F. Earnshaw, Glencoe, Ill. Filed Dec. 11, 1920. Serial No. 430,024. 1 Claim. (Cl. 240—7.1)



The combination with an automobile having the usual front and rear fenders, of a projecting lamp mounted on the right rear fender and situated in the rear of the driver, said lamp operating to throw a beam of light from behind the driver and across the right front fender, said beam of light being entirely on the right of the driver, and in a vertical plane substantially parallel to the direction of movement of the automobile thereby to produce a brightly illuminated area in front of and directly outside the line of travel of the automobile, the shadow of the right front fender forming the left side of said brightly illuminated area, said lamp being so situated with reference to the automobile body that the road area directly in front of the automobile will be in the shadow thereof whereby said lamp is not visible to anyone directly in front of the automobile.

1,508,386. DRIVING MECHANISM FOR POWER-OPERATED MACHINES. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 15, 1918, Serial No. 228,544. Divided and this application filed Feb. 26, 1919. Serial No. 279,351. 10 Claims. (Cl. 192—29.)



5. The combination with a driving member and a driven member, of a clutch comprising cooperating parts, one part of which is a running fit on one of said members and may be connected to rotate therewith or may be disconnected to rotate thereon, the other part of which is secured to the other member, one of said parts being provided with a shoulder, a rotatable key carried by the other part, and means for rotating said key into engagement with said shoulder, whereby the parts of said clutch are rigidly connected.

1,508,387. METHOD OF FORMING RING GEARS. JOHN J. FINDLATER, Highland Park, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 19, 1923. Serial No. 675,652. 1 Claim. (Cl. 29—159.)



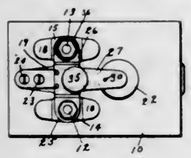
The method of forming ring gears consisting of cutting strip stock to lengths, then forming the lengths to approximately the desired shape, then welding the ends of the lengths together to form a continuous ring, then shearing the flash from the weld, and then generating the teeth in the blank so formed, the teeth being generated in the blank in such position that the wearing surface of the teeth will not be formed by the welded portion of the length of stock.

1,508,388. CHAIR. EMORY FINDLEY, Peoria, Ill. Filed Apr. 5, 1923. Serial No. 630,027. 4 Claims. (Cl. 155—144.)



1. In a chair the combination of a pair of main frame members, a pair of leg members pivotally mounted thereon, a back pivotally mounted to the frame members and to a seat, a seat, links connecting the seat with the main frame members; and second links connecting the first links with the main frame members.

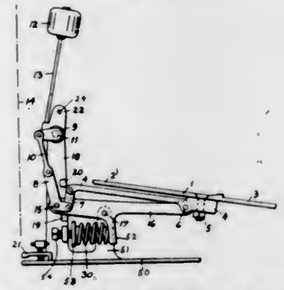
1,508,389. VIBRATOR ASSEMBLY FOR ELECTRICAL CIRCUITS. JOSEPH GALAMB, Detroit, Mich., assignor to Ford Motor Company, Highland Park, Mich., a Corporation of Delaware. Filed Jan. 3, 1921. Serial No. 434,630. 4 Claims. (Cl. 200—66.)



1. In a device of the character described, a support, a base member having an arched portion, a bridge member secured to the base and insulated therefrom, said bridge having an arched portion, a reed mounted on the arched portion of the base, and contact devices mounted on portions of the bridge whereby the bridge and base may be primarily formed and assembled together to properly position the reed and contact devices relative to the support and the final adjustment after the assembly has been secured to the support, by slight flexing of the bridge and base members to the necessary positions.

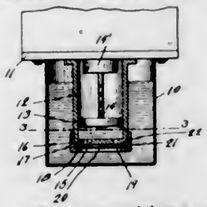
4. In a device of the class described, a support, spaced rods extending therefrom, a base member having ears with openings therein to receive said rods, said base member having rearward extensions therefrom, a bridge member having ears with openings therein to receive said rods, said bridge member having a forward extension, a contact secured to said forward extension, and a reed member mounted on the rearward extension of the base and extending to position below the end of said forward extension on the bridge, and a contact on said reed in position to co-act with the contact on said bridge member.

1,508,390. DOUBLE-ACTION BASS-DRUM PEDAL. WILLIAM DAVID GLADSTONE, New York, and EMIL KEN, Springfield Gardens, N. Y. Filed June 28, 1922. Serial No. 571,429. 22 Claims. (Cl. 84—422.)



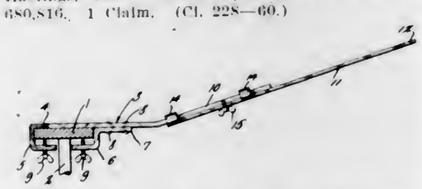
1. A foot operated bass drum beating apparatus comprising a foot pedal pivotally mounted intermediate its ends upon a horizontal axis, a beater, means for swinging said beater into contact with the drum head when said pedal is oscillated in either direction upon its horizontal axis, by the pressure of either the toe or the heel of the performer.

1,508,391. RETARDATION DEVICE. TALMA T. GREENWOOD, Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed May 5, 1920. Serial No. 379,158. 6 Claims. (188—94.)



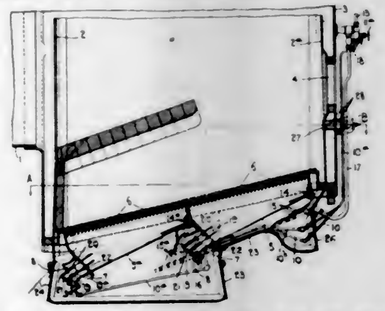
1. A retardation device comprising a cylinder, a piston operable therein, and a valve governing the fluid communication with said cylinder, said valve normally biased toward open position and constructed and arranged to be actuated by an unbalanced fluid pressure acting on it to reduce the flow of fluid through it as a function of the unbalanced fluid pressure.

1,508,392. LADDER BRACKET. WILLIAM MATT HEUN, Hastings, Nebr. Filed Sept. 4, 1923. Serial No. 660,816. 1 Claim. (Cl. 228—60.)



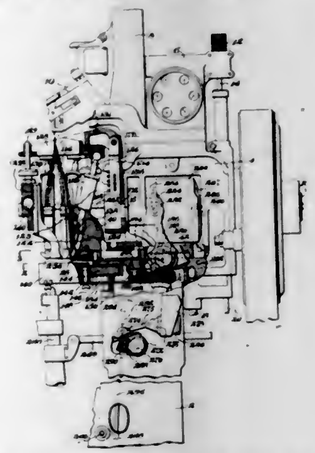
A ladder prop comprising a main member, provided at its inner end with an extension disposed at right angles to said member, the extension being provided with an inwardly extended jaw adapted to engage one edge of a ladder stile, and a second inwardly projecting jaw, adapted to engage the opposite edge of a ladder stile, the second jaw being mounted on the main member, the jaws being spaced apart transversely to cause them to engage the respective edges of a ladder stile at different elevations, the inner ends of the jaws being spaced apart in the direction of the length of the jaws, to clear a ladder rung when the device is adjusted longitudinally of a ladder stile.

1,508,393. METHOD OF AND APPARATUS FOR FIRING THE FURNACES OF STEAM GENERATORS AND OTHER FURNACES. JOSEPH ALBERT HILL, deceased, late of Darley Dale, England, by Mrs. Sarah Ann Hill, executrix. Filed Jan. 3, 1923. Serial No. 610,541. 6 Claims. (Cl. 110—22.)



6. In a furnace, the combination, with the parts set forth in claim 1, of bell-mouthed fittings secured around the openings at the rear ends of the conduits, and the said means for forcing steam and air into the conduits comprising tubular injectors arranged in the bell-mouthed fittings and having central air passages.

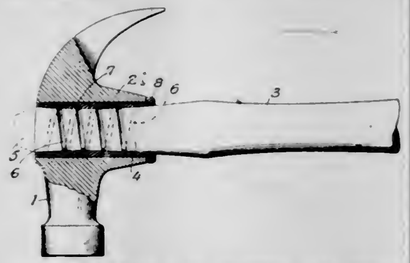
1,508,394. FASTENING-INSERTING MACHINE. CHARLES H. HOYT, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 28, 1920. Serial No. 354,726. 56 Claims. (Cl. 12—17.)



34. In a machine of the class described, the combination with means for supporting a last and shoe materials including an outsole, of a plurality of fastening inserting mechanisms arranged for inserting fastenings along the margin of the heel seat end of the outsole and relatively movable to position the fastenings, each of said fastening inserting mechanisms having means

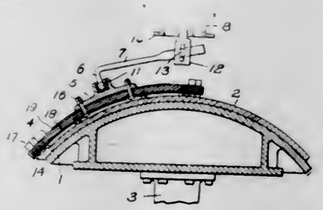
thereon for engaging the margin of the outsole and applying thereto conforming pressure over the heel seat face of the last, and means for effecting relative movement between said mechanisms and the shoe in the direction of the height of the shoe for subjecting the sole to such pressure.

1,508,395. IMPLEMENT HANDLE AND INSERT THIMBLE. HARRY S. ISHAM, Belmar, N. J., assignor, by direct and mesne assignments, to Heller Brothers Company, Newark, N. J., a Corporation of New Jersey. Filed Aug. 14, 1923. Serial No. 657,404. 3 Claims. (Cl. 306—20.)



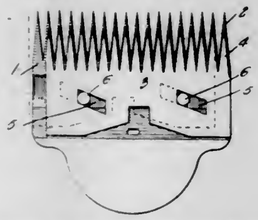
1. The combination of an implement head member provided with an eye, and a handle member having an end smaller than said eye and inserted therein, of an elastic cushion between said handle end member and said implement head member, said handle member having undercut grooves about its surface, portions of said elastic cushion extending into said undercut grooves.

1,508,396. RUNNER FOR GRINDING CURVED-GLASS SURFACES. ALBERT F. JOHNSTON, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, Ford City, Pa., a Corporation. Filed Dec. 13, 1920. Serial No. 430,141. Renewed Feb. 6, 1924. 7 Claims. (Cl. 51—195.)



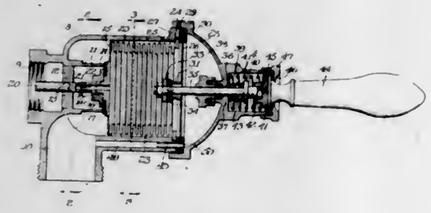
1. In combination, a runner for use upon a curved surface, comprising a spindle, and a weighted flexible member carried thereby adapted to conform itself to the curved surface.

1,508,397. HAIR CLIPPERS. WINFIELD LINCOLN JORDAN, Chicago, Ill. Filed Oct. 16, 1923. Serial No. 668,883. 4 Claims. (Cl. 30—1.)



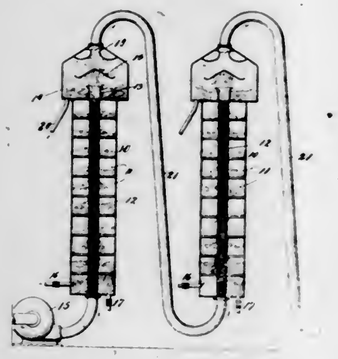
1. In a clipper of the class described superposed blades having cooperating saw teeth, one of said blades having diagonally disposed slots and the other studs extending into said slots whereby on the reciprocation of the movable blade a continuous straight draw cut of the teeth will be effected throughout the entire stroke of the blade.

1,508,398. FLUSH VALVE. JAMES W. KELLY, Chicago, Ill. Filed Sept. 25, 1922. Serial No. 590,343. 1 Claim. (Cl. 137—93.)



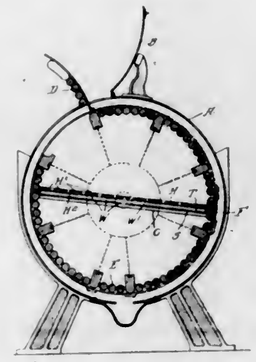
A flush-valve comprising a casing containing an inlet and an outlet, a bellows-chamber having end walls located between, and in spaced relation to, the end walls of the casing, one of said end walls of said bellows-chamber being movable and the other containing an outlet for said chamber communicating with the space between said last referred to end wall and the adjacent end wall of said casing, a valve operatively connected with said movable wall and controlling communication between the inlet and outlet of said casing, said bellows-chamber containing an inlet in communication with said casing inlet, a valve controlling the outlet of said bellows-chamber, said casing containing a housing at one end thereof into which the stem of said last named valve extends, a stuffing-box located in said space in said casing and in which said stem is reciprocable, a spring in said housing yieldingly pressing said last named valve to its seat, and means for actuating said last named valve extending into said housing.

1,508,399. APPARATUS FOR PRODUCING GAS FROM LIQUID IN A COLD STATE. JOHN KOHUT, Boonton, N. J. Filed Feb. 20, 1924. Serial No. 693,958. 5 Claims. (Cl. 183—24.)



1. An apparatus for producing gas from liquid comprising a comparatively long tank containing liquid in cold state, a finely perforated tube extending throughout and communicating through its perforations with said tank and means for forcing a current of air through said tube, whereby small particles of liquid are drawn gradually fom said tank into and along with the current of air and become evaporated therein.

1,508,400. WASHING MACHINE. CARL G. KRONMILLER, Chicago, Ill., assignor to Troy Laundry Machinery Co. Ltd., Chicago, Ill., a Corporation of New York. Filed Jan. 17, 1921. Serial No. 437,695. 7 Claims. (Cl. 8—8.)

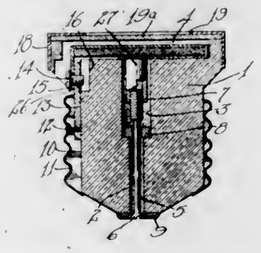


6. A washing machine comprising a cylinder, a removable unloading shelf within said cylinder, static discharge wiring incorporated with said shelf, a door for said cylinder, means for holding said shelf in position regardless of the position of said door and means for grounding said wiring upon said machine when said shelf is in position in said machine.

1,508,401. PHARMACEUTICAL PRODUCT. WALTER KROPP and LUDWIG TAUB, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Oct. 15, 1923. Serial No. 668,738. 1 Claim. (Cl. 260—33.)

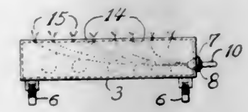
The herein described compound consisting of phenylethylbarbituric acid and 4-dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolon, the compound having a whitish coloration, soluble in alcohol, melting at 132° C. having strong analgetic and soporific properties, substantially as described.

1,508,402. RENEWABLE FUSE PLUG. SYLVESTER KUNJAK, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,363. 2 Claims. (Cl. 200—130.)



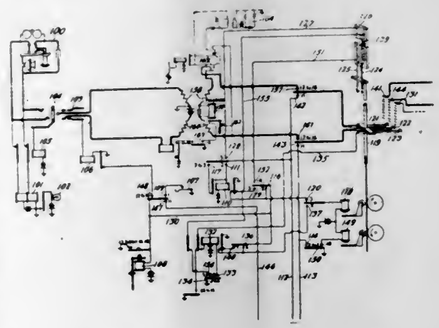
1. A device of the character described comprising a body member having a cavity in the top wall thereof, a bore extending vertically through said body member and communicating at its upper end with said cavity, a pair of fuse terminals, one of said terminals being disposed within said bore, but not exposed in said cavity, and a fusible element, one terminal of which is adapted to be connected to the terminal in said body member that is disposed within the bore, and the other terminal of which is connected to the remaining terminal on said body member.

1,508,403. COAL IGNITER. JOHN T. C. LOMBARDI, Brooklyn, N. Y., assignor to Hansen & Lombardi, a Partnership composed of Edward J. Hansen and John T. C. Lombardi, both of Brooklyn, N. Y. Filed Jan. 30, 1924. Serial No. 689,432. 3 Claims. (Cl. 158—10.)



1. A long and straight mixing chamber for illuminating gas and air having a triangular cross section, an end inlet through which the gas escapes directly into said mixing chamber in a longitudinal direction at a high velocity dragging the air with it through passages in direct communication with the atmosphere, the gas mixture being free to expand unobstructed longitudinally in said chamber causing whirls to be set up in the entire length of said elongated mixing chamber prior to the discharge through flame holes provided at the apex of the triangular cross section.

1,508,404. TELEPHONE EXCHANGE SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1917. Serial No. 180,595. 8 Claims. (Cl. 179—27.)

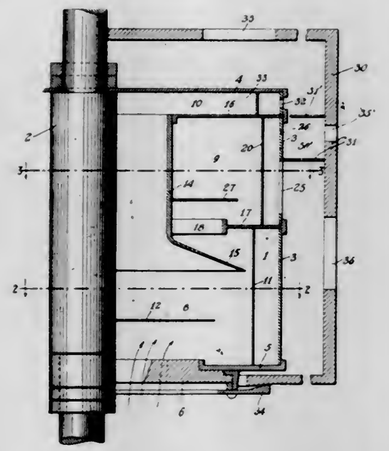


1. In a telephone system, an originating office, a terminating office, a trunk line extending between said offices, an impulse transmitting device, switching means controlled by said impulse transmitting device for connecting the device to said line, a variably operable indicating device operable in response to impulses over two sides of said line in series, means for disabling said impulse transmitting device until said indicating device is in condition to operate, and manually operable means for conditioning said indicating device to respond to said impulse transmitting device.

1,508,405. METHOD AND MEANS FOR SEPARATING GASES OR THE LIKE. EDOARDO NATALE MAZZA, Turin, Italy, assignor, by mesne assignments, to The A. F. Syndicate, New York, N. Y. Filed July 9, 1920. Serial No. 395,029. Renewed July 19, 1924. 12 Claims. (Cl. 183—77.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

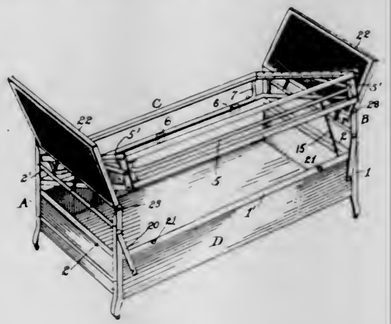
2. The process of separating constituents of a mixture of gases or of gas with other substances which comprises subjecting the mixture to centrifugal force by rotating the same to separate it into portions having different specific gravities, leading off one of said portions to separate it from another of said portions which has a differ-

ent specific gravity, subjecting said last named portion to further centrifugal force by maintaining the same in rotation and simultaneously causing it to flow at a high velocity in a sharply curved path to separate the same



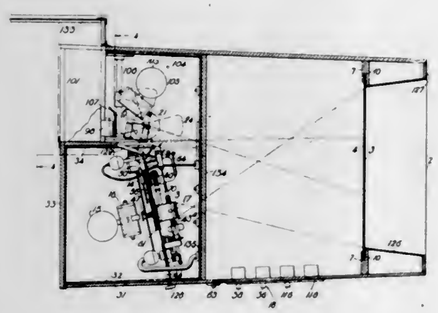
into portions having different specific gravities, and subjecting the one of the last named portions which has the greatest specific gravity to further centrifugal action to separate portions thereof of different specific gravities.

1,508,406. CONVERTIBLE BED. SALVATORE NICOLOSI, New York, N. Y. Filed June 17, 1920. Serial No. 389,600. 1 Claim. (Cl. 5—29.)



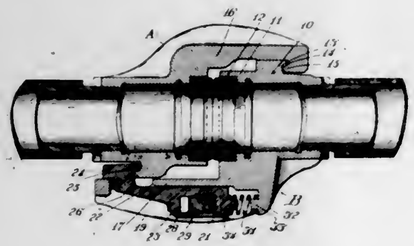
A convertible bed structure comprising framework consisting of a pair of connected end frames, a receptacle supported thereby, a pair of swinging main spring mattress sections normally superimposed one above the other to form a single bed and forming a closure for the receptacle, the lower of said sections having a hinged connection along one side edge thereof with said framework, an intermediate spring mattress section spacing and hinge-connecting the two main mattress sections along the opposite side edge of the lower section, whereby all of said sections may be swung in one direction to permit access to the receptacle and the top main section swung in the opposite direction and reversed to form with the lower main section and intermediate section a double bed, a pair of pivotally supported adjustable head rests shiftable away from each other on the swinging of the mattress sections, and springs for returning said head rests to their normal position.

1,508,407. TYPEWRITER STROKE AND WORD COUNTING AND SIGNALING DEVICE AND SPEED INDICATOR. ALFRED E. OSWALD, Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 28, 1919. Serial No. 333,989. 32 Claims. (Cl. 88—24.)



1. The combination with a key-operated machine, of a counter operated thereby, a screen, a timing device including a clock-face and a hand movable with respect thereto to indicate elapsed time, and means for projecting upon the screen images of the clock-face and said hand in such relation as to indicate elapsed time and an image of the counter so that the number registered by the counter and the elapsed time may be observed substantially simultaneously.

1,508,408. COUPLER. EDWARD C. POST, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Mar. 9, 1922. Serial No. 542,297. 10 Claims. (Cl. 285—68.)

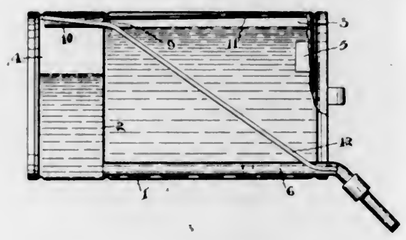


3. For use as an element of a hose coupling, a coupler having a member slidable thereon, formed with a slotted portion and adapted to engage the mating couplers, means extending into the slotted portion of said member to hold it in place with capacity for said sliding movement and to force said member in a direction to draw the coupler together, and a spring which is stressed by said movement of said member.

1,508,409. DYESTUFF. HEINRICH FRIEDRICH RAEDER and WALTER MIEG, Vohwinkel, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 28, 1923. Serial No. 642,102. 2 Claims. (Cl. 260—60.)

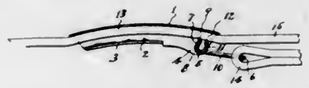
1. The herein-described new dyestuffs being sulfonic acids of aminodianthraquinonylamines, being after being dried and pulverized dark powders soluble in water generally with a violet to blue to green coloration; being almost insoluble in dilute acids and dyeing wool from acid baths from violet to greyish-blue to bluish-violet shades fast to light, substantially as described.

1,508,410. LIQUID-DISPENSING CAN. EDWARD DEVINE RANCK, Toronto, Ontario, Canada, assignor to The Coleman Lamp Co., Wichita, Kans. Filed Oct. 13, 1923. Serial No. 668,421. 5 Claims. (Cl. 221—98.)



3. A dispensing container divided by a transverse partition into an upper and a lower compartment communicating with one another only at a point adjacent the wall of the container by means of a tube extending down to a point adjacent the bottom of the lower compartment; a spout communicating with the lower compartment substantially diametrically opposite the communication aforesaid and extending above the upper end of the container; and an air tube extending from the mouth of the spout to the interior of the tube aforesaid and means for permitting air to enter the upper compartment and to escape from the lower compartment while the latter is filling.

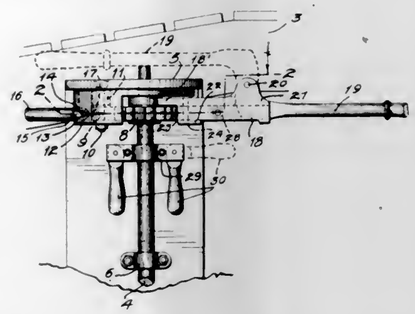
1,508,411. BELT BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed Nov. 2, 1922. Serial No. 598,484. 1 Claim. (Cl. 24—191.)



A belt buckle comprising a face plate having longitudinal side flanges, a clamp loop pivoted between said flanges adjacent to one end of said face plate and spaced rearwardly therefrom, said clamp loop having a base portion, a loop portion extending from said base portion beyond the adjacent end of said face plate, an inner clamp-jaw member extending normally toward said face-plate from the inner edge of said base-portion, an outer clamp-jaw member of reduced height extending normally toward said face-plate from the outer edge of said base-portion, and pivotal means for said clamp-loop alined with said inner clamp-jaw member whereby the arc of movement of said inner clamp-jaw member toward said face plate is shorter than the arc of movement of said outer clamp-jaw member toward said face-plate.

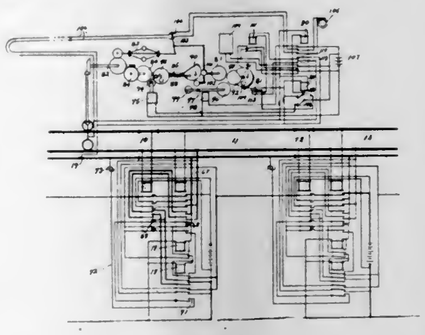
1,508,412. BRAKE-ACTUATING MECHANISM. HENRY M. ROBERTSON, St. Paul, Minn. Filed Aug. 22, 1923. Serial No. 658,716. 5 Claims. (Cl. 74—114.)

1. In a brake actuating mechanism, a brake staff equipped with a ratchet wheel, a lever pivotally associated with said staff and provided with a driving dog normally operative on said ratchet wheel but having an outwardly projecting end exposed along the same where it may be engaged to move said dog into an inoperative position, a cam-acting tripping abutment operative on the inner end of said driving dog to release the same



from said ratchet wheel when said lever is moved to an extreme return position, and a retaining dog operative on said ratchet wheel.

1,508,413. AUTOMATIC TRAIN-CONTROLLING SYSTEM. EDWARD C. SASSETT, Washington, D. C. Filed June 12, 1923. Serial No. 644,867. 36 Claims. (Cl. 246—47.)



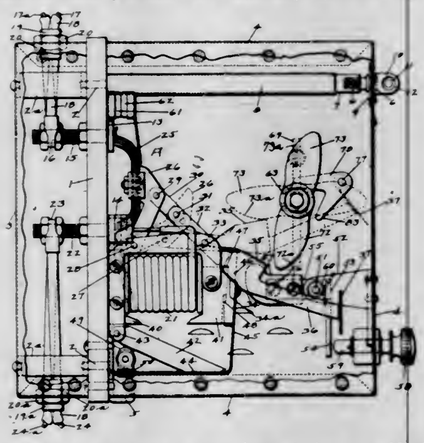
26. A train controlling system comprising a track and vehicles travelling thereon, train controlling devices on said vehicles, means for governing said devices automatically in accordance with traffic conditions, and additional means for governing the train controlling devices of a following vehicle in accordance with the speed of the vehicle immediately in advance thereof.

1,508,414. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed Jan. 23, 1920. Serial No. 353,475. 20 Claims. (Cl. 200—107.)

4. Automatic circuit breaker mechanism comprising a movable contact arm, toggle structure comprising a link connected to said contact arm and another link pivoted intermediate its ends, one end of said other link on one side of said pivot being free, an enclosing housing having an aperture, and an indicating member disposed on the free end of said link and movable with respect to said aperture in accordance with movements of said switch arm.

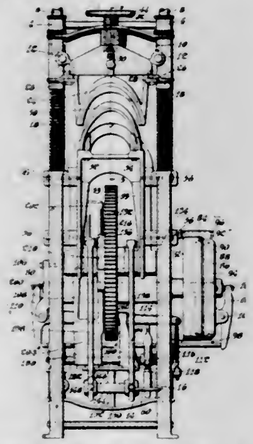
20. The combination with a movable contact member, of an overtravelling toggle for moving it to and locking it in circuit closing position, an enclosing housing, a resetting member carried by said housing for engaging said toggle for moving said contact member to circuit

closing position, a pivoted member carried by said housing and adapted to engage said toggle to move it to under-traveled position, and manually operable means



carried by said housing in detached relation to said pivoted member and operable from the exterior of said housing to actuate said pivoted member.

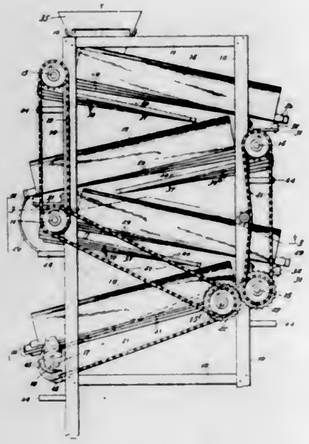
1,508,415. MOLDING MACHINE. THOMAS H. SEELY, Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 24, 1920. Serial No. 368,387. 27 Claims. (Cl. 69—8.)



1. In a molding machine, a die having a molding surface, a fixed piston, a movable cylinder, means to raise said cylinder and allow it to drop under the action of gravity, means to render said cylinder ineffective through a part of its movement, and connections from the molding surface to the interior of the cylinder whereby sudden flow of a fluid is supplied to the molding surface to separate the article from the die.

1,508,416. GRADER FOR FRUITS, VEGETABLES, AND OTHER ARTICLES. HENRY A. SHELDON, Buffalo, N. Y., assignor to Peerless Husker Company, Buffalo, N. Y., a Copartnership. Filed Feb. 19, 1921. Serial No. 446,250. 21 Claims. (Cl. 130—32.)

1. A grader of the character described, comprising a plurality of parallel, longitudinal bars which are inclined from their head or receiving ends toward their tail or delivery ends and which are spaced laterally from each other, and actuating means for reciprocating said bars lengthwise and vibrating the same vertically so that as a whole the upper surfaces of the same produce a wave-like motion crosswise of the several bars and cause the ma-



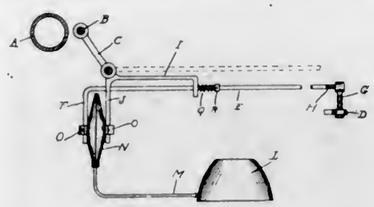
terial resting thereon to move by gravity diagonally over the several bars from the head end to the tail end of the same, the crest of each wave being formed by a plurality of bars, the inclined sides of the waves being formed by a plurality of bars and the trough of the waves being formed by a plurality of bars.

1,508,417. PIPE-RECOVERING DEVICE. JOSEPH M. SPITLER, Houston, Tex. Filed May 2, 1924. Serial No. 710,487. 5 Claims. (Cl. 294—90.)



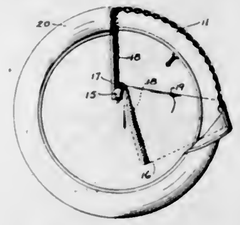
2. A pipe puller including a tubular jaw carrier, a mandrel therein provided with a flared portion, cams on said mandrel, pipe engaging jaws radially movable in said carrier and adapted to be expanded by said flared portion when the mandrel is moved longitudinally in the carrier and adapted to be expanded by the cams when said mandrel is rotated relative to the carrier.

1,508,418. ACCELERATOR ATTACHMENT. WILLIAM G. STEWART, Windsor, Ontario, Canada. Filed June 18, 1921. Serial No. 478,639. 10 Claims. (Cl. 74—39.)



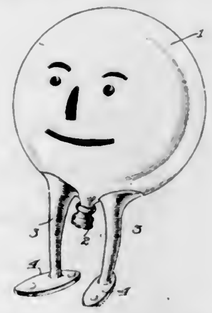
1. An accelerator attachment for motor cars comprising a substitute connecting rod between the hand control and throttle, having members relatively movable longitudinally of the rod, a pneumatic compressor bulb and an expansible chamber connected with said bulb engaging said relatively movable members of the rod to actuate the same.

1,508,419. COVER. GIDEON SENDBACK, Meadville, Pa., assignor to Hookless Fastener Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,210. 1 Claim. (Cl. 150—54.)



A flexible cover extending on one side, enclosing the edges, and provided with an overlapping portion on the opposite side of an article, said cover being provided with a single slit extending from the overlapping edge of said cover, over the edge of the article and inwardly along the first side far enough to permit removal of said cover, and means for closing said slit.

1,508,420. BALLOON TOY. ALVIN J. SWARTZ, Willard, and CLYDE O. ROOSE, Norwalk, Ohio. Filed June 2, 1922. Serial No. 565,492. 6 Claims. (Cl. 46—40.)



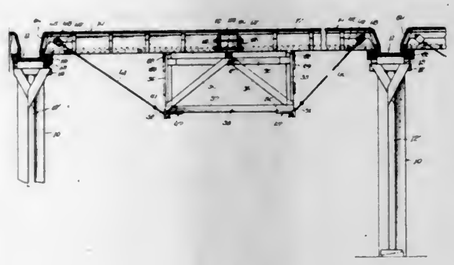
1. A balloon toy, including an inflatable bag designed to represent a fanciful figure, and means connected with said bag and so positioned and of such weight as to cause said toy to assume an erect position on any surface, said means forming a part of the fanciful figure.

1,508,421. BRICKWORK WALL FOR SAFES, STRONG ROOMS, AND THE LIKE. HANS TAEGEN, Berlin-Grunewald, Germany, assignor of one-half to the Firm Minimax-Aktien-Gesellschaft, Berlin, Germany. Filed Mar. 13, 1924. Serial No. 699,093. 8 Claims. (Cl. 109—1.)



1. In brickwork walls in combination, obliquely disposed bricks and steel reinforcements arranged in the joints between said bricks at about the middle of said wall.

1,508,422. FORM STRUCTURE FOR CONCRETE CONSTRUCTION. JOHN A. TAGGART, Wilmette, Ill. Filed Apr. 25, 1921. Serial No. 464,238. 8 Claims. (Cl. 25—131.5.)



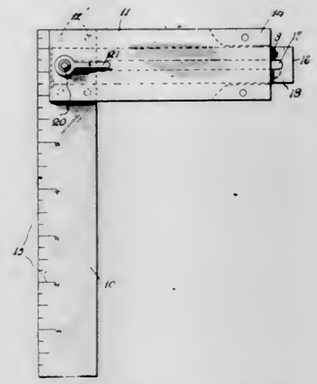
1. A form for concrete construction comprising, in combination, a top and two sides, and means interconnecting said top and sides adapted to break the suction, first between the sides of said form and the concrete and, next, between the top of said form and the concrete.

5. A built up structure for concrete construction comprising, in combination, a plurality of transverse forms, cleats secured to the ends of said forms, spreaders adapted to be positioned against the inner edge of said cleats, and means for interlocking said spreaders to rigidly interconnect and interlock said transverse sections.

1,508,423. COMBINATION SQUARE. JOHN O. THOMAS, Long Beach, Calif. Filed June 27, 1921. Serial No. 488,010. 1 Claim. (Cl. 33—44.)

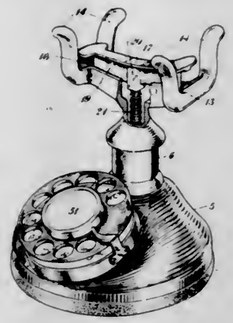
A measuring and plotting instrument comprising a beam consisting of two similar rectangular members arranged in parallelism one above the other, and spacing blocks between said members respectively at the corners of one end thereof, and means permanently securing said members and blocks together, said blocks being spaced to define an open passage between them, a straight-edged blade inserted between said members at the other end of the beam and rigidly attached to one of said members at a right angle thereto while spaced from the other member, a straight-edged leaf disposed between said blade and the other member and having a longitudinal slot and adapted to be housed within the beam with one end extending through said passage or disposed in angular relation to the beam and the blade, a clamping screw pass-

ing through the beam and the blade at said other end and through the slot in the leaf, and a nut on said screw



adapted to be turned home against the other member of the beam to secure the leaf in a set position relative to the beam and the blade.

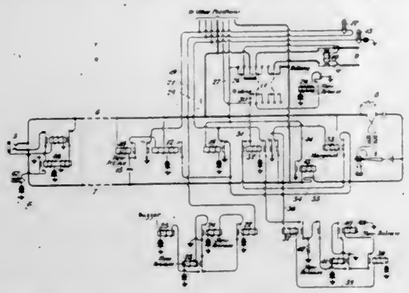
1,508,424. TELEPHONE DESK SET. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,506. 6 Claims. (Cl. 179—165.)



1. A portable desk set comprising a base and standard therefor, a cradle member integral with said standard and adapted to support a hand telephone, a T-shaped plunger including a head portion and a spindle adapted to reciprocate in said standard, switching mechanism mounted in said base, and means associated with the said plunger and actuated upon the reciprocation thereof for operating said switching mechanism upon the association and dissociation of the hand telephone with the cradle member.

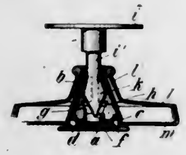
1,508,425. TELEPHONE PRIVATE BRANCH EXCHANGE CIRCUITS. JOHN F. TOOMEY and HENRY E. PHELPS, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed July 7, 1921. Serial No. 482,988. 10 Claims. (Cl. 179—42.)

1. A trunk line interconnecting a central office and a substation, ringing responsive apparatus associated with said line, signaling means controlled thereby, a second signaling means, a circuit including two relays connected in series, switching means adapted to be thrown in talking position or in holding position, operator's telephone apparatus, said switching means operating when thrown in talking position to close said circuit and to operate said relays whereby one of said relays will connect said operator's set to said line and the other of said relays will operate said second signaling means,



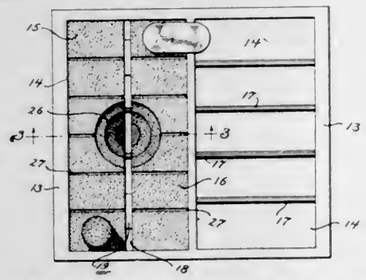
and means associated with said line and operative when the subscriber at said substation responds for short-circuiting the portion of said circuit including said first relay.

1,508,426. BUTTON. WILHELM TUNHORN, Stolberg, Germany, assignor to William Prym G. m. b. H., Stolberg, Germany. Filed July 18, 1923. Serial No. 653,150. 1 Claim. (Cl. 24—109.)



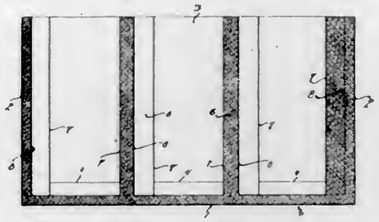
A button of the character described comprising a base member having a headed stem, a top member receiving the stem and including a plate having a series of concentric openings and tongues projecting inwardly of the openings and a clamping member composed of a conical sleeve for receiving the stem of the base member and provided with longitudinal slots forming resilient tongues and with openings at the inner ends of the slots forming shoulders for engaging the tongues on the plate for preventing accidental separation of the top member and also provided with an exterior annular groove for receiving the plate, substantially as and for the purposes set forth.

1,508,427. ELECTRIC STORAGE-BATTERY CONSTRUCTION. HUGO G. WAGNER, Point Pleasant Beach, N. J. Filed Dec. 27, 1921. Serial No. 524,891. 2 Claims. (Cl. 204—29.)



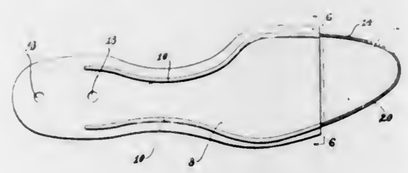
1. In an electric storage battery, positive and negative elements consisting of porous blocks composed of ammonium sulphate, carbon, an accumulator oxide and calcined calcium sulphate.

1,508,428. ELECTRIC-STORAGE-BATTERY CELL AND CASE. HUGO G. WAGNER, Point Pleasant Beach, N. J. Filed July 13, 1922. Serial No. 574,606. 2 Claims. (Cl. 204—29.)



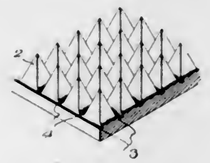
2. A battery case having opposed walls provided with inwardly extending projections and corresponding depressions adapted to interlock with correspondingly shaped grids, the projections from each wall being aligned with the depressions in the other wall.

1,508,429. INSOLE AND METHOD OF MAKING THE SAME. GEORGE E. WARREN, Swampscott, Mass., assignor to United Machinery Shoe Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 23, 1921. Serial No. 454,755. 15 Claims. (Cl. 36—22.)



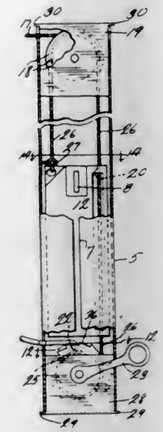
15. The method of making manufactured insoles which comprises providing a marginal sewing-rib and feather in a blank of insole material which terminates substantially at the tip line, securing to the unribbed side of said blank another layer of material formed to provide a complemental sewing-rib about the toe, the base of said complemental sewing-rib being disposed in a lower plane than the base of the rib at the rear of the tip line.

1,508,430. BURR. CLAUD H. WELLS, Gouverneur, N. Y. Filed July 14, 1923. Serial No. 651,548. 1 Claim. (Cl. 125—37.)



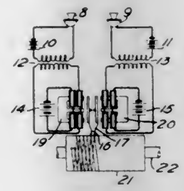
A burr for facing pulp mill stones, comprising a cylindrical body having aligning circumferential and transverse series of teeth, each of a pyramidal formation, said body having its outer face between the teeth grooved both circumferentially and transversely, and the walls of said grooves being rounded.

1,508,431. ADJUSTABLE WINDOW-SHADE SUPPORT. BEVILL W. WHITWORTH, Omaha, Nebr. Filed July 25, 1923. Serial No. 653,645. 1 Claim. (Cl. 156—27.)



The combination with an adjustable shade supporting device comprising vertically disposed casings, members within the casing for supporting a shade roller, pulley and cable means for simultaneously moving said shade supporting members, said pulleys being disposed within the ends of the casings, of means for supporting said pulleys, said means comprising casings disposed within the ends of the vertically disposed casings, said pulley carrying casings being provided with flanges overlying the ends of the vertically disposed casings.

1,508,432. SOUND RECORDING AND REPRODUCING APPARATUS. HARRY B. WIER, Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,051. 3 Claims. (Cl. 179—100.1.)

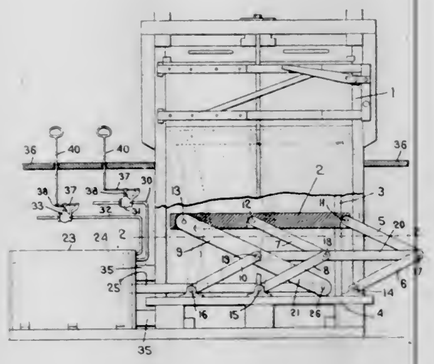


1. A binaural system for recording and reproducing sounds comprising a pair of transmitters for simultaneously collecting the same sounds, a record, a double recorder for recording the sounds collected by each transmitter on said record, a double reproducer for reproducing the recorded sounds and a pair of receivers connected to said reproducers whereby the sounds may be heard in their natural acoustical relation.

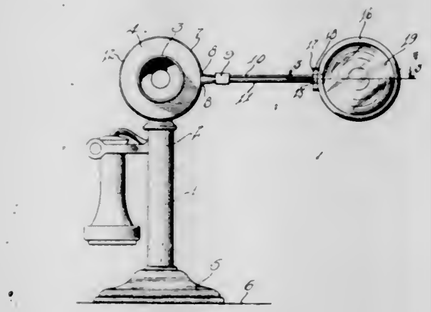
1,508,433. BALING PRESS. CHARLES M. WOULF, Buffalo, N. Y. Filed Feb. 2, 1920. Serial No. 355,579. 1 Claim. (Cl. 100—9.)

In a baling press, the combination with a press frame, of a follower operable therein, a plurality of connected parallel toggle elements pivotally connected at one end to said follower and at the other end to the frame, one

of the members of one toggle element being extended beyond its central point, a cylinder connected to the frame with its axis in line with the lower end of a toggle element extension, a piston in the cylinder having a piston rod connected to said extension, and means for admitting fluid to the cylinder.



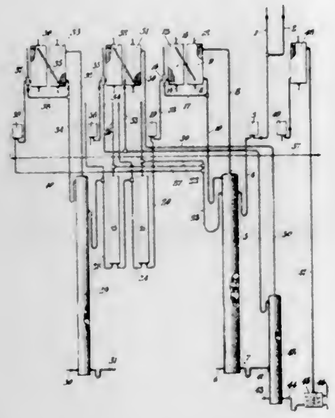
1,508,434. MAGNIFYING GLASS FOR TELEPHONES. JOSEPH J. AYRES, Keokuk, Iowa. Filed Jan. 8, 1923. Serial No. 611,411. 3 Claims. (Cl. 88—39.)



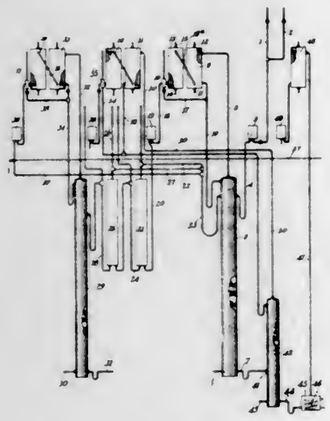
1. A magnifying glass for attachment to telephone instruments, and means for movably supporting said glass upon said instrument at one side of the transmitter thereof, said means comprising a wire loop, arranged for engagement with the housing of said transmitter and formed with outwardly extending radial end portions, and a frame for receiving said magnifying glass hingedly supported upon the outer ends of said radial portions of said loop.

1,508,435. PROCESS OF RECOVERING ABSOLUTE ALCOHOL. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 5, 1921. Serial No. 458,845. 3 Claims. (Cl. 195—15.)

1. The process of manufacturing anhydrous alcohol which comprises the addition to commercial alcohol of a substance miscible therewith but immiscible with water, and the distillation of the mixture in a column whereby an azeotropic mixture is obtained as a distillate and anhydrous alcohol containing a small proportion of said substance as a residue, and the distillation of said residue to obtain pure anhydrous alcohol as a distillate and said substance as a residue.



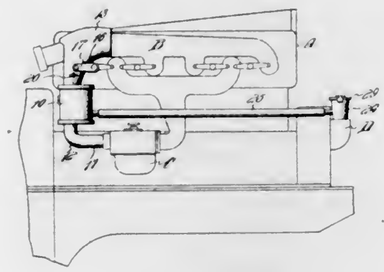
1,508,436. APPARATUS FOR RECOVERING ABSOLUTE ALCOHOL FREE FROM FOREIGN MATERIALS. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 5, 1921. Serial No. 458,846. 4 Claims. (Cl. 195—15.)



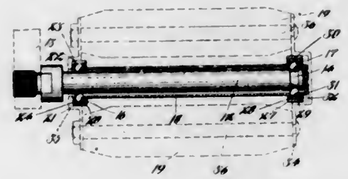
1. An apparatus which comprises a rectifying column, means for feeding a ternary mixture thereto, means for removing a single constituent therefrom, and means for rectifying said constituent.

1,508,437. HOT-AIR PIPE FOR CARBURETORS. WILLIAM A. BAKER, Elgin, Tex., assignor to Baker Gas Saver Company, Elgin, Tex. Filed July 13, 1923. Serial No. 651,384. 3 Claims. (Cl. 123—119.)

1. A hot air supply for engine carburetors comprising a drum, a conduit extending through the drum and having one end inserted within the air inlet of the carburetor and having its other end formed as an open sided shield engaged against the exhaust manifold, means for holding the device in position, a tube leading from the breather pipe of the engine into said drum, means establishing communication between the drum and the conduit a valve within the conduit.



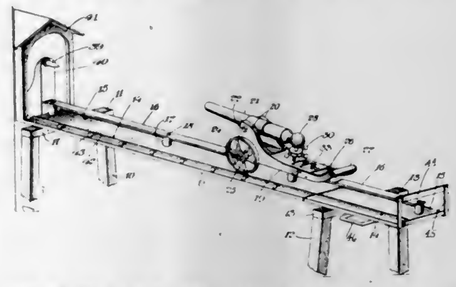
1,508,438. ANTIFRICTION BEARING FOR BICYCLE PEDALS, ETC. HUGH W. BATCHELLER, Worcester, Mass., assignor of one-half to H. F. Farrell, Worcester, Mass. Filed June 22, 1923. Serial No. 646,997. 2 Claims. (Cl. 208—70.)



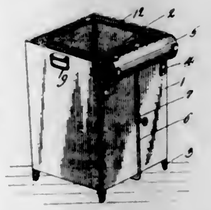
1. A self-contained antifriction bearing comprising a cylindrical shaft having a peripheral groove adjacent to its outer end, the minimum diameter of the groove being less than the diameter of the shaft; a circular series of inner balls contacting with the periphery of the shaft; a smaller circular series of outer balls contacting with the groove; a tube loosely surrounding the shaft and provided at its inner end with an inner cup, having a shoulder-forming face contacting with one side of the series of inner balls, and an internal face contacting with the perimeter of said series, to maintain the inner balls in loose contact with the periphery of the shaft; means for confining the balls in the inner cup; the tube being provided at its outer end with an outer cup having a shoulder-forming face contacting with one side of the series of outer balls; and a keeper fixed in the outer cup and having a shoulder-forming face contacting with the opposite side of the series of outer balls, and an internal face contacting with the perimeter of said series, to maintain the outer balls in coupling engagement with said groove, and thereby prevent endwise movement of the tube in either direction on the shaft, the arrangement being such that the tube is locked against endwise movement by the operation of securing the keeper to the outer cup.

1,508,439. AMUSEMENT DEVICE. ISAAC N. BEBAHA, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,960. 10 Claims. (Cl. 265—20.)

1. In a device of the class described the combination of an inclined platform, a wheeled firing device mounted thereon and adapted to be propelled up said inclined platform, means for guiding said device upon the platform, a support located at the upper end of said platform, means for holding a cartridge and means for exploding it, one of said means being carried by said support and the other by said firing device, and a handle connected to said firing device and adapted to be grasped for propelling the firing device up the platform.

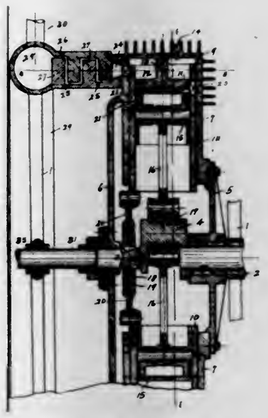


1,508,440. ICE-MAKING MACHINE. THOMAS BEARD, Togo, Minn. Filed July 13, 1922. Serial No. 574,719. 1 Claim. (Cl. 220—13.)



In an ice making machine of the class described, an outer receptacle, an inner receptacle removably mounted within the outer receptacle, spacing strips provided on the inner receptacle, said strips provided with notches, and handles pivotally mounted on the exterior of the inner receptacle and adapted to be received in said notches when not in use and when the inner receptacle is mounted within the outer receptacle.

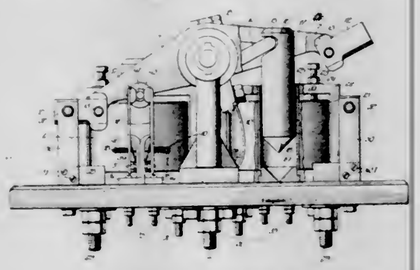
1,508,441. TURBINE. LESTER L. BROWN, Houston, Tex. Filed July 26, 1920. Serial No. 399,010. 5 Claims. (Cl. 60—41.)



1. A turbine including a plurality of rotating cylinders each having a discharge port, pistons reciprocable in the cylinders, an eccentric bearing around which the cylin-

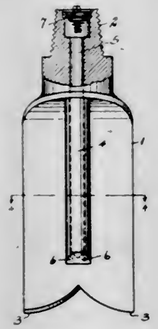
ders revolve, connecting rods each pivoted at one end to its corresponding piston and at its other end to said bearing, stationary vanes against which the motive fluid is discharged from said ports, and vanes which are fastened to the cylinders against which the motive fluid is deflected by said stationary vanes thereby imparting rotation to them and to the cylinders with which they are connected.

1,508,442. DOUBLE-POLE DOUBLE-THROW SWITCH. CARL O. BURTON, Duluth, Minn. Filed Mar. 17, 1921. Serial No. 453,074. 2 Claims. (Cl. 200—101.)



1. In an electric switch, a rocking shaft, switch arms and an operating arm extending transversely of the shaft and having their median portions connected thereto, con acts adapted to engage the ends of the switch arms, secondary contacts adjacent each end of the main switch arms, and means carried by the switch arms insulated from the main circuit and adapted to engage the secondary contacts when the switch arms engage the first-named contacts.

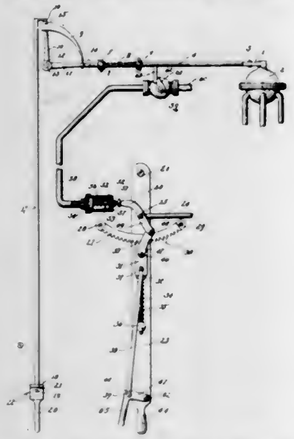
1,508,443. DRILL BIT. WALTON G. CHRISTIAN, Houston, Tex. Filed Jan. 29, 1923. Serial No. 615,573. 6 Claims. (Cl. 255—61.)



1. A drill bit including an elongated flat relatively thin body, having a centrally located vertical rib on each side formed integrally therewith, and whose lower end is formed with cutting blades, said bit having a single water course which extends from the upper end thereof and continues down within said ribs near the lower end thereof, the lower ends of the ribs being provided with water ports through which water may be discharged on opposite sides of said body the upper end of said water course being enlarged and a back pressure valve located in said enlarged portion.

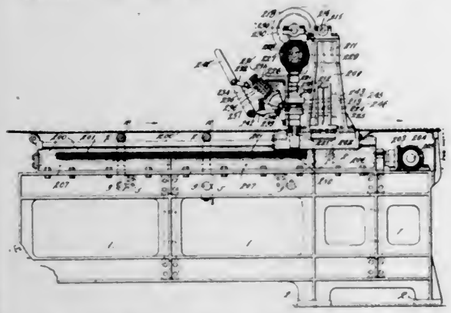
1,508,444. TRAIN-STOPPING MEANS. HARRY L. CRAIG, College Point, N. Y. Filed Mar. 27, 1922. Serial No. 546,999. 2 Claims. (Cl. 246—188.)

1. In train stopping means, the combination with releasable latched devices, of a spring controlled air brake rod actuated by the release of the said devices, the said rod having a striker arm projecting from it, an air valve arranged to be operated by the movement of the said arm, a cylinder having a spring controlled piston and piston rod, the cylinder being in communication with the said air valve, a throttle valve lever, a toothed quadrant, a releasable dog carried by the said lever and engaging the quadrant, a throttle valve rod



pivotally attached to the said lever, a toggle joint having a limited movement and having the end of one link attached to the said dog, and having an intermediate point of the second link of the said toggle pivotally attached to the connection of the said lever and throttle valve rod, and the free extremity of the said second link being arranged in the path of and operated by the said piston rod whereby the said dog is released and the said throttle valve rod is moved.

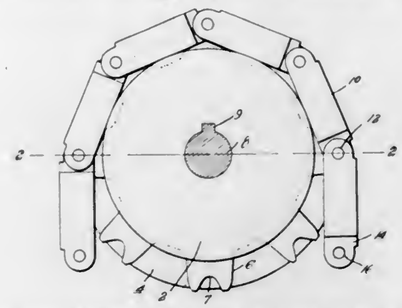
1,508,445. CUT-OFF MECHANISM. LEWIS K. DAVIS, New York, N. Y., assignor to Vaughn Camp, Norfolk, Va. Filed May 17, 1921. Serial No. 470,470. 19 Claims. (Cl. 164—49.)



1. A device of the character described, comprising a main frame, means to progress a fabric over the same, a carriage adapted to travel over the main frame, a cutting blade mounted upon said carriage, means to so actuate the carriage that it will travel synchronously with the fabric and cooperate to drive the cutting blade, and manual means to control the action of the cutting blade.

1,508,446. SPROCKET WHEEL AND CHAIN. FRANK DIEHL, Wabash, Ind. Filed July 26, 1923. Serial No. 653,962. 3 Claims. (Cl. 74—30.)

1. A sprocket wheel adapted to be mounted for rotation about a vertical axis, and comprising a hub having upper and lower flanges, the hub being provided with an intermediate driving flange located between the upper



and lower flanges, the lower flange being off-set to form a chain-supporting lip.

1,508,447. PHOTOGRAPHIC-FILM PACKAGE. CHARLES STEWART FORBES, Strathdon, Scotland. Filed May 5, 1923. Serial No. 637,011. 9 Claims. (Cl. 95—2.)

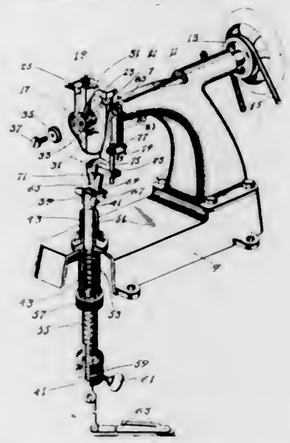


1. As a new article of manufacture, a photographic film package comprising a non-transparent backing strip provided with a sensitized coating, and a transparent sheet in front of said coating, provided with a sensitized coating.

1,508,448. METHOD OF MAKING GREEN SCALES. WALTER GLAESER, Brooklyn, N. Y. Filed Nov. 9, 1921. Serial No. 514,100. 1 Claim. (Cl. 260—11.)

In a method of producing green scales, the steps which consist in treating calcium citrate with ferric sulphate solution and then removing the precipitate formed, then adding an ammonium salt removing further precipitate, evaporating the filtrate to a strength to produce green scales and brushing the same onto glass.

1,508,449. SEAM-FINISHING MACHINE. GEORGE J. GOERSCH, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 10, 1919. Serial No. 309,902. 53 Claims. (Cl. 69—7.)

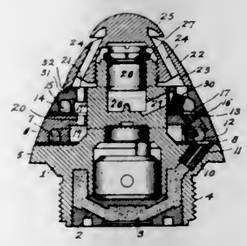


1. A seam finishing machine, having in combination, a work support movable back and forth in the line of feed, a hammer, means for imparting to the operative

portion of the hammer movement in a path to pound and feed the work, and means constructed and arranged to permit the work support to be moved forward with the hammer during part of its stroke and then to move the work support backward in contact with the work to its initial position.

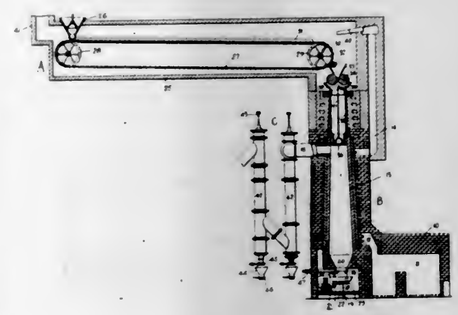
53. A seam finishing machine having, in combination, a movable support for a seam, a hammer member to press a seam thereagainst, means to operate the hammer member, and auxiliary means to move the support, said means and auxiliary means cooperating to move the hammer member and the support to rub and press the seam and to feed it through the machine.

1,508,450. FUSE FOR PROJECTILES. JOHN H. GOSS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 12, 1919. Serial No. 317,058. 9 Claims. (Cl. 102—36.)



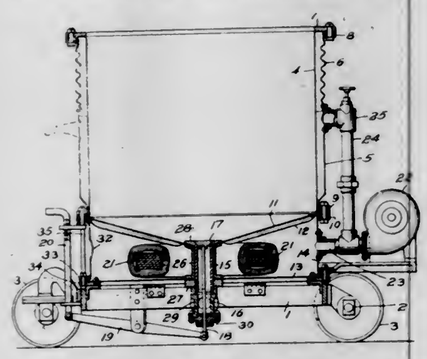
3. A fuse including a body, charge containing rings carried by the fuse, said rings being provided with gas escape flues, and a cap carried by the body and free to move toward the rings under the forces developed during firing.

1,508,451. MANUFACTURE OF ALUMINUM CHLORIDE. GEORGE W. GRAY, New York, N. Y., and FRANK W. HALL, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Dec. 1, 1921. Serial No. 519,087. 18 Claims. (Cl. 23—13.)



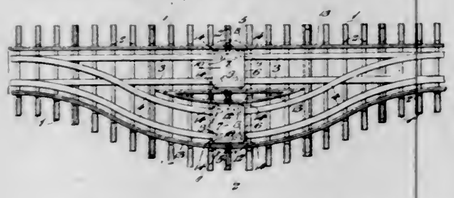
1. The process of making aluminum chloride which comprises supplying a carbon-alumina mixture to a conveyor, heating said mixture while in transit so that the mixture is coked, removing the coked mixture from the conveyor and chlorinating it.

1,508,452. ELECTRICALLY-HEATED RECEPTACLE AND HOT PLATE. ALFRED L. HARRINGTON, Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Mar. 23, 1923. Serial No. 627,081. 16 Claims. (Cl. 219—43.)



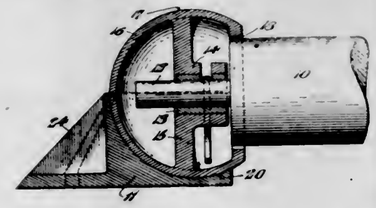
1. In combination, a heating plate of high resistance material and connections whereby a flow of heating current is provided between the periphery of the plate and its central portion.

1,508,453. AMUSEMENT APPARATUS. THOMAS D. HOOPER, Jr., Merchantville, N. J. Filed Jan. 2, 1924. Serial No. 683,854. 10 Claims. (Cl. 104—35.)



1. In amusement apparatus, an incline provided with a single set of traction rails, a loop arranged along the line of said rails, a pair of trucks including traction wheels adapted for travel over said rails under the influence of gravity, a car supported by said pair of trucks and having swivelled relation with each thereof, and guiding means independent of the traction wheels carried by each truck and arranged to so track said rails that upon reaching a loop, the car is caused to reverse itself bodily without changing its course of transit.

1,508,454. SELF-ALIGNING BEARING FOR CABLEWAYS. DAVID R. KNAPP, Philadelphia, Pa. Filed Feb. 9, 1923. Serial No. 617,968. 5 Claims. (Cl. 64—54.)

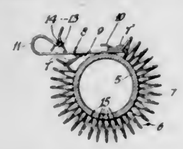


1. In a bearing construction for cableways, the combination of a rotatable guide for a cable, means for supporting one end of said guide for universal movement, and means forming a fixed guide to direct said cable to said rotatable guide in case of displacement.

1,508,455. GLASS. CHARLES A. KRAUS, Worcester, Mass. Filed Oct. 13, 1920. Serial No. 416,700. 14 Claims. (Cl. 106—36.1.)

1. A glass containing lead oxide and having a coefficient of thermal expansion below about 4.0×10^{-6}.

1,508,456. GROUND CLAMP. WILLIAM G. LENZ, Brooklyn, N. Y., assignor to Perfection Mfg. Co., Brooklyn, N. Y., a Copartnership. Filed Jan. 4, 1924. Serial No. 684,335. 4 Claims. (Cl. 173—273.)

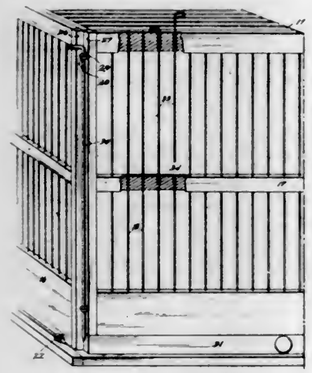


4. A ground clamp adapted to be attached to a grounded element comprising a spiral spring adapted to encircle said grounded element and contact therewith, a conductor clip, means at one end of said spring for permanently attaching said clip to said spring, means at the opposite end of said spring for detachably connecting said clip to said spring, and means for connecting a conductor to said clip.

1,508,457. PYROXYLINE AND METHOD OF MAKING THE SAME. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Aug. 26, 1922. Serial No. 584,554. 5 Claims. (Cl. 260—145.)

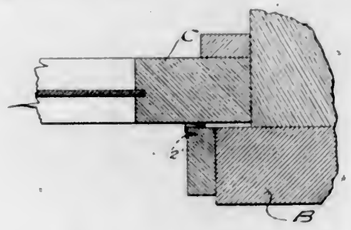
5. A process of producing pyroxyline comprising nitrating, approximately one part of cellulose in approximately 71 parts of the mixture of approximately 61 parts of sulphuric acid, 22 parts water and 17 parts nitric acid at approximately a temperature of 100° to 105° Fahrenheit.

1,508,458. BIRD CAGE. CHARLES LITSCHGI, New York, N. Y. Filed Oct. 26, 1922. Serial No. 596,959. 7 Claims. (Cl. 119—17.)



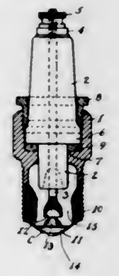
1. A rectangular knock-down bird cage comprising a flat bottom, and certain upstanding flat sides resting on the bottom, said sides free of angled extensions, one of said sides having a pair of readily removable screen eyes projecting outwardly therefrom adjacent its lower edge, said bottom provided with a pair of upwardly extending and readily removable eyes aligned with the eyes projecting from the upstanding side, a removable horizontally extending rod inserted in the aligned eyes to secure said side temporarily to the bottom, said side so secured to the bottom and an adjacent side each having its contiguous edge exposed outwardly or offset from the other side, each of said edges provided with aligned, readily removable eyes and a vertically extending and readily removable rod inserted through said last named eyes for temporarily securing the sides to each other.

1,508,459. WEATHER STRIP. CHARLES D. LYON, Chicago, Ill. Filed Apr. 9, 1923. Serial No. 630,901. 3 Claims. (Cl. 20—69.)



1. A weather strip for windows comprising a stationary limb, a movable limb yieldably connected to the first limb, a flange on each limb for sliding engagement with each other, one of the flanges being arranged for permanent attachment to a suitable support.

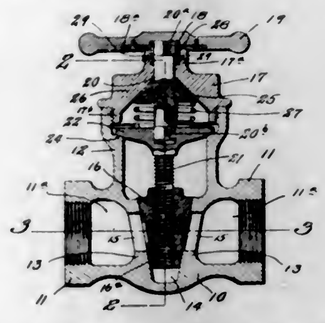
1,508,460. SPARK PLUG. HORACE MANSFIELD, Yonkers, N. Y., assignor of one-half to Thomas J. Carson, Brooklyn, N. Y. Filed Apr. 3, 1924. Serial No. 703,942. 7 Claims. (Cl. 123—169.)



1. A spark plug comprising a pair of opposed cup-shaped electrodes each provided with an annular contact edge; and a conductive ball loosely retained between and by said edges for intermittent contact therewith and having a radium slightly greater than the inner radius of said annular edges and different from the radius of the faces of the cups to prevent extended contact with the cups except at said edges, whereby packing of carbon in the cups is avoided.

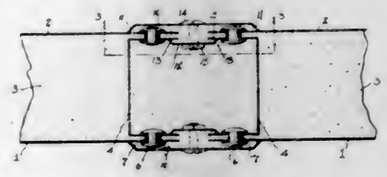
1,508,461. VALVE. ATTILIO MARCELLI, Overland, Mo., assignor to St. Louis Tool, Die & Manufacturing Company, a Corporation of Missouri. Filed Aug. 26, 1920. Serial No. 406,148. 3 Claims. (Cl. 251—62.)

1. In a valve, the combination of a housing having inlet and outlet chambers and a valve chamber connecting the same, a valve operating in said valve chamber for controlling the communication between said first-mentioned chambers, a bonnet screw-seated on said housing and having a downwardly presented cone-shaped seat, a rod rotatably mounted in said bonnet, a disk carried by said rod and having a conical upper face adapted to be seated in said cone-shaped seat, a valve stem having threaded engagement with said valve for operating the same and provided in its upper end with a non-circular seat for operatively engaging the non-circular end of said rod, a disk carried by the upper end of said stem and provided



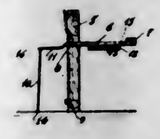
with an inclined lower face having a bearing in a seat formed in said housing, a spring interposed between said disks for holding the latter to their respective seats.

1,508,462. OVEN WALL. CARL F. MAYER, Cleveland, Ohio. Filed Nov. 24, 1922. Serial No. 603,091. 9 Claims. (Cl. 72—16.)



1. In a sectional heat insulating wall, the combination of inner and outer spaced metallic plates, a channel strip disposed between and with its side flanges substantially parallel with the edge portions of said plates, insulating material interposed between such flanges and portions, and means permanently connecting such flanges and portions together.

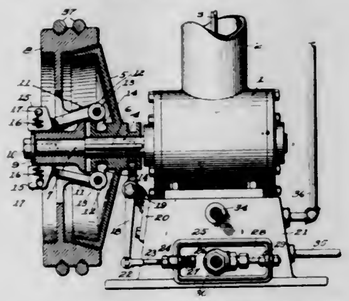
1,508,463. EGG-RECORDING NEST. WILLEM MIDDELMAN, Barneveld, Netherlands. Filed Nov. 7, 1923. Serial No. 673,364. 3 Claims. (Cl. 119—50.)



3. An egg recording nest comprising a single door frame, a hen operable trap door swingably supported in the upper part of the frame, an upright pin extending from the uper edge of the door and located on the inner side of the door frame, a flexible element having one end rigidly secured within the nest and the other end detachably engaged with the outward edge of the pin for normally holding the door in an outwardly extending and raised position to permit a hen to enter the nest but adapted to be disconnected by a hen upon entering the nest to permit the door to move to a closed position, stops provided on the door frame to prevent inward swinging of the door, weights on the lower edge of the door to facilitate the rapid closing of the door, a marking device including a bracketed plate adapted to be secured to the back of the hen, a wheel journalled in the plate and provided with corresponding numerals on the

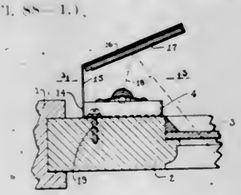
outer periphery, and a paper supporting frame carried on the back of the door and adapted to contain a sheet of paper upon which the numeral is impressed in the wheel by the hen when leaving the nest, substantially as and for the purposes set forth.

1,508,464. CLUTCH-CONTROLLED VALVE. GEORGE MCFARLAND, Fort Madison, Iowa. Filed June 9, 1921. Serial No. 476,252. 6 Claims. (Cl. 62—3.)



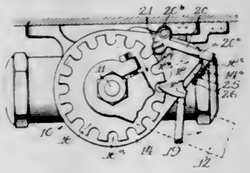
1. In a machine the combination of driving and driven elements, a clutch between these elements, a clutch, centrifugal means for moving the clutch, and means controlled by the movement of the clutch for operating a valve.

1,508,465. THERMOMETER. JAMES B. MCGHAN, Kenosha, Wis., assignor of one-half to William F. Martin, Kenosha, Wis. Filed Jan. 10, 1922. Serial No. 528,191. 1 Claim. (Cl. 88—1.)



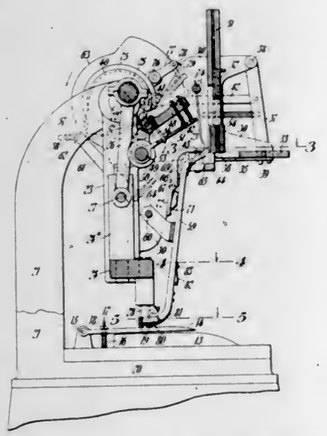
A device of the class described comprising a thermometer having a back member bearing reversed indicating characters; a sheet metal casing receiving and holding said back member, one wall of said casing being extended beyond the face of said back member and bent at an obtuse angle in front of said back member, the edges of said obtuse portion being bent to provide flanges; a reflecting mirror embraced within said flanges, its entire back surface being engaged and supported by said obtuse portion; and means for readily detachably securing the device to a support.

1,508,466. DOOR HOLDER. JOSEPH NEMEC, Chicago, Ill. Filed Nov. 15, 1923. Serial No. 674,805. 15 Claims. (Cl. 16—65.)



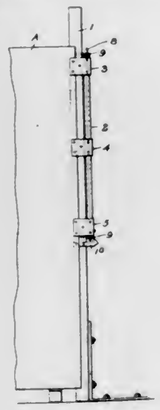
1. In combination, a door check comprising a rotatable arm operatively attachable to a door, a ratchet rotatable with said arm, a pawl having a portion engageable with said ratchet, and means operable to move said pawl into and out of engagement, said pawl being constructed and arranged to move out of engagement with said ratchet upon movement of the latter in one direction.

1,508,467. ENVELOPE-FASTENER-ATTACHING MACHINE. ABRAHAM NOVICK, Brooklyn, N. Y., assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1921. Serial No. 508,246. 10 Claims. (Cl. 1—2.)



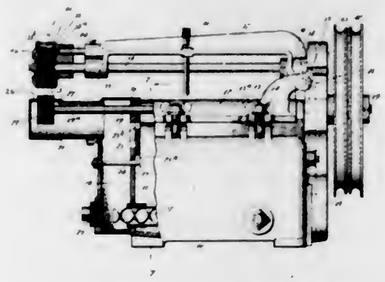
1. In a fastener attaching machine the combination of a hopper for the fastener blanks, fastener prong punching mechanism, means for delivering the fastener blanks one at a time from the hopper to the punching mechanism, fastener setting mechanism, and means comprising a movable chute for delivering the punched fasteners one at a time from the punching mechanism to the setting mechanism.

1,508,468. PLATE-GLASS INSPECTION CLAMP. GEORGE W. OAKES, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,379. 3 Claims. (Cl. 49—14.)



2. In combination in a glass supporting device, a vertical post adapted to engage a sheet of glass to be examined along one of its vertical edges, a clamping frame hinged to the post and adapted to swing to holding position over said edge, a catch member secured to the post beneath the frame and a pivoted latch carried at the lower end of the frame and adapted to engage the catch when the frame is in holding position.

1,508,469. CEMENTING MACHINE. WALTER P. OSGOOD, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 25, 1919. Serial No. 273,039. 21 Claims. (Cl. 91—51.)

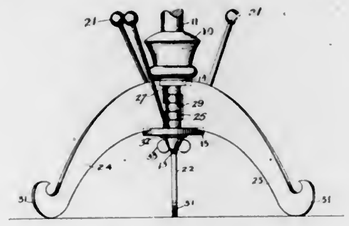


1. A cementing machine of the kind described, comprising two cement laying members having working faces adjacent and co-operative to apply cement to two sides of material at the same time, and a cement reservoir supplying one of said members directly, said members having co-operative equipment for the transfer of cement from one thereof to the other, and for the application of the cement so transferred to a side of the material.

18. A double cementing machine comprising two cement applying rolls, one thereof receiving its supply directly from a body of cement and the other roll having an equipment for gathering and storing cement between periods of operation.

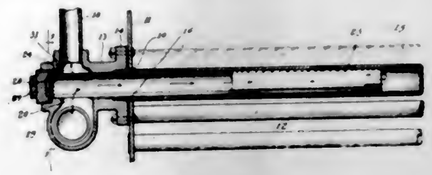
21. In a gluing machine, a gluing roll, a supplemental roll in rotatable contact therewith along part of the periphery of said supplemental roll, another part of said periphery being out of contact with said gluing roll and means for transferring glue from the part which contacts to the part which does not contact with said gluing roll.

1,508,470. STAND. ANTON PARTMANN, New York, N. Y., assignor of one-fourth to Ernest W. Probst, Brooklyn, N. Y.; one-fourth to William Pagalas and one-fourth to Gustav Nelson, both of Arlington, N. J. Filed Feb. 9, 1923. Serial No. 618,064. 4 Claims. (Cl. 211—24.)



1. In a collapsible display stand, separable and detachable supporting legs, said legs having apertured lugs, a centering pin, the lugs being arranged respectively on said legs so as to be capable of assemblage with relation to each other close together with the apertures therein in alinement for the reception of the pin in the apertures, spaced plates each having grooves therein which accommodate portions of said legs.

1,508,471. WATER HEATER. GEORGE F. PAUL, Los Angeles, Calif. Filed Aug. 25, 1921. Serial No. 495,271. 5 Claims. (Cl. 122—20.)



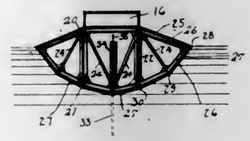
5. A water heater comprising a cylindrical casing having a discharge stub in its upper segment, a hollow foot embossment extending across its lower segment and opening into said casing, a tube secured to and extended axially from one end of said casing, a removable partition consisting of a sheet metal sheet bent to an inverted V-section that is disposed in said casing and tube and terminating adjacent the end of said tube opposite the casing, a shoulder in said casing engaged by said disk; said shoulder provided with a recess in its upper segment in which the apex of said V section partition is seated and prevented from relative movement by the disk-securing means, and a plug screwed into the adjacent end of said casing to press said disk against said shoulder whereby the partition is securely positioned in the casing and tube and straddles the inlet opening of the former.

1,508,472. BOBBIN FOR FEELER MECHANISMS. CLARENCE A. PIERCE, Lowell, Mass., assignor of one-third to Jude C. Wadleigh and one-third to Avery B. Clark, both of Lowell, Mass. Filed July 22, 1921. Serial No. 486,765. 2 Claims. (Cl. 139—289.)



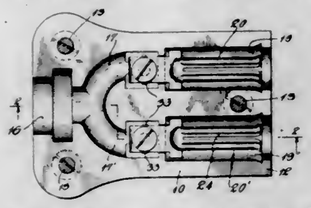
1. A bobbin having a cylindrical body portion, a heel portion, a non-recessed cone shaped portion having a continuous surface interposed between the heel and the body portion and a cylindrical smooth-surfaced bunch-receiving portion at the base of the cone and between the latter and the heel.

1,508,473. SHIP. SAMUEL N. POLIS, New York, N. Y. Filed Sept. 17, 1917. Serial No. 191,875. 7 Claims. (Cl. 114—79.)



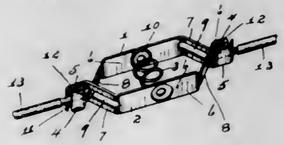
1. In a ship's hull, the combination of a plurality of interior longitudinal girders, means extending transversely of the hull and located between said girders at a plurality of points to connect the same, and means co-operating with the first named means and extending from said girders towards the sides of the ship for constituting, in effect, transverse girders rigid with the longitudinal girders, said transverse girders providing supports for portions of the hull between the longitudinal girders and the sides of the ship, thereby causing stresses upon the hull to be resisted by said longitudinal and transverse girders, the longitudinal and transverse girders dividing the ship into compartments for loading and unloading cargo vertically.

1,508,474. ELECTRICAL ATTACHMENT PLUG. LEOPOLD POLLOCK, New York, N. Y. Filed Apr. 24, 1919. Serial No. 292,246. 1 Claim. (Cl. 173—332.)



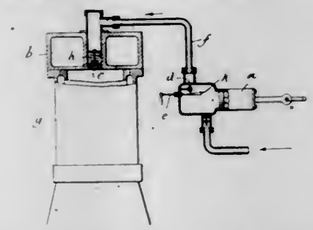
In an electric attachment plug, a contact clip formed from one piece of resilient conducting material slit and shaped to provide pairs of longitudinal contact jaws having opposed convex and concave surfaces, said sheet being bent at the center to dispose said jaws in parallel pairs.

1,508,475. CLIP. EUGENE PONS, Schenectady, N. Y. Filed June 9, 1923. Serial No. 644,451. Renewed Aug. 1, 1924. 3 Claims. (Cl. 24—81.)



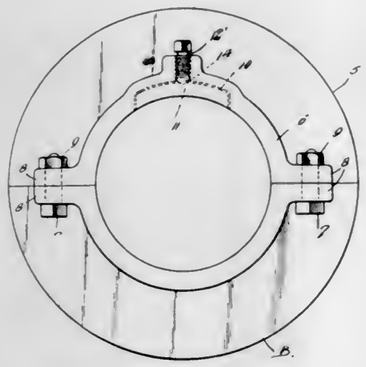
1. A clip including two like members each having a jaw at each end and an intermediate portion connected with one of said jaws by a bend provided with a slot, and with the other jaw by a bend of less width than said slot, said members being assembled in reverse position end for end with jaws opposed to each other at each end, each member having its narrower bend in engagement with the slot in the wider bend of the other, and a spring mounted under compression between said intermediate portions of said members.

1,508,476. FUEL IGNITION APPARATUS FOR INTERNAL COMBUSTION ENGINES. WILHELM RIEHM, Augsburg, Germany, assignor to the Firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany, a German Corporation. Filed Aug. 24, 1921. Serial No. 494,884. 3 Claims. (Cl. 123—139.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



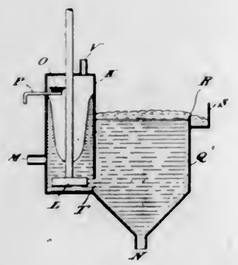
1. In a fuel injection apparatus for internal combustion engines, the combination with a fuel pump for injecting fuel into the engine cylinder at high pressure and a passage connecting the pump with the cylinder, of a combined injection and pressure valve adjacent the engine cylinder for spraying the pumped oil into the cylinder and for preventing return flow of oil to the passage, and a pressure valve located at the pump and adapted to be rendered operative only during the starting of the engine when the passage contains air, and when so operative serving to prevent the return of oil from the passage into the pump.

1,508,477. END-FLANGE ATTACHMENT FOR HORIZONTAL WARPING-BEAM ROLLS. ALBERT F. SCHMIDT, Hoboken, N. J. Filed Jan. 27, 1923. Serial No. 615,220. 1 Claim. (Cl. 242—124.)



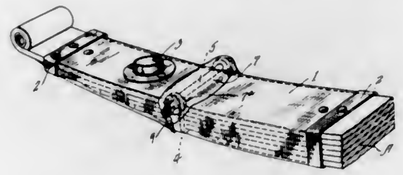
An end flange for beam rolls comprising a flange member having a hub portion disposed at the side thereof and which is adapted to be mounted upon a beam, said hub portion being provided at its interior with a recess having rectangularly disposed walls, the side walls of the recess converging toward each other, and the end walls of the recess being parallel, a plate located in the recess and having a concaved side adapted to lie opposite the beam, said concaved side being roughened by a series of corrugations which lie parallel with the side edges of the plate, the plate having plane parallel end walls which fit snugly against the end walls of the recess, the plate having converging side edge walls which lie opposite the converging side walls of the recess, and a screw passing transversely through the hub and engaging the plate to force the ridges in intimate contact with the beam transversely thereof and parallel with the outer face of the flange.

1,508,478. ORE-CONCENTRATION PROCESS. WALTER A. SCOTT, Chicago, Ill., assignor to Minerals Separation North American Corporation, a Corporation of Maryland. Filed Nov. 12, 1917. Serial No. 201,463. 5 Claims. (Cl. 83—85.)



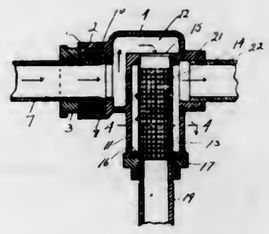
1. A process of concentrating ores comprising the operations of introducing a mixture of a non-frothing gas and a frothing agent in gaseous form into an ore pulp by agitating the ore pulp in the presence of said gaseous mixture, whereby fine bubbles are formed to which certain mineral particles in the ore adhere as said bubbles pass through the pulp, causing said mineral-bearing bubbles to form a froth above the pulp, and separating mineral carried by the froth from the remainder of the ore.

1,508,479. SPRING LUBRICATOR OR PROTECTOR. FRANK N. SEALAND, Cleveland, Ohio, assignor to The Jeavons Manufacturing Co., Cleveland, Ohio, a Corporation. Filed May 22, 1923. Serial No. 640,706. 8 Claims. (Cl. 267—37.)



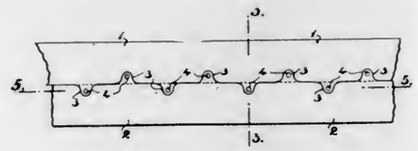
2. A spring cover for automobile and like springs, combined with a clip cover united thereto, and fastening means for the spring cover engaging the clip cover to hold it in operative position.

1,508,480. TRAP FILTER FOR IRRIGATION. CHARLES W. SKINNER, Newfield, N. J. Filed Apr. 27, 1923. Serial No. 634,960. 2 Claims. (Cl. 210—165.)



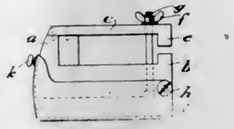
1. In combination with a main line or supply pipe of an irrigating system; a head so fitted upon the end of said main line as to be capable of oscillation; a barrel formed with the head and partly projecting in the latter; a chamber formed within the head communicating with the supply pipe; a tubular screen located within the barrel having its upper end in communication with the chamber; a coupling secured to the lower end of the barrel and adapted to hold the screen in place; a trap secured to said coupling, said trap being in a vertical line with said screen, and a sprinkler pipe communicating with the space surrounding said screen.

1,508,481. METAL BELT. AUGUST ERLAND SONESSON, Birmingham, England. Filed Aug. 18, 1923. Serial No. 658,096. 4 Claims. (Cl. 198—193.)



1. A metal belt including a plurality of component longitudinal belt sections arranged side by side their adjacent longitudinally disposed edges being joined together by means of projecting parts on one edge overlapping and being secured to the other edge, so that portions of each belt section alternately overlap and are overlapped by portions of the adjacent section.

1,508,482. SECURING DEVICE FOR USE IN SHARPENING SCISSORS. SAMUEL STEPHENS, Calgary, Alberta, Canada. Filed Jan. 22, 1923. Serial No. 614,162. 1 Claim. (Cl. 51—221.)



An article of the class described comprising a clamp built up in two parts, the upper part being demountable from the lower part and held in relation thereto by a clamping bolt, jaws at one end of the said clamp between which an article to be ground is securely held, a mounting in the form of a shoe pivoted to the end of the clamp beneath the jaws the other end of the shoe being in engagement with the clamping member by means of an adjusting screw.

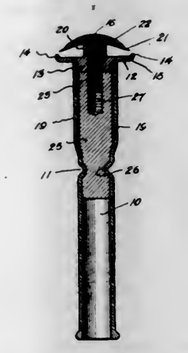
1,508,483. PYROXYLINE COMPOSITION AND PROCESS. JOHN H. STEVENS, South Orange, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Oct. 1, 1921. Serial No. 504,742. 21 Claims. (Cl. 106—37.)

7. A plastic composition containing pyroxyline, a chloral, sufficient camphor to impart solvent power, and amyl acetate.

1,508,484. PYROXYLINE COMPOSITION AND PROCESS. JOHN HENRY STEVENS, South Orange, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Aug. 14, 1923. Serial No. 657,430. 12 Claims. (Cl. 106—37.)

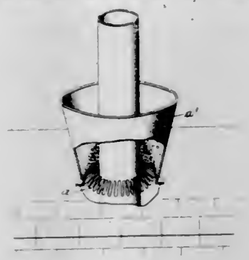
1. A plastic composition containing a mixture of pyroxyline, a chloral in predominant proportion, camphor in small proportion and ethyl acetate.

1,508,485. SAFETY RAZOR. CHARLES M. SZIRMAY, New York, N. Y. Filed Mar. 7, 1923. Serial No. 623,426. 2 Claims. (Cl. 30—12.)



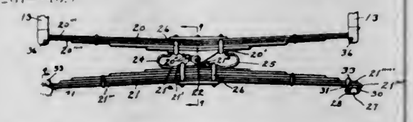
1. In a safety razor, the combination of a head adapted to support a razor blade, the under side of said head having a downwardly projecting threaded hub having a flat and smooth lower surface, a plate having a threaded shank projecting through the head and hub, a handle, the upper end portion of which is skeletonized into a yoke comprising a plurality of straps and a thimble threaded upon said hub, a nut journaled within the yoke between said straps and cooperating with said shank and plate and the lower hub surface to exert pressure upon the blade when the nut is rotated, by reaction against said lower surface.

1,508,486. DEVICE FOR INTRODUCTION OF THE ELECTRODES IN ELECTRIC FURNACES. FILIP THARALDSEN, Christiania, Norway. Filed Sept. 6, 1922. Serial No. 586,543. 6 Claims. (Cl. 204—64.)



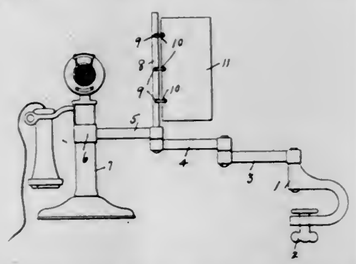
1. A device for protecting electrodes in electric furnaces comprising a hopper surrounding the electrode opening in the furnace, an elastic medium in the lower part of said hopper, and a layer of grained material on said elastic medium.

1,508,487. SPRING. LINDSAY H. TIMMONS, Des Moines, Iowa, assignor of one-half to George B. Frost, Des Moines, Iowa. Original application filed Aug. 3, 1922. Serial No. 579,490. Divided and this application filed Feb. 2, 1924. Serial No. 690,115. 18 Claims. (Cl. 267—46.)



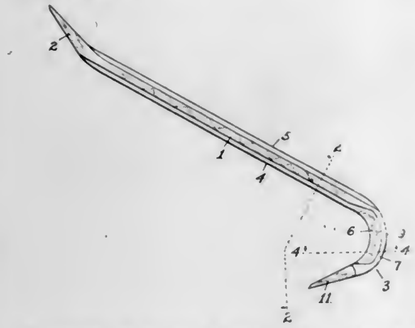
1. In a spring construction, the combination with a frame and rear axle, of rear side springs carried by said rear axle and pivoted to the frame at their forward ends, and rear end springs connected substantially at their centers and extending across the rear end of the frame and the rear ends of said side springs, one of said rear end springs pivotally connected at its ends to the rear ends of the frame and the other rear end spring overlapping the rear ends of the side springs, and rolling contact members interposed between said overlapping end portions of the springs.

1,508,488. TELEPHONE ARM AND CALL-CARD HOLDER. MICHAEL TRETICK, Baltimore, Md. Filed July 18, 1921. Serial No. 485,530. 1 Claim. (Cl. 248—1.)



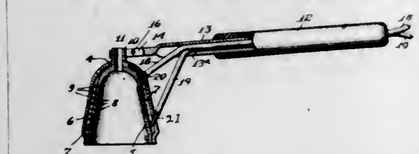
A telephone arm and call card holder comprising a folding arm comprising a number of pivoted sections, a clamp pivoted to one end of said arm to hold the latter in position, a thumb-screw fitted in said clamp, means at the other end of said arm adapted to hold a telephone, a rod projecting upward from said arm and forming the pivot between two of the sections of said arm and having a number of apertures therein, a number of split rings fitted in said apertures, and a number of call cards adapted to be held to said rod by said rings.

1,508,489. RIPPING BAR AND METHOD OF MAKING SAME. FRANK J. VLCHEK, Cleveland, Ohio, assignor to The Vlchek Tool Company, a Corporation of Ohio. Filed July 8, 1922. Serial No. 573,564. 3 Claims. (Cl. 254—25.)



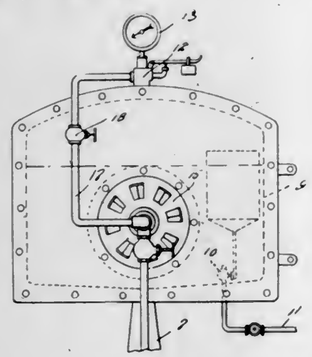
3. A ripping-bar having a hook, the hook having a central rib and oppositely extending flanges at the rear side of the rib to provide a supporting surface for the hook, and a longitudinal extending groove pressed in the rear side of the hook, substantially as described.

1,508,490. ELECTRIC HEATING DEVICE. GEORGE A. WIECHERT, Howard Beach, and JESSE E. JUDD, New York, N. Y., assignors to Casting Research, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1923. Serial No. 639,248. 7 Claims. (Cl. 219—19.)



1. A device of the character described comprising a handle, a heating dome mounted upon said handle and carried thereby, a heating wire carried by said heating dome, and electrical connections to said heating wire.

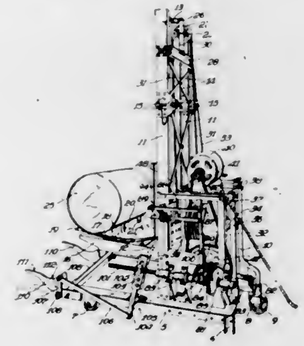
1,508,491. OIL BURNER. JOHN W. WOODS, Winnett, Mont. Filed June 1, 1923. Serial No. 642,732. 1 Claim. (Cl. 158—75.)



An oil burner comprising a water jacket body having an end portion adapted to serve as a stove opening closure and being diametrically reduced at its opposite end portion, a heater attached to the body, and disposed under the diametrically reduced end portion thereof,

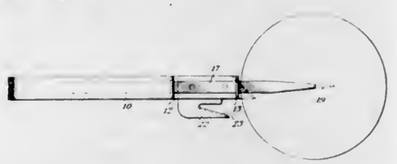
the opposite end walls of the body being provided with openings, a tube located interiorly of the body and traversing the length thereof, and spaced from the upper and lower and side walls of the body, the axis of the tube being in alignment with the centers of the openings in the end walls of the body, a valve controlled pipe for supplying water to the interior of the body, a float operatively connected with the valve of said pipe, and adapted to control the quantity of water admitted to the body, a damper structure connected with the end of said tube and passing through the opening in the larger end wall of the body, an oil nozzle extending into the chamber and positioned in alignment with the axis of the damper and the tube, and means for conducting steam from the upper portion of the larger end of the body to the nozzle.

1,508,492. HOISTING MACHINE. FRED WRIGHT, North Chicago, Ill., assignor, by mesne assignments, to Standard Conveyor Company, North St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 3, 1922. Serial No. 526,569. 20 Claims. (Cl. 214—95.)



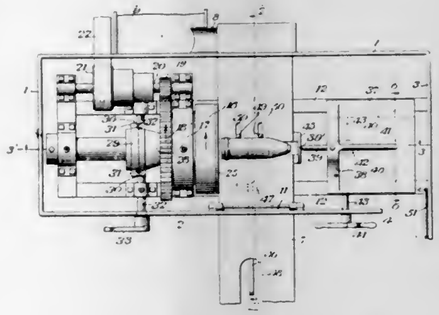
1. In combination, a load carrying surface, a pair of rigid stop members projecting from said surface and adapted for cooperation with one side of the load, a pair of yieldable studs for receiving the load upon delivery of the same to said surface, said studs being thereafter projected into engagement with the opposite side of the load to hold the same against displacement.

1,508,493. CAN OPENER. HERMAN O. ZBINDEN, Seattle, Wash., assignor of one-third to Joseph A. Marquis and one-third to Victor E. Graves, both of Seattle, Wash. Filed Sept. 1, 1923. Serial No. 660,590. 1 Claim. (Cl. 30—3.)



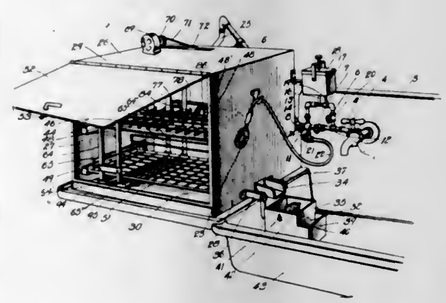
A can opener embodying a handle formed from a single length of material and including parallel members spaced apart for the major portion of their length, one of said members including a U-shaped end portion, the parallel sides of which are provided with aligned openings, a centering element slidable through said openings and in the space between the handle members, said element terminating to provide an offset pointed extremity, a cutting blade arranged on the other member of the handle and including an inclined cutting edge projecting forwardly of the handle, and a cutting edge projecting from one side thereof, and means for securing the cutting blade and the adjacent ends of the handle members together.

1,508,494. MACHINE FOR REMOVING THE BOOSTER CHARGE FROM A HIGH-EXPLOSIVE SHELL. GUSTAVE ALLISON, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,756. 15 Claims. (Cl. 29—88.2.)



1. The combination of a casing, a rotatable chuck therein, means for delivering shells to said chuck within the casing, a removing tool within the casing, means for bringing said removing tool into engagement with the booster casing in the end of the shell to thereby force the shell into the chuck, and means for rigidly gripping the shell in the chuck.

1,508,495. DISHWASHER. ERIC W. BACHARACH, Kansas City, Mo. Filed Jan. 7, 1922. Serial No. 527,609. 3 Claims. (Cl. 141—9.)

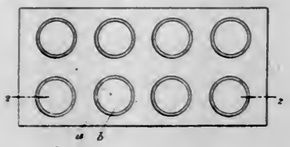


2. A washing machine comprising a casing, means for supporting dishes within the casing, a water distributor within the casing and mounted for reciprocatory movement, a driven belt within the casing, and means for connecting the water distributor to the belt.

1,508,496. MOLD FOR USE IN THE MANUFACTURE OF CHOCOLATES. ANTHONY ANGELO BALLATORE, Glasgow, Scotland, assignor to Carsons Limited, Glasgow, Scotland. Filed Mar. 28, 1921. Serial No. 456,134. 3 Claims. (Cl. 107—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

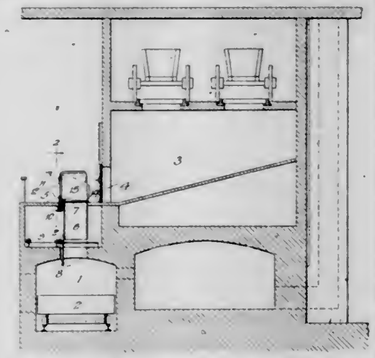
1. A flexible mold for use in the manufacture of chocolates, made of a gelatinous composition constituted by gelatine and glycerine mixed together in substantially

the proportions 36 lbs. of gelatine by weight and 3 gallons of glycerine by measure, whereby a permanently flexible mold is obtained whose surface becomes glossy



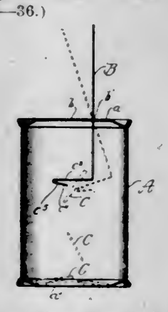
when immersed in hot water, thereby ensuring the easy and clean separation of the chocolates from the mold.

1,508,497. CHUTE GUARD. ROBERT BALMER, Toronto, Ontario, Canada. Filed Mar. 5, 1924. Serial No. 697,106. 6 Claims. (Cl. 214—35.)



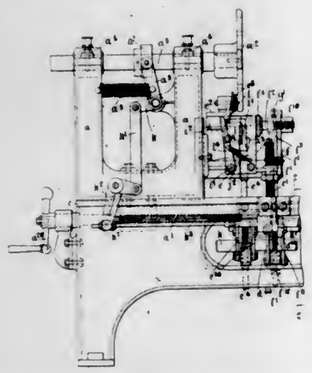
1. A chute-guard composed of a plurality of vertically disposed members spaced apart and extending first upwardly, then horizontally, and then downwardly, and terminating at a height above the floor equal to the inside length of their horizontal extension.

1,508,498. ADVERTISING NOVELTY. EDWARD E. BARNES, Chicago, Ill., assignor to Calumet Baking Powder Company, Chicago, Ill., a Corporation of Illinois. Filed July 17, 1922. Serial No. 575,526. 3 Claims. (Cl. 46—36.)



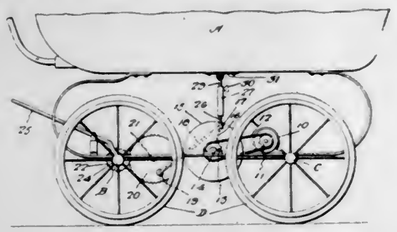
1. A device of the class described, comprising a receptacle, a movable member extending through a slot formed in the top of said receptacle, said member having shoulders formed on the outer edges thereof approximately mediate its length whereby said movable member is held in suspension through said slot, the upper exposed portion of said movable member having an image displayed thereon, the lower portion of said movable member terminating in a shelf extending at an angle to the body and in position to be struck by a coin deposited in the receptacle.

1,508,499. FLANGING AND SEAMING OF SHEET METAL. GEORGE WILLIAM BERRY, Wakefield, England, assignor of one-half to Charles Joseph Rhodes, Wakefield, England. Filed Feb. 21, 1924. Serial No. 694,220. 17 Claims. (Cl. 113—23.)



1. The method of connecting closures to the ends of cylindrical bodies, consisting in providing a cylindrical body and a flanged disk closure for the end of said body, inserting the flanged disk in the end of the cylindrical body, then flanging said body and disk flange laterally to extend in contiguous relation to each other, then curling said flange portion of the body and disk flange into interlocking relation, and then flattening the same, said flanging, curling and flattening being performed automatically in successive sequence.

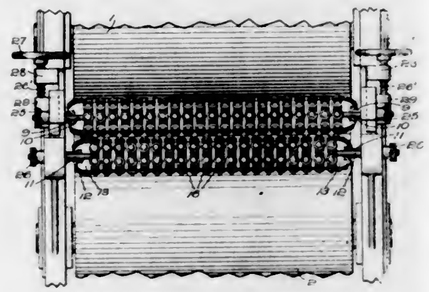
1,508,500. CARRIAGE-ROCKING DEVICE. WILLIAM JOSEPH BINGEN and HARRY WILLARD OLSEN, Larimore, N. Dak. Filed Feb. 3, 1922, Serial No. 533,997. Renewed Feb. 9, 1924. 3 Claims. (Cl. 180—1.)



1. An attachment for baby carriages comprising a motor mounted on the carriage frame, a pinion on one axle which has a pair of wheels secured thereto, the axle being rotatable through the frame, an intermediate segmental gear journaled on the frame and meshing with said pinion, a disk journaled on the frame, means for driving said disk from the motor, a pitman pivotally connected with the disk and with said segmental gear, and an arm member pivotally connected with the bottom of the carriage body and with said disk, whereby the carriage will be moved back and forth simultaneously with up and down movement of the body thereof.

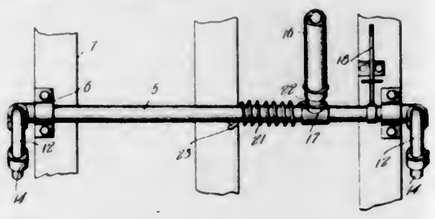
1,508,501. CLOTH OR SHEET STRETCHING MECHANISM AND PROCESS. SYDNEY BIRCH, Mansfield, Mass. Filed June 15, 1922. Serial No. 568,638. 15 Claims. (Cl. 26—54.)

1. That process of stretching sheet like material comprising imparting relative travel in one direction and in substantially a straight path to said material and during such travel crimping the same while preventing inward



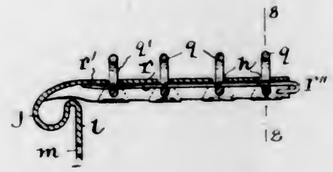
movement of the material from the lateral edges and also preventing longitudinal slippage, thereby causing stretching of said material between said edges.

1,508,502. SWITCH CLEANER. WALTER W. BRISSON, Norway, Mich. Filed Oct. 2, 1923. Serial No. 666,138. 1 Claim. (Cl. 299—31.)



In a device of the character described, a pipe disposed in a horizontal plane and rotatable on its axis, rearwardly extended pipes connected with the first mentioned pipe, downwardly extended pipes having connection with the last mentioned pipes and carrying nozzles on their free ends, a spring coiled around the first mentioned pipe and acting thereon to hold said nozzles in their normal inoperative positions, means for rotating the first mentioned pipe to move said nozzles downwardly to operative positions, means for restricting the rotary movement, and means for supplying steam to said first mentioned pipe.

1,508,503. SHUTTLE TENSION. JACOB P. BROWN and JOSEPH A. STRANG, Paterson, N. J. Filed Oct. 24, 1923. Serial No. 670,582. 6 Claims. (Cl. 139—214.)



1. A tension device including a body member having openings therein at intervals, guides resting on said member at one side thereof and projecting through the respective openings and at the other side of said member, and means, at and bearing against the other side of said member and extending through the guides, for securing them to said member.

1,508,504. HEEL FOR BOOTS AND SHOES. JAMES DE SELDING BROWN, New York, N. Y. Filed July 28, 1922. Serial No. 578,102. 3 Claims. (Cl. 36—34.)



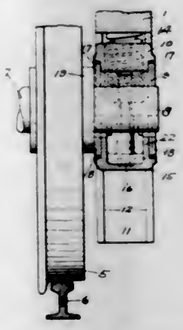
1. As an improved article of manufacture, a heel comprising a molded block composed of sawdust and a soluble binder, and saturated with nitrocellulose.

1,508,505. GRASS-EDGE TRIMMER OR CUTTER. GEORGE FREDERICK BULL, Birmingham, England, assignor of one-half to Charles H. Pugh Limited, Birmingham, England. Filed Dec. 29, 1922. Serial No. 609,574. 5 Claims. (Cl. 97—227.)



2. A grass edge trimmer comprising a ground roller of taper formation, a rotary cutter carried by the ground roller, and a forwardly-extending fixed cutter adjacent the larger end of the ground roller and having an upwardly-presented cutting edge disposed in a substantially horizontal plane.

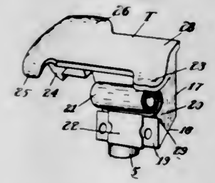
1,508,506. JOURNAL BOX. FRED C. COSEO, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 25, 1923. Serial No. 659,367. 3 Claims. (Cl. 64—24.)



1. In a bearing of the class described, the combination with a journal box having a removable antifriction metal journal lining, an axle having a journal bearing upon said lining, an oil box secured to said journal box below said

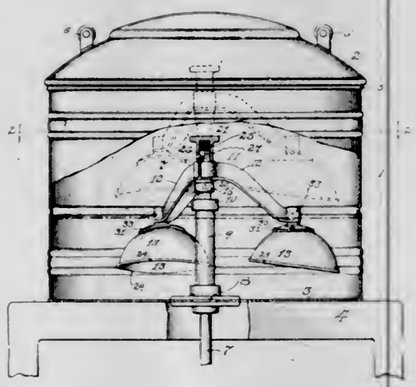
axle journal, and an antifriction metal plate attached to said oil box and cooperating with a flange of said linings to form a thrust bearing adapted to engage a member on said axle to limit its longitudinal movement relative to the journal box.

1,508,507. SHUTTLE. JEAN BAPTISTE DAUDELIN, Fall River, Mass. Filed Jan. 18, 1922. Serial No. 530,190. 8 Claims. (Cl. 139—223.)



1. In an automatically threading shuttle having a weft carrier, an eye, and a threader located between said weft carrier and eye, a guide carried by said threader and consisting of a plurality of spaced helical turns laid in a direction opposite to the unspooling action of the weft whereby the weft will automatically work itself inwardly towards the center of the guide as it runs from the weft carrier.

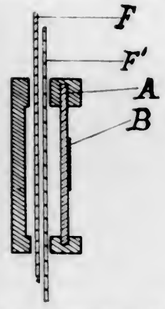
1,508,508. WASHING-MACHINE MECHANISM. JAMES W. DAWSON, Belvidere, Ill., assignor to National Sewing Machine Company, Belvidere, Ill., a Corporation of Illinois. Filed Jan. 4, 1924. Serial No. 684,312. 7 Claims. (Cl. 259—144.)



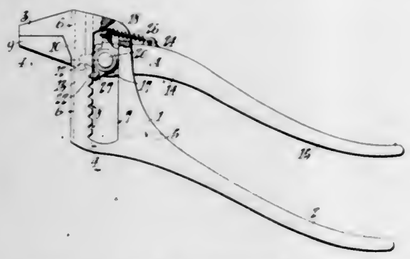
1. A reciprocating, non-rotatable shaft, a cap member mounted thereon, and interengaging elements removably locking said shaft and cap member together, in combination with a collar fixed to the shaft at a point below the cap member and a member, freely rotatable about the shaft, positioned between the cap member and said collar and resting upon the latter.

1,508,509. METHOD OF MASKING PHOTOGRAPHIC FILM WHILE EXPOSURE IS BEING MADE. LEON F. DOUGLASS, Menlo Park, Calif. Filed July 15, 1922. Serial No. 575,310. 3 Claims. (Cl. 95—79.)

3. The method of producing two separate images on a positive film which comprises inserting an opaque member of particular shape supported by a transparent member within a printing machine, exposing the positive film to the light rays proceeding through the transparent support and a selected negative film, substituting for the first mentioned opaque member another opaque member adapted to cover the portion of the transparent support not covered by the first opaque member, inserting the transparent support and the opaque member within the printing machine, and exposing the portions of the positive film not previously exposed to the light rays proceeding through the transparent support and a second selected negative film.

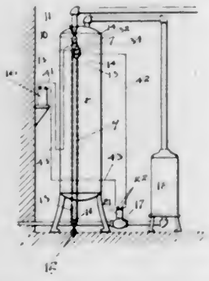


1,508,510. PLIERS. CHARLES S. EDWARDS, Prineville, Oreg. Filed Mar. 17, 1923. Serial No. 625,793. 8 Claims. (Cl. 294—42.)



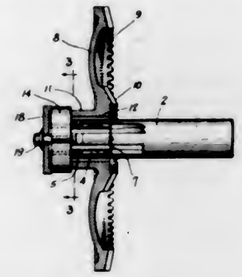
1. In pliers of the class described, a relatively stationary body having a handle portion, a stationary jaw portion, cut out portions for forming guideways, and slotways for forming adjustable fulcrum supports; a movable jaw; a lever for actuating the movable jaw; and means for adjustably pivoting said lever for varying the working capacity of the fixed and movable jaws.

1,508,511. HEAT REGULATOR. ARTHUR F. ERICKSON, Portland, Oreg. Filed Sept. 6, 1921. Serial No. 498,832. 5 Claims. (Cl. 236—88.)



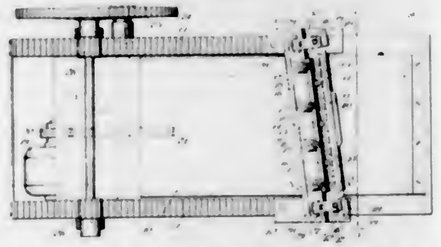
1. A thermostat; mechanism for slidably mounting said thermostat adjacent a hot water tank; an electromagnetically operated valve controlling the gas supply to a gas water heater; said valve and said thermostat being connected into an electric current circuit.

1,508,512. RATCHET MECHANISM. FRED E. FARLEY, Greenfield, Mass., assignor to Goodell-Pratt Company, Greenfield, Mass., a Corporation of Massachusetts. Filed June 21, 1923. Serial No. 646,774. 1 Claim. (Cl. 192—43.)



A ratchet mechanism, comprising a shaft provided with a pair of longitudinally extending recesses, a gear wheel mounted for rotation on said shaft and having a hub provided with internal ratchet teeth, a rockable pawl in each of said recesses and adapted to project beyond the periphery of said shaft into engagement with said ratchet teeth thereby to lock the shaft and gear wheel for rotation together, said shaft having a circumferential recess, a spring disposed in said recess engaging both of said pawls to retain them in operative position, a rotatable cam disc, and a pair of cam members for each of said pawls, one of said members being adapted to rock its pawls against the tension of said spring out of engagement with said ratchet teeth, and the other of said members being adapted to lock said pawl in its disengaged position.

1,508,513. PLATE SHAVING MACHINE. WILLIAM A. FIELD, Chicago, Ill. Filed May 14, 1923. Serial No. 638,855. 7 Claims. (Cl. 30—25.)



7. In a plate-shaving machine, the combination with a plate-holding bed, a blade-carrying bar arranged transversely over the bed, a blade secured thereto, and means for moving said bar to cause the blade to operatively engage a plate on said bed, of two arms movably connected with end portions of said blade-carrying bar and projecting forwardly therefrom, said arms having elongated openings in their forward portions, means for locking said arms in operative position, a second bar having its ends projecting into said openings, resilient means carried by said arms for supporting the end portions of said second bar, said second bar having a downwardly and rearwardly inclined suface, and means secured against such inclined surface adapted to bear against such plate in close proximity to the edge of said blade.

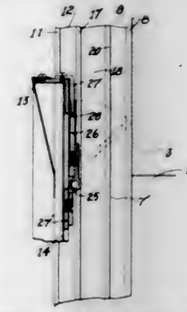
1,508,514. CIGAR-HOLDING DEVICE. LAWRENCE C. FURTON, Detroit, Mich. Filed Feb. 16, 1922. Serial No. 536,874. 2 Claims. (Cl. 131—10.)

2. A cigar or cigarette holding device for attachment to a holder and comprising a metallic band to embrace the holder and detachably hold the device in place upon the holder, said band being formed with an opening adjacent one end and a bendable tongue upon its opposite end to engage said opening, said band being also formed with integral laterally extending spring arms and pairs of outwardly extending lugs in longitudinal alignment with said spring arms, and holding arms pivotally supported intermediate their ends between said lugs with an end



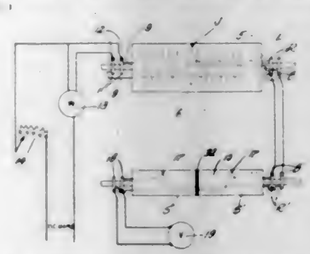
portion of each arm engaged by the adjacent spring arm to hold said arms turned upon their pivotal supports, said holding arms being formed with heads extended and curved transversely of said holding arms to embrace a cigar held in the holder, said holding arms being extended beyond the end of said holder to engage said heads with the cigar at a distance beyond the end of the holder.

1,508,515. ELEVATOR DOOR AND THE LIKE. WAINWRIGHT B. GERVAIS, Chicago, Ill., assignor to Variety Fire Door Company, Chicago, Ill., a Corporation of Illinois. Filed June 17, 1922. Serial No. 569,049. 7 Claims. (Cl. 189—46.)



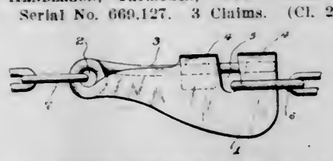
1. In combination, a wall having an opening therethrough, a door including a vertically movable portion spaced from said wall to form a pocket for the reception of a second vertically movable door portion, means carried by said first door portion for closing the space between said portion and the wall and means fusible at a predetermined temperature for retaining said closing means in open position.

1,508,516. INSTRUMENT FOR THE AUTOMATIC DETERMINATION OF MOISTURE IN PAPER OR TEXTILES. ARTHUR R. HARVEY, Middletown, Ohio. Filed Dec. 13, 1923. Serial No. 680,478. 6 Claims. (Cl. 73—51.)



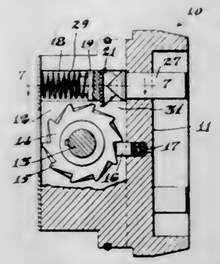
1. In an instrument for the automatic determination of moisture content in a web while moving during its course of manufacture, means for supplying heat to said web, means sensitive to the difference between the temperature of the heat supplying means and that of the web before being heated by said heating means, and an indicator under the influence of said heat sensitive means for indicating the moisture content of said web.

1,508,517. AUTOMOBILE CHAIN FASTENER. CLARA MAY HENDERSON, Yarmouth, Iowa. Filed Oct. 17, 1923. Serial No. 669,127. 3 Claims. (Cl. 24—237.)



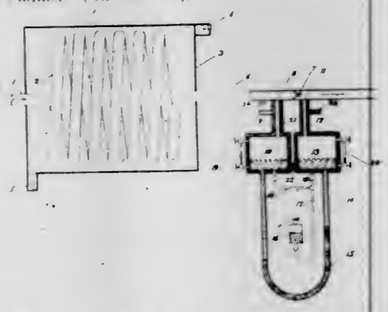
1. A chain fastener comprising a body having a spring element at one end and a securing bar extending from the spring element longitudinally of the body at one side thereof, a prong extending transversely from the other end of said body and a prong extending from the body in spaced relation to the first prong, said body being provided with a recess extending transversely thereof from between said prongs and adapted to receive a chain link put in place about the first prong, said securing bar when engaged with said prongs extending across the recess to retain the chain link in place.

1,508,518. PUSH BUTTON FOR OPERATING ROTARY-TUMBLER LOCKS. ELERT A. HILL, Los Angeles, Calif., assignor to Stop-Burglar Lock Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 27, 1922. Serial No. 590,978. 5 Claims. (Cl. 70—54.)



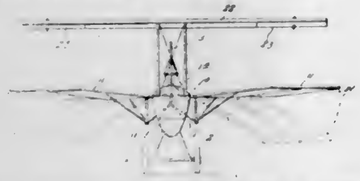
1. In a push-button for operating rotary tumblers in combination with a revoluble tumbler having ratchet teeth, a slide block guided to move at right angles to the axis of rotation of said tumbler, a spring for exerting a retractive effort on said block, a push-button for advancing said block in opposition to said spring, and a pawl loosely supported between said block and push-button adapted to move in and out of engagement with the ratchet teeth on advancing and retracting said push-button.

1,508,519. HEAD METER. GEORGE A. HORNE, Plainfield, N. J. Filed Dec. 29, 1923. Serial No. 683,527. 6 Claims. (Cl. 73—167.)



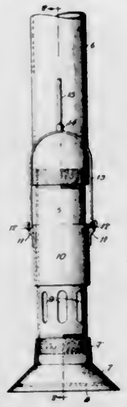
6. The combination with a conveyer for compressed and condensed volatile refrigerant, of means for supercooling said refrigerant as it passes thru said conveyer, and a head meter connected to said conveyer, said meter being provided with a cooling medium jacket for preventing any vaporization of the volatile fluid within said meter.

1,508,520. FLYING MACHINE. JAMES E. KEMPH, Washington, D. C. Filed May 28, 1923. Serial No. 641,859. 3 Claims. (Cl. 244—17.)



2. In combination, an aeroplane having a fuselage provided with a cock pit for the operator, elevating planes for controlling the ascent or descent of said plane, a lever pivotally mounted in the cock pit of said plane, a steering wheel rotatably mounted on said lever, operating connections between the elevating planes and the steering wheel for operating said planes in the rotation of the steering wheel in either direction, wings movably mounted on said aeroplane, and connections between said lever and said wings for effecting a movement of the wings in the movement of the lever, to position the wings into cooperation in one position for effecting a balancing, supporting and elevating action on the aeroplane, and into a nonsupporting relation in another position.

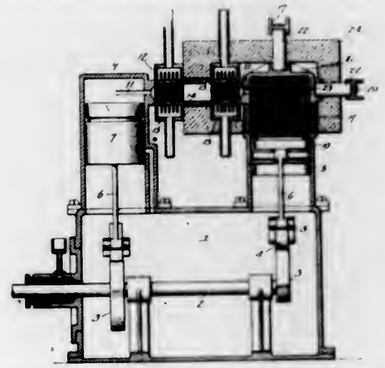
1,508,521. EXCAVATOR. JOHN W. KREUSER, Chicago, Ill. Filed Nov. 3, 1922. Serial No. 598,743. 3 Claims. (Cl. 37—58.)



1. In a hydraulic excavator, the combination of a depending suction tube having a port formed in the wall thereof near its lower end, a mouthpiece attached to the lower end of said tube and equipped with a screen, a sleeve valve mounted to slide endwise on said suction tube for opening and closing said port, manually operable means for actuating said valve, and stops for limiting the extent of movement of said valve.

1,508,522. REFRIGERATING MACHINE. IVAR LUNDGAARD, Hartford, Conn., assignor to The Automatic Refrigerating Company, Hartford, Conn., a Corporation of New Jersey. Filed Nov. 21, 1923. Serial No. 676,053. 2 Claims. (Cl. 62—136.)

2. An air refrigerating machine of the closed cycle type comprising a crank case, a compression cylinder, an expansion cylinder, the said expansion cylinder having a heat insulating band between the head and the base of the cylinder, both cylinders opening into the crank case and having closed outer ends, a conduit connecting the closed ends of the cylinders, heat exchangers in said conduit for discharging heat into a cooling fluid and abstracting heat from a fluid to be cooled, a heat insulating section between the exchangers,



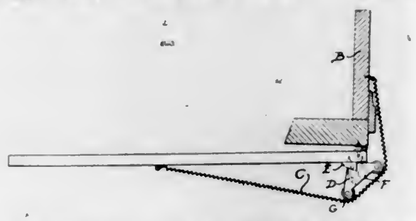
pistons in said cylinders, a driving shaft in the crank case, interconnected mechanism between the shaft and pistons operating to transfer the air from one cylinder to the other through the said exchangers, heat insulating cover for the expansion piston and a heat insulating jacket surrounding the expansion cylinder and its adjacent exchanger.

1,508,523. DISPLAY HOLDER. HENRY C. NATERMAN, Los Angeles, Calif. Filed July 3, 1923. Serial No. 649,312. 2 Claims. (Cl. 40—19.)



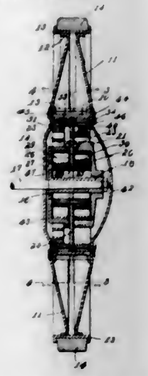
1. A device of the class described, comprising a frame provided with aligned bearings, a transparent tube mounted in said bearings for rotation, and means mounted on said frame and engaging said cylinder to prevent an accidental rotation.

1,508,524. SCREEN-DOOR PROTECTOR AND SPRING GUIDE. OLAF W. OLSON, Burbank, Okla. Filed July 9, 1923. Serial No. 650,394. 5 Claims. (Cl. 16—72.)



1. The combination with a door and door casing, and a coil spring connecting said door and casing for normally holding the door in a closed position, of a bracket carried by said door, a supporting frame pivotally carried by said bracket, and a pair of spaced rollers carried by said frame and adapted to engage said spring in spaced relation to each other longitudinally of the spring and prevent the spring from contacting with said door when the latter is opened and to prevent the spring from being bent at a sharp angle when the door is opened.

1,508,525. SPRING WHEEL. JOSÉ ANGEL PARRA, El Paso, Tex. Filed Aug. 31, 1923. Serial No. 660,420. 4 Claims. (Cl. 152—44.)



1. A spring wheel comprising a hub structure including a pair of sections of cup like formation secured together and adapted to be mounted upon a spindle, a drive connection between said sections, an outer wheel portion including a channeled ring carrying disks in turn carrying a rim, and a plurality of coil and leaf springs arranged in series between the hub structure and said channeled ring.

1,508,526. PLUG FOR OIL WELLS AND SIMILAR PURPOSES. BENJAMIN EUGENE PARRISH, Honeygrove, Tex., assignor of one-half to Darwin W. Maurer, Dallas, Tex. Filed Oct. 30, 1922. Serial No. 597,908. 16 Claims. (Cl. 166—13.)

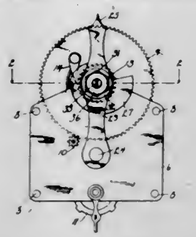


1. In an appliance of the class described, a substantially hollow body, lowering means, an internal valve seat and a cooperating valve, and means for closing the valve when the lowering means is disconnected, the lowering means being arranged when in active position to definitely prevent valve closing.

1,508,527. RESETTABLE TIMING MECHANISM. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Jan. 4, 1924. Serial No. 684,439. 4 Claims. (Cl. 161—1.)

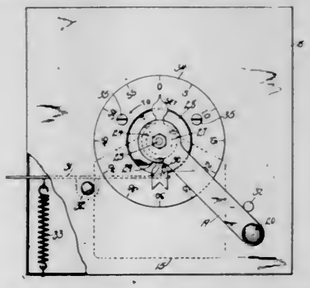
1. In a resettable timing-mechanism, the combination with the winding-arbor of a time-train, of a combined

winding-and-setting lever mounted upon the projecting outer end of the said arbor and having a tripping-cam rigidly connected with it, and a friction device also



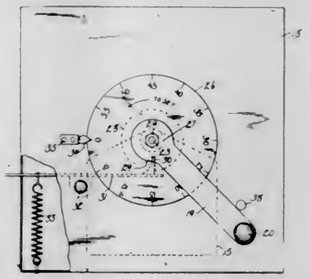
mounted upon the outer end of the arbor adjacent to the said combined winding-and-setting lever and frictionally connecting the same with the arbor.

1,508,528. TIMING MECHANISM. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Feb. 11, 1924. Serial No. 691,972. 4 Claims. (Cl. 161—1.)



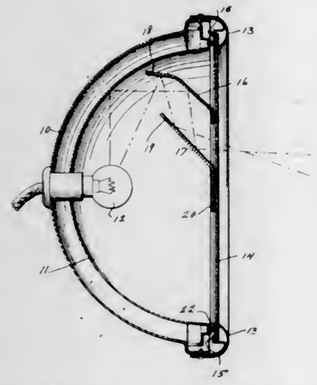
1. In a timing-mechanism, the combination with a time-train having a winding-arbor, of a winding-lever for rotating the said arbor, means for securing the said lever against outward displacement on the said arbor, a setting-manual, a plate-cam rotating therewith as a unit, an indicator for cooperation with the setting manual, and means interposed between the said winding-lever and setting-manual for frictionally coupling the said manual and cam with the arbor for normal rotation therewith.

1,508,529. TIMING MECHANISM. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Feb. 11, 1924. Serial No. 691,973. 3 Claims. (Cl. 161—1.)



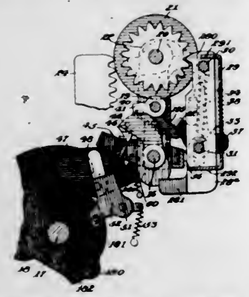
1. In a timing-mechanism, the combination with a time-train having a winding-arbor, of a winding-lever for rotating the said arbor, means for securing the said lever against outward displacement on the said arbor, an operating-unit frictionally mounted upon the arbor and comprising a graduated dial and a plate-cam in fixed relation to each other, a fixed indicating-member adjacent the edge of the dial, and means interposed between the said winding-lever and dial for frictionally coupling the said operating-unit with the arbor for normal rotation therewith.

1,508,530. GLARESHIELD. GEORGE W. POWELL, JOSEPH L. SMITH, and HOWARD E. DIXON, La Grande, Oreg. Filed Dec. 8, 1923. Serial No. 679,434. 6 Claims. (Cl. 240—484.)



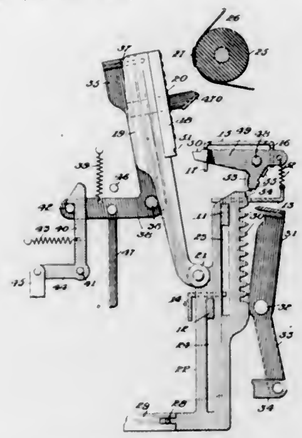
1. The combination with a headlight embodying the usual illuminating element, parabolic reflector and lens, of a glare preventer arranged within the headlight at the upper portion of the lens thereof intercepting upwardly inclining direct rays from the illuminating element to prevent their passage through the lens but permitting the passage of refracted rays about the edges thereof, said glare preventer comprising spaced upper and lower plates arranged above the horizontal plane of the headlight illuminating element, the portions of the plates adjacent the lens being spaced, one of said plates being positioned to reflect light from the headlight illuminating element upon the other of the plates for refraction thereby through such space.

1,508,531. TRANSFER MECHANISM FOR REGISTERS. WILLIAM P. QUENTELL, New York, N. Y., assignor to Quentell Corporation, New York, N. Y., a Corporation of New York. Filed May 21, 1923. Serial No. 640,432. 18 Claims. (Cl. 235—134.)



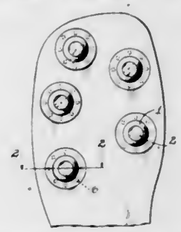
1. The combination with a plurality of registering elements, of means for carrying from an element of lower order to the element of next higher order, a member for controlling said carrying means, and means connected with said element of lower order for actuating said member, said member being adapted to permit said carrying means to operate only when it is moved by said actuating means and then released thereby.

1,508,532. PRINTING MECHANISM. WILLIAM P. QUENTELL, New York, N. Y., assignor to Quentell Corporation, New York, N. Y., a Corporation of New York. Filed May 21, 1923. Serial No. 640,433. 16 Claims. (Cl. 101—94.)



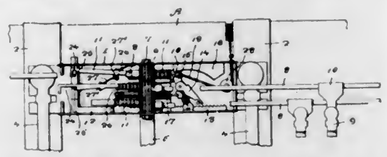
1. In a number printing mechanism, in combination, a series of printing members independently adjustable to print different figures, a common actuator for moving all of said members in the direction to effect the printing impression, means for arresting the effective printing movement of said members, and means for positioning said last named means to permit said members to print.

1,508,533. CLEAT FOR ATHLETIC FOOTWEAR. JOHN R. RICHARDS, Dallas, Tex., assignor of one-half to George Oscar Berg, Madison, Wis. Filed Feb. 7, 1921. Serial No. 443,125. 5 Claims. (Cl. 36—59.)



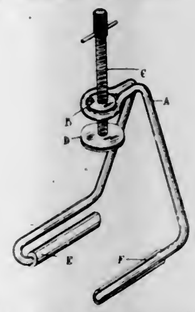
1. A detachable cleat for athletic footwear, said cleat being formed of a nonmetallic body portion and a cambered metallic base.

1,508,534. SHEET-MUSIC TURNER. JAMES PERCIVAL ROSS, Girvin, Saskatchewan, Canada. Filed July 10, 1922. Serial No. 573,887. 1 Claim. (Cl. 84—311.)



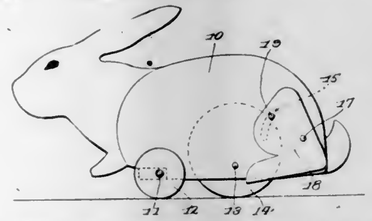
A leaf turner of the class described comprising a casing, a shaft therein, pinions mounted on the shaft, an arm connected with each pinion, a leaf holder adjustably mounted on each arm, a rack bar for engaging each pinion, an L-shaped member having a rack part thereon, a pawl carrying lever, a pawl thereon engaging the rack part, manually operated means for operating the lever, pins on the L-shaped member engaging notches on the rack bars, said notches being of different lengths, means for freeing the pins from the notches after a certain amount of movement of the parts, such means consisting of projections on the rack bars and stationary steps in the casing for engaging the projections for raising the rack bars.

1,508,535. INK BOTTLE FOR DRAFTSMEN. HENRY ROTTENBURG, Cambridge, England. Filed Dec. 11, 1922. Serial No. 606,192. 4 Claims. (Cl. 120—73.)



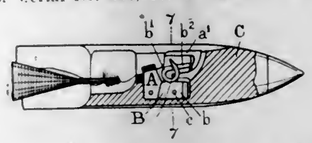
1. A clamp for a draftsman's ink bottle comprising in combination a clamp body with parallel base and head members and a clamping screw threaded in said head member, said base being shaped to support the ink bottle in a stable position under the pressure of said clamping screw and also shaped to engage the shoulders of the ink bottle upon reversal of the clamp.

1,508,536. FIGURE TOY. GEORGE F. SCHENFIELD, San Francisco, Calif. Filed Apr. 5, 1922. Serial No. 549,848. 7 Claims. (Cl. 46—45.)



1. A figure toy comprising a body adapted to be drawn across the surface, a leg member movably carried by the body and normally gravitating toward the surface, and a rotatable surface engaging eccentric member mounted in the body and intermittently engaging with the leg member to lift the same away from the surface and simultaneously lower one end of the body toward the surface.

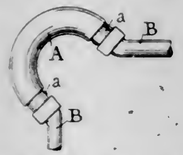
1,508,537. SHUTTLE FOR LOOMS FOR WEAVING. RICHARD STANDRING, Accrington, England. Filed Oct. 2, 1923. Serial No. 666,117. 1 Claim. (Cl. 139—222.)



The combination with a loom shuttle of a threading device formed in two parts, one part comprising a shank, top guide plate, and downwardly depending side

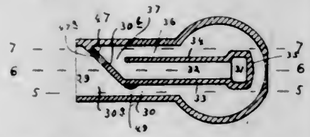
member turned inward with a hook at the bottom end which form passages for the yarn and the other part comprising a curl eye into which the yarn is directed and pins mounted transversely through the two parts to retain them rigidly in position.

1,508,538. CARPET SWEEPER. JAMES TAYLOR, Accrington, England, assignor to Entwisle and Kenyon Limited, Accrington, England. Filed Feb. 23, 1921. Serial No. 447,045. 1 Claim. (Cl. 15—45.)



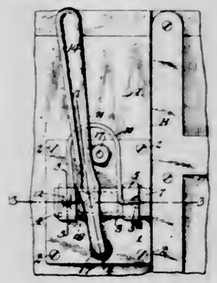
The combination with a carpet sweeper bail of a resilient rubber buffer of tubular formation adapted to embrace and surround the projecting corner of the bail and metal clips by which the buffer is affixed to the bail.

1,508,539. FUEL SAVER AND SMOKE CONSUMER. IRVING S. BENJAMIN and JOHN K. MARKWICK, Utica, N. Y.; said Markwick assignor to said Benjamin. Filed Feb. 25, 1924. Serial No. 694,960. 4 Claims. (Cl. 110—75.)



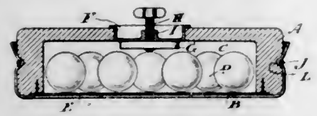
1. In a fuel saver and smoke consumer the combination of a hollow tubular mounting having its outer end adapted to be secured to the inside of the furnace fuel door and a heater member having its outer end secured to the inner end of said mounting with its inner end adapted to project into the combustion chamber of the furnace, said heater member having near its inner end an opening for the admission of hot gases and a passageway leading rearwardly therefrom an air inlet passage leading from the outer end of said heater member forwardly around said gas passageway and back nearly to the outer end of said heater member, a mixing chamber at the junction of said gas and air passageways and a mixture passage tending inwardly and discharging into said combustion chamber through a port in the inner end of said heater member.

1,508,540. LATCH. JOSEPH T. CANTRELL, Huntington, N. Y., assignor to J. T. Cantrell & Company, Huntington, N. Y., a Firm. Filed Nov. 3, 1922. Serial No. 598,927. 5 Claims. (Cl. 292—173.)



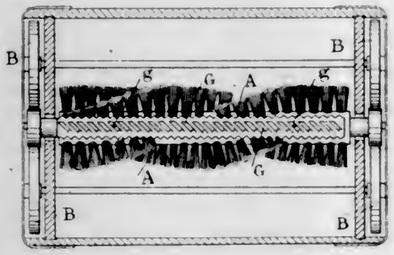
4. A latch comprising a plate, a guide loop arranged on the plate and provided with a recess, a bolt sliding in said loop, a lever pivotally connected with said bolt and plate, and a bow spring engaging said bolt and adapted to enter said recess.

1,508,541. COMBINED FLOOR WAXER AND POLISHER. HENRY JAMES STEWART CROSS, Toronto, Ontario, Canada. Filed Mar. 29, 1923. Serial No. 628,527. 6 Claims. (Cl. 91—37.)



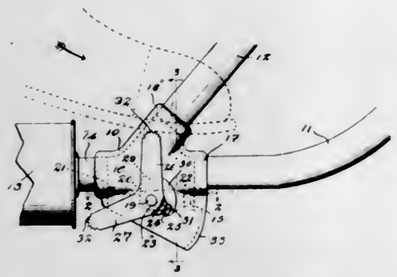
1. A device of the class described comprising a chambered container; a perforated member closing the bottom of said chamber, and a plurality of elements which while partaking of the movement of the device as a whole have individual momental movement apart from the horizontal movement of said member, and in the same and different directions within said chamber and adapted to force the wax therein through said perforated closure member, as said device is moved.

1,508,542. CLEARER FOR THE BRUSHES OF CARPET SWEEPERS. TOM DICKINSON, Accrington, England. Filed June 29, 1923. Serial No. 648,609. 1 Claim. (Cl. 15—48.)



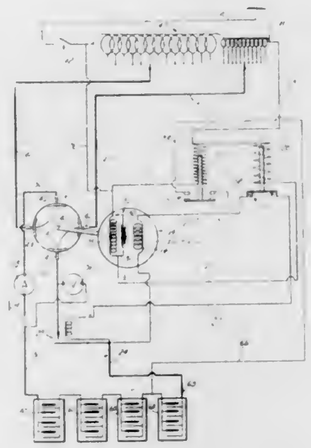
In a carpet sweeper the combination with the rotary brush and the casing of a clearer depending from the top of the casing and provided with diagonal slots, a plurality of blades depending from the clearer to enter between the bristles of the rotary brush and pins projecting from the casing to engage in the slots and impart a longitudinal movement to the clearer as the brush rotates.

1,508,543. MOTOR-TESTING VALVE. CHARLES H. DIENER, Pottstown, Pa. Filed Aug. 1, 1921. Serial No. 488,844. 2 Claims. (Cl. 251—11.)



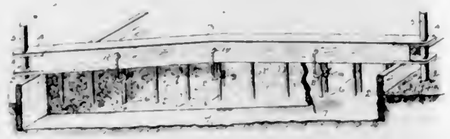
1. A motor testing valve comprising a casing having two inlets and a normal outlet, and having an auxiliary outlet port of large area, a valve to close the auxiliary port movable within the casing to a position intermediately of the inlets, whereby difference of direction in the sounds of exhaust from the two inlets will be produced.

1,508,544. AUTOMATIC SYNCHRONOUS RECTIFYING MECHANISM. FRITZ W. FALCK, Los Angeles, Calif. Filed Jan. 31, 1921. Serial No. 441,195. 5 Claims. (Cl. 171—314.)



1. In apparatus of the character described, a synchronous motor, rectifying means operatively connected with the motor, a battery connected with the discharge of the rectifying means, and means for controlling the connection between the rectifying means and battery controlled by the amount of current drawn by the motor.

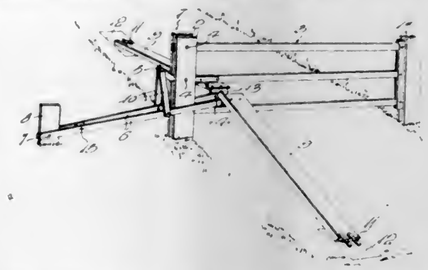
1,508,545. METHOD AND APPARATUS FOR INSTALLING INSERTS IN PLASTIC BODIES. HARRY C. FOSTER, Dayton, Ohio. Filed July 2, 1919. Serial No. 308,116. Renewed Aug. 7, 1924. 10 Claims. (Cl. 94—51.)



1. In a device of the character described, a supporting beam to be arranged transversely in elevated relation above the finished surface of a roadway, a plurality of pins projecting downward from the underside of said beam in fixed relation with each other and arranged in two parallel series between which an insert strip may be positioned, means for supporting the beam in elevated relation above the finished surface of the roadway.

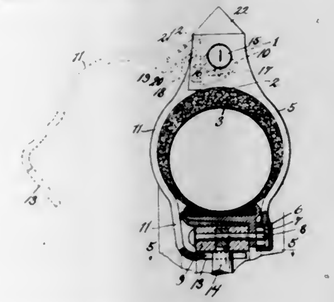
1,508,546. VEHICLE-OPERATED GATE. DANIEL C. FENCHEON, Denver, Colo. Filed Sept. 4, 1923. Serial No. 660,854. 2 Claims. (Cl. 34—18.)

1. The combination with a gate post and a gate pivoted thereto for upward swinging; of an arm extending rigidly from the gate to a point beyond the side of the post remote from said gate, a pair of levers straddling said post and fulcrumed at a point spaced outwardly from the aforesaid side thereof, said levers inclining to points at opposite sides of the gate, a pair of depressible inclined wheel runways transverse to the gate and connected at



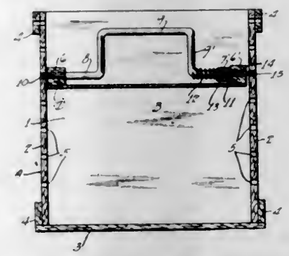
their upper ends to the upper ends of said levers, and means operatively connecting said levers with the aforesaid arm.

1,508,547. ATTACHMENT FOR VEHICLE WHEELS. THOMAS J. GENTLE and REGINALD V. TRYON, Los Angeles, Calif. Filed Feb. 20, 1923. Serial No. 620,194. 3 Claims. (Cl. 70—90.)



1. An attachment for a wheel comprising a tread body; a rigid arm integral with said body said arm having its free end enlarged and provided with a nut socket; a hinged arm pivotally connected to said body said hinged arm having a forked extension adapted to project across the inside periphery of a felly when attached to a wheel; and means connected with said body for locking said hinged arm.

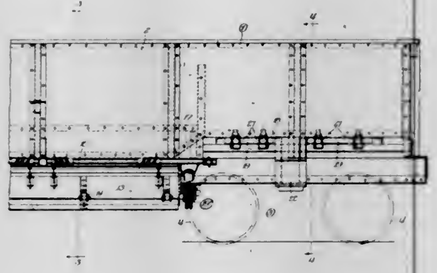
1,508,548. RECEPTACLE OR CONTAINER. WALTER GOTTHEIMER, St. Louis, Mo. Filed July 16, 1923. Serial No. 651,816. 3 Claims. (Cl. 217—64.)



1. A receptacle comprising a contents-containing shell provided vertically upon its walls with a series of spaced aligning openings, in combination with a lid adapted to flatwise adjustably fit within the shell, and means for locking the lid in selected adjusted position to and within the shell, said means including a fixed pin upon the lid

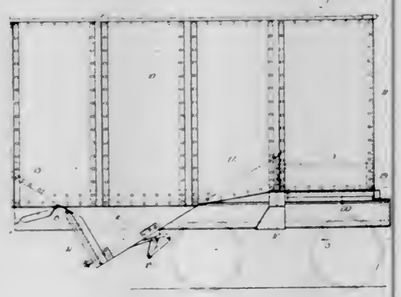
adapted to fit selectively within the openings of one of said series, and a yielding pin upon the lid adapted to fit selectively within the aligning openings of the other series.

1,508,549. CAR CONSTRUCTION. HARRY S. HART, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 22, 1923. Serial No. 669,928. 2 Claims. (Cl. 105—244.)



2. A dump car, including dumping mechanism for dumping intermediate of the length of said car, a sloping bottom wall at each end of said dumping mechanism for directing lading to said dumping mechanism, each of said bottom walls having a substantially straight upper edge, and a flat bottom wall coinciding with said edge, said flat bottom wall including downwardly and outwardly swinging walls for directing lading laterally of said car at the ends thereof.

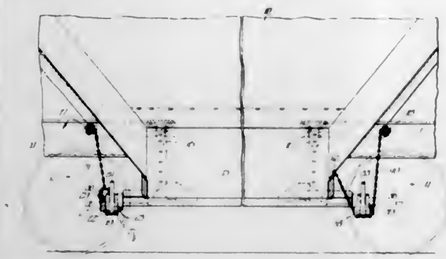
1,508,550. DUMP CAR. DAVID HINDAHL, Chicago, Ill., assignor to Harry S. Hart, Chicago, Ill. Filed May 5, 1922. Serial No. 558,586. 10 Claims. (Cl. 105—249.)



1. A dump car having sides, ends and a floor, the floor portions over the trucks of said car between the end of the car and the bolster being formed with a hopper on each side of the center sill, said floor portions comprising normally horizontal dumping members pivotally mounted along axes arranged longitudinally of said car adjacent to said center sill.

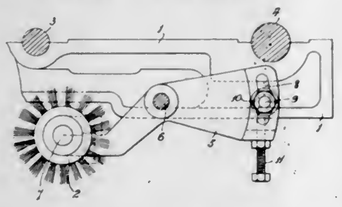
1,508,551. DUMP-CAR CONSTRUCTION. DAVID HINDAHL, Chicago, Ill. Filed Jan. 29, 1923. Serial No. 615,471. 10 Claims. (Cl. 105—250.)

1. Dump car construction comprising a pair of dump doors, a pair of rotatable shafts, said dump doors being provided with link mechanism for locking same in closed position and permitting the practically instantaneous opening thereof, one of said shafts being provided with flexible means for operating said doors to close same and move said link mechanism to holding position, and



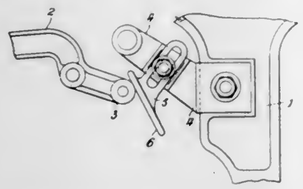
the other of said shafts being provided with means for operating said link mechanism to cause said doors to move to open position.

1,508,552. MACHINE FOR COMBING COTTON, WOOL, OR THE LIKE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed May 5, 1923. Serial No. 636,820. 2 Claims. (Cl. 19—116.)



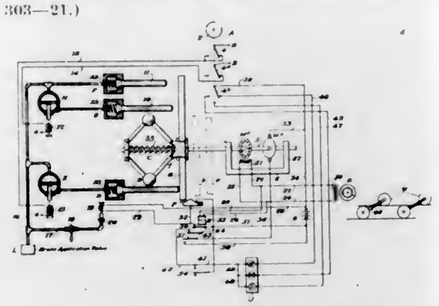
1. In a machine for combing cotton, wool and the like, means for adjusting the stripping brushes, comprising a pivoted rocking lever, said lever at one end carrying the brush shaft upon which the brushes are mounted, and at the other end provided with a slot, a bolt on the frame adapted to work in said slot, a nut adapted to screw on to said bolt and bear against the face of the rocking lever, and an adjusting screw for adjusting said lever.

1,508,553. MACHINE FOR COMBING COTTON, WOOL, AND THE LIKE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed May 5, 1923. Serial No. 636,822. 1 Claim. (Cl. 19—116.)



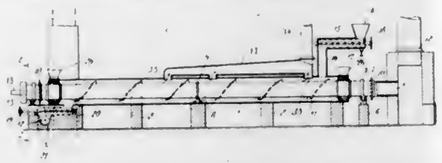
In a machine for combing cotton, wool and the like, means for lifting the top comb comprising a bracket, an arm adjustably mounted upon said bracket, an inclined plane carried by said arm, a bowl carried by the end of the comb arm, the arrangement being such that in the oscillation of the top comb arm the bowl thereof runs down the inclined surface of the adjustable arm and is depressed thereby thus depressing that end of the comb arm and lifting the other end thereof which carries the top comb substantially as herein set forth.

1,508,554. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LEMUEL F. HOWARD, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jun. 9, 1923. Serial No. 644,596. 14 Claims. (Cl. 303—21.)



1. In combination, a vehicle, an alternating current generator operatively connected with the running gear of said vehicle, a synchronous motor supplied with current by said generator, a speed-responsive device driven by said motor, and governing means on the vehicle controlled by said speed responsive device.

1,508,555. CALCINING FURNACE. EUGENE ARTHUR HULTS, Saltville, Va., assignor to Mathieson Alkali Works, a Corporation of New York. Filed June 24, 1921. Serial No. 479,082. 8 Claims. (Cl. 23—22.)



1. A calcining furnace, comprising a receiving tube, a heating tube mounted to rotate within the receiving tube, means operated by the rotation of the heating tube for moving the material longitudinally of the receiving tube, and a plurality of means for conducting the gases away from the receiving tube, said receiving tube being otherwise sealed to prevent dilution of said gases.

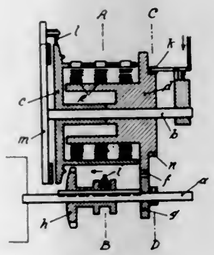
1,508,556. MAKING CASTINGS OF ALUMINUM ALLOYS. ZAY JEFFRIES, Cleveland Heights, and ROBERT S. ARCHER, East Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 4, 1921. Serial No. 435,024. 80 Claims. (Cl. 22—200.)

1. In the art of making aluminum alloy castings, the method comprising heating an alloy casting containing a substantial amount of silicon, to a temperature slightly below the melting point of the eutectic, and maintaining such temperature until the silicon particles have been sufficiently altered in shape to materially improve the physical properties of the cast alloy.

1,508,557. METHOD FOR PRODUCING CHROMIUM OR ALLOYS OF CHROMIUM. BO MICHAËL STUBE KALLING and SVEN DAGOBERT DANIELI, Trollhattan, Sweden, assignors to Aktiebolaget Ferrologeringar, Stockholm, Sweden, a Joint Stock Company Limited. Filed May 4, 1921. Serial No. 466,743. 4 Claims. (Cl. 75—17.)

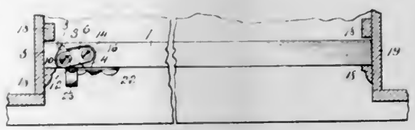
1. The process of producing chromium alloys having a low content of carbon and silicon, which consists in subjecting a chromium alloy rich in silicon, at a temperature above the melting point of the alloy, to the oxidizing action of free oxygen in a bessemerizing process, thereby to desilicate the charge, and adding to said charge during the early stage of desilication a slag obtained from a similar charge at a later stage of desilication.

1,508,558. ACCUMULATIVE BRAKE. HERMANN KOLLMANN, Rosenheim, Germany. Filed June 21, 1924. Serial No. 721,527. 3 Claims. (Cl. 185—41.)



1. In an accumulative brake structure; the combination with a wheel axle, of a power collector including a spring motor located adjacent to said axle, means for connecting said motor to said axle, a friction disc, a braking lever having means to couple said wheel axle selectively with said power collector or with said disc and said collector, and a locking lever for engaging said power collector adapted to yield when said motor is overstrained, substantially as set forth.

1,508,559. WINDOW SCREEN. WILLIAM M. KOONS, Chanute, Kans. Filed Aug. 2, 1920. Serial No. 400,607. 4 Claims. (Cl. 156—14.)

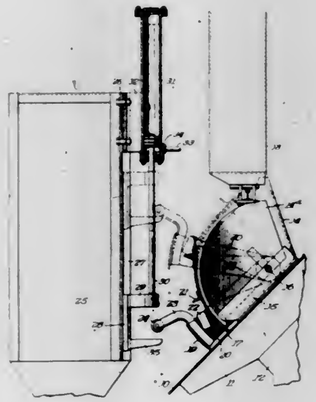


2. In a window screen, a netting carrying frame having a vertical beveled edge, an end member of the same height as the frame having a vertical beveled edge arranged to register with the beveled edge of the frame when the latter and the end member are in the same vertical plane, two links respectively pivoted on vertical axes to the upper and lower ends of said end member and respectively pivoted on vertical axes to the upper and lower edges of the frame, and releasable means for holding the end member and the frame in the same vertical plane, substantially as set forth.

1,508,560. GATE-OPERATING DEVICE FOR ORE BINS. JEREMIAS H. LEDEBOER, The Hague, Netherlands, assignor to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed May 29, 1922. Serial No. 564,438. 2 Claims. (Cl. 214—41.)

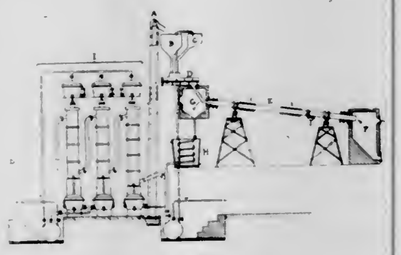
1. In combination, an ore bin having a discharge opening, a plurality of pivotally mounted spaced gates adapted to open and close said opening, a scale car, a cylinder secured to said scale car, a piston mounted in said

cylinder and projecting from one end thereof, a cross-head mounted on said piston, and an arm adapted to be engaged by the cross-head on said piston when said car



is in position to receive material discharged through said opening, the said gates being mounted upon common centers but swinging through different arcs.

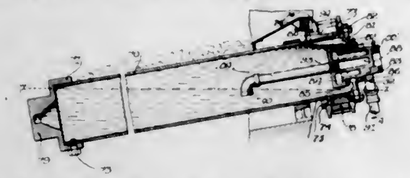
1,508,561. TREATMENT OF SULPHIDE ORE WITH NITRATES. GEORGE NELSON LIBBY, Berkeley, Calif. Filed Feb. 9, 1916, Serial No. 77,167. Renewed June 19, 1922. Serial No. 569,325. 3 Claims. (Cl. 75—18.)



1. The process of sulphating values in ores which consists in moistening a sulphide ore with a nitrate solution and passing the same through a heated zone whereby the metal values are sulphated and oxides of nitrogen liberated.

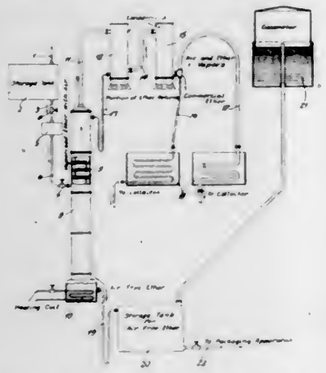
1,508,562. GRINDER MECHANISM FOR BOILER FURNACES AND THE LIKE. ALFRED LOTZ, Chicago, Ill., CHARLES J. DAVIDSON, Milwaukee, Wis., and WILLIAM J. KENNEY, Chicago, Ill., assignors, by mesne assignments, to Moloch Company, Kaukauna, Wis., a Corporation of Wisconsin. Filed Aug. 12, 1920. Serial No. 402,991. 21 Claims. (Cl. 83—14.)

2. In combination, a grinder for cleaning furnaces and the like, a member having fluid inlet and outlet passages extending into said grinder, an inlet pipe communicating with the outer end of said inlet passage for feeding water thereinto, an inlet pipe communicating with the inner end of the said inlet passage for feeding said water into the grinder, a discharge pipe for discharging water from said outlet passage, the inner end of said outlet passage opening into said grinder at a point with-



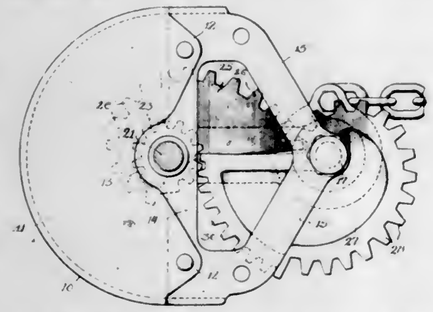
out said furnace for causing the entire portion of the grinder within said furnace to be subjected to a continuous flow.

1,508,563. PROCESS FOR RENDERING ETHER AIR FREE. EDWARD MALLINCKRODT, Jr., St. Louis, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 15, 1923. Serial No. 619,319. 4 Claims. (Cl. 260—151.)



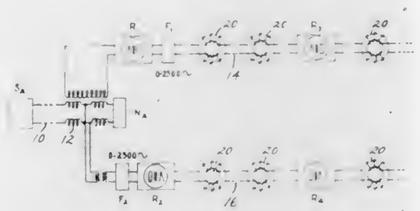
2. The process of rendering ether air free, which consists in passing the liquid ether to be purified through a column still countercurrent to the ether vapor generated in the still whereby the vapor becomes progressively richer in air and finally carries with it the air as it passes from the still, while the liquid ether becomes progressively freer from entrained air, and collecting the air free ether.

1,508,564. GEARING. FRED MATHEWS, Chicago, Ill. Filed Mar. 15, 1924. Serial No. 699,516. 14 Claims. (Cl. 74—41.)



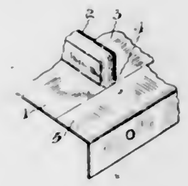
12. A gearing comprising two gear elements each having concentric and eccentric portions adapted to continuously interengage in sequence throughout rotation and in constantly changing planes of engagement.

1,508,565. LOADING SYSTEM. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923. Serial No. 628,507. 7 Claims. (Cl. 178—45.)



1. A telephone system comprising a loaded line having a critical frequency such that the higher speech frequencies are transmitted substantially slower than the frequencies of principal importance to intelligibility and means for reducing the efficiency of transmission of said higher frequencies.

1,508,566. PROCESS OF FORMING OVEN SIDE WALLS. FREDERICK W. MOFFAT, Weston, Ontario, Canada. Filed Jan. 19, 1924. Serial No. 687,230. 5 Claims. (Cl. 113—116.)



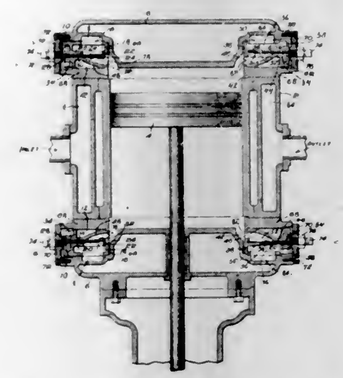
1. A process of forming a combined oven side wall and rack support, which consists in crimping a metal sheet to form a series of ribs separated by grooves, and then welding a sheet metal flange to the end of the bottoms of the grooves.

1,508,567. TREATING CHROMIUM IRON ALLOYS. JOHN H. NEAD, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Oct. 4, 1923. Serial No. 666,626. 2 Claims. (Cl. 148—8.)

1. The treatment of chromium iron alloys, or steel of stainless quality, which consists in hot working a mass of the metal to desired shape, then box annealing the product, and then cold working the product sufficiently to extend the body thereof beneath the coating thereon and finally pickling the product.

1,508,568. VALVE. SVEN T. NELSON, Chicago, Ill., assignor to Sullivan Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed May 17, 1915. Serial No. 28,756. Renewed Dec. 27, 1920. Serial No. 433,430. 29 Claims. (Cl. 230—34.)

1. In a valve mechanism, in combination, a valve cage having a closed end and an open end and a lateral opening communicating with the opening in its end, and a flexible valve member within said cage fixed at one end and having its free end adjacent the opening

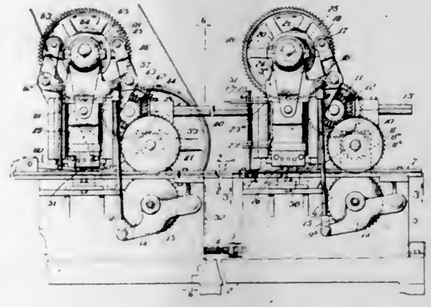


in the end of the cage and normally disposed over said lateral opening and moving towards the center of the end opening on opening movement.

1,508,569. GRAPE SUGAR. WILLIAM B. NEWKIRK, Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y., a Corporation of New Jersey. Original application filed Nov. 16, 1922, Serial No. 601,302. Divided and this application filed June 25, 1923. Serial No. 647,750. 5 Claims. (Cl. 127—30.)

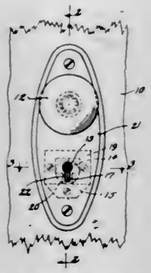
1. Starch converted dextrose consisting of a mass of separate, unitary crystals of normal crystalline form substantially unmixed with deformed crystals of the needle like or flake like kind.

1,508,570. HOOP-MAKING MACHINE. RALPH H. NORTON, Chicago, and WILLIAM C. FORK, Hinsdale, Ill., assignors to Acme Steel Goods Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 10, 1921. Serial No. 443,771. 7 Claims. (Cl. 153—2.)



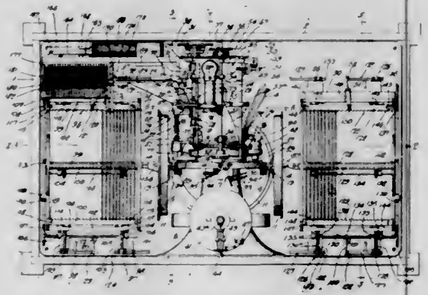
1. In a machine for making hoops, the combination of intermittent feeding, punching and cut-off mechanism, a stop member to check definitely the measured advance of the stock, said stop member being movable transversely to the path of travel of the stock, and adapted to engage the end thereof, means for periodically withdrawing and then restoring the stop member, other mechanism to which the cut-off piece of stock is fed past said stop member upon withdrawal thereof, the said machine having a continuous straight runway for the stock from the point of entrance to the point of discharge from said other mechanism.

1,508,571. KEY RETAINER. MAURICE J. O'NEILL, Stamford, Conn. Filed Sept. 21, 1922. Serial No. 589,570. 3 Claims. (Cl. 70—7.)



3. In a lock having an opening for a key, a piece of flexible material secured over said opening provided with a slit in alignmept therewith and normally tending to assume a position to close said opening, said material also arranged to yield to allow insertion and withdrawal of a key, a plate secured over said piece of material on the outside thereof and provided with projections engaging the outer surface of the material on opposite sides of the slit to cause greater resistance to removal of the key than to insertion thereof, and an escutcheon plate enclosing said first mentioned plate and provided with a key opening in alignment with the slit in the flexible material.

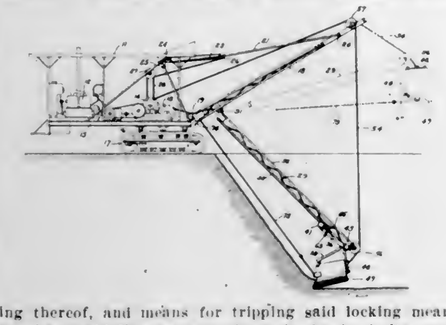
1,508,572. AUTOMATIC PHONOGRAPH. MALCOLM L. ORD, Independence, Kans. Filed Aug. 4, 1920. Serial No. 401,105. Renewed Jan. 19, 1922. Serial No. 530,494. 22 Claims. (Cl. 274—10.)



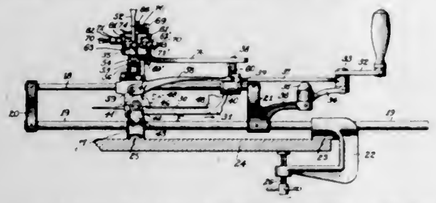
11. In an automatic phonograph, the combination of revoluble means for supporting a plurality of turntables, a plurality of turntables rotatably mounted on said revoluble means, means for holding in operative spaced position a series of disk records to be played, said means being arranged to permit of the removal and replacement of any record or records desired without disturbing other records, means for applying said records to the turntables, means for successively removing records from the turntables after the records have been played, means for holding the series of records that have been played, said means permitting of the removal of any desired record therefrom without disturbing other records.

1,508,573. EXCAVATING MACHINE. CLARENCE E. PARKER, Minneapolis, Minn. Filed Aug. 9, 1922. Serial No. 580,680. 9 Claims. (Cl. 214—102.)

1. The combination with a frame, of a mast pivoted thereon for vertical oscillation and adjustment, a boom pivoted on said mast and having a track thereon, a carriage mounted to slide on said track, a dipper having one end pivotally suspended from the carriage and its opposite end having a link connection to a swinging bar separably attached to the carriage, cables connected with said dipper for moving it back and forth on said boom, means for locking said dipper to prevent premature tilting thereof, and means for tripping said locking means to release said dipper at a predetermined point in its movement on said boom.

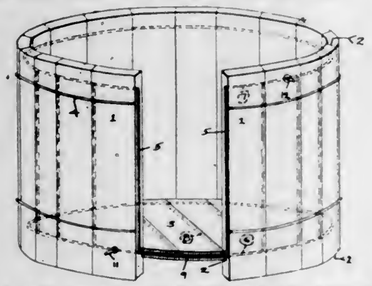


1,508,574. SAW FILING AND SETTING APPARATUS. DAVID PETERSON, Belleville, N. J., assignor of one-half to Robert Nyden, Brooklyn, N. Y. Filed June 24, 1922. Serial No. 570,646. 16 Claims. (Cl. 76—35.)



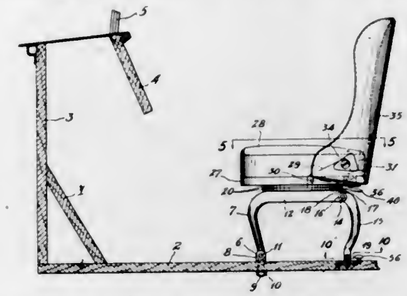
1. In a band saw filing apparatus, a frame constructed and arranged to be mounted upon the table of a band saw and having a member for the engagement and guiding of the saw blade at the side thereof; a file carrier; means to pivotally support the carrier and to have longitudinal reciprocatory movement; a fixed circularly arranged cam surface; a complemental cam member pivotally supported concentric of the fixed cam, said supplemental cam member being adapted to be adjusted by the file carrier at the extremity of its movement in one direction relative to the fixed cam to position the carrier with the file to engage a tooth space of the saw blade during the successive movement of the carrier and at the termination of such movement adjusted to permit the carrier to move by gravity away from the saw and maintain such position during the reverse movement of the carrier.

1,508,575. TANK. ELMER C. PITCHER and FRED W. SCHMITZ, San Francisco, Calif. Filed July 18, 1923. Serial No. 652,289. 6 Claims. (Cl. 217—97.)



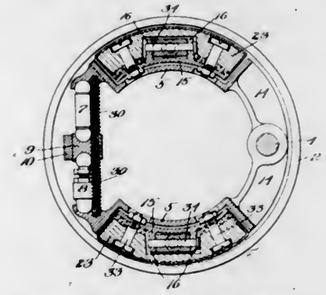
1. A tank consisting of a side wall and bottom, composed of staves and having grooves in the joints of said staves; and spaced passages in the opposite ends of each of said side wall staves communicating with said bottom grooves.

1,508,576. SEAT FOR VEHICLES. EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker R & L Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 4, 1922. Serial No. 534,267. 3 Claims. (Cl. 155—13.)



1. In mechanism of the class described, the combination with a vehicle having a floor, a front wall and a dash, of a seat having front and rear legs, a seat member and a back, means for pivoting the front legs to said floor, means for trunnioning the lower end of said back on said seat member to permit it to be positioned upon the latter, and means for revolubly supporting said seat member on said legs, whereby the back can be folded on said seat member and the seat member revolved and said seat swung forwardly below said dash and in close proximity to said front wall.

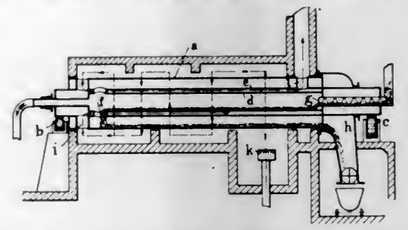
1,508,577. BRAKE FOR GYRATORY CENTRIFUGALS. EUGENE ROBERTS, Salt Lake City, Utah, assignor to The Western States Machine Company, Salt Lake City, Utah, a Corporation of Utah. Filed Aug. 30, 1920. Serial No. 406,857. 12 Claims. (Cl. 188—78.)



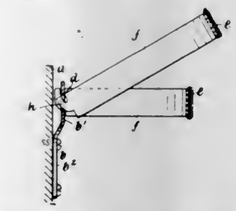
2. In a brake for a gyratory centrifugal or the like the combination of a rotary brake element secured to and rotating with the gyratory shaft, movable brake members mounted on a fulcrum support to be moved against and away from the rotary element, friction shoes mounted in said brake members upon universal joints whereby the friction shoes adjust themselves to the angular deflection of the rotary element out of the plane of movement of said brake members by reason of the pressure between the shoes and said rotary element in order to equalize the pressure on different portions of the friction surfaces, substantially as described.

1,508,578. APPARATUS FOR THE DISTILLATION OF COAL AND OTHER SUBSTANCES. ARNOLD RÜHR, Nuremberg, Germany, assignor to Kohlenscheidungs-Gesellschaft m. b. H., Berlin, Germany, a Corporation of Germany. Filed Oct. 9, 1923. Serial No. 667,460. 3 Claims. (Cl. 202—4.)

3. Apparatus for distilling coal and the like, comprising a casing provided with a source of heat and a chimney near one end, a drum rotatably mounted in said casing and communicating with a discharge outlet at its end adjacent said end of the casing, the other end of said drum being closed, a jacketed tube carried coaxially within said drum, and means to feed the material to be treated into the end of said tube adjacent said discharge outlet, the other end of said tube having openings for the passage of the material into the said drum, and the jacket wall of said tube having openings for the admission of the heating gases at its end beyond the closed end of the said drum and for the escape of said gases into said chimney at its end adjacent said discharge outlet.



1,508,579. CURTAIN ROD. CHARLES SALTENBERGER, Paterson, N. J. Filed Jan. 22, 1923. Serial No. 614,096. 3 Claims. (Cl. 156—19.)



2. In combination, a curtain rod having its extremities bent off in the same direction and having upturned end portions forming hooks, and fixtures each having an upright wall formed with a hole receiving one of the hooks, each extremity bearing endwise against the corresponding wall below the hole thereof and the corresponding hook bearing against the relatively opposite face of said wall above the hole.

1,508,580. DOOR SWING. LOUIS F. SCHOELKOPF, Madison, Wis. Filed Dec. 4, 1922. Serial No. 604,891. 3 Claims. (Cl. 268—9.)

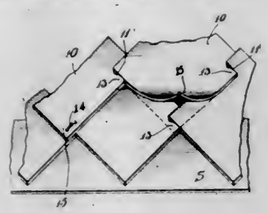


1. In a door swing, the pivoting of the opening and closing force in the angle of travel, by means of the combining of an air engine and springs, whereby the engine moves the door through a portion of its travel, and the springs complete the travel.

1,508,581. SHINGLING METHOD. JOHN SHEA, New York, N. Y. Filed Apr. 16, 1924. Serial No. 706,831. 4 Claims. (Cl. 108—9.)

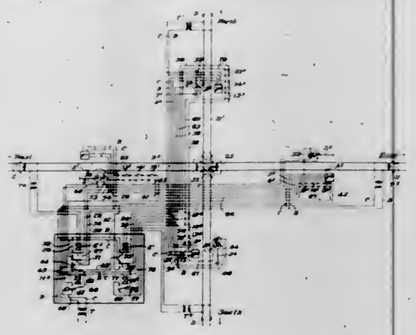
1. The herein described method of laying shingles which consists in laying rectangular shingles in courses substantially parallel to the lower edge of the roof, the adjacent shingles of the adjacent courses lying in rows

at an oblique angle with said edge of the roof, a corner portion of a shingle being slotted to form a tongue to pass beneath the side portion of the adjacent shingle in the next lower course, a shingle in the oblique row of the second mentioned shingle being positioned so as



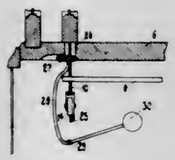
to abut against an edge of said slot opposite said tongue of the first mentioned shingle, and a shingle in the oblique row of the first mentioned shingle overlapping the side portion of the third mentioned shingle so as to cover and render said slot weather tight.

1,508,582. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. JACOB B. STRUBLE, Oakland, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,658. 24 Claims. (Cl. 246—114.)



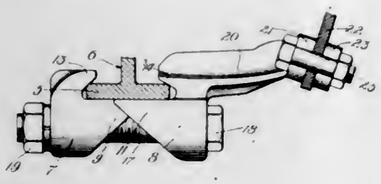
1. In combination, two intersecting railway tracks, a normally open derail in each track, and means set into operation by a train approaching the intersection on either track for closing the derail in such track provided the derail in the other track is open.

1,508,583. DUST-PREVENTING DEVICE. JOHANNES TACOMA and CAMILLE DE VLEESCHOUWER, Amsterdam, Netherlands. Filed Aug. 4, 1921. Serial No. 489,659. 1 Claim. (Cl. 20—16.)



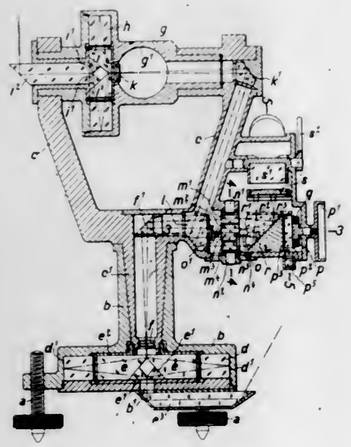
A dust preventing device for use in connection with mechanism for doors of show cases and the like having a slot therein for the reception of a part of said mechanism, comprising a lever pivoted on a horizontal axis, a bar having a bevelled edge connected to said lever, and a counterweight disposed on said lever for maintaining said bevelled bar over said slot.

1,508,584. BRACKET FOR SNUBBERS AND THE LIKE. HAROLD D. THOMAS and WILLIAM H. ODLUM, Chicago, Ill., assignors to Lincoln Products Company, Chicago, Ill., a Corporation of Delaware. Filed June 29, 1923. Serial No. 648,523. 4 Claims. (Cl. 267—10.)



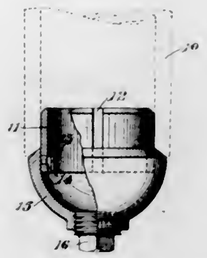
1. The combination with a flange and the end portion of a snubber strap extending at an angle thereto, of a bracket therefor comprising a pair of bracket members, each having a pair of horizontal separated fingers adapted to engage the under surface of the flange and each having an inwardly projecting hook finger in its upper portion adapted to engage the edge of the flange at a point centrally above the two fingers aforesaid, the fingers of one bracket member being adapted to telescope between those of the other bracket member, there being a transversely extending through opening in each bracket member, enlarged at its inner end, a through bolt extending through said openings to draw them together, a bracket arm extending outwardly from one bracket member and having at its outer end a clamping surface lying substantially parallel to the direction of the snubber strap, and means for clamping the snubber strap against said surface, substantially as described.

1,508,585. THEODOLITE. HEINRICH WILD, Heerbrugg, Switzerland. Filed May 13, 1921. Serial No. 469,195. 5 Claims. (Cl. 88—2.7.)



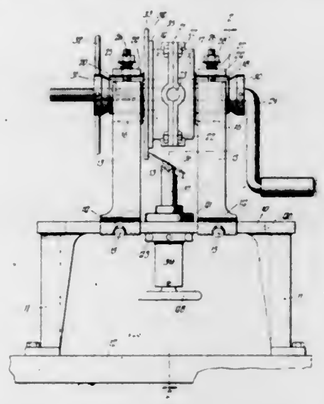
1. In a theodolite, a divided circle, a reading microscope, optical means for simultaneously imaging two opposite points of the divided circle in the field of said microscope, relatively movable pairs of plano-parallel glass plates, each pair inserted in the path of rays from a respective one of the two images, and means for adjusting the pairs simultaneously in opposite directions.

1,508,586. FLOATING PLUG FOR WELL CASINGS. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, Los Angeles, Calif., a Corporation of California. Filed July 5, 1922. Serial No. 572,887. 5 Claims. (Cl. 166—4.)



1. In combination with a casing shoe an expansive sleeve extending into the lower end of the shoe and being frictionally held, and a plug carried by said sleeve to close the lower end of the shoe.

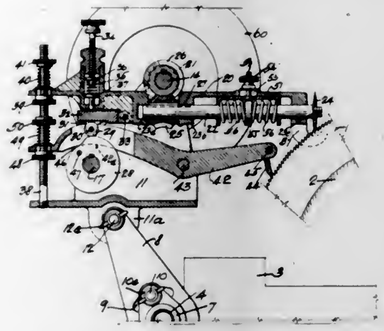
1,508,587. REFACING TOOL. ORREN E. BARBER, Chicago, Ill., assignor, by direct and mesne assignments, to Kirk-Barber Company, a Copartnership composed of W. T. Kirk, A. T. Kirk, and O. E. Barber, Chicago, Ill. Filed Jan. 30, 1924. Serial No. 689,499. 11 Claims. (Cl. 82—1.)



1. A device for refacing the ring gear seat of a differential cage, wherein the cage is provided with opposed hub portions, the peripheries of which determine the axis of the ring gear when in use, said device comprising spaced V-shaped bearings for journaling said hub portions, yielding means for holding said hub portions against said V-shaped bearings, a cutting tool, means for relatively rotating the cage and tool, and means for feeding said tool across said seat.

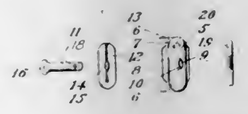
5. A device for refacing the ring gear seat of a differential cage wherein the cage is provided with opposed hub portions, the peripheries of which determine the axis of the ring gear when in use, said device comprising spaced bearing members having V-shaped bearing surfaces, plates cross the open sides of said bearing members for urging said hubs toward the converging surfaces of said bearing members to center said hub portions, means for clamping said plates to said device, and springs interposed between said plates and said device to permit said plates to yield.

1,508,588. SAW GUMMER AND SHARPENER. THOMAS C. BLACK, Memphis, Tenn. Filed May 2, 1923. Serial No. 636,018. 9 Claims. (Cl. 76—40.)



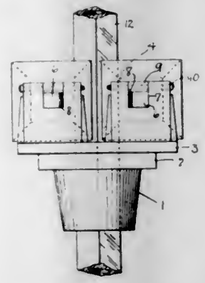
1. On a saw gummer and sharpener the combination with a longitudinal shaft, means for rotating the same, a disc file carried thereon and means for bringing the same into cutting relation to a tooth to be filed, a yoke surrounding said shaft, a collar on said shaft intermediate the arms of said yoke, resilient means interposed between the collar and each yoke arm, to permit the shaft to automatically adjust itself in both directions axially, to adjust the file to variations in tooth location.

1,508,589. WINDING KEY FOR CAMERAS. CARL A. BORNMANN, Jr., Binghamton, N. Y., assignor to Ansco Photo-Products, Incorporated, Binghamton, N. Y. Filed Jan. 29, 1924. Serial No. 689,268. 8 Claims. (Cl. 242—71.)



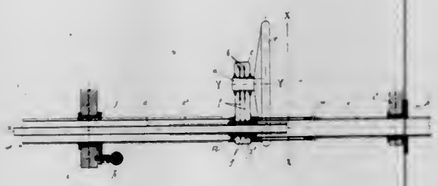
1. A winding key for cameras comprising a housing, a friction plate in said housing, and a stem engaged by said friction plate.

1,508,590. GRIPPING DEVICE FOR ROTARIES. BURWELL BOYKIN, Jr., Beaumont, Tex. Filed June 5, 1922. Serial No. 566,155. 3 Claims. (Cl. 255—23.)



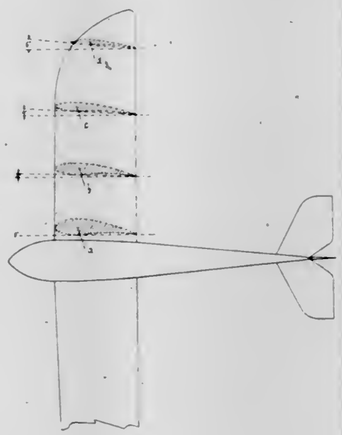
1. A gripping device for rotary drive stems comprising a supporting base, two parallel shafts mounted in spaced relation on said base, and gripping blocks mounted on said shafts, each of said blocks having a polygonal periphery, one side of which contacts with said base the sides thereof being grooved to fit a drive stem.

1,508,591. MEANS FOR CONTROLLING AEROPLANES. LOUIS BREGUET, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Filed Nov. 8, 1921. Serial No. 513,720. 5 Claims. (Cl. 544—29.)



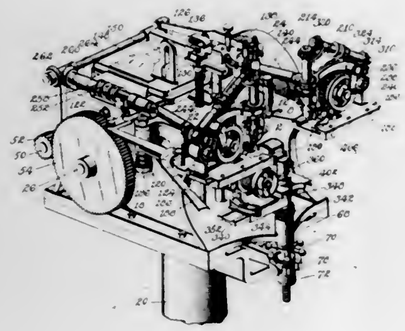
1. A single hand wheel support for the control of the warping and of the depth of aeroplanes and other aerial apparatus comprising means for causing the support to pivot at its lower end so as to be able to bring the wheel in front of one or the other of two pilots positioned side by side without exerting any action upon the controls, means for controlling the warping by rotation of the hand-wheel, and means for operating the depth rudder by a longitudinal displacement of the hand wheel along its axis.

1,508,592. CONSTRUCTION OF AEROPLANE WINGS OF VARIABLE RELATIVE THICKNESS FOR THE PURPOSE OF IMPROVING THEIR AERODYNAMIC QUALITIES. LOUIS BREGUET, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Filed Nov. 3, 1922. Serial No. 598,909. 1 Claim. (Cl. 244—12.)



A method and form of construction of wings having a variable relative thickness for the purpose of improving their aerodynamic qualities and particularly the improvement in the flying shape and the mechanical efficiency, said construction being characterized in that the incidence of action upon the air of the different elements or outlines of the wings, as measured by the angle made by the chord of the outlines with the direction of the relative speed of the air, varies inversely with the relative thickness of said outlines.

1,508,593. MACHINE FOR USE IN THE LASTING OF BOOTS AND SHOES. ELI BROTHERS and WILLIAM E. SCARLETT, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 17, 1920. Serial No. 352,195. 172 Claims. (Cl. 12—4.)



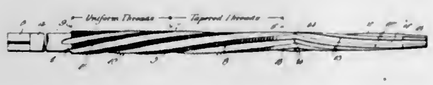
1. In a machine of the class described, the combination with means for working an upper over a last, of means for driving anchor tacks at the opposite sides of the shoe, and means for applying a binder round the end of the shoe and for bending it round said tacks at the opposite sides of the shoe successively.

1,508,594. STAY BOLT TAP. GORDON MARK BRUBAKER, Jr., Millersburg, Pa., assignor to W. L. Brubaker & Bros. Company, Millersburg, Pa. Filed Jan. 24, 1924. Serial No. 688,232. 3 Claims. (Cl. 10—140.)



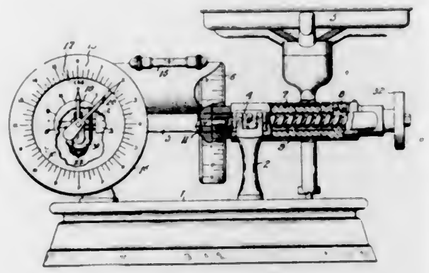
3. A staybolt tap having a reaming portion extending spirally in one direction and a tap portion extending spirally in the reverse direction.

1,508,595. METHOD OF MAKING STAY-BOLT TAPS. GORDON MARK BAUBAKER, Jr., Millersburg, Pa., assignor to W. L. Brubaker & Bros. Company, Millersburg, Pa. Filed Jan. 24, 1924. Serial No. 688,233. 4 Claims. (Cl. 76—101.)



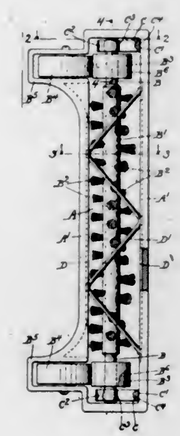
1. The method of making a combined reamer and tap having reaming and threading portions arranged one in advance of the other, which consists in threading a suitable blank, milling flutes extending spirally in one direction along the tap portion of the blank, milling continuing flutes extending spirally in the reverse direction along the reaming portion of the blank, grinding out of the ridges between the intersecting ends of the flutes, and then suitably finishing the surfaces of the tool.

1,508,596. MICROMETER WEIGHING INSTRUMENT. CHARLES WILLIAM CALDWELL, Johannesburg, Transvaal, South Africa. Filed Nov. 19, 1923. Serial No. 675,654. 6 Claims. (Cl. 265—29.)



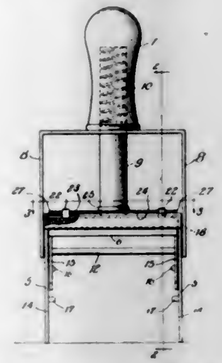
1. In a micrometer scale, the combination of a pivoted beam, a rotatable poise movable along the beam, a dial on the beam, counterweighted hands pivoted to rotate over the dial, a non-traversible shaft rotatably mounted on the beam for operating the poise, a hand wheel for rotating said shaft, gear wheels on said shaft, and gear trains operating the dial hands from said shaft, said gear trains having different velocity ratios whereby the hands are rotated at different angular speeds.

1,508,597. VACUUM CLEANER. GEORGE CLEMENTS, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 4, 1921. Serial No. 489,672. 1 Claim. (Cl. 15—157.)



In a vacuum cleaner, a suction nozzle, the opposed lips of said nozzle being grooved in a plane adjacent to and parallel with the lower edge of the nozzle, and a guard element adapted to be yieldingly and removably mounted in the suction nozzle, portions of said guard element penetrating said grooves on each side of the nozzle.

1,508,598. HAND STAMP. WILLIAM L. EDGARTON, Chicago, Ill. Filed Nov. 22, 1923. Serial No. 676,256. 9 Claims. (Cl. 101—104.)



1. In a hand stamp, the combination with a supporting frame, of an inking pad mounted on said frame, and comprising a back plate, means on said plate for engaging said frame, and ink absorbing material carried by said plate

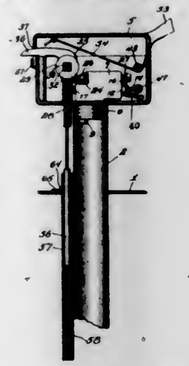
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1,508,599. TRANSMISSION BAND BRACKET. CARL E. FLATTER, Anderson, Ind. Filed Apr. 16, 1923. Serial No. 632,424. 2 Claims. (Cl. 188—249.)



2. A transmission band having longitudinally spaced arched portions at one of its ends, and a detachable bracket provided with spaced lugs at one end and with a tongue extending beyond the lugs and slidably received in the outer arched portion, the intermediate portion of said bracket being cut out to form a second tongue engaging the remaining arched portion.

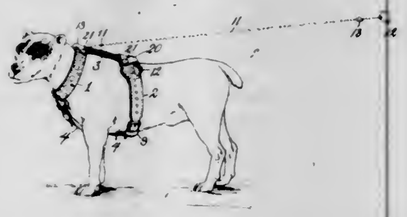
1,508,600. CIGAR LIGHTER. SAMUEL E. GUINN, Johnson City, Tenn. Filed June 16, 1923. Serial No. 645,882. 7 Claims. (Cl. 67—41.)



1. A cigar lighter, comprising a fuel pipe, an igniter casing carried thereby and including an operating section, a fuel block arranged within the casing and formed with a gas passage to establish communication between the gas pipe and a jet opening formed in the block, a valve

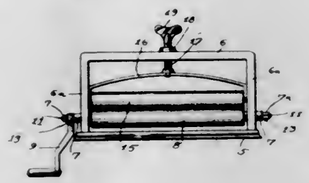
for controlling said gas passage, means cooperating with said valve for operating said valve to open position or permit it to move to closed position, a spark producing means arranged adjacent the jet opening and including a sparking disc, an automatic operating means for said disc, said operating means being set for operation in a predetermined movement of the operating section of the igniter casing and thereupon released to actuate the disc, the valve operating means being actuated in such predetermined movement of the operating section to open the valve prior to the release of the automatic operating means for the igniter disc.

1,508,601. LEASH HARNESS FOR DOGS. GEORGE HUFF, Glendale, Calif. Filed July 3, 1922. Serial No. 572,578. 10 Claims. (Cl. 119—96.)



1. A harness for dogs comprising a collar; a saddle; and a leash line connected to said collar and saddle.

1,508,602. CLOTHES WRINGER. ALMA R. JONES, Cincinnati, Ohio. Filed July 13, 1923. Serial No. 651,325. 1 Claim. (Cl. 68—32.)



A clothes wringer having a frame, a rotatable wringer roll journaled in the frame, a spring-pressed wringer roll in the frame cooperating with said first-named roll, one of said rolls having a shaft extending beyond the frame on both sides thereof, detachable coupling means on said extended portions of the shaft for engaging a driving handle, and a driving handle detachably connected to one of the extended shaft portions.

1,508,603. PROCESS OF PREPARING BISMUTH SALTS OF MERCURATED ORGANIC COMPOUNDS CONTAINING AN ACID RESIDUE AND THE PRODUCTS OBTAINABLE THEREFROM. WILHELM KOLLE, HUGO BAUER, and ERNST MASCHMANN, Frankfort-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 23, 1923. Serial No. 614,471. 2 Claims. (Cl. 260—11.)

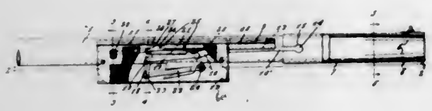
2. As new products, the bismuth salts of organic compounds of mercury each containing an acid residue, which can be obtained by the action of mercury-organic compounds containing an acid residue in the form of their alkali salts upon bismuth salts, said new products being of therapeutical efficiency in the treatment of syphilis and less toxic than would be expected from the amount of mercury which they contain.

1,508,604. AEROPLANE. WARD LEATHERS, Haworth, N. J. Filed Dec. 4, 1917. Serial No. 205,341. 10 Claims. (Cl. 244—12.)



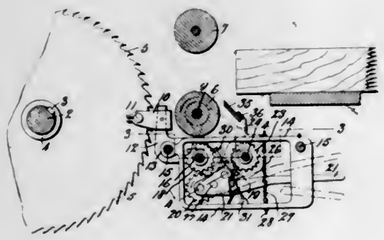
3. In an aeroplane, a series of tandem aerofoils having angles of incidence progressively increasing from forward to rear, but the increase in such angle of the rearward aerofoils being progressively less.

1,508,605. GUN CONSTRUCTION. ALBERT LEGETT and SHARED F. LEGETT, Jackson, Miss. Filed Feb. 1, 1923. Serial No. 616,425. 2 Claims. (Cl. 42—79.)



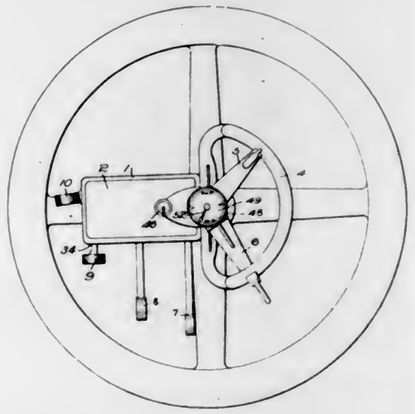
1. In a device of the character described, a gun barrel having longitudinally disposed slots formed at the discharge end thereof, a sleeve having a cam surface adapted to engage the portions of the gun barrel between the slots to reduce the diameter of the discharge end of the barrel, said sleeve having openings formed adjacent to the inner end thereof, link members having heads positioned in the openings, ribs formed laterally of the gun barrel, a sliding housing having inwardly extended flanges movable between the ribs of each side of the gun barrel, and means in the housing and engaging the inner ends of the link members for moving the sleeve longitudinally of the gun barrel.

1,508,606. GANG-SAW EDGER. JAMES T. MACKIE, New Westminster, British Columbia, Canada. Filed May 4, 1923. Serial No. 636,674. 5 Claims. (Cl. 143—37.)



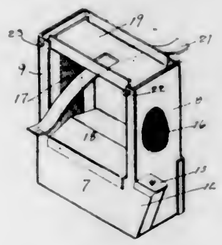
1. In a gang saw edger, the combination with the saw shaft and saws endwise movable thereon and rotatable with it, of means for separately moving each saw endwise on the saw shaft, said means comprising a screw secured against rotation across the frame of the machine to be parallel with the axis of the saw shaft, a nut for each saw rotatably mounted on the screw, a power means and means for engaging and disengaging each nut thereto for rotating the nut, and means for so connecting the nut to its saw that endwise movement of the nut due to its rotation on the screw will impart a corresponding endwise movement to the saw of its shaft.

1,508,607. OPERATING CONTROL DEVICE. EDGAR J MARTEL, Laconia, N. H. Filed July 12, 1920. Serial No. 395,652. 10 Claims. (Cl. 200—44.)



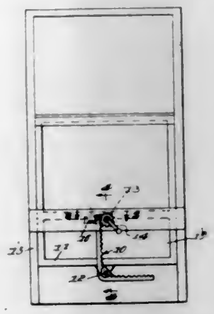
1. A switch control case for automobiles having switches therein and adapted to be positioned at one side of the steering post and supported thereby, and having also a laterally extended horn member with an illuminated switch control case thereon and switches therein positioned over the steering post head.

1,508,608. SPRING-OILING DEVICE. MILES F. MOORE, San Francisco, Calif., assignor of one-half to William F. Hills, Mountain View, Calif. Filed July 21, 1923. Serial No. 653,036. 1 Claim. (Cl. 184—1.)



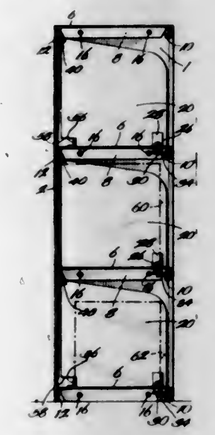
The combination with a leaf spring, of a device for lubricating the surfaces between the leaves, comprising a lubricant holding receptacle, wick-holding channel portions formed integral with the receptacle, a cover for the receptacle including side members terminating in curved extremities for positioning the ends of the wicks in the receptacle, a top plate secured to the extremities of the channel portions, and a spring secured to said top plate for engaging the leaf spring.

1,508,609. SASH-OPERATING MECHANISM. JOHN MCARTHUR, Detroit, Mich. Filed Feb. 14, 1922. Serial No. 536,480. 4 Claims. (Cl. 268—4.)



1. A sash operator having cooperative rack and pinion elements of which the former is of angular construction and pivotally mounted adjacent the angle, the pinion successively engaging the arms of the rack and rotating the same about its pivot to dispose the last engaged arm in parallelism with the path of movement of the sash.

1,508,610. SHELVING. JOHN B. O'CONNOR, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed June 12, 1922. Serial No. 567,526. 2 Claims. (Cl. 211—16.)

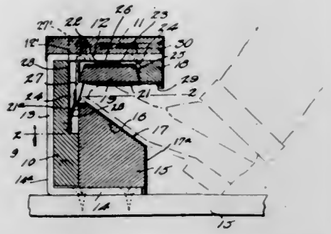


1. A storage rack having shelves and upright removable partitions, the shelves having upstanding clips open top and front for holding the partitions against lateral movement and permitting them to be inserted or removed by a substantially straight-in push or straight-out pull; and socket connections at the rear of the rack in position to engage the upper rear edge of the partitions, said socket connections forming abutments for limiting the rearward movement of the partitions.

1,508,611. BURGLAR ALARM. ANTHONY J. PARISSI, Cohoes, N. Y. Filed Nov. 5, 1920. Serial No. 421,934. 13 Claims. (Cl. 200—52.)

1. A control for an electrically operated alarm, comprising an inverted housing, a movable alarm control member mounted under the housing and adapted to be moved upwardly therein, and a forwardly projecting

combined foot guide and guard the surface of which is above the floor and below and spaced from the housing and the alarm control member, whereby to prevent



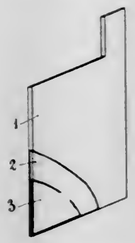
accidental actuation of the alarm control member and consequent sounding of an alarm by an object thrust against or under the front of the housing.

1,508,612. BRACELET HOOK. JAMES E. POTTER, Providence, R. I., assignor to A & Z Chain Co., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 4, 1924. Serial No. 696,914. 5 Claims. (Cl. 24—238.)



4. A connector comprising a body having side walls, a hook secured to said body at one end thereof, an endways slidable tongue in said body for normally closing said hook, a spring in said body for urging said tongue to closed position, and a back plate for said body having end walls and secured to the body by folded-over edges of said side walls.

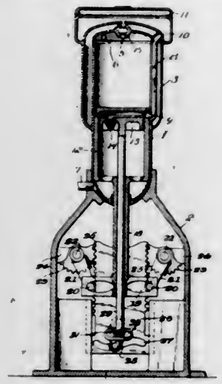
1,508,613. NEGATIVE PLATE FOR ELECTRIC ACCUMULATORS. ADOLFO POUCHAIN, Turin, Italy. Filed Aug. 18, 1920. Serial No. 404,453. 3 Claims. (Cl. 204—29.)



1. A negative electrode for an electric accumulator employing an acid electrolyte, comprising a metallic support, with a surface of silver and a zinc layer electrolytically deposited on said support.

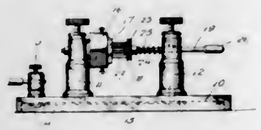
1,508,614. ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor, by mesne assignments, to A. L. Powell Power Company, Incorporated, a Corporation of Montana. Filed Dec. 10, 1919, Serial No. 343,953. Renewed Feb. 11, 1924. 4 Claims. (Cl. 123—66.)

4. In an engine of the class described comprising a power cylinder having an opening through the side wall thereof, a reciprocating hollow piston within the cylinder having a passage through the side wall thereof, a member arranged for movement within the hollow piston and adapted to precompress a charge therein and deliver the same through the passage in the piston and the opening in the cylinder at the limit of the outstroke of the piston, a storage chamber, a conduit for



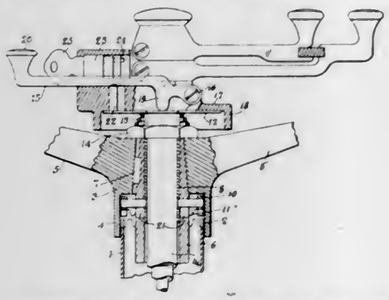
leading the precompressed charge from the cylinder to the storage chamber, a communication from the storage chamber to the head of the cylinder and means for moving the hollow piston and the said member at different rates of movement in the same direction.

1,508,615. CRYSTAL DETECTOR FOR RADIO APPARATUS. EUGENE C. ROWLEY, Seattle, Wash. Filed Dec. 27, 1922. Serial No. 609,292. 6 Claims. (Cl. 250—31.)



1. A multi-point contact element for a crystal detector comprising a conducting disk, a clamping disk, means for securing said disks together, and a plurality of cat whiskers secured between said disks.

1,508,616. STEERING-WHEEL LOCK. LOUIS R. RUTHENBURG, Dayton, Ohio. Filed Feb. 23, 1923. Serial No. 620,793. 4 Claims. (Cl. 70—129.)

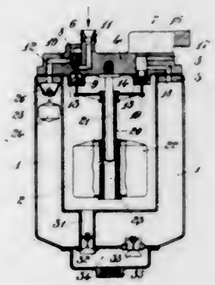


1. In combination, a steering wheel and steering column, a stationary member, a means of locking said stationary member and steering wheel and steering column to one another, means of locking said locking means in a predetermined position and means of moving said locking means into a predetermined position independently of the lock, said independently moving means and said lock wheel being located above said steering wheel.

1,508,617. DEHYDRATED LIGNITE AND PROCESS OF PRODUCING THE SAME. EUGENE P. SCHOCH, Austin, Tex. Filed July 17, 1922. Serial No. 575,656. 4 Claims. (Cl. 44—1.)

1. The process of treating lignite which comprises heating the same in contact with a hydrocarbon oil to drive off the moisture present, and removing the oil not absorbed by the material, substantially as described.

1,508,618. LIQUID-FUEL SUPPLY DEVICE FOR INTERNAL COMBUSTION OR LIKE ENGINES. OTTO SIEFERT, Berlin, Germany. Filed May 2, 1924. Serial No. 710,660. 6 Claims. (Cl. 103—236.)



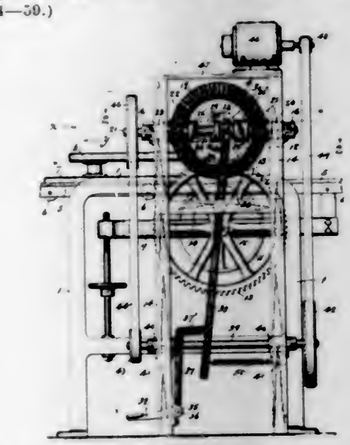
1. A liquid fuel supply device comprising an inner chamber; an outer chamber; a ring forming a cover for said outer chamber; a cover for said inner chamber secured to said ring; a double suction valve in said cover adapted to control the suction for both chambers; an air inlet valve in said cover adapted to control the supply of air into the chambers; a bridge member secured to said valves; a float in said inner chamber adapted to actuate the valves by means of said bridge; a fuel inlet for each chamber; and a fuel outlet for each chamber.

1,508,619. CLOTHESPIN. AXEL G. SIMONSON, County of Hansford, Tex. Filed July 6, 1923. Serial No. 649,882. 1 Claim. (Cl. 24—139.)



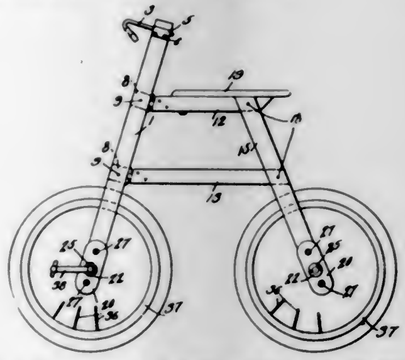
A clothes pin formed from a single length of wire and including a helical spring portion and gripping jaw portions connected therewith, each of the jaw portions being formed of two strands, the strands of one jaw being connected to corresponding ends of the helix turns of the spring portions and forming continuations thereof, one strand of the other jaw portion being connected with the other end of one of the helix turns, the other end of the other helix turn being coiled around the helix turns at one side thereof, the other strand of said other jaw being coiled around the helix turns at a point diametrically opposite to that of the coiled end of the said helix turn, the said ends of the strands of the jaw portions being curved concentrically with the helix turns of the spring portion adjacent their points of connection therewith.

1,508,620. REVERSING MECHANISM FOR IRONING MACHINES. CHARLES N. SING, Newark, N. J. Filed Apr. 14, 1921. Serial No. 461,280. 2 Claims. (Cl. 74—50.)



1. A reversing transmission mechanism for attachment to ironing machines, comprising a supporting framework, a driven shaft mounted on said frame-work, a coupling means for operatively connecting said driven shaft to the ironing machine, a driven bevel gear on said shaft, a driving shaft supported by said frame-work in front of said driven bevel gear, bevel pinions loosely mounted on said driving shaft to respectively mesh with opposite sides of said driven bevel gear, each bevel pinion having clutch jaws, a shiftable clutch-member keyed on said driving shaft intermediate said clutch-jaws, a power source comprising an electric motor supported by said frame-work, a speed reduction transmission means intermediate said motor and said driving shaft, and means for actuating said clutch-member to engage one or the other of said bevel pinions.

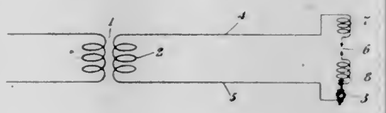
1,508,621. BICYCLE. FRANCIS M. SISK and HUDSON M. SISK, Atlanta, Ga. Filed Oct. 17, 1921. Serial No. 508,205. 1 Claim. (Cl. 208—93.)



In a bicycle, a fork including connected strips having cut away portions forming the arms of the fork, a frame including horizontal bars, and hinges each having a leaf

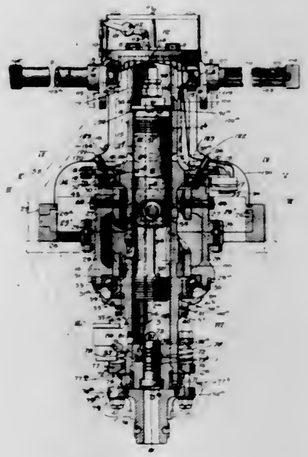
extending between and clamped by the strips of the front fork, a leaf extending into and secured to one of the horizontal bars, and a handle bar straddling and secured to the strips of the front fork to hold them against separation from the hinge leaves therebetween.

1,508,622. SPARK-AMPLIFYING DEVICE. RENSSELAER J. SMITH, South Bethlehem, N. Y. Filed Apr. 21, 1921. Serial No. 463,197. 9 Claims. (Cl. 123—148.)



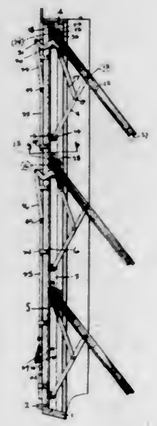
1. An ignition system comprising a secondary circuit having a secondary coil and spark gap, and a spark amplifying device in said secondary circuit comprising an inductance and an auxiliary spark gap in series with each other and also with said first-mentioned spark gap.

1,508,623. IMPACT OR PERCUSSIVE TOOL OF THE EXPLOSION-MOTOR TYPE. CHARLES S. SOMERVELL, Riverton, N. J. Filed May 31, 1922. Serial No. 564,825. 30 Claims. (Cl. 123—7.)



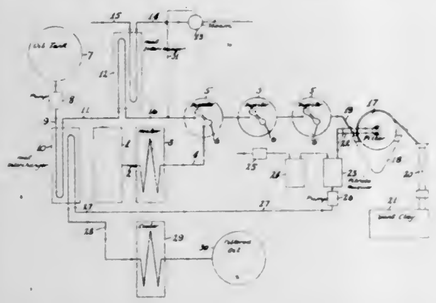
1. In an impact tool of the explosion type, the combination of a cylinder having a through bore, a piston-hammer slidably mounted in the bore of said cylinder, means for imparting movement to said piston-hammer in one direction only by an explosive force whereby said piston-hammer may be brought into forcible engagement with a tool bit or similar element, a rotor encircling the cylinder and journaled thereon, and comprising a fly wheel and a cam element carried by said fly-wheel and a cross-head carried by the piston-hammer and having ends projecting through the wall of the cylinder for cooperation with said cam, element whereby the latter may effect movement of the piston-hammer in one direction: said cam element being so related with respect to said cross-head as to permit rapid movement of the piston-hammer on its power stroke and receive its impetus therefrom and to impart a relatively slower movement to said piston-hammer on its non-working stroke: the movement of said fly-wheel being continuous at one speed.

1,508,624. WINDOW MOUNTING. ARTHUR C. SOULE, San Francisco, Calif., assignor to Simplex Window Company, San Francisco, Calif., a Corporation of California. Filed Nov. 9, 1921. Serial No. 513,930. 10 Claims. (Cl. 20—42.)



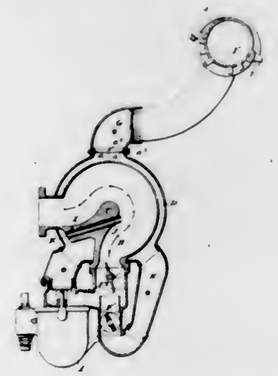
1. A window construction including a frame having guides on the opposite sides thereof; sashes in said frame; brackets on said sashes projecting beyond a face thereof; shoes slidably engaging said guides and pivotally connected to said brackets beyond the face of the sash and supporting means interposed between said sashes and frame.

1,508,625. METHOD OF BLEACHING PETROLEUM PRODUCTS WITH CLAY. CHARLES WALCOTT STRATFORD, San Francisco, Calif. Filed Mar. 21, 1921. Serial No. 454,209. 1 Claim. (Cl. 196—147.)



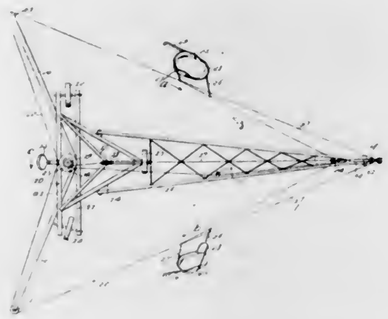
The method of clarifying and decolorizing petroleum products which consists in heating the clarifying agent, heating the petroleum product, continuously flowing the heated clarifying agent and heated petroleum product independently into a receptacle, mixing the hot petroleum product and hot clarifying agent therein, overflowing the combined hot mixed product from the said receptacle into a second receptacle, mixing the combined hot mixed product therein, overflowing the combined hot mixed product from the second named receptacle into a third receptacle and likewise mixing and overflowing the combined hot mixed product from the immediately preceding receptacle through a plurality of receptacles and filtering the combined hot mixed product overflowed from the last of said receptacles whereby to separate the clarifying agent and the decolorized petroleum product.

1,508,626. CARBURETOR. JOHN W. SWAN, Stamford, Conn. Filed Sept. 15, 1919. Serial No. 323,870. 6 Claims. (Cl. 48—180.)



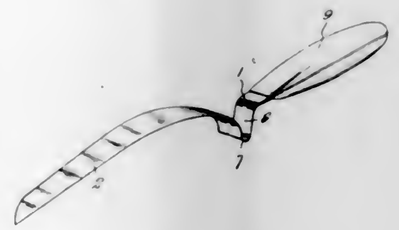
5. The combination with a carburetor and an intake manifold of an internal combustion engine, of a heating chamber surrounding said manifold for receiving heated air, a passage forming communication between the manifold and heating chamber, and an opening communicating with the passage intermediate its ends, said opening collecting the ungasified particles of fluid passing through the manifold with the gaseous mixture and introducing the same to the passage to be acted on by a current of the heated air and redelivered to the manifold in vaporized condition.

1,508,627. DITCHING, GRADING, AND BACK-FILLING MACHINE. CHARLES NATHANIEL TAYLOR, Hemingford, Nebr. Filed July 11, 1922. Serial No. 574,306. 8 Claims. (Cl. 37—116.)



1. A machine of the type indicated having a truck carrying a laterally extending boom, and a scoop carrying hoisting cable provided with runs extending transversely respectively in front and in rear of the truck and between the longitudinal plane of the latter and the outer end of the boom and on transversely convergent lines.

1,508,628. PARING KNIFE. OLIVER CLARK TERRELL, Portland, Oreg. Filed May 8, 1924. Serial No. 711,855. 2 Claims. (Cl. 146—206.)

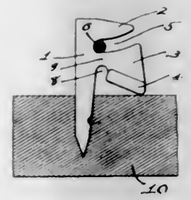


1. A paring knife blade having a plane end portion which merges into a series of successive and joined arcuate portions, the cords of each arc of the arcuate portions being of the same length and the arcs gradually increasing in depth from the plane end portion.

1,508,629. METHOD OF PRODUCING MOLYBDENUM AND MOLYBDENUM COMPOUNDS. GEORGE D. VAN ARSDALE, RUSH T. SILL, and HARLEY A. SILL, Los Angeles, Calif. Filed Nov. 6, 1922. Serial No. 599,430. 13 Claims. (Cl. 204—1.)

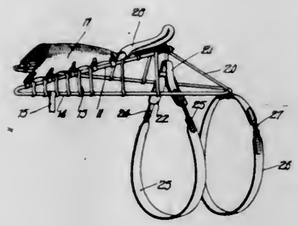
1. The process for extracting molybdenum from concentrates and ores, that includes roasting to convert sulphide compounds into oxides, then treating the calcine with dilute sulphuric acid to remove impurities, then treating the residue from the acid treatment to form an acid solution of sodium molybdate, then warming the resulting solution and electrolyzing it to precipitate molybdenum compounds at the cathode and to regenerate the depleted electrolyte for reuse as a solvent; then drying, dehydrating, and removing the deposit from the cathode.

1,508,630. PLASTERER'S NAIL. GEORGE F. VOIGHT, Oakland, Calif. Filed Sept. 22, 1921. Serial No. 502,387. 7 Claims. (Cl. 72—118.)



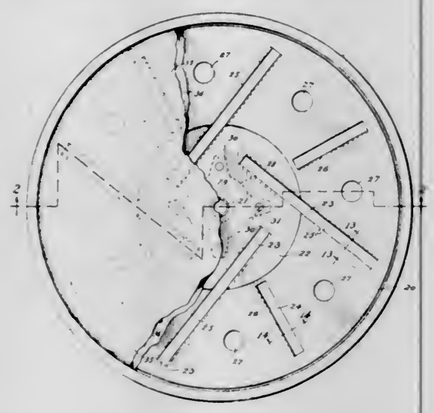
1. In a nail of the character described, in combination, a body portion comprising a shank member having an extension on one side at its upper end, a clamping member disposed below said extension, said extension and clamping member and shank disposed in the same plane, and a connection between said clamping member and said body portion, said connection having a notch cut in its lower side.

1,508,631. RIDING SADDLE. LOUIS PHILIP WELLMANN, Sr., Union Hill, N. J., assignor of one-fourth to Frances Bertha Victoria Wellmann, one-fourth to Charles Henry Wellmann, one-fourth to Louis Philip Wellmann, Jr., and one-fourth to Harry Edwin Wellmann, all of Union Hill, N. J. Filed June 27, 1923. Serial No. 648,148. 5 Claims. (Cl. 54—44.)



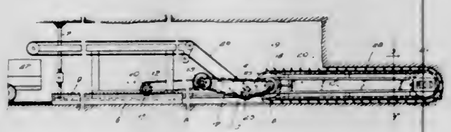
2. A saddle of the class described comprising a trussed frame, a neck piece connected to the sides of the frame, a seat mounted substantially centrally of the frame, and a girth for positioning the said frame over the withers.

1,508,632. TURNTABLE FOR PHONOGRAPHS. RAY B. WHITMAN, Bridgeport, Conn., assignor to Columbia Phonograph Company, Incorporated, Bridgeport, Conn., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,361. 11 Claims. (Cl. 274—39.)



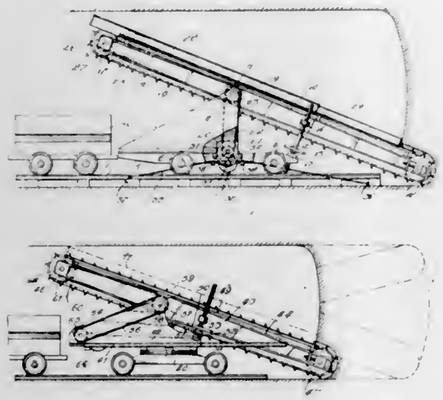
1. A turn-table for phonographs, comprising a sheet-metal disc having a plurality of perforations therein, to break up the diaphragm-effect of the turn-table.

1,508,633. MINING AND LOADING MACHINE. WALTER J. WILSON, Sewickley, Pa. Filed Oct. 9, 1917. Serial No. 195,560. 10 Claims. (Cl. 262—28.)



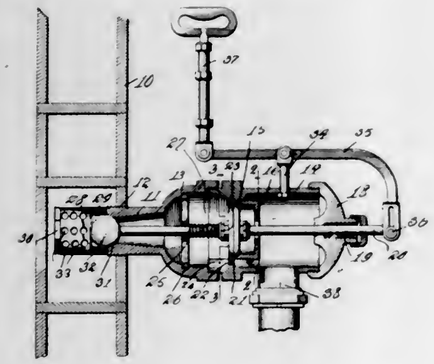
6. In a mining machine, the combination of a cutter bar and cutter chain adapted to cut all of the material within the path of the bar, and a guide whereby the excavated material may be supported as it is conveyed along the upper portion of said bar.

1,508,634. MINING AND LOADING MACHINE. WALTER J. WILSON, Sewickley, Pa. Filed Nov. 3, 1917, Serial No. 200,174. Renewed Apr. 18, 1924. 8 Claims. (Cl. 262—28.)



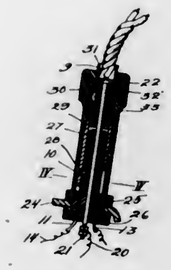
1. A mining machine of the cutter chain type, having a bar mounted on a horizontal axis with a chain having cutter bits coacting therewith and adapted to cut a kerf sufficiently wide to admit the bar, means for swinging said bar in a vertical plane to cut a vertical kerf, and means along said cutter bar adapted to keep the cuttings within the range of the cutter chain to provide a conveyor for conveying the excavated material.

1,508,635. SAFETY BLOW-OFF VALVE. RAYBON C. WOODHAM, Montgomery, Ala. Filed Sept. 16, 1922. Serial No. 588,727. 2 Claims. (Cl. 277—27.)



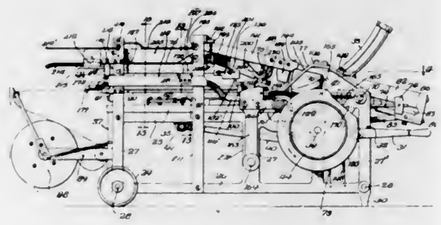
2. In combination, a body portion having a valve seat adjacent one end, and an enlarged extension at its other end a valve casing member threadedly mounted in said enlarged extension and provided with a valve seat intermediate its ends, a disk valve engageable with said latter valve seat, means for moving the disk valve from its seat, a stem projecting through the disk valve and through said body portion, a valve stem guide threadedly mounted in said body portion in its enlarged extension, said stem projecting through said guide, a spring disposed about the stem between the guide and the disk valve, a cage on the end of said body portion adjacent its valve seat, a check valve mounted in the cage and adapted to be moved from its seat by the stem when the disk valve is moved from its seat in the manner and for the purpose specified.

1,508,636. ELECTRIC SWITCH. ISABELL ALLEN, Kansas City, Mo. Filed Oct. 11, 1920. Serial No. 416,033. 2 Claims. (Cl. 200—6.)



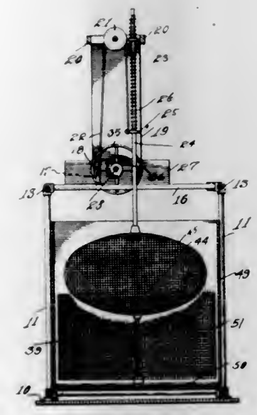
1. An electric switch, comprising a sleeve of insulating material, a cylindrical insulating stem within the sleeve, and provided externally with a plurality of cavities, contacts in said cavities and projecting beyond the circumferential plane of the stem, a conducting sleeve fitting rotatably in the insulating sleeve and over said stem above said contacts and provided with a switch extension for successive engagement with said contacts, a fixed conducting sleeve engaging the first-named conducting sleeve, an insulating sleeve within the said second conducting sleeve, a third conducting sleeve, within the last-named insulating sleeve, a rod in electrical engagement with the third conducting sleeve, and carried by the said stem, and a pair of electrical conductors respectively connected to the first-named conducting sleeve and said third conducting sleeve.

1,508,637. WRAPPING MACHINE. HARRY Y. ARMSTRONG, Syracuse, N. Y., assignor of one-half to William L. Hall, Chicago, Ill. Filed Mar. 10, 1922. Serial No. 542,541. 62 Claims. (Cl. 93—2.)



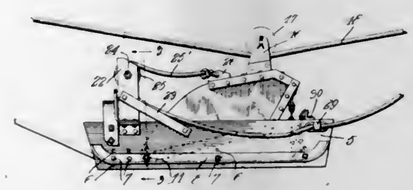
1. A machine for enfolding articles in the free end of a continuous wrapper web by a three stage feed of the wrapper web, comprising wrapping mechanism, including means to move an article thereto through, means to feed a length of the free end of the web across, and to assemble it with, the article to correspond with one vertical and a portion of the bottom dimension of the article, mechanisms successively operative while the said article is moving through the wrapper mechanism to draw the web in the respective second and third feed stages to correspond to the width dimension of the article, and to the other vertical and remaining bottom dimensions, and means to sever from the web the wrapper to permit its margins to be lapped one on the other and on the article.

1,508,638. WASHING MACHINE. WILLIAM C. AYERS, Scottsville, Ky. Filed Feb. 28, 1923. Serial No. 621,836. 9 Claims. (Cl. 68—19.)



1. A washing machine including a reciprocable dasher, means for reciprocating the dasher, a clothes containing basket, and connections between the basket and the dasher whereby during the final portion of the upstroke of the dasher the basket will be violently moved upwardly.

1,508,639. BUCKET. FITCH H. BEACH and FRED S. BEACH, Charlotte, Mich. Filed Mar. 19, 1924. Serial No. 700,285. 6 Claims. (Cl. 37—147.)

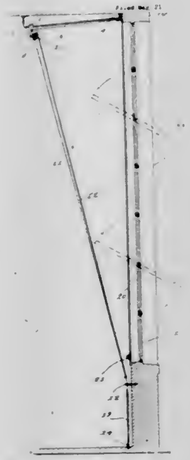


1. In a scoop, a supporting frame including side bars, a scooping member pivotally supported between the side bars of the frame, a flexible member having connection with the forward ends of the frame to move the frame and scoop in one direction, a flexible member having connection with the scoop and contacting with the frame to move the frame in the opposite direction and simultaneously move the scoop to a discharging position.

1,508,640. WINDOW SHADE. WILLIAM BLANCHARD, Boston, Mass. Filed May 21, 1923. Serial No. 640,458. 2 Claims. (Cl. 156—10.)

2. The combination with a pair of inclined tracks having upwardly directed terminal portions adapted for attaching the tracks to a ceiling, carriages mounted on said inclined tracks, holders pivotally suspended from said carriages, a roller having pintles connected to said holders, flexible elements connected to said holders and adapted for securing the holders in an adjusted position,

guide rods connected to said holders, contractile springs connected to the lower ends of the guide rods, a shade connected to said rollers and having eyelets receiving



said guide rods, and lengths of tape connected to said rollers adjacent the ends thereof and forming a means whereby to adjust said shade.

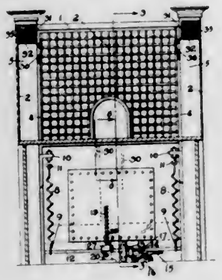
1,508,641. CLINKER REMOVER. ALEXANDER BOESRUP, Des Moines, Iowa. Filed July 2, 1923. Serial No. 649,602. 1 Claim. (Cl. 294—11.)



A clinker remover comprising a pair of similar members each composed of half round rods with their flat faces resting against each other, each of said members having clinker engaging fingers formed on one of their ends, handle loops formed on the opposite ends of said members, one of said members being longer than the other and having an inclined portion near the handle end thereof, a loop for holding the members together mounted on said members near the finger ends thereof, a stop for limiting the movement of the loop relative to one of the members, a second loop mounted on said members, the handle loop on one of said members being arranged on the opposite sides of said second loop for limiting its movement as and for the purposes stated.

1,508,642. BANK CAGE. THOMAS BOND, Brantford, Ontario, Canada. Filed Oct. 25, 1922. Serial No. 596,849. Renewed July 23, 1924. 6 Claims. (Cl. 268—2.)

1. In a bank cage, the combination with the front thereof, of a vertically slidable bullet proof shutter, means for pulling the shutter down into its inoperative position, a tension spring secured at its upper end to the cage and its lower end provided with a hook adapted to engage the bottom edge of the shutter upon its being moved down into the inoperative position whereby such spring is distended, releasable means for normally holding the shutter in the inoperative position, and a pivotally mounted catch on the cage normally held by the shutter in its inoperative position upon such shutter being in the down position, the free end of said catch swinging



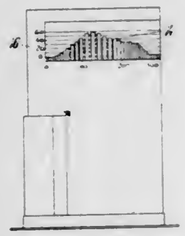
rearwardly and engaging the bottom of the shutter upon the latter being thrown upwardly into its fully closed position.

1,508,643. SELF-ADJUSTING CLAMP FOR CARD-TABLE COVERS. FRANK E. BROKAW, Schofield Barracks, Territory of Hawaii. Filed Nov. 24, 1923. Serial No. 676,847. 5 Claims. (Cl. 24—73.)



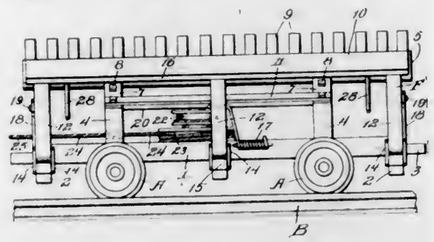
5. In a detachable clamp for table covers, a pair of clamping plates, a broad hooked end on each of said plates, said plates joined together by an elastic member, said plates having inner surfaces free from projections, perforations in each of said plates, the metallic web between said perforations being pressed out into a loop and a handle suspended from said loop.

1,508,644. SPEED-INDICATING APPARATUS. GUNNAR ELIAS CASSEL, Stockholm, Sweden, assignor to Artur Ledler, Djursholm, Sweden. Filed July 9, 1923. Serial No. 650,445. 10 Claims. (Cl. 235—1.)



10. In a speed indicator operated by a centrifugal governor driven by a wheel of a vehicle, means under the control of said governor to indicate the momentary speed of the vehicle, an indicating mechanism, connections between said governor and said mechanism to operate said mechanism under the control of the governor when the vehicle exceeds a certain speed, said means being arranged to operate with a certain play corresponding to a certain distance traveled by the vehicle, and means to restore said mechanism to normal after the vehicle has travelled a certain distance.

1,508,645. DUMPING CAR. MELVIN A. CAUDLE, Vanwood, W. Va. Filed Jan. 19, 1924. Serial No. 687,341. 5 Claims. (Cl. 105—270.)



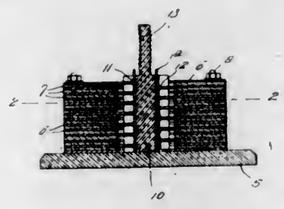
1. In combination with a car body, a tilting body mounted thereon, a swinging frame mounted upon the body and serving to hold the tilting body against movement, means for swinging the frame in one direction, and means carried by the tilting body engageable with said frame when moved in one direction to impart tilting movement to the tilting body.

1,508,646. LOW-QUARTER SHOE. MORRIS COOPER, Baltimore, Md. Filed Mar. 18, 1924. Serial No. 700,040. 3 Claims. (Cl. 36—50.)



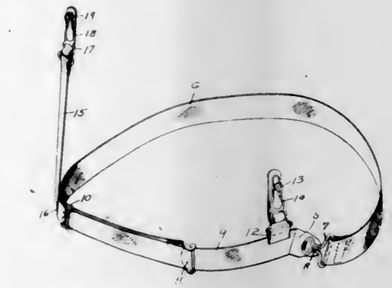
1. A shoe having an upper formed of three pieces, an inner quarter, an outer quarter overlapping the inner at the front and attached thereto for a part of the extent of the overlapping, and a vamp attached to each of the quarters and having a strap integral therewith at the inner side which passes over the overlapped portions and rearwardly to a point of attachment to the outer quarter which is located considerably to the rear of the instep and below the top of the shoe.

1,508,647. VARIABLE CONDENSER. JOHN W. CORNELIUS, Kingman, Ariz. Filed Sept. 18, 1923. Serial No. 663,364. 5 Claims. (Cl. 250—41.1)



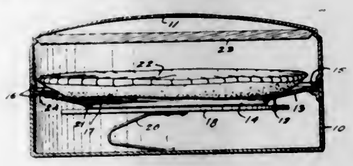
1. In a variable condenser, a pile of fixed plates, alternate ones of said plates being of conducting material, the remaining of said plates being of di-electric material, all of said plates being provided with central openings that register for providing a passage through the pile of plates, said conducting plates having projections extending into said passage, the projections of alternate ones of said conducting plates extending from one side of the passage, and the projections of the remaining plates extending from the other side thereof, a core longitudinally movable in the passage and having contact plates upon the sides thereof respectively engageable with the inner edges of the projections of alternate ones of the conducting plates, and means to facilitate adjustment of the core within said passage.

1,508,648. GARMENT RETAINER. AUGUST W. CROWN, Thief River Falls, Minn. Filed Sept. 29, 1922. Serial No. 591,240. 1 Claim. (Cl. 241—1.)



In combination, a leg encircling band of elastic material, a pair of garment retaining elements secured thereto and extending upward therefrom, one of said retaining elements formed longer than the other and adapted to be positioned at the outer side of the leg of the wearer, and the other of said elements formed comparatively short and adapted to lie adjacent the inner side of the leg of the wearer, an adjustable section located within the length of the encircling band and a section secured to the adjustable section at an angle with respect thereto, said last named section adapted to have connection with the encircling band for properly positioning said band upon the leg of the wearer.

1,508,649. VANITY CASE. GEORGE E. DAVIS, Des Moines, Iowa. Filed Mar. 19, 1924. Serial No. 700,412. 6 Claims. (Cl. 132—83.)

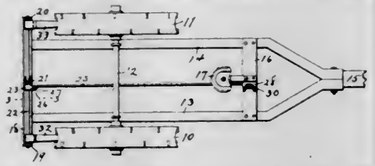


6. In a vanity case, a bottom receptacle, a top hinged thereto, a plate member hinged in said receptacle above the bottom thereof inclined from the wall of said receptacle downwardly and inwardly, and having a central opening, a disc below said opening and a spring supported on the disc for normally holding said disc against the lower edge of said plate and closing the opening therein.

1,508,650. WHEEL SCRAPER FOR LAND VEHICLES. CARL DUEKER, Cooper Township, Webster County, Iowa. Filed Oct. 28, 1920. Serial No. 420,086. 1 Claim. (Cl. 280—158.)

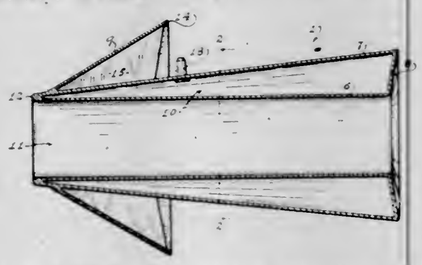
In a land vehicle having a frame and wheels supporting the same, an angle bar forming the rear end of said frame and projecting at its ends beyond the frame and across the paths of the wheels, bearings mounted in

end portions of said angle bar, a bearing mounted in the central portion of said angle bar, a rock shaft journaled in said bearings, an arm fixed to and extending forwardly and downwardly from said rock shaft, draft means attached to said arm, and scraper blades fixed to said rock



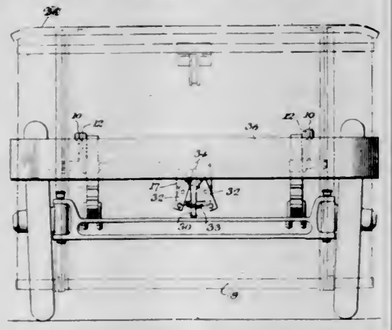
shaft between the outermost bearings and the sides of the frame and extending forwardly and downwardly at the rear of and into proximity with said wheels, said blades lying wholly to the rear of the wheels and normally depending out of contact with the rims thereof.

1,508,651. DEVICE TO AID SWIMMING. GEORGE EVANS, Redondo, Calif. Filed Nov. 7, 1923. Serial No. 673,295. 4 Claims. (Cl. 9—21.)



1. In a device of the character described, a hollow sleeve adapted for air inflation and capable of being placed over the human leg or arm whereby the pressure of air contained therein acts to hold said sleeve in place on the arm or leg.

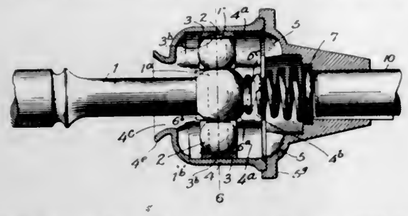
1,508,652. AUTOMOBILE FENDER. SAMUEL G. FITZ SIMONS, Charleston, S. C. Filed June 13, 1924. Serial No. 719,914. 8 Claims. (Cl. 293—41.)



3. An automobile fender comprising a pair of levers pivoted to the automobile, a curtain roller carried thereby, secondary levers pivoted to the first mentioned levers, a curtain roller carried by the secondary levers, a curtain connecting the two rollers, and flexible means for maintaining the seconday levers in substantially horizontal position at all times.

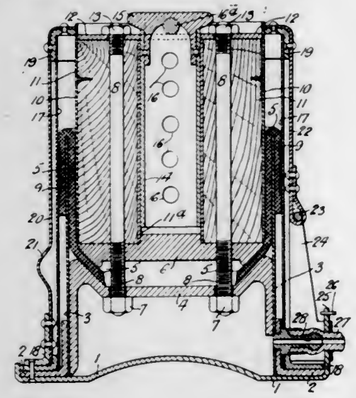
1,508,653. UNIVERSAL JOINT. JOHN BENJAMIN FLICK, Detroit, Mich. Filed Nov. 9, 1921. Serial No. 513,957. 6 Claims. (Cl. 64—103.)

1. For a universal joint as set forth, a member having a parti-spherical recess in its interior to conform with the spherical curvature of the ball, and its exterior shaped to slidably engage a guide slot; and having an



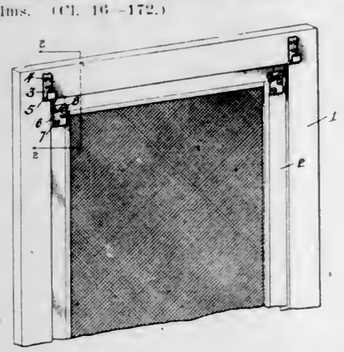
opening in its side less in width than the diameter of the ball to permit the introduction of the ball into the member.

1,508,654. PNEUMATIC APPARATUS. SIDNEY EALES HALES, London, England. Filed Feb. 14, 1923. Serial No. 618,934. 13 Claims. (Cl. 138—9.)



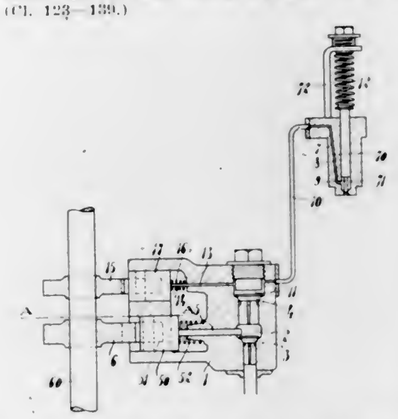
1. In pneumatic apparatus the combination of a cylinder, a piston, a flexible tube packing and a plate which clamps one end of the packing on to the piston to form an air tight joint between the piston and cylinder and whose outer periphery makes contact with the cylinder and guides the piston.

1,508,655. SCREEN HANGER. MARTIN HAUSER, Toledo, Ohio. Filed Nov. 20, 1922. Serial No. 601,973. 3 Claims. (Cl. 16—172.)



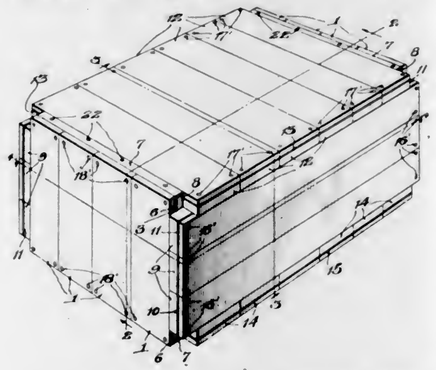
1. A device of the class described comprising a hook member, a hinged member having an eye, a Z-shaped wire member having one end portion in pivotal engagement with the hinged member eye and its other end portion in releasable holding engagement with the hooked member, the pintle member being rotatably and axially adjustable relative to the hinge member, and a set screw threaded through the pintle receiving portion of the hinge member and engaging the pintle to secure the parts in relative adjustment.

1,508,656. INTERNAL-COMBUSTION ENGINE. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Sept. 11, 1922. Serial No. 587,471. 3 Claims. (Cl. 123—139.)



1. In a fuel supplying device for internal combustion oil engines, the combination with a fuel pump, comprising a casing, a plunger, a suction valve, a discharge conduit and a discharge valve in the latter, of a fuel injecting valve to be opened by the pressure within said discharge conduit and closed by a flexible member, an additional plunger operating beyond said discharge valve, and means for controlling said additional plunger to maintain same against movement during the whole discharge period of the fuel pump plunger and cause it immediately at the completion of said period or subsequent thereto to effect a certain reduction of the pressure existing beyond the discharge valve to allow the fuel injecting valve to be positively pressed against its seat by the said flexible member.

1,508,657. PILFERPROOF BOX. JOHN L. HOOD, Pawtucket, R. I. Filed Oct. 17, 1923. Serial No. 669,174. 6 Claims. (Cl. 217—69.)



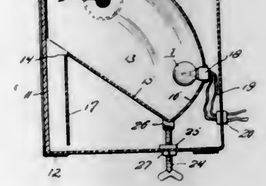
1. In a box, ends composed of boards having end tongues with kerfs on the outer sides of the tongues and shoulders adjacent to the inner sides thereof, J-shaped metal plates engaged over the tongues and in the kerfs, sides, a top and bottom each composed of boards having end kerfs located closer to the outer than to the inner faces of the last named boards, metal plates in the last named kerfs, the sides being arranged to lie between and flush with the respective shoulders of the ends, the top and bottom being seated on the shoulders and on the side edges of the sides, and headless roughened fastenings driven through the wide sides of the J-shaped plates and into the ends of the top and bottom, through the top and bottom and into the sides and through the sides into the ends, all of the fastenings having their roughened parts extending on the inner sides of the respective metal plates.

1,508,658. WALL BOARD. WILLIAM M. JENKINS, Chicago, Ill. Filed Jan. 17, 1924. Serial No. 686,858. 6 Claims. (Cl. 154—45.9.)



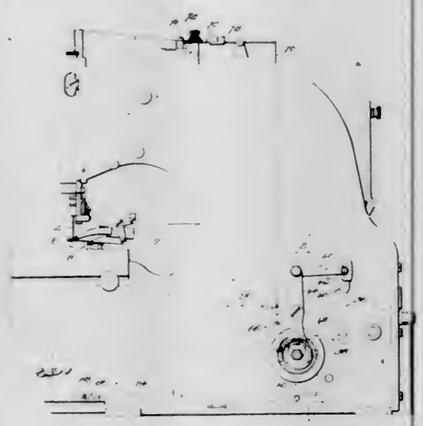
3. A wall board comprising a composition body provided along an edge thereof with a reenforcement including spaced legs straddling the edge of said body, one of said legs being longer than the other to provide a break joint connection with said body.

1,508,659. AUTOMOBILE LAMP. CHARLES J. KUNTZ and EDWARD A. LAURENT, Jeannette, Pa. Filed Nov. 5, 1923. Serial No. 672,853. 1 Claim. (Cl. 240—41.)



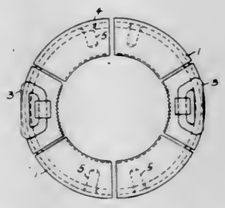
An automobile headlight comprising a substantially cylindrical casing open at its front end, a removable lens closing said front end, a substantially parabolic reflector disposed diagonally within the casing in a forwardly and upwardly inclined position, a forwardly and outwardly inclined flat bottom closing the lower side of said reflector, the upper end of said bottom terminating in spaced relation from the corresponding end of the parabolically shaped reflector and being bent laterally downward from the latter to provide a substantially semicircular shutter, the inner surface of said bottom being covered with light reflecting material, a lamp disposed within the reflector at the lower end thereof and spaced above the juncture of the lower end of the bottom with the corresponding end of the main reflector, means pivotally connecting the forward and upper end of said reflector to said casing, and adjusting means for the lower end of the reflector interposed between the latter and the casing.

1,508,660. BUTTONHOLE-SEWING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 6, 1921. Serial No. 475,222. 11 Claims. (Cl. 112—67.)



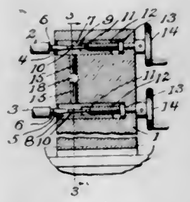
1. A sewing machine having, in combination, stitch forming mechanism, work feeding mechanism, and means for stopping the work feeding mechanism only, upon the breaking of the thread.

1,508,661. PIPE HOLDER. MILTON S. LIGNOSKI, Houston, Tex., assignor to Gerald R. Livergood, Houston, Tex. Filed Jan. 3, 1921. Serial No. 434,590. 2 Claims. (Cl. 24—263.)



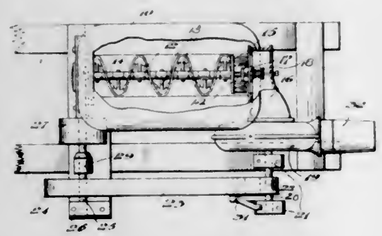
1. A pipe engaging means including a plurality of slips, each slip comprising a plurality of arcuate toothed jaws, and transverse flexible members intermediate the ends of said jaws to secure said jaws loosely together in the manner stated.

1,508,662. TAILSTOCK FOR MULTIPLE-SPINDLE LATHES. ZENONAS L. LITVINAS, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 523,139. 3 Claims. (Cl. 82—31.)



1. In a multiple spindle lathe, a tail stock having spindles, centers carried thereby for engaging the work, threaded bolts for adjusting said centers, hand wheels for operating the bolts, latches for engaging the spindles, a cone for operating the latches to lock the spindles, and means for operating the cone.

1,508,663. SPRAYING MACHINE. JOHN INGLIS LLOYD, Kentville, Nova Scotia, Canada. Filed June 23, 1922. Serial No. 570,371. 2 Claims. (Cl. 43—148.)



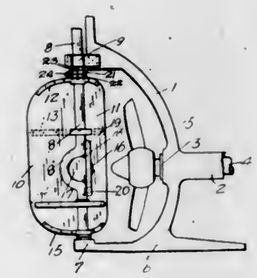
1. A power dusting machine comprising, in combination, a hopper, a horizontally arranged shaft within the hopper, conveyor means on said shaft, a pulverizing member adjacent one end of said shaft adapted to pulverize the material fed by said conveyor means, a feed chamber, a communicating passage between the feed chamber and the hopper comprising a plurality of radiating openings in the wall of the hopper adjacent said pulverizing member, and means for controlling the supply of material from the hopper to the feed chamber, a perforated disc member on the outer end of said shaft, and lever means for operating said disc whereby the orifices therein are designed to register with the orifices in the hopper wall, blower means for the feed chamber, a fan for the blower, and means for driving the fan and the conveyor shaft.

1,508,664. TRAVELING BLOCK. FRANK F. MIZE, Seal Beach, Calif. Filed Oct. 22, 1923. Serial No. 669,937. 4 Claims. (Cl. 254—192.)



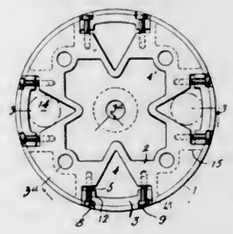
1. A traveling block embodying cheek pieces, sheave pins supported by the cheek pieces, sheaves on the pins and between the cheek pieces, becket pins extending between the cheek pieces near their ends, and beckets on the becket pins and having their outer side faces flush with the outer faces of the cheek plates.

1,508,665. RUDDER CONSTRUCTION. JAMES HENRY MCCUTCHEON, Collingwood, Ontario, Canada. Filed Feb. 12, 1924. Serial No. 692,379. 7 Claims. (Cl. 114—162.)



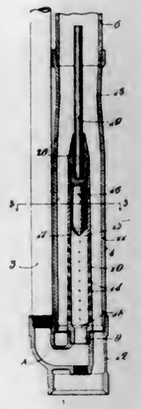
1. In a ship, the combination with the stern post and tail shaft, of a rudder turnably mounted upon the stern post and provided with an orifice adapted to be brought into alignment with the tail shaft when the rudder is turned at right angles to such shaft to permit the withdrawal of the shaft through the orifice.

1,508,666. ELECTRIC BOX. EDWARD NIEDERMAN, Norwich, Conn., and MORRIS J. KRINSKY, New York, N. Y. Filed Aug. 9, 1920. Serial No. 402,155. 2 Claims. (Cl. 247—15.)



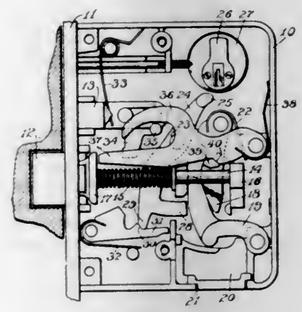
1. An electric box comprising a body formed with a plurality of notches in the periphery thereof; extending from the top to the bottom of the body, said notches having a V-shaped section merging into a substantially rectangular, enlarged section, a clamping plate formed with shoulders adapted to fit against the inner walls of said rectangular section arranged in each notch, said clamping plate being adapted to clamp in said V-shaped section cables passing therethrough and screw means passing through said plates adjacent the shoulder section thereof for clamping the same in position in front of the notches.

1,508,667. AIR-LIFT PUMP. JOHN OLIPHANT, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 29, 1919. Serial No. 313,997. Renewed Feb. 11, 1924. 22 Claims. (Cl. 103—232.)



1. In an air lift pump, a perforated mixing tube, and floating means thereon adapted automatically to permit an increase in the rate of pressure fluid flow through the perforations therein.

1,508,668. LOCK. CARL J. PRINZLER, Indianapolis, Ind., assignor to Vonnegut Hardware Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 26, 1922. Serial No. 570,846. 18 Claims. (Cl. 70—92.)

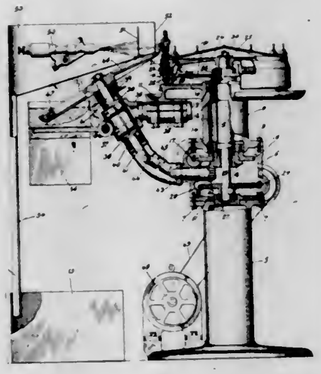


2. The combination with a latch normally projected into locking position, of key controlled means for locking said latch in retracted position and key controlled mechanism for retracting said latch, said locking means being set in operative position by the key and rendered active to lock the latch in its retracted position by the independent retraction of the latch.

1,508,669. STENCILING MACHINE. HECTOR RABEZZANA, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 29, 1922. Serial No. 557,276. 11 Claims. (Cl. 101—114.)

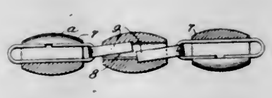
1. In a stenciling machine, a rotatable carrier; means for supporting a plurality of articles to be stenciled in spaced relation with one another about the periphery of said carrier; a unitary rotatable stencil wheel formed as a single substantially rigid structure and the periph-

ery of which moves adjacent articles to be stenciled carried by said carrier; a plurality of stencils carried by and held in fixed relation to, and spaced about the pe-



riphery of said stencil wheel; means for supplying a stenciling material to said stencils; and means for rotating said stencil wheel and said carrier at definite speeds relative to one another.

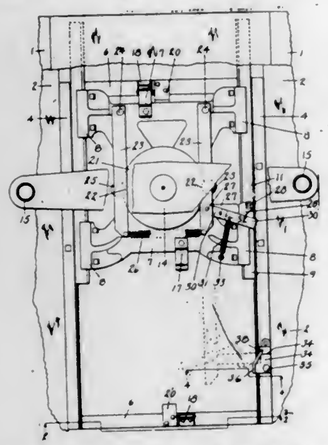
1,508,670. CHAIN. SAMUEL TROOD, Haysville, Pa.: Sophia Trood, administratrix of said Samuel Trood, deceased, assignor of one-fourth to John H. Raney, Ingram Borough, Pa. Filed Feb. 17, 1922. Serial No. 537,166. 5 Claims. (Cl. 152—14.)



1. A unit for chains comprising a wearing member having a channel longitudinally thereof, substantially oblong in cross sectional dimension, and a connecting member consisting of a rod bent to form an elongated link corresponding in configuration with said channel, the intermediate portion and the separable ends of said connecting member being seated in the channel in said wearing member, and the curved ends projecting from opposite ends of said channel.

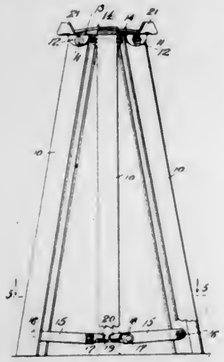
1,508,671. REVOLVING-RACK SHOWCASE. JOHN J. VERWYS, Sparta, Mich., assignor to The Welch Mfg. Co., Grand Rapids, Mich. Filed June 15, 1922. Serial No. 568,437. 5 Claims. (Cl. 211—16.)

1. In a revolving rack show case, the combination of a suitable carriage, a revolving rack on a suitable revolving column on said carriage, side rails for said carriage, a disk carried by the said columns with notches on opposite sides thereof, levers pivoted to the said carriage and carrying detent rollers adapted to engage the notches on said disk, a spring for drawing the said levers together to engage the said horizontal disk, a pivoted locking latch pivoted to one of said levers, a stop on the side of said carriage cooperating with the end of said latch to lock said lever against movement, an angularly disposed lever fulcrumed on the pivot of said latch and pinned thereto, a spring for drawing the same yieldingly forward, a double stop on the side rail with one stop portion to act upon said latch and swing it out of engagement and the lever to the right angle position when the carriage is pulled to the front position and the other stop to engage the said pivoted lever when the yielding lock lever is moved outward by



the turning of the rack to lock the carriage in front position until the rack is turned crosswise, coacting as specified.

1,508,672. SUPPORTING STAND FOR AUTOMOBILES AND OTHER PURPOSES. WILLIAM BARBER, Brooklyn, N. Y. Filed Sept. 28, 1921. Serial No. 503,969. 6 Claims. (Cl. 248—41.)

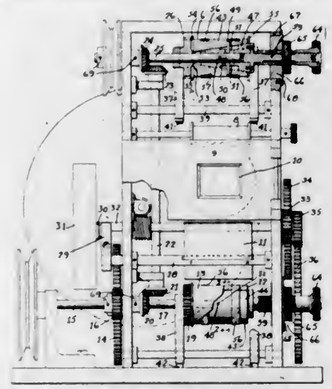


2. An automobile supporting stand comprising a supporting plate having portions pressed out therefrom to form pivot ears, and supporting legs having lips overlapping each other, said legs being pivotally connected at their upper ends to said pivot ears, a link pivotally connected to the lower end of each leg and a central plate to which all the links are pivotally connected, said links having extended ends to engage and bear on the upper surface of said central plate when said legs are spread apart from each other to form a limiting stop therefor.

1,508,673. MOVING-PICTURE MACHINE. GEORGE W. BINGHAM, New York, N. Y. Filed Jan. 8, 1924. Serial No. 684,925. 18 Claims. (Cl. 88—186.)

1. In a motion picture machine having an exposure opening, cooperating continuously rotating rolls for feeding the film to the exposure opening, a beater for intermittently advancing the film past the exposure opening and cooperating continuously rotating take-up rolls for

advancing the film and holding the same against retrograde movement during action of the beater, means for varying the peripheral size of one of the take-up rolls during the rotation of the same to regulate the length



of film advanced at each stroke of the beater and means for correspondingly varying the peripheral size of one of the feed rolls during the rotation of the same to feed the film to the advancing mechanism at a proportionately greater or lesser peripheral speed.

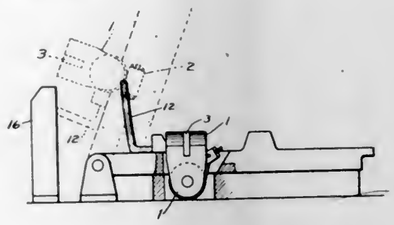
1,508,674. DOUBLE HARDY. JOSEPH A. BROWNE, Melrose, Mont. Filed Nov. 6, 1923. Serial No. 673,230. 8 Claims. (Cl. 164—47.)

1. A double hardy, comprising a lower hardy, an upper hardy, channel bars attached to the end surfaces of the lower hardy, and quick-detachable means to hold the channel bars to the lower hardy.

1,508,675. PERMANENT-HAIR-WAVING DEVICE. GEORGE G. CAMPANA, New York, N. Y., assignor to Ernest O. Frederics. Filed Feb. 12, 1921. Serial No. 444,338. Renewed Aug. 1, 1922. Serial No. 579,063. 19 Claims. (Cl. 132—36.)

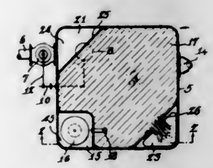
1. In a device of the class described, in combination, a tubular member, a shield having a plurality of parts adapted to be moved into engagement with a lock or tress of hair, said tubular member and said shield having mutually engaging interlocking parts.

1,508,676. STAMP-OPERATING DEVICE. MACE E. CHARLESTON, Vancouver, British Columbia, Canada. Filed Mar. 27, 1924. Serial No. 702,210. 3 Claims. (Cl. 101—98.)



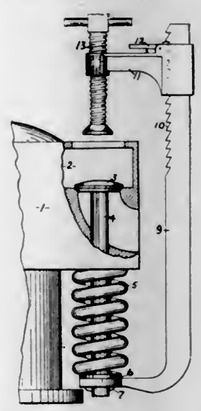
1. A device for inking numbering stamps or the like comprising a means for raising the stamp; another means for returning the stamp to the normal position; and an ink roller with a means for resiliently holding it in such a position that the stamp will pass over it.

1,508,677. DIAGONAL-FLOW METER. LYLE G. CHASE, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1920. Serial No. 377,361. 11 Claims. (Cl. 73—167.)



1. A weir meter having a weir plate, a chamber back of the weir plate of general rectangular horizontal cross section, and having the inlet to the chamber located in proximity to one of the corners of the rectangle, in combination with a baffle across the corner in which the inlet is located.

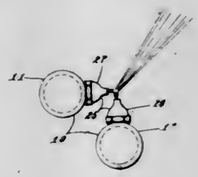
1,508,678. VALVE REMOVER. EDMUND L. CRIDGE, Passaic, N. J. Filed Oct. 19, 1921. Serial No. 508,764. 1 Claim. (Cl. 29—86.3.)



In a valve remover, a bent member, a series of saw-toothed notches upon the inner edge of said member, a slidable compression member, arranged at one end to slide upon the end of said bent member and at its other

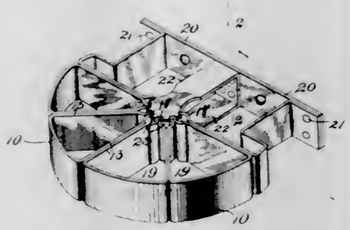
end having a compression-screw, said compression member having mounted thereupon, a spring-catch in such manner as will engage, progressively, each tooth of the series of saw-toothed notches upon the said bent member, whenever the said compression member is placed upon the said bent member and in such manner as will cause the said spring-catch to hold the compression member at any position upon the said bent member, whenever, the said compression-screw meets any resistance that would tend to push off the said compression member from the said bent member.

1,508,679. SOOT BLOWER. PHILIP W. DALRYMPLE, Baltimore, Md. Filed Sept. 12, 1919. Serial No. 323,290. 5 Claims. (Cl. 122—392.)



1. In a soot blowing or similar apparatus, means for directing and varying the direction of a fluid jet consisting of a plurality of converging nozzles, means for supplying fluid under pressure to each nozzle, and means for varying the relation which the pressure and velocity of the supply of fluid to one of said converging nozzles bears to the pressure and velocity of the supply to another of said nozzles.

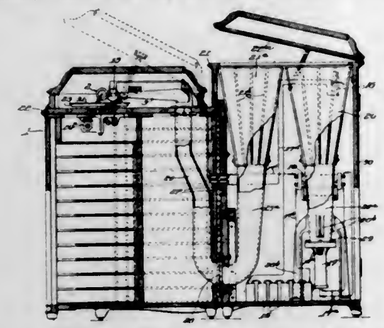
1,508,680. RACK. ANTHONY DANIELS, Newark, N. J. Filed Aug. 19, 1922. Serial No. 582,852. 5 Claims. (Cl. 211—13.)



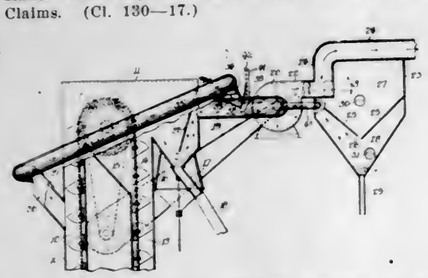
2. A rack formed of a strip of spring material, said strip being bent into a series of alternately arranged small closed loops and broad open loops with the sides of the open loops parallel and close together, and a back plate having claws to enter the closed loops and hold the strip in position.

1,508,681. SOUND-REPRODUCING MACHINE. LEON F. DOUGLASS, San Rafael, Calif., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Apr. 24, 1916, Serial No. 93,275. Renewed Apr. 27, 1922. Serial No. 557,035. 16 Claims. (Cl. 179—100.1.)

2. In a sound reproducing machine, the combination with reproducing means adapted to produce primary vibrations from a record tablet, and a conduit for such vibations, of a telephonic circuit whose transmitter is mounted on said conduit and out of contact with the sound box and stylus of the reproducer, and whose diaphragm is actuated solely by said primary vibrations, an amplifying chamber into which said conduit discharges the primary vibrations, a second amplifying chamber operatively communicating with the receiver of the telephonic circuit, a cabinet for said amplifying chambers, and means thereon for commingling and deflecting the amplified primary and secondary sound vibrations.

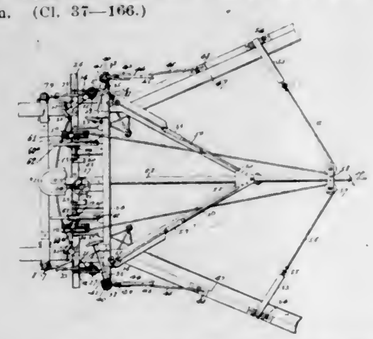


1,508,682. DEVICE FOR REMOVING DUST FROM GRAIN ELEVATORS. ROY L. DOWDALL, Oberlin, Kans., assignor of one-half to C. C. Palmer, Concordia, Kans. Filed Sept. 15, 1923. Serial No. 662,828. 8 Claims. (Cl. 130—17.)



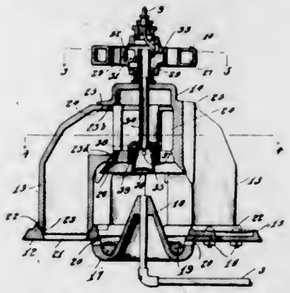
1. In an apparatus of the character described, the combination with a leg of a grain elevator, of a suction fan, a pair of suction pipes both communicating at one end with the suction side of said fan and at their other ends with said leg, and a single manually operable valve operative to direct the suction wholly through either of said pipes or to divide it in varying relative lengths between them.

1,508,683. ROAD GRADER. LEW B. EVANS, Marietta, Ohio. Filed Nov. 18, 1921. Serial No. 516,181. 1 Claim. (Cl. 37—166.)



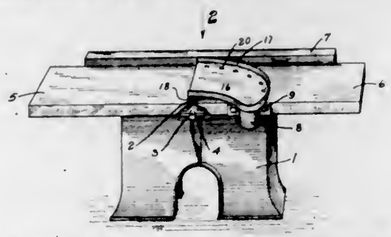
In a road scraper, a frame, traction wheels separate from the frame, pivotally mounted means supported by the traction wheels, means for connecting the pivotally supported means to the frame whereby the frame is elevated or lowered, worm and gear mechanism for actuating the pivotally mounted supporting means, scraper blades having their rear ends pivotally mounted on the frame, links connected to the said blades, the blade operating mechanism being arranged in pairs each comprising an arm, a bracket on which the arm is oscillatably mounted, a segmental worm forming a part of each arm, a shaft on which the bracket is mounted, a worm wheel on the shaft for engaging the worm of the arm, means for rotating the shaft in opposite directions for oscillating the arm, and means for moving the blades transversely and for holding them in different positions of adjustment.

1,508,684. DOWNDRAFT OIL BURNER. OSCAR FALKENWALDE, Baltimore, Md. Filed Jan. 23, 1923. Serial No. 614,437. 8 Claims. (Cl. 158—91.)



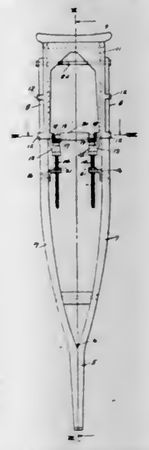
7. A burner of the character specified comprising a base plate having a centrally disposed fuel vaporizer and having a plurality of openings in the outer portion grouped about the fuel vaporizer, a plurality of air ducts having their lower ends fitted to the openings in the base plate, a hollow crown disposed above the fuel vaporizer and provided with openings corresponding in number and position with the openings in the base plate, the upped ends of said air ducts being inturned and reduced and having their top and vertical sides straight and having their bottom sides beveled, said openings in the hollow crown being surrounded by outwardly disposed flanges which receive the upper reduced and inturned ends of said air ducts, the top portions of each of said flanges being straight to obtain a horizontal bearing upon the top side of the inturned ends of the air ducts, the vertical side portions of the flanges being straight and parallel to receive the straight sides of the inturned ends of the air ducts, the lower portions of each of said flanges being outwardly flared to receive the lower beveled sides of the inturned ends of the air ducts, and said hollow crown having its lower end open to direct air downwardly in the direction of the fuel vaporizer.

1,508,685. SAFETY DEVICE FOR JOINTERS. ANDREW FLOHR, Colorado Springs, Colo. Filed Oct. 20, 1923. Serial No. 669,732. 2 Claims. (Cl. 144—251.)



1. A guard adapted to be secured to a jointer table for covering the cutters, said guard comprising in combination a cylindrical casing provided with lugs on its outer surface for the reception of securing bolts, a tubular member rotatably mounted in said casing, a spiral spring in said casing, the outer end of the spring being secured to the casing and the inner end being secured to the tubular member, a sheet metal guard plate having a non-circular pin secured near one end for cooperating with the tubular member, said guard member having a convexly curved side, a flange along said convex side, and a downwardly extending flange at its free end.

1,508,686. ADJUSTABLE CRUTCH. EDWARD P. GAVETTY, Dyerville, Calif. Filed Oct. 2, 1923. Serial No. 666,176. 6 Claims. (Cl. 135—50.)



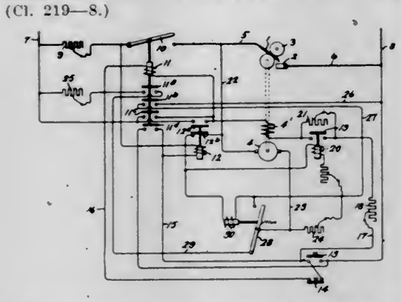
1. A crutch having a slidably extendible frame, an arm rest and a revolvable hand grip on one portion of the frame, and means revolvable with said hand grip adapted for sliding the frame portions positively in either direction relative to one another.

1,508,687. PLIERS. SCOTCH E. GILLEY, Warren, Ark. Filed Mar. 6, 1923. Serial No. 623,136. 1 Claim. (Cl. 7—3.)



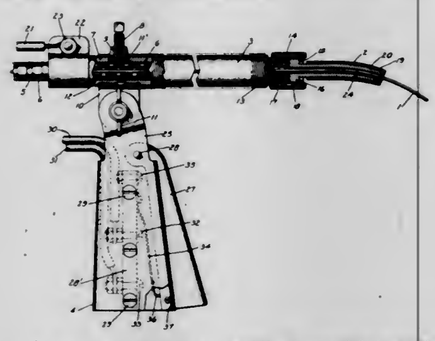
The combination with oppositely disposed jaws of a pair of pliers, of removable plates carried by said jaws, said plates being provided with transveresly disposed crimping ribs, the ribs of one plate being out of registration with the ribs of the other plate, cutters carried by the inner ends of the plates and adjacent one side thereof, said plates being provided with dovetail-shaped ribs longitudinally disposed and in similarly shaped channels in the jaws, and pins extending through registering apertures in the jaws and registering channels in the outer faces of the dovetailed ribs of the plates.

1,508,688. CONTROL SYSTEM FOR AUTOMATIC ARC-WELDING APPARATUS. CHARLES E. GLASSER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 12, 1921, Serial No. 500,007. Renewed Apr. 9, 1924. 4 Claims. (Cl. 219—8.)



4. An arc welding system comprising a pair of constant voltage mains and a welding circuit adapted to supply welding electrodes, an electrode feed motor having one armature terminal connected to one of said electrodes, a pair of resistors connected across said constant voltage mains, a switch for controlling the welding circuit, a switch for controlling the electrode feed motor arranged in one position to connect the other terminal of the armature to a point between said resistors to give a Wheatstone bridge effect for operating said motor to start the arc, said feed motor control switch being arranged in another position to open the circuit between said resistors and connect said armature directly across the arc, and means operated by said welding circuit control switch to control the circuit through said resistors to prevent the flow of current therethrough when the welding circuit control switch is open.

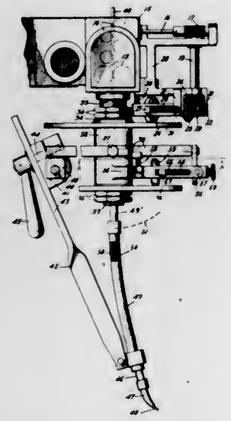
1,508,689. METALLIC ARC WELDING. CHARLES E. GLASSER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 23, 1921, Serial No. 502,625. Renewed Apr. 9, 1924. 13 Claims. (Cl. 219—8.)



1. A device for electric arc welding comprising an electrode delivery member provided with an opening through which an electrode may be moved said opening being constructed to bend the electrode as it is passed therethrough whereby a good electric contact is made between the member and electrode.

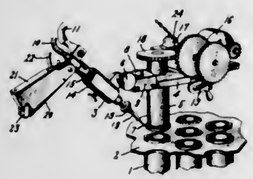
1,508,690. WELDING MACHINE. CHARLES E. GLASSER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 11, 1922. Serial No. 600,201. 16 Claims. (Cl. 219—8.)

1. In a welding machine of the class described wherein a welding arc is maintained between a metallic electrode and the work and wherein feeding means is provided for continuously feeding the electrode to the arc, the combination of a support, a flexible guide for guiding said electrode from the feeding means to the arc, a movable arm projecting from said support adapter to support the discharge



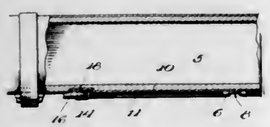
end of said flexible guide, and means for imparting oscillatory movements to said movable arm and the discharge end of said flexible guide, and means for imparting oscillatory movements to said movable arm and the discharge end of said flexible guide.

1,508,691. ELECTRIC-ARC WELDING. CHARLES E. GLASSER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 15, 1923. Serial No. 639,196. 11 Claims. (Cl. 219—8.)



1. An arc welding apparatus of the type wherein a continuous electrode is fed from a source of supply to a welding tool located at a distance from said source and wherein said tool is mounted to rotate about an axis to produce welds of circular character comprising in combinations means for rotating said tool about its own axis as it rotates about said first mentioned axis.

1,508,692. CARD HOLDER. CHARLES T. GOEWEY, South Bend, Ind. Filed Sept. 24, 1923. Serial No. 664,568. 4 Claims. (Cl. 40—16.)



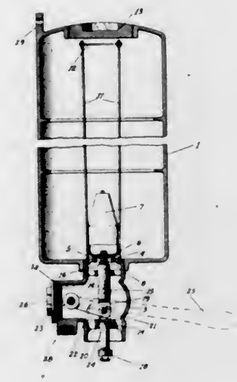
1. The combination with a base, of a frame attached along its longitudinal edges to said base and having one end open, a stud carried solely by the open end of said frame and adapted to engage said base whereby to receive a card beneath the base, said stud having its terminal portion provided with a disk-shaped head adapted to underlie cards beneath the frame.

1,508,693. STOP SIGNAL FOR AUTOMOBILES. CLYDUS GROVE, Sistersville, W. Va. Filed Nov. 14, 1923. Serial No. 674,676. 2 Claims. (Cl. 116—45.)



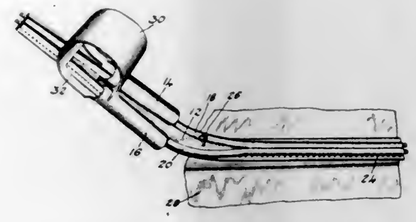
1. An automobile signal comprising a U-shaped bracket having an aperture midway the cross bar thereof to receive a fastening bolt, a pintle passing through the free ends of the arms of said bracket and having one end extended at right angles and bent to form an eye, a plate mounted on said pintle and having a lug extending laterally from one end thereof and engaged with the bent end of the pintle to provide for the turning of the plate on the turning of the pintle, coiled springs connecting said plate and bracket and adapted to normally hold the plate in raised position, and means connected with said pintle eye for swinging the plate downward in a plane at right angles to the bracket against the tension of the spring.

1,508,694. FLUSH VALVE. CHARLES H. GUNN, Oakland, Calif. Filed Nov. 27, 1922. Serial No. 603,521. 2 Claims. (Cl. 4—28.)



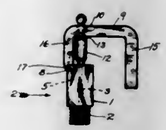
1. A flush valve structure comprising a hollow fitting adapted to be interposed between the lower end of a tank and a toilet bowl, a float valve to seat adjacent the upper end of the fitting, a vertical rod in the fitting below the valve and adapted to engage and raise the same, means for raising the rod, guide sleeves in the fitting for the latter, a shoulder on the rod resting on the upper face of one sleeve when the rod is in its lowermost position, and an adjustable nut on the rod and adapted to abut against the under face of the sleeve when the rod has been raised a predetermined amount.

1,508,695. SPREADING DEVICE FOR BINDERS. LEON ELLSWORTH HILL, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 28, 1923. Serial No. 621,961. 4 Claims. (Cl. 1—47.)



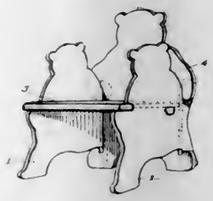
1. A spreading device comprising a piece of sheet metal having a central portion to engage the bottom of a welt strip and having opposite sides bent upwardly and inwardly and downwardly to form oppositelyl-disposed plow parts to spread apart a pair of strips of piping carried by the welt strip.

1,508,696. SAFETY VALVE. JOSEPH H. JACOBS, Denver, Colo. Filed May 5, 1923. Serial No. 636,815. 2 Claims. (Cl. 137—53.)



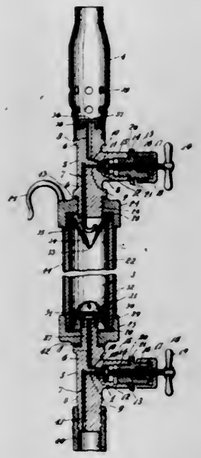
1. A safety valve comprising a body member having a longitudinal opening therein, a U-shaped lever consisting of a single piece of metal having the end of one of its side members pivotally connected to said body member near the top thereof an opening in the base of said lever and a valve member loosely mounted in said opening so as to be movable transversely of said lever and adapted to seat in the end of the opening and seal the same.

1,508,697. CHAIR. LEO HELMHOLZ JUNKER, New York, N. Y. Filed June 9, 1922. Serial No. 567,180. 2 Claims. (Cl. 155—196.)



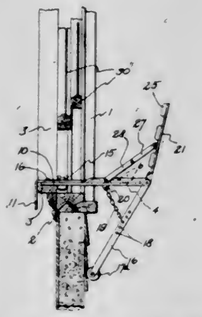
1. A knock-down chair comprising a rear-member having upper and lower locking grooves, side-members having upper locking grooves and lower locking means, the latter adapted to engage the lower locking grooves of the rear-members, said lower locking means comprising a step arrangement having horizontal and vertical bearing surfaces acting as an intermediate support during the assembling of the chair and also horizontal and vertical surfaces acting as the final support, and a seat pivotally journaled in the side-members and adapted to rest on the forward portions of said side members and hold the rear-member in position.

1,508,698. BLOWTORCH. MAYNARD KELL and WILLIAM CONNARE, Pittsburgh, Pa., assignors to Pumpless Blow Torch Company, Pittsburgh, Pa. Filed Feb. 15, 1923. Serial No. 619,140. 3 Claims. (Cl. 158—33.)



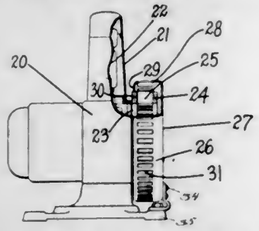
3. In a blow torch using gasified liquid as fuel, the combination of a fuel supply; a main fuel expansion chamber positioned intermediate said fuel supply and burner; valves for regulating and controlling the entrance and exit of said fuel into and from said main expansion chamber; an additional expansion chamber formed by a partition of screening of suitable fineness located adjacent and after the fuel inlet of said main chamber; a third expansion chamber positioned adjacent and in advance of the fuel exit of said main chamber; said third chamber being formed of a solid partition having an opening therein for the passage of the fuel; said additional chambers being positioned within the main chamber, and means to prevent the clogging by foreign matter of the valve controlling the fuel exit of said torch; said means consisting of a heat up tube inserted into the fuel duct connecting said valve with said third expansion chamber.

1,508,699. COLLAPSIBLE SAFETY WINDOW SEAT. ARTHUR KETELSEN, Port Richmond, N. Y. Filed Mar. 27, 1923. Serial No. 627,945. 1 Claim. (Cl. 304—27.)



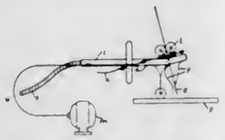
A device of the class described comprising a pair of spaced apart angle irons, slats on the same forming a seat, a back rest hingedly connected to the angle irons at one end thereof, slats covering the back rest brace rods pivotally connected to the outer ends of said angle irons and adapted to be suspended therefrom, said brace rods having a plurality of holes intermediate their length, chains adapted to engage one of its ends in any of said holes, the opposite ends of said chains being connected to the seat angles, a shaft member connecting the lower end of said brace rods, rollers mounted on said shaft, said brace rods being adapted to be retained in angular position, the rollers thereon contacting with a substantially vertical surface thereby supporting the outer ends of the seat angles, an angular hook releasably connected to each seat angle, means for extending said hang hooks, and means for retaining the back rest in substantially vertical position.

1,508,700. PROTECTING DEVICE. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 26, 1917. Serial No. 157,442. 12 Claims. (Cl. 123—171.)



1. In a device of the character described, the combination with a rotating element having a periphery adapted to function as a fan and having peripheral blades; of a guard for said rotating element including an end plate having a cylindrical portion adapted to lie concentric with the periphery of the moving element, said cylindrical portion being provided with ventilating openings and having ejector blades secured to said portion and extended toward the periphery of the rotating element.

1,508,701. HAND-OPERATED ARC-WELDING APPARATUS. CHRISTIAN KRÄMER, Berlin-Pankow, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 13, 1922. Serial No. 560,829. 3 Claims. (Cl. 219—8.)

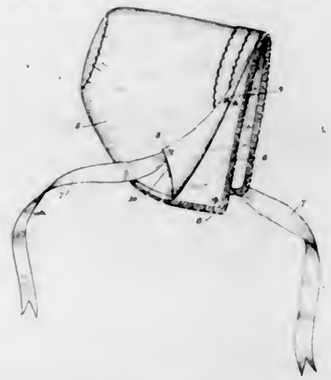


1. A hand welding apparatus for arc welding of the type wherein motor operated means is provided adapted to feed an electrode continuously to an arc between the electrode and the work characterized by the feature that the rotation of the motor is transmitted to the feeding means by a flexible shaft in order to provide a light and readily handled welding tool and by the feature that a switch is arranged on the welding tool for manually controlling the circuit of the feed motor.

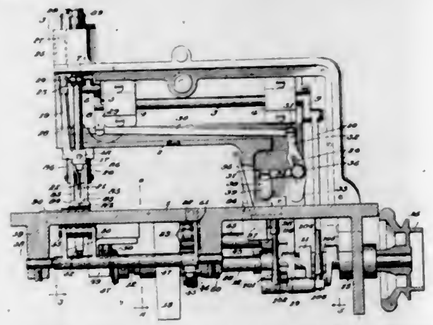
1,508,702. BABY'S CAP. KATHERINE LARK, Brooklyn, N. Y. Filed Aug. 4, 1922. Serial No. 579,559. 2 Claims. (Cl. 2—204.)

1. An infant's cap comprising a unitary permanently shaped outer cap member, full fashioned to itself completely fit the head of an infant and form a complete cap, a lining for said cap member, said lining also being a unitary completely formed permanently shaped full fashioned cap member to fit within and give shape to the outer cap member, both said permanently shaped cap and lining members having imperforate and continuous forward edges whereby the forward portion of the

cap member presents a complete finished appearance whether or not the lining is within the same and whereby such continuous edges provide bases for the attachment of fasteners and cooperating snap fastener elements secured on the inner face of the continuous forward edge of the cap member and on the outer face of the corresponding edge of the cap lining to detachably hold the permanently shaped lining in position within and imparting its shape to the cap member and permitting instant separation of the lining from the cap by simple separation of the snap fasteners at the forward edges of the lining and cap members.



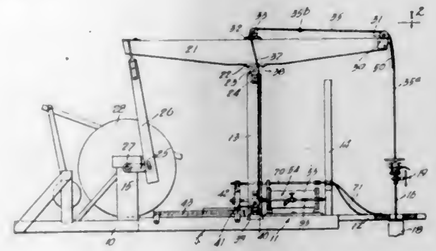
1,508,703. SEWING MACHINE. JAMES LEATHEM, Lebanon, Pa. Original application filed Sept. 15, 1920. Serial No. 410,472. Divided and this application filed Jan. 10, 1922. Serial No. 528,258. 13 Claims. (Cl. 112—241.)



1. A high speed sewing machine including in combination, an oscillating needle operating means providing a relatively short reciprocation of the needle bar, a driving shaft, a crank on said driving shaft, means connecting said crank to the oscillating needle operating means, a take-up lever, means pivotally mounting said lever for movement longitudinally of the driving shaft, and means interposed between said connecting means and take-up lever for actuating the latter, said last named means being caused to move through a comparatively short path of travel determined by the crank operating said needle oscillating means.

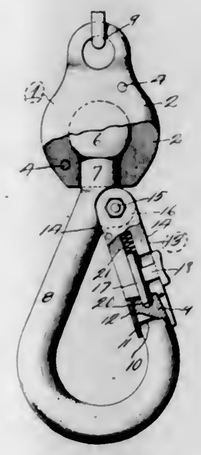
1,508,704. WELL-DRILLING APPARATUS. ROY E. LEONARD, Los Angeles, Calif. Filed Feb. 2, 1921. Serial No. 441,953. 9 Claims. (Cl. 255—15.)

1. In well drilling apparatus, a drilling line, operating mechanism for the drilling line, a slidable cross head, a flexible member conecting the drilling line and cross head and arranged in connection with the operating mechanism so that the drilling line is operated by said operating mechanism, a stationary cylinder, a piston in the



cylinder, and a connecting rod connected to the piston, arranged through one end of the cylinder, and connected to the cross head so that the drilling line is supported by fluid pressure in the other end of the cylinder.

1,508,705. SWIVEL HOOK. DAVID E. MAHAN, Portland, Oreg. Filed Apr. 4, 1924. Serial No. 704,278. 1 Claim. (Cl. 24—241.)

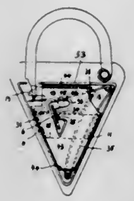


The combination with a swivelly mounted hook, said hook being provided with a pivoted catch, a rectangular shaped end carried by said hook and forming oppositely disposed shoulders, said pivoted member being provided with a spring actuated bolt slidably mounted in the pivoted member and cooperating with an aperture in the rectangular shaped end of the hook, said rectangular shaped end of the hook being disposed in a chamber in the free end of the pivated member and shoulders disposed in said chamber and cooperating with the shoulders formed by the rectangular shaped end of the hook, whereby the hook is braced when strain is applied thereon.

1,508,706. LOCKS OF ALL KINDS. FRIEDRICH WILHELM MEWS, Berlin-Steglitz, Germany, assignor to Oragwerk A. G., Wandsbeck, near Hamburg, Germany. Filed Sept. 17, 1921. Serial No. 501,379. 13 Claims. (Cl. 70—106.)

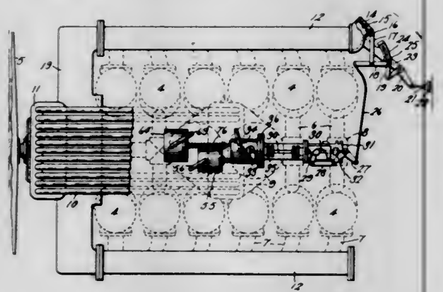
1. A lock comprising a case, a ward plate loosely inserted in said case and provided with lugs, bent only towards one wall of said case, a supplementary plate

inserted between said case and said ward plate and provided with lugs, bent only towards the opposite wall



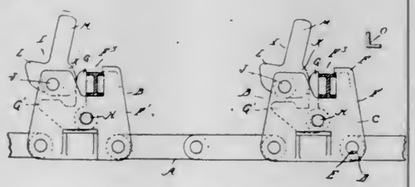
of said case, and a spring-pressed bolt having lugs, bent to the same side of said bolt which is guided in said case by said ward plate and said supplementary plate.

1,508,707. CONTROL MECHANISM FOR AEROPLANE SUPERCHARGERS. SANFORD A. MOSS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,931. 6 Claims. (Cl. 123—119.)



1. In combination, an internal combustion engine, a supercharger for supplying compressed air thereto, manually operated means for controlling said supercharger, means for limiting the degree of supercharging obtainable with said manually operated means, and means for preventing the supercharger pressure from exceeding the atmospheric pressure by more than a predetermined ratio.

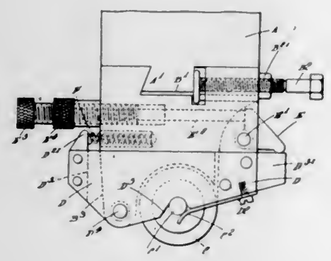
1,508,708. AXLE-ASSEMBLING MACHINE. JESSE E. MCBRIDE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 19, 1919. Serial No. 345,930. 10 Claims. (Cl. 196—179.)



4. A work clamp comprising a stationary jaw, a movable clamping jaw, a rotatable cam for moving said clamping jaw toward and away from said stationary jaw, and means for rotating said cam.

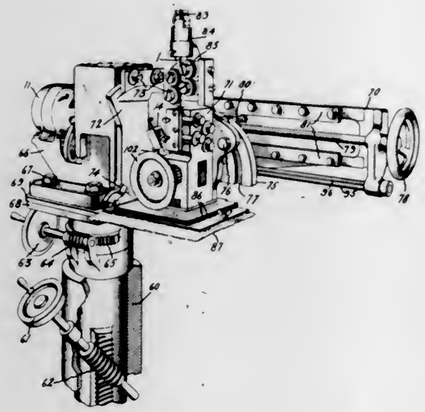
8. A work clamp comprising a stationary jaw forming a conveyor link, a movable clampign jaw, and a rotatable member carried by one of said jaws for moving said clamping jaw positively toward and away from said stationary jaw.

1,508,709. TOOL FOR SCORING CARDBOARD AND THE LIKE. JOHN IRVING NASMITH, Eltham, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed Aug. 24, 1921. Serial No. 494,991. 7 Claims. (Cl. 164—70.)



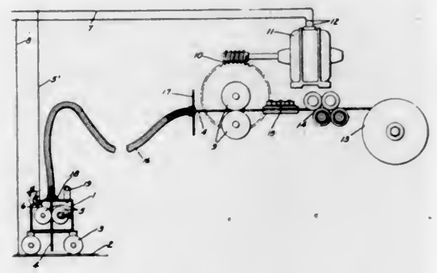
1. A scoring tool of the kind in which the tool body is mounted on an angularly movable supporting rail, comprising an adjustable cutter frame mounted on said body and carrying the cutter, means for adjusting the frame according to the required depth of cut and a transmitting member interposed between the said cutter frame and the said adjusting means, which member forms a positive stop to take the thrust due to the cutting pressure in a direction normal to the supporting rail.

1,508,710. ELECTRIC ARC-WELDING SYSTEM AND APPARATUS. PAUL O. NOBLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 26, 1920. Serial No. 376,448. 12 Claims. (Cl. 219—8.)



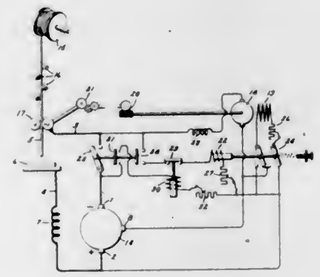
1. An automatic arc welding machine of the type employing a metallic electrode comprising a support, a welding head mounted on said support including means adapted to guide a welding electrode through said head to the work to be welded, and means whereby said welding head may be angularly adjusted with respect to said support in two planes of adjustment at right angles to each other whereby the electrode may be delivered from the welding head at any desired angle.

1,508,711. APPARATUS FOR ARC WELDING. PAUL O. NOBLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 27, 1921. Serial No. 487,875. 17 Claims. (Cl. 219—8.)



1. An apparatus for electric arc welding comprising a hand tool, electrode feeding mechanism and a flexible tube for guiding an electrode from the feeding mechanism to the hand tool.

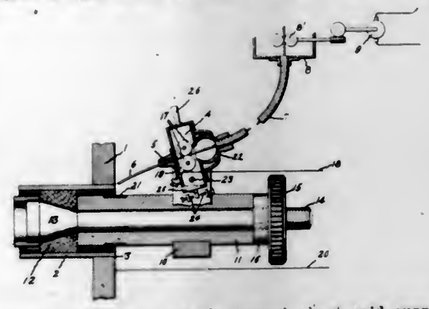
1,508,712. ARC WELDING. PAUL O. NOBLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1922. Serial No. 537,077. 18 Claims. (Cl. 219—8.)



1. An arc welding system of the class described wherein a welding circuit is supplied from a source arranged to produce arc voltage at the terminals of the source, and wherein said arc voltage is the resultant of a plurality of electromotive forces one of which varies sensitively upon changes in the arc length during welding, and wherein electrode feeding mechanism is arranged to be operated to feed the electrode toward the work, and wherein a motor is arranged to operate said feeding mechanism, characterized by the fact that said motor is provided with a regulating field winding connected to be energized in accordance with said sensitively varying electromotive force whereby the motor will be regulated to operate said electrode feeding mechanism at the proper rate to maintain the arc length substantially constant.

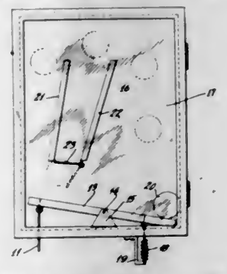
1,508,713. ARC-WELDING APPARATUS. PAUL O. NOBLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 24, 1923. Serial No. 627,487. 11 Claims. (Cl. 219—8.)

1. An arc welding apparatus comprising in combination an electrode delivery device, means adapted to feed an electrode continuously to said device, a flexible guide tube arranged to guide the electrode from said feeding means to said device, a support for said device, means



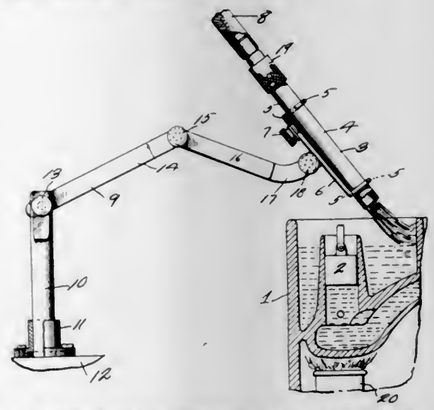
whereby said device may be turned about said support and means whereby said device may be thus turned without twisting said tube.

1,508,714. AMUSEMENT APPARATUS. ERNEST O. NORBERG, Patchogue, N. Y. Filed Mar. 29, 1923. Serial No. 628,676. 11 Claims. (Cl. 46—58.)



1. In an apparatus of the class described, means for projecting a ball, means for catching said ball, an escapement connected to said ball catching means and a figure and mounting connected to said escapement at all times and means for driving said mounting, the parts being so arranged and disposed that when the ball catching apparatus functions the figure may be shifted.

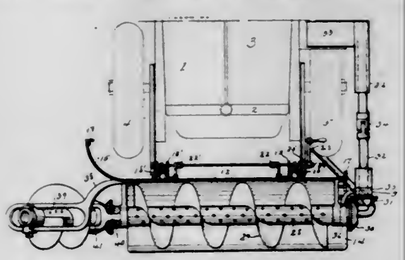
1,508,715. TYPE-FORMING MACHINE. FRED G. NORMAN, Davenport, Iowa. Filed Feb. 7, 1923. Serial No. 617,568. 2 Claims. (Cl. 22—71.)



1. A vertically and horizontally adjustable bracket for supporting a burner, said bracket comprising a vertically disposed pivoted shaft, an arm pivotally and adjustably

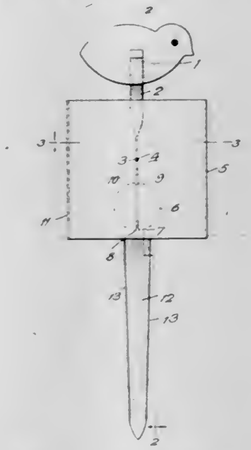
connected to the upper end of the shaft, said arm being formed in two sections pivotally connected together by means of a set screw, a yoke pivotally connected to the outer end of the outer section of the arm by means of a set screw, said yoke having adjustably mounted therein the burner.

1,508,716. AUTOMOBILE SNOWPLOW. GUSTAV OCHS, Orange, N. J., assignor to Ochs Snow Plow Co., Orange, N. J., a Corporation of New Jersey. Filed Oct. 29, 1921. Serial No. 511,464. 12 Claims. (Cl. 37—42.)



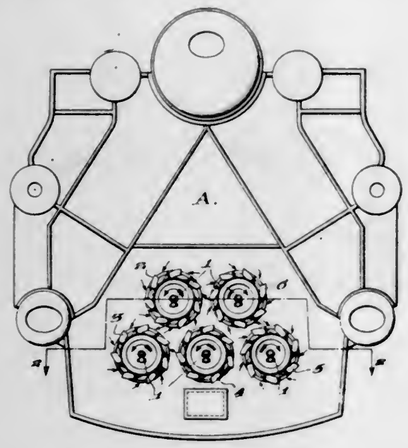
1. In an auto-snow plow, the combination of an upright plow body, means for supporting said body upon the forward end of an automobile chassis, bearing brackets mounted upon the lower part of said body, a horizontal spiral conveyor mounted in said brackets, power driven means for rotating said conveyor and a supplemental conveyor inclined laterally at an angle from and driven by said horizontal conveyor to direct snow laterally out of a roadway.

1,508,717. MOBILE FIGURE. GEORGIA W. PAGE, New York, N. Y. Filed Aug. 2, 1923. Serial No. 655,188. 3 Claims. (Cl. 46—40.)



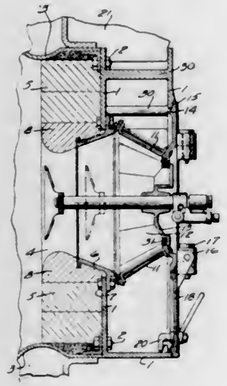
1. A mobile figure representing an animate object mounted rigidly upon a support consisting of a metallic strip, a casing laterally enclosing said strip and open at the top and bottom, pivots on said strip consisting of extensions thereof seating in openings in said casing, the weight of the strip below the pivots being sufficiently greater than the weight of the figure and its support above the pivots to tend to maintain the figure upright while permitting same to oscillate freely, and means for maintaining the casing in vertical position consisting of a downward extension thereof adapted to be thrust in the ground.

1,508,718. APPARATUS FOR BURNING LIQUID FUEL. ERNEST H. PEABODY, Pelham Manor, N. Y. Filed Mar. 9, 1922. Serial No. 542,263. 3 Claims. (Cl. 158—1.5.)



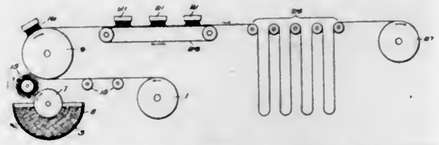
1. In a combustion chamber the combination of a plurality of burners for producing a plurality of flames or columns of burning gases, and an air director for each burner to supply air currents which will impinge upon the flames and thereby give the latter a rotary motion about their axes, some of said air directors arranged to rotate the air currents in one direction and others in an opposite direction.

1,508,719. FURNACE FRONT. ERNEST H. PEABODY, Pelham Manor, N. Y. Filed Aug. 28, 1923. Serial No. 659,708. 7 Claims. (Cl. 110—172.)



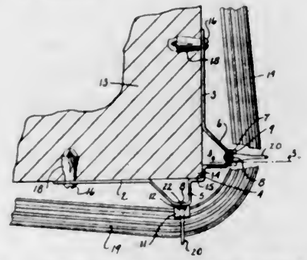
4. A furnace front comprising a ring like member adapted to fit into an opening in a furnace, and annular air register supported by the front by hinge joints enabling it to swing to either side, means carried by said register and engaging the ring like member to automatically center the air register when it is swung to operative position, an annular chamber surrounding said register, and a natural draft door and a forced draft duct both communicating with said chamber.

1,508,720. FINISHED SHEET MATERIAL AND METHOD OF FINISHING THE SAME. LLOYD M. PERRY, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed July 1, 1922. Serial No. 572,279. 4 Claims. (Cl. 91—68.)



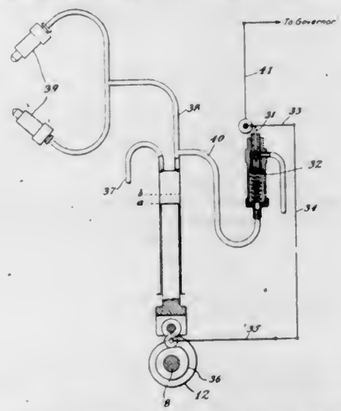
4. A surface coated, glazed paper having a surface coating only of a closely adherent and a permanent non-transferable glaze, the latter containing an insoluble salt of a fatty acid.

1,508,721. BRIDLE-WIRE SUPPORT OR BRACKET. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed Mar. 30, 1923. Serial No. 628,891. 10 Claims. (Cl. 248—36.)



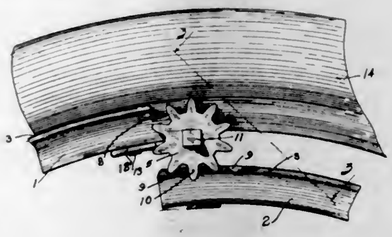
1. A new article of manufacture comprising a bridle wire support or bracket bent back upon itself to form base members at an angle to each other, and means carried by each base member to support runs of bridle wires at a distance from the base members to prevent rubbing or chafing of the bridle wires.

1,508,722. ENGINE-FUEL REGULATION. WILLIAM T. PRICE, Easton, Pa.; Helen C. Price, administratrix of said William T. Price, deceased, assignor to Price Engine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1919, Serial No. 348,703. Renewed May 15, 1923. 6 Claims. (Cl. 123—140.)



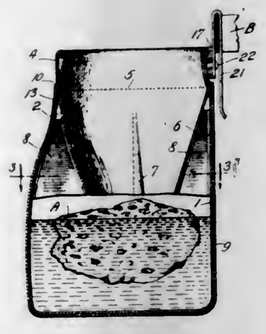
1. A fuel regulating system for airless injection type engines, comprising a fuel pump with an overflow valve variably opened during the latter part of the discharge stroke of the pump plunger, and means for controlling the cross area of said path so that for any position of the plunger beyond the point representing the end of the injection period, said cross area in square inches is less than the displacement volume in cubic inches of the plunger measured from said point and divided by 1 and greater than said volume divided by 150.

1,508,723. DEMOUNTABLE RIM WITH CONTRACTING AND EXPANDING MEANS. FRED D. RINGO, Limon, Colo., assignor, by direct and mesne assignments, of one-third to Milton N. Thompson, Limon, Colo., and one-third to Francis Blakeman, jr., Eads, Colo. Filed Feb. 19, 1923. Serial No. 619,897. 1 Claim. (Cl. 301—33.)



A demountable rim comprising a substantially circular split ring whose ends normally abut each other, said rim having a substantially channel-shaped cross section with outwardly curved flanges; a shaft journaled in the bottom of the rim near one end; a cog-wheel on each end of the shaft, the flanges being cut away to provide space for the wheels, the other end of the rim having its flanges provided with perforations to cooperate with the cogs on the wheels and means to lock the wheels against rotation.

1,508,724. FLEXIBLE WATER BAG OR BUCKET. WALTER E. ROSE, Boulder, Colo. Filed July 19, 1922. Serial No. 575,951. 8 Claims. (Cl. 150—1.)

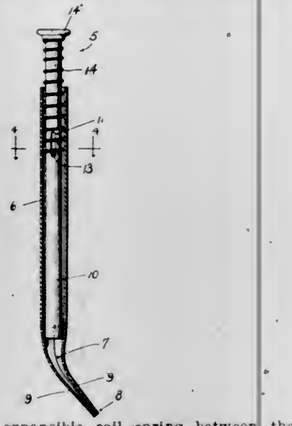


1. A water bag of flexible material provided with a funnel-shaped splash apron, extending part-way into the bag, and interposed members connected respectively to the bag and the apron, for holding the latter out of contact with the bag.

1,508,725. TWEEZERS. HARRY SCHLOESSER, Fairland, Ind. Filed July 9, 1923. Serial No. 650,443. 1 Claim. (Cl. 81—3.)

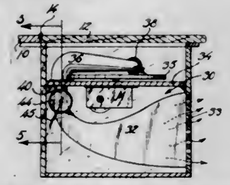
A tool of the character set forth, the combination of a tubular handle having a slit deflected outer end, a

plunger extending within the handle and terminating adjacent the slit end thereof, a knob on the outer end



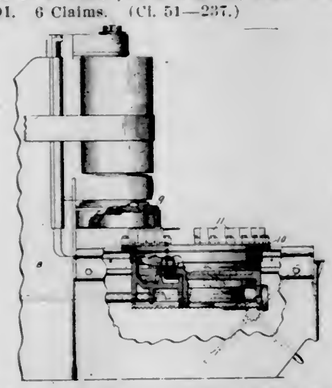
of the plunger, an expansible coil spring between the handle and plunger, and means retaining the plunger in the handle.

1,508,726. RADIOPHONOGRAPH. ISRAEL SHAPIRO, Denver, Colo. Filed May 29, 1923. Serial No. 642,325. 1 Claim. (Cl. 179—100.)



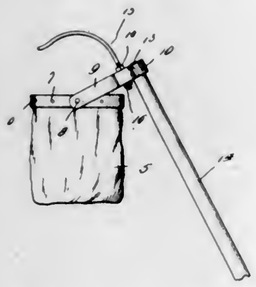
In a sound amplifying device, in combination, a tone arm, a horn having a large end and a small end, a connection between said tone arm and the small end of the horn, a mechanical reproducer connected to the tone arm, and an electrical receiver, adapted to be operated by an electric current from a radio amplifier, connected with said connection whereby sound is transmitted from said horn, both from the tone arm and from the electric receiver.

1,508,727. KNIFE GRINDER. THOMAS CORNELIUS SHEEHAN, Upper Montclair, N. J., assignor to Durham Duplex Razor Company, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1921. Serial No. 497,191. 6 Claims. (Cl. 51—237.)



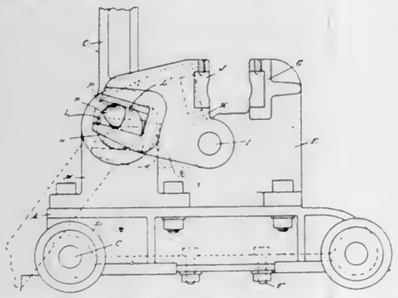
1. In a grinder, the combination with a support, of means coacting with said support and adapted to twist a longitudinally and transversely tapered blade on said support to cause one surface thereof to lie in a plane which intersects the median plane of the blade equidistant from its edge substantially throughout its length, and a coacting grinding device adapted to act on the surface so disposed.

1,508,728. FRUIT GATHERER. RENKO H. SIEFKEN, Marshalltown, Iowa. Filed Feb. 4, 1924. Serial No. 690,563. 1 Claim. (Cl. 56—339.)



In a fruit gatherer, a bail, a bracket integral with the intermediate portion of said bail, said bracket being provided with means to permit a handle to be connected thereto, and also provided with a pair of openings, a pair of longitudinally curved fruit engaging and pulling fingers having threaded portions on one end thereof, the free ends of said fingers extending outwardly beyond the pivoted ends of said bail, the threaded ends of said fingers being passed through said openings, and retaining nuts fitted on said threaded portions of said fingers and bearing against opposite faces of said brackets for maintaining the fingers in a set position.

1,508,729. WORK-HOLDING CLAMP. WILLIAM E. SIMPSON, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 5, 1919. Serial No. 342,749. 5 Claims. (Cl. 81—25.)

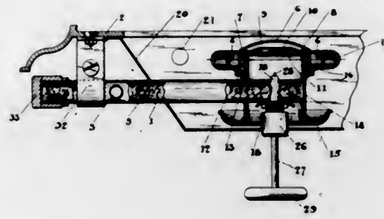


1. A work clamp comprising a stationary jaw member, a movable jaw member pivotally connected thereto, a rock shaft, and a cam on said rock shaft eccentric to the axis thereof and engaging said movable jaw member, said cam having a portion for imparting a quick movement of relatively great amplitude to said jaw member, and a succeeding portion for imparting a slow powerful movement of slight amplitude in the same direction.

1,508,730. LIQUID-FUEL BURNER. ARTHUR TAYLOR SPROWL, Sacramento, Calif. Filed Dec. 21, 1922. Serial No. 608,186. 9 Claims. (Cl. 158—68.)

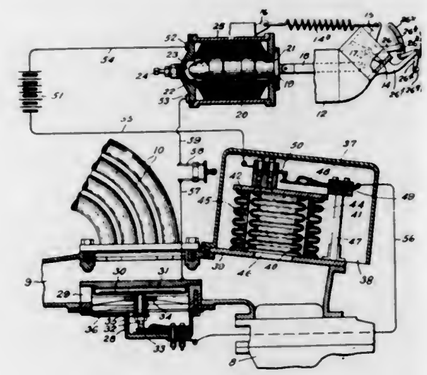
9. In a liquid fuel burner, a generator tube, a burner at its inner end comprising an outer member open at top and bottom having at its upper end an inverted cup provided with perforations in its sides and having about

the inverted cup at a distance therefrom a heat retaining ring above the generator tube in position to be heated by flame from the perforations in the inverted cup and to radiate heat against the generator tube, the generator tube being provided within the outer member of the burner with a dischage opening adapted to discharge



vaporized fuel upward into the inverted cup, means for regulating the discharge comprising a valve and a valve stem extending downward through the bottom of the pan and provided below the bottom of the pan with means for operating it, the outer member of the burner being also provided below the generator tube with a trough adapted to contain liquid fuel for preheating.

1,508,731. CONTROL MECHANISM FOR AEROPLANE SUPERCHARGERS. REGINALD G. STANDERWICK, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,932. 4 Claims. (Cl. 123—119.)



1. In combination, an internal combustion engine, a supercharger for supplying compressed air thereto, regulating means for the supercharge, electromagnetic operating means for said regulating means, an electric circuit therefor, and means responsive to the supercharger air pressure and to the ratio between the supercharger air pressure and the altitude atmospheric pressure for controlling said electric circuit.

1,508,732. STORAGE BATTERY. FRED CURTIS THORNLEY and FRANK FORD TAPPING, Knightsbridge, London, and OTTO REYNARD, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Filed July 21, 1923. Serial No. 653,052. 6 Claims. (Cl. 204—29.)

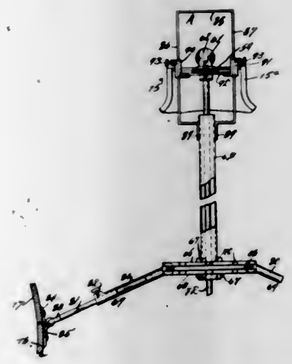
4. A plate for an electric storage battery in which the lead compound comprises ammonium alginate mixed with lead oxide.

1,508,733. NONCOMBUSTIBLE VISITING CARD. FRANK W. TRABOLD, New York, N. Y. Filed Apr. 18, 1922. Serial No. 554,859. 2 Claims. (Cl. 281—43.)



1. As a new article of manufacture, a unitary rectangular metallic appropriately imprinted visiting card having an ink retaining granular surface, and having weakened lines adjacent to the edges of the card defining the margins thereof, and being further provided with suitable weakened lines at the junctions of the margins thereof; said weakened lines permitting manually bending each of the margins of the card upwardly in a substantially permanently disposed position to constitute a tray.

1,508,734. GARMENT FORM. CHARLES A. UFFORD, Dorchester, Mass. Filed Apr. 1, 1922. Serial No. 548,720. 7 Claims. (Cl. 223—18.)

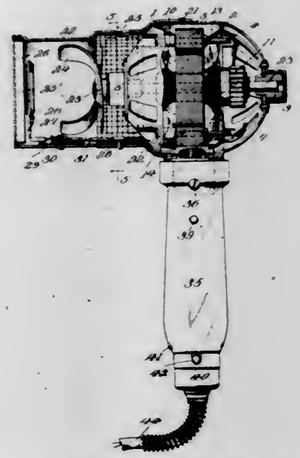


1. In a garment form, a post member, adjustable sections carried thereby, a sleeve slidable longitudinally of the post member, adjustable arms connecting said sleeve and certain of said adjustable sections, a handle connected to said sleeve and protruding from the upper part of the form and adapted to be drawn upwardly to cause an inward movement of said arms, oppositely disposed block members through which the handle slides connected with said post member and located exteriorly of the neck portion of the form to lock the handle in adjusted positions.

1,508,735. ELECTRIC HAIR DRIER. THEOBALD C. WEISS, Racine, Wis., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Dec. 6, 1921. Serial No. 520,386. 9 Claims. (Cl. 34—26.)

8. In a hair drier or the like, the combination of a casing formed with an air nozzle, a motor shaft arranged in said casing, a propeller connected to the motor

shaft and disposed in said nozzle so as to discharge air therethrough, electrical leads in said nozzle, a heating

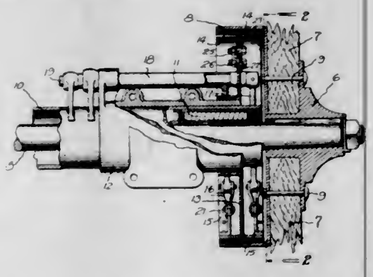


element arranged in said nozzle between said propeller and the discharge end of said nozzle, said heater having a quick detachable connection with said electrical leads.

1,506,736. PROCESS FOR THE PRODUCTION OF AMMONIUM COMPOUNDS. JOHN HENRY WEST, Bayswater, London, and ARTHUR JAQUES, Waterloo, near Liverpool, England. Filed Feb. 1, 1924. Serial No. 690,076. 18 Claims. (Cl. 23—13.)

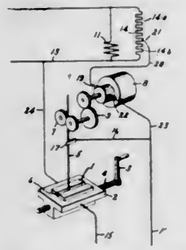
1. A process for the production of ammonium salts consisting mainly of ammonium sulphate and some ammonium sulphite which consists in admixing ammonia, water vapour, sulphur dioxide and air in such relative proportions that (*a*) the concentration of the sulphur dioxide does not exceed 4.2 per cent of the whole volume of the gases (*b*) the ammonia is present in such quantity that the reaction mixture is non-acid, and (*c*) the amount of water vapor employed is sufficient to render the ammonium sulphite which is initially produced as a result of the reaction sensitive to rapid oxidation but is insufficient to make it sensibly wet after cooling the reaction products.

1,508,737. ADJUSTABLE BRAKE-BAND SUPPORT. JOHN W. WHITE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 1, 1920. Serial No. 427,599. 6 Claims. (Cl. 188—79.)



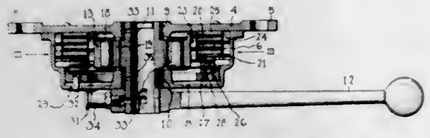
1. In brake mechanism of the class described, a brake drum; a non-rotatable supporting disc within and of approximately the same diameter as the interior of said drum; two brake bands located one upon each side of said supporting disc; means for moving said brake bands into frictional engagement with the interior of said brake drum; a plurality of stops carried by said supporting disc and arranged some upon one and others upon the other side thereof, and against which said brake bands rest when in their off positions; and a plurality of adjusting devices all operable from one and the same side of said supporting disc for adjusting said stops to thereby vary the positions of the peripheries of said brake bands relative to the internal surface of said brake drum.

1,508,738. METHOD OF AND APPARATUS FOR AUTOMATIC ARC WELDING. MAX A. WHITING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 15, 1919. Serial No. 277,309. 37 Claims. (Cl. 219—8.)



1. The method of operating a welding arc between a fusible electrode and a cooperating electrode which consists in causing the welding electrodes to approach and recede from each other in accordance with the difference between the arc potential, and a substantially fixed potential which is less than a desired arc potential.

1,508,739. RECOIL CHECK FOR USE WITH AUTOMOBILES. BENJAMIN H. ANIBAL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 25, 1919. Serial No. 306,703. 4 Claims. (Cl. 188—130.)



1. In a shock absorbing device of the class described a hollow casing having oppositely disposed bearings in its end walls; an oscillating hub the ends of which are supported in said bearings; a rotatable clutch ring located within said casing and supported by said hub; a plurality of clutch members operating in recesses provided in said hub and adapted to engage the inner surface of said clutch ring to thereby drive the same; a plurality of friction discs located within said casing and some of which are interlocked with said clutch ring so as to rotate therewith, while others are interlocked with said casing and remain stationary; a rotatable adjusting ring located within said casing and having a threaded periphery in engagement with a threaded portion of the interior of said casing; and a spring interposed between said adjusting ring and said discs.

1,508,740. CATAMENIAL SACK OR NAPKIN HOLDER. ANNA BRAND, Chicago, Ill., assignor, by mesne assignments, to Health-Tex Products Corporation, a Corporation of Illinois. Filed June 22, 1923. Serial No. 647,130. 1 Claim. (Cl. 128—290.)

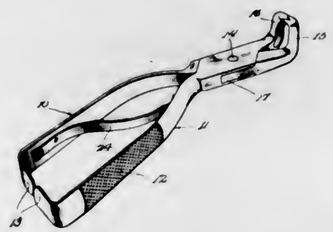
A catamenial sack comprising a strip of rubber sheeting having at each end a tab of non-elastic fabric, the opposed side portions of said strip being turned inwardly

to provide a pocket for an absorbent pad, and having a tubular seam along the edges of said inwardly turned opposed side portions, and a serpentine or springlike cord



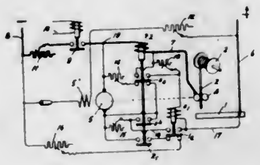
of nonelastic material located in said seam and fastened at both ends thereof for the purpose of controlling the elasticity of said sack and restraining its stretching capacity from reaching a breaking point.

1,508,741. PIG-TOOTH NIPPERS. RUDOLPH W. BRUENE, Cushing, Iowa. Filed June 29, 1923. Serial No. 648,511. 2 Claims. (Cl. 32—35.)



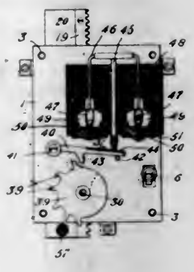
1. A tooth nipper comprising a pair of hinged shanks having stops for limiting the closing movement of the shanks, jaws at the forward ends of the shanks, said jaws being bent at substantially right angles to the hinge portion of the nipper, and a pair of diverging cutting edges at the extreme end of each jaw, said cutting edges and jaws forming integral parts of said shanks and the jaws on one shank overlapping those on the other shank when said stops abut.

1,508,742. ELECTRIC-ARC WELDING. EUGENE B. CARICHOFF, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 14, 1923. Serial No. 680,728. 14 Claims. (Cl. 219—8.)



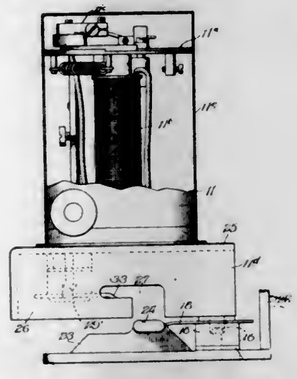
1. Apparatus for arc welding of the type wherein the welding arc is maintained between the work constituting one electrode and a welding pencil constituting the other electrode, and wherein a reversible electric motor is provided for feeding the pencil toward and away from the work to start the arc and for feeding the pencil toward the work to maintain the arc after the arc is established, and wherein contactors are provided for controlling the circuit of the motor to govern its direction of operation, characterized by the fact that one of said contactors is controlled by a coil responsive to current flowing between the electrodes and another of said contactors is controlled by a coil responsive to the voltage across the electrodes.

1,508,743. SIGNAL BOX. RALPH W. CARNAHAN, Canton, Ohio, assignor of one-fourth to Orpha G. Sigler, Cleveland, Ohio. Filed Apr. 15, 1919. Serial No. 290,175. 3 Claims. (Cl. 177—378.)



2. In a signal transmitter, a make and break device comprising a mercury cup, a fixed contact point within said cup, a movable contact point within said cup, an open tip upon said movable contact arranged to engage the fixed contact and to allow the mercury in the cup to flow through said open tip.

1,508,744. SUPPORTING BASE FOR RELAYS OR OTHER ELECTRICAL UNITS. JOHN O. CARR and HOWARD L. KRUM, Chicago, Ill., assignors to Morkrum Company, Chicago, Ill., a Corporation. Filed June 8, 1921. Serial No. 475,939. 11 Claims. (Cl. 175—298.)

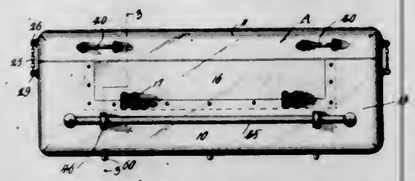


1. In combination, an electrical apparatus, a supporting base therefor, a table bracket, and cooperating sets of connector clips mounted respectively on said base and bracket and adapted to be engaged by the relative horizontal movement of said parts, said base and bracket having cooperating lugs and grooves for preventing relative vertical movement of said parts when said connector clips are engaged.

1,508,745. BURIAL CASKET. JAMES CASSEL, Peru, Ind. Filed Nov. 10, 1923. Serial No. 674,042. 5 Claims. (Cl. 27—8.)

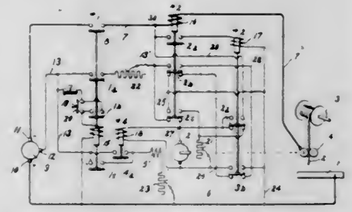
1. A burial casket formed of vitreous material comprising an integral molded body portion, an integral molded cover portion, a drop side for the body portion, the

upper edge of the drop side being flushed with the upper edges of the walls of the body, the upper edges of the walls of the body and the drop side being rabbeted, the lower



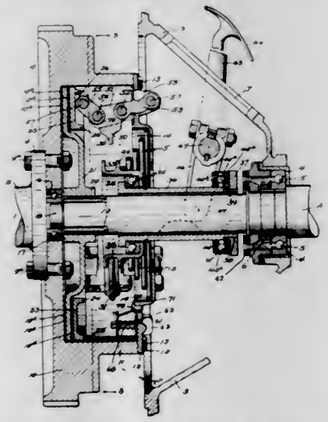
edge of the cover being rabbeted to engage the rabbeted edges of the side walls and drop side, and means for connecting the cover with the body.

1,508,746. AUTOMATIC ARC-WELDING CONTROL SYSTEM. WILLIAM B. CLARKSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1923. Serial No. 682,341. 8 Claims. (Cl. 219—8.)



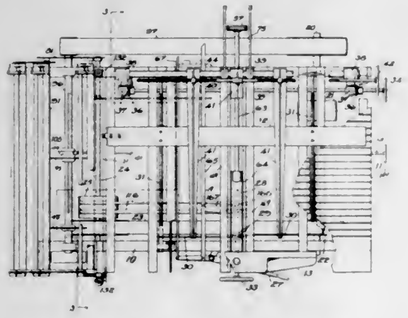
1. An arc welding system of the type wherein the welding arc is maintained between the work constituting one electrode and a welding pencil constituting the other electrode, and wherein an electric motor is provided for feeding the pencil, and wherein a dynamic braking circuit is provided for stopping the motor, characterized by the fact that circuit controlling means connected to be operated in accordance with the counter-electromotive force of the motor is provided for controlling the circuit of the motor field winding for the purpose described.

1,508,747. FRICTION CLUTCH. CLARENCE H. DOOLEY, Rock Island, Ill. Filed May 1, 1922. Serial No. 557,667. 6 Claims. (Cl. 192—111.)



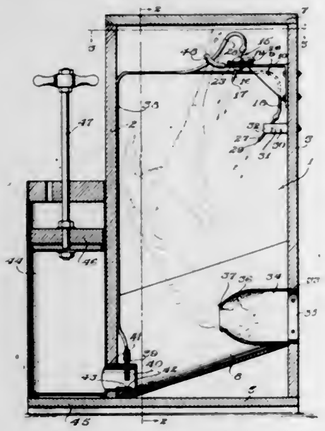
1. In combination, a driving member, a driven member, a plate rotatable with the latter, a friction plate movable into and out of engagement with said plate, a radially-adjustable link pivotally connected at one end with said driving member, movable means pivotally connected with the other end of said link and adapted when moved in one direction to force said friction plate against said other plate, and means engaging with an intermediate portion of said link for holding it against movement in its different radially-adjusted positions.

1,508,748. MACHINE FOR MAKING BOX SHOOKS. HENRY A. GALE and ORNAN S. COOK, Fitchburg, Mass.; said Cook assignor to said Gale. Filed Oct. 23, 1922. Serial No. 596,186. 23 Claims. (Cl. 144—7.)



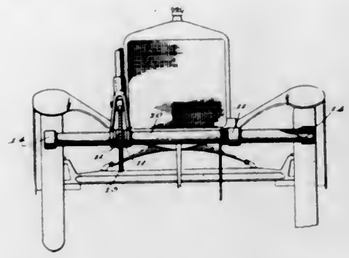
1. In a box shook machine, the combination of a table on which the matched boards for forming the box shooks are adapted to be placed, of a clamp shaft extending along the table near one edge thereof, and a plurality of clamp arms fixed on said shaft and adapted to be swung, about the axis of the shaft, down toward the table into horizontal position across the table to hold down the boards and prevent their buckling, the arms not being connected with the table at their free ends at the front edge of the table.

1,508,749. APPARATUS FOR APPLYING INSECTICIDES. HENRY F. KUEHN, Seattle, Wash. Filed Apr. 18, 1922. Serial No. 554,712. 8 Claims. (Cl. 119—159.)



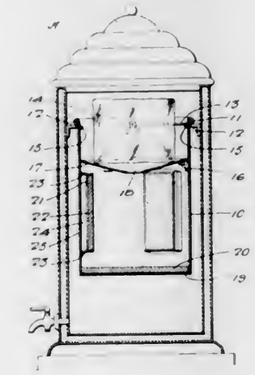
1. In apparatus of the class described, means for suspending a fowl in head-down position, and insecticide blast means supported adjacent the suspension means and arranged to direct the blast in a general downward direction against the body of the fowl.

1,508,750. COMBINED BUMPER AND WINCH FOR MOTOR CARS. WILLIAM CAMPBELL NABORS, Mansfield, La. Filed Dec. 10, 1923. Serial No. 679,806. 1 Claim. (Cl. 254—166.)



A bumper for automobiles and motor cars consisting of a bumper bar or beam, supports in which the said bar or beam is mounted to rotate, and a lever journaled on the said bar or beam and having ratchet connections therewith whereby the beam may be rotated and utilized as a winch, said lever extending slightly beyond the periphery of the ratchet wheel and having a handle receiving socket, and said beam or bar being hollow and having removable end closures, and a handle for the lever adapted to be housed in the beam or bar when not in use.

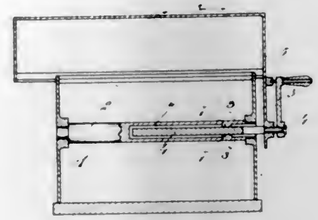
1,508,751. FILTER. WILSON NOLES, Indianapolis, Ind. Filed Nov. 17, 1922. Serial No. 601,525. 3 Claims. (Cl. 210—105.)



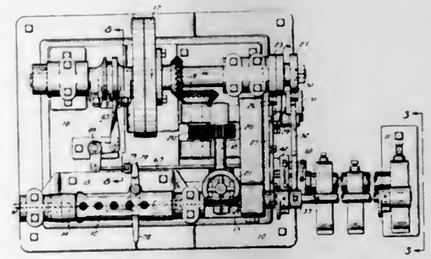
1. A filtering device comprising an outer receptacle provided with a drain, an inner receptacle suspended within the outer receptacle in spaced relation to the walls thereof, rectangular frames secured upon the inner periphery of the inner member, flat slabs of porous material held within said frames, said frames fitting snugly against the inner wall of the inner receptacle whereby they together with the slabs will define a plurality of compartments, the inner receptacle having its wall provided with openings communicating with said compartments.

1,508,752. MEANS FOR ATTACHING CRANKS TO CALCULATING MACHINES. VALENTIN JAKOB ODHNER, Stockholm, Sweden. Filed Mar. 29, 1922. Serial No. 547,941. 4 Claims. (Cl. 235—73.)

1. A calculating machine of the character described including a framework, a carriage slidably mounted on the framework and adapted to support a totalizing-counter, a shaft journalled in the framework and adapted to support the calculating wheels, a crank, means for mounting the crank on the carriage and means for operably connecting the crank mounting means with the calculating wheel supporting shaft so that the said shaft may be turned by means of the crank in any position of the carriage.



1,508,753. MACHINE FOR CUTTING WIRE INTO LENGTHS. FRANK H. SLEEPER and JAMES A. HORTON, Worcester, Mass., assignors to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1923. Serial No. 616,804. 13 Claims. (Cl. 140—140.)

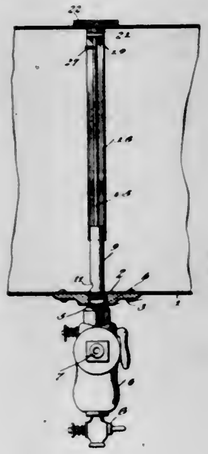


1. In a wire feeding and cutting-off machine, the combination with a guide for the wire, of a blade for cutting the wire off at the end of the guide, a slide stop for limiting the length of the wire, a lever connected with said stop and being operated by it, a driving fly wheel, a shaft on which said driving wheel is mounted to rotate freely, a clutch keyed to said shaft, and means located adjacent to the blade and connected with said lever for operating the clutch to control its connection with the wheel.

1,508,754. VALVE. PAUL D. SPRENGER and CHARLES W. MCPHERRON, Seattle, Wash. Filed Feb. 7, 1924. Serial No. 691,228. 2 Claims. (Cl. 158—46.5.)

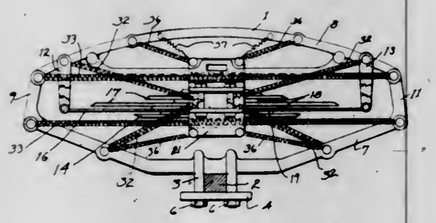
1. The combination with a liquid fuel tank having an opening through the upper part thereof and also having an opening in the lower part thereof in vertical alignment with said first opening, of a tubular valve casing supported at its lower end in said second-named opening and upstanding within the tank for part of the height of the latter, said tubular valve casing having a lateral port adjacent to the lower end thereof, a rotary valve in said valve casing for controlling said port, a valve stem for operating said valve, said valve stem extending vertically within the tank through the opening in the upper part thereof, a valve stem guiding and supporting member supported upon said valve casing and extending vertically within said tank, a packing washer surrounding said valve stem and compressed between said valve

stem guiding and retaining member and the upper wall of said tank, and a hand-wheel secured to the extending upper end portion of said stem, said valve casing, valve



stem, packing washer and stem guiding and supporting member being insertable in the tank through the opening in the lower part of the tank.

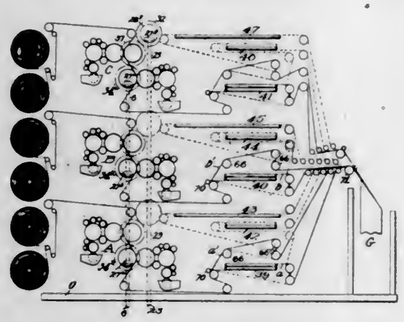
1,508,755. VEHICLE SPRING. WILLIAM ELY STANFORD and ELMA LETTIE STANFORD, Calexico, Calif. Filed May 18, 1922. Serial No. 561,889. 6 Claims. (Cl. 269—28.)



1. Spring mounting means for a vehicle comprising a rigid frame supported on a vehicle axle in a vertical plane, a main spring pivotally supported inside of the frame having a block associated therewith with means thereon for supporting the vehicle body, and a plurality of auxiliary springs between the frame and the block, said springs being stretched to different degrees of tension so as to be called into play successively.

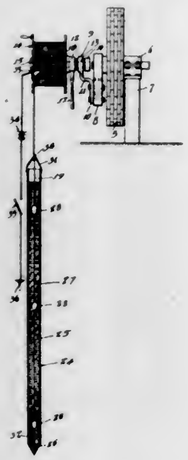
1,508,756. WEB-PRINTING PRESS AND DRIVE THEREFOR. HENRY A. WISE WOOD, New York, and JOHN A. ISBELL, Middletown, N. Y., assignors to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 24, 1916, Serial No. 73,834. Renewed Feb. 27, 1924. 12 Claims. (Cl. 270—5.)

1. In a printing press, the combination of a plurality of series of decks, a plurality of motors, said series being arranged adjacent and parallel to each other, and the couples being capable of being connected to run in three



quads, and means whereby each motor can be connected independently of the others with any of said quads or with a plurality of them.

1,508,757. DEVICE FOR TORPEDOING WELLS. FORD I. ALEXANDER, Los Angeles, Calif., assignor to The Ford Alexander Corporation, Los Angeles, Calif., a Corporation of California. Filed June 28, 1923. Serial No. 648,284. 4 Claims. (Cl. 102—4.)

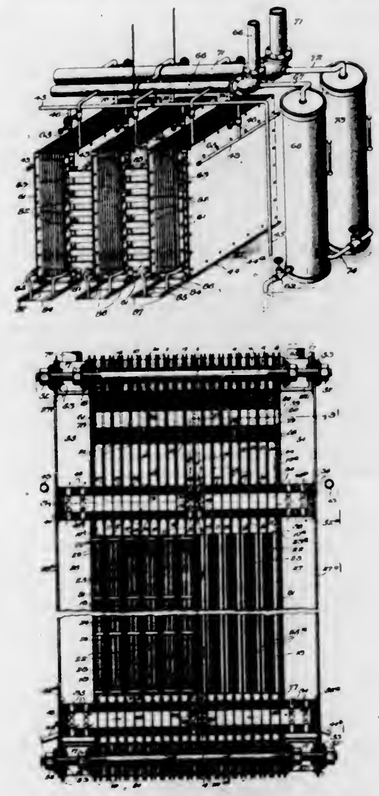


2. Mechanism for torpedoing oil wells which includes a derrick, a band wheel, an engine for driving the band wheel, a crank carried by the band wheel, an arm secured to the crank and having an opening aligned with the axis of the band wheel, a reel supported on a shaft extending into the opening and aligning with axis of the band wheel, said reel being rotatable on the shaft, a clutch for locking the reel to the shaft, and a line wound on the reel extending over the derrick.

1,508,758. ELECTROLYTIC APPARATUS. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor, by mesne assignments, to John P. Scott, Toronto, Canada. Filed Feb. 3, 1920, Serial No. 355,991. Renewed May 28, 1923. Serial No. 569,014. 34 Claims. (Cl. 204—5.)

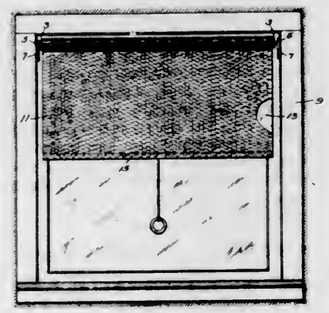
1. Electrolytic apparatus comprising, in combination, a plurality of cells, each having an anode chamber and

cathode chamber, anolyte container means, catholyte container means, and conduit means whereby each of said anode chambers is individually connected to said anolyte



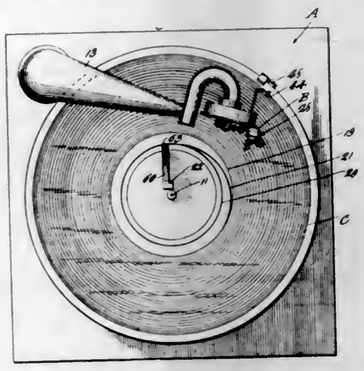
container means, and each of said cathode chambers is individually connected to said catholyte container means, for circulation of anolyte and catholyte, respectively.

1,508,759. WINDOW CURTAIN. EDWARD H. ANGIER, Framingham, Mass. Filed Jan. 31, 1922. Serial No. 532,971. 5 Claims. (Cl. 156—10.)



4. A window shade embodying in its construction as a flexible light modifying element a duplex sheet of craped paper having an intervening flexible coating layer.

1,508,760. PHONOGRAPH STOP. GLEN L. ARDERY, Woonsocket, S. Dak. Filed Mar. 27, 1924. Serial No. 702,433. 5 Claims. (Cl. 192—120.)



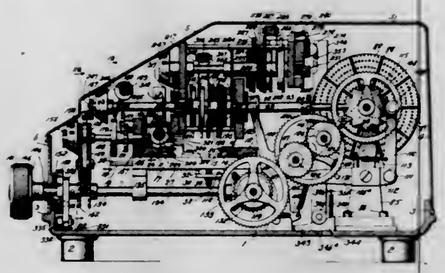
1. The combination with a phonograph including a cabinet, a turntable, a swinging tone arm, and a sound box, and a record on the turntable, of a stop for the phonograph including a brake for engaging the turntable, a trip lever associated with the brake for normally holding the same from out of engagement with the turntable, means carried by the tone arm for lifting the tone arm above the record and toward the brake trip, means carried by the tone arm lifting means for actuating the brake trip, when the tone arm is moved toward the brake trip, means normally holding said tone arm lifting means in an inoperative position, and means disposed adjacent to the inner sound groove of the record for operating said last mentioned means to permit the raising of the tone arm.

1,508,761. VISUAL WEATHER SCREEN. SAMUEL AUGUSTINE DE NORMANVILLE, London, England. Filed Oct. 10, 1922, Serial No. 593,599. Renewed June 3, 1924. 5 Claims. (Cl. 20—40.5.)



1. In combination, a stationary transparent screen, a rotary transparent screen, a frame for supporting said rotary screen, said supporting frame being situated between said screens, clamping means for securing said frame to the upper and lower ends of said stationary screen, and a water seal between it and each of said screens, substantially as and for the purpose hereinbefore set forth.

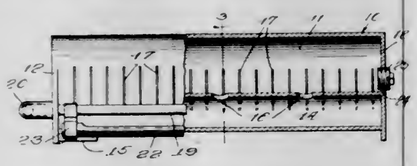
1,508,762. MULTIPLYING MACHINE. GEORGE M. BACON, Salt Lake City, Utah, assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah, a Corporation of Utah. Filed Dec. 8, 1920. Serial No. 429,107. 86 Claims. (Cl. 235—61.)



1. In a multiplying machine, the combination of a plurality of differential wheels, comprising concentric circles of crown teeth arranged in the same plane, said teeth being arranged in ten sets of ten radially extending teeth forming continuous connections between the several circles of teeth, a pinion mounted for sliding movement radially of each of said differential wheels along one of the continuous teeth thereof, a single manually movable means for simultaneously positioning selected groups of one or more of said pinions according to the respective digits of the multiplicand, and means for simultaneously rotating all of said differential wheels in accordance with multiplier digits after the selection of each group of pinions.

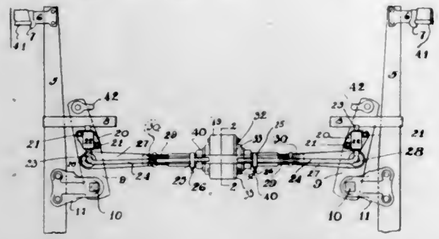
86. In a multiplying machine, the combination of a plurality of differential wheels, a plurality of pinions adapted to be brought into cooperative relation with the respective differential wheels, manual means for selecting and positioning said pinions in groups corresponding to the number of places in the multiplicand or divisor for each denominational position of the multiplier, means for rotating said differential wheels in the different denominational positions, and means for reversing the direction of rotation of said differential wheels for division.

1,508,763. LIQUID-FUEL BURNER. JOHN BEATHAM, Rio Vista, Calif. Filed Aug. 27, 1923. Serial No. 659,620. 1 Claim. (Cl. 158—66.)



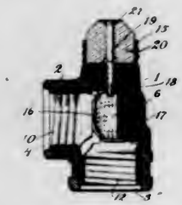
In a hydrocarbon burner, a casing formed to provide substantially cylindrical main and auxiliary compartments, said auxiliary compartment being formed in the lower wall of the main compartment and being disposed partially within and partially without the main compartment, openings formed in the wall of the auxiliary compartment connecting the compartments, an opening in the auxiliary compartment adjacent one end thereof communicating with the air, and the end wall of the main compartment being provided with an opening affording access thereto, a removable closure for said opening, and vertical slots formed in the wall of said main compartment having their lower ends disposed immediately adjacent the wall of the auxiliary compartment and their upper ends spaced thereby to provide in the upper end of the main compartment a gas pocket.

1,508,764. BRAKE ADJUSTER. THOMAS C. BENISH, St. Louis, Mo. Filed Apr. 3, 1922. Serial No. 549,020. 12 Claims. (Cl. 188—202.)



5. In a brake-adjuster, the combination with a brake live-lever, of a central shaft having a connection with said lever which is adjusted when the shaft is rotated, a ratchet and a housing so mounted on the shaft to rotate therewith, pawls attached to the said housing, a connection between the said housing and the brake lever adapted to rotate the housing with pawls in one direction when the braking power is applied and in the opposite direction when it is released, the said ratchet having a plurality of sets of teeth and a plurality of pawls in engagement therewith, the said teeth of each set being so arranged that the said pawls are adapted to engage the same alternately in series and means for regulating the effective movement of the housing and pawls.

1,508,765. PLURAL LAMP SOCKET. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1919. Serial No. 292,197. 14 Claims. (Cl. 173—335.)

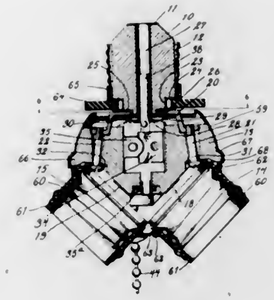


1. A two-way plug comprising a plug portion and a receptacle sub-assembly, said plug portion comprising shell and center contacts, and insulation for positioning and insulating said contacts with respect to each other, said receptacle sub-assembly comprising a pair of threaded shell contacts, a pair of center contact members, a pair of stampings electrically and mechanically connecting said receptacle shell contacts and located on opposite sides of the plane through the axes of said receptacle shell contacts, a stamping member lying substantially in said plane for supplying current to said center receptacle contact members, and means for securing said receptacle sub-assembly to said plug portion and for electrically connecting the plug contacts with the receptacle contacts comprising three substantially parallel screw members threaded into said stamping respectively, and lying in a plane perpendicular to the plane through the axes of the receptacle shell contacts.

1,508,766. ELECTRICAL CONNECTER DEVICE. REUBEN B. BENJAMIN, Chicago, and CHESTER E. WARNER, Berwyn, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 10, 1920. Serial No. 380,378. 6 Claims. (Cl. 173—335.)

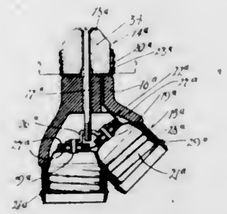
6. A plug receptacle comprising a plug portion and a receptacle portion, said plug portion having a center contact and shell contact swiveled with respect to said

center contact, and said receptacle portion comprising two receptacles, each having a center contact and a shell contact, and means for use in mechanically connecting



said receptacle portion to said plug portion comprising a metal member electrically connected with said plug shell contact and with said receptacle shell contact.

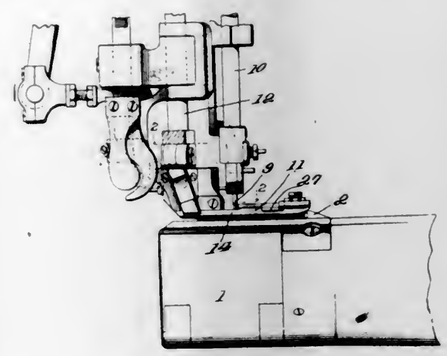
1,508,767. PLUG CLUSTER. REUBEN B. BENJAMIN, Chicago, and CHESTER E. WARNER, Berwyn, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1921. Serial No. 470,563. 9 Claims. (Cl. 173—335.)



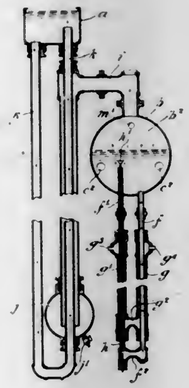
1. A plug cluster comprising a plug portion and two receptacle portions, said plug portion comprising a threaded shell contact, one of said receptacle portions comprising a threaded shell contact, the axes of said shell contacts being parallel but offset with respect to each other less than the radius of the threaded shell contact, the axes of said two receptacle portions meeting at an acute angle.

1,508,768. PRESSER FOOT FOR SEWING MACHINES. JOSEPH BERGER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1921. Serial No. 471,751. 7 Claims. (Cl. 112—236.)

1. The combination with a stitch forming mechanism for forming covering stitches including a plurality of needles, of a feed dog and a presser foot, said presser foot including means for overlapping the edge portions of fabric sections in advance of the stitch forming mechanism, said presser foot having an opening for the needles and a recess extending from said opening to the rear end of said presser foot, and a vertically yieldable presser foot section disposed in rear of said needles in said recess and cooperating with the feed dog to feed said overlapped portions of the fabric sections and for automatically compensating for different thicknesses in said overlapped edge portions.

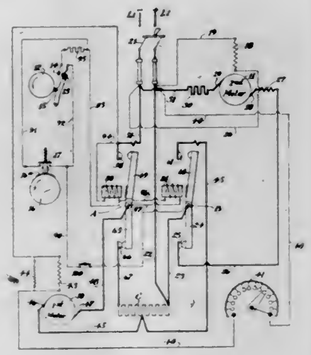


1,508,769. PROCESS OF AND APPARATUS FOR TREATING OILS. ROBERT W. BISSELL, New York, N. Y., assignor to Vegetable Oil Securities Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1920. Serial No. 374,006. 16 Claims. (Cl. 87—12.)



1. The herein described process of treating oils consisting in continuously withdrawing a small quantity of oil from a large volume thereof, flowing the oil thus withdrawn in a small stream through a confined space, subjecting the flowing oil to an elevated temperature, and simultaneously charging it with a refining gas, delivering said flowing oil with said refining gas to and within the volume from which the soil is withdrawn, permitting the refining gas and the constituents of the oil volatilized as a result of the action of the heat and of the refining gas upon the oil, to commingle with the oil in the volume from which it is withdrawn, and thereafter separate therefrom and withdrawing the refining gas and the volatile matter from adjacent the oil.

1,508,770. SYSTEM OF MOTOR CONTROL. HAROLD L. BLOOD, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 8, 1920. Serial No. 422,592. 13 Claims. (Cl. 172—239.)



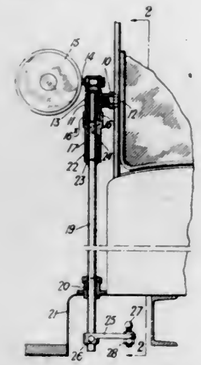
1. A motor control system comprising in combination, two motors, field and armature circuits therefor, two main switches for opening and closing said armature circuits, cam controlled means for operating said switches, movement of said switches in one direction opening the armature circuit of one motor and closing that of the other, and movement of the switches in the opposite direction opening the armature circuit of the second motor and closing that of the first.

1,508,771. BAILER BOTTOM. ALEXANDER BOYNTON, San Antonio, Tex. Filed May 8, 1922. Serial No. 559,362. 10 Claims. (Cl. 166—19.)



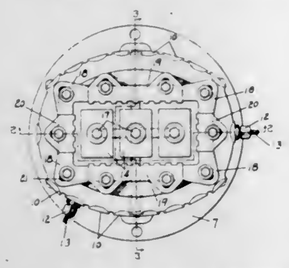
1. A bailer for wells comprising inner and outer sleeves having mud passages adapted for registration, the outer sleeve having its forward portion tapered and provided with an end wall formed with a centrally arranged opening, a lifter shaft extended through the opening in the forward end wall of said outer sleeve, a bushing carried by the inner sleeve and engaged by said lifter shaft, set screws connecting said bushing to said inner sleeve and connecting the lifter shaft to the bushing, said set screws also providing a sliding connection between the inner and outer sleeves, and a spring urging said outer sleeve to its advanced position on said inner sleeve.

1,508,772. SPOTLAMP FOR AUTOMOBILES. THOMAS MILTON BRAGG, of Mungeribar, New South Wales, Australia. Filed Feb. 26, 1924. Serial No. 695,199. 2 Claims. (Cl. 240—61.)



1. The combination of a vehicle lamp, a bracket having a bore, a socket member rotatably mounted in the bore, a lamp horizontally pivoted to one end of the socket member, a spindle projecting into the bore from the other end of the socket member, means connecting the spindle to the steering mechanism of the vehicle, a clutch collar fixed to rotate with the socket member, and a clutch sleeve surrounding and keyed to the spindle, and normally urged into engagement with the clutch collar to form a connection between the lamp and the steering mechanism whereby the lamp is automatically turned as the vehicle is steered, said clutch being adapted to be manually disengaged from the clutch collar when it is desired to adjust the lamp independent of the steering mechanism.

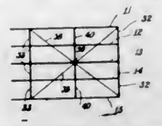
1,508,773. CLAY-FORMING DIE. DAVIS BROWN, Bucyrus, Ohio. Filed July 18, 1923. Serial No. 652,222. 1 Claim. (Cl. 25—17.)



In a clay forming die, a former, a finisher formed of corner and side sections, and means for adjustably securing the sections relative to the former and to each other.

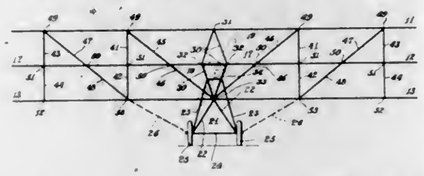
1,508,774. FLYING MACHINE. GIANNI CAPRONI, Milan, Italy. Filed May 14, 1920. Serial No. 381,307. 2 Claims. (Cl. 244—12.)

1. A pentaplane flying machine comprising in combination its five planes with their structural frames (11, 12, 13, 14, 15), a nucleus, and at each side a series of spaced apart rigid uprights (32, 33) connected to the frames of all of the planes, and forming a series of trellises symmetrically arranged, each trellis space divided into four cells by the intermediate planes (12, 13, 14), the said trellis spaces spanned by long diagonal brace members (38 or 42) and free from other diagonal resistance-producing brace members, said diagonal members each extending from the junction of one of said uprights with the top frame to the junction of the other upright with the lowest frame, and subdividing the trellis space



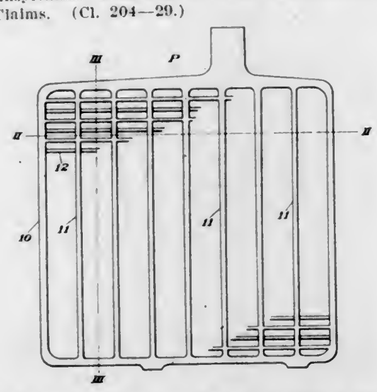
into triangles and trapezoids, and said diagonal members, secured to the middle frame where they cross the same.

1,508,775. FLYING MACHINE. GIANNI CAPRONI, Milan, Italy. Filed May 14, 1920. Serial No. 381,308. 3 Claims. (Cl. 244—12.)



1. A triplane having spaced apart uprights each connected to the frames of all the planes and forming a plurality of trellises at each side of the nucleus, and a rigid diagonal member in each trellis space, extending from corner to corner and giving reinforcement both of tension and compression, with a rigid nucleus formed by an arrangement of inclined struts meeting at and joined with the plane frames.

1,508,776. STORAGE-BATTERY PLATE. THOMAS R. COOK, Pittsburgh, Pa., assignor to Westinghouse Union Battery Company, Swissvile, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1920. Serial No. 402,664. 2 Claims. (Cl. 204—29.)

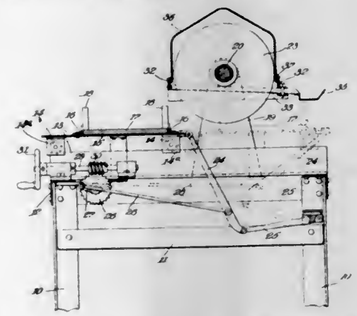


1. A storage battery comprising a positive grid having a relatively large amount of grid material, and a negative grid having a relatively small amount of grid material, said grids being constructed to hold substantially the same amounts of active material.

1,508,777. PROCESS FOR PRODUCING AND UTILIZING ALKALIES AND ALUMINA. ALFRED H. COWLES, Sewaren, N. J., assignor to The Electric Smelting & Aluminium Company, Sewaren, N. J. Filed Nov. 20, 1915. Serial No. 62,486. 13 Claims. (Cl. 23—22.)

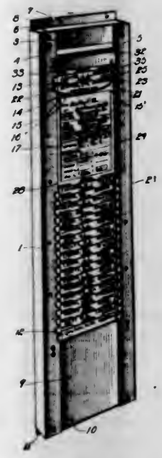
1. A process of treating leucite, feldspar and like alkali-alumina-silicates, which consists in subjecting them to a sintering process with such proportions of sodium metal carbonate and an alkali earth metal carbonate as will give a sintered product containing one molecular weight of silica to two molecular weights of alkali earth oxide and less than one and seventy-six hundredths molecular weights of alkali metal oxide to one of alumina, and leaching the sintered product.

1,508,778. ICE-CREAM-CUTTING MACHINE. HENRY H. DOERING, Chicago, Ill. Filed July 18, 1921. Serial No. 485,572. 6 Claims. (Cl. 107—22.)



6. A machine of the character described, comprising a supporting frame provided with a runway, a table adapted to move along said runway, means pivotally connected to the table and to the supporting frame and provided with an intermediate yielding point, gear mechanism having crank and link connection with said means at a point intermediate of said yielding point and the point of connection of said means with the table, the intermediate yielding point, crank and link connection being so correlated that one revolution of the gear mechanism will cause complete reciprocation of the table, a series of cutting discs rotatably mounted above said runway, a cream-holding member, provided with slotted sides for the passage of said cutting discs, adapted to be carried by the table, and means whereby the position of the cream-holding member, relative to the cutting discs, may be controlled.

1,508,779. DIRECTORY RACK. JOSEPH R. DUMONT, Kansas City, Mo. Filed Sept. 19, 1921. Serial No. 501,757. Renewed July 10, 1924. 7 Claims. (Cl. 129—16.)

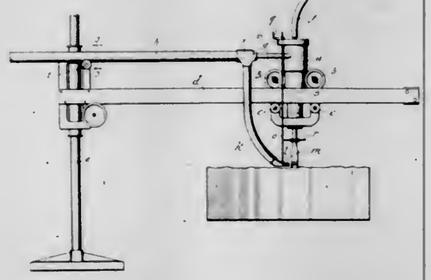


2. A card rack comprising spaced guides and card-receiving holders, each having oppositely disposed flat fingers spaced from the body portion of the holder and

directly opposite to the same at all points to provide guide-receiving grooves to be engaged by the guides on opposite sides of the rack.

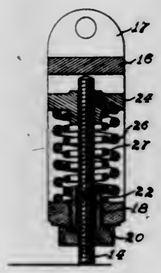
7. A directory comprising a frame having vertical guide rails, a plurality of vertically movable card holders supported one upon the other and engaged by the guide rails, and a vertically slidable weight normally bearing against the topmost card holder.

1,508,780. STONE-SURFACING APPARATUS. HARVEY E. EDGINGTON, Kankakee, Ill., assignor of one-half to Albert C. Tanner, Kankakee, Ill. Filed Mar. 7, 1921. Serial No. 450,243. 4 Claims. (Cl. 125—8.)



1. In an apparatus operated by compressed gas, the combination with an engine cylinder having an exhaust pipe leading therefrom, of a piston in the cylinder, a tool operated by the piston, a suction nozzle adjacent the working end of the tool and in use freely open to the air, a flexible pipe leading from the nozzle into which the exhaust pipe opens to create a draft therethrough, sucking air into the nozzle and adjustable means for supporting the nozzle.

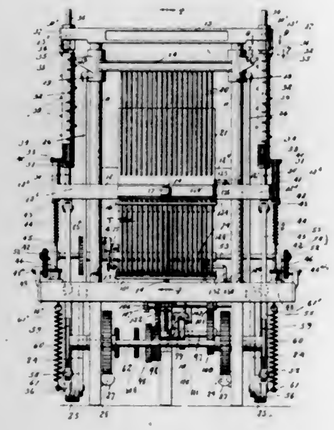
1,508,781. YIELDABLE PITMAN FOR JUMPER PRESSES. HERMAN EHRLICH, Chicago, Ill. Filed Mar. 15, 1923. Serial No. 625,242. 2 Claims. (Cl. 74—48.)



2. In a device of the class described, a screw-threaded rod, a frame having an opening in one of its end members, a nut on said rod, a sleeve connected with said nut and surrounding said rod, said sleeve lying between said rod and the walls of said opening, whereby motion of the rod relative to the frame will cause no wear upon the threads on the rod.

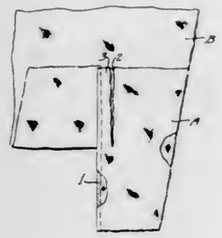
1,508,782. CORK-PACKING MACHINE. MAX ELLRICH, Jersey City, N. J., assignor, by mesne assignments, to Marie Christensen, Brooklyn, N. Y. Filed Jan. 21, 1921. Serial No. 438,907. 30 Claims. (Cl. 18—5.)

1. In a machine of the character described, a plunger adapted to enter a stationary chamber containing material to be compressed, and two independently propelled means, one to permit the said plunger to move at variable and



the other at constant strokes within said chamber to compress successive charges therein to a predetermined density.

1,508,783. SHIRT SLEEVE. WILLIAM B. FIELDS, St. Louis, Mo., assignor to Ferguson-McKinney Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 28, 1923. Serial No. 654,443. 1 Claim. (Cl. 2—121.)

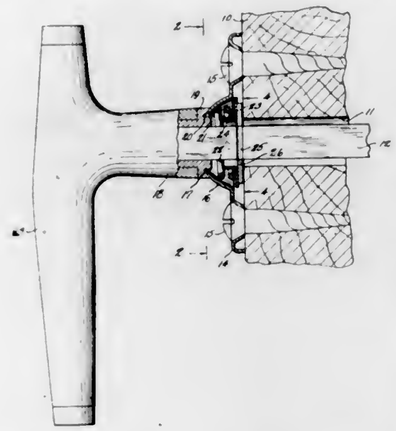


A shirt sleeve provided with a placket, a reinforcing element formed by a piece of material arranged on the underside of the sleeve at one side of the placket and extending upwardly from the cuff towards the elbow portion of the sleeve, the piece that constitutes said reinforcing element being slit longitudinally and said slit portion being doubled over so as to form a portion of the placket facing, and a top facing for the placket secured to said doubled over portion and to the sleeve material.

1,508,784. DOOR HANDLE. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Sept. 1, 1923. Serial No. 660,519. 12 Claims. (Cl. 292—347.)

1. In a device of the character described, an escutcheon plate adapted to be secured to a door and provided with a laterally extending concavo-convex flange having an

opening therethrough, a latch operating spindle extending through said opening, said spindle carrying a shoulder engaging one side of said flange, a spring engaging the

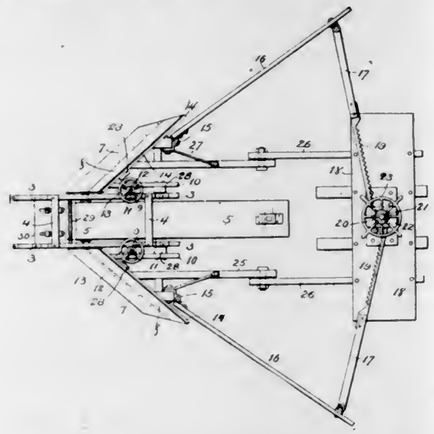


other side of the flange, and means secured to the spindle forming an abutment for the other end of the spring.

1,508,785. VEGETABLE HAIR TONIC. FRANK P. GIANNANDREA, Rosebank, N. Y. Filed June 7, 1921. Serial No. 475,763. 2 Claims. (Cl. 167—5.)

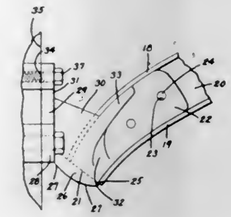
2. A hair tonic comprising an extract composed of approximately two ounces of cinnamon bark, three ounces of oats, seventy ounces of water, the same being mixed as the water is being boiled, and approximately fifty-one ounces of pure grain alcohol to be added when the mixture is cooled.

1,508,786. APPARATUS FOR REMOVING SNOW FROM ROADS AND STREETS. HOWARD GRIMES, Ticonderoga, N. Y. Filed Apr. 18, 1923. Serial No. 632,904. 3 Claims. (Cl. 37—44.)



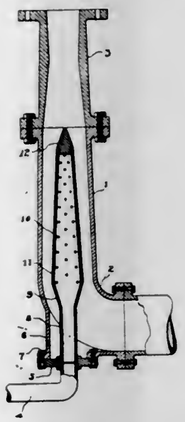
1. The combination of runners, means for coupling the runners to a tractor to travel in advance thereof, plows carried by the runners, and blocks adjacent the rear ends of the runners against which the front end of the tractor may abut.

1,508,787. CHASSIS CONNECTER FOR AIR SPRINGS. KARL WILLIAM HALLDEN, Waterbury, Conn. Filed Dec. 7, 1922. Serial No. 605,350. 3 Claims. (Cl. 267—54.)



1. In an automobile-air spring combination, an adapter in the form of a bracket-like structure having on one side a supporting plate for connecting with the air spring and on the other side a stem for connecting with the chassis-frame end, said plate and stem cooperating to form a substantially V-shaped structure with ends that are adjacent and merging one with the other, and a web-like connecter plate filling part of the gap between said plate and stem, being connected on one side to said plate and on the other side to said stem, and said stem being adapted to lie and fasten within the channeled horn at said chassis-frame end.

1,508,788. PRESSURE-FLUID LIFT PUMP. HALBERT B. HALVORSEN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 27, 1917. Serial No. 183,171. 9 Claims. (Cl. 23—232.)

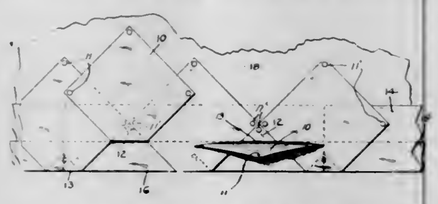


1. In an air lift pump, the combination with a riser member provided with a lateral inlet for fluid to be pumped, of an air supply nozzle connected to said riser member and extending within it past said inlet in a direction transverse to said inlet and longitudinal to said riser and discharging into said riser member only in the portion thereof beyond said inlet.

1,508,789. ARTIFICIAL SHINGLE. CHARLES H. HARRIS, Cranston, R. I., assignor of one-fourth to David E. Wood, College Point, N. Y., and one-fourth to Alfred E. Wood, Brooklyn, N. Y. Filed June 7, 1922. Serial No. 643,902. 3 Claims. (Cl. 108—8.)

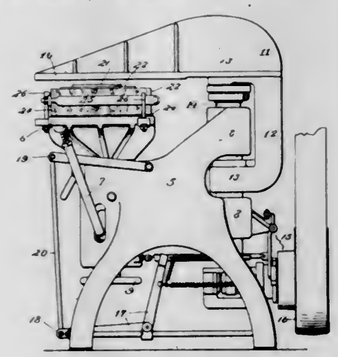
1. In shingle roofing, a plurality of like shingles of substantially rectangular form having predetermined holes in the four corner portions thereof, said holes being spaced uniformly from the edges of said shingles, one corner of

each of said shingles being folded under forming a flat crease parallel to a diagonal of the shingle and equidistant therefrom in the several shingles, a fastener adapted to pass through the hole of said folded under portion so that the head thereof will be covered by the main portion of the shingle, and a series of starting strips



of uniform dimensions spaced from each other to allow the passage therebetween of one of said fasteners, each strip having a predetermined hole formed therethrough of uniform location with respect to the ends and bottom edge thereof for co-operation with the corresponding hole in the folded under corner of a shingle.

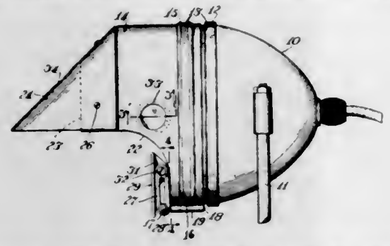
1,508,790. PRESS FOR CUTTING OR PUNCHING SHEET MATERIAL. GEORGE C. HILL, Boston, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Oct. 18, 1922. Serial No. 595,373. 1 Claim. (Cl. 164—19.)



In a clicking machine or power press for dieing out leather or like sheet material by a loose cutting die selectively positioned upon the material, the combination of a flat rigid supporting bed, a cutting block of substantial thickness and weight overlying said bed and adapted to give support to the material to be cut, a layer of resilient material between the bed and block and of an area to wholly underlie and yieldingly support the block, means clamping the block and layer in place upon the bed, a heavy head above the block, means mounting said head at one side only in a manner to swing laterally whereby it may be positioned above a cutting die placed selectively upon the material and swung therefrom, and power mechanism operating to cause the head to descend and strike a sudden sharp blow upon the die and them to return.

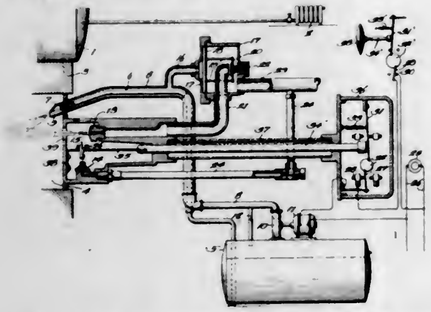
1,508,791. SEARCH OR HEAD LIGHT DEFLECTOR. PETER M. HOFFMAN, Desplaines, and CHARLES DOERING and HENRY H. DOERING, Chicago, Ill., assignors to Doering Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1921. Serial No. 476,973. 7 Claims. (Cl. 240—48.4.)

1. A deflector of the character described, comprising a split cylindrical shell section adapted to encircle a lamp casing, the forward end of said shell section being provided with a forwardly and downwardly presented flange having slots radiating from a common center, means whereby the split ends may be contracted, an arcuate hood section arranged in telescopic relation with said flange, means secured to said hood section and adapted



to extend through said slots whereby the hood section may be raised or lowered, and a shield section adjustably secured to said first means and disposed transversely of the lower portion of said shell section so as to move toward or away from the shell section.

1,508,792. HEATING SYSTEM. JOHN C. HORNUNG, Glencoe, Ill. Filed May 11, 1922. Serial No. 560,107. 5 Claims. (Cl. 158—28.)



1. In a heater, the combination with a heating nozzle; of an ignition burner in igniting relation to fuel flowing through the nozzle; a pilot burner in igniting relation to fuel flowing through the ignition burner; means for establishing flow of fuel through the heating nozzle; and means, operated by the aforesaid means, for establishing and cutting off flow of fuel through the ignition burner while flame is maintained at the pilot burner.

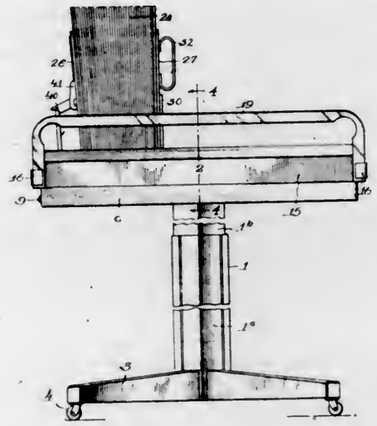
1,508,793. POSTING TRAY. DAVID E. HUNTER, Muskegon, Mich., assignor to Shaw-Walker Company, Muskegon, Mich., a Corporation of Michigan. Filed July 26, 1922. Serial No. 577,564. 12 Claims. (Cl. 129—16.)

1. In a device of the character described, the combination of a tray having a central longitudinal channel and a follower plate provided with tongues at its lower edge adapted to engage within slots arranged along said channel and consisting of connected portions formed in the vertical and horizontal walls along the sides of said channel, said horizontal portions acting to retain the plate in upright position, and said vertical portions being of tapered form to permit said plate to be tilted when said tongues are released from one of said horizontal portions.

4. In a device of the character described the combination of a tray, a sliding carriage mounted on said tray, a follower plate pivotally mounted on said carriage and a hinged brace mounted on said plate and adapted to engage said carriage to hold said plate in vertical position.

11. In a device of the character described the combination of a tray, consisting of side and end frame members, a contents-supporting track extending between said end

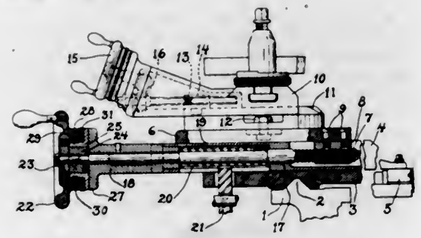
frame members and fixed thereto, said side frame members being provided with end portions overlapping said end frame members, fastening means for adjusting the



side frame members transversely to vary the width of said tray, and rails extending along said side frame members and spaced above the level of said supporting track,

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1,508,794. LATHE-TOOL MECHANISM. WALTER E. INGHAM, Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 22, 1921. Serial No. 524,267. 29 Claims. (Cl. 82—24.)



1. The combination of a support, a tool supporting slide thereon, a screw for actuating the slide, a hand wheel on the screw, adjustable graduated means operatively connected with the screw, such means being adapted to be accurately adjusted to a position indicative of the respective tool feeding movement it is desired to give to the screw, means on the support adapted to cooperate with the graduated means, movement of the hand wheel and screw to move the adjustable graduated means, after the proper tool feeding adjustment thereof, to a position to register a definite location thereon with the said cooperating means on the support being adapted to always place the tool in its advanced cutting position, and means cooperating with the said adjustable graduated means for always indicating the total depth of tool cut taken.

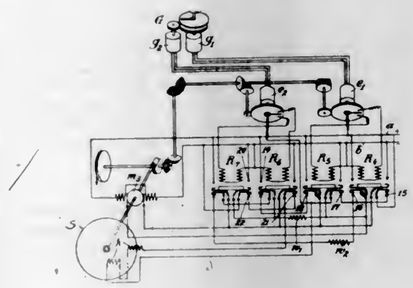
25. The combination of a support, a slide thereon, a screw operatively connected to the slide, a bearing threadedly engaging the support, the screw being rotatable within the bearing, a hand wheel mounted on the screw, rotation of the screw within the bearing being adapted to slowly actuate the slide, means operatively between the screw and bearing for relatively rotating the screw and bearing, graduated means for indicating the amount of such relative movement, the hand wheel being adapted to rotate the bearing and screw together to move the same bodily in an axial direction for rapidly actuating the slide, a stop on the support, and a cooperating stop on the bearing adapted to engage the first stop to limit the rotation of the bearing.

1,508,795. PENCIL. CLIFFORD N. JOHNSON, Toledo, Ohio, assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 28, 1921. Serial No. 518,193. 5 Claims. (Cl. 120—18.)



5. In a pencil of the class described, a barrel having a side opening, a longitudinally corrugated magazine sleeve fitted in the barrel and having a notch in a rib thereof, a clip carrying member projecting through the barrel opening and thence lengthwise of the barrel in close fitting relation between the barrel wall and the notched rib of the sleeve and having an inwardly angled notched tail-piece straddling the notched rib and interengaged with the notch of the rib.

1,508,796. SYSTEM FOR ADJUSTING AT A DISTANCE GUNS, SEARCHLIGHTS, OR OTHER APPARATUS. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed May 12, 1921. Serial No. 468,966 4 Claims. (Cl. 172—239.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)

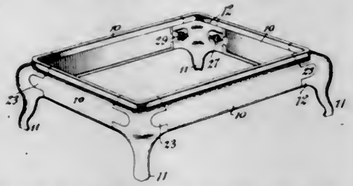


1. In a signalling system for the tele-control of motor operated objects, two sets of electrical transmitters and receivers adapted to transmit different kinds of object adjustments, means, electrically controlled by the adjustment of one of said receivers, adapted to control the motor operation, other means electrically controlled by the adjustment of the other of said receivers also adapted to control the motor operation, and contact means suitably controlled by said first-named means and adapted to make operative said other means to permit both controlling means only successively to cause the motor operation according to the adjusted positions of said receivers.

1,508,797. FASTENING FOR STOVE-BASE MEMBERS. EDWARD KENER, Jr., Buffalo, N. Y., assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y., a Corporation of New York. Filed Mar. 27, 1924. Serial No. 702,186. 3 Claims. (Cl. 126—304.)

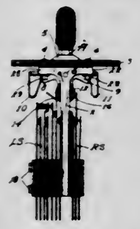
1. A stove base comprising a bar member, a leg member, one of said members being provided with a recess and the other member having a tenon engaging with

said recess, the bottom of said recess having an opening and said tenon having a lug extending through said



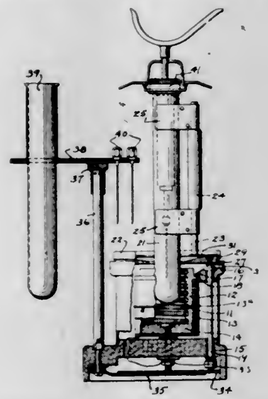
opening, and a pin extending through said lug and engaging with that side of the member having the recess opposite to where the same is engaged by said tenon.

1,508,798. KEY. ALBERT KLAY, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 23, 1920. Serial No. 405,220. 11 Claims. (Cl. 179—176.)



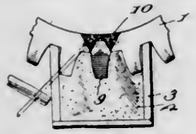
1. An operator's key including an escutcheon plate, a vertically disposed mounting plate secured to said escutcheon plate, sets of contact springs secured to the opposite sides of said mounting plate, a cam member pivotally secured to said mounting plate for actuating said springs, said cam member being provided with integrally formed ears for limiting the operation of the same, and auxiliary devices attached to said mounting plate for co-operation with the ears on said cam to prevent an overthrow operation of the cam when it is returned to its normal position from one of its operated positions.

1,508,799. STERILIZER. ROBERT E. KLETT, Ridgefield Park, N. J., assignor to Klett Manufacturing Company, Inc., a Corporation of New York. Filed Sept. 23, 1922. Serial No. 590,003. 8 Claims. (Cl. 219—38.)



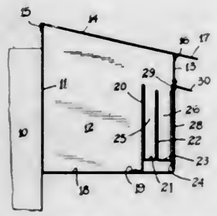
1. The combination with an electric heater, of an object to be heated thereby, a contact adjacent the heater adapted to support said object, and a conductor supporting said object on said contact, held in engagement with said contact under the weight of said object, secured to the object, and removable from the heater therewith.

1,508,800. METHOD AND APPARATUS FOR REPAIRING METALLIC STRUCTURES. ROYAL MATTICE, Philadelphia, Pa. Filed June 15, 1922. Serial No. 568,460. 20 Claims. (Cl. 22—190.)



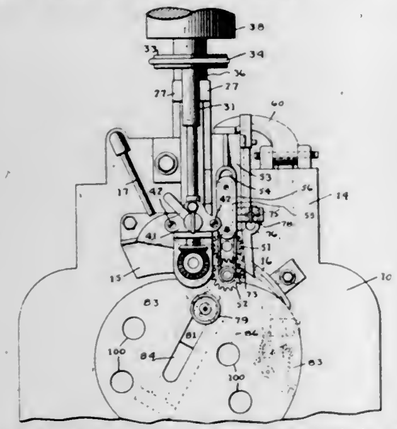
2. The method of replacing portions of a metallic structure which consists in molding a pattern from a portion of the structure similar to the portion to be replaced, forming a replacement portion from said pattern, and finally welding said replacement portion in position in the structure.

1,508,801. MAIL BOX. HUGO MILLER, Colby, Wis., assignor of one-half to Martha Schild, Chicago, Ill. Filed Aug. 27, 1923. Serial No. 659,431. 2 Claims. (Cl. 232—24.)



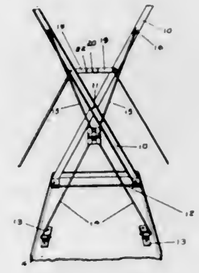
1. A letter box having a transparent panel in one of its side walls, a hinged cover on said box and a pair of longitudinal partitions in said box, said partitions forming narrow compartments visible through said panel, one of said partitions being cut away to disclose the adjacent compartment.

1,508,802. HAT-BRIM-CURLING APPARATUS. STEPHEN J. MILLER, Danbury, Conn. Filed Sept. 13, 1921. Serial No. 500,350. 19 Claims. (Cl. 223—22.)



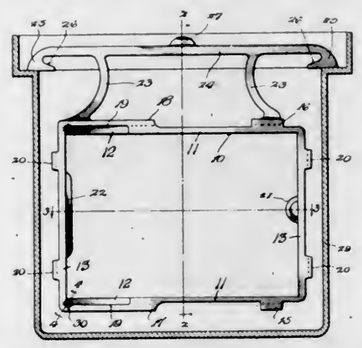
1. In apparatus of the character described, in combination, a curling shackle, means co-operating with said shackle for producing a curl in a hat brim, means for preliminarily guiding said hat brim to said means, an adjustable gauging member associated with said guiding means for predetermining the amount of material of said brim passed between said gauging member and said guiding means to be formed into a curl by said shackle and said cooperating means, and means operative to automatically adjust said gauging member with respect to said guiding means to compensate for varying thicknesses of said material.

1,508,803. FOLDING BRACE. EARL E. MCGREW, Lincoln, Nebr. Filed Feb. 20, 1923. Serial No. 620,224. 5 Claims. (Cl. 45—48.)



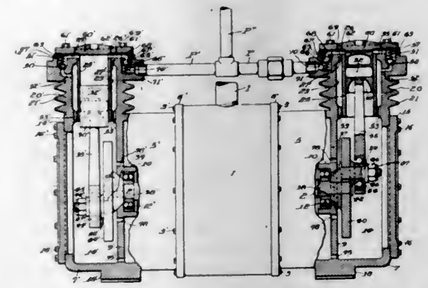
1. A pair of pivotally connected crossed arms, a rod, a connection between said rod and one end of each of said crossed arms, said connection permitting independent sliding movement of either or both arms on the rod and permitting also pivotal movement of both arms together on the rod, and a folding brace for preventing both pivotal and sliding movements of the arms, said brace comprising a brace arm which is pivoted at a fixed position with respect to the aforesaid rod, a pair of brace arms pivotally connected to said first brace arm, said pair of brace arms being pivotally connected with the crossed arms, and a yielding latch for preventing pivotal movement between the brace arms.

1,508,804. DEVELOPING-FILM HANGER. GEORGE D. PAPPAJION, Danielson, Conn. Filed Aug. 23, 1922. Serial No. 583,802. 6 Claims. (Cl. 95—100.)



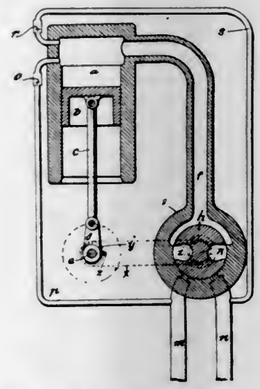
1. A developing film hanger including a hanger frame comprising spaced complemental frame members to receive a film therebetween and having spaced webs thereon rigidly connecting the members and disposed to sustain the film limiting the film against displacement from between the members.

1,508,805. COMPRESSOR. ARTHUR D. SHAW and JOSEPH R. THOMAS, Philadelphia, Pa., assignors, by mesne assignments, to Widmer Compressor, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 14, 1922. Serial No. 552,511. 5 Claims. (Cl. 230—6.)



1. In a compressor, the combination with a motor having a field ring, of a closed crank case supported at each side of the ring, a partition provided with ports between each crank case and the ring, a cylinder supported on each crank case and having inlet and exhaust valves, a piston in each cylinder, means for actuating the piston from the motor, and an inlet connection communicating with the interior of the motor whereby the gases to be compressed in the cylinders are first directed into the motor and thence led through said ports and the respective inlet valves of the cylinders.

1,508,806. PUMP WITH VARIABLE OUTPUT AND CONSTANT NUMBER OF STROKES. GIULIO SILVESTRI, Rodaun, near Vienna, Austria. Filed Jan. 12, 1921. Serial No. 436,793. 5 Claims. (Cl. 103—37.)

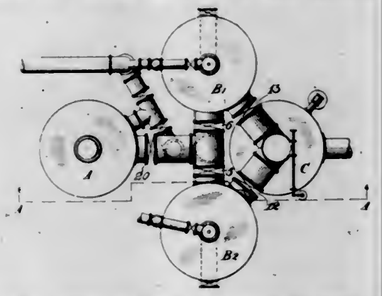


1. A pump, a delivery and a suction pipe associated therewith, means for withdrawing a quantity of liquid from said delivery pipe upon the suction stroke of said pump and forcing an equal quantity of liquid into said suction pipe upon the succeeding delivery stroke, and means for adjusting said other means whereby the output of said pump may be varied during the uniform operation thereof.

1,508,807. METHOD OF MANUFACTURING CARBURETED WATER GAS. GEORGE WALLACE SMITH and FRANK L. WEISSER, San Antonio, Tex. Filed June 9, 1920. Serial No. 387,717. 13 Claims. (Cl. 48—205.)

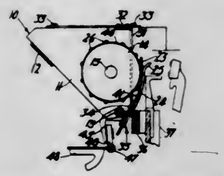
6. The method of manufacturing carbureted water gas by the utilization of interchangeable carburetor and super-

heater members and which method comprises directing the flow of gas from the generator into one of said members and through the other of said members and



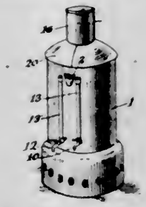
separately creating a localized oxidizing zone in the member functioning as a superheater to remove the carbon deposits therein.

1,508,808. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 19, 1922. Serial No. 530,238. 6 Claims. (Cl. 197—135.)



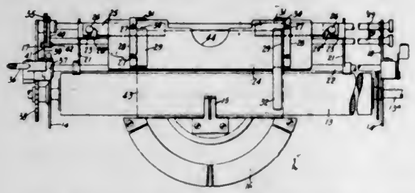
1. In a front-strike typewriting machine, the combination with typing instrumentalities, of an introducer for a stencil card that is inserted downwardly, bottom end foremost, at the printing point, said introducer comprising a revoluble platen forming one member of the introducer, and also comprising resilient guiding lips diverging from the front of the platen above the printing line at their upper ends, and permitting the insertion of the lower end of the card between them and the platen, said lips extending down in front of the platen and terminating below the platen at the front thereof and guiding the card downwardly below the bottom of the platen in approximately straight condition, and also comprising rows of teeth at opposite ends of the platen and protruding into perforations in the sides of the card, said lip extensions overlying said teeth and holding the card in co-operation with the teeth and platen at the printing line.

1,508,809. COFFEE PERCOLATOR. ALFRED N. WHITE, Los Angeles, Calif. Filed Feb. 12, 1923. Serial No. 618,464. 22 Claims. (Cl. 53—3.)



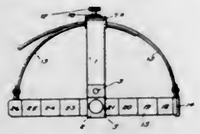
1. A percolator having a container adapted for percolation of liquid therethrough, means for supplying a liquid, means for discharging material into said container, and means for controlling said discharge in proportion to the liquid supply.

1,508,810. TYPEWRITING MACHINE. JAMES C. ANDERSON, Phoenix, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 7, 1921. Serial No. 505,983. 10 Claims. (Cl. 197—127.)



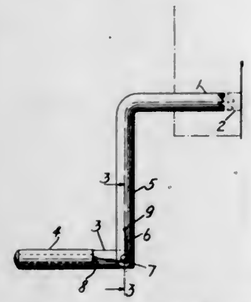
1. In a typewriting machine, in combination, a platen, a sheet-supporting table above said platen, side-edge guides for a work-sheet on said table having projections to overlie the sides of the work-sheet and hold it on the table, and a resilient finger carried by said table and positioned to press said work-sheet against the platen.

1,508,811. HEAD MEASURE. MARIA PERKINS-KELLY, Los Angeles, Calif. Filed Aug. 8, 1922. Serial No. 580,481. 5 Claims. (Cl. 33—176.)



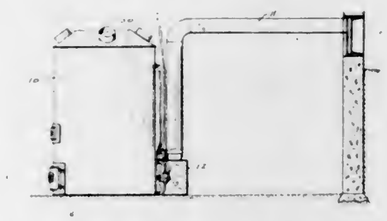
1. In a head measure, a holder made from a single piece of sheet metal having therein two slots and a perforation and having its ends bent over adjacent to each other to provide a passageway therethrough, two pair of members, one pair of said members being slidably arranged in the said slots, the other pair of members having one end of each member slidably arranged in the passageway, a set screw arranged in the said perforation in the holder and adapted to engage the uppermost member and a band connected with the lower ends of the members.

1,508,812. CRANKING HANDLE FOR AUTOMOBILES. GUSTAVE LEVESQUE, Montreal, Quebec, Canada. Filed Aug. 4, 1923. Serial No. 655,743. 2 Claims. (Cl. 74—33.)



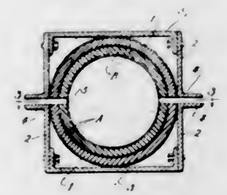
1. A crank handle for automobiles comprising a bar having a slot at one end, and a portion bent at right angles provided with a clutch at the other end; a pivot pin mounted through said bar at the slotted end; a handle bar mounted in said slot on said pivot pin; and a pair of spring members, each secured at one end in the bar and the other end in the handle bar and in its intermediate portion wound around said pivot pin in order to force the handle bar in alignment with said bar.

1,508,813. HOT-AIR HEATING SYSTEM. JAMES C. MILES, Cleveland, Ohio. Filed Dec. 13, 1920. Serial No. 430,160. 14 Claims. (Cl. 98—27.)



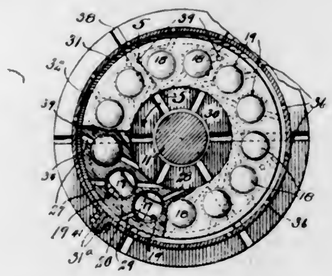
1. In a device of the character described, the combination with a heating chamber, of a fan for forcing air into said chamber, means normally allowing the passage of air into said chamber, said means being arranged to yieldably resist the escape of air therefrom, and adapted at a predetermined pressure to permit the passage of air in a reverse direction.

1,508,814. APPARATUS FOR VULCANIZING TIRE LINERS AND THE LIKE. EDWARD J. MORAN, Chicago, Ill. Filed May 5, 1922. Serial No. 558,681. 2 Claims. (Cl. 18—38.)



1. A multiple mold for vulcanizing tire-liners comprising two semi-cylindrical sheet metal troughs housed in openwork cradles, and a sheet metal open-ended cylinder somewhat smaller in diameter than said troughs.

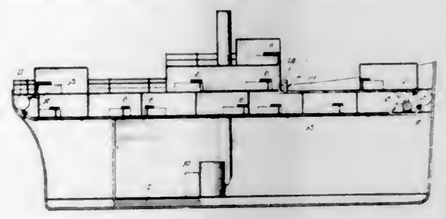
1,508,815. THRUST BEARING. GEORGE S. NEELEY, Hartford, Ill., assignor of one-half to Griffin Watkins, Alton, Ill. Filed Aug. 15, 1923. Serial No. 657,574. 11 Claims. (Cl. 64—49.)



1. A thrust bearing comprising a pair of oppositely disposed ball race members, a ball bearing retaining member interposed therebetween, and a casing enclosing said members and spaced therefrom, said retaining member being provided with a series of bores extending therethrough each of said bores being disposed at an angle to the radius of said maintaining member whereby the lubricant is caused by centrifugal action to be discharged outwardly through said bores when said retaining member is rotated.

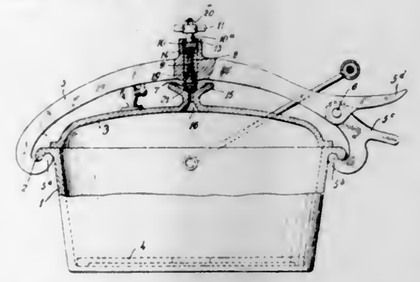
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1,508,816. EMERGENCY MEANS FOR FLOATING SHIPS. FREDERICK Y. NICHOLS and SAMUEL R. DRUM, Chicago, Ill.; said Samuel R. Drum assignor to William Henry Drum, Gridley, Ill. Filed Dec. 30, 1920. Serial No. 434,116. 1 Claim. (Cl. 114—68.)



In a ship, a plurality of expansible air receptacles located in various parts of the vessel; an air reservoir located at each end of the vessel; means near each reservoir for controlling the reservoirs in the event that the other reservoir-controlling means has become inaccessible; pipes connecting the receptacles and the reservoirs; an air compressor for charging the reservoirs selectively; means for operating said compressor independently of the power means that drives the ship and means on the deck of the ship by which an air conducting hose may be connected to the system.

1,508,817. COOKING UTENSIL. HERMAN G. PFAEHLER, New York, N. Y., and CHARLES J. MARKS, Paterson, N. J. Filed Apr. 18, 1924. Serial No. 707,344. 9 Claims. (Cl. 53—1.)



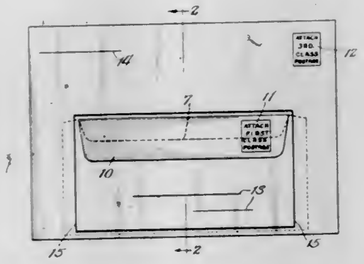
9. A vessel provided with a lid having an outlet passage, a yoke, and means for detachably securing the yoke to the vessel over the lid, said yoke having a bore, a plunger slidable in the bore, the plunger having a valve to control the flow from said passage, a spring normally pressing the plunger toward the lid, and means cooperative with the valve independent of the plunger to load the said valve.

1,508,818. BEADWORK LOOM. WILLIAM A. POPPA, Chicago, Ill. Filed June 7, 1923. Serial No. 643,893. 8 Claims. (Cl. 28—15.)



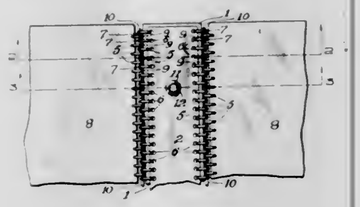
1. A bead work loom comprising a base member, supporting members resettably mounted on said base member, extensible resilient means removably mounted on each supporting member for receiving and spacing the warp threads of articles to be made on said loom, and means for holding the warp threads taut during construction.

1,508,819. DUPLEX ENVELOPE. JOSEPH SAWDON, Quincy, Ill. Filed Dec. 22, 1921. Serial No. 524,102. 10 Claims. (Cl. 229—72.)



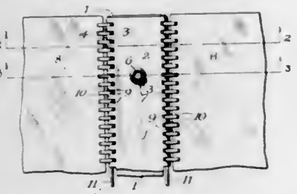
1. In a duplex envelope for two kinds of mail matter, a wall forming the outer surface of the envelope and provided with an opening therein formed by cutting the material in a manner to form a flap, an inner wall extending over the surface of said flap and secured thereto, so that said wall is secured in place inside of the envelope, and an outer flap integral with said inner wall and extending over said opening, whereby the envelope has two compartments, with a place for postage on the address side of the envelope for each compartment, so that postage may be applied separately to each compartment, and a place below the outer flap for a single address for the entire envelope.

1,508,820. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed July 28, 1923. Serial No. 654,297. 2 Claims. (Cl. 281—29.)



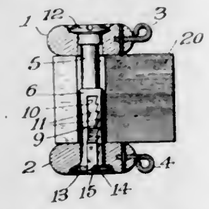
1. The herein described improvement in book covers, which consists of a flexible back having superimposed on its inner face a metal plate having a series of spaced perforations extending along its side edges, a metal hinge strip having extending from opposite side edges series of staggered spaced fingers, the fingers of one series being bent around and clenched through the outer face of the leather back, while the fingers of the other series are bent around to form alined spaced eyes the extremities of these latter fingers being then clenched through the perforations in the metal plate into the inside face of the leather back, pliable covers, metal strips having extending from opposite side edges series of staggered spaced fingers which are bent around and clenched into the inner edges of the covers on the inside and outside faces thereof, one set of these last named fingers before clenching being formed into alined spaced eyes which are interengaged with the eyes along the side edges of the back portion to form complementary hinge elements, and pintles inserted within said elements.

1,508,821. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed July 28, 1923. Serial No. 654,299. 1 Claim. (Cl. 281—29.)



The hereindescribed improvement in book covers, which consists of a back portion of non-metallic penetrable material, a metal plate superimposed upon the inner face of said portion said plate having integral therewith along its side edges a series of fingers that are bent and formed into space alined projecting eyes, the extremities of said fingers being clenched into the outer face of said back portion, flexible covers having secured along their inner edges a series of alined and spaced projecting eyes, the eyes of the back portion and covers being interengaged, and pintles inserted through said eyes.

1,508,822. UNITARY TELESCOPING ELEMENT AND LOCKING MEANS. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Sept. 22, 1923. Serial No. 664,277. 4 Claims. (Cl. 129—13.)



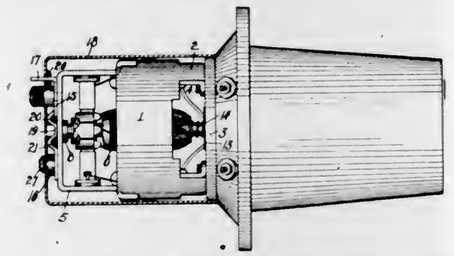
2. A device for holding loose sheets, consisting of hollow telescoping elements, one of which has ratchet teeth thereon and the other a projection for engaging said teeth, and spring means contained within said elements for exerting both a propelling and torsional effect.

1,508,823. SCRATCH-PAD FILLER BOOK. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Sept. 22, 1923. Serial No. 664,279. 1 Claim. (Cl. 281—19.)



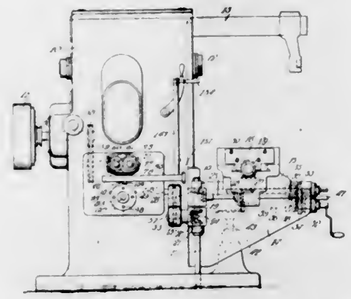
In a scratch pad filler book, flexible cover portions, a resilient sheet metal tongue which is backed by a body portion that is secured to one of the cover portions with the tongue extending lengthwise of the book and toward the back thereof, and a bound scratch pad provided with a comparatively thick face cover having a slit extending crosswise through the comparatively thick cover and binding, whereby said pad may be detachably secured between the cover portions by inserting said tongue through said slit.

1,508,824. ADJUSTABLE THRUST BEARING. ADOLF P. C. SCHRAMM, New York, N. Y., assignor to United Electrical Manufacturing Company, Adrian, Mich., a Corporation of Michigan. Filed July 31, 1922. Serial No. 578,529. 9 Claims. (Cl. 64—52.)



1. In combination, a shaft, a frame member disposed crosswise of the shaft and having a bearing opening through which an end of the shaft projects, a lever disposed lengthwise of the frame member and fulcrumed for movements transversely thereof, said lever having a transversely inclined portion for end bearing coaction with the adjacent end of the shaft.

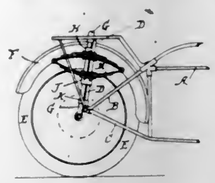
1,508,825. SKIP-FEED MILLING MACHINE. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Feb. 16, 1920. Serial No. 359,081. 40 Claims. (Cl. 90—21.)



1. In a machine of the class described, a column, a table, a source of power for said column, a feed box portion in said column, a power transmission for said table comprising a drive gear and a driven gear projecting into said feed box portion, and means adapted to be interpolated to form a part of said power transmission in said column between said drive gear and said driven gear in said feed box portion to automatically control the motion of said table.

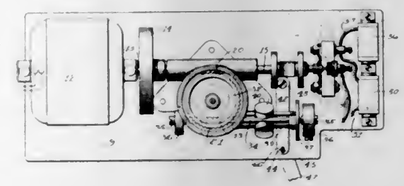
1,508,826. CYCLE FRAME. HERBERT WILLIAM TURNER, Auckland, New Zealand. Filed Nov. 14, 1922. Serial No. 600,797. 2 Claims. (Cl. 208—101.)

1. In a cycle frame, the combination with the main frame, of a forked frame arranged to extend down on both sides of the rear wheel and fixed at its lower ends to the main frame, and a second frame of similar shape, between the lower ends of which the rear wheel is journalled, such frames being so disposed that their side members extend parallel with one another on each side of the



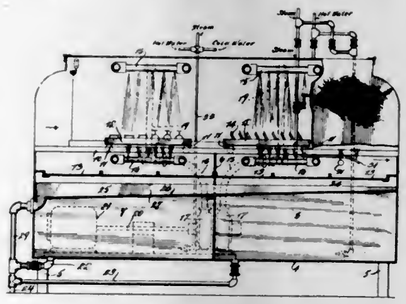
wheels, means whereby the two frames are linked together so that they may move relatively up and down, and spring cushions interposed vertically between the two said frames.

1,508,827. DRIVING MECHANISM FOR PHONOGRAPHS. LOUIS P. VALIQUET, Chicago, Ill. Filed Sept. 4, 1923. Serial No. 660,711. 8 Claims. (Cl. 171—222.)



1. In driving mechanism for talking machines, the combination of an electric motor, a record turn-table, a slip-connection connected to drive said turn-table, gearing between the motor and the slip connection, an electric circuit for said motor, a resistance connected to said circuit, speed-controlled means for automatically cutting the resistance into and out of the circuit and speed-controlled means applied between the slip connection and the turn-table for regulating the speed at which the turn-table is driven through the slip connection.

1,508,828. WASHING MACHINE. JOHN F. WHOLEY, New York, N. Y., assignor to Faspray Corporation, New York, N. Y., a Corporation of Delaware. Filed July 14, 1922. Serial No. 574,865. 7 Claims. (Cl. 141—9.)



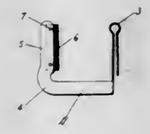
1. In a washing machine, a casing having a plurality of separated compartments at its base, and an overflow drainage means extending along the same side of the compartments and common to said compartments with its bottom inclined relatively to the overflow edge of said drainage means.

1,508,829. ELECTROLYTE-LEVEL INDICATOR FOR STORAGE BATTERIES. JOSEPH L. WOODBRIDGE, Philadelphia, Pa. Filed Oct. 31, 1922. Serial No. 598,068. 2 Claims. (Cl. 136—118.)



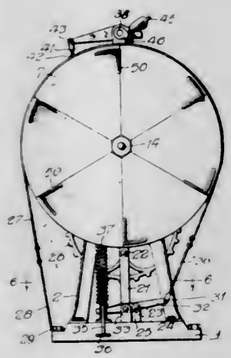
2. An electrolyte level indicator for storage batteries comprising the combination of a cover having an opening for both filling and venting and said cover being otherwise substantially imperforate, a seat element provided on the wall of said opening, a vent cap for the opening, and a detached indicator float arranged for guidance by the seat element and buoyant to protrude through the opening when the cap is removed and to be submerged by the cap when in place.

1,508,830. VIOLIN-BOW GUIDE AND MUTE. LORENZ J. ZAHN, Astoria, N. Y. Filed June 27, 1923. Serial No. 648,123. 9 Claims. (Cl. 84—283.)



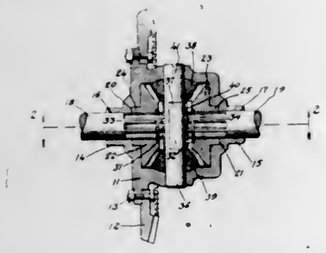
1. In a combined bow guide and mute for a stringed instrument having a bridge, a part to slip over the top of the bridge and acting as a mute, a single member fastened to the mute part and having a portion extending approximately parallel to the mute part, said portion acting as a guide for a bow.

1,508,831. HEMP AND PINA STRIPPING MACHINE. MARINO ZALVIDEA, Manila, Philippine Islands. Filed Dec. 27, 1923. Serial No. 683,067. 6 Claims. (Cl. 19—34.)



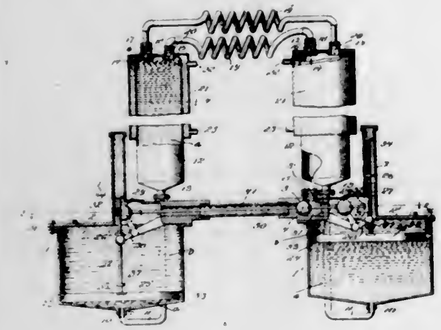
3. A machine of the character described comprising in combination with a supporting frame, a fiber pulling and carrying wheel rotatably mounted thereon, laterally extending arms upon said wheel, movable supported means for transmitting rotary motion to the wheel, a knife adjustably supported in the upper end of the frame, a table pivotally supported on the frame in proximity to said knife, and means for simultaneously moving the motion transmitting means into engagement with the wheel, the table into operative engagement with respect to said knife and releasing said braking means from a peripheral portion of the wheel.

1,508,832. DIFFERENTIAL MECHANISM. KARL W. ZIMMERSCHIED, New York, N. Y., and ORMOND E. HUNT, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 584,037. 4 Claims. (Cl. 74—99.)



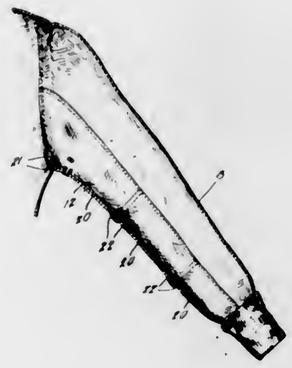
1. A differential and rear axle mechanism comprising, in combination, a differential housing, alined axle sections extending into the housing on opposite sides, a pinion shaft supported in the housing at right angles to the axle sections and between their ends, said pinion shaft having a flattened portion opposite the axle sections and terminating in shoulders at opposite ends, a spacer block having a cylindrical bore to receive the pinion shaft and a communicating opening along one side to slide over the flattened portion, the pinion shaft being angularly movable to change the relation of the flattened portion to the side opening of the spacer block, and differential gearing in the housing arranged to prevent removal of the spacer block when the pinion shaft is in its normal angular position.

1,508,833. REFRIGERATING APPARATUS. FREDERICK C. WEBER, New York, N. Y., and FRANK M. ALLEN, Washington, D. C. Filed May 29, 1919. Serial No. 300,613. Renewed Feb. 18, 1924. 4 Claims. (Cl. 62—115.)



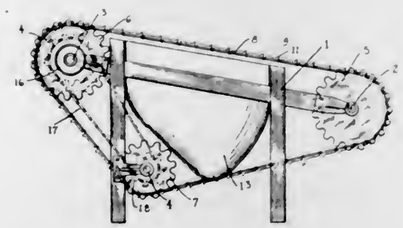
1. A refrigerating apparatus having, in combination with means for cooling the compressed refrigerant and means for expanding the same to secure the refrigerating effect, means for compressing the refrigerant actuated by liquid pressure and having a liquid piston between the power liquid and the refrigerant.

1,508,834. SLEEVE LINING. SAMUEL COHEN, St. Paul, Minn. Filed Nov. 29, 1922. Serial No. 603,967. 5 Claims. (Cl. 2—97.)



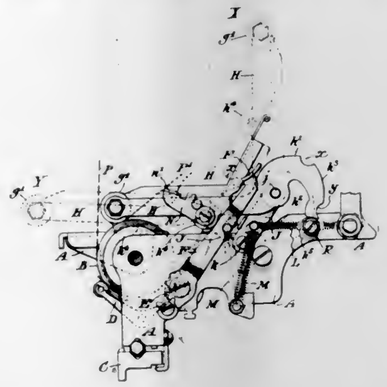
1. In a leather sleeve the combination of a front part and a back part secured thereto by suitable rows of stitching, a lining strip arranged adjacent to the inner surface of the back part of the sleeve and secured by said rows of stitching thereto, said lining strip consisting of non-elastic easily flexed material and being slightly larger within said rows of stitching than the rear part of the sleeve to permit a slight stretching of the leather of the rear part before the lining strip comes into active play to resist excessive or deleterious strain on said rear part.

1,508,835. GRADING OR SORTING MACHINE. WILLIAM A. CONTANT and LLOYD E. CONTANT, Rochester, N. Y., assignors of one-half to F. B. Pease Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 7, 1924. Serial No. 697,630. 4 Claims. (Cl. 130—32.)



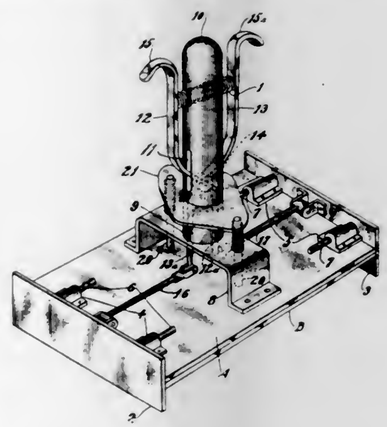
1. A grader or sorting machine comprising an endless conveyor having grading openings and having its upper lap arranged on an incline and having the upper end of the incline portion turning downwardly, and a drum arranged under the upper lap of the conveyor at the downwardly turned portion and operating at a different peripheral speed from the surface speed of the conveyor to displace articles from the openings in the conveyor at such downwardly turned portion.

1,508,836. TYPEWRITING MACHINE. GUSTAVE O. DEGENER, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 9, 1924. Serial No. 685,237. 13 Claims. (Cl. 197—138.)



1. In a typewriting machine a pressure roll and a frame therefor movable about an axis in rear of the platen to lift the roll to a position above the platen and movable also fore and aft of the machine to shift the pressure roll to a position in front of the platen and a considerable distance therefrom.

1,508,837. CUBE-SUGAR PACKING DEVICE. HENRY DIPPEL, San Francisco, Calif. Filed Oct. 10, 1923. Serial No. 667,649. 6 Claims. (Cl. 294—87.)

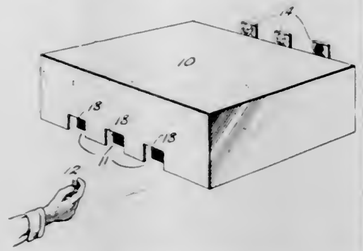


1. A device of the character described comprising a base plate, a pair of gripping plates mounted thereon, means for opening and closing the plates in unison, and a pusher plate disposed between the gripping plates.

1,508,838. GAME APPARATUS. JOHN C. DOLGONAS, Chicago, Ill. Filed May 25, 1922. Serial No. 563,519. 2 Claims. (Cl. 46—61.)

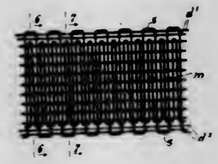
2. A game apparatus comprising a box having an opening in its front wall and through which a game piece is adapted to be projected, a target movably mounted rearwardly of the rear wall of the box and movable

toward and away from the rear wall thereof, a rod slidable through the rear wall of the box and in position to move the target away from said rear wall, a hanger



in the box adjacent the said opening and slidably receiving the rod, and a transverse head on the end of the rod inwardly of the opening for engagement by a game piece for movement of the rod into target striking position.

1,508,839. SAFETY FUSE. OTTO DREYER, Essen-Ruhr, Germany. Filed Feb. 4, 1922. Serial No. 534,242. 4 Claims. (Cl. 200—135.)

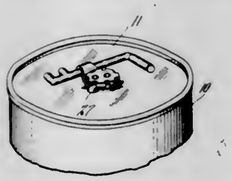


1. A safety fuse comprising a strip- or band-shaped carrier of insulating material, a conductor on each longitudinal edge of said carrier and a continuous wire extending in a plurality of zigzag windings across said carrier between said conductors and in multiple conductive contact with each conductor.

1,508,840. FABRIC AND ARTICLE. CAMILLE DREYFUS, Basel, Switzerland, assignor to The American Cellulose & Chemical Mfg. Co., Ltd., New York, N. Y., a Corporation of Delaware. Filed Dec. 22, 1921. Serial No. 524,277. 4 Claims. (Cl. 8—13.)

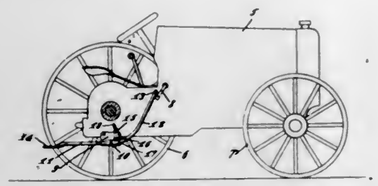
4. Ribbons and other fabrics comprising silk threads non-immune to weighting, associated with threads of cotton provided with a resistant dressing of cellulose acetate whereby they are substantially immune to weighting.

1,508,841. AGITATOR AND LOCK THEREFOR. CHARLES E. FARRINGTON, Phoenixville, Pa. Filed Jan. 23, 1924. Serial No. 687,966. 11 Claims. (Cl. 259—134.)



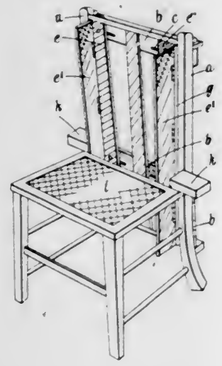
1. A combined closure and coupling member for a container having means for engaging an agitator, and a locking ring adapted to secure said member against removal, said locking means having means for engagement with the container and said member.

1,508,842. AUTOMATIC CLUTCH RELEASE. WILLIAM P. FITZGERALD, Princess Anne, Md. Filed May 14, 1921. Serial No. 469,697. 1 Claim. (Cl. 180—82.)



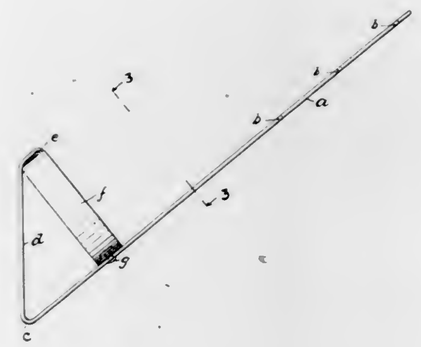
In combination with a tractor and the clutch pedal thereof, a plate having a pivot pin extending laterally therefrom, secured to the tractor, a relatively long arm having an upwardly extended end supported on the pivot pin, said upwardly extended end adapted to normally engage the clutch pedal, a locking arm pivotally connected to the plate at a point adjacent to one end of the arm, and laterally with respect to the pivot pin, one end of the locking arm being curved to cooperate with the first mentioned arm to lock the arm in its active position, and said locking arm having an enlarged end adapted to be engaged by the foot of the operator to lift the locking arm to its inactive position.

1,508,843. TROUSERS AND LIKE PRESS. DYSON FULLER, Southend, England. Filed June 14, 1921. Serial No. 477,606. 2 Claims. (Cl. 155—188.)



1. A combined chair and trousers press comprising a chair having an opening between the chair back and the chair seat, a pair of press members each composed of two vertical pivotally connected slats, positioned adjacent, and supplementing, the chair back and extending through said opening to below the seat level, means for adjustably securing one slat of each pair of press members to the chair back, the other slat of each pair being free to swing away from its companion slat and into the opening, wedging blocks hinged to the side edges of the seat and swingable inwards into the opening and between the back edge of the seat and the slats, whereby to thrust the swinging slats into pressing relation with the other slats and also to supplement the normal seat area.

1,508,844. SNOW GUARD. GEORGE B. GEISER, Philadelphia, Pa., assignor to Berger Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 24, 1924. Serial No. 708,627. 4 Claims. (Cl. 108—27.)



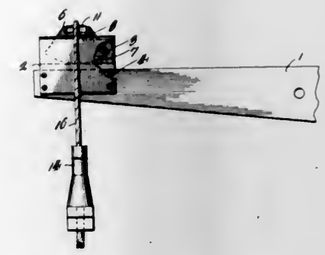
3. A snow guard comprising a base member, a stop member secured to the base, and a brace member extended between said base member, and said stop, all of said members being formed from a single length of material.

1,508,845. COUPLING FOR SUCKER RODS. WALTER D. GILES, Leesville, La. Filed June 4, 1923. Serial No. 643,474. 3 Claims. (Cl. 255—29.)



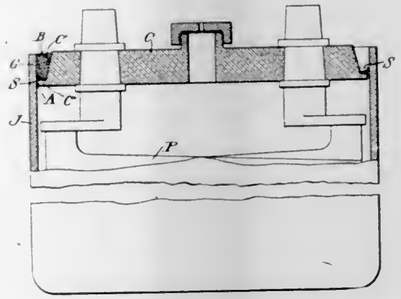
1. A coupling of the class described including a socket, a stud threaded in the socket, a head on the stud, arms pivoted to the head and provided with hook extensions for engaging the socket, and rollers mounted on the arms.

1,508,846. ATTACHMENT FOR WALKING BEAMS. WALTER D. GILES, Leesville, La. Filed June 4, 1923. Serial No. 643,475. 6 Claims. (Cl. 74—5.)



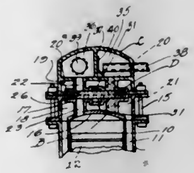
1. An attachment of the class described including a block, a rocker mounted on the block, and a roller journaled in the rocker.

1,508,847. COVER SEAL FOR STORAGE BATTERIES. HELEN C. GILLETTE, Elmhurst, N. Y., assignor to The Prest-O-Lite Co. Inc., a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,736. 9 Claims. (Cl. 204—29.)



3. In a storage battery, the combination of a jar, a cover fitting into and substantially closing said jar, and means for sealing the joint between said cover and jar comprising congealed asphaltic sealing compound in strip form bridging the joint between said cover and jar, and additional asphaltic sealing compound united to the sealing compound comprising said strip and covering the same and adjoining parts of said jar and said cover.

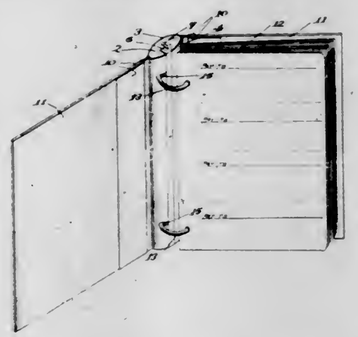
1,508,848. INTERNAL-COMBUSTION ENGINE. HARRY CLARENCE HANSON, St. Paul, Minn. Filed Nov. 11, 1920. Serial No. 423,248. 1 Claim. (Cl. 123—59.)



An internal combustion engine having a plurality of jacketed cylinders, a cap piece providing a cylinder head for the cylinders and formed with lower valve seat portions therein, one for each cylinder, a manifold casing covering said cap piece, said casing being formed at its

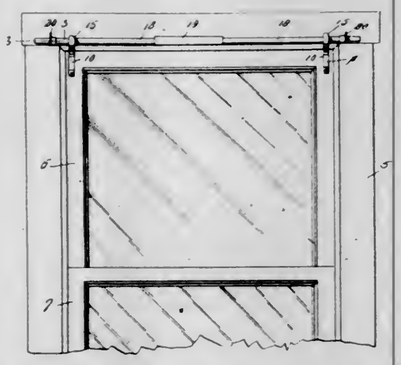
under side with upper valve seat portions, one for each cylinder, and at its upper side with an intake and an exhaust compartment, each common to all of said cylinders, meshing disc valves mounted to turn within the seats formed by said valve seat portions, said cap piece and casing having ingress and egress ports therein, intermittently closed by said valves, and respectively bringing said cylinders into communication with said intake and exhaust compartments, the cap piece and casing being formed with jackets for a cooling medium, the same communicating with each other, and with the jackets of the cylinders, said jackets being arranged to segregate the valves from the cylinders and from said compartments to cool said valves from both sides at the centers and at the margins thereof.

1,508,849. LOOSE-LEAF BINDER. HENRY M. KEHN, Los Angeles, Calif. Filed Oct. 12, 1922. Serial No. 593,977. 4 Claims. (Cl. 129—23.)



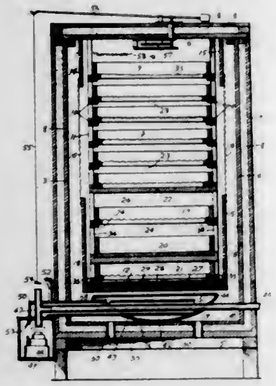
1. A loose leaf binder comprising a back-bone having a rounded outer face and a rounded inner face and having a longitudinally extending dovetail slot in its inner face and having transverse bow seats in its inner face, bows mounted in the bow seats, one end of each bow extending under the dove-tail slot, and a dovetail key slidingly mounted in the slot to hold the bows in place.

1,508,850. COMBINED SHADE AND CURTAIN HOLDER. HIRAM M. LINDSAY, Chickasha, Okla. Filed Apr. 24, 1923. Serial No. 634,241. 1 Claim. (Cl. 156—24.)



A combined window shade and curtain pole holder comprising spaced metallic strips secured together at a point between the ends and provided beyond the point where they are secured with angularly disposed extremities adapted to be applied to a window frame, other strips located between the spaced portions of the first mentioned strip and provided with longitudinally disposed slots, the securing bolt passing through spaced portions of the first mentioned strip and passing through the slots, the last mentioned strips having vertically disposed parallel end portions which are spaced from each other, a curtain pole disposed in the space between the vertically disposed portion of the last mentioned strip and shade roller hangers mounted upon the curtain pole.

1,508,851. METHOD OF ARTIFICIALLY INCUBATING EGGS. FREDERICK LEONARD MOLL, Turramurra, near Sydney, New South Wales, Australia. Original application filed Oct. 8, 1919, Serial No. 329,343. Divided and this application filed Sept. 15, 1920. Serial No. 410,494. 3 Claims. (Cl. 119—42.)

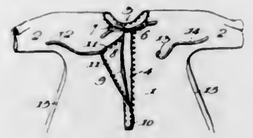


1. An improved method of artificially incubating eggs in an incubating chamber to which artificial heat and atmospheric air are supplied, from which waste gases and vapors are discharged, and wherein heated atmospheric air is distributed by natural draft to separate fixed primary and secondary zones so that the primary zone will receive air of greater temperature than the other zones which receive air of lower temperature in descending order but not by carrying the units of heat from eggs in a more advanced stage of incubation to those in a less advanced stage, said method consisting in subjecting a batch of eggs to heated atmospheric air in the primary zone of said chamber, wherein said eggs are partly incubated; removing said eggs from said chamber and replacing them in a secondary zone in said chamber and simultaneously adding to said primary zone another batch of eggs; subjecting said latter eggs to heated atmospheric air until they are partly incubated whilst said eggs in the secondary zone are undergoing further incubation with heated atmospheric air of lower temperature; removing said eggs from said chamber and replacing them in other zones in said chamber to those previously occupied by them and simultaneously adding to each zone rendered vacant by such removal a batch of eggs, and continuing said removal and replacement and addition of other batches of eggs.

1,508,852. BABY'S NIGHTGOWN. SAMUEL M. MOSES, Portland, Oreg. Filed Sept. 15, 1921. Serial No. 500,759. 1 Claim. (Cl. 2—114.)

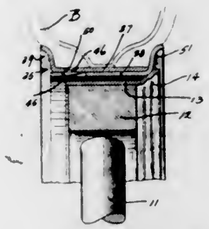
An infant's garment comprising a front and a back and sleeves all in one piece and including a neck opening, the said garment front being slit from the neck opening a predetermined distance downwardly, a triangular flap sewed to the garment adjacent one border of the slit thereof and extending the full length of the said slit and

being adapted for extending over the said slit, the free portion of said flap substantially constituting a right angle, tie tapes fastened one to each of the two neck points formed by the slit and adapted to be tied to close the top of said slit, a tie tape secured to the point formed by the substantially right angled flap portion,



and a tie tape secured to the body of garment at a point adjacent the slit and on the side opposite that to which the flap is sewed, the latter tie tapes being adapted to be tied to close the slit throughout its length, the said flap extending from that edge of the garment to which it is sewed across below the slit and being sewed at this place to the garment.

1,508,853. DEMOUNTABLE RIM. JOHN N. MCQUEEN, Preston, Idaho. Filed Nov. 10, 1922. Serial No. 600,131. 4 Claims. (Cl. 301—11.)



1. As an article of manufacture, a demountable tire rim section having apertures extending radially therethrough for receiving locking lugs of a second rim section and being slotted transversely inwardly from a circumferential edge of the same adjacent said apertures to permit radial flexing of the apertured portion of the rim section.

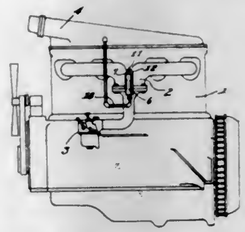
1,508,854. DETACHABLE CHAIN. JESMOND T. NICHOLSON, Wilkes-Barre, Pa. Filed Jan. 17, 1924. Serial No. 686,833. 2 Claims. (Cl. 74—32.)



1. A detachable chain comprising a single center link; a pair of side links spaced apart by said center link; a connecting pin for said links rotatable in each of said links; and a plurality of projections formed integrally on said center link, shaped to overlap the ends of said side links and comprising the sole means for retaining said side links on said pin in the operation of the chain.

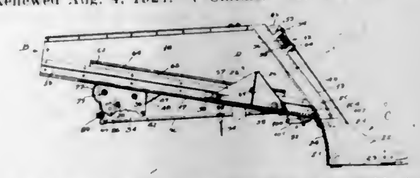
1,508,855. HUMIDIFIER. GEORGE F. OISTER, Canton, Ohio, assignor of one-half to Ira W. Royer, Canton, Ohio. Filed May 8, 1920. Serial No. 379,733. 1 Claim. (Cl. 123—25.)

In a humidifying device adapted for attachment to an internal combustion engine comprising a cylindrical casing closed at its upper end and open at its lower end to admit air and provided with an outlet in the upper portion, an annular shoulder in the lower end of the cylinder forming a valve seat, a water inlet pipe attachable to the water cooling system of the engine extended into the open end of the cylinder concentric with the valve seat, a valve stem slidably mounted through the upper end of the cylinder and provided with a tapered



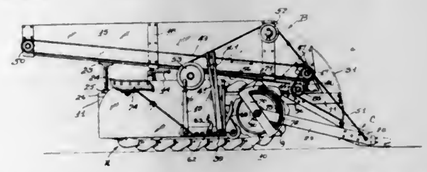
lower end arranged to normally seat in the end of the water pipe, a hollow conical air valve mounted upon the valve stem, the edge of said conical valve being arranged to normally seat upon the shoulder, and a coil spring encircling said valve stem between the upper closed end of the cylinder and the conical valve to normally close the air and water valves.

1,508,856. LOADER. ERNEST CHESLEY PRATT, Minneapolis, Minn. Filed Oct. 1, 1921. Serial No. 504,344. Renewed Aug. 4, 1924. 7 Claims. (Cl. 214—89.)



1. In a device of the class described, a portable hopper, a shovel adapted to discharge loads into the forward end thereof, a distributing and ejecting carrier shiftable back and forth between the forward and rear ends of said hopper, a source of power including a power shaft, a clutch shaft connected with and adapted to reciprocate the carrier, a pair of clutch sets on the clutch shaft having oppositely rotatable driving members geared with the power shaft and connected driven members slidable oppositely on said clutch shaft, a spring to engage the members of one clutch set, whereby the carrier is moved forward in the hopper, means controlled by an operator for disengaging said clutch set and engaging the second clutch set against the action of said spring, whereby the carrier is shifted toward the rear of the hopper, and a stop, engageable by the carrier at its foremost limit, said stop being adapted to disengage the first clutch set against the action of said spring without engaging the second clutch set.

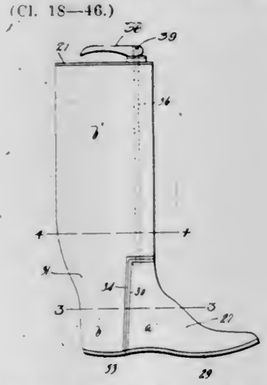
1,508,857. LOADER. ERNEST C. PRATT, Minneapolis, Minn. Filed Sept. 30, 1922. Serial No. 591,440. 6 Claims. (Cl. 214—90.)



1. In a loader of the class described, a truck, a conveyor on the truck for receiving, temporarily storing and discharging material, a shovel for picking up loads and discharging the same on said conveyor, a source of

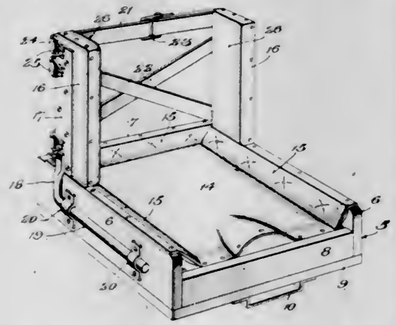
power for propelling the truck, operating the shovel and driving the conveyor and means for automatically causing said conveyor to advance when the shovel is positioned to empty its contents, whereby material falling from the shovel is spread upon said conveyor.

1,508,858. HOLLOW METAL LAST. WILLIAM SANDBORG, Belmont, and ERNEST V. GRANLUND, Boston, Mass. Filed Mar. 13, 1923. Serial No. 624,836. 2 Claims. (Cl. 18—46.)



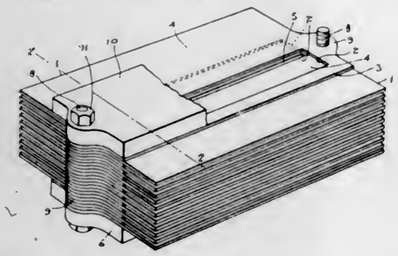
1. A hollow last comprising a fore part section, composed of body members, a bottom member, and an angular rear end member, said members being of sheet metal and united to form a closed hollow structure, the angular rear end member having upper and lower portions meeting to form a salient angle; a rear section composed of body members, a top member, a bottom member, and an angular forward end member, said members being also of sheet metal and united to form a closed hollow structure, the body members being extended to form a leg portion surmounted by the top member, the angular forward end member having upper and lower portions meeting to form a reentrant angle, so that the forward end member is adapted to be seated on the rear end member, the said end members being provided with offset portions forming a tongue-and-groove connection between the two last sections; and securing means for releasably securing the fore part section to the rear section, said means cooperating with said angular end members and with the tongue-and-groove connection therebetween in confining the fore part section against displacement in any direction.

1,508,859. CUSHION SEAT. PETER J. SCHOENHOFF, Plains, Kans. Filed Feb. 16, 1923. Serial No. 619,437. 3 Claims. (Cl. 155—164.)



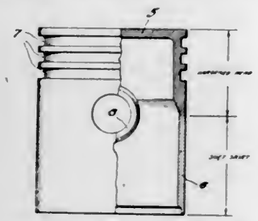
1. In a seat structure, the combination with a supporting seat, of a pair of upwardly extending side arms respectively connected to said seat to swing outwardly about horizontal pivots, a yieldable back, for said seat connected to said side arms, and an elastic connection between said side arms constituting both a yieldable back for the seat and means for permitting outward swinging movement of either side arm relative to the other.

1,508,860. RADIATOR. ALEXANDER T. STUART, Detroit, Mich. Filed Aug. 22, 1921. Serial No. 494,063. 4 Claims. (Cl. 257—139.)



3. A radiator, comprising, a plurality of thin flat plates of metal each being perforated longitudinally, a base formed with a channel therein, said plates being placed upon said base with the longitudinal perforations in overlapping register and the plates projecting alternately on either side of the base, and a cap having a longitudinal channel adapted to communicate with the zig-zag passage formed by the perforations in the series of plates arranged between the base and the cap.

1,508,861. PISTON. ALEX TAUB, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 8, 1922. Serial No. 542,038. 5 Claims. (Cl. 74—108.)



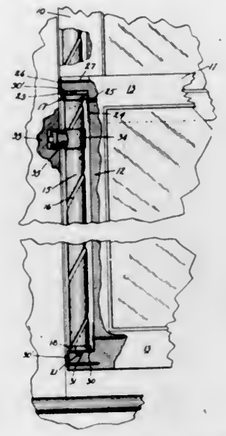
1. A piston formed in one piece from metal softer than cast iron and having the head portion harder than the skirt portion.

1,508,862. ART OF PREPARING LEGUMES OR SEEDS OF THE BEAN FAMILY BY LOW-TEMPERATURE COOKING. CHARLES B. TRESCOTT, Chicago, Ill. Filed Mar. 29, 1923. Serial No. 628,510. 2 Claims. (Cl. 99—11.)

1. The process of preparing for consumption legumes or seeds of the bean family, in moist condition, by cooking them at a temperature below the boiling point of water, thereby extracting therefrom into the cooking water their contained flavor and nutritive properties, thereupon heating them at said temperature in the extract-containing water and meanwhile exhausting the resultant water-vapors, for the purpose set forth.

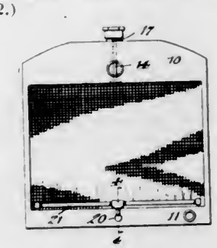
1,508,863. SASH BALANCE. GEORGE C. WEBSTER, Los Angeles, Calif. Filed Oct. 21, 1922. Serial No. 595,948. 6 Claims. (Cl. 16—197.)

1. A yielding sash counterbalance comprising upper and lower brackets, a roller adapted to be countersunk in a stile of a window sash, a spindle extending through the roller and adapted to be mounted and held against rotation in said brackets, a spring surrounding said spindle and secured thereto and inclosed in said roller, and being attached at one end thereto, and a ball and race device attachable to a contiguous member of the



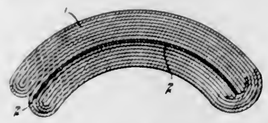
window frame for supporting a ball engaging and causing the roller to rotate during movement of the sash and thereby vary the reaction of the spring.

1,508,864. MEANS FOR THAWING AUTOMOBILE RADIATORS. GUY WHITE, North Tonawanda, N. Y. Filed Jan. 2, 1923. Serial No. 610,397. 2 Claims. (Cl. 137—72.)



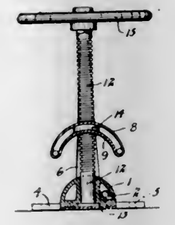
1. The combination with a radiator for automobiles having an upper header, a lower header and a water passage connecting said headers, of a steam conduit applied to the lower end of said water passage and extending through a wall of said lower header, the exterior portion of said conduit extending across the radiator and having discharge openings for directing the steam against the same.

1,508,865. WIPER CLOTH FOR PIPE JOINTS. GEORGE E. WILLIAMS, Minneapolis, Minn. Filed Apr. 23, 1923. Serial No. 634,200. 7 Claims. (Cl. 113—111.)



1. A wiper cloth for wiping joints comprising a sheet of cloth folded into a plurality of plies and having a sheet of asbestos between two plies thereof which are adjacent the center of the folded cloth, said cloth being given a permanent curve of substantially semi-cylindrical form.

1,508,866. STEAM-HEATED PRESS FOR SHAPING WIPER CLOTHS. GEORGE E. WILLIAMS, Minneapolis, Minn. Filed Apr. 23, 1923. Serial No. 634,201. 2 Claims. (Cl. 34—16.)



1. A device for shaping wiper cloths comprising an elongated form substantially semi-cylindrical in cross section and having a convex upper surface and a flat base member at each end thereof adapted to be attached to a support, standards rising vertically from said base members having vertical ribs projecting therefrom, said form having a hub at its central portion provided with a central bore having an enlarged lower portion, a screw journaled in said bore having a head seated in said enlarged portion thereof, a plate secured to the bottom of said hub holding said screw in place, said screw having a hand wheel at its top, an elongated form disposed above said form having a concave lower surface adapted to fit over said first mentioned form and having lugs at each end embracing and slidable on said ribs, said last mentioned form having a central hub forming a nut in which said screw travels, and means for supplying steam to said form.

1,508,867. CONTAINER FOR WIPER CLOTHS. GEORGE E. WILLIAMS, Minneapolis, Minn. Filed Apr. 23, 1923. Serial No. 634,202. 3 Claims. (Cl. 206—1.)

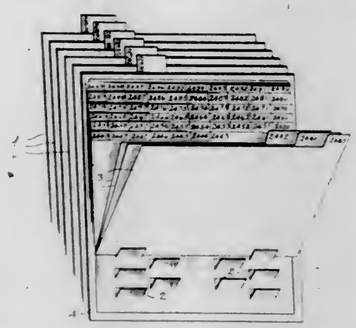


1. A container adapted to receive and retain in shape curved wiper cloths and comprising plane end walls, parallel semi-cylindrical front and rear walls shaped to correspond to the curvature of said cloths, said rear wall having plane end portions a bottom member and a cover for said container hinged about an axis extending at right angles to said end walls.

1,508,868. FILING SYSTEM. RODNEY J. WOOD, Dayton, Ohio. Filed Feb. 7, 1921. Serial No. 443,210. 13 Claims. (Cl. 129—16.5.)

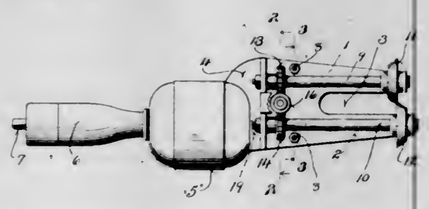
1. A card index embodying a plurality of independent data sheets, a support card common to a plurality of

such data sheets and a plurality of spaced tongues carried by the support card and projecting from the



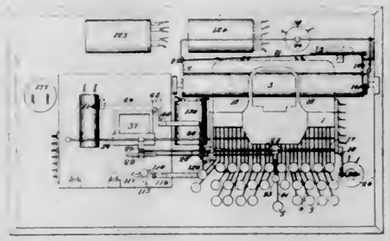
face thereof upon which the data sheets loosely rest in overlapping relation for to and fro oscillatory movement independent of the support.

1,508,869. CUTTER. ANDREW ASTRUP, Racine, Wis., assignor of one-half to Sylvester E. McKee, Racine, Wis. Filed May 17, 1923. Serial No. 639,475. 2 Claims. (Cl. 164—77.)



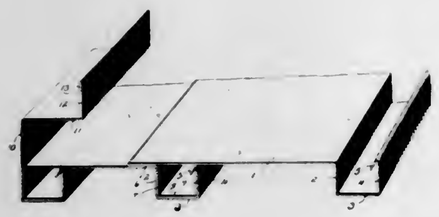
1. A portable power driven machine for cutting sheet material comprising a frame, an electric motor secured thereto, a pair of parallel shafts carried by said frame, co-operating rotary shear cutters carried by the outer ends of said shafts, a pair of worm wheels spaced from each other and carried by the inner ends of said shafts, and a worm operatively coupled to said motor shaft and positioned between said worm wheels and in driving relation thereto.

1,508,870. ELECTRICALLY-OPERATED TELEGRAPHIC TYPEWRITING SYSTEM. ORIN BENNETT, San Francisco, Calif., assignor to Pacific Coast Typewriter Co., San Francisco, Calif., a Corporation of California. Filed May 27, 1922. Serial No. 564,013. 6 Claims. (Cl. 178—23.)



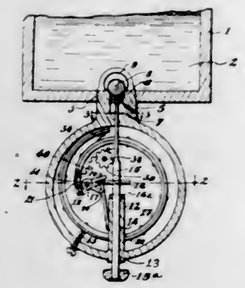
1. A telegraphic typewriting system including a sending and a receiving typewriter, each provided with a key board and a printing mechanism, electrically actuated mechanism connecting said typewriters, whereby the depression of a key of the sending typewriter causes the operation of the printing mechanism of the receiving typewriter, which latter operation subsequently causes the operation of the printing mechanism of the sending typewriter, and switches within said electrical mechanism for changing said sending typewriter to a receiving typewriter and vice versa.

1,508,871. SHEET-METAL BUILDING. HENRY BLOEDOW, Shorewood, Wis. Filed Apr. 24, 1923. Serial No. 634,209. 1 Claim. (Cl. 189—85.)



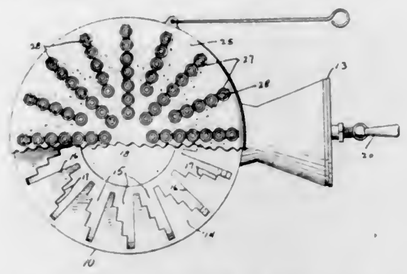
A panel for a sheet metal building comprising a body portion having at one edge an inwardly opening channel having an outer wall provided with an inturned lip, a portion folded against the outer side of the body portion, and a second inwardly opening channel formed of a continuation of the folded portion and having an outer wall terminating adjacent, and slightly spaced from, said body portion, said folded portion preventing the outward turning of successive inter-engaged panels.

1,508,872. THERMOSTATIC CONTROL. GEORGE A. BONELLI, Kingman, Ariz. Filed Nov. 11, 1920. Serial No. 423,473. 11 Claims. (Cl. 137—34.3.)



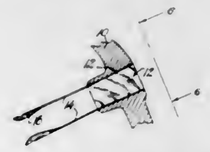
8. A thermostatic control comprising a thermal-responsive element provided with a slot, a movable member including an extension engaging within the slot to effect movement of the movable member upon expansion or contraction of said element, spaced fingers formed on the movable member, an operating member, a projection on the operating member adapted to be engaged by either of the fingers of the movable member for actuating the operating member, a projection on the movable member, and a yieldable member supported independently of the movable member and engaging the last mentioned projection for the purpose described.

1,508,873. REGULATING BURNER CAP. HENRY C. CALDWELL, Buffalo, N. Y. Filed Aug. 31, 1922. Serial No. 585,402. 3 Claims. (Cl. 158—117.)



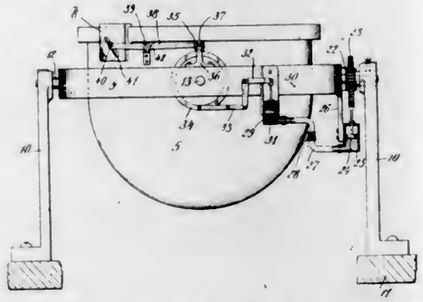
1. A gas burner comprising a base portion, and a muffle, the base portion being formed with a flat top and provided with radially arranged recesses, each recess being of varying width, whereby a number of passageways in the muffle may be closed by the oscillation thereof.

1,508,874. HAMMER AND HANDLE ASSEMBLY. HANS CHRISTENSEN, Golden, Colo. Filed Nov. 29, 1921. Serial No. 518,534. 2 Claims. (Cl. 306—32.)



1. In combination, a hammer head having a socket tapering from its outer face inwardly whose front and rear walls extend transversely of the length of the head, a handle positioned in said socket having its socket end tapered as is said socket, and separate retaining straps positioned between said front and rear walls and the front and rear sides of said handle, the outer ends of said straps having means for positively engaging said head and terminating within the outlines of the outer face of said head, said straps having means for positively engaging said handle the grip portion of the handle being too large to pass through said socket.

1,508,875. COMPASS. ARTHUR P. DAVIS, Brooklyn, N. Y. Filed Mar. 18, 1919. Serial No. 283,382. 7 Claims. (Cl. 33—222.)



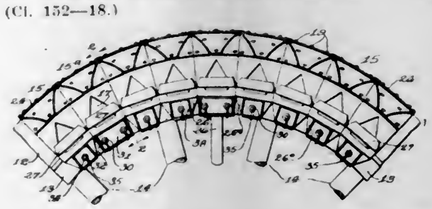
1. The combination of a compass, a support, a universal mounting between the support and compass whereby the compass does not partake of the rolling and pitching motion of the support, a movable member associated with said compass and bearing the reference line therefor, and means controlled by the relative movement of the universal mounting, compass and support, to displace said member in accordance with combined rolling and pitching motions of said support.

1,508,876. COMBINED ILLUMINATING AND TIME-INDICATING MEANS. CHARLES E. DRESSLER, New York, N. Y., assignor to Carlotta M. Dressler, New York, N. Y. Filed Oct. 18, 1920. Serial No. 417,697. Renewed Mar. 19, 1924. 9 Claims. (Cl. 58—50.)



1. In a combined illuminating and time indicating means, the combination of a portable stand having a bifurcation at the extremity, a casing carrying a clock movement adjustably mounted in said bifurcation, a globe having circularly arranged time indications operatively connected to and suspended from a rotatable member of the clock movement, and an illuminating device for said globe.

1,508,877. TIRE ARMOR. PREDA A. EFTOFIE, Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,499. 1 Claim. (Cl. 152—18.)

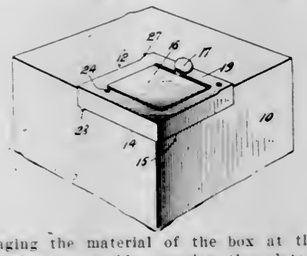


A protector for tires consisting of a plurality of arcuate metal sections or bands located in juxtaposition on the tread portion of a tire embracing the same with their free ends disposed inwardly near the sides of the wheel felly and each having an opening therein, a plurality of reinforcing plates mounted on the tread portion of each of said sections or bands and having outwardly extended projections to create resistance against the road surface, and an outwardly extended member secured to each side of said felly and interlockingly engaging each of said sections for radial movement of the later.

1,508,878. ATTACHABLE AND REMOVABLE CAP FOR MERCHANDISE CONTAINERS. WILLIAM A. EVALENKO, New York, N. Y. Filed Oct. 14, 1921. Serial No. 507,712. 3 Claims. (Cl. 229—7.)

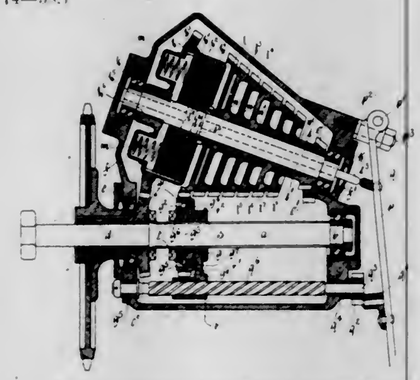
1. In combination with a pasteboard box of the character described having sides and a fixed top and in which top at a convenient location for pouring from the box is formed a discharge hole, leaving the other portion of the top intact and rigid with said sides, an attachable and

removable cap applied against said top over and surrounding said hole comprising a plate having an opening therein aligned with said hole, a lid on and carried by said plate normally closing the opening therein and the hole in said top, and clamping members carried by said plate and extending downwardly through said hole



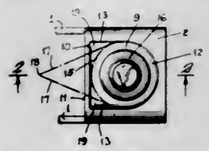
for engaging the material of the box at the sides of said hole and removably securing the plate stationary on said top, one of said clamping members being a lip integral with said plate and bent outwardly from said opening and below the plate and to be slipped below the material of the box-top and bind the same against said plate.

1,508,879. VARIABLE VELOCITY-RATIO GEARING. FRANCIS JEREMIAH HEALEY, London, England. Filed Oct. 18, 1923. Serial No. 669,210. 3 Claims. (Cl. 74—58.)



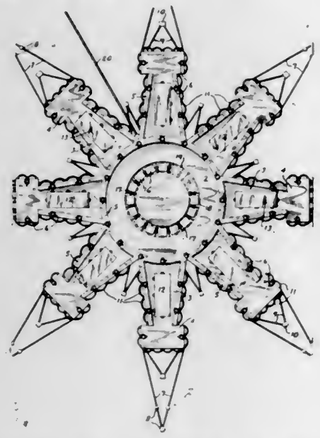
1. In variable velocity ratio gearing having a plurality of toothed wheels the external peripheries of which are disposed in the surface of a cone, a shaft parallel with the surface of said cone and a displaceable toothed wheel on said shaft for engaging with one or other of the toothed wheels in said plurality, in combination, dog teeth on each of the toothed wheels in said plurality to enable each of said wheels to engage with an adjacent wheel, a spring for maintaining the dog teeth on the several wheels in engagement and means for disengaging said dog teeth.

1,508,880. CASTER. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 28, 1924. Serial No. 709,343. 5 Claims. (Cl. 16—31.)



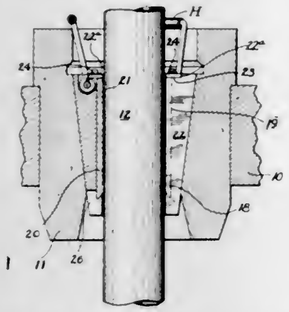
1. In a caster, a horn having a transverse top portion and fowardly and downwardly extending arms, said top portion having an upwardly-extending reinforcement of substantially D shape, with the base thereof adjacent and parallel to the front edge of said top portion, said reinforcement having a pintle opening therethrough.

1,508,881. LIFE RAFT. HARRIETTE E. HODGSON, New York, N. Y. Filed May 9, 1923. Serial No. 637,632. 6 Claims. (Cl. 9—8.)



1. A life-buoy or raft, comprising a firm buoyant island body, with integral radiating arms of like capability for support with the body, substantially as described.

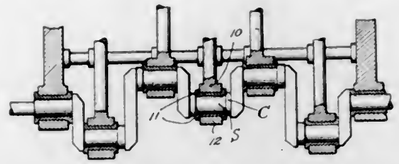
1,508,882. ROTARY-DRILL PIPE SLIP. CHESTER C. HOSMER, Huntington Beach, and CARLETON H. WINES, Whittier, Calif. Filed Jan. 19, 1923. Serial No. 613,616. 10 Claims. (Cl. 24—263.)



1. In a pipe slip, a segment adapted to cooperate with a rotating table and provided with a longitudinal channel adapted to retain a liner against outward displacement therefrom said liner being of substantially uniform thickness and engaged at its edges by the sides forming the channel.

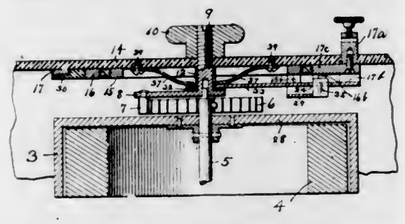
1,508,883. ADJUSTABLE THRUST BEARING. LOUIS T. HUNTER, Chappaqua, N. Y. Filed Feb. 20, 1924. Serial No. 693,981. 2 Claims. (Cl. 64—55.)

1. In a thrust bearing, the combination of a relatively fixed bearing member, a cap cooperating with said member, clamping means including a bolt securing initially said cap and member in definite alignment transversely of the axis of the bearing, said cap being so formed as to provide endwise bodily adjustment of the cap as a unit with respect to the bearing member and bolt, and take-up means including a filler member extending in substantially parallel relation to said bolt and having direct bearing relation between said bolt and said bearing for varying the lateral adjustment of the bolt to the bearing



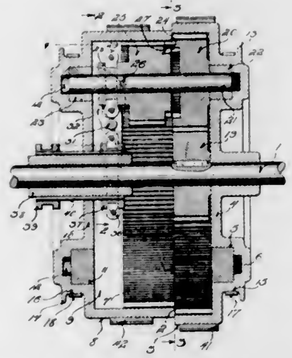
so as to hold said bolt as adjusted, said bolt co-operating with said cap to hold the same from endwise movement when in fixed adjustment.

1,508,884. SIGNALING DEVICE. GEORGE JACOBS, Detroit, Mich. Filed Jan. 15, 1921. Serial No. 437,518. 6 Claims. (Cl. 175—355.)



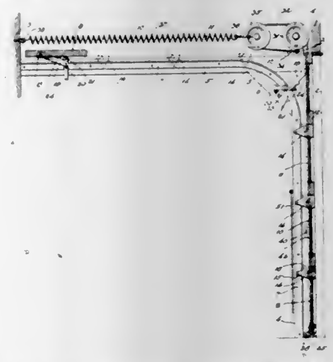
1. In a signaling device for vehicles, the combination of a support, a series of contacts arranged thereon insulated from each other, a movable contact adapted to move over said series of contacts according to the speed of the vehicle, said movable contact embodying a driving part connected to a current source and a driven part adapted to engage the series of contacts, one of said parts having a pair of stops adapted to be engaged by the other part, one of said stops providing electrical connection between said parts and the other being an insulator, so that current will pass to the series of contacts when the driving part moves the driven part in one direction.

1,508,885. REDUCTION TRANSMISSION. WINFIELD SCOTT JENNINGS, Antigo, Wis. Filed Jan. 14, 1924. Serial No. 686,129. 3 Claims. (Cl. 74—34.)



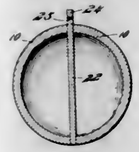
1. A reduction transmission comprising a driving shaft, a pair of internal gears carried thereby, a pinion keyed to said driving shaft, and a pair of pinions carried by a shaft having its axis paralleling the driving shaft, said pinions being adapted for mutual inter-locking engagement, one of said pinions meshing with one of said internal gears and with the pinion carried by said driving shaft, the other of said pinions meshing with the other of said internal gears, means for holding either of said internal gears temporarily stationary, and means for moving said mutually engageable pinions into and out of inter-locking engagement.

1,508,886. OVERHEAD DOOR. OWEN L. DAUTRICK, CLARENCE G. JOHNSON, and ARTHUR KRASKA, Detroit, Mich., assignors to Dautrick Johnson Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 16, 1922. Serial No. 594,725. 6 Claims. (Cl. 20—20.)



1. A door installation for a building having a doorway, comprising inverted L-shaped side units adapted to be mounted at the sides of the building doorway, each unit including a horizontal member longer than the height of the door-way, rails carried by the confronting sides of said units, a sectional foldable door slidable on said rails and adapted to close said doorway and when open occupy a horizontal overhead position above the horizontal plane of the horizontal members of said units, and a counterbalance for said door extending above and along the horizontal member of each unit.

1,508,887. BEAD FOR JEWELRY. HENRY F. JUERGENS, Providence, R. I. Filed July 24, 1922. Serial No. 576,989. 3 Claims. (Cl. 63—32.)

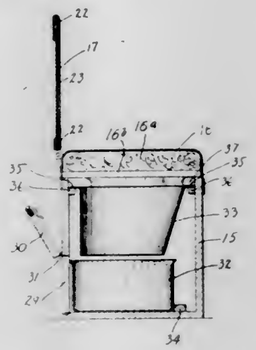


3. As an improved article of manufacture, an ornamental bead designed for jewelry and comprising two opposed substantially hemispherical cups and a substantially circular disk having a diameter substantially equal to the maximum diameter of each of the cups, said disk being interposed between the flat edge faces of the cups with the peripheries of the disk and cups coinciding to form with said cups a continuous surface, the adjacent faces of the disk and cups being adhesively united, said bead having means for its suspension.

1,508,888. AUXILIARY SEAT FOR AUTOMOBILES. ALBERT H. KLATT, Los Angeles, Calif. Filed Sept. 8, 1922. Serial No. 586,831. 3 Claims. (Cl. 4—135.)

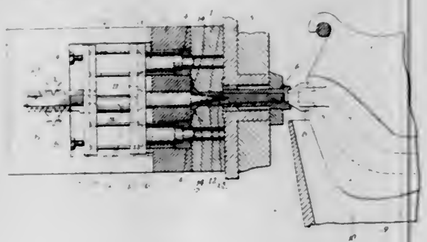
1. In combination, a receptacle having an open top and an opening in one side thereof, a door controlling said opening, a receptacle within the first receptacle, a rib

within the receptacle adjacent the open top thereof, a spout including a flange engaging said rib, a seat member engaging said flange and supported on said rib, and



a seat including a seat portion hingedly sustained upon the first receptacle and normally closing the top of said receptacle and a back portion hingedly supported upon the seat portion.

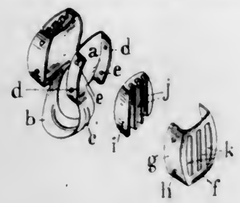
1,508,889. METHOD OF AND APPARATUS FOR MAKING CASTINGS. JOHN KENNEDY and CLARENCE H. DUCKWORTH, Brooklyn, N. Y., and MARCUS STERN, Toledo, Ohio, assignors to Doehler Die Casting Company, Brooklyn, N. Y., a Corporation of New York. Filed June 18, 1920. Serial No. 389,821. 12 Claims. (Cl. 22—209.)



6. In casting apparatus, the combination of a mold having two separable sections defining a mold cavity and a gate opening in one of said sections, and a metallic pin mounted on the other section and adapted when said sections are together to extend centrally into said opening and to provide a core for metal remaining in said opening to shrink upon when cooling, so as to prevent the metal in said opening from so adhering to the walls of said opening as to become broken from a casting in said cavity when the sections are separated, said pin having a roughened surface to effect a more positive adhesion of cooling gate-metal thereto.

1,508,890. NASAL INHALER. MARCEL ANDRÉ LASSIAUX, Paris, France. Filed Nov. 26, 1923. Serial No. 676,895. 1 Claim. (Cl. 128—198.)

A nasal inhaler comprising a clip made of resilient metal adapted to embrace the median wall of the nose, a reinforcing rib on this clip,—two cups with convex edges, open at their lower and upper parts and formed on the two ends of the clip, two noncombustible discs impregnated with volatilizable medicine, having the same shape as that of the cups and fitting in the latter,—two covers with convex or bulged edges, closing the cups, said covers leaving the cups open at their base and at their top part and providing a certain interval between their inner face and the outer face of the discs,—means for securing these covers,—longitudinal grooves or flutes in the discs



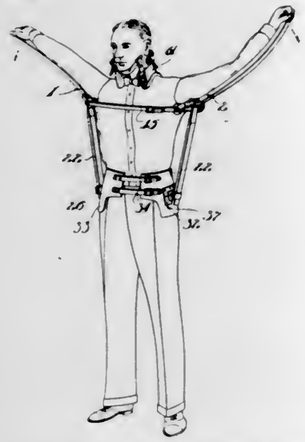
for increasing the surface of evaporation of the discs and facilitating the passage of the air,—and longitudinal openings in the covers for permitting the easy passage of the air and the cleaning of the discs.

1,508,891. COLLAR-FASTENING CLIP. SAMUEL B. LAVICK, Chicago, Ill., assignor to Comfort Collar Clip Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 21, 1921. Serial No. 454,005. 1 Claim. (Cl. 24—101.)



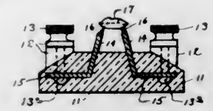
A one-piece sheet-metal clip for fastening a collar to a two-fold shirt-band, comprising a vertically disposed transverse body portion with arms at the ends thereof extending straight downwardly, a central downwardly and rearwardly extending collar attaching tongue to pass rearwardly through the collar button hole, and a hook elongation of the tongue shaped substantially like a sector of a ribbon helix but formed so as to lie substantially flat against the collar and permit sliding of the tie over the hook.

1,508,892. EXERCISING AND SPINE-STRETCHING APPARATUS. MARIAN MIKÄLSEN, San Pedro, Calif. Filed Jan. 15, 1924. Serial No. 686,255. 7 Claims. (Cl. 46—69.)



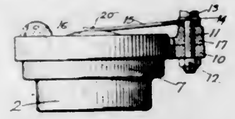
1. An exercising and spine-stretching apparatus comprising arm levers, fulcrums for supporting the arm levers, body harness for supporting the fulcrums, and a shoulder and head harness for raising the head when the shoulders are raised.

1,508,893. CRYSTAL DETECTOR FOR RADIORECEPTION. FREDERICK G. MITCHELL, Ridgefield Park, N. J. Filed June 24, 1922. Serial No. 570,533. 2 Claims. (Cl. 250—31.)



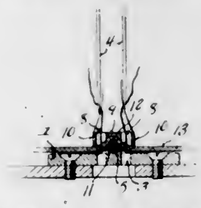
1. In a crystal detector for radio reception a base and a pair of plates connected thereto, each of said plates being in electrical connection with a radio circuit, and said plates having a pair of serrated edges situated opposite each other, combined with a crystal placed in contact with the serrations, of said edges, thereby completing the circuit.

1,508,894. TANK CAP. DONALD R. MORRISON, Los Angeles, Calif. Filed May 16, 1922. Serial No. 561,360. Renewed July 5, 1924. 5 Claims. (Cl. 220—24.)



1. A filling cap device for receptacles, comprising a collar adapted to be secured to the filling nipple or mouth of the receptacle and having an overhanging flange, and a cap member movably connected to said collar and closable against and under said flange.

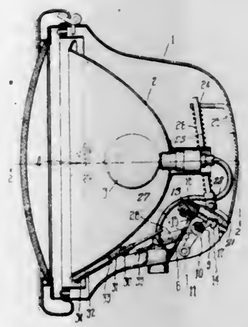
1,508,895. EMBOSSED-STITCHING ATTACHMENT. HENRY L. PATZER, Milwaukee, Wis. Filed Apr. 24, 1923. Serial No. 634,294. 2 Claims. (Cl. 112—139.)



1. In a sewing machine for forming an imitation moccasin seam, the combination of a pair of needles, a guide plate having a pair of parallel slots through which said needles work and having a grooved supporting portion intermediate said slots, said supporting portion being slightly recessed with respect to the upper surface of said guide plate said guide plate having a horizontal slot for guiding a tape across said supporting position, and over said parallel slots and having a cord guide above said horizontal slot and centrally thereof, and a presser recessed to permit the passage of the needles therethrough and having a concaved upwardly arched bottom portion ending in two parallel flanges adapted to contact with the work and force it downwardly on each side of said cord.

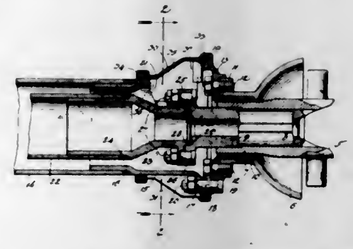
1,508,896. ADJUSTABLE MOUNTING FOR LAMPS. ERNEST W. SEAHOLM, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 14, 1919. Serial No. 337,988. 6 Claims. (Cl. 240—41.)

1. In a lamp mounting, a pivotally supported reflector, a rock shaft connected to the reflector to swing the same about its points of support, a lever fixed to said rock shaft to operate the same and having stop lugs, a stop device cooperating with said lugs to determine the



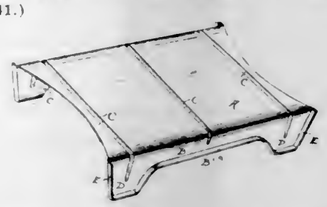
limits of movement of said reflector, and resilient means operative to retain the lugs in engagement with said stop device.

1,508,897. TORQUE-TUBE CONNECTION. ERNEST W. SEAHOLM and GUY E. PARKER, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 10, 1921. Serial No. 476,544. 8 Claims. (Cl. 180—85.)



1. In driving mechanism, the combination of a driving member, a shaft, means for securing said member to said shaft to rotate therewith, and a housing surrounding said parts and having an opening permitting access to and detachment of said securing means, the engaging portions of the parts being shaped to permit removal of said shaft laterally from said driving member upon removal of said securing means.

1,508,898. PLATFORM. FRANK H. SMITH, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 15, 1919. Serial No. 330,695. 1 Claim. (Cl. 248—41.)



A sheet metal platform comprising a top and sides, the intermediate portions of the sides being removed providing foot portions for the corners of the platform and outwardly extending flanges from the lower edges of said sides and foot portions.

1,508,899. COMPOSITION OF MATTER FOR USE IN LIEU OF LEATHER OR FOR OTHER SUITABLE PURPOSES AND METHOD OR PROCESS OF MANUFACTURING SAME. WILLIAM STOCKS, Fitzroy, Victoria, Australia. Filed Nov. 8, 1918. Serial No. 261,734. 8 Claims. (Cl. 18—52.)

1. A new article of manufacture, a composition of matter, comprising comminuted old or waste vulcanized rubber, virgin rubber, sulphur, white lead, castor oil, pontianac gum and dissolved resin, made by associating, blending, kneading and grinding said ingredients together substantially as described.

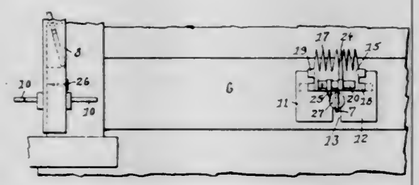
1,508,900. PROCESS FOR PRODUCING A COMPOSITION OF MATTER FOR USE IN LIEU OF RUBBER, LEATHER, OR FOR OTHER SUITABLE PURPOSES. WILLIAM STOCKS, Fitzroy, Victoria, Australia. Original application filed Nov. 8, 1918, Serial No. 261,734. Divided and this application filed Oct. 21, 1920. Serial No. 418,581. 8 Claims. (Cl. 18—52.)

1. The process of producing a new composition of matter, consisting of comminuting old or waste vulcanized rubber under heated conditions, blending virgin rubber therewith by mastication and the application of heat to form a plastic mass, and adding to the plastic mass during the masticating thereof white lead, castor oil, viscous gum and dissolved resin as and for the purpose set forth.

1,508,901. METHOD OF TREATING VULCANIZED RUBBER AND OF MIXING SAME, ETC. WILLIAM STOCKS, Miramar, near Wellington, New Zealand. Filed Oct. 21, 1920. Serial No. 418,562. 4 Claims. (Cl. 18—52.)

1. A new and improved method of treating vulcanized rubber consisting essentially in the simultaneous masticating and heating of vulcanized rubber at a temperature exceeding that at which the vulcanized rubber has previously been vulcanized by heavy revolving rollers in a heated condition, substantially as and for the purposes set forth.

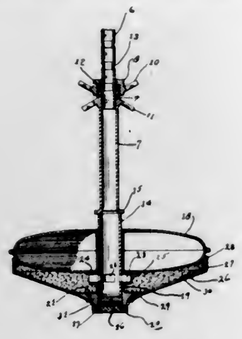
1,508,902. BIRD-GUARD AND ANTIBLIND RATTLER. CHARLES STOEFFLER, Providence, R. I. Filed June 6, 1923. Serial No. 643,679. 5 Claims. (Cl. 70—44.)



3. In a bird guard and antiblind rattler, a flat plate, a V-shaped member on the plate and having a plurality of pointed members, a spring arm on the V-shaped member and means for securing the plate in place, for the purpose as described.

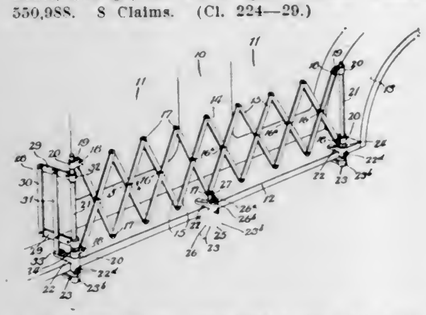
1,508,903. MILK-BOTTLING MACHINE. GUSTAV STRANDT, Milwaukee, Wis., assignor to Milwaukee Dairy Supply Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 14, 1922. Serial No. 552,746. 9 Claims. (Cl. 137—104.)

1. The combination with a tank, of an upright supply pipe therein closed at its bottom and provided with a lateral port, an annular slide valve guided upon said pipe and adjustable axially thereof to open and close said port, a float operatively connected with the valve, and a screen connected with said valve above and below said port and extending circumferentially about said valve and pipe with a portion projecting radially from



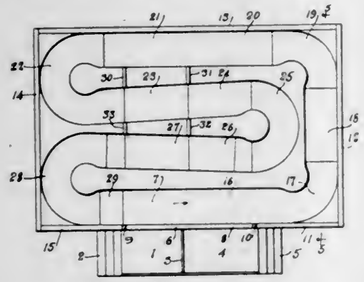
said valve, whereby to screen all material passing through said port while attaining an area adequate to ensure against its stoppage.

1,508,904. LUGGAGE CARRIER FOR AUTOMOBILES. ELON J. VAN FLEET, Joliet, Ill., assignor to William E. Pratt, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 550,988. 8 Claims. (Cl. 224—29.)



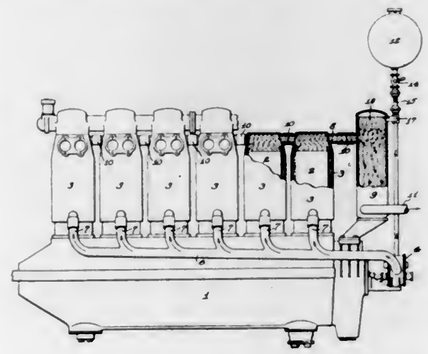
1. A luggage carrier comprising a side wall, a rod engaging said side wall, and a pair of jaws operated by said rod.

1,508,905. AMUSEMENT DEVICE. AUREL BASZIN, Dayton, Ohio. Filed Feb. 12, 1923, Serial No. 618,713. Renewed Aug. 11, 1924. 10 Claims. (Cl. 104—58.)



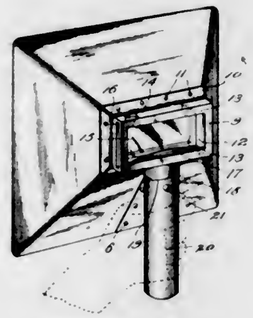
3. In an amusement device, a building, a track therein consisting of two U-shaped tracks having their free ends connected by semi-circular track portions, said track portions being adapted to support and guide a vehicle, a vehicle traveling thereon and means to supply the source of power for actuating said vehicle, said power means being associated with said track, and means associated with said track for alternately elevating and depressing portions of said track without making the track impassable to the vehicle.

1,508,906. METHOD AND MEANS OF PREVENTING SALT-WATER REACTION AND GALVANIC ACTION IN WATER-COOLED ENGINES. GARFIELD A. WOOD, Detroit, Mich. Filed June 29, 1922. Serial No. 571,846. 6 Claims. (Cl. 123—170.)



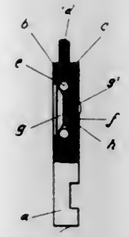
1. Means for rust proofing the walls of a water jacket about an engine cylinder in which jacket a corrosive agent is circulated for cylinder cooling purposes, said means comprising, in combination with a pump, a tank adapted to supply oil to the pump, and oil and water separating means communicating with the water jacket and adapted for discharging water and returning the oil to the pump.

1,508,907. WELDER'S FACE SHIELD. EDGAR L. WORK, Columbus, Ohio, assignor of one-third to Frank J. Williams, Columbus, Ohio. Filed June 22, 1920. Serial No. 390,934. 1 Claim. (Cl. 2—11.)



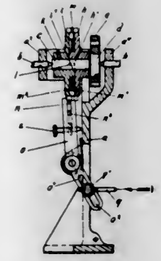
A method for producing welders' face shields which consists in utilizing a single piece blank of pliable material cutting the blank so as to provide a triangular slot and a central five sided opening, the sides of the opening corresponding in number with the side edges of the blank, folding the blank so that the side edges of the triangular slot are brought into parallel overlapping relationship and securing them at the overlapped points to hold the entire body in substantially pyramidal formation and with the side edges of the central opening in rigid angular relation.

1,508,908. TYPE-BAR BALL BEARING. GOTTLOB AICHELE, Nellingen, near Esslingen, Germany. Filed Jan. 23, 1924. Serial No. 687,902. 1 Claim. (Cl. 197—39.)



A combined ball-bearing and type-bar for typewriting machines, comprising, in combination, a type-bar provided at its supporting end with an annulus constituting the outer race for the balls of the ball-bearings; a forked member, the prongs of which embrace said annulus and are each provided with an aperture, two conical members located in said aperture and forming at their adjacent sides the inner race, and a screw threaded projection comprising an integral part of one of said conical members and projecting axially into the other conical member for detachably securing said members together.

1,508,909. ESCAPEMENT MECHANISM. GOTTLOB AICHELE, Nellingen, near Esslingen, Germany. Filed Jan. 23, 1924. Serial No. 687,903. 4 Claims. (Cl. 197—86.)

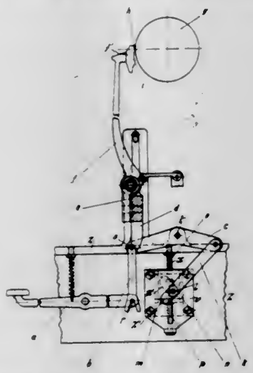


2. In a typewriter, an escapement comprising a plurality of co-axial gears, a movable dog cooperating with said gears to produce a step by step feed thereof, the cooperating surfaces of said dog and the teeth on said gears being correspondingly inclined and arranged to slide along each other during the movement of the dog to provide a gradual rotation of said gears in the feeding steps thereof and means for actuating said dog.

1,508,910. SHIFT MECHANISM FOR TYPEWRITING MACHINES. GOTTLOB AICHELE, Nellingen, near Esslingen, Germany. Filed Jan. 23, 1924. Serial No. 687,904. 3 Claims. (Cl. 197—74.)

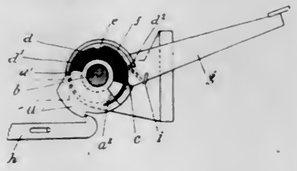
2. In a typewriting machine, a case shift element, means for selectively shifting said element from a normal position to a case shift position, a shiftable means operatively connected to the case shift element, and re-

silient means on opposite sides of said shiftable means for providing a gradually increasing resistance respectively to the shifting movements of said element from its



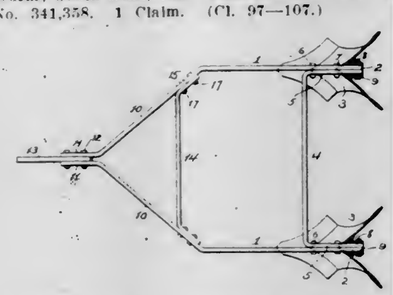
normal position and to its return movements to said normal position to neutralize impact shocks incidental to such shifting and return to normal position.

1,508,911. COLUMN-STOP MECHANISM OF TYPEWRITING MACHINES. GOTTLOB AICHELE, Nellingen, near Esslingen, Germany. Filed Feb. 7, 1924. Serial No. 691,106. 5 Claims. (Cl. 197—70.)



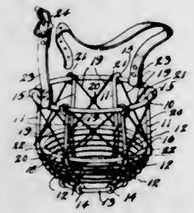
1. In a typewriting machine, the combination of a rotatably mounted cylindrical section provided with recesses, rotatably mounted column stops and means carried by said stops and cooperating with the recesses of said cylinder section for fixing said column stops in operative position.

1,508,912. LISTER PLOW. RUDOLPH J. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Nov. 29, 1919. Serial No. 341,358. 1 Claim. (Cl. 97—107.)



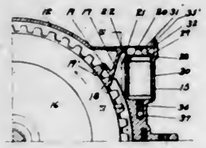
A frame for a plow comprising two parallel beams terminating at their rear ends in standards to receive soil-engaging members, the forward portions of said beams having integral converging members provided at their forward ends with parallel extensions, a draw bar secured between said parallel extensions, a brace secured between the forward converging portions of the beams, and a brace secured between the rear portions of the beams and having extensions forming re-inforcements for the standard portions of the beams.

1,508,913. GRAZING MUZZLE. FREDERICK D. ARNOLD, Manteca, Calif. Filed May 14, 1923. Serial No. 638,872. 3 Claims. (Cl. 119—133.)



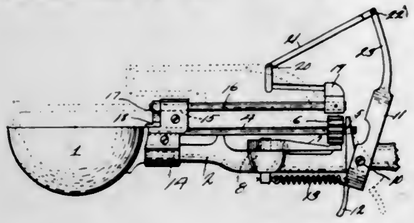
1. A grazing muzzle comprising a supporting means, rigid bars depending therefrom, a feed ring secured to said bars and having an unobstructed opening of substantially one half the diameter of the supporting ring to determine the area of pasturage, a bracing ring intermediate the supporting and feed rings, and a meshing portion comprising wires encircling the rigid bars and extending parallel to the feed ring to form a relatively close mesh.

1,508,914. LUBRICATING SYSTEM FOR ENGINES. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed July 25, 1918. Serial No. 246,785. 9 Claims. (Cl. 184—11.)



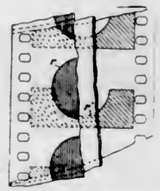
5. In combination with the casing of a rotating element of an engine and oil collecting reservoir located in the plane of the casing and having a connecting passage with the interior of said casing, means for deflecting oil thrown from said element into said passage and a conduit formed integrally with said casing for delivering oil collected in said reservoir to the bearings of said engine.

1,508,915. ICE-CREAM SCOOP. EARL E. BIDWELL, Omaha, Nebr. Filed Oct. 2, 1923. Serial No. 666,110. 3 Claims. (Cl. 109—48.)



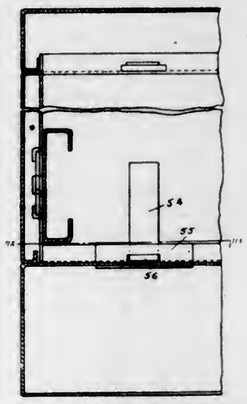
1. The combination with an ice cream scoop having a handle, a bowl carried by said handle, of a striking off device for said bowl, said device comprising a bracket disposed on the handle adjacent the bowl, a shaft slidably mounted in a bearing of said bracket, a transversely disposed knife carried by the forward end of said shaft adapted to be moved across the bowl and means disposed adjacent the rear end of the handle for moving said shaft across the bowl and returning the shaft and knife to normal position.

1,508,916. COLOR PHOTOGRAPHY. PERCY D. BREWSTER, East Orange, N. J., assignor, by mesne assignments, to Brewster Patents Corporation, New York, N. Y., a Corporation of New York. Filed June 6, 1914. Serial No. 843,351. 2 Claims. (Cl. 88—164.)



1. A cinematographic positive for the projection of unitary images in substantially the natural colors of the object or objects represented, comprising a strip of film bearing two complementary series of differently colored monochrome images, one series on each side, the images on one side being paired with the corresponding images on the other, the images of each pair being congruent at one point but progressively different in size from such point to the margins.

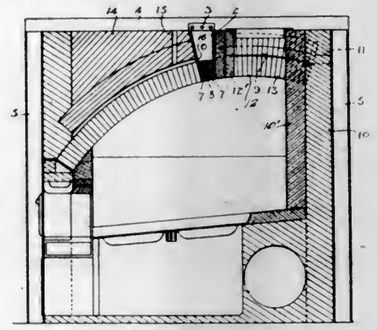
1,508,917. SINGLE-UNIT KNOCKDOWN SECTION. RAYMOND G. BULLOCK, Baltimore, Md. Filed June 16, 1920. Serial No. 389,500. 15 Claims. (Cl. 45—2.)



15. A case having a frame with a channel shaped strike at the top, a top for said case having a channel shaped front edge, a locking button extending thru said strike and engaging in the channel shaped front edge of the top.

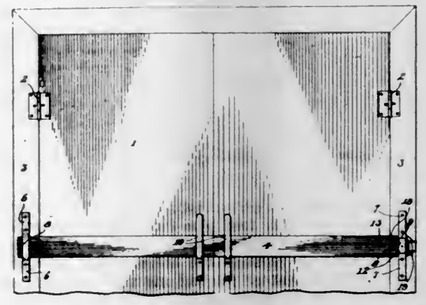
1,508,918. INCINERATOR FURNACE. JOSEPH ALFRED BURNETT, Toronto, Ontario, Canada. Filed Dec. 14, 1922. Serial No. 606,903. 5 Claims. (Cl. 110—1.)

5. An incinerator furnace or the like having an arched roof formed with a space above the arched roof, vent openings leading upwardly to the top of the furnace structure, a transverse hollow casting rigidly supported from the ends and forming the forward side of the arch, said casting having openings communicating with the space above the refractory roof of the furnace, a front wall tubular supports connected with the ends of said hollow casting and extending fowardly to the front wall, open-



ings communicating through the wall with the tubular supports, and refractory linings charging openings supported by said tubular supports and casting.

1,508,919. BURGLARPROOF LOCK BAR. ERNEST R. CAIN and ANDREW F. STONE, Kingstree, S. C. Filed Jan. 23, 1924. Serial No. 687,972. 2 Claims. (Cl. 292—259.)



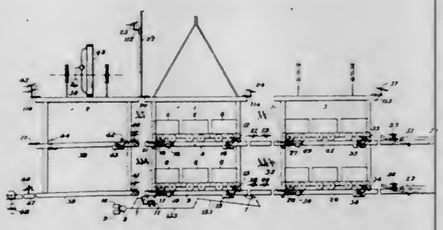
1. In a lock for doors and the like, the combination with a pair of keeper straps and a pair of intermediate stirrups, of a lock bar supported in the keeper straps, stirrups and automatically operable lock mechanism carried by one end of the bar engaging the adjacent keeper strap, said lock mechanism including a pair of tensioned latch levers pivotally carried by the bar, the adjacent keeper strap having an offset portion engaged by the latch levers, and the lock supporting end of the bar and latch levers being cooperatively constructed to provide side-recesses receiving the sides of the offset portion of the keeper strap.

1,508,920. CURTAIN ROD. GUSTAF A. CARLSON, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,868. 1 Claim. (Cl. 156—19.)



A curtain-rod comprising a coiled wire section, a wire-rod section having one end provided with means for attachment to a frame and having the other end crimped and extending into the coiled wire section, and a sleeve embracing the coiled wire section at the portion thereof which embraces the crimped end portion of the wire rod and clamping said sections together.

1,508,921. LOADING AND UNLOADING GEAR FOR HOISTING PLANTS. FRANK M. CASTLEMAN, Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1920. Serial No. 366,714. 82 Claims. (Cl. 214—126.)



1. A colliery decking plant comprising a hoisting cage, indication means for giving a cage-lowering signal, a back stop in said cage having operative and inoperative positions, and means for preventing said indication means from giving said signal unless said stop is in the operative position.

1,508,922. AIR CONTROL FOR CARBURETORS. CECIL EDGAR CAWLEY, Parsons, Kans. Filed Mar. 6, 1923. Serial No. 623,206. 1 Claim. (Cl. 251—125.)

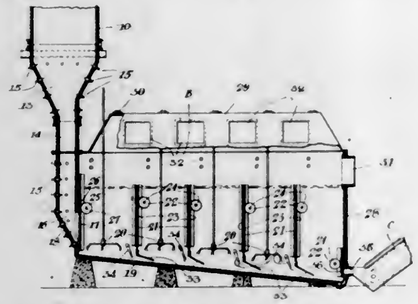


In an air control for carburetors, the combination with the outer end of an air feed pipe for a carburetor and a hot air stove having a pipe extension, of means for controlling the flow of air through the hot air pipe interposed between the outer end of the hot air pipe and pipe extension carried by the stove and telescopically associated with each member, said air controlling means including a collar, an annular enlargement at one end thereof inclosing the pipe extension on the hot air stove with the collar extending into the outer end of the hot air pipe, an outwardly opening plate valve hinged at one end at the inner end of the collar with the free swinging edge thereof overlying the inner edge of the collar to form an abutment for the plate valve during closing movement, the collar being circular and said valve being oval to provide constant air passages at opposite sides of the valve plate and a coil spring anchored at one end to the outer end of the collar and having its other end secured to the plate valve adjacent the swinging edge for normally holding the valve in closed position engaging the inner end of the collar.

1,508,923. APPARATUS FOR SEPARATING OIL FROM OIL SANDS. NICHOLAS SHOULDICE CLARKE, New York, N. Y., assignor to Athabasca Oil Products Limited, Edmonton, Alberta, Canada. Filed July 5, 1923. Serial No. 649,758. 7 Claims. (Cl. 196—14.)

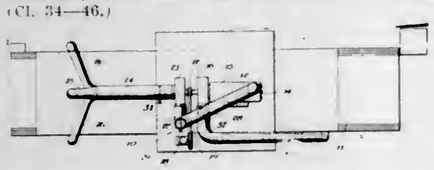
2. In apparatus of the character described, a separating tank having an inclined bottom and a plurality of adjustably sliding gates to control the passage of material therethrough, and a plurality of rotary spray pipes in the said treating chamber, the said spray pipes being located between the gates.

7. An apparatus of the character described comprising a vertically extending stack, means for spraying the material passing therethrough, a separating tank connected to the bottom of the stack, means for causing the material to pass therethrough, controlling gates in the separating



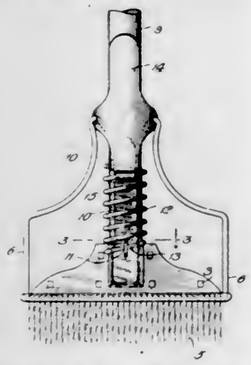
tank, and spray nozzles between the said controlling gates, and a continuous conveyer leading from the separating tank.

1,508,924. DRIER FOR SHEET MATERIAL. WILLIAM H. COLLIER and ARTHUR J. VANCE, Painesville, Ohio. Filed July 31, 1922. Serial No. 578,769. 3 Claims. (Cl. 34—46.)



1. The combination with a drying chamber having a supply or wet end and delivery or dry end; of means to supply heated fresh air to the dry end of said chamber, other means to draw off the air from the wet end of the chamber including a suction fan and suction pipes connecting said fan with the top and lower side portions of the wet end of the chamber, and a recirculating duct connecting said fan with the first means.

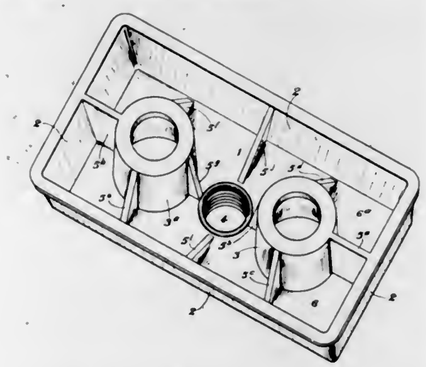
1,508,925. MOPSTICK HEAD. BELDEN L. CONCHAR, Maplewood, N. J. Filed June 16, 1923. Serial No. 645,745. 3 Claims. (Cl. 15—152.)



1. A mop comprising a cross head having therein a socket of non-circular cross section, a stick having one end corresponding in periphery and size to the socket and fitting tightly therein, whereby the cross head will be mounted upon and held against rotation relatively

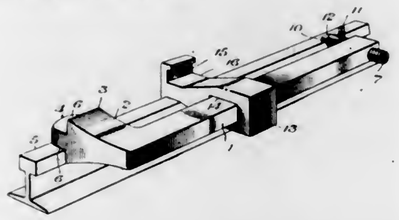
to the head, a coil spring surrounding the stick adjacent the head, and having a turn conforming closely to the non-circular periphery of the stick whereby rotation of the spring on the stick will be resisted by the resiliency of the said spring turn, means for securing the head against separation from the stick and for anchoring the end of the spring adjacent the head against movement lengthwise of the stick, a lever hinged to the other end of the spring, and a clamping bail arranged in clamping relation to the head and connected to the lever for operation thereby into and out of clamping engagement with the head.

1,508,926. STORAGE-BATTERY-CELL COVER. THOMAS R. COOK, Pittsburgh, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1921. Serial No. 506,322. 1 Claim. (Cl. 204—29.)



A storage battery cell cover comprising a plate having a depending marginal flange, two spaced depending terminal post sockets, and a vent hole located between said sockets, a rib extending from each socket on the side opposite said vent hole to the adjacent flange, and two other ribs between each socket and the marginal flange, whereby two pockets are formed by each socket and said flange and ribs, the two last-mentioned ribs for each socket being so formed as to leave a path for the flow of gases from each pocket to said vent hole along the under surface of said plate.

1,508,927. RAIL BENDER. GEORGE W. CURTIS, Jacksonville, Fla. Filed Nov. 7, 1923. Serial No. 673,315. 5 Claims. (Cl. 153—38.)

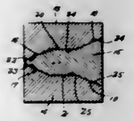


1. A rail bender including a beam provided at one end with an abutment head having upper and lower recesses, either one of which may receive the head of a rail, a gripping member slidably mounted on said beam and adapted to hook over the head of a rail, and a bending head provided at the opposite end of said beam and provided with a screw for moving the same away from said beam.

1,508,928. PLASTIC CONTAINING CELLULOSE ACETATE. HENRY DREYFUS, London, England. Original application filed Aug. 5, 1920, Serial No. 401,380. Divided and this application filed Mar. 13, 1923. Serial No. 624,805. 4 Claims. (Cl. 106—40.)

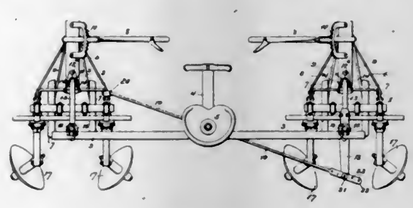
2. A composition of matter comprising cellulose acetate and a plasticizing agent comprising a toluene dialkyl sulfonamid preparation which sulfonamid preparation is liquid at ordinary room temperature and is a jelly at temperatures somewhat below 0° C. and which is a solvent of cellulose acetate at all temperatures below the boiling point of said sulfonamide preparation.

1,508,929. PISTON RING. FRED H. FUNCHESS, Hanford, Calif., assignor to Super Seal Piston Ring Company, Hanford, Calif., a Corporation of California. Filed Sept. 27, 1921. Serial No. 503,610. 3 Claims. (Cl. 74—109.)



1. A packing comprising a pair of outer resilient split rings and an intermediate split resilient ring interposed between said outer rings, the body portion of said intermediate ring diverging from its outer edge to a point adjacent one side of the center of said body portion and further converging from its inner edge to a point adjacent the other side of the center of said body portion, and the body portion of each outer ring having its inner face formed with a pair of spaced bevelled surfaces, one extending inwardly from the outer edge and the other inwardly from the inner edge of said body portion, one of the bevelled surfaces of each of the outer rings riding against the diverging portion of the inner ring and the other bevelled surface of each of the outer rings riding against the converging portion of the inner ring.

1,508,930. AGRICULTURAL IMPLEMENT. ARTHUR D. GALLAGHER, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Mar. 11, 1922. Serial No. 543,050. 4 Claims. (Cl. 97—143.)

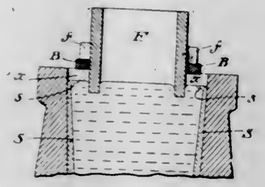


3. The combination with two agricultural units, an interposed seat-supporting beam, and levers connecting said units with said beam, of a lever extension projecting from the lever connected with one only of said units, and a single means connecting said lever extension with the frame of the other unit.

1,508,931. METHOD OF FORMING INGOTS. EMIL GATHMANN, Baltimore, Md. Filed Feb. 12, 1924. Serial No. 692,317. 8 Claims. (Cl. 22—209.)

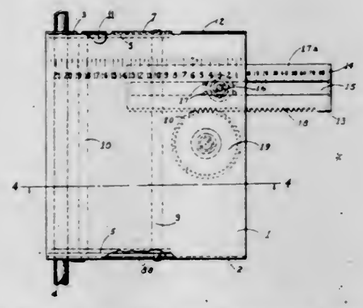
1. The method of forming an ingot, which consists in pouring molten metal through a sink head supported on the top of a mold with its lower portion within the mold chamber until the mold chamber is filled with

molten metal to the desired extent and surrounds the lower portion of the sink head and extends within it; allowing the metal to partially solidify and the sink head to descend, then pouring molten metal into the



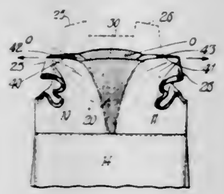
sink head while supported on the partially solidified ingot until the sink head is filled to the desired extent and then allowing the entire mass of metal to completely solidify.

1,508,932. WORK SUPPORT FOR PRINTING APPARATUS. ALTON L. GRAY, Rochester, N. Y., assignor to Todd Protectograph Company, Inc., Rochester, N. Y. Filed July 15, 1922. Serial No. 575,185. 4 Claims. (Cl. 197—6.2.)



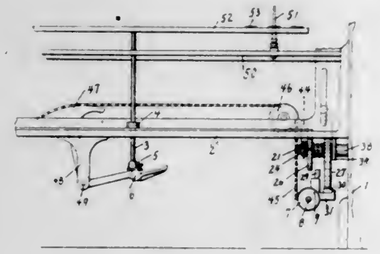
1. A work support for printing apparatus comprising a gauge adjustable to different positions on the support to suit the work and provided with gear teeth, a toothed wheel rotatable on the support with its teeth in mesh with those of said gauge, and a device for variably limiting the rotation of said wheel and thereby stopping the movement of said gauge in different positions of adjustment.

1,508,933. COMBINATION GARMENT. NATHAN HATCH, Albany, N. Y. Filed June 12, 1923. Serial No. 644,835. 5 Claims. (Cl. 2—78.)



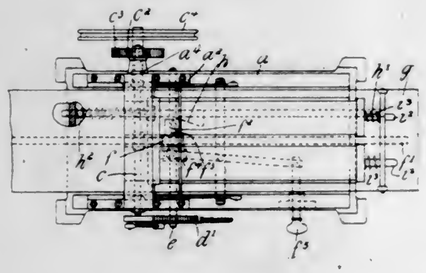
1. A bifurcated garment constructed largely of substantially non-elastic fabric which fabric extends around the sides and under the arms thereof, said garment being provided with shoulder straps and with a longitudinally disposed relatively small insert in the upper portion thereof, positioned between the loops or arm holes formed by the shoulder straps of opposite shoulders, the said insert being of a fabric of greater elasticity than that of the main fabric of the garment which when stretched permits the shoulder portions to be displaced to enable the body of the wearer to pass therebetween as the garment is donned or doffed and upon being released when donned draws the shoulder portions and straps to their proper positions and closes the garment snugly about the neck.

1,508,934. BUNCH BUILDER FOR BOBBINS. WILLIAM NORMAN HEATH, Waco, Tex. Filed Sept. 4, 1923. Serial No. 660,898. 4 Claims. (Cl. 242—43.7.)



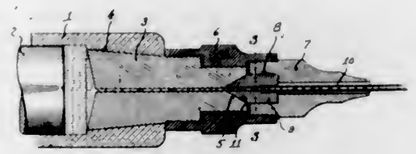
1. In a machine of the character described having a traverse motion operated by a primary cam fixed on a driven shaft and a builder arm carrying a primary cam follower, in combination, a secondary cam follower secured to the builder arm, a secondary bunch builder cam slidably disposed on the driven shaft and adapted to be removed and replaced without disturbing the primary traverse motion mechanism, and means for moving the secondary cam into and out of engagement with its follower.

1,508,935. BISCUIT-CUTTING MACHINE. GEORGES BARTHELEMY PERTUISET, Geneva, Switzerland. Filed Apr. 15, 1920. Serial No. 374,198. 1 Claim. (Cl. 107—21. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



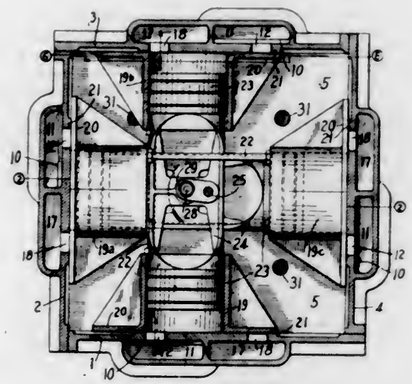
In a biscuit cutting machine, a frame, a dough holder formed in the frame and having slots therein for receiving the dough, a reciprocating slide, plungers yieldingly mounted on the said slide and lying within the said recesses in the dough holders to move the dough when the slide is moved, a knife, a crank shaft by which the knife is operated, an auxiliary shaft, means for operating the auxiliary shaft from the said crank shaft, a gear slidably mounted on the auxiliary shaft, a rack on the said reciprocating slide, and means for sliding the said gear into and out of mesh with the said rack.

1,508,936. WASHERLESS REMOVABLE-TIP HYPODERMIC SYRINGE. FRANK L. PLATT, GEORGE N. HEIN, and ROBERT R. IMPEY, San Francisco, Calif. Filed Aug. 17, 1922. Serial No. 582,376. 6 Claims. (Cl. 128—221.)



3. A hypodermic syringe needle comprising a tubular needle and a tubular base mounting the same, said base being polygonal in cross section and formed with a conical end.

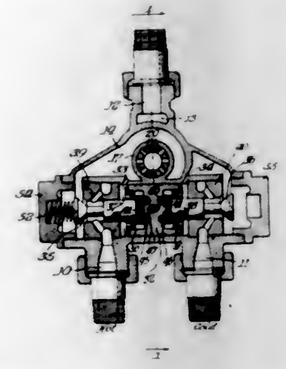
1,508,937. METER. PAUL C. POCOCK, Sidney, and AUGUSTINE J. POCOCK, Dayton, Ohio, assignors, by direct and mesne assignments, to The Micro Meter Company, Sidney, Ohio, a Corporation of Ohio. Filed Nov. 4, 1921. Serial No. 512,795. 12 Claims. (Cl. 73—30.)



1. In a meter, a casing having a plurality of inlets and outlets arranged in pairs, a plurality of cylinders movably mounted in said casing, each cylinder being adapted when in one position to communicate with the inlet only of one pair and when in another position to communicate with the outlet only of that pair, a piston in each cylinder, said pistons and said cylinders being connected in pairs, and means actuated by said pistons alternately to cause the pistons of one pair to impart movement to the cylinders of another pair.

1,508,938. PRESSURE-EQUALIZING SHOWER MIXER. FRED W. POWERS and MORTON O. SNEDIKER, Chicago, Ill., assignors to The Powers Regulator Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1923. Serial No. 625,472. 14 Claims. (Cl. 277—21.)

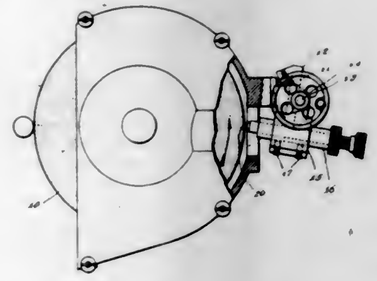
1. In a device of the class described, the combination of a casing, means providing separate passages for hot and cold fluids, and a controlling valve of cylindrical tubular form a separate screw-threaded actuating member, said valve having a plurality of rows of radial openings positioned to be successively brought into register with



said passages and said valve being provided with a plurality of additional radial openings adapted to provide for the passage of the combined fluids

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1,508,939. GRINDING-WHEEL DRESSER. MILTON O. REEVES, Columbus, Ind., assignor, by mesne assignments, to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed July 30, 1920. Serial No. 400,125. Renewed Aug. 16, 1924. 1 Claim. (Cl. 125—11.)

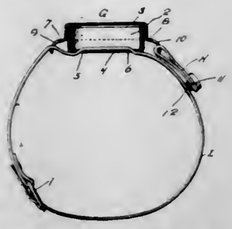


A grinding wheel dresser comprising a guideway associated with the grinding wheel, a carriage movably mounted on said guideway, a sleeve mounted in said carriage at an acute angle to the surface to be dressed and capable of independent rotative and axial movement, means for holding said sleeve in adjusted position, and a dressing tool holder threaded in said sleeve.

1,508,940. WRISTBAND ADAPTED FOR CARRYING ARTICLES. SAMUEL SEDRANSKY, Bronx, N. Y., assignor to Samuel Marcus, Brooklyn, N. Y. Filed May 27, 1921. Serial No. 473,117. 1 Claim. (Cl. 224—28.

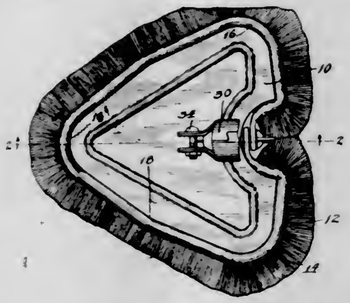
A device of the character described comprising a box body having a bottom and sides and which bottom is slotted at opposite points, a removable cover for said body and having a rim fitting downwardly over and encompassing the sides thereof, said rim at the opposite sides of its lower edge having integrally therewith outwardly and downwardly extending slotted ears, a strap to extend around the wrist and having a buckle for tightening the same upon the wrist, said strap being threaded from one

end inwardly through one of said slotted ears and then upwardly through the adjacent slot in the bottom of said body and then downwardly through the other slot in said bottom and thence extending to said buckle, and a



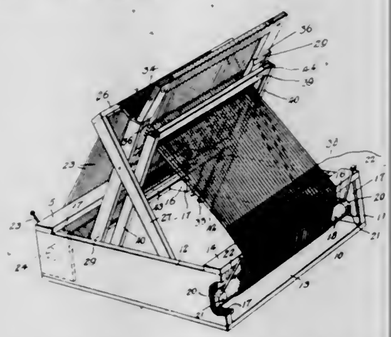
strap fastening tab connected with the other slotted ear of said cover and thence extending outwardly over said wrist strap and at its outer end being detachably secured thereto for securing said cover in closed position.

1,508,941. MOP. WILLIAM SEVERNS, Chicago, Ill. Filed Aug. 17, 1921. Serial No. 493,015. 7 Claims. (Cl. 15—229.)



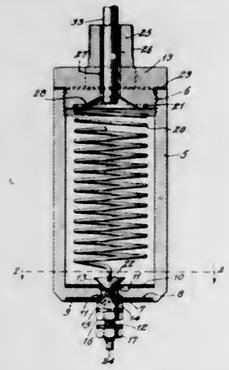
1. A mop including in combination a plate comprising a holding frame adapted to receive a mop body, a removable mop body attached to said frame, an upwardly extending lug inserted through the frame for attaching a handle socket, and mop body attaching means secured to the bottom portion of said lug.

1,508,942. HAND LOOM. ANNA NOTT SHOOK, New York, N. Y. Filed Apr. 11, 1923. Serial No. 631,248. 5 Claims. (Cl. 139—33.)



1. In a loom, the combination with a base including a breast beam and a lease bar, of a warp support extending upward above said base in position to hold the shed at an inclination above the breast beam, means including rotatable beams adapted to be locked against rotation to control the forward adjustment of the warp, and a heddle between the support and the breast beam, said warp support comprising a frame with spaced parallel legs connected to the base and comprising also a pair of brace legs pivoted to the first mentioned legs, the lower ends of the brace legs being detachably connected to the bottom of the base.

1,508,943. FUEL-PREHEATING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. LOUIS T. SICKA, Bonne Terre, Mo. Filed Jan. 2, 1923. Serial No. 610,121. 3 Claims. (Cl. 219—38.)



1. A fuel pre-heating device for internal combustion engines comprising a casing to receive the liquid fuel, a detachable head closing one end of said casing, an electric terminal member centrally mounted in the opposite end wall of the casing and insulated therefrom, an electrical resistance coil enclosed within said casing and having an end coil thereof permanently attached to said head whereby the head and said resistance coil may be removed as a unit from the casing, and said coil at its other end having means for removable engagement with the terminal member.

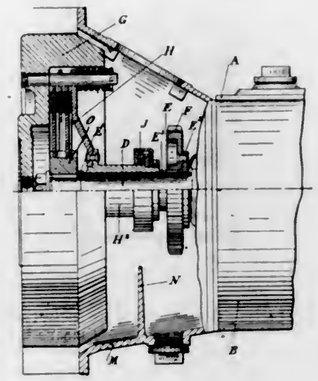
1,508,944. VALVE. SELIG SIMON, St. Louis, Mo. Filed Aug. 6, 1923. Serial No. 655,797. 1 Claim. (Cl. 251—8.)



A valve comprising a member composed of a relatively large barrel having internal threads, a relatively small stem extending from one end of the barrel and having a passage therethrough opening into the barrel, and a flanged head near the end of the stem; in combination with another member having a threaded flat inner end screwed into the barrel and having a passage from the other end to a point near the inner end and thence radially through the side thereof, a flanged head near the outer end of said second member, and an elastic gasket seated against the inner end of said barrel and engaging the threads of said barrel.

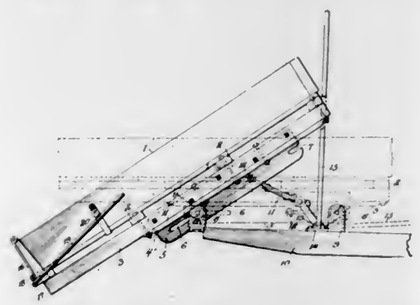
1,508,945. GENERATOR DRIVE. HENRY MANN AINSWORTH, Coventry, England, assignor to Société Anonyme des Anciens Etablissements Hotchkiss et Compagnie, St. Denis, Seine, France. Filed Sept. 20, 1921. Serial No. 501,977. 1 Claim. (Cl. 290—46.)

In combination with an engine driven fly-wheel, a clutch behind the fly-wheel composed of driving and driven elements, a clutch shaft made fast to the driven element, a hub loose on the shaft and fixed to the driving element, a sprocket fixed to rotate with said hub, a chain engaging said sprocket, an electrical machine adapted to function both as a generator and as a motor



supported in rear of said fly-wheel, a sprocket made fast to said electrical machine and also engaged by said chain, a gear box, and means to support said machine at the side of the gear box.

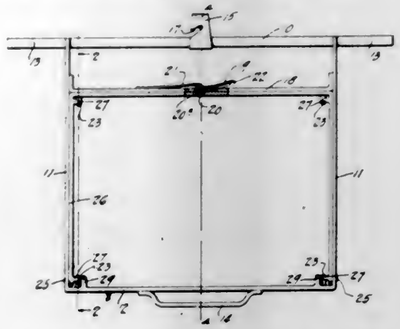
1,508,946. BOX DUMP. CHARLES N. ALDERMAN, Streator, Ill. Filed Oct. 7, 1922. Serial No. 593,139. 2 Claims. (Cl. 298—14.)



1. In a dump wagon, the combination of a wagon frame, a dump box slidably mounted on the frame, a plate secured to the underside of the box, slots arranged adjacent one end of the plate, and slots formed in the opposite end of the plate and open at their forward ends, a shaft secured to the frame and having pulleys thereon, a shaft secured to the approximate forward end of the frame and having pulleys thereon adapted to normally seat in the open slots, a shaft fulcrumed in the plate and movable therewith, arms depending from the ends of the shaft, a crank arm secured to the frame by brackets at one end and at its opposite end to the arms and a lever arranged alongside the frame and comprising an extension of one end of the crank arm.

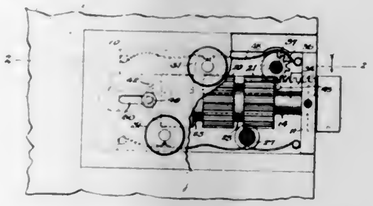
1,508,947. FILM DEVELOPING, FIXING, AND DRYING FRAME. JOHN O. ALLEN, Salt Lake City, Utah. Filed Oct. 18, 1922. Serial No. 595,438. 5 Claims. (Cl. 95—100.)

1. A film holder comprising a rectangular supporting frame having supporting means, a rectangular clamping frame within the supporting frame and pivoted thereto, coacting film engaging jaws projecting inward from



the supporting and clamping frames, and means for latching the clamping frame within and parallel to the supporting frame.

1,508,948. COMBINATION LOCK. GUSTAVE ARNOLD ANDERSON, New York, N. Y. Filed July 10, 1923. Serial No. 650,717. 5 Claims. (Cl. 70—53.)

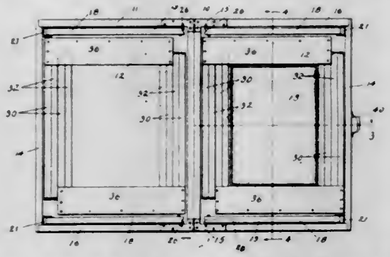


1. A lock construction which includes a slidable bolt having a longitudinal groove therein and a plurality of transverse grooves, a plurality of gears embracing said bolt and having inwardly projecting pins thereon adapted to extend into said grooves, a plurality of manually operable gears engaging with the first-mentioned gears for rotating said first-mentioned gears whereby the pins thereon can be brought into alinement with the longitudinal groove, a manually engageable element connected to the bolt permitting its movement forward or back with respect to said gears when the alinement is effected, a latch bar associated with and connected to the said first-mentioned gears, a latch element operated by the movement of the bar, and means on said latch element to latch with the casing on one side thereof when the bar is moved to a definite position, said latching action between the elements and the casing occurring when the first-mentioned gears are moved forward by the movement forward of the bolt when the pins on said gears are not in alinement with the longitudinal groove.

1,508,949. TABLE CASE. JOHN S. ANDERSON, Jamestown, N. Y. Filed Sept. 13, 1922. Serial No. 587,925. 2 Claims. (Cl. 45—116.)

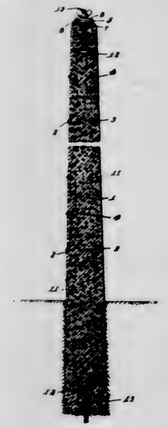
1. A table case comprising a folding table, a plurality of stools, and a box, said table consisting of two sections hinged together, each section comprising a rigid rectangular frame to which a portion of the table top is secured, brackets at the outer corners of said frames, legs pivoted to said brackets each leg being in two sections the upper section being of channelled cross section and the lower section being pivoted to the lower end of said upper section whereby the lower section may be swung on said pivot into the channel of said upper section, the

length of the upper section of said legs being somewhat less than the width of said table sections whereby the legs may be folded across the ends of said table sections



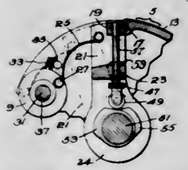
to provide rectangular spaces for foldable stools and a box said stools being so formed and assembled that the legs thereof form a rectangular space in which said box may be received.

1,508,950. FENCEPOST. ANACLETO ANGELI, West Frankfort, Ill. Filed May 19, 1923. Serial No. 640,188. 1 Claim. (Cl. 256—51.)



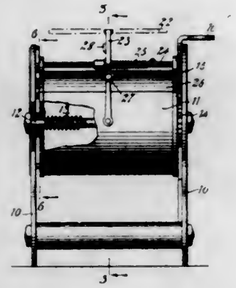
A post of the class described formed of concrete and having grooves in one face thereof and holes passing through the post parallel with the grooves, brackets embedded in the post adjacent each end thereof, reinforcing wires connected with the brackets, screw rods connected with the brackets and passing through the ends of the post and a clamp connected with the top of the post by the upper screw rod.

1,508,951. TYMPAN CLAMP. ALEXANDER F. BAKER, Quincy, Mass. Filed June 1, 1923. Serial No. 642,753. 22 Claims. (Cl. 101—415.1.)



1. A cylinder having a tympan clamp organized to swing about the center of the cylinder, grippers carried by the clamp and a shaft disposed centrally of the cylinder for operating the grippers.

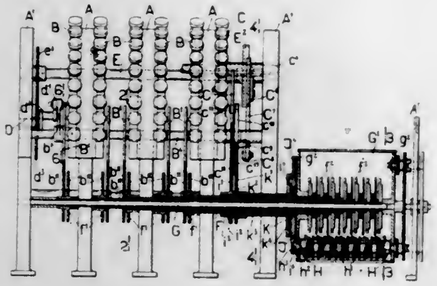
1,508,952. DISPENSING DEVICE. CHARLES HARRISON BENNETT, Mount Morris, N. Y. Filed Nov. 28, 1921. Serial No. 518,375. Renewed Mar. 12, 1924. 11 Claims. (Cl. 211—44.)



1. A dispensing device including a rotatable drum, a trough member within said drum, means for removing elements to be disposed within said trough member, and means projecting radially inward of said drum for deflecting elements within said drum towards said trough member.

2. A dispensing device including a rotatable drum, a trough member within said drum, a pair of jaws independent of said trough for removing elements to be disposed within said trough member, means for deflecting elements within said drum towards said trough member upon said drum being rotated.

1,508,953. COUPLING DEVICE FOR CASH REGISTERS, CALCULATING MACHINES, OR THE LIKE. ERNST BREITLING, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 29, 1921. Serial No. 525,768. 4 Claims. (Cl. 235—6.)

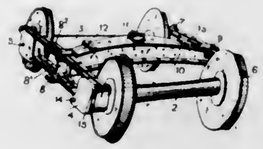


1. In a machine of the class described a plurality of registering mechanisms, a set of operating members common to said registering mechanisms, a gearing member, means carried by said registering mechanisms and engaged by said gearing member whereby said gearing member may be selectively coupled to one of said registering mechanisms, said gearing member comprising further a displaceable block for moving the selected registering mechanism into engagement with said set of operating members.

1,508,954. BOGIE FOR ROLLING STOCK. FERNAND LOUIS BROUSSOUSE, Paris, France. Filed Feb. 21, 1923. Serial No. 620,496. 7 Claims. (Cl. 105—197.)

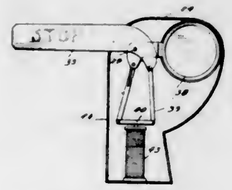
1. A bogie for rolling stock of any description, characterized by the fact that the side members of the bogie frame are constituted by the suspension springs of the

said bogie, which are directly pivoted upon the axle boxes, and are provided with different curvatures and



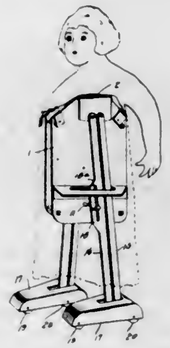
dimensions in order to maintain constant the distance apart of the axle boxes and consequently of the axles, whatever the flexion of the said springs may be.

1,508,955. DIRECTION SIGNAL FOR MOTOR VEHICLES. CHARLES R. BRYAN, New York, N. Y. Filed Sept. 23, 1921. Serial No. 502,730. 3 Claims. (Cl. 177—327.)



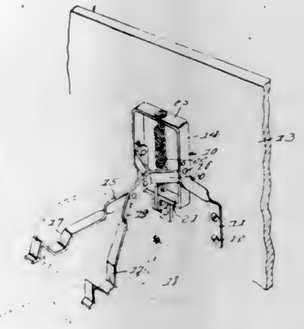
1. A signaling device including a casing provided with a source of light, a signal arm pivotally mounted and normally retracted within the casing, a lens in line with the source of light and to be viewed from the exterior thereof, a carrying frame for said lens pivotally mounted and normally retracted within the casing, a head, connections from said head to said arm and frame, said arm and frame being movable in opposite directions, and means to actuate said head whereby said arm will be projected from the casing and said lens will be disposed in the path of rays from said source of light.

1,508,956. WALKING DOLL. LOUIS M. BUTTERFIELD, Raymond, N. H., assignor of one-half to Hermann Glove Sumner, Raymond, N. H. Filed July 5, 1923. Serial No. 649,570. 3 Claims. (Cl. 46—40.)



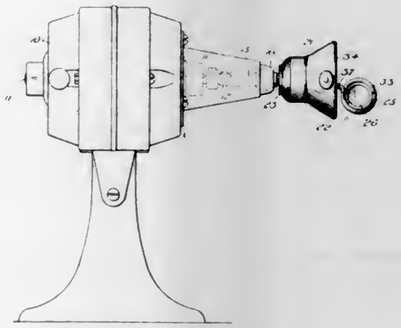
1. In a walking doll embodying a spring motor, and a shaft having oppositely disposed cranks, legs comprising parallel bars pivoted at one end to the body of the doll, one of each pair of bars provided with an elongated slot intermediate their ends to receive said cranks, and feet pivoted to the lower ends of the respective bars.

1,508,957. RECEPTACLE-HOLDING DEVICE. BASCOME E. COLLINS, Calnesville, Mo. Filed Sept. 29, 1922. Serial No. 591,244. 1 Claim. (Cl. 248—20.)



A device for holding and locking a receptacle upon a vehicle body comprising a U-shaped bracket having offset end portions adapted to be attached to the body, a holding lever fulcrumed between the sides of the bracket and having diverging inner and outer end portions, the outer end portions being adapted to resiliently engage the edge of the receptacle, a loop depending from the inner diverging end portions of the arm and located under the intermediate portion of the bracket, and a spring located within the bracket and having one end attached to the intermediate portion of the bracket and its opposite end attached to the intermediate portion of the loop, whereby the intermediate portion of the spring may swing transversely across the fulcrum point of the arm as the arm is rocked upon the fulcrum point.

1,508,958. AMALGAM MIXER. GEORGE E. COX, Wilmington, Del. Filed Mar. 15, 1923. Serial No. 625,377. 6 Claims. (Cl. 259—72.)

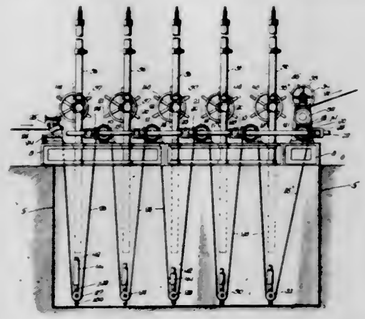


1. In combination, a gyrating shaft, a flexible support at one end of said shaft, an amalgam mixing capsule and a holder adapted to detachably secure said capsule to said flexible support so as to position said capsule entirely to one side of the axis of the gyrating shaft.

1,508,959. SATURATOR. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., a Corporation of Illinois. Filed July 22, 1921. Serial No. 486,860. 11 Claims. (Cl. 91—46.)

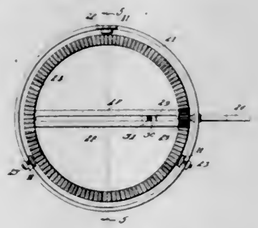
1. A saturator comprising a tank; a series of spaced-apart pairs of parallel driving rolls extending across

the tank and rotatably supported near the top thereof; means for rotating the rolls; parallel loop-extending



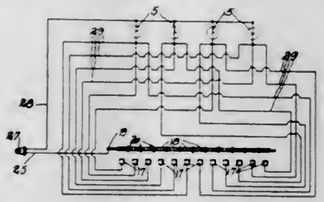
rolls located in vertical planes between adjacent driving rolls and means for raising and lowering said loop-extending rolls.

1,508,960. CAN OPENER. FRITZ DAHLIN, West Moshannon, Pa. Filed May 22, 1922. Serial No. 562,897. 1 Claim. (Cl. 30—3.)



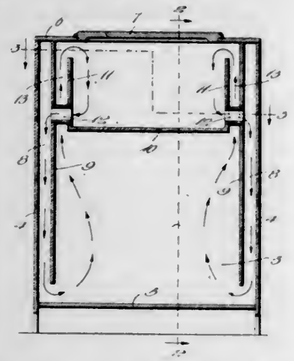
A can opener comprising a frame like structure, a hinged cover for said frame like structure, a ring gear supported by the cover for rotation, a crank handle journalled on said supporting structure, a pinion carried by said handle and meshing with the gear to rotate the latter, a cross bar arranged centrally of said gear and carried thereby and having a longitudinal slot, the opposed sides of said slot being of channel like formation in cross section, a block arranged in said channel like portion for movement longitudinally of the cross bar, a threaded element passing through said block and arranged vertically on said cover and adapted to be adjusted toward and away from the can, and a cutting blade carried by the lower end of said adjusting element and adapted to be forced through the top of the can and removing the latter as said gear is rotated.

1,508,961. BASEBALL GAME. CHARLES DIETRICK, Pittsburgh, Pa. Filed Oct. 1, 1921. Serial No. 504,745. 2 Claims. (Cl. 46—61.)



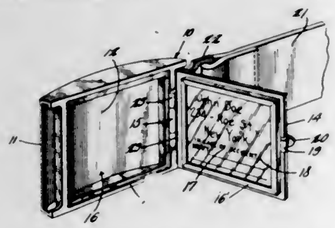
1. In a device of the character described, an inclined base, a downwardly opening door hinged to said base at the lower end thereof, shutters mounted above the door for swinging movement, means for limiting outward movement of the shutters, a main trough positioned beneath said door, a trough discharging into said main trough, supplemental troughs communicating with the second mentioned trough, the base being provided with openings communicating with said second mentioned trough and the supplemental troughs, and means for normally holding said door raised.

1,508,962. REFRIGERATOR. PERCY H. DONHAM, Sullivan, Ind. Filed Oct. 11, 1923. Serial No. 667,970. 1 Claim. (Cl. 62—46.)



A refrigerator comprising a casing, a pair of curtain walls spaced inwardly from two opposed side walls thereof and extending from front to back of said casing, said curtain walls also extending from the top of the casing to points spaced from its bottom, an ice chamber bottom in the upper portion of the casing extending from front to back thereof and terminating in spaced relation with said curtain walls, ice chamber end walls rising from said ice chamber bottom and extending from front to back of the casing, said end walls being inwardly spaced from said curtain walls and downwardly spaced from the casing top, and cold air outlet passages extending through the lower portions of said end walls, across the space between the latter and said curtain walls, and through the latter.

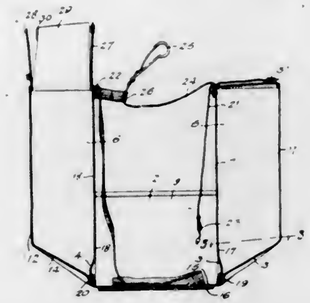
1,508,963. BELT BUCKLE. HERMAN DORF, Newark, N. J. Filed Dec. 1, 1923. Serial No. 678,005. 4 Claims. (Cl. 24—163.)



1. A belt buckle comprising a front wall, a rear wall spaced from said front wall to provide a passage way for the free end of a belt, a compartment formed in said rear wall, and a door hingedly connected to said rear wall for permitting access to said compartment.

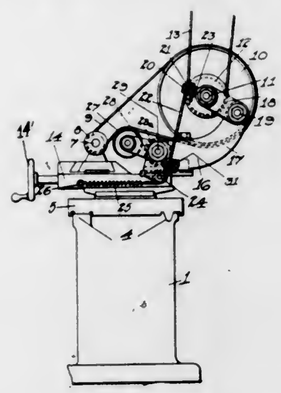
1,508,964. FEED BAG. GEORGE DOUTNEY, Brooklyn, N. Y. Filed Apr. 24, 1923. Serial No. 634,344. 2 Claims. (Cl. 119—65.)

1. A feed bag, comprising means forming an open topper container for receiving the mouth and nose of an animal when feeding, means forming a magazine of canvas on each side of the container, each of said magazines being formed with a canvas flap at the lower part thereof adjacent the container, fastening means for normally



holding said flaps closed, and a supporting member secured to said magazines positioned to fit over the top of the animal's head which is using the bag.

1,508,965. GRINDING MACHINE. ALDEN M. DRAKE, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1922. Serial No. 608,182. 1 Claim. (Cl. 51—32.)

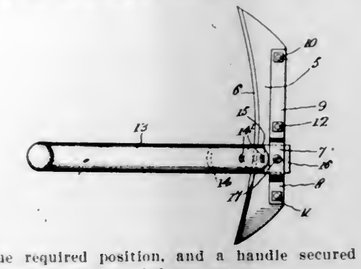


In a grinding machine, a base, a table longitudinally movable thereon, a grinding wheel spindle carried by said table and adjustable crosswise thereof, and means for diving said spindle from an overhead line shaft, said driving means comprising a belt driven countershaft which is belted itself to said spindle, in combination with a spring drawing downwardly on said countershaft, and a belt tightener acting on said spindle belt, the latter providing a wrap around the spindle pulley in all positions of crosswise adjustment of said spindle.

1,508,966. ADJUSTABLE BRUSH AND WEED CUTTER. WILLIAM DRYER, Topeka, Kans. Filed Oct. 11, 1923. Serial No. 667,971. 2 Claims. (Cl. 30—9.)

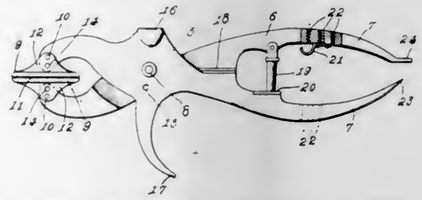
1. A brush and weed cutter comprising a narrow elongated thin blade having regularly spaced openings in its length, a reinforcement placed against a side of the blade and having openings in register with the openings thereof and having a portion adajcent an end bent to provide a clip of approximately U-form, the reinforcement being reversible to bring the clip at one or the other end of the

blade, fastenings passing through the registering openings of the blade and reinforcement to secure the latter



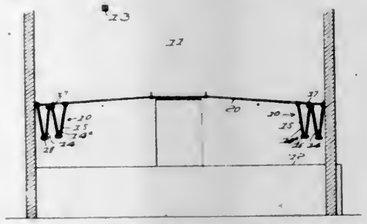
in the required position, and a handle secured to the clip portion of the reinforcement.

1,508,967. TOOL. ROGELIO G. FERNANDEZ, New York, N. Y. Filed Aug. 31, 1923. Serial No. 660,403. 2 Claims. (Cl. 7—3.)



1. A tool comprising a pair of members pivotally connected together intermediate their ends, handles formed on one end of said members and movably mounted jaws mounted on the other end, and means comprising openings in the last-mentioned end of each member for registration with openings in its respective jaw, and a pin insertible through the registered openings for rendering said movable jaws stationary.

1,508,968. SAFETY SCREEN FOR TOBACCO-CURING FLUES. ALEXANDER S. GREEN, Oxford, N. C. Filed Aug. 11, 1921. Serial No. 491,498. 8 Claims. (Cl. 34—19.)

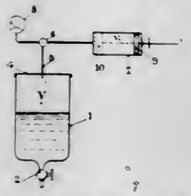


8. A safety screen for tobacco curing flues adapted for arrangement between the tobacco racks and the furnace at the lower end of the flue, constisting of independent sets of screen sections aranged in pairs with the members of each pair connected for folding movement into substantially parallel relation and guide rods disposed in transverse relation to the lines of folding of said pairs, and the marginal edges of adjoining pairs being hingedly connected and having a sliding mounting upon said guide bars, hangers being provided for detachable engagement with intermediate portions of the scheen for preventing the sagging thereof.

1,508,969. METHOD AND APPARATUS FOR INDICATING THE LEVEL OF LIQUID IN A TANK. LOUIS GUICHARD, Paris, France, assignor to Edouard Seignol, Paris, France. Filed May 31, 1922. Serial No. 564,978. 2 Claims. (Cl. 73—54.)

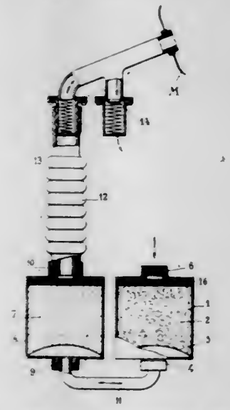
1. A process for measuring the volume of liquid contained in a tank, such as the tank of an automobile ve-

nicle, comprising temporarily isolating a body of air so enclosed above the level of the liquid, that its volume will vary inversely as such level varies, and in adding to the



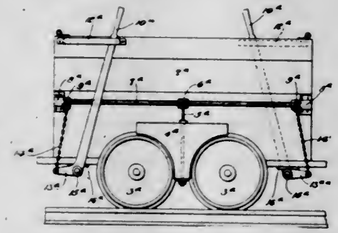
said body of air, a constant quantity of air so as to increase the pressure of the enclosed air, and measuring the resulting increase in pressure on a gauge graduated in units of volume.

1,508,970. RESPIRATORY DEVICE. HENRI GUILLEMARD, Lyon, France. Filed May 6, 1920. Serial No. 379,397. 2 Claims. (Cl. 128—141.)



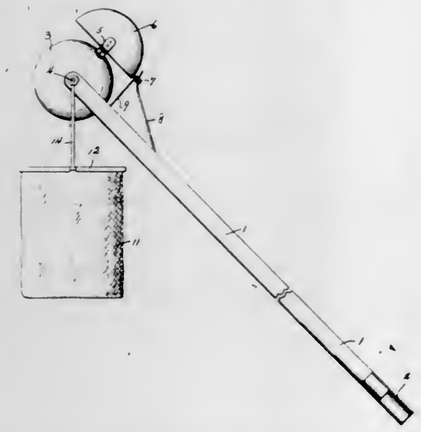
1. A respiratory device comprising a container holding an oxidizing material capable of the oxidation of carbon monoxide, a second container holding an absorbent for carbon dioxide, a connection from the first container to the second, and a valved connection adapted to connect the second container to a respiratory mask.

1,508,971. MINE CAR. JOHN A. HEBB, Hopwood, and WILLIAM J. MCDADE, Uniontown, Pa. Original application filed Nov. 6, 1919, Serial No. 336,025. Divided and this application filed Oct. 6, 1920. Serial No. 415,066. 4 Claims. (Cl. 188—57.)



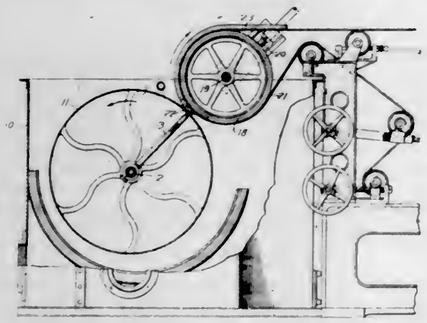
1. The combination with a mine car having wheels thereon, of a braking mechanism therefor, said mechanism comprising a vertically movable shoe adapted to be moved into and out of wheel engaging position, a shaft extending along the side of the car substantially its entire length, means connecting the shoe and shaft, an operating lever disposed near each end of the car, and flexible means connecting the shaft with the two operating levers, said flexible means and operating levers being so arranged that movement of one of the operating levers to locking position will not move the other operating lever.

1,508,972. FRUIT-PICKING DEVICE. ALBERT HERMUNDSON, Nelson, Wis. Filed Aug. 23, 1923. Serial No. 658,990. 4 Claims. (Cl. 56—334.)



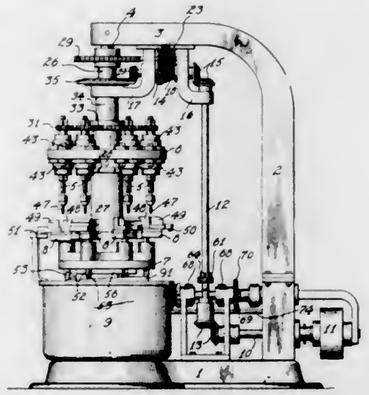
1. A device of the class described comprising a handle member, a cup-like jaw, means for connecting the central portion of said jaw to one side of the handle member, a second cup-like jaw, means for pivotally connecting marginal portions of both of said jaws, the axis of said pivotal connection being disposed substantially in parallelism with the longitudinal axis of the handle member, means for normally maintaining the second jaw open with respect to the first named jaw, and manual means for moving said second jaw toward the first jaw.

1,508,973. PROCESS AND APPARATUS FOR MAKING WALL BOARD AND THE LIKE. PAUL B. HUDSON, Watertown, N. Y. Filed Dec. 5, 1921. Serial No. 520,032. 6 Claims. (Cl. 92—42.)



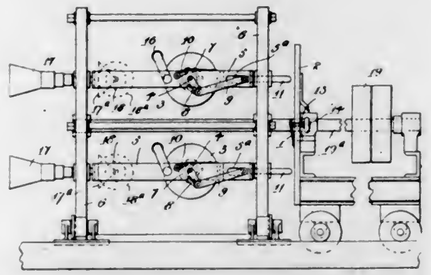
1. The process of producing a wall board, or the like, consisting in blowing fibers from the periphery of a screen rotating in a tank of pulp into the space intervening between said screen and a member spaced therefrom and traveling at a lower speed to fill said space.

1,508,974. AUTOMATIC MULTIPLE-SPINDLE-MACHINE TOOL. CALVIN JACKSON, Jacksonwalt, Pa., assignor, by mesne assignments, to Reading Automatic Machine Company, a Corporation of Pennsylvania. Filed July 30, 1921. Serial No. 488,738. 16 Claims. (Cl. 29—38.)



1. A multiple-spindle machine of the character described having a plurality of work holders and a spindle head, means for holding said head stationary or revolving it, and a work holder table adapted for intermittent or synchronous revolution with respect to said spindle head, in combination with means for rotating said spindles and simultaneously causing said work holders and spindles to approach and separate at predetermined points around the machine.

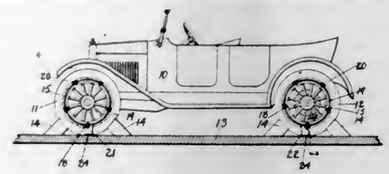
1,508,975. ROPE-UNTWISTING APPARATUS. PETER BURD JAGGER, London, England. Filed Nov. 23, 1921. Serial No. 517,387. 14 Claims. (Cl. 117—1.)



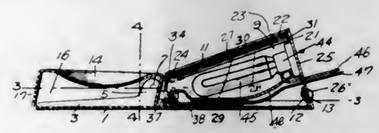
14. Mechanism of the kind set forth comprising spools mounted so as to revolve on a common axis, a ratchet wheel on each of said spools, a one-way acting ratchet pawl co-operating therewith, a lever and link feed device slidably carried by the spool carrier and operating said ratchet pawl and a cam on the framework of the machine for contacting with said lever and link feed device.

1,508,976. WHEEL-SECURING BRACKET. FRANCIS JERDONE, Jr., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1920. Serial No. 391,134. 4 Claims. (Cl. 188—32.)

1. Means for securing a vehicle in fixed position upon a floor or frame comprising a tie-plate having a hooked portion adapted to extend between the sections of a demountable wheel rim behind one of the wedges projecting between said sections to interlock therewith, said plate having a base portion adapted to be secured to said floor or frame.

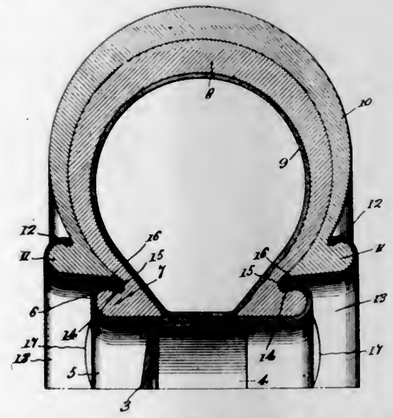


1,508,977. ADVERTISING DEVICE. ALLAN ROLAND PYE JOHNSON and CYRIL HERBERT JOHNSON, Toronto, Ontario, Canada, assignors of one-third to John Armstrong Hume, Toronto, Canada. Filed Jan. 19, 1924. Serial No. 687,392. 2 Claims. (Cl. 40—130.)



1. An advertising device comprising a base plate, side walls extending upward from the rear portion of the base plate, an advertisement slide, a slide holder carrying the advertisement slide and slidably engageable with the upper edges of the aforesaid side walls, securing means capable of being sealed for securing the advertisement slide holder in its inward position, an incandescent bulb located beneath the slide and carried by the slide holder, a pivoted change receiver also mounted upon the base plate, a circuit for the bulb, stationary contacts forming the terminals of such circuit and a bridging closure carried by the change receiver adapted to close said contacts when the change receiver is depressed.

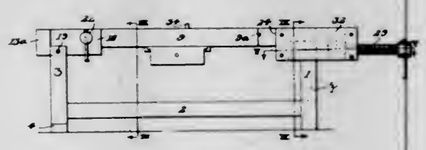
1,508,978. ATTACHMENT FOR TIRES. HARRY E. JONES, El Paso, Tex., assignor of one-third to Daniel E. Fowler and one-third to Frank R. McKay, both of El Paso, Tex. Filed Aug. 31, 1923. Serial No. 660,350. 1 Claim. (Cl. 152—17.)



In combination with a rim having clincher flanges and a vehicle tire mounted thereon having compressible beads engaging within the clincher flanges of the rim, of a supplemental casing secured over the tire and having beads extending outwardly of the beads of the tire,

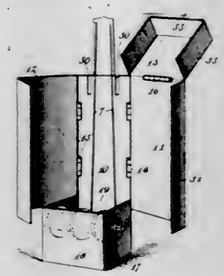
and auxiliary rim sections upon both sides of the wheel, said sections composed of base portions lying substantially horizontally beneath the outer supplemental beads and resting directly upon extensive surfaces of the rim flanges; the outer edges of the sections having clincher flanges thereon adapted to engage over the supplemental beads to prevent separation inwardly of the base portions from the supplemental beads, the inner edge portions of the sections being scalloped having between the scallops downwardly and outwardly turned hooks, the outwardly-turned portions of the hooks extending substantially horizontally and parallel with the base portions, said base portions and hooks being separated by substantially the thickness of the rim flanges to avoid rocking in or out of the section on the rim flanges, the hooks being relatively large to compress the tire bead in the rim flanges to avoid inward movement of the hooks.

1,508,979. CARPENTER'S TABLE. PETER KELLER, Montreal, Quebec, Canada. Filed May 11, 1923. Serial No. 638,302. 1 Claim. (Cl. 144—286.)



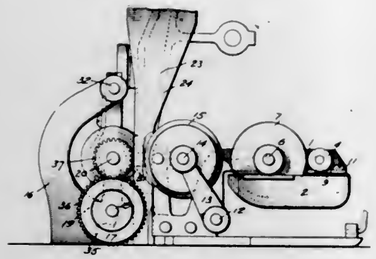
In a carpenter's bench, a bench top having one corner cut away to provide a rectangular rabbet, a cross member extending under the end of the table top and projecting across the cutaway corner, the projecting portion of said cross member being reduced in height to provide a rabbeted outer upper corner, a clamping frame top member resting on said reduced end and slidable thereacross, a depending clamping shoulder at the inner end of the top bar and having a laterally extending arm projecting beneath the table top, a depending shoulder on the outer end of the top bar provided with a lateral clamping extension, extending along the end of the table top, a brace rod connecting said extensions and extending longitudinally beneath the table top, a securing member extending transversely beneath the table top and having a notch in its upper surface to receive the brace bar slidably, means to secure the securing member removably to the table top, and means to adjust the clamping member.

1,508,980. RECEPTACLE FOR FLAGS. AMBROSE VINCENT KELLY, Brooklyn, N. Y. Filed July 15, 1922. Serial No. 575,214. 4 Claims. (Cl. 220—1.)



1. A device of the character described comprising a receptacle, a rear wall projecting above said receptacle, side walls hinged to the rear wall and adapted to embrace said receptacle, and a top wall hingedly secured to one of the side walls and adapted to close said receptacle.

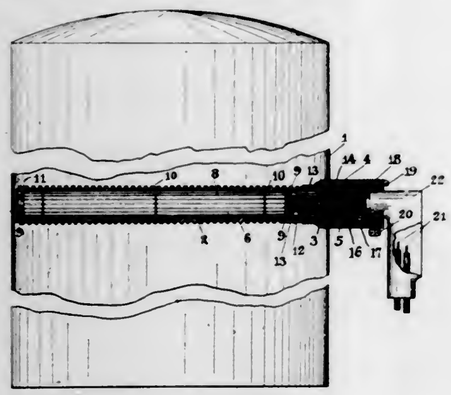
1,508,981. PASTING DEVICE FOR PACKAGING MACHINES. EUGENE G. KERLIN, Salem, Va., assignor to Comas Cigarette Machine Company, Salem, Va., a Corporation of Virginia. Filed Aug. 25, 1922. Serial No. 584,290. 7 Claims. (Cl. 91—50.)



1. A pasting device comprising a glue-pot, delivery rollers, guide rollers, transfer rollers aligned therebetween, and means for alternately shifting said transfer rollers between the delivery and guide-rollers.

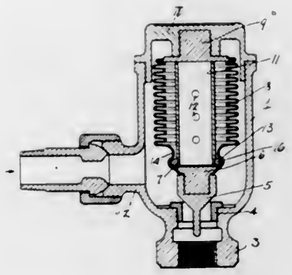
7. A pasting device comprising a glue-pot, delivery rollers rotatably mounted above said glue-pot, guide rollers aligned with said delivery rollers, transfer rollers mounted upon rocker arms aligned between said delivery rollers and guide rollers, means for shifting said rocker-arms whereby the transfer rollers alternately engage said delivery rollers and guide-rollers, a paper feed adapted to deliver a plurality of strips between said guide rollers and transfer rollers, stop fingers arranged in the path of travel of said plurality of strips, feed-rollers arranged between said stop fingers comprising a stationary and movable roller, and means for simultaneously shifting said stop fingers out of the path of travel of the plurality of strips of paper, and shifting the feed rollers into engagement with said plurality of strips of paper, whereby the paper is fed downwardly between the guide and transfer rollers.

1,508,982. ELECTRIC WATER HEATER. JAMES ALEXANDER MACDONALD, Brantford, Ontario, Canada. Filed Sept. 28, 1922. Serial No. 591,082. 26 Claims. (Cl. 219—38.)



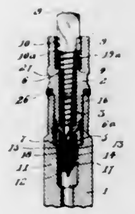
1. In an electric heater, the combination of a substantially solid cylindrical core of refractory non-conducting material having a plurality of narrow slits formed longitudinally thereof; and a resistance element of lesser depth than and mounted in said slits, said resistance being held in the bottom of the slits by dielectric cement.

1,508,983. VALVE FOR STEAM SYSTEMS. MAX P. MILLER, Cleveland Heights, and HAL T. PATTON, Cleveland, Ohio, assignors to The Bishop & Babcock Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 29, 1920. Serial No. 354,843. 3 Claims. (Cl. 236—58.)



1. In a device of the character described, the combination of an open casing having a passage therethrough; a cover therefor; a plug mounted on the inner side of said cover; an open ended, expansible bellows member mounted on and closed by said plug, said member extending into said casing, said bellows having a narrowed closed inner end, a reinforcing collar mounted within such closed end, a valve, and a frusto-conical disk shaped connection attached to said valve and engaging over the narrowed end of said bellows opposite such reinforcing collar therein.

1,508,984. PNEUMATIC-TIRE VALVE. FREDERICK MYERS, New York, N. Y. Filed Nov. 11, 1922. Serial No. 600,279. 14 Claims. (Cl. 152—12.)

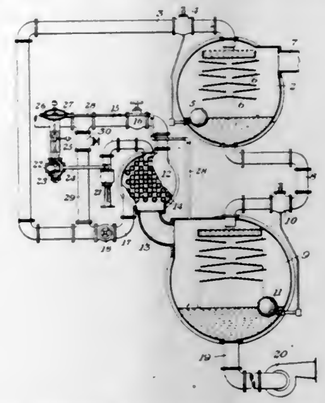


1. In a pneumatic tire valve, a tensioned one-piece valve stem, and a spring supported valve slidably carried by the stem.

14. In a pneumatic tire valve, a tensioned valve stem, a valve carried thereby, and stationary means cooperating with said valve stem adapted, when the valve stem is rotated in reverse directions, for holding the valve either locked on its seat or spaced therefrom, said means being constructed to cause longitudinal movement of the valve stem when the valve stem is rotated for locking the valve on its seat.

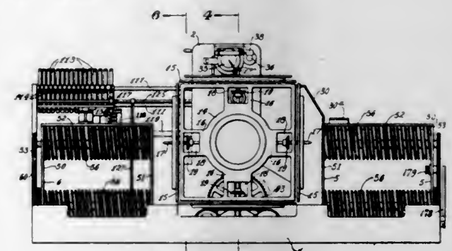
1,508,985. METHOD AND APPARATUS FOR TREATING LIQUID. JOHN R. MCDERMET, Jeannette, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1923. Serial No. 680,923. 25 Claims. (Cl. 183—2.5.)

1. In an apparatus for treating liquid, a chamber adapted to have a predetermined pressure maintained therein, a condenser communicating with said chamber, a steam ejector for withdrawing non-condensable gases



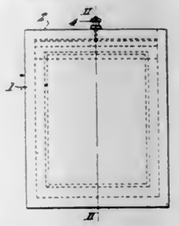
from the condenser, and means for varying the total amount of steam to said ejector in accordance with variations in the pressure in said chamber.

1,508,986. PHONOGRAPH. MALCOLM L. ORD, Colorado Springs, Colo. Filed July 27, 1922. Serial No. 577,944. 23 Claims. (Cl. 274—10.)



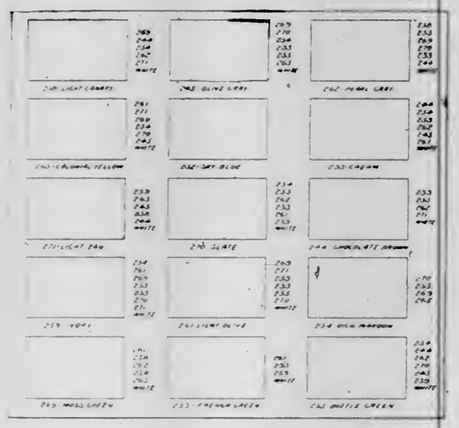
5. In a phonograph, a record carrier, comprising, a rotatable turret, turn-tables mounted for rotation on said turret, means for delivering records to and removing them from said turn-tables, means for positioning one of said turn-tables for playing, and means for driving said positioned turn-table.

1,508,987. BATTERY OF DRY CELLS AND PROCESS OF ASSEMBLING THE SAME. CARL SEAVERNS RIDER, Lansing, Mich., and ALTON KARL HUNTLEY, Madison, Wis., assignors to National Carbon Company, Inc., a Corporation of New York. Filed Mar. 11, 1922. Serial No. 543,095. 8 Claims. (Cl. 204—38.)



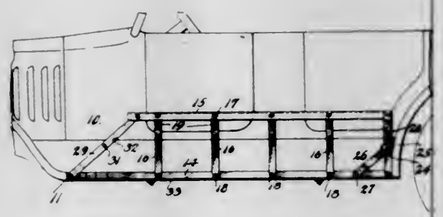
4. A dry cell battery comprising a casing, a plurality of flat cells in juxtaposition and having depolarizers spaced from the casing and an insulating material in which the depolarizers are embedded.

1,508,988. COLOR CHART. NORTON A. ROSS, Cleveland, Ohio, assignor to The Patterson-Sargent Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 16, 1919. Serial No. 324,198. Renewed Aug. 18, 1924. 4 Claims. (Cl. 283—1.)



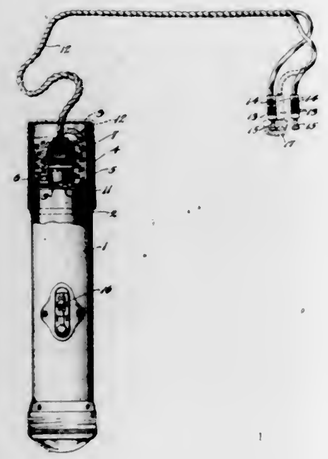
1. The combination of color charts comprising a chart bearing a series of colored panels representing by their colors a series of primary color paints certain of which are combinable with each other to produce secondary paints having distinctive colors, said chart having identifying marks associated with said colored panels, and another chart bearing a series of colored panels representing by their colors the aforesaid secondary paints, the last named chart having associated with each of its colored panels a corresponding legend indicating by the use of said identifying marks the primary paints that are combinable to produce the secondary paint in question.

1,508,989. LUGGAGE CARRIER. GILBERT A. ROTH, Hastings, Nebr. Filed Dec. 29, 1922. Serial No. 609,664. 23 Claims. (Cl. 224—29.)



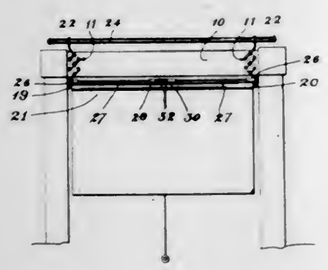
11. In a luggage carrier, a base member, a relatively movable top member, and folding connecting elements, said members being constructed and arranged to form a housing to enclose said elements when in folded position.

1,508,990. FLASH-LIGHT ATTACHMENT. FREDERICK J. SCHMIDT, Steelton, Pa. Filed Sept. 25, 1922. Serial No. 590,460. 1 Claim. (Cl. 175—183.)



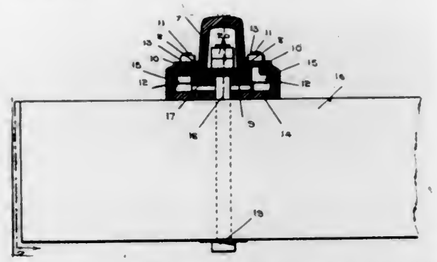
A shell having an enclosing support formed with a fixed central socket and an opening at its base and an extension cord unit adapted to be stored in the space surrounding said socket and having a plug one terminal of which contacts with the socket and the other terminal passing through said opening for contact with a flashlight battery.

1,508,991. COMBINATION SHADE AND CURTAIN HOLDER. JOHN H. SENDLAK, Saskaton, Saskatchewan, Canada. Filed Mar. 19, 1923. Serial No. 625,968. 1 Claim. (Cl. 156—23.)



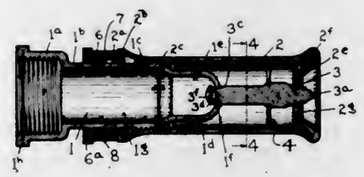
A combination shade bracket and curtain rod support comprising a pair of sleeves, rods slidable in said sleeves, friction pads fixed on the outer ends of said rods, a sleeve receptive of the inner adjacent ends of said rods, a coiled compression spring filling said central sleeve abutting the ends of the rods to press the pads outward, grips on said rods extending outward through slots in the central sleeve for retracting said pads, plates fixed on the outer ends of the first named sleeves, the lower portions of said plates being adapted to receive the pintles of a shade roller, lazy tong elements extending from the upper portions of said plates, and means to support a curtain pole at the outer ends of said lazy tong elements.

1,508,992. RAILROAD RAIL. ELMER C. SHAVER, New York, N. Y. Filed Sept. 27, 1923. Serial No. 665,118. 14 Claims. (Cl. 238—122.)



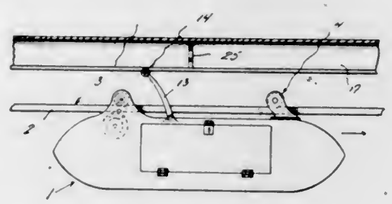
1. A rail comprising a base section, an intermediate section mounted yieldingly above the base section, and a tread section secured detachably on the intermediate section.

1,508,993. NOZZLE. HOWARD B. SHERMAN and FREDERICK HANLAN, Battle Creek, Mich., assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a Corporation of Michigan. Filed Jan. 21, 1922. Serial No. 530,836. 4 Claims. (Cl. 299—131.)



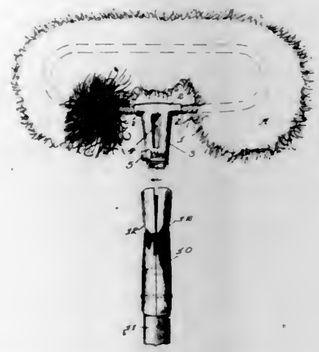
3. In a nozzle; a base; a spindle; a sleeve having an outlet orifice; a valve member having a conical head adapted to close the said orifice, and an integral inwardly extending stem, the inner end of the stem being loosely connected to the inner end of the spindle within the sleeve, so that the valve may have lateral play on the spindle in the sleeve; and a guide spider attached to the valve stem and slidably supporting the valve in the sleeve while permitting slight lateral movement thereof.

1,508,994. PARCEL-DELIVERY SYSTEM. WILLIAM F. SHYLER, Meadville, Pa. Filed May 24, 1924. Serial No. 715,736. 3 Claims. (Cl. 104—93.)



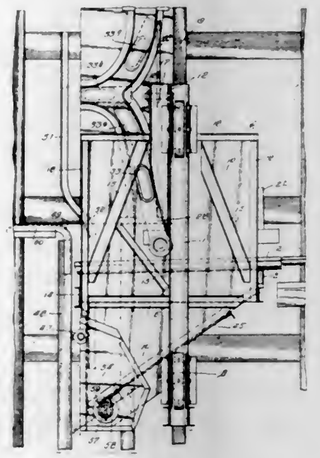
2. In a device of the class described, a support, brackets carried by and extending laterally outwardly from said support, said brackets being provided with vertically disposed portions spaced outwardly from said support, the upper end of said vertical portion of the bracket being equipped with transversely spaced lugs, said lugs being spaced inwardly from the edges of said vertical portions to provide rail seats, and a track supported from the vertical portions of said brackets, the rails of said track engaging said seats and said lugs.

1,508,995. MOP HEAD AND DETACHABLE CONNECTION THEREFOR. DAVID L. SILVER, Clayton, N. J., assignor to Silver-Chamberlin Co., Clayton, N. J., a Corporation of New Jersey. Filed Aug. 24, 1922. Serial No. 584,034. 1 Claim. (Cl. 15—145.)



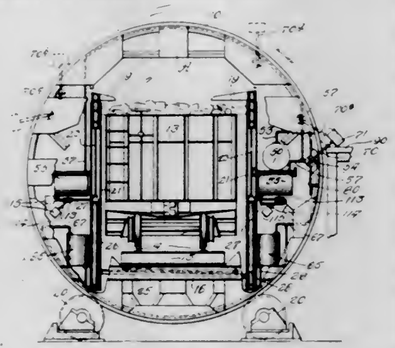
The combination with a mop head provided with a body of twisted wires constituting a mop fabric support having oppositely facing end portions disposed in substantial axial alignment, of a stem provided at one end with flanges carrying extensions which project laterally on each side of said stem and along said end portions, said flanges and extensions being so die-pressed around the end portions of the body of twisted wires that the material of the flanges is permanently forced into the convolutions of the spirals of wire constituting said body, and means carried by the other end of the stem adapted for detachable connection to a mop handle.

1,508,996. HOISTING AND DUMPING APPARATUS. GEORGE N. SIMPSON, Pittsburgh, Pa., and ARTHUR M. SIMPSON, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 489,940. 17 Claims. (Cl. 214—122.)



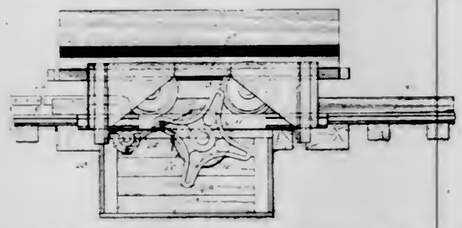
1. In a car hoisting and dumping apparatus, a cage adapted to receive a loaded car, a rotatable car supporting cradle within such cage, an arm attached to the cradle, a shoe on the end of the arm, means for hoisting the cage, and means acting through the movement of the cage to turn the arm to rotate the cradle and overturn the car, said means including a Y-shaped guide adapted to engage the shoe on the end of the arm.

1,508,997. AUTOMATIC CAR-HOLDING MECHANISM. GEORGE N. SIMPSON, Pittsburgh, Pa., and ARTHUR M. SIMPSON, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 489,941. 4 Claims. (Cl. 214—52.)



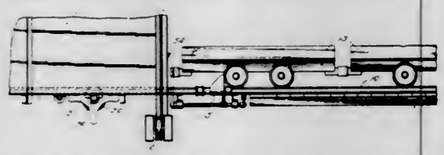
1. In combination with a rotatable cage adapted to hold a car to be dumped, means on the cage for holding the car on the rails during rotation of the cage, independent power means on the cage for operating the car holding means, said independent power means including a cylinder with a movable piston therein and fluid under pressure, and means automatically operated by rotation of the cage for causing the independent power means to operate the car holding means.

1,508,998. CAR CONTROL. GEORGE N. SIMPSON and ARTHUR M. SIMPSON, Chicago, Ill. Filed July 14, 1923. Serial No. 651,511. 3 Claims. (Cl. 188—63.)



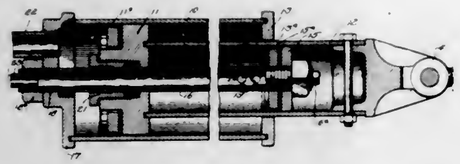
1. A device of the character described, comprising a rotatable member arranged in proximity to a car track and having arms adapted for successive engagement by parts on cars passing on said track, means for substantially preventing raising of a car part, upon engagement with one of the arms of said rotatable member, and means for controlling the rotation of said rotatable member.

1,508,999. CAR CONTROL. GEORGE N. SIMPSON and ARTHUR M. SIMPSON, Chicago, Ill. Filed July 14, 1923. Serial No. 651,512. 12 Claims. (Cl. 214—35.)



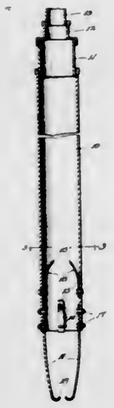
1. In a device of the character described, a car containing structure, an approach track leading to the car containing structure, a movable stop on the approach track, and means on the car containing structure for setting the stop, said means adapted to be operated by successive engagement of a predetermined number of parts on passing cars.

1,509,000. POWER MECHANISM. GEORGE N. SIMPSON, Chicago, Ill. Filed Mar. 17, 1924. Serial No. 699,853. 4 Claims. (Cl. 138—9.)



1. A device of the character described; a cylinder; a piston therein; a hollow push rod attached to the piston and extending through the front head of the cylinder; a smaller piston in the hollow push rod; a connection between the smaller piston and the rear head of the cylinder, said connection extending through the larger piston; a port entering the large cylinder behind the large piston; and a passage extending from the atmosphere to the inside of the push rod behind the smaller piston.

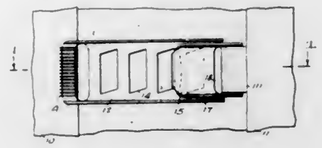
1,509,001. PUMP ROD AND VALVE GRAB. GEORGE SMITH, Mullen, Nebr. Filed Aug. 7, 1923. Serial No. 656,266. 1 Claim. (Cl. 294—114.)



In a pump rod and valve grab, the combination of a sleeve, a pair of coacting diametrically disposed flat spring jaws rigidly fixed at their lower ends against the inner face of the sleeve at its lower end to extend upwardly within the sleeve and curved toward each other at their free ends, a second pair of coacting diametrically disposed flat spring jaws rigidly fixed at their lower ends against the inner face of the sleeve substantially at the plane of the upper ends of the former pair of jaws to extend upwardly within the sleeve, the latter pair of jaws being disposed in a plane at a right angle to the plane of the former pair of jaws and being curved toward each other at their free ends, a pair of coacting diametrically disposed flat spring jaws depending from the lower end of the sleeve, and fastening devices extending through the sleeve and said latter pair of jaws detachably connecting such jaws with the sleeve.

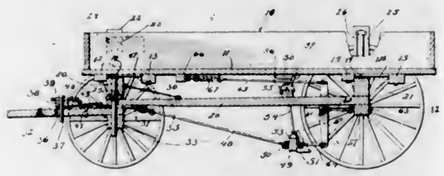
1,509,002. DOUBLE-LOCKING HOOK AND EYE. WELLING C. SOULE, Savannah, N. Y. Filed Feb. 27, 1923. Serial No. 621,598. 2 Claims. (Cl. 24—26.)

1. A fastening device, comprising two members, longitudinal flanges on both members and one member constructed to fit within the other and held by the flanges against accidental lateral displacement or angular movement, a hook on one of said members, and the other



of said members having an eye therein so shaped as to permit entrance and exit of the hook only when one of the members is positioned at an angle to the other.

1,509,003. AUTOMATIC WAGON BRAKE. DANIEL SOWARDS, Kettle Falls, Wash. Filed Mar. 23, 1923. Serial No. 627,125. 2 Claims. (Cl. 188—178.)



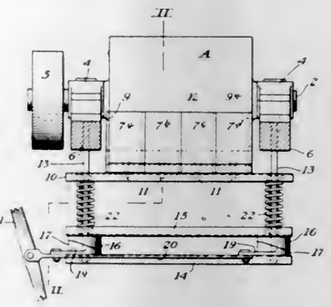
2. An automatic brake for wagons comprising a wagon frame having front and rear bolsters, roller bearings on said bolsters, a box supported by said roller bearings, two-armed levers mounted vertically to oscillate on the front side of the rear axle of the wagon, links between the rear axle and said levers forming fulcrums therefor, one arm of each lever having yieldable connection with said box, a brake beam carrying brake blocks and mounted to oscillate on said frame and having a link connection with the other arms on said two-armed levers, a tree carrying a pintle, said pintle being mounted to slide in longitudinal direction on said frame, and links positively connecting said pintle with said brake beams; whereby upon the pull on the tree being discontinued when the wagon is going downgrade, said box actuated by gravity, will slide forward and communicate its movement through said yieldable connection to said levers thus applying the brake blocks against the rear wheels.

1,509,004. PUNCTURE-SEALING COMPOUND. OSRO S. STEVENS, Waxahachie, Tex., assignor of one-half to P. Blanchard & Sons, Palestine, Tex. Filed Oct. 9, 1922. Serial No. 593,419. 2 Claims. (Cl. 134—17.5.)

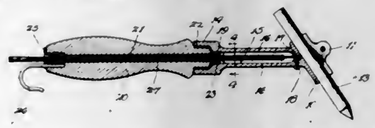
2. The herein described tube sealing compound, comprising the following ingredients in substantially the proportions named, eight ounces of powdered cork, five ounces of powdered mica, two ounces of soap tree bark, two ounces of a mixture of Epsom salts and salt, and one gallon of distilled water.

1,509,005. CRUSHING ROLLS. FRANCIS J. STRAUB, New Kensington, Pa. Filed Feb. 7, 1922. Serial No. 534,705. 2 Claims. (Cl. 83—12.)

1. In a crusher of the class described, the combination with a pair of spaced crushing rolls and a frame therefor, of an intervening wedge shaped resisting member composed of a series of interlocking sections having concave tapering faces conforming to the curvature of the rolls, a longitudinal supporting bar therefor, bolts connecting each section with the bar, stems suspended from the frame forming guides for the supporting bar, a lower supporting frame suspended below the bar, intervening cushioning springs engaging the ends of the bar and resiliently supporting the several sections, and means for varying the tension of the springs.

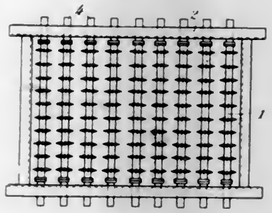


1,509,006. ELECTRODE HOLDER. EARL B. THOMAS, Atlantic City, N. J. Filed Feb. 28, 1923. Serial No. 621,870. 3 Claims. (Cl. 219—8.)



1. An electrode holder including a skeleton shank terminating at one end in a split sleeve to removably receive an electrode and at its opposite end in a socket to removably receive a handle, and a handle engaged in said socket.

1,509,007. DISCHARGING DEVICE FOR ELECTRIC FURNACES. CARL THEODOR THORSSELL and ERIK CHRISTIAN BECK-FRIIS, Gottenborg, Sweden. Filed June 20, 1921. Serial No. 479,042. 4 Claims. (Cl. 204—64.)



1. In electrically heated furnaces for heating electrically conductive material a grate-shape device carrying said material and consisting of a plurality of parts which are electrically insulated from each other.

1,509,008. FOUNTAIN PEN. JAMES M. WALLACE, Spartanburg, S. C. Filed Dec. 19, 1922. Serial No. 607,899. 2 Claims. (Cl. 120—47.)

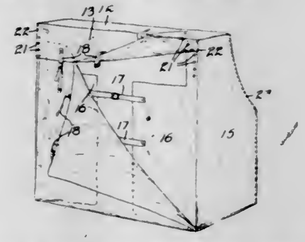
1. In a fountain pen, a barrel equipped with the usual writing point, the barrel having interior threads at one end, a nipple formed exteriorly and interiorly with threads, the said nipple being threaded at one end into the threaded end of the barrel, a piston comprising a head, and a stem for the piston comprising connected telescopic sections, one of said sections being exteriorly threaded and screwed into the head, the said section

having a part of its exteriorly threaded portion extending beyond the end of the head into which the said section is threaded, whereby, when the piston head is re-



tracted, the projecting end of the said stem section may be rotated through the connection provided between the telescopic stem sections and threaded into the said nipple.

1,509,009. DUSTPROOF PIANO COVER. LAURENCE R. WEINBERG, Cleveland, Ohio. Filed May 23, 1922. Serial No. 563,026. 3 Claims. (Cl. 45—68.)



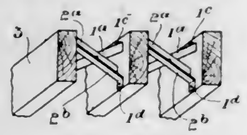
3. A one-piece dust proof piano cover comprising a body section, top and bottom sections adjacent the body section and extending in opposite directions therefrom, said top section having an extension adapted to overlap the opposite side of a piano from the body section, said bottom section having an extension adapted to also overlap the opposite side of a piano, a pair of similarly shaped end sections adjacent opposite edges of the body section, each of said end sections having extensions forming flaps, the arrangement being such that when applied to a piano the extensions on the top and bottom sections overlap the flaps on the end sections to inclose all the edges of the piano, substantially as set forth.

1,509,010. SIGNALING DEVICE. JOHN M. WENZEL, Chicago, Ill. Filed June 3, 1922. Serial No. 565,622. 6 Claims. (Cl. 177—311.)



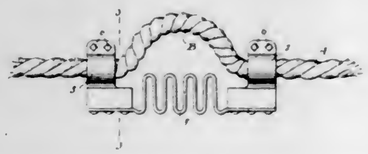
5. The combination with an electrically operated door-operating device, and an energizing circuit therefor; of a branch circuit connected to said energizing circuit, a signal device interposed in the branch circuit, door-controlled circuit-closers interposed in both circuits and operating to close the branch circuit when the door opens, and simultaneously therewith to cut out the door-releasing device, a switch contact to which the branch circuit and one side of the energizing circuit are connected, and a movable switch member adapted to engage said contact, to which switch member the other side of the energizing circuit is connected.

1,509,011. STRUT FOR FLOOR JOISTS. JAMES MCDOWELL WHITESIDE, Bangor, Ireland. Filed Jan. 14, 1924. Serial No. 685,997. 2 Claims. (Cl. 20—9.)



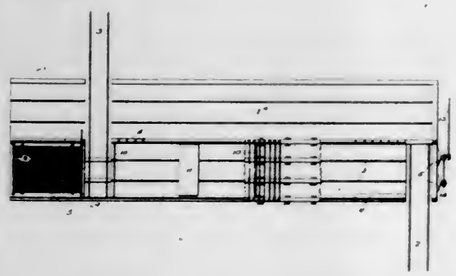
1. A collapsible crossed strut or trussing for floor joists and the like having in combination two metal angle bars pivoted together, and having a sid of each angle bar at each end thereof bent parallel with the adjacent joist and orificed to receive an attaching member such as a nail.

1,509,012. MOORING LINE. ROBERT R. WHITING, Darien, Conn. Filed Apr. 12, 1924. Serial No. 706,149. 2 Claims. (Cl. 114—215.)



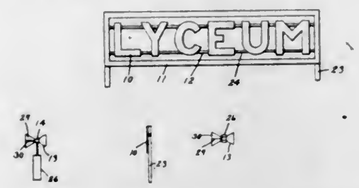
1. A strain-relieving device in lines, comprising in combination with a mooring line, a plurality of clamps adapted to be secured to the mooring line, a bight formed in the mooring line between said clamps, and means connecting said clamps, said means consisting of a resilient element.

1,509,013. VENEER KILN. PATRICK M. WILLIAMS, North Wilkesboro, N. C., assignor to L. Moore Dry Kiln Co., Jacksonville, Fla., a Corporation of Florida. Filed May 22, 1920. Serial No. 383,530. 1 Claim. (Cl. 34—46.)



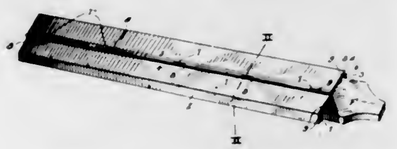
A kiln having a heater at one end, suction means at the other, the heated end having an inlet opening of limited size, and a roof sloping away from said opening, whereby incoming air is forced to pass directly through and over said heater, and is permitted to expand as it progresses from said opening into the kiln, and means for varying the amount of air sucked in through said inlet.

1,509,014. ILLUMINATED SIGN. CHARLES M. YOUNG, New Britain, Conn. Filed May 9, 1923. Serial No. 637,787. 3 Claims. (Cl. 40—130.)



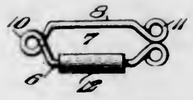
2. In an illuminating sign structure, a sign having display characters with the exposed face portion of reflective character and with a variegated and uneven surface, a lighting structure for illuminating said sign having a lamp socket structure, a rod supporting said socket structure, a spring serving as means for supporting said rod, and means for loosely guiding said rod.

1,509,015. FILE SHEATH. TADEUSZ ZDRODOWSKI, Pittston, Pa. Original application filed Nov. 23, 1922, Serial No. 602,908. Divided and this application filed Oct. 30, 1923. Serial No. 671,808. 1 Claim. (Cl. 206—16.)



In a file sheath, an elongated sheath casing having one end open and the other end closed, said sheath casing consisting of a bottom wall, integral end walls, and an integral upper wall section, a hinged upper wall section carried by one of the end walls of the casing, a fabric lining for the casing secured at one longitudinal edge to the free edge of the integral upper wall section by means of spurs carried by said wall section, and resilient devices for retaining the hinged section in closed position.

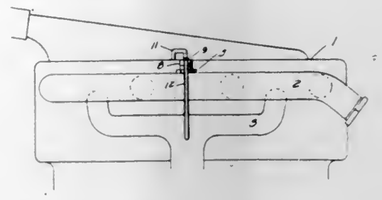
1,509,016. SUPPORTER FOR AN INNER GARMENT OF FEMALE WEAR. GEORGE B. MERSHON, Jr., Philadelphia, Pa. Filed July 18, 1923. Serial No. 652,273. 4 Claims. (Cl. 241—12.)



1. A lingerie clasp comprising a member of wire bent in the middle to form an eye adapted to be sewn to an outer garment, the branches of said member being extended in parallelism and in spaced relation for a portion of their extent with their ends converged to abutting, tensioned relation, the converging ends each being bent outwardly and inwardly to form eyes of which one is adapted to be sewn to an outer garment, said abutting ends being separable for lingerie strap insertion.

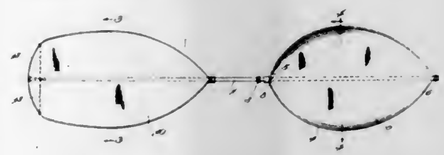
1,509,017. FUEL ECONOMIZER FOR EXPLOSIVE ENGINES. LLOYD W. MILLER and IRVIN C. DEVALL, Bessemer, Pa. Filed June 22, 1922. Serial No. 570,149. 4 Claims. (Cl. 123—25.)

1. An engine humidifying device of the character specified comprising a shell having an air inlet and provided in its lower portion with a valve member, and a head closing the upper end of the shell and formed with inflow and outflow passages, and having a tubular stem extending



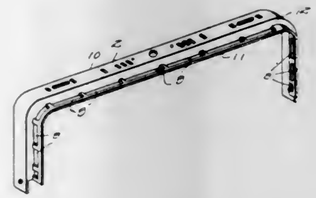
into the shell and normally closed by the said valve member, the latter being automatically unseated by unequal expansion of the parts when the device is in operation.

1,509,018. GLIDER. FREDERICK C. MORTON, Minneapolis, Minn. Filed July 6, 1923. Serial No. 649,950. 2 Claims. (Cl. 244—12.)



1. A glider comprising a body stick, means on the body stick for projecting it into the air, forward and rear planes carried by the body stick, said rear plane being convexly curved and presenting its convex surface upwardly, the forward plane being concavely curved and presenting a concave surface upwardly, and a rudder carried by the body stick.

1,509,019. FRAME FOR HAND BAGS. SEWERYN MOSCICKI, New York, N. Y. Filed Dec. 5, 1922. Serial No. 605,044. 2 Claims. (Cl. 190—49.)

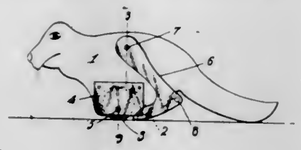


1. A frame for bags of the class described consisting of sections, one of the sections being movable relatively to the other, each section having a laterally offset perforated flange for attachment of the bag body thereto, said flanges being substantially parallel to the outer surfaces of the sections and inwardly offset with respect to said outer surfaces.

1,509,020. TOY. FRANCIS M. MULLIGAN, Butte, Mont. Filed Feb. 11, 1922. Serial No. 535,824. 1 Claim. (Cl. 46—45.)

A toy comprising a body having a tail extending at one end which is adapted to engage the surface upon which the toy is placed, said body having a recess formed in its lower edge, an eccentrically arranged roller ar-

ranged in the recess for engaging the said surface, a leg pivotally secured to each side of the body above the roller and arranged to move downwardly and forwardly



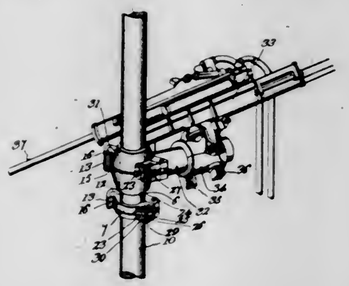
under the action of gravity as the body is raised by the roller and to be moved backwardly through engagement to the supporting surface when the body is lowered.

1,509,021. COUPLING FOR DRAIN PIPES AND THE LIKE. JOHN F. NEHLIG, Ashland, and HARRY K. NEHLIG, Laurel Springs, N. J. Filed Apr. 9, 1924. Serial No. 705,196. 8 Claims. (Cl. 285—185.)



1. A coupling of the character stated comprising a ring-like member the central opening of which has a continuous fluted or corrugated wall and the under-face of which member is inwardly tapered.

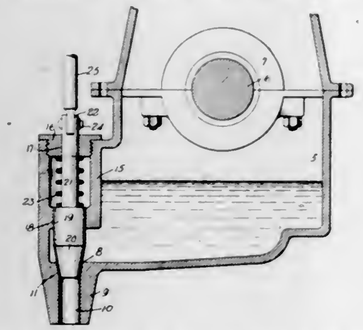
1,509,022. CLAMP. ERNEST E. NOBLE, Lead, S. Dak. Filed July 16, 1923. Serial No. 651,956. 2 Claims. (Cl. 255—51.)



1. A clamp comprising a substantially semicircular member having a head at one end with a recess therein open at one end only, and having a slot in its side wall, a second substantially semi-circular member having a trunnion fitted axially in said recess and provided with a narrow neck adapted to turn in said slot, and removable fastening means at the other ends of said members.

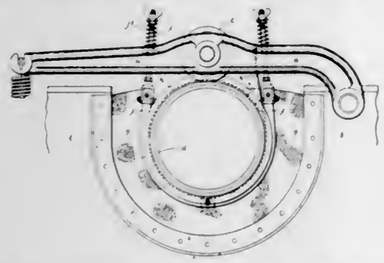
1,509,023. CRANK-CASE CONSTRUCTION. VICTOR W. PAGE, New York, N. Y. Filed Apr. 15, 1921. Serial No. 461,713. 1 Claim. (Cl. 137—21.)

In a crank case having a discharge opening, a chamber formed on one of the side walls of the crank case and positioned interiorly thereof, a tapered plug having a reduced extension, said tapered plug being slidably mounted in the bottom wall of said interior chamber, a coil spring surrounding the reduced extension of the tapered plug and serving to maintain the tapered plug in position in the discharge opening of the crank case, means exterior of the crank case for operating said



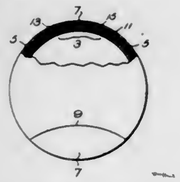
tapered plug to remove the same from the drain opening of the crank case, and means for maintaining said tapered plug out of engagement with said drain opening against the action of said coil spring.

1,509,024. MACHINE FOR STRAINING PAPER PULP AND THE LIKE. JOHN PARAMOR, Watford, England, assignor of one-half to The Watford Engineering Works, Limited, Watford, England. Filed Feb. 15, 1923. Serial No. 619,280. 4 Claims. (Cl. 92—36.)



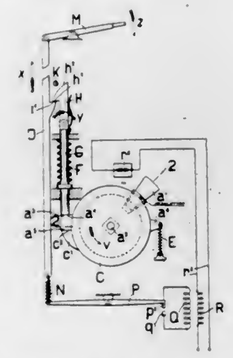
2. In a paper-pulp straining machine of the rotating and vibrating drum type, the combination, with the respective drum-trunks, of a pivoted saddle-arm, a looped strap of flexible material suspended from the said saddle-arm and embracing the lower portion of the drum-trunks, and an apron composed of elastic material; the inner edge of the elastic apron being attached to the looped portion of the strap, whilst the outer edge thereof is secured water-tight to the pulp-vat.

1,509,025. BALL. JOHN W. PATTERSON, New Haven, Conn., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a Corporation of Massachusetts. Filed Mar. 22, 1920. Serial No. 367,729. 5 Claims. (Cl. 46—4.)



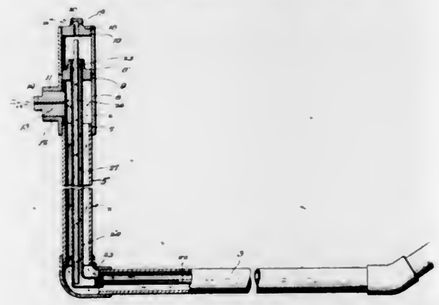
1. A hollow ball having a wall comprising two layers of tough rubber composition and an intermediate layer of soft substantially sulphur-free gum rubber.

1,509,026. ELECTRIC TIME SWITCH. JAKOB PFRETZSCHNER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 24, 1922. Serial No. 546,379. 10 Claims. (Cl. 200—33.)



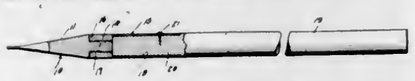
6. In subcombination a switching and unswitching means comprising two abutting parts with a lost motion spring connection between them, said parts having the mechanical characteristic of a differential kinetic response to a given impulsive action, and means for returning said parts to normal abutting relationship.

1,509,027. APPARATUS FOR DESTROYING TREE STUMPS. EDWARD S. PHILLIPS, Seattle, Wash. Original application filed Nov. 21, 1918, Serial No. 263,566. Divided and this application filed Oct. 12, 1922. Serial No. 594,085. 5 Claims. (Cl. 158—28.)



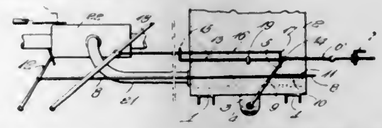
2. A burner including an outer air conducting tube having a discharge orifice opening through one side near the end thereof, a tip supported from the end of said tube and spaced from the orifice and out of communication therewith and positioned to discharge in the same direction as the said orifice, and a liquid fuel conducting tube extending within the first-mentioned tube but out of communication therewith and having its discharge end at the said tip.

1,509,028. COMBINATION CLEANER AND TAMPER. JAMES PHILLIPS, Hazleton, Pa. Filed July 28, 1923. Serial No. 654,474. 2 Claims. (Cl. 86—21.)



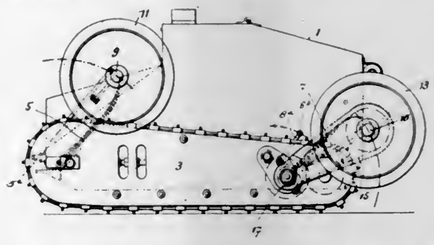
1. A mining tool having a cleaner at one end provided with an elongated cleaning blade, a screw threaded shank extending from said blade, a socket member having an inwardly enlarged end in screw threaded engagement with said shank, said socket member having a hollow, an elongated rod of wood extending into and secured in the hollow.

1,509,029. ROADWAY SANDER. OMI GRANT PHILLIPS, Portland, Oreg. Filed Dec. 1, 1923. Serial No. 678,055. 3 Claims. (Cl. 291—19.)



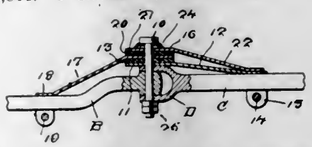
1. A roadway sander comprising sanding means adapted to be carried by a brake equipped vehicle, elastic operating means for said sanding means adapted for connection with the brake mechanism of the vehicle to operate the sanding means when the brakes are applied, and means engaged with the sanding means for holding the latter against operation when the brake mechanism is actuated.

1,509,030. ENDLESS-TRACK VEHICLE. IRÉNÉ ROY, Paris, France. Filed June 28, 1920. Serial No. 392,308. 1 Claim. (Cl. 180—9.1.)



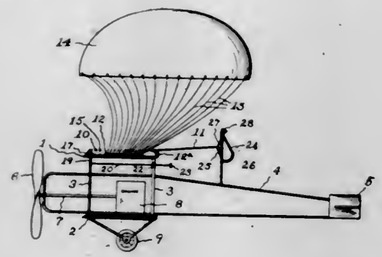
In a motor-vehicle, the combination of a frame, two endless tracks, raisable wheels mounted on this frame and adapted to be geared into different positions with reference to this frame so as to cause the vehicle to rest sometimes upon the endless tracks and sometimes upon the wheels, a motor, a cross-shaft divided into two parts, a differential gear interposed between said motor and shaft, brakes with independent drive means respectively arranged on these parts of shaft, two fixed cross-shafts, sleeves free to revolve and to slide on these latter shafts and driven by said parts of shaft, two chain pinions revolving loosely on every one of these sleeves, driving the one, the wheel, the other the respective endless track, and means for connecting at will the one or the other of these pinions with the corresponding sleeve.

1,509,031. JOINT-TIGHTENING DEVICE. CARL R. SANDSTROM, Austin, Tex. Filed Sept. 4, 1923. Serial No. 660,844. 4 Claims. (Cl. 287—100.)



1. Means for tightening the pivotal connection of two elements comprising metallic disks formed with extensions terminating in clips engaged upon said members, a fiber disk disposed between said metallic disks, and a bolt passing through all of the disks and carrying a clamping nut, and a spring washer engaged upon the uppermost metallic disk and engaged beneath the head of the bolt.

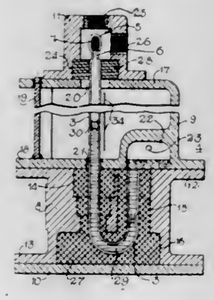
1,509,032. PARACHUTE ATTACHMENT FOR AIRSHIPS. IGNAZIO J. SCALISI, Cleveland, Ohio. Filed Feb. 18, 1924. Serial No. 693,430. 5 Claims. (Cl. 244—21.)



1. The combination with an airship including a supporting plane having a parachute receiving compartment arranged entirely between the normal surfaces thereof, a cover for the compartment which constitutes one of the surfaces of the plane when in a closed position, a parachute anchor arranged within the compartment and firmly secured to the frame of the airship, a collapsible parachute normally housed within the compartment and attached to the said anchor, and means for opening the cover to release the parachute in an emergency.

3. The combination with an airship provided with a parachute receiving compartment, of a cover for the compartment, a parachute adapted to be collapsed within the compartment, means for opening the cover, and a member projecting from the airship and provided with means for engaging the cover to hold it in an open position.

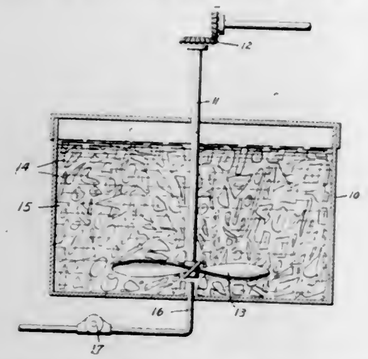
1,509,033. CONDENSER-EFFICIENCY GAUGE. ARTHUR EDWIN LEIGH SCANES, Ashton-on-Mersey, England. Filed Nov. 4, 1922. Serial No. 599,041. 11 Claims. (Cl. 73—51.)



1. A gauge of the character stated comprising a tube adapted to contain liquid and having one end sealed and the other end open, means whereby the open end of said tube is liquid sealed, liquid absorbing substance in the sealed end of the tube and means through which fluid can be circulated in thermal association with the portion of the tube containing the liquid absorbing substance.

1,509,034. MANUFACTURE OF CELLULOSE. FRED CURTIS THORNLEY and FRANK FORD TAPPING, Knightsbridge, London, and OTTO REYNARD, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Filed Dec. 10, 1923. Serial No. 679,755. 4 Claims. (Cl. 92—11.)

1. A process for the manufacture of cellulose from finely divided vegetable substances such as woody matter, which comprises introducing sulfur dioxide into a liquid medium in which the vegetable substances are suspended and subjecting the entering gas and liquid

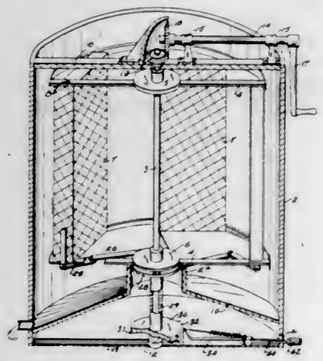


medium to intense mechanical agitation whereby an intimate mixture of the gas and liquid medium is produced.

1,509,035. PROCESS FOR THE UTILIZATION OF SEAWEED. FRED CURTIS THORNLEY and FRANK FORD TAPPING, Knightsbridge, London, and OTTO REYNARD, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Filed Dec. 10, 1923. Serial No. 679,756. 5 Claims. (Cl. 92—20.)

1. A cold process of preparing an agglutinating pulp from fresh seaweed containing the constituents in substantially the original proportions, which consists in converting the alginic acid present in the seaweed to alginate by macerating and grinding the seaweed to a condition of colloidal fineness, and treating the same in such condition with a small proportion of alkali material, so that the said conversion occurs without application of heat.

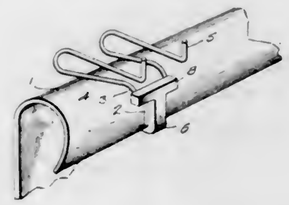
1,509,036. HONEY EXTRACTOR. GEORGE L. EMERSON, Los Angeles, Calif., assignor to Victor V. Kunkel, Los Angeles, Calif. Filed Jan. 20, 1920. Serial No. 352,779. 5 Claims. (Cl. 210—65.)



2. In a centrifugal honey extractor a vessel having a bottom provided with a bearing for an upright shaft, an upright shaft journaled for rotation in said bearing, a reel carried from said shaft and provided with reversible honey comb receiving baskets, an inclined false bottom for said vessel, the center of which false bottom is provided with an opening to receive the lower portion of the upright shaft and an annular wall on said false bottom around said opening, the upper portion of which

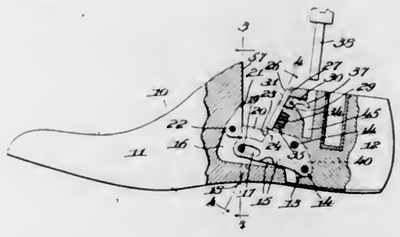
annular wall terminates in a horizontal plane above the plane occupied by the lower portions of the reel whereby the latter will sweep through the upper strata of liquid honey before the same overflows the upper edge of said annular wall.

1,509,037. SOAP RACK. GRANVEL FRANKLIN, Flint, Mich. Filed Mar. 2, 1923. Serial No. 622,355. 3 Claims. (Cl. 45—28.)



1. A soap bracket of the class described formed from a single strand of wire bent so as to form a pair of connected spaced parallel L-shaped members terminating in curved extensions and U-shaped members formed on the curved extensions so that their legs extend substantially parallel with the lower legs of the L-shaped members.

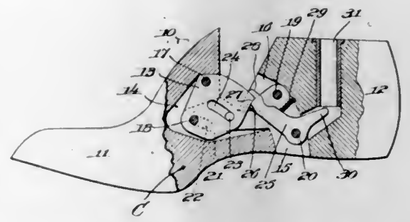
1,509,038. LAST. ALEXANDER GODFREY, Haverhill, Mass.; Annie E. Godfrey and Arthur C. Murphy, both of Haverhill, Mass., executors of said Alexander Godfrey, deceased. Filed July 20, 1921. Serial No. 486,214. 10 Claims. (Cl. 12—136.)



1. In a last of the class described, the combination of a two-part last adapted to be hinged, the pivotal center of which is approximately in a plane with the bottom of the heel part, of a hinge comprising a member fast with the forepart and a member fast with the heel part; guiding means in one of said members adapted to be entered by the other member; means coacting with said heel part member adapted to further aid in the guidance of said member; and means coacting with one of said members to lock the said last in extended position.

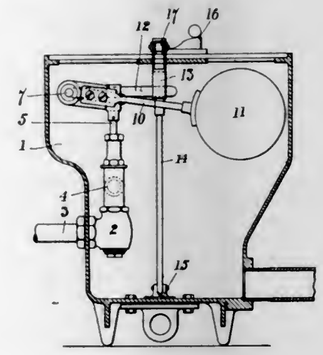
1,509,039. LAST. ALEXANDER GODFREY, Haverhill, Mass.; Annie E. Godfrey and Arthur C. Murphy, both of Haverhill, Mass., executors of said Alexander Godfrey, deceased. Filed Dec. 29, 1922. Serial No. 609,755. 8 Claims. (Cl. 12—136.)

1. In a last of the class described, the combination of a two-part last adapted to be hinged, the pivotal center of which is located below a plane intersecting the toe and heel tips; of a hinge comprising a member fast with the forepart in a slot provided therefor, and a member fast in a slot of the heel part; means to fasten each of said members in its respective slot, said first member having a slot therein adapted to be entered by a stud projecting from said second member; said second member having a slot parallel to the slot of said first member and adapted to be entered by one of the fastening devices of said first member, said slots and said stud and fastening device being the means to retain said fore and heel parts in operative relation; a latch pivotally mounted on one of the fastening de-



vices for said second member adapted to coact with said first member to lock the last in extended position; means to normally retain said latch in locking position; and means to disengage said latch from said first member when said last is to be collapsed.

1,509,040. APPARATUS FOR PREVENTING WASTE OF WATER IN BATHS AND THE LIKE. FRANCIS H. HORTON, London, England, assignor of one-half to G. N. Haden & Sons Limited, Trowbridge Wilts, England. Filed Nov. 6, 1923. Serial No. 673,155. 6 Claims. (Cl. 4—194.)

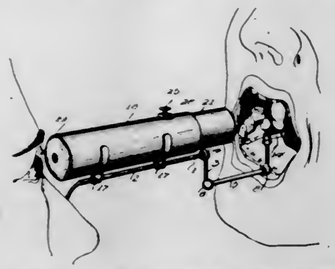


1. Apparatus for preventing waste of water and for use with baths said apparatus comprising a vessel, a connection for water between the vessel and the bath to maintain a uniform level of liquid in said vessel and bath, a water supply valve in the vessel, a float adapted to close the valve when a predetermined level has been reached by the water and a holding means, adapted to engage the float and to releasably sustain it and thus keep the valve closed when the vessel and the bath are emptied.

1,509,041. DENTAL APPLIANCE. HARRY T. HYAMS, De Kalb, Tex. Filed Dec. 5, 1922. Serial No. 605,082. 5 Claims. (Cl. 128—11.)

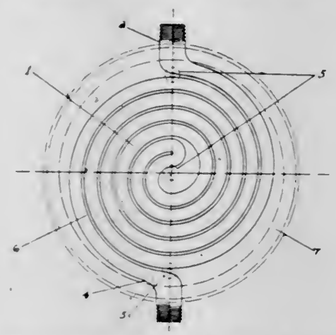
4. In an instrument of the character described, a tubular eye-piece comprising two telescopic sections, having end walls at their remote ends, said end walls having aligned openings therethrough, means for releasably securing the sections together in adjusted relation, a handle having a rigid portion supporting the eye-piece and extending at one end beyond the forward end of the latter, said

handle also including a flexible portion connected at one end to said one end of the rigid portion, a light emitting means carried by the handle at the other end of the



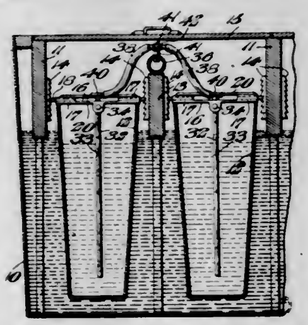
flexible portion and in advance of the forward end of the eye-piece, and a reflector carried by the handle in adjacent relation to the light emitting means.

1,509,042. ELECTRIC WATER HEATER. WILLIAM M. R. KAY, Windsor, Ontario, Canada. Filed Nov. 6, 1922. Serial No. 599,440. 1 Claim. (Cl. 219—39.)



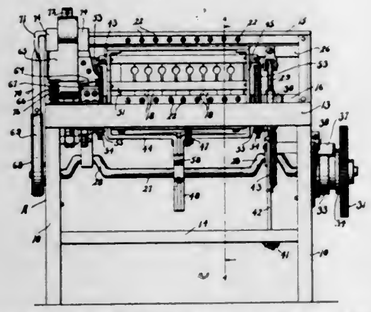
In an electric water heater, a casing or housing, and a lining of non-heat conducting material for said housing, and two coils of flattened rectangular metal conduit, and means for heating said coils comprising two flattened heat resistance elements placed between and adjacent to but insulated from the broad sides of the two said coils, all substantially as set forth.

1,509,043. BRINE-TANK CONSTRUCTION. LOUIS KOBASH, Maple Shade, N. J. Filed Jan. 26, 1924. Serial No. 688,646. 6 Claims. (Cl. 62—159.)



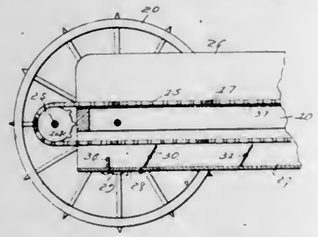
3. In combination a brine containing tank, a frame arranged in said tank to provide a freezing-can receiving compartment, a rack-bar fitted to opposed faces of said frame, a freezing can, a member arranged upon said can and provided with suitable bolts for engaging with said rack-bars to maintain said can properly immersed, a perforated tube for supplying air to said can pivotally carried by said member, and means for supplying air to said tube.

1,509,044. WIRE-STRIPPING MACHINE. PETER W. KUCHMUK, Chicago, Ill. Filed Dec. 7, 1923. Serial No. 679,202. 10 Claims. (Cl. 81—9.5.)



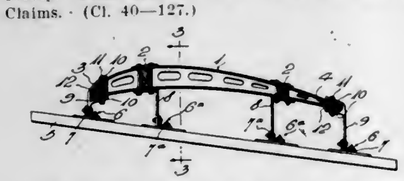
1. A wire stripping machine of the character described comprising a supporting structure, wire stripping means designed to receive and clamp the wires, means for automatically drawing the wires away from said means whereupon said wires are stripped, said last mentioned means including a yoke mounted for pivotal movement and movable toward and away from the stripping means, and a clamp carried by said yoke for clamping all of the wires to be stripped.

1,509,045. BUNDLE CARRIER. GEORGE W. KUEBER, Killam, Alberta, Canada. Filed Jan. 3, 1920. Serial No. 349,333. 2 Claims. (Cl. 56—207.)



1. A bundle carrier having a frame, an endless conveyor mounted upon the frame, a grain box arranged beneath the conveyor and provided at one end with a closure, and movable baffles arranged at intervals through the length of said grain box for normally preventing the shifting of grain received thereby.

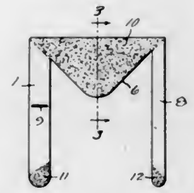
1,509,046. ADVERTISING SIGN. PETER LA GRASSA, New York, N. Y., assignor to Night Aero Advertising Corporation, New York, N. Y., a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,516. 4 Claims. (Cl. 40—127.)



1. The combination with an aircraft having a supporting plane, of a sign under said plane, and supporting means for said sign including plane-carried hangers

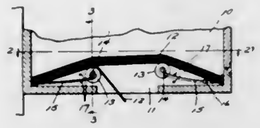
spaced inwardly from the front and rear edges of the plane, and other hangers having vertically spaced arms embracing said front and rear edges of the plane and secured thereto.

1,509,047. RUG FASTENER. RUDOLPH J. LINDHORST, Cleveland, Ohio. Filed Apr. 19, 1923. Serial No. 633,151. 3 Claims. (Cl. 154—49.)



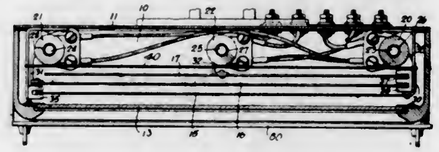
2. A rug fastener comprising a piece of material having adhesive on both sides thereof, whereby it may be stuck to the under side of a rug and also stuck to a floor, the piece of material having projecting arms adapted to be folded over the corners of a rug and having means to retain the same in folded position.

1,509,048. DISPENSING CABINET. MOSES M. MARCUSE, New York, N. Y. Filed May 9, 1922. Serial No. 559,576. 6 Claims. (Cl. 211—29.)



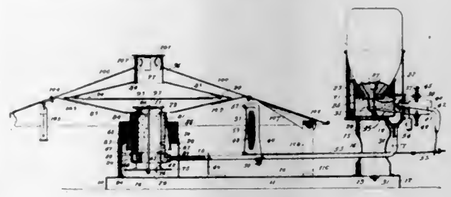
1. A dispensing cabinet having a bottom provided with a delivery slot and independent supporting means resiliently mounted in said cabinet on opposite sides of said slots, one of said supporting means being lowered relatively to the other, away from the pile, upon the withdrawal of a sheet to relieve the pressure of the pile on the sheet being withdrawn.

1,509,049. REAR-END SIGNAL FOR VEHICLES. CHARLES F. MARSTON, Brooklyn, N. Y., assignor to Auto-Automatic Signal Co., Inc., a Corporation of New York. Filed June 1, 1920. Serial No. 385,517. 3 Claims. (Cl. 177—327.)



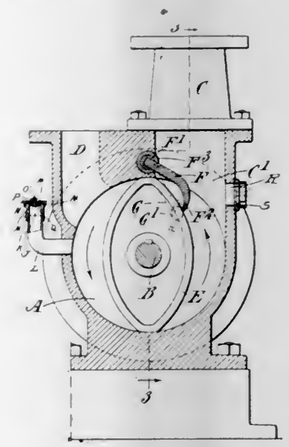
1. A rear end signal for vehicles, comprising a casing having a display window, a plurality of movable indicating members normally one in the rear of another and in non-display position relative to said window, a guide for one of said members arranged at one side of said casing, an actuating element connected with said indicating member at the opposite side of said casing from said guide to move said member into display position in said window, guides for the other indicating members arranged at the side of the casing adjacent said actuating element, and other actuating elements connected with the last named indicating members at points remote from the guides therefor for moving said indicating members into display positions in said window.

1,509,050. OIL-BURNING COLONY BROODER. PERRY S. MARTIN, Harrisonburg, Va., assignor to Newtown Giant Incubator Corporation, Harrisonburg, Va., a Corporation of Virginia. Filed Nov. 9, 1920. Serial No. 422,914. 7 Claims. (Cl. 119—32.)



1. In a brooder, a hover, a burner for heating said hover, a heat radiating member between said hover and burner receiving the products of combustion from said burner and discharging through said hover, a shield surrounding said burner, and a baffle beneath said burner for directing air against said shield and to the outside of said radiating member.

1,509,051. ROTARY PUMP. JAMES GRAHAM MCBRYDE, Romford, England, assignor to Pulco Supplies Limited, London, England, a Company of Great Britain. Filed July 20, 1921. Serial No. 486,039. 2 Claims. (Cl. 103—124.)



1. In apparatus for delivering pulverized or viscous substances, the combination of a substantially cylindrical chamber having an inlet port therein, a discharge conduit leading tangentially into the chamber, an elliptical rotor mounted within the chamber so that its ends make sliding contact with the circumferential wall of the chamber, an adjustable air inlet valve communicating with the chamber between the inlet and discharge ports, a curved pivoted scraper having a knife edge, and means for holding the knife edge of the scraper in constant engagement with the periphery of the rotor, the inner walls of the chamber and discharge conduit being free from any recesses or projections and the scraper and discharge con-

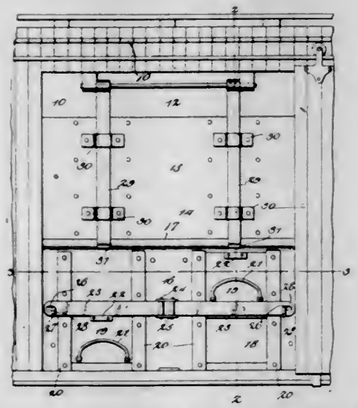
duit being so formed that the latter is never wholly closed while the scraper constitutes a flap adapted to assist in discharging the material under treatment as set forth.

1,509,052. WINDOW. HENRY N. MCGAUGHEY, Nettleton, Miss. Filed July 17, 1923. Serial No. 652,135. 1 Claim. (Cl. 20—40.)



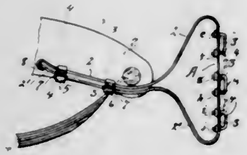
In a window, a frame forming a window opening and including a lower section having a channel therein, a stationary panel at the upper end of said frame forming a partial closure for said opening, a section forming a part of the window slidably engageable with said panel and also engageable in said channel, said window section having an opening and an overhanging hood for said opening, a screw member supported in said frame on the inner side of said stationary panel and connected to said window section to vertically adjust the same, a second window section supported at the lower end of said frame and movable vertically thereon and with respect to the first-named window section to regulate the size of the opening in said first-named window section, and a second screw member carried by the lower section of said frame and connected to said second-named window section to adjust the same.

1,509,053. CAR-DOOR CONSTRUCTION. JAMES W. MCNEICE, Ridgefield Park, N. J. Filed Apr. 15, 1921. Serial No. 461,475. 1 Claim. (Cl. 20—34.)



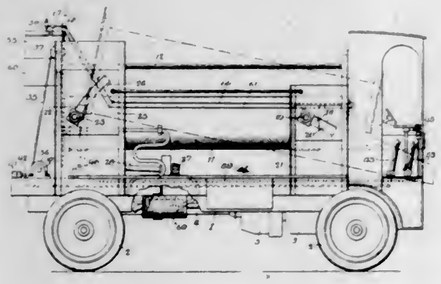
A car door of the character described comprising a pair of horizontally hingedly connected sections normally arranged one above the other, the lower section being provided with spaced openings, strips secured to the side edges of the openings and providing guideways, sliding doors arranged in the guideways, means for retaining the doors in opened or closed position and said means being in the nature of latch elements including a bracket secured to the lower section between the openings, latch members hingedly connected to said bracket and provided with slots in their free ends and a latch element rotatably mounted upon each outer side of each opening to receive the slotted end of the latch members respectively.

1,509,054. VEHICLE BUMPER. EDWARD FARRADEE, Grand Rapids, Mich. Filed Dec. 24, 1923. Serial No. 682,512. 7 Claims. (Cl. 293—55.)



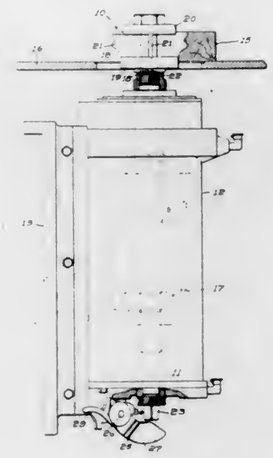
1. In an automobile bumper support, two spring metal bars arranged near their longitudinal center to form straight upright bearing plates, then bent inwardly, then backwardly forming supporting bars spaced apart and lying parallel to the ends thereof, cross bars secured to and connecting the upright supports, said cross bars vertically adjustable upon the supports and the supports arranged for the reception and support of one, or of several of said cross bars, and brackets arranged to engage the flanges on the automobile frame beams and firmly clamp the parallel arms of the support to the frame.

1,509,055. COMBINATION TRUCK AND CONCRETE MIXER. CHARLES PAYNE, Waukegan, Ill. Filed Feb. 19, 1923. Serial No. 619,799. 16 Claims. (Cl. 83—73.)



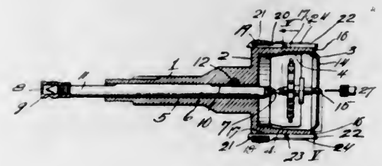
1. Apparatus of the class described comprising a motor vehicle having a cylindrical mixing drum longitudinally arranged thereon in substantially horizontal position and open at its top throughout its length, said drum having a discharge opening at one end thereof, a screw conveyor inside said drum, means connected to the engine of said vehicle for rotating said conveyor in either direction to mix the contents of said drum whereby a thorough mix may be obtained regardless of the point at which the material is charged into said drum, said drum being pivotally mounted near one end thereof and means for raising the other end to discharge the contents through said opening.

1,509,056. SPINDLE-HOLDING MEANS. WILLARD N. SAWYER, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1924. Serial No. 686,338. 8 Claims. (Cl. 29—74.)



1. In combination with a machine having a vertical spindle for operating a tool, means for holding the spindle from rotating while a tool is being secured to or removed from the spindle, comprising a lever pivotally mounted near the lower end of the spindle and constructed to form a wrench adapted to be swung into holding engagement with the lower end of the spindle as the lever is rocked.

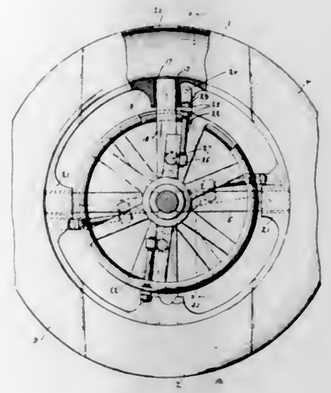
1,509,057. CHUCK FOR JEWELERS' LATHES. JAMES E. STEWART, Maryville, Mo., assignor of one-third to L. H. Ludwig, Kansas City, Mo., and one-third to Herbert L. Raines, Maryville, Mo. Filed May 15, 1922. Serial No. 561,194. 4 Claims. (Cl. 279—1.)



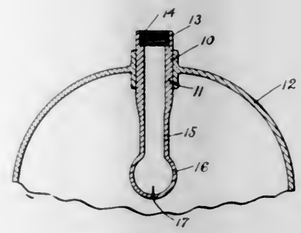
1. A chuck having a stem provided at one end with a hollow head open at its front end, a plate for fitting on the front end of the head over the open end thereof and provided with a bearing orifice for axial alinement with the axis of the stem, a pump center fitting axially in the stem and axially pointed at one end for engaging with the orifice of the plate to center the same, and means for clamping the plate in place.

1,509,058. COLLAPSIBLE CORE. HAROLD A. DENMIRE, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 16, 1923. Serial No. 625,487. 8 Claims. (Cl. 154—9.)

1. In a collapsible core, a plurality of core sections, all of said sections being movable toward and from the center of the core, and radially extending arms for guiding the sections in their radial movement, said arms being located in the common plane at the center line of the core, certain of the sections being movable laterally of the core.



1,509,059. VALVE. FRANK W. DODGE, New Haven, Conn. Filed May 29, 1922. Serial No. 564,325. 5 Claims. (Cl. 46—4.)



1. An air valve of rubber comprising a stem portion for association with an air container, a globular head portion provided with a slot and a restricted neck leading from the stem to the globular head, the walls of the said globular head portion and restricted neck being resilient and thinner than the wall of the stem and adapted to be influenced under varying air pressures to cause the opening and closing of the said slot in the globular head portion.

1,509,060. RUBBER GLOVE. FRANK W. DODGE, New Haven, Conn., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a Corporation of Massachusetts. Filed Nov. 18, 1922. Serial No. 601,901. 4 Claims. (Cl. 2—168.)

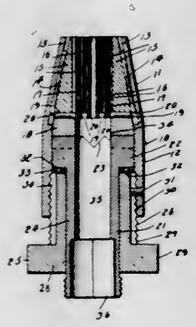
1. A rubber glove provided with rubber, longitudinal reinforcing strips on the front wrist portion, rubber

longitudinal strips on the back and back wrist portion, and transverse rubber reinforcing strips encircling the



glove at the wrist and open end and adapted to cross and co-operate with the said longitudinal rubber strips on the front and back.

1,509,061. AUTOMATIC GRIPPING AND RELEASING CHUCK. LAURIE O. HARDWICKE, Atlanta, Ga., assignor of one-third to P. C. Miller and one-third to A. T. Miller, both of Richmond County, Ga. Filed Jan. 13, 1923. Serial No. 612,521. 4 Claims. (Cl. 279—60.)

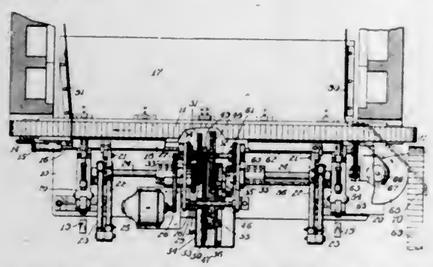


2. A chuck having a shell provided with a tapered end portion, said end portion having grooves therein, jaws having ribs extending into said grooves, the base walls of which grooves constitute cams, a follower within the shell, said follower having ribs, said jaws having slots receiving the last mentioned ribs whereby the jaws may move inwardly towards the axis of the shell and on the follower, an operating head having a disk disposed within the shell, cooperating cam means between the follower and head, a nut screw threaded into the shell and constituting a thrust bearing for said disk, a shank extending outwardly from the disk and journaled in the nut, and means for attachment of said shank to means for imparting turning movement thereto.

1,509,062. FERTILIZING COMPOSITION. ROY H. HOOVER, Freeport, Ill., assignor to R. H. Hoover Laboratories, Inc., Freeport, Ill., a Corporation of Illinois. Filed Dec. 29, 1919. Serial No. 348,041. 4 Claims. (Cl. 71—6.)

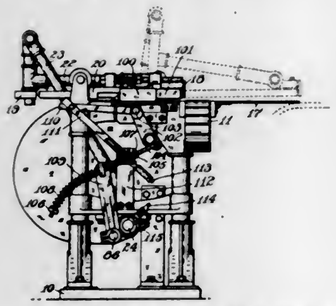
1. A composition consisting of pine oil, oil of wintergreen, oil of star anise and tankage, the oils being combined with the tankage in proportion of one pound of oil to one-hundred pounds of tankage.

1,509,063. LEER FEEDER. WILLIAM H. JOHNSON, Terre Haute, Ind., assignor to Automatic Machinery Company, Terre Haute, Ind., a Corporation of Indiana. Filed Jan. 25, 1923. Serial No. 615,423. 13 Claims. (Cl. 198—31.)



1. In a leer feeder, a carrier for bringing ware to the mouth of the leer, a push bar arranged along side the carrier, a pair of parallel rock shafts, an arm mounted on one of said shafts and arranged to actuate said bar to cause the same to intermittently sweep across the carrier and return, an operating cam, a second arm mounted upon said rock shaft and actuated by said operating cam, an arm mounted on said second rock shaft and actuated by said cam, a second arm mounted on said second rock shaft and means synchronized with the push bar for intermittently interrupting the flow of articles on the carrier to position in front of said push bar operated by the second arm mounted on said second shaft.

1,509,064. LEER FEEDER. WILLIAM H. JOHNSON, Terre Haute, Ind., assignor to Automatic Machinery Company, Terre Haute, Ind., a Corporation of Indiana. Filed Jan. 25, 1923. Serial No. 615,425. 5 Claims. (Cl. 198—31.)

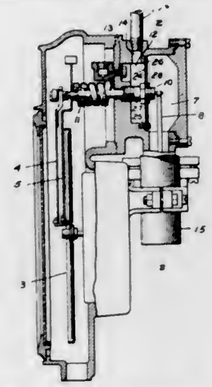


5. In a leer feeder, a carrier for bringing ware to the mouth of a leer, a push bar arranged alongside the carrier, a rock-shaft, connections between the rock-shaft and push bar by which the push bar may be swept laterally across the carrier, a cam acting on said rock-shaft, a stop finger movable into and out of the line of flow of ware to a position in front of the push bar, a second rock-shaft, connections between said second rock-shaft and the cam, an arm carried by the second rock-shaft, a pitman associated with said arm, a pair of oppositely acting springs arranged between said pitman and arm, connections between the pitman and stop finger, a catch carried by the stop finger and serving to retain the stop finger in flow-blocking position against the action of one of said springs, tripping means controlled by the first rock-shaft, and means acted upon by said tripping means for releasing said catch.

1,509,065. INDICATING METER. THOMAS H. KERR, Columbus, Ohio. Filed Jan. 14, 1922. Serial No. 529,239. 3 Claims. (Cl. 73—167.)

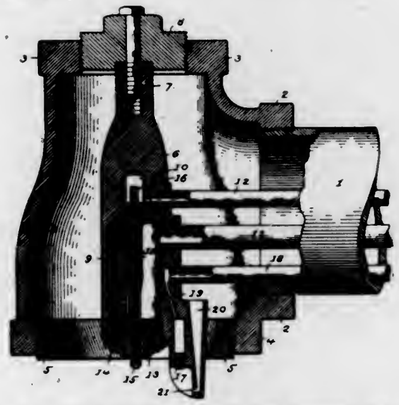
1. In combination in a differential meter having a float chamber and a calibrating chamber, each provided

with a gas inlet port, a gas pervious diaphragm, dividing the float chamber in two compartments, into one of which the gas inlet port of said chamber opens and the other of which forms the liquid reservoir thereof, a Bourdon tube communicating with said chamber on the



gas inlet port side of said diaphragm, a float operating in said liquid reservoir and means actuated by said float, extending through said diaphragm, and a gas pervious diaphragm located in said calibrating chamber, and separating the liquid reservoir portion thereof from the fluid inlet port thereof.

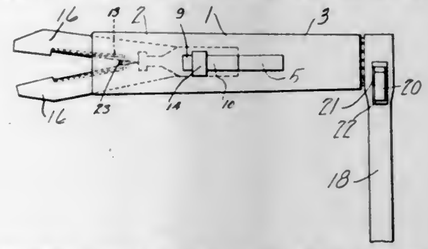
1,509,066. LIQUID-FUEL BURNER. HARRY W. MILLER, Chicago, Ill., assignor to Aladdin Oil Burner Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1923. Serial No. 667,192. 3 Claims. (Cl. 158—76.)



1. In a burner head for liquid fuel burners, the combination of an enclosing shell having inlet and outlet necks, a jet head arranged centrally in said shell and formed with a lower bore and an upper counterbore, a compressed air supply connected to said lower bore, a liquid fuel supply connected to said counterbore, a jet tube connected to the lower end of said counterbore and having a nipple extending up above the fuel inlet thereof, and an annular bushing fitting the lower end of said lower bore with its orifice encircling the lower portion of the jet tube and forming an annular air passage around the same, the annular bushing having a conical lower end formed with a series of concentric ridges.

1,509,067. SOCKET RATCHET WRENCH. WILLIAM E. DRUMMOND, Chiefland, Fla., assignor of one-half to Morris W. Cooper, Chiefland, Fla. Filed Apr. 23, 1923. Serial No. 633,893. 1 Claim. (Cl. 81—112.)

A wrench of the kind described, comprising a shank having at one end a longitudinal rectangular jaw-cavity, and an elongated thumb-stud slot at one side communicating with the jaw-cavity, the opposite end of the shank being reduced to a circular ratchet; a pair of tapered jaws to fit into the jaw-cavity, the jaws being recessed on their inner contiguous faces to form nut-engaging recesses, and jaw bar head engaging notches; a V-shaped spring to fit into the said spring recesses of the jaws; a jaw bar having a draw head adapted to be engaged by the said notches of the jaws and having a



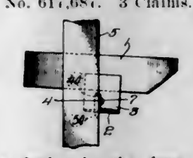
transverse thumb-stud hole in its shank portion; a thumb-stud having a stem adapted to pass through the thumb-stud slot of the shank and fit into the thumb-stud hole of the jaw bar; a pin passed through the shank between the wings of the V-shaped spring; a handle having a ratchet hole adapted to engage the ratchet end of the said shank, and having a lateral pawl slot communicating with the ratchet hole; and a pawl pivotally mounted within said pawl slot and adapted to engage the circular ratchet of the shank.

1,509,068. ADJUSTABLE SUPPORT FOR ELECTRIC APPLIANCES. JAMES C. HERRON, Chicago, Ill., assignor to Reflector & Illuminating Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1923. Serial No. 627,938. 7 Claims. (Cl. 240—52.)



1. A support for an electric appliance, comprising a stationary member having a hollow and substantially hemispherical tip provided with a slot extending in a medial plane thereof, a movable member comprising a ball disposed within the said tip and a stem projecting through the slot, a thrust member disposed within the stationary member and engaging the ball on the opposite side from the slot; and clamping means operable from outside the stationary member for forcing the tip portions at opposite sides of the slot towards each other and towards the thrust member, so as to cause these tip portions to cooperate in clamping the said ball against the thrust member.

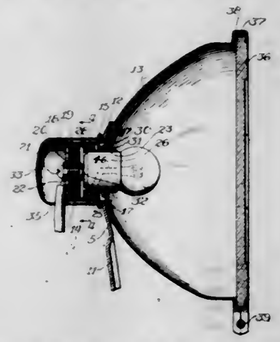
1,509,069. SUPPORTING RACK FOR COLLARS. ALVIN O. JOHNSON, Chicago, Ill., assignor to The Meyercord Company, a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,687. 3 Claims. (Cl. 211—24.)



1. A supporting device in the form of a C-shaped member, and a bar lying below the plane of and extend-

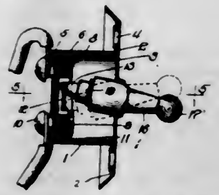
ing across the middle of said member, said bar having at its ends upwardly-projecting arms secured at their upper ends to said member.

1,509,070. VEHICLE LAMP. THOMAS J. KERWIN, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Sept. 16, 1922. Serial No. 588,578. 6 Claims. (Cl. 240—41.)



1. A lamp socket and reflector combination comprising a reflector having in its back a circular perforation and a plurality of slits surrounding and spaced from the said perforation, an outer socket shell provided at its forward end with fingers extending forwardly through the said slits and clinched against the forward face of the reflector, an inner shell equipped with notches for interlocking with the base of the lamp, the said inner shell extending slidably through the said circular perforation in the reflector and having a lateral projection spaced rearwardly from the reflector, coacting means on the two socket shells for preventing relative rotation thereof, and a compression spring disposed between the two socket shells and abutting at its ends respectively against the said lateral projection and against the portion of the reflector between the said circular perforation and the said slits.

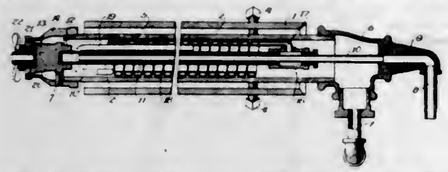
1,509,071. LEVER SWITCH. EDWARD S. PRESTON, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed June 21, 1922. Serial No. 569,962. 9 Claims. (Cl. 200—164.)



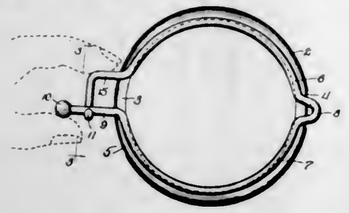
1. A switch lever having a bore extending into the same from one end of the lever, a cup of insulating material disposed in the said bore and having its mouth directed toward the said end, a cylinder within the cup, a shouldered plunger movable in the cylinder and having a tip projecting beyond all the aforesaid parts, the cylinder having its outer end contracted to engage with the plunged shoulder, and a compression spring within the cylinder disposed for urging the plunger to increase the said projecting of its tip.

1,509,072. OIL BURNER. JOHN R. WATTS, Chicago, Ill. Filed Jan. 15, 1923. Serial No. 612,660. 11 Claims. (Cl. 158—75.)

1. An oil burner, a steam casing, an oil duct, a return oil pipe spaced from and surrounding the oil duct, a nozzle connected to the steam casing, and a coiled pipe connected to the inner end of the return pipe and surrounding the return pipe and having its opposite end extending inwardly and disposed between the coils of the coiled pipe and the return pipe so as to cause the oil to traverse the steam casing three times and to then effect discharge of the oil at a point intermediate the length of the coils of the coiled pipe.

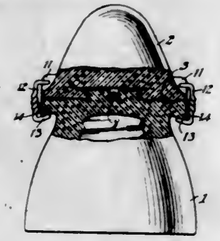


1,509,073. SHADE HOLDER. HERMAN V. WILLMAN, Maywood, Ill. Filed Oct. 12, 1922. Serial No. 594,001. 7 Claims. (Cl. 240—134.)



1. In a shade holder, a supporting member having a main slot and a lateral slot leading at one end into the main slot, and a retaining member including two substantially semi-circular resilient wire arms having terminals each extending through the main slot of the supporting member, one of said terminals having a hook-like part engageable with the other terminal, the mouth of which faces toward said end of the lateral slot, the said other terminal being movable into said slot to allow same to be disengaged from the hook-like part.

1,509,074. INSULATOR. JAMES LESLIE WILSON, Davenport, Iowa. Filed Apr. 6, 1921. Serial No. 458,941. 1 Claim. (Cl. 173—314.)

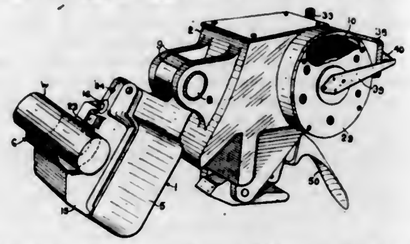


An insulator, comprising a body having at the upper end an annular shoulder and provided on its upper face with spaced ribs of a height a little greater than the diameter of the wire to be held therebetween, said ribs extending entirely across the body and having curved inner edges and straight outer edges, a cover having in its lower face a recess of a depth equal to the height of the ribs, said recess extending entirely across the face of the cover and having straight walls lying close to the straight outer edges of the ribs, and latch members pivoted to opposite sides of the cover and engaging the shoulder of the body to lock the cover on the body with their faces directly in contact with each other.

1,509,075. STEADY REST. CHARLES H. NORTON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1921. Serial No. 435,097. 19 Claims. (Cl. 51—238.)

1. A steady rest for grinding machines comprising a stand, a member movably mounted on said stand which

is arranged to serve as the sole steadying support for the work during grinding, and means to move said member and apply pressure on the front side only of the work and thereby tend to hold the work away from the wheel and prevent vibrations.



1,509,076. TREATMENT OF SOY BEANS. LÁSZLÓ BERCZELLER, Budapest, Hungary. Filed Apr. 10, 1924. Serial No. 705,701. 10 Claims. (Cl. 99—11.)

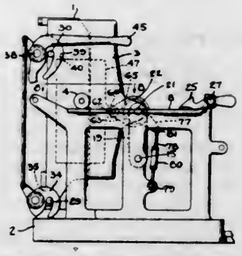
1. A process for purifying soy beans, which comprises subjecting the beans to the action of steam for such a short period of time, that they absorb but a very small amount of water and that the albuminous substances in the said beans remain substantially uninjured.

1,509,077. TORCH. EMANUEL FOLGMAN, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,739. 4 Claims. (Cl. 158—35.)



1. In a self-blowing torch, a retort chamber, a body portion forming a fuel reservoir, and a tube extending from the retort chamber to the reservoir and provided intermediate of its ends with a gas discharging opening, said tube constituting means for discharging gas formed in the retort chamber and discharging gas formed in the reservoir.

1,509,078. STEREOTYPE-PLATE-CASTING MACHINE. ALBERT A. HENZI, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Sept. 4, 1920. Serial No. 408,203. 38 Claims. (Cl. 22—2.)



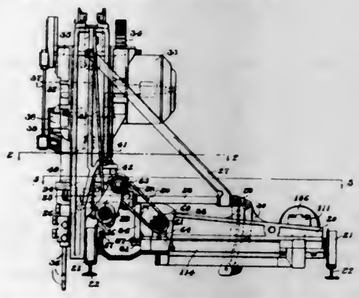
1. A stereotype plate casting machine including in combination a core, a drag carrying the plate from plate casting position to plate discharging position, a matrix in the drag, and means including an eccentric mechanism for moving the matrix and plate apart during said traveling of the drag.

1,509,079. BRICK-MACHINE MOLD. JAMES P. MARTIN, Lancaster, Pa., assignor to Lancaster Iron Works, Inc., Lancaster, Pa., a Corporation of Pennsylvania. Filed Feb. 28, 1924. Serial No. 695,682. 2 Claims. (Cl. 25—119.)



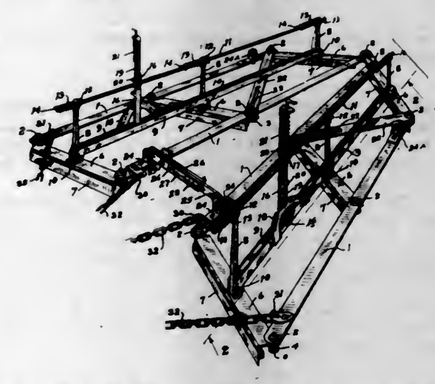
1. A brick machine mold having side and end pieces and having at its ends projecting bumping members and provided at the ends with solid metal plates co-extensive as unitary structures not only with the top surfaces of the members but also with the top edge of the adjacent end piece.

1,509,080. STONEWORKING MACHINE. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 4, 1918, Serial No. 220,265. Renewed Feb. 23, 1924. 65 Claims. (Cl. 262—18.)



1. In a machine of the character described, in combination, a truck, a standard adjustably mounted thereon for adjustment in a plane transverse to said truck, cutting appliances on said standard, feeding means on said standard for moving said cutting appliances toward and from the work, a motor on said truck, and driving connections between said motor and said feeding means including shafting adjustable with respect to said standard so as to be substantially perpendicular to the latter in any position thereof in said plane.

1,509,081. ROAD DRAG. ROY COON, Windsor, Colo. Filed Feb. 18, 1924. Serial No. 693,500. 3 Claims. (Cl. 37—151.)



1. A road drag section comprising a pair of parallel bars, said bars having pivots connected thereto at spaced intervals, each of said pivots having transverse openings forming bearings, angular scraper members pivotally

mounted in said bearings, and means for adjusting the angular relationship of the bars and scrapers in the plane of the section, means for adjusting the scrapers angularly in said bearings, said last-named means having resilient means for yieldingly holding the scrapers in adjusted position.

1,509,082. IMPERISHABLE BUTTER. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 2, 1922. Serial No. 598,511. 2 Claims. (Cl. 99—13.)

1. The process herein described of making imperishable butter which consists in emulsifying pure milk oil, water and a nondecomposable thickener in the relative proportions in which the corresponding ingredients are present in natural creams and churning this product to produce the butter.

1,509,083. IMPERISHABLE MILK. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 2, 1922. Serial No. 598,512. 2 Claims. (Cl. 99—11.)

1. The process herein described of producing imitation and imperishable milk or cream which consists in emulsifying milk oil, water and such a thickener as a vegetable gum which is capable of producing a permanent emulsion, the milk oil and water being in such proportionate amounts as are present in the natural products imitated.

1,509,084. PROCESS OF CHURNING CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Dec. 21, 1922. Serial No. 608,336. 4 Claims. (Cl. 99—13.)

3. The process of churning hereinbefore set forth, which consists in passing whole milk through a cream separator, diluting the resulting cream with a volume of water substantially equal to the skim milk separated, passing this mixture through a cream separator to wash the cream, and then churning the washed cream.

1,509,085. PROCESS FOR WHIPPING RECONSTRUCTED CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 19, 1923. Serial No. 613,766. 2 Claims. (Cl. 99—11.)

2. The process of producing whipped reconstructed cream which consists in producing reconstructed milk, separating out the cream in a form in which it is free from all undissolved or suspended milk solids not fat and whipping the same.

1,509,086. PROCESS OF MAKING BUTTER FROM MILK OIL. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,568. 7 Claims. (Cl. 99—13.)

2. The process of making butter without churning, which consists in mixing together milk oil, dried milk solids not fat, and water at a temperature above the melting point of the fat and in proportions to form an emulsified paste of high fat concentration, cooling such paste to a temperature at which the fat has a tendency to agglomerate, and then pressing or squeezing the same to produce such agglomeration and the discharge of the excess of butter milk.

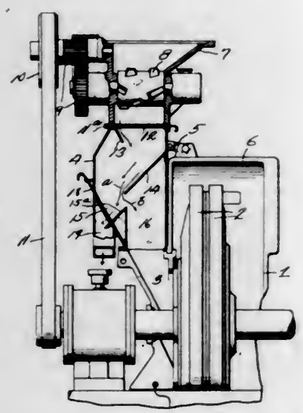
1,509,087. PROCESS OF MAKING BUTTER FROM MILK OIL. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,569. 6 Claims. (Cl. 99—13.)

1. The process of making butter from milk oil, which consists in emulsifying milk fat or oil and milk fluid at a temperature above the melting point of the fat to produce a reconstructed cream or milk oil emulsion having a high fat concentration, cooling the emulsion to a temperature at which the fat has a tendency to agglomerate, and then pressing or squeezing the same to effect such agglomeration and the discharge of the excess buttermilk.

1,509,088. MAKING BUTTER FROM MILK OIL. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 11, 1924. Serial No. 705,931. 3 Claims. (Cl. 99—13.)

3. The method of making butter from milk oil which consists in mixing milk oil and milk fluid in proportions to produce a high fat concentration and at a temperature above the melting point of the milk oil, cooling the mixture to increase its viscosity to a point where the internal friction causes emulsification of the milk oil as a result of stirring and then to a temperature at which it will be converted into butter by the simple application of pressure.

1,509,089. ATTRITION-MILL SEPARATOR. JOHN J. CZAREY, HENRY H. WHITLEY, and MICHAEL KREUSER, West Allis, Wis. Filed Nov. 9, 1923. Serial No. 673,727. 1 Claim. (Cl. 83—11.)



The combination with an attrition mill, a hopper carried by said mill, of a separator interposed between the hopper and mill, a door interposed between the separator and hopper, a deflecting plate adjacent the inner end of the said door, an oppositely extending deflecting plate within the hopper below the first mentioned deflecting plate, a foreign material compartment communicating with said hopper and having an inclined base, between the upper end of which and the lower end of said second deflecting plate, is a passage way for material to be reduced, a door forming the outer wall of the foreign matter compartment and discharge spouts for said foreign compartment and for the separated material respectively.

Patents Nos. 1,509,090 to 1,509,819.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

Vol. 326—No. 4. TUESDAY, SEPTEMBER 23, 1924. Price—$5 per year.

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Trade-Marks	311—No.	189,503 to No.	189,813, inclusive.
Reissues	2—No.	15,918 to No.	15,919, inclusive.
Designs	53—No.	65,629 to No.	65,681, inclusive.
Patents	730—No.	1,509,090 to No.	1,509,819, inclusive.
Total	1096		

Attorneys—Disbarment.

(ORDER No. 2,877.)

U. S. PATENT OFFICE, *Washington, Aug. 1, 1924.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Mr. Harry L. Smith, of 925 Jefferson Building, 1015 Chestnut Street, Philadelphia, Pa., whose registration number is 3,587, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 27, 1924.*

Zucker & Levett & Loeb Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between A. P. Munning & Co., 52 Vesey Street, New York, N. Y., for registration of a trade-mark and trade-mark registered June 23, 1908, No. 69,580, to Zucker & Levett & Loeb Company, New York, N. Y., and a notice of such declaration sent by registered mail to said Zucker & Levett & Loeb Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Zucker & Levett & Loeb Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Rubber Company of America, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Continental Tire Corporation, 1508 South Michigan Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 14, 1910, No. 78,446, to Rubber Company of America, 249–251 Ocean Avenue, Jersey City, N. J., and a notice of such declaration sent by registered mail to said Rubber Company of America at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rubber Company of America, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 11, 1924.*

Herman Zohrlaut Leather Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. Trautman & Company, 614 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 9, 1897, No. 30,801, to Herman Zohrlaut Leather Co., 783 to 825 North Water Street, Milwaukee, Wis., and 115–117 Summer Street, Boston, Mass., and the Office having failed to secure service on said Herman Zohrlaut Leather Co., notice is hereby given that unless said Herman Zohrlaut Leather Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Boston Pneumatic Action Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of the M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trade-mark registration of the Boston Pneumatic Action Company, of 1075 Washington Street, Boston, Mass., No. 83,132, dated August 22, 1911, and the notice of such proceeding sent by registered mail to the said Boston Pneumatic Action Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Boston Pneumatic Action Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Bird patent, No. 1,036,427, for roofing material, *Held* valid and infringed. *Bird* v. *Sears, Roebuck & Co.*, 299 Fed. Rep. 574.

Condition of Applications Under Examination at Close of Business September 12, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,306; Trade-Mark Division, 1,952. Oldest new case, Jan. 12, 1924; oldest amended, Jan. 9, 1924. The dates given are 1924.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 16	Feb. 15	1,026
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 14	Feb. 16	767
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	May 7	May 14	462
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	Apr. 21	912
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 23	Jan. 23	1,041
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins, and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 28	Jan. 14	1,191
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Mar. 8	Mar. 6	1,736
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 22	May 14	1,399
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 28	Jan. 19	714
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 17	Apr. 1	1,515
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Apr. 17	Apr. 25	971
380	12. PIERCE, P. P., Machine Elements	Apr. 1	Apr. 2	1,081
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 16	Feb. 27	1,127
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 11	July 5	685
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 25	Mar. 3	1,398
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 16	Feb. 12	1,363
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 19	Apr. 23	889
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 23	Jan. 9	1,333
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 19	June 25	822
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 10	Mar. 24	1,244
212	21. THURBER, W. L., Winding and Reeling; Textiles: Cloth Finishing	Mar. 3	June 13	650
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Feb. 9	Feb. 14	1,268
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Mar. 5	Feb. 21	493
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 6	Mar. 5	848
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	June 4	June 14	635
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 21	Jan. 15	849
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 18	Apr. 8	1,057
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 17	Mar. 26	1,077
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 14	Mar. 3	1,144
218	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 1	Mar. 3	1,228
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 11	Mar. 1	988
249	32. BANCROFT, J. E., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 4	Mar. 4	930
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 10	Apr. 9	1,273
301	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Apr. 3	Mar. 29	840
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 27	June 3	710
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 4	Mar. 20	1,303
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 12	Mar. 12	1,546
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 19	Mar. 5	1,163
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 14	Mar. 26	646
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 31	May 17	1,889
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 21	Mar. 26	715
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 12	Jan. 18	1,636
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 8	Feb. 16	1,264
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 23	Apr. 3	1,086
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Feb. 19	Feb. 7	1,046
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 23	Jan. 11	1,142
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 12	Feb. 20	1,353
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 16	Jan. 17	1,969
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 12	Feb. 8	494
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 12	Jan. 29	1,706
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 6	Feb. 9	2,076
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 7	May 12	894
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 2	Mar. 1	1,534
102	DESIGNS: C. O. MARKHAM (Acting)	July 23	Aug. 7	451
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. (Trade-Marks	Aug. 12	Aug. 1	1,731
	(Labels and Prints	Aug. 19	Aug. 23	221

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE HAMMOND, JR.

Decided February 8, 1923.

CLAIMS—OVERLAPPING ELEMENTS.

Where several sets of mechanisms cooperate to produce the desired result, a claim which recites these separate sets of mechanisms and their respective functions is not, ordinarily, objectionable as including an element twice because some one element, such as a power shaft, a drive gear, or a source of electric or other energy, is common to and cooperates with all such sets of mechanisms.

(Note.—This application has resulted in Patent No. 1,491,773, April 22, 1924.)

APPEAL from the Examiners in Chief.

SELECTIVE-WAVE TRANSMISSION SYSTEM.

Messrs. Messimer & Austin and *Mr. A. I. Gardner* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 2, 3, 15, 16, 18, and 19. Claims 2, 15, and 16 will serve sufficiently for illustrative purposes:

2. In a system of wave transmission, the combination of means for producing waves of a predetermined frequency, of means operative to form said waves into a series of groups of a predetermined group frequency above the limits of audibility and make and break means to form said series of groups into sets having a set frequency within the limits of audibility.

15. In a transmission system, the combination with means for producing impulses of a predetermined frequency, of means operative to impress upon said impulses a series of periodic variations having a frequency different from said first mentioned frequency, and means automatically operative to interrupt said impulses periodically at a frequency different from said first mentioned frequencies.

16. In a transmission system, the combination with means for producing periodic impulses of a predetermined frequency, of means acting inductively upon said impulses to impress thereon periodic variations having a frequency different from said first mentioned frequency, and means automatically operative to modify said impulses periodically at a frequency different from said first mentioned frequencies.

The references are: Fessenden, 727,330, May 5, 1903; Ehret, 785,804, March 28, 1905; Eastham, 1,056,893, March 25, 1913; British patent, 19,922 of 1909; German patent, 221,791.

The alleged invention, as recited in the appealed claims, comprises a transmitting system for selective electromagnetic wave signaling in which high-frequency waves are produced, and these have superimposed upon them a series of wave groups of a lower frequency. These wave groups are then broken up into sets or groups at, of course, a still lower frequency. The arrangement shown in Figure 3 has been held by the Examiner to support the claims appealed, and this holding is not disputed by the appellant.

There is no serious dispute as to the operation of devices constituting the system disclosed in this Fig. 3. Applying the appealed claims to this figure, appellant notes that the source of alternating current at H^1 and the circuit through the interrupter, the sending key, and the primary coil L^2 constitute the means for producing the high-frequency waves, while the alternating-current generator G by varying the field winding of the generator H^1 superimposes on these waves a group frequency which is broken up into group sets by the interrupter I^2.

In thus applying the claims the appellant contends the three sets of "means" recited in the claims for accomplishing these three functions are separate and distinct means, not overlapping in any way, and not requiring the reading of any part of one set of means as a portion of another set of means. In attempting to read the appealed claims upon the references, however, appellant contends that it is necessary to read some of the elements of one set as constituting part of the other set of "means"—that is, that some of the elements must be read twice in order to hold the claims met. Where several sets of mechanisms cooperate to produce the desired result, a claim which recites the separate sets of mechanisms and their respective functions is not, ordinarily, objectionable as including an element twice because some one element, such as a power shaft, a drive gear, or a source of electric or other energy, is common to and cooperates with all such sets of mechanism. Applying this interpretation in connection with claims 2, 3, and 15 to Fessenden's transmitter of his Fig. 1, the battery may be regarded as a common source of energy, an element common to the various sets of mechanisms or "means" recited in these claims. The circuits 3, 4, 6, 5, and possibly the antenna circuit, must be deemed the "means" for producing waves of a predetermined frequency, while the coils 7 and 8 function to choke back surges from this high-frequency oscillatory circuit, although, it is true, they are not necessarily a part of the means which transforms the energy of the battery into the waves. With this view it becomes plain the second means, "the means to form" (claim 2), or "to impress" (claims 3 and 15), the groups can be correctly read as the coil 8, while the motor and the tuning-fork arrangement function as the means for forming the groups into sets by short-circuiting the coil and varying the energy supplied from the battery. It would seem plain, therefore, that claims 2, 3, and 15 are too broadly stated in view of this reference.

In the Eastham patent there is disclosed the generator G, which supplies energy to the entire transmitting system. Also there is found, plainly enough, the means—the conductor, spark gap, and the primary of the antennæ coupling—"for producing the impulses of a predetermined frequency."

Likewise there is the means—the mechanism for rotating one member of the spark-gap coupling—to impress upon the impulses "a series of periodic variations;" but the generator G is common to both these sets of means to the extent that it furnishes the necessary energy for them to produce the specified functions, and to read such alternator as constituting other means—the "means to interrupt the impulses"—seems to be giving the reference or the claim a strained and unfair interpretation. It is not thought this patent anticipates claims 15, 16, and 18. Claims 16 and 18 are therefore deemed patentable over the art of record.

Claim 19 is held fully met in Fessenden, whose key 15 constitutes the signal-producing means of the claim. This claim is also unpatentable over Fessenden in view of the usual practice of employing a "signaling key" in the relation shown in the Ehret patent.

The two foreign patents do not seem to me to be as pertinent as the references above discussed.

The decision of the Examiners in Chief is affirmed as to claims 2, 3, 15, and 19 and reversed as to claims 16 and 18.

Commissioner's Decision.

EX PARTE HAMMOND.

Decided March 2, 1922.

1. DIVISIONAL APPLICATION—NOT PATENTABLY DIFFERENT FROM PARENT APPLICATION—REVERSAL OF PARTS—DOUBLE PATENTING.

Where the sole structural difference between the form specifically claimed in the parent application and the form presented in the divisional application resides in making a dial rotate upon a particular shaft in the one and in making the dial fixed and a pointer rotate upon the same shaft in the other, and the art shows in similar devices that it is equally well known that the pointer may rotate with the shaft and indicate the reading on a fixed dial or that the latter may rotate and indicate in an opening in a fixed part, *Held* that there is only one inventive feature present in the two applications.

2. DOUBLE PATENTING.

If two patents are to be granted to the same inventor there must be two inventions, although one may be wholly dependent on the other.

APPEAL from Examiners in Chief.

PRESSURE GAUGE.

Messrs. Fraser, Turk & Myers for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner rejecting the claims, which are four in number. In view of the ground upon which the rejection is based it is not necessary to copy the claims.

It appears this applicant has a parent application, of which the present case is a division, which discloses two specific forms of the pressure gauge, one of which is identical with that disclosed in the appealed case. The parent case includes a number of claims generic to these two specifically different embodiments or forms, which claims appear allowable to this applicant in view of the termination of the interferences in which such claims were involved.

[1, 2] The sole structural difference between the two specific forms resides in making the dial rotate upon the shaft 10 in the form specifically claimed in the parent application, and in the form presented in the appealed case making the dial fixed and the pointer rotate upon this same shaft 10. The art shows in gauges similar to that disclosed in the case at bar that it is equally well known that the pointer may rotate with the shaft and indicate the reading on a fixed dial or that the latter may rotate and indicate the pressures in an opening in a fixed part. The two specific forms disclosed in the parent and the present application, therefore, differ only in an old and obviously-reversible detail. The inventive concept is independent of this structural difference. It must be held, in consequence, that there is only one inventive feature present in the parent and the appealed case. It is elemental that if two patents are to be granted there must be two inventions, although one may be wholly dependent upon the other. Mere obvious changes dependent upon the presence of one and the same inventive embodiment can not form the basis for the grant of independent patents. The law presumes the existence of equivalents, and the present art shows that these two different forms of indicating means are recognized equivalents.

The statement of counsel that appellant desires a claim specific to the form disclosed in the case at bar for the purpose of bringing an action for infringement is not overlooked. The contention, also, that appellant should not be compelled to prove equivalency in the action he proposes to bring is noted. It would seem, however, that by having both these forms in his parent application, covered by generic claims, would, when the patent is issued, be a sufficient basis for the purposes of his suit to the same extent as if he were granted a patent upon the divisional case. It would seem that the presence of both forms in the parent patent, should the parent application mature into a patent, would be sufficient proof of equivalency for the purposes of the action had in view by appellant.

The decision of the Examiners in Chief is affirmed.

Commissioner's Decision.

EX PARTE FOREMAN.

Decided August 2, 1922.

METHOD—CLAIMS FOR—STRUCTURAL LIMITATIONS.

Patentable novelty of method claims can not be based on positive recitations of structural limitations included therein.

(Note.—This application has resulted in Patent No. 1,487,649, March 18, 1924.)

APPEAL from Examiners in Chief.

SAWMILL APPARATUS AND METHOD.

Messrs. Bradford & Doolittle for the applicant.

FENNING, *Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the decision of the Primary Examiner in finally rejecting claims 1 to 18, inclusive, of which the following will serve as examples:

1. The method of sawing boards from logs which comprises carrying the log on a conveyor to move it continuously in a rectangular path and successively sawing the boards from the underside thereof during its travel, and removing the sawed boards singly by retarding them and allowing the remaining log portion to separate therefrom by gravity, substantially as set forth.

5. In an apparatus for sawing boards from logs the combination of a supporting structure, means for moving the log longitudinally on said structure, a horizontal saw for cutting a board from the underside of the log during said movement, inclined conveyors adapted to receive the log and sawed board while together and carry the same transversely, inclined ways adapted to receive the log and board, and stops on said ways adapted to retard the board and separate the same, substantially as set forth.

8. In an apparatus for sawing logs the combination of a supporting structure, a carrier for moving the log longitudinally, a saw for cutting a board from the underside of the log during said movement, a horizontally movable carrier adapted to receive said log and board and move the same transversely, an inclined conveyor adapted to receive the log and board from said carrier, means for receiving the log and board from said conveyor and separate the log from the sawed board, a carrier for receiving the log portion and moving the same longitudinally, and a carrier for receiving the log from said last named carrier and transferring same to the first named carrier, substantially as set forth.

11. In a saw mill, a main vertical saw, a horizontal re-saw, means for conveying the log from the main saw to the re-saw and then successively through said re-saw, and means for retarding the board and separating it from the log following each resawing operation, substantially as set forth.

18. A saw mill comprising initial sawing apparatus for dividing the logs, a re-sawing apparatus for cutting the log-parts formed by the initial saw into boards, conveying means for carrying the log-parts from the initial sawing apparatus to the re-sawing apparatus, said conveying means embodying means for controlling and regulating the feed of said log-parts to said resawing apparatus, substantially as set forth.

The references are: Walton, No. 811,009, Jan. 30, 1906; Cleveland, No. 922,854, May 25, 1909; Kennedy, No. 927,248, July 6, 1909; Williams, No. 996,286, June 27, 1911; Mershon, No. 1,112,822, Oct. 6, 1914.

Claims 1 and 2 were found objectionable on the ground that they are in form method claims which contain recitations of structural limitations. This objection is believed to be well founded, and applies with equal force to claims 14 and 15, which include a "rigid supporting table." Patentable novelty of method claims can not be based on positive recitations of structural limitations included therein.

The series of steps comprising the method covered by claims 1 to 4 and 14 to 17, inclusive, of sawing and resawing logs make out nothing patentable over the prior art as evidenced by the patents cited by the Examiner. Walton discloses a method and means of continuously sawing logs into boards which comprises carrying the log in a rectangular path and successively sawing the boards from the under side of the said log during its travel, and merely to provide his device with a conveyer of the kind shown by Williams for the purpose of conveying the logs from the rollers *l* to *n* would not involve invention. This is especially true, since Walton states (p. 2, lines 1 to 5) that a mechanical means may be provided between such rollers for the purpose indicated, and he himself shows one form of such means *p* at the opposite end of his machine.

Claim 4 specifies that the log is initially reciprocated, and claims 14 to 17 specify that the log is first "slabbed," or divided, which is understood to mean that the log is run through the vertical saw before being resawed. As stated by the Examiners in Chief, no special relationship exists between such steps as defined in these claims.

Claims 5, 6, and 10 to 13 are also deemed unpatentable over Walton and Williams for the reasons mentioned. The "inclined conveyors" included in claims 5 and 6 are considered as being purely colorable over and readable on the conveyers *f'* and G^2 shown by Williams, while the broad combination covered by claim 11, for example, is recognized by the applicant himself on page 1 of the specification as being old. In view of Cleveland, for example, nothing of a patentable nature would be involved by merely providing a conveyer between a vertical saw and resawing apparatus.

Although there is a generic sameness between the resawing devices disclosed by this applicant and Walton, it is not seen that the specific structure covered by claims 7, 8, and 9 as now presented is anticipated by this reference, even when supplemented by Williams's disclosure. The applicant has devised a comparatively simple and automatically-operating machine for transporting the logs between the parallel conveyers of his resawing apparatus. Such machine comprises, among other things, the horizontally-movable carriers, inclined conveyers, and inclined ways, the inclined carriers being necessary in the structure shown to elevate the logs in order that the ways may function in the manner intended.

Williams, on the other hand, does not use inclined conveyers. This patentee provides a somewhat elaborate mechanism for intermittently elevating his horizontally-movable carriers when it is desired to lift a log from the rollers corresponding to applicant's longitudinal conveyer.

The combination covered by claim 18 seems to be met by Cleveland.

The word "carriers" occurring in line 7 of claim 7, should be *conveyors*.

The decision of the Examiners in Chief is affirmed as to claims 1 to 6 and 10 to 18, inclusive, and reversed as to claims 7, 8, and 9.

Court of Appeals of the District of Columbia.

HOWARD COMPANY *v.* BALDWIN COMPANY. HOWARD COMPANY *v.* VALLEY GEM PIANO COMPANY.

Nos. 1,201 and 1,202. Decided March 3, 1919.

1. TRADE-MARKS—NAME OF PERSON OR CORPORATION.

The name of a person or corporation is not susceptible of exclusive appropriation as a trade-mark.

2. SAME—CANCELLATION—PRIOR USE OF MARK WHICH IS INCAPABLE OF EXCLUSIVE APPROPRIATION.

Priority of use of a trade-mark is immaterial in a cancellation proceeding where the mark was incapable of exclusive appropriation when adopted.

3. SAME—NAME OF PERSON OR CORPORATION—PROPERTY.
A man's name is his own property, and he has the same right to its use and enjoyment as he has to that of any other species of property, and the same rule applies to corporations.

4. SAME—SAME—REGISTRATION OF—DAMAGE.
The registration of the name of a party as a trade-mark is an invasion of a property right inhering in the name itself and damage will be presumed.

5. SAME—CANCELLATION—ACT OF 1905—SECTION 13, CONSTRUCTION OF.
Section 13 of the Trade-Mark Act of February 20, 1905, does not alter in any way the right of a registrant to his trade-mark, but merely provides a new remedy in case a trade-mark is registered by a party who never had or who has abandoned any right thereto.

HEARING on an appeal from a decision of the Commissioner of Patents dismissing a petition for cancellation of a registered trade-mark. Reversed.

The facts are stated in the opinion.

Mr. Samuel S. Watson for the R. S. Howard Company.

Mr. J. E. Cross for the Baldwin Company and Valley Gem Piano Company.

VAN ORSDEL, *J.:*

These are cancellation proceedings brought by R. S. Howard Company, a corporation, against the Baldwin Company, a corporation. One is to cancel the certificate of registration of a trade-mark consisting of the word "Howard" registered by the Baldwin Company on October 17, 1905, and the other is to cancel the certificate of registration for a trade-mark consisting of the word "Howard" in connection with the initials "V G P Co" arranged in monogram, registered by the Valley Gem Piano Company on March 8, 1898, and now owned by the Baldwin Company. Both marks were registered as trade-marks for pianos.

These cases were consolidated and heard together in the Patent Office, and will be so considered here. From the decision of the Commissioner denying the petition, the Howard Company appeals.

It appears that appellant corporation was organized in 1902, and that for a number of years prior to that R. S. Howard, the organizer of the corporation, had been an agent for the sale of pianos for the Baldwin Company. During that period, Howard sold pianos extensively throughout the country bearing the trade-mark "Howard." It appears, however, that pianos similarly marked were extensively sold by the Baldwin Company through other agencies than R. S. Howard. After its organization, the Howard Company sold pianos marked on the fall board "R. S. Howard Company," and advertised itself extensively as manufacturers of "Howard" pianos.

This resulted in a suit by the Baldwin Company against the Howard Company for unfair competition in the United States District Court for the Southern District of New York (233 Fed. 439), resulting in a decree restraining the Howard Company from making or selling pianos bearing the word "Howard" alone, but permitting it to use the marks "R. S. Howard Company" and "Robert S. Howard Company." The decree was affirmed by the United States circuit court of appeals (151 C. C. A. 230; 238 Fed. 154).

While an attempt was made to involve the present proceeding in that case, the court refused to interfere with its course in the Patent Office. The district judge, in his opinion, said:

> I am inclined to think if this court has the power, it is inadvisable to seek to prevent the continuance of the cancellation proceedings in the Office. It is plain to me that the object of these proceedings is primarily to get rid of something which constitutes an obstacle to the extension into certain foreign countries (*e. g.*, Cuba and Uruguay) of the business of the R. S. Howard Company. I doubt whether under our law the name "Howard," being a not infrequent surname or place name, can be appropriated as a strict trademark. I have no doubt that the original registration in 1898 was made with the full knowledge and consent of Mr. Robert S. Howard. He admits the knowledge; the consent is implied from the course of business. But if he could not make a strict trade-mark out of his own name, I am unable to see how anybody else could do it even with his consent.

The circuit court of appeals, referring to the validity of the trade-mark registration, said:

> The appellee's brief contains the following: • • • "The matter was not pressed by either side, and therefore there is no finding about it in the decree. It was evidently the opinion of the court below that all questions concerning the validity of the registrations should be left to the cancellation proceedings instituted by the R. S. Howard Company in the Patent Office and now about to come to final hearing there." We are inclined to think that the court was not called upon to hear what were practically moot questions not essential to a decision, and which, even if decided according to the appellant's contention, would not affect the controlling question in the least.

The court decisions can be dismissed from further consideration, since they were confined solely to the question of unfair competition, a matter of no concern in this proceeding, either by way of estoppel or otherwise. We are here dealing with the validity of the registration of the marks in question, in a proceeding in which the Commissioner of Patents is vested by statute with exclusive jurisdiction. Section 13 of the Trade-Mark Act of February 20, 1905, provides—

> that whenever any person shall deem himself injured by the registration of a trade-mark in the Patent Office he may at any time apply to the Commissioner of Patents to cancel the registration thereof. The Commissioner shall refer such application to the Examiner in Charge of Interferences, who is empowered to hear and determine this question and who shall give notice thereof to the registrant. If it appear after a hearing before the Examiner that the registrant was not entitled to the use of the mark at the date of his application for registration thereof, or that the mark is not used by the registrant, or has been abandoned, and the Examiner shall so decide, the Commissioner shall cancel the registration. Appeal may be taken to the Commissioner in person from the decision of the Examiner of Interferences. [33 Stat. at L. 728, chap. 592, Comp. Stat. 1916, sec. 9498, 9 Fed. Stat. Anno. 2d Ed. p. 779.]

Section 5 of the same act, as amended by the act of March 2, 1907, among other things, forbids the registration of a—

> mark which consists merely in the name of an individual, firm, corporation, or association, not written, printed, impressed, or woven in some particular or distinctive manner or in association with a portrait of the individual. [34 Stat. at L. 1251, chap. 2573, Comp. Stat. 1916, sec. 9490, 9 Fed. Stat. Anno. 2d Ed. p. 753.]

[1] Unquestionably, the Baldwin Company was the first to make a trade-mark use of the word "Howard," but in our view of the case that is of no importance. The sole question here is, was the Baldwin Company entitled to the exclusive use of this mark on the date of its application for registration? If not, has the Howard Company been injured by the registration of the mark? The right to register the name of a person or corporation, except under conditions not present in either of these cases, is expressly forbidden. *Wm. A. Rogers v. International Silver Co.*, 34 App. D. C. 410; 153 O. G. 1085. The mark in the Baldwin case and the dominating feature of the mark in the Valley Gem case is not only a common surname, but the name of appellant corporation, either of which is sufficient to prohibit the right of registration or to form the basis of an action for cancellation. As was said by Mr. Chief Justice Fuller in *Howe Scale Co. v. Wyckoff, Seamans & Benedict*, 198 U. S. 118, 134, 49 L. Ed. 972, 984, 25 Sup. Ct. Rep. 609; 116 O. G. 299.

> But it is well settled that a personal name cannot be exclusively appropriated by anyone as against others having a right to use it; and as the name "Remington" is an ordinary family surname, it was manifestly incapable of exclusive appropriation as a valid trademark, and its registration as such could not in itself give it validity. *Brown Chemical Co. v. Meyer*, 139 U. S. 540; 35 L. Ed. 247; 11 Sup. Ct. Rep. 625; 55 O. G. 287; *Singer Mfg. Co. v. June Mfg. Co.*, 163 U. S. 169; 41 L. Ed. 118; 16 Sup. Ct. Rep. 1022; *Elgin Nat. Watch Co. v. Illinois Watch Case Co.*, 179 U. S. 665; 45 L. Ed. 365; 21 Sup. Ct. Rep. 270; 94 O. G. 755.

[2, 3] It will be observed that the statutory prohibition relates back to the date of adoption. If it was then "incapable of exclusive appropriation," its validity may be assailed by anyone possessing the right. The question of priority of use is immaterial if no right to the use ever existed. As this court said in *Asbestone Co. v. Philip-Carey Mfg. Co.*, 41 App. D. C. 507, 509; 200 O. G. 857:

> The statute takes from the realm of possible registration the name of an individual, firm, corporation, or association, except under conditions not existing in this case. This limitation is founded upon sound principles of public policy. "A man's name is his own property, and he has the same right to its use and enjoyment as he has to that of any other species of property." *Brown Chemical Co. v. Meyer*, 139 U. S. 540; 35 L. Ed. 247; 11 Sup. Ct. Rep. 625. The same rule applies to a corporation. "That the name of a corporation is an essential part of its being, and that the courts, independent of statutory provision, will protect the corporation in the use of its name, seems to be well settled by the authorities, and the controlling principles in such a case are those applicable to trademarks." *Investor Pub. Co. v. Dobinson*, 72 Fed. 603. The converse is equally true. Had appellee been using the mark when appellant incorporated, it could not, by mere adoption of the name, have created an exclusive right to its use. *Goodyear's India Rubber Glove Mfg. Co. v. Goodyear Rubber Co.*, 128 U. S. 598; 32 L. Ed. 535; 9 Sup. Ct. Rep. 166; 46 O. G. 122.

[4] It follows that, at the date of the adoption of the mark by both the Valley Gem and Baldwin Companies, the word "Howard" was a surname in common use, and not available to either, for registration as a trade-mark. But the statute goes further, and requires that the registrant must be entitled to the use of the mark at the date of his application for registration thereof. When the Baldwin Company applied for the registration of the word "Howard," the Howard Company was in existence and a direct competitor of applicant in the piano business. Hence, the registration of its competitor's name was sought and secured in direct violation of the express terms of the statute.

But it is said that the Howard Company has not shown that it has been injured by the registration of its name. The element of damage enters into the right to challenge the registration of a technical trade-mark either in an opposition or a cancellation proceeding. In either case, the complaining party must show that he would be damaged unless the relief sought is granted. But, where the party is seeking to prevent the adoption of his name as a trade-mark or the cancellation of its registration, his action is grounded upon the invasion of a property right inhering in the name itself, and damage will be presumed. As we said in the *Asbestone Case*, supra:

> It is not the business which the statute in this particular aims to protect. It is the corporate name, and it is sufficient that possible damage may be inferred from invading the property right which the corporation possesses in its name.

[5] Section 13 of the act of 1905 provides a remedy which applies to registrations existing at the date of its passage, as well as to registrations made subsequent to its enactment. In *Black Betsy Coal & Min. Co. v. W. J. Hamilton Coal Co.*, 197 O. G. 998, Commissioner Ewing said:

> I see no reason why sec. 13 of the Trademark Act of 1905 should not be held to apply to trade-marks registered under the earlier act. Section 13 does not alter in any way the right of a registrant to his trade-mark, but merely provides a new remedy in case a trade-mark is registered by a party who never had or who has abandoned any right thereto. The language in sec. 13 is broad enough to cover registrations under the earlier act, and there is no reason for limiting its plain meaning.

The same interpretation was placed upon the statute by this court in *Stamatopoulos v. Stephano Bros.*, 41 App. D. C. 590; 200 O. G. 1394, where we said:

> The registration of trade-marks is regulated entirely by statute. There is no such property right acquired by registration as either forbids regulation or abolition by a subsequent act of Congress. Section 13 relates entirely to procedure in the Patent Office. The act of 1881 did not provide for challenging a registration by a proceeding for cancellation. The act of 1905 for the first time furnished this speedy and sensible remedy. Being merely remedial, and a matter of procedure, it was within the power of Congress to make it apply to all marks registered in the Patent Office. Intention to make it apply only to future marks is not indicated in the later act. Neither do we find anything to that effect in the saving clause in sec. 30 of the act. Provision as to cancellation did not exist in the prior acts, hence the saving clause in the later act could have no reference to that subject.

The decision of the Commissioner of Patents is reversed, and the clerk is directed to certify these proceedings as by law required. Reversed.

A petition for rehearing was denied March 29, 1919, and the opinion and judgment withheld pending decision of the Supreme Court of the United States on petition for a writ of certiorari.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

864,314, J. A. Le Roy, Independent framing device for kinetoscopes, suit filed Aug. 8, 1924, D. C., S. D. N. Y., Doc. E 30/96. *J. A. Le Roy* v. *The De Vry Corp.*

874,666, Gauthier & Rodrigues-Ely, Apparatus for perforating and cutting metals, suit filed Aug. 8, 1924, D. C., N. D. Calif. Doc. E 1319, *Air Reduction Co., Inc.*, v. *Victor Oxy-Acetylene Equipment Co.*

896,355, R. S. Brown, Mortising machine, suit filed July 31, 1924, D. C., N. D. Ill., Doc. 4208, *The New Britain Machine Co.* v. *Woodworkers Tool Works.*

913,632, C. H. Foster, Valve; 1,102,432, C. S. Peton, Combined foot rest and heater; 1,248,903,

same, Heater for motor-driven vehicles; T. M. 187,041, Perfection Heater & Mfg. Co., Exhaust-gas motor-car heater, suit filed July 29, 1924, D. C., N. D. Ill., Doc. 4206, *The Perfection Heater & Mfg. Co. et al.* v. *Channon Hughson Co.*

942,669, Sauerwein, Zacharias & Lewis, Transparent theater-program holder, suit filed July 9, 1924, D. C., N. D. Ill., Doc. 4172, *B. E. Lawrence* v. *H. Tuscheer.*

950,502, Appleton & Hoffmann, Outlet box; 1,016,925, A. I. Appleton, same, appeal filed July 3, 1924, C. C. A. (7th Cir.), Doc. 3457, *Chicago Fuse Mfg. Co.* v. *Roach Appleton Mfg. Co.*

1,016,925. (See 950,502.)

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, decree in favor of plaintiff, granting preliminary injunction, adjudging defendant has infringed, filed Aug. 8, 1924, D. C., S. D. N. Y., Doc. E 29/110, *Westinghouse Electric & Mfg. Co. et al.* v. *Experimental Information Service, Inc., et al.*

1,050,728. (See 1,050,441.)

1,102,432. (See 913,632.)

1,110,532, L. C. Byce, Incubator, suit filed Aug. 4, 1924, D. C., N. D. Calif., Doc. 1314, *Byce & Byce, (Petaluna Electric Incubator Co.)* v. *P. C. Butte (Butte Electric & Mfg. Co.).*

1,113,149. (See 1,050,441.)

1,148,328, Kohman, Hoffman & Godfrey, Manufacture of bread; 1,151,526, same, Yeast-saving composition in bread making, final decree July 10, 1924, holding patents valid as to all claims thereof, adjudging infringement, and granting permanent injunction; Fleischman & Co., owners of title and rights thereunder; special master appointed for accounting proceedings, D. C., N. D. Ohio (E. Div.), Doc. 1010, *Ward Baking Co.* (Fleischman & Co. substituted as party plaintiff by order of court July 10, 1924) v. *M. Romisch (Roco Products Co.).* Same, final decree July 10, 1924, holding patents valid as to all claims thereof, adjudging infringement by The Beyer Co., and granting permanent injunction; Fleischman & Co. owners of title and rights thereunder; special master appointed for accounting proceedings. July 15, 1924, supplemental final decree same as foregoing and injunction also granted against D. Beyer, Doc. 1011, *Ward Baking Co.* (Fleischman & Co. substituted as party plaintiff by order of court July 10, 1924) v. *The Beyer Co. and D. Beyer.*

1,151,526. (See 1,148,328.)

1,179,969, B. L. Spitzer, Film mount, suit filed July 24, 1924, D. C., N. D. Ill., Doc. 4186, *Victor X-Ray Corp.* v. *N. W. Foster.*

1,221,059, C. E. Jones, Hanger for light-reflecting bowls; Des. 45,881, same, Double-hook clamp, decree of the district court affirmed July 20, 1924, C. C. A. (7 Cir.), Doc. 3342, *Dallas Brass & Copper Co. et al.* v. *Faries Mfg. Co.*

1,248,903. (See 913,632.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, suit filed July 9, 1924, D. C., N. D. Ill., Doc. 4173, *The Bassick Mfg. Co.* v. *Up-To-Date Machine Works.*

1,307,734. (See 1,307,733.)

1,342,846, P. Santa Emma, Cornet mute, suits filed July 8, 1924, D. C., N. D. Ill., Doc. 4170, *J. Schwartz* v. *Independent Music Co. et al.* Same, Doc. 4171, *J. Schwartz* v. *Harmon Mute Co.*

1,346,337, R. C. Roark, Deodorizing material, suit filed Aug. 5, 1924, D. C., S. D. N. Y., Doc. E 30/90, *U. S. Sanitary Specialties Corp.* v. *Ellis Davidson Co., Inc.*

1,353,186, F. H. Sleeper, Tube-coiling machine, suit filed July 25, 1924, D. C., N. D. Ill., Doc. 4187, *Sleeper & Hartley, Inc.*, v. *Chicago Tubing & Braiding Co.*

1,366,042, J. H. Wagenhorst, Wheel and rim; 1,383,679, same, Demountable rim for automobile wheels, suit filed Aug. 2, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1261, *J. H. Wagenhorst et al.* v. *The Hydraulic Steel Co. et al.*

1,383,679. (See 1,366,042.)

1,414,713, Sherman & Morris, Cooking apparatus, suit filed July 21, 1924, D. C., N. D. Ill., Doc. 4181, *Doughnut Machine Corp.* v. *J. R. Nye.*

1,435,312, H. P. Kraft, Box, final consent decree sustaining patent, adjudging infringement, and granting injunction filed Aug. 8, 1924, D. C., S. D. N. Y., Doc. E 29/42, *A. Schrader's Sons, Inc.*, v. *Auto Hardware & Equipment Co., Inc.*

1,458,535, A. Meldrum, Bottle cap, suit filed Aug. 6, 1924, D. C., S. D. N. Y., Doc. E 30/93, *Smith Lee Co.* v. *Plympton Paper Products Corp.*

1,490,834, F. J. Kristofek, Pencil, suit filed July 14, 1924, D. C., N. D. Ill., Doc. 4177, *Brown & Bigelow* v. *Swanberg Mfg. Co.*

1,496,624, D. L. Christopher, Grand stand, suit filed July 17, 1924, D. C., N. D. Ill., Doc. 4178, *Leavitt Mfg. Co.* v. *Alexander Lumber Co. et al.*

Re. 14,667. (See 1,307,733.)

Des. 45,881. (See 1,221,059.)

Des. 57,041, F. D. Gould, Automobile top, suit filed Aug. 1, 1924, D. C., N. D. Calif., Doc. 1313, *F. D Gould Co.* v. *O. V. Thayer.*

T. M. 49,931, Erlanger Bros., Underwear, suit filed July 26, 1924, D. C., N. D. Ill., Doc. 4189, *The B. V. D. Co., Inc.*, v. *A Hoefeld et al.*

T. M. 187,041. (See 913,632.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,339,542, C. Birth, Calculating machine, decided August 16, 1924, claim 25.

Pat. 1,437,547, C. E. Pope, Upender, decided September 4, 1924, claim 1.

Pat. 1,457,280, R. H. Griffith, Disk harrow, decided August 7, 1924, claim 1.

Pat. 1,482,739, G. H. Du Paul, Temples for spectacles and the like, decided August 14, 1924, claims 1, 2, and 3.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 23, 1924.

[VOL. 326. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 152,248. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Aug. 27, 1921. Under section 5B of the Act of 1905 as amended in 1920.

GORHAM

Particular description of goods.—Metal Statuary, Memorial Tablets, and Other Memorials in Metal.
Claims use since 1904.

Ser. No. 161,004. (CLASS 39. CLOTHING.) WILLIAM HOLLINS & CO., LTD., London and Mansfield, England. Filed Mar. 21, 1922.

'Japshan'

Particular description of goods.—Negligee Shirts, Collars, Pyjamas, Dressing Gowns and Jackets, Blouses, Nightdresses, and Knitted Underwear, and Children's Dresses, Hosiery, and Bootees.
Claims use since 1914.

Ser. No. 165,569. (CLASS 39. CLOTHING.) C. B. SHANE Co., Chicago, Ill. Filed June 15, 1922.

CROSSTWIST

Particular description of goods.—Raincoats and Topcoats.
Claims use since on or about June 1, 1922.

Ser. No. 166,132. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STANLEY F. CRILLY, Altoona, Pa. Filed June 27, 1922.



No claim is made to the words "Trade Mark" apart from the mark shown in the drawing.
Particular description of goods.—Metal Spigots, Metal Pipe Unions, Metal Pipes, and Metal Pipe L's.
Claims use since Jan. 1, 1922.

Ser. No. 171,210. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN V. FARWELL COMPANY, Chicago, Ill. Filed Oct. 26, 1922. Under ten-year proviso.

HOUSEHOLD

Particular description of goods.—Bedspreads, Bedspread Bolsters, Comfortables, Table Padding, and Mattress Pads Composed of Textile Fabrics.
Claims use since on or about Jan. 1, 1895.

Ser. No. 171,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALICE WUNDER EARLEY, Los Angeles, Calif. Filed Oct. 30, 1922.

Bu-T-Meal

No claim is made for the use of the word "Meal" apart from the mark as shown.

Particular description of goods.—Toilet Preparation in the Form of a Meal to be Used Instead of Soap to Cleanse the Skin.

Claims use since 1910.

Ser. No. 173,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLTON GRAHAM JOHNSON, Columbus, Ga. Filed Dec. 16, 1922.

ALTERBURN

Particular description of goods.—Pharmaceutical Preparation Intended as a Local Application for Burns, Bruises, and Sprains.

Claims use since Aug. 1, 1922.

Ser. No. 175,012. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GOTTLIEB BROS., New York, N. Y. Filed Jan. 24, 1923.

CHAMPION

Trade-mark consists of the word "Champion."

Particular description of goods.—Knitting Pins, Crochet Hooks, Hand Sewing Needles, Thimbles Made from Base Metal or Celluloid, Beads, Stilettos, Stitch Holders, Bone Rings for Crochet Work, Embroidery Fringes, Brass Rings for Embroidery Work, Bodkins, Stamped Piece Goods, Embroidery Hoops, Silk Braid and Chenille Braid for Embroidery Purposes.

Claims use since Dec. 11, 1922.

Ser. No. 177,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENNEPIN MILL COMPANY, Minneapolis, Minn. Filed Mar. 20, 1923.

ARMY AND NAVY

Particular description of goods.—Wheat Flour.

Claims use since Feb. 17, 1923.

Ser. No. 177,762. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BARNET LEATHER CO., INC., New York, N. Y. Filed Mar. 21, 1923.

SUNSET

Particular description of goods.—Calf Leather.

Claims use since July 1, 1922.

Ser. No. 177,841. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GIMBEL BROTHERS, NEW YORK, New York, N. Y. Filed Mar. 22, 1923.

INTERNATIONAL

Particular description of goods.—Silk Piece Goods.

Claims use since October, 1914.

Ser. No. 178,446. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Apr. 2, 1923.

OLIVE COCOA

No claim is made to the words "Olive Cocoa" apart from the mark as shown.

Particular description of goods.—Soap.

Claims use since Mar. 19, 1923.

Ser. No. 179,026. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C. & C. COMPANY, Everett, Mass. Filed Apr. 12, 1923.

C. & C.

Particular description of goods.—Metal and Glass Polish.

Claims use since Apr. 7, 1923.

Ser. No. 181,753. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WM. B. KOCHENDERFER, doing business as Hydraulic Engineering & Equipment Co., Philadelphia, Pa. Filed June 9, 1923.

HYDRAULIC ENGINEERING & EQUIPMENT CO. HYEECO PHILADELPHIA

No claim is made to the word "Philadelphia" apart from the mark shown in the drawing.

Particular description of goods.—Hydraulic Valves, Pilot Valves, and Elevator Valves.

Claims use since about Mar. 21, 1923.

Ser. No. 182,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BOOTH PACKING COMPANY, branch of Gibbs & Company Inc., Baltimore, Md. Filed July 9, 1923.

GOLD SEAL

Particular description of goods.—Tomato Catchup, Canned Strawberries, Canned Pears, Canned Green Gooseberries, Canned Cherries, Canned Beans, Canned Pineapple, Canned Peas, Canned Peaches, Canned Blackberries, and Canned Pork and Beans.

Claims use since Dec. 1, 1890.

Ser. No. 183,021. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio. Filed July 10, 1923.

Particular description of goods.—Inner Tubes, Pneumatic Tires, and Cord Tires.

Claims use since Oct. 5, 1916.

Ser. No. 183,022. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio. Filed July 10, 1923.

PARA-BELL

Particular description of goods.—Inner Tubes, Pneumatic Tires, Cord Tires, and Fabric Tires.

Claims use since Oct. 5, 1916.

Ser. No. 183,141. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELECTRONET SALES COMPANY, Salt Lake City, Utah. Filed July 13, 1923.

Magnecoil TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark shown by the drawing.

Particular description of goods.—Electrical Appliances Consisting of Robes, Blankets, Pads, Etc. These appliances are Manufactured by Fastening to Ordinary Blanket, Bath Robe, and Other Cloths a Network of Copper Wire with Suitable Fastenings and Apparatus Permitting the Same to be Attached to Electrical Current and Conducting said Electrical Current Through said Copper Wires Woven into and Fastened to said Blankets, Robes, Etc., Thereby Generating Heat and Constituting a Magnet Which When Applied to the Human Body has Certain Curative Values.

Claims use since about Mar. 15, 1922.

Ser. No. 183,907. (CLASS 5. ADHESIVES.) CHEMICAL RESEARCH COMPANY OF LYNN, MASS., Chicago, Ill. Filed Aug. 1, 1923.

3—IN—1

Particular description of goods.—Combination Cement.

Claims use since August, 1907.

Ser. No. 184,111. (CLASS 39. CLOTHING.) WELFIT BRASSIERE CO., New York, N. Y. Filed Aug. 4, 1923.

KUMFY KUT

Particular description of goods.—Brassières, Bandeaux, and Girdles.

Claims use since Jan. 1, 1923.

Ser. No. 184,720. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE FULTON PAINT CO., Cleveland, Ohio. Filed Aug. 20, 1923.

SEALTOP

Trade-mark "Sealtop."

Particular description of goods.—Liquid Coating Material in the Nature of a Paint.

Claims use since July 15, 1923.

Ser. No. 184,764. (CLASS 39. CLOTHING.) ROYAL KIDDY WARE CO., INC., New York, N. Y. Filed Aug. 20, 1923.

ROYAL BABY

Particular description of goods.—Infants' Wear—Namely, Buntings, Bath Robes, and Carriage Robes.

Claims use since Aug. 1, 1923.

Ser. No. 185,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. BUBB & SONS, Williamsport, Pa. Filed Aug. 27, 1923.



Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Salad Dressing, Canned Fish, and Coffee.
Claims use since Apr. 2, 1923.

Ser. No. 185,097. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION TOOL COMPANY, Torrance, Calif. Filed Aug. 28, 1923.

IDEAL
ELECTRIC
STEEL

No claim is made to the words "Electric Steel" apart from the mark as shown in the drawing.
Particular description of goods.—Oil-Well Tools and Equipment Comprising Fishtail Bits, Standard Drilling Bits, Underreamers, and Standard Drilling and Fishing Jars.
Claims use since Mar. 20, 1923.

Ser. No. 185,465. (CLASS 45. BEVERAGES, NONALCOHOLIC.) R. M. HUGHES & Co., Louisville, Ky. Filed Sept. 7, 1923.

Ciroy

Particular description of goods.—Synthetic Drinks and Fruit Juices for Beverage Purposes.
Claims use since about Oct. 5, 1903.

Ser. No. 185,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARDORN CHEMICAL CORPORATION, New York, N. Y. Filed Sept. 8, 1923.

X-IT

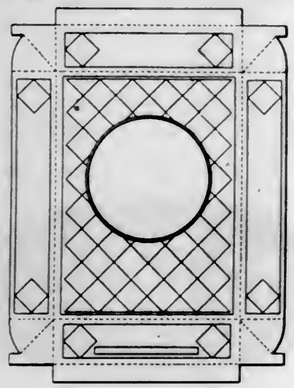
Particular description of goods.—Mouth Wash, Gargle, and Spray for the Nose and Throat, Used as a General Tonic for Membraneous Tissues and as a Sedative for the Relief of Pain Caused by Lesions in the Tissues, Gums, or Cavities of the Teeth.
Claims use since June 15, 1923.

Ser. No. 185,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARDORN CHEMICAL CORPORATION, New York, N. Y. Filed Sept. 8, 1923.

X-IT

Particular description of goods.—Pyorrhea Remedy and Preventive; Dentifrice, a Specific for the Removal of Dead Tissues; Disinfectant and Deodorant for the Teeth, and as a General Tonic for the Gums.
Claims use since June 15, 1923.

Ser. No. 185,567. (CLASS 39. CLOTHING.) THE C. B. CONES & SON MFG. CO., Indianapolis, Ind. Filed Sept. 10, 1923.



The lining on the drawing is not to indicate any specific Colors but is Employed to Show Contrast.
Particular description of goods.—Work Shirts.
Claims use since June 26, 1923.

Ser. No. 186,393. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SMITH-MCCORD-TOWNSEND DRY GOODS CO., Kansas City, Mo. Filed Sept. 29, 1923.

RADIUM
SATIN

No claim is made to the word "Satin" apart from the mark as shown, but reserving all common-law rights.
Particular description of goods.—Cotton Piece Goods not Including Ribbons, Curtains, or Draperies.
Claims use since Nov. 15, 1919.

Ser. No. 186,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL DRUG CO., Milwaukee, Wis. Filed Oct. 5, 1923.

COUGH DROPS
2¢
PROFIT

The words "Cough Drops" appearing in the trade-mark as illustrated in the accompanying drawing are disclaimed apart from the mark as shown.
Particular description of goods.—Drugs—Namely, Cough Drops.
Claims use since June 15, 1923.

Ser. No. 188,106. (CLASS 38. PRINTS AND PUBLICATIONS.) DOUBLEDAY PAGE BOOK SHOP COMPANY, Garden City, N. Y. Filed Nov. 8, 1923.

The
BOOK DIAL

Particular description of goods.—Leaflets, Pamphlets, Books, or Booklets Published from Time to Time.
Claims use since Oct. 24, 1923.

Ser. No. 188,456. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXTILE PUBLISHING COMPANY, New York, N. Y. Filed Nov. 16, 1923.

Pacific Coast
MERCHANT-ECONOMIST

Particular description of goods.—Publication Issued Every Two Weeks.
Claims use since Nov. 10, 1923.

Ser. No. 188,540. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif. Filed Nov. 19, 1923.

Clean Cut

Particular description of goods.—Adzes, Hammers, Tool Handles, Saw Sets, Saw Vises, Braces, Augers, Gimlets, Countersinks, Reamers, Screw Drivers, Trowels, Pliers, Nippers, Razors, Butcher Knives, Bread Knives, Slicers, Kitchen Knives, Table Cutlery of Base Metal, Pocketknives, Putty Knives, Carvers, Punches, Nail Sets, Wrenches, Screw Plates, Tool Grinders, Lawn Mowers, Hedge Shears, Grass Shears, Sheep Shears, Hay Knives, Corn Knives, Grass Hooks, Shovels and Spades, and Can Openers.
Claims use since Jan. 1, 1908.

Ser. No. 189,351. (CLASS 32. FURNITURE AND UPHOLSTERY.) FREDERICK O. BERG, doing business as F. O. Berg Company, Spokane, Wash. Filed Dec. 7, 1923.

Jiffy

Particular description of goods.—Folding and Knockdown Tables, Chairs, Stools, and Wardrobes.
Claims use since Jan. 2, 1921.

Ser. No. 189,522. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923.

FINISHED BY SAYLES BLEACHERIES SAYLESVILLE, R.I.

No claim is made to the exclusive use of the words "Finished by Saylesville, R. I.," apart from the mark as shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use for more than five years.

Ser. No. 189,531. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923.



No claim is made to the exclusive use of the words "Finished at Saylesville, R. I.," apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Piece Goods.

Claims use since Apr. 13, 1897.

Ser. No. 189,532. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923.



No claim is made to the exclusive use of the words "Finished at Saylesville, R. I.," apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Piece Goods.

Claims use for over five years.

Ser. No. 190,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATHLEEN E. MACAULAY, New York, N. Y. Filed Jan. 10, 1924.

Macaulay

The mark appearing on the drawing is a facsimile of the signature of the applicant.

Particular description of goods.—Face Powder and Talcum Powder.

Claims use since Dec. 22, 1921.

Ser. No. 190,738. (CLASS 32. FURNITURE AND UPHOLSTERY.) MURDOCK & WILCEK, Los Angeles, Calif. Filed Jan. 12, 1924.

FINER MAID

The words "Quality Supreme" are disclaimed apart from the mark shown.

Particular description of goods.—Davenports, Household Chairs, Rockers, Cane Suites, Couches, Lounges, Ottomans, and Day Beds.

Claims use since Mar. 6, 1923.

Ser. No. 191,002. (CLASS 12. CONSTRUCTION MATERIALS.) THE CAMPBELL & DANN MANUFACTURING COMPANY, Tullahoma, Tenn. Filed Jan. 19, 1924.

"KLONDYKE BRAND"

The word "Brand" is disclaimed.

Particular description of goods.—Hardwood Flooring.

Claims use since Nov. 15, 1922.

Ser. No. 191,327. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHS. LAVY & CO., Hamburg, Germany. Filed Jan. 26, 1924.

LACO

Particular description of goods.—Rubber Sheeting, Waterproof Materials in the Piece of Rubber-Impregnated Knitted and Textile Fabrics, Rubber and Felt Rugs, and Felt.

Claims use since 1919.

Ser. No. 191,632. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHS. LAVY & CO., Hamburg, Germany. Filed Feb. 1, 1924.

Laco

Particular description of goods.—Rubber Sheeting, Waterproof Materials in the Piece of Rubber-Impregnated Knited and Textile Fabrics, Rubber and Felt Rugs, and Felt.

Claims use since 1912.

Ser. No. 191,678. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHRISTIAN VICK, doing business as Excelsior Varnish Works, Cleveland, Ohio. Filed Feb. 2, 1924.

VYKON

Particular description of goods.—Varnishes, Paint Enamels, Fillers, Stains, Furniture Polish, Paste and Ready-Mixed Paints.

Claims use since January, 1923.

Ser. No. 191,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS E. HASELHUHN, Detroit, Mich. Filed Feb. 4, 1924.

Maizelle

Particular description of goods.—Face Creams, Face Powders, Face and Hand Lotions, and Hand Creams.

Claims use since Jan. 30, 1924.

Ser. No. 192,491. (CLASS 12. CONSTRUCTION MATERIALS.) THE S. OBERMAYER CO., Chicago, Ill. Filed Feb. 18, 1924.

RAMITE

Particular description of goods.—Fire Brick in Plastic Form Suitable for Furnace Lining and Kindred Uses.

Claims use since Apr. 1, 1923.

Ser. No. 192,623. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KANSAS CITY MACARONI & IMPORTING CO., Kansas City, Mo. Filed Feb. 21, 1924.

LA ROSA DI SICILIA

Particular description of goods.—Alimentary Pastes.

Claims use since July, 1917.

Ser. No. 192,670. (CLASS 39. CLOTHING.) BOB CAP CO., doing business as Nobby Cap Company, St. Louis, Mo. Filed Feb. 23, 1924.

NOBBY

Particular description of goods.—Men's and Boys' Cloth Caps.

Claims use since Jan. 15, 1924.

Ser. No. 193,048. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed Feb. 29, 1924.



In the drawing the lining is for the purpose of shading only.

Particular description of goods.—Bleached Cotton Piece Goods.

Claims use since 1876.

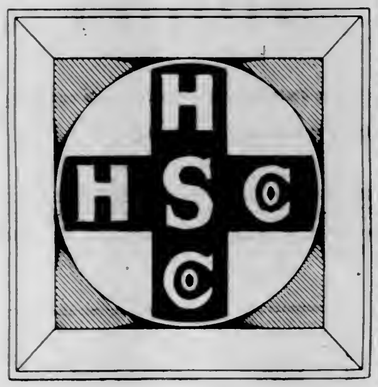
Ser. No. 193,688. (CLASS 12. CONSTRUCTION MATERIALS.) UNION IRON WORKS OF LOS ANGELES, Los Angeles, Calif. Filed Mar. 12, 1924.

WESTYPE

Particular description of goods.—Materials for Building Construction—Namely, Foundations of Concrete, Supporting Framework of Steel, Roof Covering of Corrugated Iron, Wood Sheathing, Composition Paper, and Concrete.

Claims use since Feb. 13, 1923.

Ser. No. 194,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HANLIN SUPPLY COMPANY, Newton, Kans. Filed Mar. 19, 1924.



The lining of drawing is for shading only.

Particular description of goods.—Canned Vegetables, Canned Fruits, Sugar, Rice, Wheat Flour, Oatmeal, Hominy, Dried Beans, Macaroni, Corn Meal, Butter, Crackers, Cakes, Cheese, Spices, Tea, Coffee, Cocoa, Chocolate, Nuts in Their Natural State, Raisins, Dried Currants, Canned Figs, Dates, Citron, Table Sirup, Pepper, Lard, and Chili Peppers.

Claims use since Nov. 1, 1923.

Ser. No. 194,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADAM BROTHERS COMPANY, Houston, Tex. Filed Mar. 21, 1924.



The picture shown in the drawing is fanciful.

Particular description of goods.—Pickles, Vinegar, Prepared Mustard, Pepper Sauce, Olives, Preserved Figs, and Condiments—viz, Sweet Relish.

Claims use since July 21, 1922.

Ser. No. 194,428. (CLASS 39. CLOTHING.) BEN BECKMAN, doing business as Beckman's Fur Factory, Los Angeles, Calif. Filed Mar. 26, 1924.



The central area of the label and the scrolls are in green. The border and the name "Beckman's" are in gold.

Particular description of goods.—Fur Articles of Wear—Namely, Capes, Coats, Wraps, and Neck Pieces.

Claims use since about December, 1905.

Ser. No. 194,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL BLUE STORES, INC., Chicago, Ill. Filed Mar. 26, 1924.

Particular description of goods.—Canned Fruits and Fruit Preserves, Including Apples, Apple Butter, Apple Sauce, Apricots, Apricot Butter, Blackberries, Blackberry Preserves, Blueberries, Royal Anne Cherries, Pitted Cherries, Egg Plums, Figs, Grapes, Grapefruit, Grape Marmalade, Gooseberries, Loganberries, Loganberry Preserves, Peaches, Pears, Pineapple, Red Raspberries, Red Raspberry Preserves, Strawberries, Strawberry Preserves; Canned Vegetables, Including Asparagus, Baked Beans, Beets, Celery, Kidney Beans, Lima Beans, Okra, Peas, Pumpkin, String Beans, Succotash, Sweet Corn, Sweet Potatoes, Tomatoes, and Spinach; Canned Sea Food—Namely, Clams, Codfish, Lobster, Oysters, and Shrimp; Canned Meats—Namely, Chicken, Deviled Chicken, Deviled Ham, Sliced Beef, Tongue, and Bacon; Canned Soups, Including Bean, Clam Chowder, and Tomato; Canned Mincemeat and Plum Pudding; Relishes—Namely, Chili Sauce, Green and Ripe Olives, Red Peppers, Sweet Relish Pickles, Tomato Catchup, and Cocktail Catchup; Spices—Namely, African Ginger, Allspice, Black Pepper, Capers, Celery Salt, Cinnamon, Cloves, Curry Powder, Mace, Mustard, Nutmeg, Poultry Seasoning, Prepared Mustard, Paprika, White Pepper, and Sage; Mexican Chilis, Salad Dressing, Vinegar, Condensed Milk, Coffee, Tea; Citron Peel, Crystallized Ginger, Butter, Dried Grapefruit Peel, Dried Lemon Peel, and Dried Orange Peel; Shredded Coconut, Walnut Meats in Their Natural State, Peanut Butter, Marshmallow Creme, Maple Sirup, Sugar, Dessert Tapioca and Pearl Tapioca, Barley, Cake Flour, Corn Meal, Farina, Wheat Breakfast Food, Lye Hominy, Granulated Hominy, Pearl Hominy, Pancake Flour, Pop Corn in Its Natural State, Rice, Rice Flour, Self-Rising Buckwheat Flour, Wheat Flour, Wheat Bran, Graham Flour, Entire-Wheat Flour, and Gluten Flour.

Claims use since August, 1923.

Ser. No. 194,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST LEBERS, New York, N. Y. Filed Mar. 31, 1924.



Particular description of goods.—Eggs, Butter, and Cheese.

Claims use since January, 1923.

Ser. No. 194,943. (CLASS 39. CLOTHING.) V. PERRIN & CIE., Grenoble, France, and New York, N. Y. Filed Apr. 3, 1924.

CALMO

Particular description of goods.—Men's, Women's, and Children's Leather Gloves.

Claims use since Jan. 1, 1886.

Ser. No. 195,139. (CLASS 38. PRINTS AND PUBLICATIONS.) LORON A. TAYLOR, East Cleveland, Ohio. Filed Apr. 7, 1924.

MOM'N POP

Particular description of goods.—Comic Serial for Newspapers and Other Publications.

Claims use since Feb. 15, 1924.

Ser. No. 195,410. (CLASS 43. THREAD AND YARN.) NAAMLOOZE VENNOOTSCHAP HOLLANDSCHE KUNSTZIJDE INDUSTRIE, Emer, Breda, Netherlands. Filed Apr. 11, 1924.



Trade-mark consists of a fanciful representation of a Dutch maiden seated in a chair in a garden, a spinning wheel being shown in the front and upon which the maiden is working, the whole being surrounded by or contained within a circle.

Particular description of goods.—Artificial Silk Thread and Yarn.

Claims use since Sept. 1, 1921.

Ser. No. 195,596. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PERFECTION SHINE POLISH CO., Du Quoin, Ill. Filed Apr. 15, 1924.



Particular description of goods.—Polish for Automobiles and Furniture.

Claims use since March, 1923.

Ser. No. 195,597. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JULIUS PINTSCH AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 15, 1924.

JPAGNOM

Particular description of goods.—Gas-Producing Plants.
Claims use since Feb. 15, 1924.

Ser. No. 195,610. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

IG

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1899.

Ser. No. 195,611. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

KALA

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1904.

Ser. No. 195,612. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

B TN L

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1922.

Ser. No. 195,613. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

A TN B

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1899.

Ser. No. 195,615. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1874.

Ser. No. 195,617. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

TN1

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1913.

Ser. No. 195,618. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBBO

AC

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1874.

Ser. No. 195,619. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO

C TN V

Particular description of goods.—Gum Shellac, Orange Shellac, Button Lac, and Garnet Lac.
Claims use since Dec. 31, 1922.

Ser. No. 195,878. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FLINT VARNISH & COLOR WORKS, Flint, Mich. Filed Apr. 21, 1924.

FLINTFLEX

The right to exclusive use of the word "Flint" apart from the mark shown in the drawing is disclaimed. The cross lining is used in the drawing to indicate color.
Particular description of goods.—Paint Enamels, Body Colors, Primers, Varnish, Surfacers, Clear, and Putty.
Claims use since Jan. 15, 1924.

Ser. No. 195,896. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANDERS LINDAHL, Stockholm, Sweden. Filed Apr. 21, 1924.

POMMAC

Particular description of goods.—Lemonade, Nonalcoholic, Maltless Soft Drinks, and Essences and Extracts for Preparing Such Drinks.
Claims use since Mar. 5, 1920.

Ser. No. 195,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUBER BAKING COMPANY, Wilmington, Del. Filed Apr. 22, 1924.

SAFETY

Particular description of goods.—Bread, Cakes, Pies, Buns, and Rolls.
Claims use since Apr. 16, 1924.

Ser. No. 196,143. (CLASS 39. CLOTHING.) A. V. VICTORIUS & CO., New York, N. Y. Filed Apr. 25, 1924.

IRONWEVE

Particular description of goods.—Hosiery.
Claims use since Mar. 25, 1923.

Ser. No. 196,256. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALFRED OBERLE, Oak Park, Ill. Filed Apr. 28, 1924.

OBIRLITE

Particular description of goods.—Liquid Polishes for Floors, Furniture, Woodwork, Automobiles, and Linoleum.
Claims use since Mar. 15, 1923.

Ser. No. 196,513. (CLASS 39. CLOTHING.) CLIMAX SPECIALTY COMPANY, St. Louis, Mo. Filed May 3, 1924.

Climax

Particular description of goods.—Babies' Nightgowns Made of Flannelette; Babies' Bands Made of Flannel, Knit Goods, or Nainsook; Babies' Sacks Made of Flannelette, Cashmere, or Silk; Babies' Kimonos Made of Flannelette or Cashmere, Babies' Underskirts or Gertrudes Made of Flannel or Flannelette, and Babies' Caps, Dresses, Aprons, and Bibs.
Claims use since Dec. 1, 1923.

Ser. No. 196,544. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RITTENHOUSE & SWEETLAND, San Diego, Calif., Filed May 3, 1924.

SPYNENGINE

The lining of trade-mark expresses the color red.
Particular description of goods.—Chiropractic Machines.
Claims use since Mar. 15, 1924.

Ser. No. 196,545. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RITTENHOUSE & SWEETLAND, San Diego, Calif. Filed May 3, 1924.

VITA-MOTOR

Particular description of goods.—Chiropractic Machines.
Claims use since Jan. 1, 1924.

Ser. No. 196,584. (CLASS 39. CLOTHING.) ED. C. ELLES, Marion, Ill. Filed May 5, 1924.

PEEKKNIT HOSIERY

The color lining appearing on the drawing represents the colors blue and gold, but does not form an essential feature of the mark, and no claim is made to these particular colors. No claim is made to the word "Hosiery" apart from the mark as shown.
Particular description of goods.—Hosiery.
Claims use since November, 1923.

Ser. No. 196,668. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. MERCK, Darmstadt, Germany. Filed May 6, 1924.

CUPREX

Particular description of goods.—Preparation for the Extermination of Ectoparasites on Men, Animals, and Plants.
Claims use since May, 1923.

Ser. No. 196,716. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed May 7, 1924.

NEURO FOSFATO ESKAY

Particular description of goods.—Medicines for Diseases of the Nervous System.
Claims use since June 14, 1922.

Ser. No. 196,733. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EGAN AND HAUSMAN COMPANY, INC., New York, N. Y., Filed May 8, 1924.

E.R.H. IDEAL NON-PACK FLAT WHITE

All reading matter except the letters "E. R. H." is disclaimed apart from its association with the mark as shown, no common-law rights being waived.
Particular description of goods.—Flat Paint for Interior.
Claims use since Mar. 26, 1923.

Ser. No. 196,768. (CLASS 39. CLOTHING.) LOUIS SHAPIRO & CO., INC., New York, N. Y. Filed May 8, 1924.

Tex-Effex

Trade-mark consists of the word "Tex-Effex."
Particular description of goods.—Men's Ready-Made Suits and Overcoats.
Claims use since Mar. 3, 1924.

Ser. No. 196,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUBURNDALE CITRUS GROWERS ASSOCIATION, Auburndale, Fla. Filed May 9, 1924.

ARIANA

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 1, 1923.

Ser. No. 197,287. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) L. MUNDET & SON, INC., Brooklyn, N. Y. Filed May 19, 1924.

Jointite

Particular description of goods.—Articles Made of Natural Cork, of Cork Particles, and of Cork Composition—Namely, Cork Insulation, Cork Pipe Covering, and Cork Tile.
Claims use since 1918.

Ser. No. 197,304. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS TEUSCHER, Jr., St. Louis, Mo. Filed May 19, 1924.

Regal

Particular description of goods.—Concentrated Barley-Malt Extract in Sirup Form for Food Purposes.
Claims use since Jan. 24, 1924.

Ser. No. 197,393. (CLASS 39. CLOTHING.) RITE-STYLE CORPORATION, Norfolk, Va. Filed May 21, 1924.

RITE-STYLE CORPORATION NORFOLK, VA.

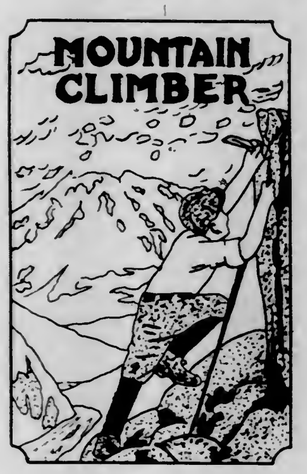
No claim is made to words "Norfolk, Va." apart from the mark shown on the drawing.
Particular description of goods.—Ladies' Gymnasium Suits, Gymnasium Waists, Middy Suits, Blouses, Bloomers, Knickers, Bathing Suits, Bathing Caps, Bathing Belts, Dresses, Hosiery, Ties, Women's Hats; Athletic Shoes of Leather, Rubber, Fabric, and Combinations Thereof; and Ballet Slippers.
Claims use since July 13, 1923.

Ser. No. 197,471. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ECONOMY FOUNTAIN COMPANY, Birmingham, Ala. Filed May 23, 1924.

ECONOMY

Particular description of goods.—Soda Fountains and Equipment Therefor.
Claims use since September, 1923.

Ser. No. 197,600. (CLASS 39. CLOTHING.) DAVID JACOBS CORPORATION, New York, N. Y. Filed May 26, 1924.



Particular description of goods.—Ladies', Men's, and Children's Hosiery.
Claims use since Nov. 1, 1923.

Ser. No. 197,619. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE S. PRICE, doing business as B. & M. Laboratories, Newark, N. J. Filed May 26, 1924.



The words "Trade-Mark" and "New York City" appearing on the drawing are disclaimed.
Particular description of goods.—Soda-Mint Granules, a Medicinal Preparation for Indigestion, Heartburn, Sick Headache, Acidity, Flatulence, and Nausea.
Claims use since May, 1922.

Ser. No. 197,784. (CLASS 39. CLOTHING.) SHOSTAK NOVELTY CO. INC., New York, N. Y. Filed May 28, 1924.



Particular description of goods.—Flannelette Wear—viz, Children's Pyjamas, Sleeping Garments, and Dresses, Rompers, Creepers, and Wash Suits in One and Two Piece Garments.
Claims use since Jan. 14, 1924.

Ser. No. 197,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUBACH'S PRODUCTS CO., Tiffin, Ohio. Filed June 2, 1924.



Particular description of goods.—Ice Cream, Butter, Milk, Cheese.
Claims use since June 2, 1919.

Ser. No. 197,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY J. BARBEY, doing business as Barbey Packing Co., Warrenton, Oreg. Filed June 3, 1924.

COLUMBIA KIST

Particular description of goods.—Canned Salmon.
Claims use since Sept. 26, 1921.

Ser. No. 197,992. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLEAN-ALL MANUFACTURING COMPANY, Syracuse, N. Y. Filed June 3, 1924.

CLEAN-ALL



Particular description of goods.—Cleanser for Cleaning Silverware, Woodwork, and the Like.
Claims use since May 1, 1924.

Ser. No. 197,993. (CLASS 33. GLASSWARE.) CORNING GLASS WORKS, Corning, N. Y. Filed June 3, 1924.

PYREX

Particular description of goods.—Glass Fruit Jars.
Claims use since May 20, 1924.

Ser. No. 198,024. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NICHOLS MANUFACTURING COMPANY, Bridgeport, Conn. Filed June 3, 1924.

Elast-O-Shirr

Particular description of goods.—Shirred Elastic.
Claims use since on or about May 16, 1924.

Ser. No. 198,037. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) I. STERN & CO., New York, N. Y. Filed June 3, 1924.



Particular description of goods.—Dental Supplies—Namely, Gold Plate, Gold Shells, Gold Disks, Gold Backings, Fusing Metal, Palladium, Gold Solders, Filling Gold, Casting Golds, Pellets, Inlays, Pure Gold Nuggets, Saddles, Eighteen-Karat and Three Per Cent Platinum Alloy, Coin and Eight Per Cent Platinum Alloy, Cast Clasps, Lingual Bars, Attachments for Removable Bridgework, Dentures, Dental Pins, Dental Tubes, Supplee Dental Bridge Attachments, Boos Dental Bridge Attachments, Brown Dental Bridge Attachments, Stern Adjustable Dental Bridge Attachments, McCollum Dental Bridge Attachments, Sorensen Dental Bridge Attachments, Reenforcing Plates, Porcelain Teeth, Dental Solder, Metal Band Material, Spring Gold Band Material, Amalgam Alloy, Tooth-Filling Material.
Claims use since 1907.

Ser. No. 198,088. (CLASS 39. CLOTHING.) ROSENTHAL, LEWIS & RITTER, New York, N. Y. Filed June 4, 1924.



Particular description of goods.—Women's Undergarments Made of Knitted Artificial Silk, and Hosiery.
Claims use since May 1, 1924.

Ser. No. 198,207. (CLASS 6. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.

AMCO

Particular description of goods.—Paste Powder.
Claims use since February, 1923.

Ser. No. 198,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed June 9, 1924.



Particular description of goods.—Wheat Flour.
Claims use since about 1890.

Ser. No. 198,410. (CLASS 38. PRINTS AND PUBLICATIONS.) HOME MAKERS OF THE WORLD, Chicago, Ill. Filed June 11, 1924.



Particular description of goods.—Publications, Particularly Printed Books Containing Recipes and Printed Books for Educational Purposes Printed at Irregular Intervals.
Claims use since July 1, 1923.

Ser. No. 198,411. (CLASS 38. PRINTS AND PUBLICATIONS.) HOME MAKERS OF THE WORLD, Chicago, Ill. Filed June 11, 1924.

HOME MAKERS OF THE WORLD

Particular description of goods.—Publications, Particularly Printed Books Containing Recipes and Printed Books for Educational Purposes Printed at Irregular Intervals.
Claims use since July 1, 1923.

Ser. No. 198,428. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SWINNEY BROTHERS, LIMITED, Morpeth, England. Filed June 11, 1924.

SWINNEY BROS. LIMITED
KOLLANOIL
WANSBECK IRONWORKS MORPETH (ENGLAND)

No claim is made to the words "Morpeth, England," apart from the mark shown on the drawing.
Particular description of goods.—Coal and Oil Cooking Ranges and Stoves.
Claims use since Dec. 17, 1923.

Ser. No. 198,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed June 11, 1924. Under ten-year proviso.

WRIGLEY'S

Particular description of goods.—Chewing Gum.
Claims use since about Jan. 1, 1892.

Ser. No. 198,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSHAK MALTMOLAK CO. INC., New York and Brooklyn, N. Y. Filed June 12, 1924.

מאלטמאלאק

The mark consists of the word "Maltmolak" written in Hebrew characters.
Particular description of goods.—Food Products Consisting of Sugar Combined with Dry Skim Milk, Dry Whole Milk, Cocoa, and Malt.
Claims use since about May 10, 1924.

Ser. No. 198,522. (CLASS 39. CLOTHING.) HOLLAND SHOE CO., Holland, Mich. Filed June 13, 1924.

BRUTUS

Particular description of goods.—Leather Boots and Shoes.
Claims use since Mar. 1, 1923.

Ser. No. 198,605. (CLASS 39. CLOTHING.) HELEN M. ARTHUR, Springfield, Ohio. Filed June 16, 1924.

M Madeline

Particular description of goods.—Women's and Children's Hats.
Claims use since Jan. 1, 1921.

Ser. No. 198,610. (CLASS 39. CLOTHING.) THE BALLSTON KNIT GLOVE COMPANY, Ballston and Ballston Spa, N. Y. Filed June 16, 1924.

Ackshand KNIT

No claim is made herein to the exclusive use of the word "Knit" apart from the trade-mark shown.
Particular description of goods.—Knit Gloves.
Claims use since June 3, 1924.

Ser. No. 198,701. (CLASS 39. CLOTHING.) SIDNEY L. DANFORTH, doing business as Lincoln Shoe Company, St. Paul, Minn. Filed June 17, 1924.

LINCOLN SHOE CO
HONEST VALUES SPLIT PRICES

No claim is made to the words "Honest Values, Split Prices" apart from the mark as shown.
Particular description of goods.—Leather Shoes.
Claims use since Apr. 1, 1924.

Ser. No. 198,714. (CLASS 39. CLOTHING.) LA RESISTA CORSET CO., Bridgeport, Conn. Filed June 17, 1924.

RESISTARUBBER

Particular description of goods.—Corsets.
Claims use since June 3, 1924.

Ser. No. 198,762. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ATTILIO RAUCCI, doing business as The Raucci Company, Pleasanton, Calif. Filed June 18, 1924.

IL Marsalino

Particular description of goods.—Grape Sirup.
Claims use since Mar. 1, 1923.

Ser. No. 198,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. KILLIAN CO., Baltimore, Md. Filed June 19, 1924.



The word "Brand" is disclaimed.
Particular description of goods.—Canned Vegetables.
Claims use since 1919.

Ser. No. 198,824. (CLASS 38. PRINTS AND PUBLICATIONS.) THE STANDARD CORPORATION, New York, N. Y. Filed June 19, 1924.

Modes & Manners

Particular description of goods.—Fashion Periodical and Magazine.
Claims use since May 24, 1924.

Ser. No. 198,827. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HERMAN EDWARD WERNER, Akron, Ohio. Filed June 19, 1924.

Pon-jo

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since June 2, 1924.

Ser. No. 198,902. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

MARY CAREY

"Mary Carey."
Particular description of goods.—Beds.
Claims use since Jan. 2, 1923.

Ser. No. 198,903. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

POLLY CARROLL

Polly Carroll was the wife of Charles Carroll of Carrollton, signer of the Declaration of Independence.
Particular description of goods.—Beds.
Claims use since Jan. 1, 1924.

Ser. No. 198,905. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

GRACE DARLING

The name Grace Darling is that of the noted English heroine, deceased 1842.
Particular description of goods.—Beds.
Claims use since Jan. 1, 1922.

Ser. No. 198,906. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

KITTY DUER

Kitty Duer was the wife of William Duer, member of the Continental Congress of 1777–8.

Particular description of goods.—Beds.
Claims use since Jan. 1, 1924.

Ser. No. 198,907. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

PAMELA DWIGHT

"Pamela Dwight."
Particular description of goods.—Beds.
Claims use since Jan. 1, 1924.

Ser. No. 198,908. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

BETTY FAIRFAX

"Betty Fairfax."
Particular description of goods.—Beds.
Claims use since Aug. 1, 1922.

Ser. No. 198,909. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington Del., and Nashville, Tenn. Filed June 20, 1924.

FANNY FARMER

"Fanny Farmer."
Particular description of goods.—Beds.
Claims use since Mar. 1, 1922.

Ser. No. 198,910. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington Del., and Nashville, Tenn. Filed June 20, 1924.

SALLY FOSTER

"Sally Foster."
Particular description of goods.—Beds.
Claims use since Jan. 1, 1922.

Ser. No. 198,911. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

ANNE JAY

"Anne Jay."
Particular description of goods.—Beds.
Claims use since Dec. 1, 1923.

Ser. No. 198,912. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

MARTHA JEFFERSON

"Martha Jefferson."
Particular description of goods.—Beds.
Claims use since Jan. 1, 1924.

Ser. No. 198,914. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

MARY LIVERMORE

"Mary Livermore."
Particular description of goods.—Beds.
Claims use since Sept. 1, 1922.

Ser. No. 198,916. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

DOROTHY MANNERS

"Dorothy Manners."
Particular description of goods.—Beds.
Claims use since Jan. 1, 1921.

Ser. No. 198,917. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

HELENA MORRIS

"Helena Morris."
Particular description of goods.—Beds.
Claims use since Jan. 1, 1924.

Ser. No. 198,919. (CLASS 32. FURNITURE AND UPHOLSTERY.) WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Filed June 20, 1924.

KATE SEVIER

Kate Sevier was the wife of John Sevier, an officer of the American Continental Army.

Particular description of goods.—Beds.
Claims use since June 1, 1922.

Ser. No. 198,935. (CLASS 39. CLOTHING.) COMFY APRON CO., Woodhaven, N. Y. Filed June 21, 1924.

COMFY CO

Particular description of goods.—Aprons.
Claims use since Mar. 12, 1924.

Ser. No. 198,981. (CLASS 2. RECEPTACLES.) BECK MANUFACTURING CO., Sioux City, Iowa. Filed June 23, 1924.

SURE-SQUIRT

Particular description of goods.—Oil Cans.
Claims use since June, 1922.

Ser. No. 198,999. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINTKOTE COMPANY, Boston, Mass. Filed June 23, 1924.

Colordrift

Particular description of goods.—Mineral-Surfaced Asphalt Shingles and Mineral-Surfaced Asphalt Roofing.
Claims use since about Apr. 19, 1924.

Ser. No. 199,108. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHRISTO SYRUP CO. INC., Richmond, Va. Filed June 25, 1924.

GOLFER'S

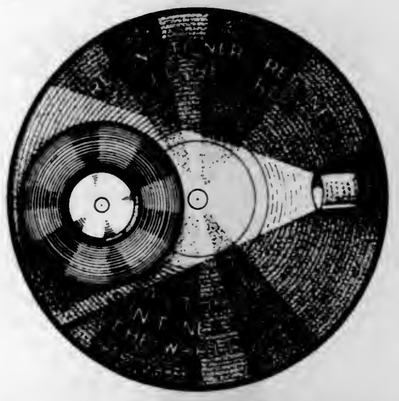
Particular description of goods.—Ginger Ale.
Claims use since June 11, 1924.

Ser. No. 199,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOS. GARNEAU CO., INC., New York, N. Y. Filed June 26, 1924.

SHOLEM ALEICHEM

The words "Sholem Aleichem" means Good luck to you.
Particular description of goods.—Canned Fish.
Claims use since May 26, 1924.

Ser. No. 199,219. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM W. CROCKER, Salina, Kans. Filed June 27, 1924.



No claim is made to the words "Reconditioner Retunes Old Records" apart from the mark shown in the drawing.

Particular description of goods.—Composition of Matter for Application to Surfaces of Phonograph Records to Reduce Objectional Noises.
Claims use since May 15, 1924.

Ser. No. 199,226. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT JACOBSON, doing business as Alson Chemical Company, New York, N. Y. Filed June 27, 1924.

ALSON HEADACHE POWDER

The words "Headache Powder" appearing on the drawing heretofore submitted are disclaimed by the undersigned applicant.

Particular description of goods.—Headache Powders.
Claims use since Jan. 1, 1923.

Ser. No. 199,257. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Foot-Eazer

Trade-mark consists of the words "Foot Eazer."

Particular description of goods.—Foot Corrective Appliances—to Wit, Arch Supports and Parts Thereof, Toe Separators and Straighteners, Heel Supports and Straighteners, Ankle Supports and Straighteners, Bunion Reducers and Protectors, Bunion Springs, Hammertoe Springs, and Corn and Bunion Pads.

Claims use since April, 1906.

Ser. No. 199,258. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.

Korrecto

Trade-mark consists of the word "Korrecto."
Particular description of goods.—Foot Corrective Appliances and Parts Thereof, Toe Separators and Straighteners, Heel Supports and Straighteners, Ankle Supports, Bunion Reducers, Bunion Springs, Hammertoe Springs, and Corn and Bunion Pads.
Claims use since April, 1906.

Ser. No. 199,377. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARSHALL & STEARNS CO., San Francisco, Calif. Filed June 30, 1924.

AD-A-ROOM BED

Exclusive use of the word "Bed" is disclaimed except in connection with the mark as shown.
Particular description of goods.—Beds, Couches, and Davenports.
Claims use since May 1, 1924.

Ser. No. 199,390. (CLASS 32. FURNITURE AND UPHOLSTERY.) QUINCY SHOW CASE WORKS, Quincy, Ill. Filed June 30, 1924.

Utility

Particular description of goods.—Show Cases.
Claims use since May 20, 1924.

Ser. No. 199,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN v/h BENSDORP & Co., Amsterdam, Netherlands. Filed July 1, 1924.



Particular description of goods.—Cocoa.
Claims use since Nov. 16, 1881.

Ser. No. 199,472. (CLASS 39. CLOTHING.) THOMAS E. GREANEY, doing business as Standard Neckwear Company, Boston, Mass. Filed July 2, 1924.

ACE

"Ace."
Particular description of goods.—Neckties, Cravats, and Scarfs.
Claims use since June 11, 1923.

Ser. No. 199,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDBORO PRODUCTS CORPORATION, New York, N. Y. Filed July 2, 1924.

SUPERYEAST

No claim is made to the word "Yeast" apart from the mark as shown in the drawing, applicant reserving, however, all common-law rights pertaining to the same.
Particular description of goods.—Yeast.
Claims use since about May 15, 1924.

Ser. No. 199,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMIL C. HANSEN, doing business as Sanivac Company, Portland, Me. Filed July 3, 1924.

SANIVAC

Particular description of goods.—Disinfectant.
Claims use since Apr. 1, 1923.

Ser. No. 199,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERMAN LAVITZ, doing business as Dr. Young's Food Company, Brooklyn, N. Y. Filed July 3, 1924.



The portrait shown is the infant daughter of the applicant.
Particular description of goods.—Malted Milk Sold in Canned Form.
Claims use since May 17, 1924.

Ser. No. 199,618. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) S. HASKEL & SONS, INC., Brooklyn, N. Y. Filed July 5, 1924.



Particular description of goods.—Monuments and Slabs of all Kinds and Specimens of Stone, Granite, and Marble Used for Monuments and Tombstones.
Claims use since May 1, 1924.

Ser. No. 199,678. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) U. O. COLSON COMPANY, Paris, Ill. Filed July 7, 1924.

COLSOPALM

Particular description of goods.—Toilet Fans.
Claims use since June 13, 1924.

Ser. No. 199,742. (CLASS 12. CONSTRUCTION MATERIALS.) BRAGMANS BLUFF LUMBER COMPANY, INC., New Orleans, La. Filed July 8, 1924.

"BRAGMANNO"

Particular description of goods.—Lumber.
Claims use since June 1, 1924.

Ser. No. 199,752. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) IMPERIAL TYPE METAL CO., Philadelphia, Pa. Filed July 8, 1924.

PLUS METAL

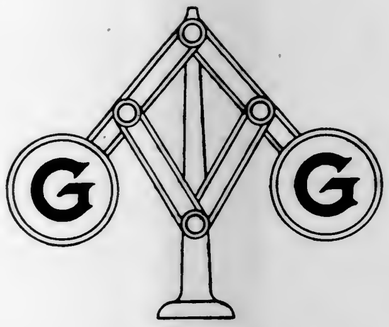
No claim is made to the exclusive use of the word "Metal" apart from the mark shown. Such disclaimer is not to be construed as waiving any of applicant's common-law rights in connection therewith.
Particular description of goods.—Type Metal.
Claims use since Feb. 1, 1924.

Ser. No. 199,770. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANNIN & Co., New York, N. Y. Filed July 9, 1924.

ACME

Trade-mark consists of the word "Acme."
Particular description of goods.—Silk Piece Goods.
Claims use since Oct. 5, 1896.

Ser. No. 199,779. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GARDNER GOVERNOR COMPANY, Quincy, Ill. Filed July 9, 1924.



Particular description of goods.—Governors, Pumps, and Compressors and Parts of Said Mechanisms.
Claims use since 1903.

Ser. No. 199,781. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GARDNER GOVERNOR COMPANY, Quincy, Ill. Filed July 9, 1924.



The lining expresses shading.
Particular description of goods.—Speed and Pressure Regulators, Compressors, Pumps Other Than Steam Pumps, and Parts of Said Mechanisms.
Claims use since 1903.

Ser. No. 199,792. (CLASS 5. ADHESIVES.) KNEFLER BATES MFG. CO., Indianapolis, Ind. Filed July 9, 1924.

KB

Particular description of goods.—Corn Flour Used as a Dry Paste and Core-Binder Material.
Claims use since November, 1922.

Ser. No. 199,808. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France. Filed July 9, 1924.



Particular description of goods.—Automobiles and Parts Thereof.
Claims use since Jan. 12, 1911.

Ser. No. 199,809. (CLASS 12. CONSTRUCTION MATERIALS.) STEDMAN PRODUCTS CO., South Braintree, Mass. Filed July 9, 1924.



Trade-mark consists of the facsimile signature of J. H. Stedman, president of the applicant corporation.
Particular description of goods.—Mechanical Rubber Goods—Namely, Flooring Tiles, Borders and Runners, Wainscoting, Sanitary Bases, Stair Treads, Wall Coverings, Individual Floor Mats, Table and Desk Tops, Drain Mats, Shower-Bath Mats, and Interior Decorative Units Formed of Inlaid Figures, Pictures, or Designs.
Claims use since July 1, 1923.

Ser. No. 199,810. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STEDMAN PRODUCTS CO., South Braintree, Mass. Filed July 9, 1924.

NATURIZED

Trade-mark "Naturized."
Particular description of goods.—Mechanical Rubber Goods—Namely, Flooring Tiles, Borders and Runners, Wainscoting, Sanitary Bases, Stair Treads, Wall Coverings, Individual Floor Mats, Table and Desk Tops, Drain Mats, Shower-Bath Mats, and Interior Decorative Units Formed of Inlaid Figures, Pictures, or Designs.
Claims use since May 5, 1921.

Ser. No. 199,814. (CLASS 2. RECEPTACLES.) THE WHIKAN CORPORATION, Philadelphia, Pa. Filed July 9, 1924.

KAN-D-LITE
THE CANDY BOX AND LAMP SHADE COMBINED

No claim is made to the use of the words "The Candy Box and Lamp Shade Combined" apart from the mark shown in the drawing.
Particular description of goods.—Receptacles for Confections.
Claims use since June 30, 1924.

Ser. No. 199,867. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VICTOR X-RAY CORPORATION, Chicago, Ill. Filed July 10, 1924.

Raygraphs

Particular description of goods.—Highly-Sensitized Photographic Paper to be Used in Making Direct X-Ray Exposures.
Claims use since June 9, 1924.

Ser. No. 199,877. (CLASS 38. PRINTS AND PUBLICATIONS.) BOY SCOUTS OF AMERICA, New York, N. Y. Filed July 11, 1924.

The Lone Scout

The lining of the drawing is used merely for the purpose of shading and not to indicate color.
Particular description of goods.—Section of a Magazine.
Claims use since June, 1924.

Ser. No. 199,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LE ROY D. GARRETT, doing business as The Sumora Candy Co., Philadelphia, Pa. Filed July 11, 1924.

Maypoles

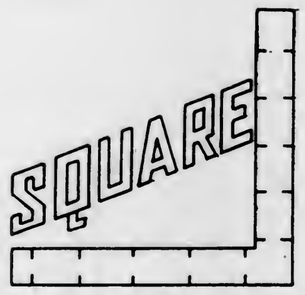
Particular description of goods.—Candy.
Claims use since May 1, 1924.

Ser. No. 199,949. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MCCORD RADIATOR & MFG. CO., Detroit, Mich. Filed July 12, 1924.



Without waiving any common-law rights applicant for the purpose of this registration disclaims the surname "McCord" and the words "Cork Gaskets" except as a part of the trade-mark as shown in the drawing.
Particular description of goods.—Cork Gaskets.
Claims use since Jan. 23, 1924.

Ser. No. 199,953. (CLASS 33. GLASSWARE.) SCHRAM GLASS MANUFACTURING CO., St. Louis, Mo., and Hillsboro, Ill. Filed July 12, 1924.



Particular description of goods.—Glass Fruit Jars.
Claims use since about Apr. 1, 1924.

Ser. No. 199,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. EESLEY MILLING CO., Plainwell, Mich. Filed July 14, 1924.



Particular description of goods.—Wheat Flour.
Claims use since January, 1921.

Ser. No. 200,009. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM B. PARIS, doing business as Shopping Guide Publishing Company, Los Angeles, Calif. Filed July 14, 1924.

LOS ANGELES
Shopping Guide

Particular description of goods.—Periodical Publication.
Claims use since Apr. 17, 1924.

Ser. No. 200,022. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TWIN DRY CELL BATTERY COMPANY, Cleveland, Ohio. Filed July 14, 1924.

KLEARTONE

Particular description of goods.—Electric Batteries.
Claims use since about August, 1922.

Ser. No. 200,035. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAMPBELL, METZGER & JACOBSON, New York, N. Y. Filed July 15, 1924.

Madreda

Particular description of goods.—Doilies, Centerpieces, Tablecloths, Napkins, Table Covers, Runners, Scarfs for Use on Furniture, Handkerchiefs, Pillow Slips, Pillowcases, Sheets, Buffet Sets, Bureau Sets, Dresser Sets, Luncheon Sets, Tea Sets, Bridge Sets, Towels, and Bedspreads Made of Textiles.
Claims use since June 16, 1924.

Ser. No. 200,052. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAMER K. MALOUF, doing business as T. K. Malouf & Co., New York, N. Y. Filed July 15, 1924.

SHEIK



Particular description of goods.—Salted and Roasted Pistachio Nuts.
Claims use since June 1, 1923.

Ser. No. 200,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAMER K. MALOUF, doing business as T. K. Malouf & Co., New York, N. Y. Filed July 15, 1924.

SWEETHEART



Particular description of goods.—Salted and Roasted Pistachio Nuts.
Claims use since June 1, 1922.

Ser. No. 200,059. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

KAL-A-BASH KLOTH

Exclusive use of the word "Kloth" is disclaimed apart from the mark shown. The lining of trade-mark is for the purpose of shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,061. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

BEN-GORA

Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

NORTHERN LIGHTS

The lining on trade-mark as shown in the drawing is for the purpose of shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,063. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

DOOVILLE

The lining as shown on the trade-mark is for the purpose of shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,064. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

BOB-BOYS

The lining of trade-mark as shown in drawing is for the purpose of shading only.
Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,065. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRONG, HEWAT & CO. INC., New York, N. Y. Filed July 15, 1924.

MUCH-A-DO PLADS

The lining as shown on the trade-mark is for the purpose of shading only, exclusive use of the word "Plads" being disclaimed apart from the mark shown.
Particular description of goods.—Woolen Piece Goods.
Claims use since June 26, 1924.

Ser. No. 200,085. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANNIN & CO., New York, N. Y. Filed July 16, 1924.

REGAL

Trade-mark consists of the word "Regal."
Particular description of goods.—Silk Piece goods.
Claims use since November, 1896.

Ser. No. 200,108. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ISADOR LONDON, doing business as Halcyon Insulator Company, New York, N. Y. Filed July 16, 1924.

HALCYON

Particular description of goods.—Capacity Bridges, Midget Condensers, and By-Pass Condensers.
Claims use since September, 1923.

Ser. No. 200,124. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ RODIER, Paris, France. Filed July 16, 1924.

TISSECLA

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same.
Claims use since May 1, 1924.

Ser. No. 200,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. WEBER & COMPANY, Chicago, Ill. Filed July 16, 1924.

NEW CITY

Particular description of goods.—Canned Fruits, Canned Vegetables and Canned Fish—Namely, Olives, Spinach, Hominy, Cherries, Pineapple, Apricots, Peaches, Pears, Kidney Beans, Green Beans, Wax Beans, Peas, Corn, Tomato Purée, Tomatoes, Pork and Beans, Salmon, Dill Pickles; and Food-Flavoring Extract—Namely, Vanilla.
Claims use since on or about Apr. 1, 1903.

Ser. No. 200,151. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NO-LEAK-O PISTON RING COMPANY, Muskegon, Mich. Filed July 17, 1924.

SEALDRAIN

Particular description of goods.—Piston Rings.
Claims use since June 1, 1924.

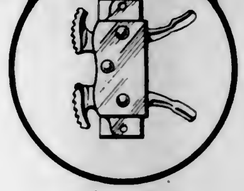
Ser. No. 200,176. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREWS RADIO COMPANY, Chicago, Ill. Filed July 18, 1924.

ARC

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Mar. 1, 1924.

Ser. No. 200,203. (CLASS 25. LOCKS AND SAFES.) FRANK KRIEHN, doing business as Hart Sash Holder Co., Lexington, Mo. Filed July 18, 1924.

HART SASH LOCK



No rights are asserted to the exclusive use of the words "Sash Lock" or the representation of the sash lock apart from the trade-mark as shown in the drawing.
Particular description of goods.—Sash Holders or Fasteners.
Claims use since May 17, 1924.

Ser. No. 200,226. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCIENTIFIC PRODUCTS, INC., Chicago, Ill. Filed July 18, 1924.

TRIM

Particular description of goods.—Cleansing Compound Having Water-Softening Properties.
Claims use since June 27, 1924.

Ser. No. 200,237. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) AUTOMATIC GOLD CHAIN CO., Providence, R. I. Filed July 19, 1924.

AUTOMATIC

Particular description of goods.—Buckles, Key Rings, Chain Fasteners, Snap Fasteners, Spring Rings, Tie Clasps, Lapel Buttons, Brooches, and Chain Bars, All of Which Are Made of or Plated with Precious Metals; Chains for Personal Adornment, Bracelets, Cuff Buttons, Cuff Links, Charms, Fobs, Pendants, and Finger Rings.
Claims use since July 14, 1924.

Ser. No. 200,252. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GLOBE LIGHTING FIXTURE MFG. COMPANY, New York, N. Y. Filed July 19, 1924.

GLOBE LIGHTING
FIXTURE MFG. COMPANY

Particular description of goods.—Electric-Lighting Fixtures and Parts Thereof.
Claims use since about February, 1922.

Ser. No. 200,292. (CLASS 32. FURNITURE AND UPHOLSTERY.) STANDARD PYROXOLOID CORPORATION, Leominster, Mass. Filed July 19, 1924.

PYROXOLOID

Particular description of goods.—Glass Mirrors with Celluloid Backs and Picture Frames.
Claims use since Apr. 10, 1920.

Ser. No. 200,353. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn. Filed July 22, 1924.

ALKALON

Particular description of goods.—Wireless Signal-Receiving Apparatus and Parts Thereof, Including Vacuum Tubes.
Claims use since about July 1, 1924.

Ser. No. 200,376. (CLASS 43. THREAD AND YARN.) D. E. ADAMS' COMPANY, INC., New York, N. Y. Filed July 23, 1924.

ADAMS
BEST
PURE SILK & RAYON
QUALITY
THREADS

Applicant disclaims the descriptive matter reading Pure Silk and Rayon Best Quality Threads" apart from the mark as shown.
Particular description of goods.—Pure-Silk Threads or Yarns, Artificial-Silk Threads or Yarns, and Threads or Yarns Made from a Combination of Pure and Artificial Silk.
Claims use since Jan. 1, 1924.

Ser. No. 200,398. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANDERS LINDAHL, Stockholm, Sweden. Filed July 23, 1924.

Mummac

Particular description of goods.—Lemonade, Nonalcoholic, Maltless Soft Drinks, and Essences and Extracts for Preparing Such Drinks.
Claims use since Apr. 20, 1923.

Ser. No. 200,405. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMIL MORRIS, Detroit, Mich. Filed July 23, 1924.

CERTIFYD

Particular description of goods.—Razor Strops.
Claims use since May 20, 1924.

Ser. No. 200,416. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALEXANDER BARON, Brooklyn, N. Y. Filed July 24, 1924.

AMERICAN BEAUTY

Particular description of goods. Toy Watch Bracelets and Toy Wrist Purses.
Claims use since June 15, 1916.

Ser. No. 200,429. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM N. BRUNS, doing business as The Speedometer Man, Chicago, Ill. Filed July 24, 1924.

THE SPEEDOMETER MAN

Particular description of goods.—Speedometer-Shaft Hangers.
Claims use since June 28, 1924.

Ser. No. 200,442. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GRADY MFG. CO., Long Island City, N. Y. Filed July 24, 1924.

BLACK VELVET

Particular description of goods.—Metal Polishes.
Claims use since Nov. 8, 1908.

Ser. No. 200,445. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MICHAEL B. HOLSTEIN, Richland, Pa. Filed July 24, 1924.

BAL
NOO

Particular description of goods.—Air Pumps.
Claims use since June 28, 1924.

Ser. No. 200,471. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed July 25, 1924.

BEECH-NUT BRAND
BEECH-NUT

No claim is made to the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Toilet Soap and Shaving Cream.
Claims use since about June 24, 1924, on toilet soap; since about Mar. 14, 1924, on shaving cream.

Ser. No. 200,502. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEO. B. LEITER, Norristown, Pa. Filed July 25, 1924. Under ten-year proviso.

RING-A-PEG.
THE NEW GAME

Particular description of goods.—Parlor Board Game Played with Pieces.
Claims use since May 13, 1891.

Ser. No. 200,510. (CLASS 32. FURNITURE AND UPHOLSTERY.) NATIONAL DEPARTMENT STORES, New York, N. Y. Filed July 25, 1924.

NADSCO

Particular description of goods.—Beds and Mattresses.
Claims use since Apr. 10, 1924.

Ser. No. 200,530. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. F. SIMONIN'S SONS, INC., Philadelphia, Pa. Filed July 25, 1924.

YOLANDA

Trade-mark "Yolanda."
Particular description of goods.—Corn Oil.
Claims use since July 16, 1924.

Ser. No. 200,532. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STEEL PRODUCTS CORPORATION, Sheboygan, Wis. Filed July 25, 1924.

FLEXTRUS

Particular description of goods.—Bumper Bars.
Claims use since July 1, 1923.

Ser. No. 200,559. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HORROCKS-IBBOTSON CO., Utica, N. Y. Filed July 26, 1924.

ALKALI-PROOF

No claim is made to the words "Alkali-Proof" apart from the mark shown in the drawing.
Particular description of goods.—Fishing Line.
Claims use since Mar. 1, 1923.

Ser. No. 200,585. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOUTH BEND BAIT CO., South Bend, Ind. Filed July 26, 1924.

WIZ-ORENO

Particular description of goods.—Fishing Baits and Lures.
Claims use since July 1, 1924.

Ser. No. 200,592. (CLASS 7. CORDAGE.) H. F. WALLISER COMPANY, Chicago, Ill. Filed July 26, 1924.



Particular description of goods.—Cords Made of Fibrous Material.
Claims use since on or about Mar. 1, 1915.

Ser. No. 200,713. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAN-GO MANUFACTURING CO., Boston, Mass. Filed July 30, 1924.



Particular description of goods.—Cleaning Liquid for Woodwork, Nickel, and Glassware.
Claims use since about Apr. 4, 1924.

Ser. No. 200,720. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KIRN-REINICKE COMPANY, INC., New York, N. Y. Filed July 30, 1924.

SKINNYKIN

Particular description of goods.—Figure Toys.
Claims use since July 17, 1924.

Ser. No. 200,727. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PREMIER SYNDICATE, INC., New York, N. Y. Filed July 30, 1924.

DUMB DORA

Particular description of goods.—Cartoon.
Claims use since June 24, 1924.

Ser. No. 200,737. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. F. WOODS & CO., Shippensburg, Pa. Filed July 30, 1924.

WOODS TARGO

Particular description of goods.—Preparation for Removing Tar, Polishing Fenders, Splashboards, Lamps, and All Hard Finishes.
Claims use since Mar. 28, 1924.

Ser. No. 200,744. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed July 31, 1924.

LAURELDALE

Trade-mark consists of the word "Laureldale."
Particular description of goods.—Fishing Line.
Claims use since Jan. 23, 1924.

Ser. No. 200,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill. Filed July 29, 1924.

KB

Particular description of goods.—Canned Peas and Corn.
Claims use since on or about Jan. 1, 1913.

Ser. No. 200,807. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ARTHUR CLAYTON, Berkeley, Calif. Filed Aug. 1, 1924.

RELAXKU

Particular description of goods.—Billiard Cues.
Claims use since July 14, 1924.

Ser. No. 200,809. (CLASS 38. PRINTS AND PUBLICATIONS.) THE COLLEGIATE WORLD PUBLISHING COMPANY, Chicago, Ill. Filed Aug. 1, 1924.

CO-ED

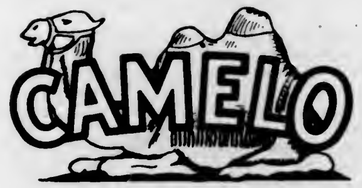
Particular description of goods.—Monthly Magazine.
Claims use since July 31, 1924.

Ser. No. 200,810. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Aug. 1, 1924.

36

Particular description of goods.—Photographic Sensitized Materials, Particularly Plates.
Claims use since July 2, 1924.

Ser. No. 200,837. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WATERPROOFING, INCORPORATED, Indianapolis, Ind. Filed Aug. 1, 1924.



Particular description of goods.—Cleaners, Dressings, Preservatives, and Waterproofing for Fabrics, Leathers, and Other Materials.
Claims use since July 5, 1924.

Ser. No. 200,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GALLAGHER FRUIT COMPANY, Alviso, Calif. Filed Aug. 2, 1924.

Embarcadero

Particular description of goods.—Fresh Pears.
Claims use since August, 1914.

Ser. No. 200,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed Aug. 2, 1924.



Particular description of goods.—Wheat Flour.
Claims use since May 28, 1924.

Ser. No. 200,900. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLARENCE W. RUMSEY, doing business as Rumsey Products Company, Wheaton, Ill. Filed Aug. 2, 1924.

FIBROL

Particular description of goods.—Preparation for Cleaning Dirt and Grease From the Hands.
Claims use since Mar. 1, 1923.

Ser. No. 200,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STARR FRUIT PRODUCTS CO., Portland, Oreg. Filed Aug. 2, 1924.

STAR-E-GON

Particular description of goods.—Canned Fruits, Canned Berries, Canned Vegetables, Fruit Preserves, Jams, and Jellies.
Claims use since 1920.

Ser. No. 200,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARDO ANGEL, New York, N. Y. Filed Aug. 4, 1924.

ANGEL'S
DELLIN-BORDER

Particular description of goods.—Coffee.
Claims use since March, 1924.

Ser. No. 200,969. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES VINCENT SPADEA, doing business as The Du Pont Publishing Company, Chicago, Ill. Filed Aug. 4, 1924.

The CO-ED

Particular description of goods.—Literary Publication Published Monthly.
Claims use since Aug. 1, 1924.

Ser. No. 200,977. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed Aug. 5, 1924.

Autumn Leaf

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1924.

Ser. No. 201,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAVENSTEIN APPLE GROWERS COOPERATIVE ASSN. OF SONOMA COUNTY, Sebastopol, Calif. Filed Aug. 5, 1924.

Everyday

Particular description of goods.—Fresh Apples.
Claims use since July 10, 1924.

Ser. No. 200,990. (CLASS 43. THREAD AND YARN.) KARPELES COMPANY, Providence, R. I. Filed Aug. 5, 1924.

LaTausca

Particular description of goods.—Thread of All Kinds.
Claims use since June 1, 1924.

Ser. No. 201,004. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MANNING ABRASIVE COMPANY INCORPORATED, Troy, N. Y. Filed Aug. 5, 1924.

HEEL SPAR

Particular description of goods.—Abrasive Paper and Cloth and Combination of Abrasive Paper and Cloth.
Claims use since June, 1922.

Ser. No. 201,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OAKLEY CHEMICAL COMPANY, New York, N. Y. Filed Aug. 7, 1924.

SCIENCE

Particular description of goods.—Chemical Compound Recommended for Cleaning, Polishing, Lubricating, Cutting, Grinding, Stamping, Drawing, Stripping, Antirusting, and Neutralizing.
Claims use since Feb. 2, 1909.

Ser. No. 201,070. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OAKLEY CHEMICAL COMPANY, New York, N. Y. Filed Aug. 7, 1924.

OAKITE

Particular description of goods.—Chemical Compound Recommended for Cleaning, Polishing, Lubricating, Cutting, Grinding, Stamping, Drawing, Stripping, Antirusting, and Neutralizing.
Claims use since Feb. 2, 1909.

Ser. No. 201,113. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SUN RUBBER COMPANY, Barberton, Ohio. Filed Aug. 7, 1924.

SUNRUCO

Particular description of goods.—Water Bottles, Fountain Syringes, Ice Caps, Rubber Bulbs for Use on Syringes and Douches.
Claims use since June 1, 1924.

Ser. No. 201,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TRINIDAD CREAMERY CO., Trinidad, Colo. Filed Aug. 7, 1924.



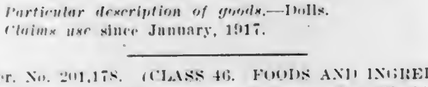
Particular description of goods.—Creamery Butter.
Claims use since Jan. 1, 1923.

Ser. No. 201,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Aug. 8, 1924.

STONE MOUNTAIN

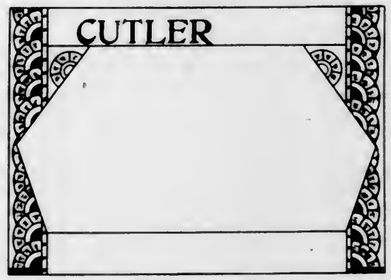
Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Mar. 7, 1924.

Ser. No. 201,169. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ESTELLE V. ALLISON, New York, N. Y. Filed Aug. 9, 1924.



Particular description of goods.—Dolls.
Claims use since January, 1917.

Ser. No. 201,178. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES F. CHASE, East Machias, Me. Filed Aug. 9, 1924.



Particular description of goods.—Canned Clams.
Claims use since March, 1922.

Ser. No. 201,180. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORDNER PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 9, 1924.

Beefwich

Particular description of goods.—Sandwiches.
Claims use since Sept. 29, 1922.

Ser. No. 201,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORDNER PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 9, 1924.

Tonguewich

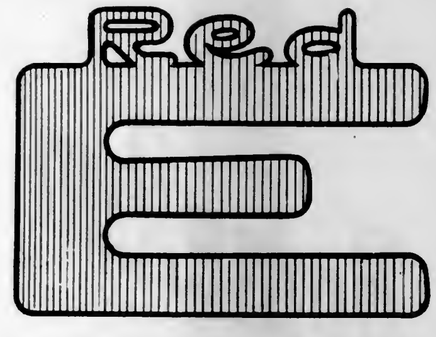
Particular description of goods.—Sandwiches.
Claims use since Sept. 22, 1922.

Ser. No. 201,183. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELTON GRASS RUG COMPANY, Oshkosh, Wis. Filed Aug. 9, 1924.

DELART

Particular description of goods.—Fiber Rugs.
Claims use since July 23, 1924.

Ser. No. 201,201. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) M. B. M. MANUFACTURING CO., Milwaukee, Wis. Filed Aug. 9, 1924.



The lining in the drawing indicates the color red.
Particular description of goods.—Power Cultivators and Power Lawn Mowers.
Claims use since Sept. 9, 1923.

Ser. No. 201,210. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. ROSENTHAL CO, INC., New York, N. Y. Filed Aug. 9, 1924.

POPPY SILK

The word "Silk" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Broad Silk.
Claims use since Aug. 2, 1924.

Ser. No. 201,247. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUBERT E. LELAND, New York, N. Y. Filed Aug. 11, 1924.

HELL'N--MARIA

Particular description of goods.—Dolls.
Claims use since Aug. 5, 1924.

Ser. No. 201,258. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y. Filed Aug. 11, 1924.

IRIS

Particular description of goods.—Playing Cards.
Claims use since 1921.

Ser. No. 201,259. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y. Filed Aug. 11, 1924.

PYRAMID

Particular description of goods.—Playing Cards.
Claims use since 1918.

Ser. No. 201,260. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PYRAMID PLAYING CARD CO., INC., Brooklyn, N. Y. Filed Aug. 11, 1924.

HomeRun

Particular description of goods.—Playing Cards.
Claims use since October, 1923.

Ser. No. 201,265. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE A. SAUER, Louisville, Ky. Filed Aug. 11, 1924.

ULT

Particular description of goods.—Soaps.
Claims use since July 16, 1924.

Ser. No. 201,303. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Aug. 12, 1924.

BRILLETE

Particular description of goods.—Silk Piece Goods, Cotton Piece Goods, and Silk and Cotton Piece Goods.
Claims use since February, 1924.

Ser. No. 201,306. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Aug. 12, 1924.

SILKPLUS

Particular description of goods.—Silk Piece Goods and Silk and Cotton Piece Goods.
Claims use since Feb. 19, 1924.

Ser. No. 201,348. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KALTENBACH & STEPHENS, INC., New York, N. Y. Filed Aug. 13, 1924.



Trade-mark is lined to indicate the word "Radiance" in red and thereabove the merging colors purple, red, yellow, green, and blue, and beneath the word "Radiance" a field of yellow with the representation of two green leaves thereon.

Particular description of goods.—Silk Ribbon Fabrics.
Claims use since May 8, 1924.

Ser. No. 201,369. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALFRED NEUBURG, New York, N. Y. Filed Aug. 13, 1924.

BAMBINO

Particular description of goods.—Soaps.
Claims use since July 24, 1924.

Ser. No. 201,371. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARKE CORPORATION, Kalamazoo, Mich. Filed Aug. 13, 1924.



Particular description of goods.—Toilet Soap.
Claims use since about July 1, 1924.

Ser. No. 201,381. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. D. STRAUS & CO., New York, N. Y. Filed Aug. 13, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since April, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 23, 1924.

189,503. SWEATERS. THE PONTIAC KNITTING MILLS COMPANY, Cleveland, Ohio.
Filed January 18, 1924. Serial No. 190,977. PUBLISHED JULY 8, 1924.

189,504. TOILET-SEAT COVERS OF PAPER. HILDING C. ANDERSON, Seattle, Wash.
Filed January 21, 1924. Serial No. 191,050. PUBLISHED JUNE 10, 1924.

189,505. TOILET PAPER. OSWEGO RIVER PAPER MILLS, Phoenix, N. Y.
Filed January 22, 1924. Serial No. 191,136. PUBLISHED JUNE 10, 1924.

189,506. LEAD PENCILS, PENCIL BOXES, ERASERS, PENHOLDERS, AND PEN POINTS. GENERAL PENCIL COMPANY, Jersey City, N. J.
Filed January 31, 1924. Serial No. 191,539. PUBLISHED JUNE 10, 1924.

189,507. REMEDY FOR STOMACH, NERVES, AND INTESTINAL DISORDERS. SAMUEL NORMAN, Astoria, N. Y.
Filed February 15, 1924. Serial No. 192,335. PUBLISHED JULY 8, 1924.

189,508. PERFUMES. LIONEL TRADING CO. INC., New York, N. Y.
Filed February 21, 1924. Serial No. 192,629. PUBLISHED JULY 8, 1924.

189,509. CANNED PEAS, CANNED CORN, CANNED TOMATOES, JELLIES, AND FRUIT PRESERVES. THE GINTER COMPANY, Boston, Mass.
Filed February 27, 1924. Serial No. 192,907. PUBLISHED JULY 8, 1924.

189,510. SMOKING TOBACCO. IMPERIAL TOBACCO CO. INC., Buffalo, N. Y.
Filed March 6, 1924. Serial No. 193,337. PUBLISHED JULY 8, 1924.

189,511. WINDOW ENVELOPES. MAGILL-WEINSHEIMER COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,528. PUBLISHED JULY 1, 1924.

189,512. WINDOW ENVELOPES. MAGILL-WEINSHEIMER COMPANY, Chicago, Ill.
Filed March 10, 1924. Serial No. 193,529. PUBLISHED JULY 1, 1924.

189,513. OLIVES. CARTAGENA & MAYRO, New York, N. Y.
Filed March 11, 1924. Serial No. 193,572. PUBLISHED JULY 8, 1924.

189,514. WEARING APPAREL — NAMELY, OUTER SHIRTS, DRESS SHIRTS, COLLARS, AND PYJAMAS. THE MANHATTAN SHIRT CO., New York, N. Y.
Filed March 15, 1924. Serial No. 193,843. PUBLISHED JULY 8, 1924.

189,515. SOFT DRINKS. BENJAMIN B. ALLEN, San Francisco, Calif.
Filed March 19, 1924. Serial No. 194,040. PUBLISHED JULY 8, 1924.

189,516. EDIBLE VEGETABLE OILS. JULIUS A. DOERING, New York, N. Y.
Filed March 20, 1924. Serial No. 194,097. PUBLISHED JULY 1, 1924.

189,517. SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS OF SUCH MATERIALS FOR MEN, WOMEN, AND CHILDREN. LONDON SHOE COMPANY, INC., New York, N. Y., and Chicago, Ill.
Filed March 22, 1924. Serial No. 194,279. PUBLISHED JULY 8, 1924.

189,518. DOLLS. SCHOEN & YONDORF CO. INC., New York, N. Y.
Filed March 20, 1924. Serial No. 194,132. PUBLISHED MAY 27, 1924.

189,519. LEATHER AND LEATHER AND RUBBER COMBINATION SHOES. BULLOCK'S, Los Angeles, Calif.
Filed March 24, 1924. Serial No. 194,333. PUBLISHED JULY 8, 1924.

189,520. CERTAIN NAMED PAPER AND STATIONERY. THE JONES BOOK STORE INC., Los Angeles, Calif.
Filed March 24, 1924. Serial No. 194,356. PUBLISHED JUNE 17, 1924.

189,521. CERTAIN NAMED CLOTHING. NEW YORK CLOAK & SUIT HOUSE OF LOS ANGELES, Los Angeles, Calif.
Filed March 24, 1924. Serial No. 194,368. PUBLISHED JULY 8, 1924.

189,522. CERTAIN ARTICLES OF CLOTHING. NEW YORK CLOAK & SUIT HOUSE OF LOS ANGELES, Los Angeles, Calif.
Filed March 24, 1924. Serial No. 194,369. PUBLISHED JULY 8, 1924.

189,523. ANESTHETIC. FRANCO AMERICAN CHEMICAL WORKS, Carlstadt, N. J.
Filed April 23, 1924. Serial No. 196,015. PUBLISHED JULY 8, 1924.

189,524. OINTMENT. S. H. NICHOLSON, Decatur, Ill.
Filed April 23, 1924. Serial No. 196,028. PUBLISHED JULY 8, 1924.

189,525. LAXATIVE. S. H. NICHOLSON, Decatur, Ill.
Filed April 23, 1924. Serial No. 196,029. PUBLISHED JULY 8, 1924.

189,526. PHARMACEUTICAL PREPARATION TO BE APPLIED OVER MINOR WOUNDS AND SKIN ABRASIONS AND WHICH, UPON DRYING FORMS A WATERPROOF FILM, PROTECTING THE WOUND AGAINST INFECTION. BENJAMIN TYLER, doing business as Interstate Laboratory, Cleveland, Ohio.
Filed April 23, 1924. Serial No. 196,036. PUBLISHED JULY 8, 1924.

189,527. MEDICINAL TREATMENT FOR COUGHS AND COLDS. YAFFA BROS., Brooklyn, N. Y.
Filed April 23, 1924. Serial No. 196,042. PUBLISHED JULY 8, 1924.

189,528. BROOMS, MOPS, AND HAT, CLOTHES, HAIR, SHAMPOO, MASSAGE, BATH, MANICURE, CLOAK, SINK, STOVE, PIPE, PERCOLATOR, MILK-BOTTLE, AND SHOE BRUSHES. BROOKLYN PERFEX CORP., Brooklyn, N. Y.
Filed April 24, 1924. Serial No. 196,048. PUBLISHED JULY 8, 1924.

189,529. SHIRTINGS IN THE PIECE FROM COTTON, SILK, ARTIFICIAL SILK, OR MIXTURES THEREOF. TURNER & WALLS, New York, N. Y.
Filed April 24, 1924. Serial No. 196,084. PUBLISHED JULY 8, 1924.

189,530. CERTAIN NAMED FOODS. PACIFIC WHOLESALE GROCERY CO., Los Angeles, Calif.
Filed April 25, 1924. Serial No. 196,133. PUBLISHED JULY 8, 1924.

189,531. LOOSE-LEAF DEVICES (BINDERS, COVERS, AND HOLDERS), LOOSE-LEAF ACCOUNTING OUTFITS AND SYSTEMS (ASSEMBLED), LOOSE-LEAF LEDGER OUTFITS AND SYSTEMS (ASSEMBLED), AND LOOSE-LEAF FORMS (PRINTED ONLY, RULED ONLY, AND RULED AND PRINTED COMBINED.) HORDER'S, INC., Chicago, Ill.
Filed April 26, 1924. Serial No. 196,172. PUBLISHED JUNE 24, 1924.

189,532. NONALCOHOLIC, MALTLESS CORDIALS USED FOR BEVERAGE PURPOSES. EMIL T. HENIUS, doing business as Moyans, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,246. PUBLISHED JULY 8, 1924.

189,533. LADIES' BATHING SUITS. MAX SMITH, doing business as Max Smith Company, Philadelphia, Pa.
Filed April 29, 1924. Serial No. 196,319. PUBLISHED JULY 8, 1924.

189,534. SNUFF AND SMOKING TOBACCO. THE ROBERT SINCLAIR TOBACCO COMPANY, LIMITED, Newcastle-on-Tyne, England.
Filed April 30, 1924. Serial No. 196,353. PUBLISHED JULY 8, 1924.

189,535. KNITTED GARMENTS, AND MORE PARTICULARLY ON SWEATERS, BATHING SUITS, WORSTED COATS, CHILDREN'S LEGGINGS, MUFFLERS, NECKWEAR, BLOUSES, DRESSES, HATS, SCARFS, AND SUITS. BERMAN BROS. & LINDEMAN CO., INC., Brooklyn, N. Y.
Filed May 1, 1924. Serial No. 196,364. PUBLISHED JULY 8, 1924.

189,536. CIGARETTES. ROSEDOR CIGARETTE CO., New York, N. Y.
Filed May 1, 1924. Serial No. 196,404. PUBLISHED JULY 8, 1924.

189,537. LAXATIVE TABLETS. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,451. PUBLISHED JULY 8, 1924.

189,538. HAIR TONIC AND FIXATIVE. CHARLES UDELL, and sometimes known as U-Del-Lay Laboratories, St. Louis, Mo.
Filed May 2, 1924. Serial No. 196,491. PUBLISHED JULY 8, 1924.

189,539. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed May 3, 1924. Serial No. 196,499. PUBLISHED JULY 8, 1924.

189,540. INTERNAL MEDICINE FOR THE TREATMENT OF TUBERCULOSIS, PNEUMONIA, AND ASTHMA. LAW'S LUNG-EASE MFG. CO., Dallas, Tex.
Filed May 3, 1924. Serial No. 196,531. PUBLISHED JULY 8, 1924.

189,541. COUGH DROPS. ROWNTREE AND COMPANY, LIMITED, doing business as Rowntree's and Rowntree & Co. Ltd., York, England, and Poughkeepsie, N. Y.
Filed May 3, 1924. Serial No. 196,546. PUBLISHED JUNE 17, 1924.

189,542. CHEMICAL SOLVENT FOR CLEANING THE STEMS AND BOWLS OF TOBACCO PIPES AND CIGARETTE HOLDERS. W. F. STRAUB LABORATORIES, INC., Chicago, Ill.
Filed May 3, 1924. Serial No. 196,552. PUBLISHED JULY 8, 1924.

189,543. CANNED CAVIAR. THE RUSSIAN FOOD PRODUCTS COMPANY, INC., New York, N. Y.
Filed May 14, 1924. Serial No. 197,051. PUBLISHED JULY 22, 1924.

189,544. GRAPE JUICE. HENRY JOHNSON, doing business as Burgundy Grape Co., New York, N. Y.
Filed June 12, 1924. Serial No. 198,459. PUBLISHED JULY 22, 1924.

189,545. MALTLESS, NONCEREAL, NONALCOHOLIC BEVERAGE SOLD AS A SOFT DRINK, AND THE CONCENTRATE FOR MAKING THE SAME. ANTHONY R. FIORITA, Moberly, Mo.
Filed June 9, 1924. Serial No. 198,301. PUBLISHED JULY 22, 1924.

189,546. GRAPE JUICE AND CIDER. THE GINTER COMPANY, Boston, Mass.
Filed May 29, 1924. Serial No. 197,806. PUBLISHED JULY 22, 1924.

189,547. ICE SKATES. NESTOR JOHNSON MFG. CO., Chicago, Ill.
Filed May 28, 1924. Serial No. 197,767. PUBLISHED JULY 22, 1924.

189,548. NONALCOHOLIC, MALTLESS BEVERAGES AND SIRUPS FOR MAKING THE SAME. MARVIN A. SIMONS, doing business as Simons Punch and Crush Company, Eureka, Calif.
Filed May 22, 1924. Serial No. 197,456. PUBLISHED JULY 22, 1924.

189,549. TOY CONSISTING ESSENTIALLY OF A CARDBOARD BOX WITH CELLULOID TOP PLATE AND PAPER FIGURES IN THE BOX, WHICH FIGURES ARE MADE TO DANCE BY RUBBING THE CELLULOID TOP PLATE. LEO NEUMANN, Berlin, Germany.
Filed May 22, 1924. Serial No. 197,444. PUBLISHED JULY 22, 1924.

189,550. TOY CONSISTING ESSENTIALLY OF A CARDBOARD BOX WITH CELLULOID TOP PLATE AND PAPER FIGURES IN THE BOX, WHICH FIGURES ARE MADE TO DANCE BY RUBBING THE CELLULOID TOP PLATE. LEO NEUMANN, Berlin, Germany.
Filed May 22, 1924. Serial No. 197,443. PUBLISHED JULY 22, 1924.

189,551. TABLE BOARD GAME PLAYED WITH DICE. SIMPLEX METAL PRODUCTS CORPORATION, New York, N. Y.
Filed May 20, 1924. Serial No. 197,342. PUBLISHED JULY 22, 1924.

189,552. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE STIMULADE COMPANY, Savannah, Ga.
Filed May 16, 1924. Serial No. 197,177. PUBLISHED JULY 22, 1924.

189,553. LEADERS FOR FISHING LINES. WILLIAM P. MACMASTERS, Portland, Oreg.
Filed May 13, 1924. Serial No. 196,962. PUBLISHED JULY 22, 1924.

189,554. GRAPE JUICE. H. M. PRINCE, Detroit, Mich.
Filed May 12, 1924. Serial No. 196,928. PUBLISHED JULY 22, 1924.

189,555. BROOMS. SOUTH SIDE BROOM CO., Chicago, Ill.
Filed May 9, 1924. Serial No. 196,831. PUBLISHED JULY 22, 1924.

189,556. GOLF BALLS, GOLF CLUBS, TENNIS RACKETS, AND TENNIS BALLS. B. ALTMAN & CO., New York, N. Y.
Filed April 24, 1924. Serial No. 196,044. PUBLISHED JULY 22, 1924.

189,557. GAME TO BE PLAYED WITH DOMINO-LIKE PIECES. JOHN M. TEES, doing business as J. M. Tees Company, San Francisco, Calif.
Filed April 17, 1924. Serial No. 195,724. PUBLISHED JULY 22, 1924.

189,558. CIGARS AND CIGARETTES. JOSÉ E. A. REYES, Tampa, Fla.
Filed April 3, 1924. Serial No. 194,947. PUBLISHED JULY 22, 1924.

189,559. VARNISH BRUSHES, ENAMEL BRUSHES, PAINTBRUSHES, CALCIMINE BRUSHES, TAR BRUSHES, SHIPS' BRUSHES, HOUSEHOLD BRUSHES, SCRUBBING BRUSHES, TOILET BRUSHES, AND SHAVING BRUSHES. GEBROEDERS JONKER, Zuilen, Netherlands.
Filed April 2, 1924. Serial No. 194,859. PUBLISHED JULY 22, 1924.

189,560. VARNISH BRUSHES, ENAMEL BRUSHES, PAINTBRUSHES, CALCIMINE BRUSHES, TAR BRUSHES, SHIPS' BRUSHES, HOUSEHOLD BRUSHES, SCRUBBING BRUSHES, TOILET BRUSHES, AND SHAVING BRUSHES. GEBROEDERS JONKER, Zuilen, Netherlands.
Filed April 2, 1924. Serial No. 194,858. PUBLISHED JULY 22, 1924.

189,561. MALT SIRUP. ROYAL MALT & HOPS CO., New York, N. Y.
Filed March 27, 1924. Serial No. 194,570. PUBLISHED JULY 22, 1924.

189,562. SMOKING, CHEWING, AND SNUFFING TOBACCO, CIGARS, AND CIGARETTES. CARRERAS LIMITED, London, England.
Filed March 19, 1924. Serial No. 194,049. PUBLISHED JULY 22, 1924.

189,563. NONALCOHOLIC, MALTLESS CARBONATED BEVERAGES SOLD AS SOFT DRINKS. H. B. HUNTER COMPANY, INC., Norfolk, Va.
Filed March 8, 1924. Serial No. 193,461. PUBLISHED JULY 22, 1924.

189,564. POMEGRANATE SIRUP. RALPH BARTLETT MEREDITH, Lindsay, Calif.
Filed January 30, 1924. Serial No. 191,495. PUBLISHED JULY 22, 1924.

189,565. [WITHDRAWN.]

189,566. NONINTOXICATING MALT FOUNTAIN SIRUPS. WILLIAM KOESTER, Davenport, Iowa.
Filed June 18, 1923., Serial No. 182,156. PUBLISHED JULY 22, 1924.

189,567. EDUCATIONAL GAME COMPRISING THE USE OF QUESTIONS AND ANSWERS. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed May 8, 1923. Serial No. 180,343. PUBLISHED JULY 22, 1924.

189,568. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. SOC. AN. FSCO. CINZANO & CIA., Turin, Italy.
Filed May 5, 1923. Serial No. 180,245. PUBLISHED JULY 22, 1924.

189,569. MINERAL WATERS. WHITE SULPHUR SPRINGS, INC., White Sulphur Springs, W. Va.
Filed May 22, 1924. Serial No. 197,462. PUBLISHED JULY 8, 1924.

189,570. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. HORACE TOWNSEND, Roxborough, Philadelphia, Pa.
Filed May 23, 1924. Serial No. 197,506. PUBLISHED JULY 8, 1924.

189,571. MINERAL WATER. A. J. HAUCK WATER COMPANY, Pittsburgh, Pa.
Filed May 15, 1924. Serial No. 197,076. PUBLISHED JULY 8, 1924.

189,572. TONIC LAXATIVE MEDICINE RECOMMENDED FOR USE FOR DISORDERS OF THE STOMACH, LIVER, KIDNEYS, BOWELS, AND BLOOD. FRANK O. MCNAB, doing business as The Southern Remedy Company, Tampa, Fla.
Filed May 17, 1924. Serial No. 197,207. PUBLISHED JULY 8, 1924.

189,573. FLAVORING EXTRACTS FOR BEVERAGE PURPOSES. HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa.
Filed May 17, 1924. Serial No. 197,217. PUBLISHED JULY 8, 1924.

189,574. MACARONI. THE NEW HAVEN BREAD CO., New Haven, Conn.
Filed May 13, 1924. Serial No. 196,965. PUBLISHED JULY 8, 1924.

189,575. CATCHUP, EGGS IN THE SHELL, CANNED MILK, CREAMERY BUTTER, AND APPLE BUTTER. PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa.
Filed May 13, 1924. Serial No. 196,969. PUBLISHED JULY 8, 1924.

189,576. FLAVORING EXTRACTS FOR BEVERAGE PURPOSES. HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa.
Filed May 14, 1924. Serial No. 197,041. PUBLISHED JULY 8, 1924.

189,577. PEANUT BUTTER. BRINER-NULL COFFEE COMPANY, Vincennes, Ind.
Filed May 15, 1924. Serial No. 197,060. PUBLISHED JULY 8, 1924.

189,578. TALC FOR USE AS A TOILET POWDER. CHARLES F. OPITZ, doing business as Vilamar, Perfumer, Long Island City, N. Y.
Filed May 6, 1924. Serial No. 196,670. PUBLISHED JULY 8, 1924.

189,579. MECHANICAL PENCILS. SALZ BROS. INC., New York, N. Y.
Filed May 10, 1924. Serial No. 196,883. PUBLISHED JUNE 24, 1924.

189,580. LIQUID TOILET CREAM. JACQUES ROMANO, New York, N. Y.
Filed May 5, 1924. Serial No. 196,622. PUBLISHED JULY 8, 1924.

189,581. COFFEE. THE HEEKIN COMPANY, Cincinnati, Ohio.
Filed August 16, 1921. Serial No. 151,833. PUBLISHED JULY 8, 1924.

189,582. MEDICINAL AND PHARMACEUTICAL PREPARATIONS. CORONA CHEMICAL CO. INC., New York, N. Y.
Filed December 19, 1921. Serial No. 156,887. PUBLISHED APRIL 29, 1924.

189,583. COFFEE. PIONEER COFFEE COMPANY, Moorhead, Minn.
Filed March 1, 1922. Serial No. 160,024. PUBLISHED FEBRUARY 12, 1924.

189,584. SOFT DRINKS AND SIRUPS. BENJAMIN B. ALLEN, doing business as American Root Beer Co., San Francisco, Stockton, and Huntington Park, Calif.
Filed May 15, 1922. Serial No. 163,847. PUBLISHED JULY 8, 1924.

189,585. BLOOMERS FOR WOMEN'S AND CHILDREN'S WEAR. CARL A. SUSSTRONG, doing business as Elstrong Mfg. Co., Chicago, Ill.
Filed November 27, 1922. Serial No. 172,618. PUBLISHED JULY 8, 1924.

189,586. PRINTED FORMS OF LETTERS AND CIRCULARS. UNITED CREDITORS' ASSOCIATION, Los Angeles, Calif.
Filed January 29, 1923. Serial No. 175,280. PUBLISHED JULY 1, 1924.

189,587. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, AND OTHER FABRIC CONSTRUCTION. JOSEPH PIETZUCH, Cincinnati, Ohio.
Filed March 13, 1923. Serial No. 177,405. PUBLISHED JULY 8, 1924.

189,588. ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS. SWINE BREEDERS PURE SERUM COMPANY, Thorntown, Ind.
Filed March 15, 1923. Serial No. 177,526. PUBLISHED JULY 8, 1924.

189,589. HOUSE ORGAN ISSUED MONTHLY FOR GRATUITOUS DISTRIBUTION TO ITS EMPLOYEES. P. F. COLLIER & SON COMPANY, New York, N. Y.
Filed March 28, 1923. Serial No. 178,165. PUBLISHED MAY 22, 1923.

189,590. PREPARATION FOR THE TREATMENT OF ALL FORMS OF INFLAMMATION, TONSILLITIS, STINGS, CUTS, AND BRUISES. JEANETTE MARTIN, Tucson, Ariz.
Filed May 9, 1923. Serial No. 180,380. PUBLISHED JULY 8, 1924.

189,591. OINTMENT AS AN ENTERNAL REMEDY FOR THE TREATMENT OF COLDS, COUGHS, ASTHMA, BRONCHITIS, AND HAY FEVER. OLAF MELBY, Summit, S. Dak.
Filed June 15, 1923. Serial No. 182,055. PUBLISHED JULY 8, 1924.

189,592. PAPER IN SHEET AND WEB FORM INCLUDING PLAIN, COATED, AND WAXED PAPERS. LOUIS J. KOLB, doing business as Safetee Glass Company, Philadelphia, Pa.
Filed July 13, 1923. Serial No. 183,158. PUBLISHED JUNE 17, 1924.

189,593. CANNED FRUITS AND VEGETABLES, DRIED FRUITS, AND BREAKFAST CEREALS, JAMS, JELLIES, HONEY, FOOD-FLAVORING EXTRACTS, AND BIRDSEEDS. SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed August 14, 1923. Serial No. 184,480. PUBLISHED JUNE 24, 1924.

189,594. INFANTS' AND CHILDREN'S HOSIERY. PAGE AND JONES, doing business as Ideal Hosiery Mills, Philadelphia, Pa.
Filed September 21, 1923. Serial No. 186,014. PUBLISHED JULY 8, 1924.

189,595. CANNED PEAS AND BUTTER. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed October 17, 1923. Serial No. 187,118. PUBLISHED JULY 8, 1924.

189,596. TYPEWRITER PAPER. MAX GORDON, doing business as M. Gordon Company, New York, N. Y.
Filed October 23, 1923. Serial No. 187,379. PUBLISHED JUNE 10, 1924.

189,597. DISINFECTANTS AND GERMICIDES. THE GRAESSER-MONSANTO CHEMICAL WORKS LIMITED, Cefn, Ruabon, North Wales, and London, England.
Filed December 19, 1923. Serial No. 189,891. PUBLISHED JULY 8, 1924.

189,598. PURE HONEY. ERNEST L. GAMBLE, Adams, N. Y.
Filed December 24, 1923. Serial No. 190,078. PUBLISHED JUNE 24, 1924.

189,599. ALMOND MEATS (BROKEN OR IN NATURAL STATE), GLAZED ALMONDS, AND BLANCHED ALMONDS. CALIFORNIA ALMOND PACKERS, INC., Sacramento and North Sacramento, Calif.
Filed December 27, 1923. Serial No. 190,150. PUBLISHED JULY 8, 1924.

189,600. CIGARS. JOHN F. REICHARD, doing business as Manchester Cigar Company, York, Pa.
Filed January 11, 1924. Serial No. 190,707. PUBLISHED JULY 8, 1924.

189,601. LINIMENT. HARVEY R. ADAMS, Seattle Heights, Wash.
Filed March 27, 1924. Serial No. 194,504. PUBLISHED JULY 8, 1924.

189,602. ATTACHMENTS FOR TELEPHONES, SAID ATTACHMENTS BEING IN THE NATURE OF TELEPHONE INDEXES. DAVID UMANOFF, doing business as Crownolo Manufacturing Co., New York, N. Y.
Filed March 28, 1924. Serial No. 194,632. PUBLISHED JUNE 17, 1924.

189,603. MINERAL WATER AND NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. CHARLES E. KNIGHT, San Francisco, Calif.
Filed April 1, 1924. Serial No. 194,804. PUBLISHED JULY 8, 1924.

189,604. KITE. GEO. W. AYLING, doing business as J. C. Ayling Co., Springfield, Ill.
Filed April 2, 1924. Serial No. 194,847. PUBLISHED JULY 8, 1924.

189,605. PAPRIKA AND CAPERS. HIJO DE JUAN J. NAVARRO, Espinardo-Murcia, Spain, and New York, N. Y.
Filed April 3, 1924. Serial No. 194,938. PUBLISHED JUNE 24, 1924.

189,606. LIQUID ANTISEPTICS AND OINTMENTS TO RELIEVE PAINS OR SPRAINS IN THE MUSCLES AND TO BRING DOWN SWELLINGS AND INFLAMMATIONS AND SIMILAR MEDICINAL USES. FRANK PISTO, Brooklyn, N. Y.
Filed April 3, 1924. Serial No. 194,944. PUBLISHED JULY 8, 1924.

189,607. DRESS, NEGLIGEE, OR WORK SHIRTS. WALTER M. STEPPACHER & BRO., INC., Philadelphia, Pa.
Filed April 4, 1924. Serial No. 195,024. PUBLISHED JULY 8, 1924.

189,608. WOMEN'S KNITTED UNDERWEAR. THE CAMPE CORPORATION, New York, N. Y.
Filed April 7, 1924. Serial No. 195,094. PUBLISHED JULY 8, 1924.

189,609. OUTER SUITS FOR MEN AND BOYS. HARRY DAROFF & SONS, Philadelphia, Pa.
Filed April 7, 1924. Serial No. 195,096. PUBLISHED JULY 8, 1924.

189,610. COMPOUND FOR DESTROYING BOLL WEEVILS, ARMY WORMS, POTATO BUGS, AND OTHER LEAF-EATING INSECTS. CRAWFORD & LUKE, Augusta, Ga.
Filed April 8, 1924. Serial No. 195,158. PUBLISHED JULY 8, 1924.

189,611. PHARMACEUTICAL PREPARATION—NAMELY, A CONCENTRATE OF THE ISLANDS OF LANGERHANS OF THE PANCREAS INDICATED AS A HOMOSTIMULANT TO THE PANCREAS. THE DIGESTIVE FERMENTS COMPANY, Detroit, Mich.
Filed April 10, 1924. Serial No. 195,266. PUBLISHED JULY 8, 1924.

189,612. PHARMACEUTICAL PREPARATION. THE DIGESTIVE FERMENTS COMPANY, Detroit, Mich.
Filed April 10, 1924. Serial No. 195,267. PUBLISHED JULY 8, 1924.

189,613. SILK UNDERWEAR. JAMES A. HEARN & SON, Inc., New York, N. Y.
Filed April 10, 1924. Serial No. 195,286. PUBLISHED JULY 8, 1924.

189,614. HAIR TONIC FOR STRAIGHTENING HAIR AND HAIR POMADE. MARY LOU LEWIS, Americus, Ga.
Filed April 10, 1924. Serial No. 195,293. PUBLISHED JULY 8, 1924.

189,615. MAILING WRAPPER. PULL-THE-STRING MAILING WRAPPER CO., Chicago, Ill.
Filed April 12, 1924. Serial No. 195,459. PUBLISHED JULY 1, 1924.

189,616. SEMIMADE GARMENTS—NAMELY, WOMEN'S UNDERVESTS OF KNITTED MATERIAL. M. I. HALPERIN, Brooklyn, N. Y.
Filed April 14, 1924. Serial No. 195,517. PUBLISHED JULY 8, 1924.

189,617. PAPER—VIZ, MIMEOGRAPH AND WRITING. A. R. MEEKER & COMPANY, Newark, N. J.
Filed April 19, 1924. Serial No. 195,825. PUBLISHED JULY 1, 1924.

189,618. THROAT TABLETS AND A PREPARATION FOR USE AS AN ANTISEPTIC AND AS A HEALING AGENT IN THE EXTERNAL TREATMENT OF WOUNDS, SORES, ABRASIONS, BURNS, SORENESS OF THE THROAT, MOUTH, AND NOSE; SORE EYES, PYORRHEA, FOR USE AS A GARGLE IN THE TREATMENT OF COUGHS. MIDDLE WEST LABORATORIES, Bloomington, Ill.
Filed April 19, 1924. Serial No. 195,826. PUBLISHED JULY 8, 1924.

189,619. LOTION FOR HEALING AND BLEACHING THE SKIN AND FOR REMOVING WRINKLES, FRECKLES, AND BLEMISHES. LUELLA DICKINSON, Seattle, Wash.
Filed April 21, 1924. Serial No. 195,876. PUBLISHED JULY 8, 1924.

189,620. ANTISEPTICS, DEODORIZERS, DISINFECTANTS, WOUND POWDERS, GERMICIDES, AND VERMICIDES. THEODORE MEYER, Philadelphia, Pa.
Filed April 22, 1924. Serial No. 195,979. PUBLISHED JULY 8, 1924.

189,621. NIPPLES AND STEEL SPOKES. THE TILEY PRATT CO., Essex, Conn.
Filed May 17, 1924. Serial No. 197,230. PUBLISHED JULY 8, 1924.

189,622. RUBBER SHEETING. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed May 15, 1924. Serial No. 197,084. PUBLISHED JULY 8, 1924.

189,623. HOLLOW CONCRETE TILE. ROGERS AND KICKLIGHTER, Alexandria, Va.
Filed May 10, 1924. Serial No. 196,881. PUBLISHED JULY 1, 1924.

189,624. OIL BURNERS. THE SILENT GLOW OIL BURNER CORPORATION, West Hartford, Conn.
Filed May 7, 1924. Serial No. 196,715. PUBLISHED JULY 8, 1924.

189,625. LEATHER. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed May 5, 1924. Serial No. 196,585. PUBLISHED JULY 8, 1924.

189,626. METAL FRAMES FOR BUILDINGS, WINDOWS, AND DOORS. THE BRADEN COMPANY, Tulsa, Okla.
Filed May 5, 1924. Serial No. 196,572. PUBLISHED JULY 1, 1924.

189,627. SHAMPOOS IN POWDER, LIQUID, AND PASTE FORM, AND HAIR TONIC. MANGO TANI CORPORATION, Brooklyn and Coney Island, N. Y.
Filed May 3, 1924. Serial No. 196,536. PUBLISHED JULY 8, 1924.

189,628. ASPHALTUM AND BITUMINOUS MIXTURES AND COMPOUNDS—NAMELY, ASPHALT. CENTRAL COMMERCIAL COMPANY, Chicago, Ill.
Filed May 2, 1924. Serial No. 196,429. PUBLISHED JULY 1, 1924.

189,629. BRICKS. WYANDOT CLAY PRODUCTS COMPANY, Upper Sandusky, Ohio.
Filed April 24, 1924. Serial No. 196,097. PUBLISHED JULY 1, 1924.

189,630. HATBOXES. HAUSER & WEIL, New York, N. Y.
Filed March 29, 1924. Serial No. 194,643. PUBLISHED JUNE 10, 1924.

189,631. CANNED VEGETABLES. THE BLOOMINGTON CANNING CO., Bloomington, Ill.
Filed March 27, 1924. Serial No. 194,516. PUBLISHED JULY 22, 1924.

189,632. CANDY, NUTS—NAMELY, ALMONDS—CONFECTIONS COMPOSED OF NUT MEATS, CHOCOLATE, AND FONDANT. WILLIAM PRENTISS, Jr., also doing business as California Almond Confections Company, Long Beach, Calif.
Filed March 26, 1924. Serial No. 194,476. PUBLISHED JULY 22, 1924.

189,633. CHEWING GUM. THE GOUDEY GUM CO., Boston, Mass.
Filed March 22, 1924. Serial No. 194,271. PUBLISHED JULY 22, 1924.

189,634. BURLAP BAGS. MILLARD MOORE BOSWORTH, doing business as M. M. Bosworth Company, Memphis, Tenn.
Filed March 22, 1924. Serial No. 194,252. PUBLISHED JULY 1, 1924.

189,635. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 194,236. PUBLISHED JULY 22, 1924.

189,636. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 194,235. PUBLISHED JULY 22, 1924.

189,637. BOXES AND CONTAINERS FOR SILVERWARE. R. WALLACE & SONS MFG. CO., Wallingford, Conn.
Filed March 20, 1924. Serial No. 194,144. PUBLISHED JUNE 10, 1924.

189,638. MERCHANDISE RECEPTACLES OR ENVELOPES. SERVICE BAG CO. INC., New York, N. Y.
Filed March 20, 1924. Serial No. 194,133. PUBLISHED JUNE 10, 1924.

189,639. HAND BAGS, VANITY CASES, POCKETBOOKS, WHOLLY OR IN PART OF LEATHER. MALTZ & SIMS, New York, N. Y.
Filed March 19, 1924. Serial No. 194,074. PUBLISHED MAY 27, 1924.

189,640. COFFEE. WISCONSIN COFFEE COMPANY, Stevens Point, Wis.
Filed March 17, 1924. Serial No. 193,977. PUBLISHED JULY 22, 1924.

189,641. CANDY BARS. HOOD'S CANDY COMPANY, Seattle, Wash.
Filed March 17, 1924. Serial No. 193,922. PUBLISHED JULY 22, 1924.

189,642. TEA. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed March 15, 1924. Serial No. 193,815. PUBLISHED JULY 22, 1924.

189,643. CANDY. REPETTI, INC., Long Island City, N. Y.
Filed March 6, 1924. Serial No. 193,355. PUBLISHED JULY 22, 1924.

189,644. CANS AND TANKS OF VARIOUS KINDS; PAILS OF VARIOUS KINDS, INCLUDING MILKING PAILS, CURD PAILS, DAIRY PAILS; HOOPS FOR HOLDING CHEESE CURD FOR PRESSING, MILK TROUGHS OR CONDUCTORS, CHEESE VATS, RECEIVING AND STORAGE VATS FOR MILK, ICE-CREAM-BRICK BOXES, WATERING TROUGHS, AND HOG TROUGHS. OAKES & BURGER CO., Cattaraugus, N. Y.
Filed March 5, 1924. Serial No. 193,305. PUBLISHED JULY 1, 1924.

189,645. HAMS AND BACON. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed February 29, 1924. Serial No. 193,070. PUBLISHED JULY 22, 1924.

189,646. FOOD PRODUCTS—NAMELY, SHREDDED LOBSTER. SOY BEAN, FLOUR & OROROBI MFG. CO., Petaluma, Calif.
Filed February 20, 1924. Serial No. 192,585. PUBLISHED JULY 22, 1924.

189,647. FIBER-HEAD SPOOLS, AXMINSTER-LOOM SPOOLS, AND FIBER-HEAD SILK BOBBINS. LESTERSHIRE SPOOL & MFG. CO., Johnson City, N. Y.
Filed February 18, 1924. Serial No. 192,489. PUBLISHED JUNE 10, 1924.

189,648. CANDY. THE ED. MESSER CONFECTIONERY CO., Cincinnati, Ohio.
Filed February 14, 1924. Serial No. 192,260. PUBLISHED JULY 8, 1924.

189,649. LEATHER GOODS AND NOVELTIES—VIZ, HAND BAGS, WEEK-END CASES, OVERNIGHT BAGS, WALLETS, PURSES, BILL FOLDS, CARD-CASES, AND POCKETBOOKS. H. E. KASER MODELED LEATHER CORPORATION, Buffalo, N. Y.
Filed February 14, 1924. Serial No. 192,258. PUBLISHED JUNE 10, 1924.

189,650. PISTON RINGS. STANDARD MOTOR PRODUCTS CO., Long Island City, N. Y.
Filed March 31, 1922. Serial No. 161,586. PUBLISHED JANUARY 23, 1923.

189,651. AUTOMOBILE RIMS. INTERLOCKING TOGGLE RIM CO., Fort Valley, Ga.
Filed March 16, 1923. Serial No. 177,560. PUBLISHED JULY 1, 1924.

189,652. WHEELBARROWS. STERLING WHEELBARROW CO., Milwaukee, Wis.
Filed June 14, 1923. Serial No. 182,018. PUBLISHED JULY 8, 1924.

189,653. RUBBER TIRES AND RUBBER PNEUMATIC TIRES FOR MOTOR VEHICLES. BURLOCK NON-SKID TIRE CORPORATION, New York, N. Y.
Filed October 10, 1923. Serial No. 186,772. PUBLISHED JULY 1, 1924.

189,654. RUBBER-TUBE PATCHING, INNER TUBES, BLOW-OUT PATCHES, AND RADIATOR HOSE. RESEARCH CLUB, INC., Chicago, Ill.
Filed November 16, 1923. Serial No. 188,434. PUBLISHED JULY 1, 1924.

189,655. RUBBER-TUBE PATCHING, INNER TUBES, BLOW-OUT PATCHES, AND RADIATOR HOSE. RESEARCH CLUB, INC., Chicago, Ill.
Filed November 16, 1923. Serial No. 188,435. PUBLISHED JULY 1, 1924.

189,656. BURNERS USING PETROLEUM AND ITS PRODUCTS AS FUEL. SOCONY BURNER CORPORATION, New York, N. Y.
Filed January 9, 1924. Serial No. 190,618. PUBLISHED JULY 8, 1924.

189,657. ACTIVATED AND UNACTIVATED CARBONS AND CARBONACEOUS MATERIALS FOR USE IN FILTERING, CLARIFYING, AND DECOLORIZING LIQUIDS. SUCHAR PROCESS CORPORATION, Dover, Del.
Filed January 17, 1924. Serial No. 190,944. PUBLISHED JUNE 10, 1924.

189,658. TRAILERS, HAND TRUCKS, WAGON TRUCKS, AND DOLLIES. WELDED PRODUCTS MANUFACTURING CO., Milwaukee, Wis.
Filed January 24, 1924. Serial No. 191,244. PUBLISHED JULY 8, 1924.

189,659. REFRIGERATING AND ICE-MAKING MACHINES. ZANESVILLE ENGINEERING AND REFRIGERATING CO., Zanesville, Ohio.
Filed February 26, 1924. Serial No. 192,873. PUBLISHED JUNE 10, 1924.

189,660. FILTERS FOR AERIFORM FLUIDS. REED AIR FILTER COMPANY, Louisville, Ky.
Filed March 12, 1924. Serial No. 193,681. PUBLISHED JULY 8, 1924.

189,661. PULVERIZED OR GROUND SILICA. PENNSYLVANIA PULVERIZING COMPANY, Lewiston, Pa.
Filed March 22, 1924. Serial No. 194,292. PUBLISHED JULY 8, 1924.

189,662. REFRIGERATORS. THE ROCKY MOUNTAIN NOVELTY COMPANY, Denver, Colo
Filed March 25, 1924. Serial No. 194,416. PUBLISHED JUNE 10, 1924.

189,663. ENGINE PACKING COMPRISING ASBESTOS, RUBBER, AND METAL. BELL'S UNITED ASBESTOS COMPANY LIMITED, London, England.
Filed March 26, 1924. Serial No. 194,429. PUBLISHED JULY 8, 1924.

189,664. PLASTIC METALLIC PACKING. BELL'S UNITED ASBESTOS COMPANY LIMITED, London, England.
Filed March 29, 1924. Serial No. 194,637. PUBLISHED JULY 1, 1924.

189,665. ROAD WHEELS FOR MOTOR VEHICLES AND PARTS THEREOF. WIRE WHEEL CORPORATION OF AMERICA, Buffalo, N. Y.
Filed April 3, 1924. Serial No. 194,965. PUBLISHED JULY 8, 1924.

189,666. REFRIGERATORS, REFRIGERATING MACHINERY, AND REFRIGERATOR SHOW CASES. OTTENHEIMER BROS. INC., Baltimore, Md.
Filed April 9, 1924. Serial No 195,237. PUBLISHED JUNE 10, 1924.

189,667. COAL. BIG VEIN ANTHRACITE COLLIERIES, INC., Washington, D. C.
Filed April 11, 1924. Serial No. 195,329. PUBLISHED JULY 1, 1924.

189,668. COAL AND GAS RANGES AND HEATERS. LEONARD & BAKER STOVE COMPANY, Taunton, Mass.
Filed April 12, 1924. Serial No. 195,452. PUBLISHED JULY 1, 1924.

189,669. ROUGH AND FINISHED LUMBER. KAUL LUMBER COMPANY, Tuscaloosa and Birmingham, Ala.
Filed April 18, 1924. Serial No. 195,749. PUBLISHED JULY 1, 1924.

189,670. CRAB SANDWICH AND SHRIMP SANDWICH. ARTHUR J. BRADLEY, San Francisco, Calif.
Filed April 1, 1924. Serial No. 194,782. PUBLISHED JULY 22, 1924.

189,671. CRAB SANDWICH AND SHRIMP SANDWICH. ARTHUR J. BRADLEY, San Francisco, Calif.
Filed April 1, 1924. Serial No. 194,783. PUBLISHED JULY 22, 1924.

189,672. STARCH-GLUE MATERIAL. PERKINS GLUE COMPANY, Lansdale, Pa.
Filed April 8, 1924. Serial No. 195,183. PUBLISHED JUNE 10, 1924.

189,673. STARCH-GLUE MATERIAL. PERKINS GLUE COMPANY, Lansdale, Pa.
Filed April 8, 1924. Serial No. 195,184. PUBLISHED JUNE 10, 1924.

189,674. CANNED FIGS. SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed April 12, 1924. Serial No. 195,465. PUBLISHED JULY 22, 1924.

189,675. PAPER CONTAINERS OR CUPS. CHRISTIAN N. BERGMANN, North Side, Pittsburgh, Pa., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware.
Filed April 16, 1924. Serial No. 195,629. PUBLISHED JULY 1, 1924.

189,676. VANITY CASES. LEFKOWITZ & FISHER, INC., New York, N. Y.
Filed April 21, 1924. Serial No. 195,892. PUBLISHED JUNE 17, 1924.

189,677. PAPER CANS. EASTERN PAPER CAN & TUBE COMPANY, Boston, Mass.
Filed April 25, 1924. Serial No. 196,107. PUBLISHED JUNE 17, 1924.

189,678. CANNED FISH. R. E. COTTER CO., San Francisco, Calif.
Filed April 26, 1924. Serial No. 196,156. PUBLISHED JULY 22, 1924.

189,679. CANNED FISH. R. E. COTTER CO., San Francisco, Calif.
Filed April 26, 1924. Serial No. 196,157. PUBLISHED JULY 22, 1924.

189,680. CORN MEAL. CITY MILLS CO., Columbus, Ga.
Filed April 28, 1924. Serial No. 196,233. PUBLISHED JULY 22, 1924.

189,681. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,263. PUBLISHED JULY 22, 1924.

189,682. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,264. PUBLISHED JULY 22, 1924.

189,683. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,265. PUBLISHED JULY 22, 1924.

189,684. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,266. PUBLISHED JULY 22, 1924.

189,685. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,267. PUBLISHED JULY 22, 1924.

189,686. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,268. PUBLISHED JULY 22, 1924.

189,687. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,269. PUBLISHED JULY 22, 1924.

189,688. CANDY. FLOYD R. PERKINS, doing business as The Spot Candy Company, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,270. PUBLISHED JULY 22, 1924.

189,689. BREAD. UNITED BAKERIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,273. PUBLISHED JULY 22, 1924.

189,690. BREAD. UNITED BAKERIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,274. PUBLISHED JULY 22, 1924.

189,691. BREAD. UNITED BAKERIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,275. PUBLISHED JULY 22, 1924.

189,692. BREAD. UNITED BAKERIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,276. PUBLISHED JULY 22, 1924.

189,693. BREAD. UNITED BAKERIES CORPORATION, New York, N. Y.
Filed April 28, 1924. Serial No. 196,277. PUBLISHED JULY 22, 1924.

189,694. WHEAT FLOUR. CLEVELAND MILLING CO., Cleveland, Tenn.
Filed April 30, 1924. Serial No. 196,333. PUBLISHED JULY 22, 1924.

189,695. WHEAT FLOUR. CLEVELAND MILLING COMPANY, Cleveland, Tenn.
Filed May 1, 1924. Serial No. 196,365. PUBLISHED JULY 22, 1924.

189,696. CANDY. HOL-SOM CANDY SPECIALTY CO., Baltimore, Md.
Filed May 2, 1924. Serial No. 196,459. PUBLISHED JULY 22, 1924.

189,697. PAPER BAGS. SOUTHERN WOODEN WARE CO., Nashville, Tenn.
Filed May 3, 1924. Serial No. 196,549. PUBLISHED JUNE 17, 1924.

189,698. FRESH DECIDUOUS FRUIT. F. W. BARKHAUS & SONS, Newcastle, Calif.
Filed May 5, 1924. Serial No. 196,566. PUBLISHED JULY 22, 1924.

189,699. EGGS. JOHN P. FIGENBAUM & COMPANY, Mattoon, Ill.
Filed May 6, 1924. Serial No. 196,655. PUBLISHED JULY 22, 1924.

189,700. FRESH FRUITS AND FRESH VEGETABLES. E. H. SPIEGL, San Francisco, Calif.
Filed May 6, 1924. Serial No. 196,682. PUBLISHED JULY 22, 1924.

189,701. LARD AND BACON. PITTSBURGH PROVISION AND PACKING COMPANY, Pittsburgh, Pa.
Filed May 13, 1924. Serial No. 196,968. PUBLISHED JULY 22, 1924.

189,702. CORN FLOUR AND MAIZE FLAKES. KNEFLER-BATES MFG. CO., Indianapolis, Ind.
Filed May 16, 1924. Serial No. 197,155. PUBLISHED JULY 22, 1924.

189,703. CANDY. EDWARD F. DALTON, Rockville Center, N. Y.
Filed May 19, 1924. Serial No. 197,260. PUBLISHED JULY 22, 1924.

189,704. CANDY. COLLINS-HENCKE CANDY CO., San Francisco, Calif.
Filed May 21, 1924. Serial No. 197,363. PUBLISHED JULY 22, 1924.

189,705. CHOCOLATE BARS. ROACH TISDALE & CO., Minneapolis, Minn.
Filed May 24, 1924. Serial No. 197,561. PUBLISHED JULY 22, 1924.

189,706. COFFEE. GEO. W. CASWELL CO., San Francisco, Calif.
Filed May 26, 1924. Serial No. 197,581. PUBLISHED JULY 22, 1924.

189,707. COFFEE. GEO. W. CASWELL CO., San Francisco, Calif.
Filed May 26, 1924. Serial No. 197,582. PUBLISHED JULY 22, 1924.

189,708. PANCAKE FLOUR. LEWIS R. DONELSON, Jr., doing business as The Donelson Company, Memphis, Tenn.
Filed May 26, 1924. Serial No. 197,587. PUBLISHED JULY 22, 1924.

189,709. PLAIN AND SELF-RISING FLOUR. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn.
Filed May 28, 1924. Serial No. 197,765. PUBLISHED JULY 22, 1924.

189,710. PLAIN AND SELF-RISING FLOUR. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn.
Filed May 28, 1924. Serial No. 197,766. PUBLISHED JULY 22, 1924.

189,711. POTATO CHIPS. NICHOLAS J. SHAMEY, doing business as Eatmor Potato Chip Company, Springfield, Mass.
Filed May 29, 1924. Serial No. 197,836. PUBLISHED JULY 22, 1924.

189,712. FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH GRAPES, MELONS, AND FRESH VEGETABLES. WILLIAM MERLE NELSON, Modesto, Calif.
Filed May 31, 1924. Serial No. 197,896. PUBLISHED JULY 22, 1924.

189,713. FLOWER BOXES, VASES, HATBOXES, SHOE BOXES, SKIRT BOXES, AND CABINETS. COOK WOODCRAFT CO., Hollywood, Calif.
Filed February 2, 1924. Serial No. 191,675. PUBLISHED JUNE 10, 1924.

189,714. CANNED FRUITS AND VEGETABLES. CALIFORNIA CO-OPERATIVE CANNERIES, San Francisco, Calif.
Filed January 26, 1924. Serial No. 191,301. PUBLISHED JULY 22, 1924.

189,715. CANNED SHRIMP. WHITE COAST PACKING CO., Cut Off, La.
Filed December 19, 1923. Serial No. 189,926. PUBLISHED JULY 22, 1924.

189,716. PAPER BOXES, PARTICULARLY CHRISTMAS BOXES AND NUT CUPS. THE GEORGE FRANKE SONS COMPANY, Baltimore, Md.
Filed December 5, 1923. Serial No. 189,245. PUBLISHED JUNE 10, 1924.

189,717. CANNED FRUITS AND VEGETABLES AND DRIED FRUITS. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed November 28, 1923. Serial No. 189,003. PUBLISHED JULY 22, 1924.

189,718. FRESH AND CANNED FRUITS. RANDOLPH & MILLER, Clearwater, Fla.
Filed October 29, 1923. Serial No. 187,640. PUBLISHED JULY 22, 1924.

189,719. PACKAGES, CONTAINERS, AND THE LIKE OF PAPER, PASTEBOARD, OR THE LIKE, SOLD EMPTY. HENRY A. LIBBEY, Waban, Mass.
Filed September 7, 1923. Serial No. 185,470. PUBLISHED JUNE 10, 1924.

189,720. FRESH FRUITS—NAMELY, APPLES. THE EARL FRUIT COMPANY OF THE NORTHWEST, Spokane, Wash.
Filed August 25, 1923. Serial No. 184,964. PUBLISHED JULY 22, 1924.

189,721. WARDROBE TRAVELING CASES. THOMAS W. THACKERY, Jr., Chicago, Ill.
Filed July 11, 1923. Serial No. 183,089. PUBLISHED DECEMBER 25, 1923.

189,722. SOLUTION OF RUBBER FOR REPAIRING RUBBER GOODS. STRINGO CO. BERG & BILDE, Gottenborg, Sweden.
Filed June 18, 1923. Serial No. 182,187. PUBLISHED JUNE 17, 1924.

189,723. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 18, 1923. Serial No. 182,175. PUBLISHED DECEMBER 11, 1923.

189,724. COFFEE. M. M. GASSER CO., Duluth, Minn.
Filed June 2, 1923. Serial No. 181,482. PUBLISHED JANUARY 8, 1924.

189,725. POWDER-PUFF CONTAINERS. THOMAS W. SMITH, doing business as The Annondale Co., St. Paul, Minn.
Filed April 2, 1923. Serial No. 178,476. PUBLISHED JUNE 10, 1924.

189,726. CANDY. HOLLINGSWORTH CANDY CO., Augusta, Ga.
Filed March 21, 1923. Serial No. 177,781. PUBLISHED JULY 22, 1924.

189,727. TRUNKS. WHEARY-BURGE TRUNK COMPANY, Racine, Wis.
Filed January 27, 1923. Serial No. 175,228. PUBLISHED JULY 1, 1924.

189,728. EGGS. ROYAL POULTRY FARM, New Lebanon, Ohio.
Filed January 19, 1923. Serial No. 174,801. PUBLISHED JULY 22, 1924.

189,729. CERTAIN NAMED FOODS. TEXAS MILL & ELEVATOR COMPANY, Abilene, Tex.
Filed September 13, 1922. Serial No. 169,427. PUBLISHED JULY 22, 1924.

189,730. HAMS AND BACON. HIGGIN'S PACKING COMPANY, Omaha, Nebr.
Filed June 3, 1922. Serial No. 164,909. PUBLISHED JULY 22, 1924.

189,731. CERTAIN MEAT PRODUCTS. VIRDEN PACKING COMPANY, South San Francisco, Calif.
Filed May 22, 1922. Serial No. 164,282. PUBLISHED JUNE 5, 1923.

189,732. PORTFOLIOS, POCKETBOOKS, WALLETS, AND LEATHER-COVERED RECEPTACLES SUCH AS PORTFOLIOS, POCKETBOOKS, AND BRIEF CASES. BROWN & BIGELOW, St. Paul, Minn.
Filed March 16, 1922. Serial No. 160,744. PUBLISHED MAY 27, 1924.

189,733. PERIODICAL MAGAZINE. FRUIN-COLNON CONTRACTING COMPANY, St. Louis, Mo.
Filed May 16, 1924. Serial No. 197,144. PUBLISHED JULY 8, 1924.

189,734. ANNUAL PUBLICATION. THOMPSON-BROGAN CO., Yonkers, N. Y.
Filed May 17, 1924. Serial No. 197,229. PUBLISHED JULY 8, 1924.

189,735. BONING, STEELS, AND STAYING MATERIAL FOR CORSETS, BRASSIÈRES, COMBINATIONS OF CORSETS AND BRASSIÈRES, AND OTHER WEARING APPAREL. AMERICAN LADY CORSET CO., Detroit, Mich.
Filed May 19, 1924. Serial No. 197,240. PUBLISHED JULY 1, 1924.

189,736. MONTHLY PUBLICATION. THE RURAL PUBLISHING CORP., Chicago, Ill.
Filed May 19, 1924. Serial No. 197,298. PUBLISHED JULY 8, 1924.

189,737. SERIES OF CARTOONS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed May 20, 1924. Serial No. 197,314. PUBLISHED JULY 8, 1924.

189,738. TRADE JOURNAL PUBLISHED MONTHLY AND DISTRIBUTED TO ADVERTISING AGENCIES. MCGRAW HILL COMPANY, INC., New York, N. Y.
Filed May 21, 1924. Serial No. 197,385. PUBLISHED JULY 8, 1924.

189,739. COMBS. SUPERIOR NOVELTY MFG. CO., INC., Linden, N. J.
Filed April 25, 1924. Serial No. 196,141. PUBLISHED JULY 1, 1924.

189,740. SEMIMONTHLY NEWS MAGAZINE. RETAIL LEDGER PUBLISHING COMPANY, Philadelphia, Pa.
Filed April 26, 1924. Serial No. 196,195. PUBLISHED JULY 8, 1924.

189,741. TRADING CARDS. T-A-D COMPANY, Chicago, Ill.
Filed April 28, 1924. Serial No. 196,271. PUBLISHED JULY 8, 1924.

189,742. BEDSTEADS. GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y.
Filed May 2, 1924. Serial No. 196,455. PUBLISHED JULY 8, 1924.

189,743. MARKET REPORTS, SCIENTIFIC DATA, FINANCIAL AND BUSINESS CHARTS, AND THE LIKE PUBLISHED PERIODICALLY IN THE FORM OF GRAPHIC CHARTS. EDWARD J. MACRI, New York, N. Y.
Filed May 2, 1924. Serial No. 196,465. PUBLISHED JULY 1, 1924.

189,744. CARTOONS, COLUMN PICTURES, AND DRAWINGS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed May 2, 1924. Serial No. 196,494. PUBLISHED JULY 1, 1924.

189,745. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,509. PUBLISHED JULY 8, 1924.

189,746. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,510. PUBLISHED JULY 8, 1924.

189,747. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,511. PUBLISHED JULY 8, 1924.

189,748. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,512. PUBLISHED JULY 8, 1924.

189,749. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,513. PUBLISHED JULY 8, 1924.

189,750. SCHOOL DESKS AND BOOK RESTS. WELFARE INCORPORATED, Missoula, Mont.
Filed May 23, 1924. Serial No. 197,523. PUBLISHED JULY 8, 1924.

189,751. KITCHEN CABINETS, KITCHEN BASES, AND KITCHEN TABLES. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed April 22, 1924. Serial No. 195,944. PUBLISHED JULY 1, 1924.

189,752. CERTAIN-NAMED HOUSEHOLD AND OTHER FURNITURE. CONANT-BALL COMPANY, Boston, Mass.
Filed April 18, 1924. Serial No. 195,740. PUBLISHED JULY 8, 1924.

189,753. TITLE FOR A SERIES OF NEWSPAPER ARTICLES. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed April 14, 1924. Serial No. 195,538. PUBLISHED JULY 1, 1924.

189,754. MONTHLY MAGAZINE. THE AMERICAN FORESTRY ASSOCIATION, Washington, D. C.
Filed April 11, 1924. Serial No. 195,324. PUBLISHED JULY 1, 1924.

189,755. GASKETS, WASHERS, AND PACKING OF CORK OR CORK COMPOSITION. ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Filed March 21, 1924. Serial No. 194,154. PUBLISHED JULY 8, 1924.

189,756. PRINTED MUSIC. JACK SNYDER PUBLISHING COMPANY, INCORPORATED, New York, N. Y.
Filed March 20, 1924. Serial No. 194,134. PUBLISHED JULY 8, 1924.

189,757. DAILY PUBLICATION. WILLIAM ARMSTRONG, New York, N. Y.
Filed March 17, 1924. Serial No. 193,884. PUBLISHED JULY 1, 1924.

189,758. CALENDARS ISSUED FROM TIME TO TIME. C. R. ARCHIBALD, doing business as Union Label Press, Warren and Youngstown, Ohio.
Filed March 5, 1924. Serial No. 193,267. PUBLISHED JULY 1, 1924.

189,759. FEATHER AND DOWN PILLOWS, BASSINETS, CRIBS, DRESSING TABLES, CLOTHES TREES, CHIFFOROBES, AND NURSERY CHAIRS. JAMES MCCUTCHEON & COMPANY, New York, N. Y.
Filed March 4, 1924. Serial No. 193,234. PUBLISHED JULY 8, 1924.

189,760. MONTHLY MAGAZINE. TOPICS, INC., Chicago, Ill.
Filed March 3, 1924. Serial No. 193,196. PUBLISHED JULY 8, 1924.

189,761. LINGERIE STRAP HOLDERS COMPOSED OF ELASTIC WITH METAL TIP. HOFFMANN NOVELTY CO., Oakland, Calif.
Filed January 29, 1924. Serial No. 191,434. PUBLISHED JULY 1, 1924.

189,762. NONELECTRICAL CURLING IRONS, WAVING IRONS, STRAIGHTENING IRONS, AND APPLIANCES FOR SHAPING HUMAN HAIR. A. BRESLAUER, INC., New York, N. Y.
Filed January 29, 1924. Serial No. 191,425. PUBLISHED JULY 1, 1924.

189,763. CERTAIN-NAMED HOUSEHOLD FURNITURE. SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS ROUZAUD, CHOCOLAT DE ROYAT, "A LA MARQUISE DE SÉVIGNÉ," Royat, France.
Filed January 28, 1924. Serial No. 191,413. PUBLISHED JULY 8, 1924.

189,764. WINDOW-SHADE CURTAINS. THE NATIONAL LOCK WASHER COMPANY, Newark, N. J.
Filed December 18, 1923. Serial No. 189,869. PUBLISHED JULY 8, 1924.

189,765. PUBLICATION ISSUED EVERY TWO WEEKS. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed November 16, 1923. Serial No. 188,454. PUBLISHED JULY 8, 1924.

189,766. WEEKLY COMMODITY MARKET PUBLICATION. VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass.
Filed November 13, 1923. Serial No. 188,286. PUBLISHED JULY 1, 1924.

189,767. WEEKLY COMMODITY MARKET PUBLICATION. VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass.
Filed November 13, 1923. Serial No. 188,285. PUBLISHED JULY 1, 1924.

189,768. IMPORTED GENUINE ENGLISH BROADCLOTH, A WOVEN FABRIC. FAIRFAX TEXTILE MILLS, INC., New York, N. Y.
Filed November 10, 1923. Serial No. 188,191. PUBLISHED JULY 22, 1924.

189,769. MONTHLY MAGAZINE. OILDOM PUBLISHING CO., INC., Bayonne, N. J., and New York, N. Y.
Filed April 27, 1923. Serial No. 179,817. PUBLISHED JULY 8, 1924.

189,770. CEMENTS. AKTIESELSKABET AALBORG PORTLAND-CEMENT-FABRIK, Aalborg, Jutland, Denmark.
Filed December 28, 1922. Serial No. 173,908. PUBLISHED JULY 1, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

189,771. (CLASS 39. CLOTHING.) THE HOUSE OF BYER, Malden, Mass. Filed Aug. 23, 1922. Serial No. 168,613.

The House of Byer

Particular description of goods.—Waists and Hosiery.
Claims use since February, 1909.

189,772. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. HENRY HARMAN, Tazewell, Va. Filed Aug. 9, 1924. Serial No. 201,189.

GREEN VALLEY

Particular description of goods.—Coal.
Claims use since June, 1921.

189,773. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 23, 1924. Serial No. 198,977.

Sticky Stuff

Particular description of goods.—Adhesives in Powder and Liquid Form.
Claims use for not less than one year.

189,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. SANBORN & SONS, Astoria, Oreg. Filed June 13, 1924. Serial No. 198,538.

SANBORN'S

Particular description of goods.—Canned Salmon.
Claims use since June 27, 1916.

189,775. (CLASS 2. RECEPTACLES). SOLAR-STURGES MFG. CO., Chicago, Ill. Filed Apr. 18, 1924. Serial No. 195,781.

PEERLESS

Particular description of goods.—Milk Cans.
Claims use since 1908.

189,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT U. DOUGHERTY, Muncie, Ind. Filed Aug. 9, 1924. Serial No. 201,188.

Real Cakes

Particular description of goods.—Cakes.
Claims use since Apr. 1, 1922.

189,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT U. DOUGHERTY, Muncie, Ind. Filed Aug. 9, 1924. Serial No. 201,187.

SUNDAY

DINNER CAKE

Particular description of goods.—Cakes.
Claims use since Apr. 1, 1922.

189,778. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE SWINEHART TIRE AND RUBBER COMPANY, Akron, Ohio. Filed July 21, 1924. Serial No. 200,348.

swinehart

Particular description of goods.—Tires and Tubes Made Wholly or Partly of Rubber.
Claims use since 1904.

189,779. (CLASS 43. THREAD AND YARN.) MUTUAL THREAD COMPANY, New York, N. Y. Filed July 17, 1924. Serial No. 200,149.

Frankford

Particular description of goods.—Threads and Yarns.
Claims use since 1914.

189,780. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ESSEX RUBBER COMPANY, INC., Trenton, N. J. Filed July 16, 1924. Serial No. 200,102.

ESSEX

Particular description of goods.—Bicycle Handle-Bar Grips, Step Mats for Automobiles, and Heel Rests for Use in Automobiles.
Claims use since 1915.

189,781. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PURITY BREAD COMPANY, Pueblo, Colo. Filed July 3, 1924. Serial No. 199,572.

HOLSUM

Particular description of goods.—Macaroni, Spaghetti, Noodles, and Vermicelli.
Claims use since Dec. 1, 1923.

189,782. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM A. SMITH, doing business as Smith Auto Accessory Co., Indianapolis, Ind. Filed May 24, 1924. Serial No. 197,565.

SMITH'S

Particular description of goods.—Impregnated Dusting Cloths.
Claims use since Sept. 13, 1922.

189,783. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STUMPF & WALTER CO., New York, N. Y. Filed Mar. 31, 1924. Serial No. 195,038.

STAIGREEN

Particular description of goods.—Flower, Vegetable, and Grass Seeds and Flowering Bulbs.
Claims use for not less than one year.

189,784. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923. Serial No. 187,849.

COVENTRY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

189,785. (CLASS 39. CLOTHING.) MAYBELLE MANNING, New York, N. Y. Filed Oct. 15, 1923. Serial No. 187,009.

MAYBELLE MANNING

Particular description of goods.—Ladies' Gowns and Dresses.
Claims use since February, 1921.

189,786. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STIGLITZ FURNACE COMPANY, Louisville, Ky. Filed Aug. 17, 1923. Serial No. 184,626.

STIGLITZ

Particular description of goods.—Furnaces for Use with Coal, Wood, Coke, Gas, and Oil.
Claims use since January, 1922.

189,787. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed May 26, 1923. Serial No. 181,193.

NONPAREIL

Particular description of goods.—Nonalcoholic, Maltless Extracts and Flavors Used in the Preparation of Soft Drinks.
Claims use since Mar. 8, 1923.

189,788. (CLASS 5. ADHESIVES.) ALBERT SWANSON, doing business as Swanson Supply Co., Seattle, Wash. Filed Dec. 12, 1923. Serial No. 189,596.

Paraqum

Particular description of goods.—Rubber Repair Compounds—viz, Mending Paste, Solution, Mastic, Rubber Cement.
Claims use since July 15, 1916.

189,789. (CLASS 32. FURNITURE AND UPHOLSTERY.) H. D. DOUGHERTY & CO., INC., Philadelphia, Pa. Filed Nov. 25, 1922. Serial No. 172,525.

"The Faultless LINE"

Particular description of goods.—Hospital Furniture, and More Particularly Metal Bedsteads, Mattresses, Feather Pillows, Hair Pillows, Bassinets, Basket Cribs, Cribs, Cots, Couches, Wooden Umbrella Stands, Folding Chairs, Settees, Chairs, Commodes, Commode Chairs, Stools, Dressing Tables with Mirrors, Dressers with Mirrors, Chiffoniers, Costumers, Folding Screens, Radiator Screens, Ward Screens, Extension Screens, Nursery Play Tables, Wall Stands, Washstands, Wooden Towel Racks, Medicine Cabinets, Lockers, Filing Cases, Linen Lockers, Food-Tray Cabinets, Wardrobes, Nurses' Writing Desks, Chart Cabinets; Bed Equipment, or more Specifically Springs and Spring Frames.
Claims use since 1907.

189,790. (CLASS 32. FURNITURE AND UPHOLSTERY.) COHN BROS. FURNITURE CO. INC., New York and Brooklyn, N. Y. Filed Jan. 5, 1923. Serial No. 174,196.

COHN BROS. FURNITURE COMPANY, INC

Particular description of goods.—Baby High Chairs, Beds, Bookcases, Buffets, Household Chairs, Cedar Chests, Chifforobes, China Closets, Costumers, Couches, Crystal Closets, Davenports, Dressers, Mattresses, Mirrors, Rocking-Chairs, Smoking Stands, Sofas, Bed Springs, Stools, Sideboards, Household Tables, Vanity Tables, and Window Shades.
Claims use since Aug. 5, 1918.

189,791. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAUDE M. KIRKWOOD, doing business as Klenerwax Polish Co., Los Angeles, Calif. Filed Mar. 2, 1923. Serial No. 176,837.

KLENERWAX

Particular description of goods.—Liquid Furniture and Automobile Polish.
Claims use since Aug. 28, 1922.

189,792. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 179,332.

SIPE'S ENAMELOIL

Particular description of goods.—A Special Combination of Oils to be Added to Paint.
Claims use since 1913.

189,793. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN WHOLESALE CORPORATION (Baltimore Bargain House), Baltimore, Md. Filed July 10, 1923. Serial No. 183,018.

LENOX

Particular description of goods.—Toothbrushes.
Claims use since July 1, 1923.

189,794. (CLASS 32. FURNITURE AND UPHOLSTERY.) K. H. KIEFER, Baltimore, Md. Filed Sept. 8, 1923. Serial No. 185,523.

KOOLBAK

Particular description of goods.—Auxiliary Seat Backs.
Claims use since July 20, 1923.

189,795. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,586.

Hibbard

Particular description of goods.—Barn Paint, Iron Paint, Shingle Stain, Semipaste Paint, Auto Body Polish, Gold Enamel and Paint, Aluminum Enamel, Household Varnish, Bicycle Enamel.
Claims use since Jan. 15, 1923.

189,796. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,587.

Hibbard

Particular description of goods.—Ice Skates, Rackets, Croquet Sets, Children's Velocipedes, Bamboo Bait Rods, Bamboo Casting Rods, Split-Bamboo Fly Rods, Split-Bamboo Trunk Rods, Sunday Bait Rods, Snelled Hooks, Trout Flies, Fluted Trolling Bait, Coaster Wagons, and Children's Bicycles.
Claims use since Jan. 15, 1923.

189,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE D. E. CLEARY CO., Newark, N. J. Filed Oct. 18, 1923. Serial No. 187,151.

PAVONIA

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since about Sept. 25, 1898.

189,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS ROSENBLUM, Brooklyn, N. Y. Filed Nov. 16, 1923. Serial No. 188,438.



Particular description of goods.—Fresh Potatoes, Turnips, Cabbage, and Apples.
Claims use since Aug. 1, 1923.

189,799. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 4, 1923. Serial No. 189,201.



Particular description of goods.—Cotton Piece Goods.
Claims use for about five years.

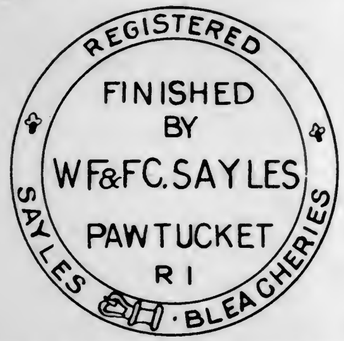
189,800. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923. Serial No. 189,523.



SAYLES BLEACHERY

Particular description of goods.—Cotton Piece Goods.
Claims use for over five years.

189,801. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923. Serial No. 189,525.



Particular description of goods.—Cotton Piece Goods.
Claims use for over five years.

189,802. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923. Serial No. 189,527.



SAYLES BLEACHERY

Particular description of goods.—Cotton Piece Goods.
Claims use for over five years.

189,803. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARBIS ZAKARIAN, New York, N. Y. Filed Dec. 17, 1923. Serial No. 189,829.

Garbis
Strength Mixture

Particular description of goods.—A Medicinal Preparation for the Treatment of Nervous Debility and Run-Down Condition, and for Use to Increase Red Blood Corpuscles, and to Freshen and Enliven the Complexion.
Claims use since May 1, 1922.

189,804. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CASSADAY GREY GRANITE COMPANY, Llano, Tex. Filed May 2, 1924. Serial No. 196,427.

CASSADAY GREY GRANITE

Particular description of goods.—Gray Granite Stone in the Form of Rough Quarry Blocks.
Claims use since June 1, 1920.

189,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN NUGGET SWEETS, San Francisco, Calif. Filed May 8, 1924. Serial No. 196,738.

Nutty-Fruit

Particular description of goods.—Candy.
Claims use since August, 1923.

189,806. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BON-LAC CORPORATION, Baltimore, Md. Filed May 19, 1924. Serial No. 197,250.

THE
BON-LAC
SHELLACS
CORPORATION

Particular description of goods.—Prepared Shellacs, Shellac Varnishes, and Spirit Varnishes.
Claims use since Dec. 1, 1922.

189,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY SCHOELLKOPF SONS, Chicago, Ill. Filed May 19, 1924. Serial No. 197,300.

DUTCH BRAND



Particular description of goods.—Malt Extract for Food Purposes.
Claims use since January, 1919.

189,808. (CLASS 7. CORDAGE.) MORICE TWINE MILLS CORPORATION, Wilmington, Del., and New York, N. Y. Filed July 16, 1924. Serial No. 200,113.

ROANOKE

Particular description of goods.—Twine.
Claims use since Jan. 1, 1923.

189,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARDO ANGEL, New York, N. Y. Filed Aug. 4, 1924. Serial No. 200,922.

BERNARDO ANGEL'S

Particular description of goods.—Coffee.
Claims use since January, 1908.

189,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARDO ANGEL, New York, N. Y. Filed Aug. 4, 1924. Serial No. 200,925.

ANGEL, LOPEZ & CO.

Particular description of goods.—Coffee.
Claims use since December, 1908.

189,811. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Aug. 5, 1924. Serial No. 200,980.

"CANADA DRY"

Particular description of goods.—Ginger Ale.
Claims use for not less than one year.

189,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Aug. 5, 1924. Serial No. 201,001.



Particular description of goods.—Wheat Flour.
Claims use since July 25, 1920.

INTERNATIONAL TRADE-MARK REGISTRATIONS

The following International Registration has been received from the Bureau at Habana and has been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

189,813. International Registration No. 1,000 of June 4, 1924. Registered in Cuba on March 27, 1915, No. 30,740. Proprietor: ARTURO C. BOSQUE. Address: Tejadillo 38, Habana, Cuba.



Merchandise to which the mark is affixed.—A Granulated and Sparkling Preparation of Pepsin and Rhubarb.

REISSUES

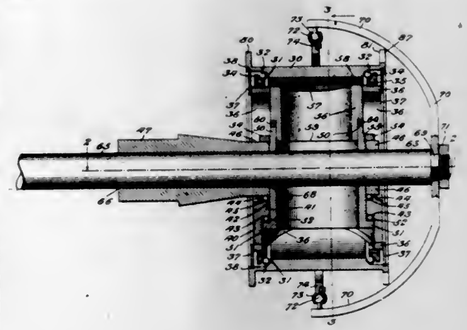
SEPTEMBER 23, 1924.

15,918. PEANUT BUTTER AND PROCESS OF MANUFACTURING SAME. JOSEPH LEWIS ROSENFIELD, Alameda, Calif. Filed June 23, 1923. Serial No. 647,879. Original No. 1,445,174, dated Feb. 13, 1923, Serial No. 458,643, filed Apr. 5, 1921. 10 Claims. (Cl. 99—11.)

1. The herein described process of manufacturing nut butter which comprises removing from the nut meat the major portion of the oil, forming the residue into a mass or cake and mixing the said cake or mass with a hydrogenated edible oil while still hot.

15,919. POWER TRANSMISSION FOR WHEELS. HARLEIGH R. HOLMES, Denver, Colo., assignor to Plains Motors Corporation, Denver, Colo. Filed Mar. 20, 1923. Serial No. 626,399. Original No. 1,377,131, dated May 3, 1921, Serial No. 325,476, filed Sept. 22, 1919. 30 Claims. (Cl. 180—48.)

1. A power transmission for vehicles including a shaft, a cylinder mounted thereon, a shell, means for connecting the shell with the cylinder, and a hub mounted upon the shell.



DESIGNS

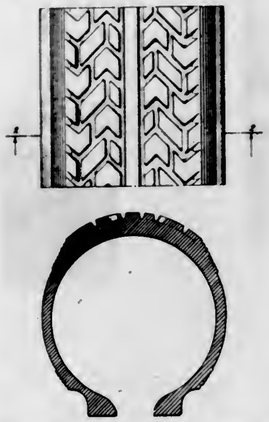
SEPTEMBER 23, 1924.

65,629. AMULET OR SIMILAR ARTICLE. JERROLD GAY BELCHER, Columbus, Ohio. Filed May 17, 1924. Serial No. 9,637. Term of patent 3½ years.



The ornamental design for an amulet or similar article as shown.

65,630. AUTOMOBILE TIRE. FREDERICK L. BRAENDER, Montclair, N. J. Filed Aug. 4, 1924. Serial No. 10,365. Term of patent 14 years.



The ornamental design for an automobile tire, as shown.

65,631. RING. ALBERT BROD, New York, N. Y. Filed July 26, 1924. Serial No. 10,265. Term of patent 3½ years.





The ornamental design for a ring, as shown.

65,632. RING. ALBERT BROD, New York, N. Y. Filed July 26, 1924. Serial No. 10,266. Term of patent 3½ years.





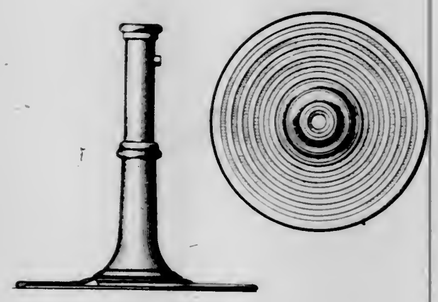
The ornamental design for a ring, as shown.

65,633. STATUETTE. JOSEPH CASTELLANA, New York, N. Y. Filed June 14, 1924. Serial No. 9,875. Term of patent 14 years.



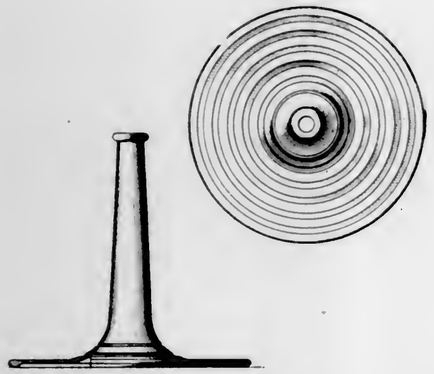
The ornamental design for a statuette as shown.

65,634. PEDESTAL. HANS CLEMENT, New York, N. Y., assignor to General Optical Company, a Corporation of New York. Filed Sept. 27, 1923. Serial No. 7,342. Term of patent 14 years.



The ornamental design for a pedestal, as shown.

65,635. PEDESTAL. HANS CLEMENT, New York, N. Y., assignor to General Optical Company, a Corporation of New York. Filed Sept. 27, 1923. Serial No. 7,343. Term of patent 14 years.



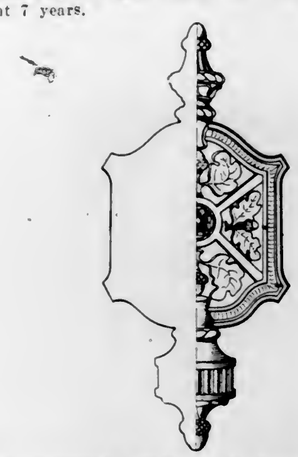
The ornamental design for a pedestal, as shown.

65,636. FOUNTAIN PEN. SAMUEL V. CORONA, Janesville, Wis. Filed Dec. 16, 1922. Serial No. 4,623. Term of patent 3½ years.



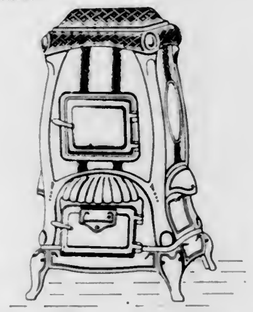
The ornamental design for a fountain pen as shown and described.

65,637. BACKPLATE FOR LIGHTING FIXTURES. LE ROY A. CRUMLEY, New York, N. Y., assignor to The Rogers Silver Plate Co., a Corporation of Connecticut. Filed July 28, 1924. Serial No. 10,273. Term of patent 7 years.



The ornamental design for a backplate for lighting fixtures substantially as shown and described.

65,638. COAL HEATER. LESLIE DANA, St. Louis, Mo. Filed July 24, 1924. Serial No. 10,248. Term of patent 14 years.



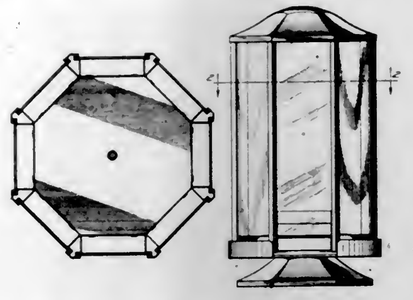
The ornamental design for a coal heater, as shown.

65,639. CRETONNE. ALFRED C. DODMAN, Jr., Summit, N. J., and CORA S. REIBER, New York, N. Y.; said Reiber assignor to said Dodman. Filed Mar. 26, 1924. Serial No. 9,069. Term of patent 14 years.



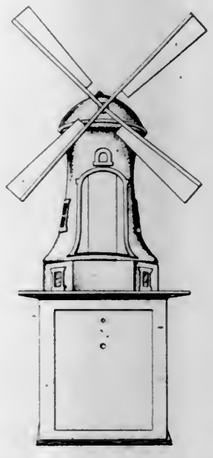
The ornamental design for cretonne, as shown.

65,640. ROTARY DISPLAY CASE. LEE F. DUFF and GEORGE LANGHANS, Los Angeles, Calif. Filed July 18, 1923. Serial No. 6,794. Term of patent 14 years.



The ornamental design for a rotary display case, as shown.

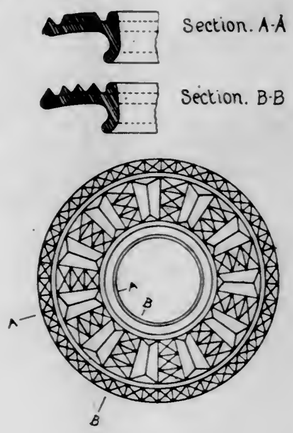
65,641. CASING FOR A FRUIT CRUSHING, DISPLAYING, AND DISPENSING DEVICE. JAMES FAZIO, Venice, Calif. Filed Dec. 12, 1923. Serial No. 8,003. Term of patent 7 years.





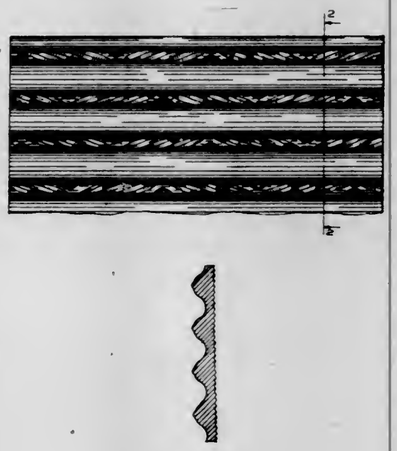
The ornamental design for a casing for a fruit crushing, displaying, and dispensing device, as shown.

65,642. GLASS REFLECTOR FOR ELECTRIC-LIGHT FIXTURES. SAMUEL ARDELL FORCEY, Du Bois, Pa. Filed May 20, 1924. Serial No. 9,666. Term of patent 3½ years.



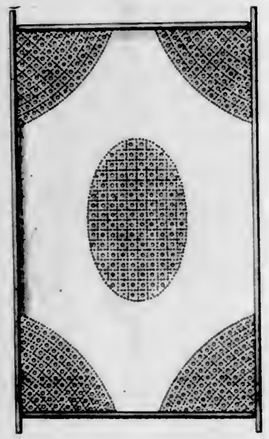
The ornamental design for a glass reflector for electric light fixtures, substantially as shown.

65,643. SHEET GLASS. HENRY J. GILBERT, Saginaw, Mich. Filed Feb. 12, 1923. Serial No. 5,153. Term of patent 14 years.



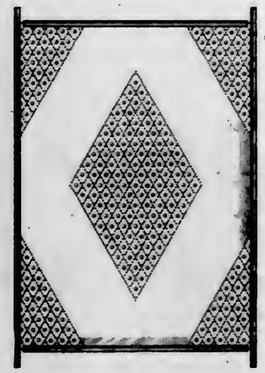
The ornamental design for sheet glass.

65,644. PANEL FOR BEDSTEAD ENDS. ANTONIO GOVERNALE, Brooklyn, N. Y. Filed May 14, 1923. Serial No. 6,159. Term of patent 3½ years.



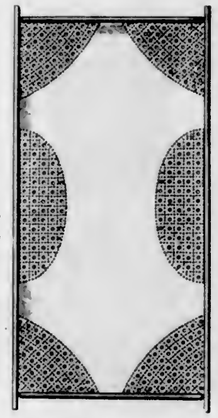
The ornamental design for a panel for bedstead ends as shown.

65,645. PANEL FOR BEDSTEAD ENDS. ANTONIO GOVERNALE, Brooklyn, N. Y. Filed May 14, 1923. Serial No. 6,162. Term of patent 3½ years.



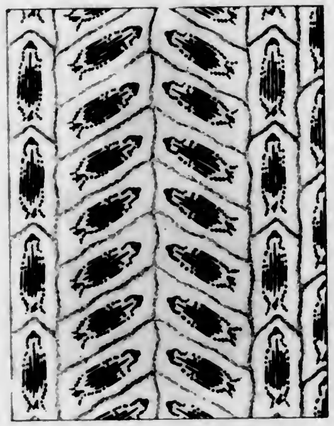
The ornamental design for a panel for bedstead ends as shown.

65,646. PANEL FOR BEDSTEAD ENDS. ANTONIO GOVERNALE, Brooklyn, N. Y. Filed June 1, 1923. Serial No. 6,372. Term of patent 3½ years.



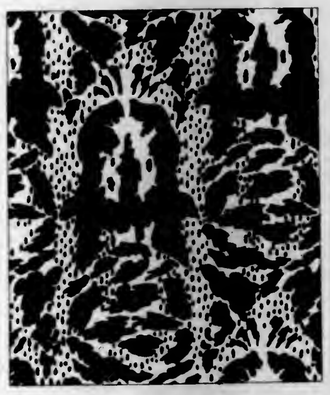
The ornamental design for a panel for bedstead ends as shown.

65,647. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 24, 1924. Serial No. 10,251. Term of patent 7 years.



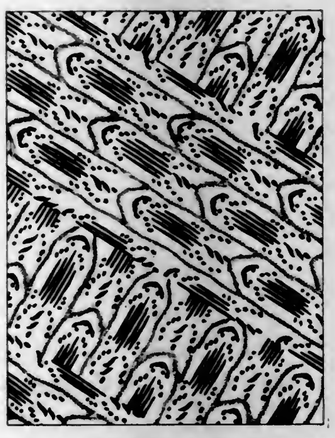
The ornamental design for a pile fabric, as shown.

65,648. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 29, 1924. Serial No. 10,314. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

65,649. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 4, 1924. Serial No. 10,368. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

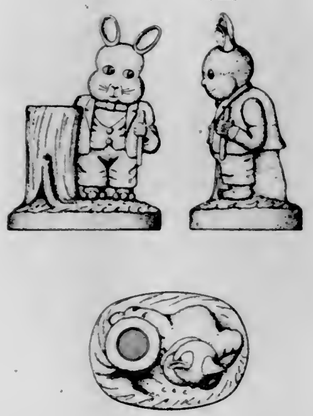
65,650. GEM SETTING. EDWARD J. GROSS, South Orange, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed May 9, 1924. Serial No. 9,536. Term of patent 7 years.





The ornamental design for a gem setting, as shown.

65,651. LAMP. ARCHIBALD B. HEATH, Lynbrook, N. Y. Filed July 1, 1924. Serial No. 10,024. Term of patent 14 years.



The ornamental design for a lamp, as shown.

65,652. LAMP. ARCHIBALD B. HEATH, Lynbrook, N. Y. Filed July 22, 1924. Serial No. 10,212. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

65,653. LAMP. ARCHIBALD B. HEATH, Lynbrook, N. Y. Filed July 22, 1924. Serial No. 10,213. Term of patent 3½ years.



The ornamental design for a lamp as shown.

65,654. ANIMAL DOLL. THEODORE F. KÖTTER, Hollis, N. Y., assignor to Ted Morton Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 5,309. Term of patent 3½ years.



The ornamental design for an animal doll as shown and described.

65,655. ANIMAL DOLL. THEODORE F. KOTTER, Hollis, N. Y., assignor to Ted Morton Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 5,310. Term of patent 3½ years.



The ornamental design for an animal doll as shown described above.

65,656. ANIMAL DOLL. THEODORE F. KOTTER, Hollis, N. Y., assignor to Ted Morton Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 5,311. Term of patent 3½ years.



The ornamental design for an animal doll as shown described above.

65,657. DOLL. THEODORE F. KOTTER, Hollis, N. Y. Filed Mar. 30, 1923. Serial No. 5,646. Term of patent 3½ years.



The ornamental design for a doll and shown and described.

65,658. RABBIT DOLL. THEODORE F. KOTTER, Hollis, N. Y. Filed Mar. 30, 1923. Serial No. 5,648. Term of patent 3½ years.



The ornamental design for a rabbit doll as shown and described.

65,659. LAMP. CLARENCE LAZETTE, Lake Worth, Fla. Filed May 27, 1924. Serial No. 9,719. Term of patent 14 years.



The ornamental design for a lamp, substantially as shown.

65,660. LIGHTING-FIXTURE BAND. EMORY S. LEWIS, Brooklyn, N. Y. Filed July 28, 1924. Serial No. 10,275. Term of patent 7 years.





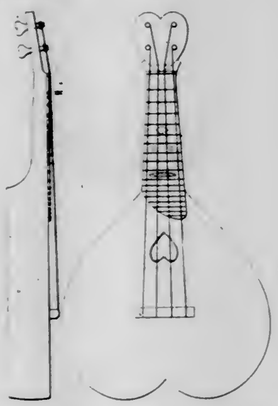
The ornamental design for a lighting fixture band substantially as shown.

65,661. BANK NOTE. ALFRED S. MAJOR, New York, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed July 10, 1924. Serial No. 10,103. Term of patent 14 years.



The ornamental design for a bank note, as shown.

65,662. UKULELE. EDWIN FRANK MATTAUSCH, Rosalia, Wash. Filed Apr. 2, 1923. Serial No. 5,660. Term of patent 3½ years.



An ornamental design for a ukulele, substantially as shown.

65,663. BIAS TRIMMING. JOSEPH PRICE MORRIS, Bridgeport, Conn., assignor to Bartons Bias Narrow Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 10, 1924. Serial No. 9,218. Term of patent 3½ years.



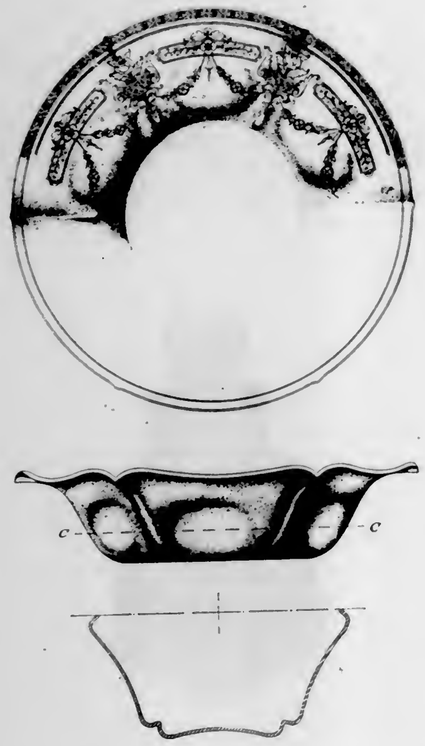
The ornamental design for bias trimming substantially as shown.

65,664. REAR-LAMP LENS. CHARLES H. MUCKENHIRN, Detroit, Mich. Filed July 9, 1923. Serial No. 6,733. Term of patent 7 years.



The ornamental design for the rear lamp lens as shown.

65,665. BOWL OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Feb. 13, 1923. Serial No. 5,162. Term of patent 7 years.



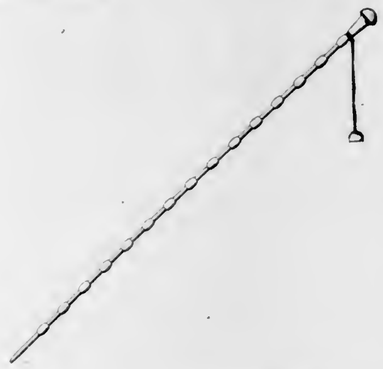
The ornamental design for a bowl or analogous article, substantially as shown and described.

65,666. PLATE OR ANALOGOUS ARTICLE. GEORGE FRANCIS PARKER, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed July 22, 1924. Serial No. 10,223. Term of patent 7 years.



The ornamental design for a plate or analogous article, substantially as shown and described.

65,667. CANE. CHARLES HAMILTON PAJEAU, Evanston, Ill. Filed May 24, 1924. Serial No. 9,704. Term of patent 3½ years.



The ornamental design for a cane, as shown.

65,668. PERFUME CONTAINER. LOUIS PARISET, New York, N. Y. Filed Apr. 17, 1924. Serial No. 9,305. Term of patent 3½ years.



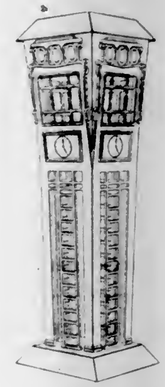
The design for a perfume container as shown.

65,669. PERFUME CONTAINER. LOUIS PARISET, New York, N. Y. Filed Apr. 17, 1924. Serial No. 9,306. Term of patent 3½ years.



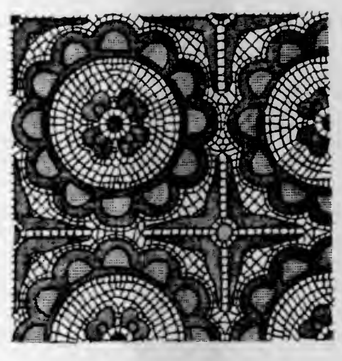
The design for a perfume container as shown.

65,670. TOY TRAFFIC TOWER. MAX PRESSNER, New York, N. Y. Filed May 13, 1924. Serial No. 9,575. Term of patent 3½ years.



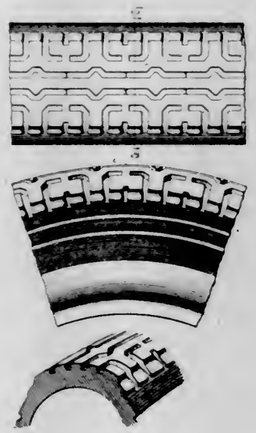
The ornamental design for a toy traffic tower, as shown.

65,671. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed June 3, 1924. Serial No. 9,782. Term of patent 14 years.



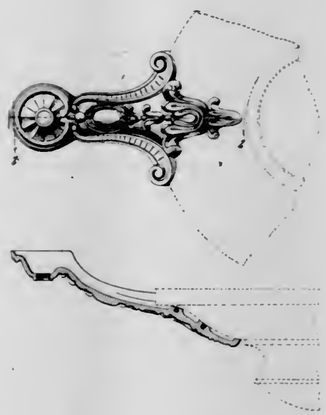
The ornamental design for lace as shown.

65,672. AUTOMOBILE TIRE. WALTER J. RENNICK, Millersburg, Ohio, assignor to The McKone Tire and Rubber Company, Millersburg, Ohio, a Corporation of Ohio. Filed June 12, 1924. Serial No. 9,866. Term of patent 7 years.



The ornamental design for an automobile tire as shown.

65,673. CHANDELIER BRACKET. CHARLES RICHTER, New York, N. Y. Filed Feb. 28, 1923. Serial No. 5,304. Term of patent 3½ years.



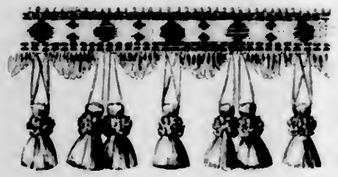
The ornamental design for a chandelier bracket, as shown.

65,674. LOUD SPEAKER. LEOPOLD ROSENSTOCK, New York, N. Y. Filed May 14, 1924. Serial No. 9,583. Term of patent 3½ years.



The ornamental design for a loud speaker as shown.

65,675. TASSEL FRINGE. GEORGE C. RUNGE, Chicago, Ill., assignor to E. L. Mansure Company, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1924. Serial No. 10,206. Term of patent 7 years.



The ornamental design for tassel fringe as shown.

65,676. LAMP PEDESTAL. MORRIS STEINBERG, Detroit, Mich. Filed Aug. 2, 1924. Serial No. 10,345. Term of patent 3½ years.



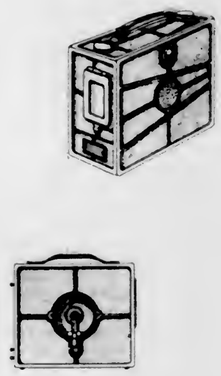
The ornamental design for a lamp pedestal, as shown.

65,677. CHARM. WILLIAM STERN, Seattle, Wash. Filed Apr. 12, 1923. Serial No. 5,789. Term of patent 7 years.



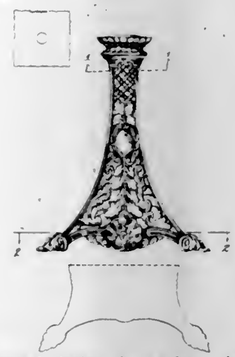
The ornamental design for a charm, as shown.

65,678. CAMERA CASING. JULIEN TESSIER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 4, 1923. Serial No. 6,053. Term of patent 14 years.



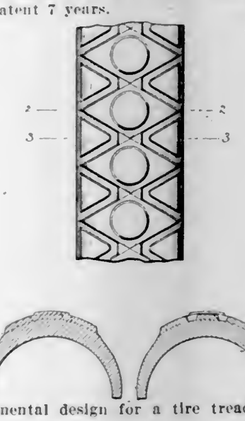
The ornamental design for a camera casing, as shown and described.

65,679. LAMP BASE OR SIMILAR ARTICLE. GUSTAVE E. VILLARET, New York, N. Y., assignor to William R. Noe & Sons, New York, N. Y., a Corporation of New York. Filed Nov. 14, 1923. Serial No. 7,765. Term of patent 7 years.



The ornamental design for a lamp base or similar article, as shown.

65,680. TIRE TREAD. PARK E. WELTON, Cuyahoga Falls, Ohio, assignor to The Tire Products Manufacturing Company, Salisbury, N. C., a Corporation of North Carolina. Filed Jan. 27, 1923. Serial No. 5,018. Term of patent 7 years.



The ornamental design for a tire tread substantially as shown.

65,681. POWDER BOX. JACQUES WORTH, Paris, France. Filed June 17, 1924. Serial No. 9,886. Term of patent 14 years.

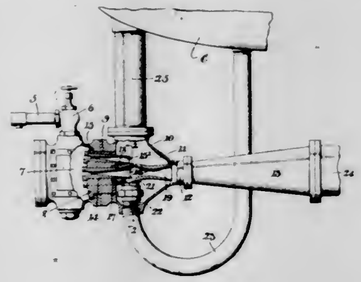


The ornamental design for a powder box, as shown.

PATENTS

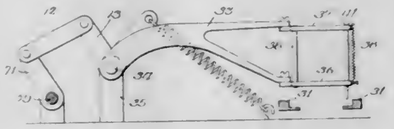
GRANTED SEPTEMBER 23, 1924.

1,509,090. PRESSURE PUMP. LEONARD E. ALLYN, West Mystic, Conn. Filed Feb. 9, 1923. Serial No. 618,034. 1 Claim. (Cl. 162—1.)



In a device of this character, the combination with a valve controlled motive pressure fluid supply, a valve chamber, an ejector chamber having an outlet and two inlets, a suction pipe connected to one inlet, a condensate pipe projecting into the ejector housing, a nozzle block at the junction between the nozzle chamber and the ejector chamber and provided with a concentric nozzle opening and a plurality of circumferential nozzle openings, the latter openings being in direct communication with the chamber of the ejector housing, a condensate nozzle provided with a main chamber in communication with the condensate pipe, and a propelling and suction nozzle in communication with the center nozzle of the block.

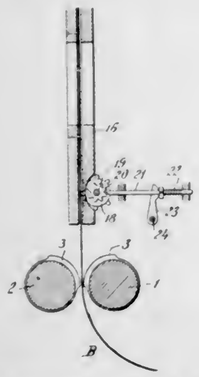
1,509,091. SELECTOR MECHANISM FOR ADDRESSING MACHINES. RAY C. ANDERSON and PAUL A. GOLLNICK, Chicago, Ill., assignors to Spiegel May Stern Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1924. Serial No. 686,767. 4 Claims. (Cl. 101—48.)



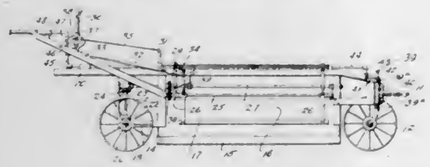
1. In an addressing machine, selector mechanism comprising a pivotally mounted selector arm, a plate rigidly secured to the arm, a second plate spaced from the first mentioned plate and rigidly secured to the arm, a pin slidably journaled in the plates, and a spring for holding the pin in an extended position with respect to the plates.

1,509,092. INTERMITTENT-DRIVING MEANS IN CINEMATOGRAPHIC APPARATUS. CARLOS ANSELMI and MARCELINO VITERBO, Buenos Aires, Argentina. Filed May 7, 1921. Serial No. 467,538. 5 Claims. (Cl. 88—18.5.)

1. A moving picture projection apparatus comprising a film feed mechanism and a projector aperture, means for moving the picture bearing film intermittently past the projector aperture, said intermittent driving means comprising a pair of rollers arranged with their axes in substantial parallelism, means for driving the rollers in opposite directions and synchronously with the film feed mechanism, a protruding portion provided on each cylinder of periphery substantially equal to the length of a picture on the film, said protruding portions engaging the film between them during each revolution of the rollers and thereby advancing the film a distance equal to the length of a single picture, means for effecting a relative angular displacement of said feed rollers thereby varying the time of contact between said protruding portions and correspondingly varying the amount or distance the film moves at each revolution of the rollers and a resilient mounting for the axle of one of said rollers whereby a yielding pressure is secured between the rollers during the period of advancing of the film.



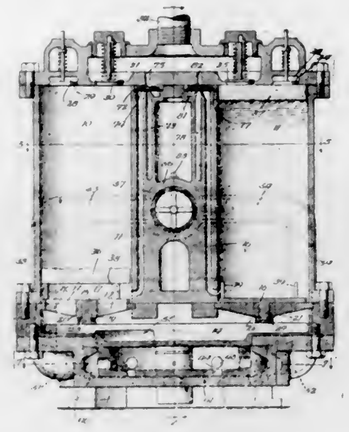
1,509,093. INSECT-DESTROYING MACHINE. ALLEN EARL BABCOCK, Exeland, Wis. Filed June 13, 1922. Serial No. 567,987. 4 Claims. (Cl. 43—142.)



4. A machine for the purpose indicated including a wheel supported central longitudinal draft beam, a pivot rod extending longitudinally of and supported beneath the said beam, arms connected to said rod, a reel carried by the arms, a counter shaft supported beneath the beam in aligned position to the rod, means for operating said counter shaft, and means for operating the said reel.

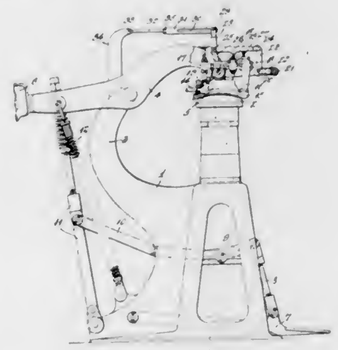
1,509,094. HYDRAULIC AIR COMPRESSOR. MARTEN BALCKER, Chicago, Ill. Filed June 15, 1923. Serial No. 645,486. 36 Claims. (Cl. 230—16.)

1. A compressor embodying a plurality of compressing chambers each having a fluid inlet and an outlet for compressed fluid, means for delivering a liquid into the chambers for compressing the fluid, the said means including



an impeller for creating a pressure upon the liquid, and means operating automatically to cause the liquid to compress the fluid in the said chambers alternately.

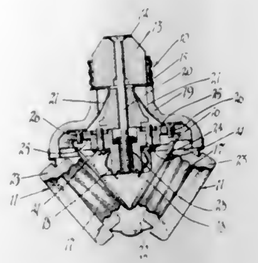
1,509,095. STEAMING DEVICE FOR GARMENT PRESSES. DANA H. BENJAMIN, Cleveland Heights, Ohio, assignor, by mesne assignments, to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1918. Serial No. 228,009. Renewed Feb. 13, 1922. Serial No. 536,373. 11 Claims. (Cl. 68—9.)



1. A garment press, comprising relatively movable pressing members, means arranged when operated to supply steam to a garment between said members, and means arranged to prevent operation of said steaming means when said members are in pressing relation.

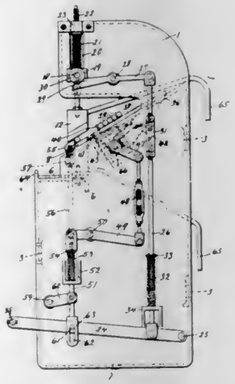
1,509,096. PLUG CLUSTER. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1920. Serial No. 400,062. 5 Claims. (Cl. 173—336.)

1. A pull switch plug cluster comprising a plug portion, a receptacle sub-assembly, an insulating petticoat and a metal bowl shaped housing member, said receptacle sub-assembly comprising an insulating base, with receptacle contacts and pull switch mechanism mounted



thereon, said petticoat and bowl shaped housing member being combined to form an enclosing housing for said sub-assembly.

1,509,097. ELECTRIC HEATER. WALLACE J. BISSET, Bloomsburg, and MORRIS S. EVANS, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 19, 1922. Serial No. 569,237. 11 Claims. (Cl. 219—13.)

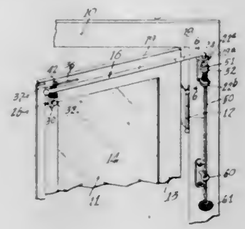


1. In an electric heater, normally fixed electrodes adapted to complete a circuit upon engagement by the stock, movable electrodes cooperating with said fixed electrodes and adapted to complete a second circuit upon engagement with the work and means adapted to operate said movable electrodes to make and break said second circuit.

1,509,098. CURTAIN HANGER FOR CASEMENT WINDOWS. MONROE N. CALLENDER, Los Angeles, Calif. Filed Nov. 22, 1921. Serial No. 516,948. Renewed Aug. 5, 1924. 14 Claims. (Cl. 156—22.)

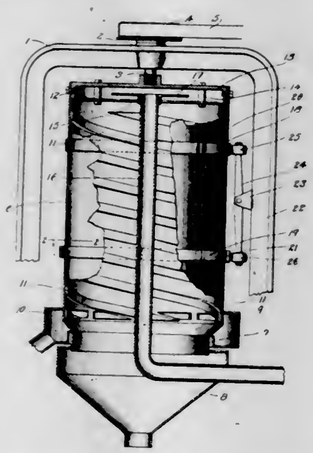
8. A curtain hanger adapted to be used in combination with a casing and a window pivotally mounted in the casing including a bracket mounted on the window, a member adjustably carried by said bracket, a spring clip carried by said member, a bracket mounted on the casing, said last mentioned bracket having a vertical opening, a curtain carrying rod, an arm connected to one end of the rod so that it is spaced from and extends parallel to the rod, the arm being slidably frictionally gripped by the clip, a projection at the other end of the rod extending downwardly through the opening in the last mentioned bracket, a plate mounted on the projection so that it faces downwardly, a vertically disposed operating rod

carried by said last mentioned bracket below the projection and so that it is movable longitudinally only, a plate mounted on the upper end of the operating rod, and a



spring arranged to normally hold the operating rod up so that the plate carried by it bears against the plate carried by the projection.

1,509,099. VIBRATING CONCENTRATOR. WILLIAM C. COLEMAN, Wichita, Kans. Filed Oct. 10, 1923. Serial No. 667,652. 3 Claims. (Cl. 233—5.)



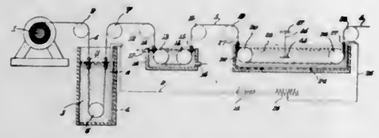
3. A concentrator comprising a vertical rotor, rings about the rotor, tappets on the ring, a vertical lever pivoted intermediate its ends and hammers on the respective ends of the levers engageable by the tappets whereby the ends of the lever will strike against the rotor when actuated by the tappets.

1,509,100. PHONOGRAPH TONE ARM. ROLAND B. DALEY, Chicago, Ill. Filed June 5, 1922. Serial No. 565,949. 8 Claims. (Cl. 274—24.)



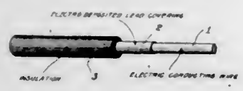
1. In a phonograph, a reproducer having a sound exit stem extending at an acute angle to the plane of the diaphragm of the reproducer, a tone arm elbow, and an extension to the elbow, one end of which communicates with and is rotatable with respect to said elbow, the other end of which communicates with and is rotatable with respect to the exit stem of the reproducer.

1,509,101. PROCESS AND APPARATUS FOR COATING WIRE. ALAN STANDISH DANA, Seymour, Conn., assignor to The Kerite Insulated Wire and Cable Company, a Corporation of Connecticut. Filed Jan. 26, 1920. Serial No. 354,088. 16 Claims. (Cl. 204—11.)



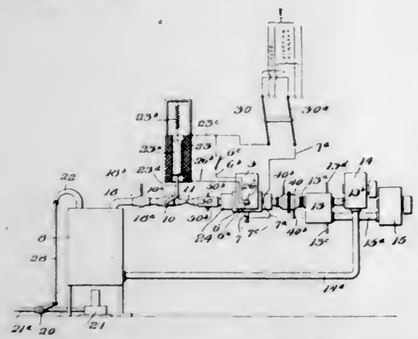
1. The process of coating wire which consists in drawing the wire continuously through a caustic alkali cleaning bath and thereafter without stopping, through an electrolytic bath depositing a lead coating on the wire.

1,509,102. ELECTRICAL CONDUCTOR. ALAN STANDISH DANA, Seymour, Conn., assignor to The Kerite Insulated Wire and Cable Company, a Corporation of Connecticut. Filed Jan. 26, 1920. Serial No. 354,089. 12 Claims. (Cl. 173—264.)



1. An electric conductor comprising a copper wire, having a thin covering of lead electro-deposited thereon, the lead being coherent and adherent to the copper, and an insulating covering surrounding the lead covered wire.

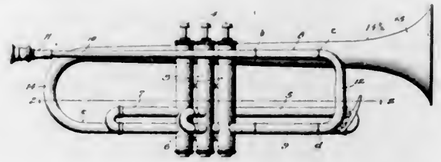
1,509,103. VAPOR DYNAMO-ELECTRIC MACHINE. WILLIAM ST. GEORGE ELLIOTT, Jr., New York, N. Y. Filed Dec. 14, 1920. Serial No. 430,667. 12 Claims. (Cl. 171—212.)



1. The herein described method of producing electricity from heat, which consists in generating a vapor in a closed circuit by the external application of heat to a portion of the circuit; passing the vapor so generated through a magnetic field, where a difference of potential in the vapor is obtained and utilized to form a useful current; and then cooling the vapor into a liquid form and returning it to the heated portion of circuit to be used over again.

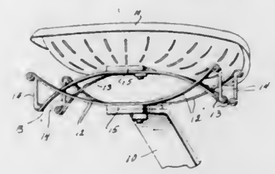
1,509,104. SOLO TRUMPET. ROSS HICKERNELL, Warren, Ohio. Filed May 24, 1922. Serial No. 563,361. 3 Claims. (Cl. 84—387.)

1. A solo trumpet, comprising a small mouth-pipe progressively increasing in diameter at the ratio of three to four in a length of nine inches, intermediate mechanism for controlling the length of the vibrating air column, having valve-controlled crook-tubes of uniform diameter, a U-tube of progressively increasing diameter interposed between the mouth-pipe and said intermediate mechanism, and a bell-tube connected to said intermediate



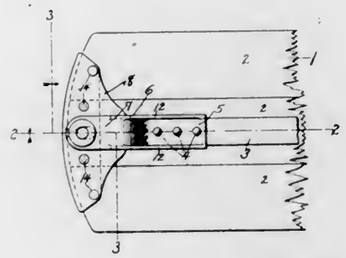
mechanism and terminating in a large bell, said bell-tube having a curved end portion and a straight portion terminating in the bell, the straight portion being graduated at the ratio of one to two in a length of twelve inches.

1,509,105. SEAT MOUNTING. GEORGE J. KRUM, Old Chatham, N. Y. Filed Nov. 7, 1923. Serial No. 673,397. 3 Claims. (Cl. 155—51.)



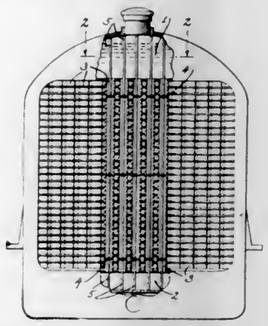
1. In a seat mounting for the seats of agricultural machines and in combination with the usual seat and standard therefor, a mounting comprising two pairs of semi-elliptical springs, the springs of one pair being reversed as regards the springs of the other pair, a connection between the springs of one pair affording a means of attachment for the seat, a connection between the springs of the other pair affording a means of attachment to the seat standard, and shackles connecting the corresponding ends of the springs of the pairs permitting transverse oscillation of the upper pair of springs with relation to the lower pair of springs but preventing longitudinal movement thereof.

1,509,106. DRAWBAR AND BUMPER. RICHARD A. LOCKARD, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1922. Serial No. 558,064. 5 Claims. (Cl. 23—220.)



1. The combination of a car floor comprising boards extending longitudinally from end to end of the car, channel-shaped buffer means having a tapered upper flange embracing the ends of a plurality of said boards, draft means spaced from said buffer means and formed integral with said buffer means and a drawbar connected to said means.

1,509,107. NONBURST RADIATOR. JOHN C. MAXWELL, Moody, Ind. Filed Feb. 10, 1923. Serial No. 618,250. 2 Claims. (Cl. 257—125.)



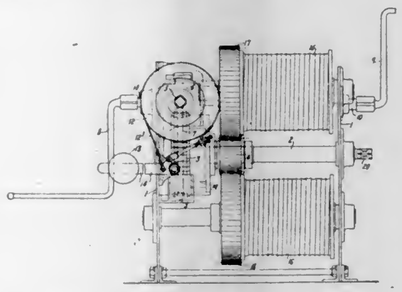
1. A radiator of the class described comprising top and bottom chambers, vertical radiator tubes therebetween, wooden cores in said tubes and spaced from the inner walls thereof, said cores extending from the extreme bottom of said chamber to the extreme top of said top chamber.

1,509,108. CARLINE CONSTRUCTION. ROY C. MUNRO, Chicago, Ill., assignor to Chicago Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 24, 1920. Serial No. 376,183. 2 Claims. (Cl. 108—5.6.)



1. A carline construction for freight car roofs and the like, embodying side plates respectively extending along opposite sides of the car, brackets hung from and secured to said side plates, said brackets being constituted of sheet metal and respectively bent to provide depending vertical flanges resting against the inner faces of the side plates, said vertical flanges being extended inwardly to form shelves, a carline having its horizontal portion secured at its ends to said shelves, and angle plates separate from said bracket members connecting and securing the vertical portions at the ends of the carline to the vertical flanges of said brackets, substantially as specified.

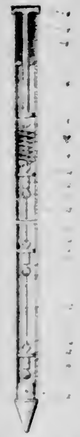
1,509,109. WINCH. COLIN DONALD MCLACHLAN, Glasgow, Scotland. Filed Feb. 29, 1924. Serial No. 695,923. 1 Claim. (Cl. 254—184.)



In a winch, in combination, a worm-wheel shaft, a worm-wheel loose on said shaft and a spur-wheel fixed on said shaft, a worm-shaft, a worm on said worm-shaft engaging said worm-wheel, a combined flywheel and

brake drum on said worm-shaft, a manually controllable brake engageable with said drum, winch drums, spur wheels on said winch drums meshing with said first-mentioned spur-wheel, and a pawl-and-ratchet mechanism between said worm-wheel shaft and said worm-wheel permitting rotation of said worm-wheel shaft in one circular direction without rotation of said worm-wheel, the transmission comprising said worm and worm-wheel being non-reactive, for the purpose specified.

1,509,110. SIGNAL. THOMAS IRVING POTTER, East Orange, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed May 26, 1922. Serial No. 563,916. 7 Claims. (Cl. 116—114.)



2. A device of the character described comprising an elongated signal casing of heat conducting material adapted to be inserted in a coal pile, a signal rod having limited longitudinal movement in the outer end of the casing, means carried by the rod for closing the outer end of the casing, a spring urging said rod outwardly, a chain anchored in the casing and retaining said rod in retracted position against the action of the spring, said chain including a plurality of fusible links, and means associated with the links for limiting the circulation of air in the casing, said means comprising packing rings carried by said links and tightly fitting the interior of the casing.

1,509,111. SEAM. ROGER N. SALEEBY, Brooklyn, N. Y. Filed June 21, 1922. Serial No. 569,917. 1 Claim. (Cl. 112—269.)

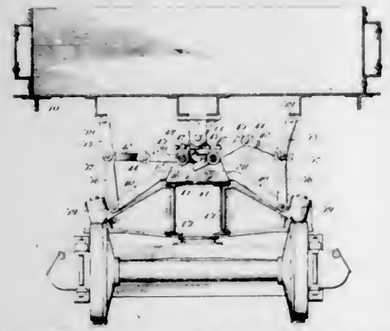


The method of attaching a raw edging or strip of lace to the raw edge of a piece of fabric which consists in superposing said elements with the raw edge of the fabric projecting beyond said edge of lace a distance substantially greater than the thickness of the lace, and forming a seam by interlinking a pair of threads at a point beyond the edge of said fabric and alternately stitching through said superposed fabrics with one of the interlinked threads sufficiently taut to draw the projecting edge of the fabric inward to overlap and enclose the joined edge of the lace.

1,509,112. PROCESS FOR THE MANUFACTURE OF INKING SURFACES. ETIENNE SABBOT, FERNAND BOULLE, SEGOND MORDACI, and EMILIEN COMMENGE, Marseille, France. Filed Sept. 14, 1922. Serial No. 588,174. 1 Claim. (Cl. 41—25.)

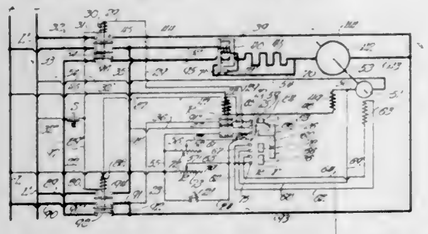
The process of manufacturing a rubber inking surface which consists in pressing a sheet of lead against a stereotype or its equivalent containing the matter to be printed to form a mold, covering the mold with a thin uniform layer of natron silicate placing thereon a sheet of unvulcanized rubber with a paper band on the back of the same pressing the rubber into the mold and vulcanizing the same.

1,509,113. DUMP CAR. JOSEPH H. SLAKER, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 8, 1923. Serial No. 661,608. 5 Claims. (Cl. 105—271.)



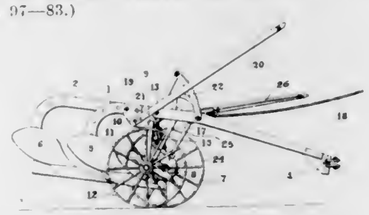
3. A dump car comprising in combination a car bed, a support therefor with which said bed is pivotally connected to adapt it for tilting in opposite directions alternatively, two parallel rock-shafts beneath said bed, two laterally-movable struts arranged respectively beneath and adjacent to opposite sides of the bed, a bar pivotally connected with each strut and pivoted on one of said rock-shafts, each bar comprising two members pivoted together and the inner member of each having an end portion projecting toward the other one of said rock-shafts, an arm non-rotatably mounted on each rock-shaft and lying over and adapted to be brought in contact with the said projecting end portion of the inner member of the bar mounted on the other rock-shaft, and means for rocking either of said rock-shafts.

1,509,114. CONTROL SYSTEM FOR ELECTRIC MOTORS. LEIGH J. STEPHENSON, Chicago, Ill., assignor to B. V. Becker, Leigh J. Stephenson, George B. Burrage, William T. Fenton, and Lynn A. Williams, trustees, all of Chicago, Ill. Filed July 20, 1921. Serial No. 486,244. 6 Claims. (Cl. 172—240.)



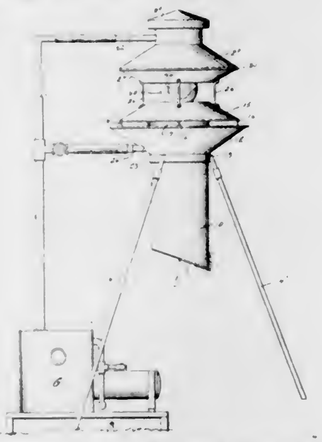
1. The combination with a machine, of a motor connected to drive said machine, a shunt field winding for said motor, a regulating dynamo connected in series with said shunt field winding to form a field winding circuit, means for impressing an electromotive force upon said field winding circuit, a field winding for said regulating dynamo, and controlling means operated by an element of said machine for reversing the direction of current through the field winding of said regulating dynamo, and for subsequently reversing the direction of current through the armature of said motor.

1,509,115. WHEEL PLOW. CARL G. STRANDLUND, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 8, 1918. Serial No. 248,993. Renewed Apr. 14, 1923. 17 Claims. (Cl. 97—83.)



1. In a wheeled plow, the combination of a frame carrying one or more plow bodies, a support therefor comprising a transverse axle having a land wheel and a furrow wheel mounted thereon and adapted to be rocked to move the wheels simultaneously forwardly or rearwardly to lower or raise the plow, means operable at will to raise the plow by traction power of one of said wheels, and means to adjust the frame to parallelism with the ground at any point in the operation of raising or lowering and irrespective of the plow raising or lowering movement of the wheels.

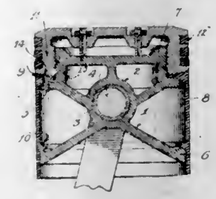
1,509,116. INSECT DESTROYER. JAMES R. THOMAS and JAMES L. FLOYD, Kenton, Tenn. Filed Sept. 19, 1923. Serial No. 663,628. 4 Claims. (Cl. 43—113.)



1. A device for destroying insects including a drum, means for supporting the drum in an elevated position, a frusto-conical flange upon the upper end of the drum, opposed spaced frusto-conical reflector flanges supported from the flange of the drum and of less size than the flange of the drum, a ring burner arranged within the lower reflector flange, an illuminating element arranged intermediate the reflector flanges, and means for directing flame from the burner upwardly about the illuminating element.

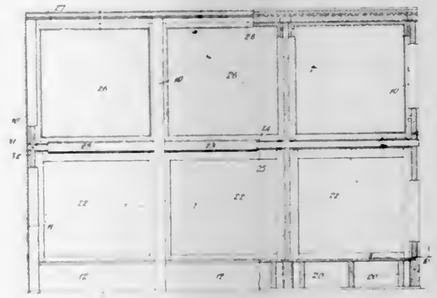
1,509,117. PISTON FOR COMBUSTION ENGINES. WILLIAM H. THOMSON, Peoria, Ill. Filed Oct. 3, 1921. Serial No. 504,949. 14 Claims. (Cl. 74—108.)

1. In a piston, a body-portion having two annular beveled faces spaced from one another longitudinally thereof, an expansible skirt portion having interior faces adapted to engage the beveled faces, and a portion adapted to engage the skirt the same being adjustable relative



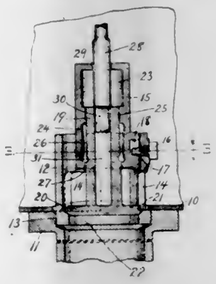
to said skirt and the body, adapted to force the skirt upon the beveled faces of the body for expanding said skirt.

1,509,118. PARTITION. HERMAN TORJESEN, Brooklyn, N. Y. Filed May 27, 1921. Serial No. 473,013. Renewed Feb. 23, 1924. 4 Claims. (Cl. 20—4.)



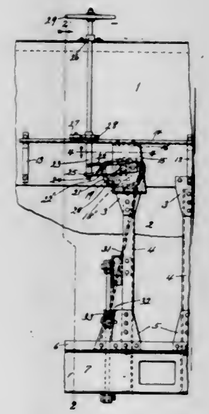
1. In a partition stiles and panels, a tubular rail provided with upper and lower grooves to receive lower and upper edges of said panels respectively and a locking strip adapted to be passed through the said tubular rail and a lever bit, one end being adapted to be embedded in said locking strip, and the other end adapted to be secured to a stile.

1,509,119. TANK-DISCHARGE-VALVE MECHANISM. VICTOR R. WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 26, 1921. Serial No. 439,917. 8 Claims. (Cl. 137—21.)



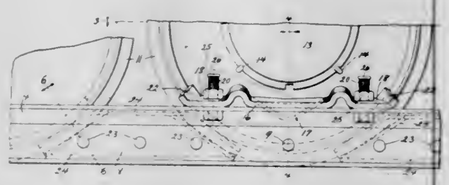
8. In combination, a discharge outlet, a tubular valve housing having a valve seat mounted in said outlet, a valve adapted to engage said seat and a tubular valve locking means having a connection with said housing permitting a predetermined rotation of said valve on said seat.

1,509,120. CAM SHEAVE AND SUPPORT FOR BRAKES. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 17, 1924. Serial No. 686,782. 10 Claims. (Cl. 74—110.)



1. In a car, a brake step, a power multiplying device operatively connected to the brake lever, means connecting said power multiplying device and said brake step, a brake mast and a brake mast step carried by said connecting means.

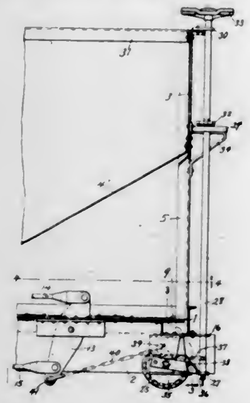
1,509,121. MULTIPLE-UNIT TANK CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1924. Serial No. 689,807. 12 Claims. (Cl. 105—360.)



1. A multiple unit tank car comprising a floor, spaced longitudinal members secured to said floor, tank units carried by said floor between said longitudinal members and securing members carried by said longitudinal members and adapted to exert a wedging action on the ends of said tank units.

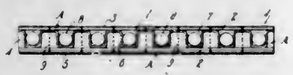
1,509,122. CAM BRAKE SHEAVE AND SUPPORT. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1924. Serial No. 689,898. 6 Claims. (Cl. 254—149.)

1. In a car having center and end sills, a car brake comprising a cam brake sheave operatively connected to the brake lever, an inverted U-shaped member supporting said cam brake sheave and having a projection connected



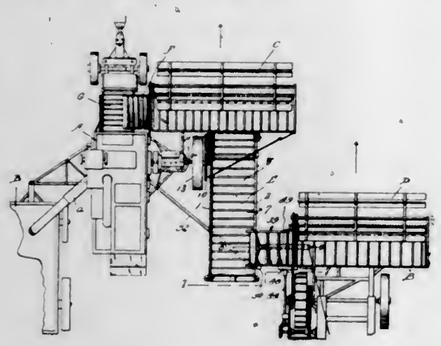
to said center sill and supporting means for said U-shaped member supported from said center and end sills.

1,509,123. SAFETY PACKAGE. JOHN L. BINDER, Barnesboro, Pa. Filed July 10, 1923. Serial No. 650,639. 1 Claim. (Cl. 206—3.)



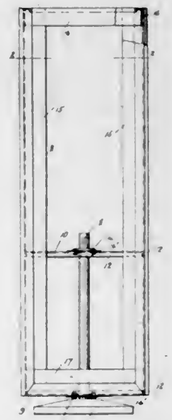
A package of the character described, comprising suitable side walls composed of flat stiff sheets of material, of a continuous corrugated strip disposed between said side walls and bent to engage each wall and provide a series of cushioned pockets between said walls, and a plurality of spaced rows of perforations extending through said side walls and said continuous corrugated strip to permit individual pockets to be removed from said package successively.

1,509,124. TRAILER FEEDER ATTACHMENT FOR COMBINED HARVESTER THRASHERS. FRANK BLOOR, Buckin, Kans. Filed Nov. 25, 1922. Serial No. 603,176. 2 Claims. (Cl. 56—6.)



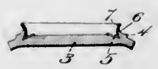
1. In combination, a combined harvester and thrasher, a header positioned at the rear under one side of the harvester and movable therewith for harvesting co-operation, and a feeder attachment on the harvester for feeding the material from the header thereto, said attachment having a frame pivotally connected to the harvester frame, said harvester having an apron on the rear side thereof formed with an opening, a conveyer mounted for movement in the frame to convey material from the header to the harvester and discharge the same thereto through said opening, supporting means for the rear end of the frame of said feeder, and a compresser mounted on said frame and movable relative to the conveyer therein, said compresser projecting through the opening in the apron of said harvester for assisting the feeding of the material from the conveyer in the frame through said opening onto the harvester.

1,509,125. DISPLAY RACK. EDWARD A. BURBANK, Boston, Mass. Filed Apr. 15, 1922. Serial No. 552,826. 1 Claim. (Cl. 40—68.)



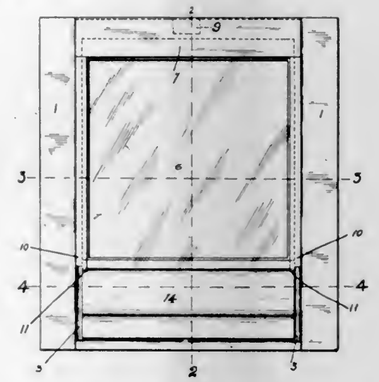
In a display rack, a skeleton frame formed of a series of similar vertical panels secured edge to edge and arranged around a common axis, each panel comprising side bars, a top bar and a bottom bar secured together in rectangular form and having an open space between them, all of said bars being hook-shaped in cross-section and the hook of the top bar being arranged to project inwardly and in the reverse direction from the hooks of the side and bottom bars which form a channel for a card, a horizontal plate secured at the bottom ends of the panels, a horizontal plate secured to the panels intermediate of their ends, each horizontal plate being provided with a bearing at the axis of the frame, and a supporting base and axial spindle upon which the said bearings are journaled.

1,509,126. TURN SHOE. JAMES CAVANAGH, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 8, 1919. Serial No. 316,226. 2 Claims. (Cl. 36—22.)



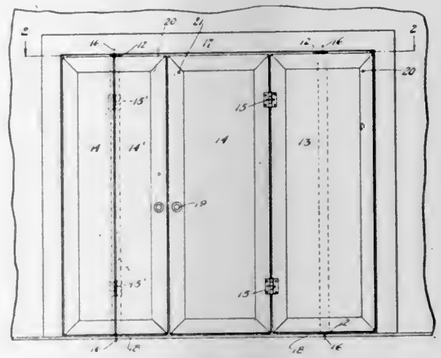
1. A turn shoe comprising, in combination, an upper and a single sole which has been sewed thereto with the sole and upper wrong side out and then turned right side out, the grain face of the sole being outward in the finished shoe and the flesh face being prepared with a continuous sewing-rib to receive the seam securing the upper and sole together and being provided with a continuous reinforce cemented within the inner angle between the sewing-rib and the flesh face of the sole to receive the stitches of the seam and prevent them from pulling through the sewing-rib when the shoe is turned, the foot-engaging part of the flesh surface of the sole being free from the reinforce to preserve its flexibility and prevent impairment of the appearance of the inside of the shoe.

1,509,127. CABINET. ERIC MICHAEL DE SHERBININ, Toronto, Ontario, Canada, assignor, by mesne assignments, to Paragon Dishwasher Syndicate Incorporated, a Corporation of New York. Filed June 25, 1923. Serial No. 647,707. 6 Claims. (Cl. 20—35.)



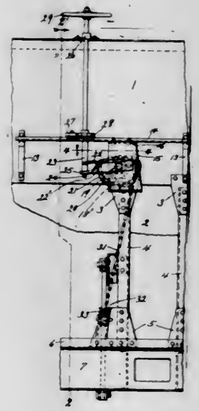
1. In a cabinet, a sliding sash door comprising two spaced vertical members each having a double rabbet adjacent to and parallel with its inner edge, two spaced horizontal members located one at the top and the other near the bottom of, and integral with, the vertical members and in the same plane as the vertical surfaces of the inner rabbets, a rabbet at the bottom of the lower one of the horizontal members extending to, and in the same plane as the bottom of the vertical members, a panel contacting the surfaces of the inner rabbets and the surfaces of the horizontal members adjacent to their inner edges, panel holding members secured in the outer rabbets overlying the side edges of the panel and having panel supports at their lower ends engaging the bottom edge of the panel, and a cross piece, contacting the inner surfaces of the outer rabbets, extending between the vertical members and covering the top edge of the panel.

1,509,128. DOOR FOR IN-A-CLOSET BEDS. ROSS J. ELLSWORTH, Chicago, Ill. Filed Sept. 30, 1922. Serial No. 591,629. 9 Claims. (Cl. 20—1.11.)



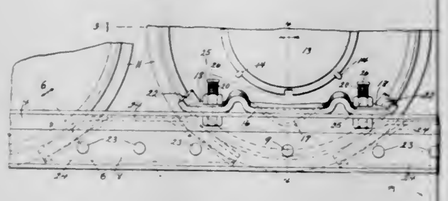
1. A plurality of sets of similar doors mounted in the opening between a chamber and an annexed closet, an article mounted on each set of doors, hinge means to fold each set together to the width of a single door, pivot means to rotate each set on an intermediate axis within said opening and swing the article through an intermediate part of said opening, and a narrow door provided in one of said doors.

1,509,120. CAM SHEAVE AND SUPPORT FOR BRAKES. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 17, 1924. Serial No. 686,782. 10 Claims. (Cl. 74—110.)



1. In a car, a brake step, a power multiplying device operatively connected to the brake lever, means connecting said power multiplying device and said brake step, a brake mast and a brake mast step carried by said connecting means.

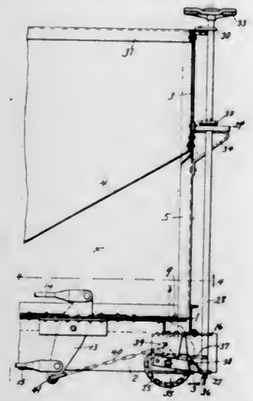
1,509,121. MULTIPLE-UNIT TANK CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1924. Serial No. 689,897. 12 Claims. (Cl. 105—360.)



1. A multiple unit tank car comprising a floor, spaced longitudinal members secured to said floor, tank units carried by said floor between said longitudinal members and securing members carried by said longitudinal members and adapted to exert a wedging action on the ends of said tank units.

1,509,122. CAM-BRAKE SHEAVE AND SUPPORT. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 1, 1924. Serial No. 689,898. 6 Claims. (Cl. 254—149.)

1. In a car having center and end sills, a car brake comprising a cam brake sheave operatively connected to the brake lever, an inverted U-shaped member supporting said cam brake sheave and having a projection connected



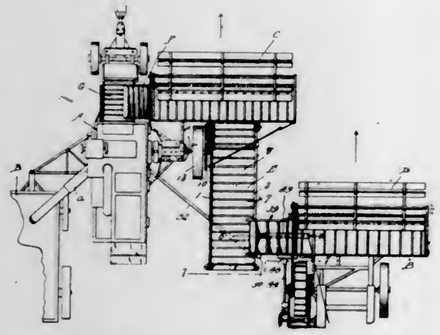
to said center sill and supporting means for said U-shaped member supported from said center and end sills.

1,509,123. SAFETY PACKAGE. JOHN L. BINDER, Barnesboro, Pa. Filed July 10, 1923. Serial No. 650,639. 1 Claim. (Cl. 206—3.)



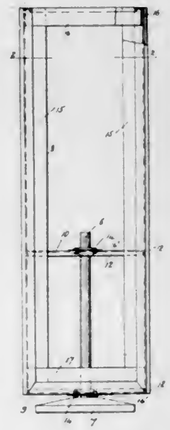
A package of the character described, comprising suitable side walls composed of flat stiff sheets of material, of a continuous corrugated strip disposed between said side walls and bent to engage each wall and provide a series of cushioned pockets between said walls, and a plurality of spaced rows of perforations extending through said side walls and said continuous corrugated strip to permit individual pockets to be removed from said package successively.

1,509,124. TRAILER FEEDER ATTACHMENT FOR COMBINED HARVESTER THRASHERS. FRANK BLOOR, Bucklin, Kans. Filed Nov. 25, 1922. Serial No. 603,176. 2 Claims. (Cl. 56—6.)



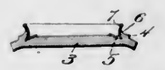
1. In combination, a combined harvester and thrasher, a header positioned at the rear under one side of the harvester and movable therewith for harvesting co-operation, and a feeder attachment on the harvester for feeding the material from the header thereto, said attachment having a frame pivotally connected to the harvester frame, said harvester having an apron on the rear side thereof formed with an opening, a conveyer mounted for movement in the frame to convey material from the header to the harvester and discharge the same thereto through said opening, supporting means for the rear end of the frame of said feeder, and a compresser mounted on said frame and movable relative to the conveyer therein, said compresser projecting through the opening in the apron of said harvester for assisting the feeding of the material from the conveyer in the frame through said opening onto the harvester.

1,509,125. DISPLAY RACK. EDWARD A. BURBANK, Boston, Mass. Filed Apr. 15, 1922. Serial No. 552,836. 1 Claim. (Cl. 40—68.)



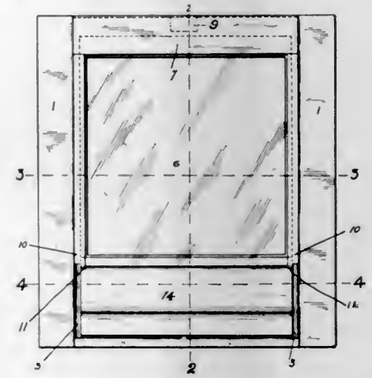
In a display rack, a skeleton frame formed of a series of similar vertical panels secured edge to edge and arranged around a common axis, each panel comprising side bars, a top bar and a bottom bar secured together in rectangular form and having an open space between them, all of said bars being hook-shaped in cross-section and the hook of the top bar being arranged to project inwardly and in the reverse direction from the hooks of the side and bottom bars which form a channel for a card, a horizontal plate secured at the bottom ends of the panels, a horizontal plate secured to the panels intermediate of their ends, each horizontal plate being provided with a bearing at the axis of the frame, and a supporting base and axial spindle upon which the said bearings are journaled.

1,509,126. TURN SHOE. JAMES CAVANAGH, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 8, 1919. Serial No. 316,226. 2 Claims. (Cl. 36—22.)



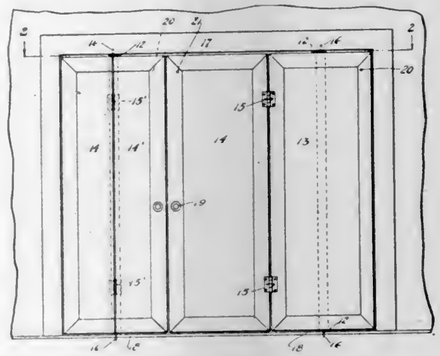
1. A turn shoe comprising, in combination, an upper and a single sole which has been sewed thereto with the sole and upper wrong side out and then turned right side out, the grain face of the sole being outward in the finished shoe and the flesh face being prepared with a continuous sewing-rib to receive the seam securing the upper and sole together and being provided with a continuous reinforce cemented within the inner angle between the sewing-rib and the flesh face of the sole to receive the stitches of the seam and prevent them from pulling through the sewing-rib when the shoe is turned, the foot-engaging part of the flesh surface of the sole being free from the reinforce to preserve its flexibility and prevent impairment of the appearance of the inside of the shoe.

1,509,127. CABINET. ERIC MICHAEL DE SHERBININ, Toronto, Ontario, Canada, assignor, by mesne assignments, to Paragon Dishwasher Syndicate Incorporated, a Corporation of New York. Filed June 25, 1923. Serial No. 647,707. 6 Claims. (Cl. 20—35.)



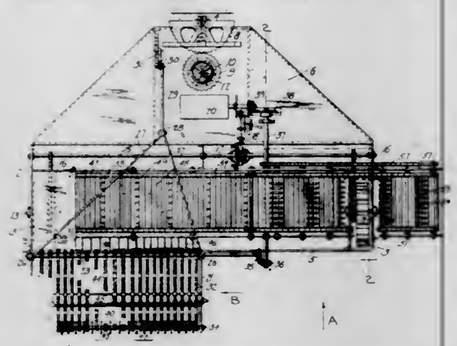
1. In a cabinet, a sliding sash door comprising two spaced vertical members each having a double rabbet adjacent to and parallel with its inner edge, two spaced horizontal members located one at the top and the other near the bottom of, and integral with, the vertical members and in the same plane as the vertical surfaces of the inner rabbets, a rabbet at the bottom of the lower one of the horizontal members extending to, and in the same plane as the bottom of the vertical members, a panel contacting the surfaces of the inner rabbets and the surfaces of the horizontal members adjacent to their inner edges, panel holding members secured in the outer rabbets overlying the side edges of the panel and having panel supports at their lower ends engaging the bottom edge of the panel, and a cross piece, contacting the inner surfaces of the outer rabbets, extending between the vertical members and covering the top edge of the panel.

1,509,128. DOOR FOR IN-A-CLOSET BEDS. ROSS J. ELLSWORTH, Chicago, Ill. Filed Sept. 30, 1922. Serial No. 591,629. 9 Claims. (Cl. 20—1.11.)



1. A plurality of sets of similar doors mounted in the opening between a chamber and an annexed closet, an article mounted on each set of doors, hinge means to fold each set together to the width of a single door, pivot means to rotate each set on an intermediate axis within said opening and swing the article through an intermediate part of said opening, and a narrow door provided in one of said doors.

1,509,129. BEET-LOADING MACHINE. ELLIE C. EVANS and PATRICK C. ROBERTS, Wiley, Colo. Filed Aug. 6, 1921. Serial No. 490,350. 2 Claims. (Cl. 198—9.)



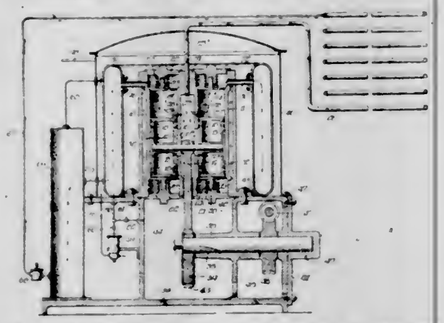
1. In a beet-loading machine, the combination of a wheel-supported frame, an elevator for moving beets to an elevated point of discharge, a slanting conveyor for feeding beets to the elevator, consisting of upper and lower shafts, series of spaced sprocket wheels on the shafts and chains separately engaging with said sprocket wheels, and a pick-up element consisting of teeth projecting radially from the lower shaft of the conveyor between its sprocket wheels.

1,509,130. PRICE TAG. HERMAN P. FEST, San Diego, Calif. Filed Oct. 27, 1922. Serial No. 597,356. 1 Claim. (Cl. 40—125.)



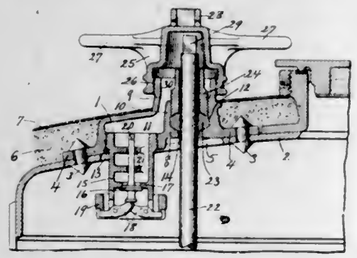
A price tag formed from a single piece of metal and including a horizontal base portion, and an obliquely disposed wall projecting upwardly and rearwardly from the forward longitudinal edge of the base portion, a rib extending across said wall to divide the latter into an upper space adapted to contain a name, and a lower space adapted to contain indicia relating to the price of the merchandise, said wall beneath said rib being provided with a slot arranged parallel with said rib, and separate figures adapted to be supported in said slot.

1,509,131. REFRIGERATING APPARATUS. PHILIP FISCHBACHER, Quincy, Ill. Filed Feb. 2, 1920. Serial No. 355,734. 5 Claims. (Cl. 230—6.)



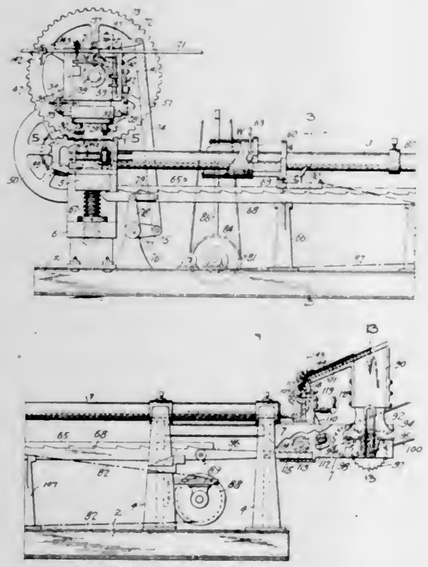
1. In a compressor, the combination of adjacently arranged cylinders having a space therebetween, double acting pistons mounted for reciprocating movement in said cylinders, a pin connecting said pistons, means for communicating refrigerant to said space, a driving member connected to said pin and movably mounted in said space, and a lubricating medium for said driving member forming a seal to prevent ingress of air from the outside of said compressor to said space.

1,509,132. COMBINED CAP AND ROD WRENCH. CLYDE H. FOLMSBEE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 15, 1922. Serial No. 568,664. 6 Claims. (Cl. 220—39.)



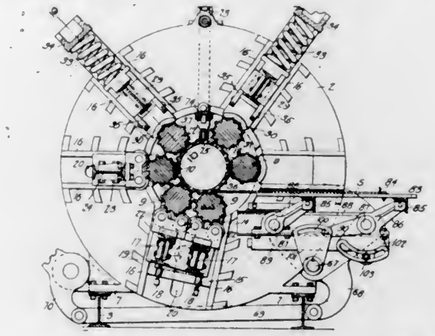
1. As a new article of manufacture, an integral cast cap having a closure portion, a socket portion adapted to serve as a wrench and means to operate said cap when used as a wrench.

1,509,133. RIVETING MACHINE. JONATHAN R. FREEZE, Middletown, Ohio, assignor to Rudd Harvesty, trustee, Denver, Colo. Filed Feb. 1, 1922. Serial No. 533,356. 36 Claims. (Cl. 78—51.)



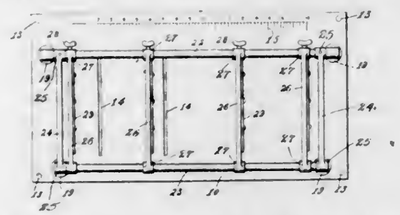
1. In a riveting machine, a work-support, a riveting and punching element, an element adapted to feed rivets to holes of work on the support, an element for supplying rivets to the feed element, both the feed element and the supply element being controlled by movement of the first mentioned element, and a spacing element adapted to advance the work alternately with the operation of the other elements.

1,509,134. PIPE-FORMING MACHINE. JONATHAN R. FREEZE, Middletown, Ohio, assignor to Rudd Harvesty, trustee, Denver, Colo. Filed Feb. 1, 1922. Serial No. 533,357. 27 Claims. (Cl. 153—61.)



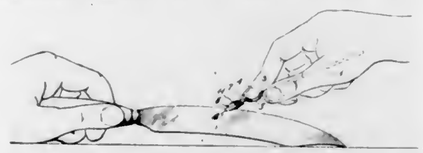
1. In a pipe forming machine, a mandrel, head supports at opposite ends thereof, rotary heads on the supports, rollers arranged about the mandrel and mounted on said heads to be separated from the mandrel by a rotary movement of the same, mechanism for automatic rotary reciprocation of the heads, and means for adjusting the automatic mechanism on the heads to vary the normal position of the rollers relative to the axis of the mandrel.

1,509,135. BINDER CUTTER. JULIO FUENTE, West Tampa, Fla. Filed Apr. 14, 1922. Serial No. 552,770. 2 Claims. (Cl. 131—49.)



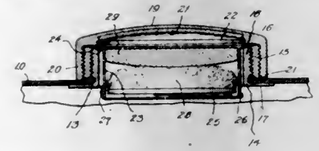
2. A binder cutter comprising a base having spaced parallel slots, a cutting frame pivoted upon the base and movable toward and away from the latter, said frame including spaced parallel shafts, stationary arms connecting said shafts, other arms connecting said shafts and slidable on the latter, whereby the latter mentioned arms can be spaced different distances apart, means for holding said movable arms fixed relatively to the shafts, a cutting blade carried by each of said movable arms, and means for limiting the downward movement of said frame.

1,509,136. KNIFE SHARPENER. MILTON G. GOFF, Detroit, Mich. Filed Aug. 4, 1922, Serial No. 579,724. Renewed June 30, 1924. 1 Claim. (Cl. 76—78.)



In a knife sharpener, the combination with a body composed of a single piece of metal having a handle portion, an intermediate continuous corrugated portion forming a transverse channel in said body, a pair of integral disk-supporting extensions beyond said corrugations, a flat cutting disk supported by each of said extensions with the peripheral edges of said cutting disks in contact, said extensions being separated so as to provide a slot extending inwardly beyond the meeting edges of said cutting disks.

1,509,137. WATERPROOF CONTAINER. BENJAMIN GOTTLIEB, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,594. 3 Claims. (Cl. 150—8.)

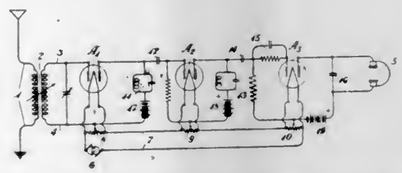


1. A container of the character set forth comprising a body having an opening bounded by flexible resilient material and closure means for said opening, said closure means including a neck member having an internal flange lying against said flexible resilient material, binder means on the outside of the material coacting with the flange for locking the neck member in place, and a cap removably fitted upon said binder means, both the binder means and the cap making independent watertight joints with the flexible material first mentioned.

1,509,138. ALKALINE ELECTRIC BATTERY. LEOPOLD GRAFENBERG, Cologne-Lindenthal, Germany, assignor to John Ferreol Monnot, Mill Hill, Middlesex, England. Filed May 21, 1923. Serial No. 640,553. 8 Claims. (Cl. 204—29.)

1. A process for the manufacture of negative electrodes for alkaline electric batteries, which consists in electrolytically precipitating an active cadmium-containing mass from a solution containing at least one complex metal ammonia salt and utilizing said active mass so obtained as a filling material for said negative electrodes.

1,509,139. RADIO RECEIVING APPARATUS. DAVID GRIMES, Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 21, 1922. Serial No. 555,905. 1 Claim. (Cl. 250—20.)

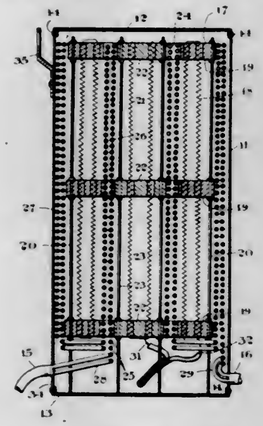


In a radio receiving system including a vacuum tube amplifier and a vacuum tube detector, means for heating the filaments of said tubes with alternating current of relatively low frequency, a coupling between said tubes including a condenser offering small impedance to radio frequencies and large impedance to other frequencies, and a shunt associated with said coupling, said shunt being anti-resonant to radio frequencies and resonant for lower frequencies.

1,509,140. ELECTRIC WATER HEATER. ERNEST GROULX, Montreal, Quebec, Canada, assignor to Arthur Hoolahan, Montreal, Canada. Filed May 26, 1923. Serial No. 641,678. 3 Claims. (Cl. 219—38.)

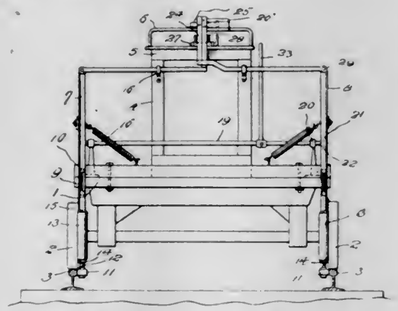
1. An electric water heater comprising a cylinder with removable top and bottom covers and having an inlet pipe and an outlet pipe, a plurality of heating units

placed within and spaced from one another and from the inner wall of the cylinder, a plurality of pipes coiled between the heating units and between the outer heating unit and the inner wall of the cylinder, said coils being



connected together and so arranged as to provide a continuous passageway between the inlet and outlet pipes, and means to connect the heating units to a source of electrical supply.

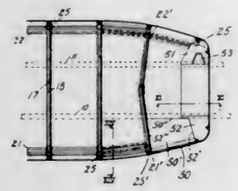
1,509,141. TRACK GAUGE. HARRY L. GROVEDAHL, Waukon, Iowa. Filed Jan. 7, 1924. Serial No. 684,840. 1 Claim. (Cl. 33—144.)



In combination with a vehicle adapted to travel upon a track gauge comprising frame sections movably connected with the vehicle and having rollers adapted to engage the track rails, spring means connected with the sections and the vehicle, and adapted to resiliently retain the rollers in contact with the track rails, means for raising and lowering the section simultaneously, means for locking the sections in fixed position with respect to each other and with respect to the vehicle, one of the sections having a pointer and the other section having a graduated indicator over which the said pointer is adapted to move when the sections of the frame move laterally with respect to each other.

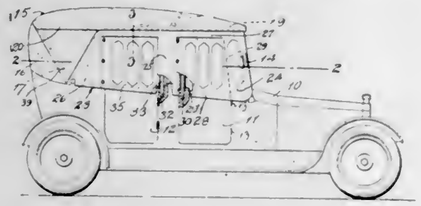
1,509,142. MOTOR BUS CONSTRUCTION. JOHN C. HAGGART, Jr., Alma, Mich., assignor to Republic Motor Truck Co. Inc., Alma, Mich., a Corporation of New York. Filed May 23, 1922. Serial No. 562,941. 5 Claims. (Cl. 296—28.)

1. In a motor bus construction having front and rear wheels and longitudinal framed beams, a vehicle body frame carried thereby, including cross members, upright members, and roof members located rearwardly of the front wheels and over and rearwardly of the rear wheels of said vehicle, the frame being directly supported on said beams and recessed over said wheels to permit said frame to be located below the top of said wheels, said



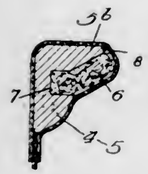
recessed portions of said frame being formed by arching the transverse cross members upwardly at either side thereof, and providing a plurality of short, vertical elements of said frame over said wheels.

1,509,143. VEHICLE TOP. GEY R. HALLOCK and RALPH VILLANE, Duluth, Minn. Filed Mar. 18, 1921. Serial No. 453,351. 2 Claims. (Cl. 296—139.)



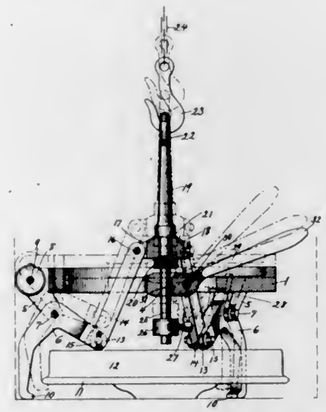
1. In a vehicle top of the class described, comprising a plurality of curtain panels, including a rear door panel, an intermediate section for connecting said panels, a flap secured to the rear edge of said section and the forward edge of said rear door panel, a forked rod adapted to receive between its prongs said flap, a retaining bead on said rear door panel for securing said flap, and means for securing the overlapping edges of said panels and section.

1,509,144. HOOD FOR BILLIARD-TABLE POCKETS. FRANK J. HARMET, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,915. 2 Claims. (Cl. 46—11.)



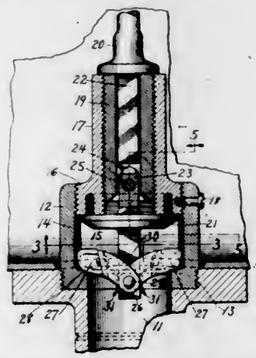
1. A device for the purpose mentioned, comprising a rigid body member extending in a curve around the top of the pocket recess and of general right-angle-triangular form in vertical section radial to said curve, whereby there is formed an under-sloping face overhanging the pocket around the curve thereof, said body member being as to the portion constituting said sloping overhanging face, substantially non-resilient and having in said face a racess forming a seat for a cushion; a relatively soft and non-resilient cushion lodged in said recess and protruding therefrom and a leather jacket enclosing the body member and the protruding cushion.

1,509,145. WHEEL TONGS. HENRY C. HAUMUELLER, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,710. 10 Claims. (Cl. 294—115.)



1. Wheel tongs comprising a ring member, bell crank levers pivotally mounted on said ring member, a rod for supporting said member and levers and links connecting an end of each lever to said rod.

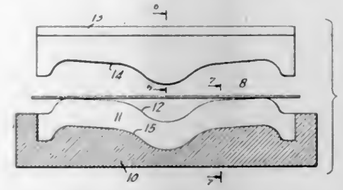
1,509,146. TANK-DISCHARGE-VALVE MECHANISM. OSCAR HOCHBERG, New York, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 5, 1921. Serial No. 435,158. 4 Claims. (Cl. 251—36.)



2. In a tank discharge outlet valve mechanism including a valve seat, a reciprocatory valve member having a depending stud shaft, and a pair of valve seat wipers carried by said shaft and adapted to be retracted upon downward movement of said valve.

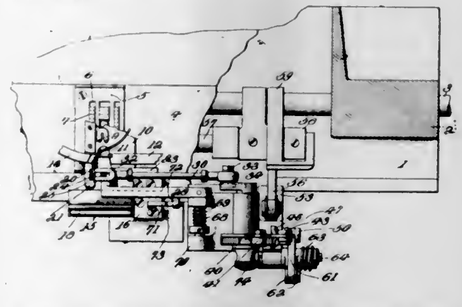
1,509,147. STAMPING APPARATUS AND PROCESS. HENRY S. HOLMES, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Mar. 21, 1921. Serial No. 453,916. 1 Claim. (Cl. 113—49.)

An apparatus for producing from a sheet-metal blank a segment of a rear axle housing, comprising a die having sides 11 shaped on their upper edges 12 to the desired longitudinal contour of the segment and having a bottom 15 parallel to and shaped similarly to said edges, and a one-piece punch having a working face 14 similarly shaped arranged to co-operate with the sides of the die to bend the work to the contour of the upper edges of such sides, said punch having its working face of less width than the recess of the die so as to force the work, after it



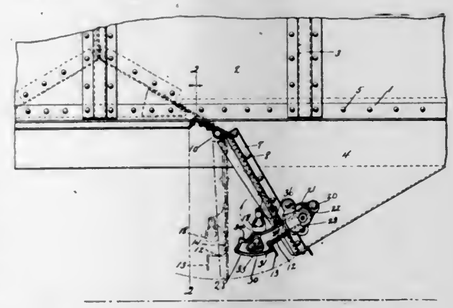
has been bent to the contour of the sides, down against the bottom of the die and to bend up the side portions of the work to a width determined by the contour of the edges of the sheet-metal blank from which the segment is formed.

1,509,148. MACHINE FOR FORMING AND STITCHING TAPERED COLLARETS. ROBERT R. HUGHES, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed June 17, 1919. Serial No. 304,786. 19 Claims. (Cl. 112—122.)



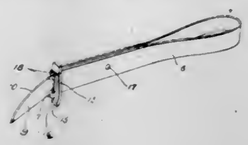
1. The combination of trimming means, stitching means, means located wholly above and pressing against the upper face of the strip for directing the same to the trimming and stitching means, means for shifting the directing means for tapering the strip, and manual means for setting said shifting means into operation.

1,509,149. DOOR-LOCKING DEVICE. ROBERT W. JOY, Brooklyn, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 17, 1923. Serial No. 663,022. 9 Claims. (Cl. 105—308.)



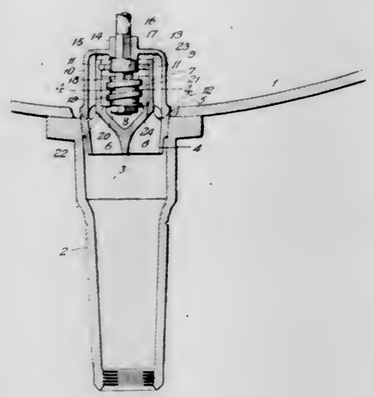
1. The combination of a door, a latch for said door, and a locking pawl for said latch adapted to engage said latch to hold said door in partly closed position.

1,509,150. CAN OPENER. CHARLES E. KENT, Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 634,115. 2 Claims. (Cl. 30—3.)



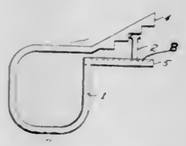
1. A can opener comprising; a looped handle having shouldered extremities; a blade having a downwardly curved cutting edge and an angularly disposed shank; and a pierced fulcrum plate adapted to engage said extremities with said shank therebetween.

1,509,151. TANK-CAR-DISCHARGE VALVE. JOHN W. KING, Sayville, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 5, 1920. Serial No. 401,291. 16 Claims. (Cl. 137—21.)



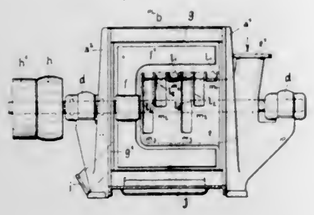
16. In a tank car discharge valve, a valve member, a valve seat member, a valve operating member, a threaded sleeve adapted to rotate with said valve member movable on said valve operating member, and a second sleeve operated by said threaded sleeve, said second sleeve being shifted with respect to said valve member by said first sleeve.

1,509,152. ELECTRODE FOR RIVET HEATERS. FRED T. KITT, Seattle, Wash., assignor, by mesne assignments, to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 6, 1920. Serial No. 363,670. 8 Claims. (Cl. 219—13.)



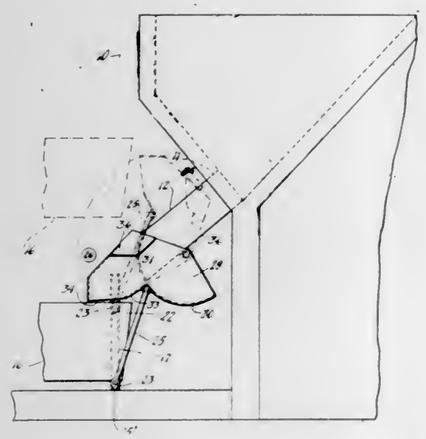
1. In an electric heater, the combination of means whereby current may be passed through an element for the purpose of heating the same, and means for cooling a point of contact with a bath of molten metal.

1,509,153. CENTRIFUGAL SEPARATOR FOR PULPY MATTER SUCH AS GROUND WOOD OR STRAW, CELLULOSE, AND THE LIKE. KARL KLIMPKE, Braunschweig, Germany. Filed Aug. 2, 1923. Serial No. 655,382. 5 Claims. (Cl. 92—34.)



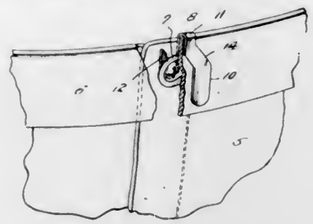
1. In an apparatus of the class described, the combination, with a sieve, and a rotary member mounted on a substantially horizontal axis and adapted to throw the matter to be separated against the sieve, of distributing means for supplying the matter to be separated to the rotary member and having an open overflow for the discharge of the matter to the rotary member, said overflow being divided into sections adapted to divide the matter being discharged into separate streams.

1,509,154. AUTOMATIC SKIP-BUCKET LOADING DEVICE. WILLIAM H. LANG, Chicago, Ill., assignor of one-half to George W. Phillips, Chicago, Ill. Filed Mar. 12, 1923. Serial No. 624,442. 3 Claims. (Cl. 214—125.)



1. An automatic loading device for a skip bucket traveling between vertical guide rails, said device comprising a fixed chute, a chute pivoted to said fixed chute and having an extension with a curved wall to close the passage provided by said chutes, a yoke swingably mounted on said pivoted chute, for operating said chute, and a transverse rod in said yoke and having its ends traveling in said guide rails, said rod being engaged by the bottom of said bucket traveling in said guide rails for swinging said pivoted chute with its closing means to provide a continuous passage through said chutes.

1,509,155. GARMENT SUPPORTER. FLOYD L. LAU, Delhi, Iowa. Filed Aug. 2, 1923. Serial No. 655,170. 1 Claim. (Cl. 241—11.)

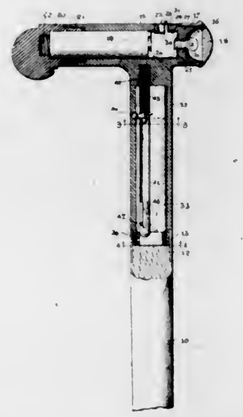


A garment support consisting of a metallic strip provided at a point between its ends with an arcuate bend and having spaced, parallel, plane end portions one of which is longer than the other, the shorter end portion having a hook disposed beyond one side edge of the bend and the longer end portion having an offset extremity disposed beyond the opposite end edge of the bend.

1,509,156. PROCESS OF RECOVERING METALS FROM CYANIDE SOLUTIONS. ARTHUR H. LAWRY, Goldfield, Nev. Filed Aug. 22, 1922. Serial No. 583,654. 3 Claims. (Cl. 75—185.)

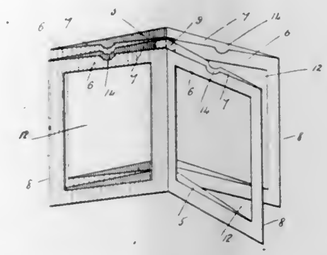
1. A process for precipitating precious metals from solutions containing no substantial quantity of free cyanide, consisting in introducing to the weak solution an activated carbon, in allowing the carbon to remain in contact with the solution, to precipitate the precious metals, and in filtering the solution to recover the precipitate therefrom.

1,509,157. COMBINATION CANE. PRUDENCIO LEAÑO, Manila, Philippine Islands. Filed Oct. 11, 1921. Serial No. 507,077. 4 Claims. (Cl. 135—47.)



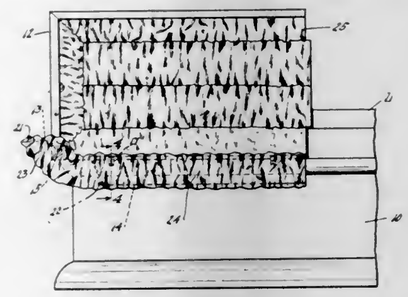
1. In combination, a cane comprising an upper section and a lower section detachably connected to each other, said upper section having a hollow lower end portion, a casing secured within the upper end section, a knife blade slidable within said casing, a spring pressed pin positioned within the upper end section exterior to said casing, connecting means between said pin and knife blade, whereby the knife blade will be projected from said casing, means to limit the outward movement of said knife blade, and means to hold the spring depressed and thereby retaining the knife blade within the casing.

1,509,158. MUSIC HOLDER. JAMES LOVE, Jr., Wilkes-Barre, Pa. Filed Nov. 24, 1923. Serial No. 676,780. 2 Claims. (Cl. 129—20.)



1. A music holder, comprising a frame formed of two similar panels each of which has a front part and a back part secured together at their outer edges and each provided with a similar sight opening, the two front parts being pivoted together at their adjacent edges, and the two back parts being similarly pivoted together and independently of the front parts, said frame being adapted to hold an unfolded double sheet of music which is slid into engagement with both panels.

1,509,159. BURIAL CASKET. FREDERICK LUNDBERG, Chicago, Ill. Filed Jan. 14, 1924. Serial No. 686,058. 5 Claims. (Cl. 27—19.)

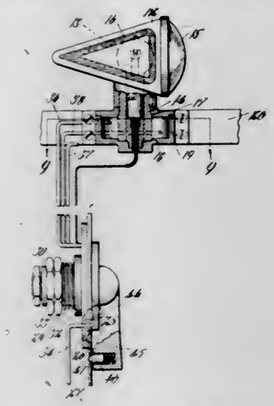


1. In combination with a casket having cover means connected to its body, rigid wing means with drapery mountable on said casket body to produce a couch effect, and tongues on said wing means adapted to engage slots in said casket body for permitting ready attachment or removal of said wing means from said body and for supporting said wing means concealed under the cover.

1,509,160. SIGNALING DEVICE. ALOYSIUS L. MAHONY, Boston, and PETER J. LINSTROM, Medford, Mass. Filed Aug. 15, 1923. Serial No. 657,496. 5 Claims. (Cl. 116—39.)

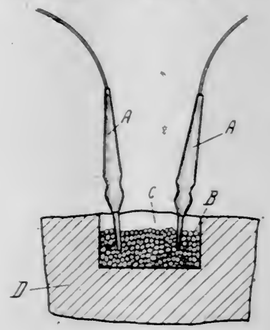
1. A signaling device comprising a dirigible direction-indicating lamp casing, a shaft supporting the same and arranged substantially at right angles with the major axis of the lamp casing, a pneumatic motor including a piston chamber provided with bearings for said shaft and with means for attachment to a vehicle body, in position to maintain said shaft substantially vertical, a manually operable controlling valve, a plurality of air conduits connecting different portions of the piston chamber with different portions of the controlling valve, air-exhausting means carried by the vehicle, and a suc-

tion conduit connecting said valve with said air-exhausting means and in constant open communication with the valve and with the air-exhausting means, said valve



being provided with means for selectively connecting either of the air conduits with the suction conduit and with the atmosphere.

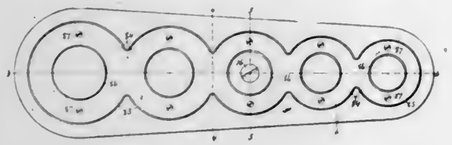
1,509,161. METHOD OF FILLING HOLLOW BODIES, ESPECIALLY THE CAVITIES OF HUMAN TEETH, WITH METALLIC FILLING SUBSTANCES. JACOB MAURER, Konstanz, Germany, assignor to Reiniger, Gebbert & Schall Aktiengesellschaft, Erlangen, Bavaria, Germany. Filed July 18, 1922. Serial No. 575,818. 2 Claims. (Cl. 32—32.)



1. The method of filling, with the aid of electricity, small cavities of hollow bodies, especially of human teeth, with a metal intended to remain constantly in the respective cavity, said method consisting in introducing into the respective cavity an appropriate amount of a suitable metal which is so disintegrated that sparks can arise between the particles thereof when an electric current is caused to pass therethrough, and causing an electric current to pass intermittently through said metallic filling so as to cause the particles forming it to sinter and get welded to one another by said sparks, substantially as described.

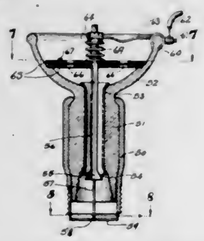
1,509,162. GARMENT-PRESSING MACHINE. RICHARD H. MELZER, Syracuse, N. Y., assignor to Triplex Garment Presser., Inc., Syracuse, N. Y., a Corporation of New York. Original application filed Sept. 29, 1920, Serial No. 413,559. Patent No. 1,400,088, dated Dec. 13, 1921. Divided and this application filed Sept. 2, 1921. Serial No. 497,871. 4 Claims. (Cl. 68—9.)

1. In a garment pressing machine, a buck having a steam-heated chamber extending continuously along its sides and ends, a relatively narrow steam exit passage in the upper face of the buck extending continously in a tortuous path along the entire length of and in a



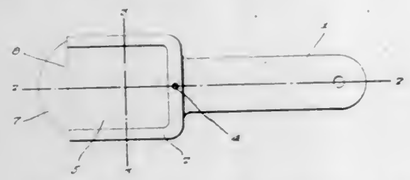
plane above the steam-heated chamber, means for introducing live steam into the first named chamber, and valve-controlled means for conducting steam from the first named chamber to the exit passage.

1,509,163. SPARK PLUG. EINAR MINGE, Chicago, Ill. Filed Jan. 20, 1921. Serial No. 438,565. 8 Claims. (Cl. 123—169.)



1. In a device of the class described, a spark plug provided with an insulating member bearing a cup at it upper end, means movably mounted in said insulating member, said means having an electric terminal connected to its top, means for supporting said terminal on the wall of said cup, an electric terminal at the bottom of said movable means, and means extending inward from the bottom of said plug forming a spark gap with said bottom terminal.

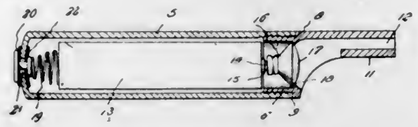
1,509,164. FINGERPRINT-SHEET HOLDER. LEO LAWRENCE MIVELAZ, Memphis, Tenn. Filed July 26, 1922. Serial No. 577,655. 1 Claim. (Cl. 41—4.)



A holder for finger print sheets comprising a handle part having a receptacle formed at one end thereof, one end and the front of the receptacle being open, a plate removably arranged in the receptacle, a pin on the plate for holding the sheets thereon and a set screw at the rear of the handle part for engaging the plate to force the same with the sheets thereon against the front of the receptacle.

1,509,165. ILLUMINATED TOOL HOLDER. ALBERT A. MONTERO, Springfield, Mo., assignor to Gaston M. Serrano, St. Louis, Mo. Filed Oct. 9, 1923. Serial No. 667,519. 2 Claims. (Cl. 240—8.4.)

1. An illuminated tool holder comprising a cylindrical hollow handle, open and internally screw threaded at its outer end, a tool holding device having a substantially semi-circular socketed extension disposed in alignment with said handle, said device being provided on its inner end with a reduced screw threaded nipple tapped into the threaded end of the handle, that portion joining the nipple with the extension being provided with



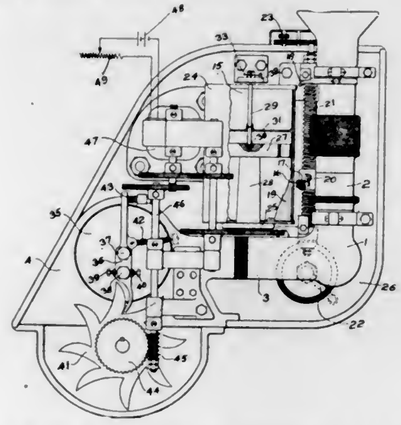
an internal shoulder adapted to be engaged by a flash light bulb and having an opening therein of the size to permit simultaneous projection of light rays through and beneath said extension.

1,509,166. KEROSENE OIL LIVESTOCK DIP. JOHN HARRY MOORMAN and WALTER EMERSON HOWE, Denver, Colo. Filed Aug. 6, 1923. Serial No. 656,129. 9 Claims. (Cl. 167—10.)

3. An insecticide comprising a mixture of oleic acid, alcohol ammonia and kerosene.

9. The method of compounding an insecticide emulsion consisting in first mixing together substantially thirteen parts of oleic acid and substantially nine parts of alcohol, adding to said mixture substantially three parts of aqua ammonia and mixing the same thoroughly and thereafter adding to the mixture, kerosene in substantially the proportion of four parts of kerosene to the aforesaid mixture.

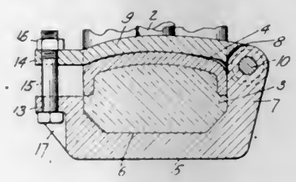
1,509,167. AIRPLANE SPEEDOMETER. ROBERT V. MORSE, Ithaca, N. Y. Filed Apr. 16, 1921. Serial No. 462,004. 9 Claims. (Cl. 88—1.)



3. In optical apparatus, the combination of a speedometer drum having a large number of different scales, a telescope, optical means whereby the scale reading of the speedometer drum is magnified and transmitted into the field of vision of the telescope, and mean for adjusting the optical means so that any particular scale may be selected and read.

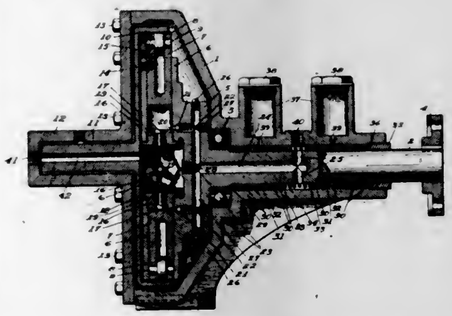
1,509,168. TRACTION LUG FOR MOTOR VEHICLES. JOHN I. MULLEN, Naturita, Colo. Filed Apr. 29, 1922. Serial No. 557,450. 1 Claim. (Cl. 152—2.)

A mud lug for motor vehicle wheels comprising a relatively massive solid shoe member formed to provide a tread portion of a substantial tractive area and oppositely disposed side wall portions, the inner surfaces of said tread and side wall portions being continuous one with the other to snugly seat transversely over a portion of the tire, one of the side wall portions being extended to project inwardly of the rim at its inner side and having its free end centrally bifurcated to provide spaced pivot ears having aligned apertures therein, a retaining member having a pivot ear formed centrally of its inner end for engagement between the said spaced ears, the pivot ear of said retaining member being apertured for alignment with the apertures of said spaced



ears, a pivot pin passing through the aligned apertures of all of said ears for hinging said retaining member in position, the other of said side wall portions being substantially shorter than said first mentioned side wall portion and having its free end terminating in close proximity to the adjacent edge of the rim and in spaced relation to the overlying end of said retaining member, and headed fastenings carried by the shorter side wall portion and adapted to engage the overlying end of said retaining member whereby the latter is clamped firmly against the inner side of the rim.

1,509,169. PUMP. GEORGE MCFARLAND, Fort Madison, Iowa. Filed Feb. 19, 1920. Serial No. 359,791. 1 Claim. (Cl. 103—161.)

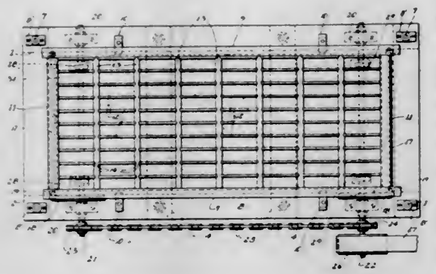


In a pump the combination of a housing, a shaft journalled therein and passing through a sealing packing, a cylinder structure carried by the shaft and provided with radially arranged cylinders, a reciprocating piston in each cylinder, a rotating stroke member cooperating with the pistons and journalled in the housing eccentrically to the shaft, an inlet passage through the rotating stroke member and communicating with the inlet to each cylinder, and an outlet passage from each cylinder through the shaft and the sealing packing to a point outside the housing.

1,509,170. APPARATUS FOR COMPACTING CONCRETE OR THE LIKE. FRANK NOSSEK, Chicago, Ill. Filed Nov. 26, 1921. Serial No. 517,879. 4 Claims. (Cl. 25—41.)

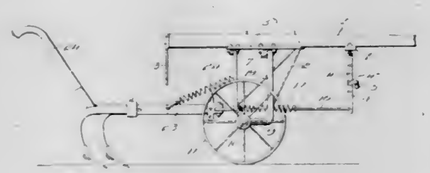
1. An apparatus for compacting concrete comprising a platform; a receptacle mounted on said platform; angle bars disposed end to end in said receptacle and providing bottom and side means forming longitudinal

chambers therein; cross pieces having slots in their opposite side faces and disposed between said angle bars for receiving the ends thereof to retain them in



position, binding members extending through and connecting said side bars; and means on said members for locking said receptacle in assembled relation substantially as described.

1,509,171. WALKING CULTIVATOR. JOHN H. OGDEN, Gravelly, Ark. Filed Feb. 18, 1924. Serial No. 693,622. 2 Claims. (Cl. 27—135.)

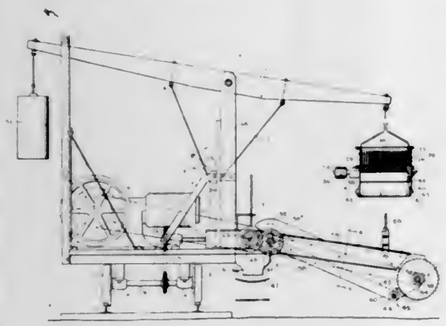


1. A walking cultivator comprising a draft tongue, a draft bar pivotally mounted thereon, a plate disposed upon the tongue at a point behind the draft bar, a sectional arch bar structure adjustably connected with the plate, the sections of the arch bar structure being adjustable with relation to each other, means for fixing the sections of the arch bar structure to the plate, the sections of the arch bar structure being provided at their outer ends with rearwardly disposed portions having outwardly disposed spindles, ground engaging wheels journalled upon the spindles, braces connecting the outer portions of the sections of the arch bar structure with the plate, a sectional bar structure adjustably mounted upon the plate and located behind the first mentioned arch bar structure, means resiliently connecting the outer portion of the sections of the second mentioned arch bar structure with the outer ends of the pivoted draft bar, blocks adjustably mounted upon the sections of the second mentioned arch bar structure, cultivator beams pivotally connected with the blocks, means for bracing the beams with relation to the blocks, and means resiliently connecting the intermediate portions of the beams with the adjacent sections of the second mentioned arch bar structure.

1,509,172. PROCESS OF RECOVERING WOOL OR OTHER ANIMAL FIBERS FROM FABRICS. SIDNEY A. OGDEN, Eagle Rock, Calif. Filed Apr. 24, 1923. Serial No. 634,398. 5 Claims. (Cl. 8—12.)

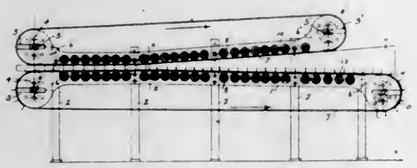
1. A process of treating material composed of wool and cellulose or silk in mechanical mixture whereby the wool can be reclaimed, and the additive substances or materials removed in such manner that valuable by-products may be recovered in the processing, without injury to the wool, which comprises causing protective substances to be formed on the woolen fibers before treating the whole for recovery of the by products, and additive substances.

1,509,173. CLAY-DIGGING MACHINE. JAMES T. POKORNY, Cedar Bayou, Tex., assignor of one-third to A. T. Eddingston, Port Arthur, Jefferson County, Tex. Filed Apr. 22, 1920. Serial No. 375,837. 2 Claims. (Cl. 262—19.)



1. A device of the character described including a frame work, a boom pivoted thereto at one end, a gang of pulverizing saws rotatably mounted at the free end of said boom, a digging saw spaced from said pulverizing saws, an operative mechanism carried by the frame work through which said saws may be driven, means for elevating and lowering the same, depending side plates carried by the boom, an endless belt moving between the side plates, said belt and plates forming a conveyor disposed to receive from said saws.

1,509,174. BRICK-MOLDING MACHINE. JAMES T. POKORNY, Cedar Bayou, Tex., assignor of one-half to A. T. Eddingston, Port Arthur, Tex. Filed Feb. 4, 1921. Serial No. 442,573. 4 Claims. (Cl. 25—99.)



1. In a molding machine, an endless belt, rollers over which the same operates, a series of molds carried by said belt, said rollers having peripheral ribs and grooves, the ribs of each roller fitting into the grooves of adjacent rollers.

2. In a molding machine, an endless belt, rollers over which the same operates and a series of molds carried by said belt, and formed of slightly flexible material.

1,509,175. YEAST FOOD AND PROCESS OF MAKING SAME. GILBERT R. POTTS, Convent, N. J. Filed Dec. 26, 1923. Serial No. 682,828. 4 Claims. (Cl. 99—10.)

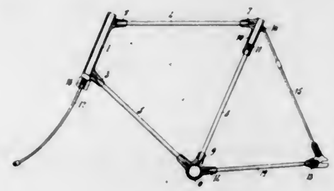
2. A yeast food for bread making and other uses consisting of a syrup composed of malt syrup, extract of hops, and maltose syrup.

1,509,176. LEAF SPRING. CLAUDE J. QUICK, Pulaski, N. Y. Filed Oct. 18, 1921. Serial No. 508,575. 1 Claim. (Cl. 267—49.)



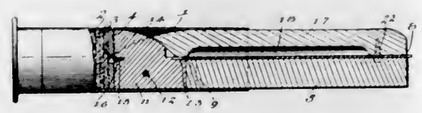
A bow spring comprising a plurality of spring leaves arranged in spaced relation one above the other, rollers in longitudinally spaced relation between said leaves for holding them in spaced relation and permitting their relative endwise movement, said rollers having both ends provided with annular flanges projecting into recesses in adjacent portions of the springs, the springs having portions thereof extended entirely across the recesses and peripheries of the adjacent flanges of the rollers to protect them against contact with external objects and also to avoid excessive weakening of the leaves.

1,509,177. CYCLE FRAME OF STEEL BARS. JOHANNES RASMUSSEN, Copenhagen, Denmark. Filed Apr. 9, 1923. Serial No. 630,920. 1 Claim. (Cl. 208—106.)



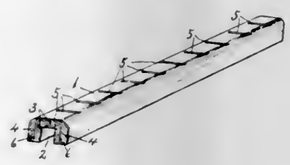
A bicycle frame including a front bracket having rearwardly extending threaded sockets, upper and lower bars having their front ends in threaded engagement with said sockets, a crank bearing having a socket in threaded engagement with the lower bar, an intermediate bar having its lower end screwed into the crank bearing, a saddle bracket connected to the upper end of the intermediate bar and the rear end of the upper bar, said bracket having a threaded socket engaging one of the last mentioned bars and a screw for connecting the saddle bracket with the other one of the last mentioned bars, rear bars in threaded connection with said crank bearing, rear fork brackets in threaded engagement with the rear ends of the rear bars and oblique bars connecting said rear brackets to the saddle bracket, all of the threaded connections having their threads extending in the same direction in order to prevent the bars from accidentally unscrewing, and each of the upper, lower, intermediate and rear bars having frustro-conical end portions.

1,509,178. PROJECTILE. HILERY M. RATCLIFF, Blytheville, Ark. Filed Mar. 13, 1923. Serial No. 624,862. 10 Claims. (Cl. 102—26.)



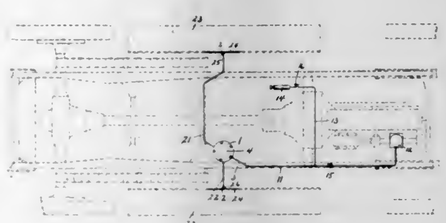
8. A projectile comprising an elongated metal body member having its opposite ends pointed, a flat plate rigidly secured to the body member, having lateral extensions projecting outwardly from the longitudinal edges of the body member and provided with a slot at its rear end, the body member being provided with a slot at its rear end, a rudder inserted within the slot of the body member rigidly secured thereto and having an upstanding wing projecting through the slot of the flat plate, said rudder being provided with a notch at its rear end engaging the metal at the end of the slot in the flat plate, and a casing provided with a slot at its rear end of less weight than the body member with said slot receiving the wing of the rudder.

1,509,179. NOISELESS WINDOW GUIDE. GEORGE ALLEN REYNOLDS, Jr., Binghamton, N. Y. Filed Aug. 7, 1922, Serial No. 580,365. Renewed Aug. 8, 1924. 2 Claims. (Cl. 296—44.5.)



1. A noiseless guide-strip for glass windows, comprising a strip of pliable fabric material, bent into U-shaped cross-sectional form, and staples driven from the back side of the pliable material into the opposite flanges thereof at intervals throughout the length of the strip to enable said strip to be flexed longitudinally while retaining its U-shaped cross-sectional form.

1,509,180. LUBRICATING SYSTEM. GEORGE W. SEVERSON, Auburn, N. Y., assignor to Bowen Products Corporation, Auburn, N. Y., a Corporation of New York. Filed May 19, 1920. Serial No. 382,584. 7 Claims. (Cl. 184—7.)

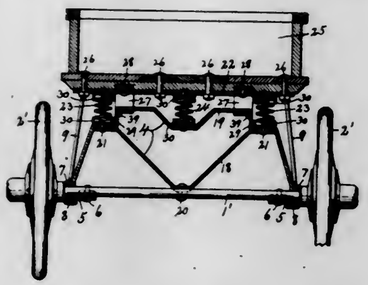


3. In a lubricating system, the combination with a vehicle of a tank supported thereon, a conduit communicating with the tank, and terminating in a coupling member positioned adjacent the periphery of the vehicle, a valve within said coupling member closing by pressure of lubricant in said conduit, and a flexible hose having a coupling adapted to engage either of the first-named couplings, and means in connection with a coupling on the hose for opening the respective valve when said coupling is operatively engaged with either of the first-named couplings.

1,509,181. CART. HOWARD W. SHERWOOD, Syracuse, N. Y., assignor to Edna I. Sherwood, Auburn, N. Y. Filed Nov. 2, 1923. Serial No. 672,281. 7 Claims. (Cl. 280—87.5.)

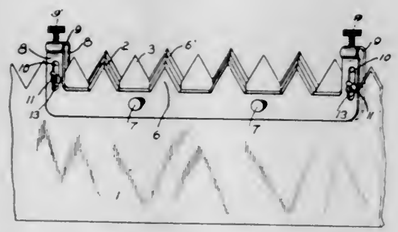
1. In a cart having an axle and supporting wheels journaled thereon, washer-plates secured to the axle ad-

jacent the inner ends of the wheel hubs and provided with bolster-receiving pockets, and a body supporting



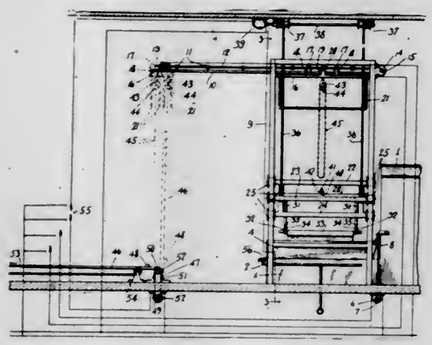
bolster overlying the axle and having its opposite ends seated in the adjacent pockets and embracing the adjacent portions of the axle.

1,509,182. SAW GAUGE. DANIEL C. SPENCER, St. Maries, Idaho. Filed Apr. 7, 1923. Serial No. 630,587. 1 Claim. (Cl. 33—202.)



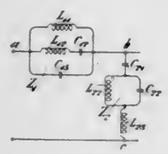
A reversible saw gauge comprising a pair of spaced plates having vertical slots therein, means for attaching said gauge to a saw, said plates having at their ends integral connecting-bends, vertically arranged set screws in these ends, and transversely arranged bolts adjustable in the slots of the plates for co-action with the set screws in determining the required gauge for the saw teeth.

1,509,183. GLASS-DRAWING APPARATUS. DAVID L. SWINDELL, Okmulgee, Okla. Filed Nov. 20, 1920. Serial No. 425,489. 5 Claims. (Cl. 49—17.)



1. An apparatus of the class described comprising a straight bait bar, a vertically movable carriage, a supporting frame for the bait bar removably supported in the carriage, a horizontally movable carriage, means thereon for automatically engaging the supporting frame when the vertically movable carriage brings said frame adjacent the horizontally movable carriage and means for moving said carriages.

1,509,184. MULTIPLE-BAND WAVE FILTER. OTTO J. ZOBEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,963. 13 Claims. (Cl. 178—44.)



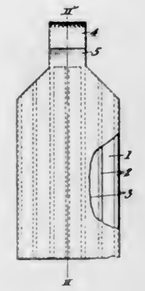
1. A wave filter comprising a plurality of periodic sections, each section including series impedance elements in parallel and shunt impedance elements in series so proportioned that the filter will have more than two bands of free transmission, the impedance of the filter being such that the product of the series impedance and the shunt impedance of any section will be constant.

1,509,185. FUSE. JOHN P. ARNDT, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 21, 1919. Serial No. 284,059. 27 Claims. (Cl. 200—120.)



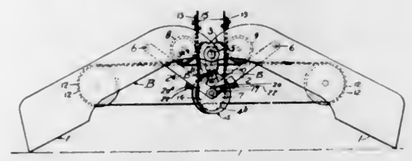
6. A fuse comprising a pair of telescopically arranged tubes having their opposite ends closed and provided with aligned openings through their side walls, a pair of spaced terminals for the outside tube, and a fuse-link extending within said tubes and through the aligned openings, to complete a circuit between said terminals.

1,509,186. STORAGE CELL, ELECTRODE THEREFOR, AND PROCESS OF MAKING THE SAME. RAYMOND C. BENNER, Bayside, and HARRY F. FRENCH, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,248. 5 Claims. (Cl. 204—239).



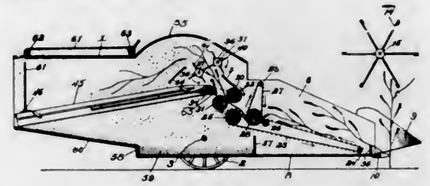
1. Process of preparing a support for the active material of storage cells, comprising subjecting a non-metallic body to a spray of metal in condition to adhere to the body, and removing the body when a metallic coating of the desired character has been formed.

1,509,187. GRAB BUCKET. WILLIAM C. BOLGIANO, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Filed Mar. 19, 1924. Serial No. 700,341. 2 Claims. (Cl. 37—184.)



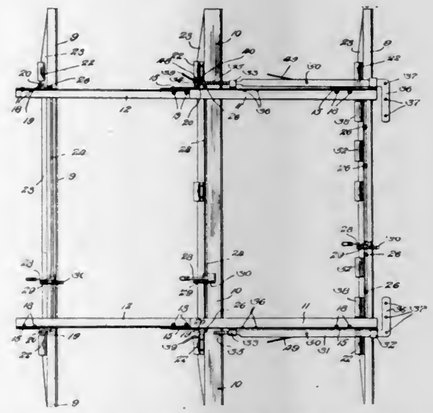
1. In a clean-up bucket for overhead trolleys wherein the spade-arm members are revolvably connected to a common cross-pin above, and the bucket opening and closing links are pivotally connected at their upper ends to the inner ends of the scoop-members and, at their lower ends, are revolvably mounted upon a common cross-pin below, the combination of a top-block mounted on the cross-pin above, a bottom-block fixedly mounted on the cross pin below, and means for counteracting any axial movement of the cross-pin below during the vertical movements of said pin and connected links during the opening and closing operations of said bucket, substantially as shown and described.

1,509,188. THRASHER. OSCAR H. BREMSER, Columbia, Ill. Filed Sept. 26, 1919. Serial No. 326,457. 3 Claims. (Cl. 130—27.)



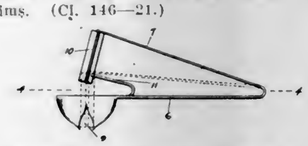
1. A clover thrasher comprising a body, a main conveyor therein, means to direct stalks on to the conveyor, beating means including flexible cooperating arms at opposite sides of the path of the stalks arranged beyond the conveyor, and a cooperating conveyor arranged at an angle to the main conveyor and also arranged in advance of the beating means to compress the stalks while assisting the feed of and directing the same.

1,509,189. DRAG. PETER J. CARLSON, Sioux City, Iowa. Filed Sept. 18, 1923. Serial No. 663,367. 12 Claims. (Cl. 37—143.)



1. A convertible road and gutter drag including a pair of scrapers, and draft elements so interconnecting the same that when traction is applied to both of said elements, the scrapers will be drawn one behind the other, and when traction is applied to one of said elements, the scrapers will be shifted to a V-shape, the draft elements being spaced farther apart at their free ends than at their ends connected to the scrapers.

1,509,190. CHERRY PITTER. PAUL D. COOK, Sioux City, Iowa. Filed Mar. 12, 1923. Serial No. 624,451. 2 Claims. (Cl. 146—21.)

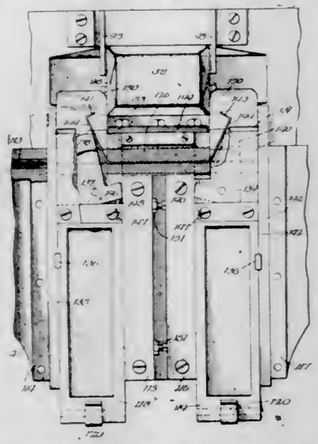


1. A cherry pitter comprising a strip of flat spring metal bent in the form of a V so as to provide an upper and lower arm, a cherry cup formed on the lower arm, a plunger fixed to and depending from the upper arm, said plunger having on its side adjacent the arms, a longitudinal rib, a stripping finger formed of a slip of metal cut from the lower arm and bent back over the cherry cup, said finger having its end bifurcated to receive the rib of the plunger, and adapted to act as a guide for the plunger and to strip from the plunger, cherries impaneled thereby.

1,509,191. MACHINE FOR MAKING ICE-CREAM PAILS OR OTHER RECEPTACLES. EDWARD CRAIG, St. Joseph, Mich. Filed Apr. 23, 1920. Serial No. 376,161. 34 Claims. (Cl. 93—36.)

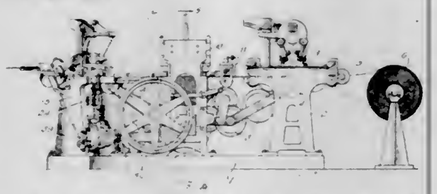
1. In a machine for folding blanks and inserting wire bails therein to form receptacles having handles, the combination of means to support the blank in a horizontally disposed plane, with the inside surface of the blank facing downward, instrumentalities above and below said plane for automatically folding the blank, thereby to form the receptacle upside down by upward movement thereof, mechanism disposed in position for automatically applying the wire bail horizontally to form a

handle which serves also to retain the blank in the folded condition thereof, so that the handle formed by the bail is applied in a horizontally disposed plane above the said



plane of the blank, and means to prevent each finished receptacle from falling back when said instrumentalities and mechanism are retracted for the insertion of the next blank.

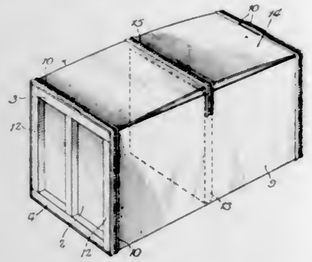
1,509,192. MACHINERY AND METHOD FOR MAKING RECEPTACLES. EDWARD CRAIG, St. Joseph, Mich. Filed July 15, 1921. Serial No. 485,128. 35 Claims. (Cl. 93—36.)



1. In a machine for making and folding blanks of sheet material to produce ice cream pails or other similar receptacles, the combination of automatic instrumentalities for making and feeding rectangular blanks with their front and rear edges disposed transversely of and at right angles to the long sheet or strip of paper from which they are successively formed, so that the other edges of the blanks are formed by the side edges of said long sheet or strip of paper, with the bottom section of each blank disposed obliquely to the line of travel, and automatic receptacle forming means whereby each blank is necessarily converted into a receptacle before another blank is detached from said strip, in which each blank finally and automatically occupies a folding position in line with said long strip, when viewed from above, with the edges of the blank extending obliquely to said means, so that two diametrically opposite corners of the blank to be folded extend longitudinally of said receptacle forming means, while the other two corners extend laterally and transversely of said means, and whereby the bottom section of each blank stands squarely in said forming means.

1,509,193. METAL-BOUND SHIPPING BOX. EDWARD CRAIG, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich., a Corporation of Delaware. Filed Oct. 5, 1922. Serial No. 592,535. 5 Claims. (Cl. 217—12.)

1. In a metal-bound box structure for oranges or the like, a plurality of sheets and cleats and metal binding members forming a blank, end walls for the box, partition means to divide the box transversely at the middle to form two compartments, when the blank is folded to form the bottom and sides of the box, a separate flexible cover for the top, and cover attaching means including a transverse metal attaching member for the middle of



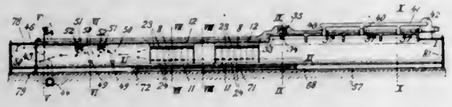
the cover, in the plane of said partition means, with the opposite ends of this attaching member projecting a distance beyond the edge of the cover and serving to fasten down the cover with more or less upward bulge at the middle thereof, and whereby the means to form the blank exclude said cover and said attaching member thereof.

1,509,194. EDIBLE CONTAINER. IVAN CHANDLER DRESSER, Yonkers, N. Y. Filed Sept. 6, 1922. Serial No. 586,529. 1 Claim. (Cl. 99—16.)



A drinking cup, open at its top and capable of standing upon its own bottom, comprising a baked farinaceous container having a bottom and side walls, a liquid impervious edible lining coating the inner faces of said container and means whereby a breakage of the upper portion of the cup will be limited in its downward fracture of the wall thereof to a predetermined distance from the bottom of the cup.

1,509,195. TUNNEL KILN. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 28, 1919. Serial No. 333,900. Renewed Mar. 14, 1924. 13 Claims. (Cl. 25—142.)



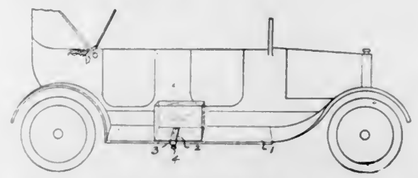
1. A tunnel kiln comprising a main chamber through which the goods to be treated are moved, means situated approximately at the center of said chamber for developing a high temperature therein, and gas propelling mechanism located within the kiln and associated with the forward heating zone of said main chamber and adapted by its propulsion to equalize the heat distribution in said zone.

1,509,196. DISTILLATION APPARATUS. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 14, 1919. Serial No. 338,008. Renewed Mar. 8, 1924. 6 Claims. (Cl. 202—9.)



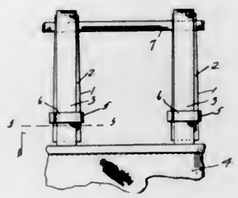
1. In distillation apparatus comprising an elongated kiln or retort formed with a pathway therethrough for the material to be distilled, means for moving said material along said pathway, and means for heating the kiln to a temperature varying progressively at points along the length of the kiln, said heating means comprising combustion chambers and provisions for setting up a directed convection current circulation of the kiln atmosphere in planes transverse to the length of the kiln, the improvement which consists in a gas receiving space above said pathway of substantial volume and divided into a longitudinally extending series of compartments open at their lower ends and having individual gas outlets.

1,509,197. ICE HOLDER. EARL H. DUKE, Houston, Tex., assignor of one-half to Rudolph P. Suhn, Harris County, Tex. Filed Dec. 16, 1921. Serial No. 522,839. 1 Claim. (Cl. 224—29.)



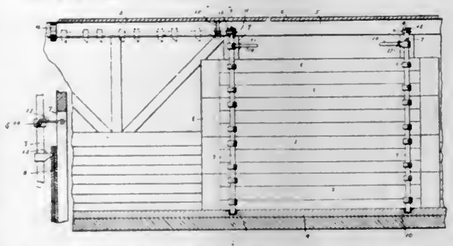
An ice holder including a single strap whose outer end is overturned and formed into a U-shaped clamp which receives the outer edge of a vehicle running board, a clamp screw threaded through the overturned end of said clamp and engaging with said running board, and holding the strap closely against the upper side of said running board, end teeth extending upwardly from said strap and inclined in opposite directions, and intermediate side teeth upstanding from said strap and inclined in opposite directions, said teeth being triangular and thrown up from the material of the strap and being in staggered relation.

1,509,198. RIBBON DRIER FOR LINGERIE. MILDRED G. ELLINWOOD, Kansas City, Mo. Filed Dec. 28, 1923. Serial No. 683,241. 1 Claim. (Cl. 223—19.)



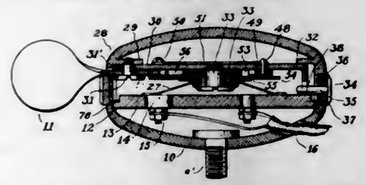
A ribbon drier for lingerie, consisting of a strip of flexible resilient material having its sides formed tapering from the ends of the strip to the middle thereof, and a plurality of binding members slidably mounted on said strip and adapted to move longitudinally thereof in outward direction with increasing friction and to move inwardly with decreasing friction, said binding members comprising severed bands adapted for receving said strip and a ribbon thereon and having yielding portions adapted for pressing normally on the ribbon to hold the latter in place on the strip.

1,509,199. GRAIN DOOR FOR BOX CARS. JOHN C. FOLGER, Alton, Iowa. Filed Aug. 25, 1923. Serial No. 659,358. 1 Claim. (Cl. 20—30.)



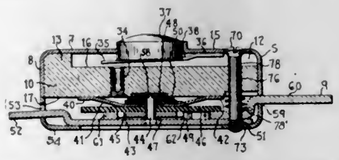
A device for retaining in position a closure extending across the doorway of a car comprising a socket bearing in the floor of the car adjacent the edge of the doorway, a bearing above the doorway adapted to swing on a pivot, a shaft normally journaled in said socket and said bearing, cams on the shaft adapted to engage the closure when rotated into position, a handle secured to the shaft for rotating the same, a hook adapted to engage the handle to retain the cams in engagement with the closure, resilient detent arms fixed to the car structure in position to receive the end of the shaft when the same is removed at its lower end from the socket and swung upwardly around the pivot of the bearing, and a resilient bifurcated spring retainer for engaging the handle when the shaft is in its upper position.

1,509,200. ELECTRIC SWITCH APPARATUS. ARTHUR C. GAYNOR, Stratford, Conn. Filed Dec. 22, 1919. Serial No. 346,522. 52 Claims. (Cl. 200—11.)



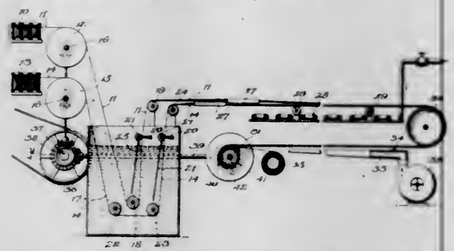
1. In an automotive vehicle, a lighting switch having two sets of terminals having one terminal in common, a single finger actuated operating means for effecting all switch adjustments required when said switch is set for use with either set of terminals, and a setting device for setting said switch to control either of said sets, said setting device operating independently of the position of said single finger actuated means.

1,509,201. ELECTRIC SWITCH APPARATUS AND SYSTEM. ARTHUR C. GAYNOR, Stratford, Conn. Filed Feb. 12, 1921. Serial No. 444,382. 21 Claims. (Cl. 200—11.)



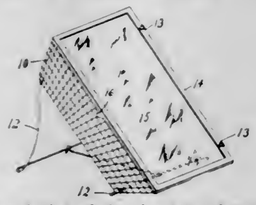
2. The combination in an electric switch, of a box, a movable switching member in said box having operating means accessible from the exterior thereof, and a pivoted member for setting the position of said switch, said member having operating means rigid therewith and projecting from said box.

1,509,202. METHOD AND APPARATUS FOR PRODUCING STRANDS FOR TIRE FABRIC. HANS E. GRAAG, New York, N. Y., assignor, by mesne assignments, to Multiple Cord Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 30, 1919. Serial No. 273,969. 13 Claims. (Cl. 154—1.)



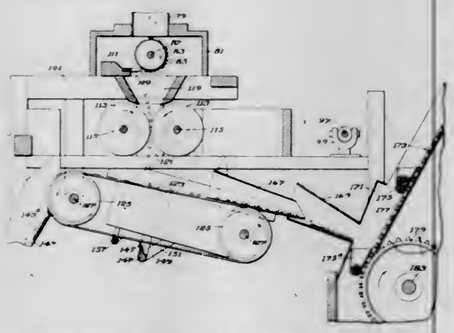
13. Apparatus for making strands consisting of threads arranged in superposed layers including, in combination, a tank adapted to contain a solution of rubber, means to guide threads through the rubber solution in said tank, and means to arrange said threads while the rubber is tacky in narrow superposed layers to form strands.

1,509,203. STAND. VINCENT GRENFELL, Albuquerque, N. Mex., assignor to I. D. Lambert, Denver, Colo., and G. W. Johnson, Albuquerque, N. Mex. Filed May 26, 1922. Serial No. 563,906. 2 Claims. (Cl. 211—24.)



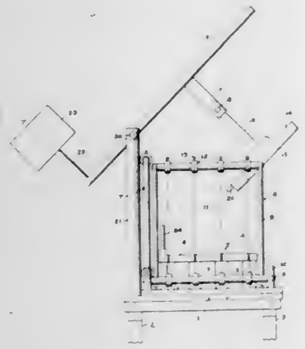
1. A display device of the character described comprising an outer tray like open topped receptacle of foraminous material provided with longitudinally extending stiffening rods, an inner receptacle of foraminous material fitting loosely within said outer receptacle and having a fabric covering adapted to be saturated with liquid and a glazed frame hinged upon the outer receptacle for closing the same.

1,509,204. APPARATUS FOR TREATING CRANBERRIES. HENRY H. HARRISON, deceased, late of Boston, Mass., by Virginia B. Harrison executrix, Boston, Mass. Filed Dec. 1, 1922. Serial No. 604,236. 13 Claims. (Cl. 146—56.)



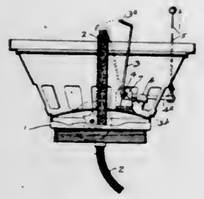
1. Apparatus for treating cranberries, comprising, in combination, means for cleaning the berries, means for puncturing the berries, means for pressing the berries to crush the soft but not the sound ones, an inclined conveyer for receiving the berries and feeding the soft ones upward while allowing the sound ones to roll down on the conveyer, means to receive the soft berries from the conveyer, a mill for perforating the sound berries, and means for conducting the latter from said conveyer to said mill.

1,509,205. TILE-MAKING MACHINE. WILLIAM A. HISLOP, Richmond, Calif., assignor to California Art Tile Co., Richmond, Calif., a Copartnership consisting of Albert C. Myers, Charles E. Cummings, Lewis J. Hislop, James W. Hislop, and William A. Hislop. Filed Oct. 18, 1923. Serial No. 669,274. 6 Claims. (Cl. 25—105.)



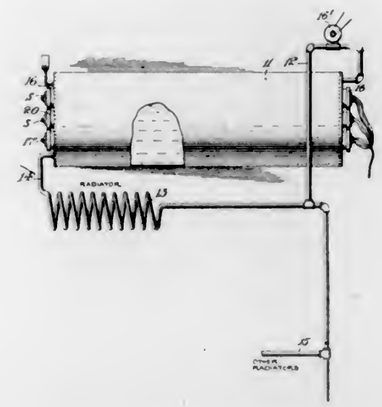
1. A tile making machine comprising a support, a bed on the support having intersecting slots therein, on which bed a slab of plastic material is adapted to rest, a cutter member mounted on the support on one side of the bed, a similar cutter member extending along an adjacent side of the bed, each of said cutting members comprising a frame and a plurality of cutting wires carried by said frame and adapted to cut through the slab and extend into the slots in said bed on movement of said cutting members downwardly over said bed.

1,509,206. SHUTTER ATTACHMENT FOR WICK-FED BURNERS. DAVID M. HOLBROOK, Portland, Oreg. Filed Dec. 13, 1923. Serial No. 680,484. 1 Claim. (Cl. 67—78.)



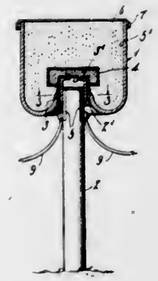
In a shutter attachment for wick fed burner, a bent arm, a shutter wick cover blade at upper end of said bent arm, a counterweight arm at the lower end of said bent arm, a counterweight attached to said counterweight arm, a bent up bar with a bearing at each end thereof, a spindle extending through said bearings and attached to said bent arm substantially as described.

1,509,207. HEATING SYSTEM. WALTER E. HUDSON, Amagansett, N. Y. Filed June 7, 1921. Serial No. 475,676. Renewed Jan. 23, 1924. 13 Claims. (Cl. 219—38.)



1. In a heating system, a boiler, a tube passing therethrough, a heating element in said tube, and ventilating insulated means for supporting the element within the tube.

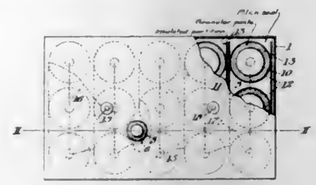
1,509,208. PROCESS AND SYSTEM OF APPLYING INSECTICIDES. JOHN C. HULL, Gasport, N. Y. Filed June 6, 1922. Serial No. 566,436. 2 Claims. (Cl. 102—20.)



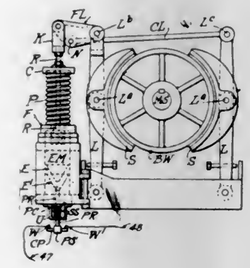
1. An insecticide container, comprising a casing having a socket therein, said casing being adapted to receive a charge of insecticide material and an explosive substance, and contacts adjacent the walls of said socket having terminals adapted to enter the container to ignite the explosive substance when an electrical current is conveyed to said contacts.

1,509,209. DEFERRED-ACTION DRY BATTERY. ALTON KARL HUNTLEY, Madison, Wis., assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 4, 1921. Serial No. 466,861. 9 Claims. (Cl. 204—38.)

6. In a battery of deferred action dry cells of the liquid activated type, a casing in which the battery cells are intermediately disposed, a liquid storage chamber on one side of said battery cells and out of contact therewith, an absorption chamber on the other side of the battery cells and opening into the cells, and means for transferring liquid from the storage to the absorption chamber.

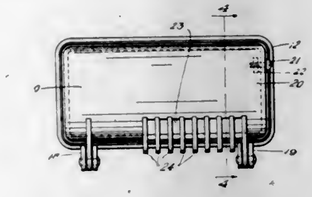


1,509,210. MEANS FOR CONTROLLING SOLENOID BRAKES. BRENT C. JACOB, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, a Corporation. Filed Nov. 25, 1922. Serial No. 603,294. 2 Claims. (Cl. 188—172.)



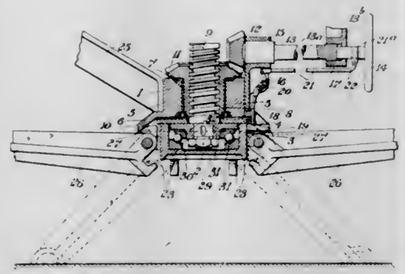
1. In combination, with mechanism for setting the brakes of power shafts when actuated by the expansive force of a compression spring, a solenoid having its core operatively related to said mechanism in opposition to said spring, and a system of co-related electrical circuits comprising a main circuit for energizing said solenoid having resistance therein, a subsidiary circuit for reducing said resistance, provided with a contactor-switch, a subsidiary circuit for closing said contactor-switch, and a normally-open shunting circuit for cutting out remaining resistance, together with means for closing said shunting circuit, substantially as shown and described.

1,509,211. ELECTRIC LAMP. JOSEPH B. KAUSAL, Chicago, Ill. Filed June 28, 1922. Serial No. 571,459. 5 Claims. (Cl. 240—11.)



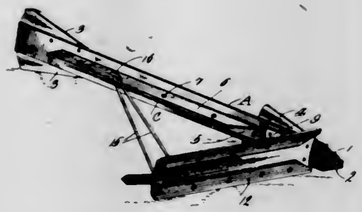
1. A lamp comprising a casing containing a source of light and having an opening therein; and a plurality of members arranged across said opening, said members projecting beyond said opening at one side thereof and gradually tapering inwardly to the opposite side of said opening, said members in cross section being bevelled in opposite directions.

1,509,212. TURNTABLE LIFTING JACK GENERALLY FOR MOTOR ROAD VEHICLES AND THE LIKE. HENRY STUART KEIGHTLEY and GEORGE ARTHUR GODFREY, Newcastle-on-Tyne, England. Filed May 7, 1923 Serial No. 637,215. 7 Claims. (Cl. 254—87.)



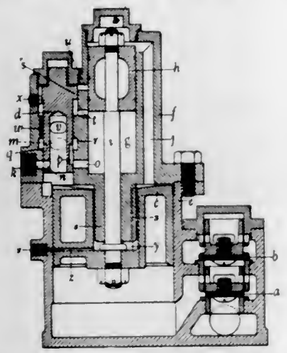
1. A lifting jack comprising a body portion composed of a pair of sections, means connecting said sections effective to separate them, means connecting one of said sections with a device to be lifted and suspending said body portion from such device, legs carried by the other section engageable with a support whereby separation of said sections results in lifting of the device with which the first section is connected, and means whereby said legs are automatically elevated above said support when said sections are moved towards one another.

1,509,213. DRAG IMPLEMENT. ROBERT A. MOORE, Balmorhea, Tex. Filed Jan. 26, 1924. Serial No. 688,843. 1 Claim. (Cl. 37—173.)



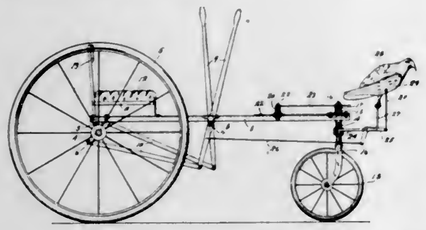
In an implement of the class described, an elongated body having its forward end tapered and provided with an aperture for receiving a clevis or the like, a plurality of fins arranged on the body so as to extend beyond its longitudinal edges, said fins being arranged in pairs, one pair being disposed adjacent the tapered end thereof and the other adjacent the other end thereof, a plate of angular construction in cross section having one portion fixed to the body and the other portion extending angularly therefrom and provided with a plurality of apertures, a wing, means for hinging the wing immediately behind the tapered end of the body, a pair of blades disposed on the wing one extending beyond each longitudinal edge thereof, said wing and said blades being curved transversely, a rod pivotally engaged with the wing adjacent its free end, means engaged with the rod for piercing the apertures of the plate whereby said wing may be held in various angular positions in relation to the body, and a handle projecting beyond the free end of the wing whereby said wing may be lifted upwardly for the purpose of inverting the implement all in the manner and for the purpose specified.

1,509,214. LIQUID PUMP AND ELEVATOR. JOHN EDWARD LEWIS OGDEN, Liscard, England. Filed May 28, 1923. Serial No. 642,082. 3 Claims. (Cl. 103—48.)



1. In liquid pumps and elevators, the combination with a pump piston, means for admitting liquid to be pumped to one side of the piston, means for admitting operative pressure fluid to the opposite side of the piston, means for permitting the exhaust of the pressure fluid, a second piston connected with the pump piston having its opposite sides open to the exhaust means and the pressure fluid whereby to cause the suction stroke of the pump piston and to assist the delivery stroke of the latter.

1,509,215. TRICYCLE. HARRY SLATER, Hawthorne, Calif. Filed Apr. 19, 1923. Serial No. 633,122. 2 Claims. (Cl. 208—38.)

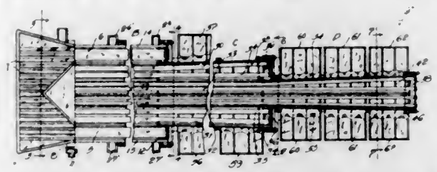


1. A vehicle comprising a frame, a pair of wheels supporting the same at the rear thereof, a crank shaft mounted in said frame and forming an axle on which said wheels are mounted, a seat secured to said frame adjacent the rear thereof, a shaft extending transversely of said frame forward of said seat, hand levers mounted on said shaft having handle portions extending above the frame and portions extending below the frame, connections from the lower end of said levers to said crank shaft for turning the same and said wheels, a bracket at the front of said frame, a figure having pivoted wings supported on said bracket, a bell crank lever fulcrumed on said bracket, links connected at one end to one arm of said lever and at their other ends to said wings, and a link connected at one end to the other arm of said lever and at its other end to one of said handles whereby said wings will be flapped when said vehicle is propelled.

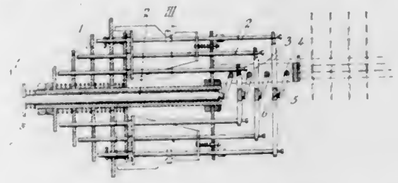
1,509,216. FRUIT-GRADING MACHINE. ANDREW C. TULIUS and FLOYD VALLEAU, Elk, Wash., assignors of one-third to William Kroll, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 704,946. 3 Claims. (Cl. 130—32.)

1. In a fruit grading machine, the combination with a pair of endless belts and operating means therefor,

of a pair of guide boards for said belts each having a longitudinal rib for inwardly tilting the upper flights of said belts to form a trough, means for relatively adjusting said guide boards, and means for engaging the inner edges of said belts to spread them to permit various sizes of fruit to fall therebetween.

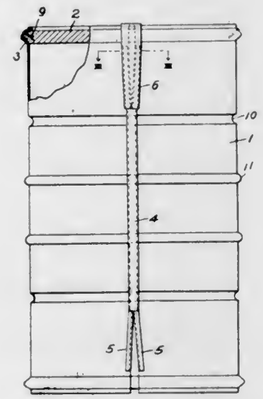


1,509,217. SELF-INDICATING TARGET. ANTON VANGEN, Vestmarken, Norway. Filed Mar. 26, 1924. Serial No. 702,065. 3 Claims. (Cl. 124—15.)



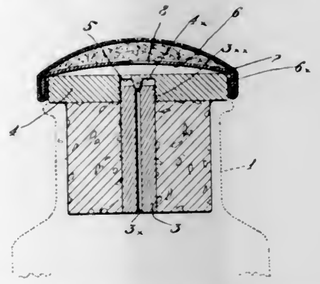
1. In a selfindicating target a number of annular target sections having independent universal motion about their center, means for transmitting the motion of each annular target section to one of a set of spiders mounted behind the target sections, indicators for each target section, pivoted to swing in planes perpendicular to the target axis behind the target sections, transverse shafts pivoted behind each spider, said shafts having one substantially vertical arm in engagement with the center of the spider and one substantially horizontal arm engaging said pivoted indicator, for transmitting motion from the center of each spider to the corresponding indicator.

1,509,218. CONTAINER. JAMES V. WALSH, Knoxville, Pa. Filed Feb. 27, 1923. Serial No. 621,519. 2 Claims. (Cl. 220—80.)



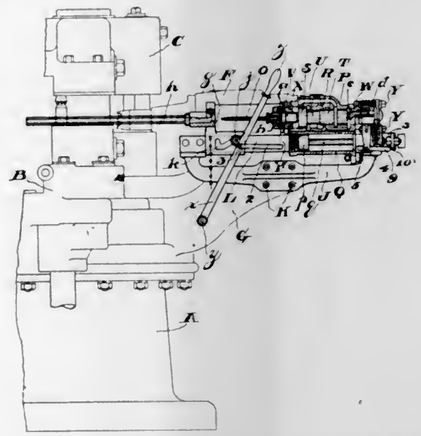
1. A container formed of an integral web of flexible material grooved along one edge and shaped to cylindrical form, the groove along the edge of the web forming an internal circumferential groove at one end of the cylinder, the meeting edges of the web being united medially but at the grooved end of the cylinder left free, from a point inward from the groove to the edge, thus constituting a terminal split in the side of the cylinder, the edges of the split inward from the groove being recurved, such split end of the cylinder being adapted to receive within its groove a circular head, and a removable keeper adapted to interlock with the recurved edges of the web on opposite sides of the split defined above and by interlocking to hold the web of flexible material tensionally in engagement upon the periphery of a head introduced into the groove.

1,509,219. DISPENSING BOTTLE. ABRAHAM ALEXANDER, New York, N. Y. Filed June 19, 1922. Serial No. 569,393. 1 Claim. (Cl. 15—133.)



A dispensing bottle closure comprising a stopper adapted to fit within the neck of the bottle, a stem held vertically in said stopper and formed with a passageway for liquid, the stem being threaded at its upper end, a disk threaded on the stem above the stopper, the disk being provided with a projection for closing the passageway in the stem, and a body of absorbent material carried by the disk.

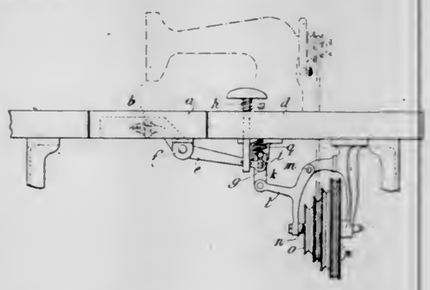
1,509,220. SHANK AND BIT PUNCH. LEWIS C. BAYLES, Easton, Pa., and ARTHUR E. PETERS, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 17, 1923. Serial No. 613,125. 13 Claims. (Cl. 76—5.)



1. In a fluid actuated machine for punching hollow articles, the combination with a cylinder and reciprocating piston bodily movable to and from the article to be punched, of an anvil block at each end of the cylinder, one anvil block being adapted to carry a pin, means for causing the piston to impart blows of impact to one or the other of the said anvil blocks according to the direction in

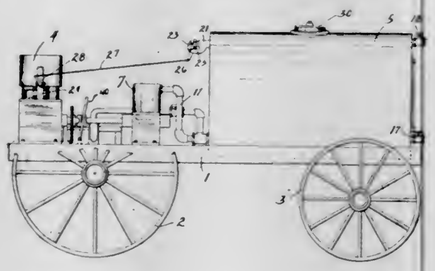
which the pin is to be driven, fluid actuated means for feeding the machine forwardly and for retracting the machine, manually actuated means for controlling the distribution of motive fluid to both the punching machine and the feeding mechanism, and means for automatically returning the said controlling means to neutral position when released from manual control.

1,509,221. CLUTCH-OPERATING MECHANISM. WILLIAM DAVID JAMES BANENDALE, London, England. Filed Dec. 9, 1919. Serial No. 343,498. 4 Claims. (Cl. 192—83.)



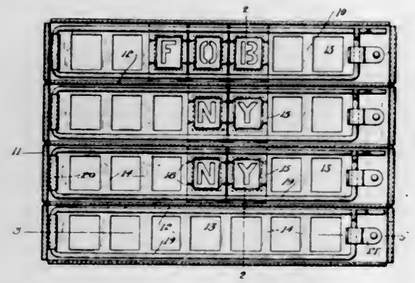
1. A clutch operating mechanism, comprising a work table, a frame supported from said table, a movable clutch member cooperating with a stationary clutch member, a lever pivoted to said frame and operative upon the movable member of said clutch, an oscillating bar pivoted intermediate its ends and connected at one end to said lever, slidable means on said table operated by pressure of a part of the body above the legs for operating said bar to move the movable clutch member into operative engagement with the stationary clutch member, and means whereby said lever, said bar and said slidable means will be automatically restored to normal, and said movable clutch member will be permitted to move out of engagement with said stationary clutch member, when said pressure is removed.

1,509,222. SPRAYING APPARATUS. GEORGE G. BAYNE, Bushnell, Ill. Filed Feb. 24, 1920. Serial No. 360,555. 1 Claim. (Cl. 299—43.)



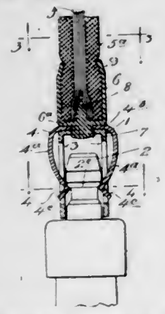
A spraying apparatus including a tank, separate pumps for introducing both air and liquid into the tank, a motor for driving said pumps, a spraying nozzle, connections to the nozzle from the top and bottom of the tank, means for maintaining substantially constant air pressure in the tank, said means including a pressure actuated valve having a connection to the speed governor of the motor whereby as the pressure within the tank increases, the speed of the motor is decreased and vice versa, and clutch and gear connections from the motor to the liquid pump whereby the same may be operated simultaneously, with the air pump at will.

1,509,223. STENCIL. PETER BEGHETTI, San Francisco, Calif. Filed Dec. 27, 1922. Serial No. 609,190. 2 Claims. (Cl. 101—128.)



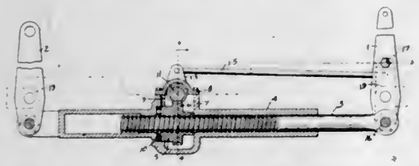
1. A stencil comprising a frame formed with a plurality of rows of apertures, a plurality of individual stencil plates adapted to register with said apertures, each plate having an upstanding flange at its end and a U-shaped member pivoted at one end to the frame in line with each row of apertures and adapted to fit within the upstanding flange of the said stencil plates and means for latching the said U-shaped member in position on the frame.

1,509,224. ELECTRIC TERMINAL. GEORGE H. E. BERTHOLD, East Orange, N. J., assignor to Rajah Auto Supply Co., Bloomfield, N. J., a Corporation of New York. Filed Apr. 3, 1923. Serial No. 629,563. 4 Claims. (Cl. 173—269.)



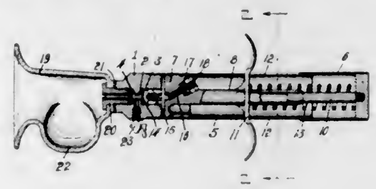
1. An electric terminal comprising a ferrule provided with slots, and having an open end, a clip secured to the opposite end of the ferrule and having spring-like arms located outside of the ferrule and extending into said slots, and means to secure the terminal to an electric conductor with the ferrule disposed axially thereof.

1,509,225. SLACK ADJUSTER FOR VEHICLE BRAKES. AMEL B. BROLUSKA, Detroit, Mich. Filed June 12, 1922. Serial No. 567,502. 3 Claims. (Cl. 188—202.)



2. In a slack take-up mechanism for vehicle brakes, a thrust member comprising inner and outer telescoping members, the inner member having a screw-threaded portion and the outer member having a housing through which said screw-threaded portion extends, a nut axially confined within said housing and engaging said screw-threaded portion, a shaft journaled in said housing transversely to the axis of said nut, a drive connection from said shaft to said nut, a chambered rock arm pivoted upon said shaft, a pawl and ratchet drive connection to said shaft from said rock arm, within the chamber of said arm, a brake lever connected to one end of said thrust member, and a lost-motion drive connection from said lever to said shaft, effective only upon taking up of the lost motion through an abnormal angular movement of the lever.

1,509,226. BREAST PUMP. EARL D. BROWN, Toledo, Ohio. Filed Apr. 27, 1922. Serial No. 556,836. 2 Claims. (Cl. 128—281.)



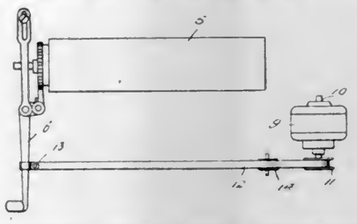
1. In a breast pump, a body having an axial passage with its inner end enlarged to form a valve chamber, and its outer end interiorly threaded, a slotted cylinder secured at its inner end to the inner end of the body, a cap secured to and closing the outer end of the cylinder, a reciprocal piston in the cylinder having a stem provided with an axial socket, a guide stem secured to the closed end of the cap and slidably received in the socket of the piston stem, operating means for the piston connected to the stem thereof, and extending through said cylinder slots, a coil spring encircling the piston and guide stems and abutting the closed end of the cap at one end and the operating means for the piston at its opposite end, a valve in said valve chamber of the body, a valve controlled passage in the piston, a breast cup, and a screw having an axial passage extending through the closed end of the breast cup and threaded into engagement with the said interior threads at the outer end of the body and having a head engaged against said closed end of the breast cup.

1,509,227. PROCESS OF MAKING A LEAD-ALKALI-METAL ALLOY. WILLIAM S. CALCOTT, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 23, 1922. Serial No. 596,517. 7 Claims. (Cl. 75—1.)

1. The process of making an alloy of lead and an alkali-metal, which comprises heating the two metals together to form a molten mass, and excluding oxygen therefrom by maintaining over the upper surface of the molten alloy a liquid layer of a substance which will not contaminate said alloy, and which has a boiling point above, and a melting point substantially below, the temperature of said molten alloy.

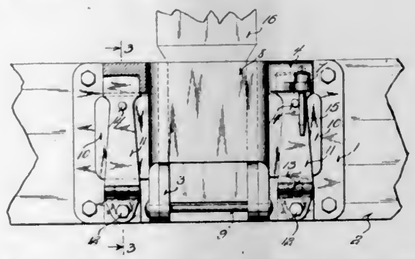
1,509,228. AUTOMATIC CARRIAGE-REVERSING MECHANISM FOR TYPEWRITERS. JOSE M. CARINO, Washington, D. C. Filed Mar. 7, 1923. Serial No. 623,353. 1 Claim. (Cl. 197—66.)

In a typewriting machine, a normally closed switch mounted upon the frame of the machine, a normally open switch mounted upon the frame of the machine, said switches being located in the path of movement of the carriage of the machine and at the end of the path of movement, an electric motor, means operatively connecting the electric motor with the carriage reversing bar and the line spacing bar of the machine, an electric circuit connected with the normally closed switch and with the motor, and connected with one of the terminals of the normally open switch, a condenser connected with the electric circuit at the opposite side of the normally closed switch, an open conductor connected with the opposite side of the normally open switch, means adapted to be manually operated for closing said conductor, a magnet connected with the first mentioned circuit and



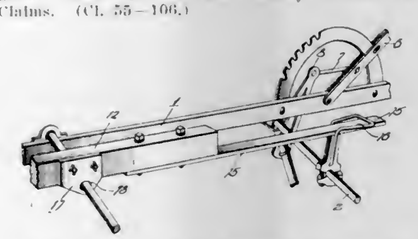
the open conductor, resistance means interposed between the magnet and the electric circuit, and an armature controlled by the magnet and movable to connect the electric circuit with the said open circuit.

1,509,229. STAKE HOLDER. AUGUSTINE J. CECIL, Oconto, Wis. Filed Mar. 26, 1924. Serial No. 701,971. 3 Claims. (Cl. 105—383.)



2. A stake holder comprising a body member having outwardly projecting spaced flanges, slotted lugs extending outwardly from the upper portion of said body member, a movable U-shaped member enclosing said flanges and pivoted adjacent its lower end to said flanges, said movable member having outwardly projecting ears, and a pair of latches pivoted adjacent their lower ends to said body member and adapted to have their upper ends positioned within said slotted lugs, said latches being jointed adjacent their pivoted ends.

1,509,230. IMPLEMENT POLE CONNECTION. HENRY P. CORBIN, Moline, Ill., assignor to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Sept. 22, 1922. Serial No. 589,756. 9 Claims. (Cl. 55—106.)



1. In an implement, a pole mounted to swing in both horizontal and vertical planes, an oscillatable shaft, and means carried by the shaft cooperating with the end of the pole and serving to prevent the pole from swinging in a horizontal plane when the shaft is in one position, but permitting a limited swinging movement when the shaft is in another position.

2. In an implement, a pole mounted to swing in both horizontal and vertical planes, an oscillatable shaft, and means carried by the shaft cooperating with the end of

the pole serving to prevent the pole from swinging in a horizontal plane when the shaft is in one position and, when the shaft is in another position, permitting a limited movement in a horizontal plane, but preventing the pole from swinging downward.

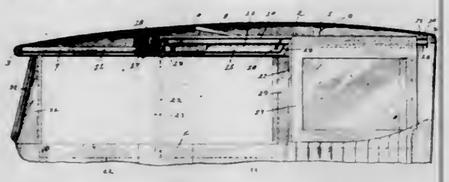
3. In an implement, a pole mounted to swing in both vertical and horizontal planes, an oscillatable shaft, and a loop member carried by the shaft serving to prevent the pole from swinging in a horizontal plane when the shaft is in one position and serving, when the shaft is in another position, to hold the end of the pole against vertical movement in one direction, but permitting a limited amount of horizontal movement.

4. In an implement, a guiding pole mounted to move in both horizontal and vertical planes, a swinging crank axle for raising and lowering the implement, and means carried by the crank axle cooperating with the end of the pole for automatically locking the pole to the machine when the machine is raised and for automatically releasing it to permit the pole to move laterally relative to the machine when the machine is lowered.

6. A beet puller having a laterally movable pole, pivotal connections for raising and lowering the puller, and means carried by the pivotal connections cooperating with the pole for automatically locking the pole to the machine when it is raised and for automatically freeing the pole to permit it to move relative to the machine when the machine is lowered.

9. A beet puller having steering wheels, a crank axle, means for swinging the crank axle to raise and lower the puller, the steering wheels being mounted so as to be out of contact with the ground when the machine is raised, a guiding pole mounted to move laterally relative to the puller, and means carried by the crank axle cooperating with the end of the pole for automatically locking the tongue rigidly to the puller when the latter is raised and for automatically freeing the pole to render it inoperative as a guiding means when the puller is lowered.

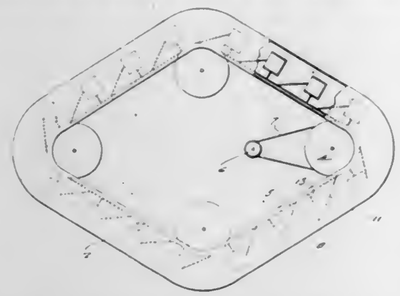
1,509,231. SLIDING CURTAINS FOR AUTOMOBILES. JAMES E. DONNELL and FRANK L. GLOVER, San Francisco, Calif. Filed Apr. 17, 1923. Serial No. 632,668. 4 Claims. (Cl. 296—47.)



3. In a device of the character described, a supporting member comprising a central body portion provided with a forward extension and a rearward extension; an upper and a lower groove formed upon the rearward extension and the central portion; a groove formed in the forward extension and the central portion, said groove being spaced below the grooves of the central portion and the rearward extension; and a plurality of angularly disposed grooves formed in the body portion, and arranged in pairs, one pair of said grooves communicating with the upper groove, and another pair of said grooves communicating between the lower groove and the groove in the forward extension; said grooves combining to form tracks for a pair of side curtains independently mounted thereon.

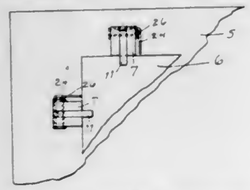
1,509,232. AMUSEMENT STRUCTURE. WILLIAM HUSTON FORSYTHE, Fort Collins, Colo. Filed June 16, 1924. Serial No. 720,377. 3 Claims. (Cl. 104—53.)

2. An amusement structure comprising a floor, a superstructure in the form of a tunnel erected thereon, the said tunnel being composed of sections which are disposed in the form of a diamond, pulleys journaled for rotation at the corner portions of the tunnel and having peripheral portions which pass through the inner walls of the sections of the tunnel, a cable trained around the pulleys and arranged to move in an orbit through the



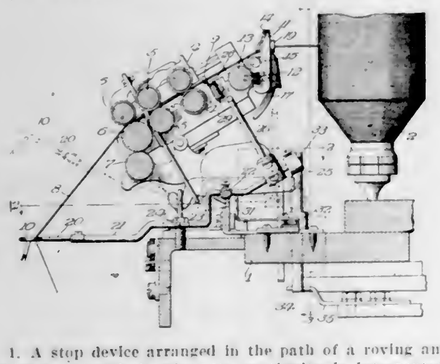
tunnel, means for rotating one of the pulleys and wheel mounted carriages connected at intervals in the cable and arranged to move through the tunnel and upon the floor.

1,509,233. PLATEN-PRESS GAUGE. LEWIS T. GARDNER, Oakland, Calif. Filed Aug. 31, 1923. Serial No. 660,401. 3 Claims. (Cl. 101—415.)



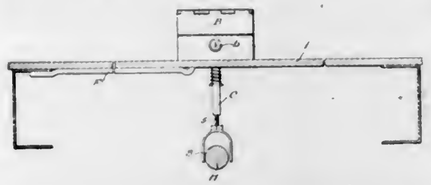
1. In a gauge of the character described, a block, a dove-tail slot formed on the upper surface of said block, a clamping member pivoted to said block, a cam supported in said clamping plate, and means for moving said cam for the purpose of causing said clamping plate to move toward said block throughout a greater portion of its length.

1,509,234. SPINNING AND TWISTING FRAME AND THE LIKE. JOHN P. GAREY, Elmira Heights, N. Y. Filed July 12, 1922. Serial No. 574,509. 14 Claims. (Cl. 117—33.)



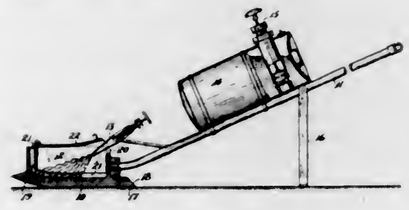
1. A stop device arranged in the path of a roving and adapted to catch it when its continuity is interrupted, said device comprising a block, a member pivoted on the block on an axis at right angles to the roving and having a gripping portion for such roving, and a trigger cooperating with such member to first partially rotate and then cause it to drop by gravity and thereby grip the roving.

1,509,235. THEFT DETECTOR FOR AUTOMOBILES. JOSEPH G. GIULIANI, Washington, D. C. Filed May 2, 1923. Serial No. 636,253. 15 Claims. (Cl. 177—314.)



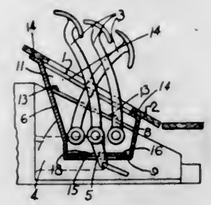
1. An automobile theft alarm comprising alarm means mounted on the body of the vehicle, actuating means extending between said alarm means and a portion of the vehicle substantially at the longitudinal center thereof and with respect to which the body is moved, when additional weight is applied thereto, for setting said alarm means into operation on such movement.

1,509,236. PAVING IRON. FRED E. GREENE, Berkeley, Calif. Filed Nov. 15, 1921. Serial No. 515,198. 2 Claims. (Cl. 158—27.)



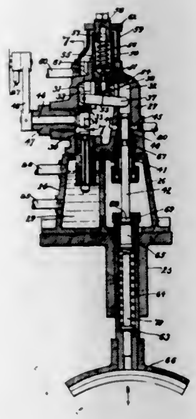
1. A paving iron comprising a base having a smoothing surface, a heating compartment overlying the same, a burner extending into the compartment, a handle for said base, a fuel tank for the burner mounted on said handle, said heating compartment having an opening surrounding the burner for the admission of air and being formed with ventilating flues extending upwardly from the bottom at both sides and one end thereof, and a hinged cover for said compartment.

1,509,237. DRAFT-PREVENTING DEVICE FOR AUTOMOBILES. WILLIAM B. HARRIS, Denver, Colo. Filed Feb. 12, 1924. Serial No. 692,311. 3 Claims. (Cl. 180—77.)



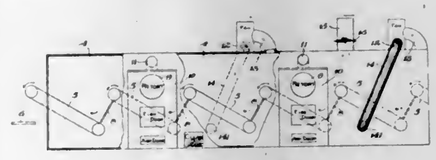
3. A draft excluding casing having a bottom, forward and rear walls and inner and outer walls, the bottom being provided with an opening for receiving a pedal arm and the inner wall having its lower portion cut out to receive a portion of a motor and provide an upper wall portion having at its lower edge a flange for receiving fasteners to secure the inner wall to the upper face of a motor, and a bottom plate fitting into said casing and resting upon the bottom thereof and having an opening for registering with the opening in the bottom of the casing, said plate having a slit leading from its inner edge to the opening formed in the plate whereby the pedal arm may be passed through the slit and into the opening.

1,509,238. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. LOUIS ILLMER, Cortland, N. Y. Filed Apr. 19, 1918. Serial No. 229,556. 36 Claims. (Cl. 123—140.)



1. A pump comprising a plunger, a suction valve and a positively opened discharge valve, a relatively rigid actuating gear for reciprocating said plunger, an intermediary resilient drive adapted to yield against said plunger during a portion of the discharge stroke movement of the actuating gear, means for opening said discharge valve to allow said drive to recover and impel the plunger onward, and means adapted to utilize only the initial portion of the impulsion stroke for the effective pump delivery through said discharge valve.

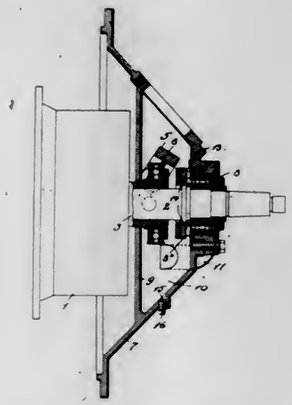
1,509,239. CARBONIZING APPARATUS. MATHEW F. KEVLIN, Philadelphia, Pa., and JULIAN S. JACOBS, Springfield, Vt., assignors to John T. Slack Corporation, Springfield, Vt., a Corporation of Vermont. Filed Mar. 6, 1924. Serial No. 697,251. 4 Claims. (Cl. 8—12.)



4. Wool carbonizing apparatus comprising the combination with a continuous dryer, a closed chamber, and a retort by which a carbonizing reagent is gasified and the gas supplied to the said chamber, of a series of endless traveling aprons within the said chamber, to the first of which the dried stock is supplied by the said dryer, said aprons successively supporting the stock, feeding it along within the chamber until the stock is delivered by a final apron, and respectively dropping the stock in a loose state from a relatively elevated delivery portion of one thereof to a relatively lower receiving portion of the next succeeding apron, and a fan and flue

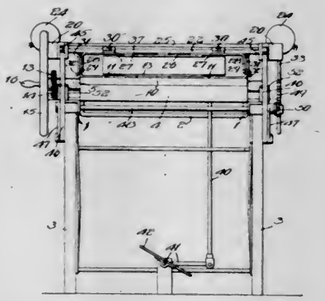
arrangement by means of which the gas-charged atmosphere is withdrawn from the upper portion of the interior space of the chamber and discharged into the lower portion of such space below the conveyor aprons.

1,509,240. AUTOMOBILE LUBRICATION. VALENTINE C. KLOEPPER, St. Louis, Mo., assignor of one-half to A. J. Kessinger, Detroit, Mich. Filed Apr. 29, 1921. Serial No. 465,567. 5 Claims. (Cl. 192—113.)



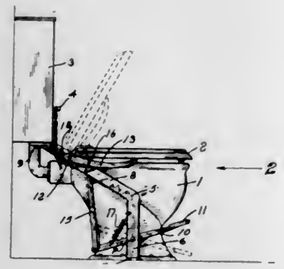
1. The combination, in an automobile, with the clutch mechanism proper and its connected actuating sleeve-and-lever, and the housing enclosing the sleeve-and-lever connection, of a partition-wall attached to the housing-wall and forming with the housing wall a lubricant-containing well for the splash lubrication of such sleeve-and-lever connection.

1,509,241. INNER-SPRING MATTRESS AND CUSHION MAKING. JULIUS KRAMER, Chicago, Ill., assignor to Pullman Davenport & Upholstered Furniture Company, Chicago, Ill., a Corporation of Illinois. Refiled for abandoned application Serial No. 427,151, filed Nov. 29, 1920. This application filed Nov. 17, 1922. Serial No. 602,919. 3 Claims. (Cl. 226—46.)



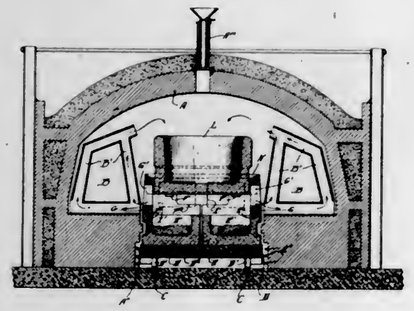
1. In a cushion making machine, a base comprising a fixed central plate and movable side plates extending under the opposite edges of the central plate, and with the outer edges of the side plates turned upwardly, in combination with a cover comprising a fixed central plate and slidable side plates engaging over the opposite edges of the central plate and having their outer edges turned downwardly, engaging blades at the outer edges of the cover side plates whereby the upturned edges of the lower side plates are engaged on both sides thereof, and means including a hand wheel at one side of the machine for moving the side plates of the base laterally carrying with them the side plates of the cover in both directions of adjustment.

1,509,242. COVER LIFTER. SHICHIGORO KUNO, Denver, Colo. Filed Oct. 12, 1923. Serial No. 668,094. 3 Claims. (Cl. 4—251.)



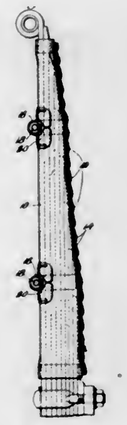
1. In an attachment for water closet seats having covers, the combination with a bracket having one end adapted to be connected to a floor and the other adapted to be secured to a stationary member, a lever pivoted intermediate its ends to said bracket near the lower end thereof, a second lever pivotally connected to said bracket near the upper end thereof, said lever having one end turned at an angle thereto and adapted to engage the lower side of the cover, a link connecting the lower lever with the upper lever in such a manner that when the lower lever moves in a clockwise direction, the upper lever will move in a counter-clockwise direction, and a chain connected to the rear end of the upper lever said chain being adapted to be connected to a flush leevr.

1,509,243. MELTING-FURNACE CAR. WALTER S. KUPFER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,873. Renewed Mar. 17, 1924. 4 Claims. (Cl. 25—142.)



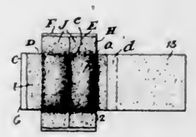
1. A car of the character specified comprising a refractory superstructure shaped to provide a seat for a melting pot and a chamber beneath said seat adapted to receive and retain pot spillage and having portions projecting above said seat and adapted to hold pot fragments on the car in case of breakage of a pot mounted on said seat.

1,509,244. SPRING COVER. CARLISLE A. LINCOLN and EDWIN F. ROSSMAN, Buffalo, N. Y., assignors to The Houdaille Company, Buffalo, N. Y., a Corporation of Delaware. Filed Nov. 27, 1923. Serial No. 677,236. 6 Claims. (Cl. 267—37.)



3. A spring cover comprising a resilient plate provided with a tubular portion and relatively flat flanges extending therefrom, the plate being constructed and arranged to be distorted when applied to the cross bolt of a spring clip and to grip the underside of the cross bolt firmly when in place.

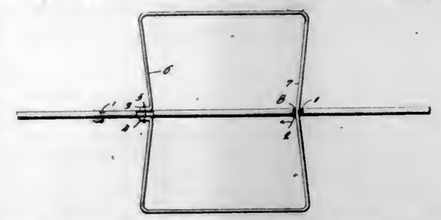
1,509,245. RING BOX. ANDREW BROWN MACLAREN, Toronto, Ontario, Canada, assignor to E. & A. Gunther Co. Ltd., Toronto, Ontario, Canada. Filed Dec. 18, 1920. Serial No. 431,792. 3 Claims. (Cl. 211—28.)



1. As a new article of manufacture, a ring-holder comprising a flat ring-card coated with suitable adhesive material on one side, and provided with a central opening therethrough, and further provided with scored lines located to form side- and end-flaps which are adapted to be broken down; a padding gummed to said card down each side of said opening in such manner as not to overlap said side- and end-flaps, and a covering for said padding adapted to be gummed to said side- and end-flaps and over said padding, and to extend through said opening in the form of a loop.

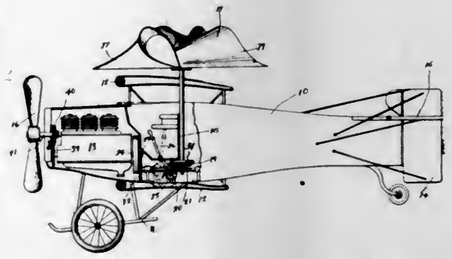
1,509,246. SELF-LOCKING WIRE-REEL GUARD. OWEN C. MAHON, Chattanooga, Tenn. Filed May 18, 1921, Serial No. 470,653. Renewed Feb. 26, 1924. 1 Claim. (Cl. 242—77.)

A self-locking reel guard comprising a shaft having an inwardly depressed portion forming a seat, a spring guard pivoted to said shaft and having its free end engageable in the seat, a guard retaining element projecting outwardly from the shaft adjacent the seat and



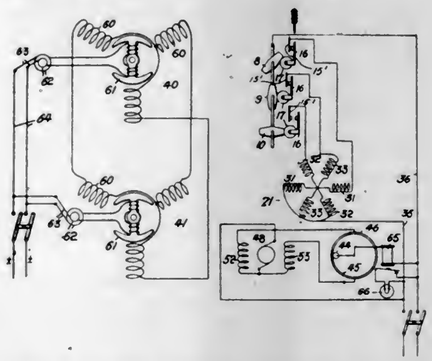
having an overhanging guard-engaging portion provided with an inclined surface for guiding the frame into locking engagement with the seat and retaining member.

1,509,247. AIRCRAFT. JOSEPH MANSELLI, Mount Vernon, N. Y. Filed July 7, 1923. Serial No. 650,089. 2 Claims. (Cl. 244—15.)



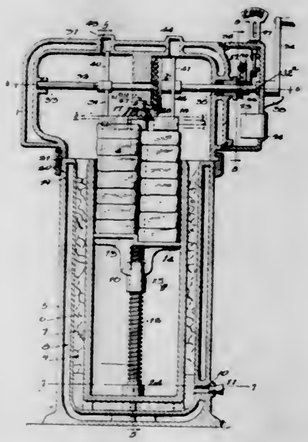
1. In an air craft, a helicoplane, and means for warping portions of said helicoplane, said means including a tubular shaft, a shaft slidable in said tubular shaft, a portion of said helicoplane attached to said tubular shaft, and a portion attached to the sliding shaft, and operating means for moving the sliding shaft in one direction, and automatic means for moving said shaft in an opposite direction upon the release of said operating means.

1,509,248. SELF-SETTING TRANSMISSION SYSTEM. ELEMER MEITNER, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 10, 1918. Serial No. 227,680. 13 Claims. (Cl. 172—293.)



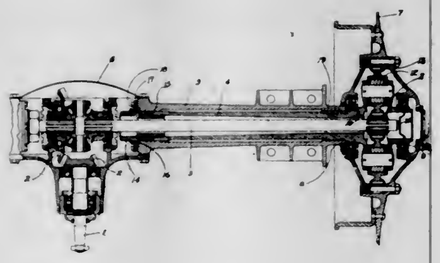
2. In a remotely controlled instrument, a plurality of electrically responsive repeating devices and means including a motor jointly controlled by said repeating devices for exerting a torque on one of said repeating devices.

1,509,249. VENDING MACHINE. LEWIS CARLISLE MILES and JOHN CARLISLE MILES, Boise, Idaho. Filed July 8, 1922. Serial No. 573,626. 34 Claims. (Cl. 211—8.)



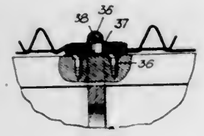
1. A vending machine comprising means to contain the vendable articles, means to cover the container during transit to the vendor, and vending mechanism adapted to be installed on top of the container which then acts as a base in place of said cover so that said articles may be vended therefrom.

1,509,250. AXLE CONSTRUCTION. LEO B. MILLER and ARTHUR J. SHRUM, Chicago, Ill. Filed July 20, 1921. Serial No. 486,090. 8 Claims. (Cl. 74—56.)



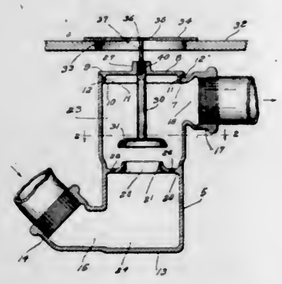
5. In combination, a housing having a cylindrical seat at each end, a recess in one of said seats, a hollow nut having a flange received within said recess, a collar secured to said housing for locking said flange in place, a tubular member having a bearing surface at each end which surfaces fit within said first-mentioned cylindrical seats, a keyway in one of the cylindrical surfaces of said housing, a corresponding keyway in said tubular member, a key fitting said keyways to prevent rotation of said members, said nut having a screw-threaded extension engaging within said tubular member to move the latter longitudinally, and a drive shaft passing through said hollow nut and tubular member.

1,509,251. WING-RADIATOR FASTENING. HARVEY C. MUMMERT, Hollis, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Oct. 12, 1923. Serial No. 668,235. 5 Claims. (Cl. 244—31.)



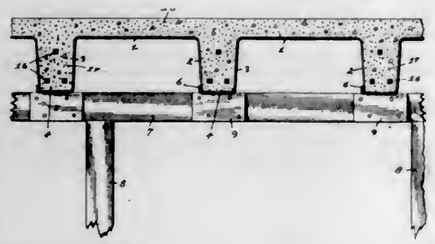
1. A fastening for skin or surface type radiators comprising means carried by and projecting out from that part or portion of the vehicle over and upon which the radiator is placed, together with other and further means and also the radiator for fastening the radiator to said vehicle part.

1,509,252. WASTE TRAP. ALBERT S. NEWTON, Providence, R. I. Filed July 15, 1924. Serial No. 726,214. 3 Claims. (Cl. 182—12.)



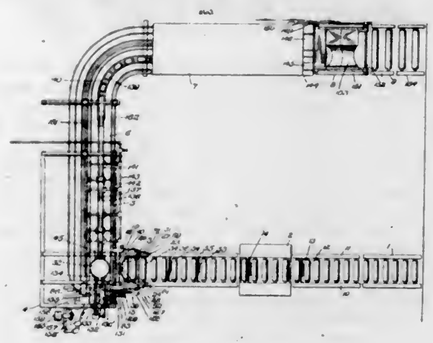
1. In a waste trap, a casing, an inlet in the lower portion of the casing, an outlet in the upper portion of the casing, an annular trough in an intermediate portion of the casing provided with perforations, a vertical depending post attached to the top of the casing, and a downwardly directed baffle plate upon the post extending over the trough.

1,509,253. CONCRETE-FLOOR FORM. RAYMOND C. PHELPS, Los Angeles, Calif. Filed Jan. 2, 1924. Serial No. 683,927. 11 Claims. (Cl. 25—131.5.)



1. A concrete floor form comprising the combination with a supporting structure consisting of a plurality of spaced transverse supporting beams, of a plurality of form pans having interlapping longitudinal edges forming depressions defining floor joist; supporting elements detachably connected to the supporting structure to engage and support the ends of the pans clear of the edges of the supporting beams whereby the pans may be removed without disturbing the supporting structure; and auxiliary pans supported above the beams and spanning the space between the adjacent ends of the form pans.

1,509,254. CAN-HANDLING APPARATUS. FRANK PILLEY, Kansas City, Mo. Filed July 15, 1921. Serial No. 484,842. 5 Claims. (Cl. 214—1.)



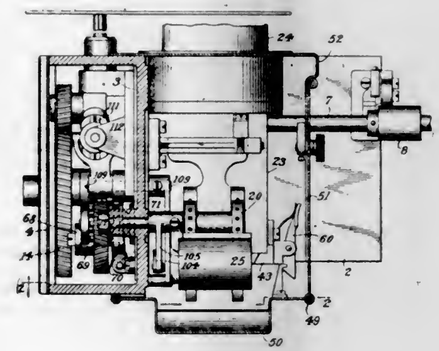
1. In an apparatus for handling milk cans, a receiving conveyor, a mixing vat, in line with the receiving conveyor, a can emptying mechanism between the conveyor and the mixing vat onto which the can is delivered by the conveyor, the can emptying mechanism having means for lifting the can to a point above the mixing vat, a conveyor to receive the can in inverted position above the mixing vat, means for transferring the can from the lifting mechanism to the second mentioned conveyor, a can washing apparatus through which the can is automatically passed and a can-up-ending mechanism at the end of the washing apparatus onto which the can is automatically delivered after it passes from the washing apparatus and a delivering mechanism receiving the can from the up-ending mechanism.

1,509,255. LEAD PENCIL. ABRAHAM POLLAK, New York, N. Y., assignor to Samuel Kanner, New York, N. Y. Filed July 15, 1922. Serial No. 575,279. 8 Claims. (Cl. 120—18.)



1. A lead pencil comprising an exterior tubular polygonal casing having at its forward end a tip-member, a rear interior rotary tube having at its rear end means for imparting rotary motion thereto and at its front end a nut, and lead-holding and propelling means within said casing comprising a spirally threaded screw engaging said nut and extending within said tube and having on its forward end a polygonal head engaging the inner walls of said casing, and a lead clutch member connected with said polygonal head and having a polygonal head engaging the inner walls of said casing.

1,509,256. MOVING-PICTURE MACHINE. NICHOLAS POWER, Brooklyn, N. Y., assignor to Nicholas Power Company, New York, N. Y., a Corporation of Delaware. Filed June 6, 1916, Serial No. 102,068. Renewed Jan. 26, 1922. Serial No. 532,036. 9 Claims. (Cl. 88—17.)



1. In a moving picture machine the combination of a frame or casing having two fixed walls, the other two walls being hinged together and supported on a single hinge whereby the casing may be opened from one side only or from two sides, and film feed mechanism within said casing.

1,509,257. AIR GUN OR RIFLE. MYRON R. RANDALL, Waupaca, Wis., assignor of one-half to Francis D. Randall, Waupaca, Wis. Filed Feb. 26, 1923. Serial No. 621,401. 54 Claims. (Cl. 124—10.)

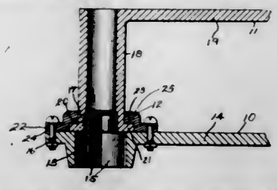


1. In a gun or rifle, a barrel, a receiver connected with the barrel, an air chamber slidable within the receiver, a plunger within the air chamber, a compressible coil spring within the air chamber at the rear of the plunger, an abutment carried by and movable with the air chamber and engaging with the spring within the air chamber, a plunger rod connected with the plunger and extending rearwardly therefrom exteriorly of the air chamber and provided with a holding element, a sear pivotally connected with the rear portion of the receiver and having a holding element to engage with the first named holding element, the holding element of the sear being arranged in advance of the pivot point of the sear whereby the forward movement of the plunger tends to shift the sear to the releasing position, and a trigger engaging the sear at a point remote from the holding element for controlling the movement thereof toward the releasing position.

1,509,258. DUPLEX WRENCH. JOHN A. REISER, Port Jervis, N. Y. Filed Feb. 10, 1923. Serial No. 618,336. 1 Claim. (Cl. 81—54.)

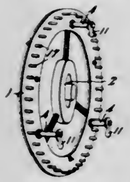
A wrench of the character described comprising a holding unit, a flange formed thereon and being provided with diametrically oppositely arranged openings, a collar provided with openings aligned with openings of the flange, means passing through the said openings for retaining the collar operatively associated with the flange, a flange formed on the collar and overlying the

flange of the holding unit to provide a recess therebetween, a nut engaging portion formed at the lower end of the holding unit, a turnable unit rotatable in the said



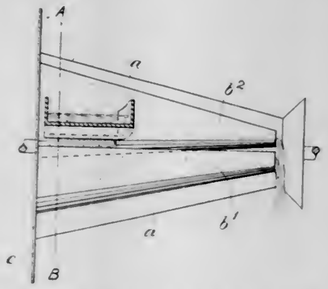
recess, a tubular portion formed thereon and being provided with a nut engaging portio aligned with the first mentioned nut engaging portion as and for the purpose specified.

1,509,259. METHOD AND APPARATUS FOR MANUFACTURING CUSHION TIRES. CARL E. RETT and GEORGE S. ANDERSON, Akron, Ohio, assignors to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Apr. 10, 1923. Serial No. 631,194. Renewed Aug. 7, 1924. 11 Claims. (Cl. 18—2.)



1. The method of manufacturing cushion tires which consists in associating a rim with a template, building up the tire base structure in the rim to the depth gauged by the template, holding the rim in a definite position on the template, placing crosswise, at intervals, blocks of rubber of a length greater than the width of the finished tire and at intervals substantially greater than the diameter of the holes in the finished tire, placing the tread structure around the blocks, removing the rim and its contents from the template, inserting the same in a compressing and vulcanizing mold, subjecting the mass to vulcanizing temperature and thereafter removing the tire from the mold and trimming the excess rubber therefrom.

1,509,260. SAND AND LIKE WASHING AND SEPARATING MACHINE. OLOF NILSSON RIKOF, Broxbourne, England. Original application filed July 14, 1921, Serial No. 484,789. Divided and this application filed Apr. 12, 1922. Serial No. 551,988. 2 Claims. (Cl. 83—86.)



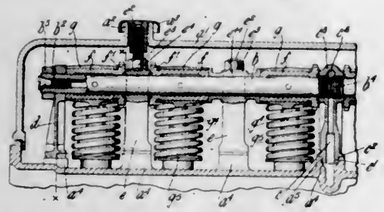
1. A device for separating the fine sand from the sludge discharged by a sand washing and separating machine, comprising a slowly revolving cone, longitudinal pockets fitted externally on said cone for the reception of the sludge, the pockets being open at the narrow, and closed at the wide end of the cone so as to retain the sludge while the sand settles and so as to decant the water at the narrow end by the gradual tilting of the pockets when passing over the cone, substantially as set forth.

1,509,261. SNOWPLOW. JOHN H. ROESKE, Normal, Ill. Filed Aug. 13, 1923. Serial No. 657,118. 2 Claims. (Cl. 37—47.)



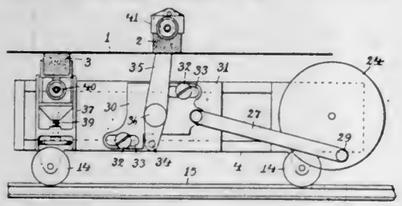
1. In a device for clearing highways of snow, a longitudinally extending frame, front and rear pairs of steering ground engaging wheels carried by the frame, a sliding snow engaging plow carried by the forward end of the frame, a rotatable drum carried by the frame, a beveled pinion carried by the frame, a rotatable post carried by the frame, a pinion carried by the post for engaging the first mentioned pinion, a cable trained about the drum and to the lower end of the plow, and means for connecting draft animals to the frame on each side thereof in rear of the snow plow.

1,509,262. VALVE MECHANISM FOR THE CYLINDERS OF INTERNAL-COMBUSTION ENGINES. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,284. 5 Claims. (Cl. 123—59.)



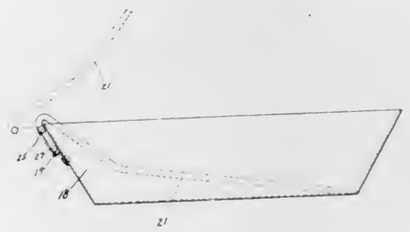
1. In valve mechanism for internal combustion engines, the combination of a valve operating member, a rocking element adapted to engage said member, a support on which said rocking member is mounted, an eccentric bush interposed between said rocking member and support and means for applying pressure axially to the bush for securing the same in position.

1,509,263. MACHINE FOR POLISHING GUT STRINGS. JOSEPH SALADINO, Chelsea, Mass., assignor to C. Saladino & Sons, Chelsea, Mass., a Copartnership consisting of Carmelo Saladino, Sr., Carmelo Saladino, Jr., Joseph Saladino, Salvatore Saladino, Michael Saladino, and Frank Saladino. Filed Dec. 4, 1922. Serial No. 604,969. 3 Claims. (Cl. 51—67.)



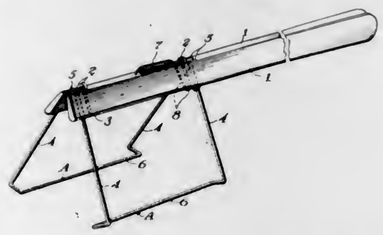
1. A string polishing machine comprising a longitudinally disposed drive shaft, a carrier adapted to move in a direction parallel with said shaft, a slide movably supported by said carrier, a plate slidably carried by said slide, an arm pivoted to said slide and having a polishing member at its upper end, means for slowly advancing said carrier and reciprocating said plate, said arm and plate being loosely connected, and means for supporting strings beneath and in contact with said polishing member, said shaft actuating said carrier and reciprocating means.

1,509,264. COOKING UTENSIL. JOHN SCHMITT, Portland, Oreg. Filed Nov. 14, 1919. Serial No. 338,026. 2 Claims. (Cl. 220—95.)



1. The combination with a cooking utensil, of two jaws opening in opposite directions provided upon the exterior of said utensil, a detachable handle comprising a pair of legs united one to the other with resilient closing effect, and jaw-engaging members consisting of bent ends formed upon the ends of said legs respectively, and united to said legs by inclinations so as to give support to the utensil in jaw-engaging assemblage.

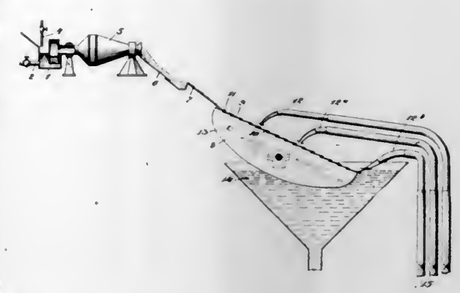
1,509,265. HANDLING IMPLEMENT. CLARE W. SHANE, Emmett, Idaho, assignor of one-half to William H. Shane, Emmett, Idaho. Filed Mar. 28, 1923. Serial No. 628,302. 1 Claim. (Cl. 294—50.)



A handling implement of the class described comprising two elongated and relatively flat handle members, means for hingedly connecting the marginal portions of the handle members for swinging movement one relative to the other, jaws carried by said handle members and extending laterally beyond the free marginal portions of the jaws, a coil spring disposed along the hingedly connected marginal portions of the handle members and positioned inwardly of and adjacent to the inner ends of the jaws, the extremities of the spring being extended through the handle members and secured to the inner ends of the jaws, said spring coacting with the handle members to automatically swing the same one away from the other.

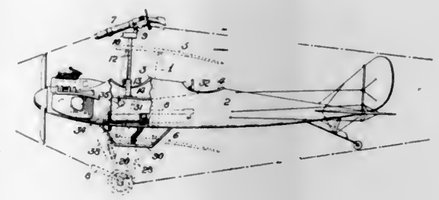
1,509,266. PROCESS OF ORE SEPARATION. CHARLES SPEARMAN, Westmount, Quebec, Canada. Filed Aug. 16, 1919. Serial No. 317,855. 7 Claims. (Cl. 83—85.)

1. The process of ore separation which includes treating the ore to endow divers contents thereof with different characteristics tending to produce segregation and agglomeration of a desired content, working the slightly moistened ore thus treated to agglomerate and bring to the surface further of the desired constituents, moving the said slightly moistened ore progressively in the form of a



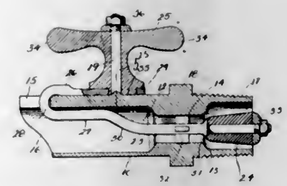
long, freely flowing sheet, and removing the desired particles from the surface of the sheet at successive stages in the course of the progress thereof.

1,509,267. AEROPLANE GUN. ELMER A. SPERRY, Brooklyn, N. Y. Filed Jan. 12, 1918. Serial No. 211,472. 16 Claims. (Cl. 89—40.)



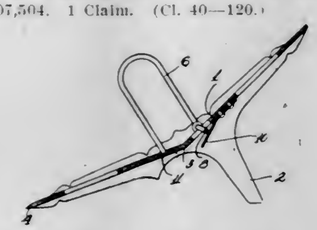
2. In combination, an aircraft, a gun carried thereby at a point below the aircraft, means for raising said gun to a point within the aircraft, and means controlled from the aircraft for firing the gun when below the aircraft.

1,509,268. FAUCET. ALBERT RICHARD SPIKINGS, Lake Placid, N. Y. Filed July 27, 1923. Serial No. 654,201. 3 Claims. (Cl. 251—39.)



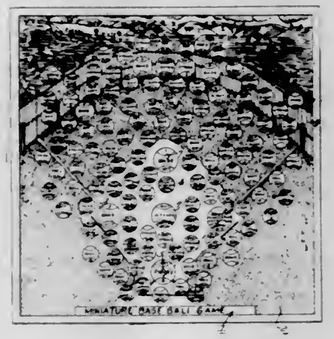
1. A faucet comprising an open ended casing having attaching means and a valve seat therein, a freely movable valve stem a portion of which extends exteriorly of said casing, means for guiding the valve stem in its movements, a valve member carried by said valve stem which coacts with said valve seat to permit or prevent the flow of fluid through said casing, and means for effecting the movement of said valve stem to cause the coaction of said valve member with said valve seat, said means including a valve actuating handle formed with an eccentric which coacts with a slot formed in the exterior portion of said valve stem.

1,509,269. CALENDAR STAND OR SUPPORT. HOBART A. STACY and GEORGE A. OLSEN, Chicago, Ill., assignors to Success Calendar Stand Company, a Firm consisting of Louise F. Stacy, George A. Olsen, and Hobart A. Stacy, all of Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,504. 1 Claim. (Cl. 40—120.)



In a calendar stand, a hinge member for the leaves, pivotally secured to the upper face of the stand and swingable in an arc from operative to inoperative position, and a yielding member secured to the lower face of said stand and co-operating with said hinge member for yieldingly retaining the same in either of its positions.

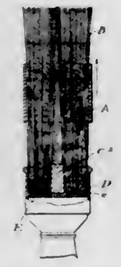
1,509,270. MINIATURE-BASEBALL GAME-BOARD APPARATUS. JAMES D. TAGGART, Drumright, Okla. Filed Dec. 3, 1921. Serial No. 519,614. 1 Claim. (Cl. 46—61.)



In a game apparatus, a game board provided with a baseball diamond thereon including a home plate, foul lines extending from the home plate, a fence connecting the terminals of the foul lines, thereby fencing off the outfield, baseball representations including baseball symbols applied upon the face of the diamond and over the outfield, the fence and beyond the fence, thereby indicating advantages and disadvantages, and a chart of symbols corresponding to the advantage and disadvantage symbols on the board, and a plurality of members having baseball representations thereon adapted to be tossed upon the game board, for cooperation with the symbols on the game board, in combination with a score card ruled with intersecting lines to define columns for the numbers of players and columns for the different innings, each column consisting of a plurality of spaces within which may be inscribed the indicia corresponding to the results obtained by registration of the playing members with the symbols on the board.

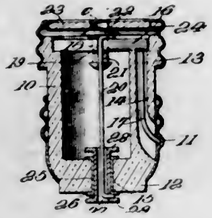
1,509,271. METHOD OF CONSTRUCTING BRUSHES. WILLIAM UNGER, Wooster, Ohio. Filed Nov. 6, 1922. Serial No. 599,426. 1 Claim. (Cl. 300—21.)

The herein described method of assembling a brush consisting in providing a bristle receiving socket with a measured quantity of liquid cement, assembling a group of bristles about a spacer plate or core with the bristle butts even, and within a pilot band shaped to register with the periphery of the said socket, then moving the spacer plate a short distance within the group of bristles so as to form a hollow space in the butt end and to loosen them to admit cement therebetween, inserting the bristles down



through the pilot band into the socket with the loose bristle butts immersed in the liquid cement, then removing the pilot band and forcing the spacer down to the bottom of the socket to bring closely together the butt end of the bristles.

1,509,272. FUSE PLUG. LUIGI VECCHIO, Schenectady, N. Y., assignor to Electrical Inventions & Development Company, Schenectady, N. Y., a Corporation of New York. Filed June 25, 1920. Serial No. 391,595. 21 Claims. (Cl. 200—130.)



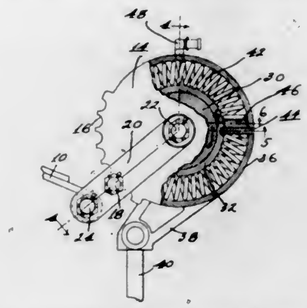
1. A fuse plug of the character described comprising a casing of insulating material having an internal chamber, a shell contact carried by said casing, a center contact, a contact member in circuit with the shell contact, a fuse wire removably connected at one end to said center contact and extended longitudinally through said chamber, means for anchoring the other end of said wire to said contact member, and means independent of the anchoring means for applying clamping pressure thereto.

1,509,273. METHOD OF OBTAINING EASILY-BLEACHED CELLULOSE FIBERS. BRUNO POSSANNER VON EHRENTHAL, Cothen, Anhalt, Germany. Filed July 8, 1921. Serial No. 483,376. 7 Claims. (Cl. 92—9.)

1. Method of obtaining easily bleached cellulose fibers from vegetable fibers and waste which consists in subjecting the raw material to an acidic hydrolytic action, treating the hydrolyzed material with dilute alkaline solutions and finally isolating the cells of the fibers by means of an oleic or fatty reagent, substantially as described.

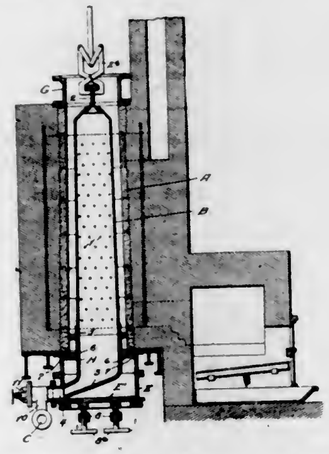
1,509,274. SHOCK ABSORBER. AXEL W. WAHLIN and CARL B. ERICKSON, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,882. 7 Claims. (Cl. 267—8.)

1. A shock absorber for automobiles including in combination, a case comprising two substantially circular plates, a bearing member therebetween adapted to be fixed to the axle of the automobile, a central pin on which the plates are adapted to rotate, arms mounted on the pin at one end, said arms having their other ends adapted to be attached to the spring of the automobile, resilient means interposed between the fixed bearing member and the rotatable case to retard relative



movement therebetween, and adjustable means between the arms and the circular plates whereby their relative positions may be changed to vary the tension in said resilient means.

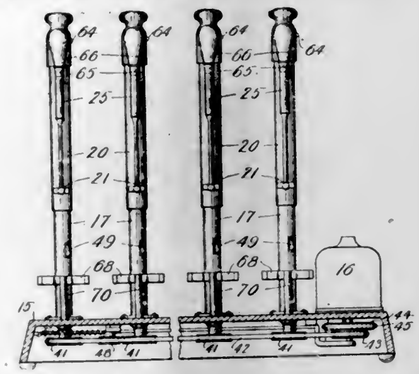
1,509,275. VERTICAL RETORT. GEORGE W. WALLACE, East St. Louis, Ill., assignor, by mesne assignments, to Economic Carbonization Company, a Corporation of Delaware. Filed Jan. 3, 1921. Serial No. 434,525. 10 Claims. (Cl. 202—14.)



1. An apparatus for distilling bituminous substances, comprising a vertical retort of substantially oblong shape in horizontal cross section provided at its lower end with an extension having a lateral outlet in the side of the same, a removable take-off duct in said retort of corresponding horizontal cross sectional shape that constitutes the sole outlet for the gases, vapors and liquids evolved in the distilling operation, and a discharge portion at the lower end of said take-off duct, arranged within the extension at the lower end of said retort and provided with a discharge opening that communicates with the lateral outlet in said extension.

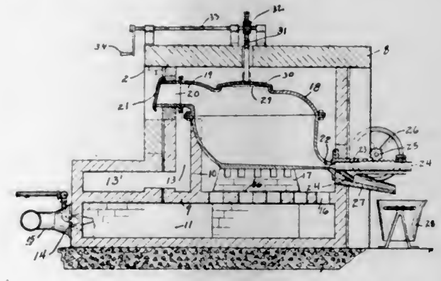
1,509,276. MIXING APPARATUS. HOWARD A. WARFEL, Yorktown, Ind. Filed Aug. 16, 1921. Serial No. 492,657. 17 Claims. (Cl. 259—131.)

1. In apparatus of the character disclosed; a plurality of tubular columns, each of said columns having a movable telescopic section, mixing elements and driving connections therefor carried within said movable column sections, driving means within the relatively fixed sections of the columns engageable with and disengageable



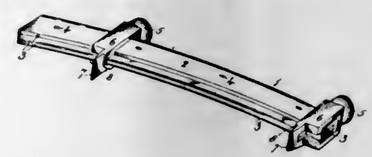
from the driving connections in the movable column sections and common operating means for said driving means in the several columns.

1,509,277. NONFERROUS MELTING FURNACE. CONRAD WEBRA, Waukesha, Wis. Filed Dec. 10, 1923. Serial No. 679,682. 8 Claims. (Cl. 263—14.)



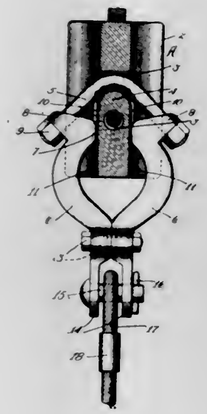
1. A melting furnace, comprising a chamber, a melting pot positioned entirely within the chamber and having horizontal extension portions provided with charging and discharging openings extending outwardly through said chamber, and means for supplying heat to said chamber and to approximately all sides and the top and bottom portions of the melting pot.

1,509,278. DEVICE FOR COATING PULLEYS WITH COMPOSITION. JOHN AGERUP, London, England. Filed July 19, 1923. Serial No. 652,603. 5 Claims. (Cl. 91—53.)



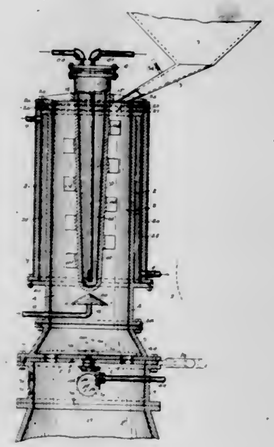
1. A device of the kind herein referred to, comprising a laterally curved holding bar provided with a longitudinal slot open at one edge of the bar, said bar being U-shaped in cross-section, and a strickle member secured in the said slot and projecting beyond the said edge of the bar.

1,509,279. STRAIN INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 289,089. 14 Claims. (Cl. 173—366.)



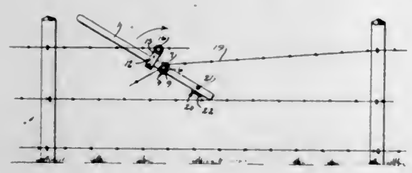
1. The combination with an elongated body of insulating material having a plurality of holes extending therethrough in a direction transverse to the direction of greatest length of said body and spaced from the ends thereof, of terminal members passing through said holes and extending in opposite directions beyond the opposite ends of said body, and means for spacing the extending portions of said terminal members from the lateral surface of said insulating body adjacent the ends thereof.

1,509,280. APPARATUS FOR TREATING GRAINS AND ORGANIC MATTER. ROBERT E. BAKER, Pittsburgh, Pa., and HARRY W. JORDAN, Syracuse, N. Y. Filed Sept. 13, 1923. Serial No. 662,586. 12 Claims. (Cl. 34—34.)



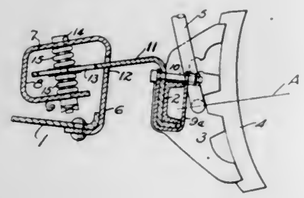
1. In a sterilizing heating unit, the combination of a main upright cylinder adapted to be filled with a column of grain, means for heating said cylinder for raising the temperature of the grain sufficiently to destroy the eggs of insects and fungus, means for effecting the gravitation of the column of grain from the cylinder at different speeds, and means for passing heated air upwardly through the grain of said column.

1,509,281. WIRE STRETCHER. LEOPOLD S. BOLD, La Farge, Wis. Filed Sept. 13, 1923. Serial No. 662,469. 3 Claims. (Cl. 254—81.)



1. A wire stretcher of the class described comprising an elongated lever, a wire clamping member carried by said lever, said wire clamping member including a cup-shaped member having a central aperture therein, a bolt having its head seated in said cup-shaped member and its shank passing through said aperture, a lock nut therefor, said cup-shaped member provided with notches in the annular flange thereof, to receive the free end of a wire, said bolt having its head portion engaging the portion of the wire extending across said cup-shaped member to clamp the same thereon.

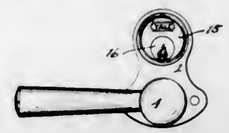
1,509,282. BRAKE-BEAM SUPPORT AND GUIDE. EDWIN G. BUSSE, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,665. 20 Claims. (Cl. 188—213.)



5. In combination, a spring plank, a brake beam, a guide element secured to said beam extending over said spring plank, and means mounted on said spring plank for yieldingly directing sliding movement of said element over the plank.

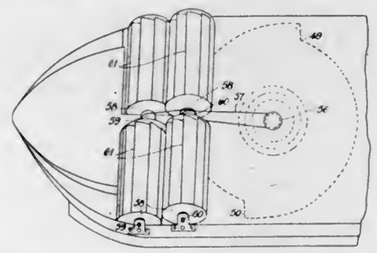
1,509,283. AUTOMOBILE DOOR LOCK. CLARENCE P. CHAMBERLIN, Birmingham, Mich., assignor of one-half to Joseph N. Smith & Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 23, 1919. Serial No. 292,033. 8 Claims. (Cl. 70—29).

1. In a door latch, an oscillatable latch operating bar square in cross section and having a portion thereof practically round in cross section, a lock, and a lock plate having a square aperture slidably fitting the square bar, and means operated by said lock to move said plate



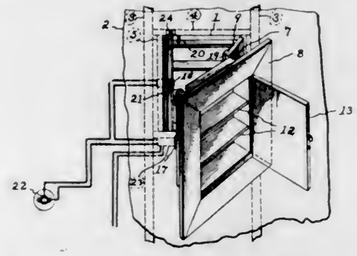
longitudinally of the bar to position the plate with the aperture encircling the rounded or the square portions of the bar.

1,509,284. CONSTRUCTION OF SHIPS, BOATS, AND OTHER VESSELS. HENRY CLAY, Camden Town, London, England. Filed Apr. 12, 1921. Serial No. 460,616. 3 Claims. (Cl. 114—67.)



1. In ships, boats, and similar vessels, the combination with a bow portion having a shallow draught and a stern portion having a relatively deeper draught, of air storage chambers arranged beneath the bottom of the vessel and rotary apparatus carried by the vessel adapted to be actuated by the motion of the vessel through the water for compressing air from the surrounding atmosphere into the storage chambers.

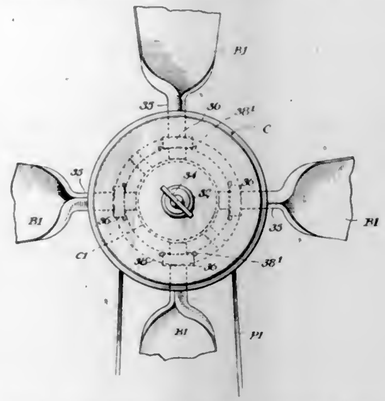
1,509,285. SECRET CABINET. MAX COLBOW, Jr., Cleveland Heights, Ohio. Filed Dec. 21, 1923. Serial No. 682,116. 9 Claims. (Cl. 20—1.11.)



1. A device of the character described, including a wall formed with a recess providing an inner cabinet, a movably mounted outer cabinet adapted to close the mouth of the recess, and a laterally projecting frame carried by the outer cabinet and arranged to fit against the wall and conceal the recess when the outer cabinet is in a closed position.

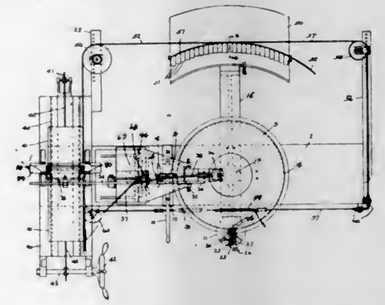
1,509,286. RADIATOR FAN. ELI FRANKLIN COLBY, Lake Mills, Iowa. Filed Aug. 8, 1922. Serial No. 580,511. 12 Claims. (Cl. 170—162.)

1. In a fan structure of the character described, annular casing having a plurality of radial openings, a plurality of fan blades, one for each of said openings, said fan blades in each instance having an inner end stem portion adapted to be extended within the opening of the casing, a pinion carried upon the inner end of each



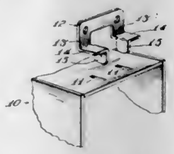
fan blade stem, and a ring gear carried by the casing adapted to mesh with said pinions whereby to lock the fan blades against turning movement.

1,509,287. ENGRAVING MACHINE. GEORGE E. ECKLER, Akron, Ohio, assignor to The Franz Foundry & Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 19, 1922. Serial No. 530,490. 15 Claims. (Cl. 90—13.1.)



1. In mechanism of the character described, the combination of a rotatable work-holder, a rotary cutter-spindle oscillatory about a transverse axis, and means including a template in the form of a pattern of the design to be cut, said template being adapted to correlate a rotative movement of said holder and oscillatory movement of said spindle.

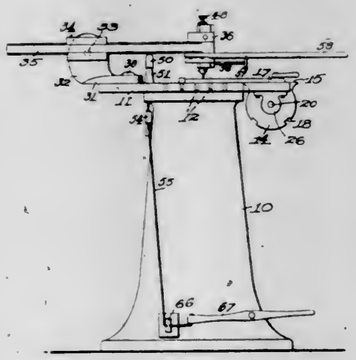
1,509,288. OUTLET BOX. SYLES R. FRALICK, Chicago, Ill. Filed Nov. 24, 1920. Serial No. 426,137. 1 Claim. (Cl. 247—21.)



The combination of an open-sided box member having parallel slots at right angles to an edge of its open side, and a ductile sheet metal attaching member having an ear arranged to stand at a right angle to the slotted

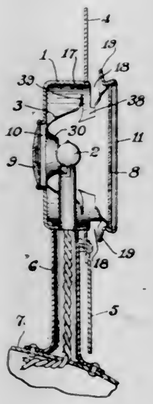
box-side and opposite base portions parallel with such side and fastening lugs on said base portions outside the plane of said ear and at right angles thereto, whereby the fastening lugs of said attaching member may be positioned in said slots of the box side in either one of two opposite positions and bent flat against the box side to secure such attaching member thereto.

1,509,289. ROUTING MACHINE. LESLIE H. GALE, Worcester, Mass. Filed Oct. 12, 1921. Serial No. 507,260. 9 Claims. (Cl. 90—13.)



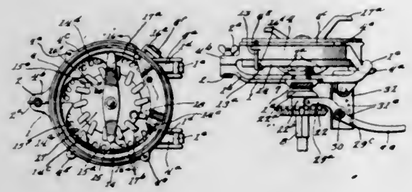
1. In a routing machine, the combination with a flat routing table, of a plate support mounted to turn adjacent thereto and having a flat top adapted to be turned into position flush with said table, said support having a projecting portion adapted to be turned into a position to support a curved plate near said table.

1,509,290. SIGNAL AND DISPLAY LAMP. ROSS F. GEORGE, Seattle, Wash. Filed Feb. 14, 1922. Serial No. 536,438. 4 Claims. (Cl. 40—132.)



1. A signal lamp casing having a peripheral slot for escape of light, with the metal representing the slot area bent outward to form a reflector for such escaping light, the casing having a peripheral groove paralleling said slot and a display plate having an edge seating in said groove.

1,509,291. SEED-DISCHARGING MECHANISM. RICHARD H. GRIFFITH, Bellevue, Ohio, assignor to The Ohio Cultivator Company, Bellevue, Ohio, a Corporation of Ohio. Filed Oct. 24, 1921. Serial No. 509,791. 11 Claims. (Cl. 221—118.)



1. In a seed planter, a ring base, a hopper on the base, a plate retainer ring hingedly connected to the bottom of the base, a feed disc resting on the retainer ring and having an outer annular portion with its outer periphery fitting snugly within the inner periphery of the ring base and provided with a plurality of downwardly inclined seed cells and a raised central portion said seed disc being rotatable over the retainer ring and a distributor above the seed disc.

1,509,292. BRAKE DRUM. FREDERICK D. HANSEN and HERBERT W. TINKER, Milwaukee, Wis., assignors to Federal Pressed Steel Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 7, 1924. Serial No. 704,767. 6 Claims. (Cl. 188—218.)

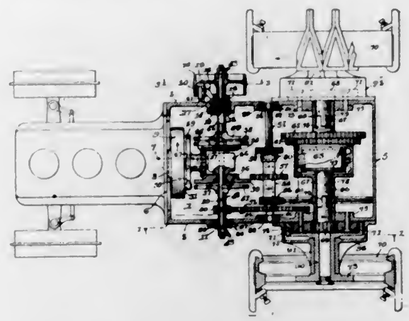


1. A brake drum formed of steel of uniform thickness, having a brake flange and a web provided with pressed-in ribs adapted to impart substantially true concentricity to said brake flange.

1,509,293. TRACTOR. CHARLES W. HART, Milwaukee, Wis. Filed Mar. 18, 1920. Serial No. 366,761. 18 Claims. (Cl. 74—57.)

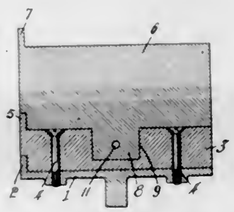
1. A tractor having a body provided with a transversely disposed axially movable shaft in its forward portion, a beveled gear set having two wheels rotatable in opposite directions about said shaft, a driving wheel in mesh with said oppositely rotating wheels, a centrally disposed bearing for the shaft provided with supporting

mountings for the driving and driven gear wheels, friction clutch connections for transmitting motion from said oppositely rotating wheels to said shaft, and means



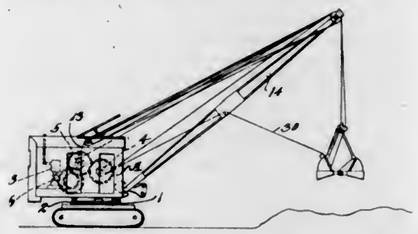
for shifting said clutch connections alternatively into and out of operative position to reverse the direction of shaft rotation.

1,509,294. FOOT-PEDAL EXTENSION. WALLACE M. HEAD, Toledo, Ohio. Filed July 12, 1923. Serial No. 651,022. 3 Claims. (Cl. 74—81.)



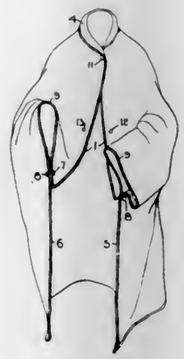
1. The combination with a foot pedal, of two separable foot pad members detachably mounted one over the other on the pedal and capable of use together, or the inner one capable of use alone, as pedal extensions.

1,509,295. CONVERTIBLE CRANE. ALPHEUS E. HOLCOMB and LESLIE A. RUSSELL, Milwaukee, Wis., assignors to Koehring Company, Milwaukee, Wis., a Corporation. Filed Aug. 11, 1922. Serial No. 581,200. 21 Claims. (Cl. 214—132.)



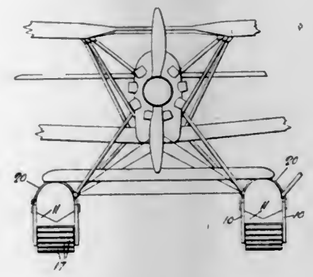
1. A crane comprising a body and interchangeable clam-shell, drag-line, and shovel cable and bucket apparatuses therefor, and operating mechanism adapted to operate any one of said apparatuses, with different driving speeds for the clam-shell and drag-line apparatuses.

1,509,296. CONVERTIBLE ROBE AND WRAP. HENRY C. HOPEWELL, Newton, Mass., assignor to L. C. Chase & Company, Boston, Mass. Filed Aug. 7, 1920. Serial No. 401,855. 1 Claim. (Cl. 2—88.)



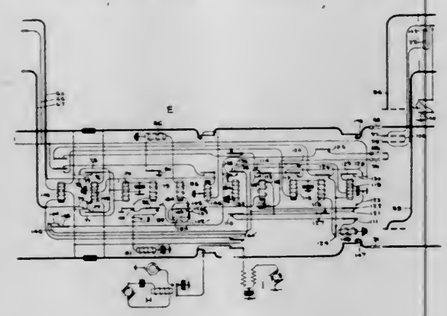
A robe having the two members of a separable fastener arranged adjacent and midway one of the edges and on a line normal to the said edge and so positioned that by the engagement of said fastener members alone a fold is formed in the central portion of said robe edge tapering away at both sides of said medial line to present a collar, a second separable fastener having its two members arranged adjacent the said edge beyond the collar portion and at opposite sides of the said medial line, a pair of separable fasteners having one member of each arranged near the end corners of said edge and the other cooperating member of each arranged adjacent the edges extending from said corners and so spaced that when the said members are respectively engaged sleeve like folds are formed in the robe thus enabling the robe to fit the neck, shoulders and arms of a person and be worn as a wrap.

1,509,297. PONTOON SKID. JAMES M. H. JACOBS, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 12, 1921. Serial No. 521,587. 2 Claims. (Cl. 244—2.)



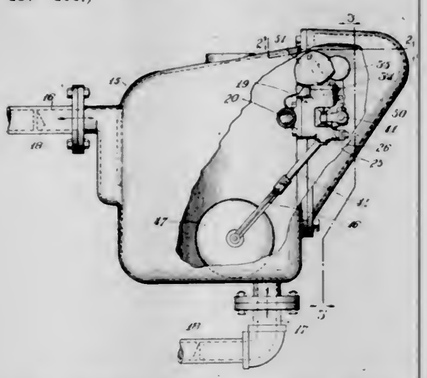
1. A detachable pontoon skid, for beaching or floating seaplanes comprising a frame member substantially conforming to the shape of the pontoon, a series of rollers supported in said frame member, and a caterpillar track running on the rollers, said skid being slightly buoyant in water and adapted to be immersed and allowed to rise up under the pontoon of the seaplane, and means for securing said skid to said pontoon.

1,509,298. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Port Washington, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 5, 1918, Serial No. 252,764. Renewed Feb. 15, 1924. 17 Claims. (Cl. 179—18.)



1. In a telephone system, a calling line, an automatic switch, a group of trunk lines accessible to said switch, means for operating said switch for causing it to automatically rotate over said trunk lines in search of an idle trunk line, and means for preventing said switch from automatically rotating if all of said trunks are busy and for giving the calling subscriber a busy signal either before or after said automatic rotation.

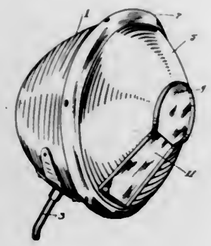
1,509,299. RETURN TRAP. OSCAR G. JOHNSON, Marshalltown, Iowa, assignor to C. A. Dunham Company, Marshalltown, Iowa, a Corporation of Iowa. Filed Apr. 3, 1922. Serial No. 548,934. 3 Claims. (Cl. 137—101.)



1. In combination, a shaft, a valve connected with said shaft and operated thereby, a weight arm revolubly mounted on said shaft and adapted to have a limited swinging movement thereabout, a float, and a float arm connected with said float and connected revolubly with said shaft and adapted to have a limited swinging movement with respect to said weight arm, the arrangement being such that the final portion of the movement of the weight arm about the axis of the shaft serves to rotate the shaft for operating the valve.

1,509,300. ANTIGLARE HEADLIGHT FOR VEHICLES. GEORGE H. JUDIA, Cisco, Tex., assignor of one-fourth to J. B. Mullnix and one-fourth to Jack Anderson, both of Cisco, Tex. Filed Dec. 3, 1923. Serial No. 678,113. 2 Claims. (Cl. 240—48.4.)

1. The combination with a headlight comprising a source of light and a reflector therefor, of a reflecting cover for said headlight consisting of a truncated cone-shaped body provided with a light emitting opening a portion of which is in the plane of the truncation and



a portion of which is in the periphery, that portion of the opening in the periphery of the cover constituting an elongated, downwardly directed extension from that portion which is in the plane of the truncation.

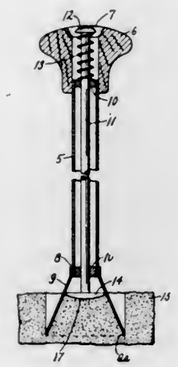
1,509,301. NONSKID TIRE. EDWARD J. KEARNS, Springfield, Mass., assignor to New England Tire & Rubber Company, Holyoke, Mass., a Corporation of Delaware. Filed Jan. 22, 1924. Serial No. 687,691. 3 Claims. (Cl. 152—16.)

1. A vehicle tire having a tread composed of a series of laminations, certain of the laminations consisting of layers of tread rubber carrying cord treads embedded therein and disposed in lines radial to the tire, certain of the other laminations being composed of cushioning rubber, the laminations of cord carrying rubber being disposed alternately between the laminations of cushioning rubber, the laminations being disposed in lines radial to the tire and extending at right angles to the side faces of the tire, the laminations being relatively narrow and the outer ends of the cord being exposed through the tread face of the tire so as to have direct bearing engagement with the ground, the cushioning layers serving to provide a differential movement between the cord carrying layers and said cushioning layers during normal traction.

1,509,302. DEVICE FOR MAKING GOLF TEES. NIELS A. LARSSEN, St. Paul, Minn. Filed Feb. 1, 1924. Serial No. 689,886. 1 Claim. (Cl. 46—4.)

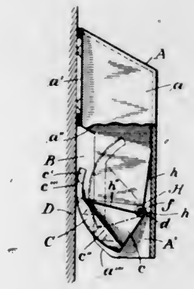
In a golf tee molding device, a tube, a funnel secured on one end of the tube and a handle secured on the other end, said handle having a bore concentric with the tube, said funnel adapted to retain a quantity of teeing sand in plastic condition, and means slidably mounted within the funnel, the tube and the handle for expelling the teeing sand in a frusto-conic, molded form with a rounded depression in the small end of said form, said teeing sand expelling means comprising a rod arranged centrally and longitudinally within the

device and normally spring pressed toward the handle, a downwardly rounded button head on the lower end of said rod and within the funnel, a press button on



the upper end of said rod and within the bore of the handle, a compression coil spring about said rod and under compression between said push button and the adjacent end of the tube.

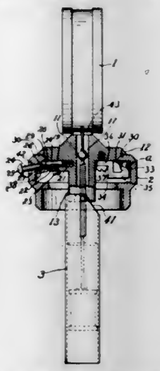
1,509,303. PAPER CLAMP AND HOLDER. ANDREW A. LEYARE and ALPHONSE MARTIN, Ogdensburg, N. Y. Filed Dec. 17, 1920. Serial No. 431,458. 1 Claim. (Cl. 24—248.)



A device of the character described comprising a casing having front and side walls, the rear lower portion of said side walls being cut away to form an opening for the reception of papers or the like, the front wall of said casing extending downwardly in a single plane, the bottom of said casing being entirely open, and an arcuate clamp eccentrically mounted in the front portions of said side walls adjacent the cutaway portions, a portion of the clamp being arranged in proximity to the bottom opening of the casing whereby said clamp will be accessible through the bottom opening so as to be lifted and turned about its pivot.

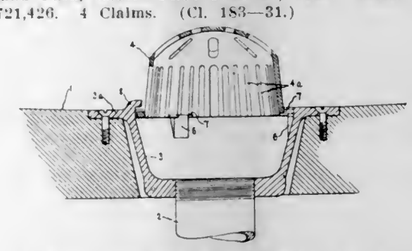
1,509,304. WATER GAUGE FOR AUTO RADIATORS. HARRY GORDON MACLELLAN, Angola, Ind. Filed Nov. 27, 1922. Serial No. 603,520. 9 Claims. (Cl. 220—86.)

1. In combination, a liquid gauge and mounting therefor comprising a flanged barrel member adapted to be attached to the filler flange of an auto radiator, a cover member for the filling passage carrying the gauge, means within the said cover and barrel members for pivoting one to the other so that the radiator may be filled by tipping the cover and gauge to one side without dis-



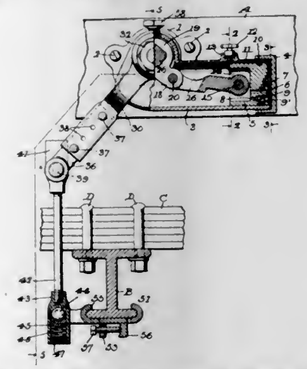
mounting them and the pivoting means is wholly concealed when the cover is closed, and means within the cover for latching the same in its closed position.

1,509,305. ROOF SUMP. RUSSELL C. MAHON, Highland Park, Mich. Filed June 21, 1924. Serial No. 721,426. 4 Claims. (Cl. 183—31.)



1. A sump comprising a catch basin and a cover member therefor, a lug upon said basin overhanging its mouth portion, a flange upon said cover member notched for registration with said lug in engaging the cover member with the basin, and a seating lug upon the basin proportioned to partially engage in said notch upon rotation of the cover member from the position of its initial engagement with its seat.

1,509,306. SHOCK CONTROLLER. PATRICK J. MURRAY and MATTHEW L. CLARK, Carbondale, Pa., assignors to Advance Car Specialty Manufacturing Company, Scranton, Pa. Filed May 24, 1923. Serial No. 641,211. 10 Claims. (Cl. 188—88.)



1. A shock controller comprising a casing having a cylindrical extension, a piston working in said extension, a plurality of passages through said piston, means for

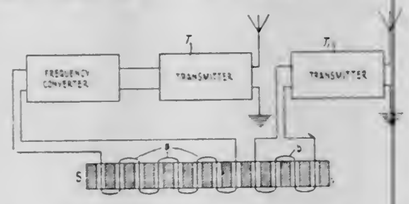
regulating the size of one passage, a ball valve for closing another passageway during movement of the piston in one direction, a longitudinal groove at the periphery of the piston, and means operated from the outside of the casing for regulating the effective size of the groove.

1,509,307. TUBE AND HINGE FOR TRANSFER BINDERS. GEORGE WASHINGTON NEWMAN, Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company, a Corporation of Massachusetts. Filed Apr. 14, 1924. Serial No. 706,398. 5 Claims. (Cl. 129—12.)



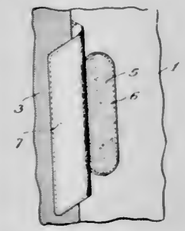
1. In a loose leaf binder, a hollow clamping member formed from a rectangular sheet of metal having its longitudinal edges brought into juxtaposition and hinge bearings having oppositely extending attaching flanges welded exteriorly of said member over said edges.

1,509,308. RADIO TRANSMISSION SYSTEM. MENDEL OSNOS, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Aug. 8, 1922. Serial No. 580,522. 4 Claims. (Cl. 250—17.)



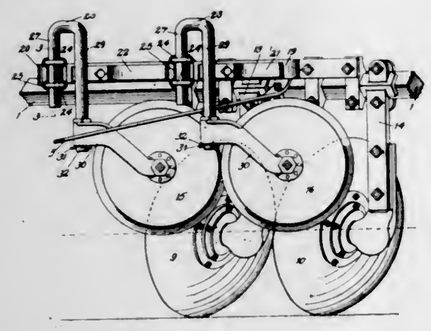
1. A transmission system for wireless telegraphy and telephony comprising a plurality of transmitters, a high frequency machine having a winding composed of a plurality of sections electrically independent of each other, and separate connections between said sections and the transmitters for feeding the transmitters independently from the respective sections.

1,509,309. MATCH SCRATCHER FOR GARMENTS. HERMAN H. OTTO and HENRY A. OTTO, Rochester, N. Y. Filed Sept. 25, 1922. Serial No. 590,291. 4 Claims. (Cl. 44—48.)



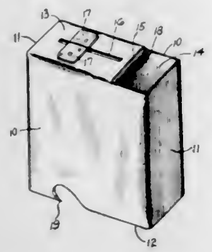
1. In a match scratcher for wearing apparel, the combination with an outer garment having an inner facing at the front thereof, and a lining stitched to said facing, of a flexible, abrasive panel secured to the facing near the seam of the latter and the lining and a protective flap for the panel secured in said seam.

1,509,310. ROLLING COLTER FOR DISK PLOWS. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Feb. 24, 1921. Serial No. 447,397. 9 Claims. (Cl. 97—209.)



1. In a disk plow the combination of a frame, a plowing disk and a colter; an arm rigidly mounted on the frame and extending forwardly a support for said colter pivotally mounted on the arm and normally rigid therewith but adapted to be swung laterally to vary the position of the colter relative to the cutting edge of the disk.

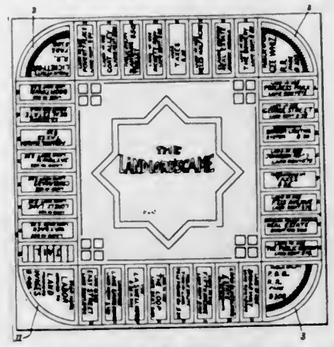
1,509,311. PROTECTOR FOR CIGARETTES. JOHN WALTER PERRY, Southport, Conn. Filed July 29, 1920. Serial No. 399,762. 1 Claim. (Cl. 206—41.)



As a new article of manufacture, a protector for cigarettes comprising a body shaped to fit a package of cigarettes and having one end open, a cover carried at the other end of said protector body and comprising a rigid section and a slidable section, a side of said body being cut away at its open end to provide a recess, one side of said recess being extended inwardly over the recess at the free edge of the body and sharpened to provide a cutter.

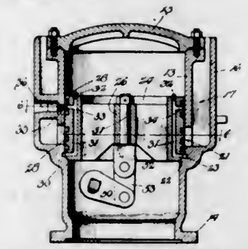
1,509,312. GAME BOARD. ELIZABETH MAGIE PHILLIPS, Washington, D. C. Filed Apr. 28, 1923. Serial No. 635,246. 5 Claims. (Cl. 46—63.)

1. A game-board, provided with corner spaces, intervening spaces of different denominations and values, some of the spaces of the different series corresponding and distinguished by coloring or other marking, so that the corresponding divisions may be recognized, a series of cards of changeable value, two or more of which are alike and which relate to two or more certain spaces on the



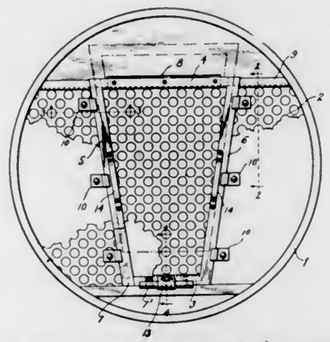
board, and a series of movable pieces to be used in conjunction with the spaces of the board and controlled by dice, so as to determine the play.

1,509,313. COMBINED THROTTLE AND DRIFT VALVE FOR LOCOMOTIVES. CLARENCE E. POWERS, Baltimore, Md. Filed Oct. 22, 1921. Serial No. 509,507. 17 Claims. (Cl. 251—159.)



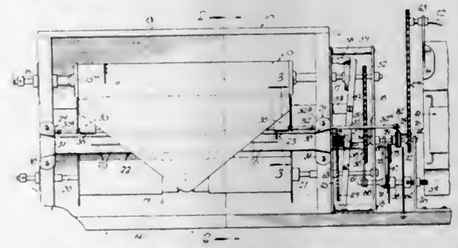
3. A throttle valve including a casing having a steam inlet port and provided with an internal valve seat, a valve slidably fitting in the casing normally cooperating with said seat and covering the port, the valve being shiftable away from said seat to uncover the port, and means for bypassing steam entering between the valve and casing when the valve is closed.

1,509,314. INSPECTION DOOR FOR LOCOMOTIVE FRONT ENDS. JOHN P. POWERS, Escanaba, Mich., assignor of one-half to Thomas F. Powers, Chicago, Ill. Filed Oct. 15, 1921. Serial No. 507,917. 3 Claims. (Cl. 110—122.)



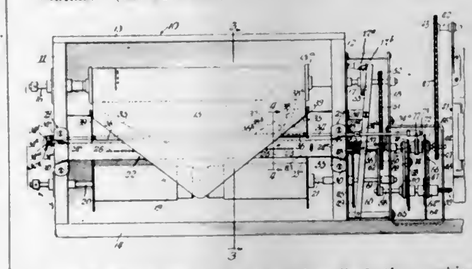
3. In a device of the kind described, the combination of a spark screen having, a door opening therein, an open frame fixed to said screen about said opening, a perforated door having a frame with oppositely disposed, inclined side edges, Z-shaped clip members fixed to said screen and having parts overhanging but spaced outwardly from the open frame and providing guides arranged complemental to said inclined side edges of said door frame so that said door frame is removably held in place against said open frame under its own weight, and handle members fixed to the opposite sides of the door frame.

1,509,315. TRACKER-BAR MECHANISM. THEODORE M. REIMERS, Oak Park, Ill., assignor to Smith, Barnes & Strobber Co., Chicago, Ill., a Corporation of Illinois. Filed May 16, 1922. Serial No. 561,455. 17 Claims. (Cl. 84—137.)



1. A tracker mechanism for automatically operated musical instruments comprising in combination, an endwise movable tracker bar, a control member movable with the lateral movement of the music sheet, a rotative endwise movable shaft connected to the tracker bar, said shaft having a threaded bearing to impart limited endwise movement in either direction to said shaft, spaced driven members fixed to said shaft, and a rotative driving member intermediate said driven members, adapted for engagement with either as the control member is shifted.

1,509,316. TRACKER-BAR MECHANISM. THEODORE M. REIMERS, Oak Park, Ill., assignor to Smith, Barnes & Strobber Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1922. Serial No. 594,702. 16 Claims. (Cl. 84—137.)

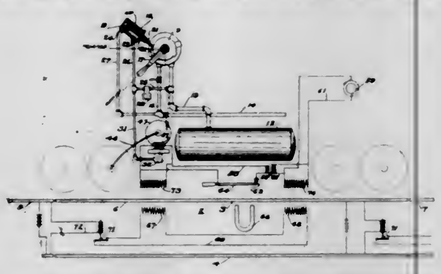


1. In a mechanism of the kind described, the combination of a music sheet roll shaft and an endwise movable tracker bar, a drive shaft for said roll shaft, a second shaft mounted for endwise movement when rotated, a device connecting said second shaft with the tracker bar, a rod, endwise movable in the weaving of the music sheet, permanently engaging means on said shafts for driving said second shaft in either direction, and means actuated in the endwise movement of said rod for connecting a part of said permanently engaged means to said drive shaft.

1,509,317. AUTOMATIC SPEED CONTROL FOR TRAINS. THOMAS M. RIGGLE, Oakland, Calif. Filed Aug. 17, 1922. Serial No. 582,407. 16 Claims. (Cl. 246—63.)

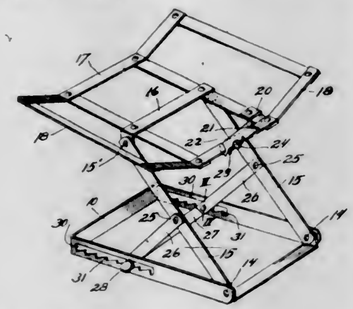
1. In an automatic speed control for trains, the combination with a brake valve and a series of insulated

track sections, of a magnet associated with one of said sections, means carried on the train arranged to be actuated by said magnet to place said brake valve in service



position when one of said sections is not in normal condition, and means governed by the speed of the train for varying the length of time which said first means will hold said valve in service position.

1,509,318. HEADREST FOR CASKETS. JOHN C. RUMSEY, Lawrence, Kans. Filed Mar. 10, 1924. Serial No. 698,165. 5 Claims. (Cl. 27—13.)



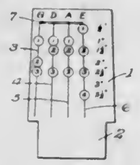
1. A head rest for caskets, comprising in combination with the interior cushion material of a casket, a supporting member adapted to be embedded in said material and to be maintained in position thereby, and a head rest element pivotally mounted on said supporting member and adjustable therewith to different elevations above the bottom of the casket.

1,509,319. VALVE CHAMBER FOR GAS MASKS. HIPPOLYTE SAUNIER, Paris, France. Filed Aug. 23, 1921. Serial No. 494,579. 2 Claims. (Cl. 128—141.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



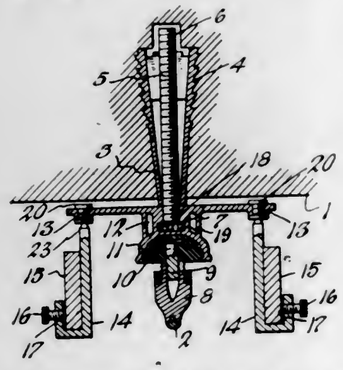
1. A valve unit for breathing apparatus, comprising two dish-like shells one covering the other, an inlet member secured to one shell and having a valve, an outlet tube passing through both shells and terminating in a valve and a cover closing one of the shells and through which said inlet member passes, said cover having perforations for the escape of exhalation.

1,509,320. DEVICE FOR USE IN LEARNING TO PLAY MUSICAL INSTRUMENTS. FRED M. SCHNEIDER, Blue Island, Ill. Filed June 19, 1922. Serial No. 569,505. 2 Claims. (Cl. 84—485.)



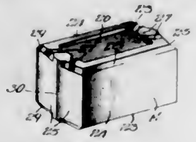
2. A device for use in learning to play stringed instruments embodying therein means representing the strings of a stringed instrument, numerals positioned adjacent the string representing means and representing the different fingers, and means in line with the numerals indicating the distance in inches said numerals are from a point corresponding to the nut of a stringed instrument.

1,509,321. COMBINED TROLLEY WIRE AND GUARD HANGER. ANTHONY SHACIKOSKI, Homer City, Pa. Filed May 6, 1924. Serial No. 711,512. 2 Claims. (Cl. 191—35.)



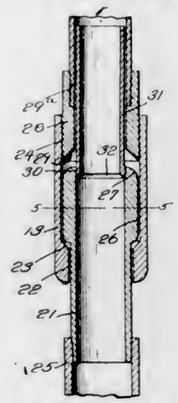
1. In a combined trolley wire and guard hanger, the combination with an anchor structure, of means carried by the anchor for supporting a trolley wire guard, said latter supporting means including a bracket having spaced apart two threaded bores for the reception of the insulator block or connection, said insulator connection having a threaded bore in the center, which is insulated from the outside, a guard supporting hook having a threaded upper end adapted to be threaded into said center bore, and a set screw adapted to secure the guard to the said hook.

1,509,322. BUILDING-BLOCK CONSTRUCTION. LE ROY W. STEVENS, Chicago, Ill. Filed Nov. 29, 1920. Serial No. 427,145. 12 Claims. (Cl. 72—37.)



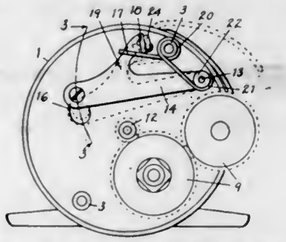
1. A wall composed of a series of superimposed rows of blocks, said blocks being constructed and arranged to provide interior spaces between the horizontal meeting faces of the blocks, and channels between the ends of adjacent blocks, said channels opening to a face of the wall and communicating with the first mentioned spaces, and bonding material in said channels and spaces.

1,509,323. PUMPING APPARATUS FOR OIL WELLS. JAMES W. TAYLOR, San Antonio, Tex. Filed July 9, 1923. Serial No. 650,409. 5 Claims. (Cl. 103—233.)



4. A flow line for wells comprising a plurality of longitudinally movable sections and valves connecting adjacent ends of the sections, each valve including an upper structure and a lower structure, each of said lower and upper structures being adapted for engagement with an end of a casing section, one of said structures having an enlargement provided with rounded end portions, the other of said structures affording opposed oppositely beveled shoulders spaced apart a distance greater than the length of the enlargement of the other structure and between which said structure operates.

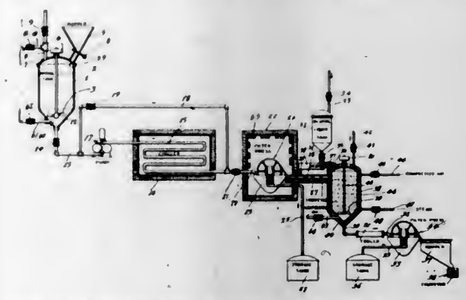
1,509,324. FISHLINE REEL. FRED W. TOREY, Grand Rapids, Mich. Filed July 30, 1923. Serial No. 654,620. 10 Claims. (Cl. 242—84.5.)



1. In a fish line reel, the combination with the reel frame comprising a head member including inner and outer plates, the inner plate being slotted, of a spool provided with an outwardly facing concaved flange, a relatively long lever-like brake member pivoted between said head plates adjacent the forward side thereof to project rearwardly beyond the axis of the spool and provided with a brake shoe disposed through said slot to engage within said flange of the reel, said brake member being provided with a centrally disposed upwardly projecting arm terminating in an outwardly turned lug, a thrust screw threaded into said outer head member to coact with the swinging end of said brake member, a spring mounted in said head to engage the lower edge of said lug whereby the brake lever is urged to engaging position, and a bail-like brake lever journaled in said frame to extend across the front thereof and provided with an arm engaging the said lug on said brake member whereby when said lever is liftel as by the line the brake is released.

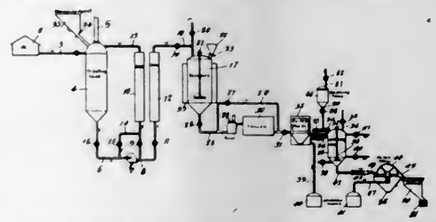
1,509,325. PROCESS FOR LOWERING THE COLD TEST OF LUBRICATING OILS. JAMES W. WEIR and WILLIAM J. RYAN, Jr., Fillmore, Calif. Filed June 21, 1920. Serial No. 390,417. 6 Claims. (Cl. 196—18.)

2. The process of lowering the cold test of lubricating oils which consists in combining with lubricating oil stock containing wax, a diluent and additionally adding thereto a comminuted wax adherent medium, then chilling the mixture thus produced to congeal the wax



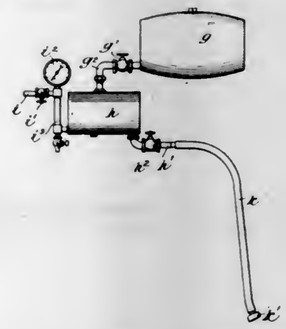
upon the wax adherent medium, the diluted stock other than the wax remaining liquid and then separating the chilled associated wax and wax adherent medium from the liquid mixture.

1,509,326. METHOD OF TREATING PETROLEUM OIL. JAMES W. WEIR, Fillmore, Calif. Filed June 11, 1924. Serial No. 719,341. 12 Claims. (Cl. 196—18.)



1. The process of treating mineral lubricating oils containing wax to effect both a decolorization thereof and a lowering of the cold test thru the aid of a single substance, which includes treating the lubricating oil with a comminuted decolorizing agent at a temperature not substantially less than 250° F. to effect a decolorizing of the oil, then cooling the mixture below the melting point of paraffin wax to congeal the wax throughout the decolorizing agent, and filtering the oil, below the melting point of paraffin wax, from the solid mass.

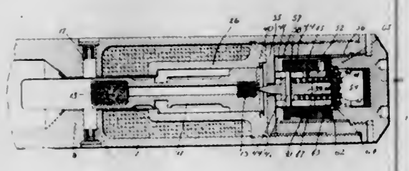
1,509,327. APPARATUS FOR AND METHOD OF CLEANSING UNITS OF MOTOR VEHICLES. JOHN F. WINCHESTER, Baltimore, Md. Filed Oct. 25, 1922. Serial No. 596,723. 5 Claims. (Cl. 74—56.)



1. In a motor vehicle, in combination with enclosed units thereof having movable operating parts therein, spray nozzles mounted in the walls thereof for discharge of a cleansing medium under pressure throughout the in-

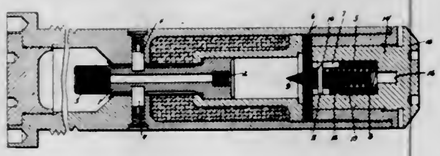
teriors, the form and disposition of said nozzles being such as to carry the cleansing medium effectively against relatively remote and inaccessible areas of the interiors.

1,509,328. FUSE FOR PROJECTILES. JOHN H. WOODBERRY, Washington, D. C. Filed Oct. 3, 1919. Serial No. 328,290. 6 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



3. In a fuse structure, the combination with a normally unarmed firing pin armed by impact of the projectile carrying the fuse and means for delaying action of the pin after arming, of a driving spring for the firing pin, an automatically operable spring compressing member disposed against one end of said spring and provided with a tubular stem encircled by said spring and telescoping said firing pin, and centrifugally operable means for holding said spring compressing member in spring compressing position.

1,509,329. FUSE. JOHN H. WOODBERRY, Washington, D. C. Filed Oct. 22, 1919. Serial No. 332,564. 1 Claim. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



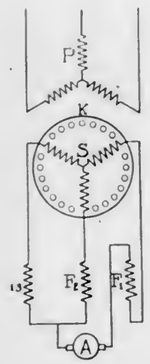
A fuse embodying firing elements normally held spaced apart from each other and movable upon impact in the same direction, one of said elements carrying a detonator normally remote from the main explosive charge and moved upon impact to a position adjacent said charge, means energized by movement of the other element on impact for impelling said element toward its normal position after impact, and means for delaying the action of said impelling means.

1,509,330. CURTAIN FIXTURE. EDYTH P. WYATT, Denver, Colo. Filed July 6, 1922. Serial No. 573,088. 3 Claims. (Cl. 156—24.)



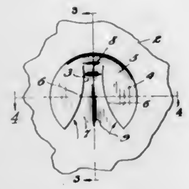
2. A curtain fixture comprising a rod-member having a screw thread and a plain tapering end-portion, a head fastened by the screw thread, and a bracket-member having a seat to which the head is fitted.

1,509,331. INDUCTION SYNCHRONOUS MOTOR. TADAOKI YAMAMOTO and MASATARO KAWARADA, Tokyo, Japan. Filed July 16, 1921. Serial No. 485,196. 3 Claims. (Cl. 172—274.)



2. An induction-starting, self-synchronizing motor comprising an induction motor connected in cascade with a direct current series generator and mechanically coupled thereto, the stator winding of the induction motor being in the primary circuit and the rotor of the induction motor having a three phase winding connected to the series generator, the field winding of which is divided into three separate sections, one of these sections being connected to one of the three phase windings of the rotor of the induction motor in a reverse sense to the two others, in such a manner that the currents induced in the phases of the rotor winding act cumulatively magnetically as they flow through said field winding.

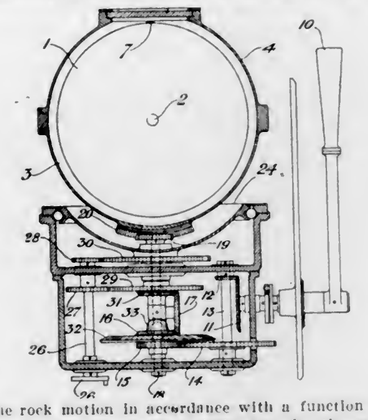
1,509,332. VENTILATOR FOR METALLIC WALLS. EDWARD R. ARMSTRONG, Columbus, Ohio, assignor to F. O. Shoedinger, Columbus, Ohio. Filed May 22, 1922. Serial No. 562,823. 4 Claims. (Cl. 98—26.)



3. In a sheet metal wall, a ventilator structure therein comprising outwardly projecting substantially semi-circular convexed lips, and a depressed central portion integrally formed with and lying between said lips to produce a plurality of air passageways.

1,509,333. APPARATUS FOR THE CONTROL OF GUNFIRE ON SHIPBOARD. ARCHIBALD BARR and WILLIAM STROUD, Anniesland, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Filed Sept. 1, 1922. Serial No. 585,821. 8 Claims. (Cl. 235—61.)

2. Apparatus comprising a roll indicator for indicating rock, calculating mechanism, means for transmitting to the calculating mechanism motion in accordance with indications obtained from the rock indicator and means for transmitting to the calculating mechanism at any point



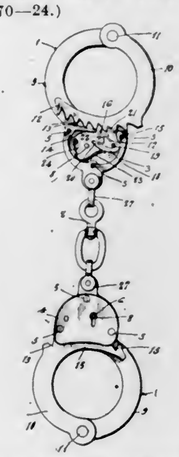
of the rock motion in accordance with a function of the range or angle of elevation of the gun, for the purposes set forth.

1,509,334. PULPER. ANDREAS BIFFAR, Miltenberg, Germany. Filed Aug. 22, 1921. Serial No. 494,140. 2 Claims. (Cl. 92—24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



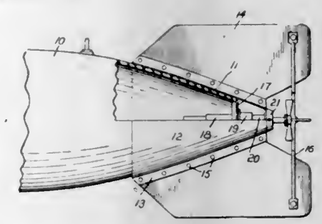
1. In a pulper in combination, three channels extending substantially in parallel to one another and having a steep gradient, a grinding device disposed at each end of said channels in such manner as to raise the pulp to the highest points of the channel bottoms and means for introducing the pulp into one of said grinding devices in axial direction.

1,509,335. SELF-LOCKING ADJUSTABLE HANDCUFF AND LEG SHACKLE. WILLIAM BOCKIN, Union Hill, N. J. Filed Oct. 22, 1918. Serial No. 259,266. 1 Claim. (Cl. 70—24.)



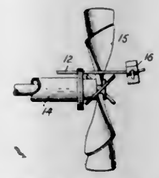
A hand cuff having a movable locking arm, a lock casing to receive the arm having a relatively large flat wall portion, an arm integral with and extending from said portion and pivoted at its free end to and against one side of the locking arm, a laterally projecting substantially U-shaped wall integral with said wall portion and of a depth slightly greater than the thickness of the distal end portion of the locking arm and partly closing the open end thereof, a cover, fastening members adjacent the free ends of said wall and integral with said wall securing said cover against said wall, one end of said wall having an inward extension provided with a concaved upper surface along which said locking arm is movable said extension serving to reinforce said arm about one of said fastening members, the other end of said wall being inwardly enlarged to reinforce said arm about another fastening member, a locking member pivoted within the casing for projection intermediate the free end of said extension and said enlargement to engage said locking arm, said locking member having direct contact with the enlarged end of said wall, a spring within the casing in engagement with said wall and with said locking member to urge projection of the locking member into engagement with said locking arm and into its path of locking movement when said locking arm is unlocked and said locking member having spaced shoulders one engageable by a key and the other directly engageable with the locking arm.

1,509,336. STABILIZER OR FIN ASSEMBLY OF A BOMB. WILLIAM A. BORDEN, U. S. Army. Filed June 27, 1922. Serial No. 571,221. 4 Claims. (Cl. 102—2.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A base cap and stabilizer construction for bombs, including a bomb body formed with a reduced rear end, a base cap adapted to embrace the rear end, said cap comprising sections bent outwardly along their longitudinal edges to form flanges, fins secured between the flanges, a closure element secured in the rear end of the body and formed with a rearwardly extending portion and a plug connected to said rearwardly extending portion, said plug formed with an enlarged head adapted to seat on the rear end of the cap to bind the cap in place upon the body.

1,509,337. SAFETY DEVICE FOR BOMBS. WILLIAM A. BORDEN and CLAUDIUS H. M. ROBERTS, U. S. Army. Filed June 27, 1922. Serial No. 571,224. 3 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



2. The combination with a drop bomb, a fuse carried by the drop bomb and a fuse arming member provided with an aperture, of a safety wire projecting through the aperture and a friction member engaging with the protruding end of the wire to be stripped therefrom upon the application of a predetermined force tending to withdraw the wire.

1,509,338. MANUFACTURE OF THREADS OF ANY THICKNESS FROM VISCOSE. EMILE BRONNERT, Mulhouse, France. Filed Nov. 17, 1921. Serial No. 515,990. 4 Claims. (Cl. 18—54.)

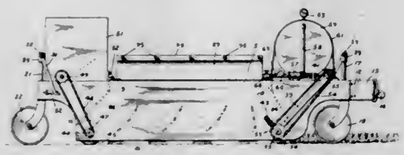
1. The process of producing viscose threads of any desired fineness from raw viscose, which comprises forcing the viscose through suitable openings into an acid precipitating bath containing sulphuric acid, the concentration of which bath is increased proportionately to the increase in fineness of the thread desired to be produced and to the increase in the size of the openings through which the viscose is forced, and in which part of the sulphuric acid is replaced by double its weight of ammonium sulphate.

1,509,339. FAUCET. HENRY G. CORDLEY, Glen Ridge, N. J., and GEORGE R. LONG, Waterbury, Conn., assignors to Cordley & Hayes, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1924. Serial No. 691,245. 3 Claims. (Cl. 251—39.)



1. In a faucet an outer shell consisting of an outer member of straight tubing and an inner member of straight tubing having towards its forward end a portion of reduced diameter adapted to fit within the rear end of the outer member, having its forward end portion so reduced in diameter as to leave between it and the interior of the outer member an annular space, and having its end adapted to serve as a valve seat, and a plug movable in the inner portion of the outer member, and adapted at its inner end to receive a pin which holds the valve securely against the end of the plug said valve being adapted to fit the valve seat on the end of the inner member, and having bayonet slots formed in said plug, and a pin, screwthreaded at its lower end, carried by the outer member extending through the bayonet slots of the plug.

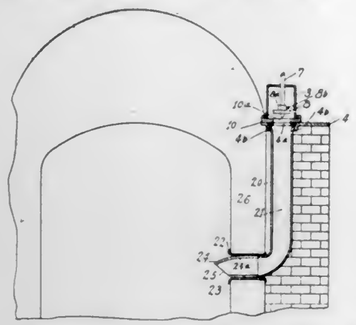
1,509,340. WEED BURNER. ISAAC S. CORSON, Great Falls, Mont. Filed Sept. 7, 1922. Serial No. 586,698. 3 Claims. (Cl. 126—271.2.)



1. The herein described weed burner comprising a body having side walls arranged to serve as a draft chamber, weed burning means supported at the lower portion of said walls, and a plurality of discs rotatively mounted on a shaft within said walls for extinguishing the flames when said weed burner is moved over the ground substantially as specified.

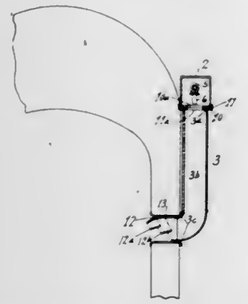
1,509,341. SMOKE CONSUMER. FRANK H. DILLON, Rock Island, Ill. Filed Aug. 30, 1920. Serial No. 406,824. 16 Claims. (Cl. 110—60.)

1. In a smoke consumer, the combination with a stationary plate carrying air tubes secured thereto, of a movable plate mounted thereon, openings in the movable plate corresponding approximately in size to the upper



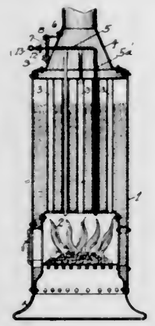
ends of the air tubes, and air regulating valves suitably secured above the openings in the movable plate.

1,509,342. SMOKE CONSUMER. FRANK H. DILLON, Rock Island, Ill. Filed Aug. 30, 1920. Serial No. 406,825. 6 Claims. (Cl. 110—60.)



1. In a smoke consuming device, the combination with draft tubes, of nozzles secured therein above the level of the grate bars, each nozzle having a plurality of openings at its inner end, the upper opening projecting into the fire box and the other openings below and in the rear of the upper one.

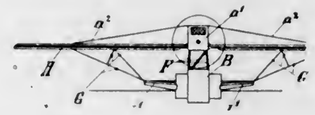
1,509,343. SMOKE CONSUMER. FRANK H. DILLON, Rock Island, Ill. Filed Sept. 23, 1920. Serial No. 412,237. 6 Claims. (Cl. 110—53.)



1. In a smoke consumer for vertical tubular boilers, the combination with an air tube, having one end secured in a flue of such boiler to discharge at the lower end

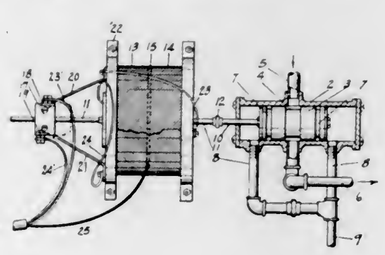
of the flue, and its outer end extending through the walls of the smoke stack thereof, of a steam nozzle mounted adjacent the outer end of the air tube, an air regulating valve mounted on the nozzle and a movable damper plate mounted adjacent the outer end of the air tube.

1,509,344. GIANT FLYING MACHINE. CLAUDIUS DORNIER, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,566. 3 Claims. (Cl. 244—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



3. In a flying machine in combination, a hull, a supporting plane above said hull, tandem motors above said plane in the plane of symmetry of the machine, a frame supporting said motors and forming part of the supporting plane structure, stub wings emerging from said hull, bracing means extending from the outer ends of said stub wings to the underside of said supporting plane, a casing around said motors and bracing means extending from said casing to the upper side of said supporting plane.

1,509,345. ELECTRICALLY-CONTROLLED REGULATING VALVE. SAMUEL J. DUNKLEY, Oakland, Calif., assignor to Dunkley Company, Kalamazoo, Mich. Filed Aug. 8, 1921. Serial No. 490,756. 3 Claims. (Cl. 137—139.)

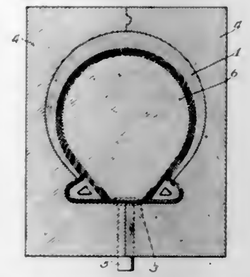


3. The combination of a suitable regulating valve, a solenoid with double coils, the armature thereof being of such length as to be reciprocated back and forth by the alternate action of said double coils, an electric supply with switch control for supplying current to the said solenoid, a connection from the armature of said solenoid to the said valve, and independent insulating switch means supported and carried by the armature of said solenoid to alternately connect the said coils to deliver current through the said switch alternately to the said coils to reciprocate the armature and actuate the valve and cut off the current, as specified.

1,509,346. METHOD AND APPARATUS FOR MAKING PNEUMATIC TIRES. JOHN L. G. DYKES, Chicago, Ill. Filed June 24, 1922. Serial No. 570,694. 15 Claims. (Cl. 18—53.)

12. A method for making rubber articles, comprising the building of the raw carcass complete in the desired form, forcing a flowing means under pressure into the interior of the article to form a non-compressible and non-yielding support, vulcanizing the article on this support, and then removing the support from the interior of the article.

13. Apparatus for making rubber articles, comprising means whereon to build the raw carcass complete in the desired form, a vulcanizing mold, and a hard and non-



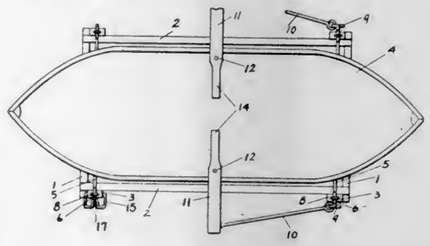
yielding support which is on larger size than said building means and adapted for use in the article during the vulcanization thereof, said support being formed in the article from a plastic and cementitious material.

1,509,347. RAZOR STROP. GEORGE EDWARD FAUPEL, Beeville, Tex. Filed May 2, 1923. Serial No. 636,220. 1 Claim. (Cl. 51—200.)



In a razor strop, a plurality of straps and an elongated humidifying element interposed between adjacent straps, the humidifying element comprising a plurality of superposed strips formed of an absorbent material, a fabric casing for the superposed strips and stitching securing the casing and the strips together.

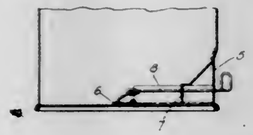
1,509,348. SWINGING TOY. LEWIS R. FLINT, Galesburg, Mich. Filed June 15, 1922. Serial No. 568,450. 4 Claims. (Cl. 46—69.)



2. The combination of a supporting frame comprising a base and pairs of standards, a body disposed between said standards, half-shaped body hangers journaled on said standards whereby the body is supported for oscil-

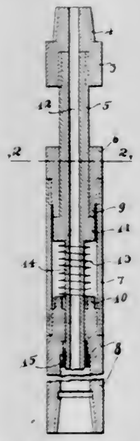
lating movement and lateral movement thereof prevented, the arms of one hanger terminating in crank arms, levers mounted in a central opposed transverse relation on said body, and links connecting the outer ends of said levers to said crank arms.

1,509,349. MEASURING DEVICE FOR CANS. EDWARD E. FRANCE, Beaver Dam, Wis. Filed Sept. 23, 1922. Serial No. 590,109. 1 Claim. (Cl. 211—8.)



A can having an opening in its bottom portion, a drawer slidably arranged in the opening and having its outer end enlarged to cover the opening, a partition in the drawer, flanges in the can for preventing material entering the front part of the drawer, the inner end of the drawer being hinged to its bottom, a rod sliding through the front part of the drawer and the partition and hingedly connected with the end of the drawer and a handle on the outer end of the rod.

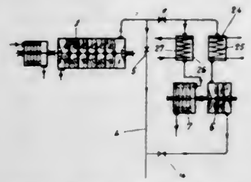
1,509,350. ROTARY JAR. LEO J. GIANELLA, Long Beach, Calif. Filed Aug. 29, 1922. Serial No. 584,984. 2 Claims. (Cl. 255—27.)



1. In a rotary jar, a stem made in sections having a passage therethrough and having telescopic and non-rotating engagement with one another, one section having abutments spaced axially and laterally in relation to the other section and adapted to facilitate free movements between the sections even when the abutments spread due to wearing, and the other section having a shouldered head adapted to abut against the abutments in the first-named section alternately.

1,509,351. COMPRESSOR INSTALLATION. BENJAMIN GRAEMIGER, Zurich, Switzerland, assignor to Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed Apr. 6, 1923. Serial No. 630,331. 8 Claims. (Cl. 230—11.)

1. A compressor installation, comprising in combination, at least one main compressor, an additional compressor adapted to work in series with said main compressor for the purpose of obtaining a higher pressure, and a driving engine for said additional compressor driven by that portion of the medium compressed in the

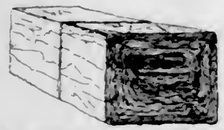


main compressor which does not enter the additional compressor when working in series with the main compressor.

1,509,352. BOILER COMPOUND. CHARLES E. GUBB, Casper, Wyo. Filed Feb. 12, 1924. Serial No. 692,435. 2 Claims. (Cl. 87—27.)

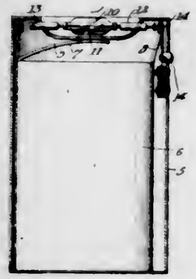
1. A boiler compound consisting of a mixture of soda ash, calcium oxide, oxalic acid and unrefined crude oil.

1,509,353. PACKING. CHARLES C. HALL, Kalamazoo, Mich. Filed Jan. 11, 1924. Serial No. 685,566. 3 Claims. (Cl. 154—45.5.)



1. A packing comprising a sheet of aluminum and a sheet of lead crumpled, coated with lubricant, superimposed and rolled together so that the aluminum is at the outside, and compacted.

1,509,354. PORTABLE ILLUMINATING DEVICE. CARL HAMBUECHEN, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Dec. 3, 1920. Serial No. 428,080. 6 Claims. (Cl. 240—8.5.)

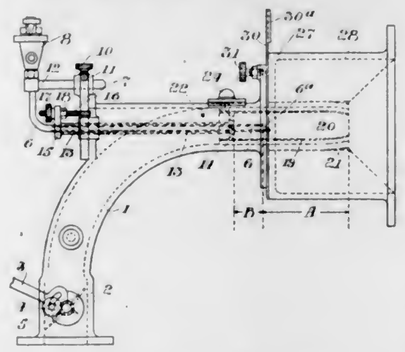


1. A portable illuminating device comprising a casing, a battery having a central terminal contained therein, a reflector of substantially parabolic section at one end of said casing, said reflector having an uninterrupted surface at the vertex of its parabolic section, an incandescent filament mounted at or near the focus of the reflector, and means for establishing electrical connection between said central terminal and filament through the vertex of the reflector.

1,509,355. PROCESS OF REFINING SUGAR-CANE JUICE. CYRUS HOWARD HAMGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed May 7, 1921. Serial No. 467,529. 3 Claims. (Cl. 127—56.)

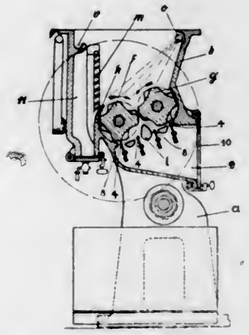
3. In the process of eliminating, from a liquid, solid or semi-solid impurities of higher specific gravity by means of centrifugal force in conjunction with a cushioning liquid, the process which comprises taking a liquid heavier than the liquid to be purified and mixing therewith another liquid lighter than the liquid to be purified and that forms with the heavier liquid a solution immiscible with and non-contaminative of the liquid to be purified, the proportions of the liquids being such as to provide a solution of higher specific gravity than the liquid to be purified, subjecting the liquid to be purified and the solution to centrifugal force and continuously flowing off the purified liquid.

1,509,356. LIQUID AND SOLID FUEL BURNER. HUGH HUTCHISON, Kilmarnock, Scotland, assignor to Hutchison's Turbinia Oil Burners Limited, Glasgow, Scotland. Filed Sept. 5, 1922. Serial No. 586,361. 6 Claims. (Cl. 158—73.)



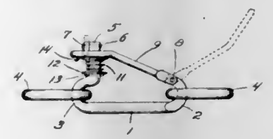
1. A fuel burner having, in combination, a tubular casing for the passage of a comminuting agent, a tube within said casing with a space between said casing and said tube whereby said agent is divided into a primary and a secondary supply, a fuel nozzle within said tube, a device for gyrating said primary supply located behind said nozzle, a sleeve surrounding said nozzle and carrying said device; and means for moving said sleeve and said device longitudinally.

1,509,357. MACHINE FOR WASHING RUBBER AND THE LIKE. FRITZ KEMPTER, Stuttgart, Germany. Filed Nov. 12, 1923. Serial No. 674,409. 3 Claims. (Cl. 18—2.)



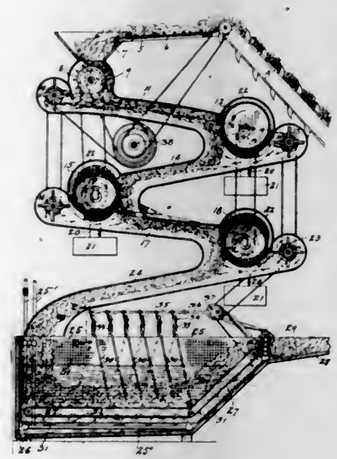
1. Device for washing rubber and the like, comprising in combination, a machine bed, a washing trough tiltably mounted on said bed, a pair of squeezing rolls mounted in said trough in parallel with each other, an inclined slotted bottom underneath said rolls, closing ledges removably disposed in the slots of said bottom and a lateral opening in said trough through which these ledges can easily be removed.

1,509,358. TIRE CHAIN FASTENER. JAMES B. KINSER, Tulsa, Okla. Filed June 11, 1923. Serial No. 644,658. 2 Claims. (Cl. 24—241.)



1. A locking hook comprising a body member formed at one of its ends with a stem portion, a locking lever pivoted to the other end of said hook and having an opening in its free end adapted for reception of said stem portion, and a lug rotatably secured to the end of said stem portion and adapted for longitudinal alinement therewith in one position to pass through the opening in the locking lever and in its other position to prevent disengagement of said locking lever from said stem.

1,509,359. MACHINE FOR RENOVATING USED WOOL AND COTTON JOURNAL-BOX WASTE. THOMAS M. LAWSON, Indianapolis, Ind. Filed May 12, 1923. Serial No. 638,654. 5 Claims. (Cl. 91—13.)

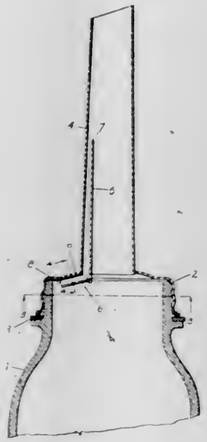


1. In a machine for reclaiming used waste, means for picking and shredding the material to loosen it, air means for throwing the loose material, a rotary perforate resistence in the path of the thrown material stopping the waste and allowing cinders, grit and dirt to pass to clean the waste, a tank containing hot liquid oil into which the waste is then deposited, means for agitating it in the oil and means for removing the oil excess from the product.

1,509,360. DISPENSING CAN. DAVID D. LEWIS, Kalamazoo, Mich. Filed Feb. 14, 1924. Serial No. 692,726. 2 Claims. (Cl. 221—28.)

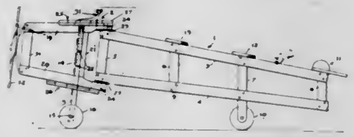
1. A dispensing can of broad mouth jar type in combination with a screw top and central spout disposed axially of said can provided with a vent formed by a

sheet metal partition to one side of said spout and extended laterally to the same side of the cap within the mouth of the receptacle whereby the air inlet is entirely within the spout and the whole vent means encased so



that the can may be vented when pouring by the lateral extension being disposed on the upper side and the vent checked by turning till the lateral extension points downwardly and is submerged.

1,509,361. CHILD'S AIRPLANE VEHICLE. GEORGE B. LOWDEN, San Francisco, Calif. Filed Aug. 27, 1923. Serial No. 659,558. 2 Claims. (Cl. 208—165.)

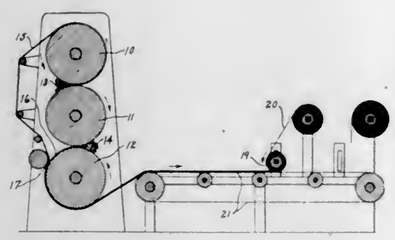


1. A child's airplane vehicle comprising an elongated body portion of skeleton construction, a wheel carried by the body portion intermediate of the ends thereof, a seat on the body portion, an upright body plate, wheels carried on opposite sides and at the lower end of the body plate, said body plate having a slot extending from its upper end downwardly therein between the sides thereof, bars extending through the slot in the plate adjacent the upper and lower extremities of the slot, one end of said body portion being disposed between the inner ends of said bars, means for pivotally connecting said end of the body portion with said bars, a post mounted in the slot and engaging said bars and transverse frames simulating wings mounted on the upper and lower bars and extending laterally on opposite sides thereof.

1,509,362. HIGH EXPLOSIVE. JOHN MARSHALL, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 25, 1922. Serial No. 556,420. 7 Claims. (Cl. 52—6.)

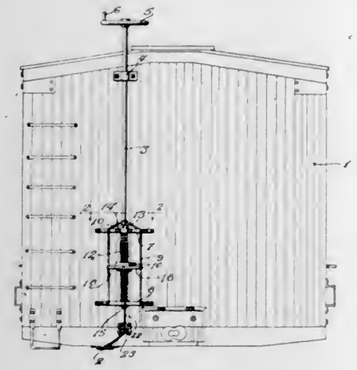
1. A blasting explosive composition comprising more than 25% of a finely comminuted propellent powder, and from about 1 to 10% of an aromatic nitro-compound completely gelatinized with said powder.

1,509,363. RUBBER STOCK AND METHOD OF PREPARING THE SAME. CHARLES EDWARD MAYNARD, Northampton, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 29, 1923. Serial No. 628,483. 4 Claims. (Cl. 154—2.)



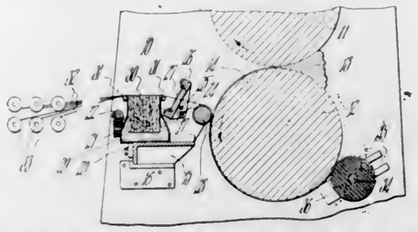
4. A method of producing sheet rubber stock which comprises laminating two plies of stock in such a manner that the edge portion of one extends beyond the edge of the other to give a thin marginal portion, the stock being of a consistency and quality adapted to dry out when wound in contact with fabric, and winding the two-ply stock with an intermediate lining of fabric, whereby the body of the sheet is caused to become dry and the marginal portions to remain tacky on account of the absence of pressure contact with the fabric.

1,509,364. CAR BRAKE. HARRY S. MEEK, Needles, Calif. Filed May 22, 1923. Serial No. 640,737. 1 Claim. (Cl. 74—120.)



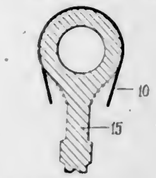
In a car brake, the combination of vertically spaced brackets, vertical guides extending between the brackets, a worm journaled in the brackets and arranged parallel with the guides, a head comprising a central hub and arms extending from the hub, the hub having an annular seat at its upper end and being internally threaded at its lower end to engage the worm and the arms having notches at their ends to slidably engage the guides, a lubricant holder in the seat at the upper end of the hub, an eye on the front side of the head, a flexible element secured in said eye and adapted to be connected to a brake rod, and means for rotating the worm.

1,509,365. METHOD AND MACHINE FOR PRODUCING CORD FABRIC. THOMAS MIDGLEY, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1919. Serial No. 290,760. 18 Claims. (Cl. 154—1.)



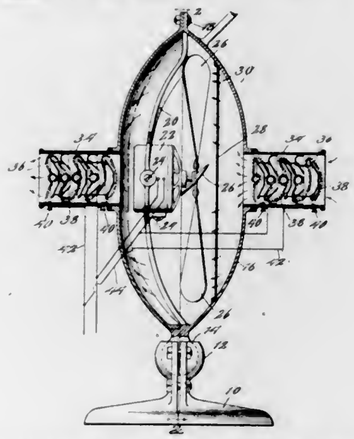
1. The method of making cord fabric consisting in applying a rubber solvent to a plurality of cords, pressing the cords against one surface of a sheet of uncured rubber, and pressing a second sheet of uncured rubber against the uncoated side of the cords.

1,509,366. METHOD OF FORMING TIRE CASINGS. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 10, 1920. Serial No. 395,323. 8 Claims. (Cl. 154—14.)



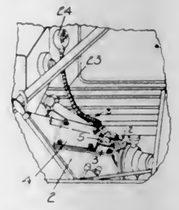
4. The method of applying fabric to cores or formers comprising forming the fabric into a bias cut band, locating the band about an expansible tube, expanding the center of the band to substantially the diameter of the core or former at its crest leaving the side portions of the band relatively less stretched, removing the band from the tube, and applying the band to the core or former.

1,509,367. DRYING APPARATUS. JOHN J. MILLER, Chicago, Ill. Filed Aug. 28, 1922. Serial No. 584,751. 4 Claims. (Cl. 34—26.)



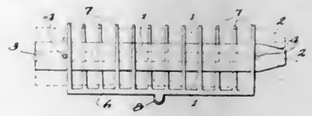
3. In an air-blast drying apparatus, the combination with a casing, a ball and socket mounting therefor, a motor suspended in said casing, fan-blades carried by said motor, a perforated baffle plate in juxtaposition with the fan-blades, aligned removable nozzles carried at the opposite sides of said casing, heating elements in said nozzles, and a plurality of dished baffles alternate ones of which extend to the inner walls of said nozzles and are provided with centrally disposed openings.

1,509,368. SPEEDOMETER-DRIVE MEANS. EDWARD D. MYERS, Shelby, Mich. Filed Nov. 26, 1921. Serial No. 517,888. 4 Claims. (Cl. 74—7.)



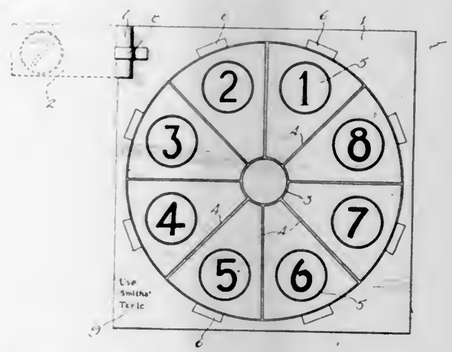
4. In a speedometer drive structure, the combination with a clutch spring support with a shell-like hub and cross pin therein, of a worm gear having a hub disposed within the hub of said clutch spring and having a bayonet hook to engage said cross-pin, as specified.

1,509,369. GARDEN-RAKE ATTACHMENT. CHARLES L. MCKESSON, Los Angeles, Calif. Filed July 24, 1923. Serial No. 653,547. 3 Claims. (Cl. 55—10.)



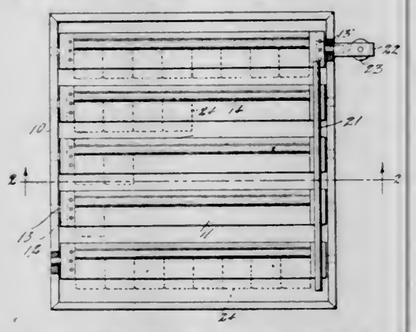
1. A rake attachment comprising a strip of spring material arranged to be inserted between the teeth of a rake and by frictional contact with the teeth and by its own spring action on said teeth to hold itself in adjusted position.

1,509,370. GAME. SOSAKU NAGASE, Chicago, Ill. Filed Apr. 13, 1923. Serial No. 631,883. 1 Claim. (Cl. 46—56.)



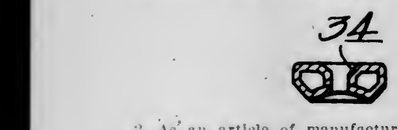
A game comprising a paper sheet, a plurality of different visible characters arranged on said sheet, an extension sheet bearing a duplicate of one of said characters, said extension being adapted to be folded back upon the face of the sheet, and a strip for securing the folded portion to said sheet, whereby the duplicate character is normally hidden, the breaking of the strip permitting the extension sheet to be unfolded, thereby bringing the hidden character into view.

1,509,371. EDUCATIONAL APPLIANCE. CHARLES R. NALLE, Wichita Falls, Tex. Filed June 5, 1923. Serial No. 643,565. 7 Claims. (Cl. 35—12.)



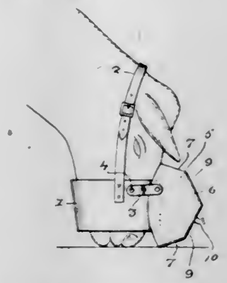
1. In an educational appliance, a frame, a plurality of card holders journaled in said frame, means on each holder for detachably holding cards, and means for inverting all the holders at the same time.

1,509,372. BALL SEAT AND METHOD OF FORMING THE SAME. WILLIAM H. NEEDHAM, Worcester, Mass., assignor to Boston Pressed Metal Company, Worcester, Mass., a Corporation of Maine. Filed Sept. 28, 1922. Serial No. 591,195. 2 Claims. (Cl. 113—51.)



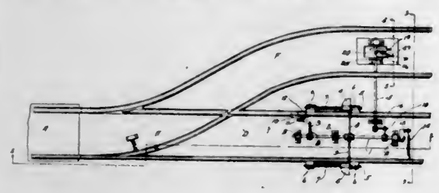
2. As an article of manufacture, a ball seat formed from sheet metal and having a concave seat portion, a supporting portion, and a plurality of separate inturned points positioned closely adjacent each other and projecting inward from said supporting portion to firm engagement with the convex inner side of the ball seat.

1,509,373. CALF WEANER. JOHN E. NEWSUM, Dacoma, Okla. Filed Dec. 23, 1922. Serial No. 608,694. 1 Claim. (Cl. 119—131.)



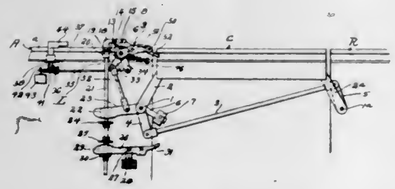
A weaner of the character described comprising a nose band, means for retaining said nose band upon an animal, links bent outwardly intermediate their ends and having their inner ends secured upon opposite sides of the nose band, a closure member for the outer end of the nose band and being secured thereto through the medium of connection with the outer ends of the links, said closure member being spiked and provided with curved portions providing the side walls thereof and the walls adjoining the curved walls being substantially V-shaped in cross section for cooperative association with the spikes to cause the closure to swing to inoperative position when one of these parts engages the ground.

1,509,374. FEEDER FOR KICKBACK DUMPS. JAMES A. NOLAN, Bowerston, Ohio. Filed Aug. 4, 1923. Serial No. 655,600. 7 Claims. (Cl. 214—50.)



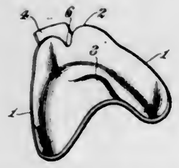
1. In an apparatus of the character described, in combination with a dump, an approach track leading thereto, a receiving track leading from the approach track adjacent to the dump, means for deflecting an empty car leaving the dump from the approach track onto the receiving track, stop members mounted on the approach track beyond the receiving track, means actuated by a loaded car traveling on the approach track for closing said stop members, and positively operating means actuated by an empty car traveling on the receiving track for opening the stop members.

1,509,375. AUTOMATIC LANDER. JAMES A. NOLAN, Bowerston, Ohio. Filed Oct. 1, 1923. Serial No. 665,960. 10 Claims. (Cl. 187—97.)



5. In combination with a landing and tracks leading to and from the landing, a cage movable past the landing and provided with a car-receiving track section, landers normally extending into the path of travel of the cage, cage actuated means for withdrawing the landers when the cage travels past them in one direction, and for holding the landers in inoperative position, cage actuated means for releasing the landers, returning them to normal position when the cage travels past said landers in the other direction, and means actuated by a car traveling on one of said tracks for placing the first mentioned cage actuated means in condition to be again actuated by said cage upon its return movement.

1,509,376. DENTAL IMPRESSION TRAY. FRANK C. RODGERS, St. Louis, Mo. Filed June 16, 1920. Serial No. 389,384. 14 Claims. (Cl. 32—6.)



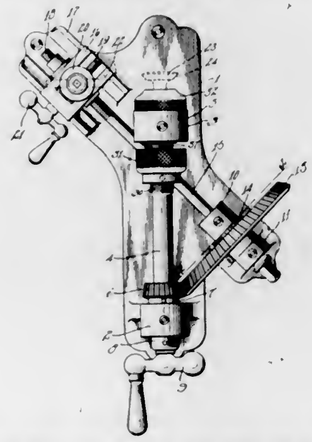
1. A dental impression tray formed to provide a distally open arched trough having shallow post dams formed thereon and following the transverse curvature of the trough.

1,509,377. DENTAL IMPRESSION TRAY. FRANK C. RODGERS, St. Louis, Mo. Original application filed June 16, 1920, Serial No. 389,384. Divided and this application filed Apr. 17, 1922. Serial No. 554,167. 10 Claims. (Cl. 32—6.)



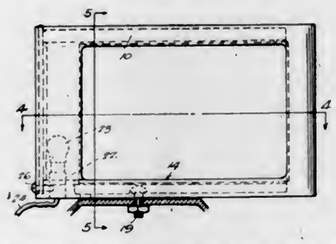
1. A dental impression tray having lingual and labial flanges bounding a distally open arched trough provided with shallow post dams following the transverse curvature of the trough.

1,509,378. VALVE LATHE. WALTER CHAS. SCHROECK and WILLIAM LISSMANN, Chicago, Ill. Filed Nov. 24, 1922. Serial No. 603,064. 2 Claims. (Cl. 82—1.)



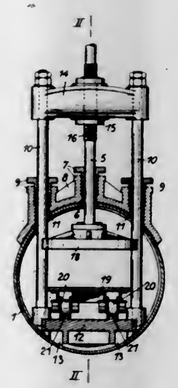
1. A valve lathe comprising a base, shaft carrying bearings projecting upwardly from said base, a hollow shaft having a slotted end, valve stem engaging members disposed in said slots, a sleeve mounted on the slotted end of said shaft and having grooves to receive said members, said sleeve being mounted in one of said bearings and said shaft being mounted in another bearing, and means for moving said members into engagement with a valve stem.

1,509,379. DISPLAY DEVICE FOR MOTOR CARS. CLARENCE SIMS, Lancaster, Ohio. Filed Oct. 22, 1923. Serial No. 670,084. 2 Claims. (Cl. 40—132.)



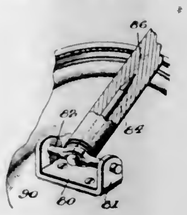
2. A display or advertising device of the character described consisting of a generally triangular rigid frame or casing open at the larger of its two ends and having side walls provided with enlarged openings and with guide beams along the upper and lower edges of said openings and also along the vertical edges of the side walls at the open end of the casing, side panels insertable through the open end of the casing into the first mentioned grooves to normally cover the said side openings, a door slidable vertically into and out of the last mentioned grooves to normally close the open end of the casing, clamping means depending through the base of the casing, a bulb holder mounted through the base of the casing, and means to detachably clamp the said closure door and the said bulb holder in place.

1,509,380. VULCANIZING KETTLE. JOSEF TALALAY, Berlin, Germany. Filed May 10, 1924. Serial No. 712,428. 1 Claim. (Cl. 18—4.)



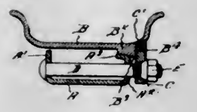
In a device of the kind described, a vulcanizing kettle, detachable closing means for the kettle, a press table within the kettle, rib-like feet integral with the under surface of the table and resting upon the interior of the base of the kettle, integral tracks on the upper surface of the table parallel with the guide edges thereof, a rolling platform mounted upon the tracks, substantially parallel spaced draw bars secured to the table and gas-tightly guided in the kettle walls, a connecting member secured to the draw bars outside of the kettle, adjustable operating means guided in said connecting members and gas-tightly passing through the kettle walls into the interior thereof, and a compressing member swivelly connected to the operating means in the interior of the kettle and guided in the draw bars.

1,509,381. CLEANING DEVICE. GEORGE G. TOWNSEND, Frostburg, Md. Filed Mar. 31, 1922. Serial No. 548,356. 2 Claims. (Cl. 306—19.)



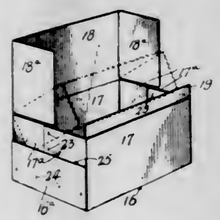
2. A cleaning device for use in bath tubs and the like comprising a head, an attaching member secured to the head and provided with a pair of ears, a pivot rod having its ends rotatably connected to said ears, a spindle rotatably extended through the intermediate portion of said rod, and a handle connected to said spindle, the connection between the attaching member, the rod and the spindle providing a universal connection between the handle and the head.

1,509,382. AUTOMOBILE WHEEL RIM. JAMES H. WAGENHORST, Jackson, Mich. Original application filed Apr. 2, 1921, Serial No. 458,005. Divided and this application filed Dec. 31, 1923. Serial No. 683,745. 14 Claims. (Cl. 301—19.)



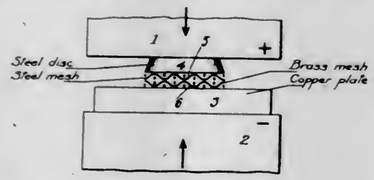
1. A demountable tire-carrying rim having a rim base on which the tire seats, a portion projecting inwardly from said rim base, and apertures formed in said rim adjacent said inwardly projecting portion and in the curved or rounded portion of the rim base, and lugs having studs projecting into said openings and riveted to the rim base, the adjacent portions of the lugs contacting with the inwardly extending portion of the rim, whereby each lug will fulcrum against the inwardly projecting portion under lateral stress and prevent dislocation of the lugs.

1,509,383. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,382. 4 Claims. (Cl. 229—33.)



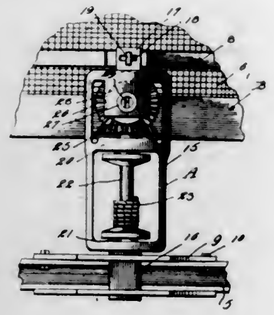
1. A box made from fibre or paper board having sides, a bottom and a top closure, the said parts being provided with end extensions to form the ends of the box, the end extensions of said sides being folded into overlapping engagement and being secured together near their top edges, and the end extensions of the bottom being folded against the end extensions of the sides and being secured thereto near said bottom and providing open top pockets, the end extensions of the top closure being adapted to be either inserted into said pocket or to be folded against and to overlap the outer surface of said extensions of said bottom and to be secured to said last mentioned extensions.

1,509,384. WELDING. VALENTINE E. WALTER, Brooklyn, N. Y., and WILLIAM J. LALLY, Meriden, Conn., assignors to Thomas E. Murray, Brooklyn, N. Y. Filed Mar. 22, 1923. Serial No. 626,746. 3 Claims. (Cl. 219—10.)



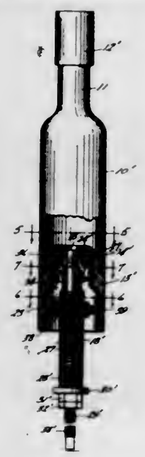
1. The method of welding together two pieces of different resistances which consists in placing at least two filling pieces between them, one adjacent to each work piece and corresponding in resistance thereto and passing a welding current and pressing the pieces together.

1,509,385. EMERGENCY DRUM. MARSHALL A. WHATLEY, Redwood, Miss. Filed Nov. 27, 1923. Serial No. 677,287. 1 Claim. (Cl. 254—166.)



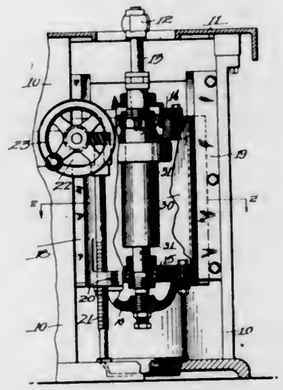
The combination with a motor vehicle including a crank shaft, a radiator and a dead axle, a transversely extending supporting bar disposed across the radiator, superimposed U-shaped clamps connected with the dead axle, of means for facilitating the pulling of the automobile out of the mud or the like when the same becomes stuck on a roadway including a frame, a depending ear formed on the frame arranged to be placed in said clamps connected with the dead axle, an ear formed on the upper end of the frame adapted to engage the supporting bar, a key for detachably connecting the ear formed on the upper end of the frame with the bar, a vertical driven shaft rotatably carried by the frame, a drum connected with the driven shaft, a horizontally arranged drive shaft carried by the frame, means operatively connecting the drive and driven shaft together, and a connecting shank detachably connected with the drive shaft and with the crank shaft of the engine.

1,509,386. PRESSURE-RELIEF VALVE. ROBERT A. WILSON, Dallas, Tex., assignor to Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Mar. 13, 1923. Serial No. 624,874. 7 Claims. (Cl. 277—45.)



1. In a relief valve device, a housing having a pipe coupling, a valve cage mounted in the housing and having an annular valve seat, a main valve engaging upon said seat and depending therethrough, said valve having a vertical bore and an inlet port intersecting said bore, a piston valve slidable in said bore, a stem depending from the main valve, and variable tension means in said stem and engaging said piston valve for normally sealing the same.

1,509,387. SHAPER-DRIVING MECHANISM. JOHN J. WITT, Winchendon, Mass., assignor to Goodspeed Machine Company, a Corporation of Massachusetts. Filed Oct. 16, 1922. Serial No. 594,699. 2 Claims. (Cl. 144—134.)



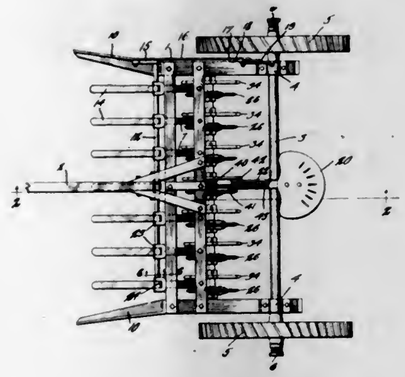
1. In a shaper, a frame having spaced vertical side guiding members, a spindle casing comprising a substantially semi-cylindrical shell disposed substantially in front of its axis with the space at the rear of said axis unobstructed and having bearing surfaces at its side edges engaging said guiding members, a spindle mounted in upper and lower bearings on said casing behind said semi-cylindrical shell, driving means for said spindle disposed between said upper and lower bearings and entirely enclosed at the front side by the semi-cylindrical shell portion of said casing, and means to raise and lower said casing.

1,509,388. BOTTLE-CAPPING MACHINE. CALVIN L. BEARDSLEY, Rock Island, Ill. Filed Dec. 6, 1921. Serial No. 520,433. 4 Claims. (Cl. 226—84.)



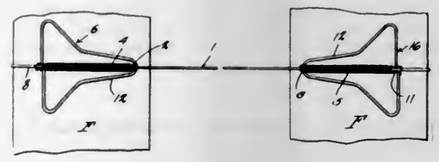
1. A bottle capping machine comprising in combination a support, a die reciprocably carried by the support, means for actuating the die, a rigid jaw carried by the support disposed below the die, a coil spring secured at its upper end to the support, and at its lower end to the die for normally holding the die in a raised position, a movable jaw, including a semi-cylindrical shank for housing said spring, for cooperation with the rigid jaw for holding a bottle, and means pivotally securing the upper end of the shank of the movable jaw to said support.

1,509,389. CUTTING MACHINE. JOHN P. BERNARD, Orosi, Calif. Filed Nov. 17, 1922. Serial No. 601,560. 2 Claims. (Cl. 55—118.)



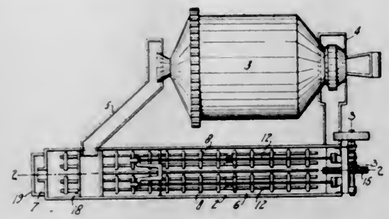
1. A device of the class described embodying a frame; a ground wheel journaled thereon; a support on the frame; a rotatable member journaled on the frame and comprising cutting arms coacting with the support; a rotary holder journaled on the frame at the side of said member and having hooks disposed adjacent to the outer ends of the arms of the rotatable member; and means for driving the rotatable member and the holder from the ground wheel.

1,509,390. CURTAIN-ROD BRACKET. NEWTON J. BISHOP, St. Louis, Mo. Filed Oct. 9, 1922. Serial No. 593,329. 1 Claim. (Cl. 156—19.)



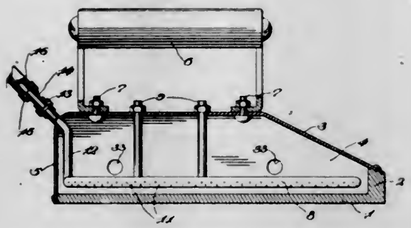
A rod supporting bracket of the class described comprising a single piece of wire bent to form a substantially triangular body with an arm extending longitudinally therefrom in the same plane midway one side of said triangle and equipped with a frame engaging hook, and a second arm extending in a plane at right angles to the first mentioned arm and coiled at its base to provide an eye through which said first mentioned arm extends, said second arm having an eye at its free end to receive the rod to be supported, the two remaining sides of the triangle meeting at a point located opposite and remote from the junction of said arms.

1,509,391. ORE-TREATING SYSTEM. ALFRED L. BLOMFIELD, Colorado Springs, Colo., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Continuation in part of application Serial No. 274,052, filed Jan. 30, 1919. This application filed May 18, 1922. Serial No. 561,873. 4 Claims. (Cl. 83—81.)



1. In combination, a classifier adapted to separate solids in a liquid according to their size and having a reciprocatory member for actuating oversize to a point of discharge, and mechanism for reciprocating said member including an indicatory appliance for indicating variations in a resistance to the movement of the oversize.

1,509,392. GAS IRON. WILLIAM BONK, Buffalo Center, Iowa. Filed Dec. 27, 1922. Serial No. 609,256. 1 Claim. (Cl. 158—23.1.)



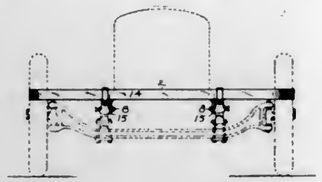
In an iron, a relatively thick tapering base, an upstanding rib at the small end of the base, a housing detachably carried by said base, an inclined tapering forward wall integral with the housing and having its lower end secured to the upstanding rib, a burner within the housing in close proximity to the base and including parallel side bars, transverse brace rods connecting the side bars of the burner, suspending bolts connected to the brace rods and to the upper wall of the housing for supporting said burner, a supply pipe formed on said burner and projecting outwardly through said housing, and a nipple detachably carried by said supply pipe.

1,509,393. AMMONIUM NITRATE EXPLOSIVE. LEON O. BRYAN, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 25, 1922. Serial No. 556,422. 10 Claims. (Cl. 52—9.)

1. A blasting explosive comprising ammonium nitrate and more than 10% of a finely ground propellent powder.

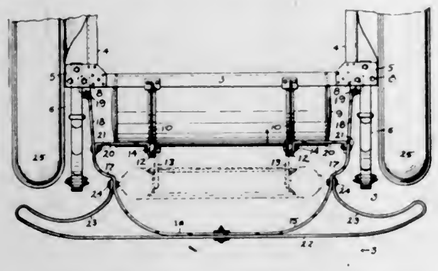
1,509,394. VEHICLE BUMPER. WILLIAM G. COX, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 14, 1922. Serial No. 581,754. 2 Claims. (Cl. 293—55.)

2. A spring bumper for an automobile, comprising a main impact bar having spring loop portions at its opposite ends terminating in curved arms having laterally-offset extremities, and each loop end of said main bar having a resilient spring bar engaged at its inner end therewith and connected between its ends with said



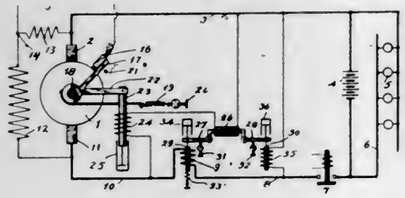
main bar and curved rearwardly to provide a spring portion and bent downwardly at its inner end to permit attachment to the spring shackle bolt, said downwardly bent inner end having a bolt-opening therein.

1,509,395. SPRING BUMPER FOR AUTOMOBILES. WILLIAM G. COX, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 14, 1922. Serial No. 581,755. 3 Claims. (Cl. 293—55.)



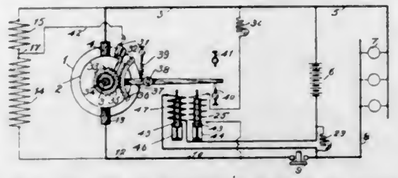
2. A rear bumper for an automobile, comprising an arched member spanning the gasoline tank and spare-tire bracket having bent extremities secured to the spring supporting plates at the respective corners of the automobile frame, together with an impact member connected to the center of said arched member and extending laterally on opposite sides beyond the supporting springs of the vehicle.

1,509,396. ELECTRIC REGULATION. JOHN L. CREVELING, White Plains, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Feb. 3, 1917. Serial No. 146,412. Renewed Dec. 22, 1922. 36 Claims. (Cl. 171—312.)



23. The combination with a generator having a plurality of field coils in series with each other of means for varying the relative energization of said coils with respect to each other comprehending operating means and responsive means controlling the operation thereof affected by electrical fluctuations.

1,509,397. ELECTRIC REGULATION. JOHN L. CREVELING, Tucson, Ariz., assignor to Gould Coupler Company, a Corporation of New York. Filed Nov. 4, 1919. Serial No. 335,616. 40 Claims. (Cl. 171—221.)



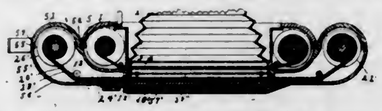
37. The combination with a variable speed generator having a commutator, an external circuit including a storage battery connected therewith, a field circuit, and means for connecting the field circuit independently with said commutator, of automatic means for varying said point of connection affected upon fluctuations in voltage of said battery.

1,509,398. DISTRIBUTING APPARATUS FOR MATRICES OF TYPE-CASTING MACHINES AND THE LIKE. CLARENCE H. CROWELL, Fort Worth, Tex. Filed Jan. 7, 1924. Serial No. 684,791. 2 Claims. (Cl. 199—37.)



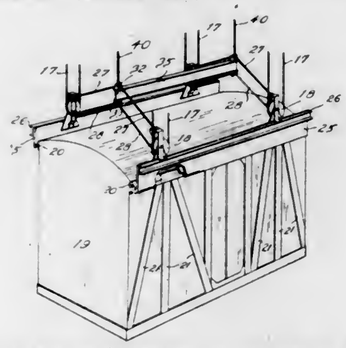
1. In a type-casting machine provided with a distributer box bar having a socket therein; an adjustable bar point having a shank projected into said socket and a screw for clamping said shank in said socket.

1,509,399. ROLL ATTACHMENT FOR CAMERAS. ISAAC J. FELTENSTEIN, St. Joseph, Mo. Filed June 7, 1921. Serial No. 475,586. 6 Claims. (Cl. 95—31.)



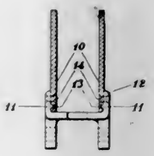
1. In combination with a camera having a rear exposure opening and rolls for supporting a film in position for exposure at said opening, an attachment to the rear portion of said camera, and rolls mounted in said attachment for supporting a second film at the exposure opening when the same is not covered by the first-mentioned film.

1,509,400. HOISTING CRADLE. BENJAMIN F. FITCH, Evanston, Ill. Filed Apr. 22, 1921. Serial No. 463,531. 37 Claims. (Cl. 214—115.)



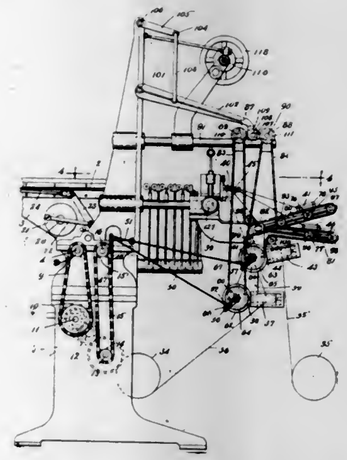
1. In a hoisting mechanism, the combination with an articulated cradle hinged at each end, and adapted to engage a load, means for raising and lowering the cradle, and means operable independently of the raising and lowering means for engaging the hinged portions, and for buckling them to bring the cradle into position to engage and raise a load.

1,509,401. RECEIVER FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed July 12, 1922. Serial No. 574,556. 2 Claims. (Cl. 89—2.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



2. A receiver for machine guns, including side plates each formed with a longitudinal groove near its lower edge, a bottom plate of channel formation, each flange of the bottom plate having a longitudinal rib adapted to enter the groove in a side plate and a riveted joint between each flange of the bottom plate and a side plate, said joint located above the tongue and groove connection.

1,509,402. TEXTILE MACHINE. EDGAR F. HATHAWAY, Wellesley, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed July 10, 1916, Serial No. 108,388. Renewed Oct. 18, 1922. Serial No. 595,462. 71 Claims. (Cl. 28—44.)

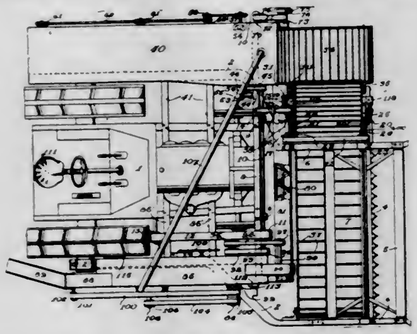


1. A warp-drawing machine, having, in combination, drawing-in mechanism, two warp carriages for supporting a plurality of groups of warp threads and respectively mounted for traversing movement, and automatic traversing means combined with compensating means for said carriages.

1,509,403. HARVESTER. EMMETT HOWARD and JOSEPH W. KAYS, Eugene, Oreg. Filed Feb. 20, 1922. Serial No. 537,970. 10 Claims. (Cl. 56—20.)

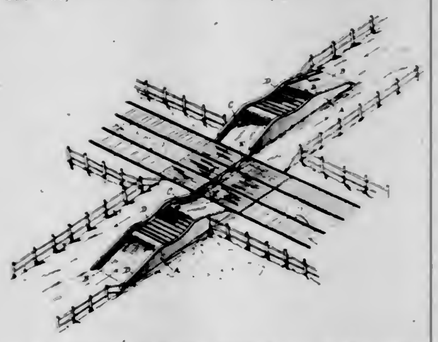
5. The combination with a power unit, of a cutter carried by and across the front end of the power unit, a

thresher carried by one side of the power unit, a cleaner carried by the opposite side of the power unit, conveyors



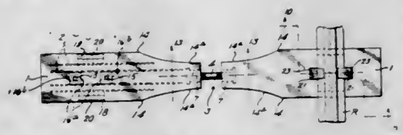
connecting the cutter with the thresher and the thresher with the cleaner, and means for maintaining the cleaner in a level position.

1,509,404. HIGHWAY GRADE-LEVEL CROSSING FOR RAILWAYS. OTTO JOHNSON, Portsmouth, N. H. Filed Aug. 7, 1924. Serial No. 730,556. 3 Claims. (Cl. 238—3.)



1. A highway grade-level crossing for railway-roadbeds in which the highway is divided into two one-way driveways, the right-hand driveway being provided with an elevated platform long enough to receive a car and having an inclined approaching section and an inclined exit-section, the latter terminating near the adjacent railway-rail.

1,509,405. SEGMENTAL CROSSTIE AND RAIL-HOLDING STRUCTURE. VAN RENSSELAER CHOATE KING, Radnor, Pa., assignor to King's Concrete Cross Tie Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1923. Serial No. 666,492. 24 Claims. (Cl. 238—31.)

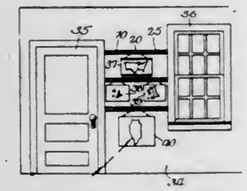


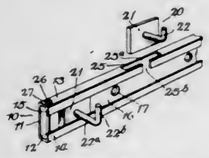
5. A cross tie comprising a pair of elongated and alined concrete tie heads; in the inner end of each tie head, a plurality of interiorly threaded socket blocks anchored against endwise, axial and tipping movements and located one above the other; and for each transversely opposed pair of sockets, a stiff, one piece coupling rod reversely threaded at its ends; the plurality of coupling rods forming compression and tension truss members.

1,509,406. PLASTIC COMPOSITION AND METHOD OF MAKING THE SAME. CHARLES E. KRAUS, Brooklyn, N. Y. Filed Apr. 17, 1919. Serial No. 290,671. Renewed Dec. 14, 1923. 15 Claims. (Cl. 106—10.)

11. A fired cohesive article of manufacture containing thoroughly mixed mineral material and a mineral substance normally having colloidal properties much in excess of ordinary clays.

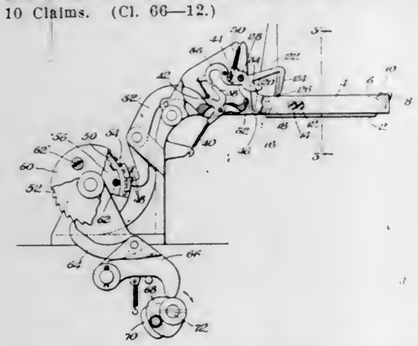
1,509,407. MAP HOLDER. ARCHIBALD E. MACQUARRIE, Minneapolis, Minn. Filed Mar. 24, 1923. Serial No. 627,527. 1 Claim. (Cl. 248—48.)





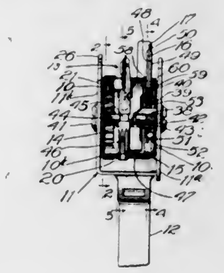
A supporting device comprising a bar having a vertical rear wall, outwardly extending top and bottom walls, and vertical flanges extending downwardly and upwardly from said top and bottom walls respectively with a longitudinal slot between them, and a supporting attachment comprising a plate movable longitudinally of said bar between said rear wall and said flanges and between said top and bottom walls and having a hook projecting outwardly through said slot, said top wall having an opening therein to permit said plate to be brought into operative engagement with said bar and said flange extending downwardly from said top wall being provided with a notch forming a communication between said opening and said slot to permit the passage of said hook, said notch having a lesser dimension longitudinally of said bar than said plate.

1,509,408. KNITTING MACHINE. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Jan. 8, 1919. Serial No. 270,192. 10 Claims. (Cl. 66—12.)



1. A rotary needle cylinder knitting machine having, in combination, a latch ring having a feed throat, a permanent bridge substantially closing the top of the throat arranged to engage the latches of the needles which are raised to the inactive level during reciprocatory knitting, a plurality of yarn guides and means for moving them under the bridge into and out of feeding position.

1,509,409. KNOTTER. BURT A. PETERSON, Rockford, Ill., assignor, by mesne assignments, to Barber-Coleman Company, Rockford, Ill., a Corporation of Illinois (1922). Filed Apr. 1, 1920. Serial No. 370,396. 37 Claims. (Cl. 289—5.)



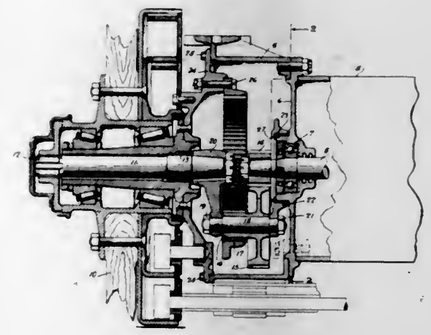
17. In a knot-tying implement, the combination of a spindle, and a tying bill comprising a stationary portion rigid with the spindle, a pivot pin mounted in said stationary portion, a clamping and shearing member mounted on said pivot pin, and a bill spring also mounted on said pin, the upper end of the spindle having a longitudinal bore therein adapted to receive the lower end of the bill spring, and the walls of said bore being shaped to provide opposed bearing surfaces for the opposite sides of the bill spring.

1,509,410. SELF-OPENING PARACHUTE. JOHN WITHERS RUFF, Charleston, S. C. Filed July 22, 1919. Serial No. 312,488. 10 Claims. (Cl. 244—21.)



1. In a device of the class described, the combination of a case consisting of a normally flat base or back having co-planar spring controlled extensions or flaps adapted to be folded inwardly on the base to form a closure for the case, the spring tensioned locking means for maintaining the flaps in closed position, and flexible means cooperating with said spring tensioned locking means whereby the same may be moved into position for releasing the flaps from the front of the operator.

1,509,411. REDUCTION GEARING. JOSEPH A. ANGLADA, Jenkintown, Pa. Filed Apr. 21, 1921. Serial No. 463,428. 2 Claims. (Cl. 74—7.)



1. In gearing of the character disclosed, a gear case having a removable end wall, an internal gear carried by and removable with said end wall, a driven shaft journaled in said removable end wall, a spider carried by the driven shaft, stub shafts carried by said spider, a motor shaft supported in alinement with the drive shaft, a pinion on said motor shaft and gears on the stub shaft in mesh with said pinion and carrying pinions in mesh with the internal gear, all whereby the removal of the end wall of the gear case will effect the removal of the internal and other gears from the driving pinion, and a ring member connecting the free ends of the stub shafts and of larger internal diameter than the driving pinion so as to pass freely thereover in the separation of the parts described.

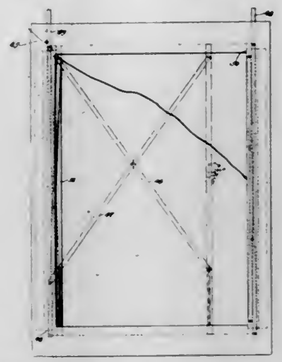
1,509,412. PRODUCTION OF META-NITROBENZALDEHYDE. DON W. BISSELL, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 24, 1920. Serial No. 353,822. 6 Claims. (Cl. 260—136.)

1. The method of nitrating benzaldehyde, which comprises gradually adding benzaldehyde to about 2½ times its volume of a cold mixture of nitric and sulfuric acids containing about 28 to 30% nitric acid, about 63 to 66% sulfuric acid and about 4 to 7% water, cooling and agitating the mixture during the addition, regulating the rate of addition and the cooling so that the temperature of the reacting mixture is held between approximately 5 and 10° C., and separating the nitrated benzaldehyde from the reaction mixture.

1,509,413. TRIPHENYLMETHANE COMPOUND AND METHOD OF PRODUCING SAME. DON W. BISSELL and ROBERT B. MCCANN, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 29, 1920. Serial No. 427,127. 9 Claims. (Cl. 260—68.)

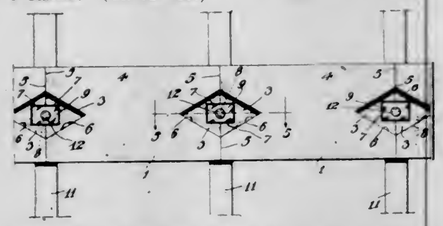
2. The method of effecting the preparation and sulfonation of 3-hydroxy-4',4''-tetraethyldiaminotriphenylmethane, which comprises subjecting meta-hydroxybenzaldehyde and diethylaniline to condensation with sulfuric acid, cooling and pulverizing the resulting product and subjecting it directly to sulfonation with oleum, whereby the 3-hydroxy-4',4''-tetraethyldiaminotriphenylmethane is obtained in the form of its sulfonic acid without intermediate isolation of the free base.

1,509,414. PLATE HOLDER. HARVEY LEWIS BOYER, Philadelphia, Pa. Filed May 31, 1919, Serial No. 300,979. Renewed Feb. 25, 1924. 2 Claims. (Cl. 95—66.)



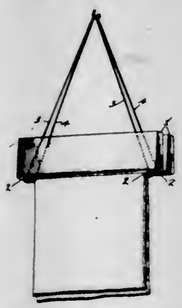
1. The combination with a carrier for a sensitized element; of a roller; a curtain mounted on said roller and movable therefrom over the sensitized element; with means for actuating said curtain consisting of a lazy tongs attached thereto and a member for actuating said lazy tongs.

1,509,415. BUILDING BLOCK. WILLIAM BRIDDES, Darby, Pa. Filed Oct. 19, 1923. Serial No. 669,457. 4 Claims. (Cl. 72—19.)



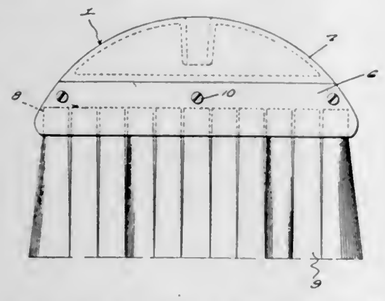
1. A building block having a cavity in its face and a recess within the cavity, the cavity and recess leading to the edge of the block and being adapted to receive means for securing the block to a building and a filler to cover the securing means.

1,509,416. GARMENT HANGER. THOMAS F. BURGESS, Scarsdale, N. Y. Filed Sept. 15, 1922. Serial No. 588,310. 2 Claims. (Cl. 211—13.)



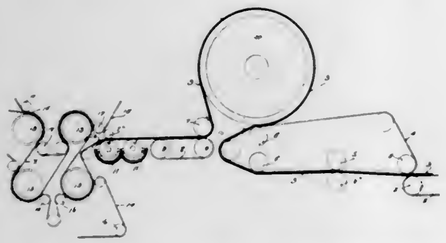
1. A garment hanger comprising a pair of plates, said plates having openings near each end of each plate extending through the plate edgewise, and pull cords passing through said openings at each end of each plate and with the ends of each cord secured to the other plate near the ends thereof, said edgewise openings in the plates being angularly disposed to prevent substantial frictional contact of said cords with the sides of the openings when the device is in use.

1,509,417. BRUSH HEAD. JAMES E. CALDWELL, Fayetteville, Tenn. Filed Apr. 16, 1924. Serial No. 706,950. 1 Claim. (Cl. 15—177.)



A brush head comprising a body portion having a handle receiving opening provided in the upper portion thereof and arranged centrally therein, the lower portion of the body portion being cut away, a clamping plate cooperating with the cut away portion, said cut away portion and the clamping plate being provided with opposed cooperating recesses formed in the inner opposed faces thereof providing a plurality of sockets in the bottom of the brush head, a series of bunches of bristles having their upper ends disposed in said sockets, and securing bolts extending through the clamping plates and the cut away portion.

1,509,418. METHOD OF MAKING CRÊPE PAPER. AUSTIN E. COFRIN, Green Bay, Wis. Filed Oct. 20, 1920. Serial No. 418,221. 2 Claims. (Cl. 92—69.)



1. The method of making and crêping paper as a continuous process which comprises forming the paper stuff into a web, drying the web, moistening the dried web as it passes from the drying apparatus and crêping the thus uniformly moistened web before again drying.

1,509,419. COLLAPSIBLE TUBE. SAMUEL BAYARD COLGATE, Orange, and MARTIN HILL ITTNER, Jersey City, N. J., assignors to Colgate & Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1923. Serial No. 681,067. 3 Claims. (Cl. 221—60.)

1. A collapsible container comprising a tube with a nozzle having screw threads on its outer surface lying below the face thereof, a central orifice in the nozzle, a packing washer lying on the face at the nozzle and having its opening in registry with the orifice, a flange extending upwardly from the face of the nozzle around the rim of the washer and having an edge overlying this rim, a cap threaded on the nozzle, means on the cap for preventing its complete removal from the nozzle, a dome formed on the lower face of the cap in registry with the orifice, this dome being of less diameter than the circular flange, and an opening through the cap at one side thereof.

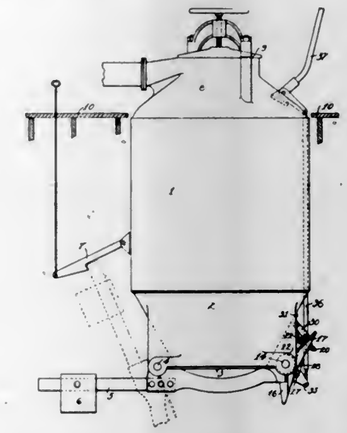


1,509,420. FOUNTAIN PEN. JACOB EDELMAN, Brooklyn, N. Y., assignor to Rose Edelman. Filed Aug. 20, 1923. Serial No. 658,336. 5 Claims. (Cl. 120—47.)



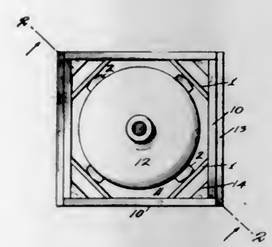
1. In a fountain pen, in combination, a barrel, a plunger stem operating and housing cap releasably threaded to the outer end of the barrel and continuous therewith, a filling plunger, an operating stem for said plunger having a plurality of telescoping sections with bayonet slot connections there between and a bayonet slot connection between said cap and the outer of the stem sections, said stem sections normally telescoped with respect to each other and into said cap with the plunger retained in outermost position in the barrel, said parts being constructed and arranged in such manner that in the unthreading and withdrawal movement of the cap, the plunger stem becomes extended and the bayonet slot connections rendered effective for plunger operation, and in the replacement of the cap, the telescoping connections become released and the stem collapsed within the cap.

1,509,421. CLOSURE-RETAINING DEVICE. JOHN H. FRANCIS, Cleveland, Ohio, assignor to The Kilby Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 21, 1920. Serial No. 375,483. 15 Claims. (Cl. 292—224.)



1. In combination, an eccentrically mounted shaft, a hook journaled thereon, positive means for rotating said hook about said shaft into operative position, and means for then rotating said shaft to impart translatory movement to said hook.

1,509,422. CARBOY. HERBERT H. GARIS, Easton, Pa., assignor to J. T. Baker Chemical Company, Phillipsburg, N. J., a Corporation of New Jersey. Filed Oct. 16, 1923. Serial No. 668,802. 5 Claims. (Cl. 217—54.)

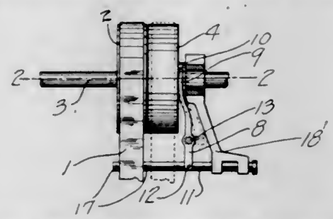


1. In a carboy, the combination with the liquid-holding receptacle and housing thereof, of resilient cleats diagonally bridging the corners of said housing and having their ends supported by the side walls of the latter, and bearing members positioned between said cleats and said receptacle.

1,509,423. DEAD-BELT-SHIFTING DEVICE. CORMAN E. GARNER, Columbus, Ohio. Filed Sept. 14, 1922. Serial No. 588,171. 2 Claims. (Cl. 64—4.)

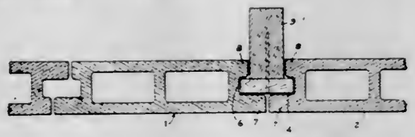
1. A device of the character described, comprising, in combination with the suitably suspended line shaft and live pulley and belt thereon; a hanger; a sleeve mounted on the hanger adjacent the live pulley and loosely embracing the line shaft; an idler pulley of equal diameter with the live pulley, freely journaled on the said sleeve at the side of the live pulley; a bracket extended laterally and horizontally from the hanger, same having a guide-way parallel to the line

shaft; a shift-rod slidingly mounted in the guide-way; shift fingers on the shift-rod at each side of the belt; a shift lever pivoted to the shift rod, same having fingers



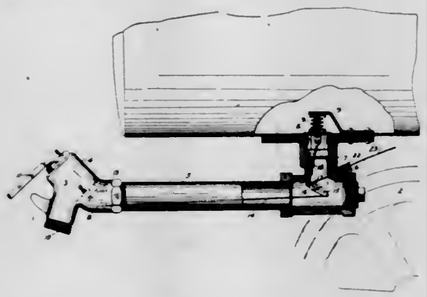
interposed between the hanger and idler pulley and having a handle hole therethrough; and a handle hinged to the ceiling and passed down through the handle hole of the shift lever.

1,509,424. BUILDING TILE. EDWARD J. GARRARD, Richmond, Calif. Filed Oct. 24, 1921. Serial No. 509,972. 2 Claims. (Cl. 72—16.)



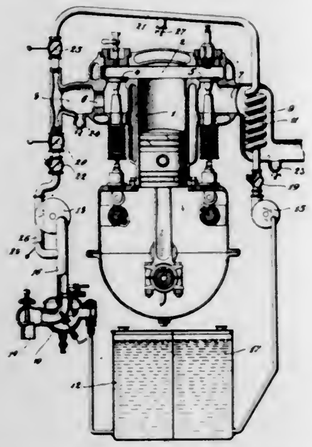
1. A building construction comprising a wall or like structure made up of a plurality of tiles, each of said tiles having like ends formed with grooves adapted to aline with the similar grooves of the next adjacent tiles, the walls of said grooves on one side being shorter than the walls on the opposite side, studding extending between the shorter walls, and a key strip on the studding engaging in and substantially filling the space provided by the grooves of tiles disposed on opposite sides of the studding.

1,509,425. OUTLET-VALVE SYSTEM. WALLACE M. GIFFEN, Alameda, Calif., assignor of one-third to Nelson W. Thompson, Oakland, Calif., and one-third to George C. Noble, Berkeley, Calif. Filed June 19, 1922. Serial No. 569,481. 12 Claims. (Cl. 137—21.)



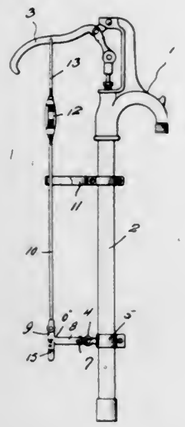
12. A valve system for tank trucks, comprising, a safety valve and a dispensing valve, and connections therebetween, the safety valve forming part of the bottom of said tank, the dispensing valve adapted to open and close by a rotary motion and the safety valve adapted to open and close by a reciprocating motion, the opening of said safety valve being dependent upon the opening of the said dispensing valve, but the closing of said safety valve being dependent at times, upon spring means carried by said valve in conjunction with manually operable means connected therewith.

1,509,426. APPARATUS FOR FORMING FUEL CHARGES FOR INTERNAL-COMBUSTION ENGINES. NORRIS B. GREGG, Jr., St. Louis, Mo. Filed Oct. 13, 1919. Serial No. 330,189. 5 Claims. (Cl. 123—25.)



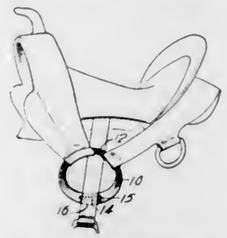
1. In an apparatus for forming fuel charges for internal combustion engines, the combination of a source of hydrocarbon fuel supply, means for generating superheated steam under pressure, a chamber arranged for the reception of fluid from said source and said means, means for inducing pressure upon fluid supplied from said source to said chamber, and means for regulating the supply of steam under pressure from said first mentioned means.

1,509,427. DRAIN ATTACHMENT FOR HAND-OPERATED PUMPS. CARL BENNETT HAGEN, Ute, Iowa. Filed May 12, 1924. Serial No. 712,691. 2 Claims. (Cl. 137—34.)



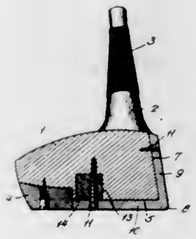
2. A drain attachment for a hand operated pump comprising a drain valve in the stand pipe of the pump, a valve actuating member associated with said valve, an elongated rod connected at one end to the valve actuating means and at its opposite end to the handle of the pump whereby said valve actuating means is operated by the handle to open and close said valve, guide means for said rod, and a stop member associated with the valve actuating means.

1,509,428. RIGGING RING. PHILIP JOSHUA HENRY, Sacramento, Calif., assignor to The Van Voorhies-Phinney Co., Sacramento, Calif., a Corporation. Filed Apr. 22, 1924. Serial No. 708,295. 2 Claims. (Cl. 54—46.)



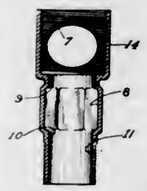
2. A relatively thin substantially oval rigging ring having its oval opening eccentrically arranged whereby to provide a widened portion along one of its long sides, said widened portion having an elongated strap receiving slot, and a plurality of outwardly curved portions at the ends of the ring forming strap retaining means.

1,509,429. GOLF CLUB. JOHN A. HILLERICH, Louisville, Ky. Filed Jan. 19, 1924. Serial No. 687,296. 3 Claims. (Cl. 46—4.)



1. A golf club head comprising a body portion having a channeled forward driving face and a channeled lower sole face, the channels in said faces intersecting at the lower forward edge of said body portion and having side walls which diverge toward said edge; and an integral metallic angle member having an upwardly extending front flange and a rearwardly extending lower flange respectively disposed in said channels, the edges of said flanges being inclined to correspond to the inclination of the said walls of said channels to provide a wedging action therebetween and a wedging action between the flanges of said angle member and the body portion of said club.

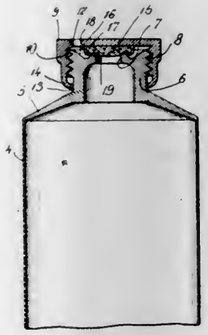
1,509,430. FAUCET AND METHOD OF MAKING THE SAME. JOHN H. HORSBURGH, Cleveland, Ohio. Filed Oct. 16, 1922. Serial No. 594,695. 9 Claims. (Cl. 29—157.)



1. The method of making a faucet comprising shaping a thin metallic disc into a cup form, shaping said cup into a hollow product having a large open section and a reduced closed section with an intermediate abrupt valve seat the area of whose smallest bore is no less than that of said closed section, removing the tip of the closed section, forming a polygonal nut portion intermediate the ends of the reduced section, said nut portion having the cross area of its interior no less than that of the smaller end of the tube, and threading the larger and reduced ends of the tube internally and externally, respectively substantially as set forth.

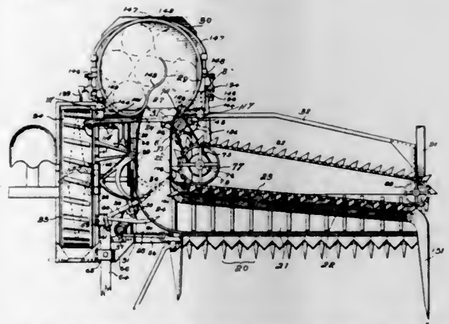
3. A faucet having integral walls of thin metal and comprising an inflow section having a nut portion intermediate its ends, an enlarged exit section, an annular bent portion connecting the two sections together and serving as an abrupt valve seat, neither the nut portion nor the bent portion having a smaller bore than that of the inflow section, and a valve plug in threaded engagement with said exit section and adapted to engage said valve seat.

1,509,431. COLLAPSIBLE TUBE. MARTIN HILL ITTNER, Jersey City, N. J., assignor to Colgate & Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1923. Serial No. 681,077. 3 Claims. (Cl. 221—60.)



1. A collapsible container comprising a tube with a nozzle having screw threads formed on the external surface thereof, a central orifice in the nozzle, a depression in the face of the nozzle spaced from the orifice to form a seat, a cap threaded on the nozzle, means on the cap engaging the nozzle to prevent complete removal of the cap, a circular flange on the inner face of the cap, a packing disc lying within the flange, the latter having an inturned edge overlying the rim of the disc, and being positioned opposite and adapted to enter the depression when the disc is against the seat, and an opening through the cap communicating with the depression.

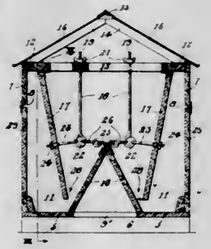
1,509,432. COMBINED REAPER, BINDER, AND SHOCKER. JOSEPH M. JOHNSON, Rich Hill, Mo. Filed Mar. 25, 1921. Serial No. 455,505. 4 Claims. (Cl. 56—70.)



3. In a shock former, a guide device curved to embrace a plurality of bundles, and having an entrance opening, an inner guide piece extended from one side of the entrance

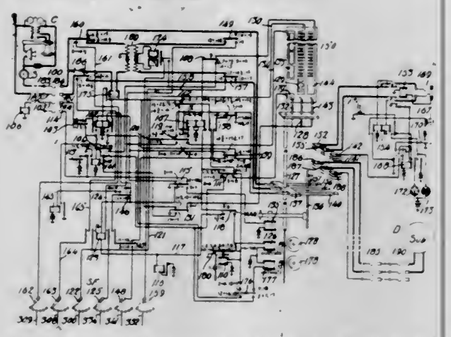
into the guide device aforesaid in a relation with the opposite side of the entrance to snugly receive bundles therebetween, means to deliver bundles to the former, means to tie a shock therein, means to raise the guide device above a shock therein, and means to simultaneously discharge a shock.

1,509,433. AUTOMATIC HOG FEEDER. GEORGE A. KNILANS, Fort Atkinson, Wis. Filed Feb. 28, 1924. Serial No. 695,730. 2 Claims. (Cl. 119—53.)



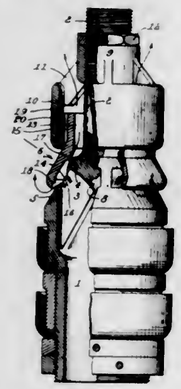
2. In a device of the kind described, a housing having end walls, and lateral access openings in the side walls and a floor, a partition resting on the floor and extending longitudinally between the end walls to provide feeding troughs, longitudinally extending boards hinged at their upper edges in the upper part of the housing and depending toward the floor in spaced relation to the floor and partition to constitute hopper sides, and means for varying the gap between the lower edges of said boards and the partition for controlling the passage of feed from the hopper to the trough, said means including flexible connections between the partition and the boards, and depending longitudinally adjustable rods carried by the upper portion of said housing and connected to the central portions of said flexible connections for raising and lowering said central portions to move the hinged boards toward and away from said partition, and depending doors covering the access openings and arranged to swing inwardly against the hinged boards to jar the latter.

1,509,434. TELEPHONE-EXCHANGE SYSTEM. OTTMAR H. KOPP, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1921. Serial No. 465,294. 9 Claims. (Cl. 179—27.)



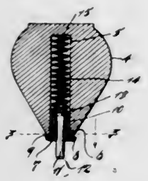
1. In a telephone exchange system, a calling subscriber's line, selector switches for extending a connection from said line, a register sending mechanism for controlling said switches, means associated with said calling line for setting the registers of said sending mechanism in accordance with the designation of a desired connection, an operator's position, a signaling device associated with said operator's position, means operative after a delayed setting of said registers for operating said signaling device, a trunk circuit, and means effective upon the response of the operator to said signaling device for cancelling the setting of said registers imposed by the calling subscriber and for resetting said registers to control the extension of said calling line to said trunk circuit.

1,509,435. VALVE FOR DEEP-WELL PUMPS. FRED J. LUKINS, Huntington Park, Calif. Filed Mar. 13, 1923. Serial No. 624,719. 5 Claims. (Cl. 103—225.)



1. In a pump plunger, an axial stem, a valve guide comprising a hub, a cylindrical shell connected thereto by radial arms, said guide being adapted for adjustable positioning on said stem.

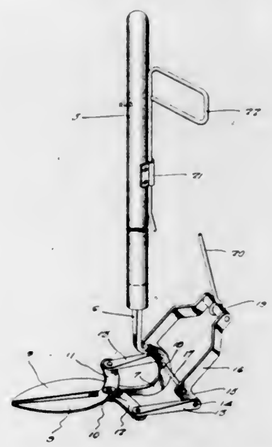
1,509,436. TOP. LOUIS MARX, Brooklyn, N. Y. Filed Oct. 31, 1921. Serial No. 511,562. 3 Claims. (Cl. 46—32.)



1. A bounding top comprising a body, an axially disposed bore extending vertically from the apex through the major portion of said body, a sleeve formed of unyielding material rigidly secured within the outer end of the bore opening and having an annular rim flush with the edges of said opening, a peg slidable axially in said sleeve, a collar formed on the peg stem normally bearing on the inner end of said sleeve, and a resilient connection between said collar and the bottom of said bore in alinement with said peg yieldingly forcing the peg to its outermost position through said sleeve with its tip beyond said annular rim.

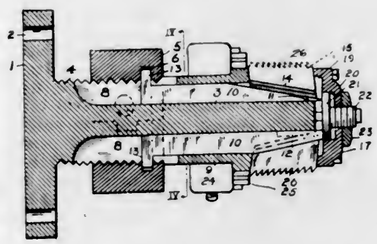
1,509,437. AGRICULTURAL IMPLEMENT. ADOLPH MEYER, Newaygo, Mich. Filed Nov. 26, 1923. Serial No. 677,126. 1 Claim. (Cl. 30—11.)

An agricultural implement of the character described comprising a vertical elongated handle having a shank fixed to the lower end thereof, said shank terminating in a horizontal forwardly directed end portion, a pair of jaws projecting forwardly from the free end of the shank and having their rear ends pivoted together and upon the free end portion of the shank, said jaws having crossed arms extending rearwardly and laterally in opposite directions from the pivotal connection of the jaw, rearwardly extended links connected to the outer ends of the



arms, vertically swinging bell crank levers pivotally mounted upon the shank rearwardly of the jaws, and a vertically movable operating rod slidably attached to the handle, and pivotally connected at its lower end to the upper ends of the bell crank levers.

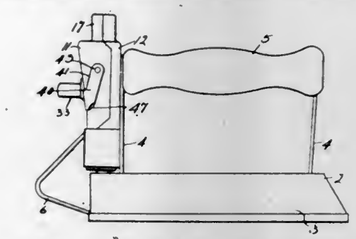
1,509,438. MEANS FOR CUTTING UNDERCUT THREADS. GEORGE E. MILLER, Etna, Pa. Filed June 6, 1922. Serial No. 566,239. 3 Claims. (Cl. 10—145.)



1. In a thread-cutting device, a body, a collapsible thread-cutting die carried thereby and means guiding the die at an angle to the axis of the device, and means for moving the die in the body, the cutting face of the die having thread-cutting teeth, each with one face undercut and inclined in the same general direction as the direction of movement of the die, but at an angle not greater than the angle which the said direction of movement makes with a line perpendicular to the axis of the device, whereby the dies may, after the device has cut a thread, be moved inwardly in their said guiding means so as to withdraw the teeth of the dies from the thread without rotating the said device.

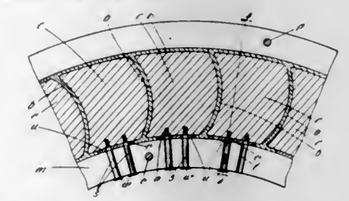
1,509,439. COMBINATION CONNECTER PLUG AND AUTOMATIC SWITCH. WILLIAM MORLOK, Philadelphia, Pa. Filed Dec. 4, 1922. Serial No. 604,706. 4 Claims. (Cl. 219—25.)

1. The combination with an electric iron comprising a base, a handle and a support, of a connecter plug for detachable connection with said iron, a switch in said connecter plug, means to normally hold said switch in a closed position, and means for contact with the surface



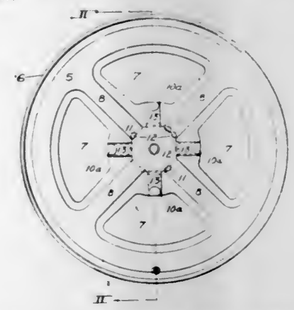
on which the iron is resting when in a tilted position to actuate the first named means to cause the switch to be opened.

1,509,440. MOLD FOR THE PRODUCTION OF AIR TUBES FOR PNEUMATIC TIRES. THOMAS BAKER MCLEROTH, London, England. Original application filed May 5, 1922, Serial No. 558,635. Divided and this application filed Mar. 7, 1923. Serial No. 623,392. 7 Claims. (Cl. 18—45.)



3. For the production of the tube proper of an air tube for a pneumatic tire, comprising a series of compartments into which open apertures in said tube proper, a tubular patch closing said apertures and valveless rubber feed tubes mounted on said tubular patch and projecting through said apertures one into each compartment, a mold comprising two annular sections divided on a substantially central plane and adapted to be clamped together, a plurality of cores in said sections, and aperture-producing means carried by said cores for producing at the inner periphery of the tube apertures through which the cores may be withdrawn.

1,509,441. REEL FOR MOTION-PICTURE FILMS. EDWIN G. NESS-WANER, Pittsburgh, Pa. Filed Mar. 20, 1923. Serial No. 626,287. 14 Claims. (Cl. 242—74.)



1. A reel for motion picture films comprising a hub and side plates, said hub having a co-axially extending slot therein adapted to receive a film, and a tooth at each edge of the slot projecting part way across it for engaging a perforation in a film, the tooth at one side

of the slot being adapted to engage the film when the reel is revolved in one direction and the tooth at the other side of the slot being adapted to engage the film when the reel is revolved in the opposite direction.

1,509,442. AZO DYES. JAMES P. PENNY, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed July 13, 1922. Serial No. 574,789. 4 Claims. (Cl. 260—70.)

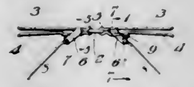
1. The hereindescribed new azo dyestuffs obtainable by combining two molecular proportions of a diazotized aminoazodisulfonic acid of the benzene series, with one molecular proportion of 5.5'-dihydroxy-2.2'-dinaphthylurea-7.7'-disulfonic acid, which dyestuffs are, after being dried and pulverized, in the shape of their alkaline salts brown to red powders soluble in water with a crimson color, soluble in concentrated sulfuric acid with a bluish-green color; and dyeing cotton in a neutral bath bluish red shades, leaving wool and silk almost entirely unstained, and being discharged to a white with hydrosulfite.

1,509,443. EXPANDING REAMER. FRANK J. PETERSON, Swissvale, Pa. Filed Jan. 20, 1923. Serial No. 613,965. 8 Claims. (Cl. 77—75.5.)



1. An expanding reamer comprising a mandrel having a series of longitudinal grooves therein whose depth increases from one end of the mandrel toward the other, a series of segmental longitudinally extending bits, and a key on under face of each bit and movable therewith engaging in a groove in the mandrel and slidable therein to adjust the bits to different positions, and means for holding the parts in the different positions to which they are adjusted.

1,509,444. NECKWEAR-ATTACHING DEVICE. ARTHUR W. PITHOUSE, Philadelphia, Pa. Filed Dec. 4, 1923. Serial No. 678,439. 3 Claims. (Cl. 24—81.)



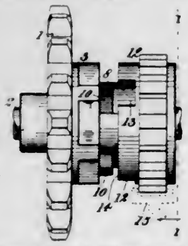
1. A device for attaching an article of neckwear to a collar consisting of a clip formed of parallel pairs of limbs between which the edge portions of a collar may be received, a central loop to which said pairs of limbs are connected and a lever mounted upon each of the inner of said limbs adapted to engage the limbs and thereby close the limbs on the collar and retain the clip tightly thereon.

1,509,445. PLATE FOR STOVES. DAVID SCHWARTZ, Newark, N. J. Filed Mar. 27, 1924. Serial No. 702,418. 1 Claim. (Cl. 126—215.)



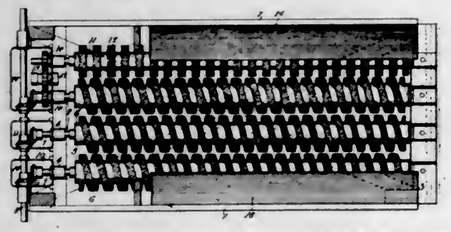
A plate for stoves comprising a one-piece flat ring having a trough extending around its outer edge, the plate having feet on its bottom face, said feet being formed as curved bands with flat lower faces so as to insure the plate resting level on the grill of a stove.

1,509,446. CLUTCH. BRONSON C. SKINNER, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed Oct. 3, 1921. Serial No. 504,875. 1 Claim. (Cl. 192—47.)



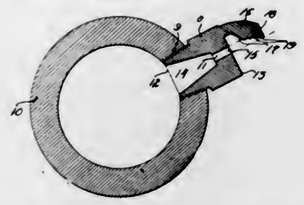
In combination with a drive sprocket formed with a recess opening at one end of the hub thereof and said recess being formed on its interior with a plurality of symmetrical angularly disposed clutch dog engaging faces, a driven shaft rotatably mounting said sprocket, a sleeve keyed to said shaft and extending into said hub recess, said sleeve provided on its periphery with a plurality of radially disposed clutch dog mounting depressions, a clutch dog pivotally mounted in each of said depressions with its free end adapted for swinging movement by gravity beyond the periphery of said sleeve to engage with said dog engaging faces, said dogs adapted to project beyond the end of said recess hub, a collar mounted for free movement on said sleeve and inwardly cut at its end to provide a plurality of dog receiving recesses for the reception of the free ends of said dogs when in engagement with said faces, and means for laterally moving said collar to position the same within the path of the projecting portions of said dogs and for holding the same stationary relatively to the rotating hub whereby said dogs on the rotation of said shaft are caused to pass beneath a portion of said collar separating said slots whereby said dogs are withdrawn from engagement with said faces.

1,509,447. POLISHING MACHINE. BRONSON C. SKINNER, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed Feb. 23, 1924. Serial No. 694,573. 6 Claims. (Cl. 146—202.)



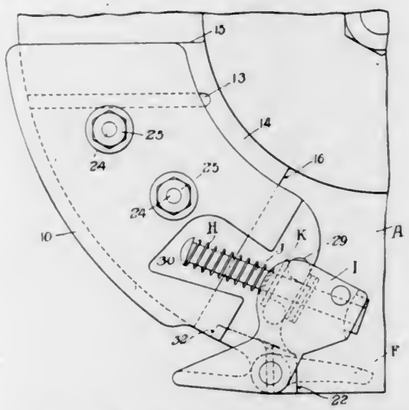
1. A fruit treating apparatus, comprising a bed formed of a series of parallel spaced downwardly inclined rotatably mounted brushes disposed in substantially the same plane, means for rotating the brushes in the same direction, a rotatable buffer brush arranged at one side of the series with its periphery elevated above the surface of the bed, and means for rotating said latter brush.

1,509,448. SPRAYING NOZZLE. CHARLES W. SKINNER, Newfield, N. J. Filed Aug. 9, 1921. Serial No. 490,856. 3 Claims. (Cl. 299—121.)



1. A spraying nozzle including a body portion provided with a duct, and a shoulder formed integral with and extending outwardly from said body portion and having a portion slanting across a part of the outlet end of said duct, said slanting portion being provided with grooves extending transversely across.

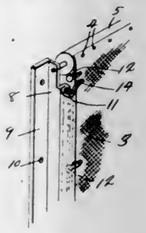
1,509,449. WEFT-REPLENISHING MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 17, 1922. Serial No. 553,341. 3 Claims. (Cl. 139—251.)



1. A weft replenishing loom having, in combination, a fixed magazine-carrying stand; a bracket removably fastened to said stand, said bracket having a bearing at its lower end which fits beneath a portion of the stand; a pivot stud carried by said bearing; a headed pin extending through said bracket and the pivot stud, the head of the pin being located immediately beneath the stand when the bracket is secured thereto whereby the pin cannot become loose or detached; and a bobbin head support swinging on said stud.

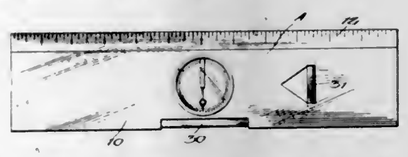
1,509,450. AUTOMOBILE SCREEN. EDWARD J. SWEENEY, Council Bluffs, Iowa. Filed July 13, 1920. Serial No. 395,877. 1 Claim. (Cl. 296—138.)

The combination with an automobile window opening, of a screen therefor, said screen comprising a horizontally disposed roller adjacent the upper side of the window opening, a wire mesh screen carried by said roller and unrolled from the forward side thereof, the lower end of the wire mesh screen being provided with a horizontally disposed stiffening rod, latching means carried adjacent the lower end of the window opening for engaging and holding the reinforcing rod, channel guides adjacent the opposite sides of the window opening, said guides comprising angularly shaped bars secured to a support adjacent the inner side of the roller, an outwardly extending flange carried by said bars, said roller having bearings in said outwardly extending flanges, the outer ends of said outwardly extending flanges



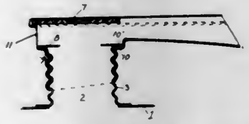
being bent upon themselves to form channels in vertical alignment with the outer side of the roller, the upper outer side of said channels being provided with upwardly and outwardly extending integral guide lugs, and relatively close headed members carried by the sides of the wire mesh screen and having their heads disposed in the channeled members, said wire mesh screen being held against bulging inwardly incident to air pressure as the vehicle moves forwardly and the wire mesh allowing the passage of air through the screen and excluding foreign matter.

1,509,451. MEASURING INTRUMENT. FRED D. TAMPLIN, Chicago, Ill. Filed Feb. 24, 1923. Serial No. 620,958. 3 Claims. (Cl. 33—215.)



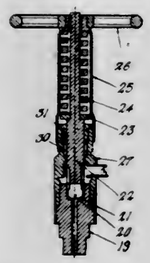
1. A measuring instrument comprising a body, an inclinometer including a dial plate and a rotatable weighted pointer associated with said body, a spirit level and plumb carried by the body and a graduated rule secured to one edge of said body.

1,509,452. CONTAINER. PAUL TARAS, Leonia, N. J. Filed Oct. 15, 1923. Serial No. 668,586. 2 Claims. (Cl. 221—19.)



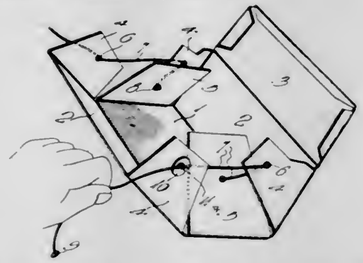
1. A liquid container having an opening therein, a screw cap for the opening, an air inlet on the side of said cap, a resilient element fixed to the inside of the top wall of said cap, a spout handle opposite said air inlet formed integral with the cap extending from the side thereof and below said element the cap being so mounted that when it is turned a limited amount in one direction the container is open through the spout, and when it is turned in the other direction it operates to seal the container with said element.

1,509,453. HOMOGENIZER FOR LIQUIDS. FRANCOIS XAVIER OVIDE TRUDEL, Montreal, Quebec, Canada. Filed Feb. 19, 1923. Serial No. 620,092. 5 Claims. (Cl. 99—2.)



5. In a homogenizer for liquids, a plurality of separately cast pump cylinders communicating together, a valve on one of the cylinders in communication therewith through a valve seat having a concentric annular rib located between the centre and the outer circumference of said valve seat, the contacting area of the valve and valve seat being relatively small and located remote from an inlet opening to said valve seat, an air chamber on another of said cylinders and a pressure gange communicating with same, a safety valve upon a third cylinder, plungers for the aforesaid cylinders, and means for actuating said plunger.

1,509,454. COLLAPSIBLE LUNCH BOX. JOHN UNSER, Carthage, N. Y. Filed Feb. 12, 1923. Serial No. 618,547. 2 Claims. (Cl. 229—41.)



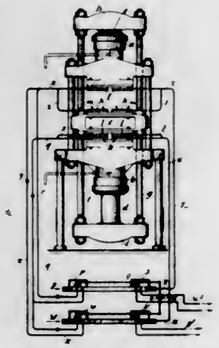
2. A folding lunch box comprising a plurality of sides connected together by cords, said sides being provided with foldable end-flaps arranged in overlapping relation, said end-flaps being provided with alined holes, separate cords passing slidably through said holes and connected at their inner ends with said flaps, the free outer ends of said cords being adapted to pass in opposite directions over the top of the box to provide a handle for carrying the latter, and anchoring means secured to said flaps, the free ends of said cords being adapted to be detachably connected with said anchoring means.

1,509,455. DOUGH-FORMING MACHINE. JOSEPH VALENTA, Taft, Calif. Filed Oct. 3, 1922. Serial No. 592,091. 4 Claims. (Cl. 107—4.)



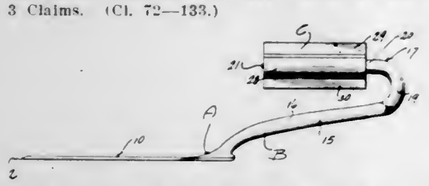
1. In a device of the character described, in combination, a bottomless hopper; plural pairs of opposed rolls in vertical arrangement below said hopper; an exuding plate between the upper of said pairs below the axial plane thereof; closure means comprising hinged stripping plates between said upper rolls and said exuder; and cut-off means below said exuder.

1,509,456. HYDRAULIC MOLDING PRESS. JOSEF VAN HÜLLEN, Crefeld, Germany. Filed Oct. 9, 1922. Serial No. 593,411. 7 Claims. (Cl. 18—17.)



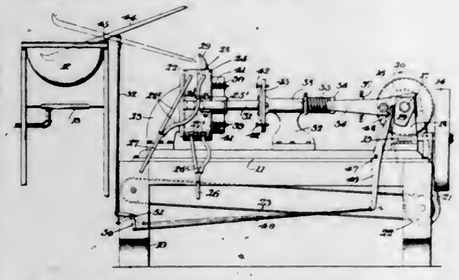
1. A hydraulic press for making, by means of moulds, articles from shapable raw materials, such as celluloid, caoutchouc, soft metals, sheet metal, comprising a movable system of reciprocating pressure pistons, a pressure table mounted in said system to follow the strokes of said pistons, and stationary abutments mounted to cooperate with the two surfaces of the table.

1,509,457. MASON'S TOOL. FRANK L. WICKHAM, Lennon, Mich. Filed Nov. 13, 1922. Serial No. 600,753. 3 Claims. (Cl. 72—133.)



1. As an article of manufacture, a shaping tool comprising a substantially cylindrical shaped body portion, and radial projections extending therefrom and longitudinally thereof provided upon their extremities with beading and shaping surfaces of various kinds.

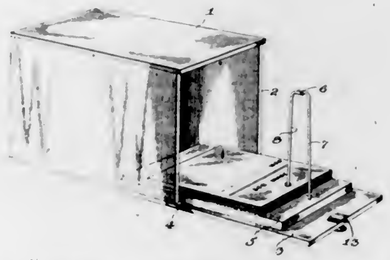
1,509,458. DIE-CASTING MACHINE. RUBEN H. WILLIAMS, Flint, Mich. Filed Mar. 7, 1923. Serial No. 623,423. 11 Claims. (Cl. 22—57.)



1. In a casting machine, a supporting frame, a stationary mold section arranged thereon, a reciprocatory mold section mounted for movement toward and away from the stationary mold section, a stationary guide mounted upon

the bracket, a reciprocatory rod having sliding engagement with the stationary guide, and connected with the reciprocatory mold section to move it, a stop element mounted upon the reciprocatory rod, a compressable coil spring surrounding a portion of the reciprocatory rod and arranged in advance of the stop element, a collar slidably mounted upon the reciprocatory rod in advance of the compressible coil spring and engaging therewith, a stop element mounted upon the reciprocatory rod in advance of and spaced from the slidable collar, a rotatable shaft arranged transversely upon the supporting frame and embodying a crank, a pitman pivotally connected with the crank and pivotally connected with the slidable collar, means for introducing molten metal into the mold sections, and means automatically operated by the transverse shaft for operating the molten metal feeding means.

1,509,459. PRESCRIPTION FILE. DUNCAN E. WILLIAMSON, Seguin, Tex. Filed Apr. 3, 1924. Serial No. 704,012. 2 Claims. (Cl. 129—1.)



1. A file cabinet including a box provided with a front opening, a door for closing said opening, a hinge for attaching said door adjacent the bottom of the opening, and a lug attached to the box and arranged to support the door horizontally and flush with the bottom of the box when in open position, a base-board adapted for sliding movement into and out of said box, and a divided loop secured to said base-board.

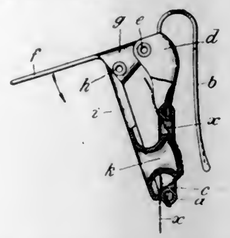
1,509,460. WINDOW-SHADE ADJUSTER. JOHN L. ZELLER, Los Angeles, Calif. Filed Nov. 4, 1922. Serial No. 599,079. 3 Claims. (Cl. 156—25.)



1. In combination with a window shade roller, an expansible tubular element at each end of the roller having a slot through which the shade material depends, and means co-acting with said elements whereby the effective diameter of either element may be increased.

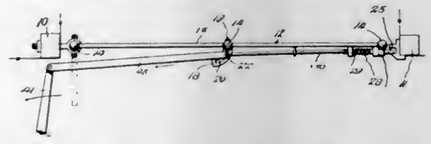
1,509,461. PINCH SUPPORT FOR GARMENTS (WOVEN OR KNITTED GOODS). ALBERT AERI and FRANÇOIS JEANTET, Geneva, Switzerland. Filed Oct. 23, 1922. Serial No. 596,466. 2 Claims. (Cl. 24—246.)

2. A garment supporting clasp comprising, a loop carrying member, a loop, having bent edges forming a roll, carried by said member, a two piece toggle member cooperating with the loop carrying member, one of the toggle pieces being an actuating member, the other toggle piece being an actuated member and having a shank portion curved to conform to the curvature of the loop, and a knob carried by the shank portion, whereby fabric can be pressed into said loop, by said knob and held therein, wherein the loop carrying member is of stamped metal, and has pivoting ears, the actuating toggle member being pivoted in



said ears, the actuated member being pivoted to the actuating member eccentrically to the pivot of the actuating member.

1,509,462. GATE FASTENER. LLOYD ANDERSON, Onawa, Iowa. Filed Feb. 5, 1923. Serial No. 617,092. 3 Claims. (Cl. 292—164.)



1. The combination with a pair of gateposts, a gate pivoted at one end to a post of the pair and provided at its free end with a latch coacting with a catch plate on the other post of the pair, a casting secured to the gate intermediate the ends thereof and having a slot extending outwardly from the gate and curving toward the pivoted end thereof, the side of the casting next adjacent the latch of the gate being provided with a second slot communicating with the first named slot, a pivot bolt directed through the first named slot, a link extending through the second named slot and attached to the pivot bolt at one end and having its opposite end engaged with the latch, a longitudinally movable member engaged with the pivot bolt, and means for shifting the longitudinal member.

1,509,463. PROCESS OF MANUFACTURING ESTERS. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc., a Corporation of West Virginia. Filed Nov. 4, 1921. Serial No. 512,749. 9 Claims. (Cl. 260—166.)

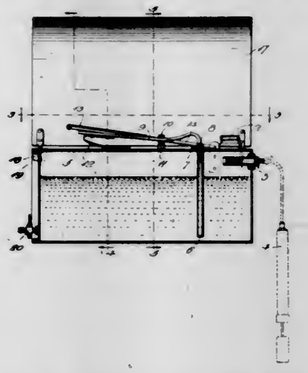
1. The process of manufacturing an aliphatic ester comprising allowing an acid and a monohydric alcohol to interact in the presence of a fused inorganic catalyst maintained at a temperature sufficient to drive off the water formed during the interaction.

3. The process of manufacturing an ester comprising mixing an acid and an aliphatic alcohol in the presence of an inorganic catalyst maintained at a temperature sufficient to drive off water formed during the interaction, conducting the products formed into a condensing chamber wherein the water is removed, and then separating the ester from the remainder of the products.

1,509,464. POULTRY DISINFECTING DEVICE. THOMAS ALBERT BARRY, New Holland, Ill. Filed Feb. 25, 1924. Serial No. 695,120. 1 Claim. (Cl. 119—159.)

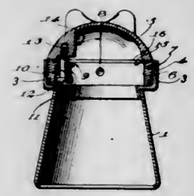
A disinfecting device comprising a tank for containing disinfectant under pressure and having a substantially horizontal top, a discharge pipe for the disinfectant extending through the top of said tank, a lever fulcrumed between its ends over the top of said tank, a valve carried by one end of said lever and fitting in

the discharge end of said pipe to close the latter, a spring disposed between the top of said tank and the other end of said lever to normally maintain said lever in the position wherein the discharge end of said pipe



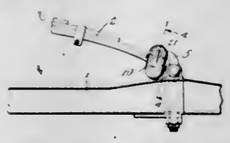
is closed by said valve, and a treadle pivoted at one end above the top of said tank and bearing upon the last named end of said lever to operate the latter and open said valve when depressed.

1,509,465. CAP FOR RADIATORS AND THE LIKE. JOSEPH LIVINGSTON BAYA, Atlanta, Ga. Filed May 13, 1924. Serial No. 713,011. 3 Claims. (Cl. 220—33.)



1. A device of the character described comprising a top having a lug with a threaded opening, a threaded ring arranged to be screwed upon the threaded portion of a radiator filling neck, means including a set screw carried by the ring for fixing the ring in position, a lip carried by the ring, a stud providing the pivotal connection for the top upon the ring so that the top may be swung across the filling neck at right angles to the axis of the opening, said stud having a threaded end to enter said threaded opening and having a head, and means including a spring situated on the stud between the head and said lip to seat the top under tension.

1,509,466. SPRING-SHACKLE LUBRICATOR AND COVER. ALBERT B. BEITMAN, Cleveland Heights, Ohio. Filed Dec. 6, 1920. Serial No. 428,467. 10 Claims. (Cl. 267—54.)

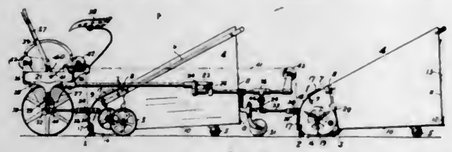


1. As a new article of manufacture, a lubricant-containing casing designed to enclose a spring shackle and arranged to admit the shackle support and the end of the vehicle spring, the said casing being free to swing with the shackle.

1,509,467. METHOD FOR THE SIMULTANEOUS PRODUCTION OF DEMINERALIZED AMYLACEOUS SUBSTANCES AND LOWER NITROGENOUS MATTER FOR FOOD PURPOSES BY THE USE OF TUBERS OR CEREALS IN WHOLE OR BROKEN GRAINS. AUGUSTE BOIDIN, Seclin, France, and JEAN EFFRONT, Brussels, Belgium. Filed Nov. 9, 1921. Serial No. 514,099. 3 Claims. (Cl. 99—11.)

1. Process for the treatment of farinaceous matters consisting in submitting the same, without any previous treatment, to a slightly acid fermentation, at a temperature of at least 50° C. and with the use of a very reduced amount of liquid, thereby allowing to obtain, on the one hand, concentrated nitrogen containing extracts and, on the other hand, the amylaceous matter deprived of minerals.

1,509,468. GANG LAWN CLEANER AND RAKE. WILLIAM P. M. BRAUN, Philadelphia, Pa. Filed Mar. 29, 1922. Serial No. 547,676. 8 Claims. (Cl. 55—145.)

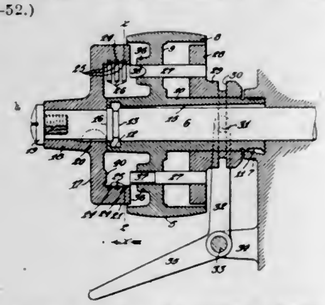


1. A gang lawn cleaner and rake comprising in combination a set of self-supporting sectional cleaner and rake units each comprising a sweeper section having a roller and driving wheels and a carrying section having ground wheels and said sections articulated for a limited range of relative movement, a self-supporting frame comprising an interconnected wheeled bolster and a wheeled reach having a fifth wheel, radius rod and slot-and-pin connections between the frame and each unit for trailing the latter with freedom for rocking and vertical movements in respect to the frame, and lifting gear between the frame and each sweeper section for tilting the latter on its driving wheels to lift the roller and for thereafter tilting both sections in respect to the ground wheels to clear the driving wheels.

4. A gang lawn cleaner and rake comprising in combination a wheeled frame of which the wheels operate to make the frame self-supporting, wheeled cleaner and rake units, draft connections between the frame and units, and lifting gear between the frame and units.

8. A gang lawn cleaner and rake comprising in combination a wheeled frame having a reach, a yoke turnably mounted on the reach, a wheeled cleaner and rake unit, and draw bars connected with the unit and yoke.

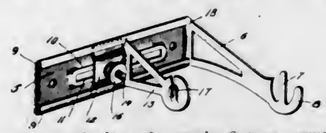
1,509,469. CLUTCH AND SPEED-CONTROLLING DEVICE. CARL A. BRINK, Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee, a Corporation of Massachusetts. Filed June 10, 1921. Serial No. 476,473. 20 Claims. (Cl. 192—52.)



1. In a clutch and speed-controlling device, the combination of a driving-element, a driven-element, a series of annular split clutch-members arranged to frictionally

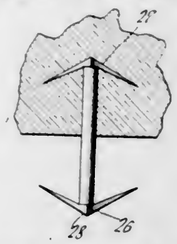
engage with one of said elements, and means to successively connect the several clutch-members with the other element to operate said members to effect a clutching-action with a gradually augmented force.

1,509,470. ROLLER SHADE AND CURTAIN FIXTURE. THOMAS W. BURGESS, Providence, R. I. Filed May 18, 1922. Serial No. 562,024. 2 Claims. (Cl. 156—24.)



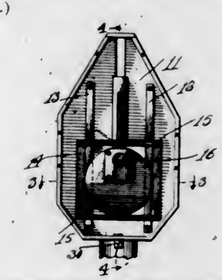
1. A combined shade and curtain fixture, comprising a horizontally disposed baseplate provided with an indented central longitudinal portion extending nearly the entire length thereof having a longitudinal slot therein extending substantially the length of said indented portion, marginal longitudinal grooves, and an integral curtain rod supporting bracket extending horizontally forward therefrom at the outer end thereof, a shade roller bracket having a base slidably mounted in said marginal grooves, and an integral arm extending from the outer end thereof for supporting one end of a shade roller rod, whereby a shade approximately equal in width to the curtain rod may, when desired, be supported therein, and means slidable in said longitudinal slot for locking the shade roller bracket to said curtain bracket base in any predetermined position.

1,509,471. SPARK PLUG. PAUL B. BURHANS, Sanford, Fla. Filed Feb. 21, 1920. Serial No. 360,271. Renewed Feb. 25, 1924. 3 Claims. (Cl. 123—169.)



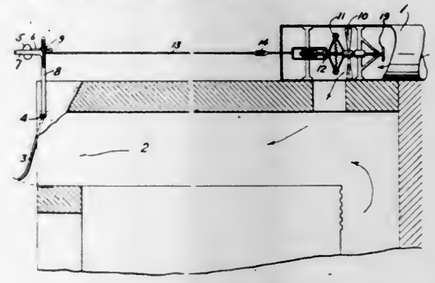
1. In a spark-plug having spaced terminals, one insulated from the other, a conducting-body positioned between the terminals, said conducting-body having like enlarged heads on its opposite extremities, one head being embedded in insulation, the heads having current-transmitting points directed respectively toward said terminals.

1,509,472. WINDMILL. EZRA O. CAREY, Marion, Ind. Filed Aug. 28, 1922. Serial No. 584,793. 1 Claim. (Cl. 74—14.)



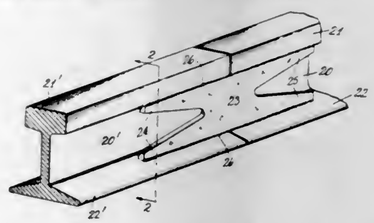
In a device of the kind described, a casing having a removable front plate, the lower part of said casing and front plate being made to retain oil, a pair of vertical guide rails mounted on the rear wall of said casing, a frame comprising a pair of vertical members engaging outside faces of the guide rails and transverse members connecting said vertical members and positioned in front of the guide rails, a wind wheel shaft extending into the casing, an eccentric mounted on the wind wheel shaft and positioned between the transverse members of the frame, a bracket extending up from the upper transverse member to the upper part of the frame and having a lateral extension at its upper end passing through the rear wall of said casing, said casing being provided with a vertical slot to accommodate said lateral extension and a sucker rod connected with the lateral extension outside of said casing.

1,509,473. DRAFT REGULATOR. JOSEPH J. FOWDEN, Philadelphia, Pa. Filed Nov. 16, 1920. Serial No. 424,431. 2 Claims. (Cl. 236—15.)



1. In a draft regulator the combination of an air duct including a boiler-chimney-flue, an apron damper in the flue, a movable weight mounted on the damper to overbalance the same, a fan arranged in the air duct and provided with a centrifugal governor mechanism, and connections between the weight and governor mechanism, substantially as described.

1,509,474. JOINT. CHESTER F. GAILOR, Brooklyn, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,274. 4 Claims. (Cl. 238—164.)

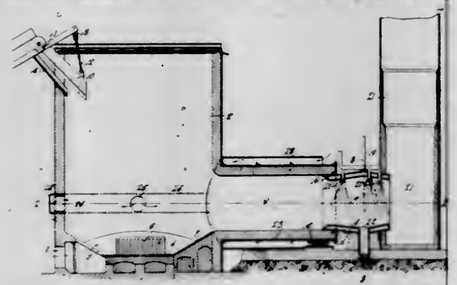


1. A welded rail joint including the rails, a connecting plate fitting the fishing spaces of both rails and having the top and bottom edges thereof welded their full lengths respectively to the head and base flanges of the rail, the top and bottom edge portions of the plate being of equal length and the vertical cross-section of the plate decreasing from its central portion toward its ends.

1,509,475. WOOD-REFUSE DESTROYER. CHARLES HARRISON, Vancouver, British Columbia, Canada. Filed Nov. 14, 1923. Serial No. 674,775. 6 Claims. (Cl. 110—8.)

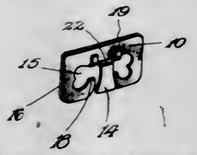
4. A refuse burner, comprising in combination, a cylindrical chamber having a closed top and a bottom sloping upward from the four sides of a square central area, grates in the sloping sides, means for delivering air for combustion directly to these grates, means for delivering

the material to be burnt into the upper end of the cylindrical chamber, means for separating the smaller from the larger material during such delivery, means adjacent the lower part of the chamber for delivering the furnace gases therefrom, a horizontally disposed cylindrical combustion chamber into which the furnace gases are de-



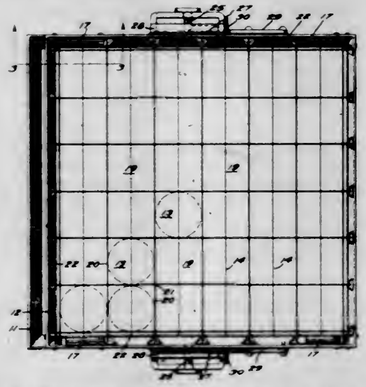
livered, said combustion chamber secured to the burner chamber, means for supporting the other end of the combustion chamber and providing for endwise expansion from the burner chamber, a water-jacketed passage connecting the outer end of the combustion chamber to the smoke-stack, and means in this jacket for delivering a spray of water across its area.

1,509,476. COLLAR FASTENER AND METHOD OF MANUFACTURING THE SAME. JOHN A. JUMER, Two Harbors, Minn. Filed Jan. 16, 1924. Serial No. 686,678. 2 Claims. (Cl. 24—101.)



1. A method of producing an article of manufacture of the class described consisting in forming a substantially rectangular blank from sheet material, then cutting one edge of the blank to provide a bay with a central tongue and narrow fingers, and lastly bending the fingers and tongue in opposite directions and spacing them from the plane of the blank.

1,509,477. EGG CARRIER. MORRIS KASSER, San Francisco, Calif. Filed Feb. 7, 1923. Serial No. 617,435. 14 Claims. (Cl. 294—87.)

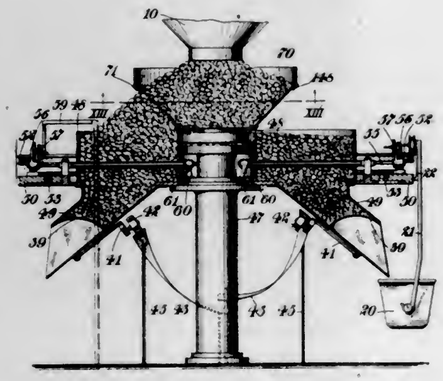


1. An egg carrier comprising a pair of relatively movable frames having apertures extending through the frames, and means for moving the frames to aline the apertures.

1,509,478. PLASTIC COMPOSITION. CHARLES E. KRAUS, Brooklyn, N. Y. Filed Jan. 21, 1921. Serial No. 438,997. 32 Claims. (Cl. 106—10.)

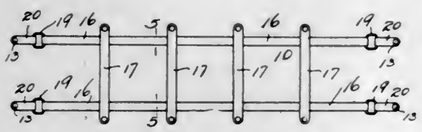
21. A refractory material containing a small quantity of bentonite.

1,509,479. ROPEWAY BUCKET CONVEYER SYSTEM. HENRY OTTO, Walthamstow, London, England. Filed Apr. 10, 1922. Serial No. 551,152. 19 Claims. (Cl. 214—42.)



1. In a ropeway bucket conveyer system, the combination with an automatic bucket-charging device of automatic means for coupling it to a bucket at one point of its travel, means for causing the bucket-charging device to charge the bucket while moving circularly with it, automatic means for disengaging the bucket from the bucket-charging device at a later point in its travel and means for returning the bucket-charging device to its initial position by moving it in a single direction in the path in the form of a complete circle, to a portion only of which the path of the bucket corresponds.

1,509,480. AUTOMOBILE HAT CARRIER. JOSEPH WALTER PARKS, Altoona, Pa. Filed Sept. 21, 1922. Serial No. 589,611. 1 Claim. (Cl. 45—13.)



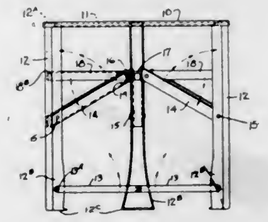
A hat and small luggage carrier for auto tops comprising supporting tabs adapted to be attached to the underside of said top and including a ring portion, a pair of main straps of loop formation and including buckles for adjusting the length of the same, said straps engaging in the ring portions of the tabs, and transverse members having their ends slidably engaging the main straps whereby they may be shifted into article supporting position.

1,509,481. NONGLARE STRUCTURE. EDWARD I. PETOW, Hyannis, Mass., assignor of one-half to New England Gluss Works, Providence, R. I., a Partnership composed of Albert Weiner, Isaac L. Rice, and Alexander Weiner. Filed Oct. 4, 1923. Serial No. 666,623. 3 Claims. (Cl. 91—68.)



1. A non-glare structure comprising a transparent sheet and a film associated therewith and including essence d'orient.

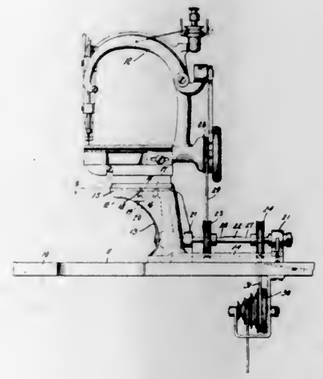
1,509,482. COLLAPSIBLE FURNITURE. JOSEPH POLIVKA, Chicago, Ill. Filed Jan. 20, 1922. Serial No. 530,534. 2 Claims. (Cl. 155—151.)



1. An article of the kind described, comprising a flexible member forming substantially an equilateral triangle, a supporting leg of channel cross-section for each corner of said member, a brace of channel cross-section pivoted intermediate each of said legs and inclined upwardly toward its upper pivotal end, a member forming a common pivotal support for said upper ends of said braces, and struts extending from and pivoted only at said common pivotal support and having a square abutment with said leg, said struts and braces being relatively fixed and pivotally mounted to said common pivotal support and movable with it and adapted when in folded position to lie within said channelled legs.

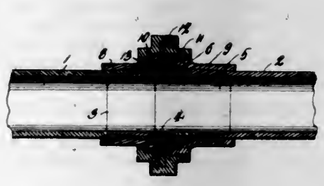
1,509,483. SEWING-MACHINE SUPPORTING AND DRIVING DEVICE. ANTON POPPER and LEOPOLD ADELHOFER, New York, N. Y. Filed July 16, 1921. Serial No. 485,158. 1 Claim. (Cl. 74—21.)

The combination with a work table, of a support thereon comprising a base and a bed rising from said base laterally projecting therefrom, said bed being provided with a plurality of holes arranged in a row, a sewing machine head on said bed including a driven pulley, a lug projecting down from the base of said sewing machine head into one of said holes, a screw-threaded bolt on said sewing machine head extending through another one of said holes, whereby the position of said sewing machine head on said bed may be varied, a counter-shaft rotatably mounted on said support above its base, a pulley on said counter-shaft in alignment with said driven pulley, a belt running over said pulleys, a second pulley on said counter-shaft, a power transmitter including a pulley depending from the underface of said table, a belt running over the second pulley on the counter-shaft and the pulley on said transmitter, the shaft of said driven pulley and the shaft of said power trans-



mitter pulley extending in parallel relation to said counter-shaft, both pulleys on said counter-shaft being adjustable longitudinally thereon.

1,509,484. COUPLING. EVAN POWELL, New York, N. Y. Filed Dec. 9, 1922. Serial No. 605,879. 1 Claim. (Cl. 285—86.)

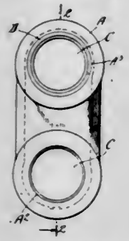


In a coupling of the class described, a pair of inner sleeves capable of partially telescoping in relation to each other, a bead provided exteriorly on the end of the outer one of the sleeves, a second bead provided exteriorly a distance from the end of the other sleeve so as to leave a space between the beads when the sleeves are engaged with each other, two sections of pipe formed of malleable material, one section over each sleeve, a pair of outer sleeves capable of being disposed over the section of pipe on the inner sleeves for holding said sections of pipe over the inner sleeves with their ends between the beads, the interior of said outer sleeve being flared adjacent their meeting ends, exterior flanges provided on the meeting ends of said outer sleeve and a coupling nut having a flange extending inwardly at one end for engagement with one of the flanges on the outer sleeve and interiorly threaded for engaging the other flange on the outer sleeve.

1,509,485. HANDHOLE. JOHN PRIMROSE, New York, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1923. Serial No. 611,815. 9 Claims. (Cl. 220—25.)

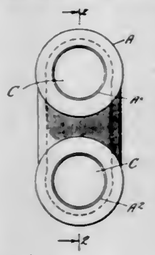
1. A hollow element formed with one or more hand hole openings and with a master opening through which

closing devices for said openings, too large to pass through the first mentioned openings may be inserted in



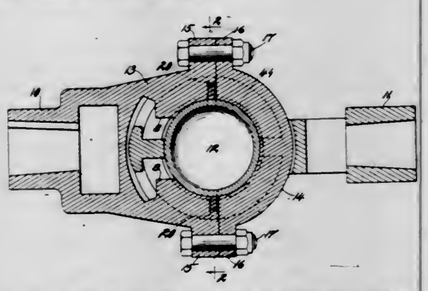
said element, and means secured to said element at the margin of said master opening to restrict said opening so that it may be closed by one of the inserted devices.

1,509,486. HANDHOLE. JOHN PRIMROSE, New York, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Jan. 29, 1923. Serial No. 615,637. 2 Claims. (Cl. 220—25.)



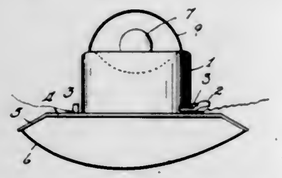
1. A hollow metallic element provided with one or more openings and internally removable closing devices for said openings, which are too large in diameter to pass through any of said openings and about which said hollow element is cast.

1,509,487. LUBRICANT FEED. CARROLL H. RICHARDS, Newton, Mass. Filed June 15, 1922. Serial No. 568,488. 10 Claims. (Cl. 64—102.)



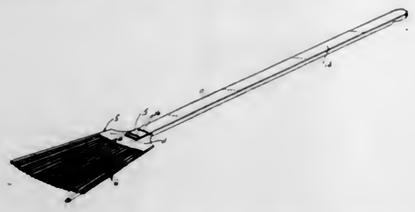
1. In combination with a rotatable member having a bearing surface and formed with a hollow interior to contain lubricant, the wall of the said container being formed with an aperture therethrough, a feed member inserted in said aperture, said feed member having a longitudinal interior passage which at the inner end thereof communicates with the hollow interior of the container, said feed member having a passage on the outer side thereof, one end of which communicates with the outer end of said interior passage, the other end of said outside passage communicating with the bearing surface.

1,509,488. ELECTRIC HANDLAMP. ALLEN J. RISHEL, Reading, Pa. Filed Jan. 23, 1923. Serial No. 614,376. 1 Claim. (Cl. 177—329.)



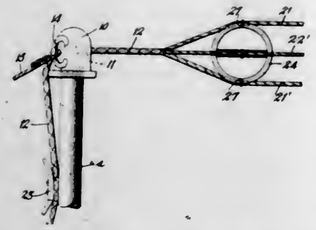
In a hand electric lamp, the combination of a hollow cylindrical casing provided with a depression in its top to form a reflector, a threaded opening in the top centrally of said depression to form a lamp socket, a lamp in the socket, a lamp guard engaging said top, a source of current, a circuit including said source of current and said lamp, a switch in said circuit housed within the casing, means for actuating said switch projecting through the wall of the casing and means mounting said casing upon the hand in such position as to permit ready actuation of the switch by the thumb of the hand.

1,509,489. INSECT SWATTER. AUGUST ROCHWITE, Hartford, Wis. Filed Jan. 14, 1922. Serial No. 529,320. Renewed Feb. 27, 1924. 2 Claims. (Cl. 43—137.)



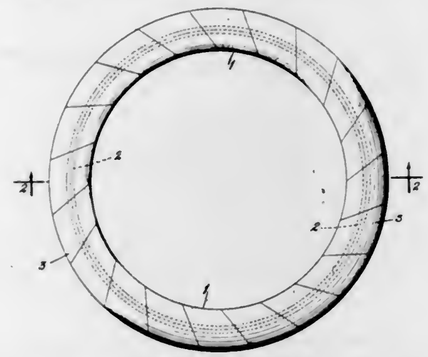
2. A swatter of the character described comprising a flexible body member having a multiple of slits extending longitudinally thereof and terminating adjacent one end of the body member, said slits dividing the central portion and one end of the body member into a multiple of lashes, the opposite end of said body member having a gore disposed at the central portion of said end, the walls of said gore being adapted to substantially engage each other when the body member is secured to a handle to cause the lashes to substantially radiate from said end portion of the body member.

1,509,490. NET AND SUPPORTS FOR RING TENNIS. FREDERICK L. SAWYER, Evanston, Ill. Filed May 22, 1922. Serial No. 562,685. 9 Claims. (Cl. 46—59.)



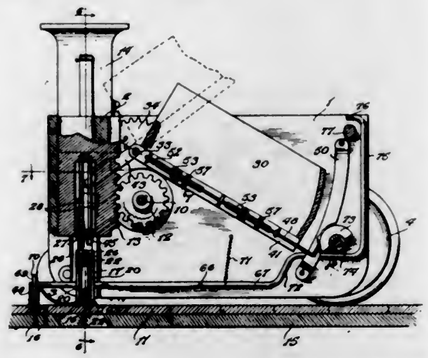
1. For the game of ring tennis a net, supports therefor, said net comprising strands, spreaders to separate said strands, said strands terminating at each end into a single rope to be attached to said supports.

1,509,491. RING FOR RING TENNIS. FREDERICK L. SAWYER, Evanston, Ill. Filed May 22, 1922. Serial No. 562,686. 3 Claims. (Cl. 46—65.)



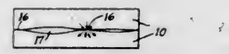
2. For the game of ring tennis, a ring, of a diameter not less than six inches or more than fourteen inches, tubular walls therefor of elastic material containing means within said walls to counteract distortion in the plane of the ring and means to counteract distortion in the plane at right angles to the plane of the ring.

1,509,492. FLOOR-NAILING MACHINE. CLARENCE SCHAUB, Indianapolis, Ind. Filed June 13, 1923. Serial No. 645,104. 7 Claims. (Cl. 1—1.)



1. In a floor-nailing machine, the combination of a housing, a nail support mounted in the housing, a stop mechanism carried by the housing and adapted to hold the same at a point where a nail is to be driven, a driver co-operating with the nail support, and means actuated by the driver for releasing the stop device to permit travel of the housing.

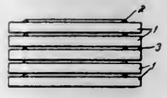
1,509,493. LIGHTNING ARRESTER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 11, 1922. Serial No. 535,810. 52 Claims. (Cl. 175—30.)



1. A lightning arrester comprising a plurality of plates of high resistance material disposed in contact with each other.

5. A lightning arrester comprising a plurality of plates of high resistance material disposed in contact with each other at a relatively small number of points and being separated by small gaps at the remainder of the contact surfaces.

1,509,494. PROTECTIVE DEVICE. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 16, 1922. Serial No. 536,910. 38 Claims. (Cl. 175—30.)

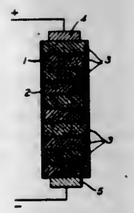


1. In a protective device, a substantially plane plate and an elevated portion thereon, the height thereof being between 1 and 16 mils.

9. A method of making plates which comprises forming a plate having an elevated portion thereon and then subjecting said elevated portion to a relatively high temperature.

37. A lightning arrester comprising a plurality of plates of high resistance material disposed in contact with each other at a relatively small number of points and being separated at the remainder of the contact surfaces, the contacting portions of one or more of the plates having higher specific resistance than the spacer portions of the contacting surfaces, the spacing and resistivity being such that the space current flow always takes the form of a glow discharge.

1,509,495. PLATE AND METHOD OF TREATING THE SAME. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 1, 1922. Serial No. 548,637. Renewed July 29, 1924. 18 Claims. (Cl. 219—51.)



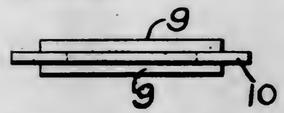
1. A plate of resistance material, the edges thereof having a higher resistance than the body.

1,509,496. PLATE AND METHOD OF TREATING THE SAME. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 1, 1922. Serial No. 548,638. Renewed Jan. 31, 1924. 28 Claims. (Cl. 219—51.)



1. A plane plate of high-resistance material having portions of the plane surface thereof of higher resistance than the body portion.

1,509,497. SPARK-GAP STRUCTURE. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 2, 1922. Serial No. 591,798. 24 Claims. (Cl. 175—30.)

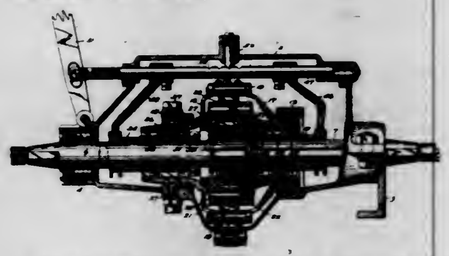


1. A gap structure for lightning arresters comprising a plurality of plates spaced apart and means therebetween to cause the gaps between adjacent plates to break down at about 350 to 450 volts, at least some of said plates being of relatively high resistance material.

13. A lightning arrester comprising a plurality of plates of relatively high resistance material, mica spacers therebetween, the thickness thereof being 3 to 5 mils, and a coating of india ink on said spacers.

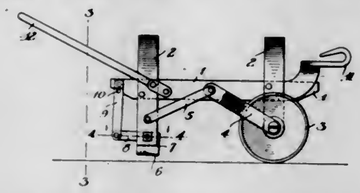
24. A lightning arrester comprising a pair of spaced bodies, at least one of which is of relatively high-resistance material, and means therebetween to cause the gap between said bodies to break down at approximately the voltage necessary to maintain the discharge.

1,509,498. TRANSMISSION MECHANISM. CHARLES E. STARR, Oakland, Calif., assignor to Perfecto Gear Differential Co., Seattle, Wash., a Corporation of Washington. Filed July 20, 1922. Serial No. 576,266. 5 Claims. (Cl. 74—34.)



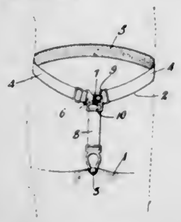
1. A transmission system comprising a driving and a driven shaft, a center gear fixed for rotation with said driving shaft, a ring gear journaled concentric with said driven shaft, a gear mounting journaled concentric with said driven shaft, a planet gear journaled on said mounting and in mesh with said ring and center gears, a fixed element, a sleeve slidably non-rotatably engaged with said fixed element and optionally engageable with said ring gear or said gear mounting, a sleeve slidably engaged with said driven shaft for rotation therewith and optionally engageable with either or both said gear mounting and ring gear, and means for moving said sleeves.

1,509,499. CELERY-CUTTING MACHINE. ARTHUR W. THOMPSON and HOMER W. THOMPSON, Irondequoit, N. Y. Filed Nov. 27, 1922. Serial No. 603,566. 3 Claims. (Cl. 55—18.)



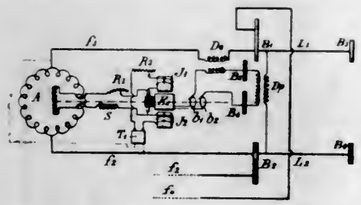
1. A celery cutting machine comprising a frame including longitudinal bars, transversely arranged forward and rear arch members attached to the bars and extending downwardly beneath the same, wheels mounted on the forward arch member at the bottom thereof, and a horizontally disposed knife mounted on the rear arch member at the bottom thereof.

1,509,500. GARTER. JOHN M. VAN HEUSEN, Boston, Mass. Filed Nov. 21, 1922. Serial No. 602,338. 3 Claims. (Cl. 241—6.)



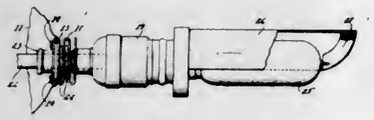
1. In a band garter, the combination of a leg encircling band of pile fabric presenting on its inner surface contact filaments downwardly and inwardly inclined to the leg or drawers leg of the wearer, a sock supporting strip, a permanent pivotal connection between one end of the said leg encircling band and the said sock supporting strip, means for pivotally attaching the free end of the leg encircling band to the said pivotal connection, and means for limiting the pivotal motion of the permanently attached end of the leg encircling band without hindering the free adjustment of said band to the leg.

1,509,501. APPARATUS FOR EXCITING ALTERNATORS. ANDRÉ BLONDEL, Paris, France. Filed Feb. 28, 1920. Serial No. 361,978. 13 Claims. (Cl. 171—141.)



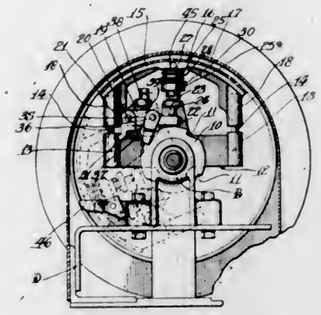
7. Means for reducing the hunting action of alternators coupled in parallel or the maximum current delivered when short-circuited, comprising means for transforming alternating current exchanged between the alternators and means for utilizing the transformed current to produce a diminution of the exciting current of an alternator.

1,509,502. LIGHTING DEVICE FOR SEWING MACHINES. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,029. 4 Claims. (Cl. 240—2.)



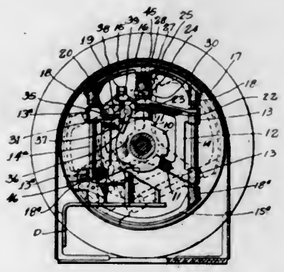
1. A sewing machine lighting device comprising a support adapted for attachment to a sewing machine goosenecked, a plaited spring secured at one end to said support, and an electric lamp-socket carried horizontally at the other end of said plaited spring closely adjacent said support.

1,509,503. GATHERING REEL. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 13, 1922. Serial No. 543,156. 3 Claims. (Cl. 192—16.)



1. In a device of the class described, a reel, a friction drum operatively connected with said reel, a frame rotatably mounted concentric with said drum, driving mechanism for said reel, friction means carried by and guided to move radially respective to said frame, ratchet mechanism affording operative connection between said frame and driving means in one direction of rotation of the latter, means on said frame actuated by the driving torque to move said friction means into driving engagement with the drum and means limiting the rotation of said frame in the direction opposite to that in which it is driven.

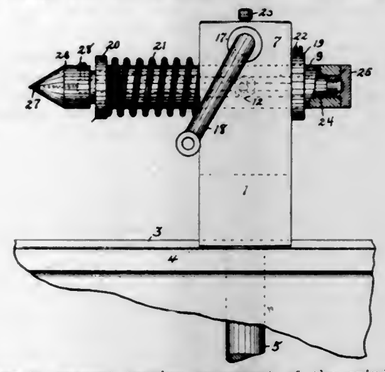
1,509,504. GATHERING REEL. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 13, 1923. Serial No. 680,335. 4 Claims. (Cl. 192—16.)



1. In a device of the class described, a reel, a friction drum, a frame concentrically mounted with said drum, a friction clutch mounted on one side of said frame, a part carried by said frame and movable radially for actuating the friction clutch, and means connected with said part and diametrically opposed thereto whereby the centrifugal force of said moving part is counterbalanced.

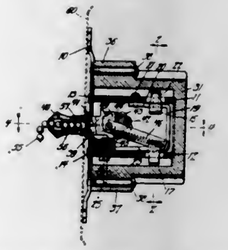
1,509,505. TAILSTOCK. OHMER KENNETH GARRARD, Fort Wayne, Ind. Filed June 27, 1922. Serial No. 571,162. 3 Claims. (Cl. 82—31.)

1. In a tail stock for machines of the class described, a bifurcated tail block having a pair of jaws; a longitudinally movable spindle extending between the jaws; a clamping means for said jaws; an adjustable stop on one end of the spindle acting against the tail block; an adjustable flange on the opposite end of the spindle; an open coil compression spring on the spindle between said flange and the adjacent face of the tail block;



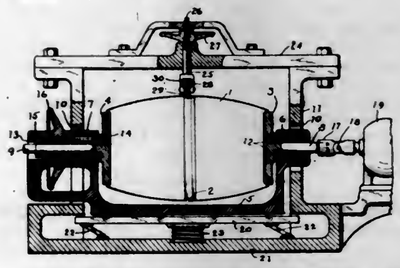
means to prevent turning movement of the spindle in the tail block; and a supporting center in the forward end of the spindle.

1,509,506. WALL SWITCH. DAVID D. GORDON, Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Filed Apr. 15, 1921. Serial No. 461,571. 9 Claims. (Cl. 200—68.)



1. In an electric wall switch, a mounting plate, an insulation frame plate permanently secured to said plate and extending therefrom, switch mechanism including a contact arm mounted upon said frame plate and having an operating lever and support extending through the face of the mounting plate, and a cooperating stationary contact carried by the frame plate.

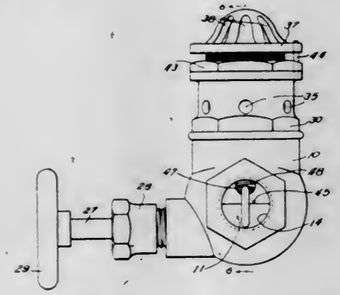
1,509,507. AUTOMATIC WELDING MACHINE. EMIL GRUENFELDT, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 6, 1921. Serial No. 467,391. 4 Claims. (Cl. 113—59.)



1. In a welding machine, a stationary welding device, a rotary support for an article having a circumferential seam to be welded, means for rotating the article to present successive portions of the seam to the welding de-

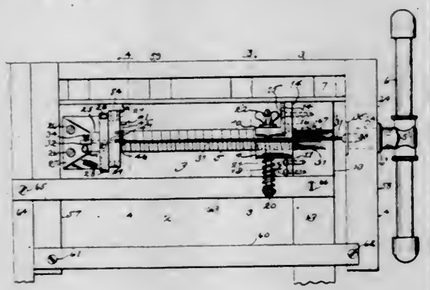
vice, said rotary support being mounted for vertical and horizontal movement, and stationary means adjacent said welding head to position said seam with respect to said welding device.

1,509,508. COMBINED CHECK, NEEDLE, AND SAFETY VALVE. ALBERT GRUNWALD and MARTIN BALCKER, Chicago, Ill., assignors to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 10, 1921. Serial No. 436,041. 11 Claims. (Cl. 277—54.)



1. As a unitary structure a valve casing having an inlet and an outlet, a partition between the inlet and outlet and having an opening therethrough, an automatically operating valve for controlling the said opening, there being an additional opening through the partition and forming communication between the said inlet and outlet, means adapted to be set to vary the size of the last recited opening, and an automatically actuated pressure relief valve connected with the casing.

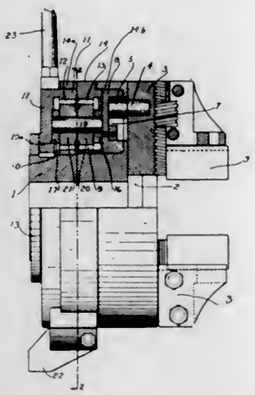
1,509,509. BENCH VISE. CARL L. GUSTAFSON, Chicago, Ill. Filed May 2, 1922. Serial No. 557,846. 5 Claims. (Cl. 81—36.)



1. The combination with a cabinet-maker's bench of movable screw and vise jaws, a bearing-bracket in which the inner end of said screw is journaled, a nut-member movable into and out of engagement with the threads of the screw, an interlock member keyed to said screw, a nut-releasing device also mounted in said bracket and in the movable jaw and arranged to be engaged by said interlock member to release the nut-member when the screw is turned in one direction.

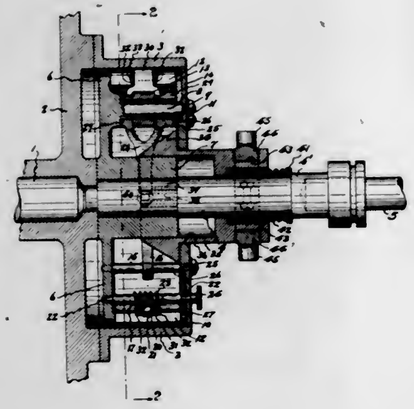
1,509,510. CHUCK. ELLSWORTH JULE HANNA, Chicago, Ill., assignor to Thomas Elevator Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1924. Serial No. 690,938. 2 Claims. (Cl. 279—114.)

1. In a chuck, a hub having grooves in one face, jaw member supported in said grooves, studs projecting from the rear face of said jaws, rollers mounted upon said studs, a cam gear rotatably mounted upon said hub and having a cam groove for receiving said rollers, a hub gear keyed upon said hub, adjacent said cam gear, and provided with a bearing, a rotatable ring gear supported upon said bearing, and provided with interior



teeth, a stationary gear having internal teeth secured adjacent the inner side of said ring gear, and a rotatable spider having planet gears mounted upon said hub, the planet gears meshing with the forementioned gears.

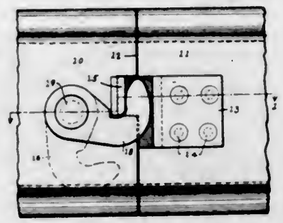
1,509,511. FRICTION CLUTCH. CONRAD HOERL, Newark, N. J. Filed May 25, 1923. Serial No. 641,323. 14 Claims. (Cl. 192—75.)



11. In a clutch mechanism, an eccentrically pivoted and expansible clutch member, a pivoted operating lever having a cam-portion, an adjustable thrust post threaded into and projecting from the free end of said clutch member to engage said cam-portion of said operating lever, means for rotating said thrust post to adjust the clutch member, and a clevis means interconnecting said thrust post with said cam portion of said operating lever.

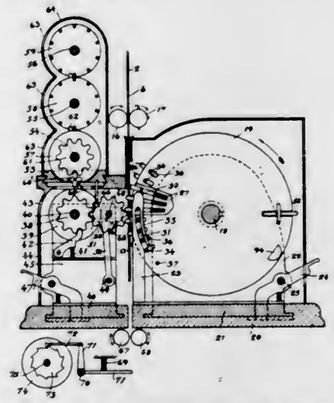
1,509,512. RIM. OTTO H. JONSKI, Cleveland, Ohio, assignor to The Standard Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 10, 1922. Serial No. 559,873. 8 Claims. (Cl. 301—30.)

1. In a transversely split rim, the combination of a tongue secured to one end of the rim and projecting across the split, the opposite end of the rim having a recess extending thereinto from the split and adapted to receive said tongue, and a member pivoted on said



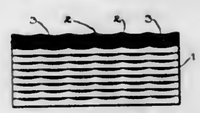
opposite end of the rim and adapted to interlock with said tongue to prevent circumferential separation of the rim ends.

1,509,513. MACHINE FOR SUMMING UP NUMERAL DATA. KARL EMIL LEONARD LIEDSTRAND, Stockholm, Sweden. Filed Apr. 7, 1920. Serial No. 372,005. 3 Claims. (Cl. 235—91.)



1. In a machine for summing up data represented by slots of different lengths and formed in cards for statistical or similar purposes, the combination of means for moving the cards successively through the machine, a number of movable members located at the path of the cards, means for introducing said members into the slots for an invariable distance while the cards are moved continuously past the members, and a registering device arranged to be shifted by the members for a number of steps corresponding to the respective lengths of the slots.

1,509,514. LIGHTNING ARRESTER. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1922. Serial No. 574,762. 11 Claims. (Cl. 175—30.)



1. A plate of high-resistance material comprising a substantially flat body portion and a plurality of ribs thereon, the distance between adjacent ribs being substantially less than the largest dimension of said plate, the resistance of said ribs being higher than that of the body portion.

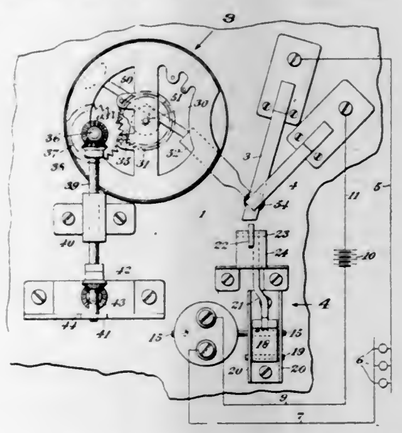
11. A space-current discharge device comprising at least one pair of electrode plates having a discharge gap therebetween, one of said plates carrying a plurality of ribs contacting with the other plate for spacing the same, the distance between said spacing ribs being substantially less than the largest dimension of said plates, the organization being such as to cause a glow discharge at voltages above a predetermined value and to permit no space-current discharge at voltages materially below said value.

1,509,515. LIGHTNING ARRESTER. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1922. Serial No. 574,763. 11 Claims. (Cl. 175—30.)



1. A lightning arrester comprising a plurality of plates of high-resistance material, elevated portions thereon to keep the major parts thereof separated and a thin spacer of insulating material therebetween.

1,509,516. TIME-CONTROLLED LIGHTING SYSTEM. GUSTAVE LUSSI, Philadelphia, Pa. Filed May 18, 1923. Serial No. 639,736. 9 Claims. (Cl. 161—1.)

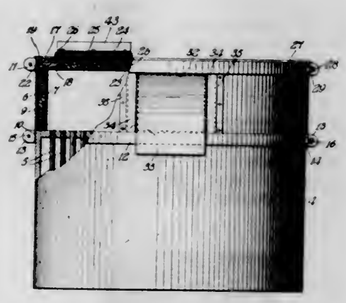


1. In a lighting system, the combination, with a single electric circuit having two gaps therein, of manually controllable means for closing one of said gaps, time measuring means, cooperating, selective, time limiting means, and means automatically actuated thereby to close the other of said gaps, the manually controllable means being operable to optionally keep the circuit closed or allow it to open.

1,509,517. DETACHABLE SMOKE HOOD. ROBERT G. MARR and GEORGE A. VEDDER, Port Richmond, N. Y. Filed Jan. 19, 1924. Serial No. 687,237. 14 Claims. (Cl. 110—1.)

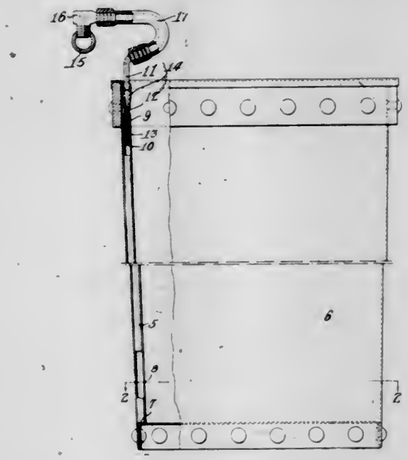
8. The combination with a vertical fire tube boiler and means for supporting it upon the chassis of an automobile, of a smoke hood secured to the upper end of said boiler and comprising outer and inner metallic

shells, and heat insulating material located between said shells, said hood having a lateral smoke outlet extending through said shells, a cover of substantially the area of the boiler head, formed hollow and filled with heat insulating material, the upper end of said hood and said



cover being provided the one with an annular flange to engage and fit the other, and an annular clamping member surrounding the engaging portions of the hood and cover for rigidly but detachably securing them together.

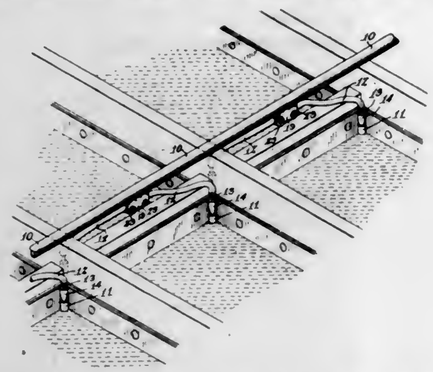
1,509,518. AIR PIPE FOR ICE CANS. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed May 17, 1921. Serial No. 470,439. 4 Claims. (Cl. 62—139.)



1. An ice can, in combination with a circulation tube therefor, permanently attached to the can, and an insert for the tube fitting within the upper end of the tube, having a smaller cross section of opening than the tube to reduce the air feed and keep large particles of foreign matter out of the main tube by this smaller cross section and at its upper end internally tapered to receive an air supply nozzle.

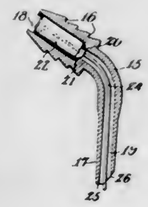
1,509,519. AIR CONNECTION FOR ICE CANS. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed Oct. 24, 1921. Serial No. 509,894. 2 Claims. (Cl. 62—139.)

1. In a circulation system for ice cans, an air lateral parallel with one of the ice can walls, cans located upon opposite sides of the lateral, air circulation pipes in said cans, a double valve connected beneath the lateral at a point intermediate the length of the ice can walls and having outlets from said valve extending generally in



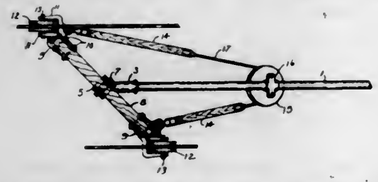
the direction of the extension of the lateral and flexible connections from the outlets to the pipes in opposite cans.

1,509,520. AIR VALVE AND NOZZLE. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed Nov. 16, 1921. Serial No. 515,650. 4 Claims. (Cl. 251—120.)



1. In a device for connecting air laterals and the air circulation pipes of ice making cans, the combination of a nozzle having a bore and a counterbore at the rear to provide a valve seat, a valve therein normally engaging the seat, there being a path free from contact from the perimeter of the valve to the opening surrounded by the valve seat when the valve is in closed position to permit a constant flow of air therethrough and a wire connected with the valve and extending through the nozzle for access from the front of the nozzle to unseat the valve and permit blowing out of the air through the valve.

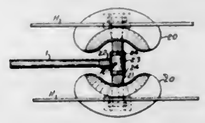
1,509,521. CURRENT-COLLECTING DEVICE. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,034. 22 Claims. (Cl. 191—57.)



6. A current collector for gathering current from adjacent conductors comprising a support member, a plurality of current collecting members each to engage a conductor, spaced from each other and spaced and insulated from the support, the distance between the collecting members being greater than the perpendicular distance between the conductors.

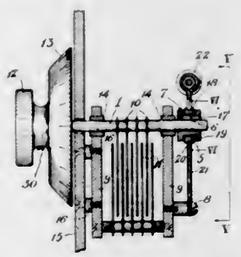
18. The combination with a trolley pole, of a cross-head pivotally supported thereon, two current collectors mounted adjacent to opposite ends of the cross-head, and a guard arm extending from each end of the cross-head to a point adjacent to the trolley pole.

1,509,522. CURRENT COLLECTOR. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 1, 1922. Serial No. 540,147. 12 Claims. (Cl. 191—57.)



1. A current collecting device comprising a support member, a head adapted to swing in a substantially vertical plane transverse of the longitudinal axis of the support member, a pair of current collecting members supported by the head and means to insulate the current collecting members from each other; each collecting member comprising a substantially horizontally disposed surface and an upstanding flange the outer surface being convex to a substantially vertical plane.

1,509,523. VERNIER. DAVID J. MONOSMITH, Spencer, Ohio, assignor to The Monosmith Brothers Company, Spencer, Ohio, a Corporation of Ohio. Filed May 19, 1924. Serial No. 714,261. 11 Claims. (Cl. 188—83.)

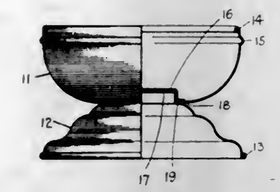


1. A vernier for the adjustment of manually-operated instruments, consisting of movable means for changing the instrument setting; means for indicating the amount of such change; a friction element for facilitating rough adjustments and providing resistance which is unyielding below a certain maximum applied force and is substantially constant for all speeds of movement of the changing means; and a viscous liquid friction element for facilitating fine adjustments and offering only a very slight resistance to slow easy movements of the changing means and a rapidly increasing resistance as the speed is accelerated.

1,509,524. CONTAINER. CHARLES C. MORRISON, New York, N. Y., assignor, by direct and mesne assignments, to Passaic Metal Ware Co., Passaic, N. J., a Corporation of New Jersey. Filed Feb. 15, 1923. Serial No. 619,080. 16 Claims. (Cl. 65—59.)

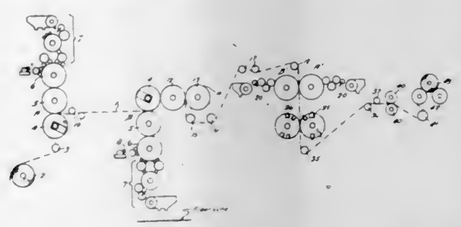
1. A container comprising a receptacle portion and a cover portion of resilient material, engaging means on said cover portion adapted for frictional engagement with the receptacle to close the latter, one of said portions

having a recess and the other a projection adapted to engage said recess, said last-mentioned engaging means on said cover portion being spaced from said first-mentioned



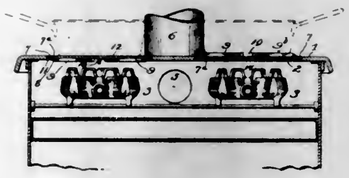
engaging means, whereby said cover portion may serve as a stand for said receptacle portion when uncovered, and be frictionally connected thereto forming a unitary structure.

1,509,525. METHOD OF AND APPARATUS FOR PRODUCING MANIFOLD CONTINUOUS FORMS. HERBERT E. MURRAY, East Cleveland, and GEORGE A. MAYER, Lakewood, Ohio, assignors to The Manifold Printing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 7, 1921. Serial No. 513,326. 8 Claims. (Cl. 101—221.)



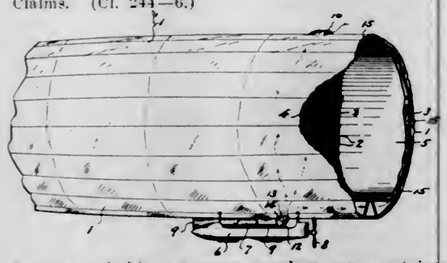
1. In printing apparatus of the character set forth, the combination of a pair of printing couples wherein the arrangement of the constituents of one couple is the reverse of that of the other so that a web of paper directed therethrough will be printed by the respective couples on opposite sides thereof, and a pair of printing cylinders between which the web is passed, each cylinder consisting of printing and impression elements, the printing elements of one cylinder cooperating with the impression elements of the other so that said cylinders print on opposite sides of the web.

1,509,526. GAS STOVE. HENRY W. O'DOWD, Jersey City, N. J., assignor to William M. Crane Company, a Corporation of New York. Filed Dec. 1, 1921. Serial No. 519,276. 4 Claims. (Cl. 126—214.)



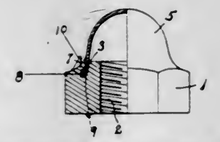
1. A utensil supporting grid adapted to seat in reverse positions in a pot opening in a gas stove above the heating burner therein, said grid comprising a peripheral flange and supporting members extending inwardly from the flange and offset axially relative to the face of the flange to produce a utensil receiving and supporting cavity in the grid.

1,509,527. AIRSHIP. HUMPHREY F. PARKER, New York, N. Y. Filed June 24, 1921. Serial No. 479,997. 11 Claims. (Cl. 244—6.)



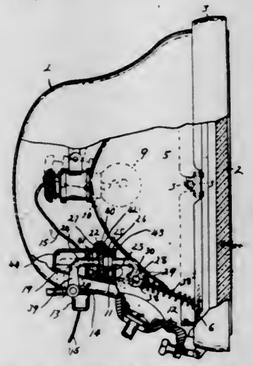
6. In an airship, an outer envelope, gas containers within and spaced apart from said outer envelope, heat exchanging means for transferring waste heat from the airship motors to a stream of air, and a conduit having an adjustable end adapted to be positioned to receive the heated air from said heat exchange means or cold air from the atmosphere, said conduit having a delivery end communicating with the space intermediate said gas containers and said outer envelope.

1,509,528. CAP NUT. CHARLES F. RICHARDS, Detroit, Mich., assignor of one-half to Frank G. Van Dyke, Detroit, Mich. Filed Aug. 12, 1922. Serial No. 581,340. 1 Claim. (Cl. 85—35.)



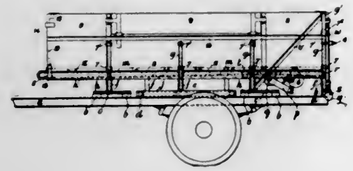
A cap-nut comprising a body and a cup-shaped cap, the cap having a rib at its edge the nut being formed with a circular groove in one end to receive the end of the cap, the outer wall of said groove being bent inward to lie against said ribbed end, the outer surfaces of the cap and of said wall being substantially continuous the rib on the cap having a substantially radial outer surface and said outer wall having a substantially radial shoulder contacting with the rib.

1,509,529. HEADLIGHT ATTACHMENT. ERNEST O. SEITZ, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 28, 1922. Serial No. 584,675. 8 Claims. (Cl. 240—41.)



1. The combination with a lamp casing, of a reflector in said casing, an arm operably connected to said reflector for moving the same, a housing secured to said casing, and means in said housing surrounding said arm for resisting movement of said arm.

1,509,530. TRANSPORT LORRY AND OTHER VEHICLE. ARTHUR FORBES SHIRREFF, Bridgwater, England. Filed Oct. 25, 1922. Serial No. 596,889. 6 Claims. (Cl. 208—27.)



1. A transport vehicle comprising a understructure, rollers on said understructure constituting runways, a superstructure longitudinally movable over said rollers, and a bottom to said superstructure composed of independent swingable members whose operable positions are controlled by said rollers, and means for moving said superstructure.

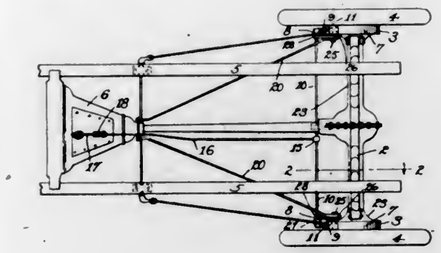
1,509,531. GARMENT FASTENER AND THE LIKE. EDGAR JOHN SHERRIFF, Bristol, England. Filed July 18, 1923. Serial No. 652,315. 2 Claims. (Cl. 24—222.)



1. A fastener for garments and the like, comprising unjointed flexible strips adapted to be superposed, means for securely holding the said strips at or near at least one end against undesirable relative to and fro motion, when the strips have been fastened together to close the fastener, and means disposed between the ends for holding the said strips against relative logitudinal and transverse motion when the fastener is closed.

1,509,532. AUTO BRAKE. OLIVER E. STEWART, Brooklyn, N. Y. Filed Aug. 29, 1923. Serial No. 659,948. 2 Claims. (Cl. 188—77.)

1. In an auto brake device, the combination of a brake drum on each rear wheel, of a brake band on each drum, angular brackets one on each side, a rock shaft journalled in said brackets, an angle lever fast on said shaft at each end, one arm of said lever engaging one end of the brake band for direct pull thereon tangent to the arm, a bolt connected to the remaining end of said brake band and extending upwardly therefrom, the other arm of the angle lever projecting from the axis substantially at a right angle to said first arm and connected with the bolt

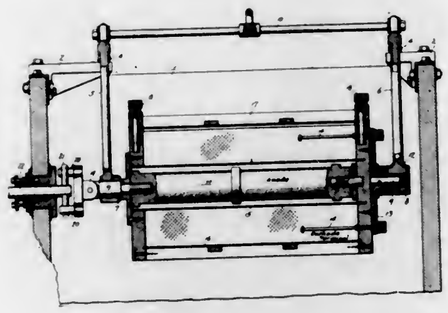


at its upper end and in alinement therewith, an arm fast to the rock shaft, and a pull rod connecting said arm with the brake lever on the car control portion.

1,509,533. METHOD FOR SEASONING WOOD. ROLF THIELEN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Oct. 27, 1923. Serial No. 671,221. 1 Claim. (Cl. 34—24.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

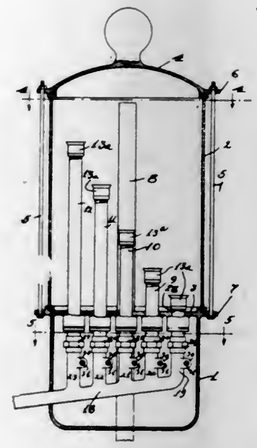
The herein described method for seasoning wood, consisting of subjecting said wood to an atmosphere whose temperature and humidity are maintained at high levels and low levels alternately: the temperature and humidity at the respective levels, the length of time during which said temperature and humidity are maintained at each level, and the rate of change of said temperature and humidity from one level to another being regulated in accordance with a predetermined time schedule.

1,509,534. ELECTROPLATING MACHINE. GUERIN TODD, Millburn, N. J., assignor to The Hanson & Van Winkle Company, Millburn, N. J., a Corporation of New Jersey. Filed June 26, 1923. Serial No. 647,857. 5 Claims. (Cl. 204—11.)



1. An electroplating machine, comprising in combination, a vat, a rotatable cylindrical container suspended in the vat, said container having heads and an interior and an exterior perforated drum, an anode bar within the inner drum and cathode terminals supported entirely from the head and extending into the annular space betwen the drums free of contact with the perforated drums, and also extending through the head and a conducting plate outside the head to which said cathode terminals are secured.

1,509,535. APPARATUS FOR DISPENSING FLUIDS. AUSTIN L. WERTZ, Dubuque, Iowa. Filed July 8, 1921. Serial No. 483,164. 1 Claim. (Cl. 221—100.)



In a fluid dispenser, a fluid container, a plurality of stand pipes of different elevations in said container, a common delivery pipe connected to said stand pipe, a valve in the top of each stand pipe, operating mechanism for each valve including a horizontal shaft extending into each stand pipe and means for separately rotating each shaft for elevating said valves, said operating mechanism holding said valves in elevated position.

1,509,536. HAIR CURLER. RAMON O. WILLIAMS, Brooklyn, N. Y. Filed Mar. 14, 1924. Serial No. 699,189. 1 Claim. (Cl. 132—42.)

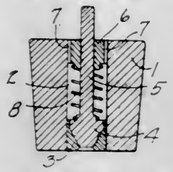


A hair curling or waving device comprising a fork composed of stiff material and a pair of tubes composed of soft material having a web connecting adjacent ends thereof, said tubes serving to removably ensheath the fork tines.

1,509,537. AUTOMATIC BUNG FOR BARRELS. FREDERICK WOERTHER, Salem, Ohio. Filed Sept. 7, 1923. Serial No. 661,389. 1 Claim. (Cl. 217—99.)

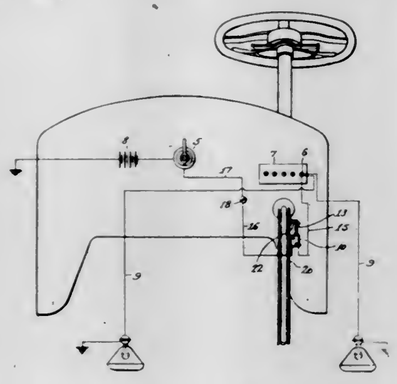
A device of the kind described, comprising a tapered bung having a central bore therethrough; a valve seat fitted into the inner end of the bore and a valve stem

sleeve at the outer end, the said valve stem sleeve having notches cut at the sides thereof; a valve seated to the valve seat and having a stem extended loosely out



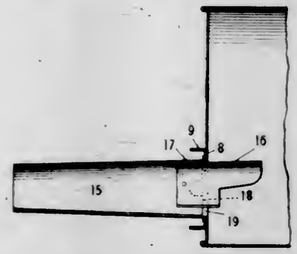
through the valve stem sleeve; and an expansive coil spring set over the valve stem and braced between the said valve and the said sleeve.

1,509,538. LIGHT DIMMER FOR MOTOR VEHICLES. BENJAMIN F. BAILEY, Jr., Lucedale, Miss., assignor of one-third to Benjamin I. Trotter, Lucedale, Miss. Filed Jan. 20, 1922. Serial No. 530,597. 4 Claims. (Cl. 171—97.)



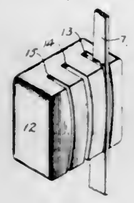
1. A motor vehicle having a spark-control rod and a finger-piece on the steering-head for manipulating it, a lighting system for the headlights of the vehicle, a dimmer-switch in the supply circuit thereof, and means whereby this switch may be opened and closed by a rotative operation of said spark-control rod without interfering with the regular use of said spark-control rod or restricting its range of movement.

1,509,539. FUNNEL FOR POWDER KEGS. ARTHUR H. BASSLER, Belleville, Ill. Filed Sept. 26, 1923. Serial No. 664,835. 5 Claims. (Cl. 221—61.)



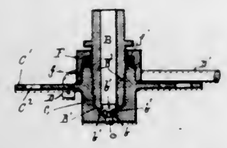
1. In a device of the class described, the combination with a tubular member forming a non-elastic pouring spout, of a spring retaining member carried thereby and yielding to make frictional contact with the edges of pouring openings of substantially different diameters, said retaining member also forming a deflector for the contents of the keg.

1,509,540. PHONOGRAPH ATTACHMENT. THOMAS H. CAMPBELL, Temple, Tex. Filed June 20, 1922. Serial No. 569,687. 1 Claim. (Cl. 274—27.)



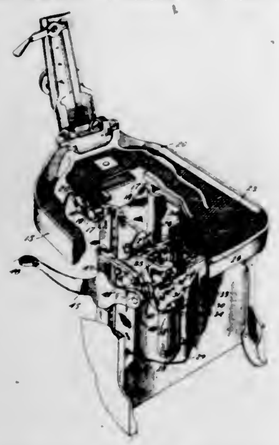
As an article of manufacture, a tone modifier to be applied to the needle bar of a phonograph sound box comprising a block of substantially rigid material having a groove therein of tortuous form.

1,509,541. FLUID-FUEL BURNER. ALMUS T. CARNES, Kansas City, Mo. Filed Dec. 8, 1923. Serial No. 679,415. 1 Claim. (Cl. 158—53.)



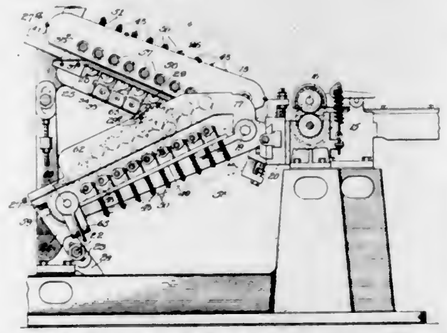
In a fluid fuel burner, a jet tube, a conical point on said tube having a jet opening in the apex of said point, and a plurality of jet openings in the conical surface thereof, an internally screw threaded thimble having a conically shaped shoulder therein coinciding with the conical point on said tube and adapted to control the jet openings in the conical surface of said tube, means to rotate said thimble, external threads on said thimble, a gasket on said tube and seated on the upper end of said thimble and an internally threaded stuffing-box ring screwed on said thimble adapted to compress said gasket.

1,509,542. DENTAL CHAIR. FRANK E. CASE, Canton, Ohio, assignor to The Harvard Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 30, 1922. Serial No. 585,315. 7 Claims. (Cl. 155—26.)



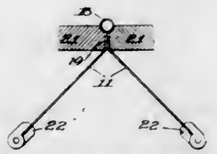
1. A dental chair or the like including a pedestal, a tilting seat mounted thereon, an abutment in the pedestal, a plurality of strips depending from the seat, plates slidably supported by the pedestal between the several strips, an adjustable clamping block slidably supported by the pedestal, and means for clamping the plates and strips between the block and the abutment.

1,509,543. MACHINE FOR EXPANDING METAL. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, a Corporation of Ohio. Filed May 2, 1923. Serial No. 636,092. 11 Claims. (Cl. 164—66.)



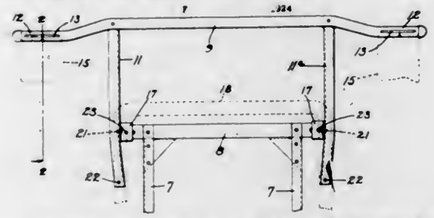
1. In a machine for expanding previously slitted metal blanks, a bed or way, means for feeding the unexpanded portion of a blank along said bed or way, means for expanding the metal blank by deflection of the strands thereof, and retaining means adapted to hold said blank in engagement with the bed or way, said retaining means being adapted to travel along said bed or way, with the blank.

1,509,544. METHOD OF FORMING EXPANDED-METAL CORNER BEADS. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, a Corporation of Ohio. Filed Aug. 10, 1923. Serial No. 656,689. 3 Claims. (Cl. 113—116.)



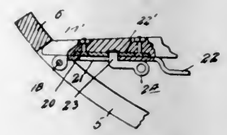
1. The method of forming an expanded metal corner bead, which comprises, in succession, forming a sheet with a central groove, slitting the metal at the sides of said groove, partly closing the inner edges of said central groove, shaping the central groove portion and the adjacent unslitted metal to form a substantially circular bead and a flattened stem portion, and expanding the metal of the slitted sides in its proper angular relation.

1,509,545. ADJUSTABLE FENDER BRACE. PETER C. DAHL, Wahpeton, N. Dak. Filed Mar. 22, 1924. Serial No. 701,121. 8 Claims. (Cl. 293—55.)



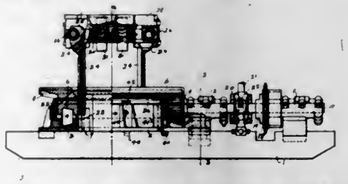
1. The combination with a car frame and wheel fenders, of a bar having means for connection with the adjacent ends of opposite fenders, and supports for said bar on said frame, and adapted for adjustment of said bar to fit fenders of different sizes.

1,509,546. PUSH SLEIGH. OLAF DALE, Portland, Oreg. Filed June 2, 1923. Serial No. 642,938. 1 Claim. (Cl. 280—23.)



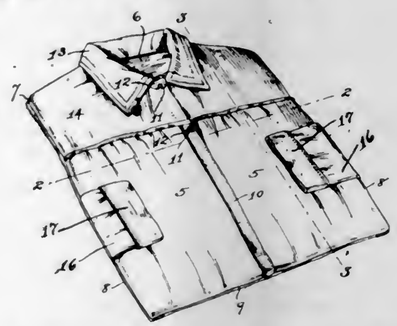
In a sleigh having a frame including a cross bar and seat bars mounted for movement transversely of the cross bar, means for detachably connecting the seat bars with the cross bar comprising a blade pivotally mounted upon the cross bar and provided at its intermediate portion with a key hole slot, said blade having an offset free end portion, the blade being mounted for swinging movement transversely of the cross bar, and a pin pivotally mounted at the under side of the seat bar, said pin having angularly disposed end portions, and provided at its free end with an enlarged head, the free end portion of the said pin adapted to pass through the key hole slot in the plate, and the axis of turning movement of the pin being disposed approximately at a right angle to the length of the seat bar.

1,509,547. ROTARY. HARRY R. DECKER, Houston, Tex. Filed Sept. 18, 1920. Serial No. 411,270. 7 Claims. (Cl. 255—23.)



1. A rotary, including a base plate, a rotary table mounted thereon and formed with a beveled gear face and an annular groove, a driving pinion in mesh with said gear face, an anchor for holding the table on the base plate, said anchor consisting of an annular upstanding flange integral with the base plate, and closely surrounding the rotary table; an arcuate rib fitted into said groove and anchor posts formed integrally with the rib and secured to the flange on opposite sides of said pinion.

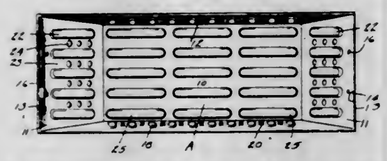
1,509,548. DISPLAY SAMPLE. JESSE S. FLEISCHER, Baltimore, Md., assignor to Liberty Manufacturing Co., a Corporation of Maryland. Filed Dec. 30, 1922. Serial No. 609,897. 3 Claims. (Cl. 35—17.)



1. A display garment sample having a fabric front and a fabric back,—the fabric front having shoulder and neck portions and the fabric back having shoulder and neck portions whereby the two portions will embody all the neck and shoulder features of a garment,—said front and back fabric portions being permanently secured together

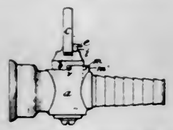
along their upper edges from the neck-opening to the opposite side-edges and said two portions also being permanently secured together along the opposite sides and across the bottom edges thereof whereby the sample of two fabric thicknesses will display both the upper front and upper back portions of what appears to be a folded skirted garment.

1,509,549. VENTILATED CONTAINER. ANSEL FREELAND, Nevada, Iowa. Filed Aug. 23, 1923. Serial No. 658,920. 4 Claims. (Cl. 220—1.)



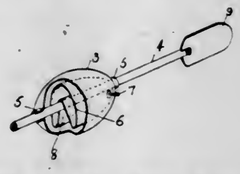
4. A sheet metal container comprising a bottom, two end walls and two side walls, the side walls and the end walls having spaced depressions formed therein for forming spaced inwardly extending ribs terminating short of the top and bottom edges of said walls and arranged in a vertical plane, the material between said ribs having openings therein and said bottom having upstruck ribs therein.

1,509,550. LOCKABLE GAS COCK. ANTONIO GALLO, Peekskill, N. Y. Filed Jan. 22, 1921. Serial No. 439,101. 1 Claim. (Cl. 251—164.)



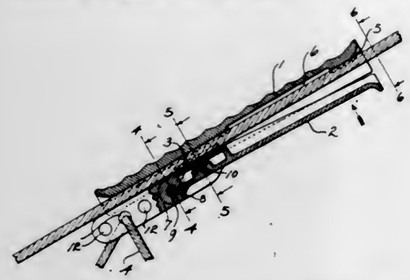
In a lockable gas cock the combination with the plug of the cock of a horizontal chamber in the plug separate from the gas passage through the plug, an inner portion of the chamber larger than the outlet from the chamber, a bolt within the chamber fitting the larger and the smaller diameters of the chamber, the bolt having a lateral movement within the chamber the smaller outer end of the bolt extending beyond the chamber, a recess in the gas-cock body adapted to receive the small outer end of the bolt, a spring within the larger chamber to push the bolt outwardly, the larger part of the bolt slotted lengthwise, a beveled face within the slot, and a vertical recess in the plug intersecting the bolt slot, a push plug in said recess, the inner end of the push plug flattened to pass through the slot in the bolt, a portion of the flattened plug reduced in width and forming a bevel surface to engage with the bevel in the slot in said bolt, and a retractile spring under the push-plug, all as herein set forth.

1,509,551. COMBINED FLOAT AND PADDLE FOR USE WHILE BATHING. ANDREW GIBSON, Turramurra, New South Wales, Australia. Filed Apr. 5, 1924. Serial No. 704,464. 1 Claim. (Cl. 9—21.)



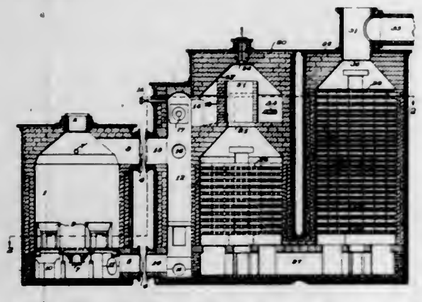
A combined float and paddle device comprising a shaft with blades at each end a centrally positioned float consisting of an outer covering of fabric material containing an inflatable bag adapted to envelope the shaft.

1,509,552. EMERGENCY SLIDE. GEORGE W. HARDY, Los Angeles, Calif. Filed Aug. 16, 1922. Serial No. 582,280. 2 Claims. (Cl. 227—25.)



2. An emergency slide adapted for use on an inclined guy wire, comprising a member grooved to slidingly engage said wire, a lever pivotally secured to said member, a braking shoe pivotally mounted on one arm of said lever, said arm extending adjacent the grooved member with the braking shoe positioned to be brought into engagement with said guy wire, the second arm of said lever providing an attachment position for a supporting member, such attachment position being in such position that the weight of an operator may be applied to actuate said braking shoe, said first-named arm and sliding member being shaped to permit the lever and grooved member to be simultaneously gripped and forced together by the operator to control the sliding speed.

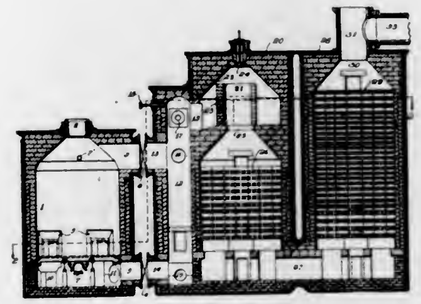
1,509,553. PROCESS FOR MANUFACTURING WATER GAS. THOMAS F. HOLDEN, Washington, D. C., assignor of one-third to Robert D. Weaver, Washington, D. C., and one-third to Calvin Vos, New York, N. Y. Filed Oct. 17, 1922. Serial No. 595,112. 9 Claims. (Cl. 48—205.)



6. The process of making water gas which consists in making a gas in a generator by a succession of up and down steam blasts, passing the water gas in a single stream into an economizing chamber, thence dividing said water gas into a plurality of streams by contact with and around the highly heated walls of a primary mixing chamber, thence into said chamber and there enriching the gas, thence into and through a secondary mixing chamber, and thence into and through a superheater.

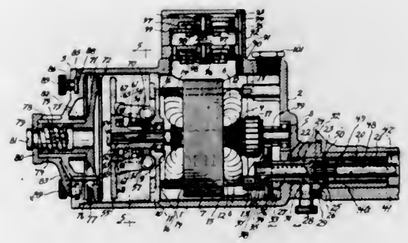
1,509,554. APPARATUS FOR THE MANUFACTURE OF WATER GAS. THOMAS F. HOLDEN, Washington, D. C., assignor of one-third to Robert D. Weaver, Washington, D. C., and one-third to Calvin Vos, New York, N. Y. Original application filed Oct. 17, 1922, Serial No. 595,112. Divided and this application filed Apr. 3, 1923. Serial No. 629,619. 11 Claims. (Cl. 48—80.)

1. An apparatus for making water gas, comprising a generator, a carbureter connected therewith, an economizing chamber formed at one side of said carbureter and connected to the generator, said chamber having a lateral outlet passage connected to a primary fixing



chamber formed at the top portion of the carbureter, and a secondary mixing chamber within the carbureter having checker-work disposed therein.

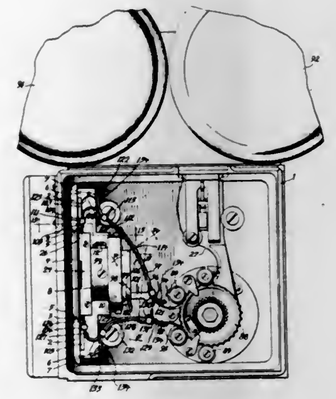
1,509,555. ELECTRIC-MOTOR DRIVE AND CONTROL MEANS FOR MOTION-PICTURE MACHINES AND THE LIKE. ALBERT S. HOWELL, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed June 3, 1920. Serial No. 386,395. 27 Claims. (Cl. 88—17.)



1. A motor drive for motion picture machines including an electric motor, a driving connection therefrom adapted to drive a motion picture mechanism disposed at one end of the motor and including a shaft offset from the motor axis, and a speed governor adapted to control the speed of the motor disposed at the other end of the motor in alinement therewith.

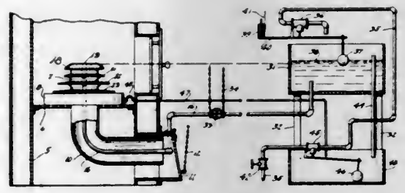
1,509,556. INTERMITTENT-FEED MECHANISM. ALBERT S. HOWELL, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1921. Serial No. 499,294. 24 Claims. (Cl. 88—18.4.)

1. An intermittent feed mechanism including a stationary plate having two parallel slots therethrough, means forming a guide therewith including a stationary member facing a face of said plate opposite said slots, a pair of ratchet bars guided for longitudinal movement in respective slots and adapted for movement normal to said plate, a member mounted for reciprocation parallel with said slots opposite the other face of said plate and having oppositely facing surfaces spaced longitudinally of said slots and oppositely engaging said bars to cause the same to reciprocate therewith and adapted to permit movement of the bars normal to said plate,



springs engaging said reciprocating member and respective bars for yieldably urging said bars toward said stationary member, and a rotating device for effecting reciprocation of said reciprocating member.

1,509,557. FLUID-FUEL BURNER AND SUPPLY APPARATUS. ROSCOE V. JEFFERSON, Chicago, Ill. Filed Oct. 25, 1922. Serial No. 596,783. 4 Claims. (Cl. 158—36.)

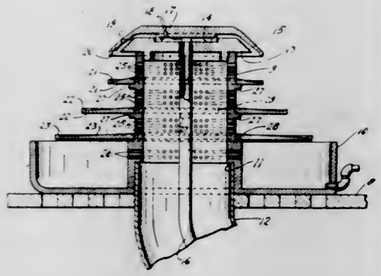


1. An apparatus of the kind described comprising a fluid fuel burner arranged to be mounted on the grate of a furnace, a fuel reservoir, a valve controlled conduit connecting said reservoir with said burner, a supply conduit leading into said reservoir, a valve in said supply conduit controlled by a float in said reservoir, an emergency tank connected by an overflow conduit with said reservoir, a safety valve in said supply conduit, a float in said emergency tank for controlling said safety valve, and an overflow conduit connecting said burner with said emergency tank.

1,509,558. FLUID-FUEL BURNER. ROSCOE V. JEFFERSON, Chicago, Ill. Original application filed Oct. 25, 1922, Serial No. 596,783. Divided and this application filed Nov. 5, 1923. Serial No. 672,705. 7 Claims. (Cl. 158—91.)

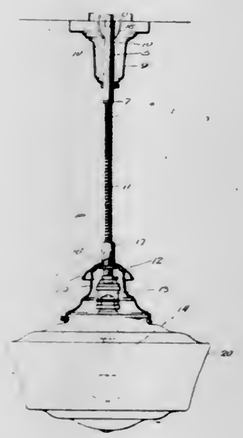
7. A liquid fuel burner comprising a cylindrical air distributing member arranged to be mounted on a furnace grate, a catch pan formed integral around the lower part of said member, an air pipe mounted within said member and being adapted to extend to ar[illegible] opening

on said furnace, openings around said member within said pan, a top plate removably mounted on and extending outwardly from the upper end of said member, a cap removably mounted over said top plate and curved downward over the edge thereof, a fuel supply pipe



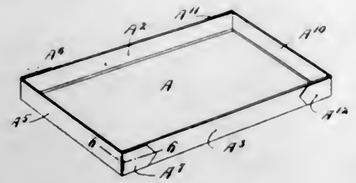
leading to the space between said top plate and cap, a series of baffle plates removably mounted between said top plates and pan and arranged for successively receiving the fuel from said top plate, and a plurality of series of air openings provided around said member adjacent each plate.

1,509,559. ELECTRIC LIGHTING FIXTURE. VALERIUS T. JENNINGS, Chicago, Ill., assignor to Hanger Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1924. Serial No. 690,784. 6 Claims. (Cl. 240—78.)



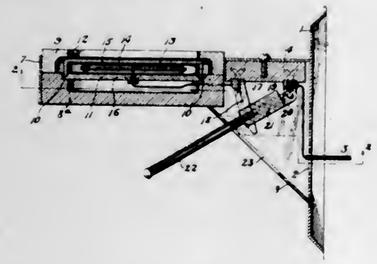
1. In an electric lighting fixture, a hollow pendant stem of uniform external diameter throughout, and threaded at both ends, a threaded bushing threadedly secured in the lower end of said stem, and having a shouldered portion bearing against the end of the stem, the diameter of said shouldered portion being no greater than that of the stem, and a metallic fixture stem of less diameter than said pendant stem, whereby a canopy fitting the stem may be slipped along said fixture stem, for containing conductor wires and for supporting a lamp, said fixture stem being permanently secured in said bushing.

1,509,560. FOLDED BOX AND PROCESS OF MAKING THE SAME. ELIE W. LABOMBARDE, Nashua, N. H. Filed Mar. 3, 1921. Serial No. 449,452. 6 Claims (Cl. 229—32.)



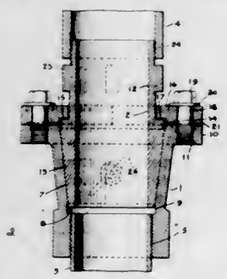
1. A box comprising a wall provided with a flap; and another wall having a portion substantially flush with the end of said flap, the latter being connected to said other wall adjacent to said portion.

1,509,561. ELECTRIC HEATER. EARL W. LOTHAMER, Canton, Ohio. Filed Sept. 7, 1922. Serial No. 586,645. 3 Claims. (Cl. 219—19.)



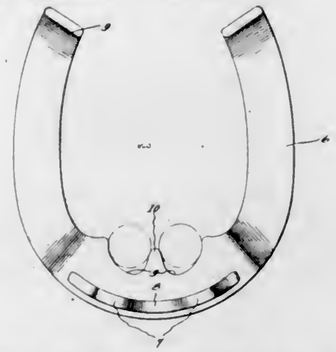
1. An electric heater including a bracket adapted to be permanently secured to a wall, an insulated housing carried upon the bracket, a heating element enclosed within said housing, an electric circuit connected to the heating element and a switch in said circuit carried by the bracket.

1,509,562. ROTATABLE PIPE JOINT. WALLACE MACGREGOR, Berkeley, Calif. Filed May 8, 1922. Serial No. 559,189. 3 Claims. (Cl. 285—133.)



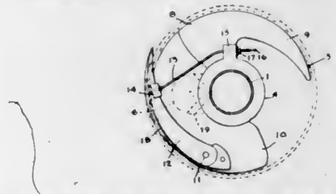
1. A coupling comprising a joint member having at one end means providing for its connection with a pipe or fitting and provided with a frustro-conical seat, one end of said seat terminating in a cylindrical portion, another joint member having a frustro-conical portion engaging in said frustro-conical seat with the inner end of said frustro-conical portion extending into and spaced circumferentially from said cylindrical portion, said frustro-conical portion terminating at its outer end in a cylindrical portion, which cylindrical portion extends into the outer end of the frustro-conical seat.

1,509,563. HORSESHOE QUOIT. WILLIAM J. MARTIN, Cleveland, Ohio. Filed June 11, 1923. Serial No. 644,693. 2 Claims. (Cl. 46—65.)



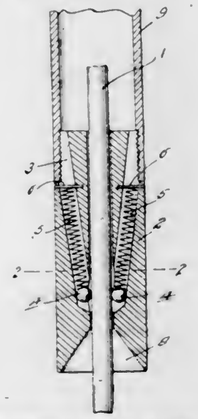
2. A quoit, the inner edge of which is provided with a pair of tapered recesses with a pointed projection between them.

1,509,564. STEAM OIL-WELL AUGER. HENRY L. MCDUFFEE, Gilroy, Calif. Filed Aug. 11, 1923. Serial No. 656,892. 4 Claims. (Cl. 255—61.)



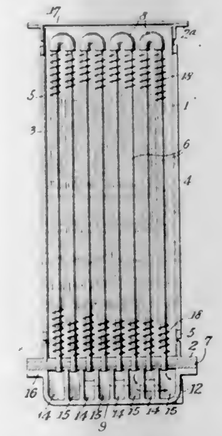
3. A steam oil well auger comprising a steam pipe line adapted to extend into the bore of a well, an auger attached to the lower end of said pipe line and comprising a fixed scraper blade and a pivoted scraper blade, means for regulating the movement of the pivoted scraper blade, said auger having a central power portion provided with means for directing laterial jets of steam therefrom against the sides of the bore of the well.

1,509,565. FISHING TOOL. EMIL V. OSWALD, Lost Hills, Calif. Filed May 16, 1923. Serial No. 639,244. 1 Claim. (Cl. 294—108.)



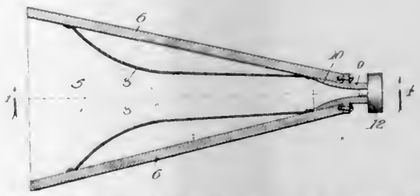
A fishing tool adapted for use in deep wells comprising a body, a series of bores arranged about the axis of the body, said bores being open throughout their lengths, gripping balls within the bores, springs located within the bores and bearing against the balls, pins disposed transversely across the bores and confining the upper ends of the springs, and a tube connected with the body and having an end portion which surrounds the upper open ends of the bores.

1,509,566. AIR COOLER. JOSEPH PRICE, New York, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed July 8, 1921. Serial No. 483,355. 9 Claims. (Cl. 257—221.)



1. An apparatus of the class described having a containing shell, a gas passage through the shell, and a fluid passage in heat-exchanging relation therewith comprising, tubular elements arranged in a plurality of transverse rows, each element including a pair of tubes interconnected at one end and open at the other, and means for connecting the elements of each of said transverse rows in parallel and connecting the elements of different transverse rows in parallel whereby the width of the gas passage is not fixed by the number of elements in parallel.

1,509,567. AMPLIFIER. HENRY K. SANDELL, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,144. 1 Claim. (Cl. 181—27.)

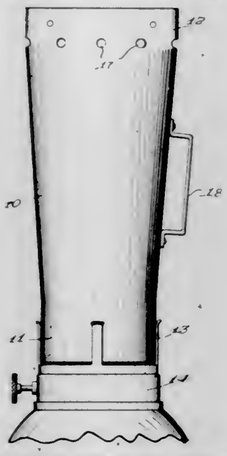


An amplifier having a substantially flat bottom wall of triangular shape, supporting members rising therefrom, a top wall resting upon said supporting members and curved from the mouth of the amplifier to its throat, and curved side members of non-vibratable material secured to said supporting members.

1,509,568. METAL LAMP CHIMNEY. BENJAMIN SILVERMAN, Chattanooga, Tenn., assignor of one-half to J. Russel Earp, Chattanooga, Tenn. Filed Nov. 7, 1923. Serial No. 673,259. 1 Claim. (Cl. 126—235.)

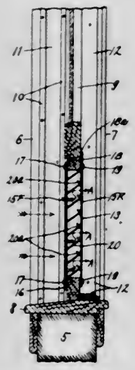
A heater for the purpose described comprising a tubular member circular in cross section at its lower end and of elongated rectangular form at its upper end, said lower end being adapted to fit within the crown of a

lamp, the upper end being provided in each end wall with a notch, said notches being alined and adjacent one side wall of said upper end, and cross bars extend-



ing across the upper end between the side walls and adjacent the end walls, said cross bars lying substantially in the plane of the bottoms of said notches, said upper end further having vent openings beneath said cross bar.

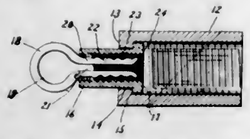
1,509,569. WINDOW-VENTILATING DEVICE. CHARLES V. SWANSON, Velva, N. Dak. Filed June 27, 1924. Serial No. 722,723. 2 Claims. (Cl. 98—31.)



2. A ventilator frame, comprising two quadrangular, horizontally aligned frames hingedly connected, a screen on the outer side of each frame, a screen on the inner side of each frame, a quadrangular metal frame for each screen adapted to hold each screen in place, deflector blades mounted horizontally and intermediate said screens and having each an outwardly and downwardly sloping part and an upwardly and outwardly inclined part, one of said metal frames on the inner side extended horizontally at the adjacent vertical edges of the hinged frames and adapted to cover the vertical joint rearwardly of the hinge for the purpose described.

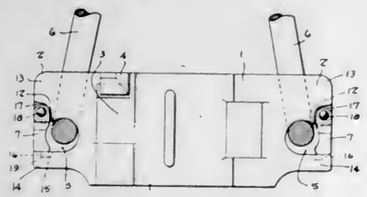
1,509,570. SWIVEL CONNECTER FOR KEY CHAINS. WILLIAM H. SYKES, Edgewood, R. I., assignor to Livermore & Knight Co., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 14, 1924. Serial No. 706,400. 2 Claims. (Cl. 59—95.)

2. A swivel connecter for key chains comprising a body member with a central bore and having an end wall with an opening therethrough, a tubular swivel member extending through said opening and enlarged on its inner end to shoulder against the inner surface of said end wall, an eye member formed of wire folded upon itself into loop form with its ends slightly spaced apart and



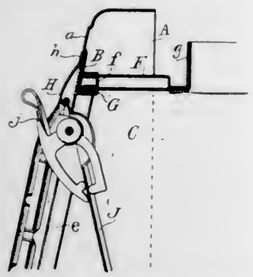
extending into the bore of said swivel member, the contiguous surfaces of both said shank and bore of said swivel member being roughened and soldered together, solder being also positioned in the space between the members of said shank to prevent them from springing inwardly under tension.

1,509,571. CASING ELEVATOR. EDWARD TIMMS and WILLIAM S. GRAU, Los Angeles, Calif., assignors to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Mar. 19, 1923. Serial No. 626,041. 2 Claims. (Cl. 294—90.)



1. A casing elevator having a lateral projecting ear substantially horizontally apertured to receive a supporting bail, a lug receiving recess in said ear adjacent the aperture, a lateral lug portion formed at the opposed side of said aperture, and a latch member having at one end a lug portion engaging said lug receiving recess and having bifurcations at the other end engaging said lateral lug.

1,509,572. WARM-AIR REGISTER. WILLIAM T. TRUAX, Battle Creek, Mich., assignor to United States Register Company, Battle Creek, Mich., a Corporation of Michigan. Filed Apr. 23, 1921. Serial No. 463,982. 1 Claim. (Cl. 98—54.)



In a warm air register, the combination with a register box having walls comprising parallel sheets of metal, a grooved connecting member having bent edge portions clamping the edge portions of the said sheets whereby the sheets and the connection are held together, a register frame having an inner sunken border edge portion arranged flatwise against the bends of the said connecting member, bendable sheet metal sealing strips each having a flat portion arranged upon the said sunken border portion of the frame and co-extensive therewith,

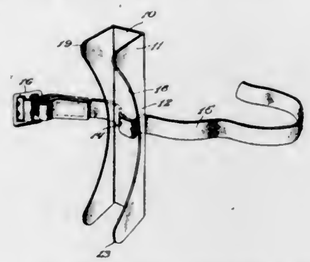
each sealing strip having a bent portion passing through the opening in the register frame and a bent portion clamped to one of the said wall sheets by the said bent edge portion of the connecting member, and an open-work front plate having a flat edge portion arranged upon the said flat portions of the sealing strips which lie in the said sunken inner border edge portions of the frame.

1,509,573. TIRE CHAIN. GEORGE H. WATERS, Glenfield, N. Y. Filed Mar. 15, 1924. Serial No. 699,576. 3 Claims. (Cl. 152—14.)



2. A cross chain, comprising a plurality of similar units, each unit having a bevelled tire engaging base and an outwardly extending flange, loops formed upon the units and extended in parallelism with the bases, each unit having near the end opposite to the loop end a pair of oppositely disposed loop engaging and elongated openings extending through the flange thereof, said flange further provided with a slit extending from each opening to the outer edge of the flange, and means secured to the terminals of said assembly for attaching said assembly to side chains.

1,509,574. KICKING BOOT. WILLIAM E. WOLFE, Recluse, Wyo. Filed July 31, 1923. Serial No. 654,864. 1 Claim. (Cl. 119—127.)

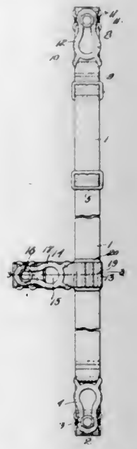


A boot of the class described comprising a metal body having a flat straight central web and flat straight side flanges turned back from said web, said flanges having a comparatively slight height midway their ends and considerably greater height at each end thereof, and edges of arcuate contour between said ends and the middle portion of the flanges, said central web being provided with longitudinal slits between said flanges at its center, a flexible strap engaging through said slits and provided with fastening means, the body being adapted to fit against the front side of an animal's leg across the joint therein with the side flanges embracing the leg and the strap being adapted to pass around the leg above the joint.

1,509,575. PROCESS OF PRODUCING OXALIC ACID. CHARLES O. YOUNG, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Apr. 5, 1920. Serial No. 371,536. 2 Claims. (Cl. 260—116.)

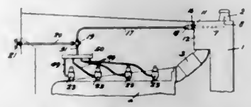
1. Process of preparing oxalic acid from water-soluble substances capable of yielding the same by oxidation, comprising circulating a gaseous mixture of nitrogen oxids and oxygen in contact with an aqueous solution of such substance in a closed circulating system, and supplying substantially undiluted oxygen in proportion to satisfy the reaction requirements.

1,509,576. HOSE SUPPORTER. ANTHONY S. ANDERSON, Milton, Mass. Filed Nov. 12, 1921. Serial No. 514,540. 2 Claims. (Cl. 241—1.)



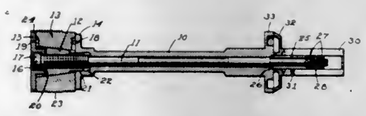
1. A sock supporter comprising a strap; means adjustably connecting one end of said strap to the body portion thereof to provide a loop; a garment engaging clasp adjustably engaged with said loop; a garment engaging clasp at the opposite end of said strap; a sleeve adjustably mounted on said strap between said loop and said last mentioned clasp, and a laterally extending garment engaging clasp carried by said sleeve.

1,509,577. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. GEORGE BALLWEBER, Cincinnati, Ohio. Filed Oct. 16, 1919. Serial No. 331,038. 2 Claims. (Cl. 123—25.)



1. In a device of the class described, the combination with an internal combustion engine, of a radiator connected therewith, adjustable automatically operated intake valves in central communication with the top of each engine cylinder, a pipe connection from each intake valve internally communicating with a distributing chamber, a pipe attached to and communicating with said chamber, and with the top interior of said radiator and a manually operated valve in said pipe for controlling vapor flow to said chamber.

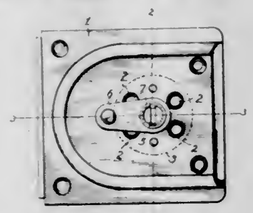
1,509,578. ADJUSTABLE INTERNAL GAUGE. JOHN BATH, Worcester, Mass. Filed Oct. 18, 1922. Serial No. 595,428. 8 Claims. (Cl. 33—178.)



1. An adjustable internal gauge having, in combination, a support having an elongated axis a plurality of gauge bars movable radially in said support and having inner bearing surfaces inclined relatively to the axis of the gauge, means engaging said inclined bearing surfaces and effective to move said bars simultaneously

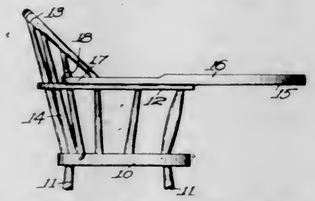
radially, said gauge bars having screw threads thereon, and a threaded pilot mounted adjacent the outer ends of said gauge bars and held from angular movement relative thereto.

1,509,579. LOCK. OTTO H. BENKE, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 14, 1923. Serial No. 657,278. 1 Claim. (Cl. 70—46.)



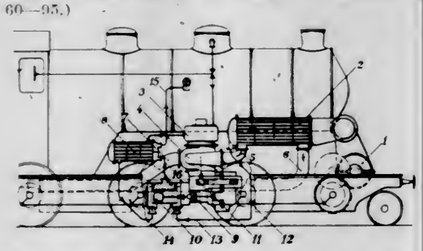
The combination with the cover plate of a rim lock, of a plate removably secured to said cover plate, a roll back mounted in said plate, a roll back cam removably secured to said roll back, said plates having aligning bolt holes, the bolt holes in the cover plate being sufficiently large to permit the heads of cylinder securing bolts to seat against the removable plate.

1,509,580. CHILD'S CHAIR. RODERIC L. BENT, Gardner, Mass., assignor to S. Bent & Bros., Inc., a Corporation of Massachusetts. Filed May 16, 1922. Serial No. 561,533. 1 Claim. (Cl. 155—126.)



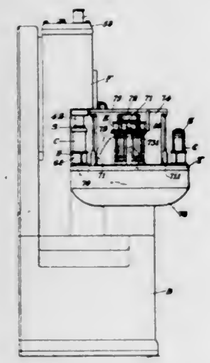
A child's chair having a back with an outer frame and spindles therein, a tray with rearwardly projecting arms having their rear ends curved inwardly substantially in the plane of the tray, means encircling certain of said spindles within said outer frame and pivotally secured to the inner ends of said arms, said means comprising sheet metal clamps each having a portion embracing one of said spindles and having flat end elements disposed adjacent each other at the side of said spindle, and said tray arms being pivotally secured to said end elements.

1,509,581. CONDENSING STEAM LOCOMOTIVE. HEINRICH BOLTSHAUSER, Zurich, Switzerland. Filed May 13, 1922. Serial No. 560,607. 2 Claims. (Cl. 60—95.)



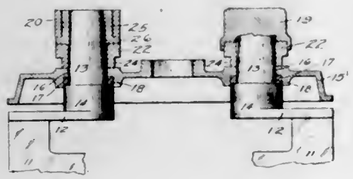
2. A condensing steam locomotive, comprising a circulation pump for the cooling water for the condenser, a steam power engine arranged to drive the circulation pump, a preheater heated by the exhaust steam of said steam engine, and a piston pump driven by said steam power engine one side of said pump communicating with a collecting space for condensed water of the condenser and the other side of said pump communicating with a collecting space for condensed water of the preheater, all the condensed water drawn into the pump being forced through the preheater into the boiler of the locomotive.

1,509,582. MACHINE FOR CRIMPING DRY-CELL JACKETS. HERBERT L. BOECHERS, Lakewood, Ohio, assignor to National Carbon Co. Inc., a Corporation of New York. Filed June 1, 1921. Serial No. 474,221. 25 Claims. (Cl. 93—55.)



1. In a crimping machine, the combination of a carrier, chucks thereon successively movable thereby to a crimping position, crimping members severally associated with said chucks, a crimping member at said crimping position adapted to successively cooperate with the aforesaid crimping members, and means for moving the cooperating crimping members at the crimping station.

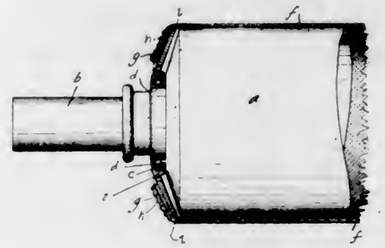
1,509,583. STORAGE-BATTERY SEALING DEVICE. WENDELL H. CALDBECK, Des Moines, Iowa, assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 23, 1920, Serial No. 405,429. Renewed July 12, 1923. 4 Claims. (Cl. 204—29.)



1. In a sealing device for storage battery cells, the combination with a cover member having a hole therein, a post extended through said hole, said post having a shoulder, a gasket surrounding the post between the shoulder and the bottom of the cover member, a connector mounted on the upper part of the post and burned thereto, a sealing and locking collar rotatably mounted on the post between the connector and the cover member, said collar and connector having respectively on their adjacent surfaces a projection and a recess provided with inclined surfaces, the parts being so constructed that they may be assembled and

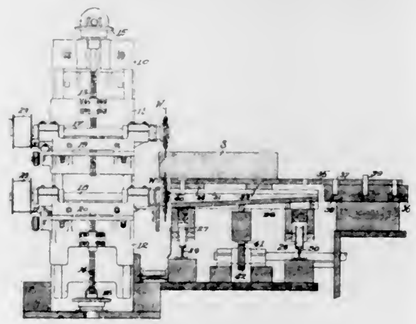
the connectors burned on when the projection is received in the recess and thereafter the collar may be engaged and rotated for causing the projection to ride out of said recess for forcing the shoulder of the post on which the collar is mounted against the gasket for effecting a tight seal.

1,509,584. PAPER-MACHINE COUCH ROLL. STEPHEN GROVER CHAMBERS, Oregon City, Oreg. Filed Apr. 11, 1923. Serial No. 631,474. 5 Claims. (Cl. 92—47.)



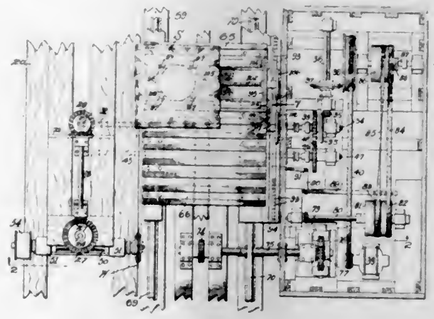
1. In a couch roll having a resilient covering, the combination of a roll provided with stub axles at its ends, a plate mounted for independent rotation about each of said axles, said plates being diametrically the same as, and constituting a continuation of the peripheral surface of, said couch roll, means for spacing the plates relatively from the roll ends so as to have no appreciable frictional bearing on such ends, the ends of the covering for said couch roll extending beyond the ends of the roll and engaged with said plate, whereby any creeping of the covering placed on the roll is rendered substantially uniform thruout its length.

1,509,585. EDGE TRIMMER FOR STONE BLOCKS. ELROY A. CHASE, Northfield, Vt. Filed Mar. 29, 1921. Serial No. 456,670. 9 Claims. (Cl. 51—86.)



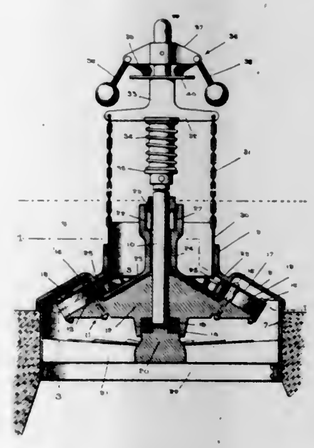
1. An edge trimmer for stone blocks having, in combination, a relatively narrow grinding wheel, a wheel shaft, driving means therefor, and means to support a block of stone adjacent said wheel and to move said stone in a curved path past said wheel in a direction substantially transverse to the axis thereof, the axis of movement of said stone being substantially removed from the plane of the grinding wheel along the axis of the wheel shaft.

1,509,586. EDGE-LINING MACHINE. ELROY A. CHASE, Northfield, Vt. Filed Mar. 29, 1921. Serial No. 456,671. 9 Claims. (Cl. 51—80.)



1. An edge lining machine having, in combination, a pair of grinding wheels, and means to raise and lower said wheels independently of each other, said means including a friction wheel and disc by adjustment of which the direction and speed of movement may be controlled.

1,509,587. WATER TURBINE. MELVILLE R. COLE, Monte Vista, Colo., assignor of one-half to William M. Vastine, Monte Vista, Colo. Filed Nov. 28, 1922. Serial No. 603,796. 5 Claims. (Cl. 253—166.)

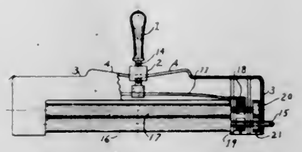


1. A water turbine comprising a casing having an upper inlet, a vertical shaft in the inlet, a rotor carried by the shaft in said casing, a sleeve valve slidable in the inlet for controlling the flow of water to the rotor, means for suspending said valve from the shaft, and a governor carried by the shaft cooperable with said means for controlling the valve.

1,509,588. CLOTHES WRINGER. HARRY J. CRINER, Davenport, Iowa, assignor of one-half to Arthur G. Bush, Davenport, Iowa. Filed Jan. 24, 1922. Serial No. 531,362. 5 Claims. (Cl. 68—32.)

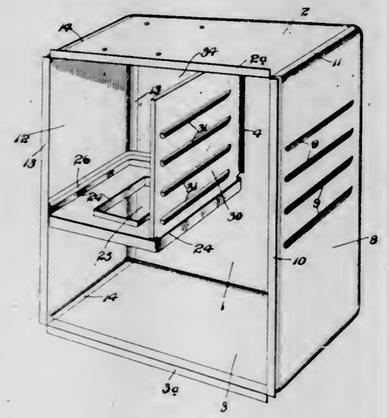
1. In a clothes wringer, the combination of a frame, wringer rolls mounted in said frame, a compression spring bar above said rolls, said frame having flanges extending

along the top thereof and having a slot between them, a block movable along said slot having lugs extending beneath said flanges, the latter being provided with notches



in which said lugs seat and a lever having one end secured to a fulcrum on said spring bar and extending through said block and provided with a handle.

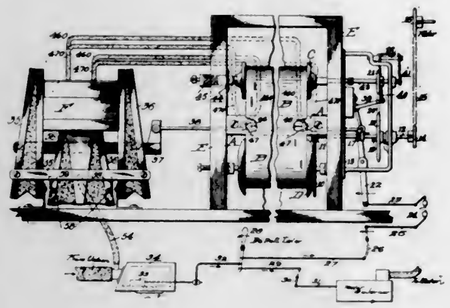
1,509,589. REFRIGERATOR CONSTRUCTION. FRANK J. M. CURRAN, Grand Rapids, Mich. Filed Oct. 3, 1921. Serial No. 504,989. 4 Claims. (Cl. 62—89.)



3. In a refrigerator, a lining having a back, top, bottom and ends and an open front side, a frame having door openings therethrough secured at the open front of the lining, said frame including a vertical post located intermediate the sides of the frame and a horizontal rail located between the upper and lower sides of the frame and between the said post and a side of the frame, said post being vertically grooved on its rear side and said rail having a horizontal rearwardly projecting ledge on its rear side, a horizontal rib pressed inwardly, from the back of the lining in the same plane with said ledge, a vertical rib pressed inwardly from the back of the lining back of post, a pan supported on and between said ledge and horizontal rib, a vertical partition resting at one end of the pan, having its forward face received in the groove in the post and bearing at its rear portion against the vertical rib, and manually operable latching means attached to the back of the lining and adapted to releasably engage with the partition to hold the same against said vertical rib, said partition terminating short of the top of the lining at its upper end.

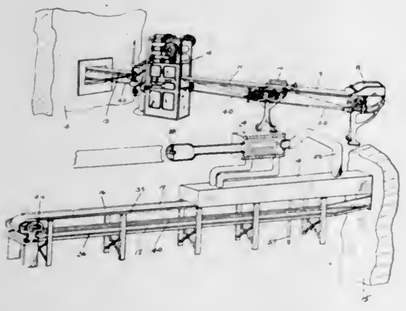
1,509,590. TRACKING MECHANISM FOR MUSIC SHEETS. THOMAS DANQUARD, New York, N. Y., assignor to Auto Pneumatic Action Company, a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,886. 8 Claims. (Cl. 84—140.)

1. The combination of an apertured tracker bar, means for drawing a perforated music sheet from a music spool forward over the tracker bar for playing, means for rotating the music spool for rewinding, an automatic tracking mechanism for maintaining the music sheet in proper



lateral position on the tracker while travelling forward, and means for bringing the music spool to central or intermediate position during the rewinding operation.

1,509,591. DEVICE FOR TREATING CHOCOLATE CONFECTIONS AND THE LIKE. JOHN E. DAVIS, Cincinnati, Ohio. Filed Dec. 1, 1922. Serial No. 604,243. 6 Claims. (Cl. 34—12.)

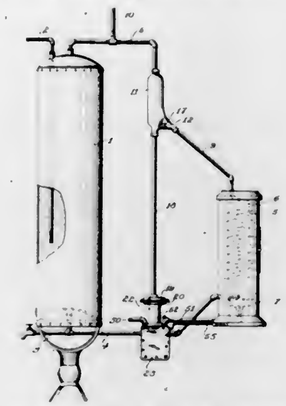


4. In a device of the class described the combination of an elongated table, a housing mounted on the table adjacent one end thereof, the housing having slots in its opposite ends, partitions within the housing extending between the table, the side and the top of the housing, the partitions having notches in their lower edges whereby to provide openings between the chambers formed in the housing, a belt conveyor supported by the table extending through the openings in the ends of the housing and through the openings between the chambers in the housing, means to move the belt through the chambers and over the table, and means within one of the chambers in the housing for varying the temperature interiorly and exteriorly of the chambers in the housing.

1,509,592. AUTOMATIC WATER HEATER. CORNELIUS JOSEPH DILLON and JOSEPH F. DILLON, Philadelphia, Pa. Filed Sept. 13, 1920. Serial No. 409,893. 15 Claims. (Cl. 236—32.)

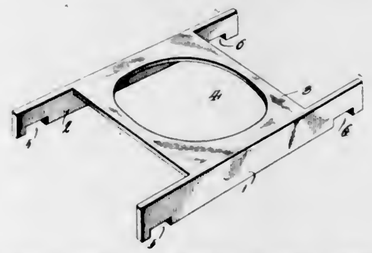
1. In a water-heating system, the combination of a circulating pipe, a burner, a reservoir interposed in the circulating pipe, an air chamber surrounded by said

reservoir, a pipe depending from and open to the air chamber, a valved passage connecting the circulating pipe



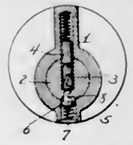
with said depending pipe, and means controlled by the pressure in the air chamber upon liquid in said depending pipe for regulating the flow of fuel to the burner.

1,509,593. STRAINER HOLDER. CHARLES J. FELGER, Churubusco, Ind. Filed Apr. 17, 1922. Serial No. 553,771. 1 Claim. (Cl. 248—30.)



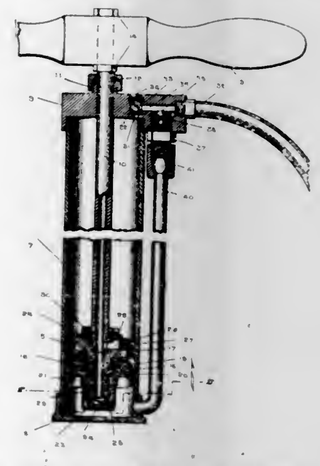
A strainer holder for the bowls of cream separators comprising a pair of spaced parallel disposed side supporting bars, a flat rectangular shaped body plate connected to and arranged between the side bars, and having an enlarged axial opening therein for the straining material, the flat side supporting bars depending from the side edges of the plate, the terminals of the bars extending beyond the ends of the plate and having their lower faces provided with notches for receiving the cream separator bowl, whereby shifting movement of the holder in relation to the bowl will be prevented.

1,509,594. PIN-TUMBLER LOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug 23, 1922. Serial No. 583,912. 1 Claim. (Cl. 70—47.)



In a pin tumbler lock, the combination of a cylinder, spring pressed drivers mounted in one side of the cylinder, a plug having bores, pin tumblers mounted in said bores, plungers mounted in the cylinder diametrically opposite the spring pressed drivers and each being greater in diameter than each of the bores in the plug, said plug having a longitudinal groove to receive said drivers when the plug shall have been given a one-half turn.

1,509,595. AIR PUMP. JOHN A. GROSVENOR, Monte Vista, Colo., assignor of forty per cent to William M. Vastine and forty per cent to James P. Veerkamp, both of Monte Vista, Colo. Filed June 23, 1923. Serial No. 647,334. 3 Claims. (Cl. 103—225.)



1. In a pump, a tubular air entry piston rod, a member secured on the inner end of said rod and having a tubular extension in communication with said rod, packing means on said extension, a nut screw-threaded on said extension for clamping the packing means against said member, a cap screw-threaded on said extension and bearing against said nut, a valve in said cap to seat against the end of said extension for preventing the reverse flow of air back through the extension and piston rod, said cap being slotted for the flow of air therethrough, said member having a port for the flow of air from said rod to the side opposite to said extension, and a check valve for closing said port to prevent the reverse flow of air back to said rod.

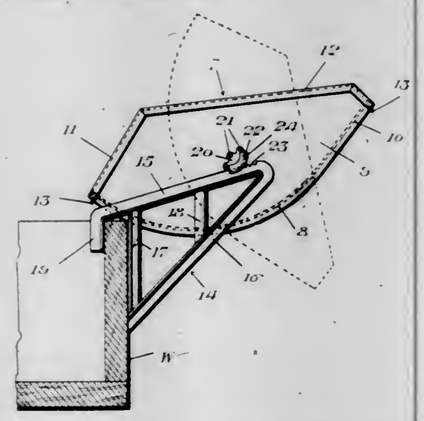
1,509,596. CORNCRIB, GRAIN BIN, AND OTHER SHEET-METAL STRUCTURE. HARRY C. HAMES, Columbus, Ohio, assignor to F. O. Schoedinger, Columbus, Ohio. Filed May 22, 1922. Serial No. 562,826. 2 Claims. (Cl. 98—26.)



2. A ventilator for sheet metal walls, comprising a pair of complemental lips projecting outwardly from a sheet metal wall and joined to said wall along semicircular boundary lines, said lips being provided with adjacent chord edges relatively spaced in a transverse direction so that the upper of said lips will extend outwardly along its chord edge beyond the corresponding edge of the lower lip, whereby an air inlet space or opening is produced between said edges having its ef-

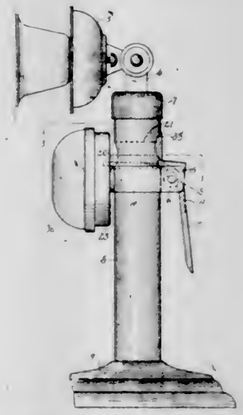
fective inlet area disposed solely in a transverse plane, and said lips being formed further to occupy positions lying entirely beyond the confining limits of the inner surface of said wall.

1,509,597. CAR UNLOADER. FRANCIS O. HELTZEL, Warren, Ohio. Filed Oct. 9, 1920. Serial No. 415,865. 3 Claims. (Cl. 214—38.)



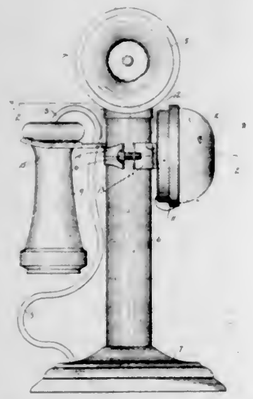
1. A car unloader comprising a pair of brackets each having an inclined rail and means at the lower end of the rail for engaging over the upper edge of a car wall, a skip located between said brackets, and rockers secured to the sides of the skip and seated on said inclined rails for rolling motion, said brackets and rockers having teeth meshing with one another, and said rockers being located outwardly beyond the center of gravity of the skip so that the inner portion of the skip overbalances the outer portion, the bottom of the skip being concaved to seat on the upper edge of said car wall.

1,509,598. TOY DESK TELEPHONE. NORMAN N. HILL, East Hampton, Conn., assignor to The N. N. Hill Brass Co., East Hampton, Conn., a Corporation. Filed July 21, 1922. Serial No. 576,649. 3 Claims. (Cl. 46—46.)



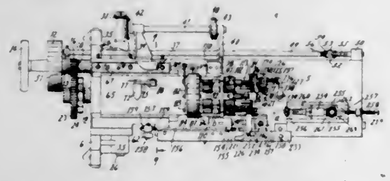
1. In a toy desk-telephone, the combination with a base, of a standard rising therefrom, a transmitter surmounting the standard, a receiver connected by a cord with the toy, a bell offsetting from the upper portion of the standard, an operating-lever arranged in substantial alignment with the said standard and pivotally connected at its upper end therewith at a point opposite the said bell, and a bell-actuator extending transversely through the standard and connecting the said bell and lever, whereby the bell is operated by a closing and unclosing action of the hand upon the said lever, while the same retains its grasp upon the standard.

1,509,599. TOY DESK TELEPHONE. NORMAN N. HILL, East Hampton, Conn., assignor to The N. N. Hill Brass Co., East Hampton, Conn., a Corporation. Filed July 29, 1922. Serial No. 578,320. 2 Claims. (Cl. 46—46.)



1. In a toy desk-telephone, the combination with a base, of a standard rising therefrom, a transmitter surmounting the standard, a receiver connected by a cord with the toy, a two-part clamp clasping the upper portion of the standard, a bell mounted upon one member of the said clamp and furnished with an operating lever, and a receiver-hook originating upon one edge of the other member of the clamp, midway the length thereof, and extending horizontally outward therefrom at a right angle thereto.

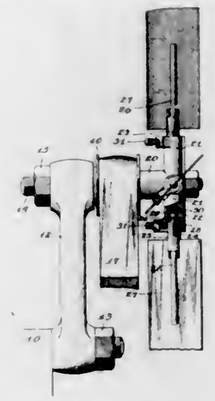
1,509,600. MACHINE FOR PLACING RINGS ON BOBBINS AND THE LIKE. WINTHROP T. JACKMAN, East Corinth, Vt. Filed Feb. 21, 1923. Serial No. 620,368. 124 Claims. (Cl. 29—84.)



1. In a ringing machine of the class described, ring-locating means, bobbin-positioning means, and a spindle movable from an operative position relative to said first-named means to an operative position relative to said second-named means, and adapted to take a ring from said first-named means.

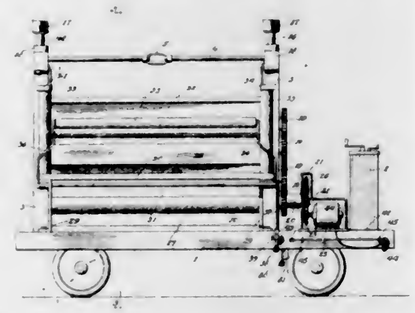
1,509,601. FAN. HARRY W. JOHNSON, ARTHUR F. JOHNSON, FREDOLPH JOHNSON, and CHARLES V. JOHNSON, Little Falls, Minn. Filed Sept. 11, 1922, Serial No. 587,541. Renewed Aug. 4, 1924. 4 Claims. (Cl. 170—162.)

1. A fan for automobiles, comprising a hub, radiating blades extending therefrom, connections between the hub and each blade for radial and limited axial movement therebetween, the movement of each blade being independent of the movement of each other blade, means



operative under centrifugal force of the rotating fan for securing the blades in adjusted positions when the fan is being rotated.

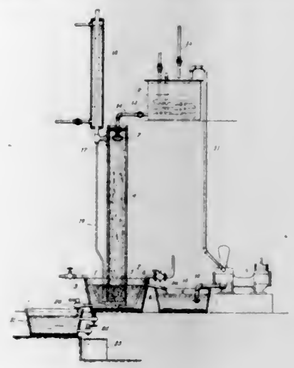
1,509,602. STICKER PULLER FOR TIN MILLS. THOMAS W. MALONEY, New Castle, Pa. Filed Apr. 27, 1922. Serial No. 556,980. 7 Claims. (Cl. 29—17.)



6. In a machine for the purpose set forth, the combination of a supporting frame, rolls mounted therein to act upon sheets thereto, guiding brackets secured upon the frame adjacent said rolls, a sheet-receiving support slidably engaged with said brackets, a secondary sheet receiving support slidably fitted upon the first-mentioned support, a yieldable connection between the secondary support and the first mentioned support, a toggle having its lower member pivoted upon the supporting frame and having its uper member slidably engaged with the first-mentioned receiving support, means for bending and straightening said toggle, and a link connecting the toggle with the secondary sheet receiving support.

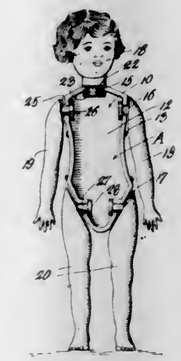
1,509,603. PROCESS AND APPARATUS FOR TREATING GASES. GAIL MERSEREAU, New York, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Sept. 16, 1918, Serial No. 790,080¾. Renewed Aug. 15, 1918. Serial No. 250,071. 16 Claims. (Cl. 260—166.)

1. The process which comprises bubbling a complex mixture of saturated and unsaturated hydrocarbon gases beneath the surface of a temperature controlling liquid, simultaneously but separately bubbling beneath said surface a halogen with which said unsaturated gas will



react to form a new product, allowing the volatile parts to rise through a rain of said liquid, and collecting the product separately from the unacted on gases.

1,509,604. DOLL. LULU A. MYERS, Bailey, Colo. Filed Nov. 27, 1922. Serial No. 603,665. 3 Claims. (Cl. 46—40.)



1. A doll comprising a hollow body including a front and a back section, means for detachably connecting the sections of the body together, the sections having mating bearing recesses formed in the meeting edges thereof, a head, arms and legs associated with the body, and inwardly extending bearing members carried by the head, arms and legs for fitting in said bearing recesses.

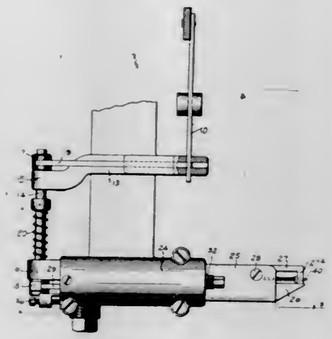
1,509,605. PROCESS OF MAKING ALUMINUM CHLORIDE. RALPH H. MCKEE, New York, N. Y. Filed Oct. 5, 1923. Serial No. 666,854. 6 Claims. (Cl. 23—13.)

1. The herein described process of making aluminum chloride which comprises treating aluminum containing materials with chlorine in the presence of an activated carbon.

1,509,606. WEFT-DETECTING MECHANISM. GEORGE K. NICHOLAS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1920. Serial No. 425,509. 2 Claims. (Cl. 139—284.)

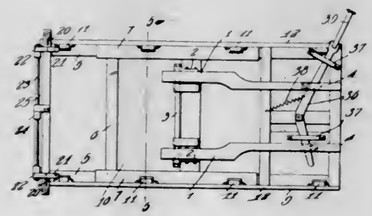
1. A weft detecting mechanism comprising a slide, a detecting member fixed to said slide, a second detecting

member pivotally mounted on said slide to move with said first detecting member and also relative thereto,



and a third detecting member mounted for longitudinal yielding movement on said second detecting member.

1,509,607. TRUCK BODY. BERT NOLL, Sistersville, W. Va. Filed June 22, 1923. Serial No. 647,108. 2 Claims. (Cl. 298—38.)



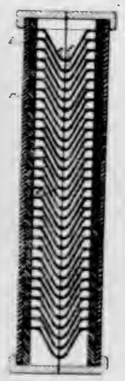
2. The combination with spaced beams for attachment to a supporting structure, of a body bottom hingedly connected to the beams, a lever carried by the bottom, keepers carried by the beams for engagement by the lever, yielding means for holding the lever normally in engaged position, and cooperating means upon the lever and body for holding the lever against movement relative to the body, a handle pivotally connected to one end of the lever, and means for holding the handle in depending position when the bottom is secured to the beams by the lever and keepers.

1,509,608. NONFERROUS ALLOY. ROLAND NORTHOVER, London, England, assignor to The Manganese Bronze and Brass Company, Limited, London, England. Filed Mar. 9, 1923. Serial No. 624,001. 1 Claim. (Cl. 75—1.)

An alloy for turbine blades and the like containing approximately 89 per cent copper, from 5 to 9 per cent nickel, from 3 to 1 per cent aluminium and from 2 to 0.5 per cent manganese.

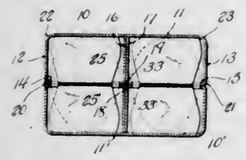
1,509,609. HIGH-TENSION FUSE. EMIL PFIFFNER, Budapest, Hungary. Filed May 13, 1924. Serial No. 713,107. 2 Claims. (Cl. 200—120.)

1. A high-tension fuse comprising in combination a fuse-wire and a multiple spark-gap which is electrically connected with the fuse-wire, the said multiple spark-gap consisting of a plurality of nestingly arranged electrodes insulated from one another and shaped to shield



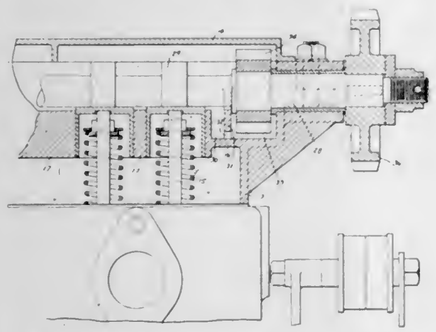
the fuse-wire and also shaped so that a plane perpendicular to the fuse-wire intersects more than one of the electrodes.

1,509,610. EGG CARTON. ALBERT RETZER, Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,029. 3 Claims. (Cl. 229—29.)



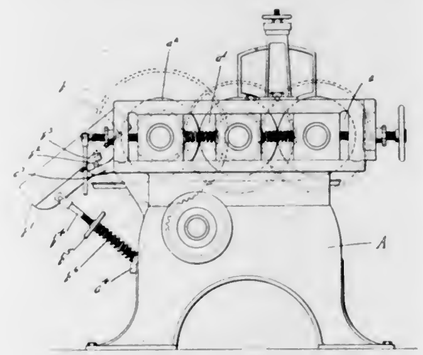
1. A carton open at both ends comprising an outer wall, a side wall continuous therewith, an inner wall continuous with said side wall and having apertures therein, a flap continuous with said inner wall, a second side wall continuous with said outer wall, a second inner wall continuous with said second side wall and having apertures therein, a second flap on said second inner wall and means for locking said flaps together.

1,509,611. DUAL OVERHEAD CAM SHAFT AND OILING SYSTEM THEREFOR. ROBERT M. ROOF, Anderson, Ind., assignor to Laurel Motors Corporation, Anderson, Ind., a Corporation. Filed Sept. 27, 1923. Serial No. 665,222. 3 Claims. (Cl. 123—90.)



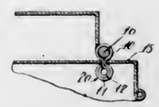
1. In an internal combustion engine, the combination of a cylinder head including valves with upwardly extending stems, a pair of overhead cam shafts, a support positioned therebetween, tappet means slidably supported by said support and interposed between said shafts and said valves and removable with said support without removing the valves, a pair of meshing gears on said shafts, and a cover for said support for enclosing said shafts and gears whereby said gears are adapted to spray lubricant upon said shafts and tappets.

1,509,612. KNIFE FOR INK MILLS. JOHN RUCKRIEGEL, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 10, 1921. Serial No. 521,493. 11 Claims. (Cl. 83—12.)



2. A scraper knife of the class described comprising a body, and blades extending from opposite sides of the body, and each blade having a surface in alignment with one of the opposite sides of the body, and each blade having a transversely extending scraping edge at its free end.

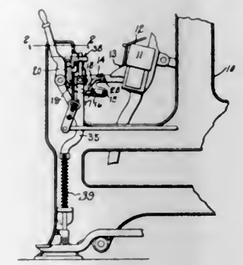
1,509,613. HINGE CONSTRUCTION. JACOB I. RUSSAKOV, Chicago, Ill. Filed Nov. 22, 1923. Serial No. 676,447. 4 Claims. (Cl. 16—128.)



1. In hinge construction, the combination of a base having a relatively long and narrow slot-like opening therethrough, a hinge pin-holder of sheet metal formed with a substantially tubular part wider than said slot-like opening and with two integral leaf-like parts extending from the tubular part and being positioned in said opening and being face to face thereat, said tubular part being tightly against one side of the base, each of said leaf-like parts being turned into a substantially tubular part to constitute locking means tightly positioned on the side of the base opposite to that on which is positioned the first-mentioned tubular part, and a hinge pin in one of said tubular parts.

1,509,614. CENTER STOP MOTION FOR LOOMS. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,698. 2 Claims. (Cl. 139—375.)

1. In a loom having a center filling fork, loom stopping mechanism including a bar yieldingly movable longitudinally, and means to latch said bar in inoperative position, in combination, a releasing mechanism comprising a rod extending crosswise of the loom, an arm mounted to swing, a releasing member connected to said rod and pivotally supported on said arm, said member being disposed adjacent said bar, means to move said member yieldingly



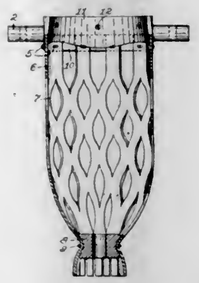
to inoperative position, and means rendered operative by said center filling fork effective to move said rod endwise and to thereby swing said member on said arm toward said bar to unlatch said bar and release said loom stopping mechanism.

1,509,615. MULTIPLE-BLADE KNIFE SWITCH. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electric Manufacturing Company, Waterville, Conn., a Corporation. Filed Aug. 26, 1921. Serial No. 495,669. 1 Claim. (Cl. 200—172.)



In a knife-switch, the combination with a plurality of parallel pivotal switch-blades having integral upstanding rivets, of a coupling-plate of insulating material transversely-arranged upon the upper edges of the said switch-blades for the upward passage through it of the said rivets, which are upset upon its upper face, a cover-plate of insulating material superimposed upon the said coupling-plate and adapted to cover the swaged ends of the said rivets, a switch-handle, and means located between the switch-blades and their rivets for securing the said cover-plate and the said switch-handle to the said coupling-plate.

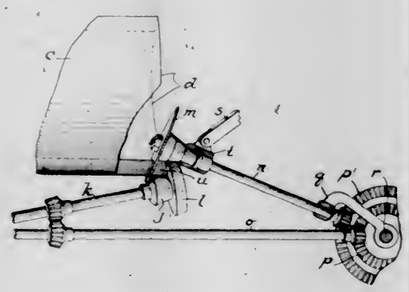
1,509,616. POCKET FOR POOL TABLES. HENRY W. SINKEY and WILLIAM L. TUTTLE, Shell Rock, Iowa. Filed Nov. 1, 1923. Serial No. 672,149. 1 Claim. (Cl. 46—12.)



In combination, a pool table pocket-sack, an arcuate member having a conical inner face, having oppositely projecting pins adapted to be removably secured upon a table, and having around its lower outer face an arcuate

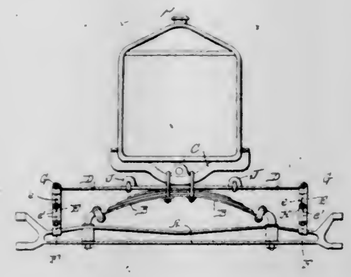
groove, an arcuate strip removably secured in said groove, the upper margin of said pocket-sack being detachably secured upon a depending portion of said arcuate strip, and a cushioning liner mounted removably upon and fitting the inner conical face of said arcuate member with its upper edge flush with the top of the latter.

1,509,617. METHOD OF CUTTING BARS FROM CENTRIFUGAL CASTINGS. KARL A. SODERSTROM, Philadelphia, Pa. Filed Apr. 17, 1923. Serial No. 632,716. 7 Claims. (Cl. 29—148.)



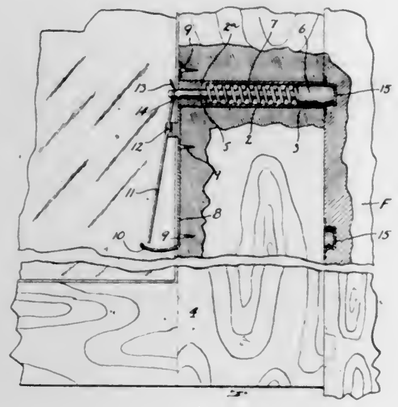
1. The method of producing bars consisting in spirally cutting a centrifugally cast hollow ingot.

1,509,618. SHOCK ABSORBER AND STABILIZER FOR MOTOR VEHICLES. CHARLES WALDERMAR NORMAN SORENSEN, Hamilton, New Zealand. Filed June 4, 1923. Serial No. 643,359. 1 Claim. (Cl. 267—45.)



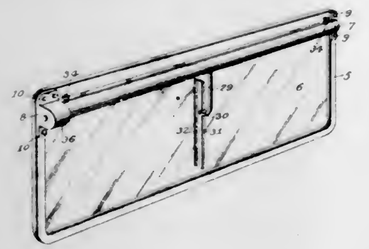
In a vehicle, the combination, with the body, an axle therebeneath, and a main bow spring interposed between the two and connected at the top of its bow to the body and its ends to the axle; of an auxiliary shock-absorbing and stabilizing spring interposed between the main spring and the body and arranged parallel with the former and the axle and in the vertical plane thereof; and a depending coupling link between each end of the auxiliary spring and the adjacent axle end but free of connection with the main spring; each link embodying upper and lower members having their inner ends overlapped, the upper member having its outer end formed to receive the adjacent end of the auxiliary spring and fastened to the same, and the lower member having its outer end clamped to the axle, the inner end of one member of the link being provided with a longitudinal slot and the inner end of the other member being provided with a longitudinal series of bolt holes, and a bolt interchangeably engaged in said holes and projecting through said slot to adjustably connect the overlapping ends of the two members together and thereby vary the length of the link and the tension of the auxiliary spring.

1,509,619. COMBINATION SASH LIFT AND LOCK. LEE R. TALBERT, Los Angeles, Calif. Filed Nov. 16, 1922. Serial No. 601,307. 3 Claims. (Cl. 292—173.)



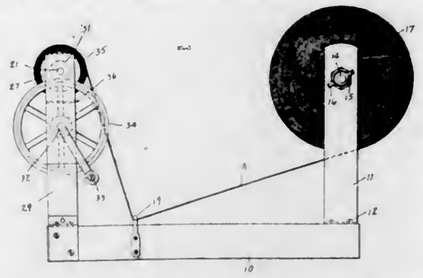
1. A sash fastening device comprising a shell adapted to be mounted in a sash, a bolt having a shank slidably mounted in said shell and provided with a head to engage a complementary keeper in the contiguous window frame, means for normally pressing the bolt to the locking position, said means comprising a compressed spring surrounding the shank of the bolt and confined in the shell, and a substantially plane lever mounted on the sash and having a fork connected to the shank of the bolt so as to withdraw the bolt from locking position.

1,509,620. WINDSHIELD CLEANER. HOMER L. TAYLOR, Bridgeport, Conn. Filed Feb. 21, 1924. Serial No. 694,279. 3 Claims. (Cl. 15—253.)



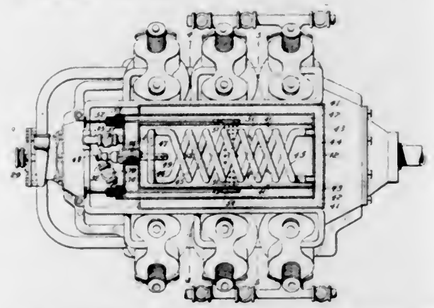
1. A wind shield cleaner comprising spaced apart brackets each having a hub, said hubs extending toward each other, a housing tube having its opposite ends fitted on said hubs, a carrier shaft in said tube and having its opposite ends mounted in said hubs, means for rotating said shaft, oppositely extending feed groove portions on said shaft, a carrier slide adapted to ride in said feed groove portions, a wiper arm with wiper pad carried by said carrier slide and adapted to wipe a wind shield glass, the housing tube having a longitudinal slot allowing passage of said wiper arm, and set screws in the end portions of said housing tube and engaging said hubs, whereby said slot can be given any desired adjustment with respect to the wind shield and the axis of said wiper shaft, for the purpose described.

1,509,621. PAPER AND FABRIC ROLLER. CHARLES E. TOMPKINS, Tipton, Ind. Filed Feb. 23, 1923. Serial No. 620,672. 3 Claims. (Cl. 242—56.)



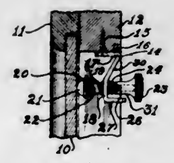
1. In a roll winder, the combination of a rotatable shaft, an apertured plate positioned at one end upon said shaft, a head slidably supported upon the other end of said shaft, and a member supported by said head and receivable by said apertured plate for positioning it adjacent said shaft.

1,509,622. POWER PLANT. WALTER E. TRENT, Washington, D. C., assignor, by mesne assignments, to Trent Process Corporation, Washington, D. C., a Corporation of Delaware. Filed Apr. 17, 1919. Serial No. 290,797. 44 Claims. (Cl. 60—46.)



1. A generator of the character described having a combustion chamber therein for burning a combustible fuel, said generator also having a fluid chamber adjacent the combustion chamber, means for controlling the passage of a fluid to the fluid chamber and to the combustion chamber whereby a fluid energy of intermixed steam and gaseous products of combustion may be produced in the combustion chamber, or independent separated energies of products of combustion and steam may be produced in said combustion and fluid chambers, and means for carrying said energies from the generator for independent cylinder expansion.

1,509,623. ANTIRATTLER. RUDOLPH J. VOYT, Cicero, Ill. Filed Feb. 28, 1923. Serial No. 621,698. 5 Claims. (Cl. 292—74.)

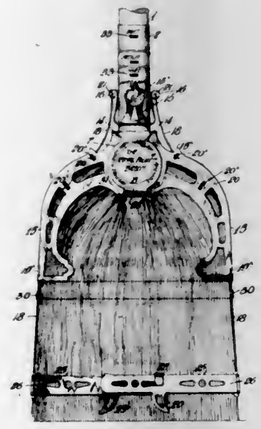


1. In a device for preventing windows from rattling, a support attached to the window frame, an element carried by said support, and springs of different tension on said element on opposite sides of said support to cause the element to resiliently contact the window.

1,509,624. ALLOY. RICHARD WALTER, Dusseldorf, Germany. Filed June 26, 1920. Serial No. 392,081. 5 Claims. (Cl. 75—1.)

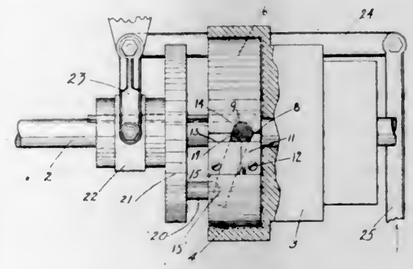
1. As a new product of manufacture an acid-proof high-silicon alloy, containing an admixture of boron in effective amounts.

1,509,625. BROOM-TENSIONING DEVICE. STEPHEN G. WILSON, Philadelphia, Pa. Filed Mar. 16, 1922. Serial No. 544,139. 9 Claims. (Cl. 15—169.)



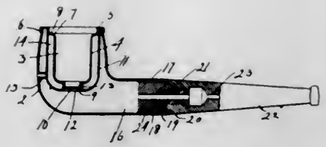
1. In a broom tensioning device, a longitudinally adjustable band encircling the sweeping part of the broom, straps at the edges of the broom and connected with said band, supporting means for said straps and means co-operating with said straps to permit their movement in one direction and to restrict their movement in an opposite direction.

1,509,626. CLUTCH. ALBERT WORCESTER, Los Angeles, Calif. Filed Aug. 25, 1922. Serial No. 584,262. 5 Claims. (Cl. 192—78.)



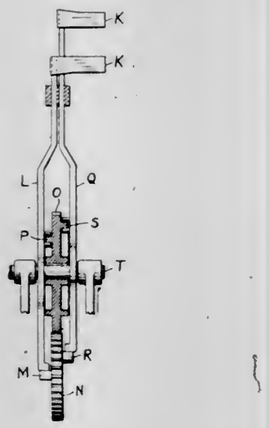
1. A clutch comprising, in combination, an expansible clutch member having a circular periphery, a device having a clutch chamber and in which said member is expansible to frictionally engage said device, said member including a split annulus with a rigid end, and means for expanding said annulus, said means including a semi-cylindrical rocking element reactive between the rigid and the free end faces of the split annulus, said element having a shoulder engaging the yielding end of the annulus and having a rocking bearing in the rigid end of the annulus.

1,509,627. TOBACCO PIPE. BENJIMAN BANK, Philadelphia, Pa. Filed Sept. 10, 1920. Serial No. 409,359. 3 Claims. (Cl. 131—12.)



3. A tobacco pipe including a bowl providing a chamber, an inner casing suspended within said bowl and providing a tobacco chamber in direct communication with the bowl chamber and an intermediate casing surrounding the inner casing within the bowl and spaced from the walls of said inner casing and bowl to provide an intermediate air chamber for communication with the atmosphere at two separated points.

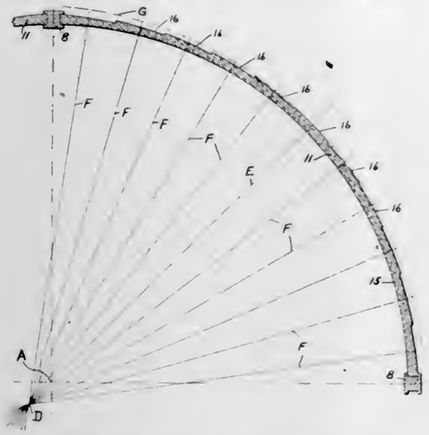
1,509,628. COMBINED MAT AND BLENDING DEVICE. SAMUEL BARDY, Philadelphia, Pa., assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa., a Corporation of Delaware. Filed June 5, 1922. Serial No. 566,173. 6 Claims. (Cl. 88—16.8.)



3. A mat for a motion picture machine comprising separate plates with an exposing opening between the adjacent edges of the plates, and a separate cam mechanism for reciprocating each plate, the cam mechanisms being arranged to move the plates relatively slowly on their forward movement and rapidly on their return movement and to cause the plates to move in unison during substantially their entire forward movement and to successively move the plates on their return movement.

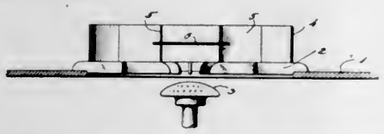
1,509,629. RECTIFYING LENS. SAMUEL BARDY, Philadelphia, Pa., assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa., a Corporation of Delaware. Filed June 5, 1922. Serial No. 566,174. 4 Claims. (Cl. 88—16.8.)

1. A lens for rectifying the movement of a continuously moving film of a motion picture machine, comprising a lens formed of one piece of glass and arranged to be continuously rotated across the axis of an objective lens system, one of the surfaces of the lens being of spherical form and whose center is on the axis of rotation and in the plane of the axis of the objective lens system and the other surface of which is composed of a number of sections of spheres, each having a center



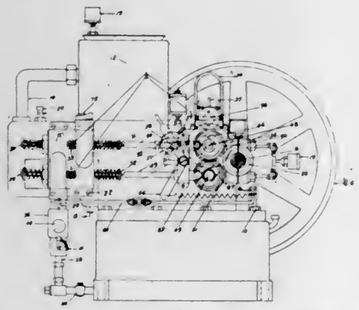
different from the centers of all the other spheres, all of said centers being in the plane of the axis of the objective lens system.

1,509,630. HEAT DEFLECTOR FOR GAS BURNERS. LLOYD W. BATES and EZRA H. TRAUT, Detroit, Mich. Filed Mar. 7, 1923. Serial No. 623,362. 3 Claims. (Cl. 126—215.)



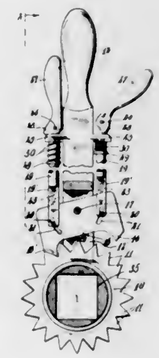
1. A device for the purpose described comprising a utensil supporting member adapted to be supported above a gas burner, said member including a central deflecting plate intermediate of the height of said supporting member and spaced from the upper horizontal surface of the member which forms a seat for the utensil.

1,509,631. TWIN MOTOR. FRANK A. BENTZLIN, Andrus, Wis. Filed Dec. 6, 1922. Serial No. 605,276. 13 Claims. (Cl. 123—57.)



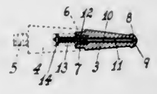
7. In an internal combustion motor of the four cycle type, the combination of a plurality of cylinders, a housing secured to said cylinders provided with inlet, exhaust, and a plurality of ignition chambers; valves in said housing opening each ignition to the inlet and exhaust chambers, each cylinder being provided with a port communicating with an ignition chamber, a push rod for operating an exhaust valve, a member projecting from said rod, and a pivoted cam member adapted to engage said projecting member and raise and hold the exhaust valve off from its seat.

1,509,632. WRENCH. GIULIO BRACCI, Detroit, Mich. Filed Nov. 15, 1923. Serial No. 674,864. 4 Claims. (Cl. 81—62.)



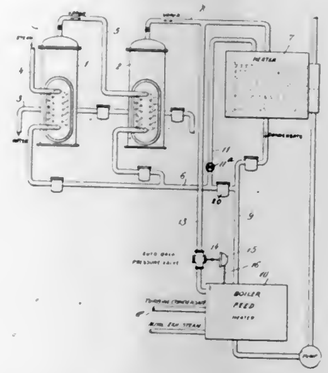
1. A wrench comprising a disk-like head having star teeth on its periphery, a handle pivoted to said head, a double ended pawl pivoted midway between its ends to said handle, a pair of slots formed in said pawl one near each end thereof, a pair of rods extending along opposite sides of said handle and carrying on one end elements adapted to engage in the said slots, springs connected to said rods and to the ends of said pawl and adapted to move the ends to which they are connected away from the said head, and means for setting said rods in longitudinally adjusted positions on the said handle.

1,509,633. TOBACCO-SMOKING PIPE, CIGARETTE AND CIGAR HOLDER. WILLIAM T. BRADSHAW and GUSTAVE EDWARD SCHMIDT, Oakland, Calif. Filed Mar. 21, 1921. Serial No. 453,945. 1 Claim. (Cl. 131—12.)



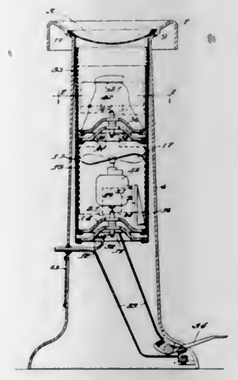
In a tobacco smoking pipe, cigarette or cigar holder, a mouth-piece provided with a longitudinal conduit, said conduit being enlarged near its inner end forming a shoulder, a valve seat at the outer end of the mouth-piece, a valve adapted to normally rest in said valve seat, a valve stem connected to the valve and extending longitudinally of said conduit, a nut on the inner end of said valve stem, said valve stem and nut projecting from said mouth-piece, a spring interposed between said nut and said shoulder whereby the valve is normally held in closed position, the pipe stem being provided with a socket at its outer end to provide a housing for the projecting portion of said valve stem and nut, and means whereby the mouth-piece may be detachably connected to a pipe stem.

1,509,634. COMBINED EVAPORATOR AND FEED-WATER HEATING SYSTEM. STANLEY BROWN, Garden City, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 26, 1920. Serial No. 353,998. 9 Claims. (Cl. 257—30.)



1. In a power plant system, the combination of a boiler feed heater at relatively low pressure for receiving the returns from the steam-utilizing apparatus of an evaporator plant for making up the fluid loss from the power plant system, means for condensing the vapor from said evaporator system comprising a condenser, the pressure in said condenser being appreciably higher than that in said boiler feed heater, a vapor line leading thereto, and a branch from said vapor line to said heater, and means controlled by the temperature of the heater for regulating the quantity of vapor delivered through said branch line for maintaining said heater at a predetermined temperature.

1,509,635. LAVATORY FIXTURE. STANDISH S. BUDLONG, Rockford, Ill. Filed May 23, 1921. Serial No. 471,792. 11 Claims. (Cl. 219—39.)



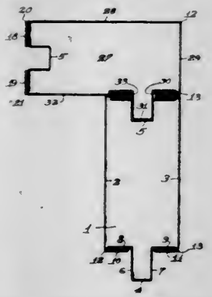
1. In a lavatory fixture, the combination of a pedestal, a heater and a blower unit therein, each unit having a tubular casing and an electric connection, said casings forming an air channel through which a current of air may be delivered upwardly, and an electric circuit including said connections, and permitting removal of said units with their respective electric connections.

1,509,636. FUSED BIFOCAL LENS. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Franklin Optical Company, Indianapolis, Ind., a Corporation. Original application filed May 5, 1921, Serial No. 467,141. Divided and this application filed Apr. 12, 1923. Serial No. 631,531. 4 Claims. (Cl. 88—54.)



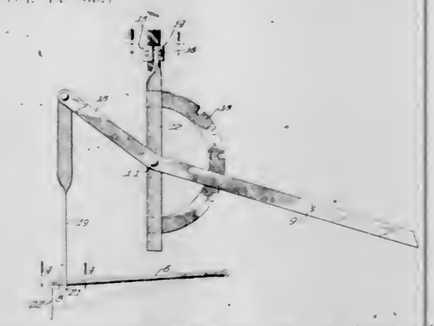
1. A lens for eyeglasses and spectacles having a distance field of uniform power, and a near vision field of gradually increasing power from its line of juncture with the distance field.

1,509,637. WALL CONSTRUCTION. WILLIAM J. BURTON, Detroit, Mich. Filed Jan. 25, 1922. Serial No. 531,625. 5 Claims. (Cl. 189—34.)



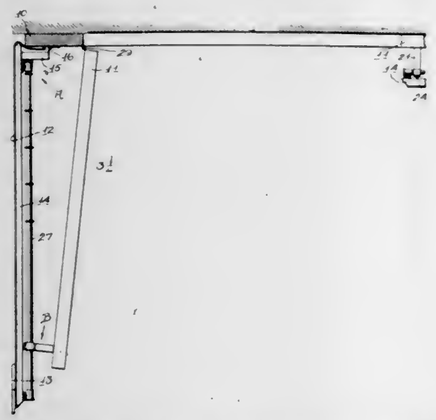
1. A hollow sheet metal wall comprising a series of sections or panels each having two substantially parallel side members and separate end members formed, one with a tongue portion and the other with a groove to receive the tongue on an adjacent section, the side and end members of each section being interlocked along their joining edge portions.

1,509,638. CLUTCH-OPERATING ATTACHMENT FOR TRACTORS. GUSTAVE B. CARLSON, Winnebago, Ill. Filed Mar. 11, 1922. Serial No. 543,114. 1 Claim. (Cl. 74—39.)



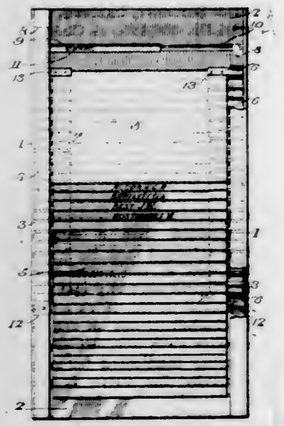
In a tractor, in combination with the clutch pedal and a frame part of the tractor, a clutch-operating attachment comprising a bracket having a notched sector and shaped to provide a jaw adapted to fit against one side of said frame part and to support the bracket from an overhead position in operative relation to the clutch pedal, a jaw complemental to the first jaw and adapted to fit against the opposite side of said frame part, means for clamping said jaws together for detachably securing the bracket to the interposed frame part, a lever pivoted on the bracket and having a latch connection at its operating end with the notched portion of the sector, and means connecting the operated end of the lever with the clutch pedal so as to operate the latter for disengaging the clutch by movement of the lever in one direction and permitting the clutch pedal to be independently operated for disengaging the clutch when said lever is in the clutch-engaged position.

1,509,639. DRAPERY HANGER FOR CASEMENT WINDOWS. JAMES J. CONDON, Robinsdale, Minn. Filed Mar. 6, 1922. Serial No. 541,317. 2 Claims. (Cl. 156—19.)



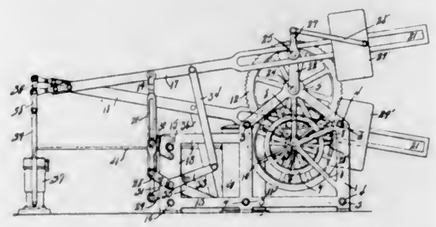
1. The combination with a window frame and a sash hinged horizontally thereon, of a cornice board correspondingly hinged on the frame and overreaching said sash, a rod on the inner side of the cornice board and a compensating bracket supplying a tie between the sash and cornice board and serving to support the free end of the latter, said bracket including an arm anchored at its lower end on the sash, also a block swiveled to turn horizontally on the upper end of said arm, said block having a bore therein for slidably receiving said rod, the horizontal pivoting of the block providing for free sliding movements of the same on the rod without the necessity of play between said parts.

1,509,640. CARD-SYSTEM FILING DEVICE. WILLIAM G. CONOVER, Philadelphia, Pa. Filed Apr. 11, 1919. Serial No. 289,220. 7 Claims. (Cl. 129—16.)



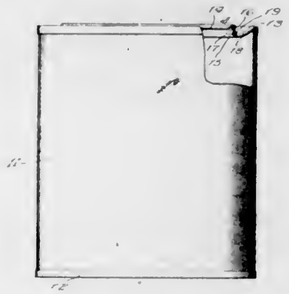
1. In a card system filing device, a journal for a card adapted to extend laterally therefrom and permit the card to be rotatable and slidable on its mounting, and a clip from which said journal extends, said clip being adapted to be attached to the card, said clip being formed with means which are adapted to penetrate the card and fix the clip thereto.

1,509,641. POWER JACK FOR COMPRESSORS AND THE LIKE. WILLIAM L. BAYTON, Fort Worth, Tex. Filed Sept. 19, 1922. Serial No. 589,107. 4 Claims. (Cl. 74—14.)



1. A power jack having a frame, a driven shaft journaled in said frame, a pair of fulcrums carried by said frame, a pair of walking beams mounted on said fulcrums and operatively connected together, a power transmitting shaft journaled in said frame, slidable weights mounted on said walking beams, cranks rigid with said power shaft and operatively connected to said weights, and gearing driven by said driven shaft for operating said cranks for actuating said walking beams and said weights.

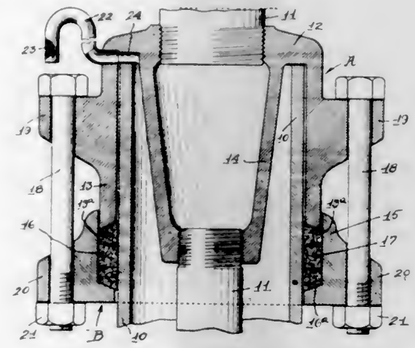
1,509,642. CONTAINER. JOHN PHILIP FLICK, Hamilton, Ohio, assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 3, 1921. Serial No. 512,464. Renewed Aug. 15, 1924. 6 Claims. (Cl. 220—42.)



1. A container, comprising a body, a top part provided with an annular channel and an upstanding interior flange, and a cap adapted to be secured upon said flange, said annular channel being provided with an upward identation 18 extending into said upstanding flange, and said cap being formed with a depending flange 16 which encounters said indentation on application of the cover.

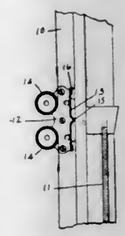
1,509,643. WELL CAP. L. ALBIN FORSBERG, Braham, Minn. Filed Apr. 20, 1923. Serial No. 633,426. 3 Claims. (Cl. 166—14.)

1. In a device of the class described, a cap comprising a head, a depending annular flange and a depending axial pipe coupling both integral with said head, said coupling reaching downward as far as the lower edge of said flange, a follower, a compressible sealing ring interposed between said flange and follower and means



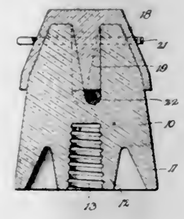
for clamping the cap and follower together to grip the ring between the same and against a casing to which the cap is applied.

1,509,644. DOUBLE ROLLER-SHADE AND SHIELD SUPPORTING BRACKET. WILLIAM H. FORSE, Jr., Anderson, Ind. Filed Jan. 16, 1922. Serial No. 529,464. 2 Claims. (Cl. 156—10.)



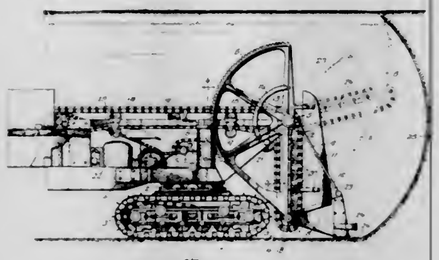
1. The combination with a plurality of roller shades, and a shield having flange means at one edge, of a plurality of shade supporting brackets having sockets for supporting said shades, a plurality of pairs of cooperating projecting portions on each bracket for detachably supporting the shield, and flange means thereon cooperating with said projecting portions for limiting the detachable movement.

1,509,645. INSULATOR. MARVIN J. FOSS, Faribault, Minn. Filed Feb. 2, 1922. Serial No. 533,619. 2 Claims. (Cl. 173—314.)



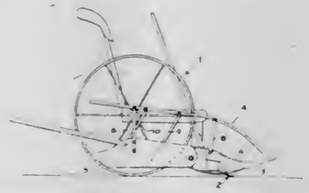
1. In an insulator, the combination of a body having a zig-zag wire receiving slot therein, and a cap for the body having a zig-zag rib fitting in said slot for limiting a wire against displacement from the slot.

1,509,646. TRENCH AND TUNNEL EXCAVATOR. JAMES C. FRENCH, Cleveland, Ohio, assignor, by mesne assignments, to E. C. Austin Machinery Company, a Corporation of Illinois. Filed May 15, 1918, Serial No. 234,072. Renewed Aug. 15, 1924. 12 Claims. (Cl. 214—90.)



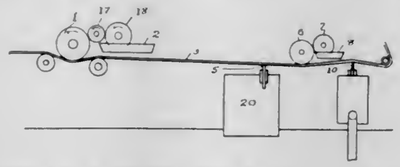
1. In an excavator, the combination of a body, a segment mounted to oscillate about a horizontally disposed axis on the front end of said body, a pinion on the body to operate the segment, a scoop pivoted on the segment to tilt toward and away from said axis, an endless conveyer, means on the body to support one portion of said conveyer, means on the segment to support the other portion of the conveyer, so that the conveyer will carry away the discharge from the scoop, a connection on the body to operate said conveyer, a truck having traction devices, and a turn table to support said body on said truck, so that said scoop is movable back and forth sidewise while in operation.

1,509,647. ATTACHMENT FOR MOWING MACHINES. CHRIS P. GEORGE, San Luis Obispo, Calif. Filed Sept. 30, 1922. Serial No. 591,622. 1 Claim. (Cl. 56—320.)



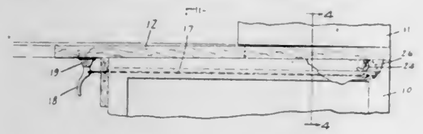
The combination of a mowing machine having a cutting device extending outwardly therefrom and provided with a mould board extending rearwardly from the outer end of the cutting device, of a guide member extending in substantially parallel relation to and well above the mould board and with its forward end disposed downwardly and in front of the cutting device, means for connecting the guide member with the cutting device and means of connection between the mould board and cutting device, and deflecting arms extending downwardly and inwardly from the guide member.

1,509,648. ART OF DE-INKING PLATE PRESS WIPERS. CHARLES J. GUTHERLET, Philadelphia, Pa. Filed June 2, 1923. Serial No. 642,991. 3 Claims. (Cl. 101—168.)



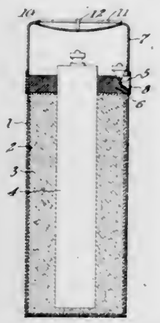
1. The art of removing from the porous wiper of a plate press the accumulated ink, which consists in oiling the back face of the wiper substantially without oiling the front face thereof until the wiper becomes permeated with oil and then removing the ink from the front face of the wiper mechanically.

1,509,649. AUTOMATIC LOCKING TABLE TOP FOR KITCHEN CABINETS OR THE LIKE. JACOB P. HAMEETMAN, Frankfort, Ind. Filed July 14, 1922. Serial No. 574,986. 1 Claim. (Cl. 45—16.)



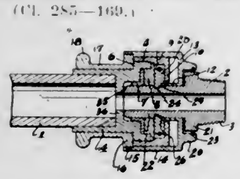
A releasable latching construction for two relatively movable and slidably supported members, comprising a transversely extending rod carried by one of said members and having its ends bent to form arcuate portions adapted to engage the other member, and a crank portion intermediate said arcuate portions and integral with said rod for rocking said arcuate portions into operative engagement with the other member.

1,509,650. HERMETICALLY SEALED DRY CELL. GEORGE W. HEISE, Elmhurst, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed June 30, 1921. Serial No. 481,715. 9 Claims. (Cl. 201—88.)



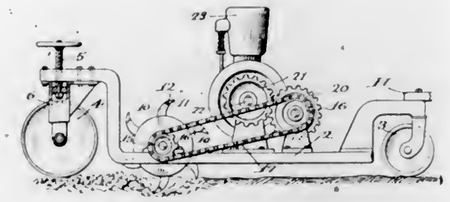
1. A dry cell containing a material capable of reacting chemically with a substance in said cell to produce a reduction of pressure in said cell.

1,509,651. COUPLING. WILLIAM CARL IETTGEN, Los Angeles, Calif. Filed June 2, 1920. Serial No. 385,965. 8 Claims. (Cl. 285—169.)



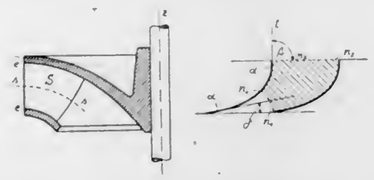
1. A coupling comprising a member having a socket and engaging means carried by said member and yieldably urged outwardly into said socket, a collar slidable upon said member and extending over the end of said socket with a sleeve extending rearwardly within said socket and arranged to engage said engaging means so as to retract the latter within said socket by longitudinal rearward movement of said collar upon said member, and a second member received within said socket and having a groove adapted to be engaged by said engaging means.

1,509,652. SOIL PULVERIZER. JOHN HAMPTON JOHNSON, Imperial, Calif. Filed July 27, 1923. Serial No. 654,161. 2 Claims. (Cl. 97—215.)



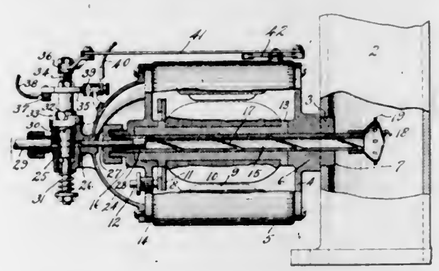
1. In a pulverizer, a rotary instrument comprising radial teeth, discs having recessed sides to receive the teeth, a driving axle extending through the discs, and means for holding the discs upon the axle to hold the teeth.

1,509,653. RUNNER WHEEL FOR TURBINES, ETC. VICTOR KAPLAN, Brunn, Czechoslovakia. Filed Sept. 1, 1921. Serial No. 497,746. 1 Claim. (Cl. 253—96.)



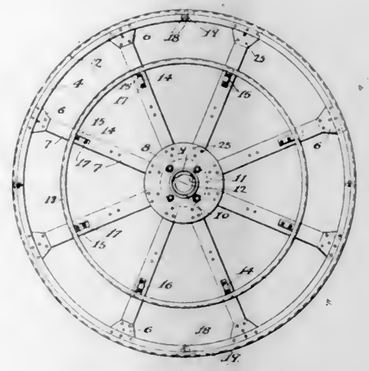
In a runner for water turbines, centrifugal pumps and the like, blades so shaped that the inlet or outlet angle for the greater part of the blade surface is less than $\frac{1}{4}$th of the outlet and inlet angle respectively, measured on the appertaining stream-lines, and that the total blade area is less than $1\frac{1}{2}$ times the area of the surface of revolution generated by the rotation of the runner inlet or outlet edge around the runner axis.

1,509,654. PRIMER. GLEN L. KARR, Royal Oak, Mich., assignor of one-third to Charles L. Butterfield and one-third to Jonas Sawdon, both of Grand Ledge, Mich. Filed Aug. 7, 1922. Serial No. 580,105. 11 Claims. (Cl. 123—187.5.)



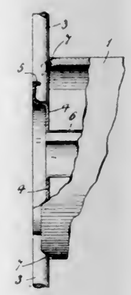
1. In a priming device for an internal combustion engine, an intake manifold, an atomizing head in said intake manifold, a motor for revolving said atomizing head, and fuel supply means to said head extending axially of said motor.

1,509,655. BAND WHEEL. OTTO B. KIBELE, Los Angeles, and JOHN T. SCOTT, Sierra Madre Camp, Calif. Filed May 10, 1923. Serial No. 637,949. 2 Claims. (Cl. 64—17.)



1. In a band wheel, a rim formed of a plurality of sections of channel iron each having an arcuate form and provided with inclined, channel-forming flanges, the inwardly inclined flanges thereof being secured together to reinforce the crown of a wheel having a central, circumferential, reinforcing fin formed of the inclined flanges secured together.

1,509,656. WIRE REEL. LAURENCE S. LACHMAN and EDWARD FELDA, New York, N. Y. Filed Feb. 28, 1922. Serial No. 539,900. 9 Claims. (Cl. 242—70.)



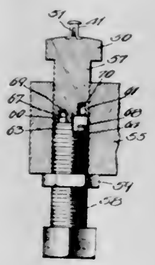
2. A metal reel comprising a drum, a hub disk or plate, wire spoke elements and wire rim, said spoke elements welded to said rim and welded at the center to the inside of the hub disk and cross welded to the outer edge of said drum.

1,509,657. TOWEL RACK. MAURICE LACHMAN, New York, N. Y. Filed Feb. 2, 1923. Serial No. 616,492. 4 Claims. (Cl. 45—32.)



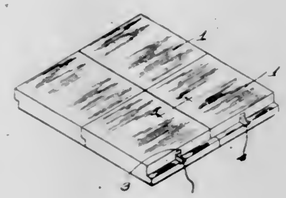
1. A towel rack bar the upper or towel supporting side of which has a longitudinally extending edge or corner forming a part of a helical curve around the longitudinal axis of the bar, the ends of said bar being fixed against rotation.

1,509,658. RELINING DEVICE FOR BRAKE BANDS AND THE LIKE. JAMES R. LEWIS, Chicago, Ill., assignor, by mesne assignments, to Inland Accessories Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1920. Serial No. 414,322. 2 Claims. (Cl. 218—3.)



2. In a tool of the class described, the combination of a base having a hole therein adapted to receive the stem of an anvil, an anvil having a stem projecting loosely into said hole, an adjusting screw in the base coaxial with said hole, the end of the screw having a step construction providing a projection on one side thereof, the stem of the anvil having a step construction including a projection on one side thereof, the two step constructions substantially interfitting with each other with said projections side by side, the arrangement being such that by partially withdrawing the stem of the anvil and turning it on its axis the projections will abut each other end to end.

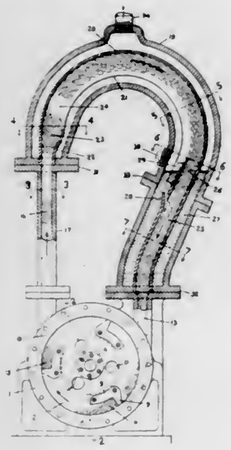
1,509,659. PAVING BLOCKS. MILO V. LUCHICH and LAWRENCE OSTERMAN, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,003. 2 Claims. (Cl. 94—13.)



1. A pavement, comprising a plurality of rabbeted blocks, each having hooked members projecting from the rabbets thereof and in the plane of the blocks, the hooks of each block adapted to interengage those of adjacent blocks to lock the same against separation in the plane of the pavement.

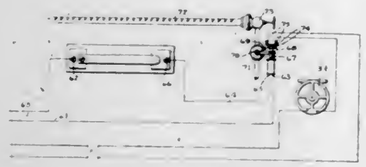
1,509,660. AIR COMPRESSOR AND SEPARATOR. GEORGE MCKERAHAN, Erie, Pa. Filed Aug. 13, 1923. Serial No. 657,161. 7 Claims. (Cl. 230—14.)

1. In a fluid separator for use with air compressors using liquid pistons, or for other purposes, a longitudinally curved conduit into which the fluids are discharged; a receiver inclosing or forming part of said conduit; an opening or openings on the radially inner side, with respect to its longitudinal curvature, of said conduit through which the lighter fluid is delivered to the receiver; a pipe connected to the discharge end of said conduit and leading to the exterior of the inclosing receiver; a throat at the junction of said conduit and pipe, said throat being adapted to be always completely filled by the inflowing stream of heavier fluid and thus closed against entrance of the lighter fluid; a body of the heavier fluid stored in



the aforesaid receiver; an inlet below the surface of the stored fluid connecting this fluid with the interior of the said pipe; and a pipe leading from the receiver for conveying away the lighter fluid.

1,509,661. IRONING MACHINE. LEO POTTER, New York, N. Y., and ROBERT J. MONTERE, Newark, N. J.; said Montere assignor to said Potter. Filed Aug. 25, 1921. Serial No. 495,336. 15 Claims. (Cl. 68—9.)



1. In an ironing machine, a feeding element, driving means therefor, a heating element adapted to coact with the feeding element to iron the material and means for automatically stopping the feed of the material when the heating element reaches a predetermined temperature.

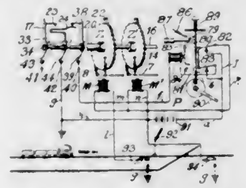
1,509,662. POSTAL CARD. FRANK ELWOOD BARNETT, Tampico, Mexico. Filed July 7, 1922. Serial No. 573,273. 3 Claims. (Cl. 282—27.)

1. A card board blank having a space at the top for printing, and a transverse line of perforations at the lower edge of the space, a copy sheet secured at its top edge to the rear side of the blank at the top for use in a type-writing machine, after a carbon sheet has been placed between the blank and copy sheet, that portion of the blank below the perforations being adapted to receive the writing and to be torn off along the line of perforations to constitute the postal card, the said portion of the blank being divided by a transverse crease line into an address-receiving flap, and a message-receiving card, the opposite face of which has printed thereon the required indicia to show that it is a postal card, whereby upon separating the blank at the line of perforations the top portion of the blank carries the copy sheet and acts as a holder and



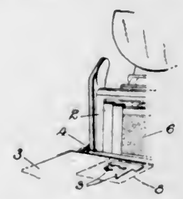
stiffener for the latter to facilitate filing the same away, while the address-receiving flap may be folded and secured against that face of the message-receiving portion below the said postal card indicia.

1,509,663. RAILWAY TRAIN-PROTECTION SYSTEM. GISBERT L. BOSSARD, Amsterdam, N. Y., and Rudolf Zangg, Bern, Switzerland, assignors, by direct and mesne assignments, to Bossard Railway Signal Corporation, Troy, N. Y. Filed Aug. 7, 1919. Serial No. 315,885. 7 Claims. (Cl. 246—78.)



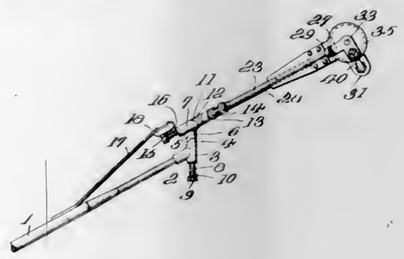
5. In a train-protection system and in combination, a track; a pair of indicators each having an index, said indexes being of similar shape, differently colored and concentrically rotatively mounted; means whereby movements of the same degree are imparted to the respective indexes by the passage of the same car-unit over successive portions of the track; and means for controlling a train on the track operable only when said indexes are initially in alinement.

1,509,664. COLOR PRINTING. GEORGE H. BROWN, Cambridge, Mass. Filed Apr. 12, 1922. Serial No. 551,848. 8 Claims. (Cl. 101—426.)



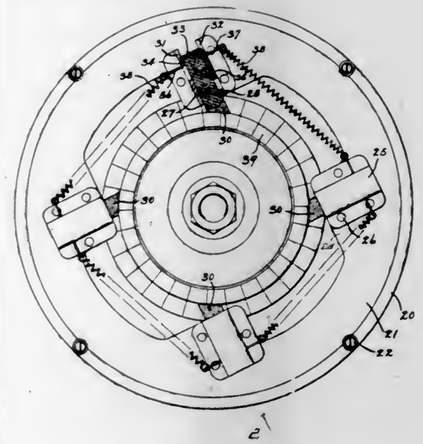
1. That improvement in the art of printing which consists in applying ink to a surface covered with particles of sharp sand, and then pressing the portion of the sheet which is to receive the ink against said particles.

1,509,665. CURRENT COLLECTOR. CYRUS B. BUCHANAN and CHARLES C. JOHNSON, Richmond, Va. Filed Aug. 1, 1921. Serial No. 488,986. 6 Claims. (Cl. 191—57.)



1. A trolley comprising a pole, a head adapted to swing in a vertical and horizontal plane, two shafts mounted in the head and insulated from each other, a trolley wheel mounted on each shaft and longitudinally movable thereon and spring means for holding the wheels normally a predetermined distance apart.

1,509,666. ELECTRICAL APPARATUS. JOHN G. CAMPBELL, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed July 30, 1923. Serial No. 654,504. 7 Claims. (Cl. 171—324.)

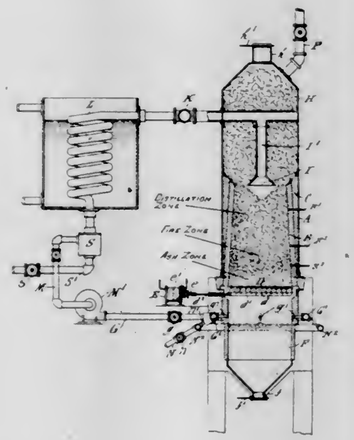


2. A brush rigging comprising in combination, a brush, a brush holder for slidably supporting the brush, said brush holder having a brush supporting wall engaged by one side of the brush; and means for yieldingly maintaining the brush in engagement with said wall, said means including springs connected with the brush and extending in diverging relations from the brush.

1,509,667. METHOD AND APPARATUS FOR DISTILLATION OF CARBONACEOUS MATERIAL. ROBERT M. CATLIN, Franklin, N. J., assignor to Catlin Shale Products Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 17, 1921. Serial No. 492,885. 8 Claims. (Cl. 202—14.)

1. The process of distilling carbonaceous material containing a volatilizable portion and a combustible solid portion, which comprises feeding such material in a descending column, maintaining a zone of combustion at the lower part of the column by supplying a pre-

formed incombustible mixture of air and incombustible gas to the lower part of said combustion zone, regulating the quantity of said air-gas mixture to maintain a distillation zone above the combustion zone, regulating the proportions of said air-gas mixture to prevent combustion in said distillation zone, leading off the evolved gases and



vapors from the column above the distillation zone, separately obtaining from said evolved gases and vapors, the condensible portions thereof and also a supply of incombustible gas, and using said incombustible gas to form the incombustible air-gas mixture for subsequent distillation of carbonaceous material such as described.

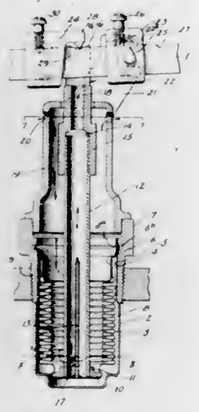
1,509,668. INSULATING UNIT FOR RAIL JOINTS. CLARKSON A. DISBROW, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Mar. 11, 1924. Serial No. 698,495. 12 Claims. (Cl. 238—159.)



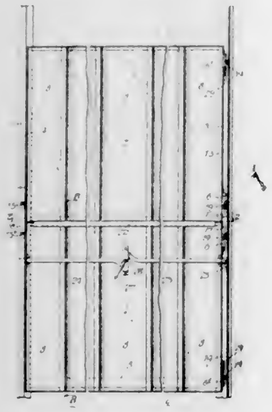
1. An insulating unit for rail joints having a removable wear section temporarily secured to the main body portion of the unit.

1,509,669. REGULATOR. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 4, 1921. Serial No. 442,533. 12 Claims. (Cl. 236—26.)

9. In a regulator, the combination of an annular support, a thermosensitive member comprising outer and inner concentric cylinders spaced from each other, the inner cylinder being corrugated to permit longitudinal expansion and contraction, said cylinders being closed at one end, means annularly connecting the cylinders at their opposite ends to form a closed chamber between the same, means whereby said last-named means connects both said cylinders with said support, a closure member on the support and closing the internal chamber of the inner cylinder, a power-transmitting member connected operatively to the closed end of the inner cylinder and located in the internal chamber thereof, and means for circulating a cooling medium through said internal chamber and power-transmitting member.

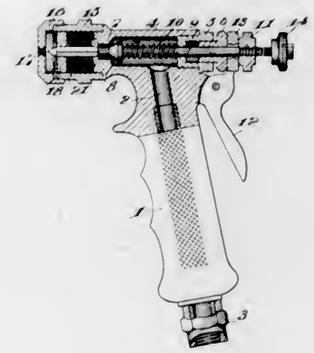


1,509,670. ELEVATOR DOOR. ADAM FISCHER, Chicago, Ill., assignor to Guaranty Iron & Steel Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1920. Serial No. 428,652. 3 Claims. (Cl. 20—19.)



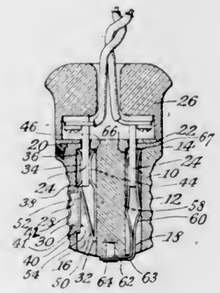
1. An elevator door, comprising two sections vertically shiftable in opposite directions into and out of position to close an opening, guideways for said door sections, said guideways adjacent to the middle thereof and the lower end of the opening being inclined downwardly and outwardly and adjacent to the middle and the upper end of the opening being inclined upwardly and outwardly, and cam blocks at the corners of said door sections adapted to fit within said guideways for directing the vertical movement of said door sections, said cam blocks having the ends thereof inclined to coact with the inclined parts of said guideways for moving said door sections bodily transversely to the plane of shifting as said door sections are moved into and out of their respective positions to close said opening.

1,509,671. PAINT GUN. GRANT C. FISH and ALFRED H. CUMMINGS, Chico, Calif. Filed Apr. 17, 1922. Serial No. 553,517. 3 Claims. (Cl. 299—118.)



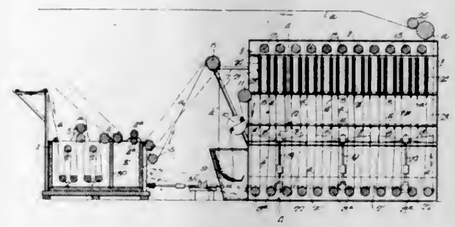
1. A spray-gun comprising a handle with a duct, adapted for connection with a source of liquid supply; a barrel carried by the handle, in communication with said duct and provided with a discharge opening; a valve for controlling said discharge opening; means for moving said valve to and from said opening; an apertured nozzle tip carried by the barrel in communication with the discharge opening thereof; an adjustable spraying member within said tip; and a connection between said valve and said spraying member to adjust said member by a movement of the valve independently of its movement to control said opening.

1,509,672. ATTACHMENT PLUG. ARTHUR C. GAYNOR, Stratford, Conn. Filed Mar. 4, 1922. Serial No. 541,031. 8 Claims. (Cl. 173—343.)



1. A device of the kind described which comprises a body of insulating material having a screwthreaded portion adapted to fit a socket, cavities extending through said body of insulating material, one of said cavities having a side passage to said threaded portion and separable spring members in said passage adapted to resiliently engage a blade member inserted into said passage and one of said members having a face resiliently mounted in said side passage and forming an outwardly pressed member adapted to engage the side of the socket and hold the body of insulating material in position.

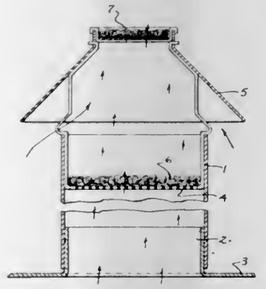
1,509,673. ROLLER CLOTH CARBONIZER. EDGAR B. KERST, Providence, R. I., and HERMANN BOGATY, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 27, 1922. Serial No. 590,947. 6 Claims. (Cl. 8—12.)



3. The combination in a cloth carbonizer of the roller type, of a casing enclosing a drying chamber and a carbonizing chamber; a heating chamber at one side of said chambers and connected thereto; a circulating fan in the heating chamber; a series of upper rolls and a series of lower rolls in the heating and carbonizing chambers; and a series of vertically arranged baffles for protecting the edge of the cloth, said baffles being V-shaped and located at the point where air in circulation enters the drying and carbonizing chambers.

4. The combination in a cloth carbonizer of the roller type, of a casing enclosing a drying chamber and a carbonizing chamber; means for circulating heated air in said chambers; a series of upper cloth rolls and a series of lower cloth rolls in the drying and carbonizing chambers; and spreaders in advance of each roll for spreading the cloth before it passes around the rolls.

1,509,674. CONSUMER OF FLUE IMPURITIES. MANEMILEAN E. KOEHLER, Washington, D. C., assignor, by mesne assignments, to Gas & Electric Appliance Corporation, a Corporation of Maryland. Filed Mar. 29, 1923. Serial No. 628,536. 6 Claims. (Cl. 183—6.)

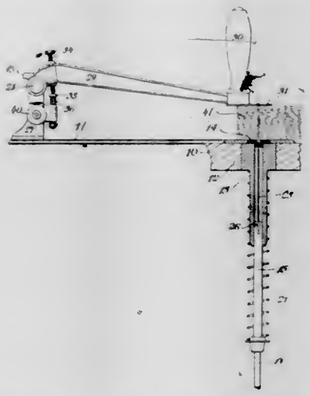


1. The method of eliminating soot and grease from cooking vapors which comprises leading said vapors through a flue containing metal wool to separate out and consume the soot and grease by slow combustion.

1,509,675. GARMENT-MARKING MACHINE. FREDERICK M. LASERSON, Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-half to Lawrence M. Stein, Chicago, Ill., and one-half to Wade Stevenson, Buffalo, N. Y. Filed Aug. 25, 1920. Serial No. 406,010. 9 Claims. (Cl. 112—2.)

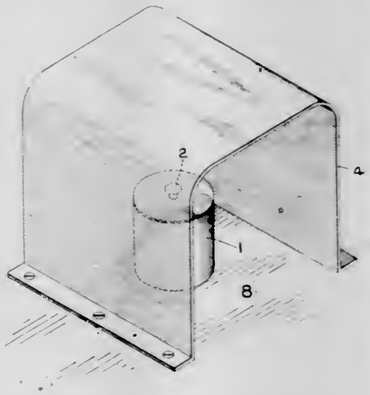
1. In a garment marking machine the combination with a horizontally disposed work support having a needle opening, of a needle mounted below the work sup-

port to reciprocate in a vertical plane and to move upwardly through said opening and to penetrate said work,



and a manually controlled device cooperating with the work support to clamp the work therebetween during the upward movement of the needle.

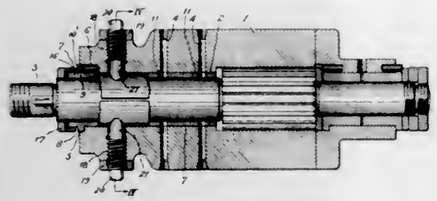
1,509,676. FOOT-ACTUATED CIRCUIT-CONTROLLING DEVICE. RUBEN B. LAWRENCE, Bellevue, Pa., assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed June 21, 1922. Serial No. 569,823. 7 Claims. (Cl. 74—81.)



1. A foot actuated circuit controlling device adapted to be operated by the foot of a user normally standing in a substantially definite position relative to the device, and a protective means which requires the turning of the user's foot to an unnatural position to operate the device, substantially as described.

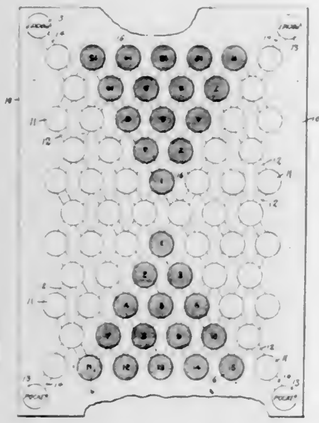
1,509,677. ADJUSTABLE BEARING. ERNEST J. LEES, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 23, 1919. Serial No. 299,215. 3 Claims. (Cl. 64—35.)

1. In a device of the character described, the combination with a support formed with a cylindrical bore and an opening leading through the wall of the support into said bore, of a bushing of cylindrical shape from end to end, the body portion of said bushing being formed with a pair of slits extending in a substantially circumferential direction and a longitudinally extending slit connected at its ends with said circumferential slits to provide an adjustable flexible section in the body portion of said bushing and continuous unbroken end sec-



tions fitting the wall of said bore, and means extending through said opening in the support to engage with and adjust said flexible section relative to said end sections of said bushing.

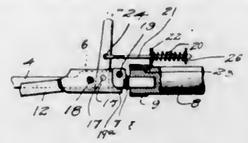
1,509,678. GAME. JOHN F. MACPHERSON and WILLIAM E. COTTRILL, Butler, Pa. Filed Apr. 14, 1922. Serial No. 552,665. 1 Claim. (Cl. 46—64.)



A game apparatus consisting of, a support forming a playing surface provided with conventional means to constitute a series of transversely extending spaced rows of spaced circular spaces, the number of the spaces in each alternate row being less than the number of spaces of the other rows and with each space of an alternate row opposing a pair of spaces of adjacent rows whereby these latter rows will project beyond each end of an alternate row, conventional means on said playing surface to constitute diagonally disposed paths extending in opposite directions and intersected by said spaces and further intersecting each other through said spaces, conventional means on said playing surface to constitute a pair of goals spaced from each outer row of open spaces, two pairs of said paths being of greater length than the other paths and projecting beyond said outer rows of spaces and each terminating at its projected end in a goal, and two differently colored sets of playing pieces traversing said paths.

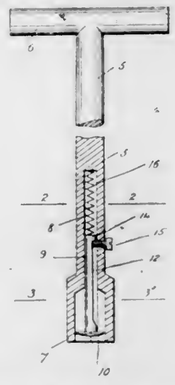
1,509,679. RAKE CLEANER. CHARLES C. MATTOX, Rockbridge, Ohio. Filed June 13, 1919. Serial No. 303,985. 2 Claims. (Cl. 55—146.)

1. A rake having a stripping plate, arms extending rearwardly from said plate, a U-shaped coupling, an upstanding arm rigid with said coupling having its lower portion disposed between the side walls of the coupling, the rear ends of said arms being disposed between the side walls of the coupling contiguous with



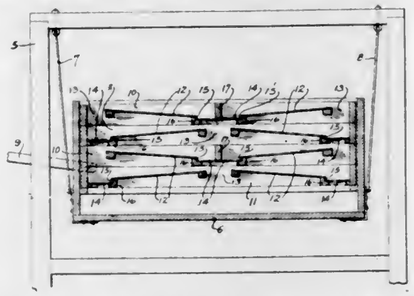
the upstanding arm and with the bottom wall of the coupling, and a retaining element passing through said coupling and first mentioned arms.

1,509,680. WRENCH. JAMES H. MEEK, Argos, Ind., assignor of one-half to William D. Smiley, Argos, Ind. Filed Feb. 1, 1924. Serial No. 689,874. 1 Claim. (Cl. 81—121.)



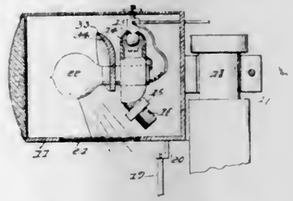
A wrench, comprising a stem having a box at one end for engaging with a nut, said stem having also a spring chamber of less width than the box arranged axially in line with it and having a screwthreaded hole in one side, an ejector for the nut having a head at its outer end which slides in the said box, said ejector having a shank which is slidable in the spring chamber and which is cut away on one side to form a stop at its inner end, a screw engaging with the said hole and operating to retain the head in the box, and an ejecting spring arranged between the inner end of the shank and the end of the spring chamber.

1,509,681. ORE CONCENTRATOR. WALTER EVERETT MENDENHALL, Moab, Utah, assignor to The Union Metals Extraction Company, Lake City, Colo., a Corporation of Colorado. Filed Mar. 23, 1923. Serial No. 627,153. 5 Claims. (Cl. 83—88.)



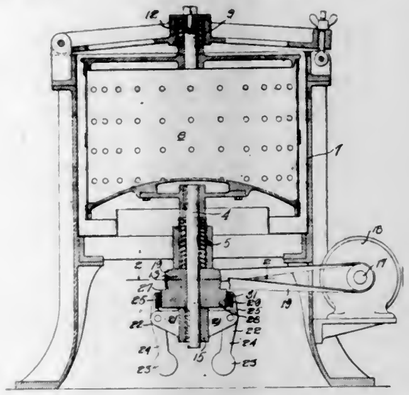
1. In an ore concentrator, a box mounted for longitudinal oscillation and having a series of trays arranged one above the other, each tray having a floor with an elevated outlet extending transversely across the tray, the floor being inclined downwardly from said outlet and having a level depressed portion connected by a vertical strip with the lower edge of the inclined portion.

1,509,682. HEADLIGHT. VENCESLAUS F. MIKOLASEK, Lankin, N. Dak. Filed Apr. 1, 1920. Serial No. 370,490. 2 Claims. (Cl. 240—41.)



2. In a headlight, the combination with a stationary forwardly directed casing provided with a lens, of a fulcrum contained in said casing, a member suspended upon said fulcrum and provided with a rearwardly directed arm and carrying a forwardly directed lighting unit, and counterbalancing means on said arm to maintain the member perpendicularly suspended from the fulcrum whereby, as the casing is directed downwardly or upwardly according to the inequalities of the roadway, the light rays from the lighting unit may be directed downwardly or upwardly.

1,509,683. DRIVING CONNECTING MEANS. RALPH M. MILLER, Oakland, Calif. Filed Dec. 24, 1919. Serial No. 347,170. 1 Claim. (Cl. 192—105.)

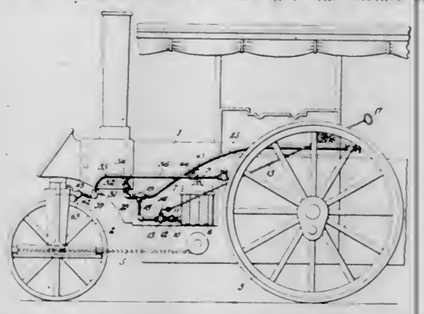


In a device of the character described, a vertically disposed driven shaft, a driving element mounted for rotation on said shaft and having a cylindrical outer face, a plurality of levers pivotally supported on said driven shaft and having one arm weighted in excess of the other, friction shoes on the other arms of said levers normally held in engagement with the cylindrical surface of said driving element whereby said driven element is caused to obtain the speed of the driving element gradually and from a substantially relatively stationary condition upon the rotation of said element.

1,509,684. OILING DEVICE FOR ROAD ROLLERS. DANIEL SHAW MONROE, Portland, Oreg. Filed Jan. 18, 1922. Serial No. 530,212. 7 Claims. (Cl. 94—50.)

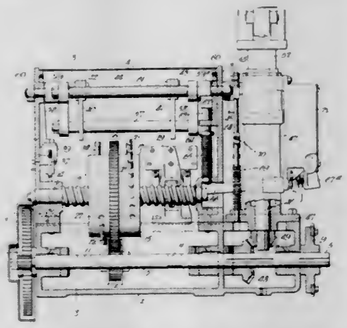
1. In a road roller provided with a steam generator, an oiling device for the pressure roller, comprising an oil reservoir, an ejector, pipes connecting the ejector with the steam generator and the oil reservoir, a discharge con-

duit connected to the ejector, spraying means connected to the discharge conduit and leading to the surface of a



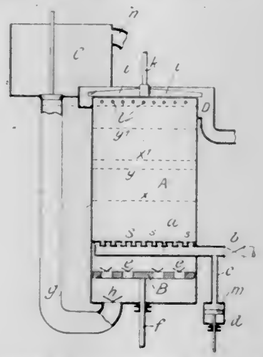
roller, and means for controlling the flow of steam to the ejector and thereby controlling the discharge of the oil from the spraying means.

1,509,685. LIMIT DEVICE FOR HOISTING MACHINES. ROSCOE MOORE, Wilkes-Barre, Pa. Filed Nov. 29, 1919. Serial No. 341,438. 16 Claims. (Cl. 192—142.)



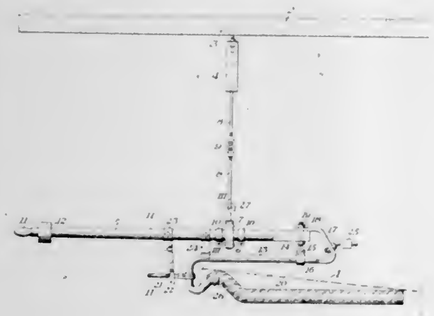
1. A limit device consisting of a drum driven from a machine to be controlled; a series of pins longitudinally adjustable and helically arranged on said drum; speed responsive mechanism including an element mounted to cooperate with said pins; and a switch controlled by said mechanism.

1,509,686. METHOD FOR THE LIXIVIATION OF MATERIALS. EINAR MORTERUD, Torderod, near Moss, Norway. Filed Dec. 6, 1923. Serial No. 679,041. 8 Claims. (Cl. 23—31.)



1. In a process of lixiviation of materials in a vessel provided with a screen covering its whole cross sectional area and where periods of feeding alternate with periods of lixiviation, the method which consists in introducing the material into the space above the screen from the underside of the screening surface through openings in the screening surface for the purpose of obtaining a mixture of the same consistency above the whole of the screening surface, and of removing the solid deposits on the screening surface by means of the new material introduced through the same.

1,509,687. APPARATUS AND METHOD FOR TRANSFERRING GLASS CYLINDERS. JOHN MURPHY, Hartford City, Ind., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed July 26, 1920. Serial No. 398,901. Renewed Jan. 2, 1923. 21 Claims. (Cl. 214—1.)



1. A carrying device for glass cylinders comprising an overhead track, a carrier arm flexibly suspended from said track to travel thereon, and a supporting arm mounted on the carrier and mounted for horizontal and vertical movement relative to said carrier and being adapted for endwise insertion into a glass cylinder, substantially as described.

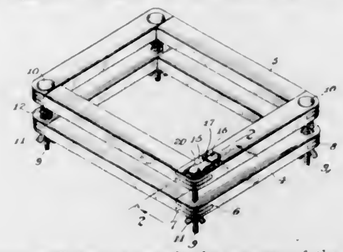
4. A carrying device for glass cylinders, comprising an overhead track, a carrier arm flexibly suspended from said track to travel thereon, said carrier being mounted for horizontal turning movement on its suspension, and a supporting member mounted for horizontal and limited vertical movement independent of said carrier and having a free end adapted to engage a glass cylinder, substantially as described.

1,509,688. RECOVERY OF ARSENIC. CHARLES L. PARSONS, Hawkinsville, Ga., and HARRY P. BASSETT, Philadelphia, Pa.; said Bassett assignor to said Parsons. Filed Aug. 13, 1923. Serial No. 657,265. 8 Claims. (Cl. 23—13.)

1. In the treatment of arsenical metallurgical dusts and fumes containing water soluble arsenic compounds for the separation of arsenic from residual metal values, the process which comprises leaching the material with hot water to remove water-soluble compounds therefrom and extracting the residue with a hot solution containing alkali in about the amount required to give a di-alkali metal compound with oxids of arsenic present in such residue.

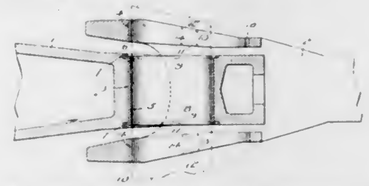
1,509,689. PRESS FOR TENNIS RACKETS AND THE LIKE. WILLIAM F. REACH, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Dec. 24, 1923. Serial No. 682,387. 4 Claims. (Cl. 46—24.)

1. In a press, co-operating frames, means to connect said frames, one of said frames being formed with an aperture, a bolt passing through said aperture and having a head of greater diameter than the diameter of the aperture, said co-operating frame being formed with an aperture in register with said first mentioned aperture and of



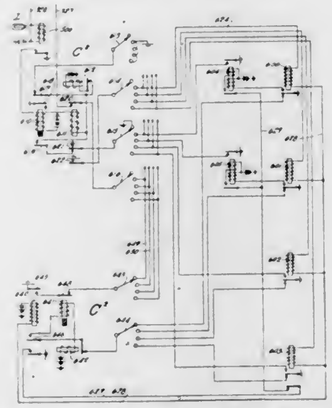
a diameter sufficient to permit the passage of the head of the bolt and means carried with said second mentioned frame to engage the bolt.

1,509,690. RAILWAY DRAFT APPLIANCE. WILLIAM J. REGAN, Wilkinsburg, and ENOCH GEORGE, Jr., Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,267. 5 Claims. (Cl. 213—69.)



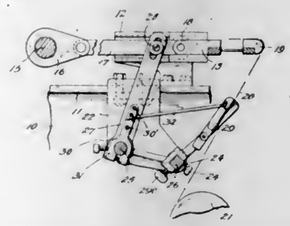
1. In a railway draft appliance, the combination with a draft member having a slot adapted to receive a key forming an element of the draft appliance, of a continuous unitary bushing mounted on said draft member and extending into the slot thereof, said bushing being provided with means adapted to engage said draft member to maintain said bushing in assembled position, and said bushing being adapted to be bent to cause said means to assume assembled position.

1,509,691. MULTIOFFICE TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Original application filed July 19, 1920, Serial No. 397,322. Divided and this application filed Dec. 3, 1923. Serial No. 678,193. 7 Claims. (Cl. 179—27.)



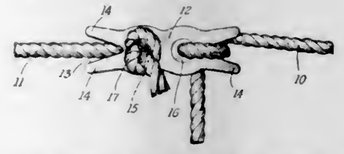
1. In a telephone system, a plurality of register sets at the exchange accessible to calling automatic subscribers for registering called telephone numbers, an indicating device common to said register sets for indicating registered numbers to an operator, and a consecution controller comprising an automatic step by step switch for switching registered calls on to said indicating device one at a time.

1,509,692. SHEAR ATTACHMENT FOR FLAT-KNITTING MACHINES. HERMAN P. RUF, New York, N. Y. Filed Oct. 30, 1923. Serial No. 671,663. 4 Claims. (Cl. 66—9.)



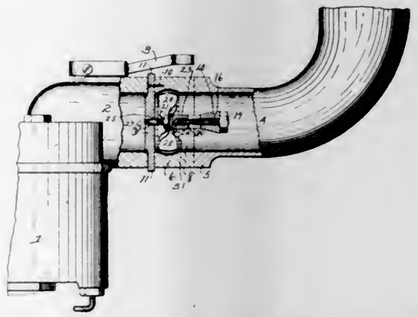
1. The combination with a flat knitting machine comprising a reciprocating needle bar and means to reciprocate the needle bar including a rotating shaft, of a shear attachment located beyond the knitting mechanism, and actuating means for the shear attachment operated from and synchronously with the operation of the means for reciprocating the needle bar.

1,509,693. CLOTHESLINE FASTENER. RICHARD SCHORR, Newark, N. J. Filed Sept. 26, 1923. Serial No. 664,843. 2 Claims. (Cl. 24—129.)



1. A cord fastener comprising an elongated rectangular metallic plate having openings through the main portion thereof adapted to permit the passage of a cord, and having recesses in its ends suited to engage and bite a cord entered therein from either side of the plate, said recesses being convergently inclined to present projections having well rounded edges.

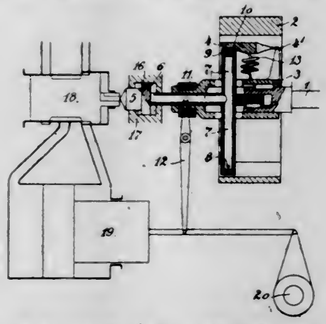
1,509,694. MIXER FOR CARBURETOR OUTLETS. CHARLES N. SILVER, Milwaukee, Wis. Filed July 21, 1919. Serial No. 312,124. 2 Claims. (Cl. 48—180.)



1. In an auxiliary fuel mixer for an internal combustion engine having a carburetor and intake manifold, the combination with an apertured fitting adapted to be secured between the carburetor outlet duct and intake manifold to constitute a continuation thereof, said fit-

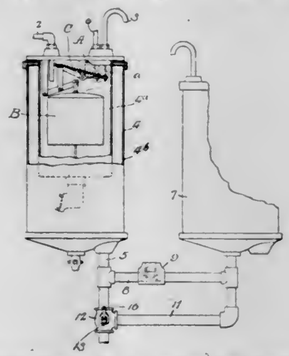
ting being provided at one end with diametrically opposed, radially extending slots; of a cross bar integrally connected with the fitting at the other end thereof, said cross bar spanning the aperture and extending transversely thereof; a second cross bar extending across the aperture and seated in said slots, said second cross bar being provided with a conical hole concentric with the aperture; a laterally extending pin on the second cross bar adapted to engage the fitting and retain the cross bar in position; a rotary fan member having at one end an adjustable bearing connection with the first mentioned cross bar; and a conical bearing member on the other end of said rotary fan member extending into the conical hole in the second cross bar.

1,509,695. APPARATUS FOR GOVERNING PRIME MOVERS. EDOUARD VOLET, Geneva, Switzerland, assignor of one-half to Ateliers des Charmilles, Société Anonyme, Geneva, Switzerland. Filed Aug. 26, 1922. Serial No. 584,583. 10 Claims. (Cl. 121—42.)



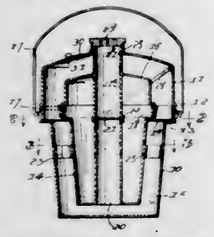
1. In an apparatus of the class described, the combination with a relay, a servo-motor and devices for controlling the admission of a motive fluid to a prime mover of a shaft, a fly wheel mounted on the shaft, a fluid conductor leading from the relay and connected to and revoluble with the said shaft, and a weight member carried by the shaft and adapted to control the flow of a fluid through an opening in the said conductor.

1,509,696. VACUUM-FEED FUEL-RESERVE DEVICE. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 5, 1922. Serial No. 558,753. 3 Claims. (Cl. 158—46.5)



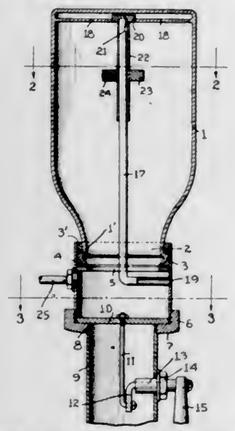
1. In combination with a vacuum fuel feeding device which comprises a bi-cameral receptacle having a primal chamber which has suction connection, fuel supply connection and atmosphere inlet, and which discharges by gravity into the secondary chamber; a second receptacle whose chamber is connected with the secondary chamber of the first receptacle; a one-way seating valve in the communication between said two receptacles opening for delivery of liquid into said second receptacle; a conduit in common to the two receptacles for their delivery to the carbureter; connections from said conduit-in-common, leading back toward the receptacles respectively for connection therewith at the same outlet at which the two chambers are connected for delivery from the first into the second, and means in the conduit mentioned operable at will alternatively for (a) cutting off both receptacles from the carbureter, (b) cutting off the first receptacle from the carbureter, leaving the second connected for delivery thereto, or (c) cutting off the second receptacle leaving the first connected for delivery thereto.

1,509,697. CULINARY VESSEL. SARAH K. ALLISON, Macomb, Ill. Filed Jan. 18, 1922. Serial No. 530,094. 1 Claim. (Cl. 53—2.)



A double boiler comprising inner and outer receptacles, the former being supported in spaced relation within the latter, a circulating drum rising from the bottom of the inner receptacle with its lower end open and communicating with the outer receptacle and provided with a perforated upper end, separately removable covers respectively for said inner and outer receptacles, the outer cover having an opening the inner cover having a depending circulating drum having a telescopical fitting engagement with the upper perforated end of the first drum, the drum on the inner cover extending upwardly beyond the inner cover and having a fitting engagement with and through the opening in the outer cover, and a perforated plug closing the outer cover and the extension drum.

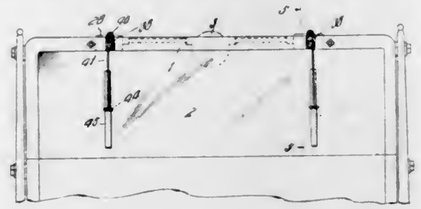
1,509,698. STORAGE TANK. JOHN F. ANDERSON, San Francisco, Calif. Filed Dec. 13, 1923. Serial No. 680,477. 8 Claims. (Cl. 4—26.)



1. A flushing tank having an air vent pipe extending longitudinally of the tank and opening to the atmosphere at the lower end of said tank, said air vent pipe

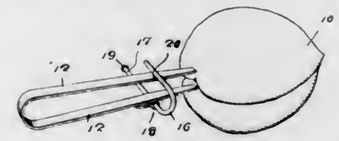
being provided with an opening communicating with the tank at the upper end of the pipe, and float control means for closing said opening and sealing the air vent pipe against the tank.

1,509,699. WINDSHIELD CLEANER. ARLO GRANT ATCHISON, Santa Barbara, Calif. Filed Dec. 15, 1923. Serial No. 680,987. 2 Claims. (Cl. 15—253.)



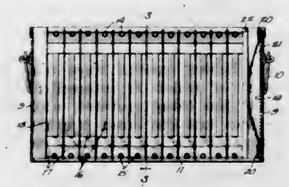
1. In a windshield cleaner, a motor, a rod, guide means for the rod, connections between the motor and said rod whereby the latter is reciprocated, racks on the end of the rod, housings for the racks, shafts passing through the housings and through the upper bar of the windshield, a gear on each shaft in mesh with each rack, a spring arm adjustably connected to each pivot, and a squeegee carrying casing pivotally secured to each arm, as and for the purpose set forth.

1,509,700. PEELING DEVICE. THOMAS F. BEHL, Allentown, Pa. Filed Sept. 7, 1923. Serial No. 661,428. 3 Claims. (Cl. 294—35.)



1. A device for holding fruit comprising a pair of tongs, stone gripping jaws for the tongs, means whereby the jaws may be inserted into the fruit upon opposite sides of the stone and pivotally mounted means carried by and slidable transversely of the tongs for holding the jaws in gripping position.

1,509,701. FILM AND PLATE HOLDER. HAROLD D. BERNSTEIN, New York, N. Y. Filed Dec. 7, 1923. Serial No. 679,189. 7 Claims. (Cl. 95—100.)



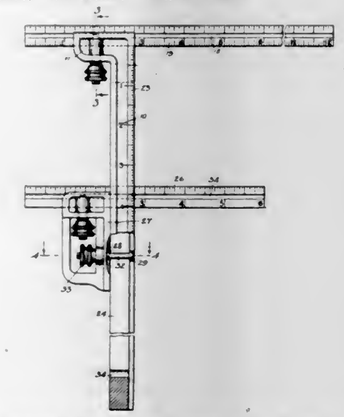
1. In a holder for sensitized sheets, a casing, a plurality of separators insertable into said casing and between which the sensitized sheets are mounted and held in spaced relation with respect to each other by said separators, and a retaining member insertable between one end of said casing and an adjacent separator and exerting a yieldable pressure upon said separator to retain the separators and sensitized sheets in position in the casing.

1,509,702. FUSE PLUG. HAROLD J. BERRIAN, Fishers Island, N. Y. Filed Feb. 9, 1923. Serial No. 618,078. 1 Claim. (Cl. 200—130.)



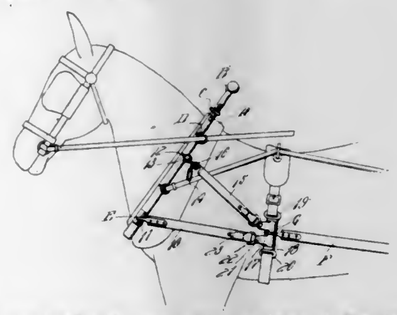
A fuse plug comprising a body portion including a stem, a cylindrical extension formed on one end of the stem, the stem extension having a chamber therein, contacts fitted in the chamber, a fuse carrying portion including a pair of contacts adapted to be detachably fitted in said chamber and engage the contacts therein, a fuse wire carried by said fuse carrying portion connecting the contacts thereof together, an extension formed on the inner face of the fuse carrying portion, and said body portion having a socket for receiving said extension.

1,509,703. CARPENTER'S SQUARE. JAMES S. BOURGEOIS, Roxbury, Mass. Filed Feb. 2, 1923. Serial No. 616,534. 3 Claims. (Cl. 33—95.)



1. A carpenter's square comprising a stock having a transverse groove at one end thereof, a blade mounted in said groove for sliding movement relatively to said stock, said stock having a longitudinal slot in the same plane with the transverse groove, a second blade mounted in said slot for longitudinal adjustments and lateral sliding movements with respect to said stock, and means for maintaining said blades in their relatively adjusted positions.

1,509,704. HAME TUG. ALLEN L. BOWLEN, Versailles, Mo. Filed Nov. 27, 1923. Serial No. 677,314. 2 Claims. (Cl. 54—32.)



1. In a harness construction, a hame, a tug permanently pivotally connected with the lower portion thereof, a chain permanently connected with the upper portion

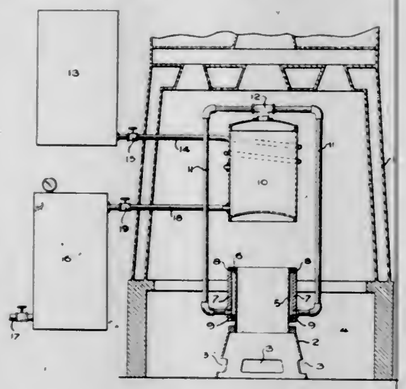
of the hame, a second tug having one end detachably connectible with a selected link of the chain, and means connecting the rear ends of both tugs and providing means for attachment of a trace.

1,509,705. ELASTIC WHEEL FOR VEHICLES. GEORGES BROULHIET, St. Etienne, France. Filed Sept. 19, 1922. Serial No. 589,130. 4 Claims. (Cl. 152—29.)



1. A solid wheel of elastic material having layers of fibrous material secured to the side surfaces thereof to provide lateral rigidity.

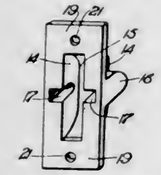
1,509,706. OIL BURNER. CLARENCE VICTOR BRYAN, Laurel, Ontario, and JOHN JAMES BRYAN, Amaranth Station, Ontario, Canada. Filed May 12, 1923. Serial No. 638,544. 1 Claim. (Cl. 158—53.)



In an oil burner, the combination with the burner proper, of a mixing chamber positioned above the burner in spaced relation thereto, an air intake pipe to the mixing chamber, an oil intake pipe wound around the mixing chamber and connected thereto, a T union at the top of the mixing chamber, opposed mixture carrying pipes connected at their upper ends to the T-union and at their lower ends to the opposed sides of the burner, said pipes in addition to carrying the mixture to the burner from the mixing chamber supporting the mixing chamber in position.

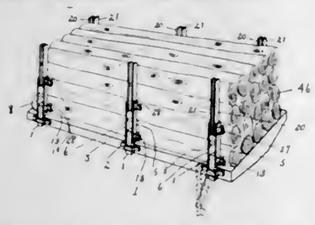
1,509,707. SLIDING SASH WINDOW. ERNEST L. BURKETT, Greensborough, Victoria, Australia, assignor of one-half to Simon Joseph, Melbourne, Victoria, Australia. Filed June 29, 1921. Serial No. 481,307. 1 Claim. (Cl. 16—195.)

A bracket adapted to fit in an opening formed approximately mid-length the central beading of a sliding sash window, said bracket being of plate formation with a central gear-receiving opening having its side walls extended outwardly with respect to the window sash, said walls being recessed to receive a supporting shaft, the recesses opening through the face of the bracket, and to the gear receiving opening, a supporting shaft mounted in said recesses and limited in movement toward the



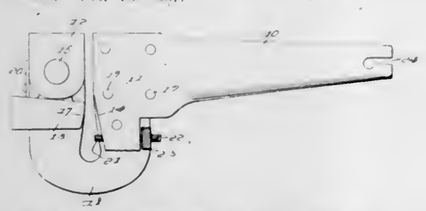
rear of the bracket and freely movable toward the face of the bracket, a gear mounted on said shaft and extended in both directions beyond the bracket, and gear racks adapted to be secured to the window sash and operating weight therefor, said racks being simultaneously and reversely operated in the movement of the gear.

1,509,708. SIDE STAKE FOR FLAT CARS. JAMES E CANNAN, Utica, N. Y. Filed Mar. 17, 1924. Serial No. 699,825. 6 Claims. (Cl. 105—384.)



3. In a side stake for flat cars, means for pivotally mounting said stake, said stake being formed in sections, bolts for pivotally mounting said sections with relation to each other, pins adapted to bind, whereby to hold said sections in upright relation to each other, and chains for holding said pins adjacent said stakes.

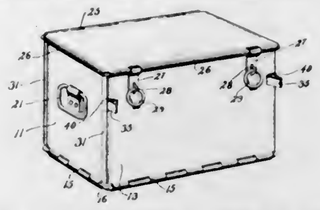
1,509,709. SAW SET. HENRY L. CARMAN, Flagstaff, Ariz. Filed Aug. 17, 1922. Serial No. 582,418. 2 Claims. (Cl. 76—65.)



1. A saw set having spaced inner and outer jaws, with the former of which is connected an operating shank, the inner jaw being provided with an obliquely disposed anvil face and the outer jaw with a pivotally mounted hammer provided at its inner end with a poll for cooperation with the anvil face and having at its outer end an impact face, and a locking cam for securing a hammer in its inoperative position.

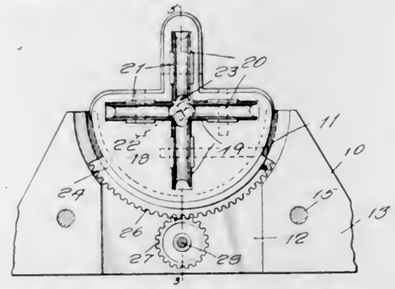
1,509,710. EGG CASE. CHARLES W. CHAMBERS, Vanoss, Okla. Filed Mar. 5, 1923. Serial No. 622,982. 1 Claim. (Cl. 220—7.)

In a device of the class described, a bottom, front, rear and end walls, hinged connections between the bottom wall and the remaining walls, hooks mounted on some of the walls and devices to be engaged by the hooks and including rolled portions and inclined portions for sliding engagement by the edges of the adjacent walls, and resilient fastening devices connected with the end walls and including offset portions, the front and



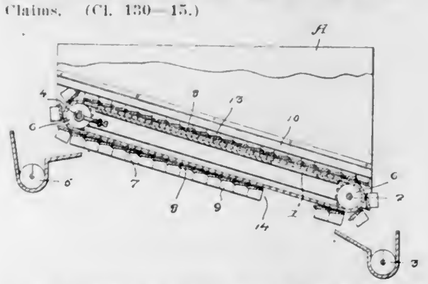
rear walls having slots through which the resilient devices pass, permitting engagement by the offsets when the end walls have been raised to a position where the edges clear the inclined portions of the hook engaging devices.

1,509,711. FAIR LEAD. RAY K. CHAPMAN and ERNEST G. MESSER, Elma, Wash. Filed Oct. 8, 1923. Serial No. 667,268. 2 Claims. (Cl. 254—190.)



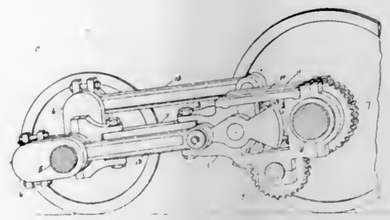
1. In a fair lead, a base, a sheave plate mounted for rotation in the base, a plurality of concentered sheaves mounted in said sheave plate and each having a grooved periphery, the periphery grooves at the adjacent portions of the sheaves combining to define a substantially circular opening, the groove of each of said sheaves discharging into the groove of the next adjacent sheaves whereby side strain upon a cable engaged with any of said sheaves will shift the cable from the engaged sheave into engagement with a sheave adjacent thereto, and means carried by the base and coacting with the sheave plate for rotating the sheave plate or for locking the sheave plate in adjusted position.

1,509,712. THRASHER. BERT C. CHAPPELL, Rockville, Mo. Filed Aug. 6, 1921. Serial No. 490,249. 4 Claims. (Cl. 130—15.)



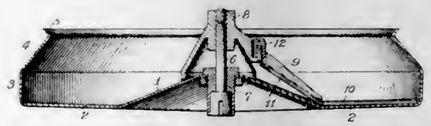
1. In a thrasher, a thrasher shoe having an opening in the floor thereof, an endless apron movable over the said floor and having a sleve portion for registration with the said opening, and means for adjusting the apron to move the sleve portion into and out of registration with the said opening.

1,509,713. POWER TRANSMISSION. CHARLES LEE COOK, Louisville, Ky. Filed Jan. 24, 1921. Serial No. 439,609. 4 Claims. (Cl. 105—84.)



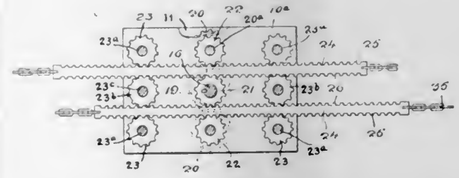
1. A power transmission, comprising a crank and gear reduction mechanism and a vertically disposed forked frame for same; said frame being adapted to ride on a pair of axles, one at either end, and being in two parts, adapted to swing laterally.

1,509,714. PAN FOR CORN-POPPING MACHINES. CHARLES CRETORS, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,377. 4 Claims. (Cl. 53—4.)



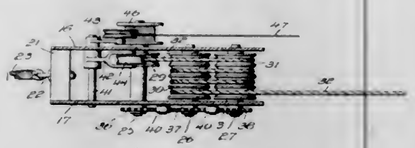
1. The combination of an open top popping pan having its bottom web formed with an upstanding central conical portion, with an outer flat annular portion and with a circular outer wall having an inturned marginal flange at top, the inner edge of said flange having an out-turned annular subflange, the construction preventing outward spattering of the heated butter particles in the operation of conditioning the popped mass of corn, and a power driven stirring means arranged in the chamber of the pan.

1,509,715. WIRE STRETCHER. FRANK DACAR, Holloway, Ohio. Filed June 25, 1923. Serial No. 647,677. 4 Claims. (Cl. 254—66.)



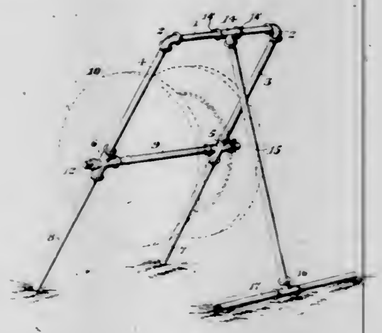
4. A wire stretcher comprising a body member including a pair of plates, a pair of rack bars located between the plates and carrying wire gripping means, said rack bars having both edges toothed, guide gears journaled between the plates and meshing with the teeth on the confronting edges of the rack bars, other gears journaled between the plates and meshing with the teeth on the outer edges of the rack bars and means for driving the rack bars comprising a shaft journaled through the body and carrying a gear meshing with the teeth on the inner edges of the rack bars and carrying a larger gear located to one side of the pair of plates, and other gears meshing with said last named gear and carried by the shafts of certain of the second named gears.

1,509,716. LOG CARRIER. WILLIAM G. DANIEL, Sunburst, N. C. Filed May 22, 1923. Serial No. 640,719. 1 Claim. (Cl. 212—89.)



In an apparatus of the class described, a support including spaced side members, a shaft member for rotation through said side members and extending at one end beyond one of said side members, a cable guide pulley fast upon said shaft between said side members, a cable winding drum fast to the extended portion of said shaft, a rock shaft mounted through said side members and extending at one end beyond the same, an arm attached to said rock shaft between said side members, a bearing pulley carried by said arm and adapted to bear on a cable member where it passes around said guide pulley, an arm attached to the extended terminal of said rock shaft, an idler cable guide pulley carried by said last mentioned arm at its free end, and a pull cable connected at one end to the winding drum and passing thence around the idler pulley, whereby when strain is applied to the pull cable the drum will be rotated and the bearing pulley forced against a cable passing over the guide pulley.

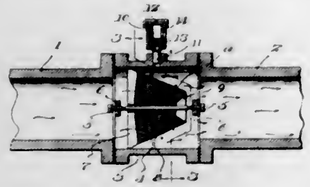
1,509,717. REEL CARRIER. CHARLES C. DAVIS, Northfield, Vt. Filed Nov. 27, 1923. Serial No. 677,263. 7 Claims. (Cl. 248—85.)



1. In a device of the character described, the combination with a frame having parallel side bars and one end cross bar, of a supporting bar removably carried by the side bars intermediate their ends and adapted to form a rotatable axis for a reel, and a combined draw bar and handle swingingly connected centrally of said cross bar and adapted when in one position to serve as a prop for said frame when standing upon a foundation and when in another position constituting a draft device, and when in still another position to be substantially parallel with and in folded relation to the said side bars.

1,509,718. MIXING DEVICE. JOSEPH A. DEPOTIE, Cicero, Ill. Filed Dec. 10, 1923. Serial No. 679,770. 2 Claims. (Cl. 48—180.)

1. A mixing device of the class described comprising a casing adapted to be placed between the carbureter and intake manifold of an internal combustion engine, a propeller rotatably mounted in the casing and actuated by the vapors passing through the same, a frusto-conical shaped screen connected with the propeller for rotation therewith, said screen having its small end open and a



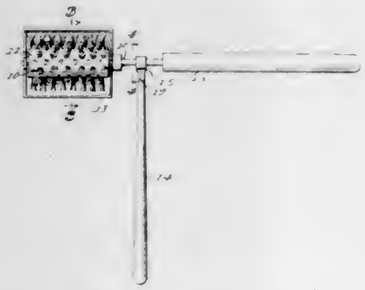
ring member connected with the small end and extending inwardly for retarding the flow of some of the explosive mixture through the device.

1,509,719. FOUNTAIN PEN AND ELECTRIC LIGHT. JOHN JOSEPH DEVINE, Middletown, Conn. Filed June 12, 1923. Serial No. 644,948. 3 Claims. (Cl. 240—8.4.)



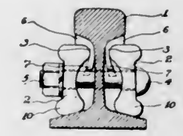
1. In a device of the class described, a barrel member, a tubular member fitting within the barrel and extending at one end in advance of the same, the outer end of said tubular member being converged and with lateral recesses in the converging portions, an ink reservoir fitting within said tubular member, a holder for a pen point socket attached to said reservoir and connected therewith, a pen point socket engaging in said holder and open at the inner end to permit ink to flow from the reservoir thereto, an ink feed conductor leading from said socket and adapted to supply the pen point, a receiver for an electric lamp socket between the reservoir and the opposite side of the tubular member, a source of electric energy within the barrel, and means carried by the barrel for controlling the current to the lamp socket.

1,509,720. TOOTHBRUSH. JAMES A. DONNELL, Austin, Tex. Filed July 15, 1921. Serial No. 484,969. 1 Claim. (Cl. 15—25.)



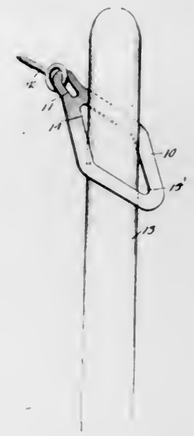
A tooth brush comprising a shaft having a collar thereon, a cylindrical brush mounted upon the shaft and spaced from the collar, a semicylindrical shield loosely mounted upon the shaft and bearing against the collar and having an end portion interposed between the brush and the collar, a pivot member connecting the outer end of the shield with the brush and disposed at the center thereof, a bearing head in which the shaft is journaled, and a handle pivotally connected with the bearing head.

1,509,721. RAILWAY-RAIL JOINT. HERBERT W. EDWARDS, Audubon, N. J., assignor to Economy Rail Joint Company, a Corporation of Delaware. Filed Dec. 13, 1923. Serial No. 680,501. 11 Claims. (Cl. 238—244.)



4. As an article of manufacture, a splice bar for rail joints disposed above the central portion of the rails comprising dovetail upper and lower portions and an intermediate thinner arc-shaped portion.

1,509,722. BROOM HOLDER. EMANUEL L. FENSTERMAKER, Lancaster, Pa. Filed Mar. 1, 1923. Serial No. 622,178. 5 Claims. (Cl. 24—249.)



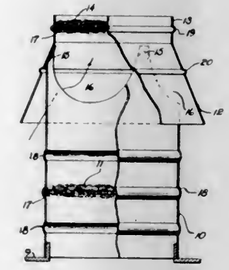
1. A broom holder comprising a screw-eye, and a one-piece flat member suspended therefrom said member having a diamond-shaped central opening with its shorter axis extending horizontally across the member, substantially as set forth.

1,509,723. EYEGLASSES. EDWARD J. FINK, New York, N. Y. Filed Sept. 28, 1922. Serial No. 591,150. 14 Claims. (Cl. 88—42.)



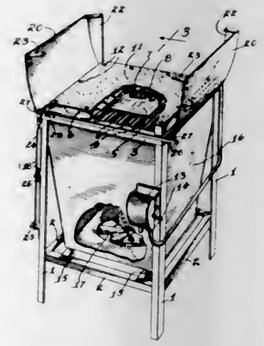
1. An ophthalmic lens containing as an integral part thereof a rim projecting laterally beyond the edge portion of the lens.

1,509,724. SOOT-CONSUMING DEVICE. PAUL FRAME, Baltimore, Md., assignor to Gas & Electric Appliance Corporation, a Corporation of Maryland. Filed Mar. 29, 1923. Serial No. 628,537. 6 Claims. (Cl. 183—5.)



1. A device for catching flue impurities comprising a split expansible ring removably carrying a non-combustible non-fouling steel wool mat.

1,509,725. APPARATUS FOR PREPARING PHOTOENGRAVING PLATES. JAMES S. FAEER, Rutherford, N. J. Filed Feb. 23, 1922. Serial No. 538,751. 11 Claims. (Cl. 41—9.)

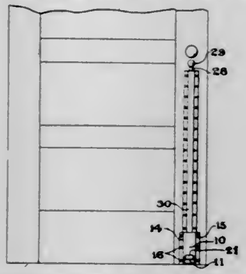


8. In an apparatus for use in treating etching plates composed of metal sheets with selected portions of a side thereof covered with an erosive resisting coating or resist, the combination of a frame, a housing mounted therein open at its upper end, a grid over said opening for supporting the plate with the resist-bearing side exposed, wings hingedly mounted on the side of the frame adapted to be folded over the plate, and means mounted in the housing for cooling the plate.

1,509,726. DOOR AND SHUTTER FASTENER. JOHN GALLI, Bethlehem, Pa. Filed June 12, 1922. Serial No. 567,689. 2 Claims. (Cl. 292—128.)

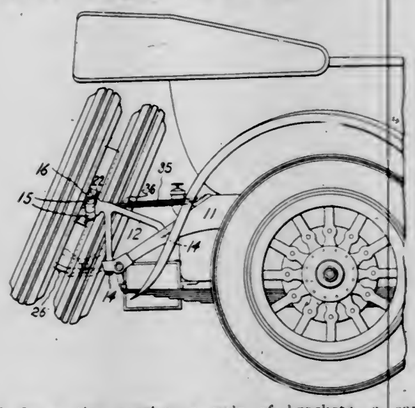
1. In a device of the class described, a housing having a slot therein, a guide within the housing, a slide including a hook projecting through the slot and including an offset end portion abutting one wall of the housing, the slide operating in the guide, a spring receptacle carried by the slide, a spring therein and engaging the

offset end of the slide, an element secured to the offset member and extending beyond the wall of the housing, an



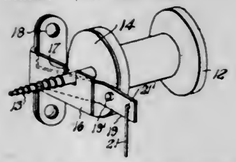
operating element secured to the element extending through the housing, and means positioned for engagement by the hook.

1,509,727. TIRE CARRIER. HARRY R. GERRIE, Montreal, Quebec, Canada. Filed Nov. 8, 1921. Serial No. 513,716. 8 Claims. (Cl. 224—29.)



1. In a tire carrier, a pair of brackets, a carrier hingedly connected at one end with one of said brackets and slidable into supporting relation at the opposite end with the other bracket, and means intermediate the brackets to support the free end of the carrier and raise the same for supporting engagement with the bracket.

1,509,728. WINDOW-SHADE ROLLER. JOHN P. HALL, Patroon, Tex. Filed June 14, 1923. Serial No. 645,381. 1 Claim. (Cl. 156—34.)

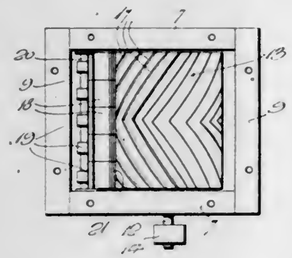


The combination with a window shade roller, of a grooved member attached to one end thereof, and having a depression at one side, a cord adapted to be wound about said member and unwound therefrom to roll the shade against the tension of the spring of said roller, a bracket formed from a single length of material into substantially L-shaped formation, and including a fixed limb and a relatively movable resilient limb, means for securing the bracket to the window casing, a pin projecting from said movable limb and adapted to normally project within said depression to hold the roller stationary, and a flexible element suspended from said movable limb and utilized to separate the pin from said depression to permit rotation of the roller.

1,509,729. METHOD OF FACING MOLDED ARTICLES. THEODORE HOSTETTER, Toledo, Ohio, assignor, by mesne assignments, to The Krantz Realty & Investment Company, Toledo, Ohio, a Corporation of Ohio. Filed July 14, 1920. Serial No. 396,101. 3 Claims. (Cl. 18—60.)

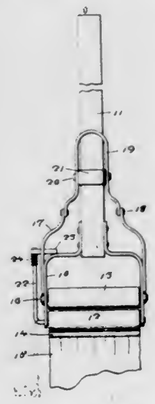
1. The method of molding comprising flowing a coating about the mold interior, the coating flowing in such thinness that bubbles may not be trapped thereby to disturb the coating from conforming to the mold, and before the coating is set, pouring a filler body to carry thereupon such coating.

1,509,730. HULLING ATTACHMENT FOR THRASHING MACHINES. WILLIAM R. HUGHES, Fargo, Okla. Filed Aug. 1, 1922. Serial No. 578,940. 2 Claims. (Cl. 83—14.)



1. A hulling device comprising a housing having an inlet and an outlet, a cylinder rotatably mounted in the housing and extending between the inlet and outlet, a concave in the housing between the inlet and outlet and formed of longitudinally extending sections pivotally mounted at their upper ends and having their lower end portions curved to conform to the contour of the cylinder and terminating in depending end portions positioned above the outlet, resilient means engaging the depending end portions of the concave sections to yieldably hold the same against movement away from the cylinder, and means for engaging the depending end portions of the concave sections for moving the same against the action of the resilient means.

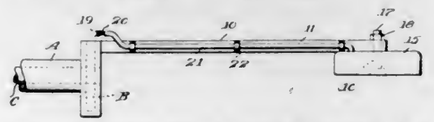
1,509,731. MOP. DUNCAN KERR, Atlantic City, N. J. Filed Apr. 4, 1923. Serial No. 629,837. 1 Claim. (Cl. 15—119.)



A mop of the character described comprising a pair of spaced bearing arms, a handle extending therefrom, rollers arranged parallel and one above the other, the upper roller having its pintle slidable within slots in

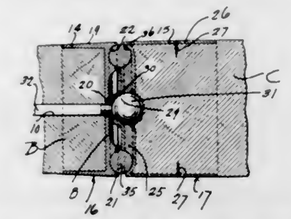
said bearing arms, a strip of fabric secured to and adapted to be wound upon the lower roller, a substantially yoke-shaped member pivotally mounted upon the handle, bars pivotally connected to the free ends of said yoke-shaped member and the projecting pintles on said upper roller respectively, a substantially L-shaped crank arm having one leg forming the pintle of the lower roller, and its other end normally extending longitudinally of the mop and means for holding said crank arm in an inoperative position.

1,509,732. MAGNETIC PEEL. PAUL F. KENNEDY, Marion, Ohio. Filed Sept. 26, 1923. Serial No. 665,030. 2 Claims. (Cl. 294—65.5.)



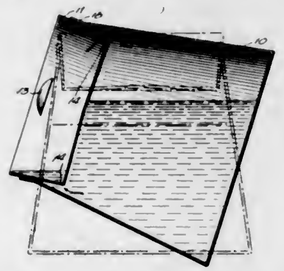
1. In combination with a charging machine, a magnetic peel comprising an elongated arm carrying an electromagnet, the charging machine having a plate and a plunger projectable therethrough, said arm terminating at one end in a vertical socket engaging upon said plate and formed with a hole receiving said plunger.

1,509,733. BALL BAT. JOHN HENRY LANGFORD, Imperial, Pa. Filed Aug. 23, 1921. Serial No. 494,626. 7 Claims. (Cl. 46—4.)



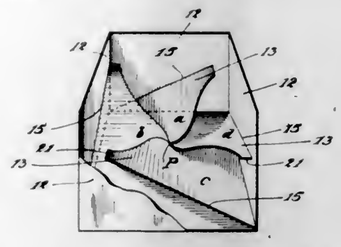
1. A ball bat comprising a hand engaging section and a ball hitting section; a resilient ring, and means carried by one section extending through the other section for exterior adjustment to clamp said ring intermediate the abutting ends of the sections.

1,509,734. DRINKING CUP. WILLIAM PERCY LANGLEY, Pittsfield, Mass. Filed Oct. 24, 1923. Serial No. 670,598. 3 Claims. (Cl. 65—13.)



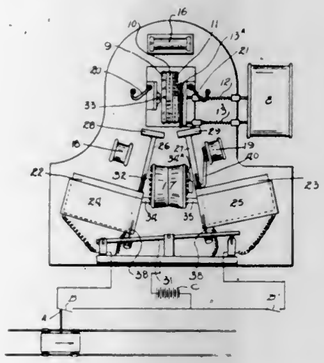
1. As a new article of manufacture, a drinking cup comprising an outer vessel, and a shallow inner cup fitting fluid-tight in said vessel at the top directly adjacent to the walls of the outer vessel and adapted to hold a limited quantity of the liquid received from the outer vessel, said inner cup having means to permit outflow of the fluid from the outer vessel to the inner cup and having a vent.

1,509,735. BOX. RICHARD H. LAUBERSHEIMER, Brooklyn, N. Y. Filed June 28, 1924. Serial No. 722,935. 6 Claims. (Cl. 229—39.)



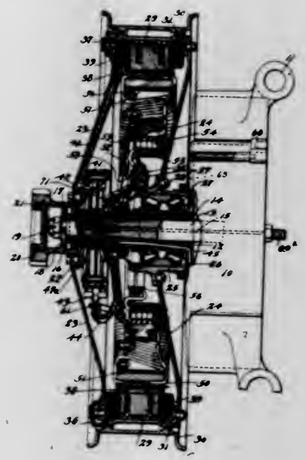
1. A box of the class described, including side walls, flaps connected to the edges of all of the side walls, each inter-engaging all of the others by simultaneous and direct swinging movement to form an end wall, said flaps having substantially identical locking structures integral therewith, resisting stresses exerted in the planes of said flaps, all operated concurrently to interlock by a single thrust in order to form the box end wall, each of said flaps having a stiffening extension in a unitary structure therewith projecting beyond the straight line connecting the locking structure and the base corner of the flap.

1,509,736. APPARATUS FOR RECORDING THE TIMES AT WHICH A VEHICLE PASSES TWO GIVEN POINTS. ERNEST EDWARD LUCY, Sydney, New South Wales, Australia. Filed Sept. 1, 1921. Serial No. 497,605. 1 Claim. (Cl. 234—27.5.)



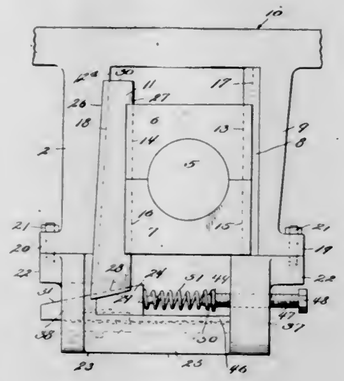
In apparatus for automatically recording the times when a train reaches the beginning and the end of a given section of track, comprising a pair of drums having a strip of paper adapted to wind off of one onto the other, rotatable discs between said drums having respective notations thereon denoting hours and fractions thereof, means for rotating said discs relatively to each other so as to indicate the exact time at a given place, an ink ribbon between the discs and strip, a shiftable switch and conductors adapted to form therewith electric circuits, said circuits being completed, one when the train reaches the beginning of the section and the other when it reaches the end of said section, electromagnets connected in said electric circuits, an armature associated with each magnet and adapted to be attracted thereby when the magnet is energized, and means actuated by said armatures for pressing the paper strip against the discs, for rotating said drums and for shifting the switch from one circuit to the other when the armature of said circuit is attracted by the magnet.

1,509,737. WHEEL MOTOR FOR FOUR-WHEEL DRIVES. HARRY C. MCCLEARY, Washington, D. C. Filed Sept. 27, 1923. Serial No. 665,249. 13 Claims. (Cl. 172—287.)



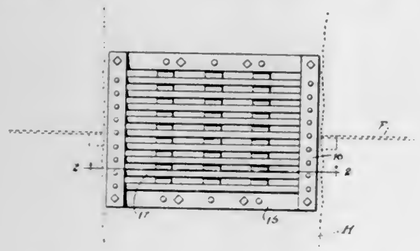
1. In an electric wheel motor, a wheel casing, a series wound field carried at the felly portion thereof, an armature disposed upon a relatively fixed member within the wheel, collecting rings rotatable with the casing for both the field and armature, cooperating brushes upon the fixed member for establishing circuits to said rings, an axle, a fixed supporting hub thereon provided with conductor conduits, and conductors from said hub to said brushes.

1,509,738. WEAR COMPENSATOR FOR JOURNAL BOXES. JAMES E. MCDANIEL, Columbia, S. C., assignor of thirty-one per cent to T. W. Waters, seventeen per cent to Theodotus C. Hamby, twenty-two per cent to Arthur W. Hamby, all of Columbia, S. C., and five per cent to Charles M. Galloway, Washington, D. C. Filed Sept. 28, 1923. Serial No. 665,389. 10 Claims. (Cl. 105—81.)



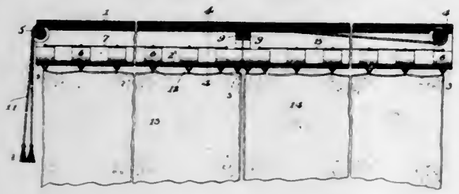
1. In combination with a bearing box and a frame in which said box is mounted having a lower yoke, an adjustable bearing wedge associated with the bearing box, mechanism mounted in said yoke for automatically controlling the position of said bearing wedge including an auxiliary wedge with which the said bearing wedge has direct engagement, and means engaging the said auxiliary wedge for automatically adjusting the bearing wedge to compensate for wear on the driving box.

1,509,739. CATTLE GUARD. GEORGE MCLEAN, Texico, N. Mex. Filed May 7, 1923. Serial No. 637,337. 1 Claim. (Cl. 256—14.)



In highway construction, a pit, supporting bars extending across the pit and adapted to be secured in place, a grate supporting structure comprising supporting elements extending across the supporting bars and resting thereon, and anchoring plates at the ends of the supporting elements secured thereto, in combination with a grid comprising end plates having their ends supported on and remotely secured to the anchoring plates, and grid bars having their ends attached to the end plates and adapted to cover the pit when in place and to be removed when access to the pit is desired, substantially as described.

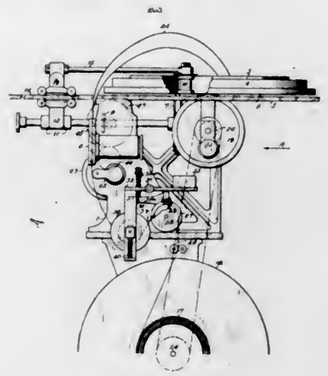
1,509,740. CURTAIN POLE. CHARLES A. WARSING, Cleveland, Ohio; Walter M. Tobias administrator of said Charles A. Warsing, deceased. Filed July 15, 1922. Serial No. 575,159. 1 Claim. (Cl. 156—20.)



In a device of the kind described, a longitudinally slotted tubular pole, convexed blocks slidably mounted in the pole and arranged in two sets, the adjacent end blocks of said two sets having upwardly extending standards each of which has two bores therein, the bores of the two standards being similarly located, a pulley carried by the pole, a pull cord doubled on itself, said cord passing through the bores of the standard and secured to the latter and tapes secured to the standard carrying blocks respectively and extending across the remaining blocks of the sets and being secured to each of said blocks on its upper face, said blocks being adapted to support curtains, as and for the purpose set forth.

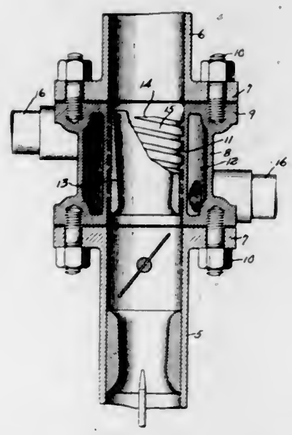
1,509,741. APPARATUS FOR MANIPULATING CINEMATOGRAPH FILMS. EDWARD JOHN WAY, Johannesburg, Transvaal, South Africa, assignor to Bioscope Improvements Limited, Johannesburg, Transvaal Province, South Africa, a Company of the Transvaal Province. Filed Mar. 1, 1922. Serial No. 545,581. 12 Claims. (Cl. 88—18.7.)

1. In film manipulating apparatus, the combination of means for utilizing a film, a rotatable carrier for unused film coil, means for rotating the latter to deliver film without tension, and a carrier for used film coil



driven from the unused coil carrier to rotate at substantially the same speed as the unused coil carrier.

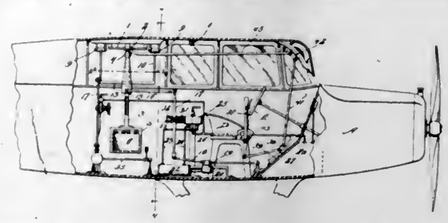
1,509,742. VAPORIZER. ARTHUR HORACE WEBBER, Boston, Mass. Filed Nov. 23, 1921. Serial No. 517,326. 4 Claims. (Cl. 48—180.)



1. A vaporizer for the interposition of fuel supply pipe between the carbureter and engine of an internal combustion engine, comprising a casing having an annular heating chamber, a venturi in the casing, and means between the venturi and the inner face of the casing for forming therebetween a spiral passage open at both ends.

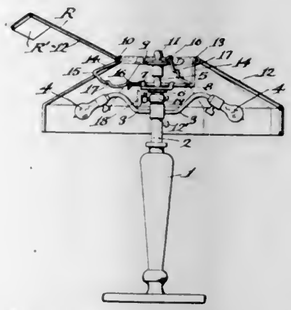
1,509,743. AUTOMATIC CONTROL FOR AEROPLANES AND DIRIGIBLE BALLOONS. EDWARD F. WEGNER, Council Bluffs, Iowa. Filed Apr. 26, 1921. Serial No. 464,494. 2 Claims. (Cl. 244—29.)

1. The combination with an aeronautic device, of a pendulum supported for pivotal longitudinal and transverse movement and being susceptible of a longitudinal slidable movement, means associated with said pendulum for automatically controlling the equilibrium of the device, manual means for controlling the automatic means and including a curved bar pivotally secured at one end to the means associated with said pendulum, a supported stirrup receiving the upper end of said bar, notches



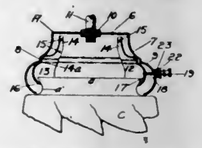
formed on this end, a locking lever designed to singly engage the notches and means for controlling the lock lever as and for the purpose specified.

1,509,744. LAMP SHADE. ROSE E. WILSON, Long Beach, Calif. Filed Apr. 7, 1923. Serial No. 630,593. 1 Claim. (Cl. 240—103.)



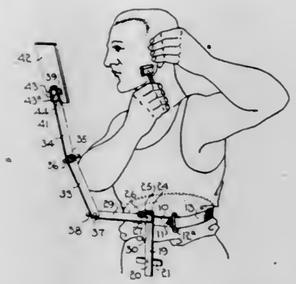
A device of the character described comprising a standard, a center post set in the standard and in alignment therewith, arms extending laterally from said post and adapted to carry incandescent lamps, a rod in alignment with said post and rotatably seated therein, two sets of radially disposed arms carried by said rod, a ring carried by each set of the radially disposed arms, the rings being in horizontal planes one above the other, a lamp shade, said shade comprising sectors, frames for said sectors, said frames being pivoted to the upper ring, extensions on the frames of the alternate sectors of said shade, a hook on the end of each of said extensions adapted to engage the lower ring to hold said alternate sectors in raised positions, and a universally pivoted concave reflector adapted to intensify the illumination from a lamp.

1,509,745. GLOBE HOLDER FOR ILLUMINATING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed June 21, 1923. Serial No. 646,795. 4 Claims. (Cl. 240—132.)



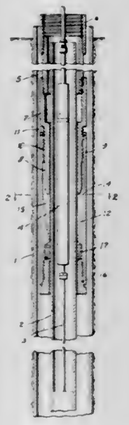
1. A globe holding device comprising a hollow shell open at its lower end for the reception of the top of a globe, a plurality of inwardly turned hook-like globe engaging members on the interior of the shell, and a screw passing through only one of said members and the shell by means of which the globe engaging member may be moved into and out of globe engaging position, said other member being substantially fixed in position.

1,509,746. MIRROR SUPPORT. GEORGE A. ZEDDLER, Cleveland, Ohio. Filed Sept. 11, 1922. Serial No. 587,465. 10 Claims. (Cl. 45—97.)



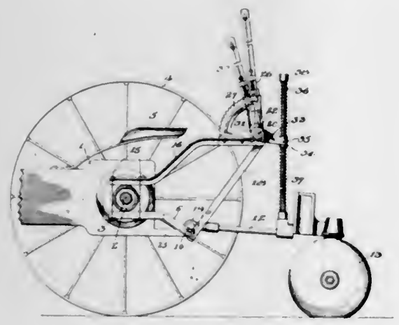
1. A mirror support comprising a body encircling member, a transversely arranged supporting plate connected therewith and adapted to bear flatwise against the front of the body of the wearer, a vertically disposed bar, means for rigidly but detachably connecting the upper end of said bar to said plate intermediate of the length of the latter, the bar depending from the plate and adapted to bear flatwise against the abdomen, a supporting strip outstanding from said plate and said bar at the upper end of the latter, a permanent connection between said bar and said strip, which connection is independent of the detachable connection between said bar and said plate, said permanent connection providing for a slidable and pivotal movement of the elements and normally holding the inner end of said strip against said plate, and a series of links adjustably connected to each other and carried by said strip and having means for supporting a mirror, said strip and said links being arranged edgewise and foldable one against the other and alongside said strip.

1,509,747. TUBING SPACER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Apr. 4, 1921. Serial No. 458,307. 6 Claims. (Cl. 265—22.)



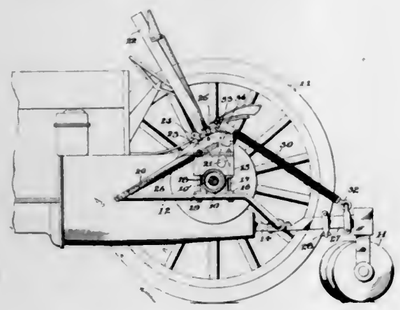
6. A pipe spacer mechanism including relatively movable top and bottom heads, through which the pipe is adapted to pass, means for locking the top and bottom heads against relative movement, a portion of the interior of the bottom head having a tapering wedging surface, gripping means coacting with the wedging surface and adapted to grip the pipe, the lower portion of the interior of the bottom head being cylindrical, a shoulder formed between the tapering portion and the cylindrical portion, a gland screwthreaded into the bottom head, and packing arranged between the shoulder and the gland.

1,509,748. TRACTOR ATTACHMENT. JOSIAH QUINCY BILLINGS, Shreveport, La. Filed Aug. 22, 1922. Serial No. 583,655. 1 Claim. (Cl. 97—47.)



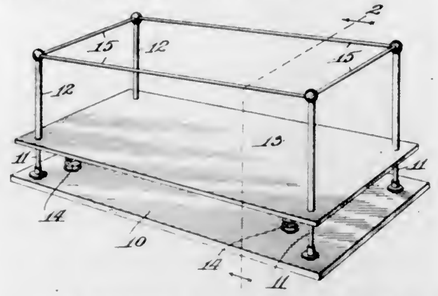
An attachment for tractors comprising in combination laterally spaced drawbars, a support extending upwardly and rearwardly from the rear end of the respective drawbars, a top frame bar secured to the upper end of said support and extending forwardly, the adjacent forward ends of said frame bars and draw bars being spaced apart and adapted to receive the rear axle housing between them, a cross bar extending between and anchored adjacent the rear ends of the drawbars, links swingably mounted on said cross bar and adapted for connection at their rear ends to an implement, a shaft extending between the rear ends of the frame bars and bracing the latter, and link elevating means mounted on said frame bars and shaft.

1,509,749. TRACTOR ATTACHMENT. JOSIAH QUINCY BILLINGS, Shreveport, La. Filed Apr. 18, 1923. Serial No. 632,955. 7 Claims. (Cl. 280—33.44.)



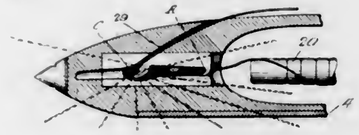
1. The combination with the rear axle housing of a tractor, of a bail-like draw-bar extending rearward of the housing from either end thereof and below the same, means securing the side bars of the draw-bar to the housing, one of the said side bars extending forward of the housing, a brace extending from the top of the said housing to the terminal of the forwardly extending side bar, and means for coupling implements to the draw-bar.

1,509,750. AMUSEMENT DEVICE. HELEN CAMPBELL, Yakima, Wash., assignor of one-half to Fred Girtanner, Los Angeles, Calif. Filed Mar. 1, 1922. Serial No. 540,133. 2 Claims. (Cl. 46—69.)



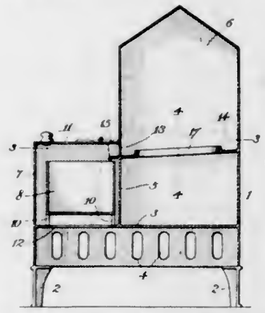
1. In an amusement device, a base, a series of uprights on said base, a platform arranged for vertical movement between said uprights, springs between said platform and said base, and a railing on said platform, said railing being connected to said platform by tubular members sliding upon said uprights.

1,509,751. SHUTTLE. JOSEPH EDOUARD GIROUARD and ALBERT LA CAIRE, Montreal, Quebec, Canada. Filed Nov. 7, 1923. Serial No. 673,380. 1 Claim. (Cl. 139—222.)



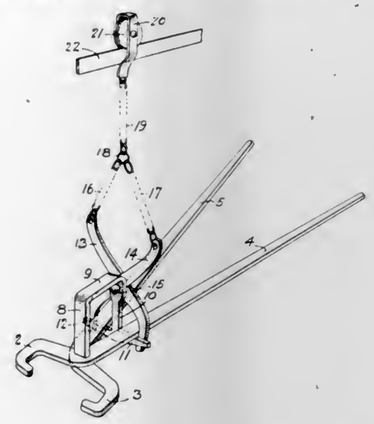
A shuttle comprising a shell, a threader lodged in the forward end thereof, said threader consisting of a metallic block having a slot in its upper surface, a pair of hooks formed at the rear end of said block and extending into the slot, said hooks being in vertical alinement, the upper hook pointing downwardly and forwardly and the lower hook pointing directly downwardly, and a third hook extending from the block into the forward end of said slot.

1,509,752. COMBINATION COOKER AND STEAMER. ADAM HASSLER, Fort Lee, N. J., and HARRY ROTHMAN, Brooklyn, N. Y. Filed Feb. 14, 1924. Serial No. 692,825. 3 Claims. (Cl. 126—20.)



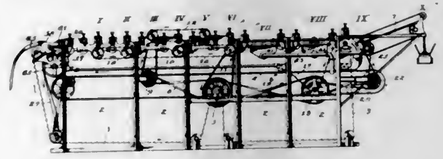
1. An apparatus of the character described, comprising a casing, a steamer, and a cooker constituting each a part of the casing and located side by side, a tray located intermediate the top and bottom of the steamer and directing condensation back into the cooker, a door normally closing the front of the steamer and a gutter on the inner face of the door discharging onto the tray when the door is closed and also when the door is opened.

1,509,753. TONGS. SAMUEL M. HEARD, Pittsburgh, Pa. Filed Mar. 13, 1924. Serial No. 698,985. 4 Claims. (Cl. 294—43.)



1. Tongs comprising a pair of relatively movable jaw members, handles for actuating said jaw members, and an auxiliary pair of tongs extending beside said handles and adapted to be actuated in response to a load carried by said jaw members to press said handles toward each other and to thereby press said jaws toward each other.

1,509,754. FIBER-CLEANING MACHINE. ANATOLE C. HEINY, Washington, D. C. Filed May 22, 1920, Serial No. 383,510. Renewed Feb. 9, 1924. 22 Claims. (Cl. 19—10.)

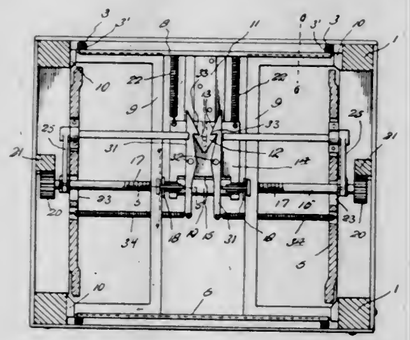


9. In a machine for cleaning plant fibers, the combination with clamps for holding the leading ends of the fiber masses to be cleaned, a conveyor with which the clamps are made to engage for carrying them through the machine, and means for cleaning the material during transit, of means for holding a clamp in position adjacent to, but free from, the conveyor, means for releasing the clamp from such holding means and causing it to engage with the conveyor, means for operating the said releasing mechanism timed with reference to the speed of the conveyor, and means for varying the timing of the said releasing mechanism.

1,509,755. ELEVATOR SAFETY DEVICE. WILLIAM M. HENSLEY, Vieco, Va. Filed Feb. 9, 1924. Serial No. 691,730. 1 Claim. (Cl. 187—78.)

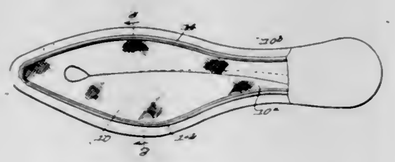
In combination, an elevator shaft, a car movable in said shaft, a cable for supporting and moving said car in the shaft, a pair of oppositely movable brake members slidably mounted in the car, having shoes carried thereby for engaging with the elevator shaft to arrest the movement of the car, a shaft rotatable in said car, a plate member rotatably mounting said shaft and adapted for a sliding movement relative to the car, the ends of said rotatable shaft being provided with pinions, racks carried by the elevator shaft for cooperative engagement with the pinions on said rotatable shaft to rotate the same in the movement of the elevator car in the shaft, means operating the plate member for normally holding the pinions in engagement with said racks, pawl members pivotally

mounted on the plate member for cooperative engagement with a notch projection carried by the car to lock the plate member with the pole engaging said racks, releasing members carried by the plate member movable for disengaging said pawls for permitting a sliding movement of the plate member, cams carried by the brake member adapted for operating the releasable members to release said pawls, and cable operating means connected with the rotatable shaft normally operating to move said shaft and plate member for holding the pawls in disengaged relation with respect to racks, whereby the breakage of the cable will permit the operation of the plate to move the



pawls into engagement with the racks for rotating the shaft having connection with the brake members adapted for operating said brake members to apply the brakes to the elevator shaft and arrest the downward movement of the car, a subsequent upward movement of the car by the cable operating the rotatable shaft to retract said brake members from engagement with the elevator shaft for releasing the brakes, said retracting movement of the brake members operating the releasable members for disengaging the pawls from locking cooperation with the projection carried by the car for permitting the disengagement of the pawls from the racks through the operation of the cable operated means.

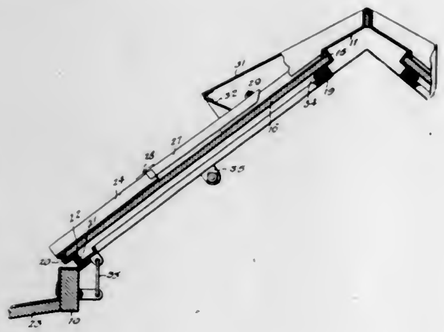
1,509,756. SHOE-SOLE LINING. MEYER S. HESS, Baltimore, Md. Filed Nov. 1, 1921. Serial No. 512,055. 6 Claims. (Cl. 36—22.)



6. A sole lining adaptable to a plurality of sizes of shoes, consisting of a transversely dimensionable blank having side members separated on a longitudinal line extending from the heel end thereof to the point at the extreme forward end of the foot bearing area of the blank, with the inner edges of said side members secured together in overlapping relation.

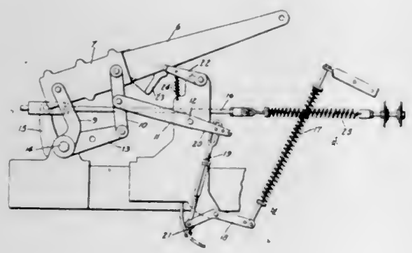
1,509,757. SKYLIGHT. SAMUEL HEYMAN, Brooklyn, N. Y. Filed Apr. 25, 1923. Serial No. 634,538. 5 Claims. (Cl. 108—16.)

1. In a skylight including a frame and a sash pivotally mounted in the frame, means for covering the openings between the sides of the sash and the frame, comprising a channel member carried by the sash and projecting over the frame, said channel member extending throughout only a portion of the length of the sash, a second channel member carried by the frame and extending longitudinally over a portion of said opening, and a third channel mem-



ber overlapping the ends of said first-mentioned channel members hinged to the channel member carried by the sash, and a fixed cover member extending over the overlapping joint of the frame channel member and the hinged channel member.

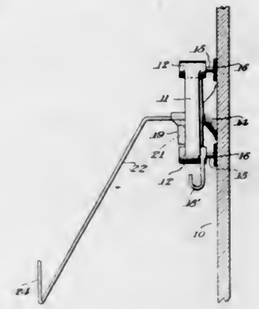
1,509,758. ELECTRIC SWITCH. HERMAN J. H. HUBER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 30, 1920. Serial No. 406,966. 7 Claims. (Cl. 200—153.)



3. In an electric switch, the combination with relatively movable cooperating contacts, of a mechanism for controlling said contacts, a device in which energy is stored by the circuit opening movement of said mechanism, and means intermediate said device and said mechanism operative to prevent rebounding of said mechanism when reaching circuit opening position.

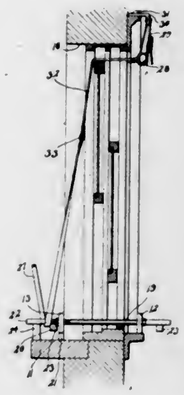
1,509,759. COMBINATION VACUUM WINDOW SNAP. OTTO G. HUBER, Hartford, Conn. Filed Feb. 5, 1923. Serial No. 617,056. 3 Claims. (Cl. 248—39.)

1. A device of the character described comprising a substantially U-shaped bracket, a cylinder carried at each end of said bracket, a resilient block secured within the U-shaped bracket and having a substantially cup-shaped member made integrally with and protruding from said resilient block, shanks extending within and without restricted openings in said cylinders and having knurled heads attached to their outer ends and head to their inner ends respectively, springs mounted within said cylinders and bearing against said heads, a hook extending downwardly from one of said cylinders, a socket mounted diametrically opposite said resilient block upon said bracket and having a longitudinal slot therein, and a hanger arm



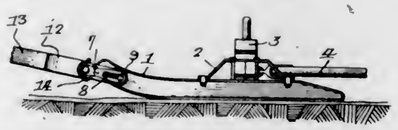
having its angular disposed upper portion received in said slot, and the lower portion thereof having upwardly bent extremities.

1,509,760. SCAFFOLD. FRANK KAYTE, Farr, Colo. Filed Dec. 5, 1923. Serial No. 678,738. 2 Claims. (Cl. 304—24.)



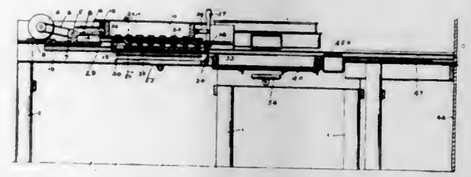
1. A window scaffold comprising spaced clamping members, means connecting said members whereby the latter may be engaged upon opposite sides of a window sill, a platform, means slidingly connecting the platform and clamping members, means for limiting such sliding movement, a cross bar adapted to be positioned transversely across the upper end of the window, means whereby the bar may be secured in position and a flexible loop member secured to the bar and detachably engaging the platform for supporting the outer end of the latter.

1,509,761. SLED BRAKE. XAVIER LEGAULT, De Lesseps, Quebec, Canada. Filed Apr. 19, 1924. Serial No. 707,738. 5 Claims. (Cl. 188—8.)



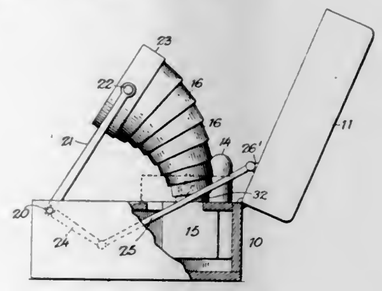
1. In combination with a pair of sled runners, a pair of links having sliding engagement therewith, and a braking device carried by said links.

1,509,762. ALMOND-DIPPING MACHINE. ARTHUR C. MCCORD, Rochester, N. Y., assignor to Franklin D. McCord, Rochester, N. Y. Filed Oct. 4, 1922. Serial No. 592,258. 5 Claims. (Cl. 91—4.)



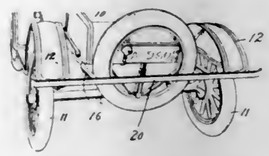
1. In a chocolate dipping machine, the combination of a hopper, said hopper comprising a distributing member, a locating member and a conveying member, means carried by said distributing member to allow the nuts to pass into holes provided in said locating member, and means provided by said conveying member to receive the nuts contained in the holes in said locating member and convey them away from said locating member, spoons located below said conveying member to receive the nuts conveyed from said locating mechanism, means for swinging said spoons and dipping them into a pan containing liquid chocolate at the end of its movement in one direction and means to receive the coated nut from said spoons at the end of its movement in the reverse direction.

1,509,763. COLLAPSIBLE HORN. FRANCK MINUTILLO, New York, N. Y. Filed Apr. 18, 1923. Serial No. 632,984. 3 Claims. (Cl. 274—2.)



1. In a phonograph cabinet, the combination of container having a sound compartment, a collapsible horn made up of ring sections, a lid to the container, and means connecting the horn and the lid to cause the horn to open in one direction while the lid opens in the opposite direction.

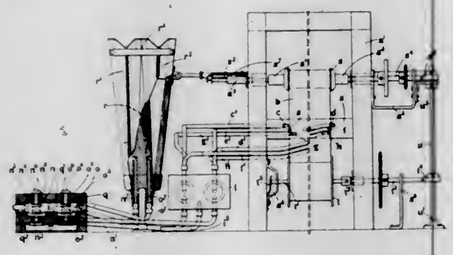
1,509,764. COMBINATION FENDER BRACE AND BUMPER. EDWARD L. MOORE, Waterloo, Iowa, assignor to Alvah H. Warren, jr., St. Paul, Minn. Filed Oct. 3, 1923. Serial No. 666,291. 4 Claims. (Cl. 293—55.)



1. The combination with an automobile body having a pair of fenders, combined supporting and connecting members fixed to the automobile body and extending rearwardly therefrom, a bumper secured to the free ends of said members and having its ends projected beyond

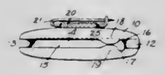
said members and in the rear of said fenders, and a plate secured to said bumper at each end and to the fender at its other end for holding the fenders against movement relative to the automobile body.

1,509,765. TRACKING MECHANISM FOR AUTOMATIC MUSICAL INSTRUMENTS. ERNEST GOODALL NICHOLSON, South Ealing, London, England, assignor to The Aeolian Company, Limited, London, England. Filed Dec. 4, 1923. Serial No. 678,492. 4 Claims. (Cl. 84—140.)



1. Tracking mechanism for automatic musical instruments operating under the control of a tune sheet and provided with means whereby upon lateral deviation of the tune sheet the exposure of a control duct results in the operation of mechanism serving to re-establish the normal disposition of the tune sheet with reference to the tracker bar, wherein a plurality of pairs of control ducts are provided each pair of which corresponds to a particular width of tune sheet, the said pairs of control ducts being so provided that only that pair of which one duct is uncovered as the result of lateral movement of the tune sheet is effective to determine the re-adjustment of the tune sheet with reference to the tracker bar, substantially as described.

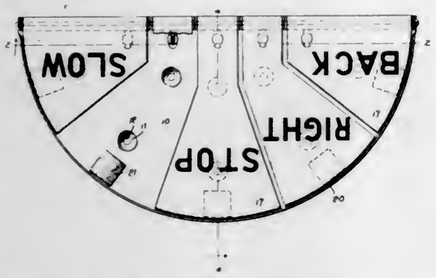
1,509,766. WATCH HOLDER. PHILIP H. NOLTING, Jersey City, N. J. Filed Jan. 4, 1923. Serial No. 610,612. 2 Claims. (Cl. 2—250.)



1. A watch protector of the character described made of resilient material comprising two dished sections having rim portions presenting opposed cut-outs, said sections facing inward with the cut-outs in alinement and fixed together forming a casing, said cut-outs forming an opening for allowing the insertion of a watch, means adjacent one end of said opening for gripping the watch stem to hold it against movement, and means attached to one of the sections for fastening the casing in a pocket.

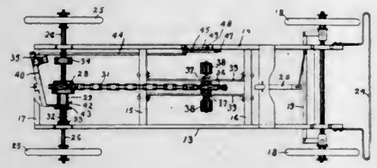
1,509,767. AUTOMOBILE INDICATOR. CHARLES A. O'TOOLE, Brooklyn, N. Y. Filed June 23, 1921. Serial No. 479,774. 3 Claims. (Cl. 177—327.)

1. An indicating device comprising a semicircular plate or support adapted to be disposed horizontally on the top of an automobile with the diametrical edge preferably facing forward of the automobile, a plurality of pivoted signal arms pivoted at one end to the plate along the diametrical edge and adapted when actuated to be moved to a vertical position along this edge, the plurality of signal arms adapted to lie normally flat on the support and to cover its entire surface, each arm occupying a definite portion of the plate one of said arms shaped to extend vertically when elevated, the others of said arms shaped to point in directions to the right



and to the left from the vertical when elevated, whereby the elevation of each arm will indicate a certain impending direction of movement.

1,509,768. TOY VEHICLE. DON A. OVERMAN, Omaha, Nebr. Filed Mar. 14, 1923. Serial No. 624,954. 5 Claims. (Cl. 192—13.)



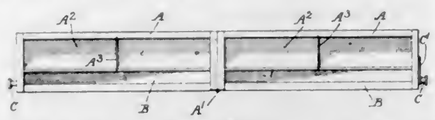
1. In a pedal wagon, pedal mechanism including a clutch member, a drive shaft, a second clutch member mounted on the drive shaft, means for normally interlocking said clutch members together, and manual means for separating the clutch members to free the drive shaft from the pedal mechanism.

1,509,769. DRESS FORM. EMIL THEODORE PALMENBERG, New York, N. Y., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y., a Corporation of New York. Filed May 5, 1923. Serial No. 636,887. 1 Claim. (Cl. 223—18.)



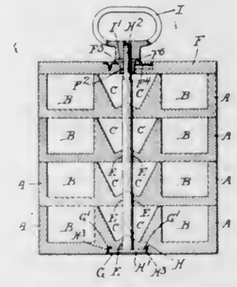
As a new article of manufacture, a dress form having a fabric covering around the body portion of the form, of a pair of shoulder straps secured at their ends to the covering and at their intermediate portions resting on the shoulders of the form, said straps having outer friction surfaces.

1,509,770. GAME DEVICE. LESLIE MONROE PARKER, Evanston, Ill. Filed Dec. 24, 1923. Serial No. 682,388. 9 Claims. (Cl. 46—55.)



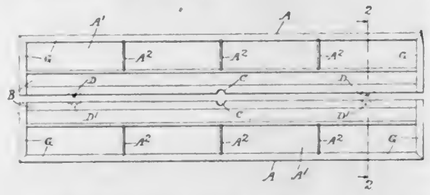
1. As a new article of manufacture a game device, comprising a combined playing and storage receptacle formed of a plurality of members joined together for relative movement, said members adapted when in one relative position to form a rack for use during play, and when in another relative position to form the storage receptacle adapted to receive the pieces of the game.

1,509,771. GAME DEVICE. LESLIE MONROE PARKER, Evanston, Ill. Filed Feb. 8, 1924. Serial No. 691,356. 12 Claims. (Cl. 46—55.)



1. As a new article of manufacture a game apparatus comprising in combination a plurality of combined playing and storage receptacles each formed of a plurality of members associated together for relative movement, said members adapted when in one relative position to form a rack for use during play and to be moved from said position to another relative position, to be retained in that other relative position, and while so retained, to form a storage receptacle to receive the pieces of the game when not in play, and means for separably securing together said racks to form of themselves a box-like structure.

1,509,772. GAME DEVICE. LESLIE MONROE PARKER, Chicago, Ill. Filed Apr. 7, 1924. Serial No. 704,574. 11 Claims. (Cl. 46—55.)



1. A game device including in combination a plurality of unit rack members, means for separably joining pairs of such unit rack members in their normal upright position, and means for separably assembling together a plurality of such pairs of members.

1,509,773. GAME DEVICE. LESLIE MONROE PARKER, Chicago, Ill. Filed Apr. 7, 1924. Serial No. 704,575. 10 Claims. (Cl. 46—55.)

1. As a new article of manufacture a game device including a combined display and storage device comprising a plurality of independent members, associated together and adapted to have relative movement, parts on

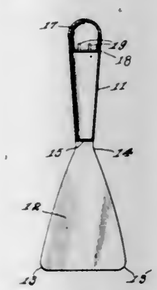


each of said members whereby they may be separately joined to each other in a plurality of different selective positions.

1,509,774. TREATMENT OF COPPER ORES. WALTER GEORGE PERKINS, London, England, assignor, by mesne assignments, to Metals Production Company of North America Incorporated, New York, N. Y. Filed Aug. 7, 1922. Serial No. 580,298. 8 Claims. (Cl. 70—18.)

1. A process for the treatment of an ore containing sulphide or copper which comprises roasting the crushed ore with access of air at such a temperature that copper sulphide is converted into copper sulphate with a corresponding swelling, then heating the oxidized material in the presence of a reducing gas for such a short time and at such a low temperature as to reduce copper compounds without melting the copper and without fritting the gangue and so that the reduced material is obtained in a porous condition, and thereafter submitting the product to a leaching operation with an ammoniacal solvent of copper in the presence of oxygen.

1,509,775. PUTTY KNIFE AND POINT HOLDER. EDWARD J. PHILLIPS, Hartford, Conn. Filed Oct. 22, 1923. Serial No. 670,155. 2 Claims. (Cl. 18—3.5.)



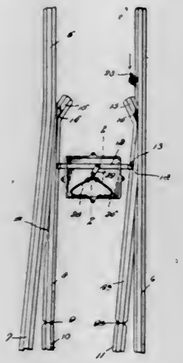
1. A putty knife formed from a single piece of sheet metal formed from a blank including a blade portion and a handle forming portion integral therewith, the sides of the handle portion being designed to be folded over to define a hollow handle, the outer corners of the handle forming portion nearest the blade being formed with curved extensions designed to lie against the blade when the handle is formed to define a bottom for the hollow handle whereby the latter may be used as a receptacle for containing glaziers' points.

1,509,776. RETURNABLE LABEL. HOWARD EMERSON PLIMPTON, Norwood, Mass. Filed Oct. 24, 1922. Serial No. 596,634. 3 Claims. (Cl. 40—5.)



1. A returnable label, having each of its faces provided with indicia indicating spaces for the name and address of both the addresser and addressee, and with a series of small superimposed detachable sheets adapted to receive postage stamps.

1,509,777. RAILWAY SWITCH. JOHN F. QUALLS, White Star, Ky. Filed Dec. 18, 1923. Serial No. 681,386. 3 Claims. (Cl. 246—318.)



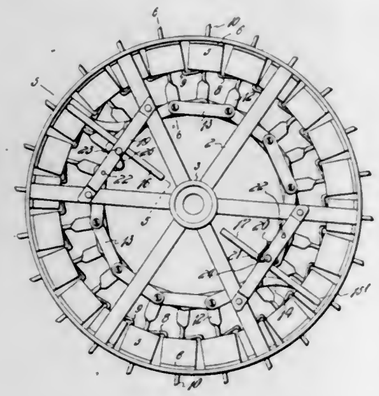
1. In a railway switch, a switch point comprising a rail section adapted for pivotal connection at one end with another rail section, and having its other end free and cut away on an oblique line at its outer side, adjacent said free end, the extreme free end portion of the switch point being directed laterally inwardly and said switch point having a groove in the tread portion thereof at the point of bend between the main portion of the same and the laterally directed free end thereof that extends parallel with the axis of the main portion thereof.

1,509,778. CRUTCH. CADWALLADER M. RAYMOND, deceased, late of Somerville, Mass., by Julia S. Thibodeau, administratrix, Fall River, Mass. Filed Oct. 15, 1920. Serial No. 417,261. 1 Claim. (Cl. 135—49.)



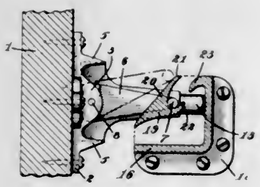
A crutch having spaced staff sections, tubular members extending therefrom, a hand-hold intermediate the sections, means surrounding the upper ends of the sections and the lower ends of the tubular members to secure them together, said means and ends having openings transversely therethrough, means selectively passing through the openings to adjustably secure the hand-hold in place, said first named means being constricted at the upper end, an arm rest, rods depending from said arm rest and into and in telescopic relation with said tubular members, and fastening means adjustably passing through the tubular members and rods.

1,509,779. TRACTION WHEEL. CHARLES REXROAT, Beardstown, Ill. Filed Oct. 16, 1923. Serial No. 668,867. 4 Claims. (Cl. 301—46.)



1. A traction wheel having its rim provided, adjacent to its edges with series of spaced slots, the slots of one series being disposed intermediate of the slots of the other series, a housing secured on the inner face of the rim bridging each slot, a calk in each housing having its outer portion received in each slot, said calks, when in retracted position being disposed angularly in the housings and when in projected position having portions thereof resting against the inner wall of the housing, and means for moving the calks to either of said positions.

1,509,780. DOORCHECK. NEILL A. ROBERTSON, Oakfield, Me. Filed Sept. 4, 1923. Serial No. 660,834. 2 Claims. (Cl. 292—198.)



1. A door check comprising a catch adapted for pivotal attachment to a door, a spring for holding said catch at a constant angle to the door, a keeper adapted for attachment to a stationary object, said keeper comprising a plate, a pair of lips carried by said plate and forming a hook for receiving the catch, said lips being spaced from the stationary object to permit the catch to pass freely around the same, one of said lips presenting a bearing surface to the catch to guide the same into the hook, and a spring pressed bumper carried with the catch and adapted to engage said keeper.

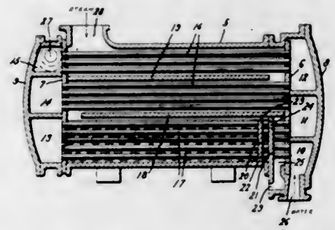
1,509,781. COMBINED LEASH AND WHIP. ADOLPH ROTH, New York, N. Y. Filed Aug. 2, 1923. Serial No. 655,315. 3 Claims. (Cl. 119—96.)

1. A device of the character described comprising a length of material having a loop formed on one of its ends, the other end of said material being bent backwardly upon itself to form a looped portion, said second mentioned end being secured to the first-mentioned end



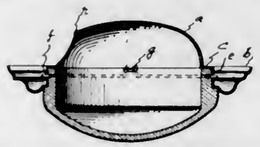
by stitching, a stiffening element interposed between said overlapped ends, and attaching means carried by said first-mentioned looped end.

1,509,782. FEED-WATER HEATER. FREDERICK SAMUELSON, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1921. Serial No. 501,703. 4 Claims. (Cl. 257—236.)



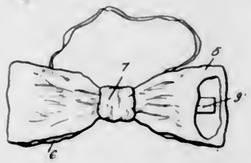
1. A feed water heater comprising a casing, tubes in the casing over which heating elastic fluid flows and through which feed water to be heated flows, and means dividing the tubes into three portions, a portion over which the elastic fluid flows and is condensed, a portion which is surrounded by condensed elastic fluid, and a portion over which the air and non-condensable gases flow.

1,509,783. DOME LIGHT. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Sept. 17, 1923. Serial No. 663,018. 7 Claims. (Cl. 240—41.)



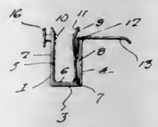
1. In a dome light, the combination of a shell forming the reflector and lens frame in a single piece, a spring member protruding through said shell to form a part of a bayonet lock, and a lens provided with a bayonet recess in the glass for engaging said spring members.

1,509,784. NECKTIE. ADOLPH SCHRETER, Baltimore, Md. Filed June 21, 1923. Serial No. 646,857. 1 Claim. (Cl. 2—154.)



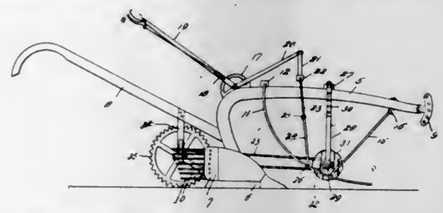
In a necktie construction, a body portion, a necktie interior for positioning in the body portion and including a padding strip, a reinforced fabric stiffening member secured to the padding strip and the edges of the fabric stiffening member being substantially spaced from the edges of the padding strip, to allow the edges of the body portion to bend.

1,509,785. BUTTON AND SUPPORT THEREFOR. ROBERT C. SCOTT, Port Arthur, Tex. Filed Mar. 17, 1924. Serial No. 699,786. 2 Claims. (Cl. 24—80.)



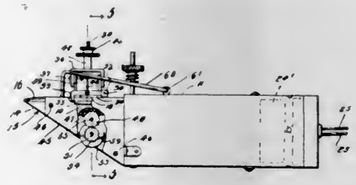
1. A device of the class described comprising a substantially U-shaped frame, the upper end of one of the arms thereof forming a stationary jaw, a clamping jaw pivotally supported at its lower end adjacent the lower end of the other arm of said U-shaped frame, an actuating lever pivotally supported on the upper end of the last mentioned arm, the inner end of said lever being bent at substantially right angles thereto for engagement with said clamping jaw for moving the same inwardly for co-operation with the stationary jaw, the outer free end of said lever being curved and adapted for engagement with the base portion of said U-shaped frame for holding the lever in a locked position, and a button associated with the outer face of the stationary jaw.

1,509,786. POTATO DIGGER AND VINE CUTTER. THOMAS SIMON, Mullica Hill, N. J. Filed Sept. 20, 1923. Serial No. 663,742. 3 Claims. (Cl. 55—107.)



1. In combination with a plow including a beam having a plow share, a substantially U-shaped vine lifting member having its intermediate portion extending transversely of and resting upon the rear portion of the beam, said vine lifting member having its legs depending and curved forwardly and downwardly, a bail pivoted to the forward portions of the legs of said vine lifting member and having its upper end pivoted to the forward end of the beam, and manually operable means attached to the legs of said vine lifting member for raising the latter or permitting the lowering of the same.

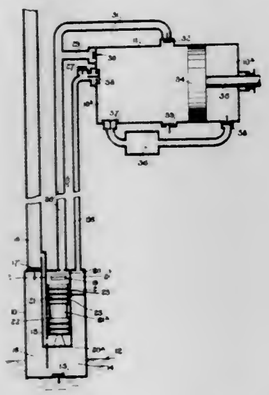
1,509,787. CLIPPER. HARRY O. SMITH, Los Angeles, Calif. Filed Aug. 25, 1923. Serial No. 659,286. 2 Claims. (Cl. 30—1.)



1. In a clipper, a head, a stationary cutter blade carried by said head, a block slidable in said head and having upstanding bosses, a cutter plate having recesses enlarged with respect to said bosses and receiving them,

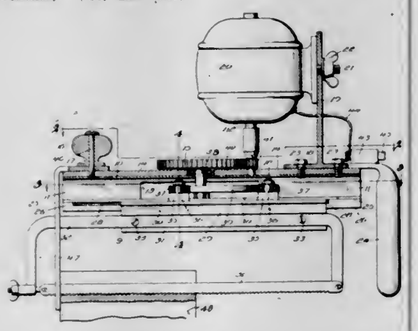
said cutter plate coacting with said stationary cutter blade, said head having a recess, a roller journaled to rotate in said recess, a gear rotatable with said roller, teeth formed on the under side of said block, and a gear meshing with said first named gear and said teeth and adapted to move said block when said roller is rotated.

1,509,788. FLUID PUMP. ALBERT HOWELL SPROULE and KENNETH RODAS DEVAIGNES SHAW, London, England. Filed Mar. 5, 1923. Serial No. 622,962. 12 Claims. (Cl. 103—245.)



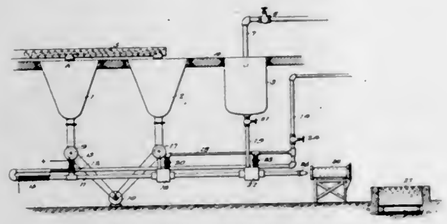
1. In a fluid pump for mining or other purposes, a pumping chamber located near to the fluid to be pumped having suction and delivery chambers and valves to control the inlet and delivery of the fluid, an air compressor located at a distance, compressed air and suction pipes leading from the compressor to the pump chamber, a valve located in a compartment in the pump chamber and operated automatically by the variation of pressure, means to permit the return of the residual compressed air in the air pipe to the compressor so as to supercharge the same, and a valve controlled outlet on the suction pipe to permit pressure air in the suction chamber to be discharged when they are placed in communication by the automatic valve in the pump chamber.

1,509,789. SAWING MACHINE. CHARLES H. STANTON, Chicago, Ill., and ELWOOD C. DESSEM, Worthington, Minn. Filed May 18, 1922. Serial No. 561,922. 3 Claims. (Cl. 29—73.)



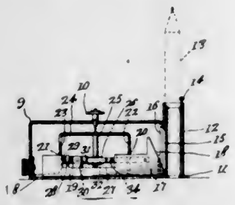
1. In a device of the class described a supporting frame including spaced side members having longitudinal guideways in their confronting faces, a saw carrier having lateral ribs engaging in said guideways and depending below the line of said frame and adapted to support a saw from said depending portion, spaced studs rising from said saw carrier, a stub shaft mounted in said frame above the saw carrier, a cam device carried by said stub shaft and operating between said studs, and means for rotating said stub shaft and the cam device carried thereby to impart reciprocating movement to said saw carrier.

1,509,790. PROCESS FOR MAKING ELECTRODES. JOHN M. STEPHENSEN, Brooklyn, N. Y. Filed Apr. 1, 1922. Serial No. 548,602. 19 Claims. (Cl. 204—29.)



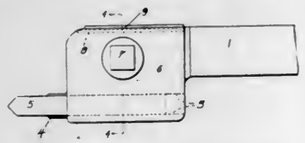
1. A process for preparing a mixture for making electrodes, comprising the forcing of a prepared carbon through a pipe line, and spraying a binder onto the prepared carbon as it passes along the pipe line.

1,509,791. INDICATOR FOR USE IN CARD GAMES. JOSIAH PERCIVAL STEVENS, Atlanta, Ga. Filed May 21, 1923. Serial No. 640,452. 4 Claims. (Cl. 46—55.)



1. An indicator for card dealers and the like comprising a rotary pointer, a disc in fixed relation thereto having flat sides, reciprocating means acting off-center against the flat sides of the disc for initiating the rotary movement therein, and resilient keeper means associated with the disc and adapted to bear against the flat sides thereof, said keeper means acting to take up and complete the movement of the disc and pointer and acting further to arrest the disc at the end of its movement.

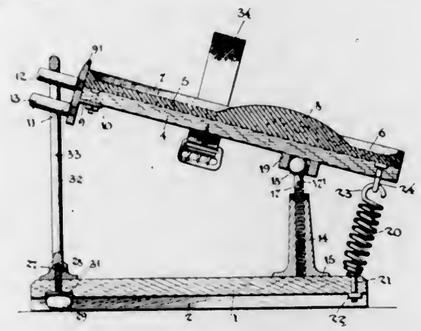
1,509,792. TOOL HOLDER. KARL STUDINKA, Donora, Pa. Filed Nov. 19, 1921. Serial No. 516,413. Renewed Feb. 18, 1924. 1 Claim. (Cl. 39—99.)



A tool holder of the character described comprising a body portion, a head formed on one end of the body portion and being provided with a laterally offset longitudinally disposed tool receiving groove, a boss formed on said head at the forward end thereof and providing a continuation for the bottom of the groove, a clamping plate adjustably secured to the head and being adapted

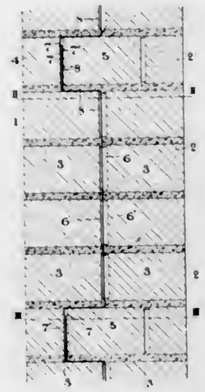
to hold said tool operatively positioned in the groove and a substantially V-shaped rib depending from one end of the plate to provide a fulcrum upon which the plate rocks as and for the purpose specified.

1,509,793. EXERCISING APPARATUS FOR THE FEET. RALPH S. THOMPSON, New York, N. Y. Filed Jan. 7, 1924. Serial No. 684,817. 31 Claims. (Cl. 46—69.)



12. In an exercising apparatus a spring controlled treadle element provided with an arch support, adjustable means to provide for the shifting of said element on its transverse and longitudinal axis on the application of pressure thereto, and means for imparting to said element an arcuate movement when shifted.

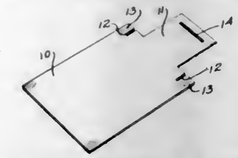
1,509,794. BUILDING WALL. ROBERT THOMSON, London, England. Filed June 16, 1923. Serial No. 645,814. 4 Claims. (Cl. 72—37.)



1. Walling which comprises two leaves that are bonded into each other, a staggered vertical series of insulating air spaces between the upright meeting faces of the out and the in bonding portions of said leaves, and an insulating sheeting of waterproofed material interposed between said leaves, dividing said insulating spaces into two separate parallel sets of insulating air spaces which completely separates from one another, and which sheeting at the same time also insulates the inner leaf and separates the two leaves of the wall from each other.

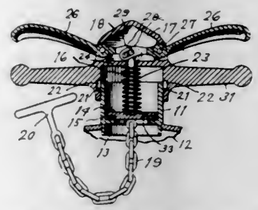
1,509,795. ROOFING. JOHN FRANCIS TINER, San Antonio, Tex., assignor of one-half to John E. Tiner, San Antonio, Tex. Filed June 30, 1923. Serial No. 648,798. 6 Claims. (Cl. 108—8.)

1. A roof made up of interlocking shingles, each shingle having a slit near each lower corner forming a tongue, and having at its lower end a shank portion of less width than the body portion, said shank portion having



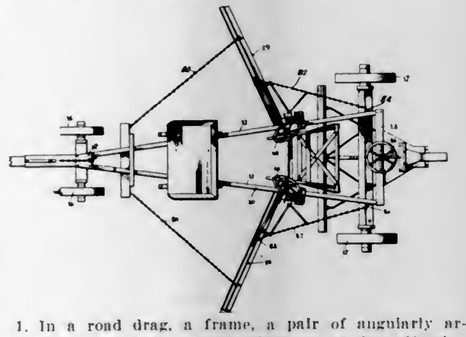
a transverse slot in its lower end receiving the adjacent tongues of two shingles in the subjacent course.

1,509,796. COVER FOR GASOLINE TANKS. TOKUSABURO TOKUHISA, Los Angeles, Calif. Filed Feb. 26, 1923. Serial No. 621,302. 6 Claims. (Cl. 220—24.)



1. In a quick-detachable tank cover, the combination with a nipple adapted to be secured to the tank opening, of projecting pins on opposite sides of the nipple, an annular flange projecting inwardly within the nipple and forming a valve seat, a cap for the nipple having integral arms, and grooves on the inner wall thereof adapted for engagement with the projecting pins on the nipple, a valve member within the nipple and an integral stem on the valve member, levers pivotally mounted relative to the cap, a cross bar on the end of the valve stem, slotted extremities on the levers in engagement with the cross bar, a partition wall within the cap and beneath the cross bar, a spring interposed between the partition wall and the valve member, and a chain and anchor fixed to the bottom of the valve member and retaining the cap relative to the tank when detached from the nipple.

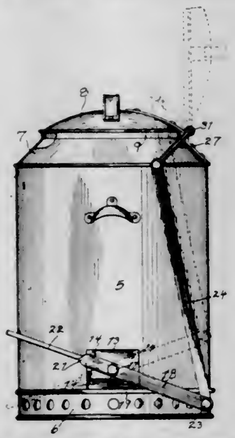
1,509,797. ROAD MACHINERY. WALTER LANDON TOWNER, Muskogee, Okla. Filed Oct. 1, 1921. Serial No. 504,741. 10 Claims. (Cl. 37—154.)



1. In a road drag, a frame, a pair of angularly arranged scraper blades, independent means for adjusting each scraper blade and including a standard carried by said frame, rack and pinion mechanism for adjusting said standard, means for pivotally connecting the scraper blade to the standard whereby it can be swung vertically and horizontally, means for adjusting the standard vertically including a fixed yoke carried by the upper end of the standard, a swinging yoke carried by the fixed yoke, a nut having trunnions journaled in the swinging yoke, a controlling shaft having a screw engaged with the nut, a hand wheel on the upper end of said controlling shaft and a swivelled connection be-

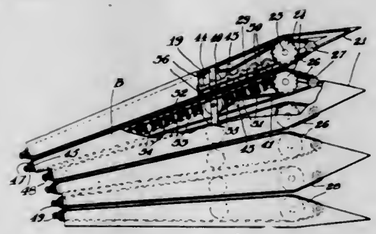
tween the lower end of the controlling shaft and the scraper blade, and means for adjusting the scraper blade horizontally including a rotatable control rod mounted on the standard and having a handle at its upper end, and a crank arm at its lower end connected with the scraper blade.

1,509,798. CONTAINER. ARTHUR A. VANCE and GERALD H. WESTOVER, Richmond, Calif. Filed Dec. 15, 1922. Serial No. 607,138. 1 Claim. (Cl. 220—36.)



In a device of the character described, a receptacle having a conical-shaped portion, a ring-shaped base secured to the base of said receptacle, a plate secured to the side of said receptacle at a point in close proximity to said ring-shaped base, a collar formed on said inclined conical-shaped portion, a cover adapted to rest on said collar, hinged portions parallel spaced and secured to said cover, hinged portions parallel spaced and secured to said inclined conical-shaped portion, a rod extending through said hinged portions and secured to the hinged portions fastened to said cover, said rod having a bent end, a link pivoted to said bent end, a lever pivoted to said plate, one end of said lever being pivoted to said link, and the opposite end of said lever being bent at right angles to the major portion of said lever so as to provide a flattened pedal portion.

1,509,799. FLAX-HARVESTING MACHINE. CHARLES HENRI VESSOT and CHARLES ULYSSES VESSOT, Ottawa, and GEORGE A. PILKEY, Corona, Ontario, Canada. Filed Jan. 29, 1920. Serial No. 355,805. 9 Claims. (Cl. 55—66.)



1. A flax pulling machine having a plurality of pulling belts, sprocket chains extending beneath and supporting the belts, and means for tensioning the belts independently of the chains.

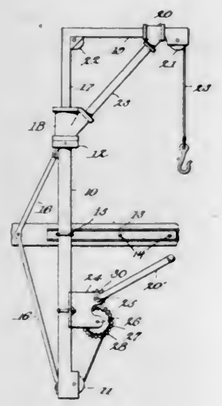
3. In a flax puller, the combination with a pulling belt, of an adjustable pulley, a central spindle therein, pins extending into the spindle, frames having slots slidably supporting the pins, angle brackets connected to the pins, brackets on the frames, and adjusting screws extending through the brackets on the frames and engaging the angle brackets.

4. In a flax puller, a pulling belt, a chain underlying the pulling belt, a supporting pulley engaging the belt and having a central peripheral recess, a sprocket having teeth extending in the central peripheral recess and adapted to engage the chain, a central spindle, a frame, and supporting members on the frame releasably connected to the spindle.

5. In a flax puller, a pulling belt, an adjustable supporting roller for the belt, a driving shaft, a driving connection between the driving shaft and the supporting roller, including a shaft and supporting means therefor permitting a slight rocking movement of the shaft.

6. In a flax puller, a pulling belt, a supporting roller for the same, a driving shaft, a gear driven from the driving shaft, a tapered socket connected to the gear having an enlarged upper portion adapted to permit slight rocking movement of any shaft located in the socket, and a shaft connected to the supporting roller and to the gear extending in the aforesaid socket.

1,509,800. LIFT. REINHOLD VOGEL, Wilton, Conn. Filed Apr. 7, 1922. Serial No. 550,327. 1 Claim. (Cl. 212—61.)

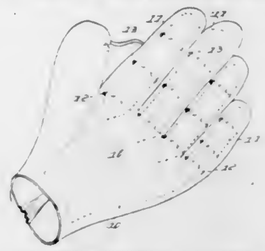


In a device of the character described, the combination with a chassis frame of a vehicle, a tubular section detachably secured midway its ends to the chassis frame, a prop having converging members secured to the section and frame respectively and being adapted to brace the section in upright position, a thrust bearing formed on the upper end of the tubular section, a Y-shaped fitting forming a portion thereof, an angle shaped tubular section telescopically mounted within the first mentioned tubular section and passing through the Y-shaped fitting in a manner whereby this angle shaped section is rotatably mounted through the medium of the bearing, the Y-shaped fitting formed on the outer end of the angle shaped section, a brace connecting the Y-shaped fittings, a winch mounted on the first tubular section below the chassis frame, sheaves mounted in rotation within the respective sections, and a cable mounted for movement within the sections and being operatively associated with the sheaves and the winch as and for the purpose specified.

1,509,801. SPORT GLOVE. DELONIA B. WALTERS, Ballengee, W. Va. Filed Nov. 23, 1922. Serial No. 602,784. 1 Claim. (Cl. 2—19.)

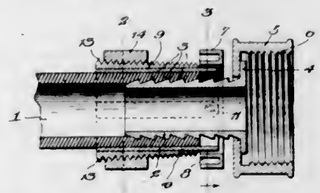
A glove for the purpose indicated having inner and outer padding disposed at the back of the hand, and a reinforcing member consisting of a flat plate and flat jointed finger elements, said plate and finger elements being embedded between said inner and outer padding, and the finger elements having rule joint connections with the plate and consisting each of a plurality of sections similarly jointed together to provide for inward folding

movement of said finger elements but to limit outward movement of the same to the plane of the plate, the free



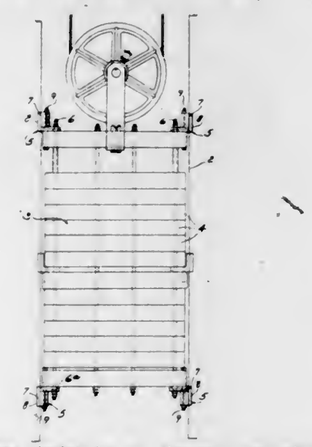
extremities of the finger elements projecting slightly beyond the ends of the fingers of the wearer to protect the fingers from the impact of an object.

1,509,802. HOSE COUPLING. JOSEPH F. WEIGAND, Evansville, Ind. Filed Dec. 24, 1920. Serial No. 432,911. 1 Claim. (Cl. 285—84.)



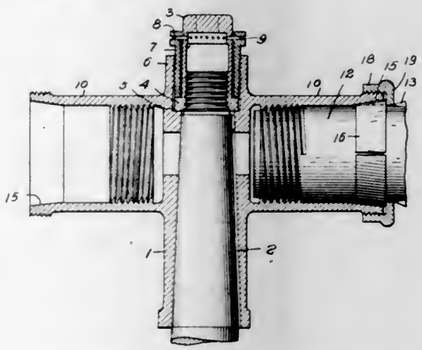
A coupling device of the character described, comprising a retaining element having a base and an integrally formed interior collar concentrically arranged with respect thereto semi-circular sections pivotally secured at their ends to said interior collar retaining member and adapted to have independent relative movements, said sections being adapted to surround a conduit, and a nipple positioned within the conduit, an adjustable nut mounted on said sections for moving the independently movable sections toward each other on an adjustment of the nut in one direction to clamp the conduit upon the nipple, and a coupling member carried by the nipple.

1,509,803. COUNTERBALANCE FOR ELEVATORS. ALFRED T. BROWN, Cincinnati, Ohio, assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 26, 1921. Serial No. 518,041. 4 Claims. (Cl. 187—94.)



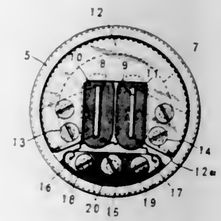
2. A slide-way device for an elevator counterbalance engageable with the shaft guide, comprising weight blocks of less width than the distance between the members of the shaft guide, said weight blocks non-engaged with said guide, stepped brackets on the ends of the weight blocks, tie-bolts passed through said blocks and said brackets, said brackets having laterally projecting portions formed with bearing grooves engaging the guides and tie-rods passing through cored orifices in the weight block castings and also passing through and constituting one of the holding members for said bearing brackets.

1,509,804. PROPELLER. THOMAS A. DICKS, Pittsburgh, Pa., assignor to Standard Steel Propeller Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1923. Serial No. 660,627. 6 Claims. (Cl. 170—160.)



1. A propeller having in combination a hub having sockets extending radially therefrom, said sockets being internally threaded adjacent to their inner ends, blades having stems having their end portions threaded, and means whereby a solid bearing may be formed between the sockets and stems at points beyond the threaded portions of said parts.

1,509,805. TELEPHONE RECEIVER. HAROLD P. DONLE, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Inc., Meriden, Conn., a Corporation of Connecticut. Filed Apr. 25, 1922. Serial No. 556,402. 6 Claims. (Cl. 179—117.)

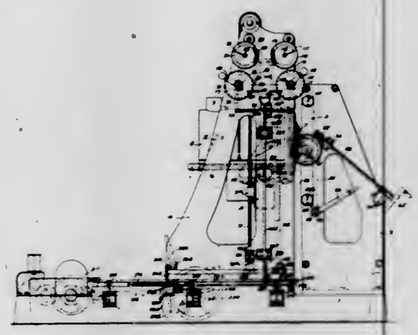


1. In a telephone receiver, a casing, a U-shaped magnet therein having pole pieces and coil windings, a U-shaped plate overlying said magnet and said coil windings, and means for holding said plate and said magnet and windings in place.

1,509,806. PHOTOPRINTING MACHINE. OSCAR FOURNIER, Symmes Township, Hamilton County, Ohio, assignor to The United States Playing Card Company, Norwood, Ohio, a Corporation of Ohio. Filed Mar. 29, 1922. Serial No. 547,840. 20 Claims. (Cl. 95—75.)

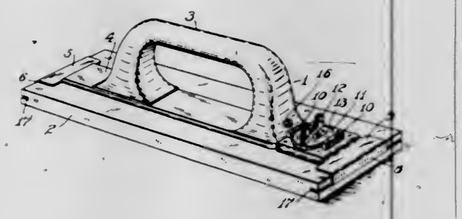
1. In a centering device, in combination with means for supporting a negative, a frame, supporting on its opposite faces in mutual parallelism, respectively a

translucent plate and a sensitized plate, said frame being symmetrically rotatable for alternately opposing



said plates to said negative, and means for positionally and contactually adjusting said negative relative to both plates.

1,509,807. PLASTERER'S REVERSIBLE FLOAT. LOUIS E. GRAY, Indianapolis, Ind., assignor to Copartnership composed of said Louis E. Gray and James S. Judy, both of Indianapolis, Ind. Filed Dec. 18, 1922. Serial No. 607,550. 9 Claims. (Cl. 72—136.)



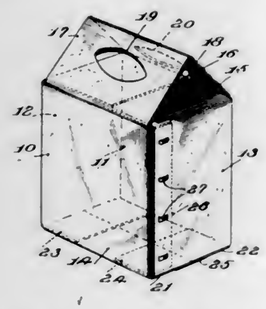
1. In a plasterer's float the combination with a reversible blade having its opposite faces each forming a working surface, of a handle therefor and means detachably gripping opposite edges of the blade for securing said handle to the blade and permit the use of either face of the blade.

1,509,808. DICHLORINATED DERIVATIVE OF THE N-DIHYDRO 1, 2, 2^1, 1^2-ANTHRAQUINONE-AZINE AND A NEW PROCESS FOR MAKING SAME. GEORG KALISCHER and HEINRICH SALOWSKI, Mainkur, near Frankfort-on-the-Main, Germany. Filed Apr. 10, 1924. Serial No. 705,652. 2 Claims. (Cl. 260—31.)

1. The manufacture or production of a new dichlorinated N-dihydro 1, 2, 2^1, 1^2 anthraquinoneazine which consists in allowing chlorine to act on N-dihydro 1, 2, 2^1, 1^2 anthraquinoneazine in a medium of molten sulfur at temperatures about 200° C. and at ordinary pressure.

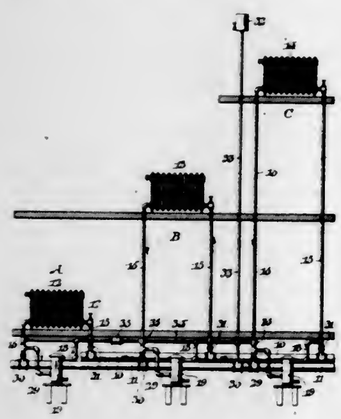
2. As a new article of manufacture the dichlorinated N-dihydro 1, 2, 2^1, 1^2 anthraquinoneazine, produced from N-dihydro 1, 2, 2^1, 1^2 anthraquinoneazine by treating it in a medium of molten sulfur at temperatures about 200° C. with chlorine, being in the dry state a blue powder difficultly soluble in the usual organic solvents, soluble in concentrated sulfuric acid with a brownish olive color, soluble with an alkaline hydrosulfide solution to a blue colored vat and dyeing cotton bright greenish blue shades which are distinguished by their excellent fastness to chlorine, equal in this respect to the tri- and tetra-chlorinated derivatives.

1,509,809. BOX. FERDINAND M. KAUFMAN, Atlanta, Ga., assignor to Empire Printing and Box Company, Atlanta, Ga., a Corporation of Georgia. Filed Mar. 6, 1923. Serial No. 623,149. 1 Claim. (Cl. 229—16.)



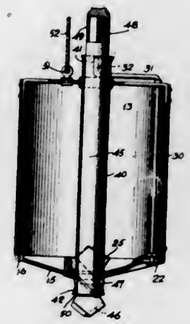
A box formed from a blank substantially rectangular in outline and comprising a central portion having bottom-forming tabs projecting from one side thereof, and flaps projecting from the opposite side thereof, said flaps being of a length substantially equal to the corresponding transverse dimension of the box, one pair of the flaps overlapping when the box is closed, and completely closing the upper end of the box, the remaining pair of flaps having hand admitting apertures, whereby the box may be carried by a hand of a carrier and said first named flaps held in closed position.

1,509,810. HEATING SYSTEM. JOHN F. MACINDOE, Philadelphia, Pa., assignor of one-half to L. Irving Reichner, Philadelphia, Pa. Filed Aug. 4, 1922. Serial No. 579,558. 3 Claims. (Cl. 237—56.)



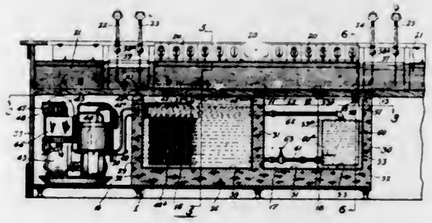
2. In a continuous hot water circulating system including supply and return pipes, a heating branch containing a radiator with a riser and a drop line respectively connecting said radiator to the supply and return pipes of the system, a conduit interposed between the riser and drop line and in communication therewith, a water heater comprising a boiler having its inlet and outlet openings connected in the conduit to form a continuation of the latter, a burner for heating the boiler whereby the water may be heated to set up a local path of circulation including the radiator, conduit and boiler, and means permitting the accumulation of pressure in the radiator and the escape therefrom of any excess pressure into the system.

1,509,811. DIGGING BUCKET. WILLIAM J. PATZKE, Miller, S. Dak.; Emma A. Patzke administratrix of said William J. Patzke, deceased. Filed Apr. 9, 1921. Serial No. 459,850. 1 Claim. (Cl. 255—67.)



A device of the character described comprising a rod having a digging tool, a bucket slidably mounted on said rod, a pin carried by the rod and adapted to engage the sliding bucket to lock the bucket against sliding movement, a hinged bottom door for said bucket, a lever extending through the bucket and having a right-angular upper end, said lever serving to release the door and permit it to swing about its hinged point to discharge the contents of the bucket.

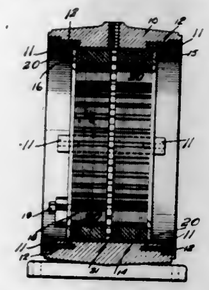
1,509,812. REFRIGERATED FOOD AND DRINK DISPENSING CABINET AND METHOD OF COOLING LIQUIDS. JOHN R. REPLOGLE, Detroit, Mich., and HARRY J. WALKER, Chicago, Ill.; said Replogle assignor to Nizer Laboratories Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 6, 1923. Serial No. 661,136. 21 Claims. (Cl. 62—177.)



1. In drink dispensing apparatus, the combination in a unitary structure of a section for cooling liquids on draft comprising a water-holding tank, a coil immersed in the water in said tank adapted to be connected at one end with the source of supply of liquid and at its other end with the draft means of the apparatus, and a conduit for cooling fluid also immersed in said water; means for causing flow of cooling fluid through said conduit; and a section for bottled goods and the like disposed adjacent the water-holding tank and comprising a dry chamber separated from the water in said water-holding tank by a heat conducting wall.

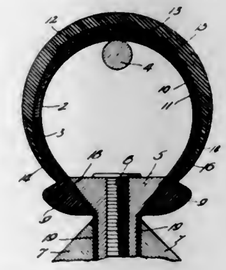
1,509,813. ELECTRIC MOTOR. JOSEPH MANASCO RODRIGUEZ, Brooklyn, N. Y. Filed Aug. 29, 1921. Serial No. 496,247. 5 Claims. (Cl. 171—252.)

3. In a motor including a casing having guiding means provided therein and extending longitudinally of it, a stator for removably mounting in said casing, comprising a plurality of laminations clamped between plates,



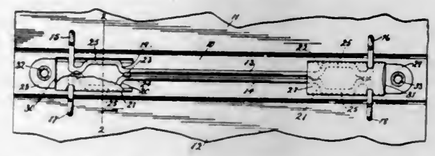
said plates extending beyond the laminations and being provided with means for slidably engaging the guiding means provided in the casing.

1,509,814. METHOD FOR MAKING PNEUMATIC-TIRE CASINGS. JOHN L. G. DYKES, Chicago, Ill., assignor, by mesne assignments, to Heller-Dykes Corporation, a Corporation of Illinois. Filed Mar. 14, 1921. Serial No. 452,017. 28 Claims. (Cl. 154—14.)



23. The process of making a pneumatic tire, comprising the building thereof in general tire form, but of less diameter than the ultimate product, providing the tire with predetermined surplus fibre material having trimmed edges, expanding and stretching the tire to full diameter by fluid pressure in direct contact with the interior thereof, using said surplus fibre material to hermetically seal and hold the tire in position during said expanding and stretching thereof, and vulcanizing the tire while thus maintained in ultimate tire form, whereby the tire is one size when built complete and is larger when expanded by pressure in direct contact with the inner surface thereof, including the provision of a cured or partially vulcanized inner surface of the tire, previous to the stretching thereof, to prevent the fluid pressure from entering the wall of the tire.

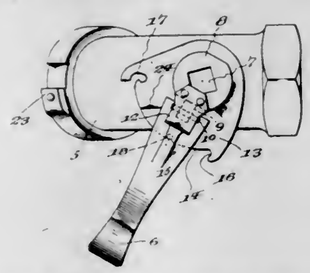
1,509,815. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Groves, Mo., assignor to Elma N. Dawson, Webster Groves, Mo. Filed Mar. 8, 1923. Serial No. 623,690. 5 Claims. (Cl. 129—24.)



1. In a loose leaf binder, the combination of a pair of short rigid arches with the crown portions thereof lying in spaced relation and the spring portions engaged to

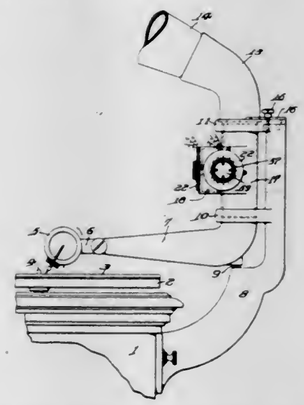
form a toggle joint, a spring clip in which the crown portions are rotatably mounted, and curved paper-holding prongs projecting from one spring portion only of each arch.

1,509,816. AIR-BRAKE VALVE. WILLIAM D. KENDRICK, Miami, Ariz. Filed Mar. 31, 1922. Serial No. 548,374. 3 Claims. (Cl. 251—165.)



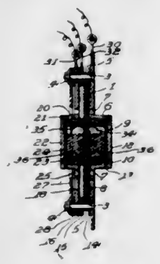
1. A valve of the character specified comprising a casing having a lateral segmental flange provided at one end with an approximately L-shaped locking slot and a stop lug forming one wall of the slot, a plug having a spring pressed pivoted handle provided with a depending lock pin engaging the outer edge of said segmental flange and adapted to be received in said approximately L-shaped slot, said stop lug being extended beyond the outer edge of said flange and being in the path of travel of said pin whereby to limit the movement of the pin and guide the same into said slot.

1,509,817. TELEPHONICALLY-OPERATED SOUND RECORDING AND REPRODUCING MACHINE. JAMES W. OWEN, Secane, Pa., and ALBERTIS HEWITT, Camden, N. J., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Aug. 25, 1916, Serial No. 116,773. Renewed Feb. 8, 1924. 5 Claims. (Cl. 179—100.1.)



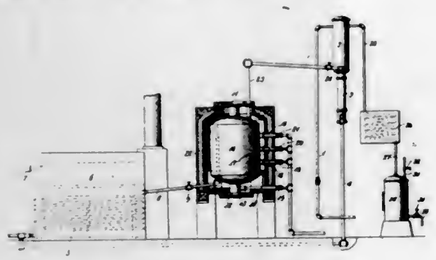
1. In a sound reproducing apparatus, the combination with means for reproducing sound from a record, means for conducting the reproduced sound therefrom including a tone arm, an amplifier, and a tubular conductor between said tone arm and said amplifier, of a flaring sound chamber extending laterally from said tubular conductor and adapted to receive sound therefrom, a microphone communicating with the interior of said chamber, an electrical circuit including a battery connected to said microphone, a receiver in said circuit adapted to convert electrical impulses into sound vibrations and an amplifier on said receiver, said microphone being adapted to respond to the sound vibrations in said chamber and to correspondingly vary the current in said circuit.

1,509,818. MICROPHONE. JAMES W. OWEN, Secane, Pa., and ALBERTIS HEWITT, Camden, N. J., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Original application filed Aug. 25, 1916, Serial No. 116,773. Divided and this application filed July 8, 1919, Serial No. 309,382. Renewed Feb. 8, 1924. 9 Claims. (Cl. 179—135.)



9. As an article of manufacture, a mica diaphragm having a coating of silver adhering thereto and substantially covering a face thereof.

1,509,819. APPARATUS FOR TREATING OILS. ROBERT T. POLLOCK, Brookline, Mass., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 25, 1924. Serial No. 722,397. 2 Claims. (Cl. 196—107.)



1. In an apparatus for converting oil, the combination with a furnace, of a continuous heating coil disposed therein through which oil is passed to be subjected to a cracking temperature, of an enlarged vertically disposed insulated expansion chamber located outside of said furnace, means for introducing the heated products of conversion from said heating coil to be discharged into the upper portion of said expansion chamber, a vapor discharge line leading from said expansion chamber near its upper end, a plurality of independently controlled residual draw-off lines leading from said expansion chamber at different vertical positions, independent means for controlling each draw-off line, and a carbon discharge in the bottom of said chamber, and means for controlling the discharge of carbon therefrom.

Patents Nos. 1,509,820 to 1,510,451.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Reissues	3	No. 15,920 to No.	15,922, inclusive.
Designs	35	No. 65,682 to No.	65,716, inclusive.
Patents	632	No. 1,509,820 to No.	1,510,451, inclusive.
Total	919		

Cuba—Patent and Trade-Mark Fees.

U. S. PATENT OFFICE, *Washington, Sept. 19, 1924.*

The following communication from the Secretary of State is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

DEPARTMENT OF STATE, *Washington, Sept. 15, 1924.*

The honorable the Secretary of the Interior.

SIR: Referring to previous correspondence, I have the honor to say that the department has received a telegram from the American Ambassador at Habana in which he states that President Zayas, by Decree 1178, revoking Decree 643 of September 15, 1923, orders immediate delivery, without further payment, of those certificates of registration of patents and trade-marks, the fees for which were embezzled by employees of the Cuban Government.

I have the honor to be, sir, your obedient servant,

For the Secretary of State:
LELAND HARRISON,
Assistant Secretary.

Notices of Cancellation.

U. S. PATENT OFFICE, *Washington, Sept. 17, 1924.*

Ernest T. Wix, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Dae Health Laboratories, Inc., 113 West Eighteenth Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Ernest T. Wix, 1212 Pierce Street, Sioux City, Iowa, doing business as Wixated Iron Co., No. 179,169, dated February 5, 1924, and the notice of such proceeding sent by registered mail to the said Wix at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Wix, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Boston Pneumatic Action Company, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of the M. S. Wright Company, of Worcester, Mass., to effect the cancellation of the trade-mark registration of the Boston Pneumatic Action Company, of 1075 Washington Street, Boston, Mass., No. 83,132, dated August 22, 1911, and the notice of such proceeding sent by registered mail to the said Boston Pneumatic Action Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Boston Pneumatic Action Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimers.

1,372,157.—*Allan L. McGregor*, Chicago, Ill. BUMPER FITTING. Patent dated March 22, 1921. Disclaimer filed September 11, 1924, by the assignee, *The C. G. Spring & Bumper Company.*

Hereby enters this disclaimer—

"To claims 1, 2, and 4 of the said patent, which are in the following words, to wit:

"1. A fitting adapted to be permanently fixed to the end of a vehicle frame member, and comprising a head projecting beyond the end of the frame member, and an integral support for a bumper.

"2. A fitting adapted to be permanently connected at the end of a vehicle frame member, and comprising a shank portion extending lengthwise of said frame member, a head adapted to be connected with the end of a vehicle spring, and an integral support for the attaching member of the bumper.

"4. A bumper attaching fitting adapted to be permanently built into the end of a vehicle frame member, and comprising a shank portion adapted for overlapping connection with said frame members, a head beyond the end of the frame member, and a support for a bumper integral with said head."

1,413,788.—*John F. Rule*, Toledo, Ohio. METHOD AND MEANS FOR FORMING AND TRANSFERRING GOBS OF MOLTEN GLASS. Patent dated April 25, 1922. Disclaimer filed September 6, 1924, by the assignee, *The Owens Bottle Company.*

Hereby enters this disclaimer—

"To claim 7 in said patent, which is as follows, to wit:

"The combination of a partible gob forming receptacle open at its upper end to receive molten glass, and means to invert and open the receptacle."

Condition of Applications Under Examination at Close of Business September 19, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 60,131. Trade-Mark Division, 2,036. Oldest new case, Jan. 12, 1924; oldest amended, Jan. 18, 1924. The dates given are 1924.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 1	Mar. 3	1,024
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 26	Mar. 17	764
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	May 12	May 15	427
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	Apr. 28	906
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Feb. 6	Feb. 9	1,058
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 2	Jan. 22	1,164
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Mar. 17	Mar. 18	1,721
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Apr. 1	June 6	1,366
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 25	July 5	729
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 20	Apr. 2	1,520
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	May 9	May 1	954
380	12. PIERCE, P. P., Machine Elements	Apr. 19	Apr. 10	1,069
154*	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 18	Mar. 18	1,130
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 18	July 5	651
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 3	Mar. 7	1,391
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 23	Feb. 18	1,370
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 24	Apr. 23	889
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 23	Jan. 19	1,346
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 1	July 3	835
179	20. WRIGHT, H., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 15	Mar. 28	1,256
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Mar. 3	July 5	636
106	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Feb. 28	Feb. 28	1,273
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Mar. 11	Mar. 1	486
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 10	Mar. 22	858
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	June 12	June 20	638
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Feb. 4	Feb. 4	821
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 3	Apr. 11	1,044
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 27	Apr. 18	1,074
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 23	Mar. 3	1,139
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Apr. 1	Mar. 3	1,226
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar 17	Mar. 1	1,000
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 4	Mar. 4	936
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 24	Apr. 16	1,266
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Apr. 19	Mar. 31	824
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	May 27	June 3	702
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 9	Mar. 24	1,469
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 17	Mar. 18	1,529
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 27	Mar. 26	1,159
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 31	Apr. 10	671
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 9	May 19	1,903
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 21	Apr. 14	715
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 12	Jan. 18	1,628
124*	43. HOPKINS, F. M., Baths, Closets, Sinks and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 8	Feb. 16	1,264
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 28	Apr. 3	1,079
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Feb. 23	Feb. 7	1,012
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 31	Jan. 24	1,148
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 19	Feb. 27	1,375
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 19	Feb. 8	1,996
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 12	Feb. 14	992
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 18	Feb. 2	1,719
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 29	Feb. 21	2,080
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 8	May 14	868
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 5	Mar. 4	1,573
102	DESIGNS: C. O. MARKHAM (Acting)	Aug. 7	Aug. 26	428
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	Aug. 19	Aug. 2	1,750
	{Labels and Prints	Aug. 19	Aug. 23	286

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE KOHLER AND SMITH.

Decided June 6, 1923.

INVENTION—ADVANTAGES—COMMERCIAL USE.

Where advantages are obtained and the device has gone into commercial use as a result of a change in an otherwise old structure and the prior art fails to disclose anything suggesting this change in any similar devices, these facts are persuasive where there exists a reasonable doubt that the change was not obvious.

(Note.—This application has resulted in Patent No. 1,474,154, November 13, 1923.)

APPEAL from the Examiners in Chief.

ANCHORAGE UNIT.

Mr. C. P. Goepel for the applicants.

KINNAN, *First Assistant Commissioner:*

The applicants have appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to some five claims, of which claims 1 and 2 will serve for illustrative purposes:

1. An anchorage unit consisting of a plurality of permanently assembled elements comprising an expanding member and an expansion member movable relative to the expanding member and a ram for the expansion member engaged with the expanding member and constituting a permanently connected component part of the anchorage unit.

2. An anchorage unit consisting of a plurality of permanently assembled elements comprising an expanding member, an expansion member movable relative thereto and a tubular ram frictionally engaged upon the expanding member and constituting a permanently connected component part of the anchorage unit.

The references are: Waage, 1,302,609, May 6, 1919; Ackerman, 1,265,866, May 14, 1918.

The claims are directed to the means for securing a socket or anchorage unit in a masonry structure. The specific use mentioned is in connection with a concrete floor to which some devices, such as theater chairs, are to be attached. The device comprises the expanding member, conical at one end and cylindrical for a portion of its length, and also having an internal screw thread, also a soft-metal expansion member and tubular ram made to frictionally engage the end of the expanding member and adapted to be driven upon the expanding soft-metal member to suitably wedge the expanding member in position.

The reference Waage discloses substantially the same mechanical parts, although differing in shape and relative size. Presuming it to be admitted, as it must be, that Waage could remove the bolt 16 and insert it after the anchor was placed in permanent position, in the manner in which appellants insert their bolt shown in Figure 3, there remains a construction substantially that set forth in the appealed claims. In the Ackerman patent there is also substantially the same expansion-bolt arrangement, and it may be considered obvious the bolt could be made hollow and have an internal screw thread in place of the external screw thread shown.

Without discussing the specific constructions further it will be sufficient to note that appellants rest their case upon the slight change they have made whereby the three parts are permanently assembled and are in position to be placed in the socket to receive them and the ram driven down at once, thereby saving the time and other inconveniences resulting from a necessity to assemble each part one after the other. Certain advantages, which are quite apparent, have been claimed for this change. The parts can be shipped, and being already assembled there is a minimum of loss of parts and loss incident to mistakes in improperly assembling the parts, as well as the loss of time. This advantage of permanent assemblage is obtained by having the ram frictionally engage the tubular end of the expanding member tight enough so that the device may be handled as a unit without its parts becoming separated. The tribunals below held that the change over the prior art was obvious. It has been submitted in the record that a considerable saving in the time of the workmen in placing the anchors in position has resulted from this change and that the device has gone into wide commercial use. These reasons are persuasive where there exists a reasonable doubt that the change was not obvious. No reference discloses the conception of having the parts permanently assembled, and since the result of doing this has proved valuable the conclusion seems reasonable that if the change were obvious it would have been made before. It is believed claims 2 and 4 define patentable subject matter and should be allowed. It is also thought the two additional claims presented in the brief in support of this appeal may be allowed. Claims 1, 3, and 5 do not define this construction, whereby the advantages claimed are realized, since they fail to state by what means the parts are held together. So far as set forth in these claims the parts might be fastened by a spring or wrapped with paper. It is not thought such an arrangement would be patentable. These claims do not define the invention which appellants have made.

The decision of the Examiners in Chief is reversed as to claims 2 and 4 and affirmed as to claims 1, 3, and 5. The two additional claims may be allowed.

U. S. Circuit Court of Appeals—Third Circuit.

SURBAUGH ET AL. *v.* HUBBARD & CO.

Decided July 21, 1922; rehearing denied October 10, 1922.

[282 Fed. Rep. 945.]

INVENTION—COOPERATION OF OLD ELEMENTS IN A NEW WAY—ADVANTAGEOUS RESULTS—CORRUGATIONS.

A patent for a corrugated shovel in which the corrugations of the shovel body extend over into the handle socket, thereby making the corrugations of the

blade proper cooperate in a new way with the handle socket, so as to increase the working strength of the shovel and at the same time lessen its weight by permitting the use of lighter material, is valid.

APPEAL from the District Court of the United States for the Western District of Pennsylvania; Charles P. Orr, judge.

Suit by John S. Surbaugh and another against Hubbard & Co. Decree dismissing the bill, and plaintiffs appeal. Reversed and remanded, with instructions.

Mr. Charles M. Clarke (*W. G. Doolittle* of counsel) for the appellants.

Mr. E. W. McCallister for the appellee.

Before BUFFINGTON, WOOLLEY, and DAVIS, Circuit Judges.

BUFFINGTON, *Cir. J.*:

This case concerns a patent for a shovel. Although one of the earliest and most generally used of tools, there has probably been the least inventive improvement made of it. When, therefore, we find a shovel which is more easily and more cheaply made, which couples to a lightness that eases labor a toughness that withstands use strain, and an evenness of balance that lessens torsional side turning, our attention is challenged by something novel in a practically unchanging art. Touching these advantages, we note the testimony of Grandon, a miner, who says:

Well, I have several reasons for using the Pacemaker. The first is the service it gives. It lasts longer than the Coal Bluff or any other shovel I have ever gotten hold of. And then it is so finely balanced; it doesn't turn in your hand. It is even a finer balance, and the weight is more equally distributed over the surface, than any shovel I ever used. That's why I use it. * * * A miner would pick up a shovel, and he looks at the way it balances in his hand. Then he puts it down on the floor and tries it that way. If it bends very easily, he throws it aside, and he will take up another one, until he finds one that is reasonably strong. That's the proof of a good shovel. There are two proofs; the only ones I ever used in my life is how the shovel would balance when you held it ready for work, and as to its strength when you bear on it. That's the only way I ever demonstrate a shovel.

Barnes, another miner, testified:

Q. 13. Tell us why you prefer these other two shovels to this hollow-backed shovel. A. Why, they don't split down the center, like the hollow-backed shovel. And there's more strength to them grooves in them, or corrugations, as they call them, prongs; and your coal don't stick on your shovel, like it does on that shovel there. Q. 14. You mean that your coal does stick on your shovel in using the hollow-back? A. Yes; it will stick on it, if it is a little damp. Q. 15. And it will not stick on the Coal Bluff or Pacemaker? A. No, sir; them forks there, I believe, get it and take it off. Q. 16. Did you ever use either of these shovels, Coal Bluff or the Pacemaker, in prying operations? A. Yes, sir. Q. 17. Is there any advantage in them for that purpose? A. Yes; they are a better shovel for that business than a hollow-back shovel. Q. 18. In buying these shovels, how do they compare in price with the hollow back? A. Well, I can't tell you exactly how, because it is so long since I used the hollow-back shovel. Q. 19. What is your own estimation of their value in comparison with the hollow-back? A. Well, I would sooner pay the extra price for the corrugated shovels, for the two-prong or three-prong shovels, than pay the small price for the hollow-back, because they last longer. Q. 20. And what is the extra price? A. Well, I can't just tell you that at the present time. Q. 21. How do they compare in length of time that they last with the hollow-back? A. Oh, your hollow-back shovels, I can wear one out each month. Q. 22. How about the Coal Bluff? A. Well, I've got a Coal Bluff now, if that is what you call a Coal Bluff—I am working with a Coal Bluff now for about four months. Q. 23. This is a Coal Bluff? A. Well, for four months I have worked with one of them, and I have still got it yet, and it's good. And that Pacemaker, I had one, and wore it out, and it lasted me in the neighborhood of about nine months.

Comparing the simply corrugated shovel of the old art and the corrugated prong shovel of the patent, here described as the Coal Bluff and Pacemaker shovel, Wilson, a jobber of shovels, says:

Q. 6. What is a corrugated shovel? A. A corrugated shovel is one which has ribs running in the body of the shovel, but not necessarily from the handle of the shovel. In fact, a corrugated shovel to the trade is known as the shovel which does not have ribs joined onto the handle or fork. Q. 7. Have you seen, and do you know, what is called the "Coal Bluff" shovel? A. Yes; we have handled the Coal Bluff for the past year and a half or more; more extensively in the past year and a half. Q. 8. And before that time you sold these corrugated shovels, did you? A. Yes, sir. Q. 9. What difference, if any, did it make in your business when you commenced to handle the Coal Bluff? A. We have increased our sales on shovels about 25 to 30 per cent. And the difference in sales, we can only specify fork or prong shovels in all orders. Q. 10. What do you understand by fork or prong shovels? A. We understand it to be a Coal Bluff shovel or Pacemaker shovel. Q. 11. What is the Pacemaker shovel?. A. That is a shovel manufactured by the Pittsburgh Shovel Company, of a three-pronged type, joined in the center. Q. 12. Is that the shovel that I now show you? A. Yes, sir. Q. 13. And bearing the name Pacemaker on the label?. A. Yes, sir. Q. 14. What difference is there between these two shovels, if any? A. There is a probability of added strength in the additional prongs of the shovel; and in the makeup here, you could add strength right here. Q. 15. How do these two shovels, the Coal Bluff and the Pacemaker, compare with the so-called corrugated shovels in efficiency, strength, and so on, if you know? A. Oh, from our sales I would say that they must outlast and must be more efficient shovels, or they would not have continued to sell when the other shovel was on the market; but the sales have dropped off entirely, and we have discontinued the sale of the corrugated shovel. Q. 16. How does the selling price compare with the so-called corrugated shovel? A. It is a dollar a dozen higher.

Beiter, engaged in miner supply business and covering three extensive mining counties of Pennsylvania, says he sells "from 50 to 60 dozen of Coal Bluff and Pacemaker to one dozen of the old style." Tovey, a salesman who sold to the trade in Ohio, West Virginia, Maryland, and Delaware, testified:

Q. 5. What particular make of shovels do you sell through that territory? A. You mean coal shovels? Q. 6. Yes. A. Coal Bluff and Pacemaker. Q. 7. Do you sell directly to the consumers, or to whom? A. To the jobbing trade. Q. 8. Do you ever meet the users of these shovels? A. Oh, yes. Previous to that, I was connected with a firm that sold to the retail trade. Q. 9. What is the general estimation of these through the trade, and, as far as you know, of the users A. Well, there is great demand for them. Q. 10. Do you know just why? A. Particularly on account of the construction of the shovel. Q. 11. Well, have you in mind any particular features of construction that would confirm that answer? A. Yes; on account of the prong of the shovel coming down through the center, and the two prongs distribute the strain of the shovel on the whole body of it, instead of just in one part, as in the old type of shovel and the strength it gives to the body of the shovel. Q. 12. Did you sell any other kinds of types of shovels before these? A. Yes, sir. Q. 13. How do your sales of Coal Bluff and Pacemaker compare with such sales? A. They are a great deal more than the other. Q. 14. Is the demand increasing or decreasing? A. Increasing, considerably.

Walsh, treasurer of the plaintiff company, which makes the patented shovel, testified to the rapid and steady increase of sales, except in the steel strike year, 1919. Referring to the Pacemaker type, he says:

I have them grouped. For the year 1917 we manufactured in Pacemakers 4,692¼ dozen; for the year 1918 we manufactured 6,764⅜ dozen; for the year 1919 we manufactured 4,137¹¹/₁₂ dozen; and for the year 1920 we manufactured 9,409½ dozen.

And referring to the Coal Bluff:

Yes, in the year 1917 we manufactured 1,781¼ dozen; in the year 1918 we manufactured 3,125¼ dozen; in the year 1919 we manufactured 3,544¹⁰/₁₂ dozen; in the year 1920, 6,438¾ dozen.

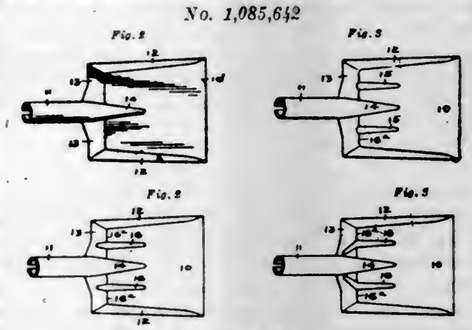
Indeed, it is quite evident, from the testimony of Smith, one of the defendant's officials, that the demand for these shovels was so insistent that the defendant was forced to make the Gold Bee shovel, the alleged infringing device. His testimony in that regard is:

There appeared to be a demand for a shovel with that design frog, and as I found the situation in this district, the sale was limited to one jobber, and that was Grier Bros.; that is, the Pittsburgh Shovel Company was selling only to Grier Bros., and naturally some of the other jobbers assumed that they had an advantage, and wanted that type of shovel. Q. 8. Why did the trade want this type of shovel? A. Well, it was something new in design. * * * Q. 37. And you got up this Gold Bee shovel, with this new design, to satisfy a demand of the trade, did you not? A. Yes, sir. * * * There was a demand for a two-prong shovel that couldn't be satisfied in this district. The situation as I found it was that one jobber here had the exclusive selling arrangement with the Pittsburgh Shovel Company; so, as I found it, other jobbers, outside of Grier Bros., couldn't get a two-prong shovel, for which reason we made these.

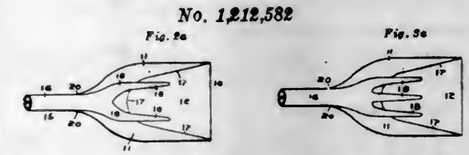
Seeing that the new type of shovel made by the plaintiff met with rapid success, we naturally inquire wherein it differed from the old art. The shovel of this patent is made in a single piece. But the single-piece shovel the art already had, and there was therefore no novelty in a one-piece shovel, in which the blade and handle socket were embodied in an integral whole without riveting or welding. The new shovel has the most desirable construction, in that it is a one-piece article, integral, dispensing with riveting or welding, but such one-piece, integral construction was found in the prior art. The new shovel also has the most desirable construction, in that it is hollow-backed; that is, so constructed that the hollowed back of the integral blade makes an opening or socket adapted to receive the shovel handle; but such a hollow-back handle attachment embodied in a one-piece shovel was likewise found in the prior art. So, also, were corrugations in the shovel blade as a means of strengthening the shovel blade. Indeed, all of these points, corrugations, one-piece, hollow-back, were combined in a patent of this present patentee, No. 1,085,642, for a shovel, applied for July 5, 1912 and granted February 3, 1914. But even the shovel of this last patent, with all these individual points of excellence, left no impress on the art, and seems to have filled no special need, in spite of the fact that its corrugations added strength to the blade body, its open back provided a socket, its one piece gave comparative lightness of weight and its manufacture economic, while the patent in suit, No. 1,212,582, which only purported to be an improvement on such previous patent, met with marked and instant approval and large sales.

Wherein did the improvement lie? The answer is that Surbaugh, in his new device, disclosed a very simple way of merely extending the corrugations of the shovel body over into the socket, and thereby make the corrugations of the blade proper so cooperate in a new way with the handle socket of the hollow back that he was able to increase the working strength of his shovel, while at the same time he lessened its weight by using lighter blade material. In the practical use of the shovel, both as a shovel and also as a pry, it was found the patented shovel had more strength to pry and less weight to carry. To the casual observer those seem factors of small moment, but when the miner who uses a shovel in cramped space and in awkward positions, finds its weight lessened and its torsional balance nevertheless improved, such things are of real moment to him, and when, in spite of such lessened weight, he finds the strength and prying power of the shovel increased, we can readily see why the new shovel so displaced the old ones that, as defendant says, they were forced to make the alleged infringing article. This use of corrugations as a new cooperating factor is best illustrated by these illustrations:

No. 1,085,642



No. 1,212,582



Figs. 2 and 3 are taken from Surbaugh's earlier and Fig. 2ª and Fig. 3ª from his later patent. In Fig. 2 we find the ordinary corrugations used to strengthen the blade of the shovel, and in Fig. 3 substantially the same thing, save that the corrugation takes a bend or angle toward the center of the blade and toward the hollow-back handle socket, the purpose of which is stated in the specification:

Fig. 3 is a view similar to Fig. 2, except that the rear ends of the ribs for reinforcing the shovel are bent toward the handle to add greater strength to the shovel blades.

From this statement of the patentee, it would seem that the shovel blade would have been strengthened in the same way if the ends of the corrugation had been turned toward the rim of the shovel, instead of inward toward the handle socket; the sole purpose being to add another corrugation to the shovel blade, or, as stated, "to add greater strength to the shovel blades." It will also be noted that the form of the corrugation, viz, widest at the line 16ª, and tapering to a point at both ends, had in view the strengthening of the shovel blade on the line 16ª, where the bend of the blade tended to produce crystallization, viz:

It will be noted that the ribs above noted have their greatest width at the meeting point 16ª of the flange 13 and the blade portion of the shovel, and that they taper gradually toward their extremities, as shown, which construction gives the greatest strength at the point of greatest strain, through the crystallization of the material along the line 16ª.

That the whole purpose Surbaugh had in view in his earlier patent was the strengthening of the

shovel blade alone is apparent not only from the physical construction of the shovel, but it also is evidenced by his express statement, viz:

> The main object of this invention is to remedy this difficulty by increasing the strength and rigidity of the shovel blade, without increasing the weight, by providing the ribs, heretofore described.

But in the patent in suit, as we read it, Surbaugh turned his attention to first strengthening the open handle socket through corrugations, and then using the increased strength of the open handle socket to strengthen the shovel blade. This was done by the simple process of carrying further and broadening out the upper ends of the shovel blade corrugations, and instead of running them to a narrow point near the handle socket, with no strengthening of such socket, he broadened the upper end of the shovel blade corrugation, and carried such breadth not near, but into, the even broader corrugations which formed the open handle socket. The form which this lengthened and broadened corrugation of the shovel blade took when it entered into the handle socket was the two-prong shape of Fig. 2[a] or the three-pronged shape of Fig. 3[a], as shown above.

The purpose to strengthen both socket and blade by such corrugation extension and coordination is stated in the specification, viz:

> Fig. 2 is a top or plan view of a finished shovel showing the ribs for reinforcing the shovel blade extending upwardly into the flanged portion of the shovel blade.

And in claim 1, viz:

> A shovel blade comprising a unit blank provided with an integral shank, said blank being crimped to provide a flat portion with raised sides and back, a cylinder formed of said shank, a centrally formed reinforcing frog in said blade extending to and merging with said cylinder, a reinforcing rib formed on each side of said frog across the juncture of the back and flat portion of the shovel blade and having their greatest width at said juncture, the rearward ends of said ribs back of said juncture being turned inwardly toward the central frog.

It will thus be seen how the extended and cooperating corrugations of the last patent of Surbaugh gave to the miner a lighter shovel than he had before, but with that lighter shovel there was, nevertheless, an increased strength that enabled him to use the shovel as a pry in a more forceful way than the heavier one of the earlier art, including the shovel of Surbaugh's earlier patent.

We are therefore of opinion that the patent in suit is valid, and giving due regard to the several claims here involved, we find them infringed. We deem it proper to say we have not overlooked the contention that the corrugations of the shovel plate of Surbaugh's earlier patent was carried into the curve of the handle socket, and that this is evidenced by the words of his specification:

> Figure 3 shows that portion of the ribs 16, which extend across the face of the flange 13, being formed at an angle, so that their rear extremities terminate in or near the central frog 14, thus insuring greater torsional support to the handle socket.

But several things are to be borne in mind: First, Fig. 3[a] shows a distinct space between the narrowed end of the angled corrugation and the line of the handle socket; second, the Patent Office, with Surbaugh's older patent before it, and the statement that the later one was an improvement on his earlier one, differentiated the two by the grant of the second patent; and, lastly, an inspection of the file wrapper shows that the original language in it was "terminate near the central frog 14," and that without any requirement by the Patent Office, and without erasing the word "near," which correctly described Fig. 3, the words "in or" were added, without any apparent reason. We are therefore warranted in regarding the words "in or" as simply an alternative of "near."

Holding these views, the decree below, dismissing the bill, must be reversed, and the record remanded, with instructions to reinstate the bill, enter a decree adjudging the patent valid, the claims in issue infringed, and directing an accounting.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

858,188. A. G. Laurent, Hand fire-extinguishing apparatus, suit filed May 9, 1924, D. C. Del., Doc. E 544. *Foamite Childs Corp.* v. *Pyrene Mfg. Co.*

864,239, T. E. Flynn. Waste-pipe connection for water-closets, suit filed Aug. 18, 1924, D. C., E. D. Mich. (S. Div.), Doc. 798, *The Groeniger Mfg. Co.* v. *N. E. W. Bowcey (Greenwood Mfg. Co.)*

909,199. R. Miehle. Printing press, final consent decree sustaining patent, adjudging infringement, and granting permanent injunction filed Aug. 18, 1924, D. C., S. D. N. Y., Doc. E 29/195, *Miehle Printing Press & Mfg. Co.* v. *Printing Press Extension Delivery Co., Inc.*

914,313, M. C. Ryan, Shoe rack, suit filed Aug. 18, 1924, D. C., W. D. N. Y., Doc. E 708-D, *C. P. Mitchel* v. *A. D. Wilhelm & Sons et al.*

927,298, C. R. Twitchell, Pressure gauge for pneumatic tires; 1,451,038, R. Farles, Pressure Gauge; 1,451,257, W. P. Hammond, same, suit filed July 15, 1924, D. C., E. D. N. Y., Doc. 1813, *A. Schrader's Son, Inc.*, v. *Wein Sales Corp.*

927,475, Barberie & Walsh. Safety apparatus for motor cars, suit filed July 1, 1924, D. C., E. D. N. Y., Doc. 1789, *Barberie Locomotive Appliance Co.* v. *New York Rapid Transit Corp.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.; 1,180,159, I. Langmuir, Incandescent electric lamp, suit filed July 18, 1924, D. C., E. D. N. Y., Doc. 1818, *General Electric Co.* v. *C. Bigler (Beacon Lamp Co.)*. Final consent decree entered July 23, 1924, against defendant.

1,021,175. Willson & Bourquin, Eye-shield spectacle, suit filed July 7, 1924, D. C., E. D. N. Y., Doc. 1793, *Willson Goggles, Inc.*, v. *E. Buegeleisen (Strauss & Buegeleisen)*.

1,042,472. Paridon & Palmer, Machine for making match books; 1,073,394, C. Campus, Book-match machine, suit filed June 16, 1924, D. C., E. D. N. Y., Doc. 1755, *The Diamond Match Co.* v. *Sun Match Corp.*

1,073,394. (See 1,042,472.)

1,082,933. (See 1,018,502.)

1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Aug. 13, 1924, D. C. Mass., Doc. E 1997, *Westinghouse Electric & Mfg. Co.* v. *Clapp-Eastham Co.* Same, decree in favor of plaintiff, granting preliminary injunction, and adjudging infringement filed Aug. 8, 1924, D. C., S. D. N. Y., Doc. E 29/110, *Westinghouse Electric & Mfg. Co. et al.* v. *Experimental Information Service, Inc., et al.*

1,140,980, L. E. Haynes, Coiling device, suit filed June 5, 1924, D. C., E. D. N. Y., Doc. 1741, *Haynes Mfg. Co.* v. *L. Ludwig (Eagle Electric Mfg. Co.) et al.*

1,180,159. (See 1,018,502.)

1,180,264, A. Lederer, Incandescent body for electric lamps, suit filed Feb. 21, 1923, D. C., S. D. N. Y., Doc. E 26/116, *Westinghouse Lamp Co.* v. *P. R. Mallory & Co., Inc.* Decree sustaining patent, adjudging infringement, and granting an injunction filed Aug. 11, 1924.

1,232,618, W. J. Smart, Spraying or atomizing device, suit filed July 28, 1924, D. C., E. D. N. Y., Doc. 1826, *W. J. Smart et al.* v. *A. H. Costa et al.*

1,251,150, A. J. Widmer, Ceiling ties, decree of district court reversed with direction to dismiss bill (notice dated Aug. 9, 1924), C. C. A. (7th Cir.), Doc. 3384, *P. J. Kalman Co. et al.* v. *The Goldsmith Lath Co.*

1,262,860, S. B. Smith, Incubator, suit filed Aug. 19, 1924, D. C., S. D. Ill. (N. Div.), Doc. 292, *The Buckeye Incubator Co. et al.* v. *F. & H. Hatchery (Inc.) et al.*

1,267,409, H. Hermani, Apparatus for applying hinge pintles to box-part blanks; Re. 14,393, A. W. George, Hinge-wiring machine, suit filed Aug. 19, 1924, D. C., S. D. N. Y., Doc. E 30/107, *The Tin Decorating Co. of Baltimore* v. *Metal Package Corp.*

1,305,198, W. H. Deubener, Bag, suit filed Aug. 11, 1924, D. C. Minn., Doc. 723, *W. H. Deubener* v. *R. Brownson & Co.*

1,384,858, Sandusky & Sandusky, Shoe shank; 1,447,001, F. J. Winchell, Shank reenforce, suit filed July 8, 1924, D. C., E. D. N. Y., Doc. 1794, *M. M. Sandusky et al.* v. *Brooklyn Box Toe Co. et al.*

1,395,893, C. W. Beck, Steering wheel and method of forming same, suit filed Aug. 19, 1924, D. C., N. D. Ohio (W. Div.), Doc. E 484, *The Beck-Frost Corp* v. *E. Moser.*

1,399,570, E. C. Myers, Tractor, final decree July 29, 1924, dismissing bill of complaint and defendant's counterclaim, judgment for costs rendered against plaintiff, D. C., N. D. Ohio (E. Div.), Doc. 883, *E. C. Myers et al.* v. *The Hadfield-Penfield Steel Co.*

1,446,628, W. F. Ridge, Cover for steering wheels, suit filed Aug. 18, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1273, *W. F. Ridge et al.* v. *H. L. Rieth.*

1,447,001. (See 1,384,858.)

1,450,080, L. A. Hazeltine, Method and electric circuit arrangement for neutralizing capacity coupling; 1,489,228, same, Method and means for neutralizing capacity coupling in audions, suit filed May 27, 1924, D. C., E. D. N. Y., Doc. 1731, *Hazeltine Corp. et al.* v. *J. C. Hoose.* Final consent decree entered July 1, 1924, in favor of plaintiff.

1,451,038. (See 927,298.)

1,451,257. (See 927,298.)

1,461,822, H. Epstein, Clamp for producing mottled skein dyeing; 1,498,079, same, Spot-dyeing process for textile fibers, suit filed Aug. 18, 1924, D. C., S. D. N. Y., Doc. E 30/105, *H. Epstein* v. *J. Rosenberg et al.*

1,483,437, W. T. Headley, Railway crossing and method of making same, suit filed June 10, 1924, D. C. Del., Doc. E 548, *The Barber Asphalt Co.* v. *Headley Good Roads Co.*

1,489,228. (See 1,450,080.)

1,492,758, Silberhartz & Abzug, Flower and fruit stand, suit filed July 21, 1924, D. C., E. D. N. Y., Doc. 1821, *Metropolitan Art Glass Co., Inc.*, v. *N. Sussman & Sons.*

1,498,079. (See 1,461,822.)

Des. 62,630, P. I. Ansorge, Lighting-fixture part, suits filed June 30, 1924, D. C., E. D. N. Y., Doc. 1786, *Empire Lighting Fixture Co., Inc.*, v. *Gudelite, Inc.* Same, Doc. 1787, *Empire Lighting Fixture Co., Inc.*, v. *B. Morowitz (The Gates Lighting Fixture Co.).*

Des. 64,236, J. Baer, Bias trimming, suit filed Aug. 18, 1924, D. C., S. D. N. Y., Doc. E 30/106, *Webbing & Edging Corp.* v. *Geers, Bias Binding Co.*

Des. 64,953, F. S. Crowell, Bracket back for lighting fixture; Des. 64,954, Des. 64,955, same, Cast arm for lighting fixture; Des. 64,956, same, Cast canopy for lighting fixture; Des. 64,957, same, Cast loop for lighting fixture; Des. 64,958, same, Cast brace for lighting fixture; Des. 64,959, Des. 64,960, Des. 64,961, same, Cast plate for lighting fixture, suit filed July 29, 1924, D. C., E. D. N. Y., Doc. 1828, *The E. N. Riddle Co.* v. *Biltmore Lighting Fixture Co.*

Des. 64,954. (See Des. 64,953.)

Des. 64,955. (See Des. 64,953.)

Des. 64,956. (See Des. 64,953.)

Des. 64,957. (See Des. 64,953.)

Des. 64,958. (See Des. 64,953.)

Des. 64,959. (See Des. 64,953.)

Des. 64,960. (See Des. 64,953.)

Des. 64,961. (See Des. 64,953.)

Re. 14,393. (See 1,267,409.)

Re. 15,824, S. H. Calkins, Pattern and guide strip, suit filed July 24, 1924, D. C., S. D. N. Y., Doc. E 30/35, *Traitel Marble Co.* v. *U. T. Hungerford Brass & Copper Co.*

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Dilg patents, No. 1,117,808 and 1,117,943, for ball bearings, *Held* invalid for prior invention by another. *Bearings Co. of America* v. *D. P. Harris Hardware & Mfg. Co.* 299 Fed. Rep. 782.

(C. C. A. Tex.) McAfee patent, No. 1,277,329, for method of refining mineral lubricating oil, *Held* valid. *Texas Co.* v. *McAfee*, 299 Fed. Rep. 718.

(D. C., Conn.) Burge patent, No. 930,527, for automatically-adjustable strain-insulator fixtures, *Held* valid and infringed. *Line Material Co.* v. *Brady Electric & Mfg. Co.*, 299 Fed. Rep. 822.

(D. C. Pa.) Rousso patent, No. 1,157,046, for towel cabinet. *Held* void for prior invention by another. *Rousso* v. *Barber*, 299 Fed. Rep. 801.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,339,542, C. Birth, Calculating machine, decided August 16, 1924, claim 25.

Pat. 1,461,599, M. L. Cossitt, Manifolding attachment for typewriters, decided August 9, 1924, claims 1 and 2.

Pat. 1,467,658. E. L. Thomson, Distant tractor control, decided August 21, 1924, claims 1, 7, and 8.

Pat. 1,483,565, R. B. Adams, Device for testing hardness, decided August 19, 1924, claim 1.

TRADE-MARKS CANCELED.

74,796. Shoe blacking. Boyer & Co., Philadelphia, Pa. Registered August 10, 1909. Canceled July 21, 1924.

108,679. Certain named clothing. The Baby Outfitters, New York, N. Y. Registered February 22, 1916. Canceled June 11, 1924.

162,674. Malt extract and malt sugar for beverage purposes. Chas. W. Bayer, doing business as Bayer Sugar Co., Cincinnati, Ohio. Registered December 26, 1922. Canceled July 21, 1924.

171,228. Toy animals. Asiatic Import Co., Inc., New York, N. Y. Registered July 31, 1923. Canceled August 1, 1924.

175,006. Automobiles and automobile chassis. Alexandre Faure, New York, N. Y. Registered October 30, 1923. Canceled July 23, 1924.

176,355. Baby chicks, live poultry, and eggs. A. S. Douthit, doing business as Loup Valley Hatchery, Cushing, Nebr. Registered November 20, 1923. Canceled July 21, 1924.

176,846. Self-rising wheat flour. Model Mill Company, Jackson, Tenn. Registered December 4, 1923. Canceled May 27, 1924.

176,883. Wheat flour. Washburn-Crosby Company, Minneapolis, Minn. Registered December 4, 1923. Canceled June 11, 1924.

176,901. Cotton-fabric gloves. Lilienthal & Grossman, Inc., New York, N. Y. Registered December 4, 1923. Canceled July 21, 1924.

177,842. Nonalcoholic, maltless beverages sold as a soft drink. Snapp Bottling Co., Inc., St. Louis, Mo. Registered December 25, 1923. Canceled June 11, 1924.

178,797. Cake. Freihofer Baking Company, Philadelphia, Pa. Registered January 29, 1924. Canceled August 1, 1924.

180,484. Clothes-washing machines. The In-Vu Manufacturing Company, Rochester, N. Y. Registered February 26, 1924. Canceled July 23, 1924.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Sept. 17, 1924.*

Marlowe Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Rieser Company, Inc., 220 Fifth Avenue, New York, N. Y., for registration of a trade-mark and trade-mark registered November 1, 1910, No. 80,072, to Marlowe Manufacturing Company, 101 Fifth Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Marlowe Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Marlowe Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 11, 1924.*

Herman Zohrlaut Leather Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of C. Trautman & Company, 614 Main Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 9, 1897, No. 30,801, to Herman Zohrlaut Leather Co., 783 to 825 North Water Street, Milwaukee, Wis., and 115–117 Summer Street, Boston, Mass., and the Office having failed to secure service on said Herman Zohrlaut Leather Co., notice is hereby given that unless said Herman Zohrlaut Leather Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Sept. 3, 1924.*

Rubber Company of America, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Continental Tire Corporation, 1508 South Michigan Avenue, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 14, 1910, No. 78,448, to Rubber Company of America, 249–251 Ocean Avenue, Jersey City, N. J., and a notice of such declaration sent by registered mail to said Rubber Company of America at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rubber Company of America, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 30, 1924.

[VOL. 326. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 125,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNSET NUT SHELLING COMPANY, San Francisco, Calif. Filed Dec. 9, 1919.

SUNSET

Particular description of goods.—Walnuts, Shelled or Unshelled, or Candied or Salted; Filberts, Shelled or Unshelled, Candied or Salted; Almonds, Shelled or Unshelled, or Candied or Salted; Hazelnuts, Shelled or Unshelled, Candied or Salted; Pecans, Shelled or Unshelled, Candied or Salted; Pineapple, Candied or Dried; Figs, Dried or Candied; Dates, Dried or Candied; Prunes, Dried or Candied; Natural Raisins; Orange Peel, Dried or Candied; Lemon Peel, Dried or Candied; Citron, Dried or Candied; Dates, Stuffed or Filled with Walnuts, or Almonds, or Pecans, or Filberts, or Hazelnuts; Apricots, Stuffed or Filled with Walnuts, or Almonds, or Pecans, or Filberts, or Hazelnuts; Prunes, Stuffed or Filled with Walnuts, or Almonds, or Pecans, or Filberts, or Hazelnuts; and Nuts and Raisins Mixed.

Claims use since Apr. 1, 1903.

Ser. No. 131,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRITZNER & DITZEL, Chicago, Ill. Filed Apr. 19, 1920.

MALT-O-CREAMO

Particular description of goods.—Sweetmeats.

Claims use since Mar. 1, 1920.

Ser. No. 135,900. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Aug. 7, 1920.



Particular description of goods.—Lifting Jacks.

Claims use since in or about 1901 for automobiles, parts thereof, and accessories therefor; in or about 1914 upon lifting jacks.

Ser. No. 137,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. O. WILBUR & SONS, INC., Philadelphia, Pa. Filed Sept. 18, 1920.



The figure shown is purely fanciful.

Particular description of goods.—Cocoa in Powdered Form for Drinking, Cooking, and Baking.

Claims use since about May 1, 1920.

Ser. No. 147,121. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMER CANDY CO., Sioux City, Iowa. Filed May 2, 1921.



Particular description of goods.—Candy.

Claims use since Oct. 16, 1920.

Ser. No. 150,075. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ROSA MESH, doing business as Mesh Singing Machine Company, Cincinnati, Ohio. Filed July 6, 1921.



No claim is made to the exclusive use of the words "Trade-Mark Reg."
Particular description of goods.—Phonographs.
Claims use since June 15, 1921.

Ser. No. 152,247. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Aug. 27, 1921. Under section 5b of the act of 1905 as amended 1920.

GORHAM

Trade-mark comprises the word "Gorham."
Particular description of goods.—Electric Lamps and Electroliers.
Claims use since 1904.

Ser. No. 156,967. (CLASS 39. CLOTHING.) H. LEVI & CO., Kansas City, Mo. Filed Dec. 20, 1921.



Particular description of goods.—Underwear, Hosiery, and Work Clothing—Namely, Shirts, Pants, Overalls, and Sweater Coats.
Claims use since August, 1911.

Ser. No. 157,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex., and New York, N. Y. Filed Jan. 9, 1922.



AMAESSA

Particular description of goods.—Wheat Flour, Wheat Bran, Wheat Shorts, Corn Meal, Corn-Meal Grits, and Corn Flour.
Claims use since Oct. 14, 1915.

Ser. No. 160,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT M. HOLTON, doing business as Nu-Life Food Co., Minneapolis, Minn. Filed Mar. 11, 1922.

Nu-Life
100% PURE

No claim is made to the exclusive use of the "100% Pure" apart from the other features of the mark.
Particular description of goods.—Cereal Breakfast Food and Pancake Flour.
Claims use since Nov. 2, 1916.

Ser. No. 163,932. (CLASS 39. CLOTHING.) H. M. HEINEMAN SONS, San Francisco, Calif. Filed May 16, 1922.

Magik

Particular description of goods.—Men's Necktles and Scarfs.
Claims use since July, 1916.

Ser. No. 164,990. (CLASS 38. PRINTS AND PUBLICATIONS.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922.

OUTERwear

Particular description of goods.—Printed Pamphlets, Circulars, and Periodical Publications.
Claims use since Mar. 1, 1921.

Ser. No. 164,992. (CLASS 38. PRINTS AND PUBLICATIONS.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922.



Particular description of goods.—Printed Pamphlets, Circulars, and Periodical Publications.
Claims use since Mar. 1, 1921.

Ser. No. 164,993. (CLASS 38. PRINTS AND PUBLICATIONS.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922.



Particular description of goods.—Printed Pamphlets, Circulars, and Periodical Publications.
Claims use since Mar. 1, 1921.

Ser. No. 166,069. (CLASS 39. CLOTHING.) GRAM HEADWEAR MFG. CO., St. Louis, Mo. Filed June 26, 1922.

RAINRSHINE

Particular description of goods.—Wearing Apparel—Namely, Capes and Coats and Top and Over Coats.
Claims use since May 15, 1922.

Ser. No. 168,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. EADS, Bristol, Va. Filed Aug. 28, 1922.



The word "Sucker" as a part of the mark is disclaimed apart from the other features thereof.
Particular description of goods.—Confection Composed of a Candy Coated with Ice Cream.
Claims use since May 1, 1922.

Ser. No. 169,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. NELLIS & COMPANY, Chicago, Ill. Filed Sept. 16, 1922.

RISING SUN

Particular description of goods.—Fresh Apples, Cantaloupes, Oranges, Lemons, Pears, Cherries, and Peaches.
Claims use since September, 1919.

Ser. No. 170,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. D. CAPRIATA, New York, N. Y. Filed Oct. 2, 1922.

ConteRosso



Particular description of goods.—Olive Oil.
Claims use since May 1, 1922.

Ser. No. 172,344. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW OLSEN, Jr., doing business as Golden Nugget Sweets, San Francisco, Calif. Filed Nov. 21, 1922.

GOL-NUG

Particular description of goods.—Fudge Candy.
Claims use since Nov. 1, 1922.

Ser. No. 173,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 15, 1922.

AMAZON

Particular description of goods.—Flour Made from Wheat.
Claims use since on or about July 1, 1904.

Ser. No. 173,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANVILLE WHOLESALE GROCERY CO., Danville, Ill. Filed Dec. 16, 1922.



Particular description of goods.—Canned Vegetables and Fruit.
Claims use since June, 1922.

Ser. No. 176,719. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLAFLINS INCORPORATED, New York, N. Y. Filed Feb. 28, 1923.



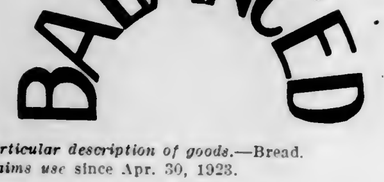
Particular description of goods.—Bleached Cotton Piece Goods.
Claims use since Mar. 26, 1891.

Ser. No. 178,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. E. GILINSKY, Omaha, Nebr. Filed Mar. 28, 1923.



Particular description of goods.—Fresh Apples.
Claims use since about Oct. 1, 1919.

Ser. No. 181,366. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.



Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 182,017. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SOCIEDAD ANONIMA "E. R. A.", Madrid, Spain. Filed June 14, 1923.

E. R. A.

Particular description of goods.—Perforated Rolls for Player Pianos or Similar Musical Instruments.
Claims use since Mar. 10, 1923.

Ser. No. 183,574. (CLASS 39. CLOTHING.) A. M. JELF MANUFACTURING CO., Lexington, Ky. Filed July 23, 1923.



Particular description of goods.—Lingerie, Kimonos, Children's and Ladies' Wash Dresses.
Claims use since January, 1922.

Ser. No. 184,853. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GERALD B. HARNEY, Los Angeles, Calif. Filed Aug. 22, 1923.

ANIMATED WEEKLY

Particular description of goods.—Motion Picture Films.
Claims use since Aug. 1, 1922.

Ser. No. 185,243. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHIEF MANUFACTURING COMPANY, Indianapolis, Ind. Filed Sept. 1, 1923.



Particular description of goods.—Fluff-Rug-Making Machines, Rug Sizing and Stretching Machines, Variable-Speed Pulleys, Driers and Drying Racks, Wood-Embossing Machines and Parts Thereof.
Claims use since on or about July 27, 1920.

Ser. No. 185,383. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed Sept. 6, 1923.

L'ABEILLE

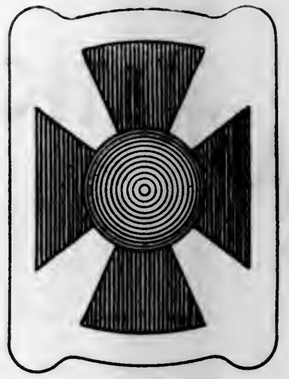
Particular description of goods.—Wheat Flour.
Claims use since Aug. 11, 1923.

Ser. No. 185,794. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) WELLS H. PRESS COMPANY, INC., Streator, Ill. Filed Sept. 14, 1923.

DAWN

Particular description of goods.—Clothes or Laundry Washing Machines.
Claims use since 1912.

Ser. No. 185,964. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE EATON AXLE & SPRING COMPANY, Cleveland, Ohio. Filed Sept. 20, 1923.



The shading shown does not indicate color.
Particular description of goods.—Automobile Bumpers and Bumper Fittings.
Claims use since Mar. 15, 1923.

Ser. No. 187,236. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALONZO G. WILLIAMS, doing business as Dr. Putnam, New York, N. Y. Filed Oct. 19, 1923.



No claim is made to the words "Toilet Preparations" apart from the mark shown on the drawing.
Particular description of goods.—Soap and Shaving Cream.
Claims use since July 10, 1923.

Ser. No. 189,249. (CLASS 39. CLOTHING.) S. L. HOFFMAN, doing business as S. L. Hoffman & Co., New York, N. Y. Filed Dec. 5, 1923.

FASHIONETTE

Particular description of goods.—Dresses.
Claims use since about June, 1923.

Ser. No. 189,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELEN S. SPEICH, as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Filed Dec. 5, 1923.

CARNATION

Particular description of goods.—Melons.
Claims use since May, 1914.

Ser. No. 189,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELEN S. SPEICH, as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Filed Dec. 5, 1923.

CARNATION

Particular description of goods.—Oranges in Their Natural State.
Claims use since 1905.

Ser. No. 189,278. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELEN S. SPEICH, as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Filed Dec. 5, 1923.

GYPSY QUEEN

Particular description of goods.—Oranges in Their Natural State.
Claims use since 1905.

Ser. No. 189,769. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed Dec. 17, 1923.

Absorbit

Particular description of goods.—Cleaning Compound for Rugs, Carpets, and the Like.
Claims use since on or about Nov. 1, 1923.

Ser. No. 190,019. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY KAUFFMAN, Bayonne, N. J. Filed Dec. 22, 1923.

The Homely Philosopher

Particular description of goods.—Publications—Namely, Leaflets, Newspaper Columns, and Completely-Printed Books Published from Time to Time.
Claims use since Dec. 13, 1923.

Ser. No. 190,390. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Jan. 3, 1924.

NAPHTOCHROM

Particular description of goods.—Coal-Tar Colors.
Claims use since 1908.

Ser. No. 191,328. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHS. LAVY & CO., Hamburg, Germany. Filed Jan. 26, 1924.

LACO

Particular description of goods.—Mohair, Woolen, and Cotton Rugs; Light Woolen and Cotton Rugs with Leather Borders, Cotton Rugs with Woolen Linings; Tie Cloth in the Piece of Silk, Half Silk and Artificial Silk; Shawls and Scarfs Used as Draperies for Furniture and Similar Purposes, Table Linen; Tablecloths of Linen, Cotton, and of Wool.
Claims use since 1919.

Ser. No. 191,367. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CORED BAR CORPORATION, Buffalo, N. Y. Filed Jan. 28, 1924.

CORED AND SOLID BARS

We disclaim as a part of our trade-mark the words "Cored and Solid Bars."
Particular description of goods.—Cored and Solid Bars.
Claims use since on or about Oct. 19, 1923.

Ser. No. 191,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRUITFROST CORPORATION, New York, N. Y. Filed Jan. 30, 1924.

Fruit Frost

Particular description of goods.—Fruit Flavors for Making Food Products Exclusive of Beverages.
Claims use since Jan. 1, 1924.

Ser. No. 191,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY HEIDE, INC., New York, N. Y. Filed Jan. 30, 1924.

Q.-T.

Particular description of goods.—Candy.
Claims use since July, 1921.

Ser. No. 191,633. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHS. LAVY & CO., Hamburg, Germany. Filed Feb. 1, 1924.

Laco

Particular description of goods.—Mohair, Woolen, and Cotton Rugs; Light Woolen and Cotton Rugs with Leather Borders, Cotton Rugs with Woolen Linings; Tie Cloth in the Piece of Silk, Half Silk, and Artificial Silk; Shawls and Scarfs Used as Draperies for Furniture and Similar Purposes, Table Linens, and Tablecloths of Linen and of Wool.
Claims use since 1912.

Ser. No. 191,645. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SOCIETÉ ANONYME DES USINES RENAULT, Billancourt, Seine, France. Filed Feb. 1, 1924.

RENAULT

The word "Renault" is disclaimed apart from the composite mark shown in the drawing.
Particular description of goods.—Automobiles and Parts Thereof and Aeroplanes and Parts Thereof.
Claims use since Jan. 1, 1907.

Ser. No. 191,918. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOCIETA ANONIMA FRANCESCO CINZANO & CIA., Turin, Italy. Filed Feb. 6, 1924. Under section 5b of the act of 1905, as amended 1920.

CINZANO

Sole Importers for the U.S.A.
THE RENKEN & YATES SMITH CORP. 35 W. 39th Street NEW YORK.



Particular description of goods.—Nonalcoholic Vermouth.
Claims use since July, 1922.

Ser. No. 191,919. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETA ANONIMA FRANCESCO CINZANO & CIA., Turin, Italy. Filed Feb. 6, 1924. Under section 5b of the act of 1905, as amended 1920.



Particular description of goods.—General Medicinal Tonic.
Claims use since July 1, 1922.

Ser. No. 192,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS A. WAY, doing business as Sludge Flux Manufacturing Company, Pittsburgh, Pa. Filed Feb. 26, 1924.

SLUDGE FLUX

THE FUEL OIL DOCTOR

The words "Sludge Flux" are disclaimed apart from the remainder of the trade-mark shown.
Particular description of goods.—Material Consisting of One or More Organic Compounds for Treating Hydrocarbons and Their Derivatives to Demulsify the Same and Lower Their Viscosity.
Claims use since Jan. 5, 1924.

Ser. No. 193,009. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNIVERSAL POLISH MFG. CO., Dallas, Tex. Filed Feb. 28, 1924.



No claim is made to the words "Neat Foot" and "Shoe Dressing" apart from the trade-mark shown in the accompanying drawing, applicant reserving all common-law rights thereto as shown.
Particular description of goods.—Shoe Dressing and Polish.
Claims use since Apr. 15, 1923.

Ser. No. 193,222. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed Mar. 4, 1924.

The House of a Million Parts.

Particular description of goods.—Vehicle Axles, Automobile Radiators, Vehicle Wheels, Vehicle Wheel Rims, Automobile Fenders, Vehicle Frames, Vehicle Tire Racks, Vehicle Steering Columns, Vehicle Axle Housing, Vehicle Drive Shafts, Vehicle Pedals, and Vehicle Levers.
Claims use since July 9, 1919.

Ser. No. 193,225. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) H. G. JOHN FRANK, doing business as Auto Parts Company, Houston, Tex. Filed Mar. 4, 1924.

"THE HOUSE OF A MILLION PARTS"

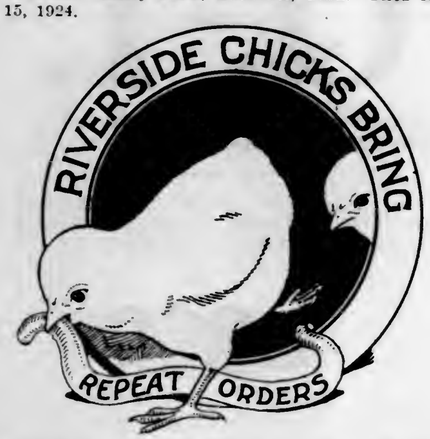
Particular description of goods.—Speedometers and Air and Oil Pressure Gauges.
Claims use since July 9, 1919.

Ser. No. 193,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GIUSEPPE OSTINO, doing business as Ostino & Bertagna, Chieri, Italy. Filed Mar. 12, 1924.



Particular description of goods.—Blankets and Spreads of Cotton, Wool, or Mixtures Thereof.
Claims use since Mar. 10, 1910.

Ser. No. 193,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. KREIS, doing business as Riverside Poultry Farm, Knoxville, Tenn. Filed Mar. 15, 1924.



Representation of a chick apart from the mark shown by the drawing is disclaimed.
Particular description of goods.—Live Chicks, Live Chickens, Eggs, and Hatching Eggs.
Claims use since about Jan. 7, 1924.

Ser. No. 193,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASHMERE SKOOKUM GROWERS, Cashmere, Wash. Filed Mar. 17, 1924.

HUSKY

Particular description of goods—Fresh Apples and Pears.
Claims use since Sept. 10, 1922.

Ser. No. 193,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT AMERICAN STORES CO., Chicago, Ill. Filed Mar. 17, 1924.

GREAT AMERICAN BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Evaporated Milk, Canned Vegetables, and Wheat Flour.
Claims use since Jan. 1, 1922.

Ser. No. 193,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT COMMERCE COMPANY, Detroit, Mich. Filed Mar. 18, 1924.

MAY-DAY

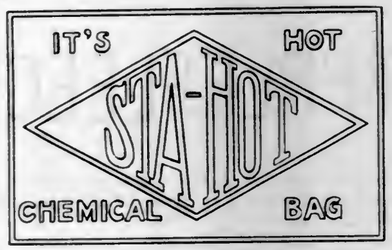
Particular description of goods.—Canned Evaporated Milk and Canned Condensed Milk.
Claims use since Mar. 11, 1924.

Ser. No. 194,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINERVA VAVRA, doing business as Vavra's Pharmacy, Chicago, Ill. Filed Mar. 24, 1924.

JEDOKAZ

Particular description of goods.—Antiseptic Solution Used as a Medicine.
Claims use since Jan. 1, 1895.

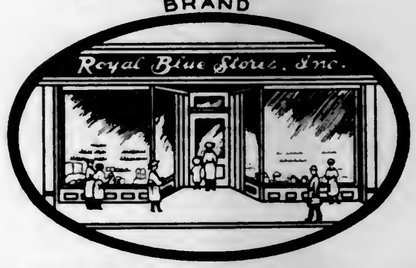
Ser. No. 194,425. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WESTERN SALES AGENCY, INC., Dallas, Tex. Filed Mar. 25, 1924.



Without waiving any common-law rights, no claim is made to the words "It's Hot" and "Chemical Bag" apart from the mark as shown.
Particular description of goods.—Chemical Heat-Producing Bags.
Claims use since Oct. 1, 1923.

Ser. No. 194,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL BLUE STORES, INC., Chicago, Ill. Filed Mar. 26, 1924.

Royal Blue Stores BRAND



No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular Description of goods.—Canned Fruits and Fruit Preserves, Including Apples, Apple Butter, Apricot Butter, Blackberries, Blackberry Preserves, Blueberries, Royal Anne Cherries, Pitted Cherries, Egg Plums, Figs, Grapes, Grapefruit, Grape Marmalade, Gooseberries, Loganberries, Loganberry Preserves, Peaches, Pears, Pineapple, Red Raspberries, Red-Raspberry Preserves, Strawberries, Strawberry Preserves; Canned Sea Food—Namely, Clams, Codfish, Lobster, Oysters, and Shrimp; Canned Meats—Namely, Chicken, Deviled Chicken, Deviled Ham, Sliced Beef, Tongue, and Bacon; Canned Soups, Including Bean, Clam Chowder, and Tomato; Canned Mincemeat and Plum Pudding; Relishes—Namely, Chili Sauce, Green and Ripe Olives, Red Peppers, Sweet Relish Pickles, Tomato Catchup, and Cocktail Catchup; Spices—Namely, African Ginger, Allspice, Black Pepper, Capers, Celery Salt, Cinnamon, Cloves, Curry Powder, Mace, Mustard, Nutmeg, Poultry Seasoning, Prepared Mustard, Paprika, White Pepper, and Sage; Mexican Chilies, Salad Dressing, Vinegar, Condensed Milk, Coffee, Tea, Citron Peel, Crystallized Ginger, Butter, Dried Grapefruit Peel, Dried Lemon Peel, and Dried Orange Peel; Shredded Coconut, Walnut Meats in Their Natural State, Peanut Butter, Marshmallow Crême, Maple Sirup, Sugar, Dessert Tapioca and Pearl Tapioca, Barley, Cake Flour, Corn Meal, Farina, Wheat Breakfast Food, Lye Hominy, Granulated Hominy, Pearl Hominy, Pancake Flour, Pop Corn in Its Natural State, Rice, Rice Flour, Self-Rising Buckwheat Flour and Wheat Flour, Wheat Bran, Graham Flour, Entire-Wheat Flour, and Gluten Flour.
Claims use since January, 1921.

Ser. No. 194,499. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. J. WILE & CO., New York, N. Y. Filed Mar. 26, 1924.

RIPPLEFLEECE

Trade-mark consists of the word "Ripplefleece."
Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 12, 1924.

Ser. No. 194,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY O. LOWDEN as executor of the last will of George W. Lowden, deceased, Savannah, Ga. Filed Mar. 31, 1924.

FULL MOON BRAND

Applicant disclaims the use of the word "Brand" apart from the mark shown on the drawing. Applicant disclaims the use of the trade-mark for goods other than oysters.
Particular description of goods.—Canned Oysters.
Claims use since Jan. 1, 1900.

Ser. No. 194,942. (CLASS 39. CLOTHING.) V. PERRIN & CIE., Grenoble, France, and New York, N. Y. Filed Apr. 3, 1924. Under ten-year proviso.

ELK TAN

Particular description of goods.—Men's, Women's, and Children's Leather Goods.
Claims use since Jan. 1, 1888.

Ser. No. 194,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES P. SMITH & COMPANY, New York, N. Y. Filed Apr. 3, 1924. Under ten-year proviso.

BARTON

Particular description of goods.—Capers, Mushrooms, Canned Peas, Alimentary Pastes, and Truffles.
Claims use since about 1887.

Ser. No. 195,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEYSTONE COOPERATIVE GRAPE ASSOCIATION, North East, Pa. Filed Apr. 4, 1924.

CONCORD GRAPES

No rights are asserted to the exclusive use of the words "Concord Grapes" or the representation of grapes apart from the trade-mark as shown in the drawing.
Particular description of goods.—Fresh Grapes.
Claims use since October, 1922.

Ser. No. 195,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES P. SMITH & COMPANY, New York, N. Y. Filed Apr. 5, 1924. Under ten-year proviso.

Extra Italian VIRGIN OLIVE OIL packed for Antonini & C. MARSEILLES (FRANCE) NET CONTENTS 8 FLUID OUNCES

Particular description of goods.—Olive Oil.
Claims use since about 1887.

Ser. No. 195,123. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. W. PAXSON CO., Philadelphia, Pa. Filed Apr. 7, 1924.

P

Particular description of goods.—Foundry Equipment—Namely, Ladle Bowls, Sprue Cutters, Crane Ladles, Hand Shanks, Crucible Shanks, Dust Collectors, Sand-Blast Machinery, Crucible Tongs, Tumbling Barrels, Tram-Rail Systems, Pneumatic Sand Sifters, Core Makers' Benches, Sand-Blast Rooms, and Sand-Blast Table Cabinets; and Foundry Supplies—Namely, Bellows, Riddles, Wood Clamps, Snap Flasks, Coke Forks, Mallets, Ingot Molds, Rapping Plates, Shovels, Molders' Tools, Clamps, Bench Rammers, and Floor Rammers.
Claims use since about Jan. 1, 1903.

Ser. No. 195,124. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. W. PAXSON CO., Philadelphia, Pa. Filed Apr. 7, 1924.

J. W. PAXSON CO. P MEASURE IT BY SERVICE PHILADELPHIA

No claim is made to the words "Measure It By Service" and "Philadelphia" apart from the mark shown by the drawing.
Particular description of goods.—Foundry Equipment—Namely, Ladle Bowls, Sprue Cutters, Crane Ladles, Hand Shanks, Crucible Shanks, Dust Collectors, Sand-Blast Machinery, Crucible Tongs, Tumbling Barrels, Tram-Rail Systems, Pneumatic Sand Sifters, Core Makers' Benches, Sand-Blast Rooms, and Sand-Blast Table Cabinets; and Foundry Supplies—Namely, Bellows, Riddles, Wood Clamps, Snap Flasks, Coke Forks, Mallets, Ingot Molds, Rapping Plates, Shovels, Molders' Tools, Clamps, Bench Rammers, and Floor Rammers.
Claims use since about Mar. 1, 1924.

Ser. No. 195,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak. Filed Apr. 15, 1924.
Particular description of goods.—Semolina, a Durum-Wheat Product.
Claims use since Nov. 1, 1922.

GOLD MANNA

Ser. No. 195,855. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ART CRAFT FIXTURE CO., Newark, N. J. Filed Apr. 21, 1924.

Art Craft Fixture Co

Particular description of goods.—Lighting Fixtures—Namely, Ceiling Lights, Side Lights, Brackets, and Standards for Candlesticks, Table Lamps, and Floor Lamps, Burners, Shut-Offs, Globes, Globe Supports, Holders, Switches, Sockets.
Claims use since July, 1917.

Ser. No. 196,559. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WASMUTH-GOODRICH COMPANY, Peru, Ind. Filed May 3, 1924.

Emerson PHONORADIO

Particular description of goods.—Complete Radio Receiving Sets Adapted to Combination with Phonographs.
Claims use since Mar. 14, 1924.

Ser. No. 196,574. (CLASS 38. PRINTS AND PUBLICATIONS.) BROWN & BIGELOW, St. Paul, Minn. Filed May 5, 1924.

BILL DING

Particular description of goods.—Greeting Cards, Mailing Cards, Newspaper Publications, and Booklets.
Claims use since on or about May, 1921.

Ser. No. 196,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. R. NEWELL & CO., Minneapolis, Minn. Filed May 5, 1924.

LITTLE GIANT

Particular description of goods.—Roasted Coffee.
Claims use since January, 1904.

Ser. No. 196,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAFIERO & MENCACCI, Brooklyn, N. Y. Filed May 7, 1924.



No claim is made to the use of the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Olive Oil.
Claims use since about Apr. 22, 1914.

Ser. No. 197,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



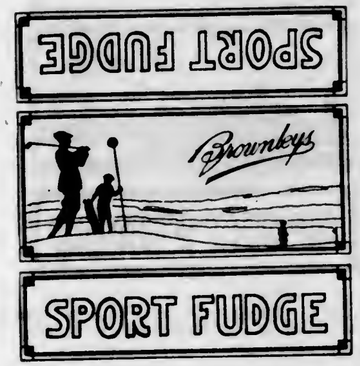
No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



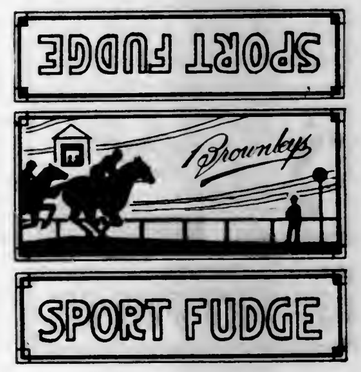
No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,008. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



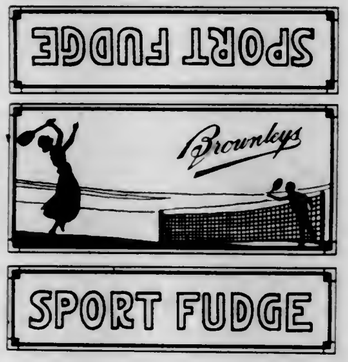
No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



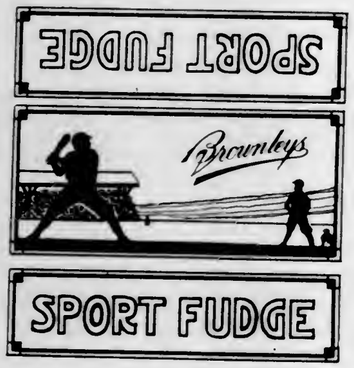
No claim is made to the word "Fudge" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,011. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWNLEY'S, INC., Washington, D. C. Filed May 14, 1924.



No claim is made to the word "Fudge" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Fudge.
Claims use since Jan. 30, 1924.

Ser. No. 197,104. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUSTACE HAMILTON MILES, London, England. Filed May 15, 1924.

SALVITA

Particular description of goods.—Extract from Plant Substances Containing Vitamins, Organo-Metallic Salts, and Flavorings for Use as an Ingredient in Food.
Claims use since Oct. 3, 1923.

Ser. No. 197,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITAN DAIRY, INC., Perth Amboy, N. J. Filed May 16, 1924.



Particular description of goods.—Fresh Milk and Cream.
Claims use since Dec. 20, 1922.

Ser. No. 197,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak. Filed May 20, 1924.

RUDDER

Particular description of goods.—Fancy Durum Flour.
Claims use since July 1, 1923.

Ser. No. 197,420. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE DENVER LEATHER CO., Denver, Colo. Filed May 22, 1924.

CINDERELLA
FLEXIBLE
OAK

No claim is made to the words "Flexible Oak" which appear on the drawing apart from the mark shown.
Particular description of goods.—Leather.
Claims use since Mar. 1, 1923.

Ser. No. 197,442. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL TRADING COMPANY, Chicago, Ill. Filed May 22, 1924.

Luxura

Particular description of goods.—Combination Veil and Hair Nets and Veils and Hair Nets, All Manufactured from Natural Hair.
Claims use since Nov. 7, 1923.

Ser. No. 197,473. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARLO FABBRICOTTI E B. FABBRICOTTI E FIGLI, Carrara, Italy. Filed May 23, 1924. Under ten-year proviso.

CF

Particular description of goods.—Marble and Stone.
Claims use since 1850.

Ser. No. 197,474. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARLO FABBRICOTTI E B. FABBRICOTTI E FIGLI, Carrara, Italy. Filed May 23, 1924. Under ten-year proviso.

FM

Particular description of goods.—Marble and Stone.
Claims use since 1855.

Ser. No. 197,475. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARLO FABBRICOTTI E B. FABBRICOTTI E FIGLI, Carrara, Italy. Filed May 23, 1924. Under ten-year proviso.

FS

Particular description of goods.—Marble and Stone.
Claims use since 1855.

Ser. No. 197,476. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARLO FABBRICOTTI E B. FABBRICOTTI E FIGLI, Carrara, Italy. Filed May 23, 1924. Under ten-year proviso.

FU

Particular description of goods.—Marble and Stone.
Claims use since 1895.

Ser. No. 197,490. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NICOLAO LAZZONI E FIGLIO, Carrara, Italy. Filed May 23, 1924. Under ten-year proviso.

NL
F

Particular description of goods.—Marble and Stone.
Claims use since 1850.

Ser. No. 197,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHIGAN ELEVATOR EXCHANGE, Lansing, Mich. Filed May 23, 1924.

MICHIGAN PEA BEANS
MICHELEX BRAND
PACKED BY
MICHIGAN ELEVATOR EXCHANGE
100 LBS. NET WHEN PACKED

No claim is made to the descriptive reading matter appearing on the drawing apart from the mark shown in the drawing, such descriptive reading matter being "Michigan" Pea Beans, Braud, Packed by Michigan Elevator Exchange, 100 Lbs. Net When Packed."
Particular description of goods.—Beans in Their Natural State.
Claims use since September, 1923.

Ser. No. 197,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT W. JOHNSON, doing business as Pure Drug Products Co., Cincinnati, Ohio. Filed May 28, 1924.

℞ CONSTRUCTIVANS
With GLYKASOL

The symbol "℞" and the words with "Glykasol" appearing on the drawing are disclaimed.
Particular description of goods.—Preparation for Acute and Chronic Bronchitis, Acute and Chronic Cough, Laryngitis, Phthisis, Pneumonia, Pulmonary Affections, All Wasting Diseases, and Exhausted Conditions of the System.
Claims use since Jan. 1, 1913.

Ser. No. 197,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL MILLING COMPANY, Nashville, Tenn. Filed June 2, 1924.

MARTHA WHITE
HIGHEST PATENT
ROYAL MILLING CO
NASHVILLE TENN
"Goodness Gracious IT'S GOOD"

The portrait shown is that of the daughter of R. C. Lindsay. All wording with the exception of "Martha White" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Soft-Wheat Short Patent Plain Flour.
Claims use since Nov. 21, 1902.

Ser. No. 198,115. (CLASS 39. CLOTHING.) CINDERELLA HAT CO., INC., New York, N. Y. Filed June 5, 1924.

Cinderella Hat
NEW YORK

The words "Hat" and "New York" are disclaimed apart from the mark as shown.
Particular description of goods.—Infants', Children's, and Misses' Hats.
Claims use since Nov. 1, 1923.

Ser. No. 198,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATTHEW J. GINTER, Minneapolis, Minn. Filed June 7, 1924.

H.A.R.T.Y.
WHEAT



No claim is made for the word "Wheat" apart from the other matter shown in the drawing. Trade-mark comprises the letters "H.A.R.T.Y." and the portrait of Mr. Matthew J. Ginter, jr.
Particular description of goods.—Food Products—Namely, Cereal Breakfast Foods.
Claims use since on or about May 15, 1924.

Ser. No. 198,261. (CLASS 10. FERTILIZERS.) SPRECKELS BROTHERS COMMERCIAL COMPANY, San Diego, Calif. Filed June 7, 1924.

SPRECKELS San Diego BROTHERS
BILTUP
BRAND
FERTILIZERS
Soilkorective
COMMERCIAL Los Angeles COMPANY

The words "Biltup Brand Fertilizers Soilkorective," "San Diego," and "Los Angeles" are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Fertilizer.
Claims use since Mar. 1, 1924.

Ser. No. 198,277. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN BLUE STONE CO., Warsaw and New York, N. Y. Filed June 9, 1924.

AMBLUCO

Particular description of goods.—Bluestone Treads, Stair Landings, Slabs Used to Form Flooring, and Wall Bases.
Claims use since about April, 1923.

Ser. No. 198,288. (CLASS 39. CLOTHING.) JOHN CHRISTENSEN, St. Paul, Minn. Filed June 9, 1924.

TWENTIETH CENTURY
WATERPROOF APRONS
CHEMICALLIZED

The words "Waterproof Aprons, Chemicalized" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Waterproof Aprons.
Claims use since May 1, 1924.

Ser. No. 198,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT C. LONG, San Francisco, Calif. Filed June 9, 1924.

COVERED WAGON

Particular description of goods.—Table Sirups.
Claims use since May 14, 1924.

Ser. No. 198,322. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUSTACE MILES FOODS (1921) LIMITED, London, England. Filed June 9, 1924.

EMPROTE

Particular description of goods.—Prepared Food Composed of Dried Milk, Cereals, and Other Ingredients Ready for Use When Mixed With Milk, Water, or Other Liquid.
Claims use since November, 1906.

Ser. No. 198,495. (CLASS 39. CLOTHING.) M. AMDUR & SON, New York, N. Y. Filed June 13, 1924.



The lining on the drawing is for the purpose of shading.

Particular description of goods.—Men's and Boys' Clothing and Children's Coats and Suits.

Claims use since about May 5, 1924.

Ser. No. 198,528. (CLASS 39. CLOTHING.) KUNIN-SOLOMON, INC., New York, N. Y. Filed June 13, 1924.



No claim is made to the exclusive use of the words "Kids Undies" apart from the mark as shown in the drawing; but no common-law right to the use of these words is waived.

Particular description of goods.—Underwear—Namely, Bloomers, Combinations, Drawers, and Princess Slips, All of Knitted and Textile Fabrics, for Women and Children.

Claims use since May 5, 1924.

Ser. No. 198,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. A. HARAM & CO., INC., New York, N. Y. Filed June 16, 1924.



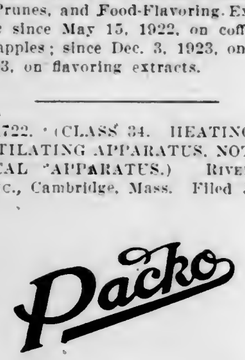
The wording on the label and drawing showing the mark, except the word "Sahco," is disclaimed apart from the mark as shown thereon.

Particular description of goods.—Bread.

Claims use since Apr. 21, 1924.

Ser. No. 198,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JANSZEN GROCERY COMPANY, Cincinnati, Ohio. Filed June 16, 1924.





Particular description of goods.—Coffee, Canned Apples, Dried Prunes, and Food-Flavoring Extracts.

Claims use since May 15, 1922, on coffee; since Nov. 6, 1923, on apples; since Dec. 3, 1923, on prunes; since Mar. 27, 1923, on flavoring extracts.

Ser. No. 198,722. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RIVERSIDE BOILER WORKS, INC., Cambridge, Mass. Filed June 17, 1924.

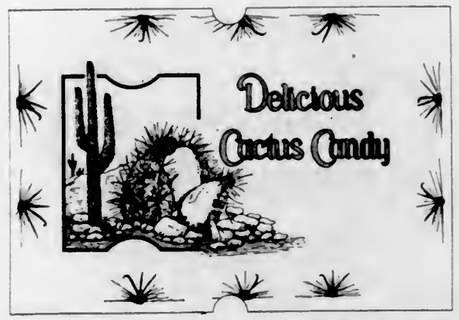


No claim is made to the words "Beautifying Gauze Bed Mitt" or to the representation of a mit apart from the mark shown.

Particular description of goods.—Chemically-Treated Gauze Mit Used for Covering the Hands to Protect Clothing, Etc., When the Hands Have Been Treated with Medicaments and the Like.

Claims use since May 29, 1924.

Ser. No. 198,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE D. CABAMÉROS, El Paso, Tex. Filed June 21, 1924.



The lining on the drawing is intended to represent shading only. No claim is made to the exclusive use of the words "Delicious Cactus Candy."

Particular description of goods.—Candy.

Claims use since January, 1924.

Ser. No. 198,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE D. CABAMÉROS, El Paso, Tex. Filed June 21, 1924.



The lining on the drawing is to indicate shading only. No claim is made to the words "Dulce Mexicano."

Particular description of goods.—Candy.

Claims use since January, 1924.

Ser. No. 198,986. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. M. S., INC., Tarrytown, N. Y. Filed June 23, 1924.



Particular description of goods.—Electrical Heating Apparatus—Namely, Electrical Heaters, Continuous Ribbon Heaters, Electric Heat Controllers, Electric Enameling and Japanning Ovens, and Electric Enamel-Removing Ovens.

Claims use since about April, 1921.

Ser. No. 198,998. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY FERBECK, San Francisco, Calif. Filed June 23, 1924.



No claim is made for the word "Shines" apart from the mark as shown.

Particular description of goods.—Polishing Cloth for Gold, Silver, Brass, Cutlery, and Metals.

Claims use since Apr. 15, 1924.

Ser. No. 199,028. (CLASS 43. THREAD AND YARN.) ALSA S. A., Basel, Switzerland. Filed June 24, 1924.

CELTA

Particular description of goods.—Thread Produced Chemically.

Claims use since Feb. 8, 1924.

Ser. No. 199,029. (CLASS 39. CLOTHING.) M. AMDUR & SON, New York, N. Y. Filed June 24, 1924.

AMDURABLE

Particular description of goods.—Men's, Boys', and Children's Coats and Suits.

Claims use since about May 5, 1924.

Ser. No. 199,111. (CLASS 39. CLOTHING.) LOUISA MARY GOLDIE, doing business as Goldie, Wade & Goldie, Mansfield, England. Filed June 25, 1924.

PLACIT

Particular description of goods.—Hose and Half Hose.

Claims use since September, 1923.

Ser. No. 199,153. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed June 26, 1924.

TELOHM

Particular description of goods.—Resistances for Current-Control Purposes for Radio Receiving and Other Circuits, Including Coupling Resistances and Grid-Leak Resistances.

Claims use since June 21, 1924.

Ser. No. 199,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUERLAIN PERFUMERY CORPORATION, Wilmington, Del. Filed June 26, 1924. Under ten-year proviso.

GUERLAIN

Particular description of goods.—Perfumes, Eau de Cologne, Toilet Waters, Bath Salts, Face Cream; Face, Talcum, and Bath Powders Loose and in Compact Form; Hair Tonics, Mouth Washes, Rouges, and Perfumes for Perfume Burners, Tooth Pastes, and Tooth Powders.
Claims use since 1848.

Ser. No. 199,189. (CLASS 39. CLOTHING.) S. SHAPINSKY & COMPANY, Louisville, Ky. Filed June 26, 1924.

CHALLENGE

Particular description of goods.—Hosiery.
Claims use since 1900.

Ser. No. 199,289. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HAROLD W. MUNRO, Providence, R. I. Filed June 28, 1924.

KATNIPS

Particular description of goods.—Pins, Emblems, Buckles, and Clasps Made of or Plated with Precious Metal, Finger Rings, Bracelets, Cuff Buttons, Lockets, Bib Holders, Pendants, Charms, and Fobs.
Claims use since June 25, 1924.

Ser. No. 199,338. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) APEX ELECTRIC MFG. CO., Chicago, Ill. Filed June 30, 1924.

Microdyne

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Apr. 1, 1924.

Ser. No. 199,355. (CLASS 39. CLOTHING.) JOHANSEN BROS. SHOE COMPANY, St. Louis, Mo. Filed June 30, 1924.

PATENTED
Johansen's
FeetureArch
FLEXIBLE RIGID SHANK
With Feeture Fit Heel

Without waiving its common-law rights applicant disclaims use of the words "Patented," "Arch," and "Flexible Rigid Shank" apart from the mark shown.
Particular description of goods.—Shoes of Leather or a Combination of Leather, Rubber, or Fabric.
Claims use since Mar. 28, 1924.

Ser. No. 199,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill. Filed June 30, 1924.

Hy klass

Particular description of goods.—Canned Peas and Corn.
Claims use since on or about Apr. 1, 1913.

Ser. No. 199,394. (CLASS 12. CONSTRUCTION MATERIALS.) SCHUMACHER WALL BOARD CORPORATION, Wilmington, Del., and Los Angeles, Calif. Filed June 30, 1924.

FIREPROOF
TRIANGLE
PLASTER
WALL BOARD
FLEXIBLE
PERMANENT
DURABLE

No claim is made to the words "Flexible," "Fireproof," "Durable," and "Plaster Wall Board" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Plaster Board.
Claims use since July 26, 1923.

Ser. No. 199,471. (CLASS 39. CLOTHING.) S. GOLDSTEIN BROS., New York, N. Y. Filed July 2, 1924.

FASHIONCRAFT

Particular description of goods.—Felt Hats for Men.
Claims use since June 1, 1924.

Ser. No. 199,513. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE WELLSTON MANUFACTURING CO., Wellston, Ohio. Filed July 2, 1924.

Revolvo

Particular description of goods.—Display Stands.
Claims use since Feb. 1, 1924.

Ser. No. 199,527. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADLUSTRA

The trade-mark consists of the word "BraDlustrA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

Solfast

The trade-mark consists of the word "Solfast."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 29, 1924.

Ser. No. 199,531. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADPACA

The trade-mark consists of the word "BraDpacA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since June 17, 1924.

Ser. No. 199,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I. Filed July 3, 1924.

BRADURA

The trade-mark consists of the word "BraDurA."
Particular description of goods.—Cotton, Silk, and Woolen Piece Goods.
Claims use since May 6, 1924.

Ser. No. 199,568. (CLASS 39. CLOTHING.) "ONYX" HOSIERY INC., New York, N. Y. Filed July 3, 1924.

"Warmex"

Trade-mark consists of the word "Warmex."
Particular description of goods.—Underhose.
Claims use since June 16, 1924.

Ser. No. 199,575. (CLASS 39. CLOTHING.) RUFUS W. SCOTT COMPANY, New York, N. Y. Filed July 3, 1924.

Thorowear

Particular description of goods.—Hosiery.
Claims use since about June 27, 1924.

Ser. No. 199,619. (CLASS 39. CLOTHING.) THE HOBERT-STONE COMPANY, Cleveland, Ohio. Filed July 5, 1924.

DUFFY-ALLS

Particular description of goods.—Overalls and Outer Garments on the Order of Overalls.
Claims use since June 11, 1924.

Ser. No. 199,628. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Oreg. Filed July 5, 1924.



Particular description of goods.—Swimming Suits.
Claims use since May 28, 1920.

Ser. No. 199,648. (CLASS 39. CLOTHING.) SANDBERG & ZENER INC., New York, N. Y. Filed July 7, 1924.

PARIS
Yvette
HATS
REG'D
NEW YORK

No claim is made to the exclusive use of the words "Paris, Hats, Regd., New York," apart from the mark as shown in the drawing, without, however, waiving the common-law rights to the use of these words as essentials of the trade-mark.
Particular description of goods.—Hats.
Claims use since June 7, 1924.

Ser. No. 199,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed July 5, 1924.

Paul Schulze
Biscuit Co.
Chicago

The lettering is not claimed as part of the mark. The mark consists of the representation of a fabric known as plaid. The vertical shading shown in drawing represents a color which may vary. The diagonal shading represents part of the plaid design and has a background of same color as the lighter squares. The squares shown by solid black may also vary in color.
Particular description of goods.—Cookies, Cakes, Crackers, and Biscuits.
Claims use since May 1, 1924.

Ser. No. 199,656. (CLASS 39. CLOTHING.) STIX, BAER & FULLER DRY GOODS CO., St. Louis, Mo. Filed July 5, 1924.

Sailor Boy

Particular description of goods.—Boys' Wash Suits.
Claims use since May 1, 1923.

Ser. No. 199,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRADLEY, SMITH CO., New Haven, Conn. Filed July 7, 1924.

LOLLY POPS

Particular description of goods.—Hard Boiled Candy on Stick or Peg.
Claims use since 1892.

Ser. No. 199,703. (CLASS 39. CLOTHING.) JACOBSON BROTHERS, Pittsburgh, Pa. Filed July 7, 1924.

BIG YANK
TROUSERS

Applicant disclaims the use of the word "Trousers" apart from the mark shown.
Particular description of goods.—Men's Trousers of Cotton, Wool, and Other Fabrics, Pants, Overalls, and Overall Jackets.
Claims use since June 19, 1924.

Ser. No. 199,717. (CLASS 38. PRINTS AND PUBLICATIONS.) PALMER INSTITUTE OF AUTHORSHIP, Hollywood, Calif. Filed July 7, 1924.

PALMER INSTITUTE OF AUTHORSHIP
ERVDITIO CVM VISV

Particular description of goods.—Prints and Publications—Namely, Books, Pamphlets, Brochures, Lectures, Exercises, Lessons, Instructions, Motion-Picture Scenarios, and Manuscripts in Either Printed or Photographic Form in Any Manner Whatsoever Associated with the Courses of Instruction in All Forms of Creative Writing or Any Services Connected Therewith, and Especially in the Art and Technique of Short-Story Writing, Photoplay Writing, Fiction Writing, Dramatic Criticism, and All Other Arts and Techniques Engaged in or Associated with Literary or Dramatic Composition, as Well as Journalism.
Claims use since Mar. 24, 1924.

Ser. No. 199,722. (CLASS 12. CONSTRUCTION MATERIALS.) THERMOTITE CONSTRUCTION, INC., San Jose, Calif. Filed July 7, 1924.

THERMOTITE

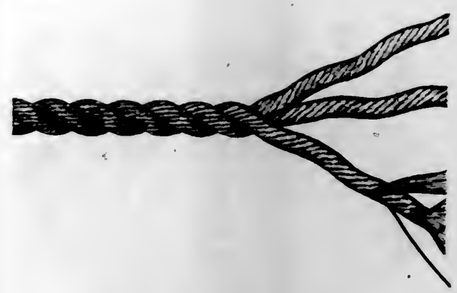
Particular description of goods.—Concrete Blocks.
Claims use since Nov. 10, 1923.

Ser. No. 199,739. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ALLSOPP BROTHERS, Newark, N. J. Filed July 8, 1924.

SPORT

Particular description of goods.—Rings, Cuff Links, Chains, Belt Buckles, Bracelets, and Pins Which are Made Wholly or in Part of Precious Metal or Plated Therewith.
Claims use since Apr. 1, 1924.

Ser. No. 199,747. (CLASS 7. CORDAGE.) THE EDWIN H. FITLER COMPANY, Philadelphia, Pa. Filed July 8, 1924.



The trade-mark consists of an elongated lineal compound yarn, thread, twine, or the like formed of separate yarns of blue and yellow incorporated in one of the threads of which the strands of the rope or cable are composed. No claim is made to the exclusive use of the representation of a rope apart from the trade-mark as shown in the drawing.
Particular description of goods.—Manila Rope and Cable.
Claims use since about May 12, 1924.

Ser. No. 199,751. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL MAGAZINE COMPANY, INC., New York, N. Y. Filed July 8, 1924.

MOTOR
THE AUTOMOTIVE BUSINESS PAPER

The words "The Automotive Business Paper" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Monthly Magazine.
Claims use since July 1, 1924.

Ser. No. 199,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLLS GRAIN & MILLING CO., Los Angeles, Calif. Filed July 8, 1924.

Orange
Brand

The word "Brand" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Livestock Feeds: Cereals—Namely, Cracked Wheat, Farina, Rolled Wheat, Bran, and Rolled Oats, White and Yellow Corn Meal; Family and Bakers' Flour—Namely, Cake, Pastry, and Hot-Cake Flour, Whole-Wheat, Graham, and Self-Rising Flour.
Claims use since 1910.

Ser. No. 199,760. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PENN LEATHER COMPANY, Philadelphia, Pa. Filed July 8, 1924.



Particular description of goods.—Hides, Skins, and Leather.
Claims use since May 11, 1920.

Ser. No. 199,780. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GARDNER GOVERNOR COMPANY, Quincy, Ill. Filed July 9, 1924. Under section 5b of the act of 1905 as amended 1920.



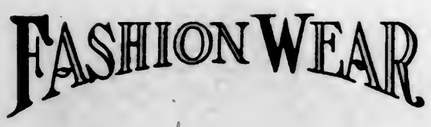
Particular description of goods.—Speed and Pressure Regulators, Pump Governors, Pumps, Compressors, and Parts of Said Mechanisms.
Claims use since 1893.

Ser. No. 199,783. (CLASS 39. CLOTHING.) E. M. HANLEY & CO., New York, N. Y. Filed July 9, 1924.



Particular description of goods.—Knit Underwear in One and Two Piece Garments and Hosiery.
Claims use since September, 1922.

Ser. No. 199,836. (CLASS 39. CLOTHING.) FASHION WEAR SHIRT COMPANY, Cincinnati, Ohio. Filed July 10, 1924.



Particular description of goods.—Work, Negligee, and Dress Shirts.
Claims use since Feb. 11, 1924.

Ser. No. 199,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALLAHAN & SONS, Louisville, Ky. Filed July 11, 1924.



Particular description of goods.—Oats and Stock Foods.
Claims use since June 1, 1924.

Ser. No. 199,913. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ADOLPH WERNER, Milwaukee, Wis. Filed July 11, 1924.



Particular description of goods.—Metal Polish.
Claims use since January, 1921.

Ser. No. 199,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIGGAR-PADGETT COMPANY, Fort Myers, Fla. Filed July 12, 1924.

FERN

Particular description of goods.—Vegetables.
Claims use since November, 1922.

Ser. No. 199,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. SPOHR, doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland. Filed July 12, 1924.



Particular description of goods.—Ferments Made of Gastric Juice Used as a Rennet in Cheese Making.
Claims use since November, 1922.

Ser. No. 199,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARA B. BAKER, Colorado Springs, Col. Filed July 14, 1924.



In so far as there may be any representation of the goods in the mark any such representation is hereby disclaimed apart from the mark as used.
Particular description of goods.—Confections Composed of Candy and Raisins and Made in the Form of Flower Sprays and Blossoms.
Claims use since May 7, 1924.

Ser. No. 199,978. (CLASS 39. CLOTHING.) DVORKIN BROS., New York, N. Y. Filed July 14, 1924.



No claim is made to the word "Clothes" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Young Men's Suits and Topcoats.
Claims use since January, 1923.

Ser. No. 200,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED W. AMEND CO., Chicago, Ill. Filed July 15, 1924.

Chuckle
Jellie
Chuckles

Particular description of goods.—Candy.
Claims use since September, 1923.

Ser. No. 200,034. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BENJAMIN N. BURGLUND, assignor to Radex Company, Inc., Seattle, Wash. Filed July 15, 1924.



Particular description of goods.—Electrical Therapeutical Appliances.
Claims use since June 15, 1915.

Ser. No. 200,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. G. MEAKER CO., INC., Auburn, N. Y. Filed July 15, 1924.



The lining in said drawing is for the purpose of shading only.
Particular description of goods.—Salad Dressing.
Claims use since July, 1919.

Ser. No. 200,057. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWIN B. PILLSBURY, doing business as Grocers' Magazine Company, Boston, Mass. Filed July 15, 1924.

GROCERS'
MAGAZINE

Particular description of goods.—Monthly Magazine.
Claims use since 1900.

Ser. No. 200,115. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed July 16, 1924.

ROLLIES

Particular description of goods.—Hosiery.
Claims use since about Aug. 1, 1924.

Ser. No. 200,136. (CLASS 39. CLOTHING.) JOHN J. DALY, Boston, Mass. Filed July 17, 1924.

Tu-Nu-Sol

Particular description of goods.—Shoes of Leather, Leather and Rubber, Leather and Fabric, and Combinations Thereof.
Claims use since about Apr. 1, 1923.

Ser. No. 200,138. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER T. DEARMIN, doing business as Dearmin & Company, Odon, Ind. Filed July 17, 1924.

DEARCO BRAND

Particular description of goods.—Dressed Poultry and Eggs.
Claims use since May 1, 1924.

Ser. No. 200,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SCHLORER DELICATESSEN CO., INC., Philadelphia, Pa. Filed July 17, 1924.

DIET-NAISE

Particular description of goods.—Salad Dressing, Comprising a Mixture of Albuminous Matter, Fruit Juices, Spices, and an Edible Mineral Oil.
Claims use since July 16, 1924.

Ser. No. 200,171. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMERICAN TRIPOLI COMPANY, Seneca, Mo. Filed July 18, 1924.

TRIPOLIX

Particular description of goods.—Tripoli Flour (Ground Tripoli Stone).
Claims use since July 1, 1924.

Ser. No. 200,183. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

ROD & REEL

Particular description of goods.—Rubber Boots.
Claims use since January, 1920.

Ser. No. 200,185. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

NON SKID

Particular description of goods.—Shoes Made with Canvas Tops and Rubber Soles.
Claims use since September, 1919.

Ser. No. 200,186. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

PROFESSIONAL

Particular description of goods.—Shoes Made with Canvas Tops and Rubber Soles.
Claim use since September, 1921.

Ser. No. 200,187. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

PLANTER

Particular description of goods.—Shoes Made with Canvas Tops and Rubber Soles.
Claims use since September, 1921.

Ser. No. 200,190. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

BRONCHO

Particular description of goods.—Shoes Made with Canvas Tops and Rubber Soles.
Claims use since September, 1923.

Ser. No. 200,191. (CLASS 39. CLOTHING.) CONVERSE RUBBER SHOE CO., Malden, Mass. Filed July 18, 1924.

NEPTUNE

Particular description of goods.—Rubber Boots.
Claims use since October, 1921.

Ser. No. 200,210. (CLASS 39. CLOTHING.) A. S. MATTMANN, New York, N. Y. Filed July 18, 1924.

Particular description of goods.—Shirts, Dresses, Hats, Coats, Turbans, Blouses, Knicker Blouses and Shirts.
Claims use since January, 1920.

Ser. No. 200,212. (CLASS 12. CONSTRUCTION MATERIALS.) THE MEDAL BRICK & TILE CO., Cleveland, Ohio. Filed July 18, 1924.

MEDAL

Particular description of goods.—Brick.
Claims use since 1894.

Ser. No. 200,229. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SKIMIT MFG. CO., Oskaloosa, Iowa. Filed July 18, 1924.

Skimit

Particular description of goods.—Cream Siphoners.
Claims use since 1921.

Ser. No. 200,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. BAIER, doing business as William F. Baier Manufacturing Company, St. Paul, Minn. Filed July 19, 1924.

BAIER'S

Particular description of goods.—Salve for Cuts, Wounds, Boils, Ingrown Hairs and Nails, Carbuncles, Pimples, and the Like.
Claims use since Aug. 1, 1922.

Ser. No. 200,239. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN BATH & COMPANY, INC., Worcester, Mass. Filed July 19, 1924.

Bath

Particular description of goods.—Taps and Dies.
Claims use since July 2, 1924.

Ser. No. 200,242. (CLASS 39. CLOTHING.) BLOOMBERG MILLINERY CO., INC., Richmond, Va. Filed July 19, 1924.

Onlyone

Particular description of goods.—Ladies' Hats.
Claims use since Feb. 5, 1924.

Ser. No. 200,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JANAY MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 19, 1924.

NIGHT-MASK

Particular description of goods.—Bleaching Cream.
Claims use since about Feb. 1, 1921.

Ser. No. 200,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KLEINSCHMIDT MAGNESIA CO., New York, N. Y. Filed July 19, 1924.

K

Particular description of goods.—Citrate-Magnesia Solutions.
Claims use since September, 1914.

Ser. No. 200,281. (CLASS 38. PRINTS AND PUBLICATIONS.) MELVIN C. RICHARDS, Chicago, Ill. Filed July 19, 1924.

SADIE SAYS-
-TRADE MARK-

No claim is made to the words "Trade-Mark" appearing on the drawing.
Particular description of goods.—Cartoons.
Claims use since Jan. 15, 1924.

Ser. No. 200,304. (CLASS 7. CORDAGE.) AMERICAN CORE TWINE CORPORATION, Boston, Mass. Filed July 21, 1924.

DANDYLINE

No claim is made to the word "Line" appearing on the drawing apart from the mark shown.
Particular description of goods.—Clotheslines.
Claims use since July 15, 1924.

Ser. No. 200,322. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed July 21, 1924. Under ten-year proviso.

Kibbe's

Particular description of goods.—Chocolate-Coated Candies, Chocolate-Coated Nuts, Chocolate Drops and Bars, Coconut Candies, Cream Candies, Fudge, Bonbons, Hard Candies in Various Shapes, Salted Nuts, Gumdrops, Caramel Candy, Nougat Candy, Marshmallow Candies, Fig Candy, Nut Candy, Candy Kisses, Pop-Corn Candy and Candied Pop Corn, and Peanut Butter.
Claims use since 1907.

Ser. No. 200,334. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed July 21, 1924.

MARVELLE

Particular description of goods.—Women's and Misses' Dresses.
Claims use since July 16, 1924.

Ser. No. 200,341. (CLASS 39. CLOTHING.) THE RITE FORM CORSET CO., INC., New York, N. Y. Filed July 21, 1924.

Rite-away

Particular description of goods.—Corsets and Brassières.
Claims use since June 26, 1924.

Ser. No. 200,351. (CLASS 39. CLOTHING.) AYCOCK HOSIERY MILLS, South Pittsburg, Tenn. Filed July 22, 1924.

GRAMMER SCHOOL

Particular description of goods.—Hosiery.
Claims use since Feb. 15, 1924.

Ser. No. 200,407. (CLASS 39. CLOTHING.) S. RUDOFKER'S SONS, Philadelphia, Pa. Filed July 23, 1924.

T
RUDO
X

Particular description of goods.—Evening Dress Suits—Namely, Tuxedo Coats, Full-Dress Coats, Vests, and Trousers.
Claims use since June 1, 1923.

Ser. No. 200,414. (CLASS 39. CLOTHING.) THEO. WEISS & COMPANY, INC., New Orleans, La. Filed July 23, 1924.



Particular description of goods.—Overalls, Pants, and Work Shirts.
Claims use since Jan. 1, 1923.

Ser. No. 200,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELLICOTTVILLE SCALE REMOVING CORPORATION, Ellicottville, N. Y. Filed July 24, 1924.

ELLICOTTVILLE SCALE REMOVING CORP.
EBC
ELLICOTTVILLE, N.Y.

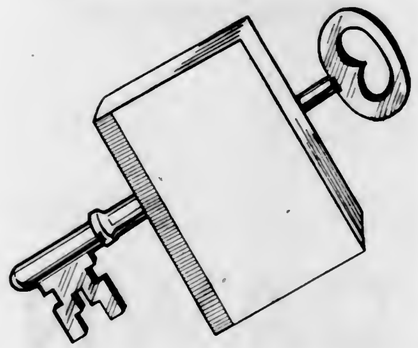
No claim is made for "Ellicottville, N. Y." apart from the mark shown by the drawing.
Particular description of goods.—Boiler-Cleaning and Scale-Removing Compounds.
Claims use since July 2, 1924.

Ser. No. 200,441. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GRADY MFG. CO., Long Island City, N. Y. Filed July 24, 1924.

GLITTERSHINE

Particular description of goods.—Metal Polishes.
Claims use since Nov. 8, 1908.

Ser. No. 200,449. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL GUIDE PUBLISHING CO., Minneapolis, Minn. Filed July 24, 1924.



Particular description of goods.—Route Guide Books.
Claims use since July 16, 1924.

Ser. No. 200,454. (CLASS 39. CLOTHING.) HAROLD LICHTEN, doing business as Triple-Wear Hosiery Mills, Philadelphia, Pa. Filed July 24, 1924.

Forget-me-not

Particular description of goods.—Ladies' Hosiery.
Claims use since July 1, 1924.

Ser. No. 200,457. (CLASS 11. INKS AND INKING MATERIALS.) THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed July 24, 1924.

GUARANTY BOND

Particular description of goods.—Carbon Papers.
Claims use since 1919.

Ser. No. 200,491. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GOLL-EVANS CO. INC., New York, N. Y. Filed July 25, 1924.

Tartini

Particular description of goods.—Strings for Violins and Similar Musical Instruments.
Claims use since Sept. 15, 1923.

Ser. No. 200,499. (CLASS 39. CLOTHING.) JACKIE-KLOTHES, INC., Brooklyn, N. Y. Filed July 25, 1924.

ROYALTEX

Particular description of goods.—Boys' Middy Suits, Blouses, Pants, Jackets, Vests, and Topcoats.
Claims use since August, 1923.

Ser. No. 200,500. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HENRY KASTENS, New York, N. Y. Filed July 25, 1924.

THE MASTER MODEL

No claim is made to the exclusive use of the word "Model" apart from the mark shown in the drawing.

Particular description of goods.—Dating Stamps.

Claims use since October, 1917.

Ser. No. 200,501. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERBERT B. LEDERER CORP., New York, N. Y. Filed July 25, 1924.

WOOLETTE PLAIDS

The term "Plaids" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Cotton Goods in a Piece.

Claims use since June 3, 1924.

Ser. No. 200,515. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) NATIONAL DEPARTMENT STORES, INC., New York, N. Y. Filed July 25, 1924.

NADSCO

Particular description of goods.—Umbrellas.

Claims use since Apr. 10, 1924.

Ser. No. 200,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHERING & GLATZ, INC., New York, N. Y. Filed July 25, 1924.

SCHERING & GLATZ

NEW YORK

No claim is made to the words "New York" apart from the mark shown.

Particular description of goods.—Analgesics, Anesthetics, Anodynes, Antiarthritic, Antiepileptics, Antifermentatives (Medical), Antigonorrheics, Antihemorrhoidals, Antineuralgics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiseptics, Antispasmodics, Cardiac Sedatives, Carminatives, Cholagogues, Deodorants, Diagnostics, Disinfectants, Diuretics, Escharotics, Expectorants, Hypnotics, Intestinal Antiseptics, Mydriatics, Nervines, Neurotonics, Sedatives, Soporifics, Urinary Antiseptics.

Claims use since 1915.

Ser. No. 200,525. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID SHEFTELMAN, doing business as Sunrise Chemical Co., Stroudsburg, Pa. Filed July 25, 1924.

ASPRINADE

Particular description of goods.—Headache, Neuralgia, and Pain Relief.

Claims use since Mar. 15, 1923.

Ser. No. 200,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed July 25, 1924.

FREE-MULSION

Particular description of goods.—Insecticides, Fungicides, Germicides.

Claims use since Mar. 15, 1924.

Ser. No. 200,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed July 25, 1924.

CITRO-MULSION

Particular description of goods.—Insecticides, Fungicides, Germicides.

Claims use since Mar. 15, 1924.

Ser. No. 200,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK H. HINCKLEY, doing business as Calcin Drug Company, New York, N. Y. Filed July 26, 1924.

Calcin

Particular description of goods.—Tonic for the Convalescent Stages of the Acute Infectious Diseases, Particularly of Influenza, Pneumonia, Severe Coryza, and Pleurisy.

Claims use since July 15, 1924.

Ser. No. 200,560. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE E. INGRAHAM COMPANY, Bristol, Conn. Filed July 26, 1924.

DAWN

Particular description of goods.—Clocks.

Claims use since July 18, 1924.

Seer. No. 200,561. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KELLARK ELEC. MFG. CO., St. Louis, Mo. Filed July 26, 1924.

Blue Bell

Particular description of goods.—Transformers.

Claims use since June 1, 1924.

Ser. No. 200,574. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IDA H. MORROW, doing business as The Beau Ideal Company, Clarksville, Tenn. Filed July 26, 1924.

Beau-Ideal

Particular description of goods.—Shampoo.

Claims use since Apr. 1, 1924.

Ser. No. 200,579. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HOWARD E. PLIMPTON, doing business as H. E. Plimpton Manufacturing Co., Walpole, Mass. Filed July 26, 1924.

PORTO

Particular description of goods.—Laundry Cases, School and Commercial Bags.

Claims use since Jan. 24, 1922.

Ser. No. 200,606. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RAFFAELE G. BERLINGIERI, New York, N. Y. Filed July 28, 1924.

LANASETOSCOPIO

Particular description of goods.—Testing Instrument for Woolen and Silken Materials.

Claims use since January, 1924.

Ser. No. 200,615. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) DECA-DISC PHONOGRAPH COMPANY, Waynesboro, Pa. Filed July 28, 1924.

DECA-DISC

Particular description of goods.—Phonographs.

Claims use since June, 1921.

Ser. No. 200,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK PAUL LAURENZANA, Chicago, Ill. Filed July 28, 1924.

NADATOL

Particular description of goods.—Preparation for the Treatment of Leucorrhea.

Claims use since May 10, 1924.

Ser. No. 200,629. (CLASS 39. CLOTHING.) MALLOCH KNITTING MILLS, Grand Rapids, Mich. Filed July 28, 1924.

Queen Bess

Particular description of goods.—Hosiery.

Claims use since Jan. 1, 1924.

Ser. No. 200,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. SEMKEN & CO., INC., New York, N. Y. Filed July 28, 1924.

LAKEWOOD

Particular description of goods.—Eggs.

Claims use since May 1, 1921.

Ser. No. 200,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT K. ZUMPFT, doing business as Redu Chemical Company, Cleveland, Ohio. Filed July 28, 1924.

REDU

Particular description of goods.—Bathing Salts and Bathing Compositions for Reducing Flesh.

Claims use since Feb. 16, 1924.

Ser. No. 200,682. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) IRON CLOSET BEND CO., Morristown, N. J. Filed July 29, 1924.

CLO-BEN

Particular description of goods.—Plumbing-Pipe Connections.

Claims use since May 21, 1924.

Ser. No. 200,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS LUCAS CO., INC., Jamestown, N. Y. Filed July 29, 1924.

Lucas
SKEETER SHOO
Incense

No claim is made to the word "Incense" apart from its use in this trade-mark.

Particular description of goods.—Incense.
Claims use since May 5, 1924.

Ser. No. 200,702. (CLASS 12. CONSTRUCTION MATERIALS.) THE ATLAS LUMNITE CEMENT COMPANY, Baltimore, Md., and New York, N. Y. Filed July 30, 1924.

LUMNITE

Particular description of goods.—Cement.
Claims use since June 5, 1924.

Ser. No. 200,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMOUR BAILLY, Paris, France. Filed July 30, 1924.

PULMO
BAILLY

The word "Bailly" is disclaimed apart from the mark shown in the drawing, no common-law rights in the said word "Bailly" being hereby disclaimed.

Particular description of goods.—Remedy for Neglected Colds, Chronic Bronchitis, Catarrh, Asthma, Pleurisy, Influenza, Laryngitis, and Pharyngitis.
Claims use since 1913.

Ser. No. 200,750. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) CONLON CORPORATION, Cicero, Ill. Filed July 31, 1924.



Particular description of goods.—Electric Clothes Washers.
Claims use since Aug. 29, 1923.

Ser. No. 200,751. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING CO., Dayton, Ohio. Filed July 31, 1924.

UNISYSTEM

Particular description of goods.—Pumps, Water Systems, and Tanks for Said Systems.
Claims use since Jan. 1, 1923.

Ser. No. 200,753. (CLASS 37. PAPER AND STATIONERY.) EAGLE PENCIL COMPANY, New York, N. Y. Filed July 31, 1924.

SIMPLEX

The trade-mark consists of the word "Simplex."

Particular description of goods.—Pencils and Penholders.
Claims use since about Feb. 1, 1896.

Ser. No. 200,761. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed July 31, 1924.

LAVINA

Particular description of goods.—Watchcases, Watches, and Parts Thereof.
Claims use since Apr. 1, 1924.

Ser. No. 200,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTFELDT BROTHERS, New Orleans, La. Filed July 31, 1924.

WB/A
COATEPEC

Particular description of goods.—Green Coffees.
Claims use since about 1918.

Ser. No. 200,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLLACK WEEKS COMPANY, INC., New York, N. Y. Filed Aug. 1, 1924.

KULLA-BRAND

The word "Brand" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Swedish Health Bread.
Claims use since Apr. 22, 1924.

Ser. No. 200,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR COMPANY, Denver, Colo., doing business as The Model Flour Mills, Greeley, Colo. Filed Aug. 2, 1924.



The portrait shown is that of Horace Greeley.

Particular description of goods.—Wheat Flour.
Claims use since June 17, 1924.

Ser. No. 200,867. (CLASS 37. PAPER AND STATIONERY.) A. C. DODMAN, JR., INC., Hoboken, N. J. Filed Aug. 2, 1924.

GRASSTEX

Particular description of goods.—Wall Paper.
Claims use since July 18, 1924.

Ser. No. 200,868. (CLASS 37. PAPER AND STATIONERY.) A. C. DODMAN, JR., INC., Hoboken, N. J. Filed Aug. 2, 1924.

GLOSSTEX

Particular description of goods.—Wall Paper.
Claims use since July 18, 1924.

Ser. No. 200,890. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MEADOR AND YOUNG, Nashville, Tenn. Filed Aug. 2, 1924.

Blue Grass

Particular description of goods.—Coal.
Claims use since December, 1923.

Ser. No. 200,893. (CLASS 37. PAPER AND STATIONERY.) MOSER PAPER COMPANY, Chicago, Ill. Filed Aug. 2, 1924.

FOREVERFOLD

Particular description of goods.—Enameled Book Papers.
Claims use since April, 1922.

Ser. No. 200,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOTT LOGAN MILLING CO., Sheldon, Iowa. Filed Aug. 2, 1924.

CREAM CRUST

Particular description of goods.—Wheat Flour.
Claims use since 1920.

Ser. No. 200,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STERINAUL CO., Stillwater, Okla. Filed Aug. 2, 1924.

STERINAUL
STERINAUL

Particular description of goods.—External Remedy for the Treatment of Infection and Other Injuries and Inflammations of the Skin.
Claims use since June 17, 1924.

Ser. No. 200,932. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed Aug. 4, 1924.

PREMIER

Particular description of goods.—Rubber Tubes.
Claims use since July 8, 1924.

Ser. No. 200,935. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CAROL F. HAMILTON, doing business as The Ride Air Company, Los Angeles, Calif. Filed Aug. 4, 1924.

Ride Air

The shading on the drawing indicates the color red.
Particular description of goods.—Inserts for Leaf Springs of Motor Vehicles.
Claims use since July 18, 1924.

Ser. No. 200,956. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK R. MILLS, doing business as Gas-O-Pep Laboratories, Detroit, Mich. Filed Aug. 4, 1924.

GAS-O-PEP

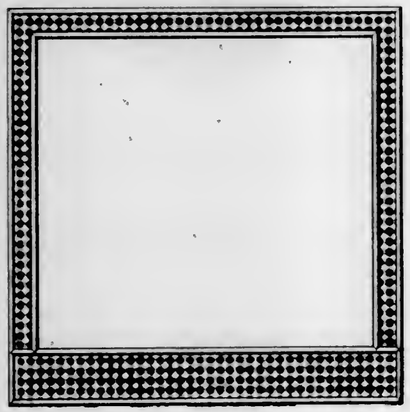
Particular description of goods.—Chemical Composition to be Used in Tablet, Powder, or Liquid Form to be Added to Liquid Fuel When Used Either for Internal-Combustion Engines or for Stoves to Increase Efficiency and to Reduce Carbon.
Claims use since about Nov. 1, 1921.

Ser. No. 200,959. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHERN JOBBING COMPANY, Chicago, Ill. Filed Aug. 4, 1924.

NEWATER

Particular description of goods.—Water Softener and Cleanser.
Claims use since July 12, 1924.

Ser. No. 200,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT-CO., Chicago, Ill. Filed Aug. 4, 1924.



The drawing shows the top lid or cover of a display container for the goods and having a sight opening therein covered by transparent material. The trade-mark shown consists of the representation of a fabric known as plaid marginal to the sight opening. No claim is made to the representation of the lid or cover as a trade-mark.
Particular description of goods.—Crackers, Biscuits, Confections, Plain Cookies and Cakes, and Candied Cookies and Cakes.
Claims use since June 2, 1924.

Ser. No. 200,995. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANG KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1924.

Kord-de-Krepé

Particular description of goods.—Knitted Silk Fabrics of Silk and Artificial Silk.
Claims use since July 25, 1924.

Ser. No. 200,996. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANG KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1924.

Kord-de-Rayón

Particular description of goods.—Knitted Silk Fabrics of Silk and Artificial Silk.
Claims use since July 25, 1924.

Ser. No. 200,998. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANG KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1924.

LANG KNITTING MILLS LKM

Particular description of goods.—Knitted Silk Fabrics of Silk and Artificial Silk.
Claims use since July 25, 1924.

Ser. No. 201,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 5, 1924.

RAYONOL

Particular description of goods.—Oleaginous Preparation for Use as a Scouring Agent for Textile Fibers Including Artificial Silk.
Claims use since about June 19, 1924.

Ser. No. 201,013. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SANITARY COMPANY OF AMERICA, Philadelphia, Pa. Filed Aug. 5, 1924.

D&S

Particular description of goods.—Adjustable Boiler Stands.
Claims use since Apr. 1, 1924.

Ser. No. 201,016. (CLASS 2. RECEPTACLES.) V. VIVAUDOU, INC., New York, N. Y. Filed Aug. 5, 1924.

Boudoirette

Particular description of goods.—Cosmetic Containers.
Claims use since Mar. 17, 1924.

Ser. No. 201,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAGHEE CHEMICAL CORPORATION, Lander, Wyo. Filed Aug. 6, 1924.

"RATIONAL"

Particular description of goods.—Medicinal Preparation Used in the Treatment of Epilepsy.
Claims use since 1914.

Ser. No. 201,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN UTASZ, doing business as John Utasz Co., New Brunswick, N. J. Filed Aug. 6, 1924.

OMEGA

Particular description of goods.—Hair Restorer.
Claims use since Aug. 21, 1920.

Ser. No. 201,080. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAUDE W. DODDRIDGE, doing business as Killingsworth Avenue Drug Company, Portland, Oreg. Filed Aug. 7, 1924.

POLICE PATROLS



Particular description of goods.—Laxative Tablets.
Claims use since June 1, 1920.

Ser. No. 201,082. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FOX TRADING COMPANY, INC., New York, N. Y. Filed Aug. 7, 1924.



Particular description of goods.—Animal Skins with and without Fur, Dressed and Undressed.
Claims use since July 24, 1924.

Ser. No. 201,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) V. VIVAUDOU, INC., New York, N. Y. Filed Aug. 7, 1924.

JASMIN NOIR

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since July 25, 1924.

Ser. No. 201,149. (CLASS 12. CONSTRUCTION MATERIALS.) SIMON MANGES & SON, INC., New York, N. Y. Filed Aug. 8, 1924.

Segnam

Particular description of goods.—Floorings in the Nature of a Vulcanized-Rubber Tile, Cork Tile, and Composition Tile.
Claims use since about Feb. 1, 1924.

Ser. No. 201,176. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CARRIER CONSTRUCTION COMPANY, INC., Newark, N. J. Filed Aug. 9, 1924.

AEROFIN

Particular description of goods.—Tubular Radiators or Heaters.
Claims use since on or about Jan. 1, 1924.

Ser. No. 201,185. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE C. B. DOLGE COMPANY, doing business as The C. B. Dolge Co., Westport, Conn. Filed Aug. 9, 1924.

ZING

Particular description of goods.—Preparation for Cleaning Walls, Woodwork, Marble, Tile, Slate, Floors, Furniture, Metal, Windows, Mirrors, Bowls, and Sinks and Removes Dirt and Discolorations.
Claims use since June 23, 1924.

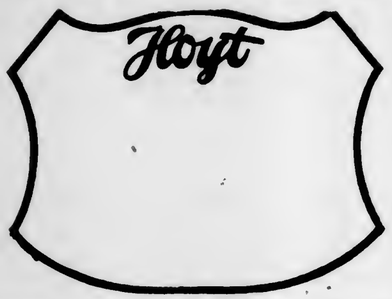
Ser. No. 201,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR C. CROFT, Kansas City, Mo. Filed Aug. 11, 1924.



NancyMarston

Particular description of goods.—Chocolates and Candies.
Claims use since June 2, 1924.

Ser. No. 201,240. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HOYT HEATER COMPANY, Vernon, Calif. Filed Aug. 11, 1924.



Particular description of goods.—Water Heaters.
Claims use since Nov. 16, 1923.

Ser. No. 201,246. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST LEBERS, New York, N. Y. Filed Aug. 11, 1924.

MILK WHITE

Particular description of goods.—Eggs.
Claims use since April, 1924.

Ser. No. 201,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON & CO., INC. OF CALIFORNIA, Chicago, Ill., and Los Angeles, Calif. Filed Aug. 11, 1924.

WILSO

Particular description of goods.—Oleomargarine.
Claims use since Feb. 13, 1924.

Ser. No. 201,275. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) APPLETON COMPANY, Lowell, Mass. Filed Aug. 12, 1924. Under ten-year proviso.



APPLETON A SHEETINGS

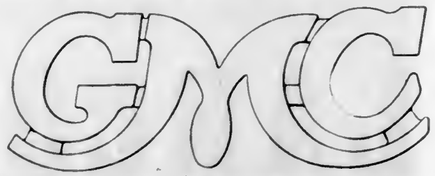
Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 5, 1864.

Ser. No. 201,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. H. CHURCHILL CO., Los Angeles, Calif. Filed Aug. 13, 1924.

Galliano

Particular description of goods.—Fresh Grapes.
Claims use since July 17, 1924.

Ser. No. 201,341. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 13, 1924.



Trade-mark consists of the letters "G M C."
Particular description of goods.—Motor-Driven Trucks.
Claims use since about Aug. 1, 1911.

Ser. No. 201,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. M. SINCLAIR & CO., LTD., Cedar Rapids, Iowa. Filed Aug. 13, 1924.

Cedar Brook

Particular description of goods.—Butter.
Claims use since July 26, 1924.

Ser. No. 201,388. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Aug. 14, 1924.

Goldspure

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Aug. 1, 1924.

Ser. No. 201,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Aug. 14, 1924.

MENU

Particular description of goods.—Candy.
Claims use since April, 1924.

Ser. No. 201,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRISP PACKING COMPANY, INCORPORATED, Petersburg, Va. Filed Aug. 14, 1924.

"SILVER SNAPS"

Particular description of goods.—Candy.
Claims use since September, 1919.

Ser. No. 201,451. (CLASS 39. CLOTHING.) GEO. P. IDE & CO. INC., Troy, N. Y. Filed Aug. 15, 1924.

Ide

Particular description of goods.—Men's Underwear.
Claims use since Dec. 31, 1923.

Ser. No. 201,457. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ANSELME LAURENT, Lyon, France. Filed Aug. 15, 1924.

"Bloccus"

Particular description of goods.—Machinery Packing.
Claims use since May 3, 1924.

Ser. No. 201,467. (CLASS 39. CLOTHING.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Aug. 15, 1924.

Formoped

Trade-Mark consists of the word "Formoped."
Particular description of goods.—Hosiery.
Claims use since July 10, 1924.

Ser. No. 201,482. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE AMERICAN BRIQUET COMPANY, Philadelphia, Pa. Filed Aug. 16, 1924.

AMBRICOAL

Particular description of goods.—Coal Briquets.
Claims use since Nov. 19, 1919.

Ser. No. 201,510. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) POCONO RUBBER CLOTH COMPANY, Trenton, N. J. Filed Aug. 16, 1924.

POCO-DECK

Particular description of goods.—Waterproofed Fabrics and Rubberized Fabrics.
Claims use since on or about May 13, 1924.

Ser. No. 201,574. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. C. MOORE & CO., San Francisco, Calif. Filed Aug. 18, 1924.

Golden Gate Park

Particular description of goods.—Grass Seed.
Claims use since prior to 1906.

Ser. No. 201,656. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE ECLAT RUBBER COMPANY, Cuyahoga Falls, Ohio. Filed Aug. 20, 1924.

EKLA

Particular description of goods.—Rubber Tires.
Claims use since about Oct. 1, 1923.

Ser. No. 201,719. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARL E. SCHMIDT AND COMPANY, INC., Detroit, Mich. Filed Aug. 21, 1924.

Goldenglow

Particular description of goods.— Leather.
Claims use since May 1, 1924.

Ser. No. 201,740. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CENTRAL LUMBER & COAL COMPANY, Dubuque, Iowa. Filed Aug. 22, 1924.

BLACK GOLD

Particular description of goods.— Coal.
Claims use since Aug. 1, 1924.

Ser. No. 201,759. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Aug. 22, 1924.

NEUTRAGROG

Particular description of goods.—Chrome Ore.
Claims use since Apr. 30, 1924.

Ser. No. 201,761. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Aug. 22, 1924.

LARCO

Particular description of goods.—Chrome Ore.
Claims use since Feb. 18, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 30, 1924.

189,814. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,012. PUBLISHED JULY 22, 1924.

189,815. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,013. PUBLISHED JULY 22, 1924.

189,816. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,014. PUBLISHED JULY 22, 1924.

189,817. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,015. PUBLISHED JULY 22, 1924.

189,818. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,016. PUBLISHED JULY 22, 1924.

189,819. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,017. PUBLISHED JULY 22, 1924.

189,820. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed June 4, 1924. Serial No. 198,061. PUBLISHED JULY 22, 1924.

189,821. STOCKMEN'S BED SHEETS. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex.
Filed June 5, 1924. Serial No. 198,124. PUBLISHED JULY 22, 1924.

189,822. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., New York, N. Y., and Clinton, Mass.
Filed June 5, 1924. Serial No. 198,154. PUBLISHED JULY 22, 1924.

189,823. INFANTS' AND CHILDREN'S STOCKINGS. CHAS. SARFERT, doing business as Garland Hosiery Mills, Philadelphia, Pa.
Filed May 14, 1924. Serial No. 197,052. PUBLISHED JULY 22, 1924.

189,824. MISCELLANEOUS LUMBER PRODUCTS—NAMELY, GARAGE DOORS. THE ROWE & GILES LUMBER CO., Chagrin Falls, Ohio.
Filed May 13, 1924. Serial No. 196,973. PUBLISHED JULY 22, 1924.

189,825. MEN'S SUITS. MOROTOCK MFG. CO., Danville, Va.
Filed May 12, 1924. Serial No. 196,924. PUBLISHED JULY 22, 1924.

189,826. SWEATERS. GREATER MANHATTAN KNITTING MILLS, INC., New York, N. Y.
Filed May 9, 1924. Serial No. 196,805. PUBLISHED JULY 22, 1924.

189,827. HOSIERY. SOLOMON SCHLEISNER, doing business as Schleisner Co., Baltimore, Md.
Filed May 8, 1924. Serial No. 196,766. PUBLISHED JULY 22, 1924.

189,828. SHOCK ABSORBERS. AEROBELLE COMPANY, Worcester, Mass.
Filed May 7, 1924. Serial No. 196,686. PUBLISHED JULY 22, 1924.

189,829. MEN'S ROBES. POLLAK BEHRENS & COMPANY, New York, N. Y.
Filed May 6, 1924. Serial No. 196,674. PUBLISHED JULY 22, 1924.

189,830. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed May 6, 1924. Serial No. 196,657. PUBLISHED JULY 22, 1924.

189,831. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed May 6, 1924. Serial No. 196,656. PUBLISHED JULY 22, 1924.

189,832. CLOTHES—NAMELY, SUITS AND COATS. HARRIS & FRANK, Los Angeles, Calif.
Filed April 16, 1924. Serial No. 195,640. PUBLISHED JULY 22, 1924.

189,833. POSTAGE STAMPS FOR COLLECTORS. FRANS VAN DER BOM, New York, N. Y.
Filed May 5, 1924. Serial No. 196,631. PUBLISHED JULY 22, 1924.

189,834. ASPHALTIC COMPOUND FOR USE IN THE MANUFACTURE OF AUTOMOBILE TIRES, ETC. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed May 5, 1924. Serial No. 196,629. PUBLISHED JULY 22, 1924.

189,835. LADIES', MISSES', AND JUNIORS' COATS AND SUITS IN ONE, TWO, AND THREE PIECE GARMENTS. SIEGEL BROS. & BURNSTINE, New York, N. Y.
Filed May 5, 1924. Serial No. 196,624. PUBLISHED JULY 22, 1924.

189,836. HOSIERY FOR MEN, WOMEN, AND CHILDREN. NICHOLSON-FEINBERG, INC., New York, N. Y.
Filed May 5, 1924. Serial No. 196,614. PUBLISHED JULY 22, 1924.

189,837. PAPER PUBLISHED TWICE EVERY MONTH. MARYLAND AGRICULTURAL SOCIETY—THE MARYLAND FARM BUREAU FEDERATION, Baltimore, Md.
Filed May 5, 1924. Serial No. 196,602. PUBLISHED JULY 8, 1924.

189,838. SOAP AND SOAP PRODUCTS. BONDED PRODUCTS CORPORATION, New York, N. Y.
Filed May 5, 1924. Serial No. 196,571. PUBLISHED JULY 1, 1924.

189,839. HOSIERY. BELLANN HOSIERY MILLS, INC., New York, N. Y.
Filed May 5, 1924. Serial No. 196,568. PUBLISHED JULY 22, 1924.

189,840. INLAID LINOLEUM. THE NAIRN LINOLEUM COMPANY, Kearny, N. J.
Filed May 3, 1924. Serial No. 196,541. PUBLISHED JUNE 24, 1924.

189,841. EDUCATIONAL DEVICE ADAPTED TO EXHIBIT SHOE SIZES. UNITED LAST COMPANY, Auburn, Me., and Boston, Mass.
Filed May 1, 1924. Serial No. 196,414. PUBLISHED JULY 22, 1924.

189,842. MEN'S, BOYS', WOMEN'S, MISSES', AND CHILDREN'S SUITS, DRESSES, CLOAKS, WRAPS, OVERCOATS, JACKETS, SWEATERS, HATS, CAPS, NECKTIES, MUFFLERS, COLLARS, HOSIERY; GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS; SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS; RIDING BOOTS, PUTTIES, SPATS, BATH ROBES, PYJAMAS, AND KNITTED AND TEXTILE UNDERWEAR OF ONE AND TWO PIECES. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed April 28, 1924. Serial No. 196,280. PUBLISHED JULY 22, 1924.

189,843. CANDY. JOS. B. FUNKE COMPANY, also doing business as The Jos. B. Funke Co. and Funke's, La Crosse, Wis.
Filed May 21, 1924. Serial No. 197,369. PUBLISHED JULY 29, 1924.

189,844. CANNED PEAS AND SAUERKRAUT. BIG FOUR CANNING CO., Stanley, Wis.
Filed May 21, 1924. Serial No. 197,356. PUBLISHED JULY 29, 1924.

189,845. CANNED VEGETABLES—NAMELY, BEANS. CANNED BLACKBERRIES; AND CANNED FISH NAMELY, SALMON. ALLEN & HENDRICKSON PACKING CO., INC., Portland, Oreg.
Filed May 19, 1924. Serial No. 197,238. PUBLISHED JULY 29, 1924.

189,846. FRESH CITROUS FRUITS AND FRESH DECIDUOUS FRUITS AND NUTS CANDIED, SALTED, AND IN THEIR NATURAL STATE AND FRESH CANTALOUPES. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif.
Filed April 26, 1924. Serial No. 196,189. PUBLISHED JULY 29, 1924.

189,847. FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, AND NUTS IN THEIR NATURAL STATE. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif.
Filed April 26, 1924. Serial No. 196,188. PUBLISHED JULY 29, 1924.

189,848. FRESH CITROUS FRUIT, FRESH DECIDUOUS FRUIT, NUTS CANDIED, SALTED, AND IN THEIR NATURAL STATE. ORANGETHORPE CITRUS ASSOCIATION, Fullerton, Calif.
Filed April 26, 1924. Serial No. 196,187. PUBLISHED JULY 29, 1924.

189,849. CANNED PINEAPPLE. HONOLULU FRUIT COMPANY, LTD., Honolulu, Hawaii.
Filed April 11, 1924. Serial No. 195,398. PUBLISHED JULY 29, 1924.

189,850. CANDY. GEORGE A. DEATEL, doing business as The Holland Maide Company, Baltimore, Md.
Filed March 18, 1924. Serial No. 193,994. PUBLISHED JULY 29, 1924.

189,851. CANNED FRUIT — NAMELY, CANNED PEACHES, CANNED PLUMS, CANNED APRICOTS, CANNED PINEAPPLE; DRIED FRUIT—NAMELY, DRIED APPLES, PEACHES, PRUNES, RAISINS, APRICOTS, FIGS, AND DATES. ROLF ERNST STAHLBAUM, San Francisco, Calif.
Filed February 7, 1924. Serial No. 191,987. PUBLISHED JULY 29, 1924.

189,852. SMOKED HADDOCK CUT INTO THE FORM OF FILLETS. CHESEBRO BROTHERS & ROBBINS, INC., New York, N. Y.
Filed November 23, 1923. Serial No. 188,741. PUBLISHED JUNE 17, 1924.

189,853. CANNED CORN. IOWA CITY CANNING CO., Iowa City, Iowa.
Filed July 26, 1923. Serial No. 183,712. PUBLISHED JULY 29, 1924.

189,854. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. GARCIA & MAGGINI CO., San Francisco, Calif.
Filed June 21, 1923. Serial No. 182,300. PUBLISHED JULY 29, 1924.

189,855. MALT EXTRACT FOR FOOD PURPOSES ONLY. [illegible], Chicago, Ill.
Filed May 19, 1923. Serial No. 180,887. PUBLISHED JULY 29, 1924.

189,856. CANNED PIMIENTO PEPPERS. POMONA PRODUCTS COMPANY, Griffin, Ga.
Filed May 17, 1923. Serial No. 180,775. PUBLISHED JULY 29, 1924.

189,857. SODA CRACKERS AND SODA BISCUITS. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed May 16, 1923. Serial No. 180,719. PUBLISHED JULY 22, 1924.

189,858. FRESH CITROUS FRUITS—NAMELY, PINEAPPLES, GRAPEFRUIT, AND ORANGES. MILLS BROTHERS, Chicago, Ill.
Filed April 25, 1923. Serial No. 179,674. PUBLISHED MAY 20, 1924.

189,859. CHOCOLATE-COATED PEANUT-CANDY CAKE. JOHN J. M. CARAMETOS, doing business as E. B. Candy Co., Chicago, Ill.
Filed December 15, 1922. Serial No 173,349. PUBLISHED JULY 29, 1924.

189,860. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,011. PUBLISHED JULY 22, 1924.

189,861. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,010. PUBLISHED JULY 22, 1924.

189,862. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,008. PUBLISHED JULY 22, 1924.

189,863. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,007. PUBLISHED JULY 22, 1924.

189,864. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,006. PUBLISHED JULY 22, 1924.

189,865. COTTON BLANKETS AND COTTON PIECE GOODS. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass.
Filed June 3, 1924. Serial No. 198,005. PUBLISHED July 22, 1924.

189,866. COTTON PIECE GOODS. THE BARSA CORPORATION, New York, N. Y.
Filed June 3, 1924. Serial No. 197,984. PUBLISHED JULY 22, 1924.

189,867. FRESH CITROUS FRUITS. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif.
Filed June 2, 1924. Serial No. 197,950. PUBLISHED July 29, 1924.

189,868. CERTAIN NAMED PIECE GOODS. KUNST & SMALL CO., New York, N. Y.
Filed May 27, 1924. Serial No. 197,669. PUBLISHED JULY 22, 1924.

189,869. HAIR NETS. SITROUX IMPORTING CO. INC., New York, N. Y.
Filed May 24, 1924. Serial No. 197,564. PUBLISHED JULY 22, 1924.

189,870. ARTIFICIAL SILK PIECE GOODS. M. I. HALPERIN, Brooklyn, N. Y.
Filed May 23, 1924. Serial No. 197,482. PUBLISHED JULY 22, 1924.

189,871. COTTON AND WOOLEN PIECE GOODS. ROJO FABIAN & CO., New York, N. Y.
Filed May 13, 1924. Serial No. 196,971. PUBLISHED JULY 22, 1924.

189,872. SILK AND COTTON MIXED PIECE GOODS. H. JACOB & SONS, INC., New York, N. Y.
Filed May 10, 1924. Serial No. 196,871. PUBLISHED JULY 22, 1924.

189,873. CERTAIN NAMED TEXTILES. HART SILK COMPANY, San Francisco, Calif.
Filed May 10, 1924. Serial No. 196,866. PUBLISHED JULY 22, 1924.

189,874. CERTAIN NAMED BATH ARTICLES. HOHLFELD MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 8, 1924. Serial No. 196,745. PUBLISHED JULY 22, 1924.

189,875. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO, New York, N. Y.
Filed April 30, 1924. Serial No. 196,354. PUBLISHED JULY 22, 1924.

189,876. SATIN RIBBONS IN THE BOLT. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed April 4, 1924. Serial No. 194,987. PUBLISHED JULY 22, 1924.

189,877. COCOA. N. V. STOOM CHOCOLADE & CACAOFABRIEK "KWATTA," Breda, Netherlands.
Filed October 30, 1923. Serial No. 187,699. PUBLISHED JULY 29, 1924.

189,878. ORGANIC FOOD PREPARATION MADE FROM ANIMAL GLANDS AND COVERED WITH CHOCOLATE. DR. LABOSCHIN-HAGEDA AKTIENGESELLSCHAFT FABRIK CHEMISCH-PHARMACEUTISCHER PRÄPARATE, Berlin, Germany.
Filed September 19, 1923. Serial No. 185,930. PUBLISHED JULY 22, 1924.

189,879. CROCHET AND KNITTING NEEDLES. JOSÉ MARCEL ORTEGA, Addlestone, Surrey, England.
Filed May 1, 1923. Serial No. 180,026. PUBLISHED JULY 22, 1924.

189,880. CHOCOLATE. ELINE'S INCORPORATED, Milwaukee, Wis.
Filed June 9, 1924. Serial No. 198,294. PUBLISHED JULY 29, 1924.

189,881. CANDY. PAUL FREUND, INC., New Orleans, La.
Filed June 6, 1924. Serial No. 198,177. PUBLISHED JULY 29, 1924.

189,882. FRESH CITROUS FRUITS. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif.
Filed June 2, 1924. Serial No. 197,957. PUBLISHED JULY 29, 1924.

189,883. FRESH CITROUS FRUITS. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif.
Filed June 2, 1924. Serial No. 197,955. PUBLISHED JULY 29, 1924.

189,884. CANNED FISH—NAMELY, CANNED TUNNY AND CANNED SARDINES. MAX A. REX, doing business as California Sea Food Co., Los Angeles, Calif.
Filed May 31, 1924. Serial No. 197,907. PUBLISHED JULY 29, 1924.

189,885. CANDY BARS. F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn.
Filed May 24, 1924. Serial No. 197,548. PUBLISHED JULY 29, 1924.

189,886. CANDY BARS. F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn.
Filed May 24, 1924. Serial No. 197,547. PUBLISHED JULY 29, 1924.

189,887. CANNED FISH, SPECIFICALLY CANNED SARDINES. IWAN BURGER, INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,415. PUBLISHED JULY 29, 1924.

189,888. CANNED FISH, SPECIFICALLY CANNED SARDINES. IWAN BURGER, INC., New York, N. Y.
Filed May 22, 1924. Serial No. 197,414. PUBLISHED JULY 29, 1924.

189,889. CHEESE AND BUTTER. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio.
Filed April 22, 1921. Serial No. 146,524. PUBLISHED NOVEMBER 13, 1923.

189,890. WHEAT FLOUR, AND PARTICULARLY SELFRISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed June 7, 1923. Serial No. 181,629. PUBLISHED JULY 29, 1924.

189,891. WHEAT FLOUR, AND PARTICULARLY SELF-RISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed June 7, 1923. Serial No. 181,630. PUBLISHED JULY 29, 1924.

189,892. HORSE FEED, DAIRY FEED, AND SCRATCH FEED. SECURITY MILLS, Knoxville, Tenn.
Filed February 13, 1924. Serial No. 192,221. PUBLISHED JULY 29, 1924.

189,893. CHEESE. SILBERMAN BROS., INC., Jersey City, N. J.
Filed March 31, 1924. Serial No. 194,739. PUBLISHED JULY 29, 1924.

189,894. MEDICINAL MINERALIZED FEED. EARL RHINE, doing business as Oelwein Chemical Company, Oelwein, Iowa.
Filed May 8, 1924. Serial No. 196,762. PUBLISHED JULY 29, 1924.

189,895. CEREAL STOCK AND POULTRY FEED AND MINERALIZED STOCK AND POULTRY FEED. FRED W. SIMPSON, Chicago, Ill.
Filed May 9, 1924. Serial No. 196,829. PUBLISHED JULY 29, 1924.

189,896. BAKERY PRODUCTS OF A PRETZELLIKE NATURE. PRETZ-STICKS BAKING COMPANY, Myerstown, Pa.
Filed May 21, 1924. Serial No. 197,392. PUBLISHED JULY 29, 1924.

189,897. BUTTER. ABERDEEN CREAMERY COMPANY, Aberdeen, Miss.
Filed May 31, 1924. Serial No. 197,856. PUBLISHED JULY 29, 1924.

189,898. PIE-CRUST COMPOSITION. MARY G. GARDNER, doing business as Aunt Mary's Pie Crust Company (Not Incorporated), Evanston, Ill.
Filed June 2, 1924. Serial No. 197,930. PUBLISHED JULY 29, 1924.

189,899. WHEAT FLOUR. HUMBOLDT MILLING COMPANY, Humboldt, Tenn.
Filed June 2, 1924. Serial No. 197,937. PUBLISHED JULY 29, 1924.

189,900. SANDWICHES. MRS. ZORN'S JUNIOR CLUB SANDWICHES, Richmond, Va.
Filed June 2, 1924. Serial No. 197,978. PUBLISHED JULY 29, 1924.

189,901. WHEAT FLOUR. MORTEN MILLING COMPANY, Dallas, Tex.
Filed June 6, 1924. Serial No. 198,195. PUBLISHED JULY 29, 1924.

189,902. BUTTER. A. F. THIBODEAU COMPANY, INC., Detroit, Mich.
Filed July 12, 1924. Serial No. 198,485. PUBLISHED JULY 29, 1924.

189,903. WOOLEN GOODS IN THE PIECE. JAMES A. DOYLE, New York, N. Y.
Filed July 6, 1921. Serial No. 150,062. PUBLISHED JULY 22, 1924.

189,904. COFFEE. PEERLESS COFFEE COMPANY, Oakland, Calif.
Filed October 19, 1922. Serial No. 170,950. PUBLISHED JULY 22, 1924.

189,905. SOAP. THE REMMERS SOAP COMPANY, Cincinnati, Ohio.
Filed November 4, 1922. Serial No. 171,590. PUBLISHED JULY 22, 1924.

189,906. SALAD DRESSING. SCHOLL BROS., Houston, Tex.
Filed January 30, 1923. Serial No. 175,327. PUBLISHED JULY 22, 1924.

189,907. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed March 5, 1923. Serial No. 176,938. PUBLISHED JULY 22, 1924.

189,908. ICE-CREAM PREPARATION. GEORGE H. CLEM, doing business as Clem Cream Works, Little Rock, Ark.
Filed March 9, 1923. Serial No. 177,165. PUBLISHED JULY 22, 1924.

189,909. CONDENSED MILK AND EVAPORATED MILK. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y.
Filed April 19, 1923. Serial No. 179,363. PUBLISHED JULY 22, 1924.

189,910. CERTAIN FOODS. LIBBY, MCNEILL & LIBBY, Chicago, Ill.
Filed April 21, 1923. Serial No. 179,477. PUBLISHED JULY 22, 1924.

189,911. BISCUITS AND PATTY SHELLS FORMED OF WHOLE WHEAT. SCOTT H. PERRY, doing business as The Muffets Company, New York, N. Y.
Filed April 25, 1923. Serial No. 179,680. PUBLISHED JULY 22, 1924.

189,912. MEAT PRODUCTS. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio.
Filed June 22, 1923. Serial No. 182,348. PUBLISHED JULY 22, 1924.

189,913. COTTON PIECE GOODS. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa.
Filed July 7, 1923. Serial No. 182,924. PUBLISHED JULY 22, 1924.

189,914. VINEGAR. ROANOKE APPLE PRODUCTS CO., Roanoke, Va.
Filed August 15, 1923. Serial No. 184,517. PUBLISHED JULY 22, 1924.

189,915. MALT SIRUP FOR FOOD PURPOSES. HERMAN MIHM, Pittsburgh, Pa.
Filed September 7, 1923. Serial No. 185,484. PUBLISHED JULY 22, 1924.

189,916. REGISTERED GUERNSEY CATTLE AND THEIR DAIRY PRODUCTS—NAMELY, FRESH MILK, CREAM, AND BUTTER, CHEESE, ICE CREAM; FARM PRODUCTS—NAMELY, FRESH DECIDUOUS FRUITS COMPRISING APPLES, PEARS, AND PEACHES, FRESH VEGETABLES; LIVE POULTRY, COMPRISING WHITE LEGHORNS AND THEIR PRODUCTS—NAMELY, EGGS AND DAY-OLD CHICKENS. GEORGE M. HENDEE, Suffield, Conn.
Filed October 12, 1923. Serial No. 186,904. PUBLISHED JULY 22, 1924.

189,917. FABRIC IN THE PIECE, COMPOSED ENTIRELY OF CAMEL'S HAIR. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed November 26, 1923. Serial No. 188,938. PUBLISHED JULY 22, 1924.

189,918. FABRIC IN THE PIECE, COMPOSED ENTIRELY OF WOOL OR OTHER ANIMAL FIBERS. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed November 26, 1923. Serial No. 188,939. PUBLISHED JULY 22, 1924.

189,919. COTTON DUCK USED FOR APRONS FOR LAUNDRY MACHINES, ETC. PITTSBURG WATERPROOF COMPANY, Pittsburgh, Pa.
Filed December 5, 1923. Serial No. 189,270. PUBLISHED JULY 22, 1924.

189,920. TABLE MATS MADE OF COTTON TWINE. HENRY S. SAMPLINER, doing business as The S & S Novelty Company, Cleveland, Ohio.
Filed December 19, 1923. Serial No. 189,918. PUBLISHED JULY 22, 1924.

189,921. CORN SIRUP. ANHEUSER-BUSCH, INC., St. Louis, Mo.
Filed February 9, 1924. Serial No. 192,053. PUBLISHED JULY 22, 1924.

189,922. PAINTS AND PAINTERS' MATERIALS. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed February 16, 1924. Serial No. 192,442. PUBLISHED JULY 1, 1924.

189,923. BELT BUCKLES AND BUCKLES AND CLASPS FOR SHOES AND SLIPPERS, NOT MADE OF PRECIOUS METAL. THE RIKER COMPANY, Newark, N. J.
Filed April 12, 1923. Serial No. 179,056. PUBLISHED JULY 22, 1824.

189,924. SOAP. ROME SOAP MFG. CO., Rome, N. Y.
Filed August 4, 1923. Serial No. 184,103. PUBLISHED JULY 22, 1924.

189,925. CHEMICAL CLEANSING AND WASHING COMPOUNDS. THE SOLVAY PROCESS COMPANY, Solvay, N. Y.
Filed April 1, 1924. Serial No. 194,823. PUBLISHED JULY 22, 1924.

189,926. MONTHLY PUBLICATION PUBLISHED IN THE INTEREST OF DAIRYING. SEGO MILK PRODUCTS COMPANY, Salt Lake City, Utah.
Filed April 11, 1924. Serial No. 195,418. PUBLISHED JULY 22, 1924.

189,927. MAGAZINE PUBLISHED MONTHLY. CORTE PUBLISHING CO., New York, N. Y.
Filed April 18, 1924. Serial No. 195,742. PUBLISHED JULY 8, 1924.

189,928. MONTHLY HEALTH PUBLICATION. F. J. BABCOCK, doing business as Babcock Laboratories, Chicago, Ill.
Filed May 5, 1924. Serial No. 196,565. PUBLISHED JULY 8, 1924.

189,929. METAL-POLISHING ROUGE. ZUCKER SONS CO., INC., Elizabeth, N. J.
Filed May 9, 1924. Serial No. 196,844. PUBLISHED JULY 22, 1924.

189,930. MAGAZINE PUBLISHED MONTHLY. EARNSHAW SALES COMPANY, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,854. PUBLISHED JULY 8, 1924.

189,931. MAGAZINE PUBLISHED MONTHLY. EARNSHAW SALES COMPANY, Chicago, Ill.
Filed May 10, 1924. Serial No. 196,855. PUBLISHED JULY 8, 1924.

189,932. BARRETTES. PACIFIC NOVELTY COMPANY, New York, N. Y.
Filed May 31, 1924. Serial No. 197,899. PUBLISHED JULY 22, 1924.

189,933. ARTIFICIAL LUMBER IN THE NATURE OF HEAVY PAPER OR FIBER BOARD. THE UPSON COMPANY, Lockport, N. Y.
Filed December 22, 1920. Serial No. 141,439. PUBLISHED JULY 22, 1924.

189,934. LEATHER—NAMELY, OAK, HEMLOCK, UNION, CHROME, SOLE, HARNESS, BAG, AND UPPER. BEARDMORE & CO., Toronto, Ontario, Canada.
Filed November 2, 1921. Serial No. 154,912. PUBLISHED MARCH 25, 1924.

189,935. COMPOSITION OF MATERIAL FOR USE AS A FLOOR COATING, AS REINFORCING AND STUCCO MATERIALS, AND AS BEDDING FOR LINOLEUM. ALBERT I. RANKIN, doing business as Corkstone Products Corp., Baltimore, Md.
Filed October 7, 1922. Serial No. 170,448. PUBLISHED JULY 22, 1924.

189,936. LARD, PIGS' FEET, BACON, HAM, BOILED HAM, COTTAGE HAM, PICNIC HAM, DEVILED HAM, BACON SQUARES, BRISKET BACON, DRIED BEEF, BAKED LOAF, AND BRICK CHILI. C. E. RICHARD & SONS, Muscatine, Iowa.
Filed December 22, 1922. Serial No. 173,723. PUBLISHED MAY 13, 1924.

189,937. LADIES' AND MISSES' COATS AND DRESSES. BLAUNER BROS. & CO., New York, N. Y.
Filed March 5, 1923. Serial No. 176,944. PUBLISHED JULY 22, 1924.

189,938. BOYS' SUITS. R. H. MACY & CO., INC., New York, N. Y.
Filed March 24, 1923. Serial No. 177,980. PUBLISHED JULY 22, 1924.

189,939. LADIES' WEARING APPAREL—NAMELY, FROCKS, DRESSES, AND SKIRTS. BENJAMIN GOLDWASSER, New York, N. Y.
Filed April 3, 1923. Serial No. 178,501. PUBLISHED NOVEMBER 27, 1923.

189,940. GUM-RUBBER APRONS, RUBBERIZED APRONS, RUBBER HOUSEHOLD APRONS, RUBBER HOUSEHOLD GLOVES, AND BABY PANTS. THE FAIR, Chicago, Ill.
Filed April 12, 1923. Serial No. 179,035. PUBLISHED JULY 22, 1924.

189,941. RUBBER HOUSEHOLD SHEETING. THE FAIR, Chicago, Ill.
Filed April 12, 1923. Serial No. 179,036. PUBLISHED JULY 22, 1924.

189,942. GAS RANGES, GAS STOVES, GAS HEATERS, HOT-AIR FURNACES, COAL STOVES, COAL RANGES, AND CAST-IRON LOW-PRESSURE HOUSE-HEATING BOILERS FOR STEAM OR HOT WATER. ABENDROTH BROTHERS, Port Chester, N. Y.
Filed April 25, 1923. Serial No. 179,637. PUBLISHED JULY 1, 1924.

189,943. CLOVER, GRASS, FIELD, AND FORAGE SEED. WM. G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md.
Filed June 2, 1923. Serial No. 181,498. PUBLISHED JULY 22, 1924.

189,944. LADIES', MEN'S, AND CHILDREN'S HOSIERY, UNDERWEAR, KNITTED AND TEXTILE, AND FABRIC GLOVES. WEIL & JACOBS, INC., New York, N. Y.
Filed August 15, 1923. Serial No. 184,535. PUBLISHED JULY 22, 1924.

189,945. BELTS FOR PERSONAL WEAR, SUSPENDERS, HOSIERY, AND ARM BANDS. GREENEBAUM, WEIL & MICHELS, San Francisco, Calif.
Filed August 27, 1923. Serial No. 185,018. PUBLISHED JULY 22, 1924.

189,946. TITLE FOR ARTICLES FOR NEWSPAPERS PUBLISHED DAILY AND SUNDAY. WILLIAM W. PRICE, Washington, D. C.
Filed September 12, 1923. Serial No. 185,720. PUBLISHED JULY 22, 1924.

189,947. TITLE FOR ARTICLES FOR NEWSPAPERS PUBLISHED DAILY AND SUNDAY. WILLIAM W. PRICE, Washington, D. C.
Filed September 12, 1923. Serial No. 185,721. PUBLISHED JULY 22, 1924.

189,948. COTTON PIECE GOODS. KLAUBER BROS. & CO., New York, N. Y.
Filed September 29, 1923. Serial No. 186,382. PUBLISHED JULY 22, 1924.

189,949. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR AND HOSIERY. PETER V. SHERWOOD, New York, N. Y.
Filed October 3, 1923. Serial No. 186,528. PUBLISHED JULY 22, 1924.

189,950. WEEKLY COMMODITY MARKET PUBLICATION. VICTOR BUYERS' COMMODITY SERVICE, INC., Boston, Mass.
Filed November 13, 1923. Serial No. 188,287. PUBLISHED JULY 22, 1924.

189,951. BAKERS' OVENS OPERATED BY COMBUSTIBLE FUELS. WILLIAMS OVEN MFG. CO., New York, N. Y.
Filed January 20, 1923. Serial No. 174,872. PUBLISHED JULY 22, 1924.

189,952. CORSETS, BRASSIÈRES, AND LADIES' UNDERWEAR OF TEXTILE FABRIC. KOPS BROTHERS, New York, N. Y.
Filed May 15, 1924. Serial No. 197,086. PUBLISHED JULY 22, 1924.

189,953. MEN'S AND BOYS' RIDING BREECHES. LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa.
Filed May 15, 1924. Serial No. 197,090. PUBLISHED JULY 22, 1924.

189,954. WOMEN'S, MISSES', AND GIRLS' RIDING OR SERVICE BREECHES. LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa.
Filed May 15, 1924. Serial No. 197,092. PUBLISHED JULY 22, 1924.

189,955. LADIES', MISSES', AND GIRLS' KNICKERBOCKERS. LIEBERMAN SPECIALTY COMPANY, Philadelphia, Pa.
Filed May 15, 1924. Serial No. 197,093. PUBLISHED JULY 22, 1924.

189,956. KNIT UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. THE MIAMI VALLEY KNITTING MILLS COMPANY, Hamilton, Ohio.
Filed May 15, 1924. Serial No. 197,103. PUBLISHED JULY 22, 1924.

189,957. OUTER CLOTHING FOR MEN AND BOYS—VIZ, RAINCOATS AND OVERCOATS. BENJAMIN FLIGEL, doing business as Good Form Clothing Co., New York, N. Y.
Filed May 16, 1924. Serial No. 197,142. PUBLISHED JULY 22, 1924.

189,958. COATS, VESTS, TROUSERS, AND OVERCOATS FOR JUVENILES. BERNARD LANDAU, doing business as Landau & Steinberg, New York, N. Y.
Filed May 16, 1924. Serial No. 197,158. PUBLISHED JULY 22, 1924.

189,959. READY-MADE MEN'S AND BOYS' CLOTHING, PARTICULARLY SUITS AND OVERCOATS. WELL'S CLOTHING CORPORATION, Kansas City, Mo.
Filed May 16, 1924. Serial No. 197,180. PUBLISHED JULY 22, 1924.

189,960. BICYCLES. AL. RAY CO., Louisville, Ky.
Filed May 19, 1924. Serial No. 197,293. PUBLISHED JULY 22, 1924.

189,961. BICYCLES. AL. RAY CO., Louisville, Ky.
Filed May 19, 1924. Serial No. 197,294. PUBLISHED JULY 22, 1924.

189,962. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,507. PUBLISHED JULY 22, 1924.

189,963. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,514. PUBLISHED JULY 22, 1924.

189,964. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,515. PUBLISHED JULY 22, 1924.

189,965. SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed May 23, 1924. Serial No. 197,516. PUBLISHED JULY 22, 1924.

189,966. MONTHLY PUBLICATIONS. THE COCA-COLA COMPANY, Atlanta, Ga.
Filed May 27, 1924. Serial No. 197,657. PUBLISHED JULY 22, 1924.

189,967. SERIES OF CARTOONS. FONTAINE FOX, New York, N. Y.
Filed May 28, 1924. Serial No. 197,740. PUBLISHED JULY 22, 1924.

189,968. SODA ASH (SODIUM COMPOUND). THE SOLVAY PROCESS COMPANY, Solvay, N. Y.
Filed May 29, 1924. Serial No. 197,840. PUBLISHED JULY 22, 1924.

189,969. BROWN AND BLEACHED SHEETINGS, SHEETS, AND PILLOWCASES. WILLIAM R. MOORE DRY GOODS COMPANY, Memphis, Tenn.
Filed June 2, 1924. Serial No. 197,950. PUBLISHED JULY 22, 1924.

189,970. SATEEN, COTTON, AND SILK MIXED PIECE GOODS AND COTTON PIECE GOODS. H. JACOB & SONS, INC., New York, N. Y.
Filed July 21, 1923. Serial No. 183,526. PUBLISHED OCTOBER 16, 1923.

189,971. FOOD-FLAVORING EXTRACTS. LUYERNE EXTRACT COMPANY, Los Angeles, Calif.
Filed March 17, 1924. Serial No. 193,036. PUBLISHED JULY 22, 1924.

189,972. CORNSTARCH AND BREWERS' GRITS USED AS FOODS AND INGREDIENTS OF FOODS. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed March 22, 1924. Serial No. 194,250. PUBLISHED JULY 22, 1924.

189,973. CERTAIN NAMED PIECE FABRICS. INDEPENDENT INDUSTRIES, INC., Wilmington, Del., and New York, N. Y.
Filed March 27, 1924. Serial No. 194,542. PUBLISHED JULY 22, 1924.

189,974. ICE CREAM. SHUMWAY, HAWK & THOMAS, Tulsa, Okla.
Filed April 1, 1924. Serial No. 194,820. PUBLISHED JULY 22, 1924.

189,975. TITLE FOR NEWSPAPER COLUMN. THE FUN SHOP, INC., New York, N. Y.
Filed April 21, 1924. Serial No. 195,879. PUBLISHED JULY 8, 1924.

189,976. FOOD DRINKS CONTAINING MALT-CHOCOLATE FLAVOR. MALTOP, INC., Buffalo, N. Y.
Filed April 22, 1924. Serial No. 195,974. PUBLISHED JULY 22, 1924.

189,977. SOAP. IRA J. ANDERSON, Truman, Minn.
Filed April 24, 1924. Serial No. 196,045. PUBLISHED JULY 22, 1924.

189,978. EVAPORATED SKIMMED MILK. THE UNIVERSAL MILK COMPANY, Dover, Del.
Filed April 30, 1924. Serial No. 196,257. PUBLISHED JULY 22, 1924.

189,979. CANNED FOOD PRODUCTS, THE PRINCIPAL INGREDIENTS OF WHICH ARE WATER CHESTNUTS, BAMBOO SHOOTS, AND VEGETABLE SPROUTS. LA CHOY FOOD PRODUCTS, Detroit, Mich.
Filed May 1, 1924. Serial No. 196,392. PUBLISHED JULY 22, 1924.

189,980. TOILET SOAPS. SOCIETE COMMANDITE CHOME & CIE., Lille, France.
Filed May 2, 1924. Serial No. 196,482. PUBLISHED JULY 22, 1924.

189,981. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed May 5, 1924. Serial No. 196,583. PUBLISHED JULY 22, 1924.

189,982. PEANUT BUTTER. WILMAR MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 9, 1924. Serial No. 196,845. PUBLISHED JULY 22, 1924.

189,983. FLAVORS FOR FOODS. SOUTHERN BEVERAGE COMPANY, Galveston, Tex.
Filed May 12, 1924. Serial No. 196,939. PUBLISHED JULY 22, 1924.

189,984. FLAVORING EXTRACTS FOR FOODS. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed May 16, 1924. Serial No. 197,143. PUBLISHED JULY 22, 1924.

189,985. IMITATION-LEMON FLAVORING COMPOUND FOR USE IN FOODS AND FOOD PRODUCTS. B. HELLER & COMPANY, Chicago, Ill.
Filed May 24, 1924. Serial No. 197,539. PUBLISHED JULY 22, 1924.

189,986. IMITATION-ORANGE FLAVORING COMPOUND FOR USE IN FOODS AND FOOD PRODUCTS. B. HELLER & COMPANY, Chicago, Ill.
Filed May 24, 1924. Serial No. 197,540. PUBLISHED JULY 22, 1924.

189,987. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,744. PUBLISHED JULY 22, 1924.

189,988. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,750. PUBLISHED JULY 22, 1924.

189,989. ARTIFICIAL-SILK THREAD OR YARN. PERI-LUSTA, LIMITED, Leek, England.
Filed June 3, 1924. Serial No. 198,027. PUBLISHED JULY 22, 1924.

189,990. WASHING COMPOUND. EMIL J. BELANGER, Duluth, Minn.
Filed April 28, 1924. Serial No. 196,228. PUBLISHED JULY 1, 1924.

189,991. CERTAIN ARTICLES MADE OF RUBBER, FABRIC, AND ASBESTOS. NEW YORK AUTO AND RADIO SUPPLY CO., Chicago, Ill.
Filed April 26, 1924. Serial No. 196,185. PUBLISHED JULY 22, 1924.

189,992. MONTHLY PUBLICATION. FAWCETT PUBLICATIONS, Robbinsdale, Minn.
Filed April 26, 1924. Serial No. 196,161. PUBLISHED JULY 8, 1924.

189,993. SOAP. THE REMMERS SOAP COMPANY, Cincinnati, Ohio.
Filed April 24, 1924. Serial No. 196,073. PUBLISHED JULY 8, 1924.

189,994. MEN'S AND BOYS' OVERCOATS, COATS, VESTS, TROUSERS, AND RAINCOATS. A. I. NAMM & SON, Brooklyn, N. Y.
Filed April 24, 1924. Serial No. 196,069. PUBLISHED JULY 22, 1924.

189,995. UNDERGARMENT FOR WOMEN TO BE WORN AS A GIRDLE OR FIGURE-RETAINING GARMENT. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed April 24, 1924. Serial No. 196,065. PUBLISHED JULY 22, 1924.

189,996. ARTIFICIAL STONE. ARNOLD STONE, BRICK & TILE CO., INC., Jacksonville, Fla.
Filed April 23, 1924. Serial No. 195,998. PUBLISHED JULY 22, 1924.

189,997. NEWSPAPER SUPPLEMENTS. ALCO-GRAVURE INCORPORATED, New York, N. Y.
Filed April 22, 1924. Serial No. 195,935. PUBLISHED JULY 8, 1924.

189,998. PILOT-LIGHT CONTROLS AND IGNITING DEVICES FOR BURNERS. TIME-O-STAT CORPORATION, Milwaukee, Wis.
Filed April 21, 1924. Serial No. 195,924. PUBLISHED JULY 22, 1924.

189,999. GAS STOVES AND RANGES. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed April 21, 1924. Serial No. 195,922. PUBLISHED JULY 8, 1924.

190,000. PERIODICAL PUBLICATIONS. RAY ANDREW CARLSON, Chicago, Ill.
Filed April 21, 1924. Serial No. 195,864. PUBLISHED JULY 22, 1924.

190,001. WOOD-FIBER WALL BOARD. PLASTERGON WALL BOARD CO., Buffalo, N. Y.
Filed April 17, 1924. Serial No. 195,713. PUBLISHED JULY 22, 1924.

190,002. WOOD-FIBER WALL BOARD. PLASTERGON WALL BOARD CO., Buffalo, N. Y.
Filed April 17, 1924. Serial No. 195,712. PUBLISHED JULY 22, 1924.

190,003. WOOD FIBER WALL BOARD. PLASTERGON WALL BOARD CO., Buffalo, N. Y.
Filed April 17, 1924. Serial No. 195,711. PUBLISHED JULY 22, 1924.

190,004. WATERPROOF SHEETING. TERRY TEXTILE CORPORATION, New York, N. Y.
Filed April 16, 1924. Serial No. 195,663. PUBLISHED JULY 1, 1924.

190,005. LADIES' VESTS, BLOOMERS, STEP-INS, CHEMISES, PETTICOATS, PRINCESS SLIPS, AND KNITTED SILK SCARFS MADE OF FIBER SILK, OR OF THREAD SILK OR A COMBINATION OF FIBER SILK AND THREAD SILK. WYMAN, PARTRIDGE & CO., Minneapolis, Minn.
Filed April 11, 1924, Serial No. 195,429. PUBLISHED JULY 22, 1924.

190,006. WORK COATS, PANTS, OVERALLS, ONE-PIECE SUITS, WORK AND NEGLIGEE SHIRTS, AND CHILDREN'S OVERALLS, JUMPERS, PANTS, WORK AND NEGLIGEE SHIRTS, TEXTILE UNDERWEAR FOR MEN AND WOMEN, AND ONE, TWO, AND THREE PIECE SUITS OF WASH FABRICS FOR CHILDREN. IRWIN-PHILLIPS CO., Keokuk, Iowa.
Filed April 10, 1924. Serial No. 195,292. PUBLISHED JULY 22, 1924.

190,007. MAGAZINE OR PERIODICAL ISSUED MONTHLY. BANKERS' ECONOMIC SERVICE, INC., New York, N. Y.
Filed April 10, 1924. Serial No. 195,257. PUBLISHED JULY 22, 1924.

190,008. FIBERS FOR BROOMS AND BRUSHES. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,219. PUBLISHED JULY 1, 1924.

190,009. FIBERS FOR BROOMS AND BRUSHES. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,217. PUBLISHED JULY 1, 1924.

190,010. AUTOMATIC GAS-FIRED BOILERS. GAS UTILITIES CORPORATION, Philadelphia, Pa.
Filed December 21, 1923. Serial No. 189,972. PUBLISHED JULY 22, 1924.

190,011. COTTON PIECE GOODS. OTIS COMPANY, Ware and Three Rivers, Mass.
Filed January 2, 1924. Serial No. 190,352. PUBLISHED APRIL 15, 1924.

190,012. MORNING EDITION OF A NEWSPAPER. THE JOURNAL COMPANY, Milwaukee, Wis.
Filed January 14, 1924. Serial No. 190,789. PUBLISHED JULY 22, 1924.

190,013. GLOVES MADE OF LEATHER, RUBBER, OR FABRIC; HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN; CORSETS, BRASSIÈRES, SLIPPERS, AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. A. KOMMEL & SONS, New York, N. Y.
Filed January 21, 1924. Serial No. 191,075. PUBLISHED JULY 22, 1924.

190,014. PERIODICAL PUBLISHED MONTHLY. CHECKER CAB MANUFACTURING CORPORATION, Kalamazoo, Mich.
Filed January 24, 1924. Serial No. 191,223. PUBLISHED JULY 22, 1924.

190,015. HEADING FOR NEWSPAPER ARTICLES. HOWARD MARKEL, New York, N. Y.
Filed January 29, 1924. Serial No. 191,441. PUBLISHED JULY 22, 1924.

190,016. HOSIERY. CHIPMAN KNITTING MILLS, Easton, Pa.
Filed January 31, 1924. Serial No. 191,530. PUBLISHED JULY 22, 1924.

190,017. CLEANING FLUID FOR CLOTHES, FABRICS, AND LEATHER; SHOE POLISHES, SHOE BLACKINGS, SHOE CLEANSERS, LEATHER DRESSINGS, LEATHER PRESERVATIVES, AND METAL POLISH. GRIFFIN MANUFACTURING CO. INC., New York, N. Y.
Filed February 16, 1924. Serial No. 192,378. PUBLISHED JULY 1, 1924.

190,018. GAS HEATERS. THE OHIO STATE STOVE & MFG. CO., Columbus, Ohio.
Filed February 9, 1924. Serial No. 192,467. PUBLISHED JULY 22, 1924.

190,019. COATS, VESTS, TROUSERS, OVERCOATS; SHIRTS, DRESS AND NEGLIGEE; SWEATERS, PYJAMAS; UNDERSHIRTS, KNITTED AND TEXTILE; DRAWERS, KNITTED AND TEXTILE; HATS, AND CAPS, ALL FOR MEN AND BOYS. HALBITER'S INC., Los Angeles, Calif.
Filed March 3, 1924. Serial No. 193,169. PUBLISHED JULY 22, 1924.

190,020. HYDROCARBON DETERGENT. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed March 7, 1924. Serial No. 193,423. PUBLISHED JULY 1, 1924.

190,021. SHOE DRESSING AND AUTO TOP AND CARRIAGE DRESSING. HERBERT NEVINS, doing business as H. Nevins Co., Peoria, Ill.
Filed March 17, 1924. Serial No. 193,946. PUBLISHED JULY 1, 1924.

190,022. UNDERWEAR OF KNITTED OR TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. ROBERT L. MARGOLYES, New York, N. Y.
Filed March 18, 1924. Serial No. 194,013. PUBLISHED JULY 22, 1924.

190,023. HAND CLEANER IN PASTE FORM. COLDON J. DABCÉ, Jeanerette, La.
Filed March 21, 1924. Serial No. 194,165. PUBLISHED JULY 8, 1924.

190,024. HOSIERY AND MEN'S WORK, NEGLIGEE, AND DRESS SHIRTS. SIMON E. DAVIS & CO., INC., San Francisco, Calif.
Filed March 24, 1924. Serial No. 194,336. PUBLISHED JULY 22, 1924.

190,025. CATTLE, SWINE, HORSE, DAIRY, AND POULTRY FEED. PAUL S. CASEY, doing business as Yeast Mineral Supply Co., Peoria, Ill.
Filed March 27, 1924. Serial No. 194,526. PUBLISHED JULY 8, 1924.

190,026. SILK AND COTTON PIECE GOODS AND COMBINATIONS THEREOF. FRIED, MENDELSON & COMPANY, New York, N. Y.
Filed March 27, 1924. Serial No. 194,533. PUBLISHED JULY 22, 1924.

190,027. OVERCOATS. THE KLEINMARK COMPANY, Rochester, N. Y.
Filed March 27, 1924. Serial No. 194,544. PUBLISHED JULY 22, 1924.

190,028. AUTOMOBILES, MOTOR VEHICLES AND PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed April 5, 1924. Serial No. 195,057. PUBLISHED JULY 22, 1924.

190,029. FIBERS FOR BROOMS AND BRUSHES. FREDERICK H. CONE, New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England, a Corporation of Great Britain.
Filed April 9, 1924. Serial No. 195,216. PUBLISHED JULY 1, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

190,030. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANDRÉ CITROËN, Paris, France. Filed July 10, 1923. Serial No. 183,020.

CITROËN

Particular description of goods.—Automobile Vehicles and Lorries.
Claims use since Feb. 1, 1919.

190,031. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,588.

Hibbard

Particular description of goods.—Wicks, Gasoline Torches, Oil Heaters, Kitchen Heaters, Oil Water Heaters, Cabinet Gas Ranges, Single-Oven Gas Ranges, Cast Ranges, Combination Cast Ranges, Two-in-One Combination Ranges, Wick and Oil Cookstoves.
Claims use since Jan. 15, 1923.

190,032. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STERLING TIRE CORPORATION, Rutherford, N. J. Filed Dec. 13, 1923. Serial No. 189,645.

Griptite

Particular description of goods.—Pneumatic Tires.
Claims use since Aug. 20, 1923.

190,033. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 5, 1924. Serial No. 198,120.

SERVICE

Particular description of goods.—Tents and Tarpaulins.
Claims use since Feb. 15, 1923.

190,034. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RHODE ISLAND WELDING CO., Providence, R. I. Filed June 12, 1924. Serial No. 198,477.

SAVE THE PIECES
WE WELD 'EM

Particular description of goods.—Welding Torches, Cutting Torches, Gas Valves or Regulators for Controlling the Flow of Gas to the Torches.
Claims use since 1913.

190,035. (CLASS 12. CONSTRUCTION MATERIALS.) HENRY MILES SON'S, INC., Brooklyn, N. Y. Filed June 16, 1924. Serial No. 198,661.

MILES FOR TILES

Particular description of goods.—Tiles for Decorative and Fireproofing Purposes.
Claims use since May, 1919.

190,036. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GENEVA HEATER COMPANY, Geneva, Ill. Filed July 12, 1924. Serial No. 190,937.

Geneva

Particular description of goods.—Water Heaters.
Claims use since Jan. 15, 1923.

190,037. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,256.

California Special

Particular description of goods.—Woolen Cloths in the Piece Intended Mostly for Suitings, Etc.
Claims use since Sept. 1, 1919.

190,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923. Serial No. 181,361.

Sally Brown

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

190,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923. Serial No. 181,362.

Tender Crust

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

190,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923. Serial No. 181,365.

Betty Brown

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

190,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923. Serial No. 181,368.

EXTRA FINE

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

190,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923. Serial No. 181,370.

Superfine

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

190,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEY FLOUR MILLS, Macon, Ga. Filed May 31, 1923. Serial No. 181,375.

Birdsey's Special

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since May 4, 1923.

190,044. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co. INC., Troy, N. Y. Filed Nov. 2, 1923. Serial No. 187,854.

TIPPERARY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

190,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. GOOD HEALTH LABORATORIES, Cleveland, Ohio. Filed Nov. 24, 1923. Serial No. 188,838.

HUNGARIAN BLOOD TEA

Particular description of goods.—Medicine to be Used as a Blood Purifier, Appetizer; Kidney, Liver, and Stomach Regulator; and for the Relief of Constipation, Nervous and Sick Headache, Indigestion, Biliousness, Dyspepsia, and Rheumatism.
Claims use since Jan. 1, 1922.

190,046. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHRISTIAN VICK, doing business as Excelsior Varnish Works, Cleveland, Ohio. Filed Feb. 2, 1924. Serial No. 191,679.

EZYFLO

Particular description of goods.—Varnishes, Stains, Fillers, Paste, and Ready-Mixed Paints.
Claims use since May, 1905.

190,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MILLER, doing business as The Atlas Fluid Company, Cincinnati, Ohio. Filed Apr. 4, 1924. Serial No. 194,971.

CONCENTRATED ATLAS ATLAS Arterial Wash

Particular description of goods.—Arterial Wash.
Claims use since Jan. 1, 1923.

190,048. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed May 28, 1924. Serial No. 197,696.

LORAIN

Particular description of goods.—Wicks.
Claims use since Dec. 13, 1922.

190,049. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed July 9, 1924. Serial No. 199,785.

$1000.00 GUARANTEED FURNITURE POLISH



Particular description of goods.—Furniture Polish.
Claims use since April, 1923.

190,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. AUERBACH & SONS, New York, N. Y. Filed July 16, 1924. Serial No. 200,086.

LLOYD'S

Particular description of goods.—Candy — Namely, Chocolates.
Claims use since January, 1910.

190,051. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ESSEX RUBBER COMPANY, INC., Trenton, N. J. Filed July 16, 1924. Serial No. 200,099.

ESSEX

Particular description of goods.—Hoof Pads.
Claims use since 1915.

TRADE-MARK REGISTRATIONS RENEWED

25,108. CERTAIN NAMED MEDICINES AND FLAVORING EXTRACTS. Registered August 7, 1894. ALFRED B. SEELYE, Abilene, Kans. Renewed August 7, 1924.

25,353. SHAVING SOAP. Registered October 16, 1894. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Renewed October 16, 1924.

25,718. CRACKERS. Registered December 25, 1894. WILLIAM H. DANIELS. Renewed December 25, 1924, to George G. Daniels, Ogdensburg, N. Y., successor.

25,747. RAILROAD BRASSES AND JOURNAL BOXES AND METALS THEREFOR. Registered December 25, 1894. MAGNOLIA METAL COMPANY, New York, N. Y. Renewed December 25, 1924.

25,949. A SOLDERING SALT. Registered January 29, 1895. ALEXANDER R. BENSON. Renewed January 29, 1925, to Alexander R. Benson Company, Inc., Hudson, N. Y., successors.

25,974. STEEL ABRASIVE MATERIAL, ROUGE, AND PUTTY POWDER. Registered February 5, 1895. PITTSBURGH CRUSHED STEEL COMPANY LIMITED. Renewed February 5, 1925, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania, successor.

25,978. A PREPARATION FOR CLEANING AND POLISHING WOOD. Registered February 5, 1925. ALFRED SPITZ, New York, N. Y. Renewed February 5, 1925.

25,984. WHEAT FLOUR. Registered February 5, 1895. DULUTH IMPERIAL MILL COMPANY. Renewed February 5, 1925, to Duluth Superior Milling Company, Duluth, Minn., a Corporation of Minnesota, assignee.

25,989. MUSTARD AND MUSTARD PRODUCTS. Registered February 5, 1895. J. & J. COLMAN. Renewed February 5, 1925, to J. & J. Colman, Limited, London, England, successor.

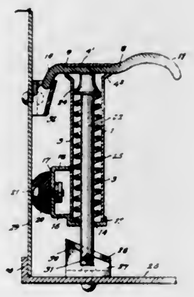
26,108. QUINCE TREES. Registered February 26, 1895. STARK BROS. NURSERIES & ORCHARDS CO., Louisiana, Mo. Renewed February 26, 1925.

26,109. PLUM TREES. Registered February 26, 1895. STARK BROS. NURSERIES & ORCHARDS CO., Louisiana, Mo. Renewed February 26, 1925.

REISSUES

SEPTEMBER 30, 1924.

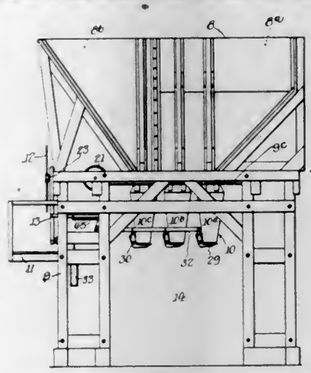
15,920. AUTOMOBILE HOOD CLAMP. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 26, 1924. Serial No. 716,068. Original No. 1,462,493, dated July 24, 1923, Serial No. 549,463, filed Apr. 4, 1922. 15 Claims. (Cl. 292—114.)



1. In an automobile hood clamp, the combination of a barrel having a transverse top portion integral therewith, having upper and lower walls with a channel between the same, and a transverse metal strap extending through said channel and secured thereon.

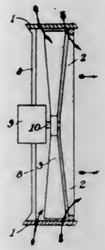
15,921. APPARATUS FOR MEASURING MATERIALS IN CONCRETE CONSTRUCTION. HERMAN D. PALMER and JOHN W. BRHEL, Hartford, Wis., assignors to The Kissel Motor Car Company, Hartford, Wis., a Corporation of Wisconsin. Filed May 24, 1924. Serial No. 715,747. Original No. 1,483,643, dated Feb. 12, 1924, Serial No. 519,896, filed Dec. 5, 1921. 24 Claims. (Cl. 214—1.)

1. An apparatus for measuring and discharging materials in concrete construction having, in combination with a supporting structure, a bin mounted on said structure, a plurality of hoppers carried by said structure and having their upper ends in communication with the bin, valve means between the bin and hoppers adapted to control the flow of materials from the bin into the hoppers,



and means adapted to release the materials from the respective hoppers simultaneously into a vehicle body located therebeneath.

15,922. DEVICE FOR UTILIZING THE REACTIVE FORCE SET UP BY ROTATING A SCREW PROPELLER OR SCREW FAN OR THE LIKE IN A FLUID. GEORGE ALBERT CHADDOCK, Liverpool, England. Filed Aug. 14, 1924. Serial No. 732,349. Original No. 1,491,982, dated Apr. 29, 1924, Serial No. 572,753, filed July 3, 1922. 9 Claims. (Cl. 244—18.)

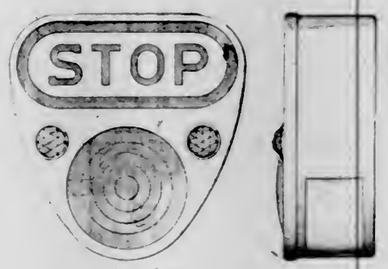


1. A series of fixed ring deflectors peripherally surrounding a power driven propeller or fan said deflectors inclined at an angle to deflect rearwardly the fluid entering from the outer circumference of the rings.

DESIGNS

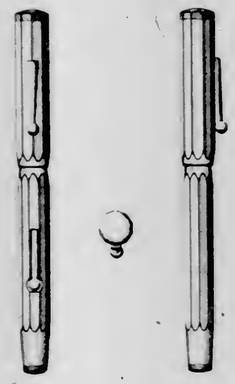
SEPTEMBER 30, 1924.

65,682. VEHICLE SIGNAL LAMP. WILLIAM A. BELL, Kenosha, Wis., assignor to C. M. Hall Lamp Company, Kenosha, Wis. Filed Apr. 24, 1923. Serial No. 5,932. Term of patent 14 years.



The ornamental design for a vehicle signal lamp, substantially as shown and described.

65,683. FOUNTAIN PEN. JOHN P. BENJAMIN, East Providence, R. I. Filed Feb. 9, 1924. Serial No. 8,585. Term of patent 14 years.



The ornamental design for a fountain pen, as shown.

65,684. WEDDING RING. ALBERT J. FRIEDMAN, Chicago, Ill. Filed June 3, 1924. Serial No. 9,783. Term of patent 14 years.



The ornamental design for a wedding ring, as shown.

65,685. LAMP SHADE OR SIMILAR ARTICLE. WILLIAM H. FULPER, Flemington, N. J. Filed May 5, 1922. Serial No. 2,104. Term of patent 3½ years.



The ornamental design for a lamp shade or similar article, as shown.

65,686. LAMP SHADE OR SIMILAR ARTICLE. WILLIAM H. FULPER, Flemington, N. J. Filed May 5, 1922. Serial No. 2,105. Term of patent 3½ years.



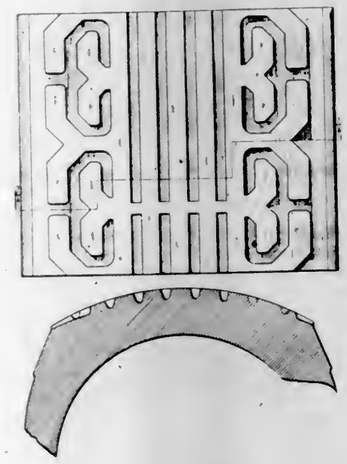
The ornamental design for a lamp shade or similar article, as shown.

65,687. PIN OR SIMILAR ARTICLE. FREDERICK W. GORDON, Belgrade Lakes, Me. Filed Mar. 13, 1922. Serial No. 1,143. Term of patent 3½ years.



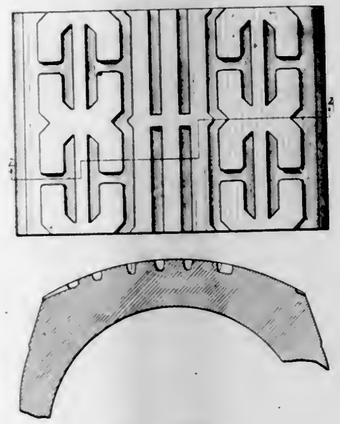
The ornamental design for a pin or similar article substantially as shown.

65,688. RESILIENT TIRE. ROBERT IREDELL, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 9,934. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

65,689. RESILIENT TIRE. ROBERT IREDELL, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 9,935. Term of patent 14 years.



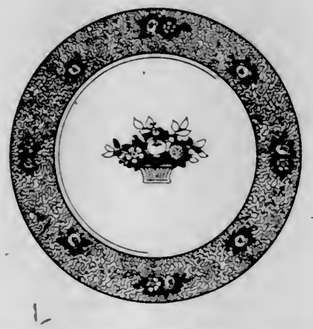
The ornamental design for a resilient tire, as shown.

65,690. **JEWELRY BOX.** MAURICE J. KARPELES, Providence, R. I. Filed June 27, 1924. Serial No. 9,990. Term of patent 14 years.



The ornamental design for a jewelry box, as shown.

65,691. **PLATE OR SIMILAR ARTICLE.** HENRI LEYMARIE, Limoges, France, assignor to Herman C. Kupper, New York, N. Y. Filed Mar. 18, 1922. Serial No. 1,246. Term of patent 7 years.



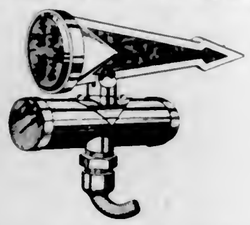
The ornamental design for a plate or similar article, as shown.

65,692. **TOY FIRE-ALARM BOX.** FREDERICK M. KNOLL, Brooklyn, N. Y., assignor to The Viking Tool & Machine Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 9, 1924. Serial No. 9,526. Term of patent 7 years.



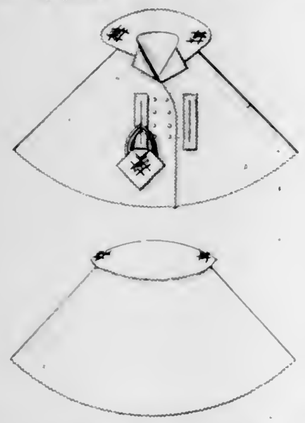
The ornamental design for a toy fire alarm box, as shown.

65,693. **CASING FOR A TRAFFIC SIGNAL.** CHARLES RIDLEY LUMLEY, Newcastle, Wash. Filed June 23, 1924. Serial No. 9,953. Term of patent 14 years.



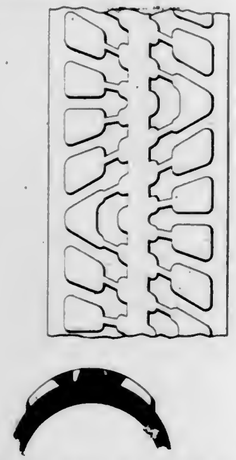
The ornamental design for a casing for a traffic signal, as shown.

65,694. **CHILD'S CAPE.** LULU B. MCNAIR, Oakland, Calif. Filed Aug. 13, 1924. Serial No. 10,445. Term of patent 3½ years.



The ornamental design for a child's cape, as shown.

65,695. **TIRE.** CHARLES EDWARD MURRAY, Jr., Trenton, N. J. Filed Sept. 18, 1922. Serial No. 3,757. Term of patent 14 years.



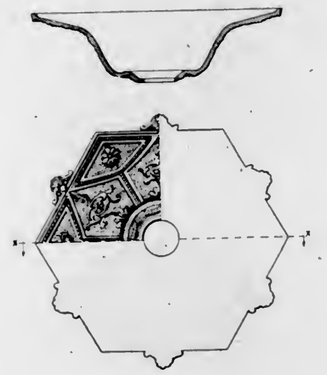
The ornamental design for a tire as shown.

65,696. **COMBINED BASE AND BODY FOR CANDLESTICKS OR ANALOGOUS ARTICLES.** HARRY NEGBAUR, New York, N. Y., assignor to E & J Bass, Incorporated, a Corporation of New York. Filed Oct. 23, 1923. Serial No. 7,576. Term of patent 3½ years.



The ornamental design for a combined base and body for candlesticks or analogous articles substantially as shown.

65,697. **CANOPY FOR LIGHTING FIXTURES.** BARNET NEWLAND, New York, N. Y. Filed Apr. 5, 1924. Serial No. 9,171. Term of patent 3½ years.



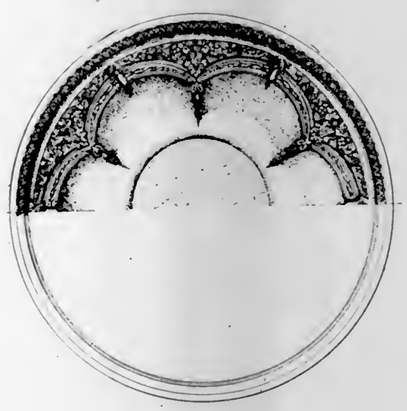
The ornamental design for a canopy for lighting fixtures, as shown.

65,698. **PLATE OR ANALOGOUS ARTICLE.** HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1924. Serial No. 9,026. Term of patent 3½ years.



The ornamental design for a plate or analogous article, substantially as shown and described.

65,699. **PLATE OR ANALOGOUS ARTICLE.** HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1924. Serial 9,027. Term of patent 7 years.



The ornamental design for a plate or analogous article, substantially as shown and described.

65,700. WALL LIGHTING FIXTURE. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed July 25, 1924. Serial No. 10,256. Term of patent 3½ years.



The ornamental design for a wall lighting fixture, as shown.

65,701. LIGHTING-FIXTURE BAND. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed July 25, 1924. Serial No. 10,257. Term of patent 3½ years.





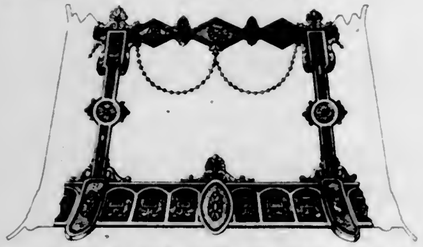
The ornamental design for a lighting fixture band, as shown.

65,702. WALL BRACKET FOR LIGHTING FIXTURE. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed July 25, 1924. Serial No. 10,258. Term of patent 3½ years.



The ornamental design for a wall bracket for lighting fixture, as shown.

65,703. LAMP SHADE. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed July 25, 1924. Serial No. 10,259. Term of patent 3½ years.



The ornamental design for a lamp shade, as shown.

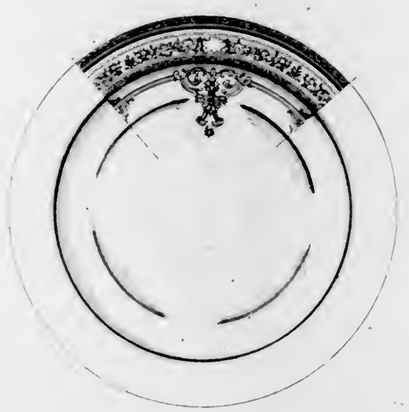
65,704. CEILING LIGHTING FIXTURE. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed July 25, 1924. Serial No. 10,260. Term of patent 3½ years.





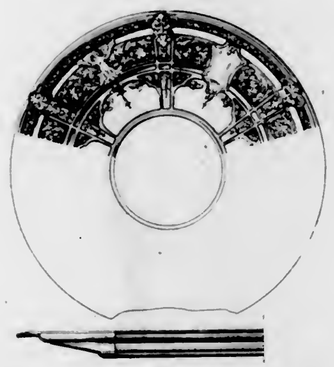
The ornamental design for a ceiling lighting fixture, as shown.

65,705. PLATE OR ANALOGOUS ARTICLE. GEORGE F. PARKER and HAROLD E. NOCK, Newburyport, Mass., assignors to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Mar. 24, 1924. Serial No. 9,047. Term of patent 3½ years.



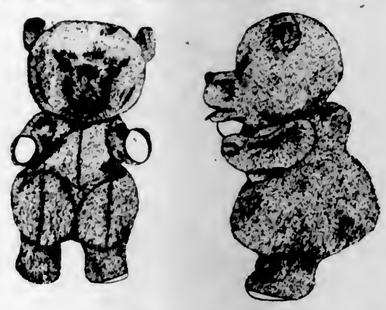
The ornamental design for a plate or analogous article, substantially as shown and described.

65,706. PLATE OR SIMILAR ARTICLE. JOHN H. RING, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I. Filed Apr. 8, 1924. Serial No. 9,199. Term of patent 7 years.



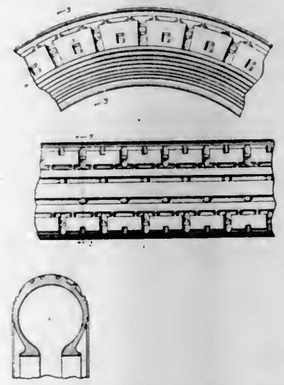
The ornamental design for a plate or similar article as shown.

65,707. TOY ANIMAL. HARRY GEORGE SPOONER STONE and LEON REES, London, England. Filed Apr. 24, 1922. Serial No. 1,929. Term of patent 7 years.



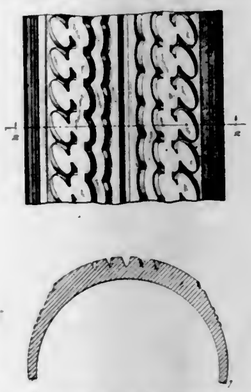
The ornamental design for a toy animal as shown.

65,708. TIRE. HERBERT H. SWAN, Grand Rapids, Mich., assignor to Corduroy Tire Company, Grand Rapids, Mich., a Corporation of Delaware. Filed May 12, 1924. Serial No. 9,555. Term of patent 14 years.



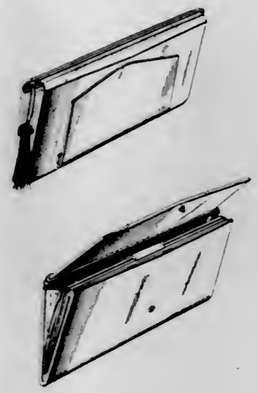
The ornamental design for a tire substantially as shown.

65,709. PNEUMATIC TIRE. JAMES D. TEW, Akron, Ohio, assignor to B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 24, 1924. Serial No. 9,958. Term of patent 14 years.



The ornamental design for a pneumatic tire as shown.

65,710. HAND BAG. MORRIS WHITE, New York, N. Y. Filed May 1, 1924. Serial No. 9,458. Term of patent 14 years.



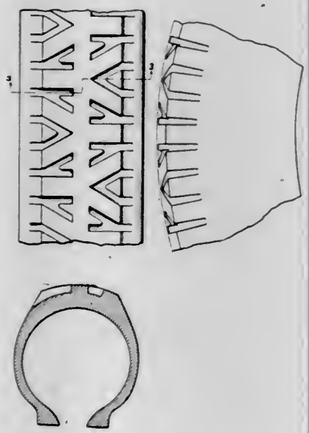
The ornamental design for a hand bag, as shown.

65,711. PHONOGRAPH CABINET. FRED AUGUST WOLF, Quincy, Ill. Filed May 31, 1923. Serial No. 6,357. Term of patent 3½ years.



The ornamental design for a phonograph cabinet, as shown.

65,712. TIRE TREAD. WILLIAM S. WOLFE, Akron, Ohio. Filed June 14, 1923. Serial No. 6,490. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

65,713. LIGHTING-FIXTURE BODY. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,640. Term of patent 3½ years.



The ornamental design for a lighting fixture body, as shown.

65,714. BACKPLATE FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,643. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixtures or similar articles, as shown.

65,715. BACKPLATE FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 9,645. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixture or similar articles, as shown.

65,716. SHOE. MICHAEL ZINSTEIN, New York, N. Y., assignor to The Sovereign Silk Co., New York, N. Y. Filed July 21, 1923. Serial No. 6,819. Term of patent 3½ years.

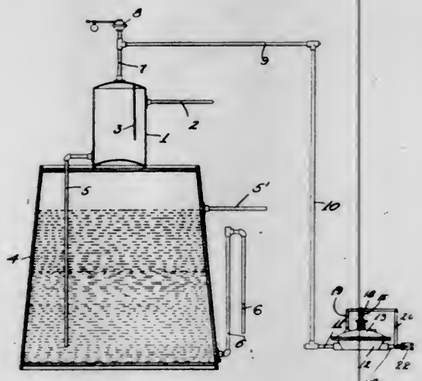


The ornamental design for a shoe substantially as shown.

PATENTS

GRANTED SEPTEMBER 30, 1924.

1,509,820. APPARATUS FOR SEPARATING THE GAS, OIL, AND WATER FROM OIL WELLS. WILLIAM E. ADAMS and CHARLES B. HILL, Tulsa, Okla. Filed June 3, 1922. Serial No. 565,620. 2 Claims. (Cl. 183—27.)



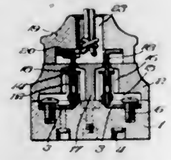
1. In an apparatus of the class described, a separating vessel having an inlet adapted for receiving the product from oil wells, a gas discharge pipe connected to the top of said separating vessel, and an automatic pressure regulating valve in said gas discharge pipe for relieving either excess or sub-normal pressure therein.

1,509,821. GUIDE FOR POWER HAMMERS. TENGEL ANDERSEN, Port Richmond, N. Y. Filed Mar. 6, 1922. Serial No. 541,462. 7 Claims. (Cl. 61—73.)



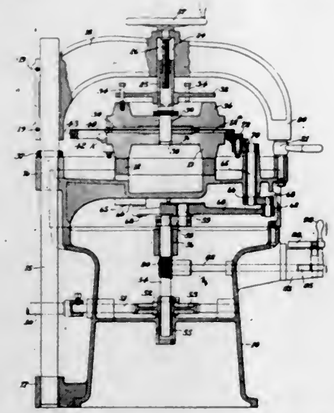
1. A guide for power hammers comprising a plurality of concentrically positioned and adjustable members adapted to be held in different relative positions to vary the length of the guide.

1,509,822. SEPARABLE CONTACT. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 26, 1919. Serial No. 292,885. 2 Claims. (Cl. 173—338.)



1. An electrical connector device, comprising a receptacle portion for cooperation with a plug portion, said portions being separable by an angular break, said plug portion comprising a pair of contact blades, said receptacle portion comprising a pair of contact devices for engaging said contact blades respectively, and a cover having restricted openings through which said blades extend for engagement with said contact devices, the walls of said openings being thin to permit angular separations of the plug-in device, each of said contact devices comprising a pair of spring fingers embracing a contact blade and engaging its sides, and a pair of spring contact fingers embracing said contact blade and engaging its edges, the overlapping engagement between said spring contact fingers and said blades being relatively short, to permit angular separation of the plug-in device.

1,509,823. LAPPING MACHINE. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 13, 1921. Serial No. 460,903. 13 Claims. (Cl. 51—11.)



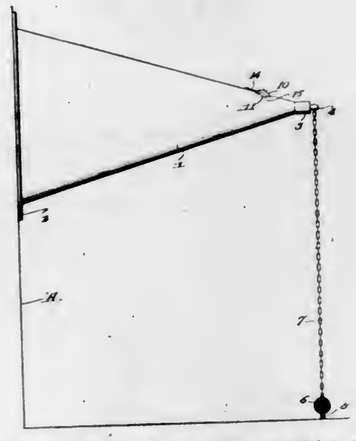
1. A lapping machine comprising in combination, a base, a lower lap mounted thereon, an upper lap, means to non-rotatably support said laps in operative position relatively to each other, a spider adapted to hold a plurality of articles disposed between said laps, and positive means to simultaneously rapidly reciprocate and slowly rotate said spider between said laps whereby lapping movements between the articles and laps are accomplished.

1,509,824. METHOD OF PREPARING SUBSTANCES IN FINELY-DIVIDED FORM. HAROLD S. BOOTH and GEORGE G. MARSHALL, Cleveland, Ohio. Filed June 28, 1922. Serial No. 571,565. 5 Claims. (Cl. 167—9.)

1. The method of preparing a substance in finely divided form, which consists in putting the substance in such form that the molecules thereof are in dispersed condition, and then injecting the substance in its dispersed condition into a suitable material which fixes and retains the said substance in its dispersed condition.

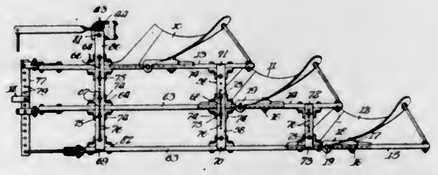
5. The method of preparing a substance in finely divided form which consists in volatilizing said substance and in placing the said substance while volatilized under pressure through a suitable orifice and into a liquefied material which condenses the said volatilized substance but retains it in its dispersed condition.

1,509,825. REGISTER FOR GOLF PRACTICE. FRED A. CATON, La Grange, Ill. Filed Oct. 2, 1922, Serial No. 591,952. Renewed Feb. 6, 1924. 5 Claims. (Cl. 265—22.)



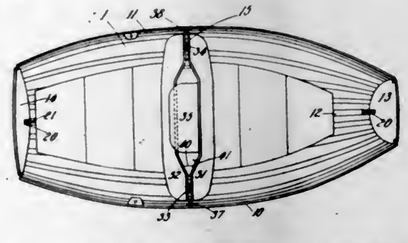
1. A device of the class described comprising a casing, a shaft rotatably mounted therein, a ball, a flexible member connecting the ball with the shaft, an indicator wheel geared to the shaft, a pointer associated with the wheel and carried by the casing and means for disengaging the wheel from the shaft.

1,509,826. AGRICULTURAL-IMPLEMENT FRAME. ROBERT C. CAUGHEY, Dixon, Ill., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 9, 1922. Serial No. 542,201. 9 Claims. (Cl. 97—238.)



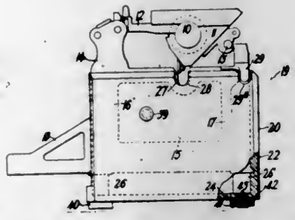
1. In an agricultural implement frame, the combination of a pair of transversely extending frame members, a pair of laterally spaced junction blocks clamped between and adjustable along said members, and an earth-turning-body supporting beam clamped between the blocks.

1,509,827. COLLAPSIBLE BOAT. FRANCIS JAMES COLLET, Swanick, near Southampton, England. Filed Feb. 2, 1924. Serial No. 690,113. 5 Claims. (Cl. 9—2.)



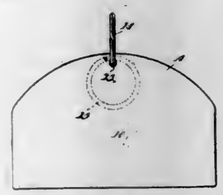
1. A collapsible boat comprising in combination a flexible skin, longitudinal stiffeners secured to said skin, end transoms, means for attaching said transoms to certain of said stiffeners whereby the skin is distended, and means for enfolding the ends of said flexible skin about said transoms.

1,509,828. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 2, 1922. Serial No. 604,468. 4 Claims. (Cl. 197—186.)



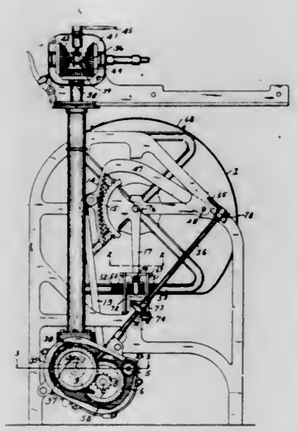
1. The combination with a typewriting machine comprising a framework, of a sound-deadening unitary sheathing formed with side walls, back wall and floor and boxing in the sides, rear and bottom of the typewriter framework and having a thick lining of sound-deadening felt or material, the framework having cushioned feet supported upon the floor of the sheathing, said sheathing firmly attached to the framework and constituting a permanent member of the typewriting machine and fitted closely thereagainst and clasping the sides of the same and dampening the sound vibrations of the framework.

1,509,829. POUCH. MAURICE F. DOTY, Chicago, Ill. Filed July 28, 1922. Serial No. 578,220. 1 Claim. (Cl. 150—40.)



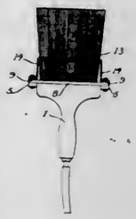
In a key pouch, an inverted receptacle open at its lower end, a tongue secured between the sides of the receptacle and having a portion projecting beyond the upper end for supporting the receptacle, and a portion of the said tongue being arranged within the receptacle and perforated to receive and support a key ring, for the purpose specified.

1,509,830. DRIVING AND CONTROLLING MECHANISM FOR WASHING MACHINES. OSCAR F. FISCHEDICK and ALVIN W. KRAHN, Milwaukee, Wis., assignors, by mesne assignments, to Sunbeam Electric Manufacturing Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 26, 1919. Serial No. 347,556. 10 Claims. (Cl. 14—50.)



1. In a washing machine, the combination with an oscillatory drum, of a rock shaft associated with the drum, an arm pivoted upon said shaft, means for resiliently connecting said arm to the drum, and a latch engageable with said arm when the drum is in its upright position.

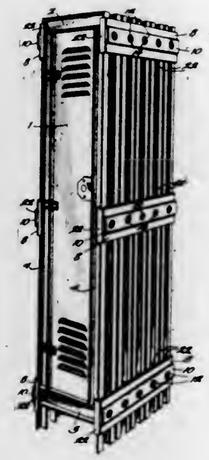
1,509,831. FOUNTAIN PAINTBRUSH. STANLEY GASPARAITIS, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,289. 3 Claims. (Cl. 15—128.)



1. A paint brush comprising a hollow handle, bristles supported by said handle, a pervious cloth funnel arranged within the bristles for controlling the flow of paint to the bristles from said handle and a rigid frame secured to said handle and surrounding said bristles at a distance from the point of attachment of said bristles adapted to retain the latter in contact with said funnel.

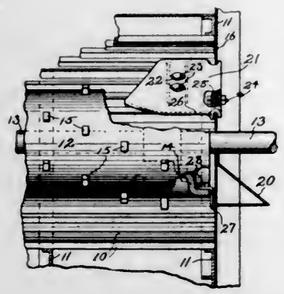
1,509,832. CRATE. CLARENCE E. GERBERICH, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed June 18, 1923. Serial No. 645,976. 5 Claims. (Cl. 217—52.)

1. A crate comprising backs designed to be arranged parallel and opposite to each other, stalls on the inner faces of said backs, said stalls consisting of channel shaped elements having their flanges facing inward and the central portion secured to said backs, some of said



stalls being spaced from each other, and tie rods extending from one back to the other at the spaces between stalls.

1,509,833. CORN SHELLER. ALBERT E. GILMAN, Ottawa, Ill., assignor to King & Hamilton Company, Ottawa, Ill., a Corporation of Illinois. Filed Jan. 19, 1924. Serial No. 687,194. 3 Claims. (Cl. 130—6.)

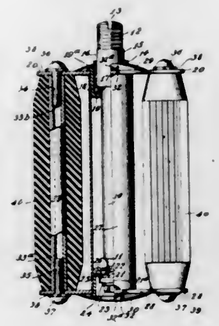


1. In a corn sheller, the combination with a shelling cylinder, of a shelling concave in which the cylinder is mounted to rotate, said concave having an outlet opening in the discharge end thereof above the axis of the cylinder, a cob-deflecting plate projecting into the concave from one end of the outlet opening, and a cleaning tooth carried by the end of the cylinder and co-operating with said plate adjacent the outlet.

1,509,834. BICYCLE PEDAL. JAMES H. GRAHAM, Torrington, Conn., assignor to J. H. Graham Company, Torrington, Conn., a Corporation of Connecticut. Filed May 24, 1922. Serial No. 563,401. 11 Claims. (Cl. 208—70.)

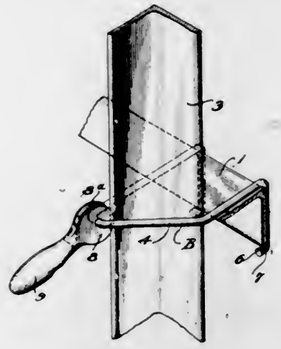
3. In a bicycle pedal, a pin adapted to be secured to a bicycle crank, a pair of brace members rotatably mounted on said pin, a pair of tread-carrying rods supported on said brace members and laterally slidable therebetween,

detachable tubular treads surrounding said tread-carrying rods, and means adapted to be manipulated from outside



said brace members for detachably securing said tread rods in position, whereby said treads may be removed from said tread rods without disturbing said brace members.

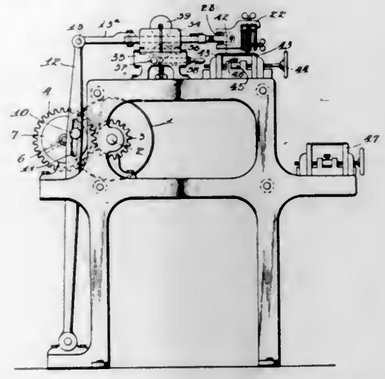
1,509,835. ALIGNER CLAMP. RUDOLPH C. GROSSENBACH, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed Apr. 23, 1921. Serial No. 464,044. 4 Claims. (Cl. 304—40.)



3. A clamp for fastening intersecting angle iron bars, said clamp including a frame having a looped portion adapted to straddle one of the bars and hooked end portions for detachably engaging the other bar, and an eccentric cam permanently mounted upon the frame and formed with a grooved edge portion for engaging an edge of one of the angle iron bars for clamping the bars rigidly in position.

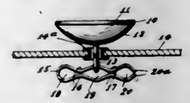
1,509,836. REED-POLISHING MACHINE. JOHN J. HALDEMAN and ARNO W. VOGEL, Sunbury, Pa. Filed May 8, 1922. Serial No. 559,339. 5 Claims. (Cl. 51—59.)

1. In a polishing machine, the combination with a holder for the article to be polished, of a plurality of horizontally movable operating arms, means for limiting the stroke of said arms, of adjustable arms mounted on the ends of said horizontally movable operating arms



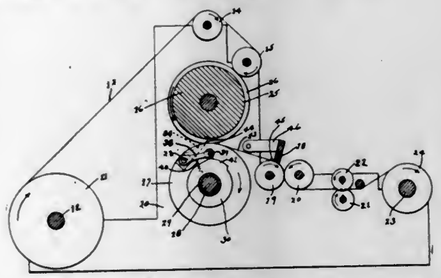
adapted to hold abrasive stones or polishers, means for adjusting arms to accommodate reeds of different widths.

1,509,837. BUTTON TOGGLE. LINCOLN S. HAPEMAN, Waterbury, Conn. Filed Mar. 6, 1923. Serial No. 623,134. 7 Claims. (Cl. 24—106.)



1. The combination with a button having an attached eye, of a toggle adapted to be connected to said eye for locking said button to a sheet of material, said toggle comprising a wire rod bent upon itself to form a plurality of loops, one of said loops being open to permit the entrance of said button eye, and another loop serving to hold the button in locked position, the sides of said toggle being adapted to be laterally spread apart in a single plane to permit said button to be readily inserted within the end loop of the toggle, the ends of said rod converging inwardly, and lying in contact with each other whereby there will be no projecting points to catch the material.

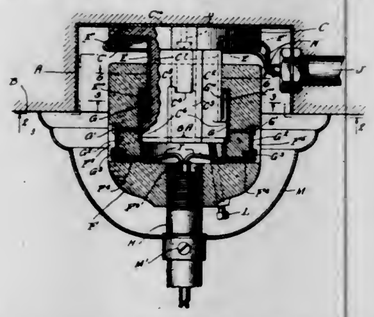
1,509,838. PAPER-PERFORATING MECHANISM. DAVID WILLIAM HUDSON, Green Bay, Wis. Filed July 26, 1922. Serial No. 577,512. 18 Claims. (Cl. 164—68.)



1. The combination with a grooved die and means for moving a web past the die said die being grooved in the direction of web travel, of a set of perforating elements registering with the grooves of the die, said elements extending transversely with reference to the path of web movement and being maintained normally in a retracted position, and means for projecting said elements in the direction of the die and through the web with a motion having a longitudinal component with reference to the

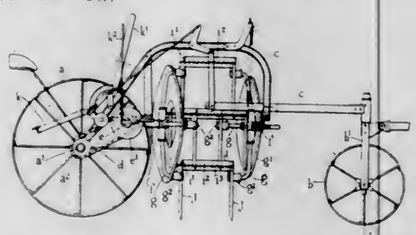
web, whereby tongues are struck upwardly from said web conforming in shape to the penetrating ends of said perforating elements.

1,509,839. ELECTRICAL-FIXTURE CONNECTION. PETER R. KUHN, New York, N. Y. Filed July 19, 1920. Serial No. 397,263. 5 Claims. (Cl. 173—330.)



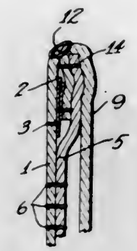
1. A connector for suspending an electric fixture comprising a part formed of insulating material and adapted to be secured in a standard ceiling outlet box and a co-operating part of insulating material adapted to be secured to the fixture, one of said parts being tubular and telescopically receiving the other, said tubular part having its inner wall shaped to provide an axially elongated cylindrical bearing surface, and the other part being shaped to provide an external axially elongated cylindrical bearing surface adapted to fit snugly in the first mentioned bearing surface, one of said parts being formed with a lug projecting from the bearing surface of the part and the other part being cut away to form a bayonet joint-like groove in its bearing surface, whereby the parts may be axially moved together, with said lug received in said groove, and may then be rotated relative to one another to bring the parts into position in which the end edge of said lug and the transverse edge wall of said slot form shoulders co-operating to prevent axial displacement of the parts, electrical contact members carried by and located within said tubular part and cooperating electrical contact members carried by the other part and brought into engagement with the first-mentioned contact member by the movement of said parts into the relative position in which said shoulders prevent axial displacement of said parts.

1,509,840. SWATH TURNER AND SIDE-DELIVERY RAKE. WILLIAM EDWARD MARTIN, Stamford, England. Filed Dec. 29, 1922. Serial No. 609,609. 8 Claims. (Cl. 56—366.)



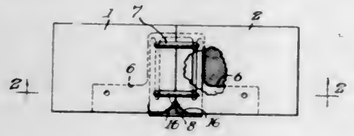
1. A swath turner and side delivery rake comprising two parallel shafts, a flyer mounted on each parallel shaft, means for driving one of the parallel shafts in opposite directions, doubly bent rake heads carried by and connecting the flyers, each rake head having two parts arranged transversely of the machine in a horizontal plane and laterally displaced and longitudinally parallel with respect to each other and an intermediate connecting part, and hanging teeth carried by the parallel parts of the rake head, substantially as set forth.

1,509,841. COAT COLLAR AND METHOD OF MAKING THE SAME. ISAAC MILLER, Scranton, Pa. Filed Jan. 31, 1924. Serial No. 689,607. 7 Claims. (Cl. 2—98.)



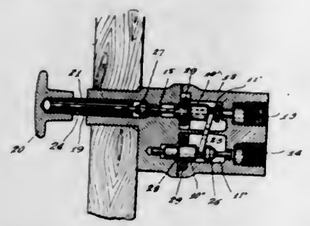
5. A collar wherein the under collar and the outer collar are joined together by a bent mounting strip sewed to each of said collars independently and stitches uniting the free edge of the under collar in the outer margin of the outer collar.

1,509,842. DESK PAD AND STAND. THEOPHIELD D. OAKLEY, Chicago, Ill., assignor, by mesne assignments, to Defiance Sales Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1922. Serial No. 552,799. 7 Claims. (Cl. 40—120.)



3. In a device of the class described, the combination of a supporting base comprising a pair of sections adapted to be arranged either side by side or end to end, means for locking the sections together in either position, and pad retaining arches for holding a pad on one of the sections so that the leaves of the pad may be turned over onto the other section in either position of adjustment of the latter.

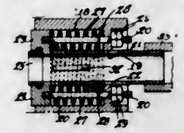
1,509,843. THREE-WAY VALVE. CHESTER S. RICKER, Indianapolis, Ind. Filed Jan. 5, 1921. Serial No. 435,079. 9 Claims. (Cl. 277—13.)



8. A three-way valve, comprising a casing having three ports, valve means controlling two of said ports, and an operating rod for said valve means extending through one of said ports.

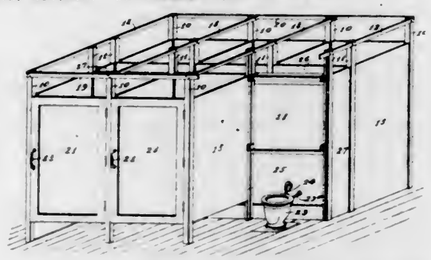
1,509,844. ADJUSTMENT FOR TERMINALS WITHIN CONNECTER HEADS. EDWARD A. ROBINSON, Montreal, Quebec, Canada, assignor of one-half to himself and one-half to Ellison A. Workman, Montreal, Canada. Filed May 17, 1922. Serial No. 561,706. 5 Claims. (Cl. 285—24.)

5. In an automatic train pipe connecter, a connecter head having a bore and a counterbore, a train pipe terminal through the bore and counterbore fitting to the bore at the rear and forwardly enlarged to slide within the counterbore, bolts engaging the enlargement at one end and limiting the forward projection



of the terminal, springs within the counterbore pressing the terminal forwardly and adjusting devices accessible from the rear for determining the extent of projection of the terminals.

1,509,845. TOILET PARTITION. SHELDON S. ROBY, New Britain, Conn., assignor to Hart and Hutchinson Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 5, 1923. Serial No. 610,843. 12 Claims. (Cl. 189—34.)

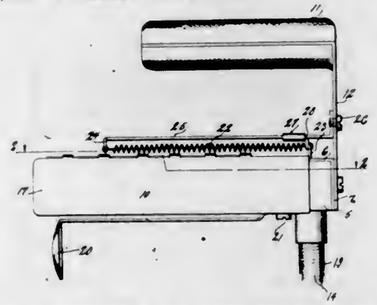


1. In a toilet system, a series of toilet compartments, a common piping and vent space communicating with each of said compartments, each compartment having a rear wall, a detachable panel in said wall adapted to permit access to said piping and vent space, said panel being removable without disturbing the piping in said toilet compartments or in said piping and vent space.

1,509,846. PRODUCTION OF ANTHRAQUINONE DERIVATIVES. JOHN H. SACHS, Wilmington, Del., and VAHAN S. BABASINIAN, South Bethlehem, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 25, 1920. Serial No. 412,819. 11 Claims. (Cl. 260—31.)

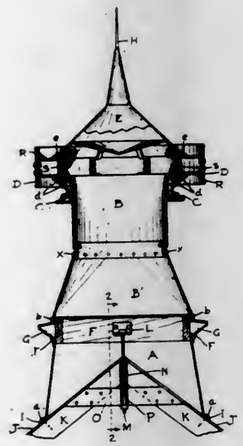
1. The process of producing an anthraquinone derivative which comprises oxidizing in the presence of an acid the leuco derivative of a product obtainable by fusing beta-amino-anthraquinone with potassium hydroxide and potassium nitrate.

1,509,847. HAIR-CUTTING APPLIANCE. SAMUEL SEVERSON, Valders, Wis. Filed Feb. 1, 1922. Serial No. 533,435. 4 Claims. (Cl. 30—1.)



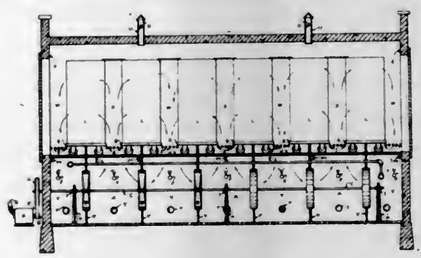
4. In an appliance of the class described, the combination with a casing, cutting means carried by the casing, and a guard extensible over the casing to regulate the cut of said cutting means, of a rest providing a fulcrum to permit the gradual extension from the casing of the guard to produce an even tapering cut by the cutting means.

1,509,848. VENTILATING CUPOLA. HERMAN SILVER, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a Corporation of Iowa. Filed Aug. 17, 1921. Serial No. 492,953. 3 Claims. (Cl. 98—4.)



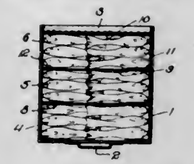
1. In ventilating cupolas having a base section, a rectangular shaped frame on the inside of said section, metallic plates secured to the inner sides of the timbers of said frame on opposite sides thereof, and threaded bolts provided with threaded nuts passed vertically through said plates, whereby when the cupola is placed on a building, the bolts may be passed down through a timber or timbers in the building, and the cupola may thereby be adjustably anchored to the building by turning up the nuts on the bolts.

1,509,849. REVERSIBLE-CIRCULATION INTERNAL-FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed July 12, 1923. Serial No. 651,071. 15 Claims. (Cl. 34—19.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a dry kiln arranged for flatwise cross piling; a series of fans in which adjacent fans are of opposite pitch; a shaft on which the fans are mounted for rotation; and means for rotating said shaft in either direction to cause reversal of the circulation of the air and vapor in said kiln.

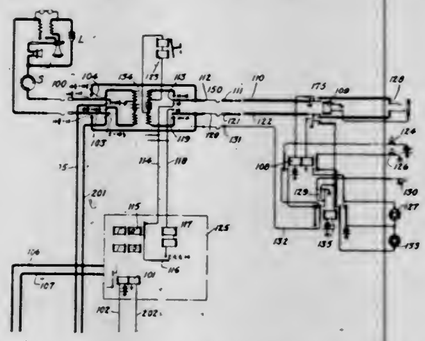
1,509,850. METHOD OF AND APPARATUS FOR REFRIGERATING COMESTIBLES. CLIFFORD J. THOMPSON and PAUL W. PETERSEN, Chicago, Ill.: said Thompson assignor to said Petersen. Filed June 8, 1922. Serial No. 566,894. 5 Claims. (Cl. 99—14.)



1. The method of handling comestibles for refrigerating them en masse into a solid mold subdivisible into sections of predetermined dimensions which consists in arranging and retaining said comestibles in regular order and in separate groups in a scoop-shaped container by interposing partitioning members between said groups, and then refrigerating the packed comestibles to freeze said partitioning members in situ with the comestibles whereby the frozen mold may be subsequently subdivided into separate groups along lines coincident with said partitioning members.

5. As an article of manufacture a frozen mold of refrigerated comestibles comprising a plurality of groups of comestibles frozen en masse, said groups being separated from each other by partitioning members frozen in situ in said mold, said partitioning members extending over the major part of a cross sectional area of the mold but permitting a small part of the comestibles of one group to freeze in direct contact with a small part of the comestibles of another group, whereby the groups may be retained together until deliberate separation thereof.

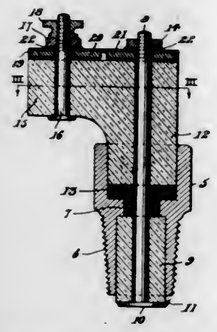
1,509,851. SIGNALING SYSTEM. EDWIN F. TRAPP, Valley Stream, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,791. 15 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a subscriber's line, a trunk circuit, means under the control of said subscriber's line for extending a connection from said line, operator controlled means operative if the calling subscriber removes his receiver from the switch hook and fails to cause the extension of such connection for extending a connection from said line to said trunk circuit, a source of varying potential, and means for connecting said source operatively with said subscriber's line.

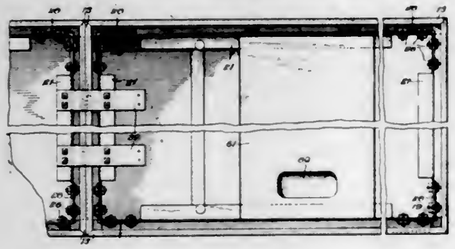
1,509,852. SPARK PLUG. JOHN TURČAN, South Akron, Ohio. Filed Sept. 22, 1921. Serial No. 502,353. 4 Claims. (Cl. 123—169.)

1. In a spark plug, an outer and an inner electrode, an insulator separating the said electrodes and positioned with the inner electrode projecting thereabove, a binding post projecting upwardly from said insulator in spaced relation to the inner electrode, a casing having spaced openings positioned upon the top of said insulator with the openings receiving the projecting ends



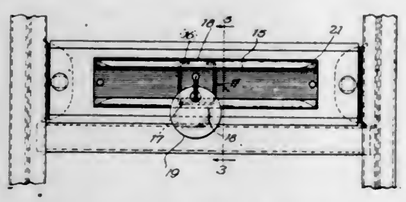
of said inner electrode and binding post, a conductor encircling the projecting end of the inner electrode, a second conductor encircling the projecting end of the binding post, said conductors being spaced to form a spark gap, and means for retaining the casing and conductors in position upon said insulator.

1,509,853. TABLE. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 18, 1919. Serial No. 318,113. 14 Claims. (Cl. 45—31.)



3. A sheet metal table, comprising a top, rails supporting the same, legs engaged only with said rails and locking the same to said top.

1,509,854. CHECKHOOK. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 14, 1920. Serial No. 416,994. 7 Claims. (Cl. 40—19.5.)



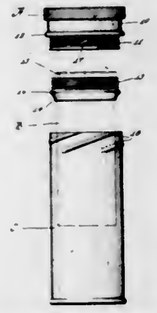
1. A check hook, comprising a resilient wire body having spaced apart ends bendable toward each other whereby the body may be sprung into a flanged holder having closed ends and returned to normal shape to cause it to be held therein, and a prong extending from said body portion end at an angle with respect to said holder.

1,509,855. HOLDING MEANS FOR DETACHABLE STRAPS. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Aug. 3, 1923. Serial No. 655,498. 8 Claims. (Cl. 24—265.)



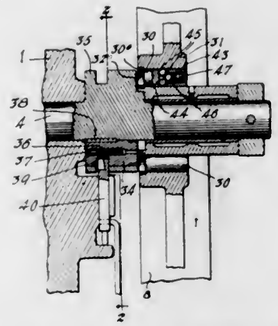
1. In detachable holding means, a T-lug suitably mounted and spaced apart from the article to which it is attached, and a looped strap having a slot therein whereby said lug may be detachably connected to said loop.

1,509,856. SHAVING-STICK CONTAINER. PHILIP K. WILLIAMS, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a Corporation of Connecticut. Filed Mar. 15, 1923. Serial No. 625,382. 4 Claims. (Cl. 206—56.)



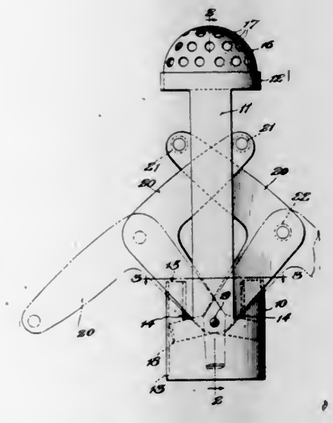
1. A shaving stick container comprising, in combination, a sheet metal cap having threads pressed therein, a ring for encircling the shaving stick and threaded to engage the threads of said cap whereby the soap stick is supported thereon, and a sheet metal casing to cover the free end of the shaving stick, said cap being provided with a short rib pressed outwardly from the metal at the threaded portion thereof and extending in a direction across the threads, and said casing being provided with a groove pressed therein cooperative with the rib on said cap.

1,509,857. LOCK FOR CLUTCH STRIKING PINS AND THE LIKE. EDMUND W. ZEH, Newark, N. J. Filed Dec. 4, 1920. Serial No. 428,405. 3 Claims. (Cl. 85—5.)



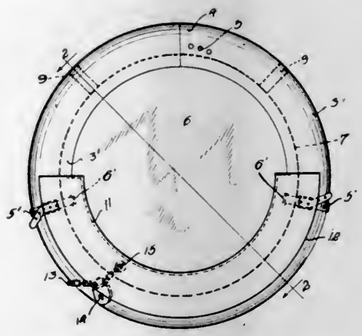
1. The combination with a part having a socket, of a removable pin fitting said socket laterally and having a transverse passage opening through its side within said socket and a longitudinal passage communicating with said transverse passage and opening through one end of the pin, a locking member movable longitudinally of said transverse passage and adapted to engage the wall of the socket, and means for holding said locking member in engagement with the wall of the socket to prevent withdrawal of the pin longitudinally, said means including a screw in said longitudinal passage capable of passing through the said socket for the pin, whereby the pin may be removed from its socket without removing the screw from the pin.

1,509,858. CORING DEVICE. CHARLES H. BOYLE, New Haven, Conn. Filed June 13, 1924. Serial No. 719,910. 7 Claims. (Cl. 146—3.)



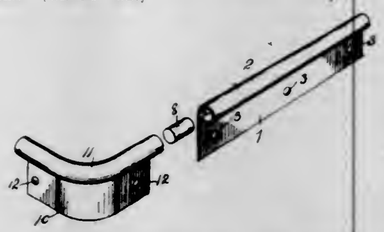
1. A coring device comprising a tubular cutter; lever handles pivotally connected therewith; and segmental cutters connected with said handles and adapted to be moved toward each other by separation of the upper ends of the handles, said segmental cutters during their entire movement being within the tubular cutter.

1,509,859. TIRE SHIELD. ARTHUR H. CALKINS, Spokane, Wash. Filed May 8, 1923. Serial No. 637,435. 3 Claims. (Cl. 150—54.)



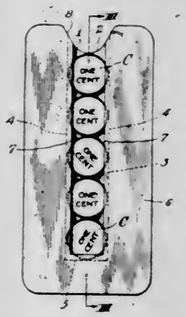
1. A tire shield comprising a web conforming to the shape of the tire and provided with an edge ring to fit over the rim of a tire, means for suspending the web on a tire, and a curved strip having its inner edge attached to the web near its periphery leaving the major portion of said strip free.

1,509,860. CURBING. EZRA H. CANNADY, Kansas City, Mo. Filed Aug. 21, 1922. Serial No. 583,133. 1 Claim. (Cl. 94—32.)



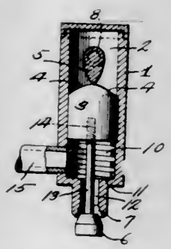
In a curbing, a suitable support, bolts mounted therein, a guard plate having a flat body portion through which said bolts extend, the upper portion of the plate being formed into a horizontal longitudinal barrel which extends outwardly beyond said bolts and the longitudinal edge of which bears against the outer side of the flat body portion above said bolts, and nuts mounted on said bolts and bearing against the outer side of said body portion.

1,509,861. FARE HOLDER. WILLIAM J. COLEMAN, Cleveland, Ohio. Filed June 21, 1922. Serial No. 569,782. 3 Claims. (Cl. 133—6.)



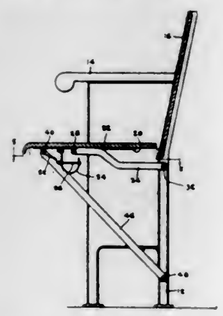
1. An article of the character described composed of five laminated and adhering flat elements, viz: a middle partition, and two pieces on each side thereof, each piece being provided with a slot, the slots in the outer pieces being smaller than the slots in the pieces which abut said partition.

1,509,862. PET COCK. ROY E. EDICK, Gladwin, Mich. Filed Apr. 12, 1923. Serial No. 631,610. 1 Claim. (Cl. 251—132.)



A pet cock comprising a casing, a member slidably mounted within a chamber of the casing, the upper end of said member having oppositely disposed bevelled walls, a rotatable cam disposed within the chamber and cooperating with said bevelled walls, the lower end of the casing terminating in a reduced portion having a discharge port therethrough, a valve stem carried by the slidable member and extending axially through the discharge port out of engagement therewith, the lower end of the valve stem being provided with a conically shaped valve cooperating with a valve seat carried by the lower end of the extension, an intake port extending through the casing adjacent the lower end thereof and below the slidable member, and a coiled spring interposed between the lower end of the slidable member and the bottom of the chamber, said slidable member and the coiled spring forming the only support for the stem and valve.

1,509,863. AUTOMATIC FOLDING-SEAT DEVICE. JOHN E. ERICKSON, St. Paul, Minn., assignor to Automatic Seating Company, Superior, Wis. Filed Apr. 5, 1923. Serial No. 630,915. 2 Claims. (Cl. 155—85.)

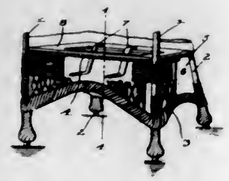


1. An automatic folding seat device comprising a support, a seat member, two link members pivotally connecting said support and said seat member, spring means which when said member is not occupied causes the latter to assume a folded position, and an adjustable buffer secured to said seat member, said buffer engaging one of said link members to limit the extent of folding movement.

1,509,864. METHOD FOR PRODUCING A MIXTURE OF MONO- AND DI-ACETINS. GUSTAVUS J. ESSELEN, Jr., Swampscott, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed July 21, 1920. Serial No. 397,960. 3 Claims. (Cl. 260—106.)

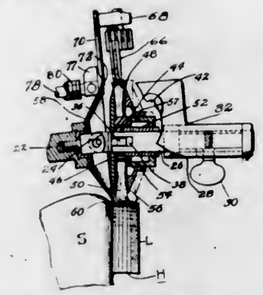
1. A method of producing a mixture of mono- and diacetins which consists in mixing glycerin and acetic acid, adding sulphuric acid, heating the mixture to a temperature of approximately 100-110° C., and finally subjecting the resultant product to distillation to recover certain of the esters of glycerin and acetic acid which are formed.

1,509,865. WILLOW OR CANE FURNITURE. JAMES J. FESS, PETER J. FESS, and JOSEPH P. FESS, Rochester, N. Y. Filed Aug. 4, 1922. Serial No. 579,635. 2 Claims. (Cl. 155—191.)



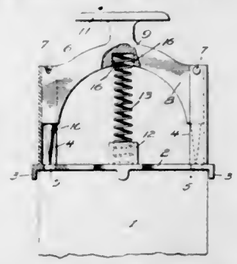
1. In willow or cane furniture, the combination with a pair of front legs and a pair of rear legs each formed with seats, of willow work connecting said legs and having a hoop about which the base material is woven resting upon the seats of the rear legs, and a seat frame supported upon said hoop.

1,509,866. COATING APPARATUS. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 9, 1923. Serial No. 656,564. 30 Claims. (Cl. 91—37.)



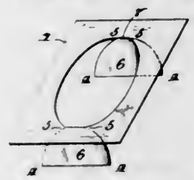
1. In a coating apparatus, a rotatable applying brush having a wall for contact with its fibers at one side and at the opposite side a member adjustable toward and from the wall to vary its contact with the fibers, the wall and contact member leaving the applying ends of the fibers free to bend.

1,509,867. CAN PERFORATOR. CHARLES A. GORDY, Hanford, Calif. Filed Mar. 14, 1923. Serial No. 625,150. 5 Claims. (Cl. 164—119.)



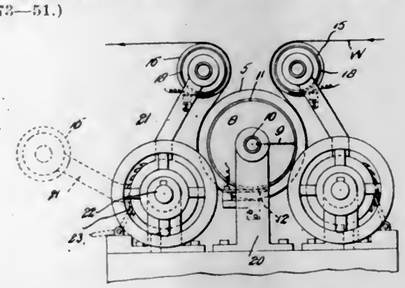
1. A perforating device of the character described comprising, a plate having centering means extending from one side and further having apertures therethrough, spaced vertical channeled guide posts carried by said plate, a yoke member having its extremities slidable in said posts, piercing means carried by said extremities in alinement with said apertures for passage therethrough and normally housed in said posts, and means for retaining said yoke and piercing means in retracted position.

1,509,868. SANITARY COVERING FOR SEATS. THOMAS P. HARRISON, Raleigh, N. C. Filed Feb. 14, 1923. Serial No. 618,959. 3 Claims. (Cl. 4—243.)



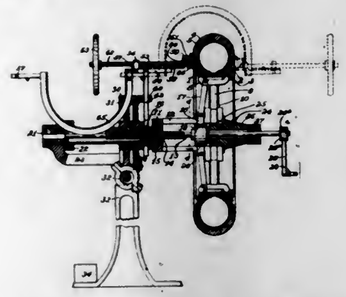
1. The method of forming a seat cover from a sheet of material which method comprises folding the sheet on itself along one dimension, folding the resultant folded sheet on itself on a line at right angles to the line of said first fold, thus providing a corner having the adjacent marginal edges extending in one direction with a closed four-ply fold and in the other direction with two separate closed folds each of two-ply, removing a strip of the folded material from a point on one edge adjacent said corner and part way only along the length of the adjacent edge and thus providing one edge portion open to all of the plies thereof, and cutting all of the plies of said folded sheet inwardly from a point along said open portion in a curved line toward said adjacent edge and terminating the cut short of said closed four-ply fold.

1,509,869. INSTRUMENT FOR THE AUTOMATIC DETERMINATION OF MOISTURE IN PAPER OR TEXTILES. ARTHUR R. HARVEY, Middletown, Ohio. Filed July 11, 1923. Serial No. 650,810. 11 Claims. (Cl. 73—51.)



1. In an instrument for the automatic determination of moisture content in a web while moving during its course of manufacture, means for supplying heat to said web, means sensitive to the heat of the web before and means sensitive to the heat of the web after being heated by said heating means, and an indicator controlled by said heat sensitive means for indicating the moisture content of said web.

1,509,870. APPARATUS FOR MOUNTING AND DEMOUNTING PNEUMATIC TIRES. PETER F. KLEIN, Waterloo, Iowa. Filed Mar. 9, 1923. Serial No. 623,980. 9 Claims. (Cl. 157—6.)

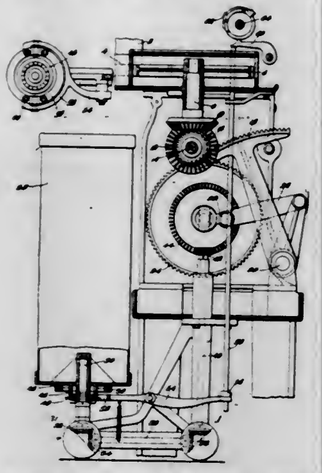


1. In apparatus for mounting and demounting pneumatic tires, rotatable clamping-means adapted to adjustably removably hold a rim with pneumatic tire thereon, a supporting device pivotally mounted intermediate its ends and a pressure-tool mounted adjustably adjacent to abutting parts of either side face of said rim and tire to operate adjustably on either from either side of the clamping-means while the latter is in rotation.

1,509,871. FABRIC RECEIVER FOR KNITTING MACHINES. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Original application filed Apr. 5, 1921, Serial No. 458,640. Divided and this application filed May 27, 1922. Serial No. 564,210. 7 Claims. (Cl. 66—9.)

1. A knitting machine having, in combination, a rotating and reciprocating needle cylinder, a fabric receiver

below the cylinder, mechanism underlying and engaging the lower end of the fabric receiver for rotating it in



unison with the needle cylinder during rotary knitting, and means for disconnecting the receiver during reciprocatory knitting.

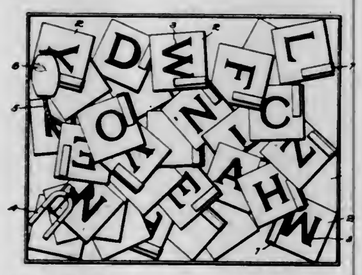
1,509,872. METHOD OF PRINTING SIZED PAPER. WALLACE J. MURRAY, Boston, Mass., assignor, by mesne assignments, to Todd Protectograph Company, Inc., Rochester, N. Y., a Corporation of New York. Filed June 9, 1921. Serial No. 476,310. 7 Claims. (Cl. 91—67.95.)

1. A method of making permanent records on sized paper which consists in impregnating the paper with a reagent capable of yielding nitrous acid and applying to the surface of the paper an ink capable of penetrating the sized paper and reacting with the reagent to liberate nitrous acid and precipitate a pigment within the body of the paper.

6. A method of printing sized paper, which consists in impregnating the paper with sodium nitrite, drying the paper, applying to the surface of the paper an ink consisting of a solution of dianisidine and beta-naphthol in oleic acid.

7. A sized paper impregnated with a nitrite.

1,509,873. GAME. FRANK L. ORDWAY, Salem, Mass., assignor to Parker Bros., Salem, Mass., a Corporation of Maine. Filed Apr. 14, 1922. Serial No. 552,615. 4 Claims. (Cl. 46—48.)



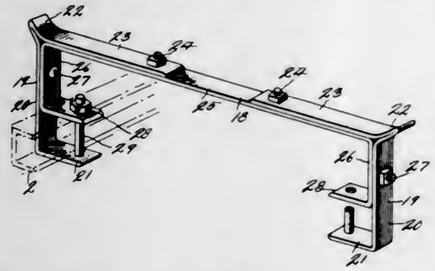
4. A game apparatus comprising at least one magnet and a receptacle having a series of pasteboard pieces, each having a letter upon one face thereof, each of said pieces having a steel clip secured thereto, thereby rendering the pieces attractable by the magnet, whereby players may contest in drawing letters from the receptacle thereafter to be built into words.

1,509,874. FLYTRAP. JOHN PELYP, Chicago, Ill. Filed Feb. 7, 1924. Serial No. 691,208. 4 Claims. (Cl. 43—118.)



1. In a fly trap, a frame structure, a screened casing carried by the structure, a hinged cover for the casing, a platform at the lower end of the structure, a hinged bottom for the casing spaced upwardly from the platform, and a cone-shaped entrance and bait support detachably connected to the bottom, said bait support including a ring, spider arms carried by the ring and bait hooks depending from the center of the spider arms.

1,509,875. DUMP-BODY BRACKET. JOSEPH S. RASNICK, ROBERT A. BUTTERY, and EWDARD L. LUSK, St. Paul, Va. Filed Jan. 8, 1924. Serial No. 684,988. 1 Claim. (Cl. 298—17.)



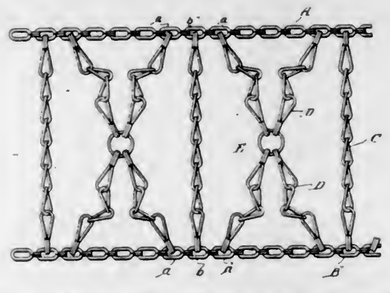
The combination with the side rails of an automobile frame, the free end of a pivoted dump body carried thereby, of a bracket for receiving and supporting the free end of the dump body, said bracket comprising horizontally disposed U-shaped members having upper and lower arms, the lower arms of the U-shaped members underlying the rails of the frame, the upper arms extending inwardly towards each other above the rails and spaced therefrom, the upper outer corners of the U-shaped members being bent to form upwardly extending dump body engaging lugs, an inverted U-shaped member having its transverse portion secured to the upper arms of the first mentioned U-shaped members, the downwardly extending arms of the inverted U-shaped member being secured to the vertical arms of the first mentioned U-shaped members, said arms of the inverted U-shaped member terminating in horizontally disposed arms engaging the upper sides of the rails and bolts extending through the lower arms of the first mentioned U-shaped members and the last mentioned horizontally disposed arms of the inverted U-shaped member.

1,509,876. CHECK-CANCELING ATTACHMENT FOR FOUNTAIN PENS. PEDRO ESCALAMBRE RICERRA, Manila, Philippine Islands, assignor of one-half to Gregorio Polintan, Manila, Philippine Islands. Filed Feb. 23, 1923, Serial No. 620,714. Renewed Aug. 20, 1924. 2 Claims. (Cl. 101—3.)



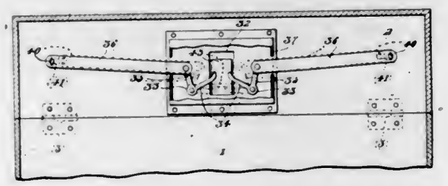
1. A check protector comprising, a bifurcated resilient body member, a substantially U-shaped member secured at the inner end between the furcations of the body member and serving to normally retain the furcations extended outwardly, and teeth formed integrally with and upon the opposed inner faces of said U-shaped member and positioned in a manner as to cause them to mesh when the parts are actuated.

1,509,877. TIRE CHAIN. JOSEPH D. RICHIE, Casper, Wyo. Filed Aug. 21, 1923. Serial No. 658,539. 1 Claim. (Cl. 152—14.)



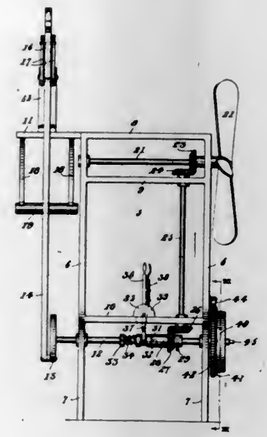
A non-skid structure for automobile tires, comprising a plurality of longitudinal side chains formed of ordinary links and adapted to extend entirely around an automobile tire and to engage the side surfaces of the latter, equally spaced transverse chains connecting the side chains and each adapted to extend from one side chain over the tread of the tire to the opposite side chain, and a pair of diagonal crossed chains arranged between each two adjacent transverse chains and having their ends connected to the links of the side chains, said crossed chains being of such length as to pass over the tread of the tire without pulling the side chains toward said tread, and said diagonal chains having the links thereof normally out of alignment.

1,509,878. TRUNK LOCK. LOUIS ROBERTS, Brookville, Pa. Filed Jan. 17, 1924. Serial No. 686,787. 3 Claims. (Cl. 70—115.)



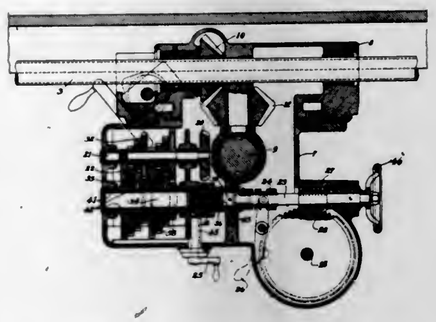
1. In a trunk lock, a key-operated swinging hasp, end locks including tensioned latch levers and rigid keeper lugs for the latch levers, and means for disengaging the latch levers from the lugs arranged in the path of movement of the hasp.

1,509,879. MECHANICAL TOY. AFTAN ROMANZAK, Singac, N. J. Filed Feb. 21, 1924. Serial No. 694,254. 1 Claim. (Cl. 46—40.)



In a device of the type described, a supporting frame, a power shaft carried by said frame, a platform projecting laterally from the upper end of said frame, a jointed doll mounted upon said platform, a saw connecting said doll and said power shaft in such a manner that rotary movement of the shaft will cause longitudinal movement of the saw, a hollow cylinder carrying granular material resiliently connected to said platform and positioned in engagement with the teeth of said saw, and means for operating said power shaft so that said saw and doll will be actuated and said saw will agitate said cylinder for disturbing the granular material positioned therein.

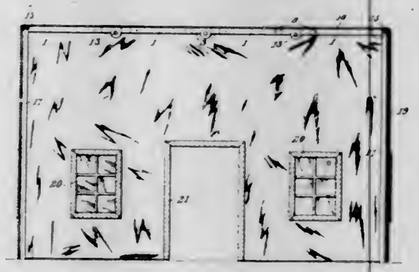
1,509,880. CHANGE-SPEED MECHANISM FOR DRILLING MACHINES. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 30, 1920. Serial No. 413,935. 6 Claims. (Cl. 74—59.)



1. A change speed mechanism, comprising the combination of a driving device and a driven device, means including a longitudinally movable shaft rotatably connecting such devices in a manner whereby the entire driving torque is transmitted through such shaft, one of the devices comprising a plurality of differently diametered gears mounted on the shaft and operatively engaged by a like number of companion gears on a parallel shaft, two keys mounted on the first mentioned shaft in spaced relation therealong and adapted to be engaged alternately with certain of the gears, either key

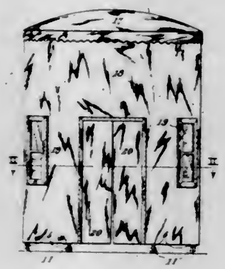
being disengaged when the other key is engaged, and means for moving the first said shaft longitudinally to operatively engage the keys successively with the first mentioned gears.

1,509,881. PORTABLE BOOTH OR TENT. ANNA SEVERIN, Weatherford, Tex., assignor of one-half to John B. Alvis, Weatherford, Tex. Filed Dec. 31, 1923. Serial No. 683,766. 3 Claims. (Cl. 135—4.)



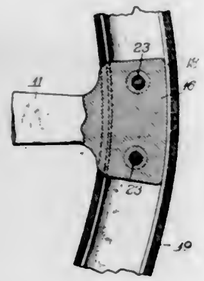
2. In a device of the class described, an upper horizontal frame formed of side bars, each embodying a plurality of hinged rod sections, vertical supporting posts for the upper frame, a canopy inclosing the frame and posts, the hinge connections between the rod sections including bearing studs rotatable in the adjacent ends of the rods to permit the rod sections to be swung in opposite directions, the rotatable mounting formed of an adjustable swivel connection, and springs associated with the rod sections and bearing studs cooperating with the adjustable swivel connections for holding the rod sections in shifted positions.

1,509,882. PORTABLE BOOTH OR TENT. JOHN A. SEVERIN, Weatherford, Tex., assignor of one-half to John B. Alvis, Weatherford, Tex. Filed Dec. 31, 1923. Serial No. 683,767. 6 Claims. (Cl. 135—1.)



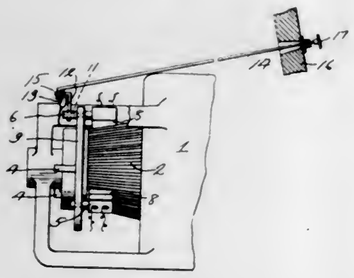
6. In a device of the class described, a frame structure for supporting a canopy, embodying an upper frame and vertical supporting posts, the upper frame being formed of a plurality of substantially radially disposed links pivotally connected at their inner and outer ends, pairs of pivoted links pivotally attached at their outer ends to the pivotally connected outer ends of the radial links, means associated with the outer pivoted end of a pair of links for holding the same in extended position, cord guides carried by some of said links, and a cord passing through the links, anchored at one end to one guide and freely extended through the remaining guides whereby a pull on the cord will contract the upper frame.

1,509,883. STEERING WHEEL FOR AUTOMOBILES AND THE LIKE. FRANK H. STANWOOD, Chicago, Ill. Filed Feb. 25, 1918. Serial No. 219,003. 4 Claims. (Cl. 74—33.)



1. A steering wheel for automobiles and the like, comprising a hollow sheet metal annulus, spokes having their ends disposed within and filling the cross-sectional area of said annulus, and a covering of soft rubber encasing said annulus and providing a permanent non-slipping non-heat-conducting hand hold, said covering consisting of an integral body having apertures therein to receive said spokes to prevent circumferential slipping of said cover with respect to said annulus.

1,509,884. ELECTRIC GENERATOR. FRED J. TERWILLIGER, Montague, Calif. Filed July 11, 1923. Serial No. 650,855. 1 Claim. (Cl. 171—324.)

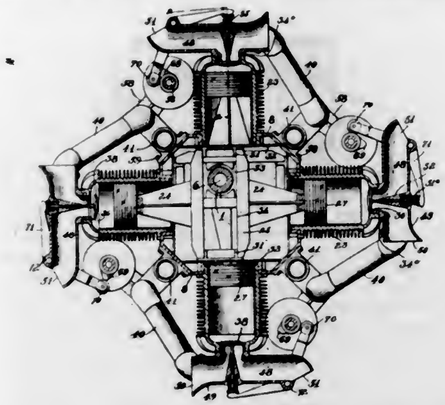


The combination with a generator brush, a brush carrying ring, of means for mounting said brush on said ring, said means comprising a shaft, a reduced portion carried by said shaft and extending through an arcuate slot in the ring, said reduced portion of the shaft terminating in an enlarged eye engaging the outer side of the ring and preventing inward movement of the shaft, a bell crank lever, and an arm carried by said bell crank lever and extending through said eye and forming means whereby upon a movement of the bell crank lever, said brush will be concentrically moved.

1,509,885. ROTARY ENGINE VALVE. HENRY L. F. TREBERT, West Bloomfield, N. Y., assignor to Trebert Airplane Motor Company, Inc., Penn Yan, N. Y., a Corporation of New York. Original application filed Aug. 27, 1917, Serial No. 188,342. Divided and this application filed July 26, 1921. Serial No. 487,765. 1 Claim. (Cl. 123—44.)

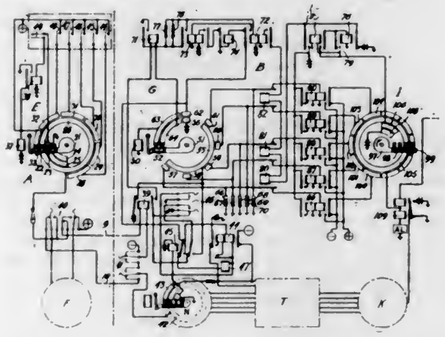
In a rotary gas engine, the combination with a fixed central element and a plurality of rotatable radial cylinders arranged side by side, axially of the fixed element, in pairs, of cylinder heads cast integrally for each pair

of cylinders and each comprising a fuel intake chamber common to both cylinders and individual exhaust pipes



for the latter, which pipes are so disposed as to be traversed internally by air currents superinduced by the movement of the cylinders about the fixed element.

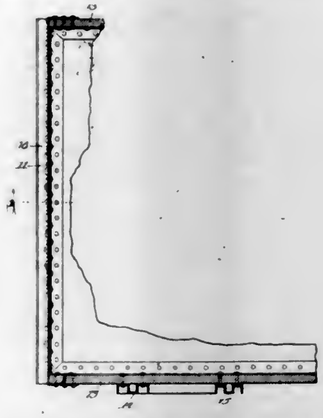
1,509,886. PRINTING-TELEGRAPH SYSTEM. GILBERT S. VERNAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,069. 4 Claims. (Cl. 178—2.)



1. In a telegraph system, a plurality of stations interconnected by a line conductor, duplex equipment located at each of said stations, distributing apparatus associated with each end of said line, extension circuits extending from said stations, transmitting and receiving equipment associated with each of said extension circuits, means at said stations for changing said system from full duplex to half duplex operation and vice versa, and means associated with the extension circuits for connecting said receiving equipment serially with said transmitting equipment.

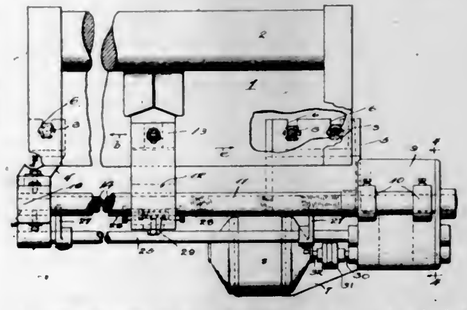
1,509,887. REINFORCING MEMBER. ROBERT R. WEAVER, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Nov. 22, 1922. Serial No. 602,535. 4 Claims. (Cl. 105—411.)

2. In combination with a car wall to be stiffened, a stiffening member consisting of a channel comprising substantially parallel web portions at which said member seats against said wall, the flanges of the channel being located along the outer lengthwise-extending edges of said portions substantially in parallelism and generally in the same direction outwardly from said wall, the channel intermediate said web portions having rolled webs extending substantially the length of the stiffening



member and outwardly of the web portions, the webs being united at their outer edges, a plate-like portion at each end of the stiffening member, and an angularly extending portion projecting from each of the last mentioned portions and fastened to the wall.

1,509,888. MECHANICAL INKING APPARATUS. CHARLES F. WELDON, Delavan, Wis. Filed Sept. 11, 1923. Serial No. 662,102. 2 Claims. (Cl. 101—364.)

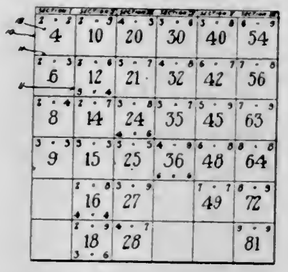


1. The combination with an ink fountain of a printing press, of an ink agitating device therefor, said device comprising an agitating member, a feed screw, a guide rod, said agitating member being mounted on said feed screw and guide rod, a power shaft, gear and clutch connections between the power shaft and feed screw, a clutch control rod slidably mounted and normally independent of the agitating member, adjustable stops carried by said clutch control rod and yieldably mounted stops carried by the agitating member in the path of the adjustable stops.

1,509,889. EDUCATIONAL DEVICE. FLORENCE M. C. WHEATON, South Manchester, Conn. Filed Sept. 28, 1921. Serial No. 503,747. 5 Claims. (Cl. 283—44.)

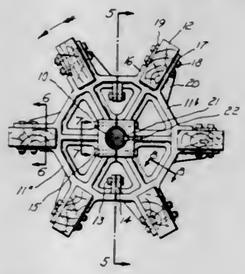
1. An apparatus for teaching arithmetic comprising a body portion provided with means to form one face thereof with a plurality of sections and means within each of said sections to constitute a multiple, a factor thereof, a multiplicand for the factor to produce such multiple and a multiplication symbol between the factor and the multiplicand, and a set of cards, each of the

cards of said set associated with a section and having one face thereof provided with indicia corresponding to the indicia in that section with which the card associates, each of said cards having its other face pro-



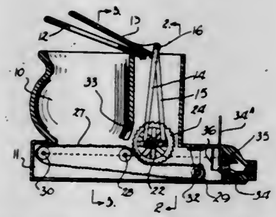
vided with means to constitute a multiple corresponding to the multiple in that section with which the card associates, the indicia in each of said sections being different from each other.

1,509,890. REEL. HAROLD A. WILCOX, Webster, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Apr. 30, 1923. Serial No. 635,423. 6 Claims. (Cl. 9—19.)



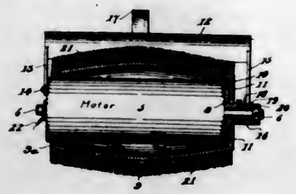
3. A reel having, in combination, a supporting shaft, a plurality of heads spaced along said shaft, a plurality of bars mounted on said heads and secured thereto, sectional end flanges for said reel, and means to secure said flanges in position.

1,509,891. SANITARY CLOSET. JAMES WILDMAN, Sydney, Australia. Filed Sept. 1, 1923. Serial No. 660,563. 2 Claims. (Cl. 4—115.)



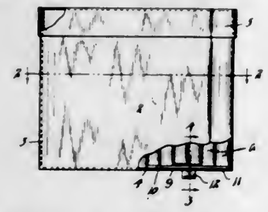
1. In sanitary closets in which fæcal matter and other soluble contents are acted upon by a chemical solution, the combination with a closet pan, of a tank or chamber positioned below and in communication with said pan, an endless chain or flexible conveyor movable across the opening between the pan and adapted to be passed through a chemical solution within the tank, and means for actuating the conveyor.

1,509,892. ROTARY BRUSH. JOHN H. ZIELINSKI, Hartford, Conn. Filed Feb. 14, 1924. Serial No. 692,747. 2 Claims. (Cl. 15—23.)



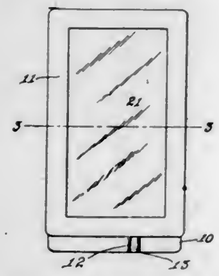
1. In a rotary brush of the type described, an electric motor including a cylindrical casing and an armature shaft projecting from one end thereof, a barrel-shaped brush frame loosely encircling said motor casing, means connecting one end of said brush frame to the projecting end of said shaft, a guard plate, means rigidly connecting one end of said guard plate to one end of the motor casing, means loosely connecting the other end of said guard plate to the projecting end of said armature shaft, and a handle strap carried by said guard plate for permitting the rotary brush to be manually operated.

1,509,893. CIGARETTE CONTAINER AND DISPENSER. MARTIN A. ZIEME, Minneapolis, Minn. Filed June 25, 1923. Serial No. 647,535. 4 Claims. (Cl. 206—41.)



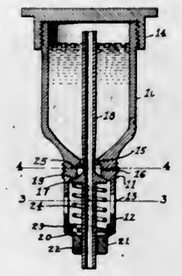
1. A flat container for cigarettes having a peripheral wall with parallel sides spaced to accommodate two rows of cigarettes parallel thereto, said wall at one end of said periphery being curved to form two parallel semi-cylindrical pockets one adjacent one side wall and one adjacent the other side wall, one of said pockets being deeper than the other and adapted to receive a cigarette substantially below the bottom of the other, the shallower pocket preventing cigarettes in one row from moving into the deep pocket.

1,509,894. TOILET KIT. ELMER M. AXNESS, Montevideo, Minn. Filed May 2, 1924. Serial No. 710,672. 1 Claim. (Cl. 132—84.)



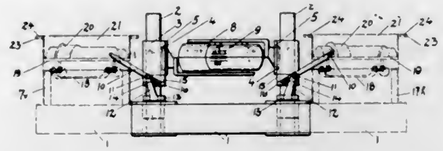
A toilet kit comprising a case open at one end, a telescopic cover for the case, oppositely located depressions extending inwardly from opposite sides of the case and defining combined ribs to divide the case into a dentifrice compartment and a tooth brush compartment and to provide air passages between the case and cover.

1,509,895. OIL CUP FOR AIR COMPRESSORS. WILLIAM A. BALMANNO, Albuquerque, N. Mex. Filed Mar. 30, 1922. Serial No. 548,061. 2 Claims. (Cl. 84—58.)



1. A lubricator of the character described comprising a receptacle formed with a reduced threaded extension for screwing engagement within a hole in a cylinder, a removable cover for the receptacle, the receptacle being adapted to contain oil and having its lower portion formed with a chamber and a valve seat located between the chamber and the main body and establishing communication between the interior of the body and said chamber, the wall of said chamber portion being formed with openings, a tubular stem located axially of the receptacle and extending below said chamber, said tubular stem having its intermediate portion enlarged to define a valve for closing said seat, a plug screwed into the lower end of the chamber and having a bore through which said tubular stem is slidable, and a spring encircling said stem and bearing against the top of the plug and the underside of the valve for holding the valve seated, said plug being rotatably adjustable whereby to regulate the tension on said spring.

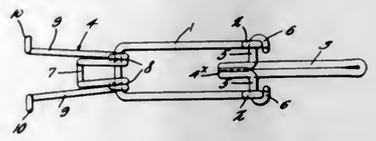
1,509,896. CASTING MACHINE FOR THE MANUFACTURE OF CORE CASTINGS SUCH AS TUBES AND THE LIKE. EVERT ERICSSON, Christiania, Norway. Filed Aug. 9, 1922. Serial No. 580,696. 18 Claims. (Cl. 22—10.)



1. In a casting machine for the manufacture of core castings such as tube parts and the like a machine frame, supporting columns thereon, supporting arms pivotally and slidably mounted on said columns and means for fastening core box and mould box or chill sections on said supporting arms, said supporting columns being so placed with relation to each other, that the sections carried by said supporting arms may be brought in engagement with corresponding sections on two or more other supporting arms.

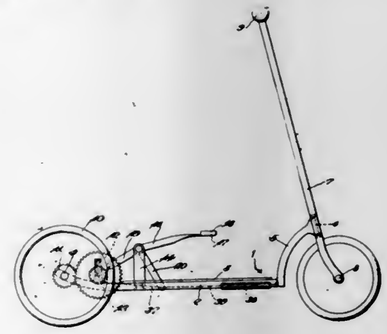
1,509,897. TIRE-CHAIN FASTENER. JOSEPH F. GRAHAM, Tunnelton, W. Va. Filed Mar. 3, 1924. Serial No. 696,679. 1 Claim. (Cl. 24—69.)

A tire chain fastener comprising a U-shaped body having eyes at its ends, a tongue having a loop at its heel and also having lateral journals disposed in said eyes and terminating in hooks, the said tongue loop extending at right angles therefrom, and the major portion of the tongue resting in the same plane as the loop and extending at the opposite side of the plane of the journals, and a keeper having coils surrounding the bight of the body and also having a loop arranged to



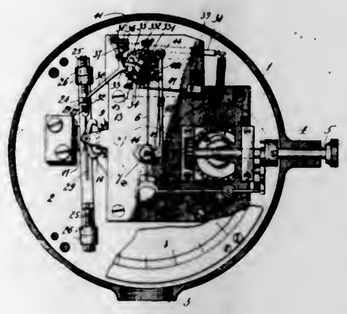
straddle the tongue and resilient arms terminating in outwardly directed hooks adapted to be sprung into and out of engagement with the side portions of the body.

1,509,898. VELOCIPEDE. GEORGE E. MCCONNELL, Aurora, Ill. Filed Aug. 27, 1923. Serial No. 659,577. 3 Claims. (Cl. 208—36.)



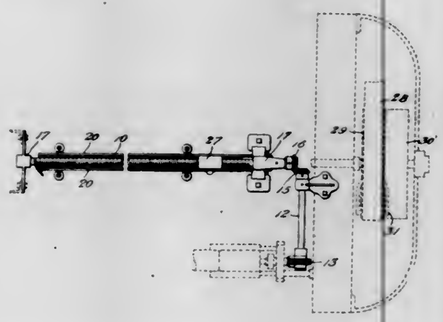
1. A velocipede comprising a driving axle, a pivotally mounted operating lever adapted to be forced downwardly by manual pressure, a spring connected to the lever for moving the lever upwardly, means including the spring associated with the lever for transmitting driving power to said driving axle upon both downward and upward movement of the lever, and means for preventing reversed rotation of the driving axle.

1,509,899. STOP-WATCH MECHANISM. DAVID W. MANN, Lincoln, Mass. Filed Mar. 26, 1921. Serial No. 455,805. 8 Claims. (Cl. 58—116.)



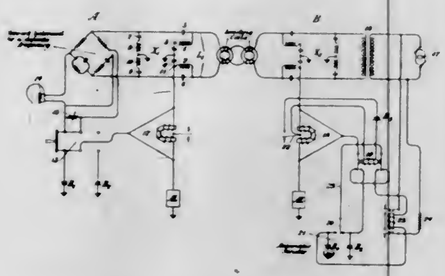
1. In an escapement mechanism, a stationary member, a spring mounted thereon, a vibratory member mounted between its ends on said spring, an escapement lever, and means connecting said escapement lever and said vibratory member whereby said vibratory member will be vibrated.

1,509,900. MEASURING AND AUTOMATIC KNOCK-OFF DEVICE. JAMES NEWSOM and CALEB P. DEAL, Lagrange, Ga.; said Newsom assignor to Unity Cotton Mills, Lagrange, Ga., a Corporation of Georgia. Filed Sept. 13, 1921. Serial No. 500,344. 1 Claim. (Cl. 235—132.)



In a device of the class described, a driven element, a scale parallel therewith, a combined pointer and trigger release movable by the operation of said element in a path parallel with the scale, said pointer and release being in a line perpendicular to the scale, a trigger having one end positioned to indicate the point on the scale at which the trigger release will be effective, a lever pivoted intermediate of its ends and having connection at one end with the trigger, a belt shifting device also connected with said end of the lever, and a spring connected with the opposite end of the lever, for throwing the latter when released by the trigger.

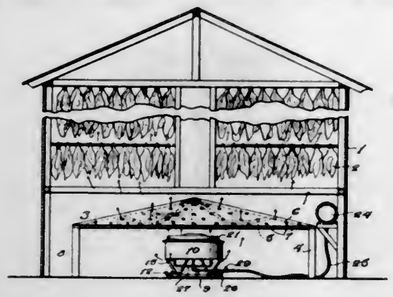
1,509,901. ELECTRICAL MEASURING SYSTEM. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,004. 8 Claims. (Cl. 179—175.)



1. In a loaded circuit characterized by the simultaneous transmission of a plurality of currents, the method of investigating flutter which consists in suppressing the larger steady part of a fluttered wave and transmitting and investigating the unsteady part of smaller amplitude.

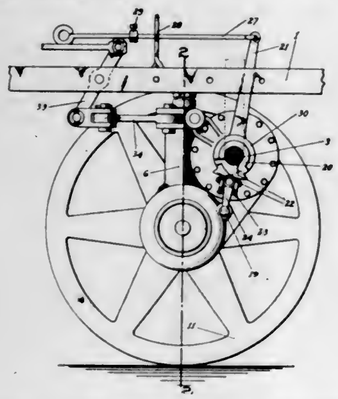
1,509,902. TOBACCO-CURING APPARATUS. JOSHUA C. REYNOLDS, Owensboro, Ky., assignor of one-third to Clarence D. Brown, Owensboro, Ky. Filed May 2, 1923. Serial No. 636,183. 4 Claims. (Cl. 34—19.)

1. Means for curing tobacco comprising an awning, means for supporting said awning within a tobacco-curing barn below tobacco hung in the barn, the said awning being provided with perforations throughout its area,



and a heat-creating medium disposed below and freely movable under the awning.

1,509,903. DEPTH-CONTROL AND POWER-LIFT DEVICE FOR PLOWS. EDWARD J. RIMPLE, San Jose, Calif. Filed Dec. 4, 1922. Serial No. 604,749. 12 Claims. (Cl. 97—72.)

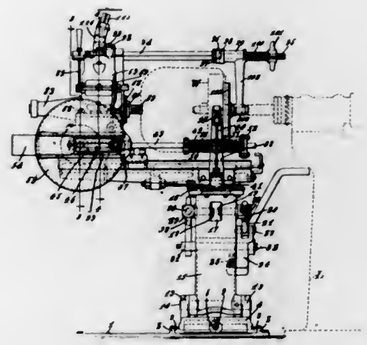


1. A power lift for plows and the like including a fixed horizontal spindle, a rotatable wheel whose axis lies in a plane offset from said spindle, means connecting said spindle and wheel in a manner to permit arcuate movement of the wheel axis about the spindle as an axis, means actuated by the rotation of the wheel for imparting such movement to the wheel axis in either direction, hand actuated means for putting said actuating means into action, and independently acting means for automatically throwing said actuating means out of action when the wheel axis has reached its limit of arcuate movement in either direction.

1,509,904. POLISHING MACHINE. ROBERT F. SALISBURY, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 21, 1920. Serial No. 405,003. 20 Claims. (Cl. 51—237.)

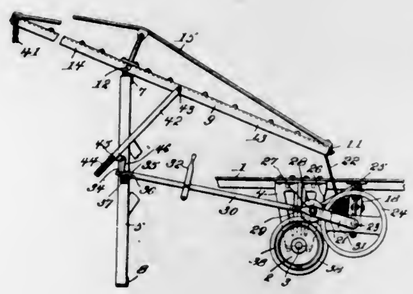
1. The combination with a polishing wheel, of a work holding device having a portion tiltably mounted, a standard, pivotally connected members constituting a toggle and connected to the standard and tiltable portion of the device for holding the device normally against movement, means under the control of the operator for shifting said members out of normal position and resilient means for automatically tilting the tiltable portion of the device toward the wheel when the members are shifted from normal position.

2. The combination with a polishing lathe, of a work holding device having a portion tiltably mounted, pivotally connected members constituting a toggle for holding the machine normally against movement, a counterbalance



lever connected to one of said members, and spring operated means for automatically swinging the tiltable portion of the device toward the lathe when the members are moved out of normal positions.

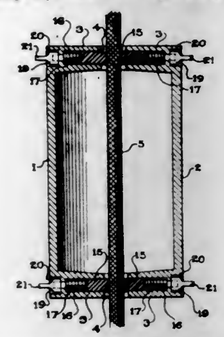
1,509,905. LIFTING ATTACHMENT FOR TRACTORS. CLYDE SALYARDS and GEORGE B. SCHEFFEY, Haxtum, Colo. Filed Sept. 27, 1922. Serial No. 590,844. 5 Claims. (Cl. 212—8.)



1. In winding means, the combination of a supporting frame, a swinging frame mounted on the supporting frame, drums carried by the swinging frame, a transverse shaft on the swinging frame, worm gearing between said shaft and each of said drums, a primary driven gear mounted on said shaft, a swinging member supported for movement in an arc different from the arc of movement of said shaft, a secondary driven gear carried by said swinging member, and shifting means coupling said shaft and swinging member for movements in unison.

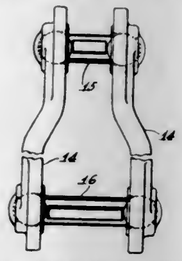
1,509,906. WIRE-LINE LUBRICATOR. GILBERT GOSS SAWTELLE, Arkansas City, Kans. Filed July 17, 1922. Serial No. 575,562. 3 Claims. (Cl. 184—15.)

1. A wire line lubricator comprising a casing adapted to be secured in closed state about a line, and means carried by the casing at the side and ends thereof to retain oil therein, and including rubbers or packing sections adapted for the passage of a line; the said casing including sections hingedly connected together and each provided



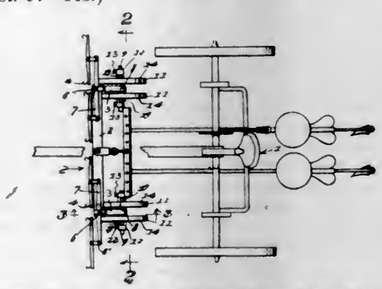
with end portions, and means detachably connecting the sections and constructed and arranged to hold the same in closed state against each other.

1,509,907. ARTICULATED BRAKE HANGER. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed May 31, 1923. Serial No. 642,464. 6 Claims. (Cl. 188—207.)



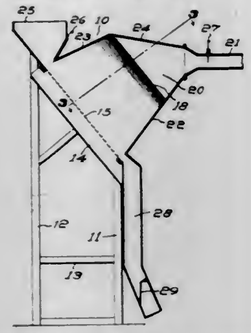
5. An articulated brake hanger comprising side arms provided at their lower ends with sockets having cylindrically shaped bearing walls, and a lower yoke provided at its ends with cylindrically shaped bearing heads pivotally mounted in said sockets, said heads having cup-shaped recesses in their sides, and the side walls of said sockets being integrally provided with buttons extending in said recess to lock said yoke and side arms in their pivotal connections to each other.

1,509,908. TRUCK ROW GUIDE ATTACHMENT FOR CORN LISTERS. LEVI J. STARK, New Raymer, Colo. Filed Aug. 16, 1922. Serial No. 582,196. 4 Claims. (Cl. 97—143.)



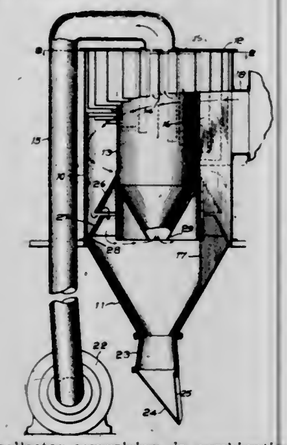
1. The combination with a corn lister having an evener bar, and draft trees pivoted to said evener bar, of a pair of row guiding wheels mounted upon the evener bar to one side of the middle of the draft line of the machine and adapted to travel in a furrow, said wheels being adjustable toward or from each other.

1,509,909. PNEUMATIC SIZER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,873. 4 Claims. (Cl. 83—54.)



1. A pneumatic sizer, comprising in combination, an inclined apertured surface, means for delivering materials to be separated to said surface, a casing forming a chamber extending over said surface, suction means for effecting passage of air currents through the apertures of the surface, and means for controlling the passage of air through said surface so that the strength of the air will be gradually decreased as the materials travel lengthwise of the surface, comprising a restricted throat within the casing extending approximately parallel to the surface and having the opening of the throat gradually decreased in the direction of its lower end.

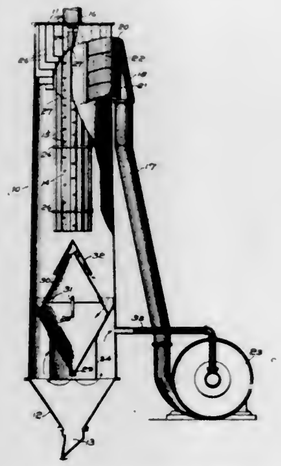
1,509,910. DUST COLLECTOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 13, 1922. Serial No. 552,175. 14 Claims. (Cl. 183—83.)



1. A dust collector comprising, in combination, a drum having dust receiving means at its lower end, a tube extending longitudinally within the drum and having an opening at its upper end for the passage of air from the drum, a series of radially disposed vanes within the upper end of the drum and extending outwardly from the tube, means for introducing air into the drum to pass around the tube and upwardly between the vanes, and means for conducting the air that passes up between the vanes through said opening and out of the drum.

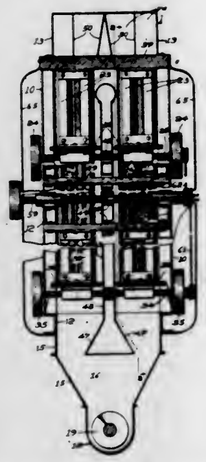
1,509,911. DUST COLLECTOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 553,120. 8 Claims. (Cl. 183—87.)

1. A dust collector comprising, in combination, an upright drum possessing a length substantially greater than its diameter and having a closed upper end and means for discharging dust from its lower end, an air discharge tube extending centrally downwardly within the drum for a substantial portion of the length of the latter and having apertures in its walls at intervals along the tube for the passage of air into the tube from the drum, means for delivering dust ladened air into



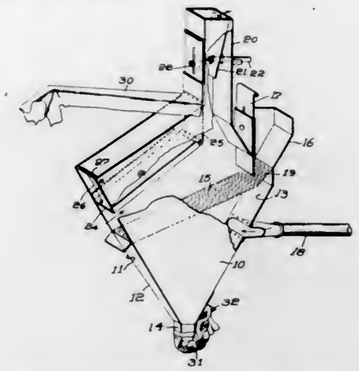
the upper portion of the drum with a downward movement whirling about the tube so that the particles of dust are thrown outwardly by centrifugal force away from the tube, and vanes extending outwardly from the tube to prevent whirling movement of the air adjacent the apertures and constructed to form dead air chambers at the entrance to the apertures.

1,509,912. DUST COLLECTOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed June 1, 1922. Serial No. 565,199. 14 Claims. (Cl. 183—54.)



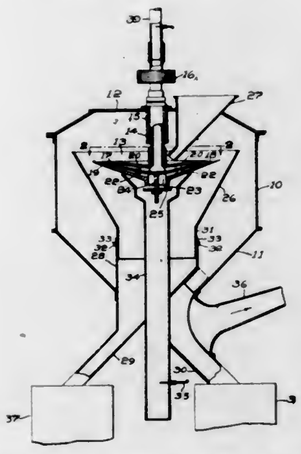
1. The process of treating dust laden air to separate the dust and air, which consists in passing the dust laden air into fabric tubes the mesh of which will permit the passage of air and substantially prevent the passage of dust, and producing a continuous suction of light character through the tubes to pull through the tubes the dust left in the tubes by the air that escaped through the mesh of the tubes.

1,509,913. DUST EXTRACTOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed July 3, 1922. Serial No. 572,375. 5 Claims. (Cl. 83—54.)



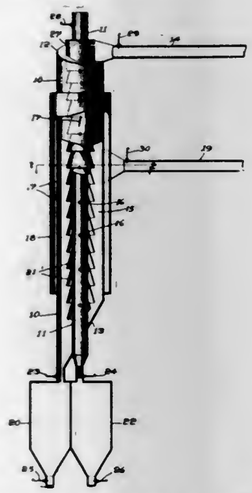
2. A dust extractor, comprising in combination, a casing having an apertured surface extending across the casing, a cover supported in spaced relation to said surface to provide an air passage between the cover and surface, means for drawing air into the passage through an end thereof to travel lengthwise of the passage, a hopper for delivering materials to the surface, means for forcing jets of air upwardly through the apertures of the surface to carry different particles of material upwardly into the passage to different degrees so that the lighter particles will be completely removed from the heavier particles and carried off by the air introduced through said end and traveling lengthwise of the passage, and means for supporting the cover in different positions of adjustment relative to the apertured surface to vary the area of said passage and the action of the air passing therethrough upon the materials lifted by the jets of air.

1,509,914. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed July 13, 1922. Serial No. 574,600. 7 Claims. (Cl. 83—54.)



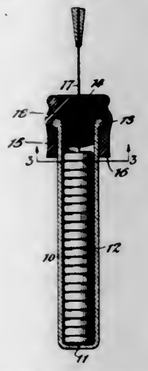
2. An air concentrator, comprising in combination, a rotary distributor having a disk adapted to throw outwardly materials delivered upon the upper face of the disk, a wall surrounding the distributor in spaced relation thereto, fan vanes secured to the lower face of the disk to throw air outwardly, and means having a surface inclined to the path traveled by the materials thrown outwardly by the distributor and adapted to direct the air in an inclined direction toward the material to deflect the lighter materials from the wall.

1,509,915. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Nov. 9, 1922. Serial No. 599,926. 7 Claims. (Cl. 83—54.)



1. A concentrator comprising, in combination, a container supported in a standing position, a tube mounted centrally within said container and having apertures therein along its length for the passage of fluid from the container into the tube, means for delivering a fluid bearing the materials to be treated into the upper portion of the container with a downward whirling movement about the tube to throw the heavier materials outward by centrifugal force away from the tube, and means for directing jets of a fluid inwardly through the walls of the container in substantially a tangential direction further to promote whirling movement of the material bearing fluid moving downwardly within the container.

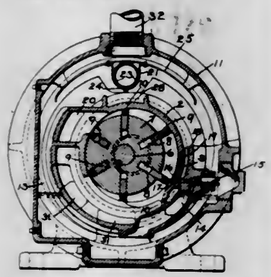
1,509,916. METHOD OF PRESERVING CONTENTS OF CONTAINERS. RALPH B. WAITE, Springville, N. Y., assignor to The Antidolor Mfg. Co., Springville, N. Y., a Corporation of New York. Filed Oct. 5, 1922. Serial No. 592,646. 1 Claim. (Cl. 99—8.)



The hereindescribed method of preserving articles susceptible of deterioration when exposed to air which consists in placing such articles in a receptacle having a rigid

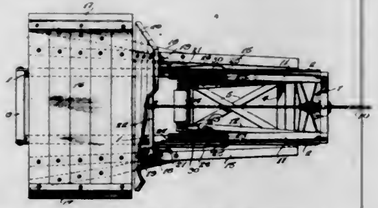
wall and an inlet, then mounting a closure of elastic material on said receptacle so that the same extends across and closes the inlet thereof, then passing a hollow needle inwardly through said closure so that the needle communicates with the interior of said receptacle, then applying an exhausting effect on the outer end of the needle so as to withdraw the air from said needle through said needle, and then withdrawing the needle from said closure and permitting those parts of the closure which have been separated by the needle during the perfecting operation to again come together due to the resilience of the closure and operate to seal the puncture.

1,509,917. ROTARY PUMP. HENRY H. WESTINGHOUSE, New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 8, 1922. Serial No. 573,680. 4 Claims. (Cl. 230—30.)



2. In a rotary fluid exhauster, the combination with a cylinder and a pump rotor in said cylinder for exhausting fluid, of means for lubricating the cylinder and a discharge nozzle mounted in axial alinement with the longitudinal axis of the cylinder for receiving fluid discharged from the exhauster having openings for permitting the outflow of fluid and ports through which oil separated from the fluid and deposited in the nozzle will drain.

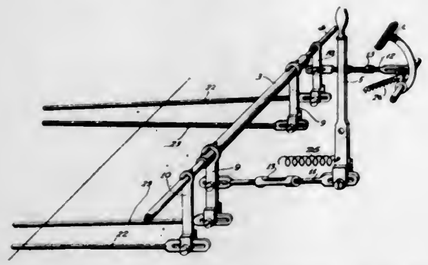
1,509,918. LOADER. WILLIAM B. WIESE, Howells, Nebr. Filed Apr. 9, 1923. Serial No. 630,765. 2 Claims. (Cl. 214—143.)



1. A loader comprising a base, an upright at one end of the base, braces secured to and extending between the upper end of the upright and the sides of the base, a frame rising from the base between said braces, a roller mounted at the upper end of said frame, lever arms pivoted to the base, a platform carried by the free ends of said arms, a back carried by the arms in cooperative proximity to the platform, a cross bar connecting said arms adjacent the back, guide rollers on the upright adjacent the upper and lower ends of the same, a hoisting cable secured to the cross bar and passing over the first-mentioned roller and about the guide rollers on the upright, and yieldable extensible connections between the braces and the cross bar.

1,509,919. DUPLEX BRAKE MECHANISM FOR MOTOR VEHICLES. ARTHUR AMEND, New York, N. Y. Filed June 11, 1921. Serial No. 476,959. 9 Claims. (Cl. 188—204.)

1. Duplex brake mechanism for motor vehicles embodying two pairs of brake spindles for operating the brakes of the associated car, an equalizer connected with each pair of brake spindles, links for connecting each spindle of each pair to the equalizer, a braking foot pedal, a braking hand lever, a rock shaft having link connection with the foot pedal and adapted to be oscillated when the foot pedal is operated, a rock shaft having link

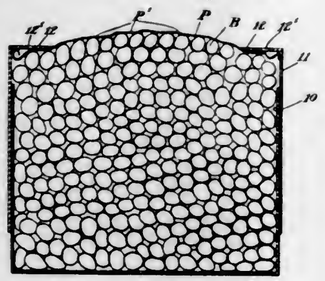


connection with the hand lever and adapted to be oscillated when the hand lever is operated, a rigid link operatively connecting the foot lever rock shaft to each equalizer and a rigid link operatively connecting the hand lever rock shaft with each equalizer, whereby all of the brake spindles may be operated from the foot pedal without operating the hand lever and vice versa.

1,509,920. PROCESS OF MAKING MOLDABLE FABRIC FOR VARIOUS USES. RAYMOND F. BACON, New York, and CLEO H. KIDWELL, New Brighton, N. Y., assignors to John Manning Van Heusen, Boston, Mass. Filed Nov. 2, 1922. Serial No. 598,694. 14 Claims. (Cl. 18—56.)

2. The method of molding or shaping knitted fabric, which consists in subjecting the fabric to the action of an acid, washing out the acid, placing the fabric while wet on a form of the desired shape, and drying the fabric while on the said form.

1,509,921. SHIPPING PACK. JOHN J. BEATON, Wareham, Mass. Filed Oct. 22, 1923. Serial No. 669,951. 4 Claims. (Cl. 206—44.)

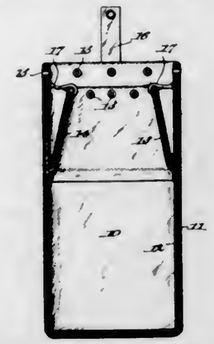


1. A unitary pack comprising a rectangular open top container and a surrounding shell slidably mounted thereon, and having a narrow flange at its upper edge adapted to overlie the margins of the container top and to have continuous progressive bearing on the contained fruit adjacent the margins of the container, a predetermined weight of berries disposed in said pack through the opening defined by said flange, and a flexible transparent sheet inserted over the top of the berries and having its edge tucked beneath said flange, said flanges having ventilating apertures formed therein.

1,509,922. SAFETY MAIL BAG. HUGO BELZ, New York, N. Y. Filed Dec. 17, 1921. Serial No. 523,101. 1 Claim. (Cl. 150—15.)

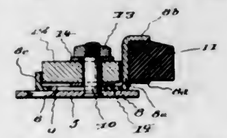
A bag having outer and inner closure members, each of said closure members having perforations spaced about the free edges, means carried by the inner sides

of the outer closure for engagement in the openings of the inner closure for holding the same in open position, and the respective openings of the inner and



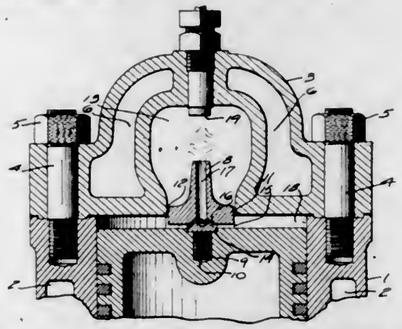
outer closures adapted to have locking means passed through their perforations to secure the respective closures in bag closing position.

1,509,923. WINDOW STOP AND ANTIRATTLER. HARRY H. BERRYMAN, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 611,519. 2 Claims. (Cl. 292—140.)



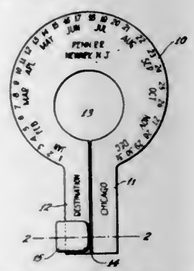
2. A window stop and anti-rattler comprising a longitudinally slidable bolt having one end portion provided with a laterally projecting portion having a socket and the other end portion provided with an abutment, a window contact element received in said socket, a base plate supporting said bolt, a pivot element carried by said base plate and extending through said bolt, a cam mounted on said pivot element and confined between said end portions of the bolt and having operating means, and spring washers mounted on said pivot element on opposite sides of said cam to hold the cam against accidental turning, one of said spring washers being confined between the cam and the bolt and holding the bolt against rattling.

1,509,924. INTERNAL-COMBUSTION ENGINE. CARL A. BJORNSSON, Wellsville, N. Y. Filed Oct. 26, 1922. Serial No. 596,940. 1 Claim. (Cl. 123—32.)



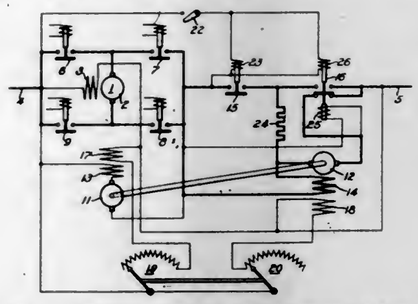
In an internal combustion engine, in combination: a working cylinder; a combustion chamber communicating therewith by a throat of relatively ample cross sectional area; a piston; a nozzle attached to the piston and having a flange approximating in cross section that of the throat and positioned to enter the throat upon a stroke of the piston prior to the completion of the piston's stroke, said nozzle formed with a duct and means communicating therewith forming a passage between the duct and the space in advance of the piston, the duct and the said means forming the sole passage for compressed air above the piston when the flange is within the throat and a fuel injection duct opening in the combustion chamber in a direct line with the first mentioned duct.

1,509,925. CAR SEAL. CYRUS R. BOSTWICK, Mariposa, N. Y., assignor of one-half to Henry Wallace, Glen Ridge, N. J. Filed Apr. 1, 1921. Serial No. 457,790. 3 Claims. (Cl. 40—2.)



1. A tag for the doors of freight cars, comprising a tag plate having an aperture therein, and two closely spaced tabs extending from adjacent portions of the periphery of said plate, the opening between the tabs extending to the aperture in the plate, the tag being made of a single piece of sheet metal of sufficient flexibility to permit overlapping of the outer ends of the tabs so that they may be sealed together, and means for securing the outer ends of the tags together when overlapped.

1,509,926. MOTOR-CONTROL SYSTEM. EDGAR M. BOUTON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 11, 1922. Serial No. 593,664. 10 Claims. (Cl. 172—179.)



3. The combination with an electric motor having an armature and a source of power therefor, of an auxiliary motor-generator set having its armatures connected electrically, means for connecting the armature of said motor in circuit with said motor-generator set, and means controlled in accordance with the speed of said motor for rendering said motor independent of said motor-generator set.

1,509,927. CAN OPENER AND PARING KNIFE. ROBERT H. BOWERS, Nashville, Tenn. Filed Mar. 24, 1922. Serial No. 546,466. 1 Claim. (Cl. 30—3.)

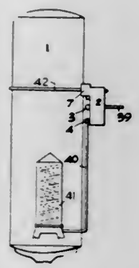
An implement of the class described, comprising a thin blade, a handle formed by doubling one end of the

blade upon itself so that the flat sides come in contact, a stud through said handle provided with an enlarged head, said blade having a sharp front edge, and a straight blunt back terminating with a short sharp



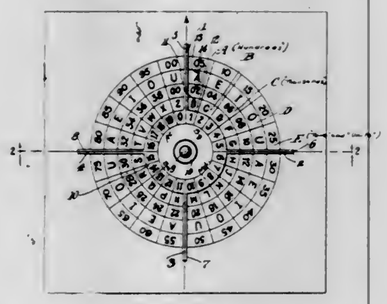
edge forming a lancet point with said front edge, said front edge having an ogee adjacent said lancet point and tapering away from said back making the width of the blade greatest close to the handle.

1,509,928. THERMOSTATIC CONTROLLING DEVICE FOR HOT-WATER-BOILER HEATERS. WILLIAM ROBERT BREEDS, Toronto, Ontario, Canada. Filed Feb. 28, 1921. Serial No. 448,535. 2 Claims. (Cl. 236—48.)



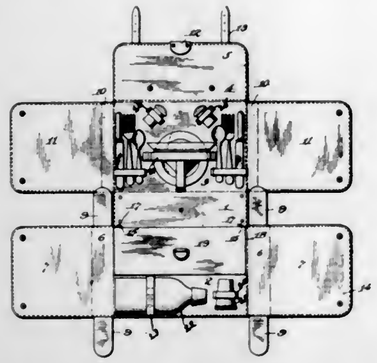
1. In thermostatic controlling devices for hot water boiler heaters, the combination with a gas inlet valve for the heater and a valve casing, of a thermostatically actuated lever pivoted in the casing, a swingable trigger journalled intermediately of the length of the casing, spring connecting means between the trigger and the free end of the lever, an intermediately journalled beam in the casing having one end pivotally connected to the valve and the other end constituting a ring into which the trigger is inserted, and spring means for normally holding the valve seated.

1,509,929. CRYPTOGRAPHIC APPARATUS. ARMANDO C. CABALLERO, New York, N. Y., assignor to The Universal Coding System Co. Ltd., Valparaiso, Chile, a Corporation of Chile. Filed Sept. 21, 1920. Serial No. 411,700. 12 Claims. (Cl. 35—13.)



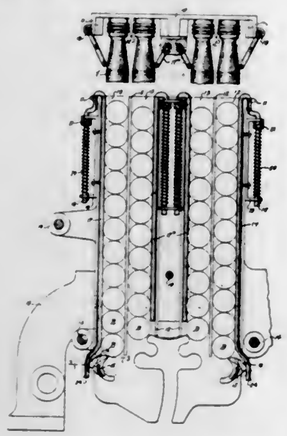
1. In apparatus of the class described, a device having subdivisions corresponding respectively to certain collocations of signs and having other subdivisions containing signs and figures for translating a number into signs and vice versa.

1,509,930. LUNCH KIT. BENJAMIN CHARSKY, Brooklyn, N. Y. Filed July 1, 1921. Serial No. 481,840. 4 Claims. (Cl. 206—4.)



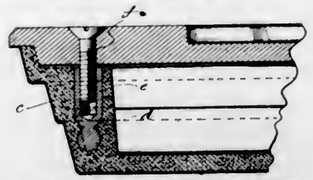
1. In a kit holder: the combination with an envelope of pliant material having a central portion adapted to form the bottom and side members, and projecting flaps adapted to form the top and end members of a substantially rectangular receptacle produced by folding said envelope; of a rigid rectangular container and brackets secured to the envelope, said brackets having attaching means adapted to unite with complementary attaching means on the container, whereby said container is positioned and secured with edges coincident with fold lines defining the bottom of said receptacle.

1,509,931. BOBBIN-HOLDING DEVICE FOR STATIONARY MAGAZINES. ALEXANDRE COMPAGNA, Biddeford, Me., assignor to Crampton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1923. Serial No. 675,002. 5 Claims. (Cl. 139—245.)



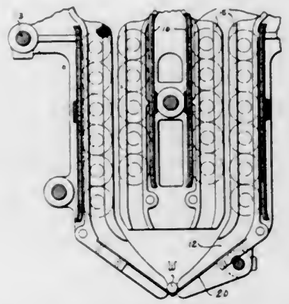
1. In a loom, a weft carrier magazine having a plurality of weft carrier compartments, holding devices extending alongside said compartments and adjacent the weft carriers, and movably mounted members for supporting and releasing said weft carriers, said members directly engaging said holding devices and each member moving its associated holding device to inoperative position when releasing a weft carrier from its magazine compartment.

1,509,932. REFRIGERATOR LINING. LLOYD G. COPEMAN, Flint, Mich. Filed Mar. 5, 1923. Serial No. 623,045. 7 Claims. (Cl. 20—35.)



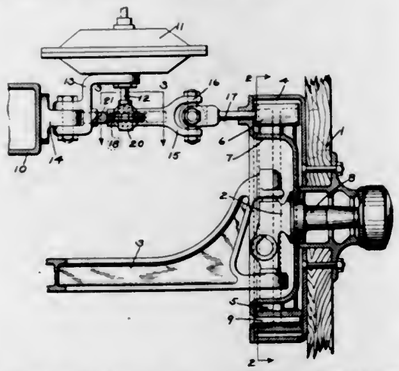
1. In a container construction, the combination of an outer panel, and a stonework lining therefor, comprising a separate hollow tile secured to the outer panel.

1,509,933. WEFT-REPLENISHING MECHANISM. JAMES R. COPLAND, Danville, Va., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1921. Serial No. 514,060. 5 Claims. (Cl. 139—245.)



1. In a weft replenishing mechanism, a magazine having a plurality of vertical compartments, means to position a plurality of weft carriers in vertical series in said compartments, and a vertically disposed friction plate extending substantially the entire height of each compartment and adjacent each vertical series of weft carriers, said friction plate yieldingly engaging said carriers to prevent vibratory movements thereof.

1,509,934. MOTOR VEHICLE BRAKE. JOHN F. CRAIG, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 22, 1922. Serial No. 589,763. 2 Claims. (Cl. 188—152.)



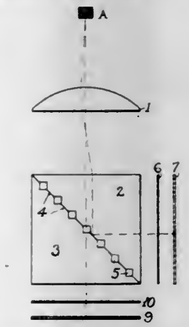
1. In a motor vehicle, the combination with a vehicle frame and a fluid pressure brake chamber mounted on said frame, of a vehicle front wheel, a rotating brake member carried by said wheel, a stationary brake member for engaging the rotating brake member, an operating connection between said brake chamber and said stationary brake member, and a universal joint in said operating connection.

1,509,935. EXPLOSIVE AND PROCESS OF ITS MANUFACTURE. WILLIAM M. DEHN, Seattle, Wash. Filed Sept. 16, 1922. Serial No. 588,708. 12 Claims. (Cl. 52—14.)

1. The process of manufacturing an explosive composition of plant tissue, ammonium nitrate and an alkali metal nitrate, which comprises distributing the alkali metal nitrate in minute and intimate contact with sufficient plant tissue impregnated with ammonium nitrate.

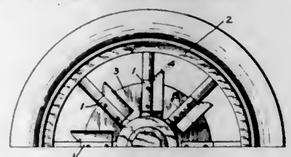
11. The explosive comprising 1–4 parts of powdered sodium nitrate mechanically mixed with 1.5–6 parts of comminuted plant tissue impregnated with 3–7 parts of ammonium nitrate.

1,509,936. DEVICE FOR PRODUCING DUPLICATE IMAGES ON PHOTOGRAPHIC FILMS. LEON F. DOUGLASS, Menlo Park, Calif. Filed Feb. 25, 1924. Serial No. 694,931. 4 Claims. (Cl. 88—1.)



1. A device for producing duplicate images of one object on two sensitized films, comprising two large-angle prisms located behind a camera lens with their large faces mutually engaged and provided with a plurality of parallel depressions extending parallel with each other along the said large faces of the prisms and a plurality of reflecting surfaces located between the depressions.

1,509,937. BRAKE-COOLING DEVICE. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 11, 1922. Serial No. 535,764. 2 Claims. (Cl. 188—264.)

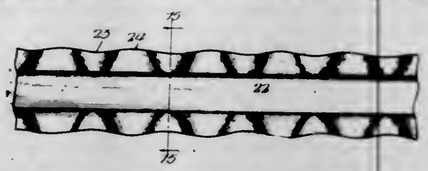


1. The combination with a motor vehicle wheel having a brake drum, of radially disposed fan blades associated with the wheel and axially extending vanes for generating and deflecting air currents to the brake drum.

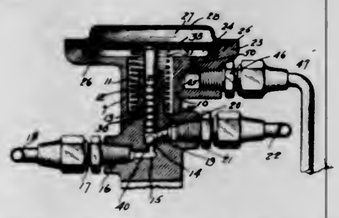
1,509,938. PROCESS FOR MAKING RUBBER-TIRE ARTICLES AND THE LIKE. JOHN L. G. DYKES, Chicago, Ill., assignor to Dykes Tire Machinery Company, Washington, D. C., a Corporation of Delaware. Filed Sept. 25, 1919. Serial No. 326,194. 6 Claims. (Cl. 154—2.)

1. The process of making an article of the class described, comprising the stretching of sheet material

along the edge thereof without stretching the body of the material inside said stretched edge portion, to permit curvature of said material with the edge extending outwardly of the curve.



1,509,939. MEANS FOR CONTROLLING FLUIDS UNDER PRESSURE. JACOB G. ELKIN, New York, N. Y., assignor to Willis D. Sprague, New York, N. Y. Filed Sept. 24, 1921. Serial No. 503,075. 4 Claims. (Cl. 137—153.)



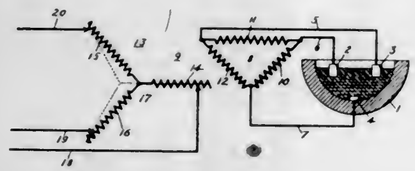
1. A control valve for lubricating systems comprising a body portion provided with a longitudinally extending passageway, a transverse passageway intersecting said longitudinal passageway, a ball loosely mounted in the longitudinal passageway and adapted to close the transverse passageway, a stem slidably mounted in the longitudinal passageway and adapted to limit the movement of said ball in said longitudinal passageway, a diaphragm connected to said stem and adapted to depress the latter upon creation of vacuum on one side of said diaphragm, means for creating a vacuum to cause a movement of the diaphragm, and a spring surrounding said stem and exerting pressure upon the diaphragm to move the same in a direction opposite to the direction in which the diaphragm is moved by the creation of a vacuum, as and for the purpose set forth.

1,509,940. BOTTLE HOLDER. LILYAN M. ELLIOTT, San Diego, Calif. Filed June 21, 1923. Serial No. 646,938. 3 Claims. (Cl. 215—100.)



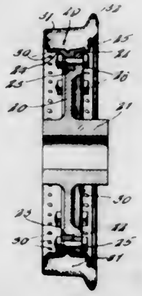
1. A circular member of metal or other flexible material lined with rubber or cork, a hollow locking member hinged to one end of said circular member and having a bar on its inner periphery and a tongue having a plurality of transverse grooves and notches, fixed to and forming a part of or continuation of said circular ring member, adapted to fit into the hollow locking member and be locked in position by a thumb screw positioned on the outer periphery of the said hollow locking member substantially opposite said bar.

1,509,941. ELECTRIC-FURNACE-BALANCING SYSTEM. ROBERT D. EVANS, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 13, 1918. Serial No. 234,137. 12 Claims. (Cl. 204—64.)



9. The combination with an electric furnace, and a polyphase supply system therefor, said furnace operating in such manner that an unbalanced load is imposed on said supply system, of a transforming aggregate interposed between said furnace and said supply system, the primary and secondary phases of said transforming aggregate being so connected and so inductively interlinked as to cure the unbalanced conditions imposed on said polyphase supply source.

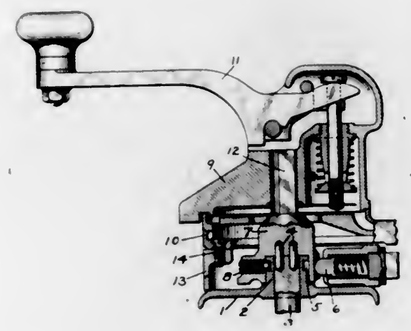
1,509,942. CAR WHEEL. EMERY H. FAHRNEY, Chicago, Ill. Filed Feb. 26, 1923. Serial No. 621,131. 4 Claims. (Cl. 295—20.)



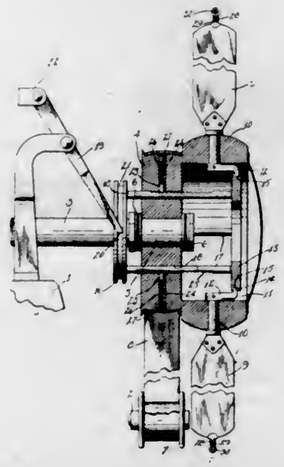
2. A car wheel construction embodying a hub and web formed of pressed metal, a felly formed of pressed metal and detached from the wheel, a rim cast upon the felly, interengaging means between the rim and felly to prevent relative circumferential movement of the rim and felly, and means for detachably securing the felly to the said web.

1,509,943. SAFETY CONTROLLER HANDLE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Dec. 1, 1921. Serial No. 519,170. 1 Claim. (Cl. 74—33.)

The combination with an electric motor controller having means for receiving the usual controller handle, of an extension shaft constructed for application in place of the usual controller handle and provided with a key section, and a safety controller handle unit having a key aperture for receiving the key section of the extension shaft.



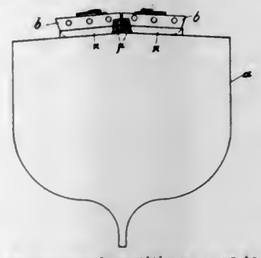
1,509,944. DEVICE FOR CONTROLLING THE HEAT OF INTERNAL-COMBUSTION MOTORS. JOSEPH O. FORGETTE and RICHARD LEGOIS, Hartford, Wis. Filed Apr. 21, 1923. Serial No. 633,792. 3 Claims. (Cl. 170—163.)



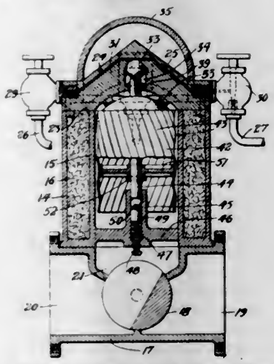
1. A device of the type described comprising a housing adapted to be rotated, blades carried by said housing, said blades being adapted to rotate on their longitudinal axes, means for swinging said blades into any angle desired, means for locking said blades in adjusted position, and means connecting the outer ends of said blades together.

1,509,945. SHIP'S CABIN. JOSEF FUCHS, Schwyz, Switzerland. Filed June 3, 1922. Serial No. 565,663. 1 Claim. (Cl. 9—12.)

Buoyant ship cabins in the form of decked boats shaped so that, when placed stern to stern and side to side on a ship's deck, the decks of the boats combine into a continuous surface, the internal top corners of the boats being divided off by curved partitions so as to form watertight bulk heads.

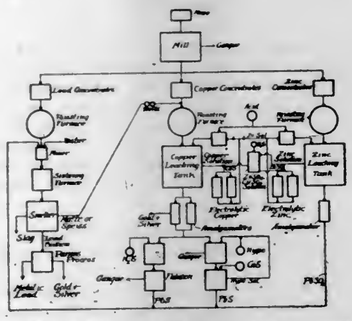


1,509,946. CARBURETOR. EDWARD G. GAGE, South Norwalk, Conn., assignor of one-half to Alexander Chandler, New York, N. Y. Filed Nov. 7, 1917. Serial No. 200,673. 6 Claims. (Cl. 261—18.)



1. In a kerosene vaporizing and mixing device, a hollow casing; a roughened rotating member located within said casing and moving in close proximity with the inner surface thereof, whereby a thin passage of large superficial area is provided between the said rotating member and the adjacent inner surface of said casing a support for said member: air and fuel supply passages leading into said casing; a vertically movable valve controlling said passages and operatively associated with said support and a mixture outlet passage leading from said casing.

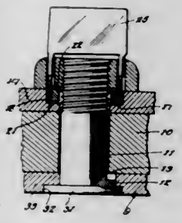
1,509,947. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed July 22, 1921, Serial No. 486,817. Renewed Aug. 28, 1923. 26 Claims. (Cl. 204—15.)



1. A metallurgical process comprising concentrating ores containing copper and zinc into a concentrate relatively high in copper and low in zinc and a concentrate

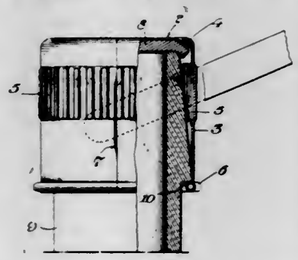
relatively high in zinc and low in copper, separately roasting the copper and the zinc concentrates, repeatedly applying an acid solution to the roasted copper concentrate to extract the copper and the zinc, repeatedly precipitating the copper from the resulting copper leach solution, and then when the solution becomes charged with zinc from copper leaching applying the solution to the roasted zinc concentrate.

1,509,948. NUT LOCK. CHARLES W. HALL, Princeton, W. Va. Filed June 22, 1923. Serial No. 647,051. 1 Claim. (Cl. 151—41.)



The combination of a plurality of members to be connected, a bolt inserted through the members, one of the members having an annular recess in its outer side concentric with the bolt and provided with longitudinal grooves in the annular wall of said recess, a nut fitted on the end of the bolt over said recess and provided on its inner side with an annular series of ratchet teeth, a ring fitted in the recess around the bolt, peripheral lugs on said ring engaging the grooves in the annular wall of the recess, ratchet teeth on the upper side of said ring meshing with the ratchet teeth on the nut, and a split spring washer seated in the recess below and bearing against the ring to hold it to the nut, the nut having key-receiving openings therethrough and the ring having a marginal portion radially beyond the ratchet teeth to be engaged by the key.

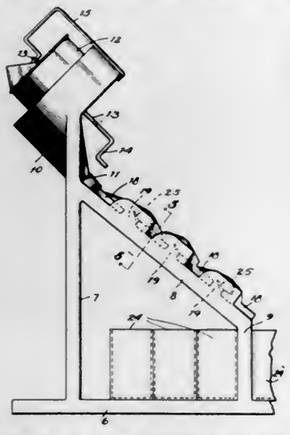
1,509,949. CATCHUP CAP. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Jan. 6, 1923. Serial No. 610,983. 5 Claims. (Cl. 215—38.)



1. A metal cap adapted for use with a container having a shoulder and comprising a top and a depending flange having a curled, beaded or rolled lower edge insettable under the shoulder of the container and functioning as the holding element of the cap, said curled edge being spaced from the neck of the container to permit the insertion of a coin under the container shoulder, whereby the cap may be coin removed and thereafter snapped on.

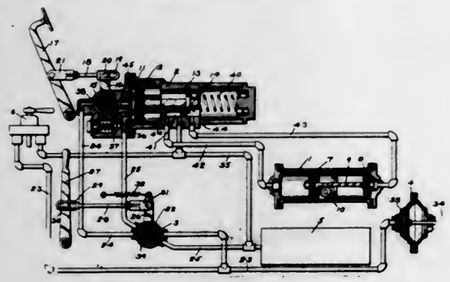
1,509,950. COIN SORTER. JESSE D. HEDRICK, Marion, Ind. Filed Feb. 13, 1924. Serial No. 692,489. 6 Claims. (Cl. 133—3.)

1. In a coin sorter in combination, an inclined chute having a slideway at one side thereof down which coins slide flatwise and a flange provided with openings at the inner edge of the slideway, and a series of baffles adjacent the openings successively, each baffle consisting of a curved member having a spiral upper edge extending over the slideway at a sufficient height above the same to tilt the coins to edgewise position, the upper end of said edge



rising from the floor of the slideway, whereby coins will ride up said edge and be tilted thru the openings, the said upper ends of the successive baffles being positioned at decreasing distances from said flange.

1,509,951. BRAKE AND DOOR CONTROL. HENRY D. HUKILL, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1924. Serial No. 685,565. 14 Claims. (Cl. 303—6.)



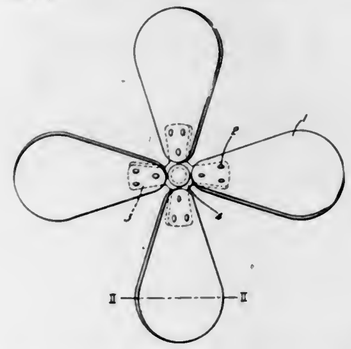
1. In a vehicle brake and door controlling mechanism, the combination with a fluid pressure brake and means operated by fluid under pressure supplied in operating the brakes for controlling a vehicle door, of manually controlled means for controlling communication through which fluid is supplied to said door controlling means.

1,509,952. ERASER SUPPORT. MERRILL M. HUNTING, Chicago, Ill. Filed May 18, 1922. Serial No. 561,893. 1 Claim. (Cl. 120—36.)



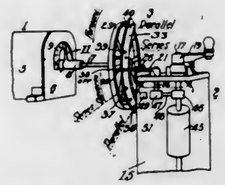
A device of the character described comprising a stirrup for removably supporting an eraser, a split ring adapted to fit the finger of a human hand, and a flexible stem for movably supporting said stirrup on said ring whereby said stirrup will normally lie in close contact with the palm of said hand.

1,509,953. FAN. CHARLES W. JOHNSON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1918. Serial No. 268,792. 5 Claims. (Cl. 170—159.)



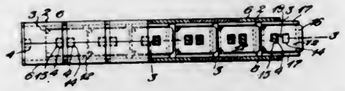
1. A fan including a hub and a plurality of fan blades secured thereto, the blades each comprising fibrous material impregnated with a hardened binder.

1,509,954. CONTROL APPARATUS. HOWARD H. JOHNSTON, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 11, 1919. Serial No. 281,933. 14 Claims. (Cl. 200—18.)



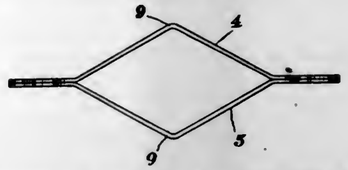
1. The combination with two rotatable members having transversely extending axes, of single operating means for one of said members, and multi-position means rigidly secured to the other member for directly interlocking with said single operating means in various positions of said multi-position means to prevent movement thereof.

1,509,955. ADJUSTABLE STRAP OR BAND. CHARLES H. KESTENMAN, Providence, R. I., assignor to Kestenman Brothers Mfg. Co., Providence, R. I., a Partnership consisting of Abraham Kestenman and Charles H. Kestenman. Filed May 31, 1924. Serial No. 716,904. 4 Claims. (Cl. 59—80.)



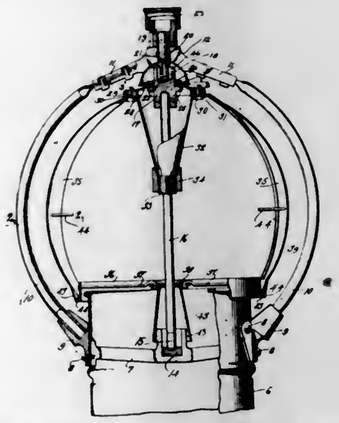
3. In an article of the type specified, the combination of tubular main link-members folded from strips of sheet-metal with the edges thereof forming a butted seam on the under side of the link with lugs bent inwardly from the ends of the folded portions and abutting to provide prongs projecting part way across the openings at the ends of the links, and inner box-like link-members formed from strips of metal folded to provide opposite parallel sides and having a flap extending from one end and bent upwardly and across between the sides with spaced slots pierced therethrough and adapted to be sprung into engagement with the prongs at the opposite ends of the main links to connect the latter in a band or chain.

1,509,956. SOUNDING TOY. LEONARD F. KIPP, Council Bluffs, Iowa. Filed Apr. 29, 1922. Serial No. 557,268. 1 Claim. (Cl. 46—46.)



A sounding toy comprising a pair of strips of flexible material, said strips being relatively thin and long and secured together in superposed relation at their opposite ends, the intermediate portions of said strips being unattached and free of each other and the median portions thereof being crimped in opposite directions with the inner sides of the creases facing each other to produce a normal tendency for said intermediate portions to separate, said superposed strips being adapted to be drawn suddenly taut for slapping said intermediate portions of the strips together and producing the desired sound, the interfastened ends of the strips being relaxed for permitting return of the intermediate portions to open position.

1,509,957. VETILATING DEVICE. EDWARD J. KRUEGER, Milwaukee, Wis. Filed May 6, 1921. Serial No. 467,385. 3 Claims. (Cl. 98—2.)

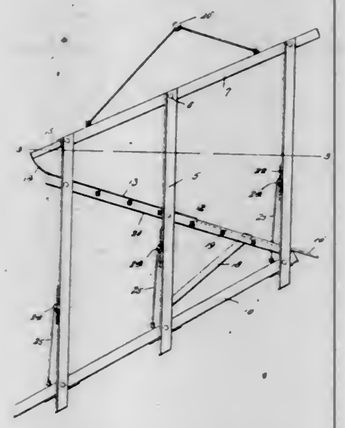


1. In a device of the class described, the combination with an air shaft, of means for creating a suction at the mouth of said shaft and comprising a spider member secured in said shaft near its mouth and having a recess in axial alinement with the shaft, a bracket member disposed above the mouth of the shaft, said bracket member having a threaded bore in axial alinement with the shaft, a pintle in threaded engagement with said bracket bore, a rod having its lower end journaled in the recess of said spider member, a socket bearing member carried by the upper end of said rod for receiving the pintle, said pintle having a passage extending therethrough and communicating with the socket bearing member, a lubricant supply communicating with said passage, and vanes carried by said rod.

1,509,958. ROCK-REMOVING ROAD DRAG. VALMAH R. KUHNES, Ringling, Mont. Filed Nov. 21, 1923. Serial No. 676,121. 4 Claims. (Cl. 37—143.)

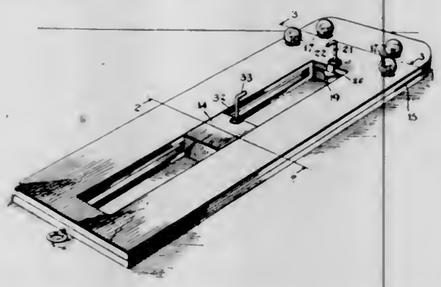
1. A road levelling and rock removing drag comprising a forward digging and scraping blade, a rear levelling blade, said forward and rear blades being arranged in parallel spaced relation obliquely to the line of travel of

the drag, an intermediate blade extending at its forward end beyond the rear end of the forward blade, and at its rear end beyond the forward end of the levelling blade, said intermediate blade being obliquely disposed



in an opposite direction to the direction in which the forward and rear blades extend and embodying a rear sifting section through which dirt may pass and by means of which rocks are caused to be conveyed to one side of the road.

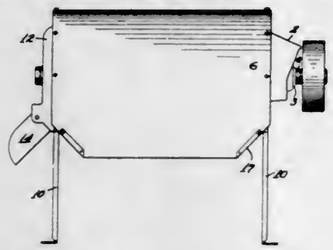
1,509,959. TESTING DEVICE FOR DRY BATTERIES. DAVID WILLIAM LANDES, Portland, Oreg. Filed June 16, 1921. Serial No. 477,962. 6 Claims. (Cl. 175—183.)



6. A test unit including a base, a channel guideway, a contact member upstanding between the side walls of said guideway and at one end thereof, a contact upon said base and exposed within said guideway, an indicating means connected with said member and said contact, and a contacting member slidably supported within said guideway adapted to cooperate with said contact whereby a battery may be accommodated between the members closing a circuit therethrough and through said indicator.

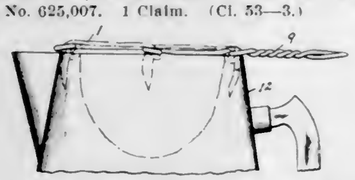
1,509,960. ROTARY BOLTER. JOHN HOLLAND LETZ, Crown Point, Ind., assignor to Letz Manufacturing Co., a Corporation of Indiana. Filed Nov. 20, 1922. Serial No. 602,075. 4 Claims. (Cl. 83—50.)

1. In a device of the class described, a stationary cylindrical screen, sheet metal joining strips interlocking with the edges of said screen to reinforce the same, reinforcing bars arranged in contact with the screen below the center of said screen axis, end members secured to said screen, charging and discharging chutes in said end members, a plurality of interlocking beater arms on said shaft whereby only one of which need be fastened



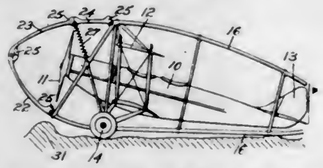
to said shaft, and a one-piece cover over said screen fastened to the end members and formed into a collecting chute beneath said screen.

1,509,961. DRIP-COFFEE-MAKING DEVICE. CHARLES TILGHMAN LONG, Eureka, Calif. Filed Mar. 14, 1923. Serial No. 625,007. 1 Claim. (Cl. 53—3.)



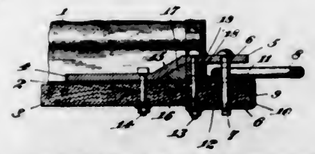
A bag holding device of the character described, formed from a single strip of wire rounded upon itself to provide a ring, a plurality of loops forming rings and being arranged at equi-distantly spaced intervals in the periphery of the rounded portion, said wire at the intersection of the rounded portion being further rounded in an opposite direction from the first mentioned rounded portion to provide a loop disposed diametrically opposite a centrally disposed loop of the first mentioned rounded portion, said wire having its strands from the second mentioned rounded portion twisted upon themselves and thence being arranged in diverging relation and further rounded upon themselves so as to bring the ends into confronting engagement to provide a handle and a nail receiving means whereby the device may be supported, and said loops being adaptable to receive a bag as and for the purpose specified.

1,509,962. AIRPLANE SAFETY CAGE. WILLIAM A. LORENZ, Hartford, Conn. Filed Apr. 4, 1921. Serial No. 458,248. 3 Claims. (Cl. 244—30.)



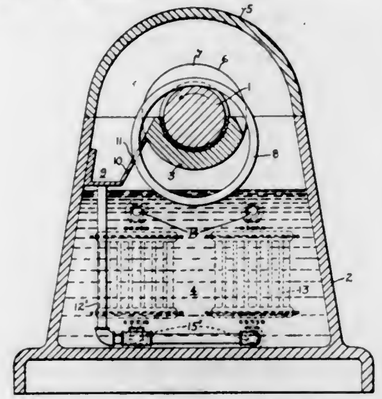
1. The combination with an airplane of a protecting frame comprising a pair of rails extending longitudinally of the plane above the wings from in front of the propeller to back of the rudders, a pair of rails extending longitudinally of the plane below the fuselage from in front of the propeller to back of the rudders, said pairs of rails being a greater distance apart than the diameter of the propeller and the spread of the rudders, braces connecting said pairs of rails in front of the propeller and braces connecting said pairs of rails in back of the rudders, whereby the propeller, fuselage and rudders are entirely within and protected by said frame.

1,509,963. MINE CAR. JOHN C. H. LUBKEN, Johnstown, Pa. Filed Aug. 27, 1921. Serial No. 496,121. 3 Claims. (Cl. 213—220.)



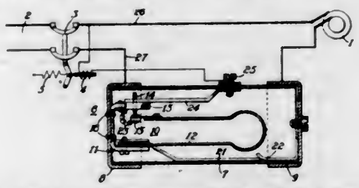
1. A car provided with a draw bar mounted and secured to the upper surface of the floor thereof, having upwardly bent end portions, a spacer block inserted and secured between the car floor and the inner portion of the bent-up end of the draw bar and of shape and having a tapered inner end conforming to the draw bar and the car floor.

1,509,964. BEARING-COOLING DEVICE. ROY A. MCCARTY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,670. 13 Claims. (Cl. 64—28.)



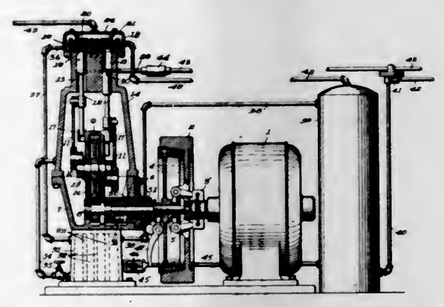
1. A bearing cooling device comprising a bearing, a substantially horizontal shaft co-operating therewith, a reservoir adapted to contain a body of lubricant, substantially below the plane of the shaft, and self actuated circulating means for cooling the lubricant contained in said reservoir.

1,509,965. THERMAL RELAY. ALLIS M. MACFARLAND, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 17, 1920. Serial No. 404,064. 7 Claims. (Cl. 200—113.)



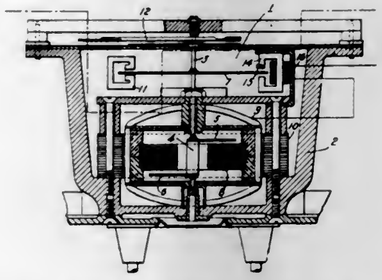
1. A thermal relay comprising a tubular member of insulating material, ferrules disposed at the respective ends thereof, a supporting member disposed on one ferrule, a bimetallic member disposed on the supporting member and looped back to permit a relatively long element to be disposed within a space of predetermined length, means for connecting one end of the bimetallic member to the opposite ferrule, and a contact member controlled by the bimetallic member.

1,509,966. REFRIGERATING APPARATUS. GEORGE MCFARLAND, Fort Madison, Iowa. Filed June 9, 1921. Serial No. 476,251. 1 Claim. (Cl. 230—6.)



In a refrigerating apparatus the combination of a compressor base, a cylinder carrying frame mounted thereon, a gear housing carried by the base and projecting above the joint between it and the cylinder carrying frame, a shaft journalled in the gear housing, cranks carried by the shaft, a gear carried by the shaft, cylinders carried by the cylinder carrying frame, plungers in the cylinders, plunger guides carried by the gear housing and in line with the cylinders and guiding the plungers, connections from the plungers to the cranks of the shaft, a driving pinion below the shaft, a driver shaft for the pinion, and means for driving the last mentioned shaft.

1,509,967. ELECTRICAL-MEASURING INSTRUMENT. PAUL MACGAHAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,161. 7 Claims. (Cl. 172—245.)



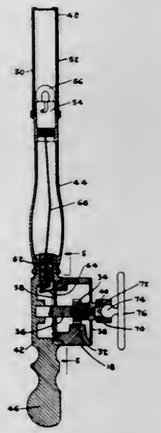
1. In a power-factor meter, the combination with a movable member, polarized members thereon, windings for actuating the polarized members, and a disk armature on the movable member, of means for actuating the armature to compensate for effects on the movable member caused by current and frequency changes.

4. In a power-factor meter, the combination with a movable member, windings for actuating the same and means connected thereto, of means connected to the windings for cooperating with said means to neutralize the drag effects on the movable member incident to changes in current and frequency in the windings.

1,509,968. VISIBLE SIGNAL FOR MOTOR VEHICLES. FRANK J. MACK, Minneapolis, Minn., assignor to Mack Manufacturing Company, Incorporated, Minneapolis, Minn., a Corporation. Filed May 4, 1922. Serial No. 558,340. 2 Claims. (Cl. 116—51.)

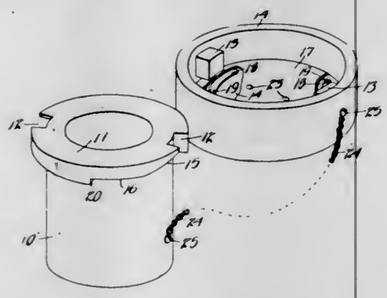
1. A signal for motor vehicles comprising a support adapted to be secured to a wind-shield post of the vehicle, a sleeve secured to said support so as to extend outwardly therefrom, a bearing member secured to the

outer end of said sleeve, a shaft rotatably mounted in said bearing member, an indicating arm secured to the outer end of said shaft, a pinion secured to the inner end of said shaft, a bar slidably mounted in said sleeve and having a rack portion on its outer end in mesh with said pinion, a spring pressed ball mounted in said bearing member, and adapted to engage in any one of



a number of depressions in said outer end for holding said indicating arm in different positions into which it is moved, an operating shaft rotatably mounted in said support, a pinion on the inner end of said operating shaft in mesh with a rack portion on the inner end of said bar, and a handle on the outer end of said operating shaft.

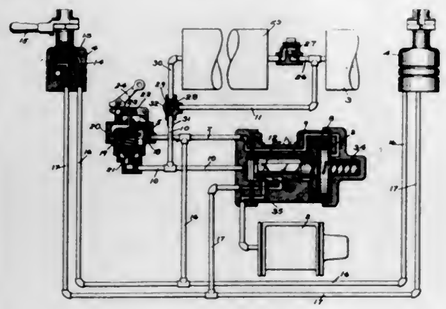
1,509,969. CAP FOR TANKS. CHARLIE H. MARTIN, Danville, Ind. Filed Apr. 9, 1923. Serial No. 630,900. 9 Claims. (Cl. 220—44.)



1. A closure for automobile tanks comprising a tube extending from the tank, a radial flange on the tube, a cap having internal lugs adapted to engage underneath the flange and springs on the inner face of the cap opposite said lugs adapted to press said flange against the lugs for preventing dislodgment of said cap, substantially as set forth.

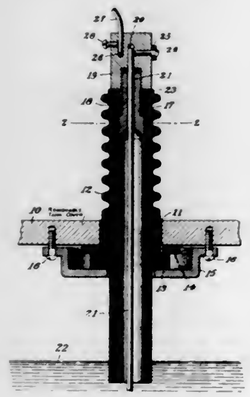
1,509,970. FLUID PRESSURE BRAKE. GEORGE H. MARTIN, Newtonville, Mass., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1923. Serial No. 675,247. 6 Claims. (Cl. 303—85.)

1. The combination with a source of fluid under pressure and an emergency valve device operated upon a reduction in fluid pressure for supplying fluid from said source to effect an application of the brakes, of an additional source of fluid pressure and means for connecting



said additional source of fluid pressure to the emergency valve device upon failure of supply from the first source of pressure.

1,509,971. INSULATED TERMINAL FOR ELECTRICAL APPARATUS. RALPH D. MERSHON, New York, N. Y. Filed Jan. 8, 1920. Serial No. 350,183. 11 Claims. (Cl. 173—311.)



1. The combination with a tank for containing an electrolyte and having an opening in a wall thereof, of sealed means for electrical connection between the inside and outside of the tank, comprising an insulating bushing extending through the opening and into the electrolyte and sealed to the wall, a conducting member sealed on the outer end of the bushing for connection with an external circuit, and an electrical conductor extending from within the tank through the bushing and into electrical connection with said conducting member, said bushing and conductor being spaced apart a substantial distance at the inner end of the bushing and throughout the major portion of the length of the latter.

1,509,972. AVOCADO-PICKING BAG. HAMILTON MICHELSEN, Miami, Fla. Filed Dec. 18, 1923. Serial No. 681,344. 2 Claims. (Cl. 56—339.)

1. A fruit picking apparatus including a single piece of material bent to provide an open bag mounting frame comprising opposing side members and terminal ends lying in parallel relation opposite to each other, one end of the frame having a relatively narrow throat, the opposing frame side members intermediate the throat and terminal ends being outwardly curved, a bag provided

with a mouth, the free edges of said bag mouth being each formed with an open ended frame receiving recess, one end of said bag being opened downwardly from the



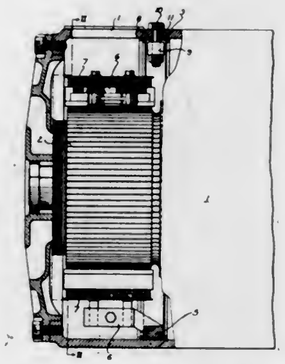
mouth to permit the bag to be positioned on the frame by longitudinal movement of one of the frame members through each of the frame receiving recesses, and a handle to which the terminal ends of the frame are secured.

1,509,973. GARMENT. LOUIS MILLER, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,616. 2 Claims. (Cl. 128—284.)



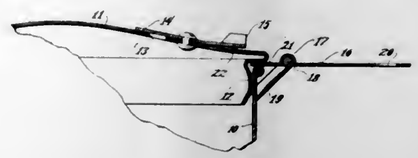
1. A diaper comprising a flexible washable single ply sheet folded to provide a substantially rectangular multiple ply pad, adapted to be folded to embrace the thighs, the outer face of said pad having cords at opposite sides adjacent one edge and a cord keeper adjacent the opposite edge intermediate the sides thereof, said cords being adapted to cooperate with each other to fold said first mentioned edge around the trunk and to cooperate with said keeper to retain said second mentioned edge in place.

1,509,974. BRUSH-HOLDER ROCKER RING. BENJAMIN S. MOORE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 20, 1921. Serial No. 438,566. 3 Claims. (Cl. 171—324.)



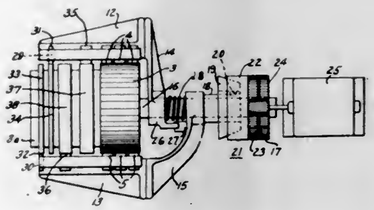
1. In a commutator-type dynamo-electric machine, the combination with the frame thereof, of means for providing, in effect, an annular channel therein, a split brush-holder rocking ring rotatably mounted in said channel, and means engageable with said frame only at a predetermined point for coacting with the split ends of said ring and expanding said ring into interlocking engagement with said channel, whereby the brush-holder ring may be readily moved to a temporary position and restored to normal position without loss of adjustment of the commutating brush axis.

1,509,975. COOKING VESSEL. RAY J. MORGAN, Chicago, Ill., and ROBERT H. WENTORF, West Bend, Wis., assignors to West Bend Aluminum Company, a Corporation of Wisconsin. Filed June 27, 1921. Serial No. 480,702. 1 Claim. (Cl. 53—1.)



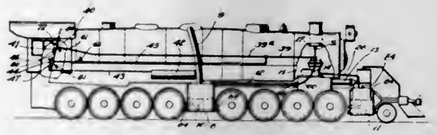
The combination with a cooking vessel, of a cover, a support carried by said vessel, an arm detachably supported by said support, a loop formed intermediate the ends of said arm and adapted to embrace said support, one end of said arm being adapted to lie between said cover and said vessel.

1,509,976. RHEOSTAT. NORMAN E. NORTH, Cantley, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 1, 1922. Serial No. 548,748. 6 Claims. (Cl. 219—35.)



1. A rheostat comprising a resistance element arranged in a loop; and a plurality of relatively movable contact members for shunting said element, and means for continuously moving said contact members over said element to effect uniform heating of said element.

1,509,977. LOCOMOTIVE. JOHN E. OSMER, Owosso, Mich., assignor of one-half to Frederick H. Smith, Columbus, Ohio. Filed Aug. 18, 1921. Serial No. 493,351. 66 Claims. (Cl. 188—99.)

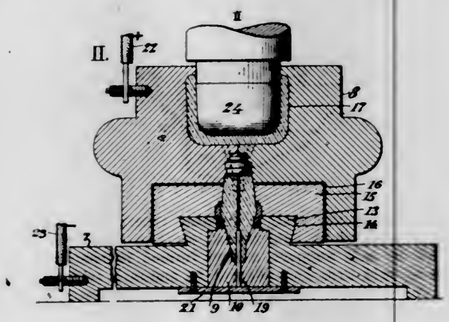


1. In a locomotive, the combination with a cylinder having a piston and an exhaust passage leading from the cylinder, of a valve means for closing said passage and operable in the direction of exhaust pressure to permit the escape of the latter, and pressure-fluid-actuated means operable to hold said valve means closed whereby to cause exhaust pressure to build up in the cylinder so as to exert a retarding or braking force upon the piston.

1,509,978. MOLD. EMILIO PASCUCCI, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Apr. 13, 1921. Serial No. 461,066. 6 Claims. (Cl. 49—66.)

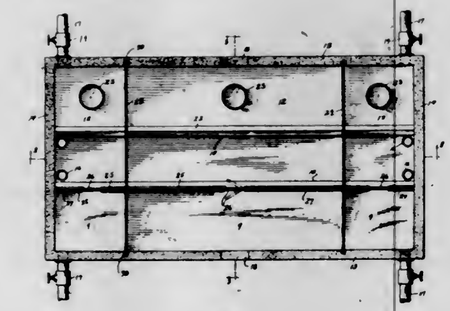
6. A mold of the class described comprising a base portion and an upper portion adapted to be assembled on the base, said upper portion consisting of hinged

halves, means formed on the base for anchoring the upper portion, a cavity formed in part in the base and in part in the upper portion, an electrode centrally po



sitioned axially in said cavity and retained by the upper and base portions of the mold, and means for insulating the upper portion of the mold from the base portion thereof.

1,509,979. FISH NURSERY. DAVID C. PRYOR, Oklahoma City, Okla. Filed Apr. 21, 1923. Serial No. 633,636. 15 Claims. (Cl. 119—3.)



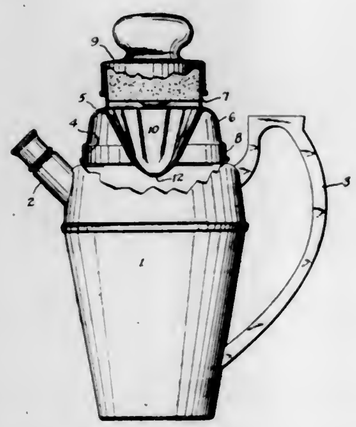
1. A fish nursery comprising a central deep pool, shallow flanges extending outwardly from the deep pool to each side thereof, and suitable partitions dividing the flanged portions into compartments to accommodate the fish during their early life cycle.

1,509,980. CHAIR GLIDE AND METHOD OF MAKING THE SAME. WILLIAM RAEBURN, Waterbury, Conn., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Continuation of application Serial No. 629,574, filed Apr. 3, 1923. This application filed Nov. 24, 1923. Serial No. 676,676. 8 Claims. (Cl. 16—42.)



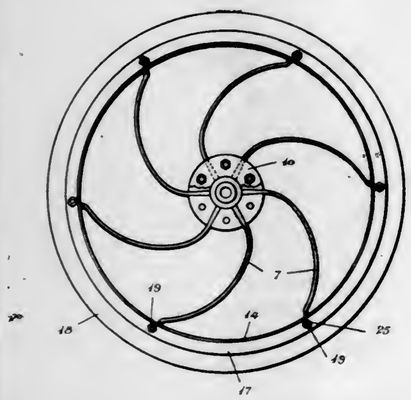
1. A chair glide consisting of a saucer-shaped hardened steel head and a softer tough prong of driving hardness, said head having swaged portions embracing one end of said prong so as to hold the two parts permanently together.

1,509,981. BEVERAGE SHAKER. LOUIS W. RICE, New York, N. Y. Filed June 21, 1924. Serial No. 721,393. 1 Claim. (Cl. 146—3.)



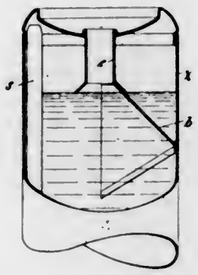
A beverage shaker comprising a body having a wide mouth, a top, and an intermediate reversible part comprising a breast portion having a flange to fit said mouth and a neck to receive the top, said intermediate part containing a fluted dome depending within its breast portion, said dome being united to the interior of the intermediate part at the region of the junction between the breast and neck portions at the bases of the flutes, leaving basal openings at the ends of the grooves between the flutes.

1,509,982. WHEEL CONSTRUCTION. ADOLPH SCHOENECK and AUGUST SEIDEL, Enterprise, Wis. Filed Mar. 13, 1923. Serial No. 624,738. 1 Claim. (Cl. 301—67.)



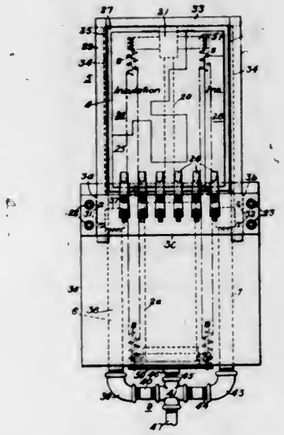
1. In a wheel, a rim composed of rings one fitted on the other, said rings having opposite flanges for holding a tire between them, securing elements connecting said flanges, and spokes extending through said rings and anchored to said elements, said rings having slots through which the spokes extend, and the slots of the outermost ring extending to the edge of said ring opposite to the flange of said ring in order that said ring can be removed from the spokes and other ring.

1,509,983. CONTAINER FOR LIQUIDS. GUSTAV SCHWORETZKY, Esslingen-on-the-Neckar, Germany. Filed Apr. 18, 1922. Serial No. 555,202. 2 Claims. (Cl. 220—25.)



1. In a container for liquids, the combination of an outer shell, a top and a bottom plate in said shell, a central charge opening in said top plate, a tube fitting into said charge opening and extending into the interior of the container, and a trough extending obliquely from said shell to the free end of said tube.

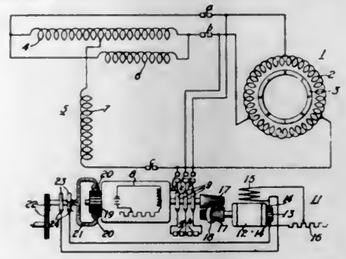
1,509,984. CONTROL APPARATUS. KARL A. SIMMON, Edgewood Park, and HARRY R. MEYER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1920. Serial No. 368,023. 7 Claims. (Cl. 200—82.)



1. Control apparatus comprising a movable contact member, a piston-and-cylinder device for actuating said member, a base member for supporting said device, a supply-pipe for said cylinder fitted with a four-way connector, and a plurality of auxiliary cylinders located on opposite sides of the cylinder device and supported solely by said connector.

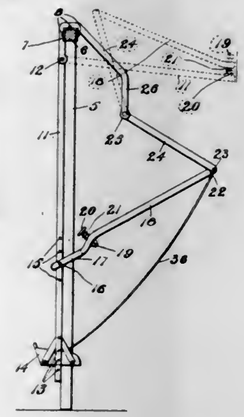
1,509,985. ACCELERATING SYSTEM FOR INDUCTION MOTORS. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1919. Serial No. 340,986. 10 Claims. (Cl. 172—274.)

6. In combination with a single-phase source of energy, a polyphase induction motor, an auxiliary induction machine having wound primary and secondary members, means for, at times, furnishing low-frequency energy to said motor from said secondary member, means for varying said frequency from zero to line frequency, means for operating said motor single-phase during certain



transition periods, and means for, at other times, operating said auxiliary machine as a phase balancer connected between said single-phase source and said polyphase motor.

1,509,986. SWING. EMIL M. SPRICH, St. Louis, Mo., assignor of one-third to John Sprich, Colorado Springs, Colo., and one-third to Albert T. Sprich, Belleville, Ill. Filed Sept. 25, 1922. Serial No. 590,327. 3 Claims. (Cl. 155—65.)

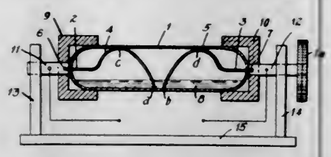


1. A swing comprising in combination with a pair of vertical supports having a cross bar extending across their upper ends, a pair of spaced apart inverted channels secured to the cross bar, a vertical member having its lower end bifurcated formed integral with and depending from one side of each channel, a bar pivotally secured at one end in each bifurcation, a seat pivotally and adjustably secured between and adjacent the opposite end of said bars, a rod adjustably extending through said bars intermediate their ends, a projecting arm formed integral with the opposite side of each channel, a lever pivoted at one end to each arm, a link pivoted to the free end of each lever, a bar extending through said levers and links, said bar also serving as a pivot for the links, a bifurcation formed in the free end of each link, said bifurcation adapted to straddle the first mentioned bars and be held in position thereon by means of the rod passing therethrough, a spring bumper carried by the links and adapted to contact with the first mentioned bars for limiting the swing thereof, and a flexible cable having one end attached to the bar carried by the levers for placing the swing in operation.

1,509,987. VARIABLE-RESISTANCE DEVICE. LEE SUTHERLIN, East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 27, 1922. Serial No. 590,811. 7 Claims. (Cl. 219—57.)

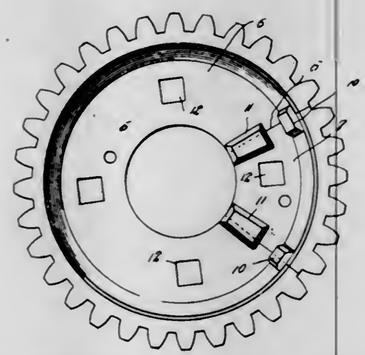
1. In a variable resistance device, a vessel, a liquid having a high resistance disposed therein and means for con-

tinuously varying the effective resistance of said liquid, said means comprising a pair of rotatably mounted conductors having portions contained in said liquid, said con-



ductors being so arranged that the spacing thereof with respect to said liquid is continuously varied for a movement of said conductors.

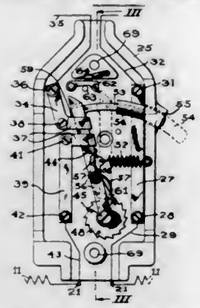
1,509,988. CRANK-SHAFT GEAR FOR LOOMS. WILLIAM HENRY THOMPSON and IRA FRANKLIN CAPE, Seneca, S. C. Filed Mar. 23, 1923. Serial No. 627,061. 1 Claim. (Cl. 74—78.)



A gear wheel adapted to be applied to the side of a pulley which is fixedly mounted upon the shaft, comprising an arcuate body provided with a central opening adapted to receive the shaft, the body being provided at one side with a recess leading in from the outer edge thereof and communicating with the said opening, the said recess having radially disposed side walls which are disposed at an acute angle with relation to each other and a segment adapted to completely fill the recess and provided with an inner curved edge adapted to conform with the curvature of the edge of the opening in the body, the segment being provided at its outer side and at its inner portion with lugs adapted to bear against the side surface of the intermediate portion of the body, the body and the segment being provided in the vicinity of their outer edges with outstanding flange sections adapted to register with each other when the segment is in position in the recess the inner surface of the flange upon the body being inwardly inclined and the flange of the segment being provided with lugs adapted to engage under the end portions of the inclined surface of the flange section which is carried by the body.

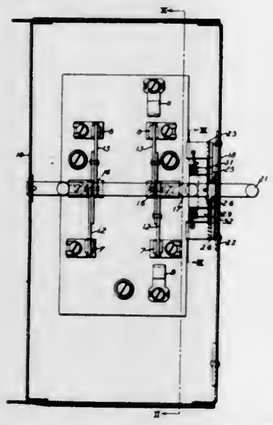
1,509,989. AUTOMATIC CUT-OUT FOR ELECTRIC FLATIRONS. FRANK THORNTON, Jr., Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Nov. 29, 1921. Serial No. 518,345. 4 Claims. (Cl. 200—124.)

1. A combined terminal and temperature-limiting device for an electrically heated flat iron comprising a handle member, and a cover member to which said handle member is secured, said device comprising an insulating casing, a bolt for securing said casing to said handle member, a switch in said casing biased to its open position, means for manually closing said switch, locking means for holding said switch in its closed position, means for securing said locking means to said bolt, said locking and se-



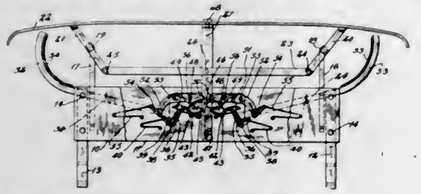
curing means permitting said switch to open at a predetermined temperature of said iron.

1,509,990. TRANSFER SWITCH. FRED G. VON HOORN, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,706. 5 Claims. (Cl. 200—15.)



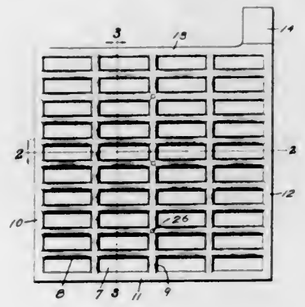
3. Switch mechanism comprising a pair of main contact members, a pair of auxiliary contact members, a switch member adapted when in middle position to engage both main contact members and when in extreme positions to engage one main contact member and one auxiliary contact member, means for moving the switch member to different operative positions and means for automatically moving the switch member out of engagement with the auxiliary contact member without disengaging it from the main contact member when the first said means is released.

1,509,991. LIFE-SAVING FENDER FOR VEHICLES. STANLY ADVENT, Detroit, Mich. Filed May 10, 1924. Serial No. 712,307. 8 Claims. (Cl. 293—16.)



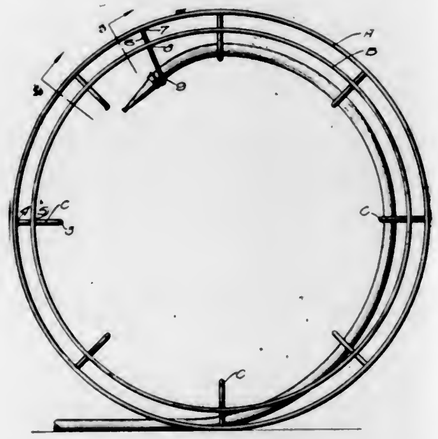
1. Vehicle fender of the class described, comprising a fender bar, a frame carrying said fender bar and adapted to be attached to a vehicle, a pair of plates on said frame, an arm connected to said fender bar slidingly guided between said plates, and means between said plates to open and close a pair of jaws during the movements of said arm between said plates, said means adapted to be locked in the open and closed positions of said jaws.

1,509,992. ELECTRODE OR GRID FOR STORAGE BATTERIES. JAMES M. ALLEN, St. Louis, Mo., assignor to James M. Allen, Fred P. Smith, and Frederick D. Tucker, as trustees for The Smith Allen Battery Company, St. Louis, Mo. Filed Oct. 6, 1920. Serial No. 415,020. 1 Claim. (Cl. 204—29.)



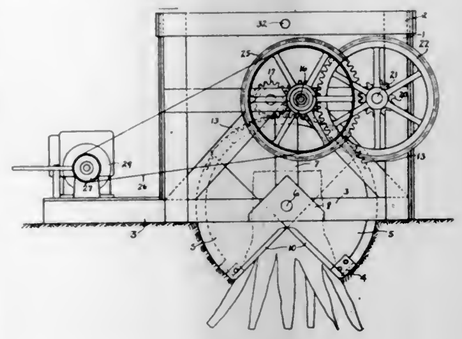
An electrode for storage batteries formed of a single folded sheet of metal, said sheet when folded having two spaced apart sides, a bottom, and two vertical edges, said vertical edges composed of a double thickness of material, concavo-convex bars arranged vertically and horizontally formed integrally with said sides, said bars having their convex sides facing outwardly and upwardly projecting lugs formed integral with said sides.

1,509,993. HOSE REEL. FRED C. BELL, Alameda, Calif. Filed June 21, 1922. Serial No. 569,785. 4 Claims. (Cl. 242—86.)



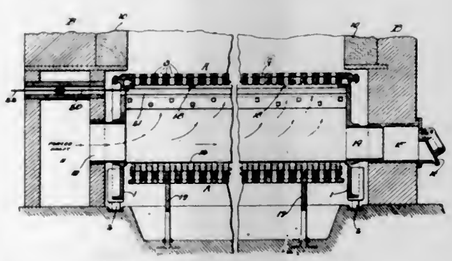
1. A reel comprising a pair of interspaced rings, a plurality of U-shaped cross arms secured to and connecting the same, and a single cross arm disposed between the rings and secured thereto, said cross arm being substantially U-shaped and the bottom portion thereof being bent to form an opposed U.

1,509,994. STUMP-CUTTING MACHINE. JOHN T. CARROLL, Houston, Tex. Filed Oct. 5, 1923. Serial No. 666,759. 8 Claims. (Cl. 37—2.)



1. A stump cutting device comprising a supporting frame, two opposing sets of end plates approximately semi-circular in shape pivotally mounted therein, a knife connecting the lower edges of each said set of plates, knives on the forward edges of said plates, gears on the outer peripheries of said plates and means engaging said gears to rotate said plates and knives toward each other in an arc beneath the stump to sever the roots thereof.

1,509,995. FURNACE AND MEANS FOR CONTROLLING THE DRAFT THEREIN. WILLIAM M. DUNCAN, Alton, Ill. Filed Feb. 10, 1921. Serial No. 444,019. 5 Claims. (Cl. 100—40.)

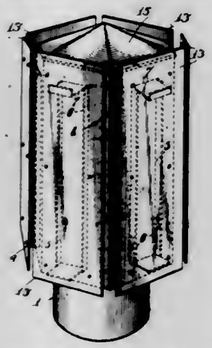


1. A furnace provided with a fuel-supporting grate, and means for preventing free escape of draft through openings in the fuel on said grate, said means including a series of draft-closures located between the grate and the source of the draft, said draft-closures being located below and movable transversely of the bottom of said grate so that either closure may be selected and located below an opening in the fuel and said draft-closures being shorter than the width of the grate so as to obstruct the draft tending to escape through said openings and at the same time permit the delivery of draft through the fuel adjacent to said openings.

1,509,996. VENTILATOR. THEODOR ELTING, Chicago, Ill. Filed Dec. 9, 1920. Serial No. 429,404. 9 Claims. (Cl. 98—4.)

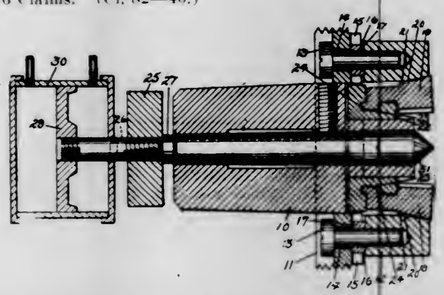
1. A ventilator, comprising a cylindrical shell having a plurality of spaced openings, a polygonal casing comprising a plurality of connected panels spaced from

said shell and provided with openings, said last named openings being opposed to imperforate parts of said



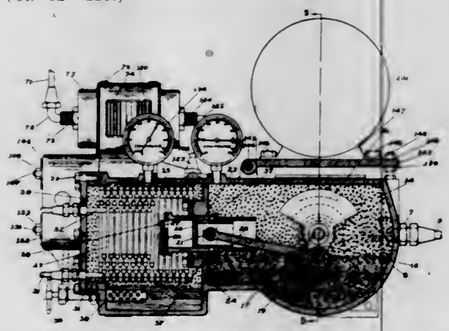
shell, and a plurality of plates spaced from each other and from said panels and means for supporting said plates directly from said panels of said casing.

1,509,997. PNEUMATIC CHUCK. GEORGE W. FRY, Toledo, Ohio. Filed Dec. 17, 1923. Serial No. 681,220. 6 Claims. (Cl. 82—40.)



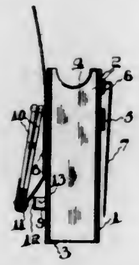
1. In a chuck, a ring floating radially of the chuck and having beveled surfaces, jaws having beveled surfaces adapted to cooperate with the beveled surfaces of the ring, and means to produce relative movement between the ring and jaws longitudinally of the chuck.

1,509,998. REFRIGERATING MACHINE. CARL F. GEIGER and FREDERICK C. GEILER, Dayton, Ohio. Filed Sept. 19, 1921. Serial No. 605,658. 5 Claims. (Cl. 62—115.)



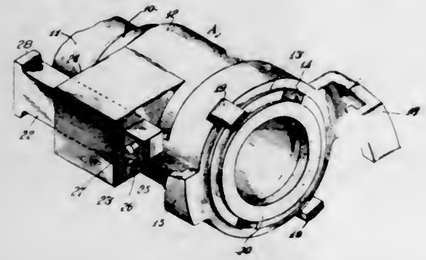
1. In a refrigerating apparatus, the combination with a compressor, of an expansion coil, a refrigerant line leading from said compressor to the expansion coil, means for returning cool gas from the latter to the compressor, a shaft for the compressor, and packing means surrounding said shaft in the path of the cool gas returned to the compressor from the expansion coil.

1,509,999. COMBINATION ASH TRAY AND MATCH HOLDER. CHARLES W. GIRSCH, New York, N. Y. Filed July 13, 1923. Serial No. 651,278. 4 Claims. (Cl. 206—38.)



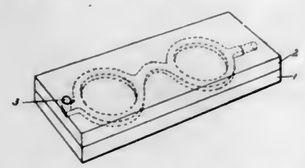
1. In an ash tray and holder for matches which are mounted on a flexible strip, the lower end of the strip being bent up over the front of the lower portions of the stem of the matches, the combination of a support; a pair of parallel guides on said support behind which the flexible strip may slide; a stop on said holder on which the lower end of the strip may rest; and a retainer adapted to engage over the upwardly bent part of the strip.

1,510,000. HOSE COUPLING. EGBERT H. GOLD and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor of his interest to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed May 1, 1922. Serial No. 557,675. 19 Claims. (Cl. 285—67.)



1. In a hose coupling, the combination of a conduit member, a coupling member adapted to interlock with a mating coupler and movably arranged on said conduit member, and means movable longitudinally of the coupling member for tightening the engagement between the coupling member and the mating coupler and forcing the conduit member against the corresponding part of the other coupler.

1,510,001. OPHTHALMIC MOUNTING. WILLIAM A. GUNNING, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 3, 1922. Serial No. 540,698. 8 Claims. (Cl. 18—55.)



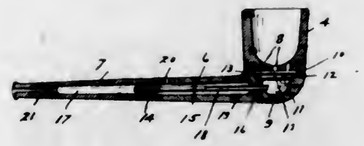
1. The process of producing a non-metallic ophthalmic frame consisting in forming dies having the necessary configurations, and forcing the frame material in liquid form between the dies to produce the finished article.

1,510,002. SELF-CLOSING PET COCK. FRANK A. B. HOLMES, Chicago, Ill. Filed Sept. 22, 1923. Serial No. 664,213. 1 Claim. (Cl. 251—125.)



A self-closing pet cock comprising, a main body having a screw threaded attaching neck at one end, an aligned annular valve seat at the other end, and a lateral lug at one side, a rocker bar having at its midlength a pair of spaced ears adapted to straddle said pivot lugs and be attached thereto by a pivot pin, said rocker bar having a recess at each end and an orificed lug adjacent to one of said recesses, a valve head fitting one of said recesses and having closing engagement against the annular seat of the main body, a spring engaging in the other of said recesses and adapted to hold said valve head to its engagement, and a handled pull rod attached to the aforesaid orificed lug.

1,510,003. TOBACCO PIPE. CARL O. JOHNSON, Minneapolis, Minn. Filed May 17, 1920. Serial No. 381,821. 1 Claim. (Cl. 131—12.)



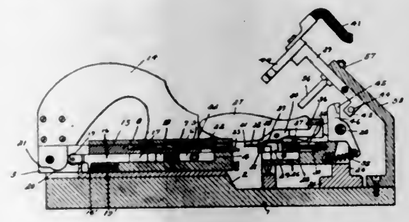
A tobacco pipe comprising a stem having two distinct longitudinal chambers formed therein, the inner of which forms a saliva collecting chamber and the other of which forms a cooling chamber, said cooling chamber having an aperture therefrom to the atmosphere at its top portion adjacent one end and another aperture to the atmosphere at its bottom and adjacent its other end, a conduit passing centrally through said cooling chamber and communicating with said saliva collecting chamber, said stem having a sub-bowl with a chamber formed therein at its outer end with which chamber the other end of said conduit communicates, a tobacco receiving bowl attached to said stem above said sub-bowl having a perforated bottom, and a plurality of spaced layers of absorbent material disposed in said sub-bowl chamber and spaced from said perforated bottom of the tobacco receiving bowl.

1,510,004. SEAMLESS-END NECKTIE. MICHAEL C. KELLY, Minneapolis, Minn. Filed May 18, 1923. Serial No. 639,781. 5 Claims. (Cl. 2—146.)



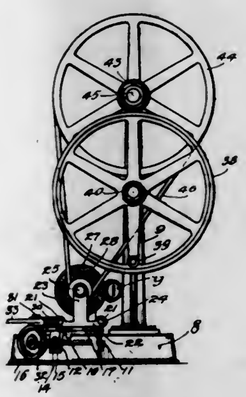
1. A necktie in the form of an elongated band of sufficient length to surround the neck and have its ends tied in a knot including a pair of tying ends of two ply formation each having a fold constituting a lateral end of the necktie and having seams extending along its longitudinal edges.

1,510,005. MACHINE FOR INSERTING METAL ENDS IN SPECTACLE TEMPLES. WILLIAM J. KELLEY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 18, 1922. Serial No. 589,033. 12 Claims. (Cl. 18—1.)



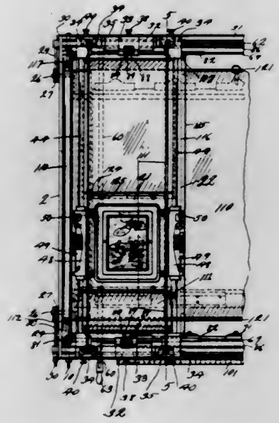
1. A machine of the class described including a supporting base, a sliding carriage upon one end thereof, means for supporting a temple in longitudinal position upon said carriage, a swinging carriage member upon the opposite end of the base, means to carry a temple end piece on the swinging carriage, means to swing the swinging carriage, means to contact with the end piece for heating said end piece, and means to move the sliding carriage to force the heated end piece into the temple.

1,510,006. VALVE-GRINDING MACHINE. EVERETT F. KIESTER, Minneapolis, Minn. Filed Nov. 4, 1922. Serial No. 599,054. 2 Claims. (Cl. 51—105.)



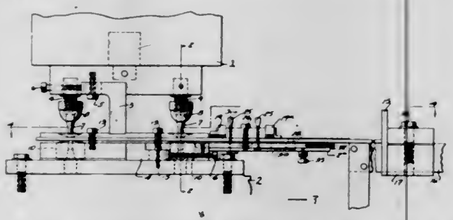
1. A valve grinding machine comprising a base, a carriage slidably mounted on said base, manually operated means for adjusting said carriage, a turret rotatively mounted on said carriage, means for locking said turret to said carriage in different angular adjustments, said turret having diametrically opposite bearing lugs, a bearing plate connected to the lugs of said turret for straight line reciprocating movements, a grinding wheel having a spindle extended parallel to the reciprocating movement of said bearing plate and journaled in bearings on said plate, means for rotating said spindle and grinding wheel, means for imparting straight line reciprocating movements to said bearing plate and parts carried thereby, said means comprising a rack secured to said bearing plate, an arm projecting from said turret, and a hand operated gear journaled to said arm and meshing with said rack.

1,510,007. MACHINE FOR MAKING OFFSET PRESS PLATES. ALEXANDER T. KOPPE, Chicago, Ill., assignor to Offset Directoplate Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1922. Serial No. 572,054. 40 Claims. (Cl. 95—76.)



1. The combination with the bed plate of a machine for photographically preparing offset press plates, of a resilient blanket carried by said bed plate, and means operable for stretching the blanket whereby the degree of stretch thereof may be varied.

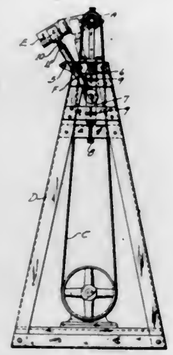
1,510,008. COMBINED PUNCH AND SHEAR. LOUIS NORMAN LUMB, Astoria, N. Y., assignor to Irving Iron Works Company, a Corporation of New York. Filed July 2, 1923. Serial No. 648,861. 4 Claims. (Cl. 164—15.)



1. In a machine for punching holes in metal strips at predetermined points and cutting said strips to predetermined lengths, the combination, with the main frame, and a die supported thereby, guides for the metal strip to be punched, a reciprocating head and a punch carried thereby, and cooperating knives carried by said frame and head forming a pair of shears, of an adjustable stop and gauge rigidly connected to the main frame in line with the guides for the strip being punched and in position to act as a stop for said strip when a predetermined number of holes have been punched therein and also as a gauge for same when placed in the shears to sever said punched portions from the remainder of the strip.

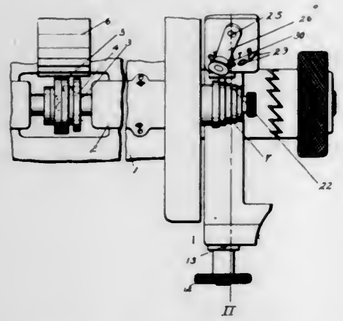
1,510,009. HEEL-GROOVING MACHINE. DAVID O. MARSHALL, St. Louis, Mo., assignor to Mound City Wood Heel & Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed June 18, 1923. Serial No. 646,153. 10 Claims. (Cl. 12—47.)

1. A machine for grooving shoe heels, comprising a tapered, rotatable cutter provided with longitudinally-disposed cutting teeth, a heel carrier for holding a heel in a position extending longitudinally of the axis of the cutter with its breast presented towards the cutter and its upper end portion positioned beyond the end of the cutter, and a support on which said carrier is



rockably mounted, disposed parallel to the longitudinal axis of the cutter, said carrier being adapted to be rocked towards the cutter so as to cause the cutter to form a groove in the lower end portion of the breast of the heel.

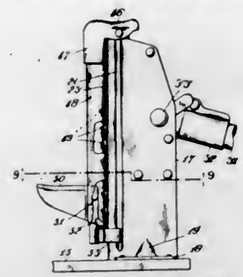
1,510,010. EDGING MACHINE. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 20, 1920. Serial No. 382,802. 3 Claims. (Cl. 51—101.)



1. In a device of the character described, the combination with a supporting member, a tube slidably mounted therein, means for adjusting said tube within the support and a block movable with the tube and formed with the guide way, of a plate having a member slidably engaged in the guide way, said plate having a rack portion and a contact shoe, a pinion meshing with the rack portion for adjusting the plate upon the block, means for rotating the pinion to accomplish such adjustment and means for locking the parts in the desired adjusted position, said means including a plurality of sockets formed on the block and a pin for selective engagement in the socket.

1,510,011. LIFTING JACK. JOSEPH J. MIZER, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 17, 1923. Serial No. 681,196. 2 Claims. (Cl. 254—111.)

1. A jack comprising a standard in the form of a channel member comprising a continuous web and substantially parallel side flanges, there being inwardly extending ribs pressed from each flange extending parallel to the web, thus forming interior grooves or channels adjacent the web, and exterior grooves parallel with the web and interior grooves, a lifting member comprising a pair of bars connected at their upper ends, one sliding inside the channel and guided by the inner



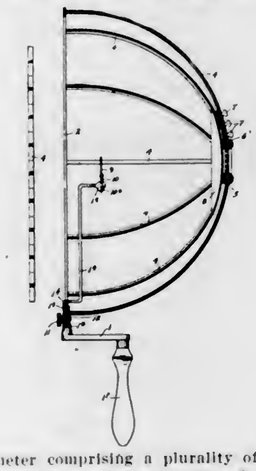
grooves, and the other mounted outside the web and having extensions at its lower end engaging in and guided by the exterior grooves.

1,510,012. TELESCOPIC HANDLE FOR AUTOMOBILE JACKS. JOSEPH J. MIZER, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 28, 1923. Serial No. 628,216. 10 Claims. (Cl. 74—39.)



1. A telescopic jack handle, comprising two flat bar members, the free end of one member adapted to enter the socket of a jack, and a handle formed on the free end of the other member, a sleeve permanently secured to the opposite end of each of the members and having slidable engagement with the body portion of the other member, and an integral stop on the handle member, just beyond the handle portion, to engage the sleeve on the other member and prevent disengagement of the members when telescoped to inoperative position, and an integral stop on the jack-engaging member, near its sleeve-carrying end to limit movement of the other sleeve thereon when the parts are moved to operative position.

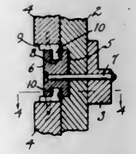
1,510,013. SELF-DETERMINING PERIMETER. HOWARD McI. MORTON, Minneapolis, Minn. Filed Mar. 5, 1921. Serial No. 449,944. 19 Claims. (Cl. 88—20.)



1. A perimeter comprising a plurality of spaced relatively fixed meridian members arranged in diverging relation in a substantially semi-spherical surface, sight objects slidable on each of said members and disposed

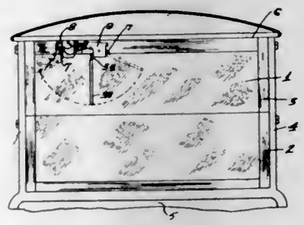
at the concave side thereof, the spaces between said members being open and unobstructed for substantially their entire extent whereby an open-work structure is provided in which light can pass between said members.

1,510,014. SILO DOOR AND LOCK. FREDOLIEN J. OBERER, Los Angeles, Calif., assignor to National Tank & Pipe Co., Portland, Oreg., a Corporation of Oregon. Filed June 20, 1922. Serial No. 569,659. 12 Claims. (Cl. 20—1.4.)



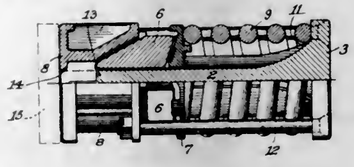
1. In a device of the character described, the combination with a door opening, of a hinged door adapted to close said opening, said hinge means having co-operating abutments arranged to automatically draw said door against the door opening as the door is swung to closed position.

1,510,015. CLEANING MECHANISM. CHARLES L. RAYFIELD, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,431. 7 Claims. (Cl. 15—25.3.)



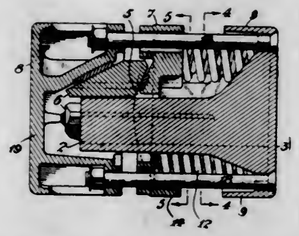
1. A windshield cleaner comprising a wiper mounted for reciprocation over a windshield glass, and means for reciprocating said wiper, said wiper comprising an elastic tubular member having a heating element therein.

1,510,016. SHOCK-ABSORBING MECHANISM. ERNEST H. SCHMIDT, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 16, 1922. Serial No. 594,674. Renewed May 9, 1924. 5 Claims. (Cl. 213—36.)



1. A shock absorbing mechanism, a central friction member having outwardly radiating arms, friction shoes arranged between said arms and having a friction bearing thereon, said arms extending outwardly beyond the zone in which the shoes bear to reinforce the mechanism to resist bulling and draft stresses, a compression spring arranged between said shoes and a portion of said central member to resist the travel of the shoes along said central member and increase the friction therebetween, a follower wedge bearing upon said shoes, and a limiting stop against which the central friction member comes into bearing to protect the mechanism against over solid blows.

1,510,017. SHOCK-ABSORBING MECHANISM. ERNEST H. SCHMIDT, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 31, 1923. Serial No. 616,003. Renewed June 20, 1924. 5 Claims. (Cl. 13—36.)



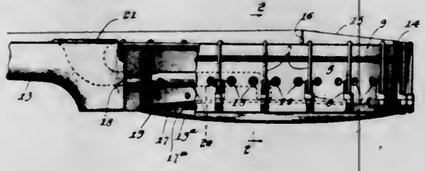
1. A shock absorbing mechanism comprising a central friction member having a broad, flat base of resistance and outwardly radiating arms, friction shoes arranged between said arms having a friction bearing thereon, followers engaging the ends of said shoes, one of said followers and the said base having aligned pockets therein for housing a plurality of compression springs arranged in parallel with the axis of said central member.

1,510,018. OPHTHALMIC MOUNTING. ELMER L. SCHUMACHER, Southbridge, and WILLIAM H. BOUTELLE, Sturbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 6, 1922. Serial No. 541,523. 7 Claims. (Cl. 88—83.)



1. The process of producing an ophthalmic frame consisting in cutting away a portion of a composition end piece, securing a metallic member to the end piece and within the cut away portion, and subsequently bending the combined parts whereby the material of the end piece is caused to shift relative to the metallic member and partially enclose the same.

1,510,019. SOUND MODIFIER FOR STRINGED INSTRUMENTS. HENRY H. SLINGERLAND, Chicago, Ill. Filed Nov. 9, 1921. Serial No. 513,905. 3 Claims. (Cl. 84—271.)



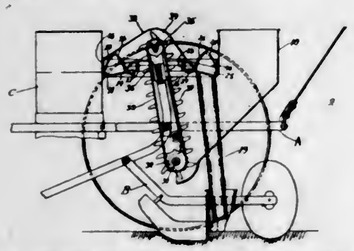
3. The combination with a banjo, of a structure closing the portion of the body opposite the strings; said structure comprising two convaco-convex disks arranged in superposed relation with their concave portions facing each other; said disks being apertured and the inner disk providing a resonator opposite the head of said banjo whereby the sound vibrations of the banjo head are augmented and modified by said resonator disk, and a horn secured to the inner disk at an aperture therein and extending through the body of said banjo.

1,510,020. SAFETY RAZOR. ANTHONY SNIEGOCKI, Oakland, Calif. Filed July 13, 1922. Serial No. 574,697. 2 Claims. (Cl. 30—12.)



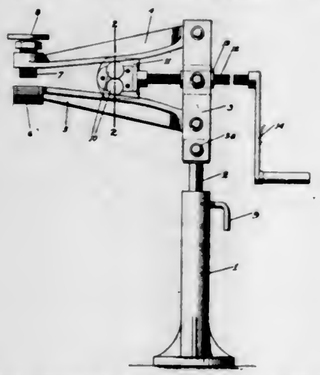
1. A safety razor comprising a holder, a pair of interspaced removable shaving blades adapted to be received thereby, said blades being disposed in parallelism, a roller disposed between the blades and extending substantially from end to end thereof, said roller being free to rotate and forming a guard for the respective blades, a spring disposed between the blades and secured midway of its ends to the holder, a pair of set screws one disposed at each end of the holder and engageable with the spring, and a bearing member at each end of the spring for the support of the roller.

1,510,021. FEEDING MECHANISM FOR POTATO PLANTERS. JOHN STURROCK, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Sept. 3, 1920. Serial No. 407,865. 11 Claims. (Cl. 221—127.)



6. The combination in a potato planter of an annular picker pan, a revolvable carrier mounted on the pan, radially extending movable seed pickers mounted on the carrier, means on the pan for actuating the pickers when the carrier revolves, and means for supplying seed to the pan through its central opening.

1,510,022. SPREADING JACK. JESSE D. TUCKER, Sacramento, Calif., assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Filed June 11, 1923. Serial No. 644,717. 6 Claims. (Cl. 157—9.)



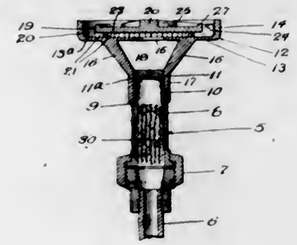
1. A jack comprising a vertical frame, arms projecting horizontally from the frame and adapted to be inserted between the hub and felly of a wheel, and means mounted on the frame for spreading the outer ends of said arms.

1,510,023. MUSICAL INSTRUMENT. JOSEPH N. VASEY, Brookfield, Ill. Filed July 7, 1922. Serial No. 573,364. 11 Claims. (Cl. 84—197.)



1. In a musical instrument, the combination of a frame, a band secured at one end to the bottom of the frame near one edge thereof, a string anchored to the other end of said band and extending around the other edge of said frame and across the top thereof, and a tuning pin receiving the end of said string.

1,510,024. BURNER. AXEL WARNER, Chicago, Ill. Filed Nov. 2, 1923. Serial No. 672,255. 3 Claims. (Cl. 158—67.)



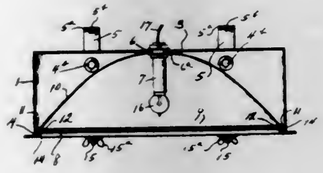
3. A burner comprising, in combination, a burner tube having a thin side wall and a relatively thick top wall, the top wall being formed with a centrally disposed, relatively long, capillary discharge duct, a centrally apertured burner pan having downwardly converging arms terminating in a band secured upon said burner tube, said burner pan being formed with an upturned marginal flange, and the upper face of the bottom of said burner pan being flat, and a spreader plate above said burner pan and of less diameter than the internal diameter of said flange, the lower face of said spreader plate being flat, and formed with a marginal row of spaced lugs resting on the bottom of the burner pan, the spaces between said lugs being relatively low, the flat upper face of the burner pan and lower flat face of the spreader plate forming therebetween a relatively thin horizontal passage of uniform thickness throughout and the space between the edge of the spreader plate and flange of the burner pan being relatively wide as compared with the thickness of said flat passage.

1,510,025. SIDE PLATE FOR CABINETS AND THE LIKE. CLAY WEESNER, Newcastle, Ind., assignor to Hoosier Manufacturing Company, Newcastle, Ind., a Corporation of Indiana. Filed Aug. 20, 1923. Serial No. 658,242. 2 Claims. (Cl. 45—16.)



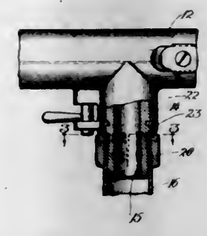
1. The combination with the base and superstructure of a cabinet, screws in said members of the cabinet, and a mold board slidingly mounted on the base of the cabinet and separating the said superstructure from the said base of the cabinet, of end plates having the central portions thereof outwardly curved to provide clearance for said mold board, and said plate having two horizontal rows of inturned tongues punched out of the metal of the plate to space the base and the superstructure of the cabinet apart, and also having vertical screw slots entering from each horizontal margin of the plates and receiving said screws, and said slots having lugs at the sides of the slots to prevent sliding movement of the screws in the slots when the screw heads are contacting the plate.

1,510,026. REAR LIGHT, LICENSE PLATE, AND HOLDER THEREFOR. JOHN A. ADLER, North Milwaukee, Wis. Filed Nov. 18, 1922. Serial No. 601,755. 3 Claims. (Cl. 40—132.)



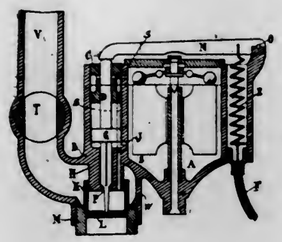
1. In a combined rear light, license plate and holder therefor, an outer casing, a second casing mounted in the first named casing and opening toward the rear of the first named casing, the rear end of the inner casing having flanges terminating short of the rear end of the outer casing, means for fastening the two casings together, a transparent sheet engaging against the flanges of the inner casing, and a pair of U-shaped spring clamps, each having the extremities of its arms angularly bent and inserted through the upper and lower walls of the first named casing, said clamps being shiftable to a position to hold the transparent sheet in place, the end walls of the outer casing having inwardly extending lugs overlying the cross bar of each of said clamps, and a stenciled number plate engaged with the ends of the outer casing rearward of the transparent plate.

1,510,027. ROTATIVE FRICTION JOINT. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed June 9, 1921. Serial No. 476,227. 7 Claims. (Cl. 240—61.2.)



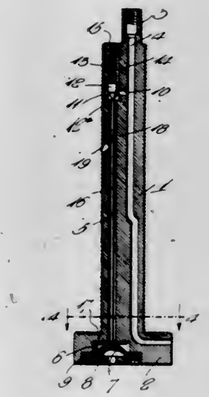
6. A rotative tapered joint comprising axially disposed joint members and a nut, one of said joint members having a shouldered extension, externally tapered and the other joint member being tubular and frictionally and rotationally engaging over said tapered extension and slitted and externally threaded at its part abreast said taper, and a nut adapted to engage the shoulder of said extension threaded over the slitted end of said tubular member and having an internal taper opposed to the external taper of said extension.

1,510,028. CARBURETOR. FRANK HADFIELD ARNOTT, London, England. Filed Aug. 9, 1921. Serial No. 490,986. 1 Claim. (Cl. 261—44.)



A carburetor of the type described including in combination a mixing chamber, a throttle valve between the engine and said mixing chamber, a constant level float chamber sealed from the atmosphere, a jet orifice below the level of the fuel in said float chamber, a loaded combined air and fuel valve adapted to be opened by engine suction through said throttle valve, fuel ports in the lower part of said combined valve at the position of greatest restriction of air entering the mixing chamber, and a passage connecting the area surrounding and acting upon the fuel jet with the upper part of said float chamber.

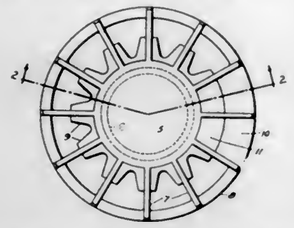
1,510,029. TIRE-VALVE STEM. CHARLES EDWIN BALDWIN, Oconto, Wis., assignor of one-fourth to Philip Abram Badour, Oconto, Wis. Filed Aug. 20, 1923. Serial No. 658,403. 2 Claims. (Cl. 152—11.5.)



1. A tire inflation stem having an enlarged inner end, a longitudinal inflation bore opening laterally through said enlarged end, an off-center recess in said enlarged end, a second longitudinal bore leading from said recess, a pressure escape port from said inflation bore into said second bore, and a second pressure escape port from said second bore; a slidable spring-seated valve in said second bore for closing said first named port, a releasing rod in said second bore for unseating said valve, and a diaphragm secured in said recess for operating said rod.

1,510,030. COOKING PLATE. EDMOND H. BALDWIN, Alameda, Calif. Filed Mar. 17, 1924. Serial No. 699,806. 1 Claim. (Cl. 126—215.)

A cooking plate, comprising a ring, a center, ribs connecting the ring and center, and spaces between the ribs; some of said spaces being open, and other of said spaces being closed for a protective area for utensil



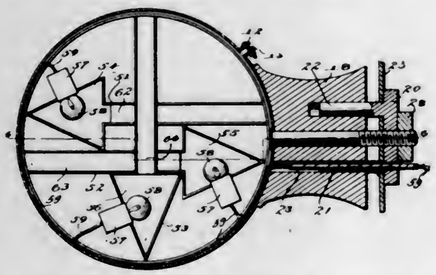
handles; the said center being raised above the ring and provided with web extensions projecting into the spaces between the ribs to form a flame-spreader.

1,510,031. ARTIFICIAL FLOWER. FRED BEYER, Denver, Colo. Filed Mar. 26, 1923. Serial No. 627,725. Renewed July 31, 1924. 5 Claims. (Cl. 41—13.)



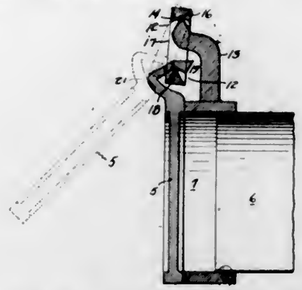
3. The method of forming artificial flowers consisting in topping a pine cone, and roughly removing the upper petals from the remaining body portion to form the center of the flower.

1,510,032. AUTOMOBILE SIGNAL. CHARLES FREDRICK BLISS, Olive, Calif. Filed Feb. 8, 1922. Serial No. 534,955. 2 Claims. (Cl. 177—329.)



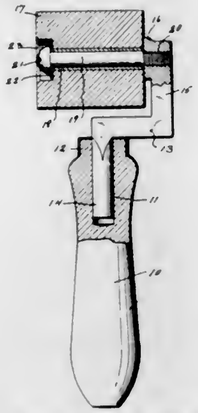
2. A signalling device comprising a cylindrical body open at its ends, a signal device disposed within the cylindrical body, a binding ring encircling said body and being enlarged diametrically intermediate its ends to provide an annular channel encircling the cylindrical body, said body having an opening through its walls in communication with the annular channel, a bracket associated with the binding ring, said bracket and the channeled portion of said binding ring having alined openings formed therethrough, means for releasably holding the binding ring and bracket in clamped together relation and for clamping said bracket to a fixed support, flexible means extending through the alined openings of the bracket and binding ring along the channel encircling the cylindrical body and through the first named opening in the latter to the signal device, whereby the latter may be energized, and light admitting panels adapted for disposition in abutting relation to the opposite ends of the cylindrical body, said binding ring having flanges at its ends adapted to engage with said panels to hold the latter in abutting relation to the opposite ends of the cylindrical body.

1,510,033. FLOODGATE. ALBERT J. BOLD, Oakland, Calif. Filed June 25, 1923. Serial No. 647,561. 7 Claims. (Cl. 251—123.)



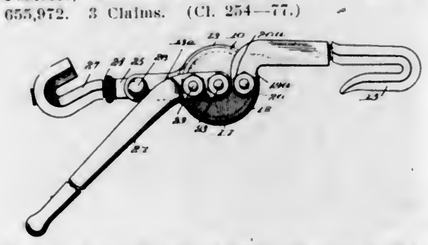
1. A flood gate comprising, the combination with a conduit, a gate seat member carried by said conduit, a gate adapted to seat on said member, and a knife edge and cooperating bearing member pivotally connecting said seat member and gate adjacent their upper edge.

1,510,034. PAPER HANGER'S SEAM ROLLER. JAMES EDWARD BRADER, Bethlehem, Pa. Filed Mar. 11, 1924. Serial No. 698,455. 1 Claim. (Cl. 216—61.)



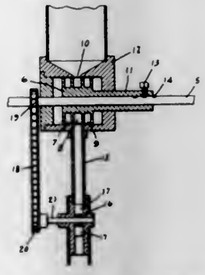
A seam roller of the character described comprising a handle, an angularly bent shank extending from the handle on one side thereof, a pin having screw threaded engagement with the shank and intersecting the axis of the handle and having a head at its outer end, a sleeve surrounding the pin and a roller mounted upon the sleeve, the roller being countersunk at one end to receive said head.

1,510,035. PULLING DEVICE. FREEMAN J. BRADLEY, Fostoria, Ohio. Filed Aug. 6, 1923. Serial No. 655,972. 3 Claims. (Cl. 254—77.)



2. In a device of the character described, a rotatable member having a peripheral groove, a hand lever secured to one side of the rotatable member, a hook eccentrically and pivotally connected to said rotatable member, a ring loosely mounted in the peripheral groove of the rotatable member, and a second hook connected to said ring.

1,510,036. CORN PLANTER. BENJAMIN F. BURKIT, Walton, Ind. Filed Mar. 5, 1921. Serial No. 450,002. 1 Claim. (Cl. 221—157.)



In combination, a hopper, a housing adjacent the bottom of the hopper having an opening communicating with the hopper said housing having bearings in its end walls, a dispensing wheel having a hub slidably mounted in one of the bearings the wheel and its hub being provided with a bore, a drive shaft extending through the other bearing in the housing and through the bore of the hub said dispensing wheel being provided with a plurality of sets of pockets for selective registration with the housing opening, and means for rotating said drive shaft, substantially as set forth.

1,510,037. TOOL. SALVADOR CARNISÉ BURRULL, Barcelona, Spain. Filed Apr. 8, 1922. Serial No. 550,728. 3 Claims. (Cl. 82—4.)



1. Apparatus for machining the seats of flanges in tubular boilers, comprising in combination a support, a tool carrier mounted on said support, gearing for causing the rotation of the said tool carrier, means for causing the continuous feed in a radial direction of the tool carrier, consisting of a screw threaded spindle, means for causing the continuous axial movement of the said spindle on its rotation by the said gearing, and means for causing the radial movement of the said tool carrier on the axial movement of said spindle, substantially as described.

1,510,038. CUT-OFF VALVE. ROBERT G. CAMBLIN, Bartlesville, Okla., assignor of one-half to Anthony R. Edmondson, Bartlesville, Okla. Filed Mar. 24, 1923. Serial No. 627,380. 3 Claims. (Cl. 67—115.)

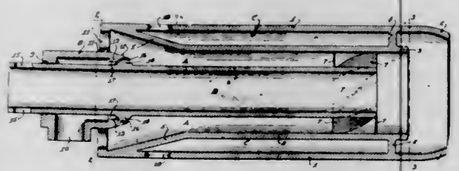
1. A mechanism of the class described comprising, in combination, a cylinder adapted for communication with a source of gas under pressure, a pipe leading therefrom, a valve mounted within the cylinder, the pressure of the gas adapted to maintain the valve beyond the connection between the cylinder and the pipe to permit unobstructed flow through the pipe, the stem on the valve extending exteriorly of the cylinder, a

weighted member carried by said stem for moving the valve into closed position upon reduction of the gas pressure, a latch pivotally engaged with the cylinder, said latch being disposed toward the stem and in a direction lengthwise thereof, said latch being provided with an inwardly facing shoulder, an outstanding pin



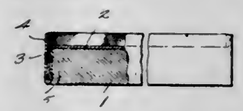
carried by the stem, the latch outwardly of the shoulder having contact with the pin when the valve is in open position, the shoulder of the latch engaging over the pin when the valve is in closed position to hold the valve against movement into open position, and means constantly urging the latch toward the stem and pin.

1,510,039. GAS BURNER FOR BOILERS AND OTHER FURNACES. WALLACE CANFIELD, Taft, Calif. Filed Apr. 26, 1924. Serial No. 709,193. 16 Claims. (Cl. 158—110.)



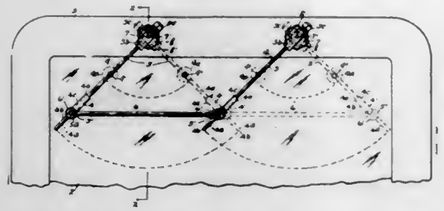
1. A gas burner comprising nested, spaced, open-ended pipes; and means for supplying gas under pressure to the open rear end of the space between said pipes whereby air currents are induced both through said space and through the inner pipe.

1,510,040. STOVE BOARD. BERNARD J. CARTER, Cleveland, Ohio. Filed Jan. 4, 1924. Serial No. 684,454. 3 Claims. (Cl. 126—278.)



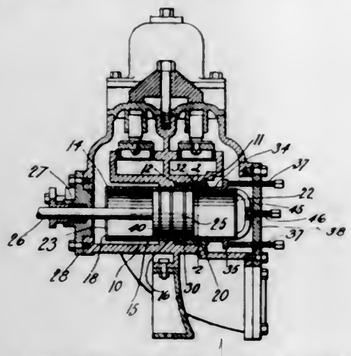
1. A stove board of the class described including a body board, a platform disposed over the body board and provided with a depending marginal flange slightly spaced from the side of the body board, and a band disposed about said flange extending a distance above the platform and provided at its bottom with an inturned upwardly extending flange disposed between the flange of the platform and the sides of the body board.

1,510,041. DUPLEX WIPER FOR WINDSHIELDS. WALTER W. CHAMBERLAIN, Watertown, N. Y. Filed June 7, 1924. Serial No. 718,543. 1 Claim. (Cl. 15—251.)



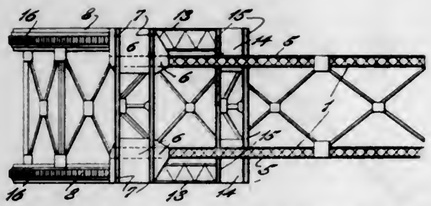
A duplex wind-shield wiper for vehicles, comprising spaced depending wiper arms, the lower ends of said arms being bent outwardly and terminating in a threaded stud, wiping brushes mounted on said arms near said studs, shafts for pivotally supporting said arms journalled in the frame of the wind-shield, a tie-rod having its opposite ends swiveled to said outwardly bent portions for effecting the oscillation of said arms and brushes as one part, and crank rods carried by said shafts adapted to be used singly at the option of the driver or a passenger seated beside the driver for effecting the simultaneous oscillation of said brushes.

1,510,042. PUMP LINER. LOUIS O. CLEWETT, Los Angeles, Calif., assignor to Los Angeles Pump & Supply Co., a Corporation of California. Filed Nov. 4, 1922. Serial No. 599,124. Renewed Apr. 2, 1924. 9 Claims. (Cl. 74—108.)



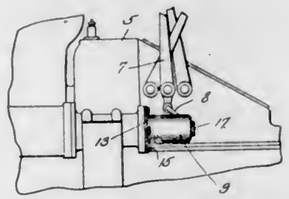
1. In a pump, the combination of: a cylinder; an adapter within said cylinder; a liner held in said adapter; a packing ring between said liner and said adapter; a packing ring between said adapter and said cylinder; and means for longitudinally compressing said packing rings so as to form a seal between said members.

1,510,043. BASCULE BRIDGE. ANDREW O. CUNNINGHAM, St. Louis, Mo. Filed May 5, 1920. Serial No. 378,964. 4 Claims. (Cl. 14—36.)



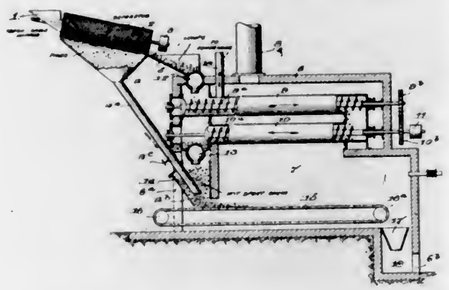
1. A bascule bridge comprising a single pair of columns, a leaf pivotally supported on said columns to swing vertically, and counterweights for said leaf, the truss members of the leaf being in line with the respective columns and said counterweights being offset laterally from the body of the leaf far enough to clear the respective columns.

1,510,044. STARTER CASING. FLETCHER A. DANNELLEY, Lockhart, Tex. Filed Nov. 3, 1922. Serial No. 598,057. 1 Claim. (Cl. 74—56.)



In a motor-propelled vehicle, a transmission housing, a chassis rail disposed adjacent to the housing, a pedal and a pedal-operated member mounted on the housing, a rearwardly extended sleeve, securing elements connecting the sleeve to the housing, the chassis rail and the pedal-operated member being so located as to render certain of the securing elements inaccessible, and a rearwardly extended bendix casing threaded on the sleeve, the casing, the pedal and the pedal-operated member being located on the same side of the housing, the casing being provided on its rear end with a wrench-engaging means, the pedal-operated member being located in advance of the wrench-engaging means, and the wrench-engaging means being of such diameter that a wrench applied thereto may be operated readily between the transmission housing and the chassis rail.

1,510,045. METHOD OF FIRING RETORT FURNACES. DAVID T. DAY, Washington, D. C. Filed June 15, 1923. Serial No. 645,632. 9 Claims. (Cl. 110—101.)

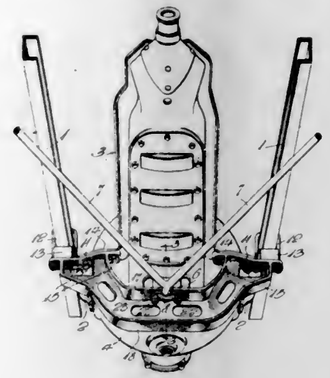


2. The method of firing retort furnaces, which method comprises treating fresh oil shale to separate it into fines and lumps, passing the lumps through a retort heated by a furnace, passing the hot spent shale from the retort, and using the spent shale while yet hot together with the fresh shale fines as the fuel for the furnace.

1,510,046. SEPARATION OF ALKALI-METAL SALTS. CLINTON E. DOLBEAR, San Francisco, Calif., assignor to Industrial Research Co., San Francisco, Calif. Filed Aug. 18, 1923. Serial No. 658,186. 5 Claims. (Cl. 23—22.)

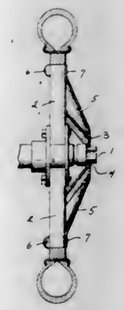
1. That step in the method of separating from each other different alkali-metal salts held in common in solution, which consists in adding ammonia to the solution to selectively precipitate them.

1,510,047. MOTOR SUPPORT AND THRUST MEMBER. WILLIAM G. DUNN, Clarinda, Iowa. Filed Nov. 21, 1921, Serial No. 516,849. Renewed Aug. 7, 1924. 4 Claims. (Cl. 180—64.)



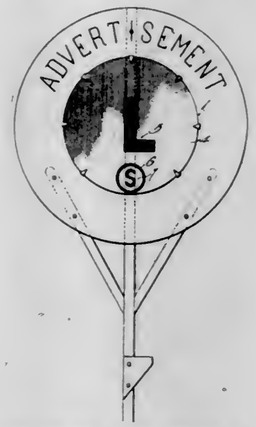
4. A thrust member comprising a bar adapted to extend across a chassis frame under the rear end of the motor, said bar having a hemi-spherical projection formed on its upper side for reception in the usual radius rod ball socket of the motor, said bar being provided with a downwardly opening hemi-spherical socket extending into said projection to receive the radius rod ball, said last named socket being adapted for coaction with the usual cap to hold the ball in place, and means for securing said bar to the chassis frame.

1,510,048. WHEEL GUARD. ELISHA FRANKLIN EVANS, Homerville, Ga. Filed Feb. 14, 1924. Serial No. 692,901. 4 Claims. (Cl. 301—37.)



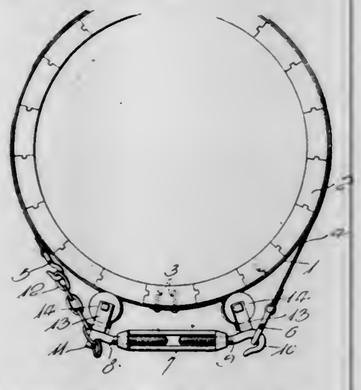
1. The combination with a vehicle wheel including a hub having a cap and spokes extending from the hub, of a guard including a central portion having a centrally located opening for receiving the hub cap of the wheel, arms extending from the central portion of the guard in radiating relation and extending at an incline for engagement with the outer end portions of the spokes of the wheel, said arms being curved transversely and having their outer free end portions in flat engagement with the spokes of the wheel and provided with side wings extending upon opposite sides of the spokes and, together with the outer end portions of the arms, constituting arms snapped into straddling relation to the outer end portions of the spokes and releasably holding the guard in connection with the wheel.

1,510,049. LUMINOUS SIGN. ANDREW A. FAIR, Sioux City, Iowa. Filed Jan. 15, 1923, Serial No. 612,735. Renewed Feb. 25, 1924. 6 Claims. (Cl. 40—135.)



3. A luminous highway sign operable by the projected rays of approaching vehicle headlights, comprising a reflecting surface, and a sheet of light diffusing material applied to said reflecting surface.

1,510,050. HOOP SETTER. PERL F. FLOWER, La Fayette, Ind. Filed July 5, 1923. Serial No. 649,661. 10 Claims. (Cl. 217—95.)



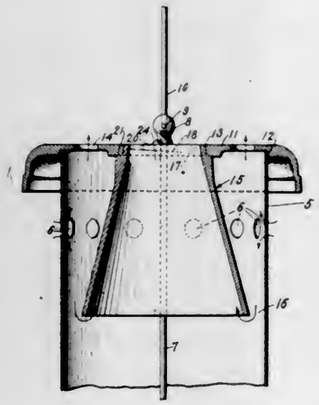
1. A method of forming a hoop for a tub comprising placing a strip about the tub passing a tightener about the tub in overlying relation to the strip and tightening the tightener to hold the strip tightly about the tub with its end portions overlapping, and passing fasteners through the overlapped end portions of the strip into the tub.

1,510,051. BELT CONVEYER. BYRON FORBES, Miami, Ariz. Filed May 29, 1922. Serial No. 564,367. 4 Claims. (Cl. 198—202.)



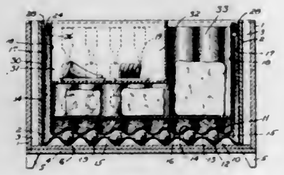
1. In combination with a conveyer belt a plurality of self aligning idler means distributed along the length of the belt, each of said self aligning idler means being pivotally mounted to enable it to swing laterally of the belt and being provided with belt supporting idler rolls and with means adapted to engage the respective edges of he belt to swing the idler means so as to cause the belt to be aligned by operation of the belt supporting idler rolls, and fixed idler means distributed along the conveyer belt and interposed between the said self-aligning idler means.

1,510,052. COMBINED TOP AND TRUNCATED-CONE RADIATING FLUE FOR OIL STOVES. ABRAHAM M. GOLDSTONE, Baltimore, Md. Filed May 19, 1924. Serial No. 714,456. 4 Claims. (Cl. 126—96.)



1. A stove-top which includes a crown having a central opening therethrough and a downwardly and outwardly flared frusto-conical chimney united with the crown and having its outlet through said opening, said crown being formed with a series of outlets around said central opening.

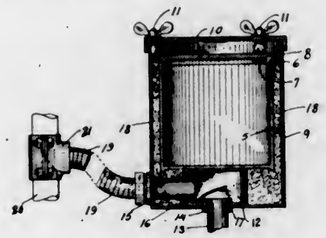
1,510,053. BOTTLE REFRIGERATOR. ELIHU C. GRACE, Mobile, Ala. Filed Mar. 20, 1924. Serial No. 700,689. 7 Claims. (Cl. 62—34.)



7. A bottle refrigerator comprising a chamber provided with a plurality of nested transversely corrugated tanks each tank so spaced and so disposed one inside the other that the corrugations of said tanks will form a plurality of longitudinally disposed rows of passageways adapted to receive curved rows of bottles and a fluid to buoy up said bottles each row of passageways being of U-shaped cross section and means located within the innermost tank for cooling said fluid and bottles.

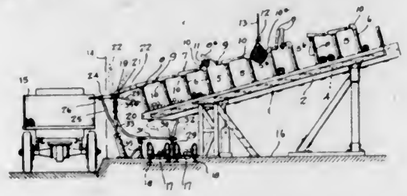
1,510,054. COOKER FOR AUTOMOBILES. FUHRMAN L. HAINES, Denver, Colo. Filed Apr. 1, 1922. Serial No. 548,767. 4 Claims. (Cl. 126—20.)

1. In a cooker adapted to be heated by hot gases, a container, a pot within said container and spaced therefrom by means of heat insulating material, a heat box within the container said box having its upper surface in contact with the bottom of the pot, a pipe leading into



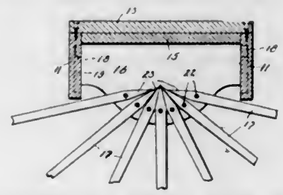
said heat box through one side thereof, a second pipe connected to the bottom of said box and a deflector plate in said box between said pipes.

1,510,055. LOADING RACK FOR WAREHOUSES. HARRY F. HALDEMAN, Los Angeles, Calif. Filed Mar. 5, 1923. Serial No. 622,808. 10 Claims. (Cl. 212—16.)



1. A rack for facilitating delivery of rod-like material of different sizes, from a warehouse, comprising a supporting floor for the material, uprights carried by the floor dividing the same into compartments for the different sizes, and an inclined skidding rail disposed over the compartments with its depressed end located at the side of the warehouse and having movable sections corresponding to the compartments, adapted to be raised to give access to the compartments.

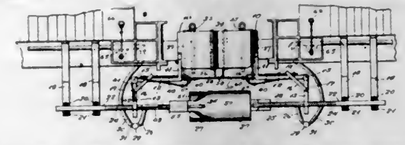
1,510,056. CLOTHES HANGER. ARTHUR L. HAMSON, Los Angeles, Calif., assignor of one-fourth to Bernhard J. Lampe, Los Angeles, Calif. Filed Oct. 2, 1923. Serial No. 666,071. 9 Claims. (Cl. 45—13.)



3. In combination, a support having two spaced side parts, a body having two spaced flanges, a plurality of arms extending between the flanges and pivotally connected therewith so that they can be folded together or spread apart, and means for holding the body between the side parts so that it is movable between a position where the arms extend downwardly and a position where the arms project outwardly.

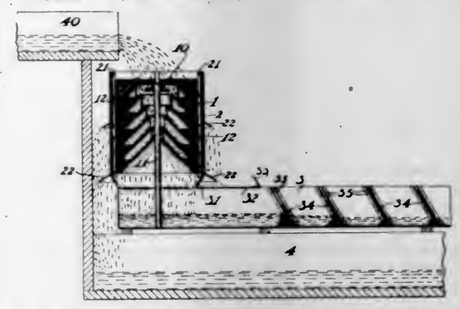
1,510,057. AIR-TRAIN-LINE COUPLING. SAMUEL J. HAYES, Rock Hill, S. C. Filed Oct. 2, 1923. Serial No. 666,206. 12 Claims. (Cl. 23—76.)

1. In combination with the ordinary hose couplings for railway cars, an attachment comprising a second pair of coupling members, locks for said second coupling members, means for releasing said locks on separation of the cars in case the cars are uncoupled, and means for



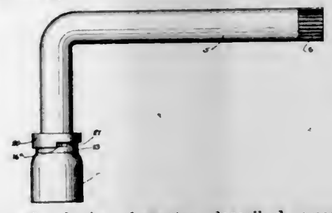
preventing the operation of said releasing means in case a coupling pin or hinge pin breaks or in case the draw head pulls out.

1,510,058. SCREENING DEVICE. RICHARD D. HELLER, Boise, Idaho. Filed Apr. 4, 1921. Serial No. 458,374. 7 Claims. (Cl. 210—172.)



1. The combination with a primary self-cleaning screen for the elimination of a considerable percentage of the water, of a flow channel for receiving the unscreened water and the débris, having a series of screens adapted to be overflowed when clogged, and to successively function to retain the débris as the preceding screens of the series become clogged.

1,510,059. WRENCH. OTTO D. HOLLE, Bremen, Kans. Filed July 25, 1923. Serial No. 653,768. 3 Claims. (Cl. 81—62.)



1. A tool of the character described comprising a socket portion having a bored shank, said shank having diametrically opposed slots and a groove extending substantially half-way around said shank, a spring in said groove, a handle adapted to enter said shank and having its extremities provided with elongated teeth, pawls associated with said socket portion and entering said slots and means for operating said pawls for the purpose of either locking the handle to the socket portion or operating so the tool may be used as a ratchet.

1,510,060. GAS BURNER. MERTON DE FLURA HOOVER and ORVILLE L. M. HOOVER, Dallas, Tex. Filed Dec. 5, 1923. Serial No. 678,594. 2 Claims. (Cl. 158—118.)

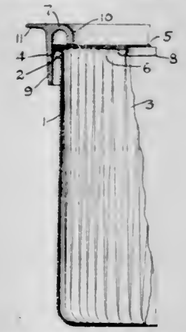
1. A burner of the class described comprising a mixing tube through which air is adapted to pass, one end of said tube being closed by a perforated mixing screen, a supply pipe within said tube having a cap thereon, perforated distributing arms radiating from said cap, said mixing tube being adjustable with respect to said supply pipe for varying the space between said cap and

screen, means carried by said pipe for breaking up the air as it passes through said tube, a closing element for said tube slidable upon said pipe for controlling



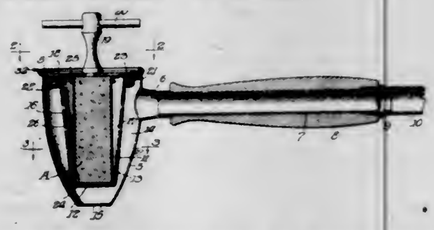
the amount of air passing through said tube, and means for maintaining said closing element in any adjusted position upon said pipe.

1,510,061. PORTABLE COMMODE. HENRY P. JONES, Buffalo, N. Y. Filed Mar. 24, 1923. Serial No. 627,316. 8 Claims. (Cl. 4—138.)



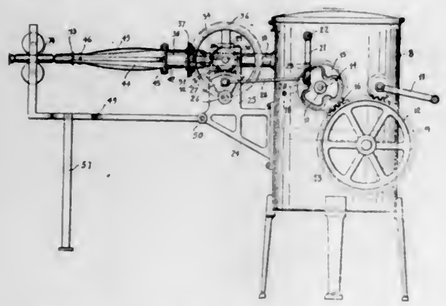
1. In a portable commode, in combination, a vessel, a seat member removably fitted thereon and having means whereby it is held against sliding displacement, and a member having a flat bearing upon the upper edge of the vessel and engaged from above by the seat member and along its edge by said means, said last named member being thereby confined against displacement relatively to the vessel and to the seat member.

1,510,062. WASHING DEVICE. JAMES F. KENNEY, Maywood, Ill. Filed Sept. 20, 1922. Serial No. 589,437. 5 Claims. (Cl. 299—83.)



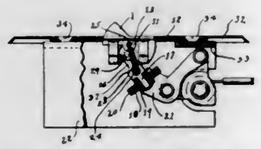
1. A portable washing device for domestic use and the like having a casing open at the bottom and having an induction passage at the side, said passage being extended to form a handle for manipulating the device, a soap container within the casing spaced from the sides and bottom whereby clear water may flow down through the casing and out through the bottom, the soap container being located opposite to the induction passage, and the entering liquid consequently being deflected approximately through a right angle between its entrance and exit, the soap container comprising a receptacle having holes in the side, and a rotatable member having holes adapted to register with the holes in the receptacle for varying the size of the openings, and a handle on top for regulating the position of the rotatable member.

1,510,063. SAUSAGE-LINKING MACHINE. ISIDORE KERTES, New York, N. Y. Filed Jan. 18, 1924. Serial No. 687,019. 7 Claims. (Cl. 17—33.)



1. In mechanism of the character described, the combination with a conical tube supported for rotation and means thereon for holding a sausage casing in position to be filled with sausage meat pressed through said tube, of a pair of superposed rollers arranged to receive the stuffed casing, said rollers having annular corrugated surfaces to prevent lateral turning of the stuffed casing, one of said rollers having a spring-pressed axis adjustable towards and away from the other roller, and means for intermittently rotating said conical tube to twist the sausage line into links.

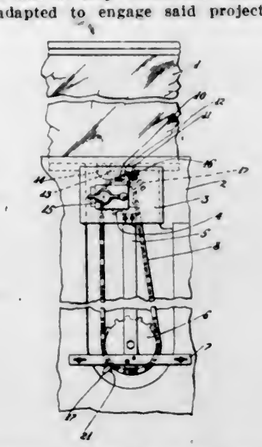
1,510,064. ELECTRICAL SWITCH. FRANK E. KLOSS, Milwaukee, Wis. Filed Dec. 27, 1921. Serial No. 525,086. 7 Claims. (Cl. 200—72.)



1. A tumbler switch comprising a support, operating means pivotally mounted upon said support, a lever pivotally and slidably carried by said means, a spring tending to rock said lever, and a pair of stops located in the path of movement of said lever, whereby when said lever suddenly strikes one of said stops its pivoted end will slide relatively to said operating means to thereby produce a cushioning effect.

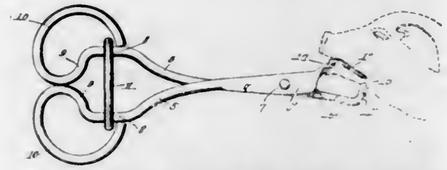
1,510,065. ADJUSTABLE STOP FOR WINDOW REGULATORS. PETER JOHN KURSCHEIDT, Brooklyn, N. Y., assignor to Perfect Window Regulator Company, New York, N. Y., a Corporation of Maine. Filed Feb. 27, 1922. Serial No. 539,371. 9 Claims. (Cl. 268—4.)

1. In a window regulator, a sprocket, a chain running thereover for transmitting motion to the window, a projection and a stop detachably fastened to said chain and adapted to engage said projection for pre-



venting movement of the window beyond any given predetermined position in its travel.

1,510,066. VETERINARY OBSTETRICAL INSTRUMENT. AASNE MADLAND, McKenzie, N. Dak. Filed Apr. 5, 1923. Serial No. 630,160. 1 Claim. (Cl. 128—324.)



An instrument of the character described comprising, a pair of pivoted arms, said arms being provided at their rear ends with spaced substantially parallel portions and inclined portions rearwardly of the parallel portions, said inclined portions being continued in forwardly extending loops having their ends terminated adjacent to the parallel portions, a link carried by the rear ends of said arms and adapted for movement upon said parallel portions for locking the arms against opening movement, the forward movement of the link being limited by contact with the forward ends of said loops, a shank carried by the forward end of one arm and projecting outwardly and interally therefrom and provided with a longitudinally extending jaw to engage within the lower jaw of the pig, a shank carried by the other arm and projecting forwardly thereof and provided with an inwardly projecting jaw extending toward the first named jaw and having a blunt end to engage with the exterior of the jaw of the pig without liability of puncture.

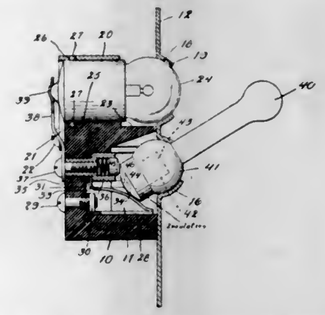
1,510,067. RUST-DISSOLVING LIQUID. EAIK J. NORBERG, Everett, Wash. Filed Feb. 26, 1923. Serial No. 621,473. 3 Claims. (Cl. 148—8.)

1. A composition adapted to penetrate and dissolve rust, comprising in its larger proportion an acid liquid, a smaller proportion of crystalline burning acid such as carbolic acid, and a pungent and mobile liquid obtained by destructive wood distillation.

1,510,068. SWITCH. JOHN F. O'MALLEY, Geneva, N. Y. Filed Jan. 26, 1922. Serial No. 531,963. 6 Claims. (Cl. 200—167.)

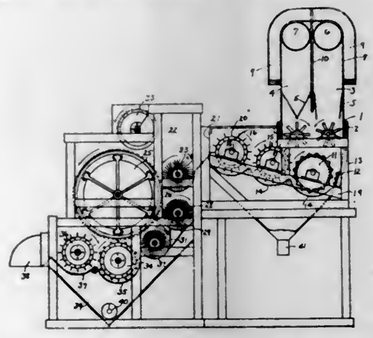
4. A switch of the character described comprising a body of insulating material chambered out to provide

a plurality of intersecting recesses, stationary contacts mounted within said recesses, a plurality of contacting spring contacts located within the respective recesses and normally spaced from said stationary contacts, a face plate secured upon the body and covering said chambered out portion, said face plate being formed with a somewhat spherical flange surrounding an opening opposite the center of the chambered out portion of the body, a lever formed with a ball portion revolubly mounted within said flange and carrying a button of insulating material, said flange being formed with a series of notches corresponding to the number of re-



cesses, said lever being engageable within a selected one of said notches whereby to bring said button into engagement with one of said spring contacts for forcing the latter into engagement with the associated contact, a bracket secured externally upon said body, the adjacent portion of the body portion being cut away and mating with the bracket to form a socket, an incandescent bulb mounted within said socket, said face plate being formed with an opening through which said bulb partially projects, and a metallic strip having one end connected with said spring contacts and having its other end engaging against the central contact of the bulb.

1,510,069. COTTON-HULL-EXTRACTING MACHINE. JOHN ARNOLD STREUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex. Filed Jan. 2, 1924. Serial No. 683,862. 7 Claims. (Cl. 19—38.)

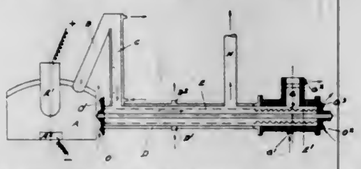


3. A cotton hulling device comprising a pair of feeding rollers, two valves controlled chutes adapted to discharge cotton alternately to said rollers, means to fill the said chutes alternately, means below said feeder rolls to break up bolls and agitate the cotton, a saw cylinder, conveyor rolls closely adjacent said saw cylinder arranged to carry said cotton repeatedly across the length of said cylinder and to discharge the hulls at the end of the lowest of said conveyor rolls, means to remove said cotton from the cylinder and separate means to discharge said cotton from the machine.

1,510,070. PROCESS FOR TREATING FIBROUS MATERIALS FOR PAPER MAKING AND OTHER PURPOSES. CHARLES WEYGANG, Maidenhead, England. Filed June 9, 1922. Serial No. 567,198. 2 Claims. (Cl. 92—13.)

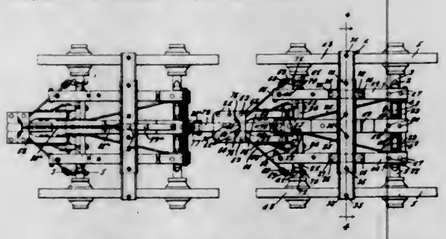
1. In a process for the treatment of straw to produce a paper making material, treating the straw with a chemical liquor comprising 8 parts by weight of caustic lime slacked and diluted with water to a paste, 1 to 4 parts by weight of a mineral oil such as petroleum and 4 to 8 parts of carbonate of soda, as set forth.

1,510,071. APPARATUS FOR PRODUCING ZINC POWDER. FOLKE JARL ANDERS WENNERGREN and FRIDTJOF ANDERSEN, Trollhattan, Sweden, assignors, by mesne assignments, to Trollhättan Elektrothermiska Aktiebolag, Stockholm, Sweden. Filed Oct. 6, 1922. Serial No. 592,821. 3 Claims. (Cl. 266—19.)



1. The combination with a furnace for producing metal vapors mixed with noncondensable gases, of a pipe for discharging said vapor and gas from the furnace, a substantially vertically arranged condenser connected to the outlet end of said pipe, means for cooling said condenser, a receiver connected to the outlet of the condenser, means for maintaining the receiver in cooled condition, a powder outlet connected to said receiver and arranged to cause the powder to rise and form a powder seal at the outlet end of the receiver, a gas discharge pipe connected to the receiver between the powder inlet and outlet, and a conveyer arranged in the receiver and adapted to force powder along the receiver and into the powder outlet.

1,510,072. EIGHT-WHEEL WAGON. BENNIE LEE ZEAGLER, Lufkin, Tex., assignor to The Martin Wagon Company, Lufkin, Tex. Filed May 14, 1921. Serial No. 469,596. 5 Claims. (Cl. 280—81.)



1. In a device of the class described, a frame; a rear axle carried by the frame; a front axle mounted to swing with respect to the frame; draft members carried by the front axle; a tongue mounted in the draft members; a block connecting the draft members; connections having their rear ends assembled with the forward axle, the forward ends of the connections being slidable in the block; and adjusting devices on the forward ends of the connections and cooperating with the block.

1,510,073. PACKING STRUCTURE AND METHOD OF MAKING SAME. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Feb. 9, 1923. Serial No. 617,902. 12 Claims. (Cl. 29—156.)

1. An expansible packing structure comprising a tubular member longitudinally slit from one end inwardly and at circularly spaced intervals to form a series of blades, the several slits being closed throughout their length and transversely angled, whereby each blade throughout its length has a permanent coengagement with the adjacent blades.

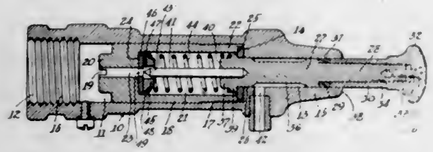


5. In a method of forming a cylindrical expansible packing structure, the steps consisting of longitudinally slitting through the wall of a hollow piece of material from one end inwardly and at circularly spaced intervals in transverse planes out of registry with the axis of said structure to form a series of blades, closing the several slits to bring the blades into cooperative engagement, and subsequently turning the piece to gauge.

1,510,074. ACCELERATOR FOR THE VULCANIZATION OF CAOUTCHOUC. CLAYTON WING BEDFORD, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed May 17, 1919, Serial No. 297,920. Divided and this application filed Nov. 24, 1919, Serial No. 340,262. Again divided and this application filed June 10, 1922. Serial No. 567,433. 6 Claims. (Cl. 260—23.)

5. The process of producing a sulphur-nitrogen accelerator which consists in admixing methylene-aniline and aniline, heating the mixture, subsequently adding sulphur thereto and again heating the mixture, eliminating hydrogen sulphide and aniline.

1,510,075. LIQUID DISPENSER. GABRIEL A. BOBRICK, Los Angeles, Calif. Filed Feb. 21, 1921. Serial No. 446,885. 11 Claims. (Cl. 221—102.)



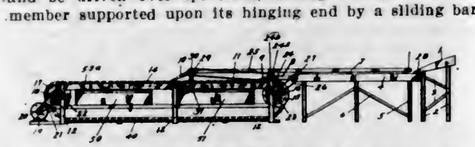
1. The combination with a liquid dispenser, having a displacement chamber, inlet and outlet ports in said chamber, a valve for the outlet port, yielding means to hold said valve normally seated in said outlet port, and a valve pin carried by said valve adapted to extend into and close said inlet port when the outlet valve is open; of a flexible plate mounted adjacent said inlet port having an aperture in axial alinement therewith, the said aperture being of smaller area than the cross-sectional area of the valve pin, the said pin being adapted to extend through said aperture and be frictionally engaged by its perimeter to seal the closure of the inlet port, a secondary plate having an aperture and bearing against the inner face of said flexible plate, the said valve seating means being confined between the last named plate and the valve.

2. In a liquid dispenser, a displacement chamber having a port and a longitudinally movable pin adapted to move to and from said port, a compressible washer arranged at the ported end of the chamber and having an opening which is effectively smaller than the pin, the pin being movable through said opening and pressure means pressing on the washer and acting to keep its opening reduced in size.

1,510,076. GRADING MACHINE. DAVID B. CARR, Portland, Oreg. Filed Feb. 15, 1923. Serial No. 619,251. 10 Claims. (Cl. 130—32.)

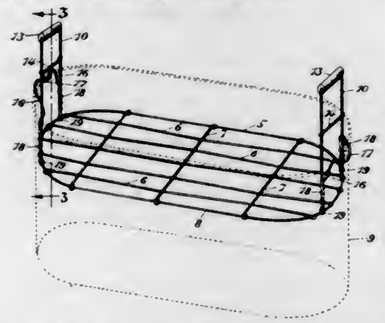
1. The combination in a machine of the character described of a segregator endless chain adapted to run

and be driven over sprockets, having a hinged bottom member supported upon its hinging end by a sliding bar



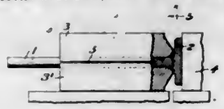
adapted to move along adjustable link supports to govern the time and location of the opening to be created by the hinging down of the hinged bottom.

1,510,077. CLOTHES DRAINER. EDWARD W. HACKNEY, Bridgeport, Nebr. Filed Sept. 22, 1923. Serial No. 664,180. 2 Claims. (Cl. 68—30.)



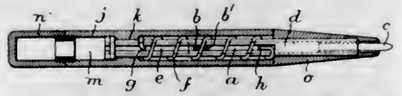
1. A clothes drainer of the character described comprising a clothes-support and a handle pivotally connected at an end thereof, said handle consisting of a body-member composed of a single piece of wire bent and formed to provide a pair of arms, a suspension-hook intermediate of said arms and pivot-loops at the lower ends of the same, and a hand-grip connected at the upper ends of the arms.

1,510,078. WELDING AND FORGING DIE. PRESTON M. HALL, Swampscott, Mass. Original application filed Jan. 20, 1922. Divided and this application filed Apr. 30, 1923. Serial No. 635,465. 3 Claims. (Cl. 219—4.)



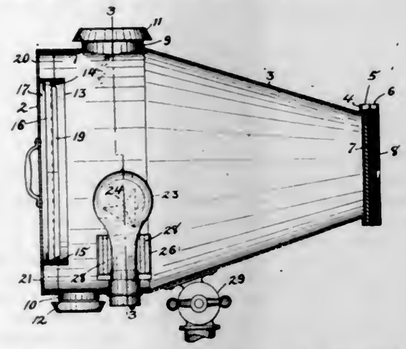
1. An electrical welding and forging die tapered or cut back from the edge of the forging cavity and forming a trimming edge for trimming away excess metal around the forged part of the work as and for the purpose described.

1,510,079. PROPELLER PENCIL. GEORGE REGINALD HUDSON, London, England. Filed Feb. 2, 1922. Serial No. 533,616. 3 Claims. (Cl. 120—18.)



3. In a propeller pencil, in combination, a carrier for the lead, a tubular member surrounding the carrier, a slot in the said member, a key on the carrier projecting into the slot, an opening in the key, a wire helix surrounding the tubular member engaging in the said opening, a casing fixed to the front part of the tubular member, a holder making frictional engagement with the helix enclosing the tubular member and abutting against the said casing, an internal shoulder near the rear end of the holder, a collar on the rear end of the tubular member, and a compression spring inserted between the said shoulder and the washer to maintain the rubbing contact between the front end of the holder and the casing fixed to the tubular member.

1,510,080. THERAPEUTIC RAY APPLIANCE. DAVID S. MURPHY, Fort Wayne, Ind. Filed Aug. 9, 1922. Serial No. 580,663. 4 Claims. (Cl. 240—1.)



1. In therapeutic ray apparatus, an enclosure consisting of a drum with a contiguous frustum at one end thereof and a removable head at its other end and also a ventilating outlet at its top and bottom; an open frame at the mouth of the frustum having recesses therein spaced apart; filter plates removably positioned in the corresponding recesses and being held apart so as to admit of circulation of air therebetween; a radiator in the drum; an annular flange extending inwardly from the head of the drum; a mirror member comprised of two similar portions spaced apart and positioned within the flange; two reflecting strips arranged adjacent each other and positioned between the mirror portions, the forward edges of said strips projecting beyond the corresponding faces of said portions and presenting angular faces, there being a ventilating space between said mirror member and the head of the drum and also ventilating openings in said head; a pair of auxiliary reflecting members adjustably positioned within the drum, one on each side of the radiator and each having a series of glass strips arranged side by side with their upper edges exposed; and a pair of prisms adjustably positioned within the drum one on each side of the radiator, said auxiliary reflectors and prisms being adapted to be severally tilted at various angles.

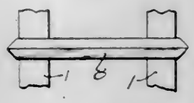
1,510,081. PAINT MIXER. LORIN D. RULAND, Binghamton, N. Y. Filed Mar. 25, 1924. Serial No. 701,864. 2 Claims. (Cl. 259—107.)



1. In a paint mixer, a rotating shaft adapted to be pivotally mounted in a container, the shaft having an upper paddle vertically mounted therein, consisting of two oppositely disposed parallel arms spaced apart, on each side of the shaft, a wire mesh mounted between the arms, a lower paddle spaced apart from the upper paddle comprised of an oppositely disposed projecting arm on each side of the shaft vertically mounted therein, in alinement, each arm having on one side a metal plate having at its upper edge an outward projecting hori-

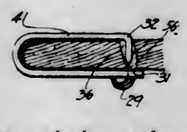
zontal blade, and at its lower edge an outward projecting downwardly inclined blade, the plate and blades on one arm mounted on the opposite side from the plate and blades of the other arm, a pivot projection on the lower end of shaft, a turn handle mounted on top of shaft for rotating the same.

1,510,082. WALL FORM. JOHN AARSRUD, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,115. 1 Claim. (Cl. 25—131.)



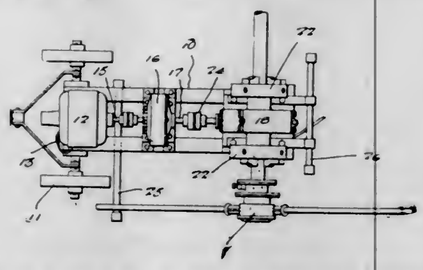
A wall form comprising a frame for holding wall forms in position on the wall, said frame consisting of U-shaped members constructed or angle irons, the vertices of said irons being disposed on the outer side of the frame, reenforcing plates disposed at the bend in the said U-shaped member, a bar connecting said plates together, bolts connecting the free ends of each frame together, wall forms having openings adapted to receive said bolts whereby said wall forms are supported in adjusted position on the wall, the tops of said forms bearing against the bar whereby they are prevented from swinging inwardly.

1,510,083. EAR TAG. ARTHUR H. BERNTSON, Salt Lake City, Utah. Filed Apr. 18, 1922. Serial No. 555,473. 4 Claims. (Cl. 40—3.)



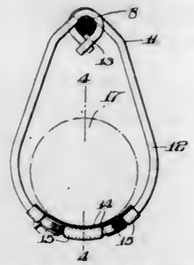
4. In an ear tag made from a flat strip of material and comprising a body portion having a tongue-base portion at one end thereof with an eyelet portion at the other end; the combination therewith, of a buttress integrally formed in the said tongue-base portion, the said buttress having approximately the form of a half hollow cone, the base of the cone being adapted to bear against a face of the said body portion, for the purpose specified.

1,510,084. PORTABLE POWER DRIVE. CHARLES F. BRAINERD and GEORGE H. TOULSON, Endicott, N. Y. Filed Dec. 11, 1922. Serial No. 606,262. 3 Claims. (Cl. 10—89.)



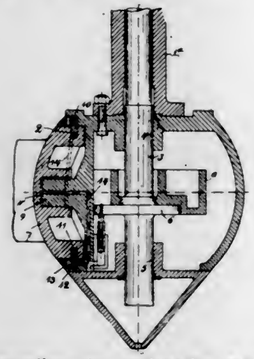
3. In a device of the character described, a support, a motor driven shaft mounted thereon and carrying chucks adapted to hold an element to be cut, a cutting tool having a handle, and a pair of rods slidable across the support at opposite sides of the shaft, either rod being adapted to have either end extended into position for engagement by the handle of the cutting tool whereby to act as a stop for holding the tool stationary.

1,510,085. CABLE SUPPORT. ORSON W. BRENIZER, Philadelphia, Pa., assignor of one-fourth to Andrew V. Groupe, Philadelphia, Pa. Filed Aug. 13, 1920. Serial No. 403,196. 10 Claims. (Cl. 248—33.)



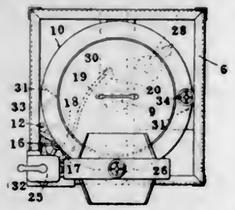
1. A cable support comprising a messenger wire, two spaced hangers connected thereto and depending therefrom and provided with means to prevent longitudinal displacement thereof relatively to the messenger wire, each hanger being provided with a loop adapted to receive and confine a cable therein, and a cable receiving and supporting plate extending between and supported by said hangers within the said loops thereof and provided with means to prevent displacement thereof relatively to one of said hangers.

1,510,086. ARRANGEMENT AT HUBS FOR TURBINE, PUMP, OR PROPELLER WHEELS WITH TURNABLE VANES. JOHN ELOV ENGLESSON, Kristinehamn, Sweden. Filed Mar. 14, 1923. Serial No. 624,937. 15 Claims. (Cl. 170—163.)



1. In a propeller, the combination with a hub and vanes rotatably mounted therein, of a central pivot for each vane and an annular bearing member engaged by the vane, said bearing member being adapted to resist only forces parallel to the axis of said pivot.

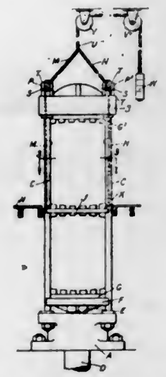
1,510,087. WASHING MACHINE. THOMAS L. JONES and HENRY J. GILLMANN, Belleville, Ill. Filed Nov. 12, 1921. Serial No. 514,608. 3 Claims. (Cl. 68—18.)



1. In a device of the class described, the combination with a receptacle having imperforate vertical walls and

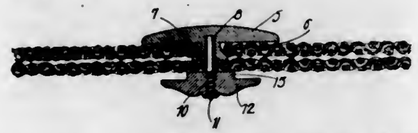
mounted on a vertical axis, of means for oscillating said receptacle on its axis, and a duplex baffle plate carried on the periphery of said receptacle, said baffle plate having two oppositely disposed concave faces, the edges of said plate contacting with the vertical walls of said receptacle.

1,510,088. DUMPING PRESS. CHRISTOPHER CULLEN HUGHES, Bondi, New South Wales, and JOHN LEWIS, Waverley, New South Wales, Australia. Filed Sept. 18, 1923. Serial No. 663,440. 4 Claims. (Cl. 100—19.)



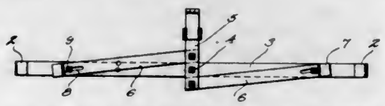
1. In a bale dumping press having sufficient drift between the moving platen and fixed head to admit two bales one superposed on the other, a double-sided floating follower arranged horizontally, means for temporarily supporting same in an approximately midway position in the press but permitting it to be moved towards one end thereof, and means for temporarily supporting it in a position near one end of the press.

1,510,089. BUTTON. GEORGE KELLOG, New York, N. Y. Filed July 26, 1923. Serial No. 653,986. 1 Claim. (Cl. 24—105.)



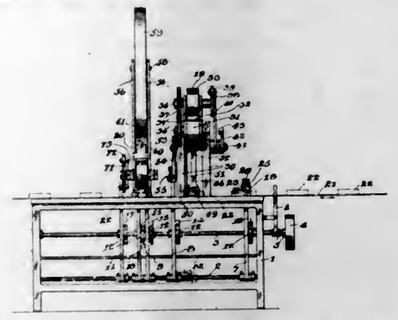
A button of the class described comprising a head, having a truncated, pyramidal shank, a stud secured within the shank, said stud having a threaded portion and a pointed extremity for piercing the material or fabric, and a cap threaded on the stud for fastening the bottom face of the shank to the fabric.

1,510,090. RAIL TIE. JAMES PERRY LAIRD, Sr., Carnwath, Pa. Filed Mar. 7, 1924. Serial No. 697,660. 2 Claims. (Cl. 238—51.)



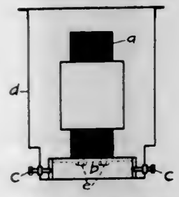
1. In a device for the purpose set forth, a base plate having lipped ends to engage the outer base flanges of rails, a bar centrally pivoted to the base plate, plates pivotally secured to the bar and having outer rail engaging lips, guide means between the said plates and the base plate, and a clamping element hingedly secured to the bar designed to be swung over one of the plates and to be secured to said plate and to the base plate.

1,510,091. LABELING MACHINE. CHARLES W. LAKEY and EDWARD L. CROUCH, Winston-Salem, N. C., assignors to E. Lewis Evans, secretary-treasurer of The Tobacco Workers International Union, Louisville, Ky. Filed Mar. 15, 1923. Serial No. 625,365. 6 Claims. (Cl. 216—25.)



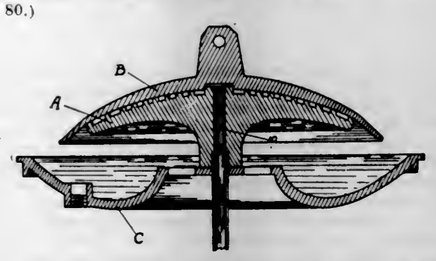
5. A level feeding severing and applying means comprising standards adapted to support a roll of labels in strip form guide and feed rollers located between the standards to feed the strip downward, spaced guides between the standards to receive the marginal edges of the end of the label strip, shearing means located above said guides, a plunger affixing means reciprocable between said guides and means for operating the feed rollers, shearing means and affixing plunger in succession in predetermined order.

1,510,092. MEANS FOR FIXING TRANSFORMERS IN THEIR OIL BOXES. EMIL LAPP, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Filed Apr. 2, 1919. Serial No. 287,094. 2 Claims. (Cl. 175—361.)



1. In means for fixing a transformer in its oil box for transport and like purposes, the combination with said oil box and the transformer body of fixing members such as screws or bolts adapted to come into operative contact with a foot attached to the core of said transformer said fixing member being operable from the outside of said oil box.

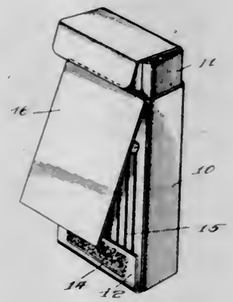
1,510,093. GENERATOR HEAD FOR FUEL-OIL BURNERS. SAMUEL H. LESH, Lincoln, Nebr. Filed Nov. 20, 1923. Serial No. 675,887. 7 Claims. (Cl. 158—80.)



1. In an oil burner of the kind comprising a generator head and a hood therefor and wherein the upper sur-

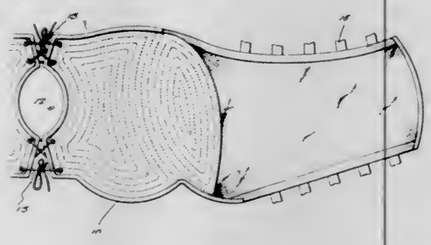
face of the generator head is convex, means being provided for delivering fuel oil to the generator head at its topmost point, spirally arranged ribs on the upper surface of the generator head, said ribs having passages therebetween for conveying the fuel oil toward the periphery of the generator head, said ribs being also so formed as to restrict both the inlets and the outlets of the oil passages.

1,510,094. CIGARETTE BOX. GERTRUDE A. MACVEY, Brooklyn, N. Y. Filed Feb. 19, 1923. Serial No. 619,890. 1 Claim. (Cl. 206—48.)



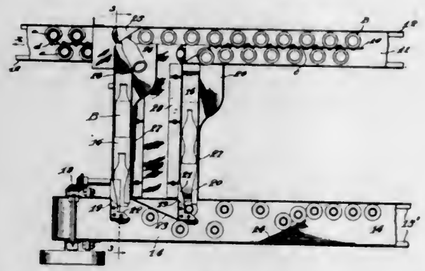
As a new article of manufacture, a cigarette box having a face wall extended at one end to provide a relatively short integral flap, said flap being returned to overlie the outer face of said wall, the outer face of the returned flap being provided with a striking surface, a match pack inserted between the returned flap and the adjacent wall of the box, means disposed through the flap, the wall and the inserted portion of the match pack for holding the flap in overlying relation and the match pack against displacement, said face wall of the box at the end thereof opposite to the flap being provided with an integral elongated flap returned to overlie the outer face of said wall and of a length to engage between the first named flap and the match pack to protect the pack.

1,510,095. PAD. ELMER MADDEN, Mount Washington, Md. Filed May 18, 1923. Serial No. 639,957. 1 Claim. (Cl. 2—2.)



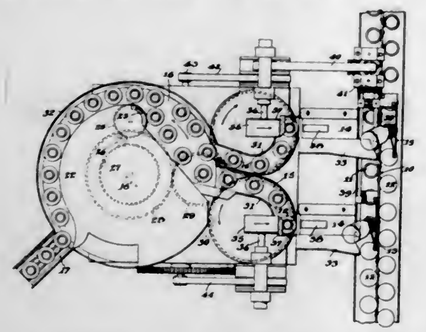
A protective garment adapted to be worn by athletes, and comprising two identically constructed sections, each section including a split sleeve like portion adapted to receive an arm of the user, elastic tapes connecting the free edges of said sleeve like portion to hold the latter tightly about the arm, a pad connected with each sleeve portion at a point immediately above the elbow, said pad being designed to cover the remaining portion of the arm, shoulder, and a portion of the back and chest, the pads of the respective sections being cutaway at the adjacent ends thereof to unitedly define a neck receiving opening and said pads being laced together at the front and back of the user.

1,510,096. AUTOMATIC BOTTLE UNLOADER. CHARLES ALVIN MILLER, Bainbridge, Ga., assignor to Miller Manufacturing Company, Decatur County, Ga., a Corporation of Georgia. Filed July 29, 1922. Serial No. 578,358. 12 Claims. (Cl. 198—33.)



1. The combination with a carrier on which bottles are adapted to be supported in inverted position, of a bottle support arranged laterally thereof and below the level of the same, an endless belt extending between said carrier and support, one terminal of the upper run of said belt being above said support whereby a drop is had between said support and belt, means extending over said carrier in the path of the bottles carried thereon and causing the bottles to topple over onto said belt, and an abutment spaced from the said belt terminal and overlying said support, the bottles being carried bottom forward toward said abutment but passing below the same and landing bottom down on said support, the necks of the bottles striking said abutment as the bottles drop, said abutment preventing overturning of the bottles after they land on said support.

1,510,097. AUTOMATIC BOTTLE UNLOADER. CHARLES ALVIN MILLER, Sr., Bainbridge, Ga., assignor to Miller Manufacturing Company, Decatur County, Ga., a Corporation of Georgia. Filed May 5, 1923. Serial No. 636,893. 9 Claims. (Cl. 198—22.)

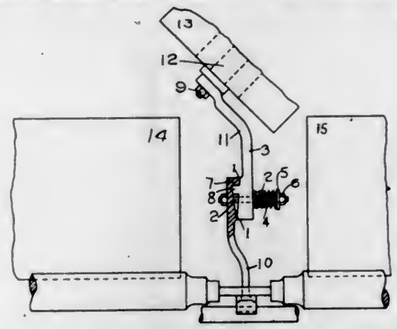


1. In combination, a bottle drop down which bottles may slide bottom foremost, a rotary table on which the bottles are received from said drop, a rotary platform adjacent said table, means for guiding bottles from said table to said platform for placement on the outer edge of the same, and an endless conveyer leading from said platform onto which bottles are received from the platform.

1,510,098. COMBING MACHINE. JOHN W. NASMITH, Manchester, England. Filed Mar. 21, 1923. Serial No. 626,660. 2 Claims. (Cl. 19—115.)

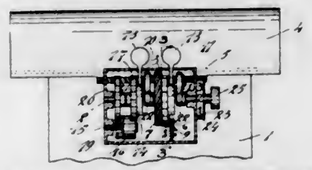
1. In a combing machine creel, means for carrying a reserve lap and swinging the carrying means downwards to be within easy reach of the operative, such means comprising a pivoted arm, means for retaining such arm

in the desired position, and a holder for the reserve lap, such holder being mounted on the pivoted arm in



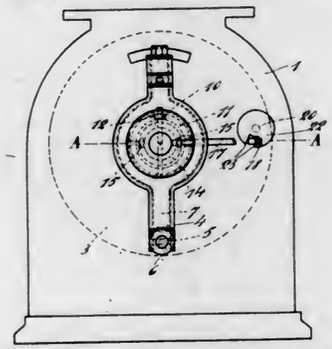
such a manner that its reserve lap in its reserve position lies diagonally between adjacent laps in their working position.

1,510,099. CALCULATING MACHINE. VALENTIN JAKOB ODHNER, Stockholm, Sweden. Filed May 2, 1922. Serial No. 557,864. 11 Claims. (Cl. 235—63.)



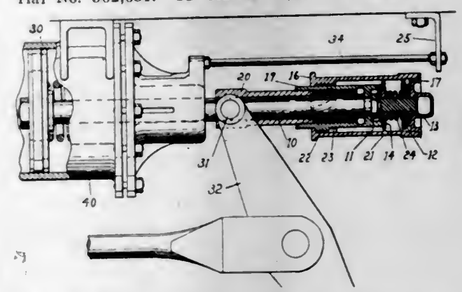
3. In a calculating machine, means for setting the slidable carriage which supports the indicating discs, etc., including a shaft rotatably supported in the frame work, a worm wheel fixed to said shaft, a threaded member on the carriage of the machine engaging said worm wheel, a toothed feeder wheel and a toothed locking wheel rigidly connected to the worm wheel, a second toothed feeder wheel and toothed reversing wheel, rotatably mounted on said shaft, means for locking the locking wheel, levers pivotally mounted on the shaft, keys pivotally connected to the levers and engageable with the feeder wheels for rotating the shaft in opposite directions, a gear fixed on said shaft, and gears connecting the last mentioned gear to said reversing wheel.

1,510,100. CALCULATING MACHINE. VALENTIN JAKOB ODHNER, Stockholm, Sweden. Filed Nov. 17, 1922. Serial No. 601,586. 5 Claims. (Cl. 235—130.)



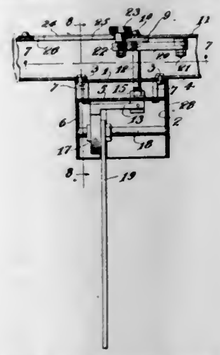
1. An improvement in calculating machines of the type wherein the crank for rotating the calculating wheels is associated with a locking device for locking the crank in zero position, characterized by the combination of a guiding device adapted to maintain the locking device for the crank in inactive position during the rotating of the crank, and a locking device cooperating with a cam disk positively forced into engagement with the cam disks and locking the latter in relation to the calculating wheels when the locking device for the crank is brought to inactive position, the said locking device for the cam disks being brought completely out of gear with the cam disks and liberating them when the locking device for the crank is being brought into active position.

1,510,101. AUTOMATIC SLACK ADJUSTER. ALDEN E. OSBORN, New York, N. Y. Filed May 22, 1922. Serial No. 562,651. 12 Claims. (Cl. 188—202.)



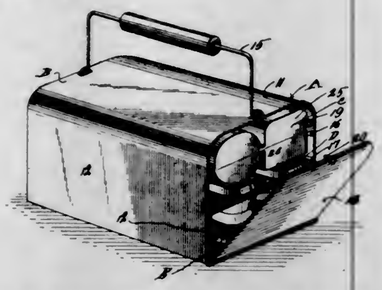
5. In an automatic slack adjuster the combination with an air cylinder, a piston slidable therein and a piston rod connected to said piston and extending beyond the said cylinder, of a threaded sleeve longitudinally slidable on said piston rod, a brake operating lever pivotally connected to said sleeve, a nut rotatably mounted on said piston rod and engaging the thread on said sleeve, a longitudinally slidable element, and means whereby, when said slidable element is moved in relation to and parallel with the direction of motion of said piston rod, said nut is rotated to cause said sleeve to move in relation to said piston upon the piston exceeding a pre-determined movement in said cylinder.

1,510,102. SIGNAL DEVICE FOR VEHICLES. LORENZO PACE, Allentown, Pa. Filed Dec. 23, 1922. Serial No. 608,660. 1 Claim. (Cl. 74—39.)



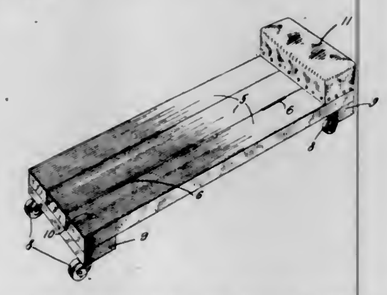
A signal device for vehicles comprising a frame, a shaft, a gear segment fixed to the shaft, a signal arm fixed to the shaft, a second shaft mounted in the frame perpendicular to the first shaft, a gear segment secured to the second shaft adapted to engage the gear segment secured to the first shaft, a lever secured to the second shaft, a reciprocable operating member, a link connecting the operating member with the lever, and a guide for the operating member, said guide provided with an offset detent adjacent each end as and for the purposes specified.

1,510,103. DINNER PAIL. ANDREW B. PERKINS, Colfax, La. Filed July 3, 1923. Serial No. 649,351. 4 Claims. (Cl. 206—4.)



1. In a dinner bucket, a casing, pairs of guideways formed in the casing, trays for carrying different articles of food adapted to be placed in the casing, and right angularly extending guide ribs formed on the trays for slidably fitting in said guides.

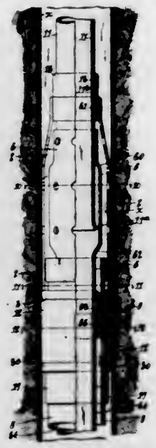
1,510,104. CREEPER. JOHN RAU, Belleville, Ill. Filed Feb. 16, 1923. Serial No. 619,438. 1 Claim. (Cl. 281—61.5.)



A creeper comprising a body portion formed of a plurality of members including outer members and a central member, hinge members having connection with one of the outer members and the inner member, adjacent to the upper edges thereof, hinge members for connecting the opposite outer member and inner member at points adjacent to the lower edges thereof, whereby the members may be folded one upon the other, transversely extending members supported at the ends of the body portion, said transversely extending members having pivotal connection with the body portion at one of their ends, said transversely extending members adapted to support the ends of the body portion, and rollers carried by the transversely extending members.

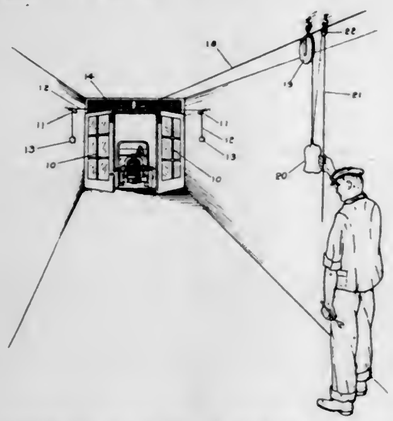
1,510,105. COMPRESSED-AIR FLUID LIFT. RAYMOND W. RICHMOND, Mexia, Tex., assignor of one-fourth to Charles L. Rowan, Houston, Tex.; one-fourth to William A. Sandberg and one-fourth to Franz O. Mjellem, both of Mexia, Tex. Filed Aug. 23, 1922. Serial No. 583,833. 12 Claims. (Cl. 103—233.)

1. In a fluid lift mechanism of the character stated, the said mechanism including a discharge or lift pipe that delivers above the well casing, a tubular member that surrounds and is spaced apart from the discharge pipe and provides an air passage from the top of the well casing to direct the air below the discharge pipe, air ducts that establish communication between the lower end of the discharge pipe and the said upper end of the casing, back check valves between the air intake to the discharge pipe and the oil level, packer devices mounted above the aforesaid air tube, the said devices including an expansible body ring, a stationary ring that constitutes the bottom support for the expansible body ring and a top ring that engages the upper edge of the said expansible body ring and slidably engages the air tube, and a slidable member that constitutes a part of



the outfit which transfers the weight of the overhead portions onto the slidable ring of the packer devices when the lower end of the lift mechanism engages the bottom of the well to thereby expand the said packer body.

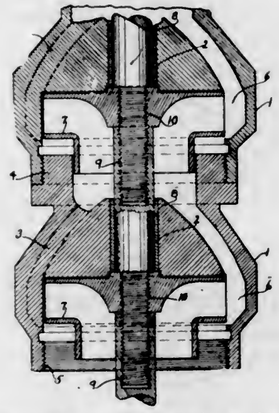
1,510,106. DOOR OPENER. JAMES LAWSON ROBB, Lincoln, Nebr. Filed May 14, 1923. Serial No. 638,980. 1 Claim. (Cl. 268—9.)



In combination with a pair of swinging garage doors, pulleys secured to the opposite walls of the garage adjacent the doors, a flexible element for each of the doors, said flexible element being secured to the door at a point adjacent the free edge thereof and then passing through its companion pulley, and carrying a weight at its lower free end, projecting lugs secured to the doors at their upper edges, a pair of pulleys secured to the door casing above the doors, a second flexible element passing through said pulleys and having its extremities secured each to one of said projecting lugs, a spreader block secured to said second flexible element at its middle point and between said pair of pulleys, an overhead pulley remote from the doors, a third flexible element passing through said last named pulley, one end thereof being secured to said second flexible element at its middle point and the other end being freely suspended and carrying a weight which

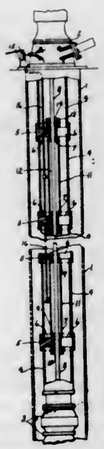
balances said first named weights, a pulley adjacent said last named pulley, and a fourth flexible element having one of its ends secured to said last named weight and thence passing through the pulley and having a freely suspended portion whereby the operator may lift said last named weight to permit said first named weights to open the doors.

1,510,107. PUMP ASSEMBLY. ABRAHAM RODRIGUEZ and HENRY GUSTAVSON, San Jose, Calif., assignors to Milton G. Moenning and Douglas C. Howard, both of San Jose, Calif. Filed Oct. 8, 1921. Serial No. 506,498. 1 Claim. (Cl. 103—102.)



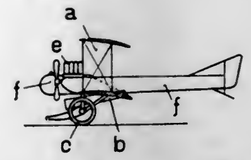
In a centrifugal pump, a shaft section internally threaded at one end to receive the threaded end of another shaft section and externally threaded at the other end to engage the internally threaded end of another shaft section, and an impeller internally threaded to engage said last mentioned externally threaded end of said shaft section, and mounted thereon prior to its engagement with another shaft section.

1,510,108. OILING SYSTEM FOR DEEP-WELL CENTRIFUGAL PUMPS. ABRAHAM RODRIGUEZ and HENRY GUSTAVSON, San Jose, Calif., assignors to Milton G. Moenning and Douglas C. Howard, both of San Jose, Calif. Filed Oct. 8, 1921. Serial No. 506,501. 1 Claim. (Cl. 103—102.)



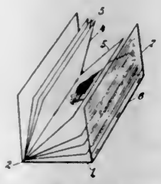
In combination, a deepwell pump driving shaft, spaced bearings throughout the length thereof, each bearing being similarly threaded at both ends and provided with radially extending webs supporting a coupling similarly threaded at both ends to support a continuous discharge casing, shaft enclosing tubes connecting alternate pairs of bearings by threaded engagement therewith, a packing arranged on the disengaged end of each bearing, and means for filling said tubes with lubricant.

1,510,109. AIRCRAFT GUN. KARL RÖSNER, Prague, Czechoslovakia. Filed Sept. 3, 1921. Serial No. 498,430. 2 Claims. (Cl. 89—40.)



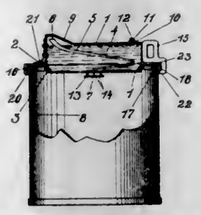
2. An aircraft comprising a hull, landing gear underneath and rigidly connected with said hull comprising wheels and a wheel axle and a field gun and field carriage mounted on said axle between said wheels.

1,510,110. GUIDE. HELLMUTH SCHMIDT, Oakland, Calif. Filed Dec. 14, 1921. Serial No. 522,309. 5 Claims. (Cl. 35—6.)



1. A city guide provided with a set of leaves, each leaf having printed thereon a skeleton map of the city in conjunction with guiding data for that particular leaf the said skeleton map being alike on each leaf, and said guide also provided with a hinged transparent transfer sheet adapted to be folded over any one of the said leaves for marking on said sheet any data desired to be transferred thereto from the leaf beneath.

1,510,111. AUTOMATICALLY-DISINFECTED MINE CLOSET. ALBERT SCHWESIG, Buer, Germany. Filed Dec. 7, 1920. Serial No. 429,039. 4 Claims. (Cl. 4—230.)



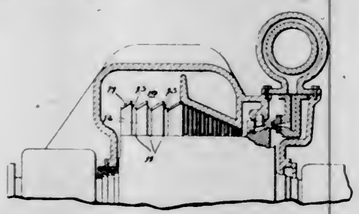
1. A mine-closet of the character described, consisting of a closet-tub, a seat mounted on said tub and adapted to be locked thereto, a reservoir-cover hinged to said seat and likewise adapted to be locked to said tub, a fibrous pad exchangeably secured upon the external face of said reservoir-cover and adapted to contact with said seat; a knee-shaped communication-tube arranged within said reservoir-cover to exclude the disinfectant from said tub when said reservoir-cover is closed, and until it is raised to its terminal open position, but to admit it to said tub while said reservoir-cover is being swung back into its closed position; a branch-tube projecting from said communication-tube and adapted to conduct a part of the disinfectant to said pad while said reservoir-cover is being closed, and means on said reservoir-cover for admitting air to the interior thereof, substantially as set forth.

1,510,112. BUMPER. SAMUEL H. SHAW, New York, N. Y. Filed Nov. 12, 1923. Serial No. 674,115. 6 Claims. (Cl. 293—55.)



1. A bumper for vehicles comprising a pair of U-shaped impact units extending in opposite directions and having the arms of each overrunning those of the other, means for securing the units against separation from one another, and means for attaching the combined units to a vehicle, including a spring bar connected intermediate of its ends to the combined units and at its ends to the vehicle whereby the impact units will be supported transversely of the vehicle.

1,510,113. TURBINE BLADING. LOUIS N. THOMPSON, Moore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,580. 8 Claims. (Cl. 253—77.)



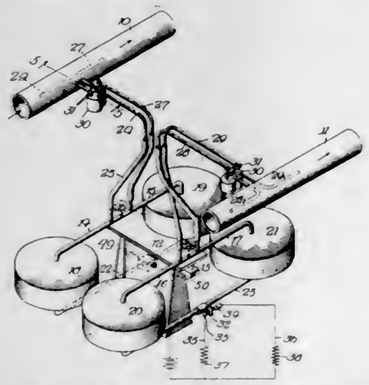
1. The combination with a row of turbine blades, of shrouding therefor comprising a plurality of adjoining sections each of which includes portions arranged parallel and transversely respectively to the blade tips so as to constitute shrouding which is highly resistive to bending stresses.

1,510,114. APPARATUS FOR THE OBJECTIVE DETERMINATION OF THE REFRACTION OF THE EYE. WALTHER THORNER, Berlin, Germany. Filed Aug. 8, 1921. Serial No. 490,719. 3 Claims. (Cl. 88—20.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



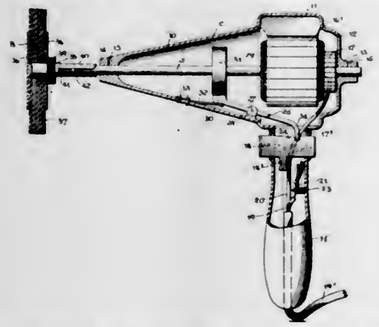
1. In an apparatus for the objective determination of the refraction of the eye on an illuminating tube of an ophthalmoscope, the said tube consisting of a stationary part containing a collective lens system and a part displaceable in the optical axis, this latter part containing a source of light displaceable in the optical axis of the said tube, a diaphragm and a second collective lens system, the diaphragm lying in the focal plane of the second collective system, and the source of light lying at a distance from the second collective system, greater than the focal length of this system.

1,510,115. VOLUME GOVERNOR FOR GAS MAINS. JOSEPH VAN ACKEREN, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 2, 1918. Serial No. 264,879. 10 Claims. (Cl. 137—78.)



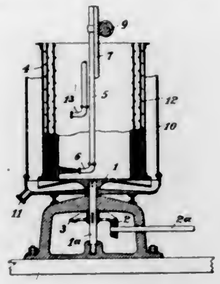
1. In a volume governor for gas ducts, in combination: a pair of ducts for the flow of gas; a liquid balance, and connections for transmitting to reversely opposite sides thereof the velocity head and the static head of the gas flow in the respective ducts, whereby unequal flow in said ducts will tip the balance and equalized flow restore it; and controlling means operated by the swing of the balance, for limiting the flow in one or the other of said ducts according to the inequality between them.

1,510,116. POLISHING OR BUFFING DEVICE. ARTHUR LEE VAN METER, New Orleans, La. Filed Apr. 17, 1922. Serial No. 553,345. 7 Claims. (Cl. 192—2.)



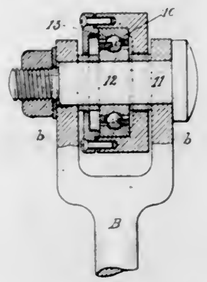
1. A device of the character described, comprising a casing, a motor therein having a shaft extending therefrom and through the casing, a lever mounted upon the inner wall of said casing, a collar carried by said shaft adapted to be engaged by the one end of said lever, a handle for said casing, and means carried by said handle adapted to be manipulated for causing the lever to engage or disengage said collar upon the shaft for the purpose described.

1,510,117. MOLDING HOLLOW BODIES. JOSEF VON VASS, Kotzschenbroda, Germany. Filed July 27, 1920. Serial No. 399,435. 14 Claims. (Cl. 25—30.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



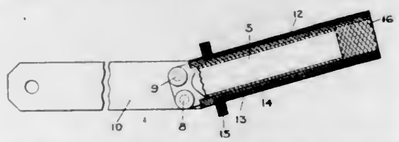
1. The method of making hollow bodies from plastic material, such as for instance concrete, comprising spraying a plastic mixture containing such material onto the inner wall of a mould rotating at comparatively high speed.

1,510,118. BEARING FOR OSCILLATORY MOTION. CARL GUSTAF VON POST, Gottenborg, Sweden; Anna von Post, administratrix of said Carl Gustaf von Post, deceased, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden, a Corporation of Sweden. Filed July 2, 1921. Serial No. 482,251. 7 Claims. (Cl. 64—59.)



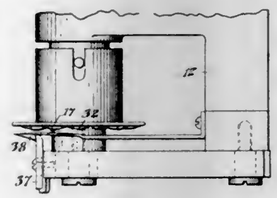
1. In an anti-friction bearing, the combination with an inner and an outer ring and a series of rolling elements between the said rings, of separators for the said rolling elements, fast with the respective rings.

1,510,119. SWITCH HANDLE. NILS J. A. WAHLBERG, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 6, 1921. Serial No. 435,317. 4 Claims. (Cl. 200—172.)



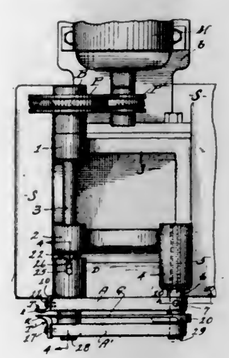
3. A handle for electrical apparatus comprising a metal body member provided with means adjacent to its inner end for attachment to the apparatus and having a stop shoulder adjacent said means, an insulating sleeve surrounding the metal body member and abutting the stop shoulder and having an enlarged portion adjacent its inner end, the said sleeve extending beyond the end of the body member, an insulating barrier disc mounted on the said sleeve and abutting the said enlarged portion thereof, a second insulating sleeve surrounding the first sleeve for retaining the barrier disc in position, and an insulating closure for the outer end of the first insulating sleeve.

1,510,120. SOLE AND STITCH REMOVING MACHINE. PAUL A. WARD, Los Angeles, Calif. Filed Aug. 6, 1923. Serial No. 655,990. 16 Claims. (Cl. 12—17.)



8. A machine for the purpose set forth comprising an oscillatory cutter element for severing the stitching between a welt and a sole, a rotatable thread removing element operating against that face of the welt opposite that face to which is secured the sole for removing the severed stitching, a common driving means for said elements for simultaneously operating them, and a guard member arranged in operative relation with respect to said cutter element for protecting the welt during the severing of the stitching by said cutter element, said stitch removing element including a series of tangentially disposed slots having projecting from one edge thereof a semi-oval shaped rib.

1,510,121. SOLE AND STITCH REMOVING MACHINE. PAUL A. WARD, Los Angeles, Calif. Filed Dec. 12, 1923. Serial No. 680,124. 11 Claims. (Cl. 12—17.)

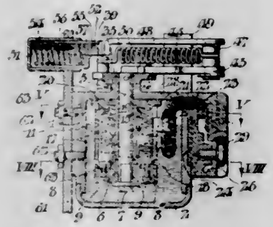


2. A machine of the character described comprising a cutting element for severing the stitches connecting a welt with a sole, a stitch removing element for engagement with the welt for removing the severed stitches, and means for operating said elements in opposite directions.

1,510,122. ELECTRIC SWITCH. HERBERT I. WASHBURN, Magnolia, N. J. Filed Apr. 9, 1921. Serial No. 459,847. 11 Claims. (Cl. 200—150.)

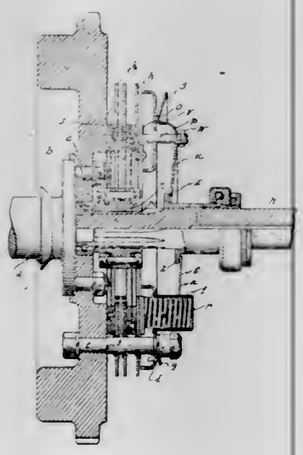
1. An electric switch comprising in combination, a closed, dust and moisture-proof, protective casing into

which the leads of the conductors of the circuits to be controlled, are passed through a sealed opening; a rotatable shaft extending to the interior of the casing; a movable, contact carrying switch member attached to the shaft within the casing; a fixed block of insulating material wholly contained within the casing adjacent said movable switch member; non-rotatable me-



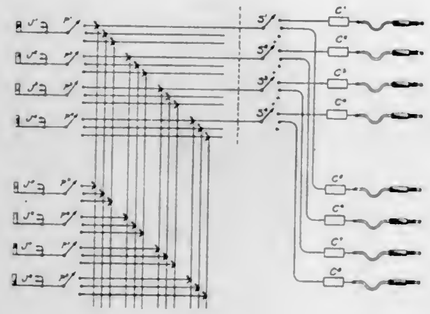
tallic plungers slidably disposed in retaining apertures of said block, said plungers being electrically connected with the conductor leads of the controlled circuits; means for yieldingly maintaining said plungers in engagement with the contacts of the aforesaid movable switch member, and means capable of transportation to angular positions at opposite sides of the rotatable shaft for limiting movement of the switch.

1,510,123. CLUTCH. ERNEST E. WEMP, Detroit, Mich. Filed Aug. 15, 1921. Serial No. 492,276. 6 Claims. (Cl. 192—69.)



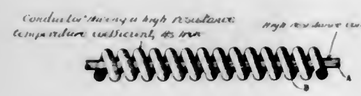
1. In a clutch, the combination of a driving member, a driven member, driving and driven disks connected with the driving member and the driven member respectively, a fixed ring bolted to and spaced in open relation from the driving member, a thrusting ring, a plurality of coiled sprigs thrusting toward the driving member to pack the discs and located between the fixed ring and the thrusting ring, and a plurality of levers fulcrumed on the back of the fixed ring and connected with the thrusting ring for releasing the pressure on the disks when desired, by pulling the thrusting ring away from the driving member.

1,510,124. MULTIOFFICE TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1919. Serial No. 338,380. 5 Claims. (Cl. 179—27.)



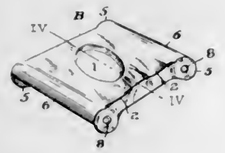
3. In a telephone system, an A board divided into sections, each comprising a plurality of positions, a separate outgoing trunk multiple for each section, a separate group of trunking switches for each multiple, and a plurality of inter-office trunk lines accessible to all of said switches in common.

1,510,125. REGULATING CONDUCTOR FOR ELECTRIC HEATERS. WATSON H. WOODFORD, Bridgeport, Conn. Filed Aug. 11, 1920, Serial No. 402,756. Renewed Jan. 23, 1924. 8 Claims. (Cl. 219—76.)



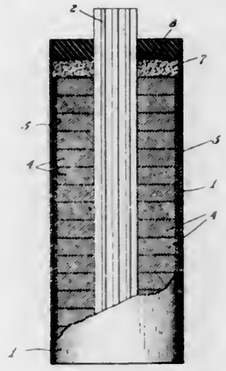
1. A heating conductor for electric heaters comprising a high resistance conductor having a low resistance temperature coefficient and a conductor in parallel therewith having a high positive resistance temperature coefficient.

1,510,126. SANITARY WATER-CLOSET SEAT. HERBERT F. YEAKEL, Pittsburgh, Pa. Filed Dec. 28, 1922. Serial No. 609,412. 3 Claims. (Cl. 4—247.)



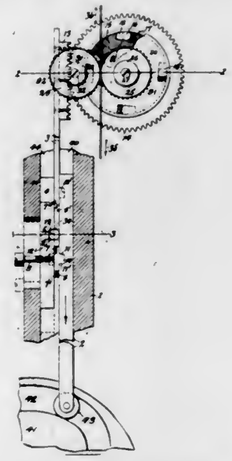
1. A roller mounting for use in connection with sanitary water-closets and other purposes which consists of a pair of spaced apart supports provided with bearing holes, tubular rollers positioned between said supports in axial alinement with said holes, and journal members removably inserted from without into said bearing holes, said members being provided at their inner ends with expansible gripping fingers which are inserted into the ends of the rollers to detachably hold them in place.

1,510,127. DRY CELL. VICTOR YNGVE, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Nov. 14, 1923. Serial No. 674,610. 3 Claims. (Cl. 204—38.)



3. In a dry cell, a plurality of tablets compacted of depolarizing mixture, fluted apertures through said tablets, and a correspondingly fluted carbon electrode having a diameter larger than said apertures cooperating therewith.

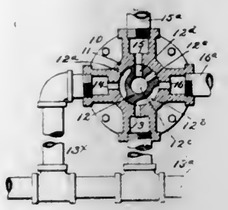
1,510,128. MOTION TRANSMITTING MECHANISM. HOWARD G. ALLEN, Niagara Falls, N. Y., assignor to The J. L. Morrison Company, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,894. 9 Claims. (Cl. 74—14.)



1. A motion transmitting mechanism comprising a reciprocating driven member, a reciprocating driving member, a normally stationary holding member, and a coupling member mounted on said driven member and adapted to be shifted for coupling said driven member either with said driving member or with said holding member.

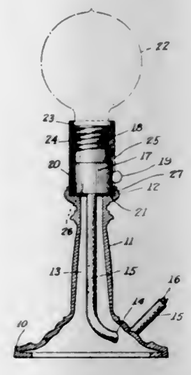
1,510,129. VALVE MECHANISM. WILLIAM P. ARGY, Turners Falls, Mass., assignor to International Paper Company, a Corporation of New York. Filed Mar. 17, 1921. Serial No. 453,073. 5 Claims. (Cl. 251—104.)

1. A valve mechanism comprising a valve casing provided between its ends with a plurality of side ports, and provided in its end with an exhaust port, and a valve oscillatable in the casing and provided with two side ports, adapted in the different positions of the valve, to cooperate with certain of the side ports of the casing, and provided also with an axially extending exhaust port leading from a point between the ends



of the valve outwardly through the end thereof and communicating constantly with the exhaust port of the casing, said axially extending port adapted, in the different positions of the valve, to connect at its inner end alternately with certain of said side ports of the casing.

1,510,130. ELECTRIC-LAMP STAND. ALEXANDER ARONSON, Newark, N. J. Filed Oct. 11, 1922. Serial No. 593,663. 1 Claim. (Cl. 240—81.)



A lamp stand comprising a hollow base and column, a seat on said column open to the space therein, an integral ring encircling said seat, a lamp socket on said seat, an insulating washer therebetween, an insulating sleeve surrounding the upper part of said socket, a cylindrical casing circumjacent said sleeve and socket, said casing tightly fitting said ring to be supported thereby and obscure the joint, said casing being slit at its lower end and having a slot through which the key of said socket extends, a lug integral with said seat engaging the lower end of the slot, and an electric conductor passing through an opening in said base engaging said socket.

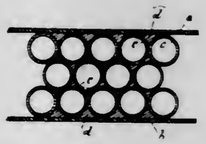
1,510,131. PROCESS OF MAKING DECOLORIZING CARBONS. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed May 7, 1919. Serial No. 295,470. Renewed Aug. 20, 1924. 3 Claims. (Cl. 252—3.)

1. The method of obtaining a decolorizing carbon which consists in evaporating molasses distillery waste to about 25° to 30° Bé, adding thereto an absorptive material in sufficient quantity to prevent foaming in the retort, heating in the retort to about 750° C., and introducing steam before and near the end of the operation to remove volatile materials.

1,510,132. PROCESS OF PRODUCING NITROGEN TRICHLORIDE. JOHN C. BAKER, Nutley, N. J., assignor to Wallace & Tiernan Co., Inc., Belleville, N. J., a Corporation of New York. Filed Apr. 21, 1924. Serial No. 708,061. 3 Claims. (Cl. 23—10.)

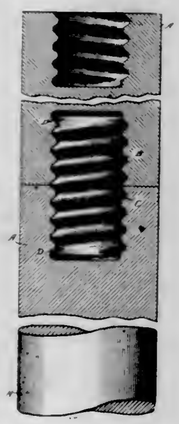
1. The process herein described for producing nitrogen trichloride in gaseous form suitable for the bleaching of flour, which consists in bringing in reactive relation in a solution chlorine and an ammonium compound, allowing such solution to stand until the reaction is complete, and then removing from said solution the nitrogen trichloride by a current of air.

1,510,133. PROTECTING DEVICE FOR FUEL TANKS. LOUIS BREGUET, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Filed Oct. 26, 1922. Serial No. 597,227. 2 Claims. (Cl. 154—46.)



2. A protecting device for tanks, particularly tanks containing an inflammable liquid, comprising a covering of expansible material constituted by a plurality of balls containing a fluid under pressure and embedded in rubber.

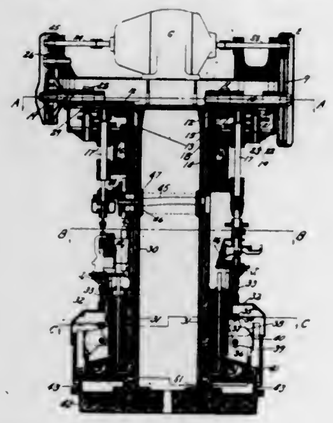
1,510,134. ELECTRODE FOR ELECTROMETALLURGICAL FURNACES. BARTLEY E. BROADWELL, Niagara Falls, N. Y., assignor to Republic Carbon Company, Inc., Niagara Falls, N. Y., a Corporation of Delaware. Filed Oct. 19, 1922. Serial No. 595,621. 3 Claims. (Cl. 204—65.)



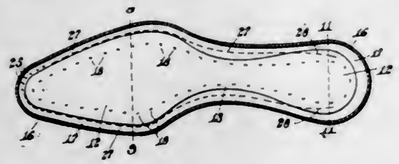
3. A nipple for uniting the abutting ends of carbonaceous electrodes for electric furnaces, formed of carbonaceous material of cylindrical form with its intermediate portion provided with an external thread of uniform pitch and with end portions free from screw threads and of frusto-conical form less in diameter than the threaded portion.

1,510,135. MACHINE TOOL. JOHN WILSON BROWN, Jr., Philadelphia, Pa. Filed May 7, 1923. Serial No. 637,180. 12 Claims. (Cl. 29—38.)

1. A series of tables revolving about an axis, a tool opposed to each table, said tools being adapted to perform successive operations on the same article, the tools being so arranged that the tool for the succeeding operation precedes in the path of revolution the tool for the preceding operation and means for revolving the tools about said axis in synchronism with the tables.

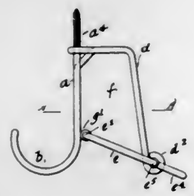


1,510,136. SHOE AND METHOD OF MAKING SAME. JOHN M. CONNELL and FRANK E. GRAVES, Braintree, Mass. Filed Aug. 15, 1922. Serial No. 581,959. 5 Claims. (Cl. 12—142.)



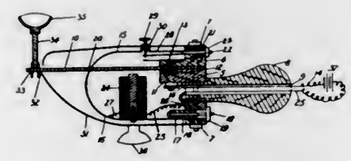
1. The method of making shoes which consists in placing upon a last an insole having a very narrow shank portion; drawing the edges of the upper over said insole and permanently securing said edges to said insole: positioning an outsole on the inturned edges of the upper and tacking said outsole to said edges and insole at the toe and heel only, said outsole extending at the shank beyond the narrow shank portion of the insole, a distance greatly in excess of that which said outsole extends beyond said edge at the forepart and heel portion; then removing said last; and finally uniting said edges of the upper to said outsole by a row of stitches.

1,510,137. FRICTION-GRIP SUSPENDER. DUNCAN CROCKETT, Mansfield, Victoria, Australia. Filed Dec. 26, 1923. Serial No. 682,795. 3 Claims. (Cl. 24—248.)



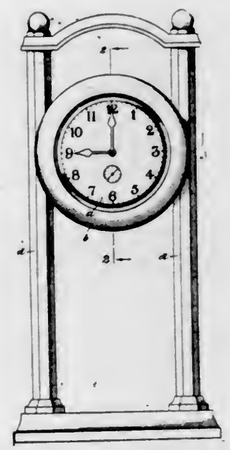
1. A supporting device of the character described, comprising a stem provided with a screw shank, an angular projection secured to said stem and having its free end provided with an eye and projecting beyond the free end of said stem, and a gripping member pivoted in said eye and comprising a substantially continuous loop, one portion thereof being disposed transversely of the free end of the said stem and adapted to swing about the pivot towards the said stem to grip material arranged therebetween.

1,510,138. ELECTRIC VIBRATOR. GEORGE DE CAIROS-REGO, Sydney, New South Wales, Australia. Filed Apr. 27, 1921. Serial No. 646,939. 6 Claims. (Cl. 128—55.)



1. An electric vibrator, comprising an electromagnet, contact devices for closing an electric circuit through said magnet, a vibratory armature in the field of the magnet, and means for imparting to the magnet a vibratory movement relative to said armature when current passes through the magnet.

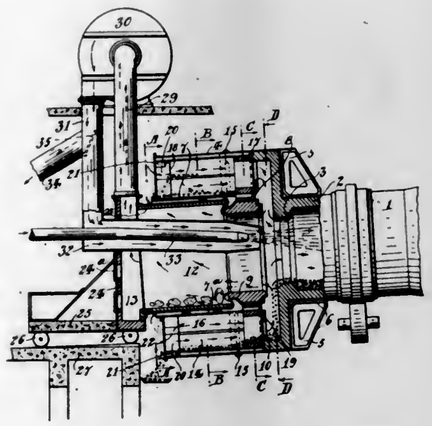
1,510,139. TIME-INDICATING MECHANISM. ARTHUR DORSEY, Hartford, Conn. Filed Feb. 23, 1922, Serial No. 538,815. Renewed Mar. 21, 1924. 8 Claims. (Cl. 58—2.)



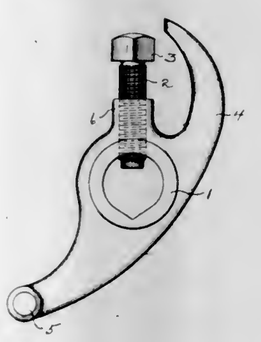
2. A time indicating mechanism including a falling clock work actuated by gravity, a plurality of racks to support the falling mass, and pinions engaging the respective racks and operatively interconnected with one another and with the clock work.

1,510,140. ROTARY KILN AND COOLER. JOHAN S. FASTING, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 8, 1923. Serial No. 661,621. 10 Claims. (Cl. 222—7.)

1. The combination with a rotary kiln, of a circumferential cooler connected to the kiln to rotate therewith, extended beyond the outlet of the kiln, spaced longitudinally from the kiln at its inner end, open at its outer end to admit air and to discharge cooled clinker and at its inner end to communicate with the space between itself and the end of the kiln and to receive hot clinker therefrom, and surrounding a central chamber substantially coaxial with the kiln.



1,510,141. LATHE DOG. THOMAS FISH, Bridgeport, Conn. Filed Apr. 6, 1922. Serial No. 550,008. 1 Claim. (Cl. 82—41.)

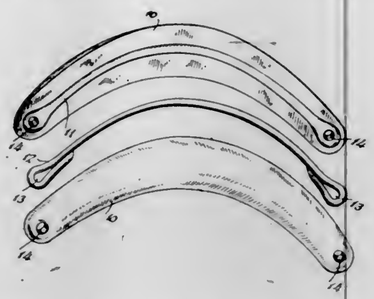


A lathe dog having a ring portion provided with a set screw, said ring portion being associated with a bar-like member extending symmetrically on both sides of said ring portion, one part of said bar-like member projecting above the set screw and the head thereof and serving to laterally guard the same, the other part of said bar-like member having the stem of the said dog connected thereto, the said stem and the said screw being on opposite sides of the central portion of the said ring.

1,510,142. HANDLE AND METHOD OF MAKING SAME. MORRIS JACOB GOLDMAN, Staten Island, N. Y. Filed Jan. 10, 1923. Serial No. 611,700. 8 Claims. (Cl. 190—57.)

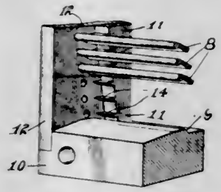
1. A handle of the type set forth comprising a filling consisting of a pair of similar substantially solid halves

constructed of fibrous material, the inner faces of said halves being provided with a groove, a metal reinforcing



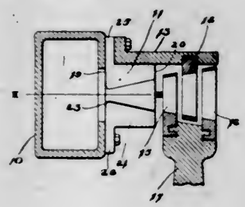
rod received in said groove and encased by said halves, said halves being secured together by a suitable adhesive to form a compact substantially solid structure.

1,510,143. PUMP-VALVE MECHANISM. ARTHUR S. HAWKS, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 30, 1918. Serial No. 256,295. 10 Claims. (Cl. 251—123.)



1. Pump valve mechanism comprising an organization of imbricated, pivoted louvers mutually cooperating as multiple valve members and end seats for the pivoted louvers.

1,510,144. NOZZLE BLOCK. HERBERT T. HERR, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 13, 1922. Serial No. 588,054. 4 Claims. (Cl. 253—78.)



1. The combination with a nozzle box, of a sectional nozzle block structure comprising pairs of abutting members having complemental grooves or passages on adjoining faces constituting nozzle passages, said adjoining members being secured directly to the nozzle box.

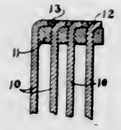
1,510,145. HEAD-PROTECTING ATTACHMENT FOR RAINCOATS. ALEXANDER HUSON, Perth Amboy, N. J. Filed Feb. 24, 1922. Serial No. 538,905. 1 Claim. (Cl. 2—202.)

A head protector adapted to be applied to a body garment comprising a globular portion of flexible material adapted to receive the head of the wearer and a flaring neck portion adapted to receive the neck of the wearer, means for detachably connecting the neck portion with the body garment, the globular head portion being provided with openings adapted to register with the ears, eyes, nose and mouth of the wearer, relatively rigid frames applied to the head portion and surrounding the ear, eye and nose openings thereof, imperforate transparencies mounted in the frames which



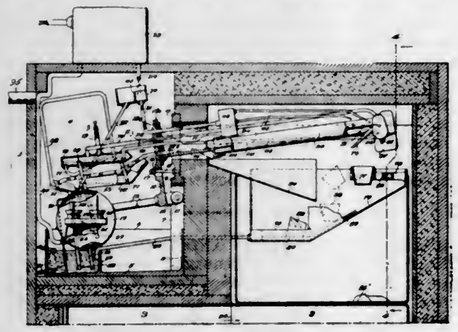
register with the eye openings, perforated disks mounted in the frames which register with the ear and nose openings, the axes of the openings in the said disk being disposed at acute angles to the frames of the disk, and a flap of flexible material secured to the head portion above the mouth opening, and means for releasably securing said flap in an open position with relation to the mouth opening, and means for securing said flap in a closed position over the mouth opening.

1,510,146. BLADE-FASTENING MEANS. JOSIAH P. JOHNSON, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1921. Serial No. 474,826. 2 Claims. (Cl. 253—77.)



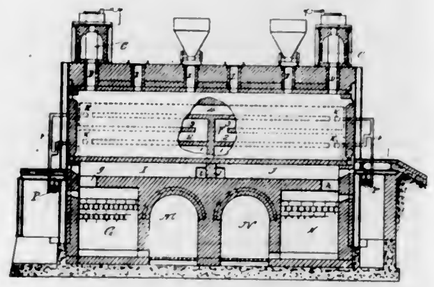
1. A blading unit for insertion in a turbine comprising a plurality of individual blades assembled in substantially parallel relationship, each blade being bent laterally at its foot, and means for integrally uniting said blades.

1,510,147. REFRIGERATING APPARATUS. DAVID FORBES KEITH, Toronto, Ontario, Canada. Filed Apr. 12, 1923. Serial No. 631,527. 49 Claims. (Cl. 62—5.)



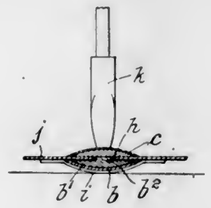
1. In a rocking refrigeration apparatus, the combination of two juxtaposed open-top receptacles carried thereby to rock to and fro between two extreme positions, delivery-pipes for leading a cooling-liquid from said receptacles respectively to different portions of the apparatus, a supply-pipe for normally supplying such cooling-liquid selectively to one or the other of said receptacles according to the position thereof, and means whereby so long as the liquid-pressure in said supply-pipe is below a predetermined minimum the cooling-liquid will be prevented from reaching a certain one of the receptacles yet will be free to reach the other regardless of the position occupied by said receptacles.

1,510,148. COKE OVEN. EUGENE W. KING, Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,569. 5 Claims. (Cl. 202—9.)



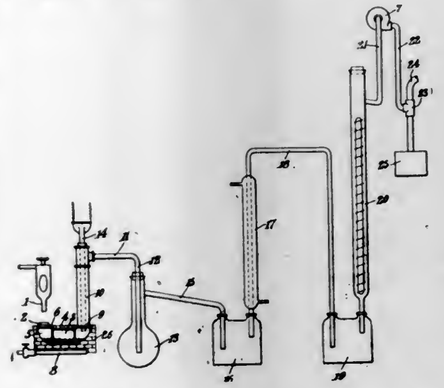
1. In a block of retort coke ovens, separated one from another by dividing walls, the combination of two sets of horizontally disposed heating flues, connected in series, on each side of each oven, vertical gas passages located within the dividing walls and arranged to deliver gas from the ovens directly to one end of the heating flues of each set and regenerators located below and parallel with each oven and arranged to deliver heated air alternately to the bottom flues of said sets of heating flues.

1,510,149. MEANS FOR REPAIRING LEAKS IN METAL UTENSILS. GEORGE HENRY KING, London, England. Filed Apr. 9, 1920. Serial No. 372,506. 3 Claims. (Cl. 113—111.)



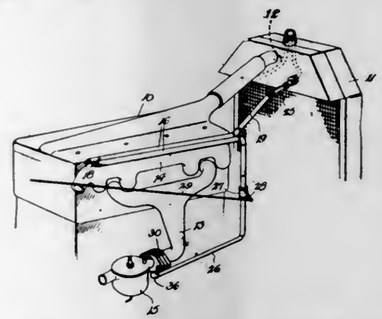
2. Devices for repairing leakages in metal utensils, comprising a pair of dished metal caps adapted to be applied to opposite sides of a metal utensil, so as to cover the leakage therein, each of said caps being filled with solder, and at least one of said caps having a projection thereon adapted to enter the leakage in the utensil.

1,510,150. PRODUCTION OF OXIDIZED CARBON COMPOUNDS. RUETHERFORD B. MARTIN, New York, N. Y., assignor to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed June 3, 1921. Serial No. 474,810. 8 Claims. (Cl. 252—1.)



1. The process which consists in carrying the vapor of a carbon compound together with oxygen in a confined space across heated carbonaceous material to produce substances condensable to an oily liquid largely absorbable by concentrated sulphuric acid.

1,510,151. DILUTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. LAWRENCE CLYDE MOORE, Piqua, Ohio, assignor of one-half to John Henry Moore, Lima, Ohio. Filed Feb. 2, 1922. Serial No. 533,550. 1 Claim. (Cl. 123—25.)



In a diluting device for internal combustion engines, a rigid superheater unit including spaced superheater pipes to extend along the exhaust manifold of the engine resting on said manifold to be supported throughout their length thereby, a cross pipe connecting the superheater pipes near corresponding ends thereof, removable plugs closing the superheater pipes at said ends thereof, a combined air and moisture supply pipe for connecting the opposite end of one of said superheater pipes with a radiator, a distributer for interposition between the engine carbureter and intake manifold forming a connection between the outlet of the carbureter and the intake of the manifold, and an outlet pipe connecting the opposite end of the other of said superheater pipes with said distributer.

1,510,152. CORSET SUSPENDERS. EDITH A. MORGAN, Chester, England. Filed Jan. 17, 1923. Serial No. 613,265. 2 Claims. (Cl. 241—1.)

1. In combination, a body encircling garment; a loose-fitting knee-band; and suspending straps connected at

their upper ends to the rear half of the body garment and at their lower ends to only the rear portion of the knee-band, so as to cause the knee-band, when in use,



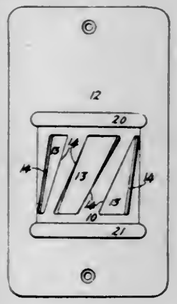
to be pulled up at the back away from the wearer's limb and tighten the front of the knee-band against the limb below the knee-cap.

1,510,153. VALVE FOR DRILLING ENGINES. HARRY S. MYERS, Rockland Township, Venango County, Pa. Filed July 13, 1920. Serial No. 395,954. 2 Claims. (Cl. 137—139.)



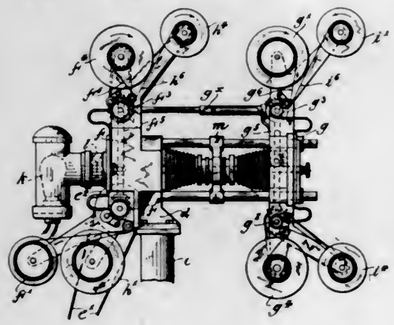
1. In a valve actuator, a two part rod, one end of one part being non-revolubly connected to a valve lever, and the opposite end of the other part carrying a member by means of which that part is rotated, and means for connecting the two rod parts whereby a relatively large angular movement of the one part will produce a relatively short longitudinal movement of the other, said means comprising a spirally grooved end on one part working in a sleeve upon the other part which carries a fixed lug working in said grooved rod end.

1,510,154. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed Apr. 26, 1922. Serial No. 556,686. 7 Claims. (Cl. 206—30.)



1. A match-safe comprising a wall board or bracket, a shell or pocket thereon provided with a lining of match-striking fabric, said shell having in its front an aperture for the insertion of the match tip to strike it against the fabric, and an interior box or shell inserted within the fabric to retain the same and afford a backing for the fabric at the match-striking operation, one of said box and safe elements having a floor for the support of the matches deposited therein, said box or retainer having a rear side which is split from top to bottom to enable the box to be sprung into the match-safe or shell.

1,510,155. APPARATUS FOR PRINTING MOVING-PICTURE FILMS. ERIK WILLIAM NELSON, New Rochelle, N. Y. Filed Apr. 11, 1921. Serial No. 460,333. 1 Claim. (Cl. 88—24.)



An apparatus for preparing composite motion picture films, the same comprising means to support and feed a negative film, means to support and feed a second negative film, means to support and feed a positive film adjacent to the second negative film, a lens interposed between the first and second negative films, mechanical connections between the film feeding devices whereby all are operated in synchronism, and a source of light external to both of the negative films whereby the images on both negative films are printed on the positive film.

1,510,156. DISCHARGE PIPE FOR TURBINE PUMPS. WALTER G. NOACK, Stockton, Calif. Filed Mar. 23, 1923. Serial No. 627,181. 4 Claims. (Cl. 103—102.)



1. In a discharge pipe for water pumps, continuous spiral grooves formed therein; the depth of said grooves being sufficient to impart a whirling motion to a column of water being pumped through the pipe but insufficient to retard the flow of the water.

1,510,157. APPARATUS FOR CLEANING AUTOMOBILE CYLINDERS. UZ C. PEMBERTON, Seffner, Fla. Filed June 29, 1921. Serial No. 481,320. 2 Claims. (Cl. 15—104.01.)

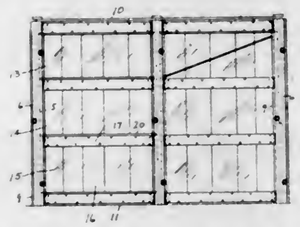
1. Apparatus for removing the carbon deposits from the cylinders and combustion chambers of internal combustion engines, comprising a rotary brush adapted to be inserted through the spark plug openings, a flexible driving shaft connected to said brush, and a rigid tubular casing surrounding the brush supporting portion of said

shaft, and slidable telescopically over said shaft so that it may be moved over or away from the rear end of the



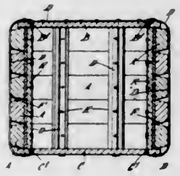
brush, said rigid casing being curved or bent laterally, whereby the brush may be guided and directed against the walls of the cylinders.

1,510,158. WALL FORM. FRANK A. POOLE, Cleveland, Ohio. Filed Jan. 19, 1922. Serial No. 530,349. 3 Claims. (Cl. 25—131.)



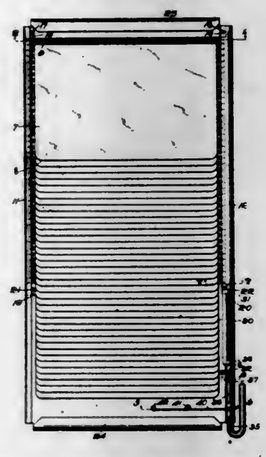
1. In a wall form, the combination of spaced parallel I-beams, mounted in vertical positions, means connecting said beams to maintain them in such relation, panel removably mounted between said I-beams, said panels having extending lugs engaging against the inner surface of one of the flanges on said beams, and braces extending between said beams, said braces engaging between the flanges of said beams and resting on said lugs on said panels.

1,510,159. MEANS FOR PACKING TIRES AND OTHER ARTICLES FOR TRANSPORT. GEORGE FREDERICK CHARLES POWELL, Birmingham, England, assignor to The Dunlop Rubber Company, Limited, Regents Park, London, England, a British Company. Filed July 14, 1921. Serial No. 484,684. 6 Claims. (Cl. 206—46.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



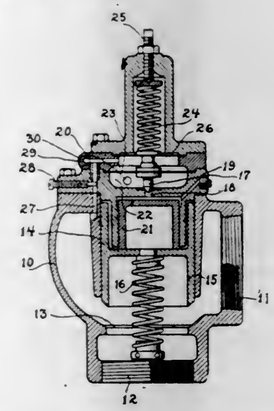
1. A package comprising a stack or pile of tires or wheel rims, end closing discs having slits through the thickness of said discs, metal securing strips extending and bent through said slits and positive means for securing said strips to retain said discs closely against the ends of the pile of tires or rims, so as to completely close the space surrounded by the tires or rims which space is packed with small articles, such as tire repair outfits, inner tubes and the like.

1,510,160. FILING AND INDEXING EQUIPMENT. JOHN T. QUIGLEY, Fresno, Calif., assignor to Costmeter Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 2, 1918, Serial No. 260,846. Renewed Feb. 13, 1924. 10 Claims. (Cl. 129—16.)



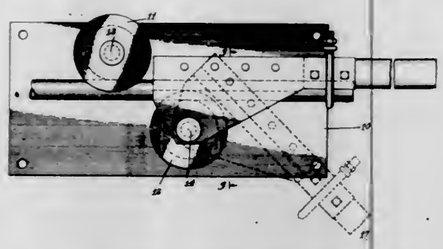
1. An equipment of the class described comprising in combination, a plurality of sheets, a plurality of sheet-holders, a sheet-holder mounting, sheet-holder locking means including a pivoted locking-bar, and a key cooperating with said locking-bar.

1,510,161. REGULATOR FOR COMPRESSORS. WARD RAYMOND, Easton, Pa., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa., a Corporation of Pennsylvania. Filed Mar. 1, 1923. Serial No. 622,218. 2 Claims. (Cl. 230—24.)



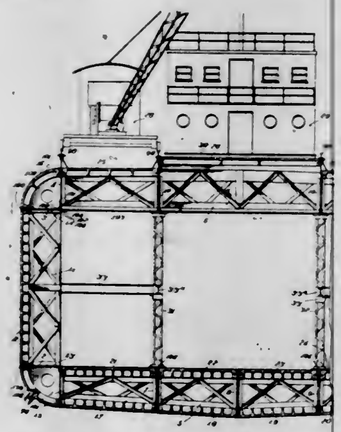
1. A regulator for compressors comprising in combination, a body member, a valve therein adapted to open and close the inlet to a compressor cylinder, means normally holding said valve in its open position, pressure operated means comprising a pilot valve opened and closed by movement of the diaphragm to close said inlet valve, a conduit extending from the body member of the regulator to a point within a pressure tight cavity in rear of said diaphragm and provided with a leak port, and screw threaded means to vary the flow of fluid through said conduit, whereby the variations in pressure within said cavity may be controlled to increase or decrease its effect upon the movements of the pilot valve.

1,510,162. PIPE-BENDING MACHINE. EDWARD ROBINSON, Roselle Park, N. J., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed May 12, 1921. Serial No. 468,920. 2 Claims. (Cl. 153—40.)



1. A pipe bending machine comprising a rotatably mounted bending roller having a peripheral groove therein, a pair of spaced plates pivotally mounted coaxially with and on opposite sides of the bending roller, a bending block secured between the spaced plates and spaced from the bending roller, means for securing one end of a pipe to be bent to the bending block between the block and the bending roller, a movable guide spaced from the bending block and bending roller for guiding the unsecured end of the pipe, and means secured between said plates for manually bending the pipe around the bending roller.

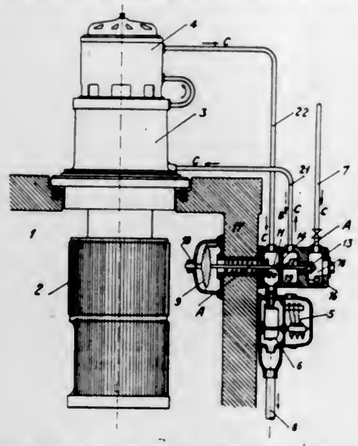
1,510,163. REENFORCED CONCRETE AND STEEL CONSTRUCTION. ROY H. ROBINSON, Chicago, Ill. Filed Oct. 10, 1919. Serial No. 329,834. 34 Claims. (Cl. 114—65.)



1. A vessel, the deck of which includes as framing members four longitudinal girder members extending through and above the deck, and cargo hatches interposed between the two inner girders, trimming tanks being provided outside of the outer girders and constituting the corners of the vessel.

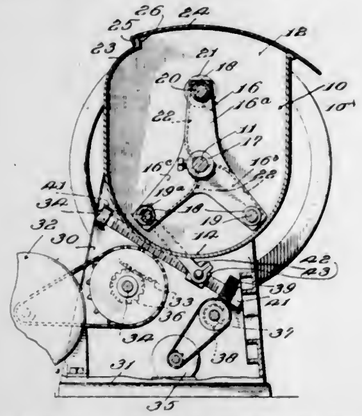
1,510,164. REFRIGERATING INSTALLATION. EDUARD RÜEGGER, Zurich, Switzerland, assignor to Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed May 14, 1923. Serial No. 638,892. 6 Claims. (Cl. 62—4.)

1. In a refrigerating plant, the combination with a cooling chamber, a refrigerating machine having a condenser cooled by flowing water and an evaporator in said cooling chamber; of means in said cooling chamber influenced by temperature changes, and two cut-off members operated by said means, one of which controls the admission of cooling water to the condenser and the other of which controls a passage permitting the cooling water



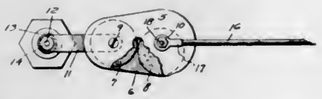
contained in the refrigerating machine to drain off when the admission of cooling water is prevented by the first mentioned cut off member.

1,510,165. MIXING APPARATUS. ROBERT M. TEMPLE, Philadelphia, Pa. Filed Feb. 15, 1924. Serial No. 692,981. 16 Claims. (Cl. 259—109.)



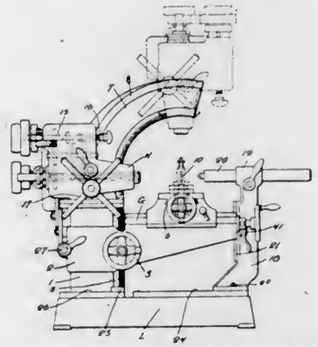
1. In a mixer of the character described a rotatably mounted actuator having beater means for imparting alternate reciprocating movement to the mixable materials, and also having means independent of the beater means for applying a flattening pressure to said materials in a plane parallel with the axis of the actuator.

1,510,166. SPARK INTENSIFIER. MONROE VAN LEUVEN, Redlands, Calif. Filed Apr. 1, 1922. Serial No. 548,760. 1 Claim. (Cl. 173—183.)



A device of the character described comprising a pair of spaced plates of insulating material, a pair of carbon discs there-between, metallic elements traversing the discs and the plates and binding them together, one of said discs being eccentrically mounted upon its metallic element, means for attaching an electric wire to one of said metallic elements and a metallic strap mounted upon the other of said metallic elements, and being provided with means for binding it against movement thereon, said strap being adapted to engage the central terminal of a spark plug and being of such length as to permit movement of the carbon disc to the metallic element of which the electric wire is attached to a point sufficiently near the spark plug to create a secondary gap at that point.

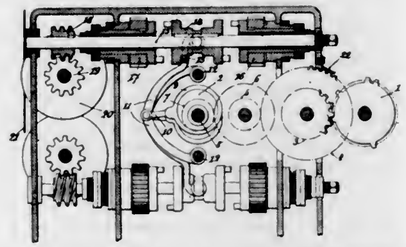
1,510,167. UNIVERSAL MACHINE. JOHN H. WILHELM, New York, N. Y., assignor, by mesne assignments, to Triplex Machine Tool Corporation, New York, N. Y., a Corporation of New York. Filed July 14, 1921. Serial No. 484,603. 15 Claims. (Cl. 29—27.)



1. A universal machine comprising a lathe bed, a tool holder and a lathe center spaced apart longitudinally of the lathe bed and spaced above the upper surface of said bed, a column at the upper end of which said tool holder is mounted, means whereby the lathe bed is vertically adjustable longitudinally of said column, a standard at the upper end of which said center is mounted, and said lathe bed having sliding engagement with said standard to steady said lathe bed.

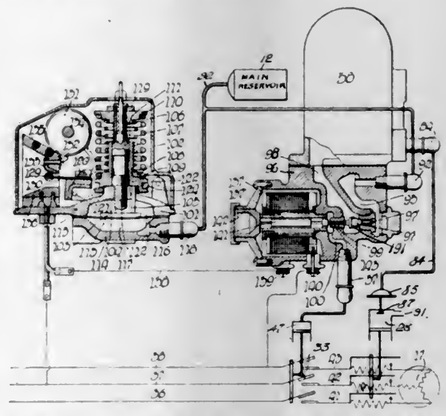
9. A universal machine comprising a lathe bed, a tool holder and a segmental standard to which said tool holder is connected and along which the tool holder may be slid from a horizontal position at one end of said lathe bed to a position vertically above the lathe bed, variable counter-balancing means for counter-balancing the weight of said tool holder as said tool holder moves between its horizontal and its vertical positions, said counter-balancing means comprising a plurality of weights, and means whereby said weights are lifted successively one after the other.

1,510,168. APPARATUS FOR THE CONTROL OF THE LEAVES OF WEAVING LOOMS. CAMILLE ANTOINE ZACKIEWICH, Paris, France. Filed Oct. 5, 1922. Serial No. 592,609. 2 Claims. (Cl. 139—76.)



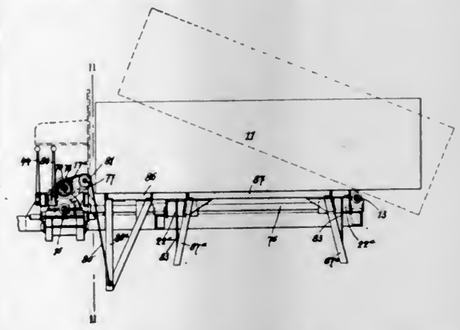
1. In an apparatus for the control of the leaves of a loom, the combination of a control shaft for each leaf, a clutch sleeve slidable upon said shaft a forked lever engaging said sleeve, an eccentric disc loosely revoluble upon a stationary axle, an eccentric collar and an eccentric rod connecting said disc with said forked lever, a disc termed "pattern" having one or more teeth and adapted to rotate in co-operation with the main shaft of the loom, and means whereby said eccentric disc may be turned through one-half revolution at the passage of each tooth of said pattern disc.

1,510,169. CONTROL SYSTEM FOR COMPRESSORS AND THE LIKE. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed May 21, 1917, Serial No. 169,997. Divided and this application filed Nov. 5, 1919. Serial No. 335,816. 21 Claims. (Cl. 172—288.)



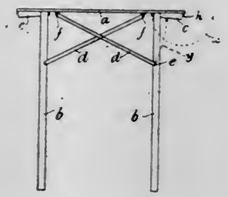
1. The combination of a motor, a separate main switch, a separate starting resistance cut-out switch, means for actuating said switches independently in turn to start said motor, a pressure controlled governing switch, and pneumatic means controlled by said governing switch for controlling the actuation of said cut-out switch and said main switch in turn to stop said motor.

1,510,170. DUMPING VEHICLE. GEORGES FONLUPT, Paris, France. Filed Aug. 29, 1921. Serial No. 496,556. 2 Claims. (Cl. 298—21.)



1. In a motor vehicle with tipping body, the combination of a chassis, a transverse shaft at the rear of said chassis, longitudinally extending shafts disposed at the sides of said chassis, a first frame pivoted to the said transverse shaft, a second frame having connecting elements disposed upon the sides thereof and adapted to bear by means of said elements upon said longitudinally extending shafts, means for raising the front end of the first frame, and means for tilting the second frame transversely, the said vehicle body being adapted to rest upon the said frames.

1,510,171. FOLDING LEGS FOR ARTICLES OF FURNITURE. FREDERICK GEORGE HEARD, Ilford, England. Filed Mar. 8, 1922. Serial No. 541,932. 1 Claim. (Cl. 45—11.)



A foldable table, comprising a top, a pair of links at each end of said top, said links being pivoted at the underside of the top adjacent to the extreme ends thereof and adapted to be swung through an angle of 180° whereby the links may lie in a plane parallel with the top and below the latter or in a plane in alinement with said top, a cross bar connecting the members of each pair of links and adapted to extend beyond the top when the links are in alinement with said top, a leg pivoted to each of the links and movable therewith, and a bracing link pivoted to each of said legs and to the table top.

1,510,172. MANUFACTURE OF MANGANESE-PEROXIDE ANODES. MARTIN HOSENFELD, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Sept. 14, 1923. Serial No. 662,754. 7 Claims. (Cl. 204—4.)

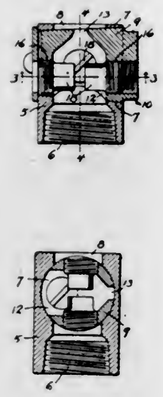
1. The process for the manufacture of insoluble manganese peroxide anodes suitable for electrolysis with dissolved electrolytes, which consists in preparing a carrier from a chemically and electro-chemically indifferent substance, combining manganese nitrate with said carrier and burning said carrier at temperatures over 100° C. until all the manganese nitrate is converted into manganese peroxide.

1,510,173. MANGANESE-PEROXIDE ANODE. MARTIN HOSENFELD, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesselschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Original application filed Sept. 14, 1923. Serial No. 662,754. Divided and this application filed May 1, 1924. Serial No. 710,311. 12 Claims. (Cl. 204—4.)



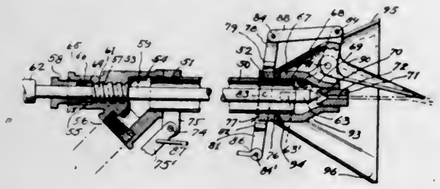
1. Anode of manganese peroxide for electrolytic purposes, comprising a carrier for the peroxide having the shape of the anode and consisting of a substance which in regard to the object in view is chemically indifferent.

1,510,174. SPRAY NOZZLE. CHARLES KELLY, Boston, Mass., assignor to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1919. Serial No. 335,045. 16 Claims. (Cl. 299—114.)



1. A spray nozzle having a receiving portion of relatively large diameter, and an outlet portion of smaller diameter, coaxial with the receiving portion, and a plurality of radial reflectors independently adjustably engaged with and projecting inwardly from the wall of the receiving portion, and having deflecting faces which are adapted to stand either in planes inclined relatively to the longitudinal axis of the nozzle to cause a whirling motion of water flowing through the nozzle, or in planes parallel with said axis to permit the removal of obstructions by the water.

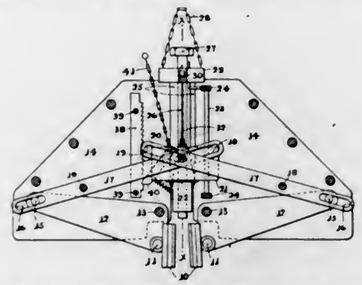
1,510,175. SPRAYING DEVICE. FRANK C. KINNEAR, New Waterford, Ohio. Filed June 11, 1923. Serial No. 644,638. 6 Claims. (Cl. 299—111.)



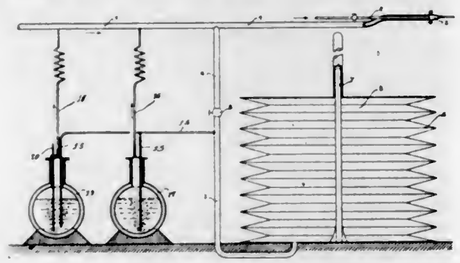
1. In a sprayer, the combination with a body, a nozzle therefor, a shield enclosing the nozzle, a valve to control the volume of fluid passing therethrough, and a deflector adjustably mounted upon the nozzel and within the shield; of a coupling at the other end of the body for attachment to a hose, an operating handle adjacent said coupling, and intermediate means connecting the deflector with the handle, whereby the operator can control the density, shape and direction of the spray.

1,510,176. AUTOMATIC LIFTING GRAB. STANLEY CHRISTIE KNIGHT, Gosforth, England. Filed June 30, 1922. Serial No. 572,000. 4 Claims. (Cl. 294—104.)

1. An automatic lifting grab comprising a frame, jaws pivoted thereto adapted to grip the body to be lifted, a member capable of movement relatively to said frame, pivoted links connecting said member to said jaws, and lifting tackle connected to said member, relative movement in one direction between said member and frame causing the jaws to approach and grip the body which movement automatically occurs when the grab engages the body, and relative movement in the reverse direction between said member and frame causing the jaws to retract and release the body which reverse movement automatically occurs when the weight of the body is taken off the grab.



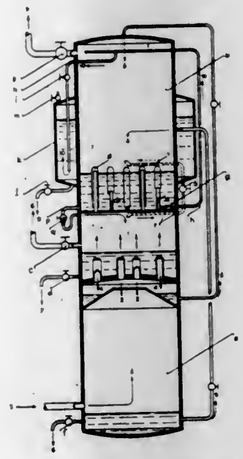
1,510,177. APPARATUS FOR UTILIZING NONCOMPRESSED OXYGEN, ESPECIALLY IN AUTOGENOUS HIGH-TEMPERATURE PROCESSES. WALTER LACHMANN, Dresden, Germany. Filed Jan. 3, 1921. Serial No. 434,833. 4 Claims. (Cl. 158—28.)



1. An apparatus for supplying non-compressed oxygen, comprising, in combination, a vessel adapted to contain liquid oxygen, a gas receptacle, a discharge pipe communicating with said vessel, a conduit for establishing communication between said receptacle and discharge pipe, said conduit being also in communication with the vessel, and means in said discharge pipe for inducing a flow of gas from said vessel.

1,510,178. RECTIFYING COLUMN. WALTER LACHMANN, Dresden, Germany. Filed Jan. 3, 1921. Serial No. 434,835. 2 Claims. (Cl. 62—122.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)

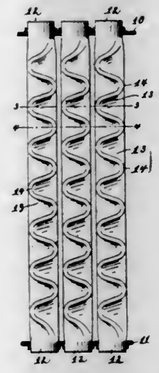
1. A rectifying column for separating the components of gas mixtures, comprising a vessel divided into a rectifying chamber and a preparatory separating chamber disposed below said rectifying chamber, said separating chamber having near its upper end a centrally perforated partition forming a liquid compartment and said rectifying chamber being subdivided into an upper compartment and a lower compartment, said upper compartment being adapted to contain a liquid, a pipe communicating with the separating chamber adjacent to the bottom thereof and with the upper compartment of the rectifying chamber at approximately the center of its height, a pipe communicating with the liquid compartment at the upper end of the separating chamber and with the upper end of said upper compartment, a condenser-vaporizer communicating with the separating chamber above its upper liquid compartment and extending into the lower compartment of the rectifying chamber, warming means extending into the upper compartment from the bottom thereof, said warming means being adapted to conduct vapors from the lower compartment into the upper compartment through a liquid contained in said upper compartment, a by-pass communicating with the upper compartment near its bottom and with the lower compartment near the top thereof, a by-pass communicating with the lower compartment near the top thereof and with the upper compartment at a point remote from its bottom, valve-controlled outlets for drawing off the liquid from the lower end of the separating chamber and the lower compartment of the rectifying chamber, a valve controlled outlet for drawing off the gas from said lower compartment, and an inlet for supplying the gas mixture to the separating chamber.



1,510,179. METHOD OF PRODUCING PHOSPHORUS NITRIDE. FRANS GEORG LILJENROTH, Stocksund, Sweden. Filed Aug. 7, 1922. Serial No. 580,290. 6 Claims. (Cl. 23—10.)

1. The method of producing phosphorus nitride from its elements, which consists in bringing nitrogen and phosphorus to react directly with each other at an elevated pressure and at an elevated temperature which is lower than the temperature of dissociation of phosphorus nitride at the pressure used.

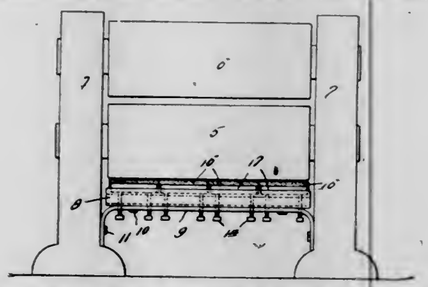
1,510,180. RADIATOR. ERIC G. LINDHE, New York, N. Y. Filed June 13, 1923. Serial No. 645,050. 3 Claims. (Cl. 257—129.)



1. A radiator composed of a plurality of tubes each comprised of a series of cells connected by flattened

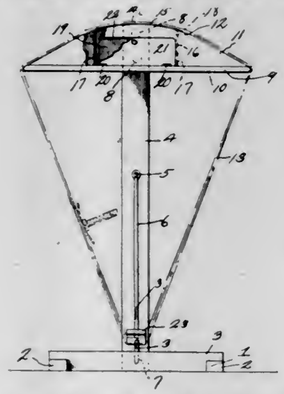
throats, each alternate throat at an angle to the next, and arranged in a group with the throats of the same angularity lying in the same planes, to produce a plurality of series of channels between adjacent throats extending diagonally through such group.

1,510,181. POLISHING DEVICE. DANIEL W. MCCLURE and HAROLD HARRIS, Woodlawn, Pa. Filed July 25, 1923. Serial No. 653,642. 1 Claim. (Cl. 51—251.)



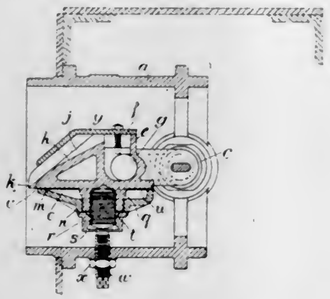
A polishing device comprising a bar, adjusting screws threaded through the bar, a U-shaped guide member receiving the bar, set screws passing through the intermediate portion of said guide member, a U-shaped holder member movably mounted between the sides of the guide member and bearing at its intermediate portion against the ends of the set screws, longitudinally curved leaf springs convexed toward each other and secured together at points between their ends, the ends of one of the leaf springs bearing upon the intermediate portion of the holder in the vicinity of the ends thereof and a polishing stone received between the sides of the holder and bearing at its ends upon the ends of the other leaf spring.

1,510,182. INNER-TUBE-PATCHING STAND. WILLIAM L. MCGOWAN and LENI LAME, Galt, Mo. Filed Feb. 7, 1923. Serial No. 617,648. 1 Claim. (Cl. 154—9.)



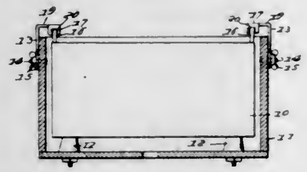
An inner tube patching stand, comprising a base, a vertically disposed standard carried by the base, a guide rod carried by the standard, a vertically movable foot engaging member carried by the guide rod and held at various adjusted positions by frictional engagement with the guide rod, a member carried by the upper end of the standard, said member comprising a base, spaced bars carried by said base and having their upper sides arcuate shaped, a door in the side of one of the bars centrally thereof, a U-shaped member interposed between the bars, the arms of the U-shaped member extending downwardly into kerfs in the inner faces of the bars, thereby forming a receptacle behind the door carried by one of the bars.

1,510,183. LIQUID-HYDROCARBON BURNER. FRANCIS R. MACDONALD, WILLIAM R. A. PICKERSGILL, and FREDERICK S. LOVICK-JOHNSON, London, England. Filed Dec. 11, 1922. Serial No. 606,306. 4 Claims. (Cl. 158—78.)



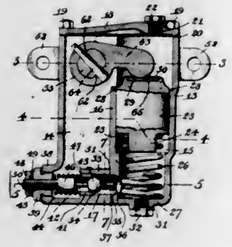
1. In a burner of the character described, the combination with a casing, a fuel nozzle unit mounted in the casing and provided with an inclined weir and a rigid combed dripping edge and adapted to spread a fuel film flowing over the weir and dripping over the edge, and a supply pipe for the nozzle unit, of a second nozzle arranged adjacent the first and adapted to direct an atomizing agent into angular impact with the spread fuel, and a supply pipe for the second nozzle, said fuel nozzle unit being pivotally, adjustably and detachably mounted about the supply pipes whereby the angle of declination of the weir may be adjusted to alter the velocity and thickness of the fuel film.

1,510,184. STORAGE-BATTERY SUPPORT. JOHN M. MANNING, Friendship, Tenn. Filed Aug. 16, 1921. Serial No. 492,845. 6 Claims. (Cl. 204—29.)



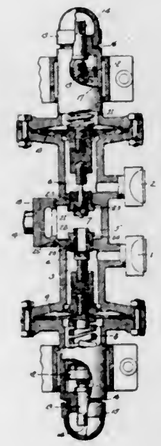
1. A supporting device for a storage battery having a box or housing provided with a battery supporting cushioned seat and yielding means for holding the battery in bearing relation with the seat and consisting of clamps having a cushioned engagement with the battery case.

1,510,185. SHOCK ABSORBER. ADOLPH W. F. MANZEL, Buffalo, N. Y., assignor to Manzel Bros. Co., Buffalo, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,292. 40 Claims. (Cl. 188—88.)



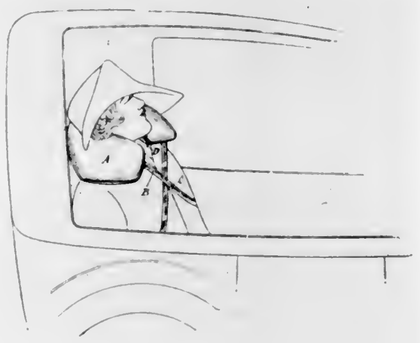
1. A shock absorber, comprising a casing having two chambers connectel by a passage, oppositely movable elements within said passage controlling the flow of fluid therebetween from each chamber to the other, and means for causing the fluid to flow from each chamber to the other through said passage.

1,510,186. AUTOMATIC EXPANSION VALVE. HENRY H. MARSHALL, West Hartford, Conn., assignor to The Automatic Refrigerating Company, Hartford, Conn., a Corporation of New Jersey. Filed Feb. 21, 1923. Serial No. 620,450. 6 Claims. (Cl. 50—11.)



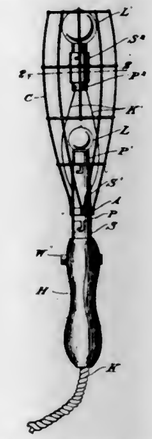
3. The combination of an expansion valve controlled by the pressure in the low pressure side and an automatic stop valve controlled by the pressure on the high pressure side with an intermediate chamber between them, the expansion valve having less area than the stop valve so as to avoid wire-drawing of the latter.

1,510,187. HEADREST. BETHINE A. MARTIN, Philadelphia, Pa. Filed Oct. 1, 1923. Serial No. 665,743. 4 Claims. (Cl. 155—175.)



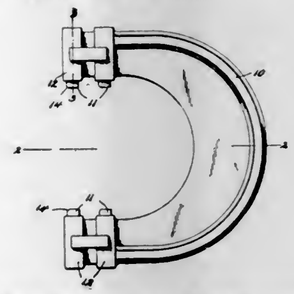
1. A head rest comprising a relatively thick cushion adapted to be placed against the back of the neck of the user, and means that are attached to the ends of said cushion and adapted to cross each other upon the breast of the user and extend in opposite directions around his waist and there be fastened to each other.

1,510,188. DIRECTION INDICATOR FOR AUTOMOBILES. FRANK A. MATTKE, Vernon, Calif. Filed Nov. 26, 1921. Serial No. 518,080. 1 Claim. (Cl. 177—329.)



A direction signal for motor vehicles comprising a handle, a socket supported on the handle, a lamp received in the socket, a cage sustained on the socket, extensions formed on the cage, and a second socket supported on the extensions and disposed within the cage.

1,510,189. LIMIT SNAP GAUGE. ALEXANDER MELDRUM and CARL GABRIELSON, Syracuse, N. Y., assignors to Meldrum-Gabrielson Corporation, Syracuse, N. Y., a Corporation of New York. Filed Apr. 1, 1921. Serial No. 457,729. 1 Claim. (Cl. 33—163.)

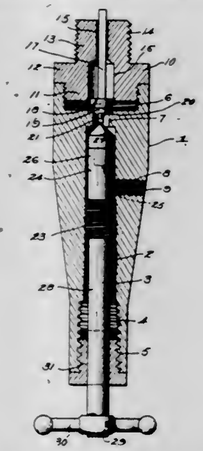


A limit snap gauge comprising a frame provided with opposite pin sockets and a measuring stud or pin in each socket having a portion non-circular in cross section, non-rotatably fitting and longitudinally movable in a matching non-circular portion of said socket with a flat end work surface for measuring in a plane at right angles to the line of movement of the pin in the frame and having on the side facing the work a flat surface presenting a straight edge at right angles to the line of movement to the work, and a beveled surface connecting the working surface and the flat surface facing the work.

1,510,190. GAUGE COCK AND BLOW-OFF VALVE. GEORGE ODUM, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 527,429. 2 Claims. (Cl. 251—140.)

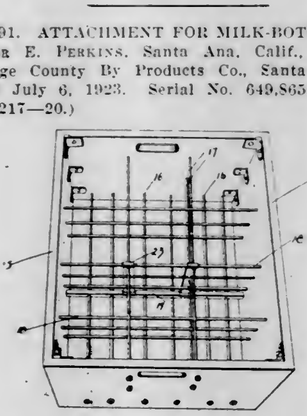
1. A gauge cock or blow off valve including a vertically disposed casing formed with a longitudinal bore, a reduced passage above and communicating with said bore and forming a valve seat at its upper end, a passage above said reduced passage and having communication therewith; an outlet in the casing communicating with the bore below said reduced passage, a member operative in said bore for adjustment longitudinally thereof, and a

turbinoid valve cooperating with said seat and having extensions at its ends with maximum dimensions approximating the diameter of the respective passages in which



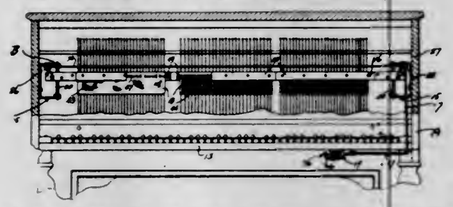
said extensions are located, the operating member being adapted to engage one of said extensions to lift the valve from its seat, said valve having inclined channels to receive the fluid under pressure and rotate the valve.

1,510,191. ATTACHMENT FOR MILK-BOTTLE CASES. OSCAR E. PERKINS, Santa Ana, Calif., assignor to Orange County By Products Co., Santa Ana, Calif. Filed July 6, 1923. Serial No. 649,865. 3 Claims. (Cl. 217—20.)



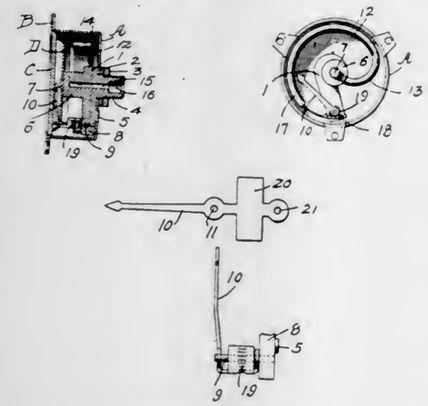
1. An attachment for bottle cases comprising a strip of U-shape in cross section, said strip being provided at intervals with openings and slots, strips arranged at an angle with respect to the first strip and having their opposite ends bent to form sleeves, the sleeves on one end of the strips being disposed within said slots.

1,510,192. TONE-MODIFYING DEVICE FOR PIANOS. ROLAND C. PINDER, Lima, Ohio. Filed Sept. 14, 1921. Serial No. 500,546. 12 Claims. (Cl. 84—224.)



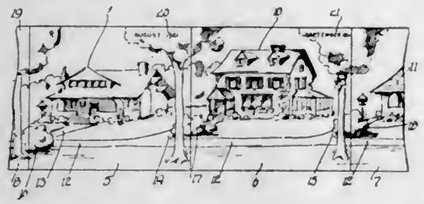
8. In a device of the class described, the combination with a piano including bass and treble strings, of a rail mounted in slidable manner therein, and including sections connected together in parallel relation and offset with respect to each other, a plurality of wires detachably mounted upon said rail sections, tone modifying members for the individual treble strings of the piano scale for adjustable and detachable arrangement on said wires, and a single adjustable and detachable tone modifying member mounted on one of said wires for the bass strings of the piano scale.

1,510,193. PRESSURE GAUGE. BEN P. PAYOR, JR., Maxwell, Calif. Filed Jan. 2, 1923. Serial No. 610,321. 5 Claims. (Cl. 73—109.)



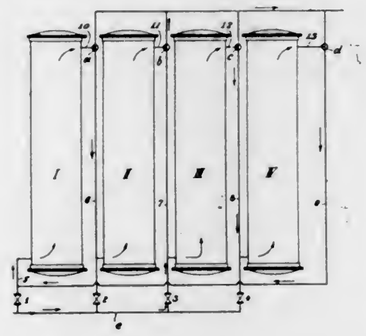
1. In a pressure gauge, a housing, an expansion tube therein, means connecting said tube with a source of pressure supply, an indicator face on the housing including a graduated scale, a pointer co-acting with said scale, a pinion fixed to the pointer, and a rack connected to the expansion tube and meshing with said pinion, said connecting means comprising a core block having a bore adapted to open to the pressure supply, said expansion tube having one end secured to said block and communicating with said bore.

1,510,194. BOOK. WILLIAM A. RADFORD, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,045. 4 Claims. (Cl. 283—56.)



1. The combination with the successive issues of a publication of a series of printed sheets forming parts of said successive issues, said sheets bearing pictorial representations of houses of different styles and being adapted to be joined edge to edge to form a continuous panoramic view, the individual houses being represented on a scale and style congruous to each other, the publication containing a sheet having a plan layout of the house pictorially represented on the individual sheet forming a part thereof, said individual pictorial representation bearing sheets bearing on the fore ground parts of a walk or street to simulate a continuous panoramic view, the edges of said sheets bearing pictorial representations to mask the joining of the sheets, and each sheet having reference means to the issue of the publication in which it was originally contained.

1,510,195. FERMENTATION PROCESS. ADOLF RÖMER, Stuttgart, Germany, assignor to Deutsch-Koloniale Gerb- & Farbstoff-Gesellschaft m. b. H., Karlsruhe, Germany, a Society of Germany. Filed Aug. 27, 1919. Serial No. 320,262. 4 Claims. (Cl. 195—20.)

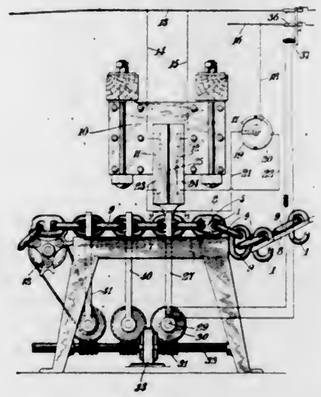


1. A method of continuous fermentation of technical sugar solutions consisting in conducting the sugar solutions through a plurality of vessels connected in series, each vessel being charged with fixed ferment of different fermenting power.

1,510,196. FERMENTATION PROCESS. ADOLF RÖMER, Stuttgart, Germany. Filed Apr. 9, 1921. Serial No. 460,148. 10 Claims. (Cl. 195—20.)

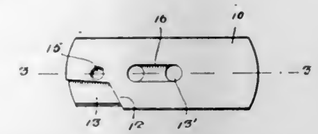
10. The method of continuous fermentation of waste sulphite liquor which consists in passing the solution through a plurality of vessels connected in series, each vessel containing discrete masses of fixed yeast and continuing the flow at such a rate as to allow contact between the solution and the yeast for a sufficient time to produce fermentation of the fermentable substances contained in the solution.

1,510,197. METHOD OF AND MACHINE FOR ELECTRIC WELDING. MICHAEL B. RYAN, Milford, Conn. Filed Aug. 8, 1923. Serial No. 656,405. 6 Claims. (Cl. 219—5.)



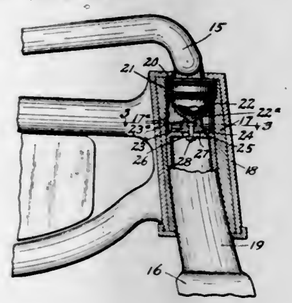
1. The method of electrically welding a chain link having a gap therein which comprises inserting a plug in the gap and applying welding current first to one of the joints between the plug and the link and then to the other of said joints.

1,510,198. HOLDER. JOHN L. SCOTT, Grenada, Miss. Filed Dec. 5, 1923. Serial No. 678,757. 1 Claim. (Cl. 30—14.)



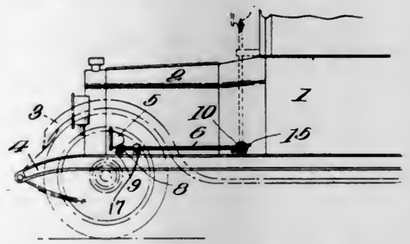
A holder for safety razor blades having a plurality of spaced openings, said holder being formed from a single piece of material and of channel like formation in cross section to slidably receive the blade, means for limiting the movement of the blade in one direction through the holder, said holder having one corner cutaway to allow the corresponding corner of the blade to project from the holder for use, means carried by the holder and adapted to be received by one of the openings in the blade for holding the latter fixed relatively to the holder, and said holder having a slot adapted to coincide with the openings in the blade whereby an instrument may be projected through the slot and in either of said openings to facilitate moving the blade within the holder.

1,510,199. PNEUMATIC CUSHION FOR HANDLEBARS. HENRY SEIBEL, San Francisco, Calif., assignor to United Air Spring Company of Arizona, Phoenix, Ariz., a Corporation of Arizona. Original application filed July 2, 1920, Serial No. 393,554. Divided and this application filed Jan. 11, 1923. Serial No. 611,969. 5 Claims. (Cl. 208—97.)



1. A steering member for a vehicle having a flexible support, and a deformer engaging said support, the turnable steering means for a wheel of said vehicle supporting said deformer, with said deformer arranged for lateral movement relative to said support.

1,510,200. ADJUSTABLE HEADLIGHT. JAMES B. WATSON, Thurston, Ohio. Filed Feb. 14, 1924. Serial No. 692,783. 1 Claim. (Cl. 240—7.)



An auxiliary light structure for motor vehicles comprising a lamp, an arm to one end of which said lamp

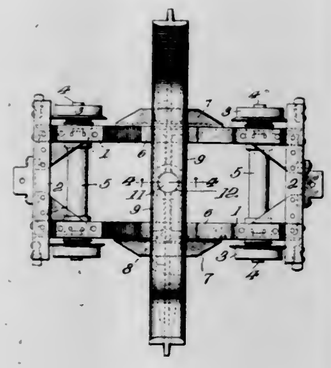
is attached, said arm being pivotally secured to the body of said vehicle at its other end and means for holding said arm and light in a horizontal position between the hood and fender, below and at the rear of the headlight whereby the headlight, hood and fenders serve to direct the rays from the auxiliary light so as to eliminate diffusion and the consequent glare in the eyes of the driver of an oncoming machine.

1,510,201. GAUGE FOR STAPLING MACHINES. JOHN W. WELCH, Atlanta, Ga. Filed Sept. 4, 1923. Serial No. 660,928. 2 Claims. (Cl. 2—7.)



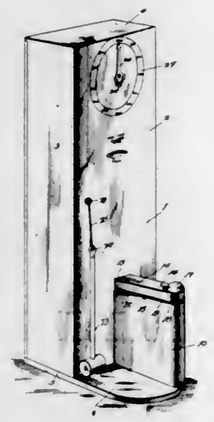
2. The combination with the saddle of a machine for stapling or stitching pamphlets or the like, of a gauge comprising a base section which is inverted V-shaped in cross section and which has a longitudinally extending slot in one of its sides, a top section of inverted V-shape in cross section, said top section being adapted to fit over the base section and being provided with a corresponding longitudinally extending slot, and means to clamp the gauge sections to the saddle whereby the base section is longitudinally adjustable with respect to the saddle and adapted to position the leaves or body of the pamphlet to be stitched with respect to the stitching mechanism and the top section is adjustable with respect to the base section and adapted to position the cover of the pamphlet with respect to the body thereof.

1,510,202. BOLSTER-ARM CAR. HAROLD E. AUSTIN, Louisville, Ky., and JESSE C. COOK, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed Dec. 8, 1922. Serial No. 605,728. 14 Claims. (Cl. 105—365.)



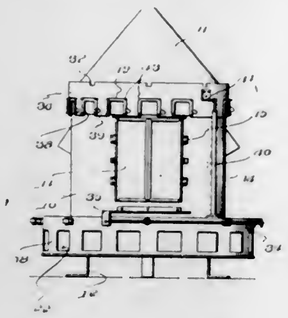
1. A timber car for wood impregnating cylinders including a frame having longitudinal side sills and end sills, and an upwardly facing concaved bolster arm supported by said side sills.

1,510,203. STRIKING MACHINE. CLARENCE L. BARNHART, South Brooklyn, N. Y. Filed Apr. 1, 1922. Serial No. 548,718. 13 Claims. (Cl. 265—22.)



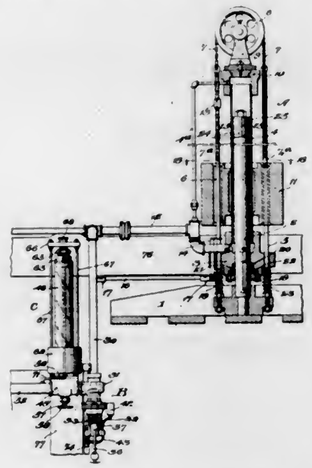
1. In a striking machine, an anvil member, an indicator shaft, a volute wing upon said shaft, indicator mechanism actuated through rotation of the shaft, and a rider actuated through movement of the anvil member upon the application of force thereto to move in the path of the active surface of the cam and effect rotation of the said shaft.

1,510,204. TRAP NEST. CHARLES BAZZILL, Trinidad, Colo. Filed May 19, 1923. Serial No. 640,217. 3 Claims. (Cl. 119—47.)



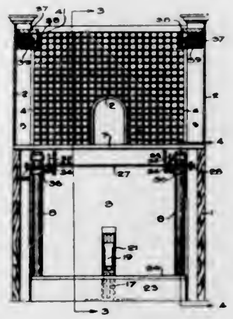
2. A trap nest comprising a cylindrical casing having a closed top and an open bottom, said casing being formed with a door opening and a relatively small opening leading thereinto, a pair of hingedly mounted doors normally closing the door opening, an egg carrier rotatably mounted upon the lower end of the casing and divided into compartments, a bottom plate movably mounted within the casing, a latch device carried by the casing, an operative connection between said movable bottom and said latch device, spring means tending to rotate the egg carrier in one direction, a plurality of stops carried by the carrier and co-operating with said latch for holding the carrier at a selected position, a ring rotatably mounted upon the upper end of the casing and formed with cut out portions successively registering with said relatively small opening, and an elastic band surrounding each cut out portion.

1,510,205. COTTON TRAMPER. JAMES T. BEATY, Charlotte, N. C., assignor to Liddell Company, Charlotte, N. C., a Corporation of North Carolina. Filed Apr. 9, 1924. Serial No. 705,344. 10 Claims. (Cl. 138—10.)



1. In a device of the kind described, the combination of a tramper head, means to operate said head including a valve, and means to time the operation of said valve, said timing means adapted to be adjusted to vary the speed of the operation of the device.

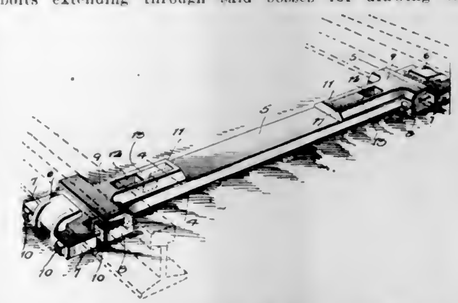
1,510,206. BANK CAGE. THOMAS BOND, Brantford, Ontario, Canada. Filed Aug. 18, 1923. Serial No. 658,140. 7 Claims. (Cl. 20—1.01.)



1. In a bank cage, the combination with the front thereof, of a vertically slidable bullet proof shutter, means for pulling the shutter down into its normal position, releasable means for normally holding the shutter in the normal position, a tension spring having its lower end provided with a projection adapted to engage the bottom edge of the shutter when in the normal position, and its upper end provided with an extension adapted to engage said shutter upon the latter being thrown upwardly.

1,510,207. RAILWAY TIE. WILLIAM BOST, St. Charles, Va. Filed Apr. 23, 1924. Serial No. 708,524. 4 Claims. (Cl. 238—332.)

1. A rail tie comprising a body having its ends provided with rail engaging means, clamps mounted for sliding movement on said body and adapted to engage the inner sides of a pair of rails, said body and said clamps being provided with laterally projecting bosses, bolts extending through said bosses for drawing the



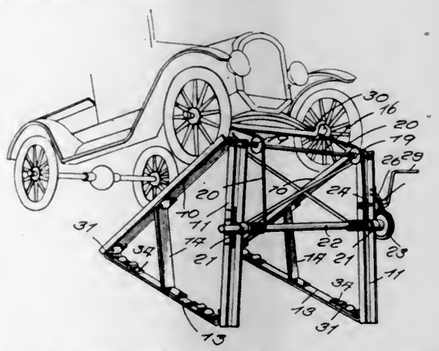
clamps into engagement with the inner base flanges of the rails, and means cooperating with said clamps for preventing the upward movement of the same.

1,510,208. MINE DOOR. WALTER C. CANTERBURY, Beckley, W. Va. Filed Jan. 12, 1924. Serial No. 685,865. 5 Claims. (Cl. 246—304.)



1. Apparatus of the class described including a door frame, oppositely swinging doors mounted therein, a track extending through the frame, upstanding levers on opposite sides of the frame, a depressible operating rail close to one of the rails of the track, cushioning means for transmitting motion from said operating rail to one of the upstanding levers, cushioning means for transmitting motion from the other upstanding lever to one of the doors, means for transmitting motion to the other door from the first named upstanding lever, and a single spring connecting the upstanding levers for holding the doors normally closed and for maintaining the operating rail in raised position.

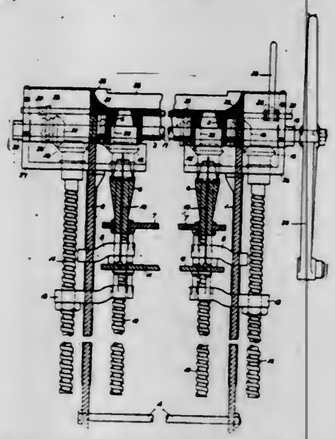
1,510,209. AUTOMOBILE HOIST. FRED C. CHRISTMAN, Galion, Ohio. Filed Sept. 5, 1923. Serial No. 661,082. 2 Claims. (Cl. 254—88.)



1. In an automobile hoist, spaced inclined channeled track members adapted to receive and guide the wheels of an automobile, brace members associated with said track members and supporting the upper ends thereof, a shaft journaled upon said brace members, a second shaft secured against rotation with relation to the brace members and carried by said brace members, said second

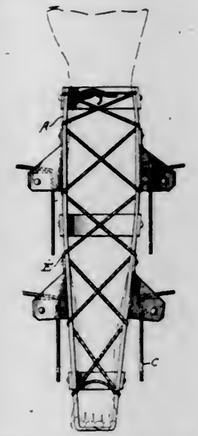
shaft being arranged above the first named shaft, a pair of pulleys rotatable upon the last named shaft and shiftable longitudinally thereof, cables secured to the first named shaft and trained over said pulleys, means at the free ends of said cables for securing the same to the chassis of a vehicle, and means for rotating the first named shaft.

1,510,210. MACHINE FOR MOLDING NIGHT LIGHTS. WILLIAM HARPER DAY, Hounslow, England. Filed Apr. 9, 1923. Serial No. 630,973. 10 Claims. (Cl. 18—27.)



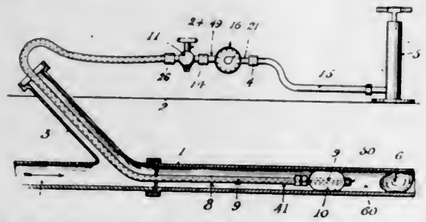
1. A machine for molding tapered night lights comprising stationary end plates, a mould box joining said end plates, a series of inverted moulds in said mould box, a series of vertically movable mould covers adapted to be raised to a position to close the open mouths of said inverted moulds, a corresponding series of corepins adapted to be positioned within said moulds and means for withdrawing said mould covers and said corepins from said moulds with the finished night lights adhering to said covers and said pins.

1,510,211. SWIMMING AID. MELVILLE L. DE WITT, Easton, Mass. Filed Nov. 21, 1923. Serial No. 676,167. 1 Claim. (Cl. 9—21.)



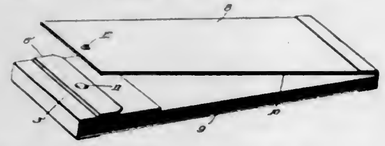
A swimming attachment for the leg comprising a rigid strap extending under the foot and upwardly on both sides of the leg to a point below the knee, a lacing or straps extending along the front and connecting the leg portions of said first named strap, also straps rigidly connected with the leg portions of said first named straps embracing the rear of the leg, and laterally swinging vanes secured to first mentioned strap adapted to swing outwardly upon a rearward movement of the foot.

1,510,212. DEVICE FOR OPENING STOPPED DRAIN-PIPES. RHESA G. DU BOIS, East Orange, N. J. Filed Nov. 29, 1922. Serial No. 604,072. 9 Claims. (Cl. 137—70.)



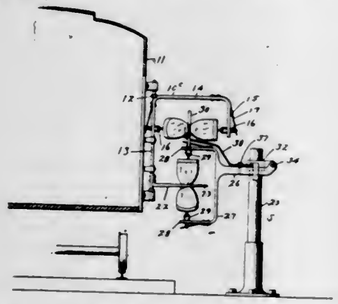
1. In a pneumatic pipe-clearing apparatus, a pair of flexible air-delivering pipes placed one within the other, in combination with an expansible stopper-head supplied with air by one of said pipes to expand and seal the pipe to be cleared, the other pipe being arranged and adapted to pass air beyond the stopper-head and to deliver it between the head and stoppage.

1,510,213. COVER FOR CHECK BOOKS. HARRY E. EWING, Uniontown, Pa. Filed May 9, 1922. Serial No. 559,581. 1 Claim. (Cl. 231—19.)



A bank check book of the character described comprising a pad including stubs, binder ends for the stubs, a lip formed on one binder end and being raised in a manner to provide a space therebetween and the pad, said last mentioned binder end having its upper portion including the lips reinforced by being bent upon itself with the end thereof terminating in alignment with the end of the pad, a back for the pad, a closure flap flexibly secured to the binder end opposite the raised end and having its free end terminating inwardly from the stub end to be received in the space between the lip and the pad and a sheet of blotting paper fixed to the lower surface of the closure flap for the purpose specified.

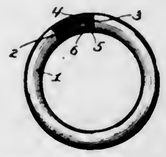
1,510,214. MAIL-BAG-HANDLING DEVICE. ARTHUR FORD, Collinsville, Ala. Filed Jan. 30, 1922, Serial No. 532,913. Renewed July 7, 1924. 2 Claims. (Cl. 258—11.)



1. The combination with a mail bag handling apparatus including bag supporting members, of means for re-

movably securing a bag in position, said means including a spring gripping element open at one end and slidable through an opening in said apparatus and a spring arm secured to the opposite end of the gripping member for normally closing the open end of the same.

1,510,215. TIRE. LOUIS FRITZ, Memphis, Tenn. Filed Aug. 15, 1922. Serial No. 581,966. 2 Claims. (Cl. 152—9.)



1. A tire comprising a tube of resilient material, a core extending through said tube and maintaining it against collapse, and removable means for securing the ends of the tube together whereby different portions of its exterior may be disposed in position to constitute a tread.

1,510,216. BLEACHING POWDER. CHARLES A. GAMMAL, Worcester, Mass. Filed Feb. 19, 1924. Serial No. 693,899. 8 Claims. (Cl. 23—13.)

1. The process of stabilizing bleaching powder which consists in treating commercial bleaching powder with water, and thereafter removing the water.

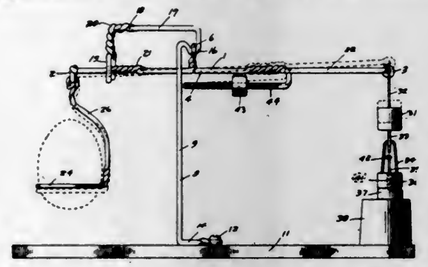
1,510,217. TOILET HEATING COMB. SOLAM GOLDBERG, Louisville, Ky. Filed Feb. 7, 1924. Serial No. 691,241. 3 Claims. (Cl. 132—14.)



1. A toilet comb for heating and straightening the hair, formed of metal and embodying a back and spaced teeth extending laterally therefrom, each tooth having its face disposed at a right angle to the longitudinal axis of the comb and tapering forwardly from a maximum point of width, and tapering rearwardly from this maximum point of width toward the back, and a handle carried by the back.

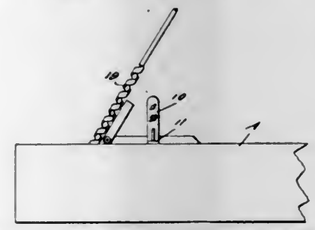
1,510,218. AUTOMATIC EGG GRADER. EDWARD GOODWIN, Folsom, Calif. Filed Jan. 5, 1922. Serial No. 527,163. 3 Claims. (Cl. 255—48.)

1. In an egg grader of the character described, the combination of a balancing lever having an egg receptacle suspended from one end so that the same is normally balanced by the other end and a selective weight system associated with said other end comprising a lower weight normally resting on a stationary support, a second weight normally resting on the lower weight, a rod extending from the lower weight through the second weight having a head thereon adapted to limit the travel of the second weight relative to the lower weight, a hook extending



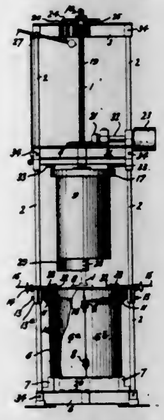
upwardly from the second weight, and a third weight suspended from the lever arm having a downwardly extending hook engaging the former hook for limiting the travel of the third weight relative to the second weight.

1,510,219. AUGER GUIDE. ROSWELL B. HARDING, Buckley, Wash. Filed Oct. 17, 1923. Serial No. 669,176. 1 Claim. (Cl. 33—185.)



In an auger guide, a clamp comprising spaced uprights, a base member projecting at a right angle from the lower end of each upright, whereby said clamp can be supported upon the work to be bored, a set screw connected with the respective parts of the clamp for holding them operatively related, an additional set screw carried by one part of the clamp and cooperating with the other part to effect an adjustment between said parts, and a square adapted to be arranged between the parts of the clamp for the purpose specified.

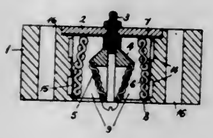
1,510,220. CONCRETE-PIPE-MAKING MACHINE. BERT HEFFER, Esher, England. Filed Mar. 22, 1923. Serial No. 626,886. 8 Claims. (Cl. 25—30.)



1. A concrete pipe making machine comprising outer and inner moulds between which concrete is fed, the

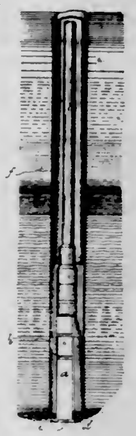
inner mould of the full length of the outer mould and being adapted to support the concrete while it is being tamped, a trowel carried at the lower end of the inner mould, and means for withdrawing helically from the pipe being made the inner mould with its trowel so that said trowel travels helically over and smooths the inner surface of the pipe as said surface is exposed by the withdrawal of the inner mould, substantially as described.

1,510,221. VAPORIZER. ERNEST E. HERMAN, Reading, and LIONEL V. RILEY, Maidenhead, England, assignors to The Dental Manufacturing Company Limited, Alston House, London, England. Filed July 9, 1923. Serial No. 650,538. 5 Claims. (Cl. 48—180.)



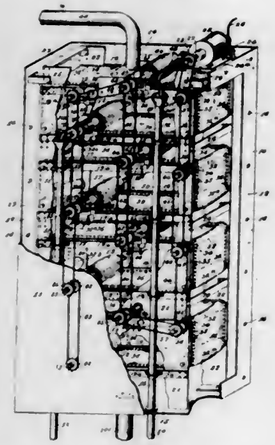
3. A device for evaporating liquid particles in the gaseous fuel mixture for internal combustion engines, comprising a housing adapted to be combined with the induction system and having air inlets therein, a cross member of stream line section mounted at the delivery end of said housing, a screw centrally mounted in said cross member, a solid upper cone, a lower cone of interwoven wire and asbestos, said cones being mounted base to base on said screw, a partly tapered outer sleeve of interwoven wire and asbestos mounted in said housing, on which the liquid particles impinge, a washer mounted in said housing and retaining said outer sleeve, grooved inner walls in said housing communicating with said air inlets, a gauze filter sleeve between said outer sleeve and said inner walls, and a perforated disc adapted to register with and adjust said air inlets revolubly mounted on said housing.

1,510,222. EXPANSION PERCUSSION BIT FOR DRILLING OR BORING OPERATIONS. JOHN HENRY HERMAN, Melbourne, Australia. Filed July 9, 1920. Serial No. 395,069. 3 Claims. (Cl. 255—73.)



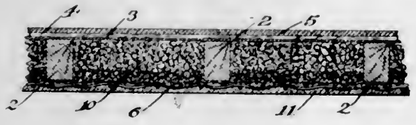
1. In a percussion bit for drilling and boring operations, a bit body having a lower narrow cutting edge and a second broader cutting edge spaced above the lower edge and offset laterally therefrom, said bit body provided in one side adjacent to the narrow cutting edge with a narrow deep recess, a bearing member movably fitting within the recess, a pivot carried by the bit body and engaging through the upper end portion of said movable member and adapted to receive thrust thereof when extended, and a horizontally arranged spring seated in the body in the recess for normally extending said member from the side of the bit body whereby upon extension of said member the lower cutting edge is adapted to bear against the wall of a well bore and to maintain said bit body in substantially offset relation with the cutting edges in the bore and counterbore, said movable member having a portion arranged to block the outer end of said recess for maintaining the space behind the movable member closed.

1,510,223. SEWAGE-TREATING APPARATUS. OTTO A. HERRMANN, Waterbury, Conn. Filed Jan. 5, 1923. Serial No. 610,797. 1 Claim. (Cl. 210—2.)



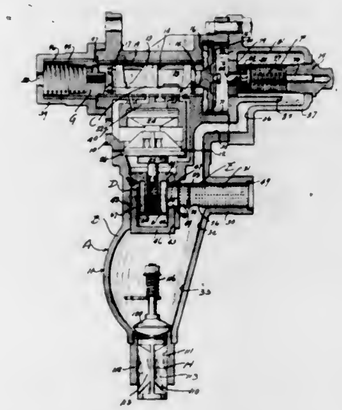
In an apparatus for treating sewage, a casing, a series of endless flexible filtering screens having, horizontal upper and lower stretches located in said casing, means for delivering raw sewage to the top stretch of the top screen, each of said screens being driven by a pair of upper pulleys and a pair of lower pulleys, the upper pulleys being concave and the lower pulleys being convex, whereby both stretches of said screen will be concave upwardly and will form channels to hold fluent material from falling out, the filtrate from the upper stretch of each screen being refiltered by the lower stretch thereof, and the filtrate from the upper screen being refiltered by the lower screens in succession, each of said screens having a pair of rotary convex brushes in contact therewith for cleaning the sludge therefrom, two vertical rows of inclined troughs engaging said brushes to collect the sludge therefrom, and a pair of common sludge pipes located outside said casing for receiving the sludge from the two vertical rows of troughs respectively.

1,510,224. BUILDING CONSTRUCTION. WILLIAM H. HICKS, Los Angeles, Calif., assignor to Lycurgus Lindsay, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,084. 7 Claims. (Cl. 72—33.)



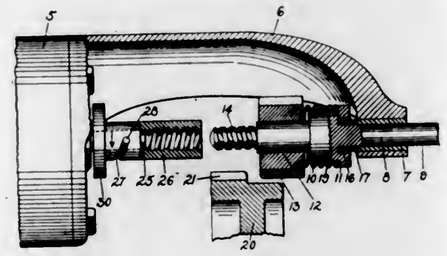
1. A composite wall consisting of stud members having an inside layer or sheet forming impervious mold-like sides along the inside faces of the studs, a webbing applied to the outside faces of the studs to form a mold side, reinforcing fabric secured over the said webbing, a cementitious filling in the mold-like chambers formed between the studs and the inside and outside layers thereon, and an exterior cementitious coat embedding the fabric and the webbing.

1,510,225. TRIPLE VALVE FOR AIR-BRAKE SYSTEMS. ELLIS M. HOWARD, Oviedo, Fla. Filed Apr. 27, 1923. Serial No. 635,008. 28 Claims. (Cl. 303—33).



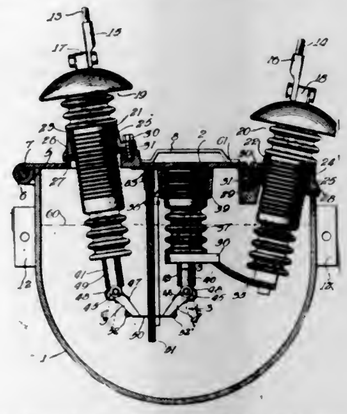
1. In combination with an air brake triple valve including a housing providing a compartment having an opening therein through which air under pressure flows into the compartment, of a strainer over said opening adapted to collect dust and foreign material from the air passing into said compartment, said strainer having an opening therein through which collected dust and foreign material may fall out of the path of air travel.

1,510,226. ENGINE STARTER. CLARENCE O. HOWLAND, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 15, 1920. Serial No. 365,790. 6 Claims. (Cl. 74—7.)



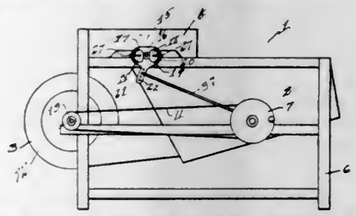
1. In an engine starting mechanism the combination of a rotatable engine member, driving means therefor normally detached from said member, a drive shaft normally detached from said driving means and in axial alignment therewith and means constructed to be moved into engagement with said driving means by the initial rotation of said shaft to transmit a driving torque from said shaft to said driving means.

1,510,227. CUT-OUT FOR ELECTRICAL CIRCUITS. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 21, 1921. Serial No. 453,889. 13 Claims. (Cl. 200—114.)



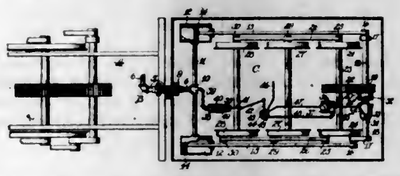
1. In combination, a casing, a lid for said casing, a fuse structure movable with said lid and a single terminal for completing a circuit through the fuse structure when the lid is closed.

1,510,228. FANNING-MILL GATE. NELS C. O. P. JACOBSEN, Walla Walla, Wash. Filed Apr. 8, 1924. Serial No. 704,907. 6 Claims. (Cl. 130—17.)



1. In a fanning mill gate, a gate comprising a pair of wing members, movably mounted beneath the outlet of the hopper of said mill, means to independently adjust said wing members and means engageable with the adjusting means to collectively oscillate said wing members.

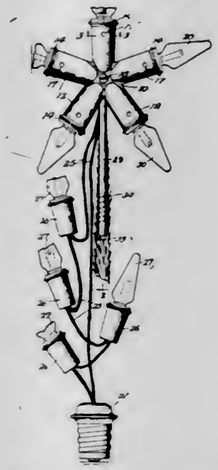
1,510,229. AUTOMATIC CLUTCH-CONTROLLING DEVICE FOR POWERED TENDERS. EDWARD SPENCER JOHNSON, Davenport, Iowa. Filed Mar. 1, 1922. Serial No. 540,347. 4 Claims. (Cl. 105—48.)



1. A power control for locomotive tenders comprising drive-wheels and axles therefor, means for connecting the drive wheels, one of the axles having fast thereon a gear wheel, a crankshaft, a gear loose on the crank shaft for engagement with the gear on the axle, means for rotating said shaft, a flexible steam-pipe leading from the locomotive to the tender, a cylinder with which said steam-pipe is connected, a spring returnable piston head therefor, a piston rod and link connected thereto, an air-pipe, a

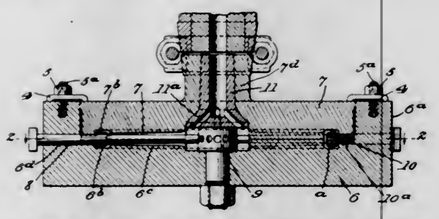
valve in said pipe the spindle of which has a transverse arm to which said link is connected, and means actuated by steam pressure for driving the crank shaft, and for moving the valve in position to admit fluid pressure to means for holding the loose gear on the driven shaft in non-rotatable engagement therewith.

1,510,230. LIGHT FOR CHRISTMAS TREES AND THE LIKE. JOHN JOHNSTON, Chicago, Ill. Filed Jan. 28, 1924. Serial No. 688,952. 6 Claims. (Cl. 240—10.)



1. A light for Christmas trees and the like including a plurality of light sockets secured to a fixed support, conductors connected with the said sockets, additional sockets connected with the said conductors and flexibly suspended thereby from the fixed support and being movable adlibitum with respect to the said support, a plug to which the conductors are connected, and means for securing the said support upon a tree or the like.

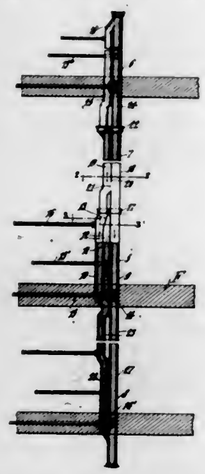
1,510,231. APPARATUS FOR MAKING METALLIC VEHICLE WHEELS. HARRY W. KELLER, Pittsburgh, and ALBERT T. KELLER, Bethlehem, Pa. Filed July 6, 1922. Serial No. 573,206. 6 Claims. (Cl. 22—120.)



1. Apparatus for casting metal wheels having channel shaped fellies with inwardly turned flanges comprising complementary mold members having mating hub, spoke and felly forming cavities, and collapsible sectional cores cooperating with said cavities.

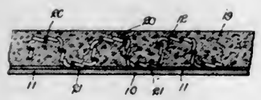
1,510,232. PLUMBING SYSTEM. EDWARD KENNEDY, New York, N. Y. Filed Jan. 16, 1922. Serial No. 529,422. 3 Claims. (Cl. 4—211.)

1. A unit for plumbing systems consisting of parallel waste and vent pipes having no communication with each other and an additional combined waste and vent pipe between the same and formed integral therewith and the upper end of the combined waste and vent pipe drawn inwardly and having an opening communicating with the main vent pipe, the additional combined waste and vent pipe having communications with the waste pipe and



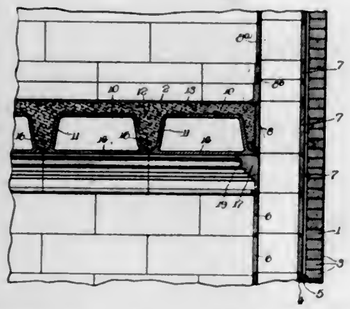
a socket communicating with the main waste pipe and the lower end of the additional vent pipe midway between the same.

1,510,233. PLASTER-RECEIVING BOARD. OWEN D. MCFARLAND, Chicago, Ill., assignor of one-half to Harry A. Cumfer, Chicago, Ill. Filed Dec. 21, 1921. Serial No. 523,875. 2 Claims. (Cl. 72—119.)



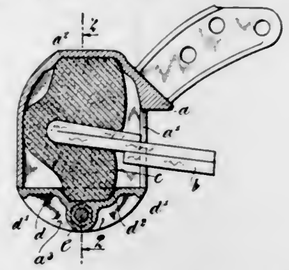
2. An article of manufacture comprising a sheet of expanded metal fabric; an asphalt saturated sheet and a coating of plastic asphalt of uniform thickness between the sheets in which parts of the metal sheet are embedded.

1,510,234. BUILDING CONSTRUCTION. WILLIAM D. MANN, Chicago, Ill. Filed Nov. 1, 1920. Serial No. 420,954. 5 Claims. (Cl. 72—1.)



1. A building structure composed of hollow wall and floor tile blocks, the exposed portions of the same (comprising the ceiling portion of the floor blocks and both sides of the wall blocks) simulating and having the qualities of the surface appropriate thereto, the blocks being hollow and laid so that one block is provided in the depth of wall or floor.

1,510,235. HOUSING FOR CUSHION CONNECTIONS FOR VEHICLE CONSTRUCTION. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1922. Serial No. 543,662. 3 Claims. (Cl. 267—30.)



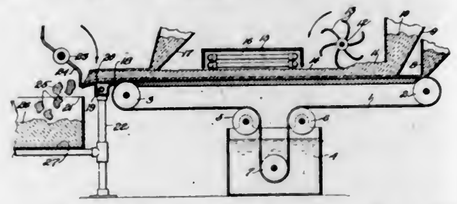
1. As an article of manufacture, a housing for a non-metallic resilient connection between the spring and frame of a motor vehicle having an opening of substantially the entire bottom area, a cap of less area than said opening and disposed within the same above the lower edges of the side walls of the housing and a bolt passing through apertures in the side walls to secure said cap in closing relation with respect of the opening.

1,510,236. FEEDING MECHANISM FOR MATERIAL-TREATING MACHINERY. FREDERICK MAUSSNER, Collingswood, N. J., and ISAAC B. RITTER, Philadelphia, Pa., assignors to Henry Wilhelm Company, Pittsburgh, Pa. Filed July 13, 1921. Serial No. 484,528. 10 Claims. (Cl. 19—155.)



1. A feeding device for a material treating machine comprising an endless belt adapted to feed material towards said machine, top and side walls positioned adjacent to said belt to form a channel for receiving loose material, means for varying the size of the channel in cross-section, and means for filling the channel with loose material throughout a portion of its length to form a column of material adapted to be carried by said endless belt into the said machine.

1,510,237. APPARATUS FOR FORMING SHOE-BOTTOM FILLER. GEORGE H. MAXWELL, Phoenix, Ariz. Filed Sept. 14, 1921. Serial No. 500,711. Renewed Mar. 17, 1924. 12 Claims. (Cl. 18—15.)

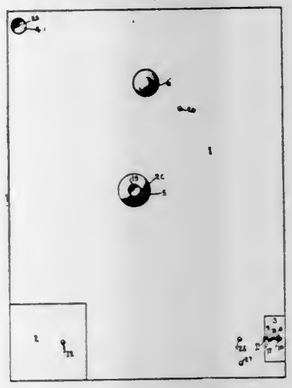


1. The herein described apparatus, comprising a support, means to deposit a thick layer of hot, viscous, granular filler on said support, means to remove the upper portion of said layer without compression to leave a thin layer, provision to cool said thin layer, and means to sever said thin layer into fragments without compression.

1,510,238. SHOE-BOTTOM FILLER AND METHOD OF MAKING SAME. GEORGE H. MAXWELL, Phoenix, Ariz. Original application filed Sept. 14, 1921. Serial No. 500,711. Divided and this application filed Aug. 28, 1922. Serial No. 584,879. 15 Claims. (Cl. 18—48.)

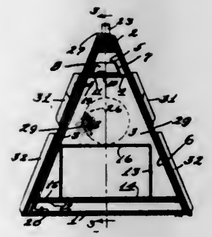
3. The process, consisting of copiously wetting a supporting surface, depositing thereon a thin layer or sheet of filler in a hot, sticky, sluggishly fluid condition, removing the heat from the sheet of filler until the latter is substantially set and coherent, at some stage in the process enveloping said filler in dry comminuted cork-like material, and at some stage in the process when the thin layer is at least partially cooled forming it into small pieces or cakes.

1,510,239. GOLF APPARATUS. OLNEY B. MONOSMITH, Lorain, Ohio. Filed Mar. 17, 1923. Serial No. 625,729. 8 Claims. (Cl. 46—4.)



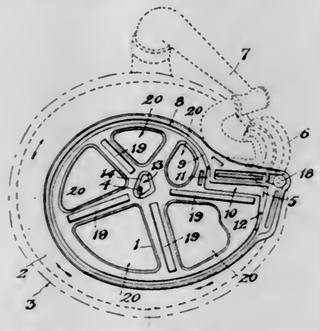
1. In golf apparatus, the combination with means forming a substantially rectangular playing surface; of a tee arranged thereon; a block formed with a target presented to said tee, said target providing a dumping rebound of the ball and the balance of said block providing a vigorous rebound of the ball, said block and said tee being adjacent one end of the playing surface, a cup adjacent the opposite end of the playing surface, and a hazard positioned intermediate said block and cup.

1,510,240. KIT CARRIER. EDWARD D. MYERS, Shelby, Mich. Filed Sept. 19, 1921. Serial No. 501,638. 6 Claims. (Cl. 206—16.)



1. A kit carrier, comprising a casing, a removable flexible covering for the top and sides of said casing, means for removably attaching said covering to said casing with its sides constituting aprons to cover the casing sides, and tool holders on said aprons, said covering operating when in poition to afford ready access to all the tools, and being adapted to be folded for storage within said casing.

1,510,241. REPEATING DEVICE FOR PHONOGRAPHS. ROBERT W. NICHOLLS, Palisades Park, N. J., assignor to Gold Seal Co., Palisades Park, N. J., a Corporation of New Jersey. Filed Feb. 13, 1922. Serial No. 536,014. 4 Claims. (Cl. 274—15.)

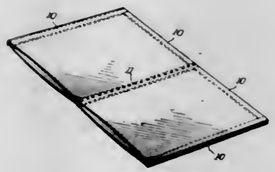


1. A repeating attachment for sound reproducing machines having the usual turn-table with a center pin, a playing stylus and sound record; a disk having therein a triangular opening that is adapted to lie on the record with said opening over the center pin, and an opening, the edge of which engages the stylus to hold the disk stationary during the reproducing operation, a groove in the disk to guide the needle to starting position after said record has been played, a clutch pin extending below the disk and over the edge of the record, which is adapted to be brought into engagement with said edge when the disk is allowed to start in rotation and to be released therefrom when the disk is again arrested by engagement with the stylus.

1,510,242. ALLOY AND APPARATUS MADE THEREFROM. ALADAR PACZ, Cleveland Heights, Ohio. Filed June 1, 1920. Serial No. 385,597. 9 Claims. (Cl. 75—1.)

1. A metallic alloy for the purpose described, consisting essentially of copper at least 87%, silicon between 2% and 5% and at least 1% of aluminum.

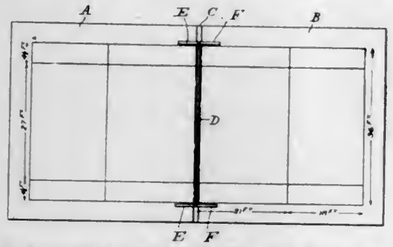
1,510,243. JOINT CONSTRUCTION AND METHOD OF FORMING THE SAME. GROVER PERRY, Chicago, Ill. Filed July 14, 1922. Serial No. 575,066. 9 Claims. (Cl. 154—2.)



3. A method of joining a surface of celluloid to another surface of material along a narrow area which consists in interposing between and securing to said surfaces a narrow strip of celluloid, the strip being secured to the surface of celluloid by the application of a celluloid solvent.

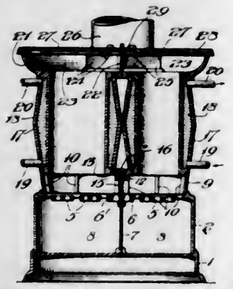
1,510,244. LAWN-TENNIS-INSTRUCTION DEVICE. IDA PLOMER-WALKER, Southsea, England. Filed Jan. 11, 1924. Serial No. 685,496. 3 Claims. (Cl. 46—24.)

3. A lawn tennis instruction device comprising a pair of flat surfaces marked to represent when opened out flat a miniature lawn tennis court and of a suitable finish to receive erasable chalk or the like marks, said surfaces being hinged to fold flatwise together, a transverse member arranged along the hinged junction to represent a lawn tennis net and flexible means connecting said member to each of said flat surfaces to allow the member to lie flat between said surfaces when folded,



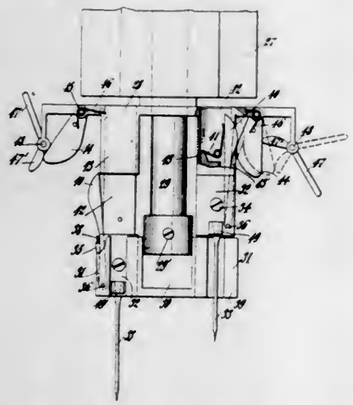
and to automatically erect itself perpendicular to said surfaces when the latter are opened out into the same plane.

1,510,245. COOKING, HEATING, AND COMBINATION HOT-WATER STOVE. SAMUEL V. REEVES, Haddonfield, N. J. Filed Nov. 22, 1922. Serial No. 602,495. 9 Claims. (Cl. 126—5.)



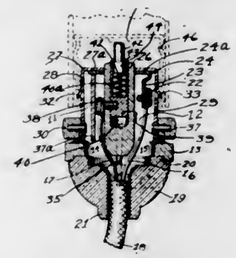
1. A combination stove including a base with an ash pit and a grate, a shallow fire pot ring on the base, fire pots on the ring, a top on the fire pots, means to divide the ash pit, and means to divide the fire pots.

1,510,246. TWO-NEEDLE-SEWING-MACHINE ATTACHMENT. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Substitute for applications Serial No. 62,241, filed Nov. 18, 1915, and Serial No. 323,436, filed Sept. 12, 1919. This application filed May 4, 1920. Serial No. 378,809. 12 Claims. (Cl. 112—221.)



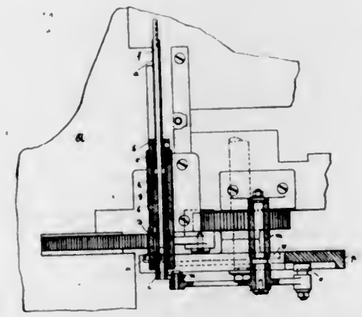
1. In a sewing machine of the class set forth, the combination with a sewing machine head and a single needle bar reciprocating therein, of a needle holder secured to the needle bar and having a pair of socket members with open tops, a bracket secured to the head above the holder having a pair of sleeves in vertical alignment with said sockets, a pair of needle chucks carried by the sockets and means associated with the sleeves to release the chucks from the sockets and hold the chucks and needles out of operation, the operation of the needle bar and holder remaining unaffected.

1,510,247. ELECTRIC-SOCKET PLUG. WILLIAM J. SMITH, Waterbury, Conn. Filed May 15, 1922. Serial No. 561,010. 2 Claims. (Cl. 173—360.)



1. In a socket plug for electrically connecting a pair of conducting wires to the terminals of an electric socket having a central terminal and a screw-threaded shell, a spring-pressed pin adapted to engage said central terminal, a shell-contacting member surrounding said pin, said shell-contacting member having a flat base and a pair of parallel disposed resilient arms at right angles to said flat base, each of said resilient arms having an outwardly projecting lug for detachably engaging the screw threads of the socket shell, a connecting ring in electrical contact with said shell-contacting member, and means for connecting said conducting wires to said pin and said ring respectively.

1,510,248. MACHINE FOR FORMING CIGARETTE MOUTHPIECES. FRANZ HEINRICH BENNO STELZER, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Filed Mar. 31, 1921. Serial No. 457,318. 3 Claims. (Cl. 93—80.)



1. In a machine for forming cigarette mouthpieces, a needle sheath, a retaining needle held by friction in said sheath in both its retaining and releasing positions, a finger secured to said needle, a rocking device for engaging said finger to move said needle to one or the other of its positions, and means for turning the needle and for actuating said rocking device whereby the exact operation of the needle is insured.

1,510,249. WINDSHIELD. ALFRED L. THOMPSON, Woodbourne, Pa. Filed Sept. 28, 1920. Serial No. 413,355. 9 Claims. (Cl. 20—40.5.)

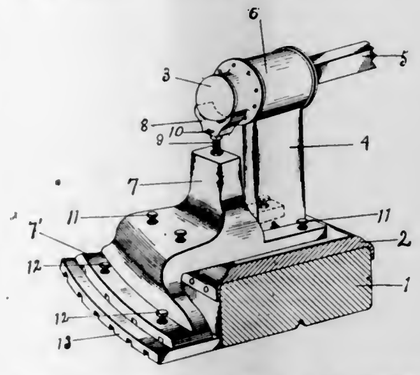


1. An automobile wind shield, combined with a shaft extending through the glass portion of the same, a transparent disc shaped part secured to the shaft in front of the glass of the wind shield, means for supporting and rotating the shaft including a bearing for the shaft independent of and arranged wholly to the rear of the glass of the windshield.

1,510,250. PROCESS OF DYEING OPALESCENT AND FLUORESCENT EFFECTS ON WOOL AND FUR FELT. JACOB K. VON GAL, Danbury, Conn. Filed Nov. 2, 1922. Serial No. 598,669. 5 Claims. (Cl. 8—5.)

1. The process of treating felt which consists in dyeing the felt a given color, then dyeing the surface another color, and then cutting or breaking the surface so that the colors mingle.

1,510,251. AUTOMOBILE TREAD. SAMUEL THOMAS WALKUP, New York, N. Y. Filed Oct. 20, 1921. Serial No. 509,121. 3 Claims. (Cl. 301—44.)

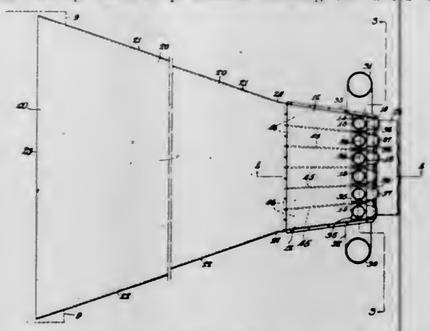


1. The combination with a wheel, of a tread-widening member rigidly and removably fixed to the wheel by frictional engagement with both the hub and rim and having a laterally projecting portion alongside the tread and extending through a large fraction of the tread's annular extent, there being no positive engagement of said member with either hub or rim; whereby the wheel may at will be provided with an unusually extensive traction and bearing surface.

1,510,252. PNEUMATIC FEEDING MECHANISM. EDWIN G. WILHELM, Pittsburgh, Pa., assignor to Henry Wilhelm Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 26, 1921. Serial No. 487,697. 8 Claims. (Cl. 19—73.)

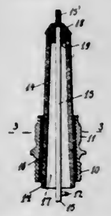
2. A feeding device for a material treating machine comprising a delivery tube having its outlet positioned adjacent to the receiving end of said machine and coextensive in width with the width of the receiving end of said machine, said tube having flaring side walls

making the inlet end of the tube narrower than the outlet end, said tube having a passageway formed in the inlet end thereof for the entrance of loose material, a casing located at the inlet end of said tube, said casing having vertical partitions forming air ducts com-



municating with said tube, said partitions being positioned a greater distance apart at their outlet ends than at their inlet ends adapted to direct air into the inlet end of said tube and force the material divergently throughout the width of the tube, and means for regulating the flow of air through said ducts.

1,510,253. SPARK PLUG. OSCAR A. BOEHM, New York, N. Y. Filed Nov. 24, 1920. Serial No. 426,242. 1 Claim. (Cl. 123—169.)



A spark plug comprising a tubular body adapted for connection with a support and having an outwardly tapering inner surface provided with longitudinal ribs, a tubular carrier closed at its outer end and open at its inner end, said carrier being set within said body and having a tapered outer surface corresponding to the tapered inner surface of said body, and an electrode extending through said carrier and supported thereby.

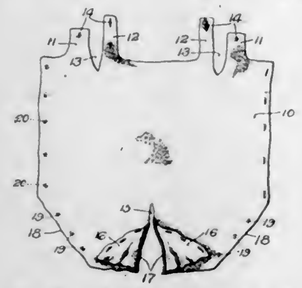
1,510,254. PLIERS. JOHN O. BOYLE, Youngwood, Pa. Filed June 25, 1923. Serial No. 647,700. 2 Claims. (Cl. 294—35.)



1. A pair of pliers including arms movable toward and away from each other, said arms including terminal elements having their inner faces concaved both longitudinally and transversely, said terminal elements being provided in their inner faces with grooves of angular cross-section.

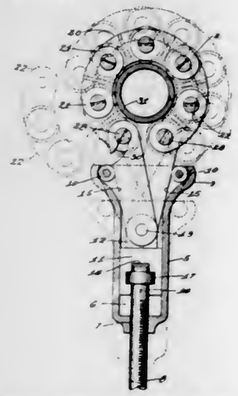
1,510,255. CHANGE-QUICK UNDERWEAR. ROSCOE BRATTON, Lebanon, Ind. Filed Feb. 5, 1923. Serial No. 616,975. 1 Claim. (Cl. 2—78.)

An under garment comprising a polygonal sheet having a central slit extending inwardly from the lower edge thereof to provide leg portions, the outer corners of said lower edge being angularly cut away, and separate triangular portions secured to the edges of said slit to fold about the legs of the wearer and to bring the free edges of said triangular portions into registration re-



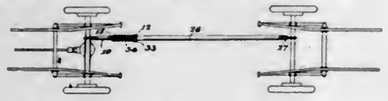
spectively with the cut-away portions at the corners of said sheet along lines at the front and outer sides of the legs of the wearer.

1,510,256. PIPE CUTTER. JAMES CONNING, Chicago, Ill. Filed Jan. 14, 1924. Serial No. 686,015. 1 Claim. (Cl. 81—191.)



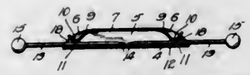
In a pipe cutter, the combination with a body having an elongated cavity flared at one of its ends, of a pair of spaced rollers transversely journaled in the flared end of said body, a block slidably mounted in said body, means connected to said block and extended therefrom through the end of said body opposite its rollers for reciprocating the block, a plurality of clamping links or toggles pivotally connected in pairs on a common pivot at one of their ends to said block, said pairs of links extending divergently between said rollers, the members of one pair of said clamping links each having a substantially diagonally disposed slot in its outer portion, said slots registering with one another, a linked element pivotally connected at one of its ends to the outer portion of the other pair of clamping links and having means at its other end to detachably engage said slot, and a plurality of disk cutters transversely journaled on the linked element in spaced relation to one another.

1,510,257. DEVICE FOR TOWING AUTOMOBILES. JOHN W. CRIBBINS, Derby, Conn. Filed Oct. 24, 1923. Serial No. 670,458. 4 Claims. (Cl. 280—33.9.)



1. In a towing device for connecting two vehicles, a tubular member connected to one vehicle, a plunger member telescoped within said tubular member and connected to the other vehicle, a spiral spring surrounding said tubular member, said plunger member having a longitudinal slot near its end, a key fitted into said slot to engage the spring when the device is under tension and a lug on said tube to engage the spring when the device is under compression.

1,510,258. FASTENER FOR SOFT-COLLAR POINTS. JAN CRNOEV, St. Louis, Mo. Filed Nov. 19, 1923. Serial No. 675,534. 6 Claims. (Cl. 24—87.)

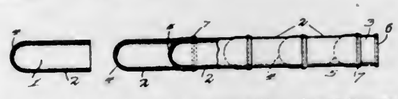


4. In a soft collar point fastener structure, a four walled tubular member, a resilient lip disposed at each end of one of the walls of said member and integral at their inner ends therewith, a curved pin embracing section formed at the outer end of each resilient lip and each of said curved pin embracing sections adapted to frictionally engage a pin held in contact with the wall of the fastener opposite said embracing sections.

1,510,259. MEDICINAL PREPARATION AND PROCESS OF MAKING THE SAME. LLOYD W. CYRENIUS, New York, N. Y. Filed Oct. 30, 1919. Serial No. 334,417. 7 Claims. (Cl. 167—7.)

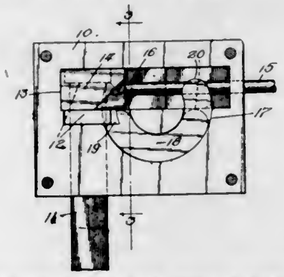
1. The process of making a medicament for the treatment of diseases, consisting in mixing a water soluble mercury compound with a local anæsthetic, and a soft fat, then emulsifying a water soluble compound with a solvent and a hard fat, and then emulsifying the emulsion with the mixture.

1,510,260. CAPSULE. LLOYD W. CYRENIUS, New York, N. Y. Filed June 30, 1921. Serial No. 481,684. 3 Claims. (Cl. 206—47.)



1. A package containing a plurality of gelatinous hollow bodies, each closed at one end and having an enlarged diameter at its open end extending for a portion of the length of the hollow body, said hollow bodies being nested in series with the closed ends of the bodies fitting in the enlarged open ends of adjacent bodies to close the bodies throughout the series, and a closure member for the last body of the series.

1,510,261. PUNCH HEAD. EDWIN G. DANIELS, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 7, 1923. Serial No. 673,342. 9 Claims. (Cl. 164—104.)



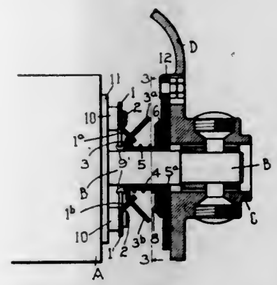
1. A punch-head carrying a punch adapted for vertical movement therein, a gag block adapted to be moved to locking position to lock the punch in its lower position against vertical movement in the punch-head and adapted to be moved to unlocking position to permit vertical movement in the punch-head, and means whereby movement of said gag block to a position beyond its unlocking position operates to raise the punch to its uppermost position in the punch-head and there support the same.

1,510,262. HATCHET PICK. WALLACE CLYDE DAVIS, Lincoln, Nebr., assignor to The L. D. Caulk Company, Milford, Del., a Corporation of Delaware. Filed Jan. 11, 1923. Serial No. 612,057. 2 Claims. (Cl. 32—10.)



1. A hatchet pick for operating in root canals comprising a rectilinear shank having a chopping blade at one end, said shank being of unconstricted cross sectional area from the point of manipulation to said chopping blade.

1,510,263. CENTRIFUGAL STARTING SWITCH. MARK A. DEFIBAUGH and RALPH J. THIEMAN, Battle Creek, Mich., assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a Corporation of Michigan. Filed Nov. 28, 1921. Serial No. 518,248. 17 Claims. (Cl. 200—80.)

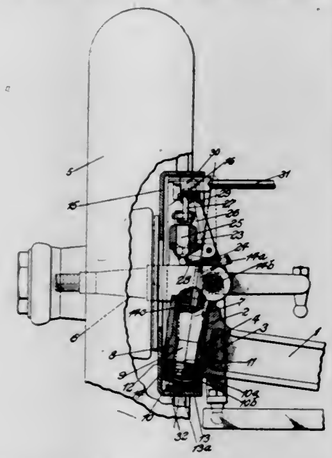


1. In a centrifugal starting switch, an insulated contact carrier, a rotatable member, radially movable weights on said member, and oppositely inclined intersecting arms on the carrier and weights whereby said carrier is moved in an axial direction by and in proportion to the radial movement of the weights.

1,510,264. STEERING-WHEEL BRAKE FOR AUTOMOBILES. GEORGE P. DORRIS, St. Louis, Mo. Filed Mar. 12, 1923. Serial No. 624,382. 17 Claims. (Cl. 188—194.)

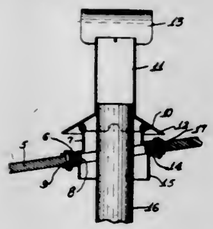
5. In an automobile, a swiveled steering knuckle, a lubricant containing cup for supplying lubricant to the

steering knuckle, a wheel rotative on the steering knuckle, a drum rigid with said wheel, a brake band within said drum engaged by said cup and thereby retained within said drum, other elements cooperating with said cup to retain the band within the drum, springs for contracting



the band, a thrust member slidably supported by the steering knuckle, links connecting said thrust member with said band, and a bell crank lever pivotally supported by the said steering knuckle for operating said thrust member to expand the band.

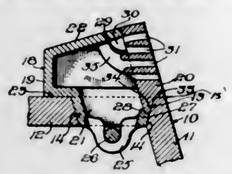
1,510,265. CAR CHIMNEY. ARTHUR J. FILKINS, Riverside, Ill. Filed Feb. 14, 1923. Serial No. 618,905. 3 Claims. (Cl. 126—317.)



1. The combination with a car roof of a metal chimney adapted to be secured to the outside of said roof and having a collar passing downwardly through the roof opening for receiving a stove pipe and maintaining the same in spaced relation with respect to said opening, a protector for the inner surface of said opening including a metal flanged collar having the flange adapted for contacting a collar on the chimney, and means passing through the flanged portion of said second member and said chimney for fastening the same in position, said protector having a collar portion extending downwardly from the roof a short distance and positioned eccentrically with the axis of the chimney.

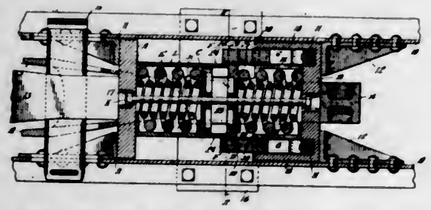
1,510,266. TUYÈRE BLOCK. FRANK E. FLEMING, Detroit, Mich., assignor to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Filed Jan. 10, 1921. Serial No. 436,168. 3 Claims. (Cl. 110—75.)

1. As an article of manufacture, a tuyère-block comprising a body portion having in an integral structure top, rear, and end walls and a base portion providing a front-bar, the front surfaces of said top, rear and end walls lying in a plane, and the top surface of said front-bar extending forwardly beyond said plane at an abrupt angle thereto; and an apertured front plate shaped at its side and top margins of its rear face to lie against the front surfaces of said side and end walls of the body, and



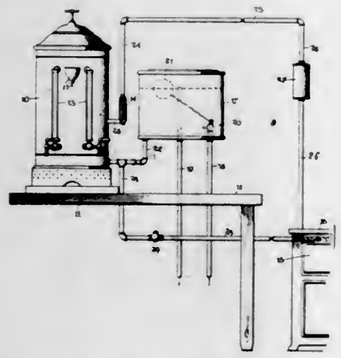
shaped at its bottom edge to rest upon the top surface of said front bar, whereby to cover the open front face of the body and to be placeable and removable from the front.

1,510,267. SHOCK-ABSORBING MECHANISM. WILLIAM A. GEIGER, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 12, 1921. Serial No. 514,436. 8 Claims. (Cl. 213—22.)



1. In a shock absorbing mechanism, the combination with tandem arranged springs, of tandem arranged front main and rear intermediate followers and means for maintaining them at a uniform distance apart, tandem arranged front intermediate and rear main followers and means for maintaining them at a uniform distance apart; and friction devices acting independently of said tandem arranged springs, said devices being interposed between one of the main followers and the correspondingly designated intermediate follower, one of said last named followers being provided with walls having friction faces thereon coacting with said devices.

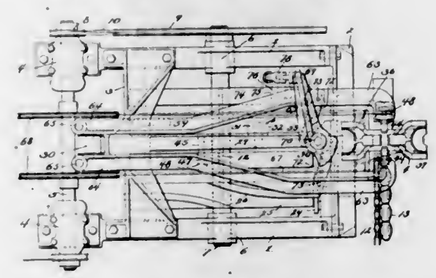
1,510,268. COFFEE-URN-HEATING DEVICE. VICTOR A. GHILSTROM and EUGENE E. LAVALLEUR, Salem, Oreg. Filed Aug. 22, 1923. Serial No. 658,790. 2 Claims. (Cl. 126—366.)



2. In a heating system of the character described, a receptacle having an overflow, a water supply tank, a supply pipe connecting said tank with said receptacle, a float valve in said tank adapted to maintain the water therein at a point below said overflow, a pipe line leading from said supply pipe to a heating element, a one way valve in said pipe line permitting water to flow only from said supply pipe to said element, and a return steam pipe

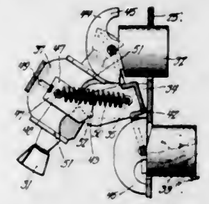
leading from said element to said receptacle, said return pipe having a portion thereof positioned above the water level of said tank and receptacle.

1,510,269. NUT-SHELLING MACHINE. RALPH A. GLEASON, Baltimore, Md. Filed Nov. 8, 1922. Serial No. 599,692. 36 Claims. (Cl. 146—12.)



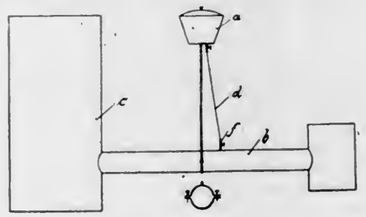
1. A nut shelling machine comprising, in combination, means for cutting grooves around the transverse circumference adjacent to the respective ends of a nut, and means for applying a sustained cracking pressure to the body portion of the shell.

1,510,270. SWITCH MECHANISM. DAVID D. GORDON, Chicago, Ill., assignor to Stackhouse & Allen, Chicago, Ill., a Partnership consisting of John H. Stackhouse and John R. Allen. Filed Apr. 11, 1921. Serial No. 460,283. 11 Claims. (Cl. 200—72.)



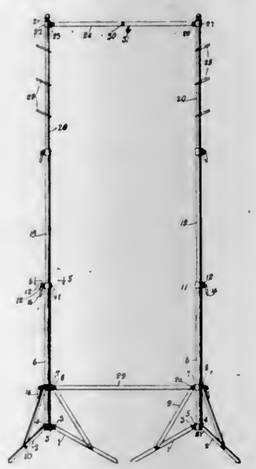
1. A device of the character described comprising a pivoted control member, a pivoted switch operating member, and means interposed between said control member and said switch operating member for controlling the snap action movement of said switch operating member in both directions when said control member is moved, said means including a spring and a shifting element pivotally and shiftably associated with said switch operating member.

1,510,271. BLAST OF CUPOLA FURNACES AND BLAST FURNACES. MATHIAS GOTTSCHALK, Niederau, near Duren, Germany, assignor to the Firm Vulkan-Werk Reinshagen & Co., Niederau, near Duren, Germany. Filed Aug. 3, 1921. Serial No. 489,494. 1 Claim. (Cl. 266—29.)



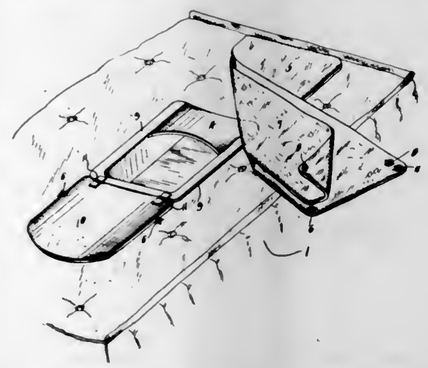
A process of supplying water to cupola and blast furnaces, which consists in supplying water by an air supply into the air current blast and then delivering the water in the form of water directly into the furnace prior to its vaporization.

1,510,272. COLLAPSIBLE CLOTHESRACK. CHARLES B. HARMOUNT, Middletown, Ohio, assignor of one-half to Morris W. Renick, Middletown, Ohio. Filed Oct. 22, 1923. Serial No. 670,015. 6 Claims. (Cl. 45—13.)



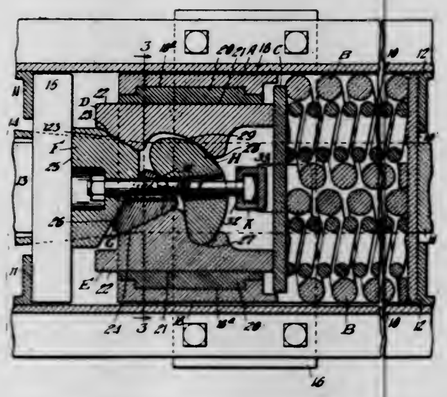
1. In a clothes rack, a main tube, a plurality of legs pivoted thereto, a sliding collar on said tube a plurality of braces pivoted to said legs and to said sliding collar, a split collar mounted on the top of said tube adjacent a split in said tube end, a handle mounted on said split collar and having jaws with cam surfaces on their inner adjacent faces adapted to receive between them ears on said collar for moving said ears toward one another and collapsing the collar and tube, and a second tube telescoping within the first tube, adapted to be locked or unlocked therein according to the position of the handle.

1,510,273. COMBINED BEDPAN AND MATTRESS. AGUSTA M. HARPER, Safford, Ariz. Filed May 8, 1923. Serial No. 637,609. 1 Claim. (Cl. 5—91.)



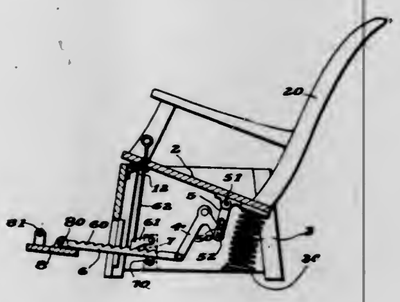
A mattress having an opening formed therein to receive a pan or a block, a flap adapted to extend over and cover the opening and attached at one edge to the mattress and adapted to be detachably attached at points in its length to the mattress, and a sanitary pad detachably connected to the underside of the flap.

1,510,274. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 8, 1922. Serial No. 599,639. 10 Claims. (Cl. 213—34.)



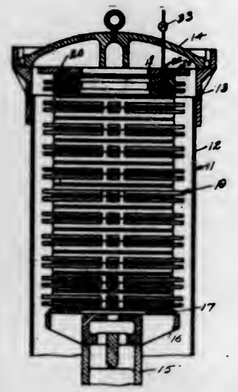
1. In a friction shock absorbing mechanism, the combination with a friction shell having opposed interior friction surfaces; of a spring resistance; opposed friction shoes cooperable with the shell; pressure receiving and transmitting spreading means, said shoes and means having a plurality of sets of faces inclined relatively to the axis of the mechanism, part of which are arranged at a relatively keen wedge-acting angle and others at a relatively blunt releasing angle, and auxiliary spreading means between and having direct engagement with said opposed friction shoes, said auxiliary spreading means having also engagement with and receiving pressure from said first named spreading means, and having its movement inwardly of the shell directly opposed by contact with said shoes.

1,510,275. EASY CHAIR. PERHAM F. HEARSCH, Seattle, Wash. Filed Apr. 2, 1923. Serial No. 629,246. 2 Claims. (Cl. 155—55.)



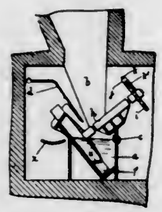
1. A chair having a back and seat swinging about an axis located near the front edge of the seat, springs holding the seat raised, a rod mounted in the base for reciprocation from front to rear, means connecting said rod with the seat to lower it, and a board pivoted upon said rod to normally form a section of the front of the chair base, said board having upon its inner face a raised bar adapted when the board is swung down to be engaged by the feet to thereby pull down the seat.

1,510,276. VULCANIZING APPARATUS. DANIEL EDWARD HENNESSY, Milwaukee, Wis. Filed Aug. 19, 1921, Serial No. 493,592. Renewed Feb. 27, 1924. 17 Claims. (Cl. 18—38.)



1. A mold provided with a system of vents and ducts so arranged that said vents open through interconnected regions on the faces of the mold.

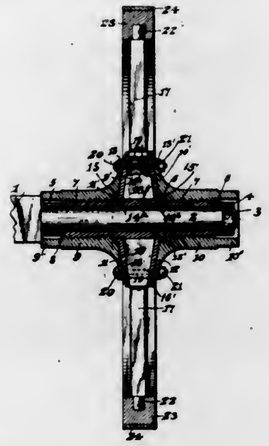
1,510,277. APPARATUS FOR REMOVING ASHES AND CLINKERS FALLING FROM THE GRATES OF BOILERS OR OTHER FURNACES. ALBERT HOSSACK, Johannesburg, Transvaal, South Africa, assignor of one-half to The Victoria Falls and Transvaal Power Company Limited, Johannesburg, Transvaal, South Africa. Filed Jan. 12, 1922. Serial No. 528,731. 2 Claims. (Cl. 110—165.)



2. Apparatus for removing ashes comprising a tank adapted to be partly filled with water and adapted for disposition under an ash hopper, one side of said tank being inclined and extending above the level of the water; a bearing secured to the side of the tank opposite to said inclined side, said bearing being entirely above the level of the water in the tank; a paddle wheel having a shaft journaled in said bearing, said wheel being adjacent to and its plane of rotation being parallel to said inclined side; and means for operating said wheel to remove the ash from the tank over the edge of the inclined side.

1,510,278. HUB CONSTRUCTION. WILLIAM HOVEY, Rollingdam Station, New Brunswick, Canada. Filed Dec. 26, 1923. Serial No. 682,750. 2 Claims. (Cl. 301—85.)

1. In a wheel of the character described, an axle box, spokes having their inner ends abutting said axle box and further being flared laterally at these ends, substantially concavo-convex plate members having a central aperture therethrough and further having an annular flange concentric with said aperture and upon the convex side of said plate, said apertures being traversed by said box, and the concave sides of said plate engaging the flared sides of said spokes, sleeve hub members



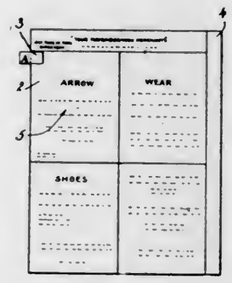
threaded upon said box one on the outside of and engaging each plate, and means for securing the parts together.

1,510,279. BAKE PAN. LLOYD R. HUTH and DAVID E. AHLERS, Carlisle, Pa., assignors of one-third to Emmett R. Woods, Carlisle, Pa. Filed Sept. 11, 1923. Serial No. 662,117. 3 Claims. (Cl. 53—6.)



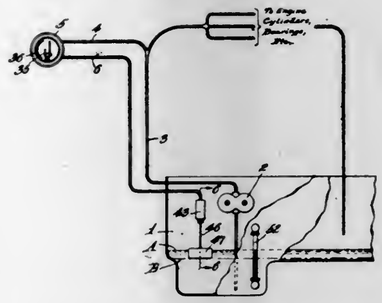
3. A bake pan comprising a receptacle and spaced core units, means carried by the receptacle for retaining run over portions from the interval between the units and the receptacle, and means carried by the core units for producing perforations in said run over portion.

1,510,280. ADVERTISING DEVICE. JOSEPH ALLISON JANNEY, Elizabeth, N. J. Filed June 9, 1922. Serial No. 566,975. 2 Claims. (Cl. 283—36.)



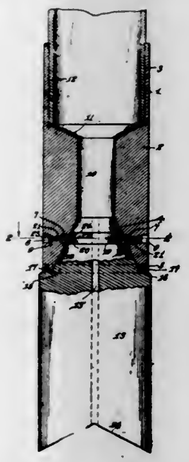
1. A device of the class described for use with alphabetically indexed directories, comprising a plurality of sheets of substantially the size of the leaves of the directory and adapted to be intercalated between these leaves, each sheet having an index tag projecting from the margin thereof, and each sheet having printed thereon a selection of representative names of persons and business establishments of different classes within a restricted area or zone representing a part only of the total area covered by the directory.

1,510,281. INDICATING DEVICE FOR INTERNAL-COMBUSTION ENGINES. STEPHEN JENCICK, Cleveland, Ohio, assignor to Gustavus A. Schanze, Cleveland, Ohio. Filed Aug. 30, 1919. Serial No. 320,958. 16 Claims. (Cl. 184—6.)



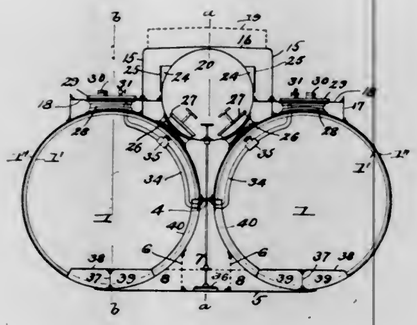
7. The combination with a motor of a motor vehicle, of the usual oil circulating system therefor, a pressure indicator for said system, and means additional to said system and arranged when the oil level therein becomes dangerously low to trap oil at said indicator and cause the same to become inoperative, thereby indicating approaching low oil level.

1,510,282. DRILL. WILLIAM S. JOHNSON, Electra, Tex. Filed Feb. 20, 1923. Serial No. 620,250. 4 Claims. (Cl. 255—64.)



1. A drill comprising a collar having a conoidal-shaped socket at its lower end, a bit element provided with a tang extended into said socket and formed with a peripheral groove having one of the walls thereof outwardly inclined, and transversely extending clamping elements threadingly engaging with said collar and provided with beveled clamping heads binding against said wall for detachably connecting the bit element with the collar.

1,510,283. SUBMARINE OR SUBMERSIBLE BOAT. SIMON LAKE, Milford, Conn. Filed July 7, 1917. Serial No. 179,183. 15 Claims. (Cl. 114—16.)

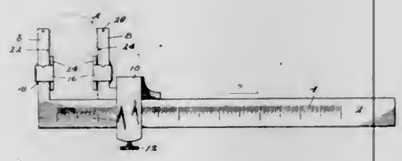


1. In a submarine or submersible boat, a plurality of hull sections having a plurality of oil carrying tanks or compartments, a control compartment arranged above and connected to said hull sections and communicating therewith, and means operable from within said control compartment for governing the contents of said tanks or compartments.

1,510,284. PROCESS FOR MAKING DECOLORIZING CARBON FROM PEAT. JOHN WOOD LEADBEATER, Doncaster, England. Filed May 12, 1919. Serial No. 296,665. 1 Claim. (Cl. 252—3.)

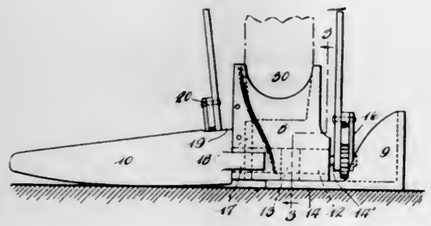
The herein described method of preparing a material for decolorizing sugar solutions, and oil comprising drying finely divided peat, mixing the dried and finely divided peat with finely divided caustic lime, heating said mixture to carbonize the peat therein, treating the residual carbon with an inorganic acid to remove ash and foreign substances therefrom, combining the cleaned carbon with an infusorial earth, and finally heating and drying the mixed materials.

1,510,285. CALIPERS. WILLIAM F. LUSTENBERGER, St. Joseph, Mo. Filed Mar. 19, 1923. Serial No. 626,048. 1 Claim. (Cl. 33—143.)



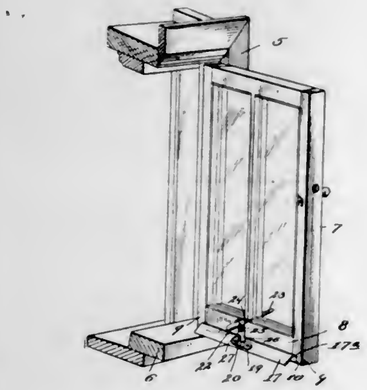
In a tool of the character described an elongated member, a main leg having a measuring surface and fixed to said member, another main leg slidable on said member, supplemental legs having measuring surfaces and adjustable longitudinally on said main legs and shorter than the same, so that said supplemental legs may be slid inwardly towards the elongated member when outside dimensions are to be taken with the main legs or slid outwardly when inside dimensions are to be taken, slides for holding the supplemental legs in slidable position on the main legs, frictional spring-means coacting with said slides in holding the supplemental legs in any of their adjusted positions, and means at the outer ends of the main legs to coact with the slides in preventing removal of the supplemental legs from the main legs.

1,510,286. LAST. JOSEPH MCMONAGLE, Cleveland Heights, Ohio. Filed Sept. 15, 1923. Serial No. 662,895. 5 Claims. (Cl. 12—124.)



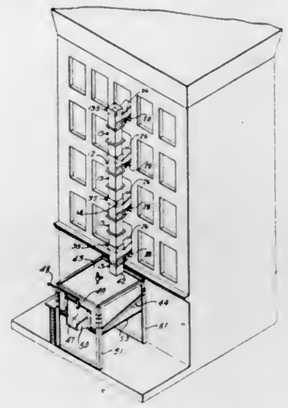
2. An adjustable last, comprising an independent body portion having an undercut way formed longitudinally of its lower face, a screw arranged in the way, a heel portion, an upstanding lug carried by the heel portion and movable longitudinally and guided within said way with rotation of the screw whereby to lengthen the last, an expansible sole portion arranged upon the body portion.

1,510,287. CASEMENT-WINDOW ATTACHMENT. THOMAS E. MACK and ARTHUR E. ALLEN, Los Angeles, Calif. Filed Apr. 12, 1924. Serial No. 706,146. 3 Claims. (Cl. 20—65.)



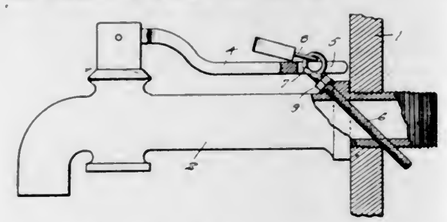
1. A casement window attachment of the class specified, comprising a weather strip plate, a hinge plate to which the weather strip plate is attached at its upper edge, a rigid link connected to the central outer portion of the weather strip plate, a crank shaft having an outer crank pivotally connected to the upper extremity of the link and having an operating means secured to the inner extremity thereof, and a bearing sleeve for the crank shaft, the hinge plate being attachable to the lower edge of a casement window sash and the bearing sleeve and crank shaft adapted to be inserted through the lower portion of the said sash at one side of the vertical center of the latter.

1,510,288. CHUTE OR SLUICEWAY. JOHN CLARK MALONE, New York, N. Y. Filed Mar. 17, 1924. Serial No. 699,887. 7 Claims. (Cl. 193—34.)



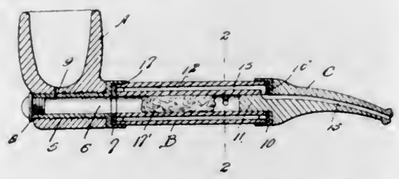
1. The combination with a building having floors and provided with openings to each floor, of a chute comprising a number of units, each unit detachably supported by a floor of the building, means providing telescopic connections between the units.

1,510,289. BUNG AND FAUCET LOCK. HOMER S. MARSH, Tracy, Iowa. Filed Mar. 27, 1924. Serial No. 702,454. 3 Claims. (Cl. 251—6.)



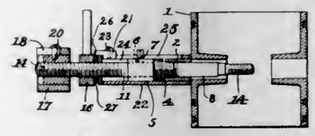
1. Locking means for a liquid dispensing fixture, the same comprising a pivoted handle, a threaded stem adapted to engage the handle, and a lock for securing the handle to the stem.

1,510,290. SMOKING PIPE. NUMA E. MORGAN, Atlanta, Ga. Filed Jan. 11, 1923. Serial No. 611,917. 2 Claims. (Cl. 131—12.)



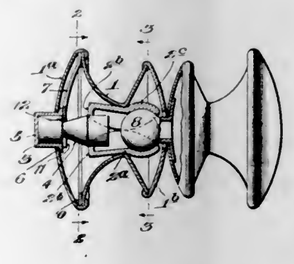
1. A smoking pipe including a stem formed with a central bore extending longitudinally throughout the stem, and a plurality of small bores extending longitudinally thru the stem and arranged in concentric relation with the central bore having communication therewith and with each other to provide a continuous passage through the central bore and to the radial bores and successively therethrough back to the central bore, the points of communication between the central bore and the concentric bores being spaced apart, a mouth piece for engagement with one end of the stem having a plug slidably fitting the central bore and formed with a passage to communicate with one of the passages from the central bore to the small concentric bores, and a bowl adapted for engagement over the other end of the stem having a passage communicating with the central bore of the stem formed to close the ends of the small longitudinal concentrically arranged bores except for inter-communication between said bores.

1,510,291. BUSHING EXTRACTOR AND INSERTER. ALBERT D. ALEXANDER, Fredericksburg, Va. Filed May 29, 1922. Serial No. 564,426. 7 Claims. (Cl. 29—88.2.)



1. A bushing extractor and inserter, comprising a main spindle, a bushing-engaging tube to receive the same, a handle to operate the spindle and tube, and means for locking the handle to the spindle.

1,510,292. BUTTON. EDWARD L. ANDERSON, Attleboro, Mass., assignor to R. & G. Company, Attleboro, Mass. Filed Mar. 20, 1924. Serial No. 700,522. 7 Claims. (Cl. 24—110.)

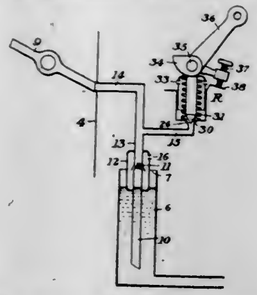


1. In a button, a male member having a head, a female member having a centrally contracted shank and a finishing top, independent jaws having peripheral reduced portions intermediate their ends to receive said contracted part of the shank so as to be pivotally supported thereby, said jaws being formed at one end to grip the head of the male member and having their opposite ends inturned, a slidable pin having a tapered part and a head, the inturned jaw ends receiving the pin and its tapered part therebetween, a cap on the pin extending through said top of the female member and having a flanged base interiorly of said member to limit outward movement of the pin, and an open spring having a rim clamped between the shank and top of the female member and having a pair of spaced arms extending into its center and receiving the tapered part of the pin to normally urge the latter outwardly and thereby positively hold the jaws in latching position.

1,510,293. CARBURETOR. FRANÇOIS BAVEREY, Lyon, France, assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Sept. 24, 1920. Serial No. 412,428. 2 Claims. (Cl. 261—41.)

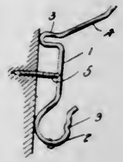
1. In a carburetor, a constant level chamber, a suction pipe having a fuel nozzle therein communicating with said chamber, a throttle valve in said pipe, an atmospheric well open to the atmosphere, a conduit extending from the well and opening into the suction pipe adjacent the throttle and constituting a slow speed feed device, means for feeding an emulsion of the fuel and air from the well to the conduit, regulable means set

in an open position for determining the maximum supply of air to the conduit, and means for temporarily



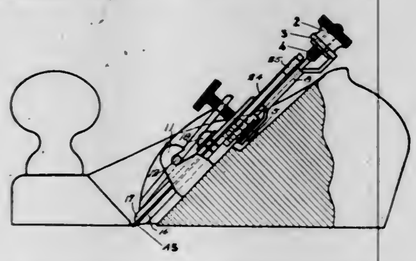
decreasing the supply of air to the conduit without effecting the air supply to the well, substantially as described.

1,510,294. COMBINED KEY GUARD, CLOTHES HOOK, AND TOWEL RACK. NAPOLEON A. BERTRAND, Pittsfield, Mass. Filed Dec. 7, 1922. Serial No. 605,446. 1 Claim. (Cl. 248—27.)



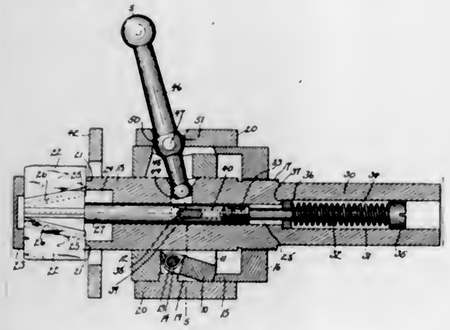
A device of the character specified consisting of a single strand having a substantially straight portion, a loop disposed at substantially a right angle thereto, an upwardly and outwardly inclined portion extending from the loop at the opposite side to the straight portion and a hook at the end of the straight portion opposite to the loop with the axis of which the straight portion is substantially aligned, and said loop and hook touching a plane common to them and substantially parallel to the straight portion.

1,510,295. HAND PLANE. YRJÖ AUGUST BRANDER and GEORG S. GYLLENBERG, Tampere, Finland. Filed Dec. 29, 1923. Serial No. 683,421. 5 Claims. (Cl. 145—11.)



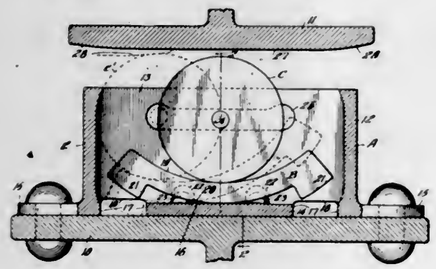
1. In a hand plane, the combination of connected upper and lower blade-supporting elements; a movable blade-holding device interposed therebetween; a blade in said device; a lever pivoted to one of said plates for lateral swinging movement; a rotatable nut loosely connected to said lever; and an operating bar for the holding device connected both to the same and to said lever and said nut, to selectively move sidewise with the lever during the swinging movement thereof or endwise relatively to said lever when the nut is rotated, said bar carrying the holding device with it during both such movements.

1,510,296. COLLAPSING TAP. ALBERT F. BREITENSTEIN, New Haven, Conn., assignor to The Geometric Tool Co., New Haven, Conn., a Corporation. Filed May 8, 1923. Serial No. 637,493. 4 Claims. (Cl. 10—145.)



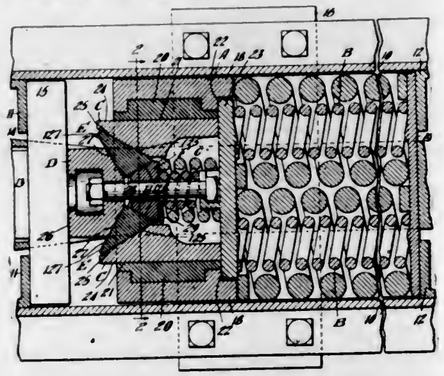
3. In a collapsing tap, the combination with the body, chasers, plunger and collapsing-spring thereof, of a pawl-carrying ring having sliding movement upon the said body and coupled with the plunger for movement therewith, an operating-sleeve having sliding movement upon the pawl-carrying ring, an adjustable pawl-abutment ring mounted upon the body, a pawl mounted in the pawl-carrying ring to swing in a plane parallel with the longitudinal axis of the tap and co-acting with the said pawl-abutment ring for holding the said chasers in their cutting-positions, an adjustable tripping-plate carried by the operating-sleeve and interposed between the same and the forward ends of the chasers, and a hand-operated lever mounted in the operating-sleeve and engaging with the said body for sliding the said sleeve and the pawl-carrying ring with respect thereto.

1,510,297. ANTIFRICTION BEARING. ARILD M. BRENNE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 10, 1921. Serial No. 521,311. 2 Claims. (Cl. 64—64.)



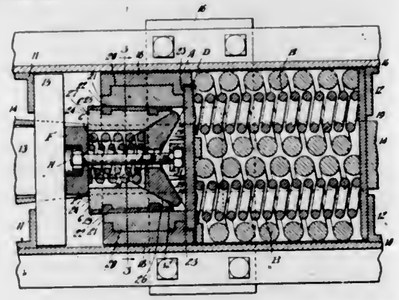
1. In a side bearing for railway cars adapted to be interposed between a body bolster and a truck bolster, the combination with a hollow base casting adapted to be secured to the truck bolster and provided on the interior thereof with a horizontally extending bearing surface; of a rocker bearing plate mounted on said bearing surface of the base casting, said rocker bearing plate having upper and lower arcuate bearing surfaces; means limiting the tilting movements of said rocker bearing plate to prevent the end portions thereof assuming a position on a level with the central portion of the bearing plate when the latter is in normal position; and an anti-friction roller adapted to roll back and forth on the upper bearing surface of said plate and to be elevated thereon when the roller is moved to extreme position, the body bolster being provided with a bearing surface cooperable with said roller, said body bolster bearing surface being upwardly inclined at its ends to compensate for the elevation of the roller when the latter is moved to extreme positions in the base casting.

1,510,298. FRICTION SHOCK-ABSORBING MECHANISM. ARILD M. BRENNE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 2, 1922. Serial No. 598,520. 7 Claims. (Cl. 213—34.)



1. In a friction shock absorbing mechanism, the combination with a friction member having longitudinally extending friction surfaces; of friction shoes cooperable with said surfaces and having wedge faces extending at a keen angle with respect to the line of applied forces; a main spring resistance for said shoes; a pressure-receiving and transmitting block having faces inclined at a blunt releasing angle with respect to the line of applied forces; wedges interposed between said releasing angle faces of the block and the keen angle wedge faces of the shoes and cooperable therewith, said wedges having other wedge faces extending at a keen angle with respect to the line of applied forces; wedging means cooperable with the last named faces of said wedges; and secondary spring means cooperable with said wedging means to maintain the latter in contact with said wedges.

1,510,299. FRICTION SHOCK-ABSORBING MECHANISM. ARILD M. BRENNE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 22, 1922. Serial No. 608,402. 7 Claims. (Cl. 213—32.)



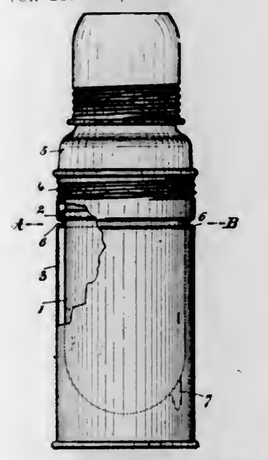
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior opposed friction surfaces; of a main spring resistance; pressure-receiving and transmitting friction shoes cooperable with the friction surfaces of the shell, said shoes, at their inner ends, having wedge faces diverging inwardly of the shell and extending at a keen wedging angle with respect to the axis thereof; a spring follower; wedge elements interposed between said follower and the wedge faces of said shoes and cooperable with both; and spring means co-acting with said wedge elements normally tending to force the latter outwardly of the shoes.

1,510,300. SWIVEL CASTER. OTTO BRINTZENHOFE, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a Corporation of New York. Filed Oct. 11, 1923. Serial No. 667,851. 4 Claims. (Cl. 16—18.)



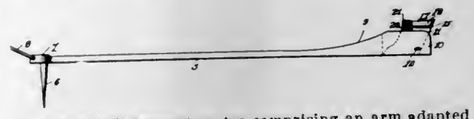
1. In a caster, the combination of a wheel, a supporting fork therefor, a spindle, a bearing sleeve for the spindle, and a bracket for the sleeve comprising a pair of members which are spaced apart at one end to embrace the sleeve and are in interlocked relation at the other.

1,510,301. VACUUM-INSULATED BOTTLE. HEINRICH LOUIS OTTO BRÜCKNER, Grenzhammer, near Ilmenau, Germany. Filed Nov. 24, 1923. Serial No. 676,735. 3 Claims. (Cl. 215—13.)



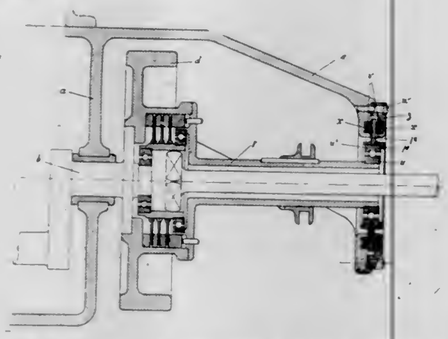
1. A vacuum-insulated bottle comprising in combination, a glass bottle, and an envelope, said bottle and envelope being provided with cooperating oppositely presented laterally projecting parts engaging in superposed relation in all positions of the bottle in said envelope as assembled and maintaining said bottle in suspended relation to, and spaced from the upper face of the bottom of, said envelope.

1,510,302. GOLF TEE. WILLIAM A. BUDROW, Pittsfield, Mass. Filed Jan. 3, 1923. Serial No. 610,466. 8 Claims. (Cl. 46—4.)



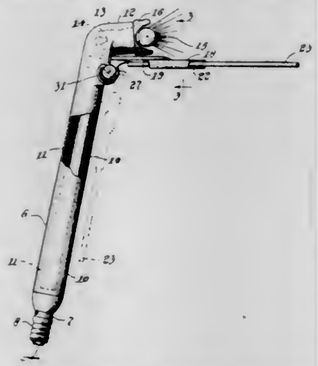
1. A golf ball support or tee comprising an arm adapted to lie upon the ground and having an offset depending earth-engaging spur at one end, and a golf ball supporting head pivoted to its other end.

1,510,303. RESILIENT-SHAFT-BEARING-RETAINING DEVICE. ETTORE BUGATTI, Molsheim, France. Filed Oct. 27, 1920. Serial No. 419,945. 1 Claim. (Cl. 64—54.)



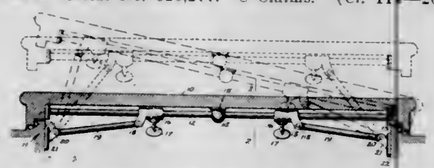
1. A shaft bearing comprising a bearing member having a radially directed flange, an annular stationary member, a compression ring for said member, a ring of resilient material on each side of said flange one of said rings arranged in said stationary member and the other arranged in said compression ring.

1,510,304. ILLUMINATED TONGUE DEPRESSOR. WILL J. CAMERON, Chicago, Ill. Filed Oct. 27, 1922. Serial No. 597,401. 4 Claims. (Cl. 128—16.)



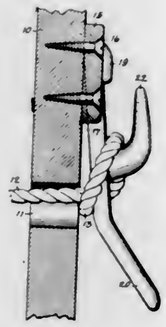
1. An illuminated tongue depressor comprising a handle, a spatula receiving member hingedly connected adjacent one end thereto, a lateral member beyond the point of connection of said member to said handle and against which the spatula-receiving member impinges when in operation, an electric light socket in said lateral member, an electric plug connection at the opposite end of said handle, and conductors leading from said socket to said plug and embedded in the walls of the handle.

1,510,305. HATCH-COVER FITTING. WILLIAM WALLACE CAMPBELL, Yokohama, Japan. Filed Mar. 6, 1923. Serial No. 623,277. 8 Claims. (Cl. 114—20.)



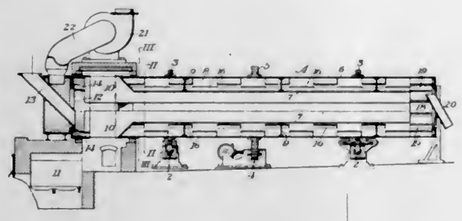
1. A hatch cover fitting comprising an elongated element, a pair of elements slidable on the said elongated element, means to secure said first mentioned element at the ends thereof to a hatch cover and means to separately and pivotally secure the slidable elements to the fixed structure of a hatch at opposite sides thereof

1,510,306. CLEAT. WILLIAM WALLACE CAMPBELL, Yokohama, Japan. Filed Mar. 6, 1923. Serial No. 623,278. 2 Claims. (Cl. 24—133.)



1. As a new article of manufacture, a cleat of the class described comprising a base to secure the cleat in position, a clamping element pivotally mounted on said base and adapted to receive a rope therebeneath, the free terminal end of said element being in the form of a horn deflected from the general plane of the cleat, said element having a transverse hole therethrough adjacent to the base of said horn, and a second horn on said element between said hole and the pivoted end of the element and disposed in the opposite direction from said terminal horn.

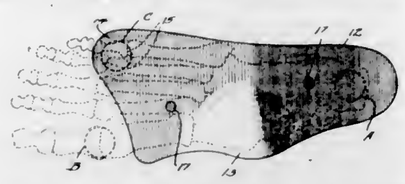
1,510,307. DRIER. LINDSAY R. CHRISTIE, Pittsburgh, Pa., assignor of one-half to Duff Patents Company, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 3, 1923. Serial No. 649,207. 7 Claims. (Cl. 34—6.)



2. In a drier, a rotatable drum comprising an outer shell and an inner shell providing a space between the same for receiving material to be dried, said inner shell forming a flue for heated gases and communicating at its rear end with said space, said flue being shaped in cross section to provide a plurality of radial arms having the angles therebetween each at least as great as a right angle, substantially as described.

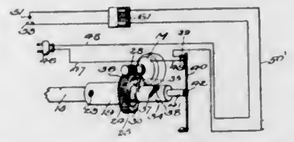
1,510,308. ARCH SUPPORT. ANSALEM ORVILLE COBBS and LEO VEARL COBBS, Spencer, Iowa. Filed Apr. 12, 1923. Serial No. 631,585. 2 Claims. (Cl. 36—71.)

1. An arch support comprising an insole portion having one part projected forwardly and adapted to extend under the fourth and fifth metatarsal joints of the foot for elevating the same, the first, second and third metatarsal joints of the foot being free of said arch support, a spring plate secured to the underside of



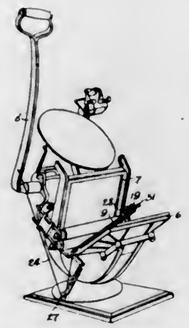
the insole portion for raising the arch of the foot and a cover for said spring plate as and for the purposes stated.

1,510,309. SPRING-WINDING ATTACHMENT FOR TALKING MACHINES. ARTHUR H. COLLIER and ALBERT R. WINKLER, Bayonne, N. J. Filed Dec. 2, 1922. Serial No. 601,585. 3 Claims. (Cl. 185—40.)



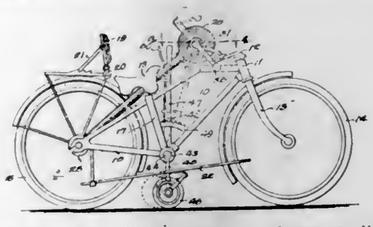
1. An attachment for phonographs comprising an electric motor operatively coupled with the spring motor for winding the same when the electric motor is in operation, a normally opened circuit including said electric motor and a source of electrical energy, a circuit closing element in said circuit at one point, operable upon shifting of the turntable brake to braking position for closing said circuit to actuate the electric motor, and means located at another point in said circuit for automatically opening the circuit to cut off the electric motor when the spring motor is wound to a predetermined tension, said means being operable when the turntable brake is released and the circuit is open at the first point, to reestablish the circuit at the latter point, by the reduction in the tension of the spring due to a partial unwinding of the same.

1,510,310. GRIPPING MECHANISM FOR PRINTING PRESSES. HARRY C. COWDREY, New York, N. Y. Filed Feb. 21, 1923. Serial No. 620,525. 5 Claims. (Cl. 101—287.)



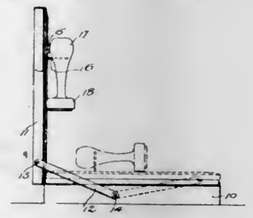
1. In a gripping mechanism for printing presses, the combination with a platent and an operating handle for the press; of gripping members associated with said platen, means for operating said gripping members to engage the same with a sheet on said platen, and flexible means connected to said operating handle and said gripping members and actuated by said handle to move said gripping members to withdraw said sheet from the platen.

1,510,311. INVALID'S VEHICLE. PAUL M. CRU, New York, N. Y. Filed June 18, 1923. Serial No. 646,236. 2 Claims. (Cl. 208—49.)



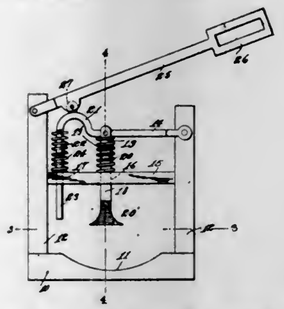
1. An invalid's vehicle including a frame, a dirigible front supporting wheel and rear supporting and driving wheel, a crank journaled in the frame and connected with the rear wheel for driving the same, a stationary crank handle and an axially movable crank handle on the crank shaft for turning the crank shaft, and a connection between the axially movable crank handle and the dirigible front wheel for effecting movements thereof to steer the vehicle.

1,510,312. INKING PAD AND STAMP RACK. EDWARD FRANCIS CUNNINGHAM, Brooklyn, N. Y. Filed Apr. 3, 1923. Serial No. 629,692. 5 Claims. (Cl. 101—333.)



1. A receptacle including a body and a cover, a rack for receiving articles provided on the outer and upper side of the cover, and a connection between said body and the cover for holding the latter vertically when in uncovered relation whereby the outer side having the rack thereon will face inwardly toward the body.

1,510,313. OYSTER-PUNCHING DEVICE. LEARY DICKERSON, Nesting, Va. Filed Dec. 28, 1923. Serial No. 683,205. 10 Claims. (Cl. 17—9.)



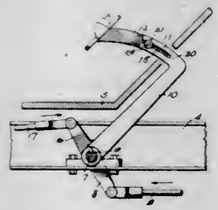
4. An oyster punching machine including a base, an arm movably carried by the base, a knife pivotally carried by the arm, and means having slidable connection with the arm for operating the same.

1,510,314. PLOW STANDARD. PETER L. FRY, Luling, Tex. Filed Aug. 12, 1921. Serial No. 491,736. 1 Claim. (Cl. 97—110.)

A plow comprising a longitudinally curved beam, clips pivoted to the opposite surfaces of the beam and at the

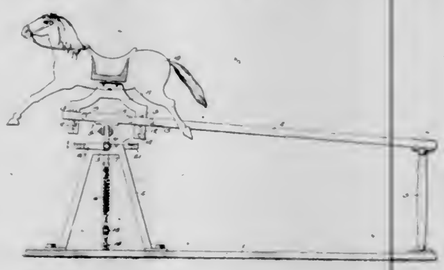
curved portion thereof, said clip having parallel lower portions which are disposed beyond the side surfaces of the beam, a link pivoted between the lower parallel portions of the clips and having an end portion which bears against the adjacent edge of the beam, a standard pivoted to the lower edge of the link, means for clamping the upper portion of the standard to the beam, and handles mounted upon the clips, the parts being so arranged that the link serves as a brace between the lower portion of the standard and the intermediate portion of the beam, whereby the handles are relieved of vibration transmitted from the standard to the beam.

1,510,315. CONTROL FOR FOUR-WHEEL-BRAKE MECHANISM. HARRY A. FULLER, Brooklyn, N. Y. Filed Jan. 2, 1924. Serial No. 683,991. 3 Claims. (Cl. 74—81.)



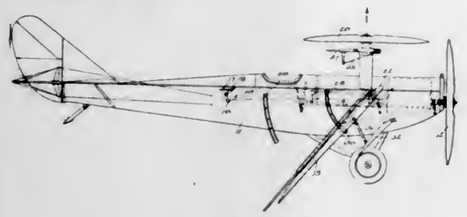
1. In a control mechanism for four wheel brakes, the combination with pull rods for each set of brakes; of a rocking shaft to which one of said pull rods is connected, an operating member secured to said shaft, a second operating member connected to the other pull rod and having a rotary movement with respect to said shaft and adjustable with respect to the first-named operating member, and means for securing said operating members together in various adjusted positions with respect to each other so that an operation of one of said members will be imparted to the other to actuate the set of brakes.

1,510,316. HOBBYHORSE. OLIVER HOWARD GENTRY, Rochester, N. Y. Filed Dec. 19, 1923. Serial No. 681,575. 3 Claims. (Cl. 46—22.)



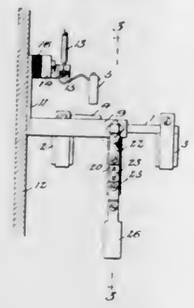
3. A hobby horse, comprising a base, a bar located above the base, a link connecting one end of the bar to the base, a seat carrying device mounted on the bar adjacent its free end, and pedal-operated means below the free end of the bar adapted to impart a movement to the bar to cause the free end thereof to move in a curved path.

1,510,317. AEROPLANE. MATTHEW GOLD, Bayonne, N. J. Filed Nov. 10, 1922. Serial No. 600,133. 5 Claims. (Cl. 244—15.)



1. In an aeroplane of the character described, a fuselage, lifting means for moving the fuselage vertically, propelling means for moving the fuselage horizontally, a pair of wings pivoted adjacent their front edges to the fuselage and adapted to have their rear edges pointing downwardly as the aeroplane is being moved vertically, and means for automatically locking said wings in a substantially horizontal position by atmospheric pressure after the fuselage has been moved horizontally a given distance.

1,510,318. BALANCE SWITCH FOR TRACTORS. ELLIOTT G. GREEN, Wolcott, N. Y. Filed May 23, 1922. Serial No. 563,049. 1 Claim. (Cl. 200—52.)

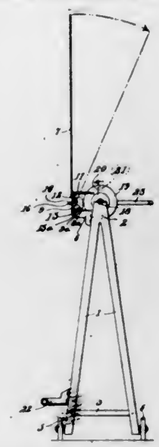


A balance switch for vehicles, which comprises bracket arms fastened to the dashboard of the vehicle, a lever pivoted on said arms, weights on the ends of said lever, a second arm dependent from the pivoted lever having a slot therein, a second lever pivoted on said arms, a pin on the end of said second lever extending into said slot, said second lever having a slot in its other end, a pendulum lever pivoted on the arms, a pin on the end of said pendulum lever extending into the slot in the second lever, a switch element on the first lever, and a second switch element associated but normally out of contact therewith, the movement of the pendulum lever in accordance with the variation in inclination of the switch support causing the engagement of the switch elements.

1,510,319. CARPET-BEATING MACHINE. JOSEPH HAD, Duquesne, Pa. Filed Aug. 14, 1922. Serial No. 581,707. 3 Claims. (Cl. 15—89.)

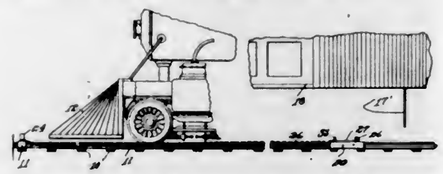
1. In a carpet beating machine, a machine frame, a longitudinal shaft journaled at the upper end thereof, beater arms hingedly supported on said frame, cooperating means carried by the beater arm hinges and said shaft to effect swinging movement of the beater arms, the hinge mounting for the beater arms including hinge sections, a

coil spring associated therewith for normally moving the hinge sections in one direction, and cooperating means



carried by said hinge sections for normally limiting spring pressed movement thereof to hold the same in alinement.

1,510,320. AUTOMATIC TRAIN STOP. ABRAHAM HAMILTON, Calgary, Alberta, Canada. Filed Aug. 28, 1923. Serial No. 659,816. 5 Claims. (Cl. 246—192.)



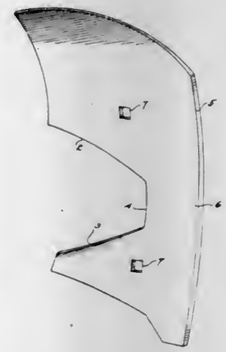
4. A train stopping mechanism comprising a track device including a base arranged to be temporarily secured to a railway tie, means carried by the base and normally urged into vertical position to engage a train carried valve operating means, the last-named means being movable into horizontal position, means engaged with the base and the first-named means for holding said means in such position, and a pilot operable means connected with the holding means for withdrawing the latter to release the first means.

1,510,321. FOLDING SCYTHE. HERMAN INMON, Hurley, Mo. Filed Feb. 8, 1922. Serial No. 534,915. 4 Claims. (Cl. 56—326.4.)



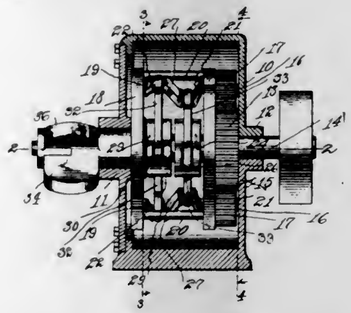
1. A scythe having a snathe, a blade pivotally mounted upon the snathe for swinging movement in the plane of its width and provided at its pivotal end with a disk head having a plurality of shoulders and adjacent bearing faces, a yielding locking bar carried by the snathe for selective engagement with said shoulders to lock the blade in different adjusted positions with relation to the snathe, and a yieldingly held longitudinally movable guide bolt extending through the snathe and through said locking bar adjacent its free end to permit yielding lateral movement of said locking bar for disengagement from said shoulders.

1,510,322. PLOW. JOHN R. JOHSON, Atlanta, Ga. Filed Nov. 5, 1923. Serial No. 672,913. 1 Claim. (Cl. 27—204.)



A plow-blade having one of its edges recessed to form a trapezoid and forming a pair of soil-turning wings or moldboards disposed one above the other and both curved laterally and forwardly with parallel straight slanting bottom edges, one of said wings being designed to turn the subsoil beneath the ground surface, and the other to turn the surface soil onto the subsoil.

1,510,323. MECHANICAL MOVEMENT. CHARLES L. JOHANNESSOHN, Dinsmore, Saskatchewan, Canada, assignor to Johann Motors Limited, Dinsmore, Saskatchewan. Filed Feb. 13, 1923. Serial No. 618,880. 10 Claims. (Cl. 74—34.)

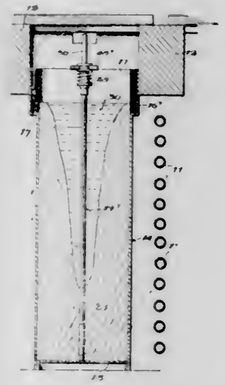


1. A mechanical movement including rotatable elements, and means for causing the stopping of one of the elements while another element approaches to within a predetermined distance therefrom and then continuing in the same direction the movement of the stopped element at a gradually increasing speed, and continuing the movement of the said other element at a reduced speed.

1,510,324. ICE-MAKING APPARATUS. RUDOLPH GEO. KAPING, Chicago, Ill. Filed Nov. 23, 1921. Serial No. 517,402. 11 Claims. (Cl. 62—159.)

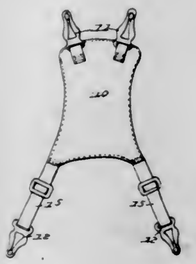
1. In an ice making apparatus, a liquid freezing container having its upper and interior end portion provided with insulation lining.

5. In an ice making apparatus of the character described, a container or mold for freezing liquid, a tube depending therein and having a seam adapted to open upon slight pressure upon the exterior of said tube, said seam extending longitudinally of the tube and said tube being adapted to be arranged in the mold so that



the same may be connected to a source of air pressure and employed for introducing air into said mold when said mold is filled with water and said seam adapted to automatically and progressively maintain the introduction of air in close proximity to the surrounding ice in said mold as the same progresses upwardly.

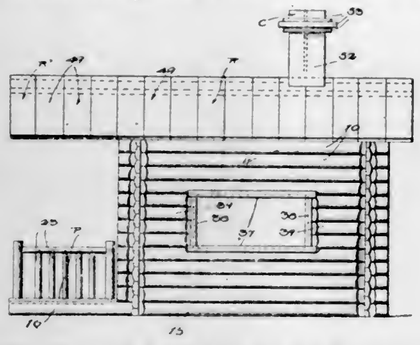
1,510,325. GARMENT SUPPORTER AND PROTECTOR. WILLIAM C. LANDON, Akron, Ohio. Filed Apr. 7, 1922. Serial No. 550,480. 1 Claim. (Cl. 241—1.)



A combined knee protector and garment support comprising a pad adapted to be applied over the knee cap and being broader transversely at its lower portion than at its upper portion, clasps applied to the upper portion of the pad at points spaced from the side edges thereof and adapted to be connected with a garment of the wearer, webbings attached at one end to the lower corners of the pad and diverging from each other downwardly from the pad and clasps carried by the webbings and adapted to be connected with the hose of the wearer at the opposite sides of the leg.

1,510,326. KNOCKDOWN PLAYHOUSE STRUCTURE. JAMES ALBERT LOCKE, Kalispell, Mont. Filed May 8, 1922. Serial No. 559,258. 3 Claims. (Cl. 20—2.)

1. A knock-down playhouse structure of the character described comprising miniature logs for forming the walls thereof, said logs being notched to mechanically tie the same together and the lowermost logs of the side walls being extended at one end thereof, a one piece floor adapted to rest upon the extended portions of the side logs and form a porch, a door in the wall



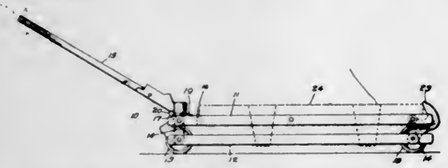
adjacent the porch, a separable roof for the structure, said roof extending over the porch, and a one piece chimney adapted to be positioned upon said roof.

1,510,327. DATING-STAMP LOCK. AUGUSTUS MILLER, East Orange, N. J. Filed Aug. 10, 1923. Serial No. 656,650. 4 Claims. (Cl. 101—111.)



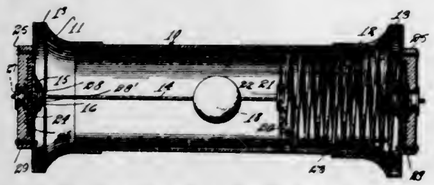
1. The combination with a dating stamp, of locking means therefor comprising a dog adapted to interlock the belts of the dating stamp, and a pair of pinching members for locking the dog against accidental movement.

1,510,328. TRUCK. FREDERICK W. MUSSINA and NICHOLAS J. MCMAHON, Baltimore, Md., assignors to General Electric Company, a Corporation of New York. Filed Aug. 12, 1921. Serial No. 491,813. 6 Claims. (Cl. 254—10.)



1. A truck comprising a vertically movable frame for lifting and supporting the load, and locking means for the load movably associated with said frame and moved to lock the load by movement of the frame to lift the load.

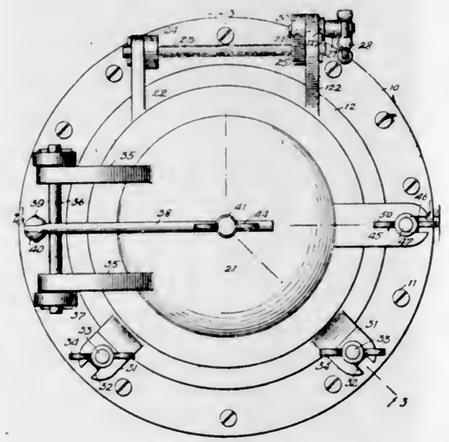
1,510,329. LINE CHALKER. STANLEY F. NASH, Kingston, Pa. Filed Mar. 27, 1923. Serial No. 628,154. 5 Claims. (Cl. 33—87.)



1. A line chalking device including a container for powdered chalk having its ends formed to receive a line

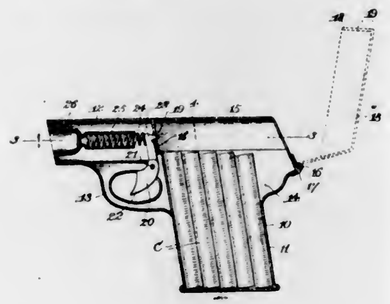
therethrough, and means disposed wholly in the chalk in the container and carried by and movable with the line, and through which the line is arranged to slide, for packing and forcing chalk into the fibres of the line as the line is drawn therethrough.

1,510,330. PORT LIGHT. DANIEL NECHRONI, Brooklyn, N. Y. Filed Dec. 9, 1922. Serial No. 605,866. 2 Claims. (Cl. 114—178.)



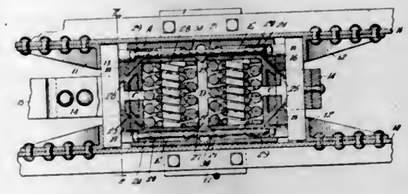
1. A port light and frame therefor each having hinge lugs, a hinge pin passing through the respective lugs, one of the lugs on the port light having an arcuate slot, and a clamp spindle passing through said slot and engaging the first-mentioned lug, said spindle adapted to exert a clamping action on the lugs to hold the port light against turning on the hinge pin.

1,510,331. CIGARETTE CASE. KALLMAN NEWMARK, New York, N. Y. Filed Mar. 25, 1924. Serial No. 701,825. 2 Claims. (Cl. 206—41.)



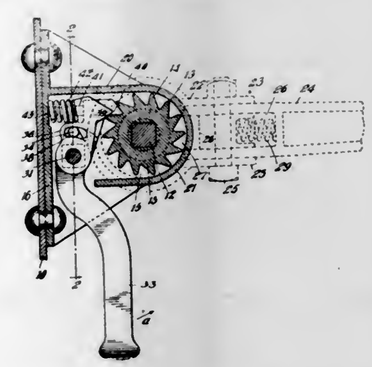
1. A novelty cigarette case comprising a body in the form of an automatic pistol, the grip or stock of which constitutes a compartment for receiving the cigarettes, said grip or stock having a normally closed hinged portion adapted to be opened for gaining access to the interior to introduce or remove the cigarettes, means for normally swinging said hinged portion to an open position, and means simulating a trigger for retaining said hinged portion in its closed position against the action of the opening means.

1,510,332. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 6, 1920. Serial No. 379,325. 4 Claims. (Cl. 213—31.)



1. In a friction shock absorbing mechanism, the combination with a hollow integral friction shell unit having interior opposed parallel friction surfaces at each end thereof and interior fixed wedge sections at the center; of a pair of independent friction wedges at each end of the shell and co-operable with the corresponding interior friction surfaces of the shell; a pair of laterally movable friction shoes in each end of the shell and co-operable with the respective ends pair of friction wedges and the central fixed wedges of the shell; and spring means between the shoes to yieldingly resist relative approach thereof.

1,510,333. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 12, 1920. Serial No. 395,460. 4 Claims. (Cl. 74—118.)

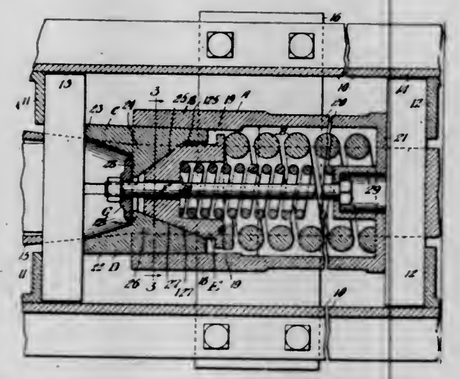


1. In a hand brake mechanism for railway cars, the combination with a supporting bracket; of a rotatable chain-tightening element and means for effecting step by stem rotation thereof; a ratchet wheel; a pair of independently operable locking dogs pivotally supported on said bracket and spring-influenced to operative position with respect to said ratchet wheel, the operative portions of said locking dogs being circumferentially offset with respect to the ratchet wheel; and a release lever pivotally mounted on said bracket at the same point of pivotal mounting of said locking dogs, said release lever having means engageable with both of said dogs to move the latter simultaneously to an inoperative position.

1,510,334. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 31, 1922. Serial No. 585,447. 5 Claims. (Cl. 213—32.)

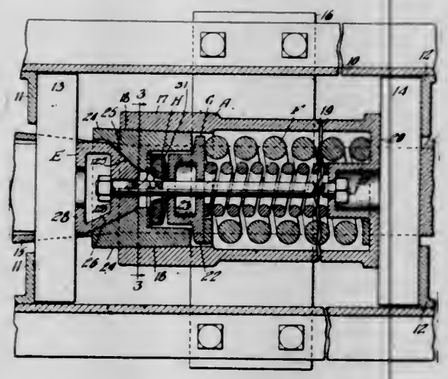
2. In a friction shock absorbing mechanism, the combination with a friction shell; of a spring resistance; pressure-transmitting wedge-friction-shoes cooperable with

the shell; and a wedge between said shoes and spring resistance, said wedge and shoes having cooperating



sets of outwardly converged faces, some of said faces extending at a keen angle and others at a blunt angle to the axis of the mechanism.

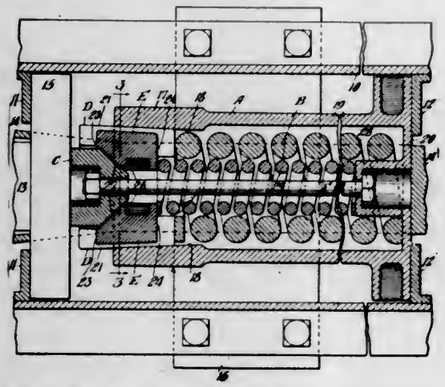
1,510,335. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 16, 1922. Serial No. 588,573. 6 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces arranged circularly; of a series of friction shoes within and cooperable with said shell and arranged in a circular series; a spring resistance; spreader means cooperable with said shoes, said shoes and spreader means having a plurality of cooperating sets of faces, part of which are arranged at a relatively keen wedge-acting angle and others at a relatively blunt releasing angle; and automatically operable pressure-equalizing means interposed between said spring resistance and all of said shoes.

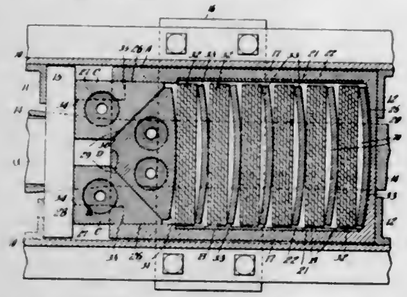
1,510,336. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 11, 1922. Serial No. 600,229. 5 Claims. (Cl. 213—34.)

1. In a friction shock absorbing mechanism, the combination with a friction shell having friction surfaces on the interior thereof; of a spring resistance; friction shoes cooperable with the shell and having radially outwardly converged, longitudinally extending wedge faces; a pressure-transmitting wedge block; secondary wedges cooperable with said wedge block and provided also with radially outwardly converging wedge faces cooper-



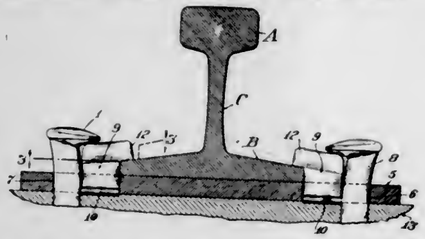
able with said wedge faces of the shoes; and means for preventing relative movement of said secondary wedges and shoes longitudinally of the mechanism.

1,510,337. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,563. 9 Claims. (Cl. 213—30.)



1. In a friction shock absorbing mechanism; the combination with pressure creating means; of a spring resistance co-acting therewith, said spring resistance comprising a plurality of spaced apart groups of flat spring plates and resilient spacing means between each of said groups, each spacing means being relatively thicker than the spring plates.

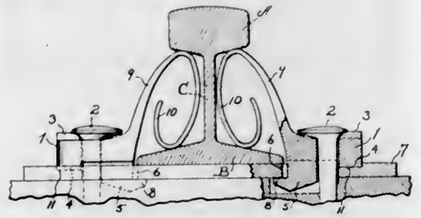
1,510,338. RAILWAY-TIE PLATE. WARREN M. OSBORN, Chicago, Ill., assignor to Chicago Malleable Castings Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1921, Serial No. 449,607. Renewed Mar. 10, 1924. 4 Claims. (Cl. 238—304.)



1. A tie plate for rails comprising a body having elongated spike holes at each side extending transversely

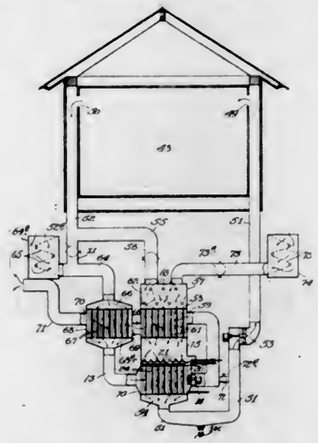
thereof beyond each side of rail-bases of different widths to receive a spike in the outer end of each hole and a spike-plug fitting between the spike and base, each plug having flanges at its lower end to engage the lower end of its spike-hole and having a wing overlying the base to interlock both sides of the base and plate.

1,510,339. RAIL-ANCHORING CLIP. WARREN M. OSBORN, Chicago, Ill., assignor to Chicago Malleable Castings Company, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1922, Serial No. 564,418. Renewed Mar. 10, 1924. 4 Claims. (Cl. 238—292.)



1. A rail-anchoring clip comprising a body having a spike-hole, a depending lug at the inner end of the spike-hole having an inwardly directed wing, and a rigid flange on the upper portion of the body above the wing and terminating in a depending coiled spring.

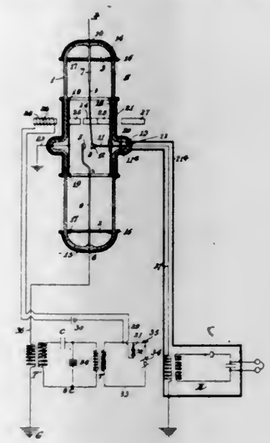
1,510,340. ART OF COOLING SUBSTANCES. PETER D. PAULS, Maywood, Ill. Filed Feb. 17, 1922. Serial No. 537,847. 15 Claims. (Cl. 62—176.)



10. The method of cooling a substance which consists in subjecting the substance to the cooling action of liquid evaporated by contact with air and preliminarily cooling the substance and cooling the air preliminary to its contact with the liquid, by subjecting the substance and the air to the cooling effect of the air after contacting the latter with the liquid.

1,510,341. ELECTRICAL APPARATUS. JOHN A. PROCTOR, Lexington, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed June 4, 1921. Serial No. 475,144. 1 Claim. (Cl. 250—13.)

In a radio communication installation of the type wherein the same aerial is used for both transmitting and receiving apparatus alternately connected thereto, and wherein the aerial switch for the receiving apparatus is operated by the connection of the transmitting apparatus to the aerial, and wherein the contacts of said switch have slight relative movement permitting action at a rate corresponding with a high rate of connection and disconnection of the transmitting apparatus relative to the aerial, the improvement, permitting the connection of the receiving apparatus to the aerial on the high potential side of the transmitting apparatus and thereby permitting the reception of short waves,

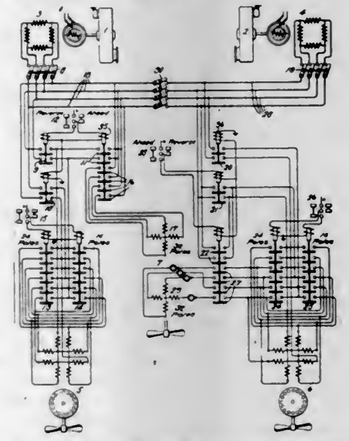


said improvement comprising a vacuum between the contacts of said receiving apparatus switch, said vacuum constituting a strong dielectric resisting the high potential on the aerial caused by the operation of the transmitting apparatus.

1,510,342. RECOVERY OF SULPHUR FROM GASES. NIELS E. RAMMUSH, Stockton-on-Tees, England. Filed Aug. 10, 1920. Serial No. 402,690. 2 Claims. (Cl. 23—10.)

1. In a process of removing sulphur from gases by means of a suspension of solid oxidizing agent, circulating the suspension in a distributed condition in a closed path through one part of which the gas is continuously passed while into another part free oxygen is admitted at such a slow rate that the partial pressure of the available oxygen in the atmosphere in this part is reduced to that below which revivification proceeds at an uneconomical rate.

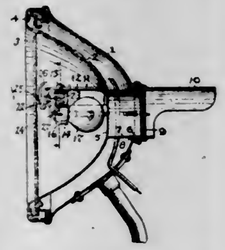
1,510,343. SHIP PROPULSION. LOUIS RASK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 14, 1923. Serial No. 645,441. 7 Claims. (Cl. 172—8.)



1. A system of electric ship propulsion wherein the propeller motors are arranged to be supplied with al-

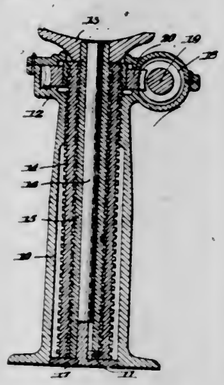
ternating current from a suitable source of power, comprising a double fed motor, a plurality of single fed motors, and means for interconnecting said motors with said source whereby at full speed of the ship said motors may be caused to exert equal torques and at cruising speed said double fed motor may be driven at a speed corresponding to the slip of the propeller.

1,510,344. AUTOMOBILE LAMP. CHRISTIAN REINKER, Lakewood, Ohio. Filed Mar. 27, 1922. Serial No. 547,172. 2 Claims. (Cl. 240—7.)



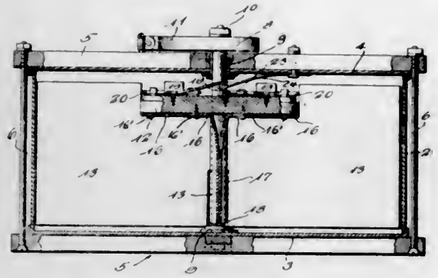
1. A headlight for automobiles, comprising a parabolic reflector; a lens at the front of said reflector having an opaque upper portion extending below the center thereof; an arcuate shield secured to said reflector above the axis thereof and extending forwardly; a lamp holder suspended from the outer end of said shield adjacent said lens; and a lamp in said holder facing the rear of said reflector, said reflector having a light transmitting opening and a lens at its rear opposite said lamp.

1,510,345. LIFTING JACK FOR AUTOMOBILES. JOHN ROBERT ROBERTSON, New Glasgow, Nova Scotia, Canada. Filed Nov. 7, 1922. Serial No. 599,554. 2 Claims. (Cl. 254—102.)



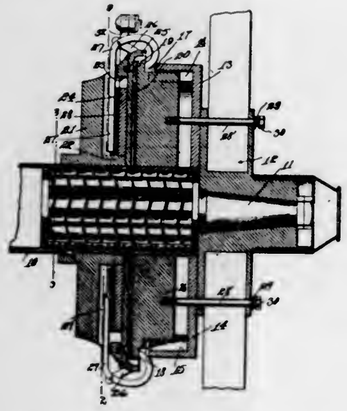
1. A lifting jack for automobiles, and the like, comprising an inwardly threaded casing, a screw adapted to engage with said casing and threaded on the inside to engage with an oppositely threaded inner screw, a concentrically arranged rod adapted to slidably engage with the inner screw and fixedly secured to the casing, whereby the rotation of the inner screw is prevented, means carried by the inner screw adapted to support the axle of a vehicle, and means for operating the outer screw to raise and lower the inner screw, and comprising the spline gear keyed to said outer screw and designed to slidably engage with the outer screw, a worm gear meshing with the spline gear, and a spindle for the worm gear, connected through a universal joint at its outer end with telescopic handle means to operate the lifting jack from a distance.

1,510,346. TRAP. ALBERT G. SMITH, New Concord, Ky. Filed Aug. 27, 1923. Serial No. 659,628. 4 Claims. (Cl. 43—74.)



1. A trap comprising a cylindrical casing having an inlet and outlet spaced apart circumferentially, a spring-rotated shaft extending coaxially into said casings and having a plurality of radial wings extending to the casing wall, a support rotatable with the shaft and disposed at the upper edges of said wings, said support having circumferentially spaced stop shoulders equal in number to said wings, a movable stop stationarily mounted with respect to said stop shoulders and co-operable therewith, and releasing devices for said movable stop movably mounted on the support adjacent said stop shoulders and having extended bait-carrying triggers between said wings.

1,510,347. VEHICLE BRAKE. BERTRAM C. SMITH, Red Lion, Pa. Filed Sept. 12, 1923. Serial No. 662,289. 6 Claims. (Cl. 188—72.)

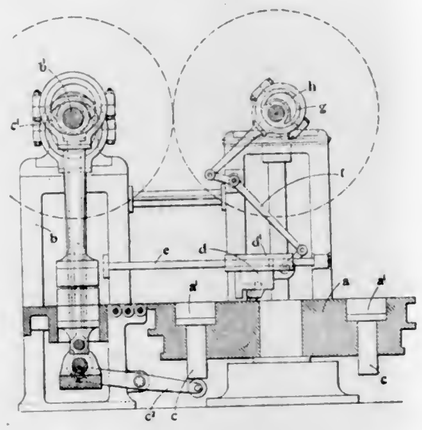


1. In a vehicle brake, an axle carried member, a wheel carried member rotatable with the wheel and movable into and out of engagement with the axle carried member, means for normally holding the wheel carried member out of engagement with the axle carried member, and means for moving the wheel carried member into engagement with the axle carried member.

1,510,348. EXPLOSIVE AND ITS MANUFACTURE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Dec. 14, 1920. Serial No. 430,770. 6 Claims. (Cl. 52—11.)

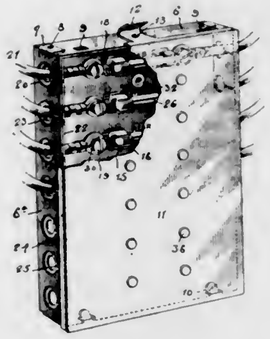
1. An explosive comprising nitrostarch, an oxidizing agent, a stabilizing agent, and a liquid constituting a solvent for the stabilizing agent but not for the nitrostarch.

1,510,349. BRICKMAKING AND LIKE PRESS. THOMAS STANLEY, Stoke-on-Trent, England, assignor of one-half to Thomas Slater Whitfield, Basford, Stoke-on-Trent, England. Filed Mar. 7, 1924. Serial No. 697,654. 4 Claims. (Cl. 25—64.)



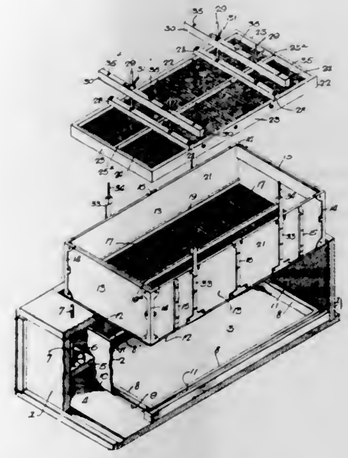
1. In a brick making press having a rotary mold table, a pusher horizontally reciprocated above the said table for transferring the blocks of molded material from the said table, said pusher comprising an oil receptacle, a plurality of openings through the bottom of the said receptacle, wicks inserted into said openings and means for supporting the pusher above the table so that the wicks are maintained in contact therewith.

1,510,350. FUSE BOX. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 25, 1920. Serial No. 419,245. 4 Claims. (Cl. 200—133.)



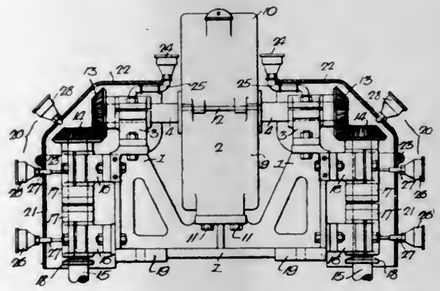
1. In a fuse box, a sheet metal body having its opposite sides pierced to afford a series of wire-entry apertures, an insulating base plate fitting within said body and having a series of pairs of fuse-clip terminals which register with the wire-entry apertures in the sides of the box, securing means piercing the base for holding the said clips in position thereon, and a flexible insulating lining supporting said base from the bottom of the box and having up-turned side flanges facing the apertured sides of the box and pierced to admit lead wires to said clips.

1,510,351. DYEING MACHINE. JAMES H. THOMPSON, Trenton, N. J., assignor to Hussong Dyeing Machine Company, Groveville, N. J., a Corporation of New Jersey. Filed Dec. 22, 1922. Serial No. 608,532. 6 Claims. (Cl. 8—19.)



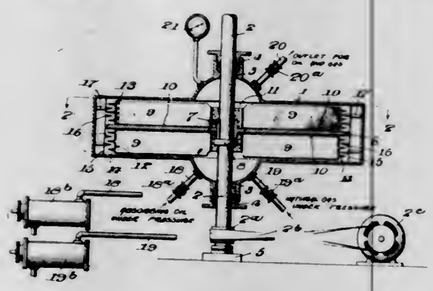
1. The combination in a dyeing machine, of a vat; means for circulating dye liquor in the vat; beams resting on the edges of the vat; a cage suspended from the beams and within the vat; and a cover for the cage, also carried by the beams.

1,510,352. DRIVING HEAD FOR DYEING MACHINES. JAMES H. THOMPSON, Trenton, N. J., assignor to Hussong Dyeing Machine Company, Groveville, N. J., a Corporation of New Jersey. Filed Mar. 29, 1924. Serial No. 702,796. 3 Claims. (Cl. 74—56.)



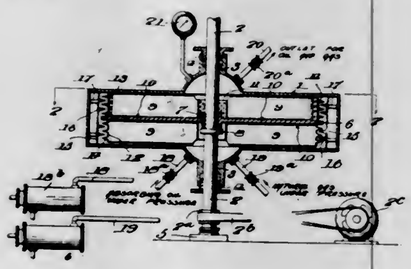
2. The combination in a driving head for dyeing machines, of a frame recessed at the center; two bearings on the upper portion of the frame, one at each side of the recess; a horizontal shaft mounted in the bearings; two bearings secured to each side of the frame; vertical shafts mounted in said side bearings; two roller thrust bearings on each vertical shaft between the side bearings; bevel gear wheels through which the vertical shafts are driven from the horizontal shaft; a sprocket wheel on the horizontal shaft; a casing enclosing said wheel and its drive chain, said casing being secured to the frame; and side casings enclosing the shafts and gears, said casings being made in two parts, the lower part being fixed and the upper part being movable.

1,510,353. CENTRIFUGAL PROCESS OF BLENDING OIL AND GAS. GEORGE M. TURNER, Riverside, Calif. Filed May 7, 1920. Serial No. 379,582. 5 Claims. (Cl. 196—5.)



1. The process of extracting gasoline from natural gas, which process comprises maintaining by the application of centrifugal force a banked up body of absorbing oil under centrifugal pressure within a casing, forcing gas containing gasoline to bubble through said banked up oil with sufficient pressure to overcome the centrifugal force applied to the oil, and separating the gasoline content from the absorbing liquid.

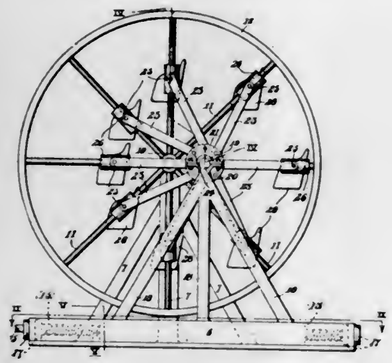
1,510,354. APPARATUS FOR SEPARATING GASOLINE FROM NATURAL GAS. GEORGE M. TURNER, Riverside, Calif. Original application filed May 7, 1920, Serial No. 379,582. Divided and this application filed Jan. 4, 1921. Serial No. 434,894. 9 Claims. (Cl. 261—84.)



9. Apparatus for using absorbing liquids to extract casing head gasoline from natural gas, which apparatus comprises a casing having a wall extending vertically, means for supplying gas and absorbing liquids to the interior of said casing, means for withdrawing materials treated, a rotor member within said casing mounted to rotate on its vertical axis in a horizontal plane, said means for withdrawing materials leading from a point positioned above said rotor member, and power means associated with said rotor member, said power means and rotor member together comprising means for forming and maintaining by centrifugal force a bank of liquid around the wall of said casing and having a thickness at least as great as the distance from said wall to said rotor member.

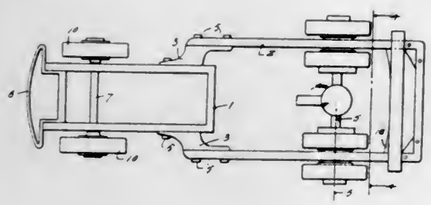
1,510,355. MECHANICAL ROUNDABOUT. JOSEPH TYMKOW, Ardrossan, Alberta, Canada, assignor of one-fourth to Mike Senyk and one-fourth to Peter Jacobs, both of Ardrossan, Alberta, Canada. Filed June 18, 1923. Serial No. 646,061. 5 Claims. (Cl. 46—27.)

1. In a device of the class described, a base, a shaft rotatably supported above said base, a spoked wheel keyed to said shaft; a second base, a stub shaft rotatably supported thereabove, a hub mounted on the stub shaft, radial spokes secured to said hub, blocks pivotally connected to said spokes encircling the spokes of said wheel, a car rotatably connected to each block, and means for



connecting the first mentioned rotatable shaft with a source of power for driving the same to cause said cars to travel in an arcuate path.

1,510,356. VEHICLE RUNNING GEAR. WALTER B. UFFERT and CHARLES W. POWELL, New York, N. Y.; said Uffert assignor of his entire right to said Powell. Filed Dec. 14, 1921. Serial No. 522,306. 5 Claims. (Cl. 180—22.)

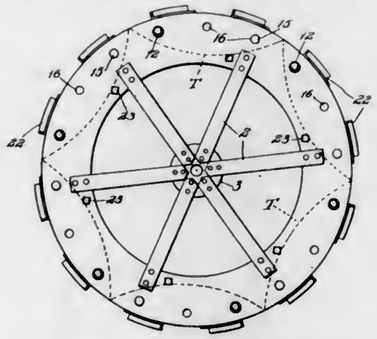


1. A double wheel attachment for the rear axle of a motor vehicle, comprising a rotatable supporting member including a body and opposed extensions, the body of said supporting member being disposed beneath the side bar of the vehicle frame and mounted on the rear axle housing, a wheel mounted on each of the extensions and disposed upon opposite sides of the side bar, a journal box secured to the body of said member and supported thereby, a spring supported by said journal box and supporting the side bars of the frame, a driving attachment between the axle and one of the wheels, and means securing the wheels to the body so as to cause them to rotate in synchronism therewith and with each other.

1,510,357. TRACTION WHEEL. WILLIAM E. VAIL, Ronceverte, W. Va. Filed Mar. 21, 1924. Serial No. 700,879. 8 Claims. (Cl. 301—50.)

5. A wheel comprising spaced rim plates, a plurality of tread sections interposed therebetween, each of said sections being reversible, means for holding said section in fixed position between the plates when the section is in either of its two positions, each of said sections having oppositely arranged surfaces adapted to be positioned to serve as the tread of the wheel, each of said sections comprising two longitudinally curved plates, said plates being each on substantially the same radii, blocks interposed between the opposite end portions of the plates and secured thereto, means coacting with one of said blocks and the rim plates for pivotally supporting the

section, a locking means carried by the second block and engageable with the plates to hold the section in either

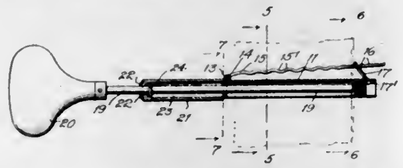


of its two positions, and a reinforcing web interposed between the plates of the section and between the blocks.

1,510,358. METHOD OF PREPARING A COMPOSITION FOR PRESERVING WOOD. VICTOR VANDEVOORDE, Brussels, Belgium, assignor to N. V. Netherland Colonial Trading Cy., Brussels, Belgium, a Corporation. Filed Nov. 6, 1920. Serial No. 422,258. 2 Claims. (Cl. 134—78.6.)

1. A method for manufacturing a wood preserving solution, the said method consisting in preparing an ammoniacal solution of copper hydroxide, preparing separately an ammoniacal solution of zinc formate, the total proportion of copper and zinc being of about 6%, and an ammoniacal solution of phenol containing about 8% of phenol and an excess of ammonia and finally mixing the solutions whereby the products mixed together are maintained in solution.

1,510,359. HAIR WAVER AND CURLER. ALFRED VAN GALE, Newark, N. J. Filed Nov. 27, 1923. Serial No. 677,206. 12 Claims. (Cl. 132—41.)



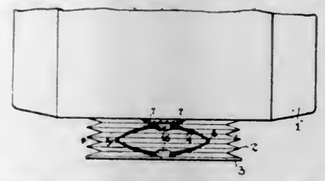
1. A device of the kind described, comprising a body of angular cross sectional shape, a clamp-bar pivotally connected with one end of said body to extend longitudinally over one face of the latter, a keeper loop pivoted to the opposite end of said body, and the free end of said clamp-bar having a plurality of catch means selectively engageable by said keeper loop.

1,510,360. ASSEMBLING COVER. HERMANUS VAN RIJMENAM, The Hague, Netherlands. Filed Feb. 12, 1923. Serial No. 618,558. 4 Claims. (Cl. 129—1.)



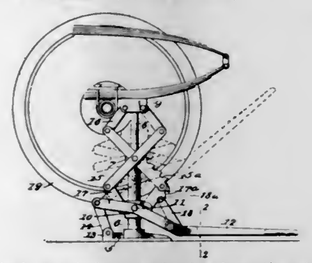
2. An assembling cover comprising a back portion; and an elastic material in said back portion adapted to removably receive staples.

1,510,361. BUFFER ATTACHMENT FOR VESTIBULE DIAPHRAGMS. WALTER D. VAUGHAN and EDWARD M. DICKERMAN, Rutland, Vt. Filed Jan. 30, 1924. Serial No. 689,448. 3 Claims. (Cl. 105—14.)



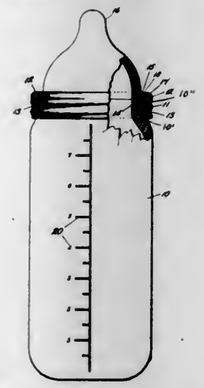
1. A buffer attachment for car vestibule diaphragms comprising a connecting bracket adapted to be secured to one end of a car, an elliptical spring formed of a pair of oppositely disposed sections connected together at their ends, a coupling device inclosing and connected to the central portion of a spring section and including means for securing said section to the face plate of the diaphragm, and a coupling device inclosing and connected to the central portion of the other section of the spring and including means for securing said section to said connecting bracket, said coupling devices extending towards each other and each including a binding plate having an arcuate face bearing against the inner face of a spring section.

1,510,362. AUTOMOBILE JACK. STANLEY J. VESLEY, Cedar Rapids, Iowa. Filed Dec. 17, 1923. Serial No. 681,087. 4 Claims. (Cl. 254—122.)



4. In a jack, a tubular standard, a base therefor, a post slidable in the standard, a collar slidable thereon, toggle-levers connecting the collar with the post, a hand-lever pivoted to the collar, a link connecting the lever with the standard, and a pawl connecting with the lever and engageable with contiguous members of the toggle, the same being serrated for that purpose.

1,510,363. NURSING BOTTLE. JOSEPH CARL WANGEN, Great Falls, Mont. Filed Mar. 31, 1923. Serial No. 629,152. 5 Claims. (Cl. 215—11.)



1. A nursing bottle comprising a body portion provided with a peripherally threaded neck having a substantially

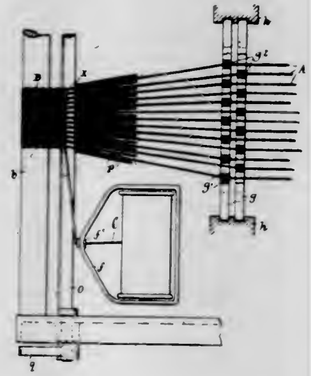
wide plane forward end edge provided with an annular groove, a resilient nipple having a plane inner end edge seating entirely on the forward end edge of the neck and formed with a bead extending into said groove to prevent lateral shifting of the nipple relative to the neck, the inner diameter of said nipple at its inner end edge being the same as the inner diameter of said neck, whereby the inner face of the nipple at its inner end will form a continuation of the inner face of the neck, and a locking collar engaging directly with the threads of the neck and having means opposing the forward end edge of the neck and engaging the nipple for securing it to the bottle and further providing in connection with said bead a liquid tight joint between the inner end edge of the nipple and the forward end edge of the neck.

1,510,364. ELECTRIC BATTERY WITH AN ABSORBED LIQUID. GUSTAVE WEISSMANN, Paris, France. Filed May 16, 1922. Serial No. 561,427. 4 Claims. (Cl. 204—29.)



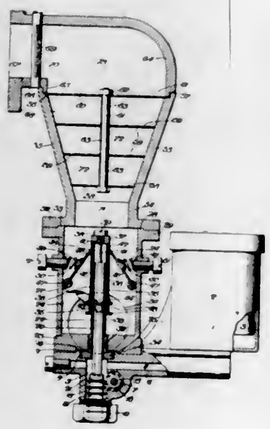
1. A battery with an absorbed liquid, comprising in combination: a jar,—a negative electrode having multiple parallel plane elements constituting, within this jar, a partition which forms a series of compartments,—a spongy insulating coating covering this negative electrode, a positive electrode having multiple elements placed in the compartments formed by the negative electrode,—a depolarizing material, in a divided state, filling the said compartments and packed or compressed in the latter in such a way that it is in direct contact at the same time with the negative electrode covered with its envelope and with the positive electrode,—and electrolyte impregnating this depolarizing material and the spongy insulating coating of the negative electrode.

1,510,365. LOOM. WILLIAM S. WELLS, Bethlehem, Pa. Filed Apr. 14, 1923. Serial No. 632,070. 2 Claims. (Cl. 139—191.)



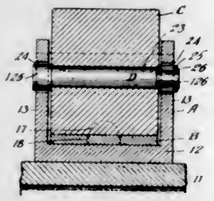
2. A loom including means to hold stretched the warp and woven cloth, means to hold the warp threads converging in plan toward the cloth, and a comb to beat up the filling introduced into sheds formed in the warp, said comb extending transversely of said plane and being pivoted on an axis substantially parallel with and close to the fell of the cloth to move through said plane with its dents intermeshing with the warp threads and having said dents converging longitudinally thereof toward the line across them where they have impact with the fell.

1,510,366. FUEL MIXER. JAMES CARLILE WHITEMAN, Christchurch, New Zealand, assignor to Whiteman's "Supurb" Carburettor Company Limited, Sydney, New South Wales, Australia. Filed Aug. 20, 1920. Serial No. 404,885. 5 Claims. (Cl. 48—180.)



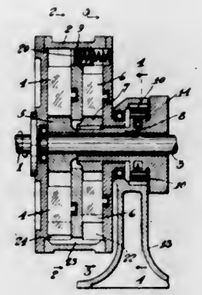
5. In a carburetor, an atomizing and gas expansion chamber consisting in an outwardly inclined or flared wall, a removable cap or dome carried by the chamber above the wall, a gas outlet branch communicating with the cap or dome, and a plurality of super-imposed perforated partitions disposed within the chamber and forming therein a series of super-imposed compartments inter-communicating with each other through the apertures in the partitions, the area of each partition being greater than the area of that preceding it and the perforations in each partition being of less area than those in the partition preceding it and being staggered in relation thereto.

1,510,367. ANTIFRICTION BEARING. KEITH WILLIAMS, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 27, 1921. Serial No. 525,051. 2 Claims. (Cl. 64—65.)



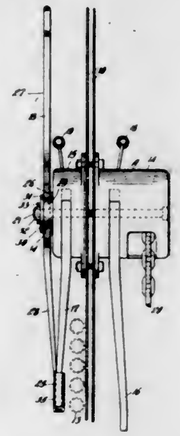
1. In an anti-friction bearing, the combination with a retaining member provided with spaced integral side walls and having a longitudinally extending bearing surface; of an anti-friction element adapted to have rolling contact with said bearing surface and located between said side walls; and means for retaining said element in assembled relation with said retaining member, comprising a pin headed at one end and extending through the anti-friction element and having its ends projecting beyond the ends of the anti-friction element, a bushing on the other extended end of said pin rigidly and permanently attached thereto, the side walls of the retaining member having elongated openings therethrough within which said ends of the pin are adapted to work back and forth, all the portions of said bushing, of the headed end of the pin and of the pin lying between the outer planes of the side walls of said retaining member, being of smaller diameter than the width of said openings

1,510,368. HYDRAULIC COUPLING AND CHANGE-SPEED GEAR. SVEN GUSTAF WINGQUIST, Gottenborg, Sweden. Filed July 14, 1922. Serial No. 575,027. 5 Claims. (Cl. 192—58.)



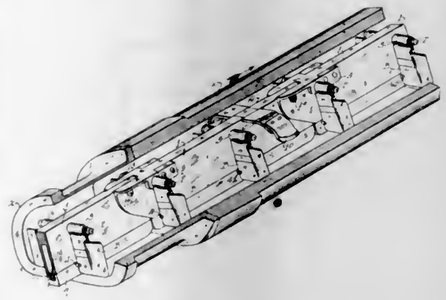
1. A hydraulic coupling and change speed gear comprising a delivery pump and at least one receiving pump and a valve-controlled passage between the delivery pump and the receiving pump, said hydraulic coupling and change speed gear comprising a driving rotor, a driven rotor, and a stator, one of said rotors being common to both the delivery pump and the receiving pump, means for automatically releasing the stator so as to rotate freely with the common rotor, when the said valve-controlled passage is closed, and means for permitting the stator to automatically obtain a gradually decreased speed of rotation, when opening said valve-controlled passage, so that the change from one step of coupling to another will take place smoothly and the energy of movement stored in the stator will be utilized.

1,510,369. HAND BRAKE. ALBERT P. WITHALL, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Oct. 20, 1923. Serial No. 669,664. 7 Claims. (Cl. 74—114.)



1. In an operating device adapted for attachment to the depending ratchet lever of a hand brake mechanism having a housing located on the inner side of the end wall of a car and a supporting bolt about the axis of which the depending lever is oscillatable, the combination with a hub; of a pair of arms laterally projecting from said hub, one of said arms serving as an operating lever and the other of said arms having means for attaching the same to the ratchet lever; and a journal element for said hub, whereby, said operating arm may be oscillated to effect operation of the ratchet lever.

1,510,370. APPARATUS FOR CHARGING AND DISCHARGING GAS RETORTS. JAMES GEORGE WILLCOX ALDRIDGE, London, England. Filed Aug. 31, 1923. Serial No. 660,335. 9 Claims. (Cl. 214—34.)



1. A retort charging apparatus, comprising a central member that is adapted to be introduced into and withdrawn from a retort, push plates at the sides of said central member hinged at their upper edges to horizontally-disposed pivots, and means for maintaining said push plates in an upright position at approximately right angles to said central member during the forward stroke of said member, the upper outer edge portions of said push plates being deflected rearwardly so as to clear the retort when said plates swing upwardly into a horizontal position during the return stroke of said central member.

1,510,371. POWER BALER. ARNOLD ABRAHAM ALLISON, Teakworth, Transvaal, South Africa. Filed Apr. 3, 1922. Serial No. 549,162. 2 Claims. (Cl. 100—24.)

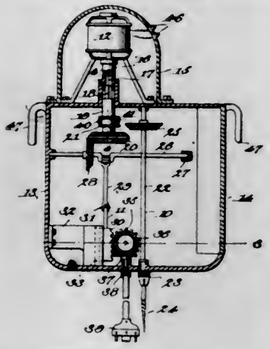


1. In a power baler for hay and the like, the combination with a fixed support, of a cage having a normally open lower end adapted to be closed by said fixed support, fingers pivotally connected to said cage and adapted to be struck by lugs on a ram for moving the cage to a position to open its lower end, an axially movable rod connected to the fingers for moving the latter out of operative position, a lever connected to the rod, a link connected to the lever, a second lever connected to the link, a cam engaging the second lever, a shaft on which the cam is mounted, and a wheel fixed to said shaft and adapted to be rotated by a bale emerging from the baler.

1,510,372. COMBINED DRILLING AND GRINDING MACHINE. LOUIS AMBROSIO, Richmond Hill, N. Y. Filed July 20, 1923. Serial No. 652,837. 4 Claims. (Cl. 29—26.)

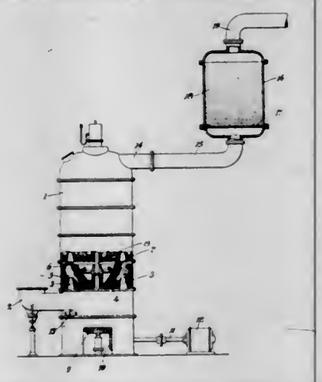
1. In a combined drilling and grinding machine, a housing, a motor, a shaft rotatable by said motor, a double gear formed on the free end of said shaft, a drilling element, a vertical shaft journaled in said housing and having a gear for co-action with the double gear for transmitting rotary movement to said drilling element, a crank shaft journaled in said housing and having a gear thereon for co-action with said double gear,

and means operable by said crank shaft for imparting oscillatory movement to said grinding element, and shift-



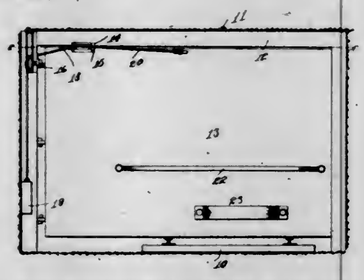
ing means for said double gear for rendering one of said gears operative and the other of said gears inoperative.

1,510,373. PROCESS OF PURIFYING CARBON DIOXIDE ADVANTAGEOUSLY. ARTHUR A. BACKHAUS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed May 5, 1924. Serial No. 710,975. 11 Claims. (Cl. 23—10.)



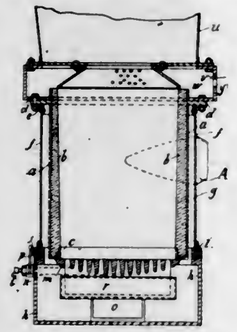
8. The process which comprises purifying carbon dioxide by passing it through activated carbon to remove odorous and objectionable impurities therefrom.

1,510,374. MINE DOOR. ERNEST L. BAILEY, CHARLES H. SCOTT, and WALLACE WILEY, Lookout, Ky. Filed July 3, 1924. Serial No. 724,096. 3 Claims. (Cl. 246—304.)



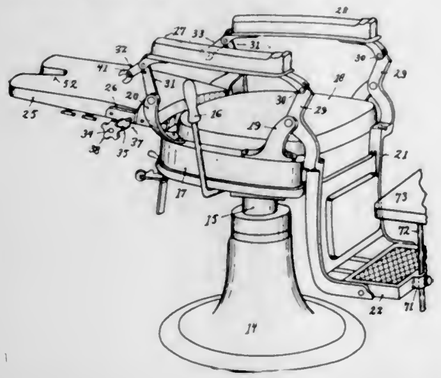
2. A mine tunnel closure including a doorway, a door mounted for swinging movement in the doorway, car engaging bumpers on each side of the door, a horizontal grooved wheel mounted in the upper side of the doorway, vertical grooved wheels at opposite sides of the doorway at the supported side of the door, and weight carrying cables connected with the door and engaged with the wheels.

1,510,375. GAS PRODUCER FOR USE IN AUTOMOBILES AND THE LIKE. HERBERT WILLIAM BAMBER, London, England, assignor to Maurice Steinman Bezencenet, London, England. Filed Nov. 23, 1921. Serial No. 517,244. 1 Claim. (Cl. 48—64.)



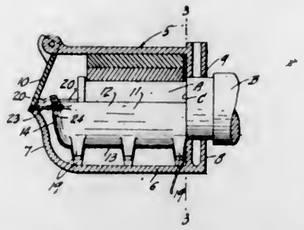
A gas producer comprising an inner generating chamber provided with a single external flange at its upper end, an outer metallic casing surrounding said generating chamber and an ash pit disposed below said chamber, the upper end of said casing having a flange that supports, and is removably secured to, said external flange and the lower end of said casing resting in an annular groove in the top of the ash pit, a grate swivellably mounted on a tubular axis within said ash pit and contacting with the lower end of the inner generating chamber, a vaporizer situated beneath said grate and a pipe connecting said tubular axis with the vaporizer.

1,510,376. SURGICAL AND DENTAL CHAIR. EUGENE BERNINGHAUS, Cincinnati, Ohio, assignor to The Eugene Berninghaus Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 16, 1921. Serial No. 501,170. 6 Claims. (Cl. 155—25.)



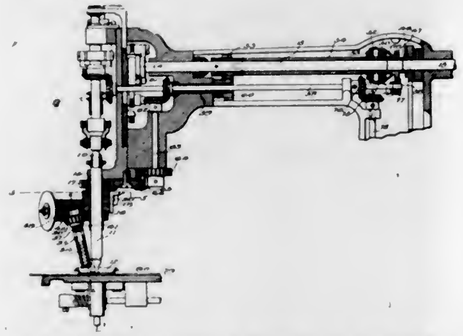
1. A surgical chair comprising a base a vertically and rotatably adjustable seat, a chair back having a medial recess at its upper end to receive and afford a wider range of adjustment for a head rest, a head rest longitudinally and rotatably mounted relative to said back and adapted to enter said medial recess, and means to lock said back to any position of adjustment relative to said seat, said back being adjustable substantially into a horizontal plane with the upper face of said seat.

1,510,377. LUBRICATING MEANS FOR JOURNAL BOXES. BERT H. BLOSE, Johnsonburg, Pa. Filed Aug. 5, 1922. Serial No. 579,903. 5 Claims. (Cl. 64—24.)



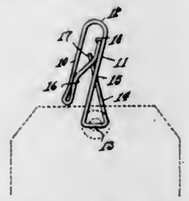
1. Lubricating means for journal boxes, comprising a lubricant containing receptacle disposed within a journal box, the outer end of said receptacle being closed by a wall and the inner end having an opening accommodating the journal, said inner end being formed to receive packing engaging the journal, and an outwardly and upwardly swingable cover hinged upon the upper edge of the outer end wall of the receptacle and having its free end engaging against the outer end of the journal for excluding dust and preventing splashing of the lubricant.

1,510,378. MACHINE FOR ATTACHING BEADS TO FABRICS. RAPHAEL BOLANDI, New York, N. Y. Filed July 10, 1922. Serial No. 573,850. 2 Claims. (Cl. 112—99.)



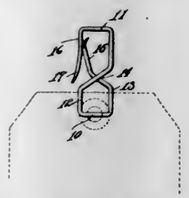
2. In a sewing machine attachment for adapting sewing machines to the sewing of stringed beads to fabrics, a bead feeding mechanism comprising a two-piece casing, means for adjusting one casing section relative to the other, spring means for normally holding the casing sections in their adjusted positions, and a worm mounted in the casing for compelling the passage of the beads therethrough.

1,510,379. TAG FASTENER. EARL J. BRACKEN, Butte, Mont. Filed Aug. 28, 1923. Serial No. 659,824. 5 Claims. (Cl. 40—26.)



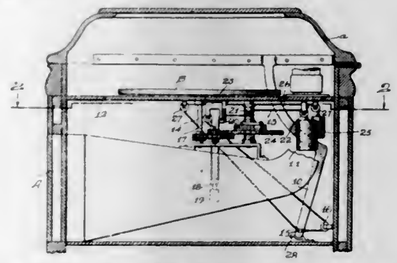
2. A tag fastener including an arm bent to form a fastening eye and a tag retaining eye, the fastening eye being formed with a tongue, and the tag retaining eye being formed with an extended portion which projects past the arm and the tongue and provides a barrier between the eyes.

1,510,380. TAG-FASTENING MEANS. EARL J. BRACKEN, Butte, Mont. Filed Aug. 28, 1923. Serial No. 659,825. 5 Claims. (Cl. 40—26.)



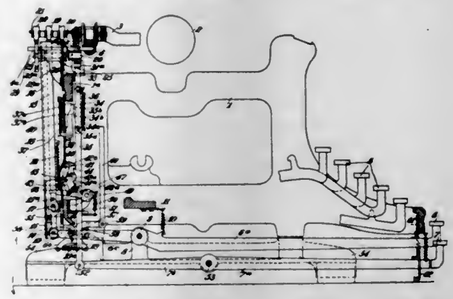
2. A tag fastener including a fastening loop and a tag retaining loop, a tongue carried by the tag retaining loop, an arm carried by the fastening loop and contacting with the tongue, the said arm projecting beyond the tongue to form a hook.

1,510,381. DRIVE MEANS FOR PHONOGRAPHS. AUGUST A. BREDER, Egg Harbor City, N. J. Filed Mar. 1, 1921. Serial No. 448,757. 5 Claims. (Cl. 185—32.)



1. In a phonograph and cabinet, a weight adapted to operate the record table, means to raise the weight with the lifting of the cabinet cover and means to permit the weight to descend independently of cover movements, said weight being suspended on a cord winding on a shaft below the record table.

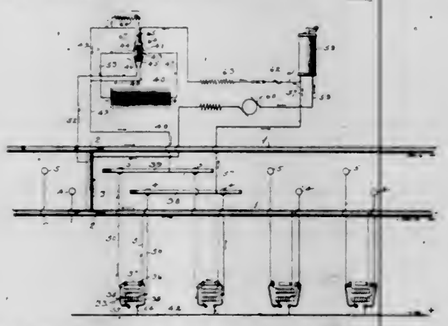
1,510,382. TABULATOR FOR TYPEWRITERS. THEODOR EUGEN BÜSCHMANN, Chemnitz-Kappel, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, Chemnitz, Germany. Filed Mar. 23, 1921. Serial No. 454,946. 7 Claims. (Cl. 197—177.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In tabulating mechanism for typewriters, a supporting bar fixedly mounted on the typewriter carriage and movable with said carriage, adjustable column

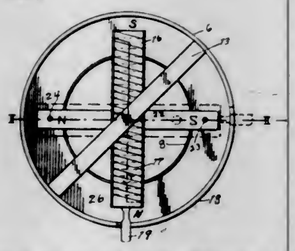
stops and adjustable column selecting stops arranged on said bar, key operated denominational stops cooperating with the column stops to halt the movement of the carriage, column selecting bars, keys for actuating said column selecting bars, locking means for the denominational stops actuated by said column selecting bars, and means actuated by the column selecting stops for releasing said locking means.

1,510,383. ELECTRIC TRACTION SYSTEM. GEORGE L. CAMPBELL, Philadelphia, HARRY R. NOLL, Williamsport, and HARRY G. DAVIS, Philadelphia, Pa., assignors, by mesne assignments, to Samuel P. Curtiss, Philadelphia, Pa. Filed Sept. 28, 1920. Serial No. 413,369. 26 Claims. (Cl. 191—17.)



22. An electrically operated circuit closer comprising an electro-magnet, a plurality of vibratory armatures, therefor, a pair of relatively movable contact members controlled by each armature, said contact members being connected in multiple whereby the circuit will be closed by any one or more of the contacts, and means for intermittently energizing the electro-magnet.

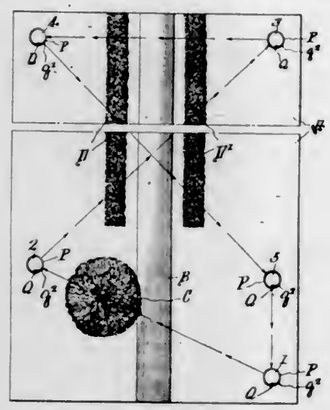
1,510,384. THERMOCONTROLLED ELECTRIC DEVICE. DIONISIO C. CASTELLANOS, San Quentin, Calif. Filed Feb. 9, 1923. Serial No. 618,098. 3 Claims. (Cl. 200—142.)



3. In a device of the character described, a receptacle having a vertical annular wall, an annular ring positioned within said receptacle and spaced from said wall, a meltable composition confined between said annular ring and said wall, a magnetic bar supported above said composition and having pins extending into said composition, a contact mounted on said annular ring, a contact mounted on said magnetic bar, an iron bar positioned above said magnetic bar, an electric circuit having one of its terminals connected to said contact and the other of its terminals connected to said magnetic bar.

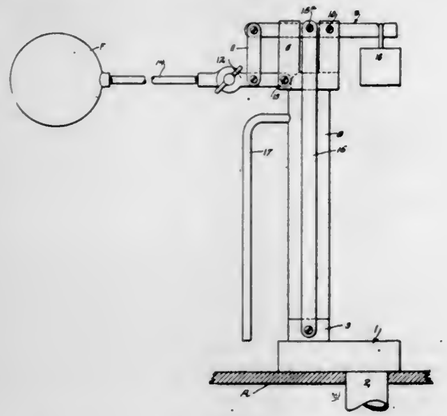
1,510,385. GAME APPARATUS. CECIL P. CAULKINS, New London, Conn. Filed Oct. 28, 1922. Serial No. 597,551. 1 Claim. (Cl. 46—61.)

In a game, the combination of a series of goal pieces to be placed on a playing surface at desired distances apart and at desired locations, a game piece, a flip stick for striking the game piece to project it from goal to goal, said game piece having supporting sides for contact with the surface to maintain the game piece in a



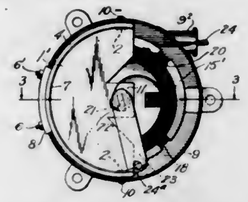
definite position when at rest, and a number of strokes on each of said sides of the game piece to be added to the actual strokes required for moving the game piece throughout the series of goals.

1,510,386. AUTOMATIC CUT-OFF. ISAAC M. CHANNELL, Duquesne, Pa. Filed May 29, 1922. Serial No. 564,429. 2 Claims. (Cl. 137—104.)



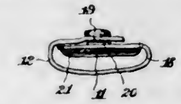
2. In an automatic cut-off, a water receiving head, a body secured in said head and having a longitudinally extending bore, a casing fitting about said body, a block having a depending neck secured in said casing and positioned and adapted to fit about the upper portion of said body so as to close the bore through the same when the casing is in lowered position, a main operating lever pivoted in the block at one side thereof, a supplemental lever pivoted in the block at the other side thereof and below said main lever, links connecting said supplemental lever to the main lever at one end thereof, a rod secured to the supplemental lever, a float carried by said rod, links pivotally connecting the head and the main lever between the first mentioned links and the pivot point of said main lever, and a weight suspended from the other end of said main lever and acting to force said casing downwardly, the casing being provided with an outlet opening adjacent to the upper end of the body.

1,510,387. REEL. JOHN G. COOK, Brooklyn, N. Y., assignor to Klaxon Company, a Corporation of Delaware. Filed Mar. 18, 1919. Serial No. 283,327. 8 Claims. (Cl. 173—367.)



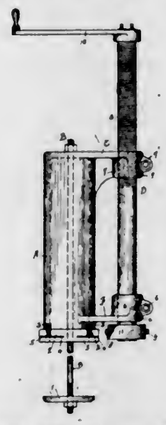
1. In a device of the character described, a spool comprising metal end discs connected by an insulating hub, an extension cord confined on the spool by the discs and having wires connected to the discs, a semicircular supporting plate conforming to and enclosing one half of the periphery of the spool, end plates insulated from the supporting plate and forming therewith an open sided housing allowing insertion of the spool, binding posts extending through the supporting plate and connected to the end plates, and metal trunnions supported in the end plates and supporting the end discs for rotation thereon; substantially as described.

1,510,388. GARMENT AND SHOULDER STRAP THEREFOR. LOUISE DARLING, Toronto, Ontario, Canada. Filed May 25, 1923. Serial No. 641,441. 1 Claim. (Cl. 241—12.)



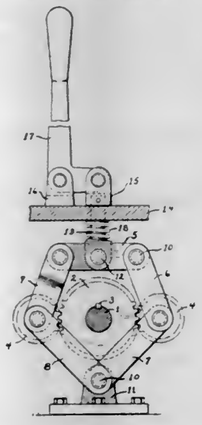
In a garment shoulder strap a clasping device being associated therewith comprising a flexible element, a tape having its ends secured to one end of the flexible element and underlying the strap in a manner to slidably secure said flexible element to the strap, cooperating fastening elements secured to the flexible element at its ends and arranged upon opposite sides thereof for the purpose specified.

1,510,389. CYLINDER-BORING MACHINE. ARTHUR DICKERSON, Salt Lake City, Utah, assignor to Mechanical Development Company, Salt Lake City, Utah, a Corporation. Filed Jan. 31, 1921. Serial No. 441,206. 2 Claims. (Cl. 77—2.)



1. A cylinder boring machine comprising a standard having integral bearing arms for a boring bar, lugs projecting from the lower portion of said standard each having a threaded hole therein; other lugs integral with said standard and spaced from the perforated lugs; tap screws with the threads thereon meshing with the threads in the hole of the first mentioned lugs, whereby the upper of said bearing arms may be adjusted laterally to direct the said boring bar.

1,510,390. BRAKE. MAX B. A. DORING, Brooklyn, N. Y., assignor to Doring Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 28, 1923. Serial No. 659,736. 3 Claims. (Cl. 188—75.)



1. A braking device comprising in combination a rotating member, a brake gear secured to said member, a plurality of oppositely disposed auxiliary brake gears arranged to mesh with said brake gear, and means for tightly meshing said gears to brake said member, the braking action of said gears being at an angle to the direction of movement of said gears.

1,510,391. DRAFT APPLIANCE. THOMAS J. FEELY, Duluth, Minn., assignor of three-eighths to Mark Elliott and one-fourth to August Beste, both of Virginia, Minn. Filed Feb. 11, 1924. Serial No. 691,887. 4 Claims. (Cl. 110—49.)

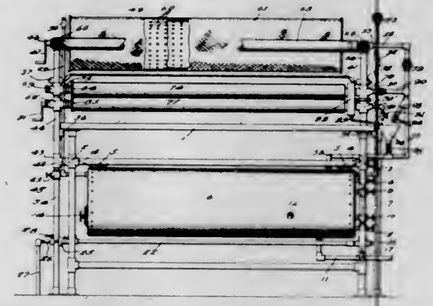


1. The combination with an enclosed combustion chamber and flue leading therefrom, of an auxiliary conduit within and extending longitudinally of the flue and adjacent one side thereof, said conduit having an opening in the end farthermost from the combustion chamber communicating with the interior of the flue and the opposite end discharging directly into the combustion chamber, and a damper within the flue for deflecting portions of the products of combustion into the conduit.

1,510,392. SPONGING MACHINE. SAMUEL FISHER, Baltimore, Md. Filed July 16, 1923. Serial No. 651,900. 2 Claims. (Cl. 26—43.)

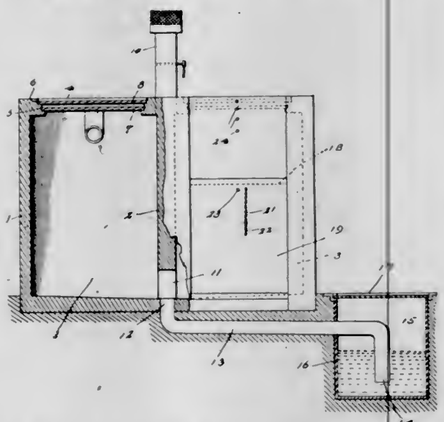
1. In an apparatus for the purpose set forth, a frame supported table, a steam generating tank removably and adjustably secured thereon, a blow off plug in the tank,

a blow off valve associated with the tank, a steam valve also associated with the tank, a water gage for the tank, try-out cocks for the tank, means for admitting water into the tank, a check valve controlling such means, an outlet cock associated with such means, heating means for the boiler, an apertured hollow drum revolubly supported above the table and having a fabric facing against which cloth to be sponged is arranged, spring influenced means for forcing the cloth against the drum, a valve controlled pipe from the steam generator communicating with the drum, a valve controlled drain in said pipe,



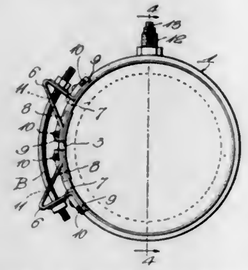
hollow rollers supported below the drum, intermeshing gears therefor, means for revolving the drum, means for revolving the rollers, valve controlled means for admitting steam from the steam conducting pipe into the upper roller, means establishing a steam passage between the upper and lower roller, means regulating the admission of steam from the upper into the lower roller, means for draining condensation from said lower roller, a funnel-shaped member receiving the condensation and connected with the steam conducting pipe and a valve controlling the passage between said condensation receiving member and said steam conducting pipe.

1,510,393. INCINERATOR. THOMAS FOGG, Chicago, Ill. Filed July 16, 1920. Serial No. 396,669. 1 Claim. (Cl. 110—8.)



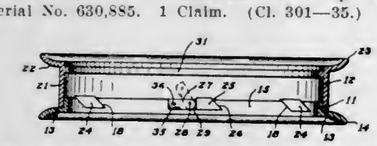
A device of the class described including a casing, a partition dividing the casing into spaced compartments, each compartment having an opening at its upper end, the side edges of said openings having grooves therein arranged in step relation, superposed cover plates having their edges mounted in said grooves, said partition having portions thereof cut away at its upper and lower edge providing communicating openings between said compartments at the tops and bottoms thereof, a flue aligned with the opening at the top of the partition to provide communication to the compartments, a drain pipe aligned with the opening at the bottom of the partition to provide communication to the compartment, a trap for receiving liquid from the drain pipe, and the inner surfaces of the bottoms of said compartments inclining towards the opening formed in the bottom of the partition.

1,510,394. PIPE BAND. CHARLES A. FRAZIER, Fairoaks, Calif. Filed Dec. 30, 1922. Serial No. 609,861. 3 Claims. (Cl. 137—99.)



1. A leak-stop for pipes comprising a transversely split pipe-encircling band, lugs on said band at the end portions thereof, each of said lugs having arms extending in diverging relation toward the band, one arm of each lug being positioned substantially at right angles to the outer face of the band and the other arm extending at an incline from the first mentioned arm toward the ends of the band, the arms of said lugs being provided with openings which are alined circumferentially of the band, and a clamping bolt passing through said openings for drawing the band tightly around a pipe.

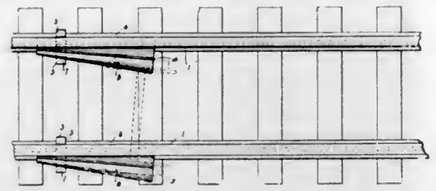
1,510,395. DEMOUNTABLE RIM. JOSEPH B. FUHR and ARTHUR A. BARNES, Philadelphia, Pa., assignors to Fuhr-Barnes Manufacturing Company, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 9, 1923. Serial No. 630,885. 1 Claim. (Cl. 301—35.)



A wheel rim comprising companion overlapping sections, one of said sections being provided with diagonally arranged cut-out portions at its inner edge, diagonally arranged lugs on the other section for engagement in said recess, said recessed section being provided with a relatively large locking recess having a diagonal end and a straight end, a locking lug on the lug carrying section for fitting in said locking recess and being shorter than the recess, a locking member pivotally connected to the lug carrying section and having long and short end portions, said locking member adapted to swing into said locking recess with its short end against said locking lug for locking the sections connected and when swung into unlocking inoperative position, the shorter end of the locking member will engage the edge of the locking recess and move the sections apart.

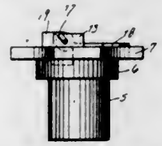
1,510,396. CAR REPLACER. BRYANT B. GIBBS, Maysville, N. C. Filed Apr. 25, 1924. Serial No. 709,011. 2 Claims. (Cl. 104—269.)

2. In a means for replacing a derailed car on the rails of a track, a clamp underlying and engaging one edge of the base of a rail, an upstanding lug on the opposite end of the clamp, a rerailing block comprising a member which gradually decreases in width from one to its other end, a central upstanding rib on the block, and the upper face of the block being gradually rounded from the rib to the inclined edges thereof, the reduced end of the block designed to be wedged between the lug of the clamp and the web of a rail and to be arranged at an



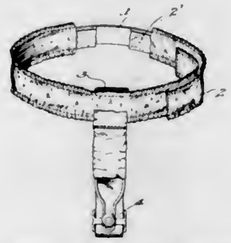
inclination with respect to said rail, and the edge of the block opposite the web exerting a friction thereagainst.

1,510,397. MILK-BOTTLE CLOSURE. WILLIAM F. GOODWIN, San Francisco, Calif. Filed June 18, 1923. Serial No. 646,118. 1 Claim. (Cl. 215—63.)



In a device of the character described a tubular portion, an enlarged portion formed integral therewith and having a head formed thereon, said head having recesses formed on its edge, upstanding lugs formed on said head and having inclined recesses formed therein, a recess formed in said head at a point below the plane of said head, a valve comprising a flat portion, a counterweight formed integral therewith, a pivot extending through said valve at a point adjacent said counter-weight, said valve being capable of contacting the face of said head when said head is in a horizontal position, substantially as and for the purpose specified.

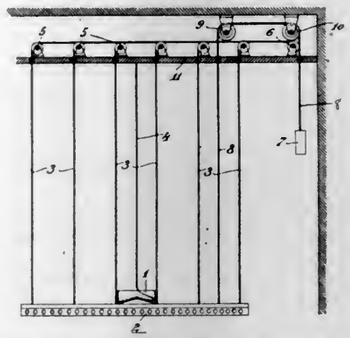
1,510,398. SUPPORTER. JAMES W. GRANDLE, Pierre, S. Dak., assignor of one-half to Lawrence Lawler, Pierre, S. Dak. Filed Dec. 15, 1922. Serial No. 607,165. 1 Claim. (Cl. 241—6.)



A supporter of the class described comprising a spring metal strip having its ends overlapped, a strip of felt on the inner face of the metal strip, a cover enclosing the felt and metal strips, a tape having its upper end looped about the device and a fastener connected with its lower end.

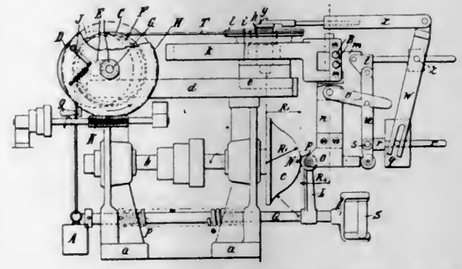
1,510,399. COUNTERBALANCE FOR STAGE LIGHTS. ALOIS HAUCK, Vienna, Austria. Filed June 4, 1924. Serial No. 717,905. 1 Claim. (Cl. 240—69.)

In combination, a vertically movable member, suspension members connected at one end to the vertically movable member, guiding means for the suspension members, a counter-balance connected with the opposite ends of the suspension members, a cable connected with the vertically movable member, and a receptacle carried by the vertically movable member having a centrally raised portion and adapted during the upward movement of the vertically movable member to cause the cable to arrange itself within the receptacle, the weight of the cable length deposited in the receptacle at the time and varying in



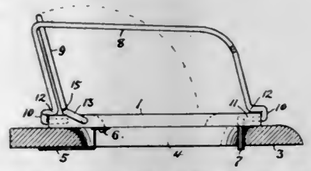
accordance with the height of the vertically movable member being accurately balanced at any height by a correct proportion between the weight per unit length of the suspension members and the weight per unit length of the cable.

1,510,400. MACHINE FOR SPINNING DISHED ARTICLES OF SHEET METAL. WILHELM HERDEN, Berlin, Germany. Filed Feb. 26, 1924. Serial No. 695,387. 9 Claims. (Cl. 113—52.)



1. A machine for spinning dished articles of sheet metal comprising in combination, a curved former, a pivoted arm movable in a horizontal plane and having its vertical axis of rotation vertically above and coaxial with the center of curvature of said former, a member pivotally mounted on said arm, a spinning roller suspended from said member, and means cooperating with said arm for guiding the spinning roller over the former.

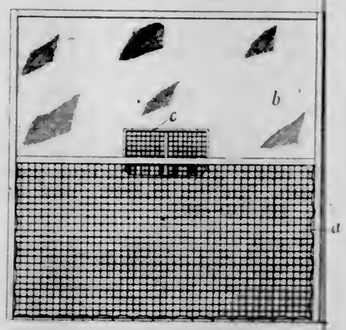
1,510,401. TOILET-SEAT ATTACHMENT. WILLIAM J. HESS, Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company, a Corporation of Indiana. Filed Feb. 2, 1924. Serial No. 690,125. 5 Claims. (Cl. 4—239.)



1. In an attachment of the class described, a rectangular seat having an aperture therein; a pair of arms, one for each side of the seat, each arm consisting of a rod bent into the form of a loop, each end terminal being shaped into a hook that extends in a plane that lies at an obtuse angle relative to that of the loop, and with

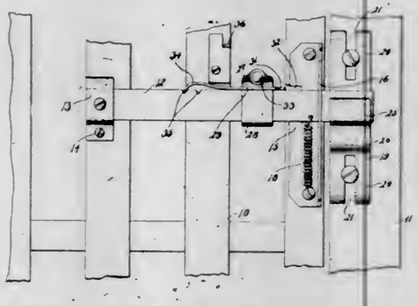
the ends of the hooks extending toward each other in axial alinement and projecting into the corresponding ends of the seat, each hook having a fulcrum that bears against the top of the seat and limits the outward swing of the arm; a back formed of a bent rod with terminal hooks, the ends of which extend respectively into the opposite sides of the seat in axial alinement, there being a fulcrum formed by each of said hooks that bears against the top of the seat and limits the backward swing of said back; a loop secured to the bottom of said seat having a rearwardly extending portion spaced apart therefrom; and a pendant stud near the front end of said seat, said loop and stud being engageable in the opening of a regular toilet seat and operable to hold the attachment centered thereon.

1,510,402. APPLIANCE FOR PLAYING GAMES RESEMBLING LAWN TENNIS. WILLIAM HOPWOOD, Manchester, England. Filed Mar. 2, 1922. Serial No. 540,544. 2 Claims. (Cl. 46—59.)



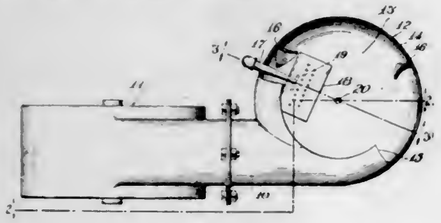
1. A game appliance simulating the conventional game of tennis comprising a frame adapted to be arranged adjacent a tennis court whereby the game may be played thereon, said frame including a lower net portion adapted to be arranged adjacent the court and an upper portion lying in the same plane as the lower net portion, said upper and lower portions being joined and forming a continuation of one another whereby to prevent the passage of a ball therebetween, said upper portion being adapted to cause a ball projected thereagainst to rebound into the court and return to the player.

1,510,403. LATCH. WILLIAM E. JONES, White, Ark. Filed May 11, 1923. Serial No. 638,306. 3 Claims. (Cl. 292—228.)



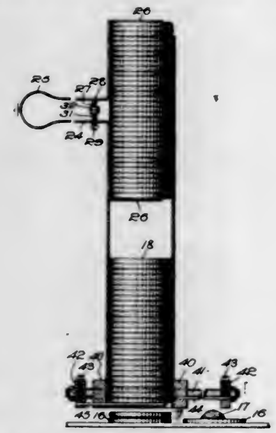
1. A latch embodying a pivotally mounted latch bar, a keeper formed from a single strip of material bent intermediate its ends to provide aligned slotted attaching ears and an offset portion having an inner wall spaced from and substantially parallel with one of the attaching ears to provide a latch bar receiving groove and an outwardly and downwardly inclined cam portion extending from the upper edge of said groove and having its lower end connected to the other attaching ear.

1,510,404. LIQUID-FUEL BURNER. FRANK KORNER, Galesburg, Ill., assignor to Winslow Boiler & Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1921, Serial No. 444,094. Renewed Mar. 10, 1924. 3 Claims. (Cl. 158—77.)



2. In a liquid fuel burner, a chamber having a tangential air-inlet, an oil supply, an oil distributing plate near the bottom of the chamber, and baffle plates arranged opposite the air inlet and inclined from top to bottom in the direction of the movement of the air current and curved in cross-section toward the air-inlet.

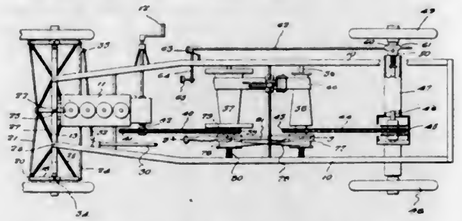
1,510,405. WAFER OR BISCUIT SANDWICH-MAKING MECHANISM. EDWARD E. LAWRENCE, Jamaica, N. Y., assignor to Loose Wiles Biscuit Company, Long Island City, N. Y., a Corporation of New York. Filed Aug. 4, 1919. Serial No. 315,171. 13 Claims. (Cl. 107—1.)



2. Wafer or biscuit sandwich-making mechanism comprising in combination, a travelling support for a lower cake, cracker or the like, means to support in superposed relation upper cakes, crackers or the like, a combined releasing means and abutment for the upper cakes, and means to elevate the lower cake into engaging relation with the released upper cake against said combined releasing means and abutment.

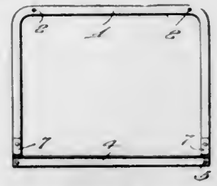
13. Wafer or biscuit sandwich-making mechanism comprising in combination, means to support a lower cake, cracker or the like, a hopper having means to position a superimposed series of upper cakes, crackers or the like, means for depositing in sequence single units of said series onto said lower cake, cracker or the like, said means including a reciprocable frame having opposed escapement members carried by opposite sides of said frame and each effective alternately to support said series and spaced vertically by substantially the thickness of a single unit, and means to reciprocate said frame.

1,510,406. MOTOR VEHICLE. WILLIAM W. LEWIS, Coatesville, Pa. Filed July 19, 1922. Serial No. 576,065. 1 Claim. (Cl. 280—94.)



The combination with a vehicle, of a steering mechanism comprising an axle, a spindle mounted for horizontal pivotal movement at each end thereof, oppositely projecting laterally extending arms carried by each of the spindles, a centrally located arm pivotally mounted transversely of the axle, rods connecting the last mentioned arm with the spindle carried arms and springs connecting each end of each of the arms and secured to the axle at a point upon each side of and intermediate the center and the ends of the axle to normally maintain the spindles in alignment.

1,510,407. COUCH-HAMMOCK FRAME. DUANE MELVILLE LILLIBRIDGE, St. Charles, Ill. Filed Aug. 24, 1923. Serial No. 659,197. 1 Claim. (Cl. 5—124.)



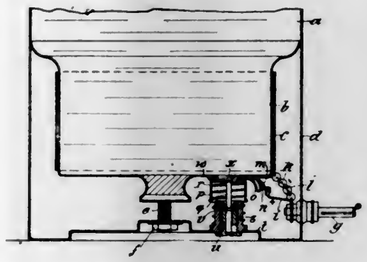
A knock-down hammock frame comprising a metal end frame of arched form provided at its lower ends with a pair of key-hole slots whose smaller ends are disposed downwardly, a horizontal seat end supporting bar extending between and overlapping said ends of the arched frame, headed studs extending from the ends of said bar and received in the lower ends of said key-hole slots, said studs being movable into the enlarged ends of the slots by upward movement of said bar to permit disconnection of the frame and bar, and stops pivoted to the ends of said end frame and normally abutting said bar to hold the same against such upward movement.

1,510,408. KNEE BRACE. ROBERT A. LYCHOU, Chester, Pa. Filed June 5, 1922. Serial No. 565,860. 3 Claims. (Cl. 128—87.)



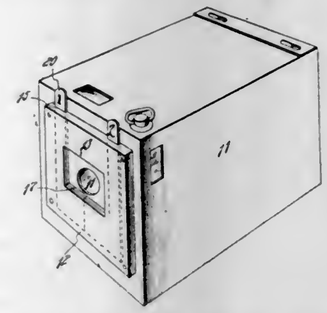
1. In a surgical brace the combination of a pair of bandage members, lacing means to adjustably fix said bandage members in spaced relation upon a limb, tubular flexible bracing members bridged between and engaging said bandage members, flexible bracing core members encased in the aforesaid tubular bracing members, said tubular and solid flexible members co-operating with each other and with said bandage members to flexibly brace and support a limb joint.

1,510,409. SAFETY DEVICE FOR ELECTRIC COOKING AND HEATING DEVICES. HEINRICH MAYBAUM, Sundern, Germany. Filed Mar. 29, 1922. Serial No. 547,916. 1 Claim. (Cl. 200—142.)



A safety circuit breaker comprising a stationary guide sleeve carrying a fuse pin, a contact carrying member guided by said guide sleeve and movable into circuit making and circuit breaking positions; a spring biasing said contact carrying member to its contact breaking position, a circuit contact carried by said contact carrying member, a compressible spring interposed between said circuit contact and said contact carrying member and compressed therebetween when the contact carrying member is in its circuit making position, and a guiding pin on said contact carrying member for engaging the fuse pin whereby to hold the contact carrying member in its circuit making position when the fuse pin is relatively cold, the first said spring operating to break the fuse pin and thereby break the circuit when the fuse pin becomes relatively hot.

1,510,410. CAMERA. WALTER C. MENYHART and BENJAMIN KATZ, New York, N. Y. Filed Oct. 24, 1923. Serial No. 670,550. 2 Claims. (Cl. 95—36.)

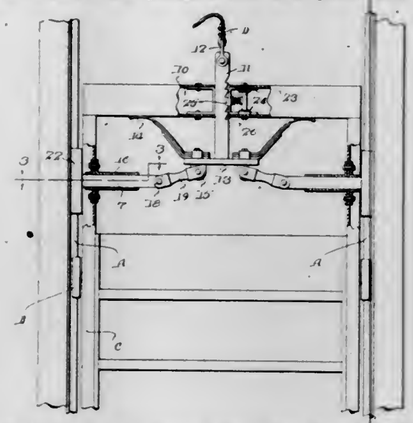


1. In a device of the class described, the combination with a box camera, having a lens opening, a housing secured to the front of the camera and provided with an opening for register with the lens opening, pockets formed in said housing, slots communicating with said pockets and opening at one side of said housing, shutters mounted for sliding movement in said housing and normally concealed within said pockets, manipulating portions formed on said shutters, and extending out of said slots for guiding the shutters when moved alternately across said lens opening.

1,510,411. SAFETY MINE ELEVATOR. CHARLES J. MOILANEN, Hancock, Mich. Filed Jan. 17, 1924. Serial No. 686,910. 1 Claim. (Cl. 187—86.)

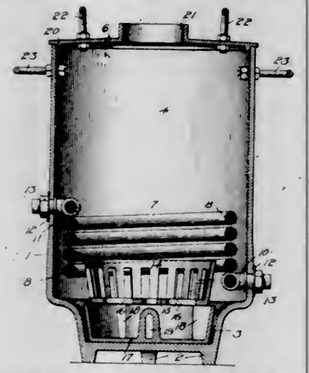
An elevator safety device comprising a guide in the top of an elevator, a bar slidable through the guide and to which the hoisting cable is connected, a plate on the lower end of said bar, spring means between the top of the elevator and said plate for forcing the bar downwardly, guides in the sides of the elevator, plungers

slidable through said last named guides and carrying shoes engageable with the elevator guides, connecting links between the plungers and said plate, said bar



being formed with ratchet teeth, and a pawl element slidable transversely along the top of the elevator and co-operating with said teeth for preventing upward movement of the bar.

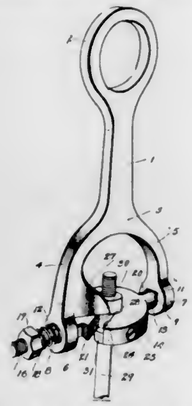
1,510,412. HEATER FOR STOCK-WATERING TANKS. EMMET NICHOLS, Paris, Ill. Filed Nov. 26, 1921. Serial No. 517,845. 3 Claims. (Cl. 126—367.)



2. A portable water heater adapted to be placed in a liquid contained in a tank and including a pot-shaped container having an open upper end, the lower portion of said container being of reduced diameter, an ash receiver arranged in the lower portion of said container and adapted to receive ashes falling from the larger portion of the retainer, a receptacle arranged in the container, supported by said ash receiver and forming a grate, a liquid circulating coil arranged in the container and having its ends extending through the wall of the container and opened to permit liquid contained in said tank to circulate therethrough, a downdraft flue opening into said container and having one of its walls formed by the wall of the container, the inner circumference of said coil being of sufficient size to permit the gate and ash receiver to be removed through the upper end of the container, and a cover for said container and flue.

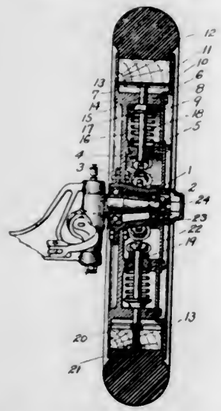
1,510,413. SUCKER-ROD ELEVATOR. GEORGE NORDLOH, Hamilton, Kans. Filed June 9, 1924. Serial No. 718,855. 3 Claims. (Cl. 294—91.)

1. A sucker rod elevator comprising a yoke having an eye at one end, an arched portion at the other, the ends of the arched portion having bearings with openings polygonal in cross section, a jaw having a sucker rod receiving slot, trunnions on the jaw, polygonal portions on the trunnions movable into and out of engagement with the polygonal openings in the bearings, a spring for normally urging the polygonal portions into



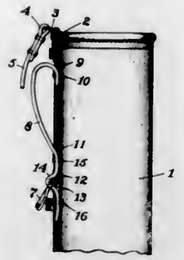
engagement with the polygonal openings in the bearings and a latch finger carried by one of the arms and extending across the slot in the jaw when the yoke is in one position with respect to the jaw and movable away from the slot when the yoke is in another position with respect to the jaw.

1,510,414. SPRING WHEEL. LESLIE R. PATTERSON, Kansas City, Mo. Filed Sept. 28, 1923. Serial No. 665,384. 1 Claim. (Cl. 152—31.)



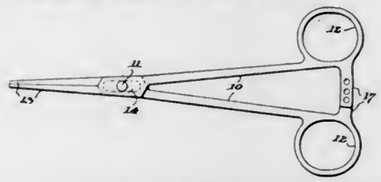
A wheel comprising a hub having a circumferential flange, a ring-shaped disk carried by the flange provided with outstanding annular flanges concentric with the center of the wheel, the disk being provided with an offset portion, a ring shaped cover plate co-operating with the off-set portion to provide an annular recess, arcuate blocks in the recess, radial guide rods, each consisting of two members, thimbles connecting the two members to form spring seats, coil springs about the guide rods resting on the seats, nuts carried by the inner circumferential flange on the ring-shaped disk against which the ends of the springs bear, the opposite ends of the springs bearing against the thimbles, the nut being adjustable in the flanges to vary the tension of the spring, means for securing each guide rod to a shoe, the other end of each guide rod passing through a nut and a tire about the segmental blocks.

1,510,415. GOLF-BAG HANDLE. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Oct. 26, 1923. Serial No. 671,016. 3 Claims. (Cl. 150—1.5.)



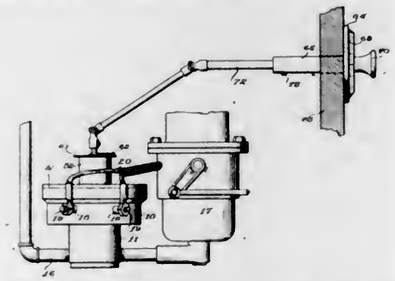
1. In a golf bag, a shoulder strap having one end attached to the upper portion of the bag, a hand grip secured to the bag and having its lower portion formed into a loop, a buckle held by said loop, the lower end of the shoulder strap being fastened to said buckle.

1,510,416. FORCEPS. FREDERICK PIETZ and JOHN COLETTI, Saginaw, Mich. Filed Apr. 15, 1922. Serial No. 553,039. 1 Claim. (Cl. 128—322.)



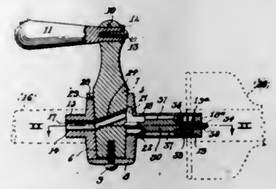
In forceps including a pair of handle members pivoted in cross relation, said handle members terminating at one end in finger grips and at their other ends in active jaws, lugs formed integrally upon the handle members near the finger grip equipped ends thereof and extending toward each other, one lug being formed with a plurality of openings extending therethrough and the other carrying a rivet having a projecting portion adapted to be engaged within a selected one of said openings, said projecting portion having a beveled surface and square retaining shoulder.

1,510,417. LOCKING DEVICE FOR MOTOR VEHICLES. ERNEST W. PHIGAN, Billings, Mont., assignor to Gage H. Kain, Billings, Mont. Filed Apr. 29, 1922. Serial No. 557,473. 1 Claim. (Cl. 70—53.)



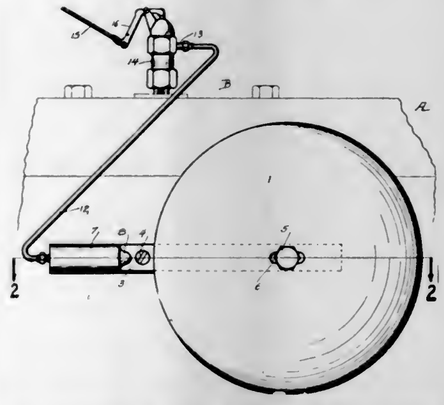
In a locking device for motor vehicles, the combination of a controlling shaft, a fixed base plate around the end of said shaft, a plate resting against the base plate and having an annular series of openings concentric with the shaft, a ring engaging over the edge of the last-mentioned plate and holding it to the base plate, a dial plate secured on the shaft over the ring, and a pin carried by the dial plate and selectively engageable in the openings in the second-mentioned plate.

1,510,418. PRESSURE-REGULATING GAS VALVE. CLARENCE SEELEY, Elmira, N. Y. Filed May 16, 1923. Serial No. 639,371. 2 Claims. (Cl. 67—121.)



1. In a device of the class described, a casing, tubular extensions carried by said casing constituting inlet and outlet passages for the same, a valve seat associated with said outlet extension, a valve positioned in said casing for controlling the amount of flow passing therethrough, a longitudinally grooved member positioned in said outlet extension, a reduced axially extending stem having a passage therethrough forming a part of said member, a valve surface on said stem intermediate its length, and an additional reduced stem carried by said member for moving said surface against said seat for restricting the discharge to the passage through the first mentioned stem when the casing carried valve is moved to a predetermined position.

1,510,419. SIGNAL. DAN E. SEEMAN, Republic, Pa. Filed Feb. 5, 1924. Serial No. 690,839. 1 Claim. (Cl. 116—58.)

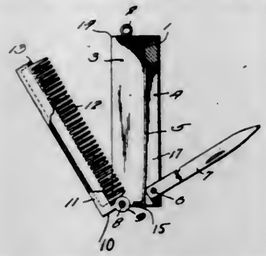


In combination with an internal combustion engine, a cylinder, a striker slidably mounted in the cylinder to be projected beyond one end thereof, said striker fitting snugly within the cylinder, a resonant member positioned to be struck by the striker when the latter is projected, and means for establishing communication between said cylinder and one of the cylinders of the engine for reciprocating the striker in accordance with reciprocation of the piston in the engine cylinder.

1,510,420. COMB AND KNIFE CASING. CHARLES H. SHERMAN, North Attleboro, Mass. Filed Apr. 15, 1922. Serial No. 553,276. 5 Claims. (Cl. 7—16.)

1. As a new article of manufacture, a casing for holding both a knife and a comb, a comb-carrying case pivotally mounted on said casing, and a knife-holding

case inserted in one side of said casing and including a spring element having its free end engaging the shank



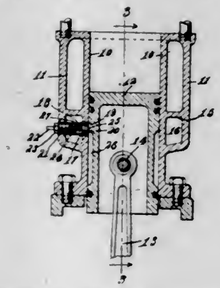
of the knife to control its operation, the first-named casing having a slot through which the knife may open.

1,510,421. BEAD BRACELET OR EARRING AND METHOD OF MAKING SAME. CHARLES H. SHERMAN, North Attleboro, Mass. Filed Apr. 15, 1922. Serial No. 553,277. 3 Claims. (Cl. 63—2.)



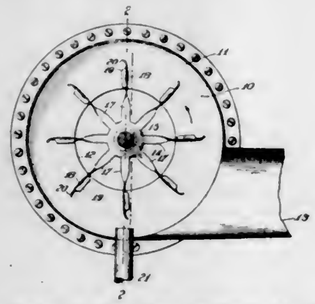
2. In a bead bracelet or earring, the combination of a flexible wire strand, a metal bead affixed to one end of said strand, the metal bead having an opening positioned opposite the portion of the bead which is affixed to the end of the strand, beads of other material strung on the strand, a hook formed in the other end of the strand, said hook being engageable on the inner edge of the bead adjacent to the opening to secure the bracelet or earring together.

1,510,422. LUBRICATING DEVICE. CLEMENS H. STEINBRECHER, Quincy, Ill. Filed Jan. 13, 1922. Serial No. 528,904. 2 Claims. (Cl. 74—108.)



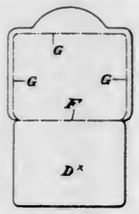
1. The combination with a cylinder and a piston operating therein, of a lubricant reservoir, a valve casing extending across the oil reservoir having one end secured within an opening provided in the cylinder, said casing also having an opening therein for communication with the reservoir, a valve seat at the inner end of the casing and having a port for communication with the lubricant reservoir and a spring actuated valve extending within the cylinder and normally engaging the valve seat and means extending from the valve within the cylinder for engagement by the piston, whereby a predetermined quantity of lubricant will be admitted to the cylinder from the reservoir.

1,510,423. COMBUSTIBLE-MIXTURE-FORMING DEVICE. HUDSON A. TEDMAN, Galesburg, Ill., assignor to Winslow Boiler & Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1920. Serial No. 400,280. Renewed Mar. 10, 1924. 3 Claims. (Cl. 158—77.)



2. In a device of the class described, a cylindrical casing having an air-inlet in one side and a tangential outlet in its lower portion, an oil supply pipe adjacent said outlet, a rotatable shaft, a plurality of fan blades on the shaft having forwardly-facing spoon-shaped beater-heads formed at their ends and provided with wings on the sides of their concave portions.

1,510,424. X-RAY-FILM CARRIER. SINCLAIR TOUSEY, New York, N. Y. Filed Feb. 10, 1919. Serial No. 275,988. 6 Claims. (Cl. 250—34.)



1. An X-ray film carrier of impressionable material having comparatively narrow edge portions turned upon itself to hold the film leaving one face bounded by said turned edge, a suitable substance overlying the film and protecting it on the latter face of the carrier, said carrier having a finger piece at and projecting relative to its narrow edge which when pulled upon will open the carrier.

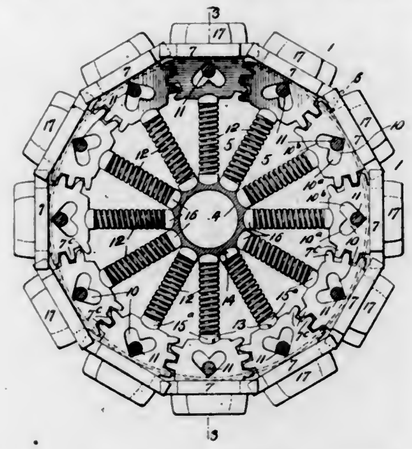
1,510,425. PROCESS FOR THE PRODUCTION OF ETHYLESTERS OF HALOGEN SULPHONIC ACIDS. WILHELM TRAUBE, Berlin, Germany. Filed June 28, 1920. Serial No. 392,440. 8 Claims. (Cl. 260—98.)

4. A process for the production of ethylesters of halogen-sulphonic acid by treating this acid with ethylene consisting in bringing into contact with halogensulphonic acid while cooling, gases that contain ethylene in a very diluted state only.

1,510,426. WHEEL. HERMAN TYD, Valley Stream, N. Y., assignor of one-half to Henry Semke, Lynbrook, Long Island, N. Y. Filed May 6, 1921. Serial No. 467,502. 7 Claims. (Cl. 305—13.)

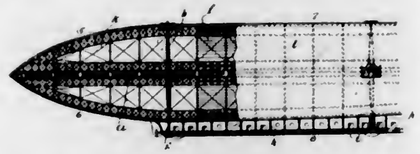
1. A wheel for vehicles and the like comprising a wheel body having a traction surface composed of a series

of track sections each independently connected with the wheel body and each having a plurality of teeth at each end, the teeth on adjacent ends of said track sections



having at all times an intermeshing engagement with each other to move the track sections gradually into alignment as they contact with the ground and to prevent clattering.

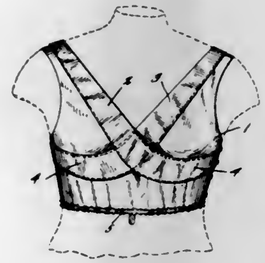
1,510,427. RIGID AIRSHIP. GUSTAV UNGER, Hannover, Germany. Filed Jan. 14, 1924. Serial No. 686,144. 2 Claims. (Cl. 244—6.)



1. A rigid air-ship, comprising, in combination, a channel-forming central longitudinal structure; cross-shaped structures connected at their centre parts with said longitudinal structures; double annular circumferential structures connected with the outer ends of said cross-shaped structures, one annulus of each pair of these structures being located inside the other one; lateral outer structures projecting beyond some of said circumferential structures and forming elongations of some of the horizontal members of said cross-shaped structures and being adapted to carry the propellers and the motors; downwardly extending structures projecting also beyond some of said circumferential structures and forming elongations of some of the vertical members of said cross-shaped structures and being adapted to carry the structure supporting the cabins; wires connecting the inner annuli of the said circumferential structures with each other, and wires connecting their outer annuli with each other; gas-bags housed in the gas-cell forming compartments formed by, and located between, said structural parts of the air-ship body, except said outer wires; and an envelope enclosing these parts and being supported also by the said outer wires, substantially as set forth.

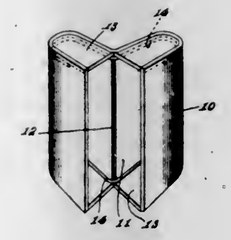
1,510,428. BRASSIÈRE. AGNES VOLIVA, Portland, Oreg., assignor to Bank of Italy of San Francisco, trustee, San Francisco, Calif., a Corporation of California. Filed Aug. 14, 1923. Serial No. 657,395. 1 Claim. (Cl. 2—42.)

A garment of the class described comprising a body member shaped to fit the upper portion of the wearer's body and having breast supports in the form of straps extending continuously throughout the body structure of the garment, each strap extending in said body structure from one shoulder down under the opposite breast and up across the back of the said shoulder, the portion of each strap extending under the breast being curved to conform to the shape of the breast and the rear portions of



the straps being crossed and secured together at said crossed portions, the front portions of the straps being crossed and secured together between the breasts, said body member extending about the waist and below said strap, said body member having a closure at one side under the arm intersecting one of said straps for positioning and removal of the garment.

1,510,429. CIGARETTE CASE. CHARLES N. WATSON, St. Joseph, Mo., assignor of one-fourth to Charles Curtis Wright, St. Joseph, Mo. Filed Mar. 7, 1923. Serial No. 623,478. 1 Claim. (Cl. 206—41.)

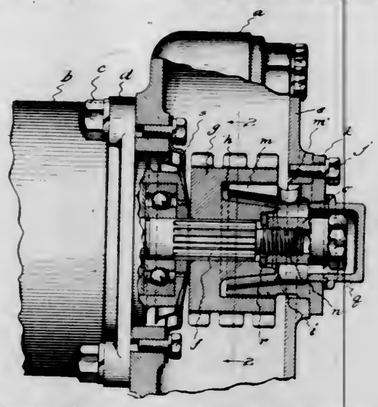


A receptacle of the character described including a single sheet of flexible material adapted to form the back, front and sides of a receptacle, and end members secured to the edges of said sheet to define the ends of the receptacle, said sheet being bendable along a line opposite the meeting edges whereby to effect opening of the receptacle, and an open loop like spring conformingly fitting within each end of the receptacle for assisting in holding the same closed, the spring traversing the line of bending and having its ends terminating near the meeting edges.

1,510,430. SPROCKET MOUNTING. D'ORSAY MCCALL WHITE, Detroit, Mich. Filed Dec. 10, 1923. Serial No. 679,618. 11 Claims. (Cl. 74—56.)

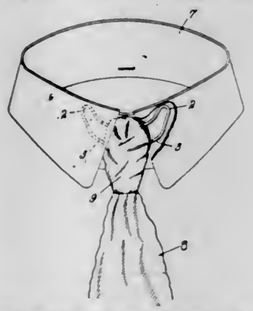
1. In an automobile power plant, the combination of a housing, a rotating member, an operative unit provided with a shaft adapted to slidably engage in the hub of the

rotating member in driving relation, a flexible driving element passing over the rotating member, and means in



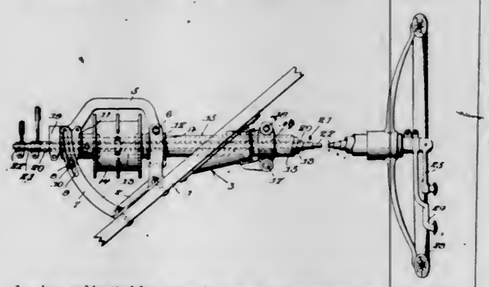
said housing for supporting such rotating member in its proper position when the shaft is withdrawn from the rotating member.

1,510,431. NECKTIE HOLDER. ROBERT WIRZ, Milwaukee, Wis. Filed Dec. 1, 1922. Serial No. 604,328. Renewed Aug. 21, 1924. 2 Claims. (Cl. 24—56.)



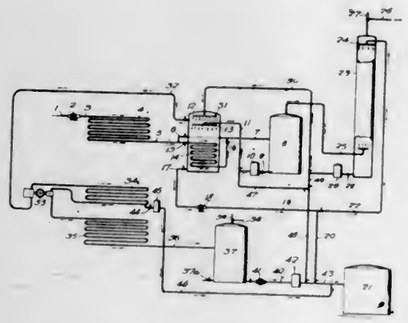
1. As a new article of manufacture, a necktie holder comprising a major portion of wire including a dished top bar, lower bars joined through bights to the ends of the top bar and extending inwardly from said bights to points below and adjacent to the central portion of the top bar and having loops at their inner ends, and pendent yoke portions into which the said loops merge, and a central solid body of solder through the medium of which the latter loops and the central portion of the top bar are fixedly connected together.

1,510,432. STEERING GEAR. PAUL B. WOHLRAB, Racine, Wis. Filed Oct. 1, 1923. Serial No. 665,978. 4 Claims. (Cl. 114—160.)



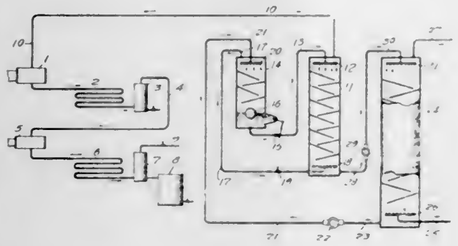
1. An adjustable steering gear comprising a bracket having front and rear standards, a bearing yoke pivotally mounted attached to the rear standard and adjustably attached to the front standard, a pair of bearings carried by said yoke, a steering post journaled in said bearings, and a steering drum fixed to said post between the bearings.

1,510,433. RECOVERING GASOLINE. FRED E. HOSMER, Shreveport, La. Filed May 4, 1922. Serial No. 558,329. 6 Claims. (Cl. 196—7.)



1. In the recovery of gasoline from gas the process which comprises compressing and cooling the gas, separating the condensate formed from the residual gas, evaporating high volatile oils from the condensate to form a residue of low volatile oils and scrubbing the residual gas with the said low volatile oils.

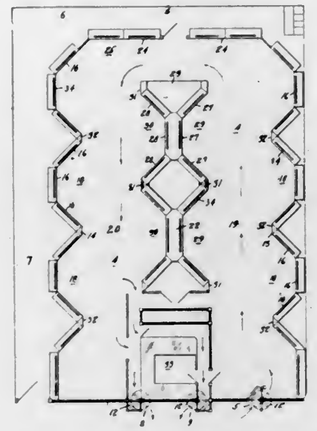
1,510,434. PROCESS OF RECOVERING GASOLINE. FRED E. HOSMER, Shreveport, La. Filed June 6, 1923. Serial No. 643,743. 2 Claims. (Cl. 196—8.)



1. In the recovery of gasoline from natural gas and the like by scrubbing with oil, the process of recovering gasoline from the charged oil which comprises subdividing such oil to offer extensive surfaces at or near atmospheric pressure, collecting evolved vapors and gases, again subdividing the oil at a pressure materially below atmospheric and transmitting said evolved vapors and gases in countercurrent to said oil in the second subdividing.

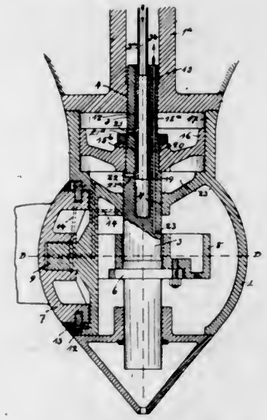
1,510,435. APPARATUS FOR VENDING MERCHANDISE. EDWIN W. TRAPP, San Francisco, Calif., assignor, by mesne assignments, to Jenny Wren Stores, Inc., San Francisco, Calif., a Corporation of Delaware. Filed July 23, 1921. Serial No. 487,157. 6 Claims. (Cl. 211—8.)

4. In a self-serving store the combination with a lobby provided with entrance and exit gates and checkers' stands, of shelves on opposite sides of the store in the rear of the checkers' stands and arranged in zig-zag fashion from front to rear of the store along the sides



thereof and enclosing an open space forming a salesroom, the shelves being so arranged that they are presented to view of the checkers and a greater length of shelf room is provided.

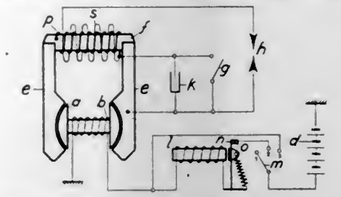
1,510,436. HUB FOR IMPELLERS WITH TURNABLE VANES. JOHN ELOV ENGLESSON, Kristinehamn, Sweden. Filed Mar. 14, 1923. Serial No. 624,938. 28 Claims. (Cl. 170—163.)



1. In water turbine impellers of the character described the combination with adjustably turnable vanes, a hub for same, a mainshaft, a hollow cylinder connected to the shaft and thus rotating with same, a piston movable in said cylinder and operatively connected with said vanes, fluid means for operating said piston and distributing means for said fluid in said piston.

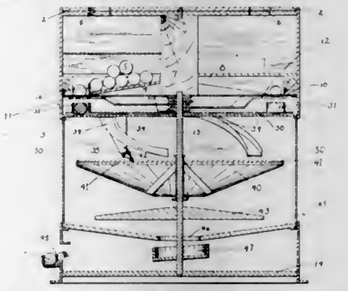
1,510,437. ELECTRIC IGNITION APPARATUS FOR INTERNAL-COMBUSTION ENGINES. JACQUES BOHLI, Solothurn, Switzerland, assignor to the Firm Scintilla, Solothurn, Switzerland. Filed Apr. 1, 1924. Serial No. 703,561. 3 Claims. (Cl. 123—148.)

1. An electric ignition apparatus for internal-combustion engines including a pair of yoke members, a stationary iron core connecting said yoke members and on which are mounted the usual primary and secondary windings, a make and break device operated mechanically by the engine and associated in the usual manner with



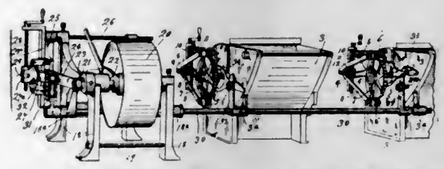
said primary winding, a sparking plug in series with said secondary winding, an iron rotor and an electric circuit comprising in series connection a magnetizing coil on said rotor, a battery and a buzzer.

1,510,438. COIN-CONTROLLED VENDING AND GAME DEVICE. HENRY OSGOOD NOYES and BLAINE KITZMILLER, Oakland, Calif.; said Kitzmiller assignor to said Noyes. Filed Apr. 16, 1923. Serial No. 632,309. 8 Claims. (Cl. 194—1.)



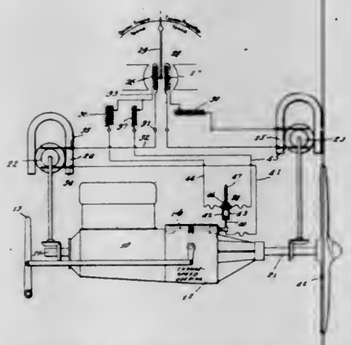
1. In a device of the character described, the combination of a receptacle divided into compartments for displaying articles of merchandise on sale, separate coin-controlled mechanisms for placing in playable position one of the number of articles contained in each compartment, actuating means for releasing into play simultaneously with each other all articles previously placed in playable position, and a baffle for irregularly retarding the delivery of the articles released in order to render it impossible to predetermine which one from among them will first emerge from the body of the device.

1,510,439. TRANSMISSION MECHANISM FOR FEEDERS CONNECTED IN A GANG. EMIL R. DRAVER, Richmond, Ind., assignor to B. F. Gump Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1918. Serial No. 242,812. 14 Claims. (Cl. 83—44.)



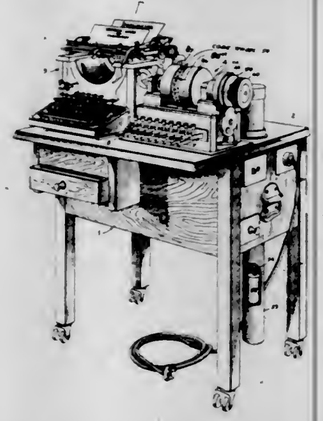
1. An apparatus for proportionately feeding different fine or granular materials comprising a battery of feeding devices, each constituting a separate machine unit having a feeding mechanism, a single rotatable driving mechanism, an oscillating means driven by said rotatable driving mechanism extending to all of said feeding devices and independently variable means connecting said oscillating means with each of said feeding mechanisms for operating the latter, and means for varying the degree of oscillation of said oscillating means.

1,510,440. CHANGE-SPEED INDICATOR. NORMAN H. GILMAN, Indianapolis, Ind., assignor to Allison Engineering Co., Indianapolis, Ind., a Corporation of Indiana. Filed June 22, 1923. Serial No. 647,161. 7 Claims. (Cl. 235—103.5.)



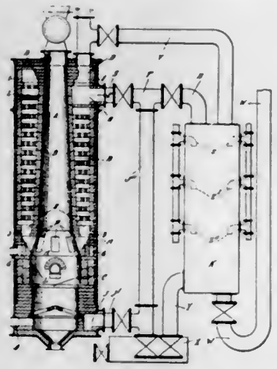
1. In combination, two members to be interconnected, a change-speed gearing between said two members for connecting them in a plurality of different gear ratios, pressure-producing devices connected to said two members to be driven thereby, and a measuring device having two elements acting in opposition and arranged to be subjected to pressures created by two pressure-producing devices connected to said two members.

1,510,441. ELECTRIC CODING MACHINE. EDWARD H. HEBERN, Oakland, Calif., assignor to H. & H. Patent Developing Company, Oakland, Calif. Filed Mar. 31, 1921. Serial No. 457,419. 21 Claims. (Cl. 197—4.)



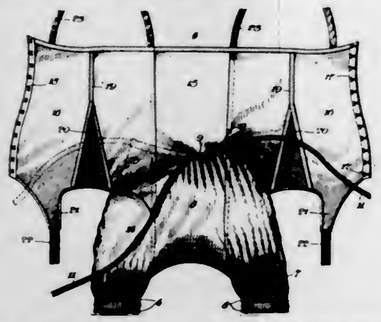
1. A coding and decoding machine comprising a plurality of circular series of stationary contacts arranged in the same fortuitous order, a circuit changing device including a movable member and contacts arranged on the opposite sides of and movable with said member, a plurality of coding keys, and electrically operated printing key actuating means controlled by said coding keys and including the first and second mentioned contacts, the contacts on one side of said movable member being connected with the contacts on the opposite side thereof in complementary pairs so that the operation of a coding key causes the printing of a certain letter through the printing key actuating means while, with the movable contacts in the same position, the operation of a coding key corresponding to the letter so printed will cause the printing of the letter of the first mentioned key.

1,510,442. PROCESS OF MANUFACTURING HYDROGEN OR GASES RICH IN HYDROGEN. JOHN HENRY WEST, Bayswater, London, ARTHUR JAQUES, Waterloo, and CORNELIUS BRITTIFFE TULLY, Newark-on-Trent, England. Filed Jan. 10, 1923. Serial No. 611,733. 5 Claims. (Cl. 48—198.)



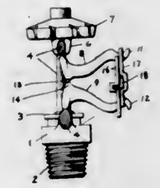
1. A process for the production of hydrogen or gases rich in hydrogen which consists in completely gasifying coal in an intermittent mixed gas generator, taking off from the generator the hot mixture of gases resulting from the complete gasification, the said gases consisting largely of hydrogen and carbon monoxide with some carbon dioxide, subjecting the said mixture of gases while still in the heated condition and without any intermediate cooling to treatment with steam in the presence of a catalyst in a carbon monoxide converter and maintaining a gradual fall of temperature between the two ends of the said converter by introducing a portion of the required amount of steam at or near that end of the converter at which the hot mixture of gases from the generator is admitted and the remainder of the steam required at a plurality of points between the two ends of the converter.

1,510,443. COMBINATION GARMENT. LEON KAHN, Brooklyn, N. Y. Filed May 22, 1923. Serial No. 640,604. 2 Claims. (Cl. 2—71.)



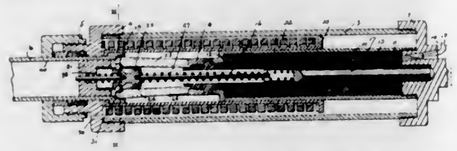
1. A combination garment comprising a body portion and bloomers connected thereto, the front of the bloomers being connected to the front portion of the body and extending from the center of the body at one side to the center of the body at the other side, the back of the bloomers being extended to form a flap which extends upwardly to the waist line of the wearer and substantially the same width as the front where they are joined to the body, means for securing the top of the flap about the waist of the wearer independently of the body of the garment, the back of the body being formed of lateral extensions connected to the body portion and arranged to extend over the hips of the wearer, and means for securing the edges of the extensions to each other at the back.

1,510,444. SPRINKLER HEAD. CURTIS T. CLIFFORD, San Francisco, Calif. Filed Feb. 24, 1919. Serial No. 278,620. 8 Claims. (Cl. 169—42.)



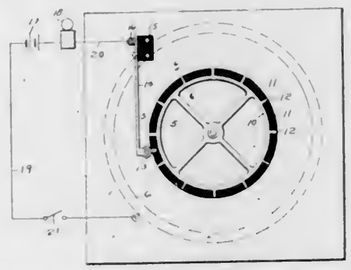
1. A sprinkler head link constructed of two plate members each having a transverse groove at right angles to the proximate faces of the plates and constructed to conform one with one leg and the other with the other leg of an angle bar, and an angle bar disposed in the slots so formed.

1,510,445. BALL-LOCK RELEASE AND SPRING-ACTUATING MECHANISM. GEORGE J. HENRY, San Francisco, Calif., assignor to William H. Avery, San Francisco, Calif. Filed Feb. 14, 1924. Serial No. 692,930. 6 Claims. (Cl. 74—93.)



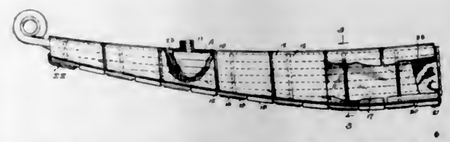
1. In a locking and release device comprising a tubular shell and an enclosed spring, a member extending through said shell and actuated by said spring to move longitudinally with respect to said shell when released, releasing means for said member comprising tumbler means normally locking said member and resting on spherical elements, a spool concentric with said tumblers, spherical elements interposed between the spool and the tumblers, and actuating means to move the thimble whereby the said elements are rolled with respect to the tumblers, enabling the tumblers to move to unlock the member.

1,510,446. BELL RINGER. ADOLPH H. MILLER, Jasper, Minn. Filed May 10, 1923. Serial No. 638,115. 2 Claims. (Cl. 200—37).



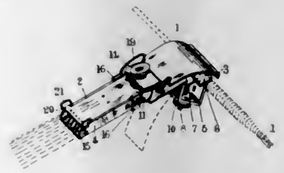
2. A time operated circuit closer comprising relatively fixed and movable contact elements, and a time-piece having its hour indicator provided with an extension in sliding engagement with contact members carried by said stationary element and its minute indicator operating in synchronism with the movable element, the latter consisting of a wheel, an insulating ring mounted on the periphery of the wheel, and uniformly spaced segments inset in the insulating ring and flush with the outer periphery of the latter.

1,510,447. COVER FOR VEHICLE SPRINGS. DENNIS B. D. BLAKE, Quincy, Ill. Filed Feb. 24, 1923. Serial No. 621,022. 3 Claims. (Cl. 267—37.)



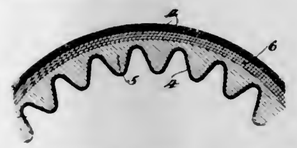
1. In a protective cover for vehicle springs, a shell split longitudinally at the under side, said shell having slots extending from the split or opening in the under side of the shell transversely along the bottom and sides, and additional short slots extending into the bottom portions of the shell from the edges thereof and terminating short of the sides of the shell, said shell, between adjacent slots, presenting tongues, the tongues at one side overlapping material at the opposite side of the split or opening, and a key strip about which alternate tongues are bent.

1,510,448. APPLIANCE FOR PERMANENT HAIR WAVING. ARNOLD H. BONGERS, London, England, assignor of one-half to Gaston Boudon, London, England. Filed Apr. 10, 1923. Serial No. 631,160. 16 Claims. (Cl. 132—31.)



1. An appliance of the kind set forth, comprising a hinged two part clamp device, a passage therethrough for a curler, a second passage thereinto for hair communicating with the first passage, said passages being both rendered accessible by opening of the parts of the clamp to permit a strand of hair attached to a curler being positioned therein, and means in the curler passage for resiliently gripping the curler.

1,510,449. METHOD OF MANUFACTURING MACHINE BELTS. FERDINAND F. BRUCKER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Company of Ohio. Filed Sept. 23, 1921. Serial No. 502,635. 4 Claims. (Cl. 154—4.)

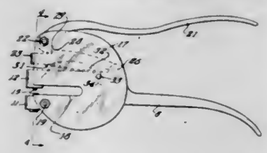


2. The hereindescribed method of making machine belts which consists in supporting an endless strip of bias rubberized fabric so that it will be transversely waved or pleated, filling the exterior recesses formed by said waves or pleats with rubber compound, applying over the surface of said rubber compound rubberized cord tension material, folding the margins of said bias fabric around said tension material and vulcanizing the whole together.

1,510,450. PUNCH. GEORGE H. SPENGLER, Rockford, Ill. Filed Apr. 12, 1923. Serial No. 631,495. 7 Claims. (Cl. 164—120.)

1. A punch comprising, in combination, a stationary handle having formed integrally therewith a lower die-carrying head and an upper punch-guiding head in rigid

relative relation and separated at one end by a material-receiving mouth, a die in the die-carrying head, a punch guided in the punch-guiding head to slide toward and from the die in axial alinement therewith at all times, side plates pivotally connected to the head structure, a movable handle lever interposed between and pivotally



mounted on the side plates, and a punch-operating lever pivotally attached to the stationary handle and operatively engaged at its free end between the punch and said movable handle lever for transmitting punching pressure to the punch by downward movement of the handle lever without disturbing said alinement of the punch and die.

1,510,451. PUNCH. GEORGE H. SPENGLER, Rockford, Ill. Filed Nov. 5, 1923. Serial No. 672,715. 3 Claims. (Cl. 164—120.)

1. A punch of the character described comprising a head having a handle and a punch-carrying part, a punch element slidable in said part, a punch-moving part pivoted on the head and adapted to be swung on its pivot into and out of an operative position to withdraw the punch element from the head when swung to its inoperative position, an operating lever, means connecting said lever to the head and adapted to hold the lever in either operative or inoperative relation to said punch-moving part, in the former of which relation the lever co-operates with said punch-moving part and is adapted to impart



pressure to the punch element, and in the latter it permits swinging of said punch-moving part to its inoperative position, said means having a slot opening, and a stop member connected to the head and passing through said opening for normally holding said means and the operating lever in the said operative relation and being removable from said slot opening for permitting said lever and said means to be moved to said inoperative relation.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Handle Co. of New Jersey, Inc., Jersey City, N. J. Package handle. 188,755; Sept. 2; Serial No. 196,043; published June 17, 1924.

Airmap Corporation of America, New York, N. Y. Photographs. 188,598; Sept. 2; Serial No. 195,088; published May 27, 1924.

Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland. Liquid toilet soap. 188,795; Sept. 2; Serial No. 186,575; published June 24, 1924.

Allen Candy Co., The, Pontiac, Ill. Candy. 188,702; Sept. 2; Serial No. 195,431; published June 24, 1924.

Alpers, L., doing business as L. Alpers Mfg., San Francisco, Calif. Ink remover. 188,882; Sept. 2.

American Bleacher Products Co. (See Redoute, George E.)

American Cotton Association, St. Matthews, S. C. Semi-monthly magazine. 188,837; Sept. 2; Serial No. 194,388; published June 10, 1924.

American Steel Wool Mfg. Co. Inc., New York, N. Y. Steel wool. 188,734; Sept. 2; Serial No. 194,896; published June 10, 1924.

American Watch Import Company, Detroit, Mich. Watch-cases. 188,581; Sept. 2; Serial No. 173,736; published Apr. 24, 1923.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electric suction cleaners. 188,621; Sept. 2; Serial No. 188,518; published June 17, 1924.

Arden, Elizabeth. (See Lewis, Florence N.)

Arkelian, Ben H., & Co., Fresno, Calif. Cantaloupes and fresh grapes. 188,762; Sept. 2; Serial No. 185,647; published Mar. 4, 1924.

Armand Company, The, Des Moines, Iowa. Rouge, lip stick, face powder, etc. 188,894; Sept. 2.

Arnold, Charles, doing business as Arnold's and Chas. Arnold & Sons, Peru, Ind. Candy. 188,702; Sept. 2; Serial No. 196,997; published June 24, 1924.

Atlanta Cleansing Products Co. (See Martle, Robert B.)

Austin Manufacturing Co., Chicago, Ill. Road machines. 188,821; Sept. 2; Serial No. 194,899; published June 24, 1924.

Baldwin Perfumery Co., The, Chicago, Ill. Perfumes, toilet waters, face cream, etc. 188,606; Sept. 2; Serial No. 194,972; published June 17, 1924.

Baldwin Perfumery Co., The, Chicago, Ill. Perfumes, toilet waters, rouges, etc. 188,736; Sept. 2; Serial No. 194,771; published June 24, 1924.

Ballou, B. A., & Co., Inc., Providence, R. I. Collar buttons. 188,603; Sept. 2; Serial No. 195,044; published June 17, 1924.

Banker, R. C., & Company, Detroit, Mich. Periodical. 188,682; Sept. 2; Serial No. 196,327; published June 17, 1924.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 188,643; Sept. 2; Serial No. 192,056; published June 24, 1924.

Barnsdall Tripoli Products Corporation, New York, N. Y. Cleaning, scouring, and polishing composition. 188,815; Sept. 2; Serial No. 195,151; published June 10, 1924.

Bartlett, Robert E., New Glarus, Wis. Medicinal preparation. 188,747; Sept. 2; Serial No. 196,643; published June 17, 1924.

Bastiani, Martin P., doing business as Mission Pharmacal Co., San Francisco, Calif. Plasters. 188,835; Sept. 2; Serial No. 194,322; published June 17, 1924.

Bedney, Boris M., doing business as The Buyer's Secretary, New York, N. Y. Periodic publication. 188,842; Sept. 2; Serial No. 194,586; published June 10, 1924.

Beeler & Jarrett, Akron, Ohio. Medicine for headache, grippe, etc. 188,646; Sept. 2; Serial No. 192,751; published June 24, 1924.

Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y. Babbitt metals, brass and bronze ingots, etc. 188,919; Sept. 2.

Belyea, James A., M. D., doing business as Southern California Analytical Laboratory, Glendale, Calif. Medicines. 188,793; Sept. 2; Serial No. 194,155; published June 17, 1924.

Benedict, T. N., Mfg. Co., East Syracuse, N. Y. Silver-plated table and hollow ware and articles plated with precious metals. 188,589; Sept. 2; Serial No. 167,671; published Sept. 4, 1923.

Bennett, David A., Chicago, Ill. Chemical preparation for the treatment of the skin. 188,730; Sept. 2; Serial No. 196,150; published June 17, 1924.

Berg Brothers, New York, N. Y. Narrow elastic webbing, bias tape, combs, etc. 188,622; Sept. 2; Serial No. 188,177; published June 10, 1924.

Bickmore Company, The, Old Town, Me. Ointments, hair dressing, cold creams, etc. 188,885; Sept. 2.

Biflex Products Company, North Chicago, Ill. Automobile bumpers and parts thereof. 188,708; Sept. 2; Serial No. 191,744; published May 27, 1924.

Biggar, W. M., & Co., New York, N. Y. Mohair in the piece. 188,751; Sept. 2; Serial No. 196,419; published June 24, 1924.

Bird Machine Company, South Walpole, Mass. Belt-power-transmission apparatus and parts thereof. 188,642; Sept. 2; Serial No. 192,005; published June 24, 1924.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Jellies, jams, fruit butters, etc. 188,870; Sept. 2.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 188,684; Sept. 2; Serial No. 196,328; published June 24, 1924.

Boak, R. B., Company, The, Chicago, Ill. Fish in tins. 188,700; Sept. 2; Serial No. 194,332; published June 24, 1924.

Bowles, Frank A., also doing business as Bowles Bros., Los Angeles, Calif. Cooking oil. 188,583; Sept. 2; Serial No. 171,897; published Sept. 18, 1923.

Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 188,693; Sept. 2; Serial No. 196,507; published June 24, 1924.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and wool fabrics and mixtures of the same. 188,786; Sept. 2; Serial No. 193,803; published Apr. 29, 1924.

Bradford Motor Works, Bradford, Pa. Oil-well working barrels. 188,676; Sept. 2; Serial No. 195,859; published June 24, 1924.

Brantly, E. Brook, and W. E. Norwell, jr., Chattanooga, Tenn. Cushions. 188,632; Sept. 2; Serial No. 189,445; published June 10, 1924.

Bridgeport Stone Co., The, Bridgeport, Conn. Anti-freeze cement ingredient. 188,833; Sept. 2; Serial No. 194,253; published June 10, 1924.

Bristol Industries, Inc., New York, N. Y. Ash trays. 188,890; Sept. 2.

Brogdon, James A., San Francisco, Calif. Tooth paste and mouth wash. 188,838; Sept. 2; Serial No. 194,393; published June 17, 1924.

Building Age and The Builders' Journal, New York, N. Y. Monthly magazine. 188,633; Sept. 2; Serial No. 188,886; published June 10, 1924.

Burnham, Frederick S., doing business as Stork Chemical Company, Boston, Mass. Liquid medicinal compound. 188,713; Sept. 2; Serial No. 192,754; published June 17, 1924.

Burton, J. P., Coal Company, The, Cleveland, Ohio. Coal, carbonized fuel, and coke. 188,840; Sept. 2; Serial No. 194,524; published June 17, 1924.

Button, George W., Corp., New York, N. Y. Perfumes. 188,710; Sept. 2; Serial No. 192,305; published June 17, 1924.

Buyer's Secretary, The. (See Bedney, Boris M.)

Caldwell, Ida M., Baltimore, Md. Salve. 188,674; Sept. 2; Serial No. 195,152; published June 17, 1924.

Caldwell Manufacturing Company, The, Columbus, Ohio. Play pens. 188,773; Sept. 2; Serial No. 195,210; published June 10, 1924.

Carrosserie Van Den Plas, Société Anonyme, Brussels, Cinquantenaire, Belgium. Motor-car bodies, parts, and accessories. 188,618–9; Sept. 2; Serial Nos. 177,829–30; published June 17, 1924.

Carson Pirie Scott & Co., Chicago, Ill. Cotton bats. 188,677; Sept. 2; Serial No. 195,942; published June 24, 1924.

Carson Pirie Scott & Co., Chicago, Ill. Sateens and linings in the piece. 188,678; Sept. 2; Serial No. 195,943; published June 24, 1924.

Carson Pirie Scott & Co., Chicago, Ill. Cotton bats. 188,679–80; Sept. 2; Serial Nos. 195,945–6; published June 24, 1924.

Cee-Dee Mfg. Co., New York, N. Y. Stuffing-box packing. 188,578; Sept. 2; Serial No. 174,125; published June 3, 1924.

Cee-Dee Mfg. Co., New York, N. Y. Stuffing-box packing. 188,579–80; Sept. 2; Serial Nos. 173,995–6; published June 10, 1924.

Chandless & Co., Inc., Millbrook and New York, N. Y. Bristles, calfskins, camel's hair and wool, raw cotton, etc. 188,766; Sept. 2; Serial No. 195,489; published June 17, 1924.

Chelten Electric Company, Philadelphia, Pa. Variable condensers. 188,612; Sept. 2; Serial No. 194,908; published June 17, 1924.

Chemische Fabrik "Norgine," Aussig-on-the-Elbe, Czechoslovakia. Pharmaceutical preparations for human use and veterinary purposes. 188,841; Sept. 2; Serial No. 194,528; published June 10, 1924.

Chinburg, Edward G., doing business as Sifford Hog Remedy Co., Craig, Nebr. Hog remedies. 188,698; Sept. 2; Serial No. 178,223; published June 24, 1924.

Chloride "C. P." Co., McNeill, Miss. Dog medicines. 188,739; Sept. 2; Serial No. 192,601; published June 24, 1924.

Christiance, Harry C., doing business as Harry C. Christiance Co., Compton, Ill. Fistula and poll-evil remedy. 188,726; Sept. 2; Serial No. 196,293; published June 17, 1924.

City Ice & Fuel Company, The, Cleveland, Ohio. Carbonized fuel and coke. 188,593; Sept. 2; Serial No. 159,696; published June 17, 1924.
Clam Bake Co., The. (See Maybaum, Edward F.)
Clements Mfg. Co., Chicago, Ill. Electric vacuum cleaners, blowers, and suction apparatus and parts thereof. 188,809; Sept. 2.
Coated Textile Mills, Inc., Providence, R. I. Coated textile fabrics. 188,705; Sept. 2; Serial No. 191,427; published June 17, 1924.
Cohane, Sylvester T., doing business as Park Mfg. Co., Hartford, Conn. Telephone silencers. 188,614; Sept. 2; Serial No. 184,122; published Dec. 18, 1923.
Cohen, Louis, New York, N. Y. Mattresses, bed springs, box springs, and pillows. 188,803; Sept. 2; Serial No. 194,258; published June 24, 1924.
Colotone Laboratories, Griffin, Ga. Medicine. 188,638; Sept. 2; Serial No. 182,702; published June 17, 1924.
Columbia Tire and Rubber Company, The, Mansfield, Ohio. Inner tubes, tires. 188,615; Sept. 2; Serial No. 185,108; published May 27, 1924.
Constructive Publishing Corporation, New York, N. Y. Monthly magazine. 188,673; Sept. 2; Serial No. 195,157; published June 17, 1924.
Cook Laboratories, Inc., Chicago, Ill. Ampuls or carpules containing medicaments. 188,861; Sept. 2.
Crescent Belt Fastener Company, New York, N. Y. Belt-fastening plates, laces, etc. 188,719; Sept. 2; Serial No. 192,962; published June 10, 1924.
Crocker Chair Company, Sheboygan, Wis. Toilet seats. 188,916–17; Sept. 2.
Dawson Manufacturing Co. (See Stallings, Ernest E.)
Dearborn Chemical Company, Chicago, Ill. Cleaner. 188,806 Sept. 2; Serial No. 195,871; published June 24, 1924.
Deecy Products Company, Cambridge, Mass. Soap and oils and compounds thereof. 188,744; Sept. 2; Serial No. 180,329; published June 10, 1924.
Defiance Manufacturing Company, Rochester, N. Y. Check protectors. 188,906; Sept. 2.
De Laney, James, West Palm Beach, Fla. Preparation for use in treating ringworm, ground itch, etc. 188,856; Sept. 2.
Delaware Coca-Cola Bottling Company, Wilmington, Del. Beverages sold as soft drinks. 188,857; Sept. 2.
Delaware Hard Fibre Company, Marshallton, Del. Hard or vulcanized fiber. 188,864; Sept. 2.
Delta Tau Delta Fraternity, New York, N. Y. News and literary publication. 188,826; Sept. 2; Serial No. 194,337; published June 10, 1924.
Denison Interlocking Tile Corporation, The, Cleveland, Ohio. Hollow building blocks or tiles. 188,892; Sept. 2.
De Roy, S. H., & Company, Pittsburgh, Pa. Watches and watch parts. 188,760; Sept. 2; Serial No. 195,805; published June 17, 1924.
Devoe & Raynolds Co., Inc., New York, N. Y. Liquid wax. 188,867; Sept. 2.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Vulcanized fiber. 188,752; Sept. 2; Serial No. 196,335; published June 17, 1924.
Dodge, Horace E., Boat Works, Detroit, Mich. Motor boats. 188,724; Sept. 2; Serial No. 193,160; published June 10, 1924.
Dolan & Bullock, Providence, R. I. Collar pins, lingerie clasps, etc. 188,722; Sept. 2; Serial No. 193,096; published June 17, 1924.
Domestic Stoker Company, New York, N. Y. Electric automatic stokers. 188,711; Sept. 2; Serial No. 192,522; published June 17, 1924.
Domino House. (See Sullivan, Marguerite, assignor.)
Douglas & Burns, Ltd., Des Moines, Iowa. Powder used in food beverages or cooking. 188,588; Sept. 2; Serial No. 168,402; published Sept. 11, 1923.
Downs Mills, doing business as The Fiddle Manufacturing Company, Savannah, Ga. Insecticides. 188,697; Sept. 2; Serial No. 175,434; published June 24, 1924.
Drug Products Co. Inc., The, Long Island City, N. Y. Combination of desiccated hypophysis cerebri and epinephrin used in the treatment of asthma, etc. 188,686; Sept. 2; Serial No. 196,371; published June 17, 1924.
Drug Products Co. Inc., The, Long Island City, N. Y. Uncoated pulverous tablets for diabetes. 188,687; Sept. 2; Serial No. 196,372; published June 17, 1924.
Duluth Sausage Company, Duluth, Minn. Sausage, link sausage, and sausage paddies. 188,740; Sept. 2; Serial No. 192,313; published Apr. 1, 1924.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 188,688; Sept. 2; Serial No. 196,374; published June 24, 1924.
Electro-Metallic Products Corporation, Newark, N. J. Illuminated electric signs and electric-lighting systems for show cases. 188,717; Sept. 2; Serial No. 192,904; published June 17, 1924.
Ellsworth, Julia E., doing business as Shimmering Twilight Silver Cleaner Co., Raton, N. Mex. Preparation for cleaning silver and aluminum ware. 188,822; Sept. 2; Serial No. 194,855; published June 10, 1924.
Empire Mattress Company, Chicago, Ill. Comforters and furniture loading pads. 188,652; Sept. 2; Serial No. 193,329; published June 24, 1924.
Everett Fruit Products Company, Everett, Wash. Canned berries, fruits, and vegetables. 188,699; Sept. 2; Serial No. 194,170; published June 24, 1924.
Fairfacts Company, Inc., The, New York, N. Y. Bath-room fixtures. 188,805; Sept. 2; Serial No. 195,809; published June 24, 1924.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Hair tints. 188,756; Sept. 2; Serial No. 196,013; published June 17, 1924.
Farmer, James F., doing business as James F. Farmer Chemical Mfg. Co., Memphis, Tenn. Medicines for rheumatism, indigestion, female weakness, and malaria. 188,635; Sept. 2; Serial No. 174,431; published June 17, 1924.
Fiddle Manufacturing Company, The. (See Downs Mills.)
Filbert, Calvert B., New Orleans, La. Pavements or roadways and paving material. 188,714; Sept. 2; Serial No. 192,824; published June 24, 1924.
Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 188,831; Sept. 2; Serial No. 193,513; published June 24, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 188,667; Sept. 2; Serial No. 195,381; published June 24, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 188,668; Sept. 2; Serial No. 195,379; published June 24, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 188,689; Sept. 2; Serial No. 196,380; published June 24, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 188,769–70; Sept. 2; Serial Nos. 195,350–1; published June 24, 1924.
Foster Machine Company, Westfield, Mass. Cone and tube winders and gassing machines. 188,655; Sept. 2; Serial No. 195,813; published June 24, 1924.
Fourth Estate Publishing Company, The, New York, N. Y. Publication. 188,813; Sept. 2; Serial No. 197,243; published June 24, 1924.
Fox, Fontaine, New York, N. Y. Series of cartoons. 188,651; Sept. 2; Serial No. 193,098; published June 10, 1924.
Frank, William, New York, N. Y. Cleaner for metals, porcelain, etc. 188,804; Sept. 2; Serial No. 195,167; published June 24, 1924.
Frederick Iron and Steel Company, The, Frederick, Md. Paper-mill pumps. 188,839; Sept. 2; Serial No. 194,399; published June 3, 1924.
Frederikson, Cornelius, Brooklyn, N. Y. Etching ink. 188,874; Sept. 2.
Freed-Eisemann Radio Corporation, Brooklyn, N. Y. Complete radio receiving sets and parts therefor. 188,898; Sept. 2.
Friedrichs, E. H. & A. C., Co., New York, N. Y. Artists' canvases. 188,623; Sept. 2; Serial No. 88,050; published June 17, 1924.
Frost, Herbert H., Chicago, Ill. Radio apparatus. 188,586–7; Sept. 2; Serial Nos. 170,132–3; published June 17, 1924.
Fuchs, Joseph J., doing business as Tourists Pride Manufacturing Co., Minneapolis, Minn. Rubber repair outfits. 188,709; Sept. 2; Serial No. 192,250; published June 10, 1924.
Fulford Mfg. Co., Providence, R. I. Snap fasteners. 188,778; Sept. 2; Serial No. 193,390; published June 10, 1924.
Genesee Chemical Company. (See Walker, Edward C., 3d.)
Gibbs, Malcolm G., Washington, D. C. Medical preparation for coughs and colds. 188,875; Sept. 2.
Gill Manufacturing Company, Chicago, Ill. Piston rings. 188,585; Sept. 2; Serial No. 171,075; published June 17, 1924.
Glasco Electric Co., St. Louis, Mo. Publication. 188,665; Sept. 2; Serial No. 195,512; published June 17, 1924.
Good, James, Inc., Wilmington, Del., and Philadelphia, Pa. Miscible oil used as an insecticide and fungicide. 188,742; Sept. 2; Serial No. 189,501; published Feb. 5, 1924.
Gorham Tool Company, Detroit, Mich. Tool bits, milling cutters, rotary saws, etc. 188,923; Sept. 2.
Greetrite, Inc., New York, N. Y. Cards, post cards, and greetings. 188,801; Sept. 2; Serial No. 192,528; published June 24, 1924.
Grigsby-Grunow-Hinds Co., Chicago, Ill. Automobile visors. 188,584; Sept. 2; Serial No. 171,494; published May 27, 1924.
Gruen Watch Company, The, Cincinnati, Ohio. Watches. 188,922; Sept. 2.
Guaranteed Products, Inc., doing business as The Swedish Shampoo Laboratories, New York, N. Y. Shampoo. 188,727; Sept. 2; Serial No. 196,244; published June 17, 1924.
H. S. Manufacturing Co. (See Schmidt, Charles.)
Haan, Rudolph M., New York, N. Y. Chocolates and bonbons. 188,910–14; Sept. 2.
Hall, S. R., & Co., Inc., New York, N. Y. Silk piece goods. 188,647; Sept. 2; Serial No. 192,768; published June 24, 1924.
Hally-Smith, Daniel, Paris, France. Dentifrices. 188,628; Sept. 2; Serial No. 191,020; published June 24, 1924.
Hance Brothers & White, Incorporated, Philadelphia, Pa. Remedy for acid stomach, etc. 188,694; Sept. 2; Serial No. 196,520; published June 17, 1924.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick and refractory cements. 188,715; Sept. 2; Serial No. 192,836; published June 10, 1924.
Harrisburg Colliery Company, Chicago, Ill. Coal. 188,794; Sept. 2; Serial No. 194,187; published June 17, 1924.
Hawes, Elmer E., New York, N. Y. Canvas pulley covering. 188,660; Sept. 2; Serial No. 195,686; published June 24, 1924.
Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes and all leather articles. 188,871–2; Sept. 2.
Higrade Tent & Duck Co., The, Los Angeles, Calif. Tents, awnings, and paulins. 188,902; Sept. 2.
Hilgers, John, Binghamton, N. Y. Nail powders, creams, and bleaches, cuticle removers, etc. 188,733; Sept. 2; Serial No. 196,115; published June 17, 1924.
Hind & Harrison Plush Company, The, Clark Mills and New York, N. Y. Plushes in the piece. 188,685; Sept. 2; Serial No. 196,342; published June 24, 1924.
Hirsch Brothers Co., Chicago, Ill. Cake mix. 188,881; Sept. 2.
Hoar Shovel Company, Duluth, Minn. Mechanical shovels. 188,915; Sept. 2.
Holbrook, W. H., Company, Boston, Mass. All-wool textile-piece goods. 188,641; Sept. 2; Serial No. 191,018; published June 24, 1924.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 188,659; Sept. 2; Serial No. 195,746; published June 24, 1924.
Home Remedies. (See Little-Noss, Margaret.)
Honeywell Heating Specialties Company, The, Wabash, Ind. Temperature and draft regulating and controlling instruments. 188,577; Sept. 2; Serial No. 175,395; published Sept. 11, 1923.
House Beautiful Publishing Company, The, New York, N. Y., and Boston, Mass. Periodical. 188,690; Sept. 2; Serial No. 196,389; published June 17, 1924.
Huber, J. M., Inc., Bayonne, N. J., and New York, N. Y. Printing inks. 188,716; Sept. 2; Serial No. 192,839; published June 17, 1924.
Hunt Brothers Packing Company, San Francisco, Calif. Canned vegetables and fish, dried fruits. 188,920; Sept. 2.
Huntington Rubber Mills, Portland, Oreg. Retreaded automobile tires. 188,582; Sept. 2; Serial No. 171,919; published June 10, 1924.
Ingels, James, Springfield, Ill. Spark plugs. 188,903; Sept. 2.
Insurance Pictorial, San Francisco, Calif. Publication. 188,691; Sept. 2; Serial No. 196,390; published June 17, 1924.
International Braid Company, Providence, R. I. Shoe, corset, underwear, and blouse lacings, galloons, and braids. 188,605; Sept. 2; Serial No. 194,997; published June 10, 1924.
International Braid Company, Providence, R. I. Lacings, galloons, and braids 188,847; Sept. 2; Serial No. 194,799; published June 10, 1924.
International Braid Company, Providence, R. I. Shoe, corset, underwear, and blouse lacings, galloons, and braids. 188,850; Sept. 2; Serial No. 194,870; published June 10, 1924.
International Motor Company, New York, N. Y. Universal joints. 188,909; Sept. 2.
Iroquois Famous Indian Remedies, Inc., New York, N. Y. Indian herb tea. 188,851; Sept. 2; Serial No. 194,872; published June 17, 1924.
Irving Iron Works Company, Long Island City, N. Y. Metal gratings for floorings and staircases. 188,712; Sept. 2; Serial No. 192,573; published June 10, 1924.
Jaquet, Daniel, doing business as Parfums Fontanis, Neuilly-sur-Seine, France. Toilet preparations. 188,848–9; Sept. 2; Serial Nos. 194,801–2; published June 17, 1924.
Jay-Thorpe, Inc., New York, N. Y. Perfumes. 188,741; Sept. 2; Serial No. 192,178; published June 24, 1924.
Jewell Electrical Instrument Co., Chicago, Ill. Electrical measuring instruments. 188,645; Sept. 2; Serial No. 192,574; published June 24, 1924.
Johnson, Aaron E., doing business as Aaron E. Johnson Jewelry Mfg. Co., Minneapolis, Minn. Finger rings. 188,767; Sept. 2; Serial No. 195,450; published June 17, 1924.
Jones, John B., Esom Hill, Ga. Preparation for the treatment of eczema. 188,658; Sept. 2; Serial No. 195,747; published June 24, 1924.
Kaempfer, Fred. W., doing business as Kaempfer's, Chicago, Ill. Insect, parasite, and bug exterminator and insecticide. 188,753; Sept. 2; Serial No. 196,247; published June 17, 1924.
Katz & Ogush, Inc., New York, N. Y. Watches, watch movements, and watchcases. 188,761; Sept. 2; Serial No. 195,692; published June 17, 1924.
Kellogg Company, Battle Creek, Mich. Edible bran. 188,889; Sept. 2.
Kent-Moore Organization, Detroit, Mich. Burnishing compounds. 188,811; Sept. 2; Serial No. 196,597; published June 24, 1924.
Kier Fire Brick Co., The, Pittsburgh, Pa. Fire brick. 188,772; Sept. 2; Serial No. 195,230; published June 10, 1924.
Knapp Electric Corporation, New York, N. Y. Electrical motors, dynamos, fans, and switches. 188,868; Sept. 2.
Krones Brothers, New York, N. Y. Watches and watch movements. 188,754; Sept. 2; Serial No. 196,124; published June 17, 1924.
Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory cement. 188,897; Sept. 2.
Lady Elty & Co. (See Teplitz, Louis.)
Lafayette Pharmacal Co., The, La Fayette, Ind. Preparation to effect combustion of carbohydrates in the animal body and thus removing symptoms of diabetes mellitus. 188,653; Sept. 2; Serial No. 193,341; published June 24, 1924.
Lange, William L., New York, N. Y. Banjos, vellum sounding boards, strings and bridges, and banjo parts. 188,768; Sept. 2; Serial No. 195,405; published June 17, 1924.
La Salle Company, The, St. Paul, Minn. Shampoo, lilac and violet vegetal, toilet water, and lemon cream. 188,732; Sept. 2; Serial No. 196,126; published June 17, 1924.
Le Blanc, Rose, doing business as Sep-Tex Health Company, Brooklyn, N. Y. Antiseptic powder. 188,818; Sept. 2; Serial No. 195,112; published June 17, 1924.
Lee Trailer & Body Company, Chicago, Ill. Dumping vehicles. 188,791; Sept. 2; Serial No. 194,114; published June 10, 1924.
Lehn & Fink, Inc., New York, N. Y. Rubbing alcohol. 188,836; Sept. 2; Serial No. 194,358; published June 17, 1924.
Lehon Company, The, Chicago, Ill. Asphalt roofing, asphalt roofing shingles and strips, etc. 188,783; Sept. 2; Serial No. 193,715; published June 10, 1924.
Leroy Laboratories, Inc., Orange, N. J. Ointment. 188,675; Sept. 2; Serial No. 195,823; published June 24, 1924.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Cold cream and massage cream. 188,862; Sept. 2.
Lion Knitting Mills Company, The, Cleveland, Ohio. Scarfs, sweaters, shawls, etc. 188,624; Sept. 2; Serial No. 187,582; published June 3, 1924.
Little-Noss, Margaret, doing business as Home Remedies Co., New York, N. Y. Odorous disinfectants. 188,817; Sept. 2; Serial No. 195,113; published June 17, 1924.
Living Age Company, The, Boston, Mass. Periodical. 188,661; Sept. 2; Serial No. 195,584; published June 17, 1924.
Los Angeles Soap Company, Inc., Los Angeles, Calif. Soap. 188,825; Sept. 2; Serial No. 194,458; published June 10, 1924.
Lubricating Service Company, Stockton, Calif. Grease pumps. 188,863; Sept. 2.
Magnuson Products Corporation, Brooklyn, N. Y. Cleaning compounds. 188,807; Sept. 2; Serial No. 195,969; published June 24, 1924.
Manufacturers Phonograph Co. Inc., New York, N. Y. Radio apparatus. 188,787; Sept. 2; Serial No. 193,844; published June 17, 1924.
Marathon Company, Attleboro, Mass. Bracelets. 188,888; Sept. 2.
Markwell Manufacturing Company, Inc., New York, N. Y. Stencil, marking, printing, etc., inks. 188,860; Sept. 2.
Marshall Field & Company, Chicago, Ill. Household furniture. 188,802; Sept. 2; Serial No. 193,912; published June 24, 1924.
Martin, Robert B., doing business as Atlanta Cleansing Products Company, New York, N. Y. Soap, soap powders, chip soap, sweeping compound. 188,823; Sept. 2; Serial No. 194,807; published June 10, 1924.
Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 188,611; Sept. 2; Serial No. 194,932; published June 10, 1924.
Maybaum, Edward F., doing business as The Clam Bake Co., New York, N. Y. Cooker or baker. 188,829; Sept. 2; Serial No. 193,606; published June 24, 1924.
Mayer, Harry H., Brooklyn, N. Y. Ointment. 188,657; Sept. 2; Serial No. 195,754; published June 24, 1924.
McCord Radiator & Mfg. Co., Detroit, Mich. Gaskets. 188,800; Sept. 2; Serial No. 191,078; published June 10, 1924.
McCutcheon, James, & Company, New York, N. Y. Bead necklaces. 188,775; Sept. 2; Serial No. 193,235; published June 17, 1924.
McRae & Keeler, Inc., Attleboro, Mass. Cuff links. 188,776; Sept. 2; Serial No. 193,302; published June 17,1924.
Metal Stampings Corporation, Streator, Ill. Card tables. 188,597; Sept. 2; Serial No. 195,116; published June 10, 1924.
Metz, H. A., Laboratories, Inc., New York, N. Y. Sweet dietetic preparation. 188,731; Sept. 2; Serial No. 196,129; published June 17, 1924.
Miller Brothers, New York, N. Y. Earrings, hatpins, brooches, rings, necklaces, and bracelets. 188,575; Sept. 2; Serial No. 176,800; published May 8, 1923.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Inked ribbons and carbon papers. 188,869; Sept. 2.
Mineral Products Company, The, Los Angeles, Calif. Radiocrystals. 188,884; Sept. 2.
Mission Pharmacal Co. (See Bastiani, Martin P.)
Moore-Lowry Flour Mills Company, The, Wichita, Kans. Wheat flour. 188,738; Sept. 2; Serial No. 192,634; published June 17, 1924.
Morrison Laboratories, Inc., Detroit, Mich. Radio receiving sets, etc. 188,706; Sept. 2; Serial No. 191,499; published June 17, 1924.

Muskogee Chemical Manufacturing Company, Muskogee, Okla. Insecticides. 188,671; Sept. 2; Serial No. 195,234; published June 24, 1924.
National Radio Co., Chicago, Ill. Radio receiving and transmitting sets and parts used in the construction thereof. 188,896; Sept. 2.
National Ring Traveler Co., Providence, R. I. Ring spinning and twisting travelers. 188,640; Sept. 2; Serial No. 189,910; published June 24, 1924.
National Transformer Mfg. Co., Chicago, Ill. Radio transformers and hot plates. 188,610; Sept. 2; Serial No. 194,936; published June 17, 1924.
Neagley, James K., Oil City, Pa. Toilet balm and cream, etc. 188,743; Sept. 2; Serial No. 186,963; published June 24, 1924.
Nevins, Herbert, doing business as Dr. H. Nevins Co., Peoria, Ill. Medical application for treatment of leucorrhea, painful or irregular menstruation, etc. 188,737; Sept. 2; Serial No. 192,922; published June 24, 1924.
New Haven Clock Co., The, New Haven, Conn. Clocks. 188,876; Sept. 2.
New Metropolitan Fiction, Inc., New York, N. Y. Monthly magazine. 188,672; Sept. 2; Serial No. 195,178; published June 17, 1924.
New York Belting and Packing Company, New York, N. Y. Packing. 188,788; Sept. 2; Serial No. 193,947; published June 10, 1924.
Normas Cosmetic Distributing Co., doing business as The Norma Cosmetics, Brooklyn, N. Y. Brow and lipsticks, rouge, clay pack, and cream. 188,576; Sept. 2; Serial No. 176,033; published June 17, 1924.
Nunbetter Syrup Co., Not Inc. (See Reichert, Michael.)
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 188,704; Sept. 2; Serial No. 197,038; published June 24, 1924.
O'Hara, John F., doing business as Oxford Press, Providence, R. I. Magazine. 188,759; Sept. 2; Serial No. 195,830; published June 17, 1924.
Oneida Community, Ltd., Oneida, N. Y. Table and carving knives. 188,650; Sept. 2; Serial No. 192,924; published June 24, 1924.
O'Neil Lumber Company Inc., St. Louis, Mo. Lumber, shingles, windows, etc. 188,779; Sept. 2; Serial No. 193,536; published June 10, 1924.
O'Neil Lumber Company Inc., St. Louis, Mo. Lumber, shingles, sash, doors, etc. 188,780; Sept. 2; Serial No. 193,537; published June 10, 1924.
Onli-Wa Fixture Company, The, Dayton, Ohio. Dress forms and garment hangers. 188,789; Sept. 2; Serial No. 193,954; published June 17, 1924.
Ortho Medical Co. (See Straight, Leonard J.)
Osmun Co., The, Covington, Ky. Hair curlers. 188,765; Sept. 2; Serial No. 195,534; published June 3, 1924.
Oxford Press. (See O'Hara, John F.)
Pacent Electric Company, Incorporated, New York, N. Y. Electrical connecting plug. 188,904; Sept. 2.
Pacific Coast Biscuit Company, Seattle, Wash. Display cabinets. 188,866; Sept. 2.
Packard Motor Car Company, Detroit, Mich. Automobiles and constructive parts thereof. 188,830; Sept. 2; Serial No. 189,946; published June 10, 1924.
Paisseau, Jean, Paris, France. Mother-of-pearl in bulk. 188,782; Sept. 2; Serial No. 193,620; published May 27, 1924.
Parfumerie de la Societe Hygienique Cottan-Porte & Cie., Paris, France. Perfumery and cosmetics. 188,893; Sept. 2.
Parfumerie Slika. (See Roussel, M.)
Parfums Fontanis. (See Jaquet, Daniel.)
Park Mfg. Co. (See Cohane, Sylvester T.)
Parke, Davis & Company, Detroit, Mich. Vaccines. 188,748–9; Sept. 2; Serial Nos. 196,616–17; published June 17, 1924.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo. Fire brick and refractory cement. 188,758; Sept. 2; Serial No. 195,833; published June 10, 1924.
Pasbach-Voice Lithographing Co. Inc., Brooklyn, N. Y. Lithographed or printed labels. 188,828; Sept. 2; Serial No. 193,725; published June 10, 1924.
Patriotic American Publishing Company, Pittsburgh, Pa. Periodical publication. 188,664; Sept. 2; Serial No. 195,537; published June 17, 1924.
Pavich, Gregory A., Kenosha, Wis. Medicine. 188,746; Sept. 2; Serial No. 168,141; published June 24, 1924.
Ph. Zang Company, The, Denver, Colo. Beverage sold as a soft drink. 188,918; Sept. 2.
Philippe, Louis, Inc., New York, N. Y. Face and toilet creams, extracts, toilet waters, etc. 188,729; Sept. 2; Serial No. 196,191; published June 17, 1924.
Picard, Walter J., doing business as Picard Medicine Company, Detroit, Mich. Dressing for cuts or wounds. 188,637; Sept. 2; Serial No. 178,187; published June 17, 1924.
Pompeian Mfg. Company, The, Cleveland, Ohio. Rouges and face powder. 188,629; Sept. 2; Serial No. 190,976; published June 17, 1924.
Poston Brick Company, Springfield, Ill. Brick. 188,574; Sept. 2; Serial No. 177,198; published June 10, 1924.
Prickett, James M., Rural Retreat, Va. Newspaper articles. 188,797; Sept. 2; Serial No. 192,085; published June 24, 1924.
Pride, W. H., & Co., Bellingham, Wash. Canned fruits, berries, fruit preserves, etc. 188,877; Sept. 2.
Pung-Chow Company, Inc., New York, N. Y. Game. 188,796; Sept. 2; Serial No. 179,111; published May 29, 1923.
Quality Pretzel Company, The, Reading, Pa. Pretzels. 188,854–5; Sept. 2.
Ramapo Ajax Corporation, New York, N. Y. Switch stands. 188,648; Sept. 2; Serial No. 192,856; published June 24, 1924.
Ramo Radium Products Co. (See Wellington, Alexander.)
Rectaskid Limited. (See Weston Anti Vibrator and Non-Skid Manufacturing Company, Limited.)
Redoute, George E., doing business as American Bleacher Products Co., Detroit, Mich. Laundry bleacher. 188,720; Sept. 2; Serial No. 193,072; published June 17, 1924.
Redoute, George E., doing business as American Bleacher Products Co., Detroit, Mich. Laundry bluing. 188,721; Sept. 2; Serial No. 193,073; published June 17, 1924.
Reichert, Michael, doing business as Nunbetter Syrup Co., Not Inc., Chicago, Ill. Sirups used for beverages. 188,865; Sept. 2.
Reincke-Ellis Company, Chicago, Ill. Monthly magazine. 188,669; Sept. 2; Serial No. 195,302; published June 17, 1924.
Rhode Island Web Company, Pawtucket, R. I. Narrow elastic and nonelastic web and braid. 188,832; Sept. 2; Serial No. 193,356; published June 10, 1924.
Rice's, Bernard, Sons, Inc., New York, N. Y. Silver hollow ware. 188,604; Sept. 2; Serial No. 195,019; published June 17, 1924.
Richards, James P., Toronto, Ontario, Canada. Druggists' glassware. 188,634; Sept. 2; Serial No. 175,907; published June 24, 1924.
Rigney & Company, Brooklyn, N. Y. Candy. 188,900; Sept. 2.
Rite-Lite Company, Chicago, Ill. Headlight controllers. 188,781; Sept. 2; Serial No. 193,542; published June 17, 1924.
Roessel, Louis, & Co. Inc., Hazleton, Pa., and New York, N. Y. Silk goods in the piece and crêpes and vellings. 188,830; Sept. 2; Serial No. 193,544; published June 24, 1924.
Rose, E. W., Company, The, Cleveland, Ohio. Soap. 188,812; Sept. 2; Serial No. 196,764; published June 24, 1924.
Rosenberg, Louis F., Providence, R. I. Braided silk and wire. 188,883; Sept. 2.
Rosenbloom, Morris, & Co., doing business as Sirom Watch Co., Rochester, N. Y. Watch movements. 188,617; Sept. 2; Serial No. 182,064; published June 17, 1924.
Ross, Joseph, & Company, Irvington, N. J. Kitchen knives. 188,644; Sept. 2; Serial No. 192,546; published June 24, 1924.
Roussel, M., doing business as Parfumerie Slika, Paris, France. Perfumes, toilet waters, dentifrices, etc. 188,656; Sept. 2; Serial No. 195,774; published June 24, 1924.
Rubwood Inc., Lawrence, Mass. Vehicle wheels. 188,785; Sept. 2; Serial No. 193,784; published May 27, 1924.
Ryley, C. L., Coal Company, Inc., Lexington, Ky. Coal. 188,626; Sept. 2; Serial No. 186,027; published June 17, 1924.
Sacks, Louis, Hempstead, N. Y. Adjustable shade supports. 188,649; Sept. 2; Serial No. 192,858; published June 24, 1924.
St. Louis Pump & Equipment Company, St. Louis, Mo. Hand-operated liquid measuring and dispensing apparatus. 188,816; Sept. 2; Serial No. 195,138; published June 24, 1924.
St. Louis Rubber Cement Co., St. Louis, Mo. Tire patches. 188,853; Sept. 2.
Savoy Watch Co., Inc., New York, N. Y. Watches, watchcases, etc. 188,608–9; Sept. 2; Serial Nos. 194,950–1; published June 17, 1924.
Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 188,594–5; Sept. 2; Serial Nos. 195,193–4; published June 10, 1924.
Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 188,599–602; Sept. 2; Serial Nos. 195,076–9; published June 10, 1924.
Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 188,774; Sept. 2; Serial No. 195,195; published June 10, 1924.
Schmidt, Charles, doing business as H. S. Manufacturing Co., McKees Rocks, Pa. Spark plugs for engines. 188,620; Sept. 2; Serial No. 188,863; published Apr. 29, 1924.
Selberling Rubber Company, Akron, Ohio. Elastic vehicle tires, auto tire flaps, reliners, etc. 188,590; Sept. 2; Serial No. 164,563; published June 10, 1924.
Sep-Tex Health Company. (See Le Blang, Rose.)
Sharp & Dohme, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis and Kansas City, Mo.; Atlanta, Ga.; Philadelphia, Pa.; San Francisco, Calif.; and New York, N. Y. Headache tablet. 188,728; Sept. 2; Serial No. 196,198; published June 17, 1924.
Sheldon, Harry B., Waltham, Mass. Insecticide spray. 188,844; Sept. 2; Serial No. 194,672; published June 17, 1924.
Shelton Electric Co., New York, N. Y., and Chicago, Ill. Electric centrifuges. 188,907; Sept. 2.

Shelton Electric Co., New York, N. Y., and Chicago, Ill. Electric vibrators and applicators, massage machines and apparatus, etc. 188,908; Sept. 2.
Shimmering Twilight Silver Cleaner Co. (See Ellsworth, Julia E.)
Shores-Mueller Company, Cedar Rapids, Iowa. Medicinal dip preparation for animals. 188,845; Sept. 2; Serial No. 194,737; published June 17, 1924.
Sifford Hog Remedy Co. (See Chinburg, Edward G.)
Silverman, M., & Son, Philadelphia, Pa. Dress goods in the piece. 188,663; Sept. 2; Serial No. 195,544; published June 24, 1924.
Sipe, James B., & Company, Pittsburgh, Pa. Paste paints and semipaste stains. 188,886; Sept. 2.
Sipe, James B., & Company, Pittsburgh, Pa. Special heavy-bodied paint oil. 188,887; Sept. 2.
Sirom Watch Co. (See Rosenbloom, Morris, & Co.)
Skinner Machinery Co., Dunedin, Fla. Spray pumps and spraying apparatus. 188,905; Sept. 2.
Skybryte Company, The, Cleveland, Ohio. Cleaner for glass and other glazed surfaces. 188,799; Sept. 2; Serial No. 188,330; published June 24, 1924.
Smith, Kline & French Co., Philadelphia, Pa. Medicine for nervous diseases. 188,654; Sept. 2; Serial No. 194,641; published June 24, 1924.
Smith, Moroni A., Salt Lake City, Utah. Liquid healing ointment for animals. 188,846; Sept. 2; Serial No. 194,740; published June 17, 1924.
Southern California Analytical Laboratory. (See Belyea, James A., M. D.)
Stallings, Ernest E., doing business as Dawson Manufacturing Co., Enfield, N. C. Hairdressing. 188,723; Sept. 2; Serial No. 193,138; published June 17, 1924.
Standard Oil Company (New Jersey), Bayonne, N. J. Mineral oil. 188,858; Sept. 2.
Standard Oil Company (New Jersey), Bayonne, N. J. Petroleum, white mineral oil, petroleum ether, etc. 188,859; Sept. 2.
Stanley, Edward L., Dallas, Tex. Salves or ointments. 188,745; Sept. 2; Serial No. 176,291; published June 24, 1924.
Stanley Works, The, New Britain, Conn. Saw sets. 188,670; Sept. 2; Serial No. 195,242; published June 24, 1924.
Starke Pharmaceutical Co., St. Louis, Mo. Compound for the treatment of bronchitis, hay fever, etc. 188,735; Sept. 2; Serial No. 194,822; published June 24, 1924.
State Journal Company, Lincoln, Nebr. News items. 188,777; Sept. 2; Serial No. 193,367; published June 10, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece and in short lengths. 188,695; Sept. 2; Serial No. 196,551; published June 24, 1924.
Steril Manufacturing Company, Omaha, Nebr. Undertakers' cavity fluid, disinfectant, perfume, etc. 188,873; Sept. 2.
Steril Manufacturing Company, Omaha, Nebr. Waterproof body protectors, aprons, casket covers, etc. 188,921; Sept. 2.
Sterling Tire Corporation, Rutherford, Pa. Rubber tires and tubing. 188,891; Sept. 2.
Stork Chemical Company. (See Burnham, Frederick S.)
Straight, Leonard J., doing business as Ortho Medical Co., Washington, D. C. Stomach tablets. 188,820; Sept. 2; Serial No. 195,025; published June 24, 1924.
Street, R. R., & Co., Inc., Chicago, Ill. Magazine. 188,843; Sept. 2; Serial No. 194,626; published June 10, 1924.
Stroud, W. D., Ratcliff, Ark. Antiseptic douche powder. 188,625; Sept. 2; Serial No. 187,141; published June 17, 1924.
Sturdi-Truck Manufacturing Co., The, Wilmington, Del. Hand trucks. 188,627; Sept. 2; Serial No. 191,419; published June 10, 1924.
Stuyvesant Company, The, New York, N. Y. Magazine. 188,718; Sept. 2; Serial No. 192,938; published June 10, 1924.
Sullivan, Marguerite, assignor to E. J. Reefer and said Marguerite Sullivan, copartners doing business as Domino House, Philadelphia, Pa. Complexion clay and cream, skin tonic, etc. 188,616; Sept. 2; Serial No. 182,779; published June 17, 1924.
Sullivan, Marguerite, assignor to Domino House, Philadelphia, Pa. Complexion clay, cream, and powder, hair restorer, etc. 188,639; Sept. 2; Serial No. 182,780; published June 17, 1924.
Sulpho-Napthol Company, The, Boston, Mass. Disinfectant. 188,692; Sept. 2; Serial No. 196,412; published June 17, 1924.
Sulpho-Napthol Company, The, Boston, Mass. Liquid soap. 188,810; Sept. 2; Serial No. 196,411; published June 24, 1924.
Sunbeam Water Company, Philadelphia, Pa. Distilled, carbonated, and lithiated waters. 188,798; Sept. 2; Serial No. 187,783; published Jan. 1, 1924.
Sunden, Francis E., doing business as the Turoline Co., Spokane, Wash. Ointment. 188,636; Sept. 2; Serial No. 177,024; published June 17, 1924.
Sunray Stove Company, The, Delaware, Ohio. Coal, wood, and gas stoves. 188,613; Sept. 2; Serial No. 194,890; published June 17, 1924.
Sunray Stove Company, The, Delaware, Ohio. Gas furnaces, ranges, and stoves. 188,763–4; Sept. 2; Serial Nos. 195,551–2; published June 17, 1924.
Sunray Stove Company, The, Delaware, Ohio. Coal, gas, and wood stoves. 188,852; Sept. 2; Serial No. 194,888; published June 17, 1924.
Superior Peanut Co., The, Cleveland, Ohio. Salted peanuts. 188,701; Sept. 2; Serial No. 194,678; published June 24, 1924.
Sussman, Wormser & Co., San Francisco, Calif. Canned corn. 188,878–80; Sept. 2.
Swayne, Noah H., doing business as Swayne & Company, Philadelphia, Pa. Coal. 188,808; Sept. 2; Serial No. 196,321; published June 24, 1924.
Swedish Shampoo Laboratories, The. (See Guaranteed Products, Inc.)
Teplitz, Louis, doing business as Lady Elty & Co., Philadelphia, Pa. Hair tonic and soap bark for hair. 188,696; Sept. 2; Serial No. 196,557; published June 17, 1924.
Thurman, Charles L., Philadelphia, Pa. Variocouplers. 188,771; Sept. 2; Serial No. 195,317; published June 17, 1924.
Toncan Metal Culvert Association, Canton, Ohio. Monthly publication. 188,681; Sept. 2; Serial No. 196,215; published June 17, 1924.
Tourists Pride Manufacturing Co. (See Fuchs, Joseph J.)
Traffic Sign & Signal Co., Gloucester, Mass. Street-traffic-control indicator. 188,824; Sept. 2; Serial No. 194,495; published June 24, 1924.
Trenton Porcelain Company, Trenton, N. J. Electric insulators. 188,591; Sept. 2; Serial No. 163,014; published June 17, 1924.
Trenton Porcelain Company, Trenton, N. J. Electric insulators for lightning arresters. 188,592; Sept. 2; Serial No. 163,013; published June 17, 1924.
Triangle Jewelry Company, New York, N. Y. Platinum jewelry. 188,790; Sept. 2; Serial No. 193,972; published June 17, 1924.
Tulsa Stove and Foundry Company, Sand Springs, Okla. Warm-air-circulating furnaces. 188,725; Sept. 2; Serial No. 196,490; published June 24, 1924.
Turner, George A., Stockton, Calif. Radio receiving sets. 188,596; Sept. 2; Serial No. 195,143; published June 17, 1924.
Turoline Co., The. (See Sunden, Francis E.)
United Cigar Stores Co. of America, New York, N. Y. Radio receiving sets. 188,631; Sept. 2; Serial No. 189,924; published June 17, 1924.
United Retail Chemists Corporation, New York, N. Y. Soaps. 188,809; Sept. 2; Serial No. 196,324; published June 24, 1924.
Utility Manufacturing and Sales Corporation, Boston, Mass. Automobile number-plate frames. 188,757; Sept. 2; Serial No. 195,846; published June 10, 1924.
Virginia Dare Extract Co., Inc., Brooklyn, N. Y. Tonic laxative. 188,666; Sept. 2; Serial No. 195,437; published June 24, 1924.
Vivaudou, V., Inc., New York, N. Y. Face powders and creams, hair tonics, rouges, etc. 188,834; Sept. 2; Serial No. 194,314; published June 17, 1924.
Volta Company of America, Inc., Philadelphia, Pa. Preparation for treatment of rheumatism, etc. 188,814; Sept. 2; Serial No. 194,582; published June 24, 1924.
Walker, Edward C., 3d, doing business as Genesee Chemical Company, Batavia, N. Y. Perchloric acid. 188,819; Sept. 2; Serial No. 195,085; published June 17, 1924.
Washington Linen Importing Co., Inc., Washington, D. C. Linen piece goods. 188,682; Sept. 2; Serial No. 196,326; published June 24, 1924.
Weber Costello Co., Chicago Heights, Ill. Geographical globes and tellurians. 188,827; Sept. 2; Serial No. 193,871; published June 24, 1924.
Welbourn, Edward L., doing business as Dr. Welbourn Medicine Company, Union City, Ind. Medicine for diarrhea, etc. 188,895; Sept. 2.
Wellington, Alexander, doing business as Ramo Radium Products Co., New York, N. Y. Radio merchandise. 188,707; Sept. 2; Serial No. 191,584; published June 17, 1924.
Weston Anti Vibrator and Non-Skid Manufacturing Company, Limited, The, now by change of name Rectaskid Limited, London, England. Springs and spring attachments for vehicles. 188,792; Sept. 2; Serial No. 194,145; published May 20, 1924.
Whitney, W. A., Manufacturing Company, Rockford, Ill. Tools. 188,662; Sept. 2; Serial No. 195,560; published June 24, 1924.
Wilson, Al, Company, San Francisco, Calif. Trolling spoons. 188,901; Sept. 2.
Winter, Francis, et Cie., Paris, France. Pearls. 188,784; Sept. 2; Serial No. 193,743; published June 17, 1924.
Wise, W. G., Fruit Chocolate Co., Oakland, Calif. Candies. 188,607; Sept. 2; Serial No. 194,966; published June 17, 1924.
Witte, Frank F., doing business as The Oriental & Occidental Medicine Co., Elliott Station, Detroit, Mich. Proprietary medicine. 188,750; Sept. 2; Serial No. 196,561; published June 17, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Borgfeldt, George, & Co. (See Tamm, Franz, assignor.)
California Almond Confections Company. (See Prentiss, William, jr.)
Chamberlain, T. D., doing business as T. D. Chamberlain Chemical Company, Scranton, Pa. Chamberlain's Auto Polish A Lemon Oil Compound. For a Polishing Preparation and Compound. 27,775; Sept. 2.
Chamberlain, T. D., doing business as T. D. Chamberlain Chemical Company, Scranton, Pa. Chamberlain's Royal Silver, Gold & Aluminium Polish an Olive Oil Compound. For a Polishing Preparation and Compound. 27,776; Sept. 2.
Della Monica, Joseph, Brooklyn, N. Y. Lion Brand Italian Peeled Tomatoes. For Canned Tomatoes. 27,784; Sept. 2.
Del Monte Properties Co., San Francisco, Calif. Our Recommendation. For Canned Abalone. 27,777; Sept. 2.
Gardner-Barada Chemical Co., Chicago, Ill. Power-Grip. For a Preparation for Treating Pulleys and the Like. 27,778; Sept. 2.
Glemby's, S., Sons Co., Inc., New York, N. Y. Lady Billy Silk Net. For Hair Nets. 27,779; Sept. 2. Sept. 2.
Hosch Brothers Company, Gainesville, Ga. Brenau. For Hosiery. 27,780; Sept. 2.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Mamolith Railway Paints. For Paints. 27,781; Sept. 2.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Mamolith Paint. For Paints. 27,782; Sept. 2.
Kaatze, D. W., Co. Inc., Brooklyn, N. Y. Look Who's Here The Famous Little Bo-Peep. For Packages Containing Infants' Layettes. 27,783; Sept. 2.
National Grocer Company, Detroit, Mich. Motor City. For Coffee. 27,785; Sept. 2.
National Grocer Company, Detroit, Mich. Arden Park. For Coffee. 27,786; Sept. 2.
Northern Paper Mills, Green Bay, Wis. The Hoffman. For Toilet Paper. 27,787; Sept. 2.
Northern Paper Mills, Green Bay, Wis. Ford. For Toilet Paper. 27,788; Sept. 2.
Nu-Luster Products Co., Inc., New Orleans, La. Nu-Luster Automobile Polish (No. 1 Cleaner). For Cleaning and Polishing Materials for Painted Surfaces. 27,789; Sept. 2.
Nu-Luster Products Co., Inc., New Orleans, La. Nu-Luster Automobile Polish (No. 2 Polisher). For Cleaning and Polishing Materials for Painted Surfaces. 27,790; Sept. 2.
Pied Bros., Brooklyn, N. Y. Three Star Brew. For a Nonalcoholic, Cereal Beverage. 27,791; Sept. 2.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. All Sweet Toasted Almonds from California. For Toasted Almonds. 27,792; Sept. 2.
Prentiss, William, jr., Long Beach, Calif. Tulle Extra Fine. For a Confection. 27,793; Sept. 2.
Reed Drug Co., Inc., Philadelphia, Pa. Malt-O-Cod. For a Tonic. 27,794; Sept. 2.
Reed Drug Co., Inc., Philadelphia, Pa. Vigatone. For a Tonic. 27,795; Sept. 2.
Rick & Hershey, Hamburg, Pa. Peerless Orchards. For Fresh Fruit—Namely, Peaches. 27,796; Sept. 2.
Schwab, A., Memphis, Tenn. Schwab's Nature Cold Cream. For Cold Cream. 27,797; Sept. 2.
Schwab, A., Memphis, Tenn. Schwab's Nature Vanishing Cream. For Vanishing Cream. 27,798; Sept. 2.
Schwab, A., Memphis, Tenn. Schwab's Nature Lemon Cream. For Lemon Cream. 27,799; Sept. 2.
Schwab, A., Memphis, Tenn. Schwab's Nature Rose Cream. For a Pink Vanishing Cream. 27,800; Sept. 2.
Snyder, W. H., & Sons, Windsor, Pa. Country Club. For Cigars. 27,801; Sept. 2.
Swan Manufacturing Company. (See Tamm, Franz.)
Tamm, Franz, doing business as Swan Manufacturing Company, assignor to George Borgfeldt & Co., New York, N. Y. Womens Fine Novelty Handkerchiefs. For Handkerchiefs. 27,802; Sept. 2.
Vi-Tone Products Co., The, Albany, N. Y. Vi-Tone Nutritive Tonic Tablets. For a Box Containing Tonic Tablets. 27,803; Sept. 2.
Vi-Tone Products Co., The, Albany, N. Y. Dyspeptans. For Boxes Containing Dyspepsia Tablets. 27,804; Sept. 2.
Winter, J. C., & Co., Red Lion, Pa. Skill. For Cigars. 27,805; Sept. 2.
Winter, J. C., & Co., Red Lion, Pa. Champagne. For Cigars. 27,806; Sept. 2.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Beery, Jesse, Company, The, doing business as The Parents Association, Pleasant Hill, Ohio. Versatilia. For Games. 7,576; Sept. 2.
Dill, J. G., Company, Richmond, Va. Smoke Dill's Best. For Tobacco Products, Including Smoking Tobacco. 7,577; Sept. 2.
Parents Association, The. (See Beery, Jesse, Company.)
Williams, J. B., Company, Glastonbury, Conn. Williams Luxury Shaving Cream (Screen with Carton and Tube). For Shaving Cream. 7,578; Sept. 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Accor Panama Hat Co., New York, N. Y. Straw hats. 197,791; Sept. 2.
Ajax Rope Company, Inc., New York, N. Y. Manila and sisal rope. 200,167; Sept. 2.
Ajax Rope Company, Inc., New York, N. Y. Drilling cable and transmission rope. 200,168; Sept. 2.
Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Toilet water, hair wash, and mouth wash. 199,514; Sept. 2.
Altshuler, A., Merchandising Co., Boston, Mass. Ladies' cloaks and suits. 175,639; Sept. 2.
American Cellulose & Chemical Manufacturing Company Ltd., The, New York, N. Y. Women's and children's dresses, sweaters, jumpers, etc. 198,167; Sept. 2.
Andreson & Patterson, Worcester, Mass. Ice cream and ice cream coated with chocolate. 160,179; Sept. 2.
Anglo-American Pharmaceutical Corporation, New York, N. Y. Medicinal preparations for syphilis. 198,727; Sept. 2.
Atlantic Manufacturing Company, Atlanta, Ga. Magazine pencils. 198,443; Sept. 2.
Atlas Paper Company, San Francisco, Calif. Manila wrapping paper. 189,604; Sept. 2.
Atlas Shoe Mfg. Co., Inc., New York, N. Y. Shoes, putties, and leggings. 185,402; Sept. 2.
Auburn Mercantile Company, Auburn, N. Y. Catchup, chili sauce, salt fish, jellies, etc. 174,123; Sept. 2.
Automotive Electric Service Corporation, New York, N. Y. Batteries. 195,566; Sept. 2.
Back, David, doing business as David Back & Co., Mount Angel, Oreg. Medicinal tea. 198,609; Sept. 2.
Ba-Ha-Ni Laboratory, Inc., The, Greensburg, Pa. Medical compound for constipation, dyspepsia, etc. 198,931; Sept. 2.
Barnhart, Frank H., Fostoria, Ohio. Children's safety harness. 156,256; Sept. 2.
Barrier Bros., Lubbock, Tex. Trading stamps. 192,749; Sept. 2.
Bayley, W. D., trustee of The E. W. Ross Company, Springfield, Ohio. Ensilage cutters. 200,307; Sept. 2.
Berkowitz, William E., Detroit, Mich. Antiseptic solution. 197,410; Sept. 2.
Big Stone Canning Co., Ortonville, Minn. Canned corn. 197,921; Sept. 2.
Bishop & Company, Los Angeles, Calif. Chocolate-coated candy. 190,756; Sept. 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Blakey's Boot Protectors, Limited, Leeds, England. Pads manufactured from rubber composition. 194,778; Sept. 2.
Blakey's Boot Protectors, Limited, Leeds, England. Pads manufactured from rubber or rubber composition. 196,900; Sept. 2.
Blum & Bergeron, Houma, La. Canned shrimp. 199,341; Sept. 2.
Bohrer, Chas. R., doing business as Lechal Chemical Co., West Plains, Mo. Mange remedy. 200,178; Sept. 2.
Bouchard, Mack, & Son, Caribou, Me. Seed potatoes. 185,406; Sept. 2.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,035; Sept. 2.
Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 200,243; Sept. 2.
Bredar, Jos. L., doing business as Nic Bredar's Son Mfg. Co., Rock Island, Ill. Drain-valves for automobiles. 199,342; Sept. 2.
Brenner Bros., New York, N. Y. Ladies' outer cloaks and suits. 197,799; Sept. 2.
Bunte Brothers, Chicago, Ill. Candy. 199,039; Sept. 2.
Burd Knitting Mills Co., Philadelphia, Pa. Hosiery. 177,271; Sept. 2.
C. N. G. Laboratories Company. (See Cousino, Elmer J.)
Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets. 199,932; Sept. 2.
Clen-So Company, The, Shreveport, La. Liquid wax for cleaning and polishing floors, etc. 193,574; Sept. 2.
Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 193,805; Sept. 2.
Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 197,188; Sept. 2.
Colvin's Confectionery, Los Angeles, Calif. Chocolates, bonbons, and all other kinds of candies. 200,247; Sept. 2.
Connecticut Automotive Specialties Co., The, Bridgeport, Conn. Electric cigar lighters. 197,855; Sept. 2.
Cookson & Co. Ld., Newcastle-on-Tyne, England. Oxide of antimony and chemical compounds and mixtures made therefrom. 196,649; Sept. 2.
Coon, W. B., Co., Rochester, N. Y. Boots, shoes, and slippers. 188,586; Sept. 2.
Cott-A-Lap Company, Somerville, N. J. Floor coverings coated with a waterproof substance. 166,170; Sept. 2.
Cousino, Elmer J., doing business as C. N. G. Laboratories Company, Detroit, Mich. Antiseptic and analgesic medicines and germicides. 197,584; Sept. 2.
Crocker Pen Mfg. Company. (See Zain, George.)
Crockett & Jones, Northampton, England. Boots, shoes, slippers, leggings, and gaiters. 196,295; Sept. 2.
Crown Fruit & Extract Co. Inc., New York, N. Y. Preserved fruits. 195,869; Sept. 2.
Davie, Theodore J., San Francisco, Calif. Accounting sheets. 199,109; Sept. 2.
Delneour Bros. Ltd., London, England. Tobacco pipes. 176,730; Sept. 2.
Delbon, Frank G., Brooklyn, N. Y. Leather shoes. 181,588; Sept. 2.
Dentler, George H., Houston, Tex. Potato chips. 170,009; Sept. 2.
Deshell Laboratories, Inc., Los Angeles, Calif. Solution for the treatment of pyorrhea. 198,290; Sept. 2.
Diederich, Henry, Brooklyn and Valley Stream, N. Y. Rusk. 180,112; Sept. 2.
Dolly Gray. (See Wool Novelty Co., Inc.)
Dunhill, Alfred, of London, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 179,264; Sept. 2.
Duty, Mabel C., doing business as Magic Jewelry Company, Cleveland, Ohio. Toy jewelry. 198,939; Sept. 2.
Earl & Wilson, Troy N. Y. Men's negligee and dress shirts and collars. 197,728–9; Sept. 2.
Earl & Wilson, Troy, N. Y. Men's negligee and dress shirts and collars. 197,731; Sept. 2.
Estonian Match Industry "Lendra" Ltd., Reval, Tallinn, Estonia. Matches. 192,763; Sept. 2.
Etablissements Poulenc Freres Societe Anonyme, Paris, France. Synthetic resin material. 197,020; Sept. 2.
Everett Mills, Lawrence and Boston, Mass. Cotton piece goods. 200,354; Sept. 2.
Fabrique Mimo. (See Mimo Watch Co.)
Fax Manufacturing Co., Long Island City, N. Y. Automobile polish and finish. 198,129; Sept. 2.
Federal Cartridge Corp., Minneapolis, Minn., assignor to Winchester Repeating Arms Company, New Haven, Conn. Shot shells and cartridges. 195,225; Sept. 2.
Filice & Perrelli Canning Company, Inc., Gilroy, Calif. Canned fruits and vegetables. 199,746; Sept. 2.
First Aid Specialty Company, Inc., New York, N. Y. Medical and surgical appliances. 197,478; Sept. 2.
Foy Paint Co., The, Cincinnati, Ohio. Ready-mixed paints. 188,959; Sept. 2.
Frankel, Irving A., doing business as Prudential Shirt Company, New York, N. Y. Men's dress shirts. 197,873; Sept. 2.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties and cravats. 198,063; Sept. 2.
Fullerton Mutual Orange Association, Fullerton, Calif. Fresh oranges. 199,054; Sept. 2.
G. N. C. Manufacturing Company, New York, N. Y. Dresses. 196,383; Sept. 2.
Gaebler, Adolph N., doing business as King Mfg. Co., St. Louis, Mo. Medicinal tonic for dyspepsia, indigestion, etc. 199,778; Sept. 2.
Gardner, Estella M., doing business as Vivo Life-Blood Co., Boston, Mass. Blood purifier, a remedy for high blood pressure, and a tonic. 199,056; Sept. 2.
Gidding, J. M., & Co., Incorporated. New York, N. Y. Dresses for women, misses, and children. 197,429; Sept. 2.
Gimurtsina, Christos, doing business as Sphinx Sanitary Appliance Co., New York, N. Y. Catamenial bandages. 194,000; Sept. 2.
Golf Shaft and Block Company, Memphis, Tenn. Wooden golf heads, baseball bats, etc. 195,280; Sept. 2.
Gooding, Edith M., Plymouth, Mass. Toilet preparation. 193,705; Sept. 2.
Gorham Manufacturing Company, Providence, R. I. Electric lamps and electroliers. 152,247; Sept. 2.
Gotham Silk Hosiery Co. Inc., New York, N. Y. Understockings, spats, and hosiery. 179,863; Sept. 2.
Graef et Cie. (See Mimo Watch Co.)
Great Lakes Paper Company, Chicago, Ill. Blotting paper and coated blanks. 197,809; Sept. 2.
Greater New York Export House, Inc., New York, N. Y. Carpet lining. 190,542; Sept. 2.
Greene, Tweed & Co., New York, N. Y. Packings. 194,996; Sept. 2.
Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machine. 200,196; Sept. 2.
Greenspot Citrus Association, Mentone, Calif. Fresh citrous fruits. 198,133; Sept. 2.
Guaranty Cycle Company, St. Louis, Mo. Bicycles, tricycles, and velocipedes. 199,694; Sept. 2.
Guerlain Perfumery Corporation, Wilmington, Del. Soaps. 199,162; Sept. 2.
Guzzardo, Albert C., Kansas City, Mo. Blood regulator. 190,292; Sept. 2.
Hardie Brothers Co., Pittsburgh, Pa. Candy. 199,061; Sept. 2.
Hearn, James A., & Son Inc., New York, N. Y. Correspondence paper and envelopes. 195,287; Sept. 2.
Henninger, Clive A., Shamokin, Pa. Soft drink. 181,117; Sept. 2.
Higgins Manufacturing Company, Providence, R. I. Cooking or shortening compound. 196,298; Sept. 2.
Hilpert, Meier G., Bethlehem, Pa. Coaster runway slides for children. 188,905; Sept. 2.
Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 200,318; Sept. 2.
Hub Hosiery Mills, Boston, Mass. Infants' hose. 178,389; Sept. 2.
Hughes & Tansey, Inc., Boston, Mass. Leather boots and shoes. 196,117; Sept. 2.
Incandescent Supply Company, New York, N. Y. Electric fixtures. 199,625; Sept. 2.
International Milling Company, Minneapolis, Minn. Wheat flour. 199,991–2; Sept. 2.
Jacob, H., & Sons, Inc., Brooklyn, N. Y. Rubber heels. 197,816; Sept. 2.
Jigger, Limited, London, England. Bags, trunks, suitcases, etc. 195,002; Sept. 2.
Johnson, Belle, Boston, Mass. Women's combination undergarments. 194,352; Sept. 2.
Kalisher, John J., New York, N. Y. Clothing. 196,343; Sept. 2.
Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 177,676; Sept. 2.
Killian, W. H., Co., The, Baltimore, Md. Canned goods. 198,806; Sept. 2.
Kilmer, Dr., & Co., Binghamton, N. Y. Preparation for the treatment of diseases of the kidneys, bladder, etc. 198,807; Sept. 2.
Kinesthetic Process Co., Inc., Long Island City, N. Y. Golf balls. 199,996; Sept. 2.
King Mfg. Co. (See Gaebler, Adolph N.)
Kitzinger, Harry, doing business as Harry Kitzinger & Company, New York, N. Y. Ladies' coats. 197,031; Sept. 2.
Koken Companies, St. Louis, Mo. Razor strops. 199,362–3; Sept. 2.
Korrene Chemical Company. (See Smith, Forrest H.)
Krakowski, Franciszek K., Carle Place, Long Island, N. Y. Salve. 199,169; Sept. 2.
Krause's. (See Tru-Blu Biscuit Company.)
L. & R. Company, The, Providence, R. I. Handkerchiefs. 200,109; Sept. 2.
Lajugie, Paul, Paris, France. Dentifrice. 187,825; Sept. 2.
Lavick, S. B., Co., Chicago, Ill. Gold-plated collar buttons. 195,696; Sept. 2.
Lawrence, W. W., & Company, Pittsburgh, Pa. Varnish stain. 199,120; Sept. 2.
Lechal Chemical Co. (See Bohrer, Chas. R.)
Lederer, Herbert B., Corp., New York, N. Y. Linen piece goods. 179,803; Sept. 2.

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Lee-Marion Company, Chicago, Ill. Lamp shades. 191,330; Sept. 2.

Lescarboura, Louis, Athens, N. Y. Fresh mushrooms. 199,287; Sept. 2.

Lewin-Neiman Co., New York, N. Y. Ladies' suits, coats, cloaks, etc. 197,205; Sept. 2.

Licking, Anthony J., San Antonio, Tex. Blood-purifying medicine. 199,947; Sept. 2.

Lionel Trading Co., Inc., New York, N. Y. Boudoir novelty. 197,380; Sept. 2.

Loft, Incorporated, New York, N. Y. Candy. 198,318; Sept. 2.

Lombard, G., Paris, France. Perfumery. 199,560; Sept. 2.

Lowe, Joe, Co. Inc., Brooklyn, N. Y. Cake, ice cream, and bread. 178,108; Sept. 2.

Lowville Cheese Company, Lowville, N. Y. Cheese. 189,683; Sept. 2.

Lucas, John, & Company Incorporated, Philadelphia, Pa. Varnishes, stains, and finishes. 189,606; Sept. 2.

Lukinovich, Jerome, New Orleans, La. Mops and brooms. 199,843–4; Sept 2.

Luther, Morris H., Cincinnati, Ohio. Ointment for skin diseases. 199,635; Sept. 2.

Magic Jewelry Company. (See Duty, Mabel C.)

Magnavox Co., The, Oakland, Calif. Vacuum tubes. 199,365–6; Sept. 2.

Maisonite Company, Cleveland, Ohio. Polishes. 199,367; Sept. 2.

Malouf, Abraham M., New York, N. Y. Garters. 197,825; Sept. 2.

Manufacture Internationale Montres Or. (See Mimo Watch Co.)

Maple Dell Candy Company, The, Columbus, Ohio. Cocoanut candy. 196,395; Sept. 2.

Masson Seeley and Company Limited, London, England. Embossing machines, types, beveling machines, etc. 198,149; Sept. 2.

Mayer, Francis X., Chicago, Ill. Calculating machines and devices. 192,778; Sept. 2.

Meinecke & Company, New York, N. Y. Hot-water bags, rubber sheeting, hypodermic syringes, etc. 190,510; Sept. 2.

Meilier Company, Perfumer. (See Sanitol Company, assignor.)

Midland Flour Milling Co., The, Kansas City, Mo. Wheat shorts. 198,754; Sept. 2.

Miller, Guy L., Charlottesville, Va. Medicinal preparation. 198,530; Sept. 2.

Mimo Watch Co., doing business as Manufacture Internationale Montres Or, Graef et Cie., and Fabrique Mimo, La Chaux-de-Fonds, Switzerland. Watches, watchcases, watch movements and parts thereof. 198,418; Sept. 2.

Minor, P. W., & Son, Inc., Batavia, N. Y. Leather shoes. 196,751; Sept. 2.

Mocq, Burnier & Cie., Inc., New York, N. Y. Perfume extracts, toilet waters, compacts, etc. 199,896; Sept. 2.

Moore, William R., Dry Goods Company, Memphis, Tenn. Hosiery, underwear, and sweaters. 198,022; Sept. 2.

Morice Twine Mills Corporation, New York, N. Y. Twine. 200,112; Sept. 2.

Morrison Laboratories, Inc., Detroit, Mich. Telephone receivers, head phones, radio receiving sets, etc. 195,757; Sept. 2.

Mueller, George J., Inc., Washington, D. C. Candy. 200,217; Sept. 2.

Neustadter Bros., San Francisco, Calif. Men's and boys' textile-fabric union suits. 189,167; Sept. 2.

New Jersey Zinc Company, The, Newark and Franklin Borough, N. J. Mixed paint and paint paste. 200,275; Sept. 2.

Nicholson-Feinberg, Inc., New York, N. Y. Hosiery for children and infants. 194,018; Sept. 2.

Oelwein Chemical Company. (See Rhine, Earl.)

Oliver, Elizabeth, St. Louis, Mo. Pile salve. 199,567; Sept. 2.

Omaha Packing Company, Chicago, Ill. Hams. 190,027; Sept. 2.

Ortega, José M., Addlestone, Surrey, England. Devices for repairing knitted fabric. 180,025; Sept. 2.

Osakeyhtiö Savo, Ltd., Kuopio, Finland. Matches. 198,084; Sept. 2.

P-D Auto Parts, Inc., The, Meriden, Conn. Automobile parts and accessories. 199,088; Sept. 2.

Pacific Spring Company, Oakland, Calif. Bed springs and coiled spring supports. 192,728; Sept. 2.

Palace Hat Co., Inc., The, New York, N. Y. Ladies' hats. 197,445; Sept. 2.

Palmer School of Chiropractic, The, Davenport, Iowa. Instrument to measure temperature in the human body. 198,535; Sept. 2.

Patrick County Va. Fairy Stone Co., Inc., Richmond, Va. Jewelry. 177,799; Sept. 2.

Pecheur Lozenge Co. Inc., Brooklyn, N. Y. Candy wafer. 192,545; Sept. 2.

Peerless Radio Corporation, Wellesley and Newton Lower Falls, Mass. Transformers, radio receiving and sending sets, etc. 199,899; Sept. 2.

Pen-O-Pencil Company, New York, N. Y. Fountain pens and pencils and combination fountain pens and pencils. 175,678; Sept. 2.

Penny, Salvator, Palisades Park, N. J. Sirup sold as a flavoring for soft drinks. 145,474; Sept. 2.

Penslar Company, The, Detroit, Mich. Toothbrushes. 200,637; Sept. 2.

Penton, Edward, and Son, London, England. Boots and shoes. 197,390; Sept. 2.

Perch, Mary d'Este, New York, N. Y. Perfumes, toilet powders, pomades, etc. 200,096; Sept. 2.

Peter Paul Candy Manufacturing Company, Incorporated, Naugatuck, Conn. Candy. 186,198; Sept. 2.

Petrolene Co., The, Whiting, Ind. Rugs, borders, hall runners, etc. 172,762; Sept. 2.

Pickanniny Company, The, Baltimore, Md. Salad oil. 180,886; Sept. 2.

Pidgeon, C. T., Millinery Co., Fort Wayne, Ind. Women's hats. 197,558; Sept. 2.

Pike Richmond Co., The, Cleveland, Ohio. Women's hats. 197,290; Sept. 2.

Pinkerton Tobacco Co., The, Toledo, Ohio. Smoking and chewing tobacco and cigarrettes. 193,190; Sept. 2.

Pitton, James G., Denver, Colo. Parlor game. 198,472; Sept. 2.

Poll, William, Brooklyn, N. Y. Hats and caps for men. 195,715; Sept. 2.

Progressive Knitting Works, Inc., Brooklyn, N. Y. Silk fabrics and artificial silk knitted in the piece. 192,496; Sept. 2.

Prudential Shirt Company. (See Frankel, Irving A.)

Quigley, Loretto B., New York, N. Y. Collars. 181,960; Sept. 2.

Randolph Marketing Company, Los Angeles, Calif. Fresh fruits, vegetables, and cantaloupes. 198,882; Sept. 2.

Rentz, Mary E., doing business as Re-Salve Company, Catonsville, Md. Healing ointment. 199,322; Sept. 2.

Re-Salve Company. (See Rentz, Mary E.)

Rhine, Earl, doing business as Oelwein Chemical Company, Oelwein, Iowa. Mineralized feed. 196,763; Sept. 2.

Richardson & Company, Lowville, N. Y. Cheese. 189,640; Sept. 2.

Rosenberg, Morris S., New York, N. Y. Bracelets, finger rings, watch chains, etc. 184,215; Sept. 2.

Ross, E. W., Company, The. (See Bayley, W. D., trustee.)

Rudman & Scofield. (See Scofield, C. K.)

Rudnick, Israel, doing business as I. Rudnick Mfg. Co., Dallas, Tex. Men's fabric hats, work shirts, trousers, etc. 198,259; Sept. 2.

Russell Grader Manufacturing Company, Minneapolis, Minn. Road-grading machines. 200,283–7; Sept. 2.

Salant & Salant Inc., New York, N. Y. Work shirts. 197,773–4; Sept. 2.

Sanitol Company, The, assignor to Meilier Company, Perfumer, St. Louis, Mo. Perfume, toilet water, face powder, etc. 187,886; Sept. 2.

Sarafian, Sarkis, doing business as Sarafian Sohag Record Co., New York, N. Y. Phonograph records. 191,575; Sept. 2.

Sattels, Joseph T., doing business as Uncle Sam Electric Company, Plainfield, N. J. Induction coils. 198,887–8; Sept. 2.

Scaramelli, Henry, Inc., New York, N. Y. Cheese. 199,185; Sept. 2.

Schermerhorn Bros. Co., Chicago, Ill. Twine. 199,024; Sept. 2.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 199,247; Sept. 2.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports. 199,255; Sept. 2.

Scholl Manufacturing Company, Inc., Chicago, Ill. Pads and plasters for corns, etc. 199,256; Sept. 2.

Schreier, Konrad, Co., The, Sheboygan, Wis. Sirups used in the preparation of soft drinks. 199,231; Sept. 2.

Scientific Products, Inc., Chicago, Ill. Water softener and cleansing compound. 100,227; Sept. 2.

Scofield, C. K., doing business as Rudman & Scofield, New York, N. Y. Tin coffee boilers and coffee urns. 152,716; Sept. 2.

Security Mills, Knoxville, Tenn. Feed. 196,033; Sept. 2.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 194,671; Sept. 2.

Shafer, Albert W., Chicago, Ill. Men's outer suits, overcoats, reefers, and topcoats. 187,881; Sept. 2.

Shane & Hays, Brooklyn, N. Y. Brushes, mops, brooms, shoe daubers, etc. 197,837; Sept. 2.

Sharp & Dohme, Baltimore, Md.; New York, N. Y.; Chicago, Ill.; New Orleans, La.; St. Louis and Kansas City, Mo.; Atlanta, Ga.; Philadelphia, Pa.; and San Francisco, Calif. Germicide. 199,861; Sept. 2.

Smith, Forrest H., doing business as Korrene Chemical Company, Kinston, N. C. Mouth wash and preparation for the treatment of ulcerated gums, etc. 199,398; Sept. 2.

Sphinx Sanitary Appliance Co. (See Gimurtsina, Christos.)

Stahl, H. K., Company, St. Paul, Minn. Fluid for the treatment of gasoline. 199,501; Sept. 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Standard Cinema Corporation, New York, N. Y. Motion-picture films. 199,579; Sept. 2.

Standard Gypsum Company, San Francisco, Calif. Hard wall finishing and casting plaster. 184,770; Sept. 2.

Stanley Works, The, New Britain, Conn. Try-squares, rules, and levels. 196,834; Sept. 2.

Stanley Works, New Britain, Conn. Hammers, saws, bit braces, etc. 196,835; Sept. 2.

Staples, Herbert F., doing business as H. F. Staples & Co., Medford, Mass. Floor wax. 199,262; Sept. 2.

Steel Stamping Company, Lorain, Ohio. Toy telephone. 200,125; Sept. 2.

Stein, S., & Co., New York, N. Y. Woolen cloths in the piece intended for suitings, etc. 164,460; Sept. 2.

Stewart, E. D., doing business as Trinity Medicine Co., Dallas, Tex. Preparation for use in cases of painful menstruation. 199,863; Sept. 2.

Strauss, Levi, and Company, San Francisco, Calif. Hosiery. 194,887; Sept. 2.

Supre-Lustre Products Company, Brooklyn, N. Y. Polishes. 197,966; Sept. 2.

Sykes, Sir Charles, & Sons, Limited, Netherdale, Galashiels, Scotland. Men's overcoats, topcoats, and suits and women's cloaks, etc. 198,386; Sept. 2.

Tannenbaum, August, et al. (See Wool Novelty Co., Inc., assignor.)

Tannenbaum, David, et al. (See Wool Novelty Co., Inc., assignor.)

Taylor, J. B., San Diego, Calif. Healing salves. 198,826; Sept. 2.

Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes. 194,754; Sept. 2.

Thompson, Henry G., & Son Co., The, New Haven, Conn. Hack-saw blades and hack-saw frames. 191,991; Sept. 2.

Toch Brothers, Incorporated, New York, N. Y. Paints and paint enamels. 199,134; Sept. 2.

Trinity Medicine Co. (See Stewart, E. D.)

Tru-Blu Biscuit Company, also doing business as Krause's, Spokane, Wash. Candy. 184,997; Sept. 2.

Uncle Sam Electric Company. (See Sattels, Joseph T.)

Vau Ess Laboratories, Inc., Chicago, Ill. Shampoo. 199,409; Sept. 2.

Vivo Life-Blood Co. (See Gardner, Estella M.)

Vogt, Benedict F., doing business as Vogt Manufacturing Company, Louisville, Ky. Refrigerators. 193,978; Sept. 2.

Walliser, H. F., Company, Chicago, Ill. Fringes, edging, galloons, etc. 195,996; Sept. 2.

Warren Company, The, Atlanta, Ga. Paints, stains, varnishes, and paint enamels. 197,572; Sept. 2.

Washburn-Crosby Company, Minneapolis, Minn. Durum wheat flour. 177,756; Sept. 2.

Washington Berry Grower Pkg. Corp., Sumner, Wash. Canned fruits, berries, and vegetables. 198,896; Sept. 2.

Western Grain Company, Birmingham, Ala. Feed. 185,092; Sept. 2.

White, George S., Los Angeles, Calif. Therapeutic pads. 198,834–5; Sept. 2.

White Tar Company, The, New York, N. Y. Mothproof garment bags. 198,203; Sept. 2.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Announcement and mailing envelopes. 196,722; Sept. 2.

Willey Co. Inc., The, Philadelphia, Pa. Clothes-ironing calenders. 194,762; Sept. 2.

Williams, C. B., doing business as C. B. Williams Company, San Francisco, Calif. Fresh deciduous fruits. 199,766; Sept. 2.

Willmore Laboratory, St. Louis, Mo. Polishing compound or dressing for automobile bodies. 199,101; Sept. 2.

Winchester Repeating Arms Company. (See Federal Cartridge Corp.)

Winchester Repeating Arms Company, New Haven, Conn. Paper shot shells and metal cartridges. 193,147; Sept. 2.

Wool Novelty Co., Inc., doing business as Dolly Gray, New York, assignor to D. Tannenbaum and A. Tannenbaum, Brooklyn, N. Y. Knitted outer garments. 179,445; Sept. 2.

Youmans, Arthur C., San Francisco, Calif. Memorandum books. 199,412; Sept. 2.

Zain, George, doing business as Crocker Pen Mfg. Company, Boston, Mass. Fountain pens and pencils. 199,138–9; Sept. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Bristles, calfskins, camel's hair and wool, raw cotton, etc. Chandless & Co. 188,766; Sept. 2; Serial No. 195,489; published June 17, 1924.

Carbonized fuel and coke. City Ice & Fuel Company, The. 188,593; Sept. 2; Serial No. 159,696; published June 17, 1924.

Coal. Harrisburg Colliery Company. 188,794; Sept. 2; Serial No. 194,187; published June 17, 1924.

Coal. C. L. Ryley Coal Company. 188,626; Sept. 2; Serial No. 186,027; published June 17, 1924.

Coal. N. H. Swayne. 188,808; Sept. 2; Serial No. 196,321; published June 24, 1924.

Coal, carbonized fuel, and coke. J. P. Burton Coal Company. 188,840; Sept. 2; Serial No. 194,524; published June 17, 1924.

Cotton bats. Carson Pirie Scott & Co. 188,677; Sept. 2; Serial No. 195,942; published June 24, 1924.

Cotton bats. Carson Pirie & Co. 188,679–80; Sept. 2; Serial Nos. 195,945–6; published June 24, 1924.

Mother-of-pearl in bulk. J. Paisseau. 188,782; Sept. 2; Serial No. 193,620; published May 27, 1924.

CLASS 4.

Burnishing Compounds. Kent-Moore Organization. 188,811; Sept. 2; Serial No. 196,597; published June 24, 1924.

Cleaner for metals, porcelain, etc. W. Frank. 188,804; Sept. 2; Serial No. 195,167; published June 24, 1924.

Cleaner used in hotels, schools, etc. Dearborn Chemical Company. 188,806; Sept. 2; Serial No. 195,871; published June 24, 1924.

Cleaning compounds, Industrial. Magnuson Products Corporation. 188,807; Sept. 2; Serial No. 195,969; published June 24, 1924.

Cleaning, scouring, and polishing composition. Barnsdall Tripoli Products Corporation. 188,815; Sept. 2; Serial No. 195,151; published June 10, 1924.

Cleaning, shining, and polishing shoes and all leather articles, Preparations for. Herriott Polish Company. 188,871–2; Sept. 2.

Glass, etc., Cleaner for. Skybryte Company. 188,799; Sept. 2; Serial No. 188,330; published June 24, 1924.

Preparation for cleaning silver and aluminum ware. J. E. Ellsworth. 188,822; Sept. 2; Serial No. 194,855; published June 10, 1924.

Soap. Los Angeles Soap Company. 188,825; Sept. 2; Serial No. 194,458; published June 10, 1924.

Soap. E. W. Rose Company. 188,812; Sept. 2; Serial No. 196,764; published June 24, 1924.

Soap, Liquid. Sulpho-Napthol Company. 188,810; Sept. 2; Serial No. 196,411; published June 24, 1924.

Soap, Liquid toilet. Aktiengesellschaft vormals B. Siegfried. 188,795; Sept. 2; Serial No. 186,575; published June 24, 1924.

Soap, soap powders, chip soap, sweeping compound. R. B. Martie. 188,823; Sept. 2; Serial No. 194,807; published June 10, 1924.

Soaps. United Retail Chemists Corporation. 188,809; Sept. 2; Serial No. 196,324; published June 24, 1924.

Soaps, also nonedible oils and compounds thereof. Deecy Products Company. 188,744; Sept. 2; Serial No 180,329; published June 10, 1924.

Steel wool. American Steel Wool Mfg. Co. 188,734; Sept. 2; Serial No. 194,896; published June 10, 1924.

CLASS 6.

Acid, Perchloric. E. C. Walker, 3d. 188,819; Sept. 2; Serial No. 195,085; published June 17, 1924.

Alcohol, Rubbing. Lehn & Fink, Inc. 188,836; Sept. 2; Serial No 194,358; published June 17, 1924.

Ampuls or carpules containing medicaments. Cook Laboratories, Inc. 188,861; Sept. 2.

Antiseptic powder. R. Le Blanc. 188,818; Sept. 2; Serial No. 195,112; published June 17, 1924.

Bleacher, Laundry. G. E. Redoute. 188,720; Sept. 2; Serial No. 193,072; published June 17, 1924.

Bluing, Laundry. G. E. Redoute. 188,721; Sept. 2; Serial No. 193,073; published June 17, 1924.

Brow and lip sticks, rouge, clay pack, and cream. Normas Cosmetic Distributing Co. 188,576; Sept. 2; Serial No. 176,033; published June 17, 1924.

Chemical preparation for the treatment of the skin. D. A. Bennett. 188,730; Sept. 2; Serial No. 196,150; published June 17, 1924.

Clay and cream, hair restorer, etc., Complexion. M. Sullivan. 188,639; Sept. 2; Serial No. 182,780; published June 17, 1924.

Clay, cream, and powder, etc., Complexion. M. Sullivan. 188,616; Sept. 2; Serial No. 182,779; published June 17, 1924.

Compound for the treatment of bronchitis, hay fever, etc. Starke Pharmaceutical Co. 188,735; Sept. 2; Serial No. 194,822; published June 24, 1924.

Cream and massage cream, Cold. F. N. Lewis. 188,862; Sept. 2.

Creams, extracts, toilet waters, etc., Face and toilet. Louis Philippe, Inc. 188,729; Sept. 2; Serial No. 196,191; published June 17, 1924.
Dentifrices. D. Hally-Smith. 188,628; Sept. 2; Serial No. 191,020; published June 24, 1924.
Disinfectant. Sulpho-Napthol Company. 188,692; Sept. 2; Serial No. 196,412; published June 17, 1924.
Disinfectants, Odorous. M. Little-Noss. 188,817; Sept. 2; Serial No. 195,113; published June 17, 1924.
Douche powder, Antiseptic. W. D. Stroud. 188,625; Sept. 2; Serial No. 187,141; published June 17, 1924.
Dressing for cuts or wounds. W. J. Picard. 188,637; Sept. 2; Serial No. 178,187; published June 17, 1924.
Exterminator and insecticide. F. W. Kaempfer. 188,753; Sept. 2; Serial No. 196,247; published June 17, 1924.
Face cream, perfumes, toilet waters, rouges, etc. Baldwin Perfumery Co. 188,736; Sept. 2; Serial No. 194,771; published June 24, 1924.
Fluid, disinfectant, perfume, etc., Undertakers' cavity. Steril Manufacturing Company. 188,873; Sept. 2.
Hairdressing. E. E. Stallings. 188,723; Sept. 2; Serial No. 193,138; published June 17, 1924.
Hair tints. Farbenfabriken vorm. Friedr. Bayer & Co. 188,756; Sept. 2; Serial No. 196,013; published June 17, 1924.
Hair tonic and soap bark for hair. L. Tepiltz. 188,696; Sept. 2; Serial No. 196,557; published June 17, 1924.
Hog remedies. E. G. Chinburg. 188,698; Sept. 2; Serial No. 178,223; published June 24, 1924.
Hypophysis crebri and epinephrin used in the treatment of asthma, etc., Combination of desiccated. Drug Products Co. 188,686; Sept. 2; Serial No. 196,371; published June 17, 1924.
Ink remover. L. Alpers. 188,882; Sept. 2.
Insecticide spray. H. B. Sheldon. 188,844; Sept. 2; Serial No. 194,672; published June 17, 1924.
Insecticides. D. Mills. 188,697 Sept. 2; Serial No. 175,434; published June 24, 1924.
Insecticides. Muskogee Chemical Manufacturing Company. 188,671; Sept. 2; Serial No. 195,234; published June 24, 1924.
Medical application for treatment of leucorrhea, painful or irregular menstruation, etc. H. Nevins. 188,737; Sept. 2; Serial No. 192,922; published June 24, 1924.
Medical preparation for coughs and colds. M. G. Gibbs. 188,875; Sept. 2.
Medicinal compound, Liquid. F. S. Burnham. 188,713; Sept. 2; Serial No. 192,754; published June 17, 1924.
Medicinal dip preparation for animals. Shores-Mueller Company. 188,845; Sept. 2; Serial No. 194,737; published June 17, 1924.
Medicinal preparation. R. E. Bartlett. 188,717; Sept. 2; Serial No. 196,643; published June 17, 1924.
Medicine. Boeder & Jarrett. 188,646; Sept. 2; Serial No. 192,753; published June 24, 1924.
Medicine. Colotone Laboratories. 188,638; Sept. 2; Serial No. 182,702; published June 17, 1924.
Medicine. G. A. Pavich. 188,746; Sept. 2; Serial No. 168,141; published June 24, 1924.
Medicine. Smith, Kline & French Co. 188,654; Sept. 2; Serial No. 194,641; published June 24, 1924.
Medicine. E. L. Welbourn. 188,895; Sept. 2.
Medicine Proprietary. F. F. Witte. 188,750; Sept. 2; Serial No. 196,561; published June 17, 1924.
Medicines. J. A. Belyea, M. D. 188,793; Sept. 2; Serial No. 194,155; published June 17, 1924.
Medicines, Dog. Chloride "C. P." Co. 188,739; Sept. 2; Serial No. 192,601; published June 24, 1924.
Medicines for rheumatism, Malaria etc. J. F. Farmer. 188,635; Sept. 2; Serial No. 174,431; published June 17, 1924.
Nail powders, creams and bleaches, cuticle removers, etc. J. Hilgers. 188,733; Sept. 2; Serial No. 196,115; published June 17, 1924.
Oil, Mineral. Standard Oil Company (New Jersey). 188,858; Sept. 2.
Oil, Miscible. James Good, Inc. 188,742; Sept. 2; Serial No. 189,501; published Feb. 5, 1924.
Ointment. Leroy Laboratories, Inc. 188,675; Sept. 2; Serial No. 195,823; published June 24, 1924.
Ointment. H. H. Mayer. 188,657; Sept. 2; Serial No. 195,751; published June 24, 1924.
Ointment. F. E. Sunden. 188,636; Sept. 2; Serial No. 177,024; published June 17, 1924.
Ointment for animals, Liquid healing. M. A. Smith. 188,846; Sept. 2; Serial No. 194,740; published June 17, 1924.
Ointments, hairdressing, cold creams, etc. Bickmore Company. 188,885; Sept. 2.
Perfumery and cosmetics. Parfumerie de la Societe Hygienique Cottan-Porte & Cie. 188,893; Sept. 2.
Perfumes. George W. Button Corp. 188,710; Sept. 2; Serial No. 192,305; published June 17, 1924.
Perfumes. Jay-Thorpe, Inc. 188,741; Sept. 2; Serial No. 192,178; published June 24, 1924.
Perfumes, toilet waters, creams, etc. Baldwin Perfumery Co. 188,666; Sept. 2; Serial No. 194,972; published June 17, 1924.
Perfumes, toilet waters, lotion for the skin and hair, etc. M. Roussel. 188,656; Sept. 2; Serial No. 195,774; published June 24, 1924.
Petrolatum, white mineral oil petroleum ether, etc. Standard Oil Co. (New Jersey). 188,859; Sept. 2.
Pharmaceutical preparations for human use and veterinary purposes. Chemische Fabrik "Norgine." 188,841; Sept. 2; Serial No. 194,528; published June 10, 1924.
Plasters. M. P. Bastiani. 188,835; Sept. 2; Serial No. 194,322; published June 17, 1924.
Powder and creams, hair tonics, rouges, etc., Face. V. Vivaudou, Inc. 188,834; Sept. 2; Serial No. 194,314; published June 17, 1924.
Preparation for the treatment of eczema. J. B. Jones. 188,658; Sept. 2; Serial No. 195,747; published June 24, 1924.
Preparation for treating of ringworm, ground itch, etc. J. De Laney. 188,856; Sept. 2.
Preparation for treatment of rheumatism, sciatica, lumbago, etc. Volta Company of America, Inc. 188,814; Sept. 2; Serial No. 194,582; published June 24, 1924.
Preparation, Sweet dietetic. H. A. Metz Laboratories, Inc. 188,731; Sept. 2; Serial No. 196,129; published June 17, 1924.
Preparation to remove symptoms of diabetes mellitus. Lafayette Pharmacal Co. 188,653; Sept. 2; Serial No. 193,341; published June 24, 1924.
Remedy, Fistula and poll-evil. H. C. Christiance. 188,726; Sept. 2; Serial No. 196,293; published June 17, 1924.
Remedy for acid stomach, etc. Hance Brothers & White, Incorporated. 188,694; Sept. 2; Serial No. 196,520; published June 17, 1924.
Rouge, lip stick, face powder, etc. Armand Company. 188,894; Sept. 2.
Rouges and face powder. Pompeian Mfg. Company. 188,629; Sept. 2; Serial No. 190,976; published June 17, 1924.
Salve. I. M. Caldwell. 188,674; Sept. 2; Serial No. 195,152; published June 17, 1924.
Salves or ointments. E. L. Stanley. 188,745; Sept. 2; Serial No. 176,291; published June 24, 1924.
Shampoo. Guaranteed Products, Inc. 188,727; Sept. 2; Serial No. 196,244; published June 17, 1924.
Shampoo, lilac and violet vegetal, toilet water, and lemon cream. La Salle Company. 188,732; Sept. 2; Serial No. 196,126; published June 17, 1924.
Tablet, Headache. Sharp & Dohme. 188,728; Sept. 2; Serial No. 196,198; published June 17, 1924.
Tablets, Stomach. L. J. Straight. 188,820; Sept. 2; Serial No. 195,025; published June 24, 1924.
Tablets used in the treatment of diabetes. Drug Products Co. 188,687; Sept. 2; Serial No. 196,372; published June 17, 1924.
Tea, Indian herb. Iroquois Famous Indian Remedies, Inc. 188,851; Sept. 2; Serial No. 194,872; published June 17, 1924.
Toilet balm, toilet cream, massage cream, liquid shampoo. J. K. Neagley. 188,743; Sept. 2; Serial No. 186,963; published June 24, 1924.
Toilet preparations. D. Jaquet. 188,848–9; Sept. 2; Serial Nos. 194,801–2; published June 17, 1924.
Tonic laxative. Virginia Dare Extract Co. 188,666; Sept. 2; Serial No. 195,437; published June 24, 1924.
Tooth paste and mouth wash. J. A. Brogdon. 188,838; Sept. 2; Serial No. 194,393; published June 17, 1924.
Vaccines. Parke, Davis & Company. 188,748–9; Sept. 2; Serial Nos. 196,616–17; published June 17, 1924.

CLASS 7.

Twine, rope, etc. Schermerhorn Bros. Co. 188,594–5; Sept. 2; Serial Nos. 195,193–4; published June 10, 1924.
Twine, rope, string, and cordage. Schermerhorn Bros. Co. 188,599–602; Sept. 2; Serial Nos. 195,076–9; published June 10, 1924.
Twine, rope, string, and cordage. Schermerhorn Bros. Co. 188,774; Sept. 2; Serial No. 195,195; published June 10, 1924.

CLASS 8.

Trays, Ash. Bristol Industries, Inc. 188,890; Sept. 2.

CLASS 11.

Ink, Etching. C. Frederiksen. 188,874; Sept. 2.
Inked ribbons and carbon papers. Miller-Bryant-Pierce Company. 188,869; Sept. 2.
Inks, Printing. J. M. Huber, Inc. 188,716; Sept. 2; Serial No. 192,839; published June 17, 1924.
Inks, Stencil, marking, printing, etc. Markwell Manufacturing Company. 188,860; Sept. 2.

CLASS 12.

Asphalt roofing, flooring, etc. Lehon Company. 188,783; Sept. 2; Serial No. 193,715; published June 10, 1924.
Blocks or tiles, Hollow building. Denison Interlocking Tile Corporation. 188,892; Sept. 2.
Brick. Poston Brick Company. 188,574; Sept. 2; Serial No. 177,198; published June 10, 1924.
Brick and refractory cement, Fire. Parker-Russell Mining and Manufacturing Company. 188,758; Sept. 2; Serial No. 195,833; published June 10, 1924.
Brick and refractory cements, Fire. Harbison-Walker Refractories Company. 188,715; Sept. 2; Serial No. 192,836; published June 10, 1924.
Brick, Fire. Kier Fire Brick Co. 188,772; Sept. 2; Serial No. 195,230; published June 10, 1924.

Cement ingredient, Antifreeze. Bridgeport Stone Co. 188,833; Sept. 2; Serial No. 194,253; published June 10, 1924.
Cement, Refractory. Laclede-Christy Clay Products Company. 188,897; Sept. 2.
Gratings for floorings and staircases, Metal. Irving Iron Works Company. 188,712; Sept. 2; Serial No. 192,573; published June 10, 1924.
Lumber, wall board, etc. O'Neil Lumber Company. 188,779; Sept. 2; Serial No. 193,536; published June 10, 1924.
Lumber, wall board, etc. O'Neil Lumber Company. 188,780; Sept. 2; Serial No. 193,537; published June 10, 1924.
Pavements or roadways and paving material. C. B. Filbert. 188,714; Sept. 2; Serial No. 192,824; published June 24, 1924.

CLASS 13.

Cooker or baker. E. F. Maybaum. 188,829; Sept. 2; Serial No. 193,606; published June 24, 1924.
Shade supports, Adjustable. L. Sacks. 188,649; Sept. 2; Serial No. 192,858; published June 24, 1924.
Toilet seats. Crocker Chair Company. 188,916–17; Sept. 2.

CLASS 14.

Metals, Brass, and bronze ingots, etc., Babbitt. Belmont Smelting & Refining Works, Inc. 188,919; Sept. 2.
Steel forgings. A. Finkl & Sons Company. 188,831; Sept. 2; Serial No. 195,513; published June 24, 1924.

CLASS 16.

Oil, Special heavy-bodied paint. James B. Sipe & Company. 188,887; Sept. 2.
Paints and semipaste stains, Paste. James B. Sipe & Company. 188,886; Sept. 2.
Wax, Liquid. Devoe & Raynolds Co. 188,867; Sept. 2.

CLASS 19.

Automobile bumpers and parts thereof. Biflex Products Company. 188,708; Sept. 2; Serial No. 191,744; published May 27, 1924.
Automobile number-plate frames. Utility Manufacturing and Sales Corporation. 188,757; Sept. 2; Serial No. 195,846; published June 10, 1924.
Automobile visors. Grigsby-Grunow-Hinds Co. 188,584; Sept. 2; Serial No. 171,494; published May 27, 1924.
Automobiles and constructive parts thereof. Packard Motor Car Company. 188,630; Sept. 2; Serial No. 189,946; published June 10, 1924.
Boats, Motor. Horace E. Dodge Boat Works. 188,724; Sept. 2; Serial No. 193,160; published June 10, 1924.
Car bodies, parts, and accessories, Motor. Carrosserie Van Den Plas, Société Anonyme. 188,618–19; Sept. 2; Serial Nos. 177,829–30; published June 17, 1924.
Springs and spring attachments for vehicles. Weston Anti Vibrator and Non-Skid Manufacturing Company. 188,792; Sept. 2; Serial No. 194,145; published May 20, 1924.
Trucks, Hand. Sturdi-Truck Manufacturing Co. 188,627; Sept. 2; Serial No. 191,419; published June 10, 1924.
Vehicles, Dumping Lee Trailer & Body Company. 188,791; Sept. 2; Serial No. 194,114; published June 10, 1924.
Wheels, Vehicle. Rubwood Inc. 188,785; Sept. 2; Serial No. 193,784; published May 27, 1924.

CLASS 21.

Cleaners, Electric suction. Apex Electrical Manufacturing Company. 188,621; Sept. 2; Serial No. 188,518; published June 17, 1924.
Condensers, Variable. Chelten Electric Company. 188,612; Sept. 2; Serial No. 194,908; published June 17, 1924.
Electrical connecting plug. Pacent Electric Company. 188,904; Sept. 2.
Engines, Spark plugs for. C. Schmidt. 188,620; Sept. 2; Serial No. 188,863; published Apr. 29, 1924.
Headlight controllers. Rite-Lite Company. 188,781; Sept. 2; Serial No. 193,542; published June 17, 1924.
Insulators, Electric. Trenton Porcelain Company. 188,591; Sept. 2; Serial No. 163,014; published June 17, 1924.
Lightning arresters, Insulators for. Trenton Porcelain Company. 188,592; Sept. 2; Serial No. 163,013; published June 17, 1924.
Motors, dynamos, fans, and switches, Electrical. Knapp Electric Corporation. 188,868; Sept. 2.
Radio apparatus. H. H. Frost. 188,586–7; Sept. 2; Serial Nos. 170,132–3; published June 17, 1924.
Radio apparatus. Manufacturers Phonograph Co. 188,787; Sept. 2; Serial No. 193,844; published June 17, 1924.
Radiocrystals. Mineral Products Company. 188,884; Sept. 2.
Radio or wireless merchandise. A. Wellington. 188,707; Sept. 2; Serial No. 191,584; published June 17, 1924.
Radio receiving and transmitting sets and parts used in the construction thereof. National Radio Co. 188,896; Sept. 2.
Radio receiving sets. G. A. Turner. 188,596; Sept. 2; Serial No. 195,143; published June 17, 1924.
Radio receiving sets. United Cigar Stores Co. of America. 188,631; Sept. 2; Serial No. 189,924; published June 17, 1924.
Radio receiving sets and parts therefor, Complete. Freed-Eisemann Radio Corporation. 188,898; Sept. 2.
Radio receiving sets, loud speakers, and horns. Morrison Laboratories, Inc. 188,706; Sept. 2; Serial No. 191,499; published June 17, 1924.
Radio transformers and hot plates. National Transformer Mfg. Co. 188,610; Sept. 2; Serial No. 194,936; published June 17, 1924.
Signs and electric-lighting systems for show cases, Illuminated electric. Electro-Metallic Products Corporation. 188,717; Sept. 2; Serial No. 192,904; published June 17, 1924.
Spark plugs. J. Ingels. 188,903; Sept. 2.
Stokers, Electric automatic. Domestic Stoker Company. 188,711; Sept. 2; Serial No. 192,522; published June 17, 1924.
Telephone silencers. S. T. Cohane. 188,614; Sept. 2; Serial No. 184,122; published Dec. 18, 1923.
Vacuum cleaners, blowers, and suction apparatus and parts thereof, Electric. Clements Mfg. Co. 188,899; Sept. 2.
Vario couplers. C. L. Thurman. 188,771; Sept. 2; Serial No. 195,317; published June 17, 1924.

CLASS 22.

Game. Pung-Chow Company. 188,796; Sept. 2; Serial No. 179,111; published May 29, 1923.
Trolling spoons. Al Wilson Company. 188,901; Sept. 2.

CLASS 23.

Check protectors. Defiance Manufacturing Corporation. 188,906; Sept. 2.
Joints, Universal. International Motor Company. 188,909; Sept. 2.
Knives, Kitchen. Joseph Ross & Company. 188,644; Sept. 2; Serial No. 192,546; published June 24, 1924.
Knives, Table and carving. Oneida Community, Ltd. 188,650; Sept. 2; Serial No. 192,924; published June 24, 1924.
Pulley covering, Canvas. E. E. Hawes. 188,660; Sept. 2; Serial No. 195,686; published June 24, 1924.
Pumps and spraying apparatus, Spray. Skinner Machinery Co. 188,905; Sept. 2.
Pumps, Grease. Lubricating Service Company. 188,863; Sept. 2.
Pumps, Paper-mill. Frederick Iron and Steel Company. 188,839; Sept. 2; Serial No. 194,399; published June 3, 1924.
Ring spinning and twisting travelers. National Ring Traveler Co. 188,640; Sept. 2; Serial No. 189,910; published June 24, 1924.
Road machines. Austin Manufacturing Co. 188,821; Sept. 2; Serial No. 194,899; published June 24, 1924.
Saw sets. Stanley Works. 188,670; Sept. 2; Serial No. 195,242; published June 24, 1924.
Shovels, Mechanical. Hoar Shovel Company. 188,915; Sept. 2.
Street-traffic-control indicator. Traffic Sign & Signal Co. 188,824; Sept. 2; Serial No. 194,495; published June 24, 1924.
Switch stands. Ramapo Ajax Corporation. 188,648; Sept. 2; Serial No. 192,856; published June 24, 1924.
Tool bits, milling cutters, rotary saws, etc. Gorham Tool Company. 188,923; Sept. 2.
Tools. W. A. Whiting Manufacturing Company. 188,662; Sept. 2; Serial No. 195,560; published June 24, 1924.
Transmission apparatus and parts thereof, Belt-power-Bird Machine Company. 188,642; Sept. 2; Serial No. 192,005; published June 24, 1924.
Well working barrels, Oil-. Bradford Motor Works. 188,676; Sept. 2; Serial No. 195,859; published June 24, 1924.
Winders and gassing machines for yarn, etc., Cone and tube. Foster Machine Company. 188,655; Sept. 2; Serial No. 195,813; published June 24, 1924.

CLASS 26.

Centrifuges, Electric. Shelton Electric Co. 188,907; Sept. 2.
Globes and tellurians, Geographical. Weber Costello Co. 188,827; Sept. 2; Serial No. 193,871; published June 24, 1924.
Liquid measuring and dispensing apparatus. St. Louis Pump & Equipment Company. 188,816; Sept. 2; Serial No. 195,138; published June 24, 1924.
Measuring instruments, Electrical. Jewell Electrical Instrument Co. 188,645; Sept. 2; Serial No. 192,574; published June 24, 1924.
Temperature and draft regulating and controlling instruments. Honeywell Heating Specialties Company. 188,577; Sept. 2; Serial No. 175,395; published Sept. 11, 1923.

CLASS 27.

Clocks. New Haven Clock Co. 188,876; Sept. 2.
Watchcases. American Watch Import Company. 188,581; Sept. 2; Serial No. 173,736; published Apr. 24, 1923.
Watches. Gruen Watch Company. 188,922; Sept. 2.
Watches and watch movements. Korones Brothers. 188,754; Sept. 2; Serial No. 196,124; published June 17, 1924.
Watches and watch parts. S. H. De Roy & Company. 188,760; Sept. 2; Serial No. 195,805; published June 17, 1924.

Watch movements. Morris Rosenbloom & Co. 188,617; Sept. 2; Serial No. 188,064; published June 17, 1924.
Watches, watchcases, watch movements, and parts thereof. Savoy Watch Co. 188,608–9; Sept. 2; Serial Nos. 194,950–1; published June 17, 1924.
Watches, watch movements, and watchcases. Katz & Ogush, Inc. 188,761; Sept. 2; Serial No. 195,692; published June 17, 1924.

CLASS 28.

Bracelets. Marathon Company. 188,888; Sept. 2.
Buttons, Collar. B. A. Ballou & Co. 188,603; Sept. 2; Serial No. 195,044; published June 17, 1924.
Cuff links. McRae & Keeler, Inc. 188,776; Sept. 2; Serial No. 193,302; published June 17, 1924.
Earrings, hatpins, brooches, etc. Miller Brothers. 188,575; Sept. 2; Serial No. 176,800; published May 8, 1923.
Jewelry, Platinum. Triangle Jewelry Company. 188,790; Sept. 2; Serial No. 193,972; published June 17, 1924.
Necklaces, Bead. James McCutcheon & Company. 188,775; Sept. 2; Serial No. 193,235; published June 17, 1924.
Pearls. Francis Winter et Cie. 188,784; Sept. 2; Serial No. 193,743; published June 17, 1924.
Pins, belt chains, etc., Collar. Dolan & Bullock. 188,722; Sept. 2; Serial No. 193,096; published June 17, 1924.
Rings, Finger. A. E. Johnson. 188,767; Sept. 2; Serial No. 195,450; published June 17 1924.
Silk and wire, Braided. L. F. Rosenberg. 188,883; Sept. 2.
Silver hollow ware. Bernard Rice's Sons, Inc. 188,604; Sept. 2; Serial No. 195,019; published June 17, 1924.
Silver-plated table and hollow ware and articles plated with precious metals. T. N. Benedict Mfg. Co. 188,589; Sept. 2; Serial No. 167,671; published Sept. 4, 1923.

CLASS 32.

Bathroom fixtures. Fairfacts Company. 188,805; Sept. 2; Serial No. 195,809; published June 24, 1924.
Cabinets, Display. Pacific Coast Biscuit Company. 188,866; Sept. 2.
Cushions. E. Brook Brantly and William E. Norvell, jr. 188,632; Sept. 2; Serial No. 189,445; published June 10, 1924.
Furniture, Household. Marshall Field & Company. 188,802; Sept. 2; Serial No. 193,912; published June 24, 1924.
Mattresses, springs, and pillows. L. Cohen. 188,803; Sept. 2; Serial No. 194,258; published June 24, 1924.
Pens, Play. Caldwell Manufacturing Company. 188,773; Sept. 2; Serial No. 195,210; published June 10, 1924.
Tables, Card. Metal Stampings Corporation. 188,597; Sept. 2; Serial No. 195,116; published June 10, 1924.
Tassels, Shade. F. W. Maurer & Sons Co. 188,611; Sept. 2; Serial No. 194,932; published June 10, 1924.

CLASS 33.

Glassware, Druggists'. J. P. Richards. 188,634; Sept. 2; Serial No. 175,907; published June 24, 1924.

CLASS 34.

Furnaces, ranges, and stoves, Gas. Sunray Stove Company. 188,763–4; Sept. 2; Serial Nos. 195,551–2; published June 17, 1924.
Furnaces, Warm-air-circulating. Tulsa Stove and Foundry Company. 188,725; Sept. 2; Serial No. 196,490; published June 24, 1924.
Stoves, Coal, gas, and wood. Sunray Stove Company. 188,852; Sept. 2; Serial No. 194,888; published June 17, 1924.
Stoves, Coal, wood, and gas. Sunray Stove Company. 188,613; Sept. 2; Serial No. 194,890; published June 17, 1924.

CLASS 35.

Belt-fastening plates, laces, etc. Crescent Belt Fastener Company. 188,719; Sept. 2; Serial No. 192,962; published June 10, 1924.
Gaskets. McCord Radiator & Mfg. Co. 188,809; Sept. 2; Serial No. 191,078; published June 10, 1924.
Packing. New York Belting and Packing Company. 188,788; Sept 2; Serial No. 193,947; published June 10, 1924.
Packing, Stuffing-box. Cee-Dee Mfg. Co. 188,578; Sept. 2; Serial No. 174,125; published June 3, 1924.
Packing, Stuffing-box. Cee-Dee Mfg. Co. 188,579–80; Sept. 2; Serial Nos. 173,995–6; published June 10, 1924.
Piston rings. Gill Manufacturing Company. 188,585; Sept. 2; Serial No. 171,075; published June 17, 1924.
Rubber repair outfits. J. J. Fuchs. 188,709; Sept. 2; Serial No. 192,250; published June 10, 1924.
Tire patches. St. Louis Rubber Cement Co. 188,853; Sept. 2.
Tires and tubing, Rubber. Sterling Tire Corporation. 188,891; Sept. 2.
Tires, auto tire flaps, reliners, etc., Elastic vehicle. Selberling Rubber Company. 188,590; Sept. 2; Serial No. 164,563; published June 10, 1924.
Tires, Retreaded automobile. Huntington Rubber Mills. 188,582; Sept. 2; Serial No. 171,919; published June 10, 1924.
Tubes, tires, Inner. Columbia Tire and Rubber Company. 188,615; Sept. 2; Serial No. 185,108; published May 27, 1924.

CLASS 36.

Banjos, vellum sounding boards, strings and bridges, and banjo parts. W. L. Lange. 188,768; Sept. 2; Serial No. 195,405; published June 17, 1924.

CLASS 38.

Cards, post cards, and greetings. Greetrite, Inc. 188,801; Sept. 2; Serial No. 192,528; published June 24, 1924.
Cartoons, Series of. F. Fox. 188,651; Sept. 2; Serial No. 193,098; published June 10, 1924.
Labels. Pasbach-Voice Lithographing Co. 188,828; Sept. 2; Serial No. 193,725; published June 10, 1924.
Magazine. J. F. O'Hara. 188,759; Sept. 2; Serial No. 195,830; published June 17, 1924.
Magazine. R. R. Street & Co. 188,843; Sept. 2; Serial No. 194,626; published June 10, 1924.
Magazine, Stuyvesant Company. 188,718; Sept. 2; Serial No. 192,938; published June 10, 1924.
Magazine, Monthly. Building Age and The Builders' Journal. 188,663; Sept. 2; Serial No. 188,886; published June 10, 1924.
Magazine, Monthly. Constructive Publishing Corporation. 188,673; Sept. 2; Serial No. 195,157; published June 17, 1924.
Magazine, Monthly. New Metropolitan Fiction, Inc. 188,672; Sept. 2; Serial No. 195,178; published June 17, 1924.
Magazine, Monthly. Reincke-Ellis Company. 188,669; Sept. 2; Serial No. 195,302; published June 17, 1924.
Magazine, Semimonthly. American Cotton Association. 188,837; Sept. 2; Serial No. 194,388; published June 10, 1924.
News items. State Journal Company. 188,777; Sept. 2; Serial No. 193,367; published June 10, 1924.
Newspaper articles. J. M. Prickett. 188,797; Sept. 2; Serial No. 192,085; published June 24, 1924.
Periodical. R. C. Banker & Company. 188,683; Sept. 2; Serial No. 196,327; published June 17, 1924.
Periodical. House Beautiful Publishing Company. 188,690; Sept. 2; Serial No. 196,389; published June 17, 1924.
Periodical. Living Age Company. 188,661; Sept. 2; Serial No. 195,584; published June 17, 1924.
Photographs. Airmap Corporation of America. 188,598; Sept. 2; Serial No. 195,088; published May 27, 1924.
Publication. Delta Tau Delta Fraternity. 188,826; Sept. 2; Serial No. 194,337; published June 10, 1924.
Publication. Fourth Estate Publishing Company. 188,813; Sept. 2; Serial No. 197,243; published June 24, 1924.
Publication. Glasco Electric Co. 188,665; Sept. 2; Serial No. 195,512; published June 17, 1924.
Publication. Insurance Pictorial. 188,691; Sept. 2; Serial No. 196,390; published June 17, 1924.
Publication, Monthly. Toncan Metal Culvert Association. 188,681; Sept. 2; Serial No. 196,215; published June 17, 1924.
Publication, Periodic. B. M. Bedney. 188,842; Sept. 2; Serial No. 194,586; published June 10, 1924.
Publication, Periodical. Patriotic American Publishing Company. 188,664; Sept. 2; Serial No. 195,537; published June 17, 1924.

CLASS 39.

Scarfs, sweaters, shawls, etc. Lion Knitting Mills Company. 188,624; Sept. 2; Serial No. 187,582; published June 3, 1924.

CLASS 40.

Elastic and nonelastic web and braid, Narrow. Rhode Island Web Company. 188,832; Sept. 2; Serial No. 193,356; published June 10, 1924.
Elastic webbing, bias tape, combs, etc., Narrow. Berg Brothers. 188,622; Sept. 2; Serial No. 188,177; published June 10, 1924.
Hair curlers. Osmun Co. 188,765; Sept. 2; Serial No. 195,534; published June 3, 1924.
Lacings, galloons, and braids. International Braid Company. 188,605; Sept. 2; Serial No. 194,997; published June 10, 1924.
Lacings, galloons, and braids. International Braid Company. 188,847; Sept. 2; Serial No. 194,799; published June 10, 1924.
Lacings, galloons, and braids. International Braid Company. 188,850; Sept. 2; Serial No. 194,870; published June 10, 1924.
Snap fasteners. Fulford Mfg. Co. 188,778; Sept. 2; Serial No. 193,390; published June 10, 1924.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 188,693; Sept. 2; Serial No. 196,507; published June 24, 1924.
Comforters and furniture loading pads. Empire Mattress Company. 188,652; Sept. 2; Serial No. 193,329; published June 24, 1924.
Cotton, silk and wool fabrics and mixtures of the same. Bradford Dyeing Association (U. S. A.). 188,786; Sept. 2; Serial No. 193,803; published Apr. 29, 1924.

Fabrics in the piece, Pile. Sidney Blumenthal & Co. 188,684; Sept. 2; Serial No. 196,328; published June 24, 1924.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 188,643; Sept. 2; Serial No. 192,056; published June 24, 1924.
Linen piece goods. Washington Linen Importing Co. 188,682; Sept. 2; Serial No. 196,326; published June 24, 1924.
Mohair in the piece. W. M. Riggar & Co. 188,751; Sept. 2; Serial No. 196,419; published June 24, 1924.
Plushes in the piece. Hind & Harrison Plush Company. 188,685; Sept. 2, Serial No. 196,342; published June 24, 1924.
Sateens and linings in the piece. Carson Pirie Scott & Co. 188,678; Sept. 2; Serial No. 195,943; published June 24, 1924.
Silk goods in the piece and crêpes and veilings. Louis Roessel & Co. 188,830; Sept. 2; Serial No. 193,544; published June 24, 1924.
Silk piece goods. Duplan Silk Corporation. 188,688; Sept. 2; Serial No. 196,377; published June 24, 1924.
Silk piece goods. S. R. Hall & Co. 188,647; Sept. 2; Serial No. 192,768; published June 24, 1924.
Silk, wool, etc., dress goods in the piece. M. Silverman & Son. 188,663; Sept. 2; Serial No. 195,544; published June 24, 1924.
Textile piece goods, All-wool. W. H. Holbrook Company. 188,641; Sept. 2; Serial No. 191,018; Published June 24, 1924.
Woolen goods in the piece and in short lengths. S. Stein & Co. 188,695; Sept. 2; Serial No. 196,551; published June 24, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 188,667; Sept. 2; Serial No. 195,381; published June 24, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 188,668; Sept. 2; Serial No. 195,379; published June 24, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 188,689; Sept. 2; Serial No. 196,380; published June 24, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 188,769–70; Sept. 2; Serial Nos. 195,350–1; published June 24, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 188,659; Sept. 2; Serial No. 195,746; published June 24, 1924.

CLASS 44.

Vibrators and applicators, massage machines and apparatus, etc., Electric. Shelton Electric Co. 188,908; Sept. 2.
Waterproof body protectors, aprons, etc. Steril Manufacturing Company. 188,921; Sept. 2.

CLASS 45.

Beverages sold as soft drinks. Delaware Coca-Cola Bottling Company. 188,857; Sept. 2.
Sirups used for beverages. M. Reichert. 188,865; Sept. 2.
Water. Sunbeam Water Company. 188,798; Sept. 2; Serial No. 187,783; published Jan. 1, 1924.

CLASS 46.

Bran, Edible. Kellogg Company. 188,889; Sept. 2.
Cake mix. Hirsch Brothers Co. 188,881; Sept. 2.
Candies. W. G. Wise Fruit Chocolate Co. 188,607; Sept. 2; Serial No. 194,966; published June 17, 1924.
Candy. Allen Candy Co. 188,702; Sept. 2; Serial No. 195,431; published June 24, 1924.
Candy. C. Arnold. 188,703; Sept. 2; Serial No. 196,997; published June 24, 1924.
Candy. Rigney & Company. 188,900; Sept. 2.
Canned berries, fruits, and vegetables. Everett Fruit Products Company. 188,699; Sept. 2; Serial No. 194,170; published June 24, 1924.
Canned corn. Sussman, Wormser & Co. 188,878–80; Sept. 2.
Canned fruits, berries, fruit preserves, etc. W. H. Pride & Co. 188,877; Sept. 2.
Canned vegetables. Oconomowoc Canning Company. 188,704; Sept. 2; Serial No. 197,038; published June 24, 1924.
Canned vegetables and fish, dried fruits. Hunt Brothers Packing Company. 188,920; Sept. 2.
Cantaloupes and fresh grapes. Ben H. Arkelian & Co. 188,762; Sept. 2; Serial No. 185,647; published Mar. 4, 1924.
Chocolates and bonbons. R. M. Haan. 188,910–14; Sept. 2.
Fish in tins. R. B. Bonk Company. 188,700; Sept. 2; Serial No. 194,332; published June 24, 1924.
Flour, Wheat. Moore-Lowry Flour Mills Company. 188,738; Sept. 2; Serial No. 192,634; published June 17, 1924.
Food beverages or cooking, Powder used in. Douglas & Burns, Ltd. 188,588; Sept. 2; Serial No. 168,402; published Sept. 11, 1923.
Jellies, jams, fruit butters, etc. Blanke-Baer Extract & Preserving Co. 188,870; Sept. 2.
Oil, Cooking. F. A. Bowles. 188,583; Sept. 2; Serial No. 171,897; published Sept. 18, 1923.
Peanuts, Salted. Superior Peanut Co. 188,701; Sept. 2; Serial No. 194,678; published June 24, 1924.
Pretzels. Quality Pretzel Company. 188,854–5; Sept. 2.
Sausage, Huk sausage, and sausage paddies. Duluth Sausage Company. 188,740; Sept. 2; Serial No. 192,313; published Apr. 1, 1924.

CLASS 48.

Beverage sold as a soft drink. Ph. Zang Company. 188,918; Sept. 2.

CLASS 50.

Canvases Artists'. E. H. & A. C. Friedrichs Co. 188,623; Sept. 2; Serial No. 188,050; published June 17, 1924.
Dress forms and garment hangers. Onli-Wa Fixture Company. 188,789; Sept. 2; Serial No. 193,954; published June 17, 1924.
Fiber, Hard or vulcanized. Delaware Hard Fibre Company. 188,864; Sept. 2.
Package handles. Acme Handle Co. of New Jersey. 188,755; Sept. 2; Serial No. 196,043; published June 17, 1924.
Tents, awnings, and paulins. Higrade Tent & Duck Co. 188,902; Sept. 2.
Textile fabrics, Coated. Coated Textile Mills, Inc. 188,705; Sept. 2; Serial No. 191,427; published June 17, 1924.
Vulcanized fiber. Diamond State Fibre Company. 188,752; Sept. 2; Serial No. 196,335; published June 17, 1924.

ALPHABETICAL LIST OF LABELS.

All Sweet Toasted Almonds from California. For Toasted Almonds. W. Prentiss, jr. 27,792; Sept. 2.
Arden Park. For Coffee. National Grocer Company. 27,786; Sept. 2.
Brenau. For Hosiery. Hosch Brothers Company. 27,780; Sept. 2.
Chamberlain's Auto Polish A Lemon Oil Compound. For a Polishing Preparation and Compound. T. D. Chamberlain. 27,775; Sept. 2.
Chamberlain's Royal Silver, Gold & Aluminium Polish An Olive Oil Compound. For a Polishing Preparation and Compound. T. D. Chamberlain. 27,776; Sept. 2.
Champagne. For Cigars. J. C. Winter & Co. 27,806; Sept. 2.
Country Club. For Cigars. W. H. Snyder & Sons. 27,801; Sept. 2.
Dyspeptans. For Boxes Containing Dyspepsia Tablets. Vi-Tone Products Co. 27,804; Sept. 2.
Ford. For Toilet Paper. Northern Paper Mills. 27,788; Sept. 2.
Lady Billy Silk Net. For Hair Nets. S. Glemby's Sons Co. 27,779; Sept. 2.
Lion Brand Italian Peeled Tomatoes. For Canned Tomatoes. J. Della Monica. 27,784; Sept. 2.
Look Who's Here The Famous Little Bo-Peep. For Packages Containing Infants' Layettes. D. W. Kaatze Co. 27,783; Sept. 3.
Malt-O-Cod. For a Tonic. Reed Drug Co. 27,794; Sept. 2.
Mamolith Paint. For Paints. R. F. Johnston Paint Company. 27,782; Sept. 2.
Mamolith Railway Paints. For Paints. R. F. Johnston Paint Company. 27,781; Sept. 2.
Motor City. For Coffee. National Grocer Company. 27,785; Sept. 2.
Nu-Luster Automobile Polish (No. 1 Cleaner). For Cleaning and Polishing Materials for Painted Surfaces. Nu-Luster Products Co. 27,789; Sept. 2.
Nu-Luster Automobile Polish (No. 2 Polisher). For Cleaning and Polishing Materials for Painted Surfaces. Nu-Luster Products Co. 27,790; Sept. 2.
Our Recommendation. For Canned Abalone. Del Monte Properties Co. 27,777; Sept. 2.
Peerless Orchards. For Fresh Fruit—Namely, Peaches. Rick & Hershey. 27,796; Sept. 2.
Power-Grip. For a Preparation for Treating Pulleys and the Like. Gardner-Barada Chemical Co. 27,778; Sept. 2.
Schwab's Nature Cold Cream. For Cold Cream. A. Schwab. 27,797; Sept. 2.
Schwab's Nature Lemon Cream. For Lemon Cream. A. Schwab. 27,799; Sept. 2.
Schwab's Nature Rose Cream. For a Pink Vanishing Cream. A. Schwab. 27,800; Sept. 2.

Schwab's Nature Vanishing Cream. For Vanishing Cream. A. Schwab. 27,798; Sept. 2.
Skill. For Cigars. J. C. Winter & Co. 27,805; Sept. 2.
Talle Extra Fine. For a Confection. W. Prentiss, jr. 27,793; Sept. 2.
The Hoffman. For Toilet Paper. Northern Paper Mills 27,787; Sept. 2.
Three Star Brew. For a Nonalcoholic, Cereal Beverage. Piel Bros. 27,791; Sept. 2.
Vigatone. For a Tonic. Reed Drug Co. 27,795; Sept. 2.
Vi-Tone Nutritive Tonic Tablets. For a Box Containing Tonic Tablets. Vi-Tone Products Co. 27,803; Sept. 2.
Womens Fine Novelty Handkerchiefs. For Handkerchiefs. F. Tamm. 27,802; Sept. 2.

ALPHABETICAL LIST OF PRINTS.

Smoke Dill's Best. For Tobacco Products, Including Smoking Tobacco. J. G. Dill Company. 7,577; Sept. 2.
Versatilla. For Games. Jesse Beery Company. 7,576; Sept 2.
Williams Luxury Shaving Cream (Screen with Carton and Tube). For Shaving Cream. J. B. Williams Company. 7,578; Sept. 2.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Potatoes, Seed. Mack Bouchard & Son. 185,406; Sept. 2.
Resin material, Synthetic. Etablissements Poulenc Freres Societe Anonyme. 197,020; Sept. 2.

CLASS 2.

Bags, Mothproof garment. White Tar Company. 198,203; Sept. 2.

CLASS 3.

Bags, trunks, etc. Jigger, Limited. 195,002; Sept. 2.
Harness, Children's safety. F. H. Barnhart. 156,256; Sept. 2.

CLASS 4.

Razor strops. Koken Companies. 199,362–3; Sept. 2.
Soaps. Guerlain Perfumery Corporation. 199,162; Sept. 2.

CLASS 6.

Antiseptic and analgesic medicines and germicides. E. J. Cousino. 197,584; Sept. 2.
Antiseptic solution. W. E. Berkowitz. 197,410; Sept. 2.
Blood purifier, a remedy for high blood pressure, and a tonic. E. M. Gardner. 199,056; Sept. 2.
Blood regulator. A. C. Guzzardo. 190,292; Sept. 2.
Boudoir novelty. Lionel Trading Co. 197,380; Sept. 2.
Cosmetics and toilet preparations. Dr. M. Albersheim. 199,514; Sept. 2.
Dentifrice. P. Lajugie. 187,825; Sept. 2.
Fluid for the treatment of gasoline. H. K. Stahl Company. 199,501; Sept. 2.
Germicide. Sharp & Dohme. 199,861; Sept. 2.
Mange remedy. C. R. Bohrer. 200,178; Sept. 2.
Medical compound for constipation, dyspepsia, etc. Ba-Ha-Ni Laboratory, Inc. 198,931; Sept. 2.
Medicinal preparation. G. L. Miller. 198,550; Sept. 2.
Medicinal preparations for syphilis. Anglo-American Pharmaceutical Corporation. 198,727; Sept. 2.
Medicinal tea. D. Back. 198,699; Sept. 2.
Medicine, Blood-purifying. A. J. Licking. 199,947; Sept. 2.
Mouth wash and preparation for the treatment of ulcerated gums, etc. F. H. Smith. 199,398; Sept. 2.
Ointment for skin diseases. M. H. Luther. 199,635; Sept. 2.
Ointment, Healing. M. E. Rentz. 199,322; Sept. 2.
Perfume extracts, toilet waters, compacts, etc. Mocq, Burnier & Cie., Inc. 199,896; Sept. 2.
Perfume, toilet water, face powder, etc. Sanitol Company. 187,880; Sept. 2.
Perfumery. G. Lombard. 199,560; Sept. 2.
Perfumes, toilet powders, pomades, etc. M. d'Este Perch. 200,096; Sept. 2.
Preparation for use in cases of painful menstruation. E. D. Stewart. 199,863; Sept. 2.
Preparations for the treatment of diseases of the kidneys, bladder, etc. Dr. Kilmer & Co. 198,807; Sept. 2.
Salve. F. K. Krakowski. 199,169; Sept. 2.
Salve, Pile. E. Oliver. 199,567; Sept. 2.
Salves. J. B. Taylor. 198,826; Sept. 2.
Shampoo. Van Ess Laboratories, Inc. 199,409; Sept. 2.
Solution for the treatment of pyorrhea. Deshell Laboratories, Inc. 198,290; Sept. 2.
Toilet preparations. E. M. Gooding. 193,705; Sept. 2.
Tonic for dyspepsia, indigestion, etc., Medicinal. A. N. Gaebler. 199,778; Sept. 2.
Water softener and cleansing compound. Scientific Products, Inc. 200,227; Sept. 2.

CLASS 7.

Cable and transmission rope, Drilling. Ajax Rope Company. 200,168; Sept. 2.
Rope, Manila and sisal. Ajax Rope Company. 200,167; Sept. 2.
Twine. Morice Twine Mills Corporation. 200,112; Sept. 2.
Twine. Schermerhorn Bros. Co. 199,024; Sept. 2.

CLASS 8.

Pipes, cigar and cigarette holders, tobacco pouches. Alfred Dunhill of London, Inc. 179,264; Sept. 2.
Pipes, Tobacco. Delncour Bros. Ltd. 176,730; Sept. 2.

CLASS 9.

Matches. Estonian Match Industry "Lendra" Ltd. 192,763; Sept. 2.
Matches. Osakeyhtiö Savo, Ltd. 198,084; Sept. 2.
Paper shot shells and metal cartridges. Winchester Repeating Arms Company. 193,147; Sept. 2.
Shells and cartridges, Shot. Federal Cartridge Corp. 195,225; Sept. 2.

CLASS 12.

Plaster, Hard wall finishing and casting. Standard Gypsum Company. 184,770; Sept. 2.

CLASS 13.

Coffee boilers and coffee urns, Tin. C. K. Scofield. 152,716; Sept. 2.
Valves, Drain. J. L. Bredar. 199,342; Sept. 2.

CLASS 16.

Oxide of antimony and chemical compounds and mixtures made therefrom. Cookson & Co. Ld. 196,649; Sept. 2.
Paint and paint paste, Mixed. New Jersey Zinc Company. 200,275; Sept. 2.
Paints and paint enamels. Toch Brothers, Incorporated. 199,134; Sept. 2.
Paints, Ready-mixed. Foy Paint Co. 188,959; Sept. 2.
Paints, stains, varnishes, and paint enamels. Warren Company. 197,572; Sept. 2.
Polish and finish, Automobile. Fax Manufacturing Co. 198,129; Sept. 2.
Polishes. Maisonite Company. 199,367; Sept. 2.
Polishes. Supre-Lustre Products Company. 197,966; Sept. 2.
Polishing compound or dressing. Willmore Laboratory. 199,101; Sept. 2.
Varnish stain. W. W. Lawrence & Company. 199,120; Sept. 2.
Varnishes, stains, and finishes. John Lucas & Company. 189,006; Sept. 2.
Wax, Floor. H. F. Staples. 199,262; Sept. 2.
Wax, Liquid. Clen-So Company. 193,574; Sept. 2.

CLASS 17.

Tobacco and cigarettes, Smoking and chewing. Pinkerton Tobacco Co. 193,190; Sept. 2.

CLASS 19.

Bicycles, tricycles, and velocipedes. Guaranty Cycle Company. 199,694; Sept. 2.

CLASS 20.

Floor and wall coverings. Petrolene Co. 172,762; Sept. 2.
Floor coverings coated with a waterproof substance. Cott-A-Lap Company. 166,170; Sept. 2.

CLASS 21.

Batteries. Automotive Electric Service Corporation. 195,566; Sept. 2.
Coils, Induction. J. T. Sattels. 198,88758; Sept. 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Electric cigar lighters. Connecticut Automotive Specialties Co. 197,855; Sept. 2.
Electric fixtures. Incandescent Supply Company. 199,625; Sept. 2.
Lamps and electroliers, Electric. Gorham Manufacturing Company. 152,247; Sept. 2.
Telephone receivers, head phones, etc. Morrison Laboratories, Inc. 195,757; Sept. 2.
Transformers, amplifiers, etc. Peerless Radio Corporation. 199,899; Sept. 2.
Vacuum tubes. Magnavox Co. 199,365–6; Sept. 2.

CLASS 22.

Balls, Golf. Kinesthetic Process Co. 199,996; Sept. 2.
Coaster runway slides. M. G. Hilpert. 188,905; Sept. 2.
Game, Parlor. J. G. Pitton. 198,472; Sept. 2.
Golf heads, baseball bats, etc., Wooden. Golf Shaft and Block Company. 195,280; Sept. 2.
Toy jewelry. M. C. Duty. 198,939; Sept. 2.
Toy telephones. Steel Stamping Company. 200,125; Sept. 2.

CLASS 23.

Automobile parts and accessories. P-D Auto Parts, Inc. 199,088; Sept. 2.
Cutters, Ensilage. W. D. Bayley. 200,307; Sept. 2.
Embossing machines, types, beveling machines, etc. Masson Seeley and Company Limited. 198,149; Sept. 2.
Grading machines, Road-. Russell Grader Manufacturing Company. 200,283–7; Sept. 2.
Grinding machines, Internal-. Greenfield Tap and Die Corporation. 200,196; Sept. 2.
Hack-saw blades and frames. Henry G. Thompson & Son Co. 191,991; Sept. 2.
Hammers, saws, bit braces, etc. Stanley Works. 196,835; Sept. 2.

CLASS 24.

Ironing calenders, Clothes-. Willey Co. 194,762; Sept. 2.

CLASS 26.

Calculating machines and devices. F. X. Mayer. 192,778; Sept. 2.
Picture films, Motion-. Standard Cinema Corporation. 199,579; Sept. 2.
Squares, rules, and levels, Try-. Stanley Works. 196,834; Sept. 2.

CLASS 27.

Watches, watchcases, watch movements, and parts thereof. Mimo Watch Co. 198,418; Sept. 2.

CLASS 28.

Bracelets, finger rings, watch chains, etc. M. S. Rosenberg. 184,215; Sept. 2.
Buttons, Collar. S. B. Lavick Co. 195,696; Sept. 2.
Jewelry. Patrick County Va. Fairy Stone Co. 177,799; Sept. 2.

CLASS 29.

Brushes, mops, brooms, etc. Shane & Hays. 197,837; Sept. 2.
Mops and brooms. J. Lukinovich. 199,843–4; Sept. 2.
Toothbrushes. Penslar Company. 200,637; Sept. 2.

CLASS 31.

Refrigerators. B. F. Vogt. 193,978; Sept. 2.

CLASS 32.

Bed springs and coiled-spring supports. Pacific Spring Company. 192,728; Sept. 2.

CLASS 34.

Lamp shades. Lee-Marlon Company. 191,330; Sept. 2.

CLASS 35.

Packings. Greene, Tweed & Co. 194,996; Sept. 2.

CLASS 36.

Phonograph records. S. Saraflan. 191,575; Sept. 2.

CLASS 37.

Accounting sheets. T. J. Davie. 199,109; Sept. 2.
Envelopes, Announcement and mailing. White & Wyckoff Manufacturing Company. 196,722; Sept. 2.
Memorandum books. A. C. Youmans. 199,412; Sept. 2.
Paper and coated blanks, Blotting. Great Lakes Paper Company. 197,809; Sept. 2.
Paper and envelopes, Correspondence. James A. Hearn & Son Inc. 195,287; Sept. 2.
Paper, Manila wrapping. Atlas Paper Company. 189,604; Sept. 2.
Pencils, Magazine. Atlantic Manufacturing Company. 198,443; Sept. 2.
Pens and pencils and combination fountain pens and pencils, Fountain. Pen-O-Pencil Company. 175,678; Sept. 2.
Pens and pencils, Fountain. G. Zain. 199,138–9; Sept. 2.

CLASS 38.

Stamps, Trading. Barrier Bros. 192,749; Sept. 2.

CLASS 39.

Boots and shoes. Hughes & Tansey, Inc. 196,117; Sept. 2.
Boots and shoes. Edward Penton and Son. 197,390; Sept. 2.
Boots, shoes, and slippers. W. B. Coon Co. 188,586; Sept. 2.
Boots, shoes, slippers, leggings, gaiters. Crockett & Jones. 196,295; Sept. 2.
Cloaks and suits, Ladies'. A. Altshuler Merchandising Co. 175,639; Sept. 2.
Cloaks and suits, Ladies'. Brenner Bros. 197,799; Sept. 2.
Clothing. J. J. Kalisher. 196,343; Sept. 2.
Coats, Ladies'. H. Kitzinger. 197,031; Sept. 2.
Collars. L. R. Quigley. 181,960; Sept. 2.
Dresses. G. N. C. Manufacturing Company. 196,383; Sept. 2.
Dresses. J. M. Gidding & Co. 197,429; Sept. 2.
Dresses, sweaters, jumpers, etc., Women's and children's. American Cellulose & Chemical Manufacturing Company Ltd. 198,167; Sept. 2.
Garters. A. M. Malouf. 197,825; Sept. 2.
Hats and caps, Men's. W. Poll. 195,715; Sept. 2.
Hats, Ladies'. Palace Hat Co. 197,445; Sept. 2.
Hats, Straw. Accor Panama Hat Co. 197,791; Sept. 2.
Hats, Women's. C. T. Pidgeon Millinery Co. 197,558; Sept. 2.
Hats, Women's. Pike Richmond Co. 192,290; Sept. 2.
Hats, work shirts, trousers, etc., Men's fabric. I. Rudnick. 198,259; Sept. 2.
Hose, Infants'. Hub Hosiery Mills. 178,389; Sept. 2.
Hosiery. Burd Knitting Mills Co. 177,271; Sept. 2.
Hosiery. Nicholson-Feinberg, Inc. 194,018; Sept. 2.
Hosiery. Levi Strauss and Company. 194,887; Sept. 2.
Hosiery, underwear, and sweaters. William R. Moore Dry Goods Company. 198,022; Sept. 2.
Knitted outer garments. Wool Novelty Co. 179,445; Sept. 2.
Overcoats, topcoats, and suits and women's cloaks, etc., Men's. Sir Charles Sykes & Sons, Limited. 198,386; Sept. 2.
Pads manufactured from rubber composition. Blakey's Boot Protectors, Limited. 194,778; Sept. 2.
Pads manufactured from rubber or rubber composition. Blakey's Boot Protectors, Limited. 196,900; Sept. 2.
Rubber heels. H. Jacob & Sons, Inc. 197,816; Sept. 2.
Shirts and collars, Men's negligee and dress. Earl & Wilson. 197,728–9; Sept. 2.
Shirts and collars, Men's negligee and dress. Earl & Wilson. 197,731; Sept. 2.
Shirts, Men's dress. I. A. Frankel. 197,873; Sept. 2.
Shirts, Work. Salant & Salant Inc. 197,773–4; Sept. 2.
Shoes. Temko-Bass Shoe Co. 194,754; Sept. 2.
Shoes, Leather. F. G. Delbon. 181,588; Sept. 2.
Shoes, Leather. P. W. Minor & Son, Inc. 196,751; Sept. 2.
Shoes, puttios, and leggings. Atlas Shoe Mfg. Co. 185,402; Sept. 2.
Suits, coats, cloaks, etc., Ladies'. Lewin-Neiman Co. 197,205; Sept. 2.
Suits, overcoats, reefers, and topcoats, Men's. A. W. Shafer. 187,881; Sept. 2.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 198,063; Sept. 2.
Undergarments, Women's. B. Johnson. 194,352; Sept. 2.
Understockings, spats, and hosiery. Gotham Silk Hosiery Co. 179,863; Sept. 2.
Union suits, Men's and boys' textile-fabric. Neustadter Bros. 189,167; Sept. 2.

CLASS 40.

Fringes, edging, galloons, etc. H. F. Walliser Company. 195,996; Sept. 2.
Knitted fabric, Devices for repairing. J. M. Ortega. 180,025; Sept. 2.

CLASS 42.

Cotton piece goods. Everett Mills. 200,354; Sept. 2.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association. (U. S. A.). 199,035; Sept. 2.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association. (U. S. A.). 200,243; Sept. 2.
Handkerchiefs. L. & R. Company. 200,109; Sept. 2.
Linen piece goods. Herbert R. Lederer Corp. 179,803; Sept. 2.
Silk fabrics and artificial silk knitted in the piece. Progressive Knitting Works, Inc. 192,496; Sept. 2.
Woolen cloths in the piece. S. Stein & Co. 164,460; Sept. 2.

CLASS 44.

Absorbent pads or sheets. Cellucotton Products Company. 199,932; Sept. 2.
Arch supports. Scholl Manufacturing Company. 199,247; Sept. 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Arch supports. Scholl Manufacturing Company. 199,255; Sept. 2.
Catamenial bandages. C. Gimurtsina. 194,000; Sept. 2.
Hot-water bags, rubber sheeting, hypodermic syringes, etc. Meinecke & Company. 190,510; Sept. 2.
Medical and surgical appliances. First Aid Specialty Company. 197,478; Sept. 2.
Pads and plasters for corns, etc. Scholl Manufacturing Company. 199,256; Sept. 2.
Pads, Therapeutic. G. S. White. 198,334–5; Sept. 2.
Temperature in the human body, Instrument to measure. Palmer School of Chiropractic. 198,535; Sept. 2.

CLASS 45.

Drink, Soft. C. A. Henninger. 181,117; Sept. 2.
Sirup sold as a flavoring for soft drinks. S. Penny. 145,474; Sept. 2.
Sirups used in preparation of soft drinks. Konrad Schreier Co. 199,231; Sept. 2.

CLASS 46.

Cake, ice cream, and bread. Joe Lowe Co. 178,108; Sept. 2.
Candy. Bunte Brothers. 199,039; Sept. 2.
Candy. Hardie Brothers Co. 199,061; Sept. 2.
Candy. E. A. Hoffman Candy Co. 200,318; Sept. 2.
Candy. Loft, Incorporated. 198,318; Sept. 2.
Candy. George J. Mueller, Inc. 200,217; Sept. 2.
Candy. Peter Paul Candy Manufacturing Company. 186,198; Sept. 2.
Candy. Tru-Blu Biscuit Company. 184,997; Sept. 2.
Candy, Chocolate-coated. Bishop & Company. 190,756; Sept. 2.
Candy, Coconut. Maple Dell Candy Company. 196,395; Sept. 2.
Candy wafer. Pecheur Lozenge Co. 192,545; Sept. 2.
Canned corn. Big Stone Canning Co. 197,921; Sept. 2.
Canned fruits and vegetables. Filice & Perrelli Canning Company. 199,746; Sept. 2.
Canned fruits, berries, and vegetables. Washington Berry Grower Pfg. Corp. 198,896; Sept. 2.
Canned goods. W. H. Killian Co. 198,806; Sept. 2.
Canned shrimp. Blum & Bergeron. 199,341; Sept. 2.
Catchup, chili sauce, coffee, etc. Auburn Mercantile Company. 174,123; Sept. 2.
Cheese. Lowville Cheese Company. 189,683; Sept. 2.
Cheese. Richardson & Company. 189,640; Sept. 2.
Cheese. Henry Scaramelli, Inc. 199,185; Sept. 2.
Chocolates, bonbons, and all other kinds of candies. Colvin's Confectionery. 200,247; Sept. 2.
Cooking or shortening compound. Higgins Manufacturing Company. 196,298; Sept. 2.
Feed. Security Mills. 196,033; Sept. 2.
Feed. Western Grain Company. 183,092; Sept. 2.
Feed, Mineralized. E. Rhine. 196,763; Sept. 2.
Flour, Durum wheat. Washburn-Crosby Company. 177,756; Sept. 2.
Flour, Wheat. Cleveland Milling Co. 193,805; Sept. 2.
Flour, Wheat. Cleveland Milling Co. 197,188; Sept. 2.
Flour, Wheat. International Milling Company. 199,991–2; Sept. 2.
Food, Cereal breakfast. Kellogg Company. 177,676; Sept. 2.
Fruits. C. B. Williams. 199,766; Sept. 2.
Fruits, Fresh citrous. Greenspot Citrus Association. 198,133; Sept. 2.
Fruits, Preserved. Crown Fruit & Extract Co. 195,869; Sept. 2.
Fruits, vegetables, and cantaloupes. Randolph Marketing Company. 198,882; Sept. 2.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 194,671; Sept. 2.
Hams. Omaha Packing Company. 190,027; Sept. 2.
Ice cream and ice cream coated with chocolate. Andreson & Patterson. 160,179; Sept. 2.
Mushrooms, Fresh. L. Lescarboura. 199,287; Sept. 2.
Oil, Salad. Pickaninny Company. 180,886; Sept. 2.
Oranges, Fresh. Fullerton Mutual Orange Association. 199,054; Sept. 2.
Potato chips. G. H. Dentler. 170,609; Sept. 2.
Rusk. H. Diederich. 180,112; Sept. 2.
Wheat shorts. Midland Flour Milling Co. 198,754; Sept. 2.

CLASS 50.

Carpet lining. Greater New York Export House, Inc. 190,542; Sept. 2.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acadia Mills. (See Bower, C. R., and Fitzpatrick, assignors.)
Active Folding Box Co. (See Bashwiner, Charles, assignor.)
Adams, J. D., and Co. (See Adams, Joseph D. and R. E., assignors.)
Adams, Joseph D. and R. E., Indianapolis, Ind., assignors to J. D. Adams and Co. Ditch-forming grader. 1,507,352; Sept. 2.
Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Conversion and transformation of liquids, fluids, and oils. 1,506,877; Sept. 2.
Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Apparatus for the conversion and transformation of liquids, fluids, and oils. 1,506,878; Sept. 2.
Adams, Roy E. (See Adams, Joseph D. and R. E.)
Addressograph Company. (See Duncan, Joseph S., assignor.)
Adkins, Benjamin R., Upper Warlingham, and W. Y. Lewis, Southend-on-Sea, England. Conveying apparatus. 1,506,961; Sept. 2.
Agnichek, Franck, assignor of one-fourth to F. Krásel, one-fourth to J. Bosch, and one-fourth to L. I. Gottlieb, Chicago, Ill. Car wheel. 1,507,267; Sept. 2.
Albrecht, Milo G. (See King, Joseph, assignor.)
Aldrich, Roscoe H., Allentown, Pa. Valve-holding device. 1,507,448; Sept. 2.
Allbright-Nell Company. (See Jackson, Andrew J., assignor.)
Allison, Estelle V., New York, N. Y. Doll or similar article. Des. 65,513; Sept. 2.
Amendola, Bartolomeo, San Francisco, Calif. Railway brake. 1,507,102; Sept. 2.
American Optical Company. (See Wason, Robert M., assignor.)
American Optical Company. (See Wrighton, William J., assignor.)
American Radiator Company. (See Roeder, Herbert C., assignor.)
American Radiator Company. (See Sutton, William S., assignor.)
American Steam Conveyor Corporation. (See Zimmerman, Charles F., assignor.)
American Telephone and Telegraph Company. (See Crisson, George, assignor.)
American Telephone and Telegraph Company. (See Hitchcock, Harry W., assignor.)
Amorite Products Corporation. (See Bachman, Roy G., assignor.)
Anchelevich, Max, Evansville, Ind. Repair device. 1,507,449; Sept. 2.
Anderson, Charles A., New Orleans, La. Air control for liquid-fuel-burning furnaces. 1,507,450; Sept. 2.
Anderson, Harry T., assignor of one-half to S. Hansson, Butler, Pa. Making brake levers. 1,506,802; Sept. 2.
Andrews, Bruce G. and H., Yuma, Colo. Turning automobile headlights. 1,507,268; Sept. 2.
Andrews, Frank W., assignor, by mesne assignments, to The Superior Refrigerating Company, Wapakoneta, Ohio. Thermoelectric apparatus. 1,506,962; Sept. 2.
Andrews, Frank W., Wapakoneta, Ohio. Purification of sulphur dioxide. 1,506,963; Sept. 2.
Andrews, Harry. (See Andrews, Bruce G. and H.)
Angsten, Henry W., Michigan City, Ind. Wheel construction. 1,507,359; Sept. 2.
Anselmi, Carlos, and M. Vituro, Buenos Aires, Argentina. Refrigerating means for cinematographic apparatus. 1,507,360; Sept. 2.
Antrim, William D., assignor to Welsbach Company, Gloucester, N. J. Heater. 1,506,964; Sept. 2.
Applebaum, Samuel K., New York, N. Y. Suppository-making machine. 1,507,303; Sept. 2.
Arave, Daniel W., Pocatello, Idaho. Weather-strip guide. 1,507,224; Sept. 2.
Arbetter Felling Machine Co. (See Moulton, Harley C., assignor.)
Arland, Freddie. (See Childers, J. L., and Arland.)
Arlin, Karl. (See Maki, O., and Arlin.)
Aronson, Louis V., Newark, N. J. Toy. Des. 65,514; Sept. 2.
Arrington, J. S., et al., trustees. (See Blackburn, Mc Master S., assignor.)
Astrom, Carl P., East Orange, N. J. Method and apparatus for recovering heat. 1,506,803; Sept. 2.

Auger, Joseph T., assignor of one-half to R. H. Monahan, Minneapolis, Minn. Brake. 1,506,965; Sept. 2.
Aull, Benedict M., Autun, S. C. Bathroom rug. 1,506,731; Sept. 2.
Automatic Electric Company. (See Lomax, Clarence E., assignor.)
Autosales Corporation. (See Grover, Albert D., assignor.)
Babigian, Berge. (See Babigian, Suren H. and B.)
Babigian, Suren H. and B., Berkeley, Calif.; said B. Babigian assignor to said S. H. Babigian. Food product and method of production. 1,507,323; Sept. 2.
Bachman, Roy G., assignor to Amorite Products Corporation, Chicago, Ill. Building material. 1,506,804; Sept. 2.
Backmire, George H., Collegeville, Pa. Adapter for smoke and fume arresters. 1,507,269; Sept. 2.
Backmire, George H., Collegeville, Pa. Fume arrester. 1,507,270; Sept. 2.
Bagg, Hollis B., Watertown, Conn., assignor to Scovill Manufacturing Company. Seale. 1,506,879; Sept. 2.
Bagwell, John M., Chico, Calif. Pole protector. 1,507,103; Sept. 2.
Baker, John S., Los Angeles, Calif. Ballot-counting machine. 1,507,548; Sept. 2.
Baker, William C. (See Fannon, William F., assignor.)
Baldauf, Richard. (See Isaacs, A., and Baldauf.)
Balt Manufacturing Company. (See Bennett, Charles E., assignor.)
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Augmenter cooler. 1,506,805; Sept. 2.
Barnett, Belford, Camden, and W. L. MacFarland, Brooklawn, N. J. Combined cigarette and match box. 1,507,361; Sept. 2.
Barraja-Frauenfelder, Joseph, Bridgeport, Conn. Flexible clutch. 1,507,548; Sept. 2.
Barrett, Leon J., Worcester, Mass. Pruning shears. 1,507,225; Sept. 2.
Barth, Erich, Chemnitz, Germany. Circular-knitting machine. 1,507,147; Sept. 2.
Bartosik, Joseph, Monessen, Pa. Wrench. 1,507,362; Sept. 2.
Bashwiner, Charles, Jamaica, N. Y., assignor to Active Folding Box Co., Inc. Foldable display box. 1,507,148; Sept. 2.
Baughman, George H., Chicago, Ill. Manifold ticket. 1,507,226; Sept. 2.
Baulk, Charles, Bridgnorth, England. Appliance for lubricating the pile wire employed in jacquard and like looms for weaving carpets, rugs, or other like fabrics. 1,507,451; Sept. 2.
Baumgardner, Earl W. (See Baumgardner, William L. and E. W.)
Baumgardner, William L. and E. W., Watsonville, Calif. Fuel vaporizer. 1,507,329; Sept. 2.
Bazeley, Arthur J., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism for car couplers. 1,506,806; Sept. 2.
Bazeley, Arthur J., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Pivot-pin support for car couplers. 1,507,363; Sept. 2.
Beal, William H., Paris, Tex. Tie and fastener. 1,507,227; Sept. 2.
Beck Duplicator Company, The. (See Isaacs, A., and Baldauf, assignors.)
Becker, Fred, Buffalo, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,507,149; Sept. 2.
Becket, Frederick M., assignor to Electro Metallurgical Company, New York, N. Y. Zirconium steel and making same. 1,507,452; Sept. 2.
Beehler, Orrin W., Thompsonville, Conn., and L. B. Cogswell, Springfield, Mass.; said Cogswell assignor to said Beehler. Traffic signal. 1,507,041; Sept. 2.
Behrens, Helene, Herington, Kans. Expansible brush. 1,507,150; Sept. 2.
Bell & Howell Company. (See Howell, Albert S., assignor.)
Benedict, Edward L. (See Reed, W. E., and Benedict.)
Benedict, Edward L., Sewickley, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Plaster ground. 1,507,364; Sept. 2.
Benjamin Electric Mfg. Company. (See Mackie, Duncan B., assignor.)

Benjamin, George H., New York, N. Y. Method of and apparatus for dehydrating fluid bodies. 1,506,732; Sept. 2.

Bennett, Ashley C., Minneapolis, Minn. Suction cleaner. 1,507,271; Sept. 2.

Bennett, Charles E., Decatur, assignor to Bait Manufacturing Company, Atlanta, Ga. Arc-gap installation. 1,507,365; Sept. 2.

Bennett, George S. and L. L., Massena, N. Y. Automatic milk-can washer. 1,507,151; Sept. 2.

Bennett, Louis L. (See Bennett, George S. and L. L.)

Berglund, Edward S., Djursholm, Sweden. Treating materials containing metal compositions. 1,507,152; Sept. 2.

Berkley, Richard H., Plainville, Mass., assignor to Whiting & Davis Company, Mesh machine. 1,506,880; Sept. 2.

Berman, Samuel, Chicago, Ill. Display case. 1,507,453; Sept. 2.

Bertrand, Jean J. M. (See Toussaint, A., and Bertrand.)

Bezzenberger, Fred K., Cleveland Heights, Ohio. Method of and apparatus for making metallic walls. 1,506,966; Sept. 2.

Bickel, Henry F., Plainfield, N. J., and B. J. Minnier, Watertown, N. Y., assignors to The New York Air Brake Company, Controlling the release of automatic air brakes. 1,506,807; Sept. 2.

Bickel, Henry F., Plainfield, N. J., and B. J. Minnier, Watertown, N. Y., assignors to The New York Air Brake Company, Air brake. 1,506,808; Sept. 2.

Bickel, Henry F., Plainfield, N. J., and B. J. Minnier, Watertown, N. Y., assignors to The New York Air Brake Company, Air brake. 1,506,809; Sept. 2.

Blukley, John L., Greenville, Ohio. Knockdown box. 1,507,042; Sept. 2.

Binns, Ralph H., New York, N. Y. Glove closure. 1,507,153; Sept. 2.

Birch, Gustaf B. (See Cameron, J. A., and Birch.)

Bird, Joseph. (See Rankin, William C., assignor.)

Blackburn, McMaster S., San Antonio, Tex., assignor to M. S. Blackburn and J. S. Arrington, trustees for the Petroleum Engineering Company, Automatic pump control. 1,507,454; Sept. 2.

Blackburn, McMaster S., et al., trustees. (See Blackburn, McMaster S., assignor.)

Blackmore, Benjamin, Akron, Ohio. Auto signal. 1,507,455; Sept. 2.

Blaw-Knox Company. (See Marshall, Ira W., assignor.)

Blair, Robert S., South Orange, N. J., assignor to Meurer Steel Barrel Company, Inc. Steel barrel. 1,507,304; Sept. 2.

Blow, George E., Stevenage, England. Pocketknife. 1,507,043; Sept. 2.

Boecher, George. (See Degenhardt, Frank O., assignor.)

Bohr, Frank M., Boston, Mass. Shoe. Des. 65,515; Sept. 2.

Bolton, Archer L., North Andover, Mass. Built-up member for paper-pulp engines. 1,507,305; Sept. 2.

Bona, Stephen, Union City, Conn. Quick-release clothes wringer. 1,507,228; Sept. 2.

Boney, Ashton. (See Bunker, J. W., and Boney.)

Bonniol, Adolphe, Providence, R. I. Ear attachment. 1,507,154; Sept. 2.

Bosch, Joseph, et al. (See Agnichek, Franck, assignor.)

Bosley, Lewis W., East Cleveland, assignor to The Cleveland Hardware Company, Cleveland, Ohio. Stake pocket for vehicles. 1,507,229; Sept. 2.

Bosworth, Alvah H., Woodhaven, assignor to The Bosworth Filter Company, Inc., Long Island City, N. Y. Liquid-fuel strainer. 1,506,967; Sept. 2.

Bosworth Filter Company, The. (See Bosworth, Alvah H., assignor.)

Bot, William H., Green Valley, Minn. Windmill. 1,506,968; Sept. 2.

Bower, Charles R., Methuen, and J. Fitzpatrick, Lawrence, assignors to Acadia Mills, Boston, Mass. Yarn clearer for textile machines. 1,506,810; Sept. 2.

Boyajian, John. (See Pappas, James H., assignor.)

Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,516; Sept. 2.

Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,517; Sept. 2.

Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,518; Sept. 2.

Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 65,519; Sept. 2.

Boyd, John S., Co. (See Boyd, John S., assignor.)

Bradburn, Curtis E., and A. Finke, Garden City, Kans. Fluid brake. 1,507,104; Sept. 2.

Bradley, Harry L., Milwaukee, Wis. Multiple switch. 1,506,969; Sept. 2.

Bradshaw, Charles D. (See Harness, C. D., and Bradshaw.)

Brasted, Clair H., East Cleveland, Ohio, assignor, by mesne assignments, to The Ludlow Typograph Company, Chicago, Ill. Strip-casting mechanism. 1,507,456; Sept. 2.

Bray, James T. (See Redding, Anderson, assignor.)

Brigden, Arthur, Birmingham, Ala. Boll-weevil machine. 1,507,457; Sept. 2.

Britton, Walter F., Anniston, Ala. Refrigerator. 1,507,366; Sept. 2.

Broadbent, Alfred L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing short-fiber cellulosic material for chemical treatment. 1,507,330; Sept. 2.

Broberg, Earl J., Coffeyville, Kans. Cave packer. 1,506,881; Sept. 2.

Brockelsby, Ralph A., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Friction draft rigging. 1,506,811; Sept. 2.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,507,132; Sept. 2.

Brown, John W., jr., Philadelphia, Pa. Electric heater. 1,506,812; Sept. 2.

Brown-Lipe Gear Company. (See Sweet, H. W., and Carhart, assignors.)

Bruck, Solomon, Los Angeles, Calif. Advertising badge. Des. 65,520; Sept. 2.

Bruck, Solomon, Los Angeles, Calif. Advertising novelty. 1,507,044; Sept. 2.

Brungess, John, Uklah, Calif. Tractor hitch. 1,507,155; Sept. 2.

Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)

Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal machine. 1,507,412; Sept. 2.

Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal machine. 1,507,413; Sept. 2.

Bucey, George M., Kansas City, Mo. Oil burner. 1,506,970; Sept. 2.

Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Internal-expanding gauge. 1,507,272; Sept. 2.

Budd, Edward G., and J. Ledwinka, assignors to Budd Wheel Company, Philadelphia, Pa. Hub structure for wheels. 1,507,549; Sept. 2.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd Wheel Company. (See Budd, E. G., and Ledwinka, assignors.)

Budd Wheel Company. (See Higginbotham, Paul R., assignor.)

Budd Wheel Company. (See Ibach, Emil, assignor.)

Bugbee, Lucian W., assignor to Oneplece Bifocal Lens Company, Indianapolis, Ind. Making multifocal lenses. 1,506,733; Sept. 2.

Bulman, William V., Philadelphia, Pa. Support for wall closets, etc. 1,507,331; Sept. 2.

Bundy, Harry W., Detroit, Mich. Tube and method of making tubes. 1,506,971; Sept. 2.

Bunker, John W., and A. M. Boney, assignors to Service Bag Co., Inc., New York, N. Y. Bag or envelope. 1,507,156; Sept. 2.

Burgdorf, Frederick, Elyria, Ohio. Slicing or grating machine. 1,506,972; Sept. 2.

Burnet Fireproofing Products, Inc., The. (See Hopkins, Nevil M., assignor.)

Burroughs, Eric S. (See Burroughs, Harold O. and E. S.)

Burroughs, Harold O. and E. S., Liverpool, England. Loose-leaf binder. 1,507,045; Sept. 2.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam guide. 1,506,882; Sept. 2.

Buttress, George A. (See Buttress, Joseph A. and G. A.)

Buttress, Joseph A. and G. A., assignors to Rex Goodcell, Los Angeles, Calif. Manufacturing composition wall board. 1,507,332; Sept. 2.

Byrne Manufacturing Company, The. (See Runser, Fredrick J., assignor.)

Cadoret, Louis A., Pawtucket, R. I. Bobbin retainer. 1,507,459; Sept. 2.

Camelo, Nicholas, and T. Dombrowski, assignors to Oneida Sani-Seat Company, Inc., Rome, N. Y. Vending machine. 1,506,813; Sept. 2.

Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Mill-roll stand. 1,506,883; Sept. 2.

Cameron Machine Company. (See Cameron, J. A., and Birch, assignors.)

Camp, Vaughn. (See Davis, Lewis K., assignor.)

Carhart, George C. (See Sweet, H. W., and Carhart.)

Carol, Charles W., Globe, Ariz. Chicken hover. 1,507,157; Sept. 2.

Carpenter, Warren W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,506,884; Sept. 2.

Carrick, Gerald S., Chicago, Ill. Bumper. 1,507,273; Sept. 2.

Carroll, J. B., Company. (See Carroll, John B., assignor.)

Carroll, John B., Oak Park, assignor to J. B. Carroll Company, Chicago, Ill. Magnetic toy or similar device. 1,507,333; Sept. 2.

Carroll, John T., Houston, Tex. Rotary hoop saw. 1,507,460; Sept. 2.

Carstens, Hanns, Leverkusen, near Cologne, A. Engelhardt, Wiesdorf, near Cologne, and W. J. Müller, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Oxidizing hydrogen sulphide. 1,507,105; Sept. 2.

Casey, Stephen M., San Francisco, Calif. Door. 1,507,158; Sept. 2.

Cech, Andrew, Niles, Ohio. Swimming foot paddle. 1,506,885; Sept. 2.

Chadwick, John N., assignor of one-half to E. McDobbins, Camden, N. J. Level. 1,507,334; Sept. 2.

Chase, Robert P., Montara, Calif. Combined floating breakwater and power generator. 1,507,461; Sept. 2.

Chase, William H., Hopedale, Mass. Blank for cost-accounting system. 1,506,814; Sept. 2.

Cheatham, Loverd B., Atlanta, Ga., assignor to P. and S. Electric Heating Company, Wilmington, Del. Electric fluid heater. 1,507,544; Sept. 2.

Chemische Fabrik Cöthen, Inhaber Emil Musche. (See Scholmeyer, Gustav, assignor.)

Chicago Flexible Shaft Company. (See Kocourek, Henry, assignor.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Childers, Joseph L., and F. Arland, Sand Springs, Okla. Ventilator. 1,507,462; Sept. 2.

Chlorine Products Company. (See Jewell, William M., assignor.)

Christiansson, Pehr, Carlos, Minn. Incubator. 1,507,463; Sept. 2.

Chryst, William A., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,507,307; Sept. 2.

Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. 1,507,306; Sept. 2.

Chryst, William A. (See Kettering, C. F., and Chryst.)

Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)

Cincinnati Planer Company, The. (See Langen, G. H., and Lluden, assignors.)

Claflin, Charles A., Medford, Mass. Hose coupling. 1,507,230; Sept. 2.

Clark, Albert. (See Naylor, J. R., and Clark.)

Clark, Frank J., assignor to Clark Pneumatic Action Company, Milwaukee, Wis. Expression device for automatic players. Re15,907; Sept. 2.

Clark Pneumatic Action Company. (See Clark, Frank J., assignor.)

Clay, Samuel B., assignor to Heine Boiler Company, St. Louis, Mo. Tool for installing boiler handhole caps. 1,506,886; Sept. 2.

Clayton, Earl R., and C. R. Welch, Los Angeles, Calif. Draft and steering rig for trailers. 1,507,335; Sept. 2.

Clegg, John H., Suffern, N. Y. Dispensing device for collapsible containers. 1,507,464; Sept. 2.

Cleveland Hardware Company, The. (See Bosley, Lewis W., assignor.)

Click, William S., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator brush. 1,506,734; Sept. 2.

Cockerell, Benjamin F., and A. Comer, Kansas City, Mo. Adjustable form. 1,507,046; Sept. 2.

Cogswell, Lloyd B. (See Beehler, O. W., and Cogswell.)

Cohen, Harry, Mount Vernon, N. Y. Combined decanter and stand. Des. 65,521; Sept. 2.

Cohn, Max M., San Francisco, Calif. Toilet-paper package. 1,507,106; Sept. 2.

Collins, Daniel, Baker, Oreg. Paper-pasting machine. 1,507,465; Sept. 2.

Collins, Harry R., Allentown, Pa., assignor to Fuller-Lehigh Company. Feeding apparatus. 1,506,887; Sept. 2.

Collins, Walter H., Summit, N. J. Toothbrush holder and sterilizer. 1,507,466; Sept. 2.

Comegys, E. F. (See Hormann, Diedrich F., assignor.)

Comer, Albert. (See Cockerell, B. F., and Comer.)

Conover, James V., Paoli, Okla. Chart. 1,507,467; Sept. 2.

Conrader, Rudolph, Erie, Pa. Tank-discharge-controlling device. 1,506,973; Sept. 2.

Continental Can Company. (See Coyle, John, assignor.)

Conveyers Corporation of America. (See Cooley, Leslie P., assignor.)

Conway, Roy D., Chatham, and R. L. Quass, Hawthorne, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Coin-collect system for automatic telephone exchanges. 1,506,735; Sept. 2.

Cook, William R. C., Renton, Wash. Wire-attaching device for concrete fenceposts. 1,507,553; Sept. 2.

Cooley, Leslie P., assignor to The Conveyers Corporation of America, Chicago, Ill. Conveyer system. 1,506,974; Sept. 2.

Cooling, Christopher L., Santa Monica, and H. G. Ostermann, Los Angeles, Calif. Electrically-heated bedpan. 1,507,336; Sept. 2.

Cooney, Charles, Dublin, Ireland. Boot and shoe having inflated air cushion inserted in the sole and heel thereof. 1,506,975; Sept. 2.

Coop, Rodney M., Gadsden, Tenn. Seed pan. 1,507,468; Sept. 2.

Cooper, John J., Stamford, Conn. Exercising apparatus. 1,507,554; Sept. 2.

Cope, Joseph H., Denver, assignor of one-half to G. F. Kern, Windsor, Colo. Illuminated speedometer. 1,506,976; Sept. 2.

Copeman, Lloyd G., Flint, Mich. Refrigerator latch. Re15,908; Sept. 2.

Corkran, Ceylon C., W. W. Payne, L. Deutsch, and S. F. Lentz, Chicago, Ill., assignors to The Texas Company, New York, N. Y. Track oiler. 1,506,919; Sept. 2.

Cormay, Walter J., Auburndale, Mass. Cap with removable visor. 1,506,815; Sept. 2.

Corona Typewriter Company. (See Ely, Alonzo B., assignor.)

Corson, John M., Brooklyn, N. Y. Furnace. 1,507,469; Sept. 2.

Cosford, Herbert J., Mondovi, Wis. Salt box for animals. 1,507,159; Sept. 2.

Cotton, James H., Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of ether and of other volatile substances. 1,507,337; Sept. 2.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y. Timing device for can machines. 1,507,107; Sept. 2.

Crawford, Stuart L., Rochester, N. Y. Pectin freed from protein and starch. 1,507,338; Sept. 2.

Cream Top Bottle Corporation. (See Hill, Herbert E., assignor.)

Cressler, Edward P., Newton, Kans. Interchangeable tooth. 1,507,231; Sept. 2.

Crisson, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Pilot-wire regulator system. 1,507,160; Sept. 2.

Crombie, Charles G. (See Shields, B. F., Crombie, and Windell.)

Crosley, Harry V., Roundup, Mont. Traction-increasing means for traction engines. 1,507,470; Sept. 2.

Cross, Sherman E., assignor to Universal Automotive Corporation of Seattle, Seattle, Wash. Universal oil pump. 1,506,888; Sept. 2.

Cryer, John F., Mount Vernon, N. Y. Bottle opener. 1,507,339; Sept. 2.

Cullinan, John J., Chicago, Ill. Impregnating articles with gut. 1,507,232; Sept. 2.

Cunningham, Robert J., and G. H. King, Salt Lake City, Utah. Treating copper. 1,507,340; Sept. 2.

Curtis, Ross E., Lincoln, Kans. Piston jig. 1,507,274; Sept. 2.

Cyphers, James F., Baltimore, Md. Process and apparatus for the continuous distillation of alcohol. 1,507,108; Sept. 2.

Darden, Rufus R. (See Juhl, A. L., and Darden.)

Davis, Elmer E., Muncie, Ind. Sand-cutting machine. 1,507,341; Sept. 2.

Davis, Lewis K., New York, N. Y., assignor to V. Camp, Norfolk, Va. Method and machine for making stiffened fabrics. 1,507,342; Sept. 2.

Davison Chemical Company, The. (See Patten, John, assignor.)

Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)

Dayton Engineering Laboratories Company, The. (See Fitzsimmons, John T., assignor.)

Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)

De Chambrier, Paul, Bevaix, Switzerland. Oil mining and drainage system. 1,506,920; Sept. 2.

Deere & Company. (See Silver, Walter H., assignor.)

De Forest, Lee, assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y. Radio signaling system. 1,507,016; Sept. 2.

De Forest, Lee, New York, N. Y., assignor to Radio Telephone & Telegraph Company. Wireless telegraph and telephone system. 1,507,017; Sept. 2.

De Forest Radio Telephone and Telegraph Company. (See De Forest, Lee, assignor.)

Degenhardt, Frank O., assignor of one-half to G. Boecher, Brooklyn, N. Y. Game apparatus. 1,507,343; Sept. 2.

Degner, Frank A., Salem, S. Dak. Luggage carrier. 1,507,047; Sept. 2.

Delco-Light Company. (See Kettering, C. F., and Chryst, assignors.)

Delco-Light Company. (See Replogle, James B., assignor.)

Delmué, Valentine F., Los Angeles, Calif. Hair crimper. 1,507,161; Sept. 2.

Dennison Manufacturing Company. (See Thompson, Frank H., assignor.)

Deussing, Paul, Ruhla, assignor to the Firm Löwenstein & Co., Frankfort-on-the-Main, Germany. Manufacture of artificial meerschaum. 1,507,545; Sept. 2.

Deutsch, Leo. (See Corkran, C. C., Payne, Deutsch, and Lentz.)

Devlin, John P., Dallas City, Pa. Elevator for pump rods. 1,507,048; Sept. 2.

Dichwolf, Max G., and C. E. Schultz, Chicago, Ill. Tire carrier. 1,506,977; Sept. 2.

Dickert, Julius, Chicago, Ill. Treating and producing corrected halftone plates or metallic printing plates. 1,507,049; Sept. 2.

Dienner, John A., Chicago, Ill. Lifting device. 1,506,816; Sept. 2.

Dienst, Karl, Charlottenburg, near Berlin, Germany. Storage of grain. 1,507,050; Sept. 2.

Diernhofer, Hermann, Zittau, Germany. Photographic apparatus for making heliochromes. 1,507,162; Sept. 2.

Dillman, George, Raton, N. Mex. Tire signal. 1,507,546; Sept. 2.

Dines, Joe, Tempe, Ariz. Gin leg. 1,507,471; Sept. 2.

Di Paola, Salvatore, and G. Restivo, Freemanspur, Ill. Headlight-steering mechanism 1,507,163; Sept. 2.

Dirienzo, John A., Madison, Wis. Internal-combustion engine. 1,506,921; Sept. 2.

Doebler Die-Casting Co. (See Pack, Charles, assignor.)

Doering, George H., Brooklyn, N. Y. Trap fishhook. 1,507,344; Sept. 2.

Dombrowski, Thomas. (See Camelo, N., and Dombrowski.)

Domestic Electric Company, The. (See Jannell, William, assignor.)

Dorfman, Leo, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,506,736; Sept. 2.

Dornier, Claudius, assignor, by mesne assignments, to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and said Claudius Dornier, Friedrichshafen, Germany. Bearing plane for aircraft. 1,506,817; Sept. 2.

Dornier-Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)

Doud, Fred L. (See Mattson, A., and Doud.)

Dougherty, Frank J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,522; Sept. 2.

Doughty, William H., Springvale, Me. Heel. 1,506,922; Sept. 2.

Dowd, Thomas J., New York, N. Y. Adjustable tap and die. 1,507,472; Sept. 2.

Doyle, James, Norwalk, Ohio. Calendar. 1,507,345; Sept. 2.

Doyle, William B., Arago, Oreg. Grain separator. 1,507,109; Sept. 2.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Keegan, Patrick, assignor.)

Draper Corporation. (See Languirand, William, assignor.)

Draper Corporation. (See Mathieson, Peter, assignor.)

Draper Corporation. (See Rhoades, Alonzo E., assignor.)

Draper Corporation. (See Stimpson, Edward S., assignor.)

Draper Corporation. (See Stone, Melvin L., assignor.)

Dray, George F., Santa Ana, Calif. Fireplace. 1,507,473; Sept. 2.

Dreyer, John T., assignor to The Variable Speed Gear Limited, London, England. Endless track for vehicles. 1,507,458; Sept. 2.

Driscoll, Roy A., Bay Point, Calif., assignor to General Electric Furnace Corporation, Reno, Nev. Metallurgical process. 1,507,346; Sept. 2.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Recessing or cutting attachment. 1,506,737; Sept. 2.

Drying Systems, Inc. (See Harrison, Burt S., assignor.)

Duffy, Michael W., Wyoming, Ill. Wall-finishing material. 1,507,275; Sept. 2.

Duffy, Michael W., Wyoming, Ill. Applying stucco finish to walls. 1,507,276; Sept. 2.

Duhrsen, Frederick J. (See Meyers, G. A., and Duhrsen.)

Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Ribbon spool. 1,506,889; Sept. 2.

Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Ribbon spool. 1,506,890; Sept. 2.

Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Ribbon-spool mounting. 1,506,891; Sept. 2.

Duncan, Robert H., Epping, New South Wales, Australia. Security box or case. 1,507,110; Sept. 2.

Dunlap, John S., Chicago, Ill. Bottle-seal-cap lifter. 1,507,277; Sept. 2.

Du Pont, E. I., de Nemours & Company. (See Broadbent, Alfred L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Cotton, James H., assignor.)

Duchus, Ben, Gallipolis, Ohio. Article holder. 1,506,923; Sept. 2.

Earnheart, Lucien T., Saunemin, Ill., assignor to The Safety First Devices Company, Inc., Indianapolis, Ind. Air valve and gange. 1,506,738; Sept. 2.

Earnshaw, William B. (See Kettering, C. F., and Earnshaw.)

Eastman Kodak Company. (See Haste, J. H., and Ward assignors.)

Eastman Kodak Company. (See Seel, Paul C., assignor.)

Eastman Kodak Company. (See Silberstein, Ludwik, assignor.)

Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient driving connection. 1,506,739; Sept. 2.

Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush-holder spring. 1,506,740; Sept. 2.

Economy Fuse & Manufacturing Company. (See Hoskins, Williams, assignor.)

Eclipse Stove Company, The. (See Taylor, Thomas E., assignor.)

Edelstein, Samuel H., Bayonne, N. J. Ship's light. 1,507,367; Sept. 2.

Edgell, Robert G., Bathurst, New South Wales, Australia. Variable-jet liquid sprayer. 1,506,819; Sept. 2.

Egersdörfer, Fritz, Charlottenburg, Germany. Rotary pump or blower. 1,506,892; Sept. 2.

Egersdörfer, Fritz, Charlottenburg, Germany. Pump, compressor, or blower. 1,506,893; Sept. 2.

Ehrenfeld, Ralph, East Pittsburgh, Pa., and A. A. Kucher, Jersey City, N. J., assignors to Westinghouse Electric & Manufacturing Company. Lubricating device. 1,506,741; Sept. 2.

Electro Metallurgical Company. (See Becket, Frederick M., assignor.)

Elliott, C. W., Limited. (See Morris, Walter, assignor.)

Elliott, Charles W., New Albany, Ind. Wood-bending machine. 1,507,368; Sept. 2.

Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,506,978; Sept. 2.

Ely, Alonzo B., assignor to Corona Typewriter Company, Inc., Groton, N. Y. Oil can. 1,507,233; Sept. 2.

Engelhard, Frederick H. (See Engelhard, William A., assignor.)

Engelhard, William A., assignor of one-half to F. H. Engelhard, Springfield, Mass. Box-band tightener. 1,507,164; Sept. 2.

Engelhardt, Alfred. (See Carstens, H., Engelhardt, and Müller.)

Epps, Frank A. (See Flory, C. B., and Epps.)

Erdman, Theodore J., and J. Schaeffer, assignors to Van Brunt Manufacturing Company, Horicon, Wis. Pressure-regulating mechanism. 1,506,820; Sept. 2.

Erfle, Heinrich, deceased, by I. Erfle, administratrix, assignor to the Firm of Carl Zeiss, Jena, Germany. Lens system for galilean telescopes. 1,507,111; Sept. 2.

Erfle, Ilse, administratrix. (See Erfle, Heinrich.)

Escott, Albert E., London, England. Power-transmitting apparatus. 1,507,369; Sept. 2.

Eshleman, Amy M., Lancaster, Pa. Doll. Des. 65,523; Sept. 2.

Etter, John F., Chambersburg, Pa. Mop wringer. 1,507,474; Sept. 2.

Evans, Charles K., Albert Lea, Minn. Car-top dressing and preparing the same. 1,507,550; Sept. 2.

Evans, Charles T., Titusville, Pa. Alloy steel and making the same. 1,506,894; Sept. 2.

Evans, Sanford, Westport, Conn., assignor to G. F. Miles, New York, N. Y. Friction bearing for wind and rain shields and other devices. 1,507,234; Sept. 2.

Evens, Thomas N., Saffron Walden, England. Sign. 1,507,308; Sept. 2.

Evey, George E., Lisco, Nebr. Sled-runner hayrake. 1,507,051; Sept. 2.

Fanger, Fred E., Mexico, Mexico. Attachment for typewriters. 1,507,278; Sept. 2.

Fannon, William F., Uhrichsville, assignor of one-fourth to W. C. Baker, Port Washington, Ohio. Railway signaling device. 1,507,052; Sept. 2.

Farbenfabriken vorm. Friedr. Bayer and Co. (See Carstens, H., Engelhardt, and Müller, assignors.)

Fekete, Stephen L., assignor to Hudson Motor Car Company, Detroit, Mich. Tappet cover for internal-combustion engines. 1,507,165; Sept. 2.

Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical measuring method and means. 1,506,895; Sept. 2.

Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing method and system. 1,506,896; Sept. 2.

Finke, August. (See Bradburn, C. E., and Finke.)

Fisk Rubber Company, The. (See Dougherty, Frank J., assignor.)

Fitzpatrick, John. (See Bower, C. R., and Fitzpatrick.)

Fitzpatrick, John J. (See Pettit, J. H., and Fitzpatrick.)

Fitzsimmons, John T., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,507,309; Sept. 2.

Flagg, Ernest, New York, N. Y. Nose washer. 1,507,475; Sept. 2.

Flanigan, Joseph M., Shamokin, Pa. Method and apparatus for making dental crowns. 1,507,476; Sept. 2.

Flettner, Anton, Berlin, Germany. Steering device. 1,506,821; Sept. 2.

Flory, Curtis B., Forest Hills, and F. A. Epps, assignors to Foamite-Childs Corporation, New York, N. Y. Method and apparatus for extinguishing generator fires. 1,507,053; Sept. 2.

Flower, David B., Glenside, Pa. Electric-brush holder. 1,507,347; Sept. 2.

Foamite-Childs Corporation. (See Flory, C. B., and Epps, assignors.)

Folberth Auto Specialty Company, The. (See Folberth, Fred G. and W. M., assignors.)

Folberth, Fred G. and W. M., assignors to The Folberth Auto Specialty Company, Cleveland, Ohio. Lubricating system. 1,507,310; Sept. 2.

Folberth, William M. (See Folberth, Fred G. and W. M.)

Fölsche, Karl, Halle-on-the-Saale, Germany. Hydraulic unloader. 1,507,054; Sept. 2.

Ford, Henry, Dearborn, Mich. Electric generator. 1,507,348; Sept. 2.

Ford, Henry. (See Horton, Allen A., assignor.)

Forger, Albert H., Los Angeles, Calif. Making molded glassware and apparatus therefor. 1,507,055; Sept. 2.

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Modulating system. 1,506,742; Sept. 2.

Foster, Charles B., Indianapolis, Ind. Umbrella shed for trains, etc. 1,506,822; Sept. 2.

Foulks, Itha, Chicago, Ill. Educational game device. 1,506,979; Sept. 2.

Fraccascia, Frank, Philadelphia, Pa. Adjustable window screen. 1,507,477; Sept. 2.

Francoeur, Alfred J., Fall River, Mass. Spark plug. 1,506,823; Sept. 2.

Franklin, Kelly I., Tillamook, Oreg. Sawmill-track adjuster. 1,506,824; Sept. 2.

Franz, John M., Saginaw, Mich. Window-washing device. 1,507,349; Sept. 2.

Franzen, Eric T., Maplewood, N. J. Sprinkler head. 1,507,350; Sept. 2.

Freeble, Benjamin F., Jamaica, N. Y., assignor to Sewickley Electric Manufacturing Company, Sewickley, Pa. Ash tray and like structure. 1,507,370; Sept. 2.

Freund, Guillermo, Lima, Peru. Pneumatic action for player pianos. 1,506,980; Sept. 2.

Freund, Henry, Houston, Tex. Cooking attachment for internal-combustion motors. 1,507,112; Sept. 2.

Friedman, Louis, New York, N. Y. Necktie. Des. 65,524; Sept. 2.

Friedman, Louis, New York, N. Y. Necktie. Des. 65,525; Sept. 2.

Friedman, Louis, New York, N. Y. Necktie. Des. 65,526; Sept. 2.

Fuller-Lehigh Company. (See Collins, Harry R., assignor.)

Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on the soles of boots and shoes. 1,506,825; Sept. 2.

Gairing, Josef, Riedlingen-on-the-Donau, Germany. Fuel-charging device for brickkilns. 1,506,924; Sept. 2.

Galusha, Albert L., Caldwell, N. J. Gas producer. 1,506,826; Sept. 2.

Garrett, Richard M., assignor to Nestle's Food Company, New York, N. Y. Process and apparatus for sealing under vacuum. 1,507,166; Sept. 2.

Gellert, Ralph F., Munhall, Pa. Tongs and the like. 1,506,827; Sept. 2.

General Electric Furnace Corporation. (See Driscoll, Roy A., assignor.)

General Fireproofing Company, The. (See Schmitz, Fred A., assignor.)

General Motors Research Corporation. (See Geyer, Harvey D., assignor.)

General Motors Research Corporation. (See Kettering, C. F., and Earnshaw, assignors.)

General Motors Research Corporation. (See Lee, Charles L., assignor.)

General Railway Signal Company. (See Larry, Edwin C., assignor.)

General Railway Signal Company. (See Lenke, Richard C., assignor.)

Gentile, Scipio S., Vicksburg, Miss. Fuel-mixing attachment. 1,507,558; Sept. 2.

Gerrard, Alec J. (See Hintz, Leroy F., assignor.)

Geyer, Harvey D., assignor to General Motors Research Corporation, Dayton, Ohio. Engine indicator. 1,507,555; Sept. 2.

Gielas, Louis, Washington, D. C. Signaling means for toy banks and for other purposes. 1,507,279; Sept. 2.

Giesler, Charles F. R. (See Möbius, Fritz, assignor.)

Gigliotti, Francesco, Springfield, Mass. Machine for making confections. 1,507,167; Sept. 2.

Gilbride, Charles F. (See McShaffrey, T. E., and Gilbride.)

Gilman, Charles. (See Parmley, W. C., and Gilman.)

Gilman, George H., Boston, Mass., assignor to Sullivan Machinery Company. Pressure-fluid motor. 1,507,018; Sept. 2.

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Hide-stretching apparatus. 1,506,828; Sept. 2.

Godley, Anthony, West Frankfort, Ill. Automatic mine door. 1,507,056; Sept. 2.

Goldman, Gustav, assignor of one-half to R. Silverman, Baltimore, Md. Separable-blade knife. 1,506,897; Sept. 2.

Goldman, Harry H. (See Rossiter, Frederick R., assignor.)

Golon, Julius, Suffield, Conn. Corn planter. 1,507,311; Sept. 2.

Gomand, Gabriel, Barcelona, Spain. Balanced sluice valve. 1,507,280; Sept. 2.

Goodell, Rex. (See Buttross, Joseph A. and G. A., assignors.)

Goode, Gilbert C., assignor to The White Motor Company, Cleveland, Ohio. Vehicle spring. 1,506,898; Sept. 2.

Gooderham, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,506,743; Sept. 2.

Gooderham, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,507,113; Sept. 2.

Goodridge, Gilbert W., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp socket. 1,507,371; Sept. 2.

Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,506,899; Sept. 2.

Goodrum, John D., Houston, Tex. Hair holder. 1,507,168; Sept. 2.

Goodyear Tire & Rubber Company, The. (See Tourtellot, Wayne L., assignor.)

Goss, Harold J., Nashua, N. H., assignor, by mesne assignments, to The Lake Erie Trust Company, Cleveland, Ohio. Tabbing machine. 1,506,829; Sept. 2.

Gossling, Walter E., New York, N. Y., assignor to The Prest-O-Lite Company, Inc. Post and cover sealing means. 1,507,114; Sept. 2.

Gottlieb, Louis L., et al. (See Agnichek, Franck, assignor.)

Gover, Bowen R., Detroit, Mich. Signaling apparatus. 1,507,019; Sept. 2.

Graham, William P., New York, N. Y. Drinking glass. Des. 65,527; Sept. 2.

Graham, William P., New York, N. Y. Tumbler. Des. 65,528; Sept. 2.

Grant, George M., Oakland, Calif. Posthole digger. 1,507,057; Sept. 2.

Grasselli Chemical Company. (See Keep, G. A., and Hoff, assignors.)

Graves, George S., and W. H. Howard, Sedalia, Mo. Operating mechanism for garage and barn doors. 1,506,825; Sept. 2.

Gray, John A., East St. Louis, Ill. Burglarproof window guard. 1,507,478; Sept. 2.

Greenawalt, Lewis J., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Floating contact terminal. 1,506,744; Sept. 2.

Greenstreet, Charles J., administrator. (See Greenstreet, Jason H.)

Greenstreet, Jason H., deceased, Indianapolis, Ind.; C. J. Greenstreet, administrator. Multiply paper. 1,507,372; Sept. 2.

Greenstreet, Jason H., deceased, Indianapolis, Ind.; C. J. Greenstreet, administrator. Paperboard machine. 1,507,373; Sept. 2.

Greenwell, Hazel D., Fort Thomas, Ky. Intelligence station. 1,507,169; Sept. 2.

Greer, William O., Kentenia, Ky. Pump separator. 1,507,281; Sept. 2.

Greiner, Adolph, Detroit, and C. J. Long, Grosse Pointe Shores, Mich. Valve. 1,506,900; Sept. 2.

Griffith, Harry O., assignor to Marietta Manufacturing Company, Indianapolis, Ind. Corner-smoothing machine for glassware. 1,506,745; Sept. 2.

Griffith, Israel L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Field-coil-insulating shield. 1,506,746; Sept. 2.

Gross, Paul, Berlin, Germany, assignor of one-fifth to Peaslee, Brigham and Gennert, New York, N. Y. Apparatus for making food products from grain. 1,506,830; Sept. 2.

Gross, Paul, Charlottenburg, near Berlin, Germany, assignor of one-fifth to Peaslee, Brigham and Gennert, New York, N. Y. Manufacture of whole-grain bread. 1,506,831; Sept. 2.

Grover, Albert D., New York, N. Y., assignor to Autosales Corporation. Vending machine. 1,506,902; Sept. 2.

Gruenewald, Wilhelm O. (See Jones, J. E., and Gruenewald.)

Grünewald, Aloys, Berlin, Germany. Filing device for letter files, portfolios, and the like. 1,507,547; Sept.

Gulbenson Corporation, The. (See Mowers, Osmyn, assignor.)

Guildener, Frank, Catonsville, Md., assignor to Sargent & Company, New Haven, Conn. Padlock or similar article. Des. 65,529; Sept. 2.

Gunn, Fred W., Boston, Mass. Hose clamp. 1,507,170; Sept. 2.

Gunter, Clarke, Gunter, Tex. Receptacle for tobacco and cigarette papers. 1,506,926; Sept. 2.

Hahnemann, Walter, and H. Hecht, Kitzeberg, near Kiel, assignor to Signal Gesellschaft m. b. H., Kiel, Germany. Sound receiver. 1,507,171; Sept. 2.

Hall, John A., Bayside, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,506,747; Sept. 2.

Hall, John A., Bayside, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,506,901; Sept. 2.

Hall, Peter P. G., Philadelphia, Pa. Method of and machine for milling tapered threads. 1,507,235; Sept. 2.

Hammatt, William C., San Francisco, Calif. Pavement. 1,507,282; Sept. 2.

Hancock, Charles E., assignor of one-half to D. L. Moore, Bell, Calif. Combination delivery car and saw rig. 1,507,115; Sept. 2.

Hand, Clarence R., Maplewood, Mo. Collar button. 1,506,902; Sept. 2.

Hand, John A., Cleveland, Ohio. Ball return for pocket-billiard tables. 1,507,479; Sept. 2.

Hanna, Carl M., Del Norte, Colo. Sorting machine. 1,507,058; Sept. 2.

Hanna, George W., Sardis, Tenn. Well-digging machine. 1,507,283; Sept. 2.

Hansen, August O. W., New York, N. Y. Elevator. 1,506,927; Sept. 2.

Hansen, Pauline and W. E. J., Watts, Calif. Knife. 1,506,928; Sept. 2.

Hansen, Poul, Hellerup, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Hydraulic press. 1,506,903; Sept. 2.

Hansen, Walter E. J. (See Hansen, Pauline and W. E. J.)

Hansson, Soren. (See Anderson, Harry T., assignor.)

Harness, Charles D., and C. D. Bradshaw, Lucasville, Ohio. Marker-shaft-driving mechanism for corn planters. 1,507,480; Sept. 2.
Harper, William J. (See Walker, B. T., and Harper.)
Harris, Courtley G., Paris, Ill. Nut lock. 1,507,481; Sept. 2.
Harris, William H. (See Nash, F. S., Harris, and Schwarz.)
Harrison, Burt S., assignor to Drying Systems, Inc., Chicago, Ill. Equalized distribution system for fluids. 1,506,904; Sept. 2.
Harrison, Frank Y., assignor to Murphy Iron Works, Detroit, Mich. Adjustable valve-operating mechanism. 1,506,929; Sept. 2.
Harrison, Robert H., Raleigh, N. C. Working schedule or indicating guide. 1,507,172; Sept. 2.
Hartford Rubber Works Company, The. (See Lough, Hector V., assignor.)
Haselmaier, Maurice R., Mount Vernon, Ala. Disk brake for vehicle wheels. 1,506,930; Sept. 2.
Haskell, Broderick, Franklin, Pa. Railway-brake-lever connection. 1,507,173; Sept. 2.
Haste, James H., and E. J. Ward, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic film with base of neutral tint. 1,507,174; Sept. 2.
Hatfield, Clyde W., Emerson, Iowa. Grain-car door. 1,507,175; Sept. 2.
Hause, John W. (See McCranie, Shafter M., assignor.)
Hawthorn, Harold, and H. A. Huntley, London, England. Apparatus for the vulcanization of articles of rubber, rubber substitutes, and the like. 1,507,059; Sept. 2.
Hayes, Seth, Cleveland, Ohio. Apparatus for generating gas. 1,507,060; Sept. 2.
Haywood, John W., New York, N. Y., assignor, by mesne assignments, to Horne Electric & Manufacturing Company. Electromagnetic fuse. 1,506,748; Sept. 2.
Hecht, Heinrich. (See Hahnemann, W., and Hecht.)
Heddon's, James, Sons. (See Welch, John T., assignor.)
Heine Boiler Company. (See Clay, Samuel B., assignor.)
Heine Boiler Company. (See Siegerist, Walter, assignor.)
Heine, Gustave O., San Francisco, Calif. Baggage receptacle. 1,507,176; Sept. 2.
Heinrich, Annie S. and J., Paterson, N. J. Manufacture of icing. 1,507,374; Sept. 2.
Heinrich, Joseph. (See Heinrich, Annie S. and J.)
Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
Hellmann, Carl A., Washington, D. C. Electrical-circuit controller. 1,506,832; Sept. 2.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protective apparatus for generators. 1,506,749; Sept. 2.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Overload protection for generators. 1,506,750; Sept. 2.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Liquid rheostat. 1,506,751; Sept. 2.
Helm, Max, Niederschonhausen, near Berlin, Germany. Type-cylinder typewriter. 1,507,375; Sept. 2.
Hemphill Company. (See Taft, Sydney E., assignor.)
Hemphill Company. (See Wilcomb, J. Frank, assignor.)
Henrikson, Frank W., Mulberry, Kans. Link coupler. 1,507,177; Sept. 2.
Hensen, Emil, Coraopolis, Pa. Cargo box for barges. 1,507,284; Sept. 2.
Hermann, Otto. (See Heym, Ernest R., assignor.)
Heym, Ernest R., assignor, by mesne assignments, to O. Hermann, Philadelphia, Pa. Combination lock for motor vehicles. 1,507,351; Sept. 2.
Hicks, William D., Inglewood, Calif. Combination wall board and lath. 1,506,931; Sept. 2.
Higginbotham, Paul R., assignor to Budd Wheel Company, Philadelphia, Pa. Lifting device for demountable wheels. 1,506,833; Sept. 2.
Hill, Herbert E., assignor to Cream Top Bottle Corporation, Albany, N. Y. Separator for milk bottles. 1,506,752; Sept. 2.
Hillyer, William R., Port Richmond, N. Y. Traction attachment for vehicle wheels. 1,506,905; Sept. 2.
Hilscher, Curt, Chemnitz, Germany. Thread-guiding device for cotton-knitting machines. 1,507,482; Sept. 2.
Hincher Manufacturing Company of Indiana. (See Holliday, John F., assignor.)
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,507,116; Sept. 2.
Hintz, Leroy F., Highland Park, assignor to A. J. Gerrard, Chicago, Ill. Machine for packaging rubber tires and similar articles. 1,507,376; Sept. 2.
Hitchcock, Harry W., New York, N. Y., assignor to American Telephone and Telegraph Company. Method of and means for reducing interference in transmission systems. 1,507,178; Sept. 2.
Hoey, Samuel C., assignor to Westinghouse Electric & Manufacturing Company, Wilkinsburg, Pa. Support for rotor windings. 1,506,753; Sept. 2.
Hoff, Clayton M. (See Keep, G. A., and Hoff.)
Hoffman, Fred D., Kansas City, Mo. Power transmission. 1,507,061; Sept. 2.
Hoffman, Fred D., Kansas City, Mo. Pump. 1,507,062; Sept. 2.
Hoffman, Glenn R., assignor to Hoffman Manufacturing Company, Springfield, Ill. Transmission band. 1,507,285; Sept. 2.
Hoffman Manufacturing Company. (See Hoffman, Glenn R., assignor.)
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Variable line spacer. 1,507,352; Sept. 2.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Back spacer for typewriters. 1,507,353; Sept. 2.
Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon mechanism for typewriters. 1,507,354; Sept. 2.
Holcomb, Alpheus E., and L. A. Russell, assignors to Koehring Company, Milwaukee, Wis. Convertible crane. 1,506,906; Sept. 2.
Holcomb & Hoke Mfg. Co. (See Mouron, Robert A. and S. M., assignors.)
Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Lock for carrying cases. 1,507,355; Sept. 2.
Holdzkom, David W., Longport, N. J. Scissors sharpener. 1,507,286; Sept. 2.
Holle, Albert J., Rushford, Minn. Lawn mower. 1,507,179; Sept. 2.
Holliday, John F., assignor to Hincher Manufacturing Company of Indiana, Washington, Ind. Garment hanger. 1,507,287; Sept. 2.
Holly, Henry W., Brooklyn, N. Y. Sanitary bandage. 1,507,180; Sept. 2.
Holmquist, August. (See Martin, T., and Holmquist.)
Holmquist, John A., New York, N. Y. Taximeter fuel-control mechanism. 1,507,483; Sept. 2.
Hook, Charles H., Pittsburgh, Pa. Control valve. 1,506,834; Sept. 2.
Hooper, Logan H., and R. A. Murray, Muskogee, Okla. Classification box. 1,507,312; Sept. 2.
Hooppaw Manufacturing Company. (See Hooppaw, Oscar W., assignor.)
Hooppaw, Oscar W., assignor to Hooppaw Manufacturing Company, St. Louis, Mo. Fastener. 1,507,377; Sept. 2.
Hopkins, Nevil M., New York, N. Y., assignor to The Burnot Fireproofing Products, Inc. Fire-resisting paint. 1,507,181; Sept. 2.
Hopwood, William, Titusville, Pa. Automatic shut-off valve. 1,507,182; Sept. 2.
Hormann, Diedrich F., assignor of one-half to E. F. Comegys, Oklahoma City, Okla. Homogenizing valve. 1,507,378; Sept. 2.
Hormel, George A., & Company. (See Smith, Thomas A., assignor.)
Horne Electric & Manufacturing Company. (See Haywood, John W., assignor.)
Horton, Allen A., Highland Park, assignor to H. Ford, Dearborn, Mich. Hydroelectric-unit flywheel governor. 1,507,356; Sept. 2.
Hoskins, William, assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Plastic. 1,507,379; Sept. 2.
Howard, Wayde H. (See Graves, G. S., and Howard.)
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Reel and spindle mount therefor. 1,507,357; Sept. 2.
Hudson, Charles E., Leominster, Mass. Dental floss holder. 1,507,313; Sept. 2.
Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
Hudson, Vester L., Atlanta, Tex. Fuel burner. 1,506,932; Sept. 2.
Humiston, John M., Berwyn, Ill. Earth-boring machine. 1,507,236; Sept. 2.
Humphreville, Frank, Atlantic City, N. J. Oil burner. 1,507,484; Sept. 2.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Fuel-distributing system. 1,507,314; Sept. 2.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Manifold heating system. 1,507,315; Sept. 2.
Huntley, Harry A. (See Hawthorn, H., and Huntley.)
Hutchison, William M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,506,754; Sept. 2.
Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
Hyrate Manufacturing Company. (See Terry, Charles W., assignor.)
Ibach, Emil, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Locking device for the hub caps of demountable wheels. 1,507,063; Sept. 2.
Ilmer, Louis, Cortland, N. Y. Internal-combustion engine. 1,506,835; Sept. 2.
Imhof, Joseph A., assignor to Invisible Color Print Corporation, New York, N. Y. Printing. 1,507,358; Sept. 2.
Inflorati, Matteo E., jr., assignor to The J. N. Lapointe Company, New London, Conn. Broaching machine. 1,507,288; Sept. 2.
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Kirgan, John F., assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
Ingersoll-Rand Company. (See Reed, Forrest C., assignor.)

Inland Manufacturing Company, The. (See Nellis, Charles P., assignor.)
International Nitrogen Company. (See Reid, James H., assignor.)
International Scale Company. (See Osgood, Louis A., assignor.)
International Toy Manufacturing Company. (See Palmatier, Eulis J., assignor.)
Invisible Color Print Corporation. (See Imhof, Joseph A., assignor.)
Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
Isaacs, Albert, New York, and R. Baldauf, Hempstead, N. Y., assignors to The Beck Duplicator Company. Duplicator. 1,507,183; Sept. 2.
Jackson, Andrew J., assignor to The Allbright-Nell Company, Chicago, Ill. Ice-handling car. 1,506,907; Sept. 2.
Jackson, John W., East Taunton, Mass. Spark plug. 1,506,836; Sept. 2.
Jacobs, Hannah, Brooklyn, N. Y. Hair-waving comb. 1,507,380; Sept. 2.
Jaegers, Albert, Suffern, N. Y., assignor to The Segar Studios, Inc. Lighting-fixture bracket. Des. 65,530; Sept. 2.
Janeček, František, Prague, Czechoslovakia. Hand grenade. 1,507,184; Sept. 2.
Jannell, William, West Park, assignor to The Domestic Electric Company, Cleveland, Ohio. Commutator-slotting machine. 1,507,381; Sept. 2.
Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)
Jenkins, Edward E., Baltimore, Md. Pen and pencil clip. 1,507,485; Sept. 2.
Jewell, William M., assignor to Chlorine Products Company, Chicago, Ill. Liquefying gas. 1,507,289; Sept. 2.
Johns-Manville Incorporated. (See McClure, Benjamin C., assignor.)
Johnson, Allan C., Akron, Ohio. Battery container. 1,506,837; Sept. 2.
Johnson, Fritz R., Providence, R. I. Compact container. 1,507,117; Sept. 2.
Johnson, William G., Guthrie, assignor of one-half to J. D. Palmer, Purcell, Okla. Automobile signal. 1,506,838; Sept. 2.
Jones, Eugene A., assignor to R. J. Palmer, Los Angeles, Calif. Joint locking and reenforcing means. 1,507,290; Sept. 2.
Jones, Fred F., Chillicothe, Ohio. Fountain cuspidor. 1,507,185; Sept. 2.
Jones, James E., and W. O. Gruenewald, Chicago, Ill.; said Gruenewald assignor of fifty-one per cent to said Jones. Hoist. 1,507,064; Sept. 2.
Jones, Jessie E., Bartlesville, Okla. Combined casing spear and coupler. 1,507,291; Sept. 2.
Jones, John, Littleborough, England. Ascertaining the position of punctures in the air tubes of pneumatic tires. 1,507,486; Sept. 2.
Jozefowicz, Ignatz, Kenosha, Wis. Lock. 1,507,237; Sept. 2.
Judge, John, Manchester, England. Commutator or rotary ignition-current distributor for internal-combustion engines. 1,507,065; Sept. 2.
Judge, Patrick R., Parker, S. Dak. Device for opening and closing sliding doors and for other purposes. 1,507,186; Sept. 2.
Jubl, Albert L., and R. R. Darden, Niles, Calif. Signboard. 1,507,187; Sept. 2.
Julian, Gideon, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-rounding machine. 1,506,839; Sept. 2.
Kabelitz, Wilhelm, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Supporting device for film spools. 1,507,118; Sept. 2.
Kable, Joseph, Tomahawk, Wis. Farm gate. 1,507,066; Sept. 2.
Kane, James M., New York, N. Y. Manufacture of chair seats. 1,507,188; Sept. 2.
Karpenstein, Charles A., Chicago, Ill. Window construction. 1,507,119; Sept. 2.
Katz, Max, Providence, R. I. Clock case. Des. 65,531; Sept. 2.
Keegan, Patrick, Fall River, assignor to Draper Corporation, Hopedale, Mass. Filling-end controller. 1,507,131; Sept. 2.
Keep, Glenn A., Elizabeth, N. J., and C. M. Hoff, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Heating and distilling liquids and apparatus therefor. 1,507,120; Sept. 2.
Kello, Albert F., Muscatine, Iowa. Grinding attachment for automatic button machines. 1,507,382; Sept. 2.
Kelm, Lester H., Pittsburgh, Pa., assignor to R. D. Nuttall Company. Transmission mechanism. 1,506,755; Sept. 2.
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,506,933; Sept. 2.
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kemper, Charles W. (See Kemper, John T. and C. W.)
Kemper, John T. and C. W., Alameda, Calif. Rope clamp. 1,507,316; Sept. 2.
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Composite molded structure. 1,506,756; Sept. 2.
Kern, George F. (See Cope, Joseph H., assignor.)
Kernohan, Robert B., J. S. Lockhead, and W. Trinks, Pittsburgh, Pa. Structure and operation of heating furnaces. 1,506,840; Sept. 2.
Kessel, Frederick F., Marine City, Mich., and L. L. Scott, Martinsburg, W. Va. Carrier. 1,506,841; Sept. 2.
Kesselring, William D., Topeka, Kans. Shocking machine. 1,507,489; Sept. 2.
Kettering, Charles F., and W. A. Chryst, assignors, by mesne assignments, to Delco-Light Company, Dayton, Ohio. System of gas control. 1,507,292; Sept. 2.
Kettering, Charles F., and W. B. Earnshaw, assignors, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Cylinder construction. 1,507,293; Sept. 2.
Keyes, Henry S., Los Angeles, Calif. Shoe-tying device. 1,507,189; Sept. 2.
Kidder, John F., Burlington, Vt. Cornice brake. 1,507,067; Sept. 2.
King, George H. (See Cunningham, R. J., and King.)
King, Joseph, assignor of one-half to M. G. Albrecht, Unadilla, N. Y. Wire-stretching device. 1,506,842; Sept. 2.
King, Josephine. (See Stackhouse, John A., assignor.)
Kirgan, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Jet augmenter or ejector. 1,506,908; Sept. 2.
Kirkbride, Walter H., Palo Alto, Calif. Curve rail plate. 1,507,068; Sept. 2.
Klalia, James, Rio, Wis. Vehicle lock. 1,507,069; Sept. 2.
Klaun, Rudolph, Chicago, Ill. Flush-tank valve. 1,507,383; Sept. 2.
Klein, Max, New York, N. Y. Wall bracket for lighting fixtures. Des. 65,532; Sept. 2.
Klein, Max, New York, N. Y. Wall bracket for lighting fixtures. Des. 65,533; Sept. 2.
Klitz, Claude W., Aberdeen, S. Dak. Sign. 1,507,487; Sept. 2.
Knowlton, Frank W., Mount Vernon, N. Y. Easel. 1,507,384; Sept. 2.
Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Belt-tightening device. 1,507,238; Sept. 2.
Koehring Company. (See Holcomb, A. E., and Russell, assignors.)
Kohlhase, Frank L., assignor to National Stamping & Electric Works, Chicago, Ill. Electric grill. 1,506,909; Sept. 2.
Kohn, Milton M., New York, N. Y. Work support for heaters. 1,507,385; Sept. 2.
Komarnisky, Joseph, Scobey, Mont. Elevator. 1,506,843; Sept. 2.
Kosche, Mike, Trenton, N. J. Padlock. 1,507,386; Sept. 2.
Kraemer, Emil E., Hicksville, N. Y. Extension bolt. 1,507,488; Sept. 2.
Krasel, Frank, et al. (See Agnichek, Franck, assignor.)
Krentler-Arnold Hinge Last Company. (See Krentler, Walter A., assignor.)
Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Hinge last. 1,506,934; Sept. 2.
Kress, Hubert, Frankfort-on-the-Main, Germany. High-tension transformer. 1,507,190; Sept. 2.
Krysztofink, Josef, assignor to l'Aureole Co., Inc., New York, N. Y. Hair-curling device. 1,506,935; Sept. 2.
Kilchemann, Willy, Berlin-Wilmersdorf, and F. Wucherer, Berlin-Charlottenburg, Germany. Piston. 1,507,490; Sept. 2.
Kucher, Andrew A. (See Ehrenfeld, R., and Kucher.)
Kyler, Albert H., Westminster, Md. Machine for boxing or casing cans. 1,507,387; Sept. 2.
Laberge, Ernest E., Rockliffe, Ontario, Canada. Lawn sweeper. 1,507,317; Sept. 2.
La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Folding machine. 1,506,844; Sept. 2.
Ladd, Story B., Washington, D. C. Aeronautic chart. 1,507,191; Sept. 2.
Lake Erie Trust Company, The. (See Goss, Harold J., assignor.)
Lammers, Edwin S., jr., Elyria, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,506,757; Sept. 2.
Landreth, Clarence P., Philadelphia, Pa. Electrochemical treatment of liquids. 1,507,121; Sept. 2.
Langen, George H., and C. E. Lluden, assignor to The Cincinnati Planer Company, Cincinnati, Ohio. Planer-lubricating device. 1,507,070; Sept. 2.
Languirand, William, New Bedford, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,122; Sept. 2.
Lapointe, J. N., Company, The. (See Inflorati, Matteo E., jr., assignor.)
Larry, Edwin C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Switch-throw-rod connection. 1,507,491; Sept. 2.
Larson, Oscar H., Grove City, Minn. Saw attachment for tractors. 1,507,388; Sept. 2.
Lauber, William, Milwaukee, Wis. Tool-handle ferrule. 1,507,071; Sept. 2.

Lauber, William, Milwaukee, Wis. Clothespin and making the same. 1,507,072; Sept. 2.
Laukandt, Bernhard F., Red Wing, Minn. Toy airplane. 1,507,192; Sept. 2.
L'Aureole Co. (See Krysztofiak, Josef, assignor.)
La Vine, Edward, Los Angeles, Calif. Key case. 1,507,492; Sept. 2.
Lea, James E., Manchester, England. Apparatus for indicating and recording the rate of feed of granular materials. 1,506,936; Sept. 2.
Lenke, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Circuit controller for semaphore signal mechanism. 1,507,493; Sept. 2.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile top or roof. 1,506,845; Sept. 2.
Ledwinka, Joseph. (See Budd, E. G., and Ledwinka.)
Lee, Albert P., assignor to Lee Trailer & Body Co., Chicago, Ill. Nonweaving steering mechanism. 1,506,910; Sept. 2.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Machine for folding sheet material. 1,507,318; Sept. 2.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Tool. 1,507,319; Sept. 2.
Lee Trailer & Body Co. (See Lee, Albert P., assignor.)
Lentz, Samuel F. (See Corkran, C. C., Payne, Deutsch, and Lentz.)
Lewis, Alfred S., West Chester, Pa. Pressure-reducing valve. 1,507,073; Sept. 2.
Lewis, Lloyd, Muskegon, Mich. Demountable rims 1,507,074; Sept. 2.
Lewis, William D., Plymouth, Pa. Pick-head fastener. 1,507,494; Sept. 2.
Lewis, William Y. (See Adkins, B. R., and Lewis.)
Lichter, Malvin, assignor to Stickless Fan Company, New York, N. Y. Composite color process for printing pictures. 1,507,239; Sept. 2.
Linden, Carl E. (See Langen, G. H., and Linden.)
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace-regulator system. 1,506,758; Sept. 2.
Littleford Brothers. (See Streitman, Herman H., assignor.)
Lockhead, James S. (See Kernohan, R. B., Lockhead, and Trinks.)
Loeble, Gottlob E., Brooklyn, N. Y. Egg crate. 1,507,133; Sept. 2.
Logan, Albert E., Brooklyn, N. Y. Wheel rim. 1,506,911; Sept. 2.
Lohrentz, Edward A., Milwaukee, Wis. Folding box or crate. 1,507,557; Sept. 2.
Lomax, Clarence E., assignor to Automatic Electric Company, Chicago, Ill. Wire chief's test circuit for telephone systems. 1,507,075; Sept. 2.
Long, Cornelius J. (See Greiner, A., and Long.)
Lough, Hector V., assignor to The Hartford Rubber Works Company, Hartford, Conn. Tire-treating apparatus. 1,507,240; Sept. 2.
Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Braking apparatus. 1,507,389; Sept. 2.
Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Braking apparatus. 1,507,390; Sept. 2.
Lovejoy, Ralph M., Meredith, N. H. Hydraulic clutch. 1,506,846; Sept. 2.
Löwenstein & Co. (See Deussing, Paul, assignor.)
Ludlow Typograph Company, The. (See Brasted, Clair H., assignor.)
Luhrman, Albert H., Cincinnati, Ohio. Preparing wooden storage-battery separators. 1,507,076; Sept. 2.
Lundell, Alben E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,506,759; Sept. 2.
Lustig, Herbert W., Youngstown, Ohio, assignor to J. J. Lustig, Saranac Lake, N. Y. Measuring and dispensing apparatus. 1,507,495; Sept. 2.
Lustig, Joseph J. (See Lustig, Herbert W., assignor.)
Lysons, Noel H., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. 1,506,760; Sept. 2.
Maake, Arthur, Detroit, Mich. Window for motor-driven vehicles. 1,507,077; Sept. 2.
MacFarland, William L. (See Barnett, B., and MacFarland.)
MacKenzie, William A., Long Beach, Calif. Battery-terminal protector. 1,507,320; Sept. 2.
Mackie, Duncan R., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Display holder. 1,507,078; Sept. 2.
Macpherson, Byron, Roxbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Process and apparatus for testing dielectric materials. 1,506,761; Sept. 2.
MacPherson, Hugh D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,506,912; Sept. 2.
MacPherson, Hugh D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,506,913; Sept. 2.
Magnavox Company, The. (See Messner, Benjamin F., assignor.)
Majestic Company, The. (See Redrup, William D., assignor.)
Maki, Otto, and K. Arlin, Palmer, Mass. Boat-propelling mechanism. 1,506,847; Sept. 2.
Mallory, Claude A., Madison, S. Dak. Reflector. 1,507,496; Sept. 2.
Maloney, William A., Needham, Mass. Detachable heel. 1,506,982; Sept. 2.
Malott, Charles K., Indianapolis, Ind. Safety and short-circuiting device for spark plugs. 1,507,391; Sept. 2.
Mancha, Raymond, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Charging station for storage-battery locomotives. 1,506,848; Sept. 2.
Mancha, Raymond, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Handling storage batteries of electric locomotives. 1,506,849; Sept. 2.
Mancha Storage Battery Locomotive Company. (See Mancha, Raymond, assignor.)
Mange, Frédéric, Paris, France. Manufacture of wooden matches. 1,506,850; Sept. 2.
Manierre, George, Milwaukee, Wis. Truck. 1,506,762; Sept. 2.
Manley, Fred B., Paterson, N. J., assignor to Textiles Development Corporation, New York, N. Y. Method and apparatus for weaving French-knot fabrics. 1,507,392; Sept. 2.
Marble, Hattie E., administratrix. (See Marble, Lewis W.)
Marble, Lewis W., deceased, Marengo, Iowa; H. E. Marble, administratrix. Vignetting attachment for cameras. 1,507,079; Sept. 2.
Marietta Manufacturing Company. (See Griffith, Harry O., assignor.)
Mariner, Joseph A., Los Angeles, Calif. Badge or similar article. Des. 65,534; Sept. 2.
Marrs, James S., and R. M. Morris, St. Louis, Mo. Leather-surface-repair composition. 1,506,983; Sept. 2.
Marshall, Ira W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Tower and other similar structure. 1,506,984; Sept. 2.
Martin, James A., Birmingham, Ala. Café system. 1,507,497; Sept. 2.
Martin, Thomas, and A. Holmquist, Hoopeston, assignors to Sprague Canning Machinery Company, Chicago, Ill. Filling machine. 1,506,851; Sept. 2.
Marvel Carburetor Company. (See Redmond, Albert G., assignor.)
Mas, George N., Lynchburg, Va. Bottle. Des. 65,535; Sept. 2.
Mathieson, Peter, Waltham, assignor to Draper Corporation, Hopedale, Mass. Combined shuttle check, binder, and bobbin guide for looms. 1,506,914; Sept. 2.
Matias, Antonio, Washington, D. C. Toilet set. 1,507,393; Sept. 2.
Matthews, William G., Brooklyn, N. Y. Oil can. 1,507,498; Sept. 2.
Mattman, Emil, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Field-coil collar. 1,506,763; Sept. 2.
Mattson, Anton, Minneapolis, and F. L. Doud, St. Paul, Minn. Headlight control for automobiles. 1,507,241; Sept. 2.
May, David T., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for and method of recording the temperature and humidity of the atmosphere. 1,506,764; Sept. 2.
May, Henry E., and R. W. Sellman, Detroit, Mich. Cutout. 1,507,193; Sept. 2.
Maytag Company, The. (See Snyder, Howard F., assignor.)
McBee Binder Company, The. (See McBee, Charles F., assignor.)
McBee, Charles F., assignor to The McBee Binder Company, Athens, Ohio. Index book for filing systems. 1,507,025; Sept. 2.
McCann, George M. (See Stambaugh, H. J., and McCann.)
McCartney, William A., Texarkana, Tex. Indicator holder. 1,507,507; Sept. 2.
McClure, Benjamin C., Hartsdale, N. Y., assignor to Johns-Manville Incorporated. Piston packing. 1,506,855; Sept. 2.
McClure, Ralph R., assignor of one-third to D. J. Nee, San Francisco, Calif. Electrically-operated oil cup. 1,506,938; Sept. 2.
McCluskey, Thomas J., Gloucester, N. J. Bearing. 1,506,856; Sept. 2.
McConnell, Henry K., Richmond, Va., assignor to Tobacco-By-Products and Chemical Corporation, Louisville, Ky. Process and apparatus for producing free nicotine from its salts. 1,507,135; Sept. 2.
McConway & Torley Company, The. (See Milliken, I. H., and Regan, assignors.)
McCormick & Co. (See McCormick, Hugh P., assignor.)
McCormick, Hugh P., assignor to McCormick & Co., Incorporated, Baltimore, Md. Puffer package for insect powder. 1,507,399; Sept. 2.
McCranie, Shafter M., Hartford, Ala., assignor of one-half to J. W. Hause, Tampa, Fla. Cushion wheel. 1,507,400; Sept. 2.
McCullough, Frederick S., Wilkinsburg, Pa. Diffusion pump. 1,506,765; Sept. 2.
McDiarmid, Thomas B. (See Shirlow, A. E., and McDiarmid.)
McDobbins, Emerson. (See Chadwick, John N., assignor.)
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Husk for lighting fixtures. Des. 65,536; Sept. 2.

McKenzie, Robert F., assignor of one-fourth to G. G. Wilson, Scottsville, Ky. Rim lock. 1,507,508; Sept. 2.
McLeod, John D., Oakmont, Pa. Protractor. 1,507,027; Sept. 2.
McLeod, Nelson W., assignor to Walter A. Zelnicker Supply Company, St. Louis, Mo. Device for guiding expansible packing rings onto pistons. 1,506,767; Sept. 2.
McKoun, George O., Elwood, Nebr. Harness-repair device. 1,507,026; Sept. 2.
McShaffrey, Thomas E., and C. F. Gilbride, Akron, Ohio. Antiskid device. 1,506,857; Sept. 2.
Megrdichian, Moosh, Fresno, Calif. Driving rein. 1,507,080; Sept. 2.
Meidenbauer, William, Waukesha, Wis. Lug. 1,507,499; Sept. 2.
Meinersmann, William, Elizabeth, N. J. Method and apparatus for obtaining samples. 1,507,394; Sept. 2.
Melind, Louis, Company. (See Melind, Louis J., assignor.)
Melind, Louis J., assignor to Louis Melind Company, Chicago, Ill. Rubber-stamp construction. 1,506,985; Sept. 2.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling machinery. 1,507,244; Sept. 2.
Meriam, Joseph B., Cleveland, Ohio. Device for weighing the load on vehicle wheels. 1,507,242; Sept. 2.
Merrill, Frank W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for controlling the speed of dynamo-electric machinery. 1,506,765; Sept. 2.
Mershon, Ralph D., New York, N. Y. Protecting condenser parts against corrosion. 1,507,395; Sept. 2.
Metz, Silas W., Connellsville, Pa. Toothbrush. 1,507,500; Sept. 2.
Meurer Steel Barrel Company. (See Blair, Robert S., assignor.)
Meyer, Ferd H., Oakland, Calif. Street sweeper. 1,507,243; Sept. 2.
Meyers, Gustav A., and F. J. Duhrsen, Hukalau, Hawaii. Cultivator. 1,506,818; Sept. 2.
Michell, Anthony G. M., Melbourne, Victoria, Australia, assignor to Michell Bearings Limited, Westminster, England. Film-lubricated bearing. 1,507,020; Sept. 2.
Michell Bearings Limited. (See Michell, Anthony G. M., assignor.)
Miessner, Benjamin F., New York, N. Y., assignor, by mesne assignments, to The Magnavox Company, San Francisco, Calif. Telephone transmitter. 1,507,081; Sept. 2.
Migdalowitz, Moses, assignor of one-third to N. Singer and one-third to P. Rosen, Rochester, N. Y. Double pocket and means for locking same. 1,507,396; Sept. 2.
Miles, George F. (See Evans, Sanford, assignor.)
Miller, George W., Waynesville, N. C. Saw clamp. 1,507,501; Sept. 2.
Miller, James M., assignor of one-half to T. Moore, Washington, D. C. Blade. 1,506,937; Sept. 2.
Miller, John E., Forman, N. Dak. Spring wheel. 1,506,986; Sept. 2.
Miller, John H., Oak Park, Ill. Rheostat. 1,507,021; Sept. 2.
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Web-holder mechanism for knitting machines. 1,507,022; Sept. 2.
Miller, Robert P., Los Angeles, Calif. Building construction. 1,506,987; Sept. 2.
Miller, Sommerfield E., Chicago, Ill. Vanity case. 1,507,082; Sept. 2.
Miller, William A., Monaca, Pa. Fuse. 1,507,194. Sept. 2.
Milliken, Isaac H., Aspinwall, and W. J. Regan, assignors to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. 1,507,244; Sept. 2.
Milne, Winford G., assignor to The N. Slater Company Limited, Hamilton, Ontario, Canada. Hanger for trolley wires and the like. 1,507,023; Sept. 2.
Milton, Charles A., Kokomo, Ind. Heating system for incubators. 1,507,321; Sept. 2.
Minnier, Blythe J. (See Bickel, H. F., and Minnier.)
Minor, William L. (See Priess, Louis A., assignor.)
Minthorn, Wallace, Millersburg, Mich. Locking differential for automobiles. 1,506,915; Sept. 2.
Mirfield, George E., Youngstown, Ohio. Method and apparatus for rounding. 1,506,988; Sept. 2.
Mitchell, Fred K., Chicago, Ill. Display stand. Des. 65,537; Sept. 2.
Möbius, Fritz, Gross-Kolzig, Germany, assignor to C. F. R. Giesler, London, England. Machine for the production of horsehair threads. 1,507,502; Sept. 2.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Ruffling sewing machine. 1,506,916; Sept. 2.
Moldenke, Richard, Watchung, N. J. Smelting or fusing metallic substances. 1,507,897; Sept. 2.
Mollart, Lobegott, Watertown, Wis. Stock-cutting machine. 1,507,503; Sept. 2.
Monahan, Robert H. (See Auger, Joseph T., assignor.)
Monfils, Alma, Chicago, Ill. Comb holder. Des. 65,538; Sept. 2.
Monson, Carlton L., Denver, Colo. Artificial tooth. 1,507,024; Sept. 2.
Moore, Daniel L. (See Hancock, Charles E., assignor.)
Moore, John W., Charleston, W. Va. Illuminated emblem. 1,507,195; Sept. 2.
Moore, Tom. (See Miller, James M., assignor.)
Morgan, Waltman M., Kansas City, assignor of two-thirds to A. Peterson, Independence, Mo. Direction-control mechanism for aeroplanes. 1,507,504; Sept. 2.
Morgan, William H., Alliance, Ohio. Metal wheel. 1,507,083; Sept. 2.
Morisseau, Jacques H., Paris, France. Nozzle for spraying liquids with adjustable scattering effect. 1,507,084; Sept. 2.
Morris, Robert M. (See Marrs, J. S., and Morris.)
Morris, Walter, Dulwich Hill, near Sydney, New South Wales, assignor to C. W. Elliott Limited, St. Peters, near Sydney, Australia. Hinge for vehicle doors. 1,507,322; Sept. 2.
Morrison, Montford, New York, N. Y. High-resistance conductor and making the same. 1,506,852; Sept. 2.
Morton Salt Company, The. (See Redd, William R., assignor.)
Moss, Norman R., Pittsburgh, Pa. Baking oven. 1,506,853; Sept. 2.
Moulton, Harley C., Dorchester, assignor, by mesne assignments, to Arbetter Felling Machine Co., Boston, Mass. Blindstitch Felling Machine. 1,506,854; Sept. 2.
Mouron, Robert A., and S. M., assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Refrigerator. 1,507,398; Sept. 2.
Mouron, Samuel M. (See Mouron, Robert A. and S. M.)
Mowers, Osmyn, Houston, assignor of one-half to The Gulberson Corporation, Dallas, Tex. Pump. 1,507,134; Sept. 2.
Müller, Wolf J. (See Carstens, H., Engelhardt, and Müller.)
Mulloy, William H., St. Louis, Mo. Safety fender for automobiles. 1,506,989; Sept. 2.
Multaler, William, Chicago, Ill. Printing-press guide. 1,506,990; Sept. 2.
Munn, Orson D., Southampton, N. Y. Amusement apparatus. 1,507,506; Sept. 2.
Murphy, Albert E., Swanbourne, near Perth, Western Australia, Australia. Self-propelled traveling irrigator. 1,507,506; Sept. 2.
Murphy Iron Works. (See Harrison, Frank Y., assignor.)
Murray, John D., San Francisco, Calif. Paint gun. 1,507,196; Sept. 2.
Murray, Richard A. (See Hooper, L. H., and Murray.)
Naden, Clifford, Boise, Idaho. Drawer-operating mechanism. 1,507,295; Sept. 2.
Nankivell, Frank J., New York, N. Y. Portable power saw. 1,507,245; Sept. 2.
Nash, Fred S., Cincinnati, Ohio, W. H. Harris, Indianapolis, Ind., and C. P. Schwarz, Cincinnati, Ohio; said Nash and said Schwarz assignors to said Harris. Valve construction for internal-combustion engines. 1,506,991; Sept. 2.
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Malleable and Steel Castings Company. (See Razeley, Arthur J., assignor.)
National Malleable and Steel Castings Company. (See Brockelsby, Ralph A., assignor.)
National Match Company. (See Vaughan, Bernard G., assignor.)
National Stamping & Electric Works. (See Kohlhase, Frank L., assignor.)
Naylor, John R., and A. Clark, Akron, Ohio. Came. 1,507,246; Sept. 2.
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,506,768; Sept. 2.
Neal, Albert, Kokomo, Ind. Wrench. 1,507,197; Sept. 2.
Nee, Dan J. (See McClure, Ralph R., assignor.)
Nellis, Charles P., assignor to The Inland Manufacturing Company, Dayton, Ohio. Coiling machine. 1,507,323; Sept. 2.
Nelson, George, assignor to J. Saltzman, Chicago, Ill. Control detent. 1,507,247; Sept. 2.
Nelson, Nels A., Minneapolis, Minn. Lawn-mower-sharpening device. 1,507,248; Sept. 2.
Nestle's Food Company. (See Garrett, Richard M., assignor.)
Nevatt, Charles, Glasgow, Scotland. Window-blind fitting. 1,507,324; Sept. 2.
Newell, George T., jr., Beverly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Thermostat. 1,506,769; Sept. 2.
Newman, August D., Cangai, New South Wales, Australia. Game apparatus. 1,507,296; Sept. 2.
Newman, John W., Hendersonville, N. C. Making ornamental masonry articles. 1,507,085; Sept. 2.
New Process Multi-Castings Company. (See Wood, John R., assignor.)
New York Air Brake Company, The. (See Bickel, H. F., and Minnier, assignors.)
Ney, Edward, New York, N. Y. Coffee urn. 1,507,414; Sept. 2.
Nicholas Power Company. (See Ehlemann, Theodore F., assignor.)
Nicoll, Robert I. D., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,507,136; Sept. 2.
Nielsen, Niels J., Aarhus, Denmark. Closing the filling aperture of hermetical boxes. 1,507,198; Sept. 2.

Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nimschke, Louis W., Old Bridge, N. J. Shoe-tread protector. 1,506,917; Sept. 2.
Nishikawa, Kikei, Tokyo, Japan. Manufacturing carbon filament for incandescent lamp. 1,507,509; Sept. 2.
Noe, William R., & Sons. (See Roettges, Frederick, assignor.)
North, George H., La Crosse, Kans. Shim-cutting press. 1,507,510; Sept. 2.
North, Paul, Lakewood, Ohio. Target trap. 1,506,992; Sept. 2.
Nottage, Stanley G., Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-modifying system. 1,506,770; Sept. 2.
Nuttall, R. D., Company. (See Keim, Lester H., assignor.)
Okamoto, Tomotaro, Fort Lupton, Colo. Adjustable ditcher for cultivators. 1,506,993; Sept. 2.
Oldbury Electro-Chemical Company. (See Wallace, Walter, assignor.)
O'Leary, William J., Montreal, Canada. Locomotive toy and the like. 1,506,771; Sept. 2.
Oliver, Herbert R., Baltimore, Md. Hose Supporter. 1,507,415; Sept. 2.
Oneida Sani-Seat Company. (See Camelo, N., and Dombrowski, assignors.)
Onepiece Bifocal Lens Company. (See Bughee, Lucian W., assignor.)
Optische Anstalt C. P. Goertz Aktiengesellschaft. (See Kubelitz, Wilhelm, assignor.)
Ormsbee, Willard A., assignor to Taunton Pearl Works, Incorporated, Taunton, Mass. Separable cuff button. 1,507,249; Sept. 2.
Orpen, Fred rick, Toronto, Ontario, Canada. Electric-lamp socket. 1,507,086; Sept. 2.
Orr, William V., Cleveland, Ohio. Washing machine. 1,507,416; Sept. 2.
Orr, William V., Cleveland, Ohio. Suction cleaner. 1,507,417; Sept. 2.
Orr, William V., Cleveland, Ohio. Suction cleaner. 1,506,858; Sept. 2.
Osborne, Kate, Bridgwater, England. Holder or grip for holding tins, boxes, or the like. 1,507,418; Sept. 2.
Osgood, Louis A., assignor to International Scale Company, Dayton, Ohio. Scale. 1,507,419; Sept. 2.
Ostermann, Harry G. (See Cooling, C. L., and Ostermann.)
Ostwald, William, assignor to Unique Lamp & Casting Co., Chicago, Ill. Electric-fixture wall plate. Des. 65,539; Sept. 2.
Otis, Norton P., San Francisco, Calif. Mechanical toy. 1,507,199; Sept. 2.
Ott, William E., Baltimore, Md. Figure wheeled toy. 1,507,200; Sept. 2.
Overlin, William S., Portland, Oreg. Compass. 1,507,250; Sept. 2.
Owen, Malcolm, London, England. Printing cylinder. 1,506,839; Sept. 2.
P. and S. Electric Heating Company. (See Cheatham, Lovcrd R., assignor.)
Pack, Charles, Elmhurst, N. Y., assignor to Doehler Die-Casting Co. Die-casting metal. 1,506,772; Sept. 2.
Packard Motor Car Co. (See Petrosky, John H., assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Page, Paul E., Montreal, Quebec, Canada. Wrench. 1,506,860; Sept. 2.
Pagé, Victor W., New York, N. Y. Latch for seat and body construction for motor vehicles. 1,507,356; Sept. 2.
Palmatier, Eulis J., Denver, Colo., assignor to International Toy Manufacturing Company, Seattle, Wash. Toy. 1,506,994; Sept. 2.
Palmer, J. D. (See Johnson, William G., assignor.)
Palmer, Richard J. (See Jones, Eugene A., assignor.)
Palmeri, Sullivan, Plantsville, Conn. Spark plug. 1,506,861; Sept. 2.
Pankonin, William G., Chicago, Ill. Counter. 1,506,939; Sept. 2.
Pappas, James H., assignor of one-half to J. Boyajian, San Francisco, Calif. Amusement apparatus. 1,506,940; Sept. 2.
Parker, Francis D., Hillsboro, Wis. Spring. 1,507,511; Sept. 2.
Parker, George D., Riverside, Calif. Double-box-making machine. 1,506,941; Sept. 2.
Parmley, Walter C., Upper Montclair, and C. Gilman, Plainfield, N. J. Expansible-joint construction. 1,507,420; Sept. 2.
Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Governor for fluid-actuated rotary tools. 1,506,862; Sept. 2.
Patten, John, assignor to The Davison Chemical Company, Baltimore, Md. Acid distributor. 1,507,201; Sept. 2.
Paul, William, Beecher, Ill. Air shotgun. 1,506,995; Sept. 2.
Payne, William W. (See Corkran, C. C., Payne, Deutsch, and Lentz.)
Peale, Rembrandt. (See Peale, Richard, assignor.)
Peale, Richard, assignor to R. Peale, St. Benedict, Pa. Mining machine. 1,507,421; Sept. 2.
Peaslee, Brigham and Gennert. (See Gross, Paul, assignor.)
Perkins, Edwin A., Jamaica, N. Y. Spindle. 1,507,137; Sept. 2.
Perrett, John, New York, N. Y. Toy walker. 1,507,512; Sept. 2.
Perrin, Alphonse R., Westbrook, Me. Warper for beam dyeing. 1,507,251; Sept. 2.
Perrin, Edouard, Paris, France. Helicopter with variable-pitch propeller. 1,507,513; Sept. 2.
Peterson, Alfred. (See Morgan, Waitman M., assignor.)
Petricek, Joseph, Chicago, Ill. Nailing device. 1,507,422; Sept. 2.
Petrosky, John H., assignor to Packard Motor Car Co., Detroit, Mich. Connecting rod. 1,507,514; Sept. 2.
Pettit, John H., and J. J. Fitzpatrick, Vienna, W. Va. Flowerpot. 1,507,202; Sept. 2.
Pfrunder, Xaver, assignor to Walser Manufacturing Company, Clifton, N. J. Braiding machine. Re15,909; Sept. 2.
Picker, Paul F., Kenosha, Wis. Fuse box. 1,506,996; Sept. 2.
Piel, Paul M., New York, N. Y. Transposition keyboard. 1,507,423; Sept. 2.
Pierce, Leon, New York, N. Y. Pipe union. 1,507,138; Sept. 2.
Pike, Robert D., San Francisco, Calif. Roasting furnace. 1,506,942; Sept. 2.
Pike, Sumner T., Dallas, Tex. Faucet. 1,507,139; Sept. 2.
Pitt, William P., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Cover board and making same. 1,506,997; Sept. 2.
Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)
Pittsburgh Steel Company. (See Reed, W. E., and Benedict, assignors.)
Plimpton, Bentley A., Victor, N. Y. Suspension insulator. 1,506,863; Sept. 2.
Polinkowsky, Lipa, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,506,864; Sept. 2.
Potter, Joseph A., Staunton, Va. Cement-block mold. 1,507,515; Sept. 2.
Potter, Rose M., Lakeland, Fla. Hair drier. 1,507,028; Sept. 2.
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Prest-O-Lite Company, Inc. (See Gossling, Walter E., assignor.)
Priess, Louis A., assignor to W. L. Minor, Minneapolis, Minn. Smoker's appliance. 1,507,297; Sept. 2.
Pritchard, Carl B., Scottdale, Pa. Combination hand or tube corrugating and flanging machine. 1,507, Sept. 2.
Prittie, Robert W., Toronto, Ontario, Canada. Vermin exterminator. 1,507,029; Sept. 2.
Provost, Winfield, et al. (See Smith, John F. G., assignor.)
Pugh, Russell D., Eureka, Kans. Shock loader. 1,507,298; Sept. 2.
Pugh, Russell D., Eureka, Kans. Self feeder. 1,507,299; Sept. 2.
Quass, Ralph L. (See Conway, R. D., and Quass.)
Quinn, Edward F. (See Somers, C. J., Tibbitts, and Quinn.)
Radio Telephone & Telegraph Company. (See De Forest, Lee, assignor.)
Rankin, William C., assignor of one-half to J. Bird, Hamilton, New Zealand. Fastener for casement windows and such like. 1,507,087; Sept. 2.
Read, Charles, New York, N. Y. Handle for faucets and means for attaching. 1,506,773; Sept. 2.
Redd, William R., Oak Park, assignor to The Morton Salt Company, Chicago, Ill. Carton-capping mechanism. 1,507,030; Sept. 2.
Redding, Anderson, assignor of one-half to J. T. Bray, Juliette, Ga. Headlight. 1,507,203; Sept. 2.
Redmond, Albert G., Indianapolis, Ind., assignor to Marvel Carburetor Company, Flint, Mich. Valve control for carburetors. 1,507,088; Sept. 2.
Redrup, William D., assignor to The Majestic Company, Huntington, Ind. Coal chute. 1,506,774; Sept. 2.
Reed, Forrest C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Volume-regulator gauge. 1,506,943; Sept. 2.
Reed, William E., Pittsburgh, and E. L. Benedict, Sewickley, assignors to Pittsburgh Steel Company, Pittsburg, Pa. Electric welding machine. 1,507,425; Sept. 2.
Regan, William J. (See Milliken, I. H., and Regan.)
Reichmann, Willy, Hamburg, Germany. Device for grinding and polishing razor blades. 1,506,998; Sept. 2.
Reid, James H., Readsboro, Vt., assignor to International Nitrogen Company, Cleveland, Ohio. Preparing material for and producing therefrom nitrified material. 1,506,999; Sept. 2.
Rekettye, Paul. (See Singer, J., and Rekettye.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Replogle, James B., Detroit, Mich., assignor to Delco-Light Company, Dayton, Ohio. Electricity generating and storage system. 1,507,300; Sept. 2.

Restivo, Giacomo. (See Di Paola, S., and Restivo.)
Reynolds, Charles B., Whittier, Calif. Self-setting slip for rotary tables. 1,507,325; Sept. 2.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,507,140; Sept. 2.
Reynolds, Marvin C., Oak Park, Ill. Margarine and making same. 1,507,426; Sept. 2.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,123; Sept. 2.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing mechanism for looms. 1,507,124; Sept. 2.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,125; Sept. 2.
Rich, Charles C., assignor of one-twentieth to C. Wintermeyer, Mount Vernon, N. Y. Battery plate. 1,506,944; Sept. 2.
Richardson, Holden C., Philadelphia, Pa. Sanitary plastic-food server. 1,507,516; Sept. 2.
Roberts, John G., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone exchange. 1,507,000; Sept. 2.
Robertson, John F., deceased, Bellevue, Pa.; N. E. Robertson, administratrix. Valve. 1,507,001; Sept. 2.
Robertson, Nellie E., administratrix. (See Robertson, John F.)
Robinson, Earl W., Minneapolis, Minn. Scaffold hoist. 1,506,865; Sept. 2.
Robles, Rafael M., Manila, P. I. Calipers. 1,507,517; Sept. 2.
Roche, George E. (See Willoughby, A. H., and Roche.)
Rochester Lock Corporation. (See Townley, William R., assignor.)
Roe, Lester C., Bayside, N. Y. Heater. 1,506,775; Sept. 2.
Roeder, Herbert C., Cleveland, Ohio, assignor to American Radiator Company, Chicago, Ill. Fabric-cleaning apparatus. 1,507,002; Sept. 2.
Roettges, Frederick, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y. Lamp. Des. 65,540; Sept. 2.
Rose, Charles B., East Moline, Ill. Clutch mechanism. 1,507,518; Sept. 2.
Rosen, Philip, et al. (See Migdalowitz, Moses, assignor.)
Rosenbaum, Bruno, Berlin, Germany. Intermediate connection and switching device for heating devices. 1,506,776; Sept. 2.
Rosenstein, Ludwig, San Francisco, Calif. Producing alkali-metal xanthates. 1,507,089; Sept. 2.
Rossiter, Frederick R., Dayton, assignor of one-half to H. H. Goldman, Middletown, Ohio. Furniture and cabinet panel. 1,507,427; Sept. 2.
Rottel, Herman W., Milwaukee, Wis. Ice machine of the compression type. 1,507,428; Sept. 2.
Routin, Joseph L., et al. (See Schneider, Eugène, assignor.)
Roux, Max, Berlin-Friedenau, Germany. Fluid compass. 1,506,866; Sept. 2.
Rowe, Andrew R., Portsmouth, Ohio. Apparatus and method for casting metal products. 1,507,429; Sept. 2.
Rud, Lars J., Herning, Denmark. Dental plate. 1,507,519; Sept. 2.
Ruehman, Henry, Los Angeles, Calif. High-compression two-cycle engine. 1,507,090; Sept. 2.
Runser, Fredrick J., assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Plug. 1,507,091; Sept. 2.
Rusdell, William J., Wolverhampton, England. Pump for liquids. 1,507,520; Sept. 2.
Russell, Leslie A. (See Holcomb, A. E., and Russell.)
Russell, Matthew, Greenock, Scotland. Revivifying Filters. 1,507,521; Sept. 2.
Ruthven, Alfred L., Rochester, N. Y. Simplex train control. 1,507,430; Sept. 2.
Ruthven, Alfred L., Rochester, N. Y. Simplex train control. 1,507,431; Sept. 2.
Ruthven, Alfred L., Rochester, N. Y. Simplex train control. 1,507,432; Sept. 2.
Rychards, Joseph A., New York, N. Y. Golf-practice apparatus. 1,507,092; Sept. 2.
Safety First Devices Company, The. (See Earnheart, Lucien T., assignor.)
Saklad, William, Dorchester, Mass. Shoe and arch supporter. 1,506,945; Sept. 2.
Sakowicz, John G., South Deerfield, Mass. Center indicator. 1,507,205; Sept. 2.
Saltzman, Joseph. (See Nelson, George, assignor.)
Sanchez-Besa, Jose L. (See Toussaint, A., and Bertrand, assignors.)
Sanders, John W., Lorain, Ohio. Pedal pin. 1,507,206; Sept. 2.
Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet or similar article. Des. 65,541; Sept. 2.
Savard, Francois N., Avon, Mass. Heater for box toes. 1,507,207; Sept. 2.
Sargent & Company. (See Guildener, Frank, assignor.)
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Section insulator. 1,506,777; Sept. 2.
Schaefer, Peter C., Denver, Colo. Device for stretching the roof of a tent. 1,507,003; Sept. 2.
Schaeffer, John. (See Erdman, T. J., and Schaeffer.)
Schaffert, Adolf H., Rochester, N. Y., assignor to Yawman & Erbe Manufacturing Co. File holder. 1,507,433; Sept. 2.
Scheidegger, Ernst, Detroit, Mich. Evacuator. 1,507,141; Sept. 2.
Schieber, Harold L., Caspian, Mich. Pressure gauge. 1,507,031; Sept. 2.
Schiele, Anthony. (See Wallace, Frank, assignor.)
Schilling, August. San Francisco, Calif. Recovery of salt. 1,506,946; Sept. 2.
Schioniger, Knud F., Chicago, Ill. Folding can opener. 1,507,093; Sept. 2.
Schlenker, Oscar C., Plainfield, Ind. Tire remover. 1,507,208; Sept. 2.
Schmidt, William J., Sunnyvale, Calif. Egg scale. 1,507,326; Sept. 2.
Schmitz, Fred A., assignor to The General Fireproofing Company, Youngstown, Ohio. Fabricating fire-resisting safes. 1,507,032; Sept. 2.
Schneider & Cie., et al. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., and J. L. Routin, Paris, France. Apparatus for controlling firing on board warships. 1,507,209; Sept. 2.
Schneider, Julius, Fort Wayne, Ind. Aeroplane. 1,506,867; Sept. 2.
Schoenborn, John, Chicago, Ill. Extension bracket. 1,507,094; Sept. 2.
Schoenfeld, Joseph, San Francisco, Calif. Electric heater. 1,507,142; Sept. 2.
Schollmeyer, Gustav, assignor to the Firm: Chemische Fabrik Cöthen, Inhaber Emil Musche, Cothen, Anhalt, Germany. Insecticide. 1,507,434; Sept. 2.
Schrader, Everett. (See Slomar, J., and Schrader.)
Schraedly, David E., Mansfield, Ohio. Hanger. 1,507,252; Sept. 2.
Schreishuhn, Theodore A., Canton, Ohio. Ice kerfing or scoring machine. 1,507,004; Sept. 2.
Schroeder, Otto F., Santa Ana, Calif. Tire alarm. 1,506,947; Sept. 2.
Schultz, Clayton E. (See Dichwolf, M. G., and Schultz.)
Schuster, Ernst, Berlin, Germany. Calculating machine. 1,507,253; Sept. 2.
Schwarz, Constantine P. (See Nash, F. S., Harris, and Schwarz.)
Scott, Leonard L. (See Kessel, F. F., and Scott.)
Scovill Manufacturing Company. (See Bagg, Hollis B., assignor.)
Searcy, Aaron T., Chicago, Ill. Liquid leather cleaner. 1,507,033; Sept. 2.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Auxiliary spindle and head for radial drills. 1,507,254; Sept. 2.
Secretary of War of the United States of America, trustee. (See Walker, Thatcher W., assignor.)
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose ethers. 1,507,210; Sept. 2.
Segar Studios Inc., The. (See Jaegers, Albert, assignor.)
Segur, Harvey, assignor to Tite-Pack Filler Co., Chicago, Ill. Cell-case machine. 1,507,435; Sept. 2.
Sellman, Robert W. (See May, H. E., and Sellman.)
Senn, George, Green Bay, Wis. Steel finger device for use with bowling balls. 1,506,778; Sept. 2.
Sensibar, Jacob R., Chicago, Ill. Building dykes. 1,507,255; Sept. 2.
Service Bag Co. (See Bunker, J. W., and Boney, assignors.)
Severe, James E., Brooklyn, N. Y. Game. 1,507,256; Sept. 2.
Sewickley Electric Manufacturing Company. (See Freeble, Benjamin F., assignor.)
Seymour, Ralph C., Short Hills, N. J. Printing press. 1,507,436; Sept. 2.
Shapera, Morris L., Muncie, Ind. Cloth-piling machine, track and wheel mounting. 1,506,779; Sept. 2.
Sharp, Charles S., Boonton, N. J. Baker's oven. 1,507,257; Sept. 2.
Shaw, David E. and H. N., Milwaukee, Wis.; said David E. Shaw assignor to said H. N. Shaw. Electric heater. 1,507,005; Sept. 2.
Shaw, Harold N. (See Shaw, David E. and H. N.)
Sheeley, George W., Frederick, Md. Valve for air tubes. 1,507,437; Sept. 2.
Shellman, Abrahum J., Grand Rapids, Mich. Optical trial case. Des. 65,542; Sept. 2.
Sherman, Stanley B., Racine, Wis. Conveyer chain. 1,506,780; Sept. 2.
Shields, Benjamin F., C. G. Cromble, and G. A. Windell, Seattle, Wash. Spring brake. 1,507,034; Sept. 2.
Shiley, Elmer C., assignor of one-half to J. R. Williams, Frackville, Pa. Roller bearing. 1,507,211; Sept. 2.
Shimp, Frederick A., assignor to Skillkrafters Incorporated, Philadelphia, Pa. Ring. Des. 65,543; Sept. 2.
Shirlow, Albert E., Glenhuntly, near Melbourne, and T. B. McDiarmid, Melbourne, Australia. Winding of cinematograph films and the like. 1,507,258; Sept. 2.
Shrader, James E., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Variable leaky condenser. 1,506,781; Sept. 2.
Siegel, Maude, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. Des. 65,550; Sept. 2.
Siegel, Maude, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. Des. 65,551; Sept. 2.

Siegerist, Walter, assignor to Heine Boiler Company, St. Louis, Mo. Tool for installing boiler handhole caps. 1,506,948; Sept. 2.

Signal Gesellschaft m. b. H. (See Hahnemann, W., and Hecht, assignors.)

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Means for mounting disks. 1,506,782; Sept. 2.

Simmons, Frank L., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Magnetic chuck. 1,507,006; Sept. 2.

Simon, Franklin, & Co. (See Siegel, Maude, assignor.)

Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)

Silberstein, Ludwik, assignor to Eastman Kodak Company, Rochester, N. Y. Lens. 1,507,212; Sept. 2.

Silverman, Reuben. (See Goldman, Gustav, assignor.)

Simon, Rose C., New York, N. Y. Colander. 1,507,522; Sept. 2, 1924.

Singer, James, and P. Rekettye, East Akron, Ohio. Padlock. 1,507,213; Sept. 2.

Singer, Nathan, et al. (See Migdalowitz, Moses, assignor.)

Skillkrafters Incorporated. (See Shimp, Frederick A., assignor.)

Slater, N., Company, Limited, The. (See Milne, Winford G., assignor.)

Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)

Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Wire-forming machine. 1,507,0[illegible] Sept 2.

Slomar, John, and E. Schrader, St. Francis, Wis. Electric iron. 1,507,523; Sept. 2.

Smidth, F. L., & Company. (See Hansen, Poul, assignor.)

Smith, Clarence A., et al. (See Smith, John F. G., assignor.)

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake-band support. 1,507,438; Sept. 2.

Smith, John F. G., assignor of one-third to W. Provost, and one-third to C. A. Smith, Washington, D. C. Apparatus for making an edible food product. 1,506,949; Sept. 2.

Smith, John W., Philadelphia, Pa. Internal-combustion engine. 1,506,950; Sept. 2.

Smith, Owen P., Chicago, Ill. Starting cage for racing dogs. 1,507,439; Sept. 2.

Smith, Owen P., Chicago, Ill. Housing for conveyer cars and tracks. 1,507,440; Sept. 2.

Smith, Thomas A., assignor to George A. Hormel & Company, Austin, Minn. Meat-cutting machine. 1,507,259; Sept. 2.

Snider, Jacob A., assignor to The Unidow Pump & Manufacturing Company, Dayton, Ohio. Pump. 1,507,441; Sept. 2.

Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Water crane. 1,507,260; Sept. 2.

Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Material-elevating apparatus. 1,507,261; Sept. 2.

Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)

Snyder, George A., Fostoria, Ohio. Reducing valve. 1,507,262; Sept. 2.

Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Washing-machine tub. 1,506,783; Sept. 2.

Somers, Charles J., Jersey City, N. J., G. C. Tibbitts, Somerset, Md., and E. F. Quinn, Brooklyn, N. Y. Purification of pig iron in blast furnaces. 1,507,214; Sept. 2.

Sorlie, John M., Eau Claire, Wis. Combined cigarette, match, and carton. 1,507,263; Sept. 2.

Soukup, Wenzl, Karlsbad, Czechoslovakia. Eggbeater. 1,506,951; Sept. 2.

Spears, John A., Grove City, Pa. Pump motor. 1,507,442; Sept. 2.

Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)

Sperry, Elmer A., Brooklyn, N. Y. Submarine mine. 1,506,784; Sept. 2.

Sperry, Elmer A., Brooklyn, N. Y. Gravity bomb. 1,506,785; Sept. 2.

Spettigue, Alfred, Leominster, Mass. Lingerie clasp. 1,507,215; Sept. 2.

Spohrer, Gregory J., East Orange, N. J. Pump. 1,506,786; Sept. 2.

Sprague Canning Machinery Company. (See Martin, T., and Holmquist, assignors.)

Stackhouse, John A., Dover, assignor of one-half to J. King, East Dover, N. J. Vehicle attachment. 1,506,952; Sept. 2.

Stambaugh, Henry J., Troy, N. Y., and G. M. McCann, assignors to United States Ordnance Company, Washington, D. C. Breech mechanism. 1,507,443; Sept. 2.

Steurs, Arsène, Bourgeois-Rixensart, assignor to Verse Moulart & Compagnie, Brussels, Belgium. Reciprocating pump. 1,507,524; Sept. 2.

Stevenson, Walter M., Seattle, Wash. Safety razor. 1,507,264; Sept. 2.

Stewart, Leonard W., Cincinnati, Ohio. Door catch. 1,507,525; Sept. 2.

Stickless Fan Company. (See Lichter, Malvin, assignor.)

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,506,787; Sept. 2.

Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,126; Sept. 2.

Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,127; Sept. 2.

Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,128; Sept. 2.

Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,129; Sept. 2.

Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Guide for riveting machines. 1,506,788; Sept. 2.

Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)

Stockton, Charles P., Melrose, assignor of one-half to G. C. Thomas, Malden, Mass. Fastener. 1,507,216; Sept. 2.

Stöger, Anton. (See Wisniewski, E., and Stöger.)

Stoll, David, New York, N. Y. Sheet metal or similar article of manufacture. Des. 65,544; Sept. 2.

Stolz, L. W., Marble & Granite Works. (See Stolz, Lorenz W., assignor.)

Stolz, Lorenz W., Beaumont, assignor to L. W. Stolz Marble & Granite Works, Jefferson County, Tex. Monument. Des. 65,545; Sept. 2.

Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,507,130; Sept. 2.

Stone, Richard C., St. Louis, Mo. Vehicle dumping apparatus. 1,507,008; Sept. 2.

Straub, John, Ashley, N. Dak. Combination implement. 1,507,526; Sept. 2.

Striethmann, Herman H., assignor to Littleford Brothers, Cincinnati, Ohio. Portable tar and asphalt heater for road maintenance. 1,507,009; Sept. 2.

Strine, Archie B., Quantico, Va. Flying machine. 1,507,527; Sept. 2.

Stubbs, Robert E., Duluth, Minn. Tracklaying machine. 1,506,953; Sept. 2.

Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejector system. 1,506,868; Sept. 2.

Sullivan Machinery Company. (See Gilman, George H., assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Sundman, Lars F., Normal, Ill. Hedge trimmer. 1,507,529; Sept. 2.

Suominen, Waldemar, Worcester, Mass. Carriage runner. 1,507,528; Sept. 2.

Superior Refrigerating Company, The. (See Andrews, Frank W., assignor.)

Sutherland, Daniel M., jr., Trenton, N. J. Apparatus for drying pulp products. 1,506,789; Sept. 2.

Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Vacuum cleaner. 1,507,010; Sept. 2.

Swan, Fred, Marietta, Ohio. Solid wedge underrunner. 1,507,444; Sept. 2.

Swanson, Axel R., Chicago, Ill. Sewer valve. 1,507,445. Sept. 2.

Sweet, Henry W., and G. C. Carhart, assignors to Brown-Lipe Gear Company, Syracuse, N. Y. Gear-shifting mechanism. 1,507,217; Sept. 2.

Taft-Peirce Manufacturing Company, The. (See Simmons, Frank L., assignor.)

Taft, Sydney E., Framingham, Mass., assignor to Hemphill Company, Central Falls, R. I. Knitting mechanism. 1,506,790; Sept. 2.

Tannehill, Charles F., Girard, Kans. Bank protecting structure. 1,506,791; Sept. 2.

Tanzi, Guido, Long Island City, N. Y. Macaroni die. 1,506,869; Sept. 2.

Taunton Pearl Works. (See Ormshee, Willard A., assignor.)

Taylor, Thomas E., assignor to The Eclipse Stove Company, Mansfield, Ohio. Stove structure. 1,507,446; Sept. 2.

Taylor, William, Leicester, England. Movement-magnifying mechanism of gauges and like measuring instruments. 1,506,954; Sept. 2.

Terry, Charles W., Detroit, Mich., assignor, by mesne assignments, to Hyrate Manufacturing Company. Electrical testing instrument. 1,506,792; Sept. 2.

Texas Company, The. (See Adams, Joseph H., assignor.)

Texas Company, The. (See Corkran, C. C., Payne, Deutsch, and Lentz, assignors.)

Textiles Development Corporation. (See Manley, Fred B., assignor.)

Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic lathe. 1,507,265; Sept. 2.

Thero, Charlie, assignor to Union Special Machine Company, Chicago, Ill. Ruffling and sewing machine. 1,506,955; Sept. 2.

Thew Shovel Company, The. (See Weber, Charles A., assignor.)

Thomas, George C. (See Stockton, Charles P., assignor.)

Thompson, Arthur W., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer gasket. 1,506,793; Sept. 2.

Thompson, Frank H., assignor to Dennison Manufacturing Company, Framingham, Mass. Pinless-grip ticket. 1,506,956; Sept. 2.

Tibbitts, Gordon C. (See Somers, C. J., Tibbitts, and Quinn.)

Tite-Pack Filler Co. (See Segur, Harvey, assignor.)

Tenz, Glenn A., Cleveland, Ohio. Spring lubricator. 1,506,870; Sept. 2.

Tobacco-By-Products and Chemical Corporation. (See McConnell, Henry K., assignor.)

Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)

Toquet, Benjamin L., assignor to The Toquet Carburetor Corporation, Westport, Conn. Timer. 1,506,957; Sept. 2.

Toquet Carburetor Corporation, The. (See Toquet, Benjamin L., assignor.)

Tourtellot, Wayne L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 65,546; Sept. 2.

Toussaint, Albert, St. Cyr, and J. J. M. Bertrand, Paris, assignors of one-third to J. L. Sanchez-Besa, Sevres, Seine, France. Aircraft construction. 1,507,143; Sept. 2.

Townley, William R., Corning, assignor, by mesne assignments, to Rochester Lock Corporation, Rochester, N. Y. Automobile lock. 1,507,401; Sept. 2.

Trapnell, Robert H., Covina, Calif. Furrow-making machine. 1,507,218; Sept. 2.

Treitel, Hans, Berlin, Germany. Manufacture of hollow bricks closed on all sides. 1,507,219; Sept. 2.

Trinks, Willibald. (See Kernohan, R. B., Lockhead, and Trinks.)

Trout, Walter C., Lufkin, Tex. Crown block. 1,507,035; Sept. 2.

Tschumper, John, Carlton, Kans. Railway-crossing signal. 1,507,220; Sept. 2.

Uhlemann, Theodore F., Glen Morris, assignor to Nicholas Power Company, Inc., New York, N. Y. Lamp for projecting apparatus. 1,507,095; Sept. 2.

Underwood Typewriter Company. (See Becker, Fred, assignor.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Unidow Pump & Manufacturing Company, The. (See Snider, Jacob A., assignor.)

Union Special Machine Company. (See Moffatt, James R., assignor.)

Union Special Machine Company. (See Thero, Charlie, assignor.)

Unique Lamp & Casting Co. (See Ostwald, William, assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See Goddu, George, assignor.)

United Shoe Machinery Corporation. (See Jullan, Gideon, assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

U. S. Axle Company, The. (See Yocom, Alvin M., assignor.)

United States Ordnance Company. (See Smith, George L., assignor.)

United States Ordnance Company. (See Stambaugh, H. J., and McCann, assignors.)

Universal Automotive Corporation of Seattle. (See Cross, Sherman E., assignor.)

Vallette, Frederic F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,507,144; Sept. 2.

Van Ballegooijen, George, Zion, Ill. Liquid-fuel burner. 1,507,096; Sept. 2.

Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Directional signal lens. 1,507,402; Sept. 2.

Van Brunt Manufacturing Company. (See Erdman, T. J., and Schaeffer, assignors.)

Van Dorn, Herbert E., Chicago, Ill. Car coupler. 1,507,036; Sept. 2.

Van Dorn, Herbert E., Chicago, Ill. Car coupler. 1,507,037; Sept. 2.

Varens, Angel, Hollo, P. I. Plow. 1,507,530; Sept. 2.

Variable Speed Gear Limited, The. (See Dreyer, John T., assignor.)

Vandell, Otto H., New Lisbon, Wis. Trap. 1,507,531; Sept. 2.

Vaughan, Bernard G., assignor to National Match Company, Joliet, Ill. Match-making machine. 1,506,958; Sept. 2.

Verse Moulart & Compagnie. (See Steurs, Arsène, assignor.)

Vester, Alfred Sons, Inc. (See McFadden, Glenn E., assignor.)

Vickers, Wallace J., Logan, Utah. Rodent trap. 1,507,532; Sept. 2.

Viking Products Corporation. (See Van Bloem, Paul S., assignor.)

Viturro, Marcellino. (See Anselmi, C., and Viturro.)

Von Halle, Millard, Palisades Park, N. J. Corset. 1,507,403; Sept. 2.

Von Soden-Fraunhofen, Graf Alfred, assignor, by mesne assignments, to Firm: Zahnradfabrik Aktiengesellschaft, Friedrichshafen a. B., Germany. High-speed tooth gear. 1,506,918; Sept. 2.

Vorel, Frank, Hanover, Mont. Figure toy. 1,507,097; Sept. 2.

Wagner, Henry A., Toledo, Ohio. Vehicle controlling mechanism. 1,506,794; Sept. 2.

Wagner, Paul A., Jersey City, N. J. Pile-cutting device. 1,507,145; Sept. 2.

Wahl Company, The. (See Wahl, John C., assignor.)

Wahl, John C., Chicago, Ill., assignor, by mesne assignments, to The Wahl Company, Wilmington, Del. Mechanical pencil. 1,506,795; Sept. 2.

Waite, Edwin E., Framingham, Mass. Machine for covering wire or other cores. 1,506,871; Sept. 2.

Walker, Ben F., and W. J. Harper, Baxter Springs, Kans. Mixing valve. 1,507,533; Sept. 2.

Walker, David D., Mayfield, Idaho. Gasoline tank for motor vehicles. 1,507,098; Sept. 2.

Walker, Thatcher W., Colville, Wash., assignor to the Secretary of War of the United States of America, trustee. Tire tool. 1,507,146; Sept. 2.

Wallace, Frank, assignor to A. Schiele, Youngstown, Ohio. Automobile jack. 1,506,959; Sept. 2.

Wallace, R., & Sons Mfg. Co. (See Wilkes, Samuel G., assignor.)

Wallace, Walter, La Salle, assignor to Oldbury Electro-Chemical Company, Niagara Falls, N. Y. Producing oxalates from formates. 1,506,872; Sept. 2.

Walser Manufacturing Company. (See Pfrunder, Xaver, assignor.)

Ward, Erwin J. (See Haste, J. H., and Ward.)

Wason, Robert M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic-frame stretcher. 1,507,534; Sept. 2.

Wason, Robert M., assignor to American Optical Company, Southbridge, Mass. Guide former. 1,507,535; Sept. 2.

Watson, Clarence W., Alliance, Ohio. Dust-cap remover. 1,507,536; Sept. 2.

Watson, William H., Wellington, Kans. Unitary screen and closure arrangement for window openings. 1,506,960; Sept. 2.

Weaver Company. (See Weaver, Victor M., assignor.)

Weaver, Victor M., Harrisburg, Pa., assignor to Weaver Company. Apparatus for producing and separating certain substances. 1,506,873; Sept. 2.

Weber, Charles A., assignor to The Thew Shovel Company, Lorain, Ohio. Engine and clutch controlling mechanism. 1,507,011; Sept. 2.

Weber, Clifford A. M., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Thrust bearing. 1,506,796; Sept. 2.

Weler, John J., Birmingham, Mich. Vehicle driving and steering mechanism. 1,507,012; Sept. 2.

Weis, Henry T., Fairmont, W. Va. Vehicle spring clip. 1,507,537; Sept. 2.

Weiss, George, Chicago, Ill. Egg-separating machine. 1,507,221; Sept. 2.

Weisse, Frank W. E., Cuero, Tex. Radiocabinet. Des. 65,547; Sept. 2.

Welch, Corwin R. (See Clayton, E. R., and Welch.)

Welch, John T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 1,507,038; Sept. 2.

Welch, John T., assignor to James Heddon's Sons, Dowagiac, Mich. Line-distributing device for reels. 1,507,404; Sept. 2.

Welsbach Company. (See Antrim, William D., assignor.)

Wessig, August, Chicago, Ill. Signal for road vehicles. 1,506,797; Sept. 2.

Wessig, August, Chicago, Ill. Signaling device. 1,506,798; Sept. 2.

Westcott, Ada K., administratrix. (See Westcott, Henry P.)

Westcott, Henry P., deceased, Erie, Pa.; A. K. Westcott, administratrix. Gauge. 1,507,538; Sept. 2.

Western Electric Company. (See Carpenter, Warren W., assignor.)

Western Electric Company. (See Conway, R. D., and Quass, assignors.)

Western Electric Company. (See Field, Frank E., assignor.)

Western Electric Company. (See Gooderham, John W., assignor.)

Western Electric Company. (See Goodrum, Charles L., assignor.)

Western Electric Company. (See Hall, John A., assignor.)

Western Electric Co. (See Henrichsen, Edward E., assignor.)

Western Electric Company. (See Lundell, Alben E., assignor.)

Western Electric Company. (See Lysons, Noel H., assignor.)

Western Electric Company. (See MacPherson, Hugh D., assignor.)

Western Electric Company. (See May, David T., assignor.)

Western Electric Company. (See Merrill, Frank W., assignor.)

Western Electric Company, Incorporated. (See Nicoll, Robert I. D., assignor.)

Western Electric Company. (See Polinkowsky, Lipa, assignor.)

Western Electric Company, Incorporated. (See Reynolds, John N., assignor.)
Western Electric Company, Inc. (See Roberts, John G., assignor.)
Western Electric Company, Incorporated. (See Vallette, Frederic F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Click, William S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Leo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrenfeld, R., and Kucher, assignors.)
Westinghouse Electric and Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Griffith, Israel L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Heilmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hoey, Samuel C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hutchison, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kempton, Willard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lammers, Edwin S., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mattman, Emil, assignor.)
Westinghouse Electric & Manufacturing Company. (See Newell, George T., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nottage, Stanley G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sebaake, William, assignor.)
Westinghouse Electric and Manufacturing Company. (See Shrader, James E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Arthur W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Weber, Clifford A. M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wiggin, Parker E., assignor.)
Westinghouse Electric Products Company. (See Greenawalt, Lewis J., assignor.)
Wheary, George H., Racine, Wis. Corner dowel. Des. 65,548; Sept. 2.
Wheeler, C. H., Manufacturing Company. (See Suczek, Robert, assignor.)
Wheeler, Harry N., Montgomery, Ala. Foot-measuring stick. 1,507,539; Sept. 2.
Whitcomb, Frank B., San Francisco, Calif. Key tag. 1,507,405; Sept. 2.
White Motor Company, The. (See Goode, Gilbert C., assignor.)
Whiting & Davis Company. (See Berkley, Richard H., assignor.)
Whittingham, George H., Baltimore, Md. Ignition system for internal-combustion engines. 1,507,266; Sept. 2.
Wickman, Axel C., Leamington Spa, England. Snap gauge. 1,507,222; Sept. 2.
Widman, Charles H., Detroit, Mich. Automobile body and manufacturing the same. 1,507,551; Sept. 2.
Wiggin, Parker E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless tuning system. 1,506,799; Sept. 2.
Wilcomb, J. Frank, Worcester, Mass., assignor, by mesne assignments, to Hemphill Company, Central Falls, R. I. Knitting mechanism. 1,506,800; Sept. 2.
Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Coffeepot or similar article. Des. 65,549; Sept. 2.
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
Willard, Theodore A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,506,874; Sept. 2.
Willcox, Jule S., Savannah, Ga. Device for melting solids. 1,507,406; Sept. 2.
Williams, Burl, Beatrice, Nebr. Clutch-pedal latch. 1,507,540; Sept. 2.
Williams, James R. (See Shiley, Elmer C., assignor.)
Williams, Percy Q., Cincinnati, Ohio. Leer Conveyer. 1,507,301; Sept. 2.
Willoughby, Alfred H., and G. E. Roche, Portland, Oreg. Battery-charging generator and safety controller. 1,507,204; Sept. 2.
Wilson, Gilbert G. (See McKenzie, Robert F., assignor.)
Wilson, Harvey O., Wilmington, Del. Scooter. 1,507,541; Sept. 2.
Windell, George A. (See Shields, B. F., Crombie, and Windell.)
Windle, Thomas E., Fort Worth, Tex. Indicator for linotype compositors. 1,507,013; Sept. 2.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel building machine. 1,507,014; Sept. 2.
Winter, John G., Waco, Tex. Sighting-drill system and device. 1,507,223; Sept. 2.
Wintermeyer, Charles. (See Rich, Charles C., assignor.)
Wireless Specialty Apparatus Company. (See Macpherson, Byron, assignor.)
Wisniewski, Edmund, New York, and A. Stöger, Long Island City, N. Y. Camera. 1,507,447; Sept. 2.
Wolters, Otto, Magdeburg, Germany. Device and element for perforating bands of type-composing machines. 1,507,542; Sept. 2.
Wood, Clarence G., Muncie, Ind. Clutch-clamping plate. 1,506,875; Sept. 2.
Wood, Frederick L., Denver, Colo. Wall directory. 1,507,099; Sept. 2.
Wood, John R., assignor to New Process Multi-Castings Company, Newark, N. J. Molding machine. 1,506,876; Sept. 2.
Woodard, William E., Forest Hills, N. Y. Steam connection for locomotives. 1,507,407; Sept. 2.
Woods, Margaret A., Somerville, Mass. Corset. 1,507,408; Sept. 2.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,507,409; Sept. 2.
Worden, Clinton C., Bridgeport, Conn. Shade roller. 1,506,801; Sept. 2.
Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Coating edges of lenses. 1,507,327; Sept. 2.
Wucherer, Franz. (See Küchepann, W., and Wucherer.)
Yawman & Erbe Manufacturing Co. (See Schaffert, Adolf H., assignor.)
Yocom, Alvin M., assignor to The U. S. Axle Company, Pottstown, Pa. Steering-wheel brake. 1,507,100; Sept. 2.
Youle, William E., Los Angeles, Calif. Underreamer. 1,507,039; Sept. 2.
Young, Jesse F., Northport, Nebr. Match box. 1,507,101; Sept. 2.
Zahnradfabrik Aktiengesellschaft. (See Von Soden-Fraunhofen, Graf Alfred, assignor.)
Zeiss, Firm of Carl. (See Erfle, Heinrich, assignor.)
Zelnicker, Walter A., Supply Company. (See McLeod, Nelson W., assignor.)
Zifferer, Lothar R., Columbia, Pa. Receptacle. 1,507,040; Sept. 2.
Zimmermann, Charles F., assignor to American Steam Conveyor Corporation, Chicago, Ill. Means for conveying steam and other fluids under pressure. 1,507,015; Sept. 2.
Zorn, Walter M., East Cleveland, Ohio. Making concentrated coffee liquids containing oils. 1,507,410; Sept. 2.
Zuber, Milton, New York, N. Y. Multiple-spool holder. 1,507,302; Sept. 2.
Zugaja, Vid, Youngstown, Ohio. Pistol. 1,507,411; Sept. 2.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid distributor. J. Patten. 1,507,201; Sept. 2.
Advertising novelty. S. Bruck. 1,507,044; Sept. 2.
Aeroplane. J. Seneider. 1,506,867; Sept. 2.
Aeroplanes, Direction-control mechanism for. W. M. Morgan. 1,507,504; Sept. 2.
Air brake. H. F. Bickel and B. J. Minnier. 1,506,808–9; Sept. 2.
Aircraft, Bearing plane for. C. Dornier. 1,506,817; Sept. 2.
Aircraft construction. A. Toussaint and J. J. M. Bertrand. 1,507,143; Sept. 2.
Alarm: *See*—
Tire alarm.
Alcohol, Process and apparatus for the continuous distillation of. J. F. Cyphers. 1,507,108; Sept. 2.
Alkali-metal xanthates, Producing. L. Rosenstein. 1,507,089; Sept. 2.
Alloy steel and making the same. C. T. Evans. 1,506,894; Sept. 2.
Amusement apparatus. O. D. Munn. 1,507,505; Sept. 2.
Amusement apparatus. J. H. Pappas. 1,506,940; Sept. 2.
Antiskid device. T. E. McShaffrey and C. F. Gilbride. 1,506,857; Sept. 2.
Arc gap installation. C. E. Bennett. 1,507,365; Sept. 2.
Article holder. B. Eachus. 1,506,923; Sept. 2.
Augmenter cooler. P. A. Bancel. 1,506,805; Sept. 2.
Auto signal. B. Blackmore. 1,507,455; Sept. 2.
Automobile body and manufacturing the same. C. H. Wildmon. 1,507,551; Sept. 2.
Automobile jack. F. Wallace. 1,506,959; Sept. 2.
Automobile lock. W. R. Townley. 1,507,401; Sept. 2.
Automobile safety fender. W. H. Mulloy. 1,506,989; Sept. 2.
Automobile signal. W. G. Johnson. 1,506,838; Sept. 2.
Automobile top or roof. J. Ledwinka. 1,506,845; Sept. 2
Automobiles, Locking differential for. W. Minthorn. 1,506,915; Sept. 2.
Badge, Advertising. S. Bruck. Des. 65,520; Sept. 2.
Badge or similar article. J. A. Mariner. Des. 65,534; Sept. 2.
Bag or envelope. J. W. Bunker and A. M. Boney. 1,507,156; Sept. 2.
Baggage receptacle. G. O. Heine. 1,507,176; Sept. 2.
Ballot-counting machine. J. S. Baker. 1,507,548; Sept. 2.
Balls, Steel finger device for use with bowling. G. Senn. 1,506,778; Sept. 2.
Bank-protecting structure. C. F. Tannehill. 1,506,791; Sept. 2.
Barges, Cargo box for. E. Hensen. 1,507,284; Sept. 2.
Barrel, Steel. R. S. Blair. 1,507,304; Sept. 2.
Battery: *See*—
Storage battery.
Battery container. A. C. Johnson. 1,506,837; Sept. 2.
Battery plate. C. C. Rich. 1,506,944; Sept. 2.
Battery separators, Preparing wooden storage. A. H. Luhrman. 1,507,076; Sept. 2.
Battery-terminal protector. W. A. Mackenzie. 1,507,320; Sept. 2.
Bearing. T. J. McCluskey. 1,506,856; Sept. 2.
Bearing, Film-lubricated. A. G. M. Michell. 1,507,020; Sept. 2.
Bearing for wind and rain shields and other devices, Friction. S. Evans. 1,507,234; Sept. 2.
Bearing, Roller. E. C. Shiley. 1,507,211; Sept. 2.
Bearing, Thrust. C. A. M. Weber. 1,506,796; Sept. 2.
Bedpan, Electrically-heated. C. L. Cooling and H. G. Ostermann. 1,507,336; Sept. 2.
Belt-tightening device. H. Kocourek. 1,507,238; Sept. 2.
Billiard tables, Ball return for pocket-. J. A. Hand. 1,507,479; Sept. 2.
Binder, Loose-leaf. H. O. and E. S. Burroughs. 1,507,045; Sept. 2.
Blade. J. M. Miller. 1,506,937; Sept. 2.
Block: *See*—
Crown block.
Board: *See*—
Signboard.
Wall board.
Boat-propelling-mechanism. O. Maki and K. Arlin. 1,506,847; Sept. 2.
Bobbin retainer. L. A. Cadoret. 1,507,459; Sept. 2.
Boiler handhole caps, Tool for installing. S. B. Clay. 1,506,886; Sept. 2.
Boiler handhole caps, Tool for installing. W. Siegerist. 1,506,948; Sept. 2.
Boll-weevil machine. A. Brigden. 1,507,457; Sept. 2.
Bolt: *See*—
Extension bolt.
Bomb, Gravity. E. A. Sperry. 1,506,785; Sept. 2.
Boot and shoe having inflated air cushion inserted in the sole and heel thereof. C. Cooney. 1,506,975; Sept. 2.
Boring machine, Earth-. J. M. Hümiston. 1,507,236; Sept. 2.
Bottle. G. N. Mas. Des. 65,535; Sept. 2.
Bottle opener. J. F. Cryer. 1,507,339; Sept. 2.
Bottle-seal-cap lifters. J. S. Dunlap. 1,507,277; Sept. 2.
Bottles, Separator for milk. H. E. Hill. 1,506,752; Sept. 2.
Box: *See*—
Cigarette and match box.
Classification box.
Display box.
Fuse box.
Knockdown box.
Match box.
Box-band tightener. W. A. Engelhard. 1,507,164; Sept. 2.
Box-making machine, Double-. G. D. Parker. 1,506,941; S pt. 2.
Box or case, Security. R. H. Duncan. 1,507,110; Sept. 2.
Box or crate, Folding. E. A. Lohrentz. 1,507,557; Sept. 2.
Box-toe heater. F. N. Savard. 1,507,207; Sept. 2.
Boxes, Closing the filling aperture of hermetical. N. J. Nielsen. 1,507,198; Sept. 2.
Bracket: *See*—
Extension bracket.
Braiding machine. X. Pfrunder. Re15,909; Sept. 2.
Brake: *See*—
Air brake.
Cornice brake.
Fluid brake.
Railway brake.
Spring brake.
Steering-wheel brake.
Brake. J. T. Auger. 1,506,965; Sept. 2.
Brake-band support. G. L. Smith. 1,507,428; Sept. 2.
Brake-beam guide. E. G. Busse. 1,506,882; Sept. 2.
Brake levers, Making. H. T. Anderson. 1,506,802; Sept. 2.
Brakes, Controlling the release of automatic air. H. F. Bickel and B. J. Minnier. 1,506,807; Sept. 2.
Braking apparatus. M. Longhead. 1,507,389–90; Sept. 2.
Bread, Manufacture of whole-grain. P. Gross. 1,506,831; Sept. 2.
Breakwater and power generator, Combined floating. R. P. Chase. 1,507,461; Sept. 2.
Breech mechanism. H. J. Stambaugh and G. M. McCann. 1,507,443; Sept. 2.
Brickkilns, Fuel-charging device for. J. Gairing. 1,506,924; Sept. 2.
Bricks closed on all sides, Manufacture of hollow-. H. Treitel. 1,507,219; Sept. 2.
Broaching machine. M. E. Infloratl, jr. 1,507,288; Sept. 2.
Brush, Expansible. H. Behrens. 1,507,150; Sept. 2.
Brush-holder spring. G. M. Eaton. 1,506,740; Sept. 2.
Building construction. R. P. Miller. 1,506,987; Sept. 2.
Building material. R. G. Bachman. 1,506,804; Sept. 2.
Bumper. G. S. Carrick. 1,507,273; Sept. 2.
Burner: *See*—
Fuel burner.
Liquid-fuel burner.
Oil burner.
Button, Collar. C. R. Haud. 1,506,902; Sept. 2.
Button machines, Grinding attachment for automatic. A. F. Keffo. 1,507,382; Sept. 2.
Button, Separable cuff. W. A. Ormsbee. 1,507,249; Sept. 2.
Café system. J. A. Martin. 1,507,497; Sept. 2.
Calculating machine. E. Schuster. 1,507,253; Sept. 2.
Calendar. J. Doyle. 1,507,345; Sept. 2.
Calipers. R. M. Robles. 1,507,517; Sept. 2.
Calling device. N. H. Lysons. 1,506,760; Sept. 2.
Came. J. R. Naylor and A. Clark. 1,507,246; Sept. 2.
Camera. E. Wisniewski and A. Stöger. 1,507,447; Sept. 2.
Cameras, Vignetting attachment for. L. W. Marble. 1,507,079; Sept. 2.
Can: *See*—
Oil can.
Can-machine-timing device. J. Coyle. 1,507,107; Sept. 2.
Can opener, Folding. K. F. Schioniger. 1,507,093; Sept. 2.
Can washer, Automatic milk-. G. S. and L. L. Bennett. 1,507,151; Sept. 2.
Cans, Machine for boxing or casing. A. H. Kyler. 1,507,387; Sept. 2.
Can with removable visor. W. J. Cormay. 1,506,815; Sept. 2.
Car and saw rig, Combination delivery. C. E. Hancock. 1,507,115; Sept. 2.

Car coupler. H. E. Van Dorn. 1,507,036–7; Sept. 2.
Car couplers. Pivot-pin support for. A. J. Bazeley. 1,507,363; Sept. 2.
Car couplers, Uncoupling mechanism for. A. J. Bazeley. 1,506,806; Sept. 2.
Car door, Grain-. C. W. Hatfield. 1,507,175; Sept. 2.
Car, Ice-handling. A. J. Jackson. 1,506,907; Sept. 2.
Car, Railway. T. Elliott. 1,506,978; Sept. 2.
Car-top dressing and preparing the same. C. K. Evans. 1,507,550; Sept. 2.
Car wheel. F. Agnichek. 1,507,267; Sept. 2.
Cars and tracks, Housing for conveyer. O. P. Smith. 1,507,440; Sept. 2.
Carriage runner. W. Suominen. 1,507,528; Sept. 2.
Carrier: *See*—
Luggage carrier. Tire carrier.
Carrier. F. F. Kessel and L. L. Scott. 1,506,841; Sept. 2.
Carton-capping mechanism. W. R. Redd. 1,507,030; Sept. 2.
Case: *See*—
Display case. Vanity case.
Key case.
Casting metal, Die-. C. Pack. 1,506,772; Sept. 2.
Casting metal products, Apparatus and method for. A. R. Rowe. 1,507,429; Sept. 2.
Cave packer. E. J. Broberg. 1,506,881; Sept. 2.
Cell-case machine. H. Segur. 1,507,435; Sept. 2.
Cellulose ethers, Making. P. C. Seel. 1,507,210; Sept. 2.
Cement-block mold. J. A. Potter. 1,507,515; Sept. 2.
Center indicator. J. G. Sakowicz. 1,507,205; Sept. 2.
Centrifugal machine. T. A. Bryson. 1,507,412–13; Sept. 2.
Chain, Conveyer. S. B. Sherman. 1,506,780; Sept. 2.
Chair seats, Manufacture of. J. M. Kane. 1,507,188; Sept. 2.
Chart. J. V. Conover. 1,507,467; Sept. 2.
Chart, Aeronautic. S. B. Ladd. 1,507,191; Sept. 2.
Chicken hover. C. W. Carol. 1,507,157; Sept. 2.
Chuck, Magnetic. F. L. Simmons. 1,507,006; Sept. 2.
Cigarette and match box, Combined. B. Barnett and W. L. MacFarland. 1,507,361; Sept. 2.
Cigarette, match, and carton, Combined. J. M. Sorlie. 1,507,263; Sept. 2.
Cinematograph films, Winding of. A. E. Shirlow and T. B. McDiarmid. 1,507,258; Sept. 2.
Cinematographic apparatus, Refrigerating means for. C. Anselmi and M. Viturro. 1,507,360; Sept. 2.
Clamp: *See*—
Hose clamp. Saw clamp.
Rope clamp.
Clasp: *See*—
Lingerie clasp.
Classification box. L. H. Hooper and R. A. Murray. 1,507,312; Sept. 2.
Cleaner: *See*—
Leather cleaner. Vacuum cleaner.
Suction cleaner.
Clip: *See*—
Pen and pencil clip. Vehicle spring clip.
Clock case, M. Katz. Des. 65,531; Sept. 2.
Closets, etc., Support for wall. W. V. Bulman. 1,507,331; Sept. 2.
Cloth-piling machine, Track and wheel mounting. M. L. Shapera. 1,506,779; Sept. 2.
Clothes wringer, Quick-release. S. Bona. 1,507,228; Sept. 2.
Clothespin and making same. W. Lauber. 1,507,072; Sept. 2.
Clutch-clamping plate. C. G. Wood. 1,506,875; Sept. 2.
Clutch, Flexible. J. Barraja-Frauenfelder. 1,507,543; Sept. 2.
Clutch, Hydraulic. R. M. Lovejoy. 1,506,846; Sept. 2.
Clutch mechanism. C. B. Rose. 1,507,518; Sept. 2.
Clutch-pedal latch. B. Williams. 1,507,540; Sept. 2.
Coal chute. W. D. Redrup. 1,506,774; Sept. 2.
Coffee, Liquids containing oils, Making concentrated. W. M. Zorn. 1,507,410; Sept. 2.
Coffeepot or similar article. S. G. Wilkes. Des. 65,549; Sept. 2.
Coffee urn. E. Ney. 1,507,414; Sept. 2.
Coil collar, Field-. E. Mattman. 1,506,763; Sept. 2.
Coiling machine. C. P. Nellis. 1,507,323; Sept. 2.
Colander. R. C. Simon. 1,507,522; Sept. 2.
Comb: *See*—
Hair-waving comb.
Comb holder. A. Moudis. Des. 65,538; Sept. 2.
Combination implement. J. Straub. 1,507,526; Sept. 2.
Commutator brush. W. S. Clek. 1,506,734; Sept. 2.
Commutator-slotting machine. W. Jannell. 1,507,381; Sept. 2.
Compass. W. S. Overlin. 1,507,250; Sept. 2.
Compass, Fluid. M. Roux. 1,506,866; Sept. 2.
Concrete fenceposts, Wire-attaching device for. W. R. C. Cook. 1,507,553; Sept. 2.
Condenser parts against corrosion, Protecting. R. D. Mershon. 1,507,395; Sept. 2.
Condenser, Variable leaky. J. E. Schrader. 1,506,781; Sept. 2.
Confections, Machine for making. F. Gigliotti. 1,507,167; Sept. 2.
Connecting rod. J. H. Patrosky. 1,507,514; Sept. 2.
Container, Compact. F. R. Johnson. 1,507,117; Sept. 2.
Containers, Dispensing device for collapsible. J. H. Clegg. 1,507,464; Sept. 2.
Control detent. G. Nelson. 1,507,247; Sept. 2.
Control system. E. S. Lammers, jr. 1,506,757; Sept. 2.
Conveyer system. L. P. Cooley. 1,506,974; Sept. 2.
Conveying apparatus. B. R. Adkins and W. Y. Lewis. 1,506,961; Sept. 2.
Cooler: *See*—
Augmenter cooler.
Copper, Treating. R. J. Cunningham and G. H. King. 1,507,340; Sept. 2.
Corn planters, Marker-shaft-driving mechanism for. C. D. Harness and C. D. Bradshaw. 1,507,480; Sept. 2.
Cornice brake. J. F. Kidder. 1,507,067; Sept. 2.
Corrugating and flanging machine, Combination band or tube. C. B. Pritchard. 1,507,424; Sept. 2.
Corset. M. Von Halle. 1,507,403; Sept. 2.
Corset. M. A. Woods. 1,507,408; Sept. 2.
Cost-accounting systems, Blank for. W. H. Chase. 1,506,814; Sept. 2.
Counter. W. G. Pankouin. 1,506,939; Sept. 2.
Coupler, Link. F. W. Henrikson. 1,507,177; Sept. 2.
Coupling: *See*—
Hose coupling.
Cover board and making same. W. P. Pitt. 1,506,997; Sept. 2.
Crane, Convertible. A. E. Holcomb and L. A. Russell. 1,506,906; Sept. 2.
Crane, Water. B. S. Snow. 1,507,260; Sept. 2.
Crown block. W. C. Trout. 1,507,035; Sept. 2.
Cultivator. G. A. Meyers and F. J. Dulirsen. 1,506,818; Sept. 2.
Cultivators, Adjustable ditcher for. T. Okamoto. 1,506,993; Sept. 2.
Cushion wheel. S. M. McCranie. 1,507,400; Sept. 2.
Cuspidor, Fountain. F. F. Jones. 1,507,185; Sept. 2.
Cut-out. H. E. May and R. W. Sellman. 1,507,193; Sept. 2.
Cutting machine, Stock-. L. Mollart. 1,507,503; Sept. 2.
Cylinder construction. C. F. Kettering and W. B. Earnshaw. 1,507,293; Sept. 2.
Decanter and stand, Combined. H. Cohen. Des. 65,521; Sept. 2.
Dehydrating fluid bodies, Method of and apparatus for. G. H. Benjamin. 1,506,732; Sept. 2.
Dental crowns, Method and apparatus for making. J. M. Flanigan. 1,507,476; Sept. 2.
Dental floss holder. C. E. Hudson. 1,507,313; Sept. 2.
Dental plate. L. J. Rud. 1,507,519; Sept. 2.
Die: *See*—
Macaroni die.
Dielectric materials, Process and apparatus for testing. B. Macpherson. 1,506,761; Sept. 2.
Digger: *See*—
Posthole digger.
Directory, Wall. F. L. Wood. 1,507,099; Sept. 2.
Disks, Means for mounting. W. H. Silver. 1,506,782; Sept. 2.
Display box, Foldable. C. Bashwiner. 1,507,148; Sept. 2.
Display case. S. Berman. 1,507,453; Sept. 2.
Display holder. D. B. Mackie. 1,507,078; Sept. 2.
Display stand. F. K. Mitchell. Des. 65,537; Sept. 2.
Doll. A. M. Eshleman. Des. 65,523; Sept. 2.
Doll or similar article. E. V. Allison. Des. 65,513; Sept. 2.
Door. S. M. Casey. 1,507,158; Sept. 2.
Door catch. L. W. Stewart. 1,507,525; Sept. 2.
Doors and for other purposes, Device for opening and closing sliding. P. R. Judge. 1,507,186; Sept. 2.
Dowel, Corner. G. H. Whieary. Des. 65,548; Sept. 2.
Draft rigging, Friction. R. A. Brockelsby. 1,506,811; Sept. 2.
Drawer-operating mechanism. C. Naden. 1,507,295; Sept. 2.
Dress. M. Siegel. Des. 65,550–1; Sept. 2.
Drilling machinery, H. H. Mercer. 1,507,294; Sept. 2.
Drills, Auxiliary spindle and head for radial. W. T. Sears. 1,507,254; Sept. 2.
Drinking glass. W. P. Graham. Des. 65,527; Sept. 2.
Driving connection, Resilient. G. M. Eaton. 1,506,739; Sept. 2.
Duplicator. A. Isaacs and R. Baldauf. 1,507,183; Sept. 2.
Dust-cap remover. C. W. Watson. 1,507,536; Sept. 2.
Dyeing, Warper for beam. A. R. Perrin. 1,507,251; Sept. 2.
Dykes, Building. J. R. Sensibar. 1,507,255; Sept. 2.
Ear attachment. A. Bonniol. 1,507,154; Sept. 2.
Easel. F. W. Knowlton. 1,507,854; Sept. 2.
Eggbeater. W. Soukup. 1,506,951; Sept. 2.
Egg crate. G. E. Loeble. 1,507,133; Sept. 2.
Egg separating machine. G. Welss. 1,507,221; Sept. 2.
Elector system. R. Suczek. 1,506,868; Sept. 2.
Electric-brush holder. D. B. Flower. 1,507,347; Sept. 2.
Electric-fixture wall plate. W. Ostwald. Des. 65,539; Sept. 2.
Electric fluid heater. L. R. Cheatham. 1,507,544; Sept. 2.
Electric generator. H. Ford. 1,507,348; Sept. 2.
Electric heater. J. W. Brown, jr. 1,506,812; Sept. 2.
Electric heater. J. Schoenfeld. 1,507,142; Sept. 2.
Electric heater. D. E. and H. N. Shaw. 1,507,005; Sept. 2.
Electric iron. J. E. S. Slomar. 1,507,523; Sept. 2.
Electric machinery, System for controlling the speed of dynamo-. F. W. Merrill. 1,506,765; Sept. 2.

Electrical-circuit controller. C. A. Hellmann. 1,506,832; Sept. 2.
Electrical measuring method and means. F. E. Field. 1,506,895; Sept. 2.
Electrical testing instrument. C. W. Terry. 1,506,792; Sept. 2.
Electricity generating and storage system. J. B. Replogle. 1,507,300; Sept. 2.
Elevating apparatus, Material-. B. S. Snow. 1,507,261; Sept. 2.
Elevator: *See*—
Pump-rod elevator.
Elevator. A. O. W. Hansen. 1,506,927; Sept. 2.
Elevator. J. Komarulsky. 1,506,843; Sept. 2.
Emblem, Illuminated. J. W. Moore. 1,507,195; Sept. 2.
Engine: *See*—
Internal-combustion engine. Two-cycle engine.
Engine and clutch controlling mechanism. C. A. Weber. 1,507,011; Sept. 2.
Engine indicator. H. D. Geyer. 1,507,555; Sept. 2.
Engines, Built-up member for paper-pulp. A. L. Bolton. 1,507,305; Sept. 2.
Engines, Commutator or rotary ignition-current distributor for internal-combustion. J. Judge. 1,507,065; Sept. 2.
Engines, Ignition system for internal-combustion. G. H. Whittingham. 1,507,266; Sept. 2.
Engines, Tappet cover for internal-combustion. S. I. Fekete. 1,507,165; Sept. 2.
Engines, Traction-increasing means for traction. H. V. Crosley. 1,507,470; Sept. 2.
Ether and of other volatile substances, Purification of. J. H. Cotton. 1,507,337; Sept. 2.
Evacuator. E. Scheidegger. 1,507,141; Sept. 2.
Exercising apparatus. J. J. Cooper. 1,507,554; Sept. 2.
Expanding gauge, Internal-. E. Buckingham. 1,507,272; Sept. 2.
Extension bolt. E. E. Kraemer. 1,507,488; Sept. 2.
Extension bracket. J. Schoenborn. 1,507,094; Sept. 2.
Fabric-cleaning apparatus. H. C. Roeder. 1,507,002; Sept. 2.
Fabrics, Method and apparatus for weaving French-knot. F. B. Manley. 1,507,392; Sept. 2.
Fabrics, Method and machine for making stiffened. L. K. Davis. 1,507,342; Sept. 2.
Farm gate. J. Kahle. 1,507,066; Sept. 2.
Fastener. O. W. Hooppaw. 1,507,377; Sept. 2.
Fastener. C. P. Stockton. 1,507,216; Sept. 2.
Faucet. S. T. Pike. 1,507,139; Sept. 2.
Faucets and means for attaching, Handle for. C. Read. 1,506,773; Sept. 2.
Feeder, Self-. R. D. Pugh. 1,507,299; Sept. 2.
Feeding apparatus. H. R. Collins. 1,506,887; Sept. 2.
Felling machine, Blindstitch. H. C. Moulton. 1,506,854; Sept. 2.
Fender: *See*—
Automobile safety fender.
Fiber cellulosic material for chemical treatment, Preparing shorts-. A. L. Broadbent. 1,507,330; Sept. 2.
File folder. A. H. Schaffert. 1,507,433; Sept. 2.
Filing device for letter files, portfolios, and the like. A. Grünewald. 1,507,547; Sept. 2.
Filing systems, Index book for. C. F. McBee. 1,507,025; Sept. 2.
Filling-end controller. P. Keegan. 1,507,131; Sept. 2.
Filling machine. T. Martin and A. Holmquist. 1,506,851; Sept. 2.
Film spools, Supporting device for. W. Kabelitz. 1,507,118; Sept. 2.
Filters, Revivifying. M. Russell. 1,507,521; Sept. 2.
Fireplace. G. F. Dray. 1,507,473; Sept. 2.
Fires, Method and apparatus for extinguishing generator. C. B. Flory and F. A. Epps. 1,507,053; Sept. 2.
Fishhook, Trap. G. H. Doering. 1,507,344; Sept. 2.
Fishing reel. J. T. Welch. 1,507,038; Sept. 2.
Flowerpot. J. H. Pettit and J. J. Fitzpatrick. 1,507,202; Sept. 2.
Fluid brake. C. E. Bradbury and A. Finke. 1,507,104; Sept. 2.
Fluids, Equalized distribution system for. B. S. Harrison. 1,506,904; Sept. 2.
Flying machine. A. B. Strine. 1,507,527; Sept. 2.
Folding machine. L. E. La Bombard and M. H. Sidebotham. 1,506,844; Sept. 2.
Food product and method of production. S. H. and B. Babajian. 1,507,328; Sept. 2.
Food product, Apparatus for making an edible. J. F. G. Smith. 1,506,949; Sept. 2.
Food products from grain, Apparatus for making. P. Gross. 1,506,830; Sept. 2.
Form, Adjustable. B. F. Cockerell and A. Comer. 1,507,046; Sept. 2.
Fuel burner. V. L. Hudson. 1,506,932; Sept. 2.
Fuel-distributing system. J. H. Hunt. 1,507,314; Sept. 2.
Fuel-mixing attachment. L. S. Gentile. 1,507,558; Sept. 2.
Fume arrester. G. H. Backmire. 1,507,270; Sept. 2.
Furnace: *See*—
Roasting furnace.
Furnace. J. M. Corson. 1,507,469; Sept. 2.
Furnace-regulator system. G. M. Little. 1,506,758; Sept. 2.
Furnaces, Air control for liquid-fuel-burning. C. A. Anderson. 1,507,450; Sept. 2.
Furnaces, Structure and operation of heating. R. B. Kernohan, J. S. Lochhead, and W. Trinks. 1,506,849; Sept. 2.
Furniture and cabinet panel. F. R. Rossiter. 1,507,427; Sept. 2.
Furrow-making machine. R. H. Trapnell. 1,507,218; Sept. 2.
Fuse. W. A. Miller. 1,507,194; Sept. 2.
Fuse box. P. F. Picker. 1,506,936; Sept. 2.
Fuse, Electromagnetic. J. W. Haywood. 1,506,748; Sept. 2.
Game. J. E. Severe. 1,507,256; Sept. 2.
Game apparatus. F. O. Degenhardt. 1,507,343; Sept. 2.
Game apparatus. A. D. Newman. 1,507,296; Sept. 2.
Game device, Educational. I. Foulks. 1,506,979; Sept. 2.
Garage and barn doors, Operating mechanism for. G. S. Graves and W. H. Howard. 1,506,925; Sept. 2.
Garment hanger. J. F. Holliday. 1,507,287; Sept. 2.
Gas, Apparatus for generating. S. Hayes. 1,507,060; Sept. 2.
Gas-control system. C. F. Kettering and W. A. Chryst. 1,507,292; Sept. 2.
Gas, Liquefying. W. M. Jewell. 1,507,289; Sept 2.
Gas producer. A. L. Galusha. 1,506,826; Sept. 2.
Gasket, Transformer. A. W. Thompson. 1,506,793; Sept. 2.
Gasoline tank for motor vehicles. D. D. Walker. 1,507,098; Sept. 2.
Gate: *See*—
Farm gate.
Gauge: *See*—
Expanding gauge. Snap gauge.
Pressure gauge. Volume-regulator gauge.
Gauge. H. P. Westcott. 1,507,538; Sept. 2.
Gauges and like measuring instruments, Movement-magnifying mechanism of. W. Taylor. 1,506,954; Sept. 2.
Gear, High-speed tooth. Graf A. von Soden-Fraunhofen. 1,506,918; Sept. 2.
Gear-shifting mechanism. H. W. Sweet and G. C. Carhart. 1,507,217; Sept. 2.
Generator: *See*—
Electric generator.
Generator and safety controller, Battery-charging. A. H. Willoughby and G. E. Roche. 1,507,204; Sept. 2.
Generators, Overload protection for. R. E. Hellmund. 1,506,750; Sept. 2.
Generators, Protective apparatus for. R. E. Hellmund. 1,506,749; Sept. 2.
Gin leg. J. Dines. 1,507,471; Sept. 2.
Glassware and apparatus therefor, Making molded. A. H. Forger. 1,507,055; Sept. 2.
Glassware, Corner-smoothing machine for. H. O. Griffith. 1,506,745; Sept. 2.
Glove closure. R. H. Binns. 1,507,153; Sept. 2.
Goblet or similar article. A. J. Sanford. Des. 65,541; Sept. 2.
Golf-practice apparatus. J. A. Rychards. 1,507,092; Sept. 2.
Governor for fluid-actuated rotary tools. F. W. Parsons. 1,506,862; Sept. 2.
Governor, Hydroelectric-unit flywheel. A. A. Horton. 1,507,356; Sept. 2.
Grader, Ditch-forming. J. D. and R. E. Adams. 1,507,552; Sept. 2.
Grain separator. W. B. Doyle. 1,507,109; Sept. 2.
Grain storage. K. Diemst. 1,507,050; Sept. 2.
Granular materials, Apparatus for indicating and recording the rate of feed of. J. E. Lea. 1,506,936; Sept. 2.
Grenade, Hand. F. Janeček. 1,507,184; Sept. 2.
Grill, Electric. F. L. Kohlhase. 1,506,909; Sept. 2.
Guide former. R. M. Wason. 1,507,535; Sept. 2.
Gun, Paint. J. D. Murray. 1,507,196; Sept. 2.
Hair crimper. V. F. Delmaé. 1,507,161; Sept. 2.
Hair-curling device. J. Krysztofiak. 1,506,935; Sept. 2.
Hair drier. R. M. Potter. 1,507,028; Sept. 2.
Hair holder. J. D. Goodrum. 1,507,168; Sept. 2.
Hair-waving comb. H. Jacobs. 1,507,380; Sept. 2.
Hanger: *See*—
Garment hanger.
Hanger. D. E. Schraedly. 1,507,252; Sept. 2.
Harness-repair device. G. O. McKoun. 1,507,026; Sept. 2.
Hayrake, Sled-runner. G. E. Evy. 1,507,051; Sept. 2.
Headlight. A. Redding. 1,507,203; Sept. 2.
Headlight control for automobiles. A. Mattson and F. L. Doud. 1,507,241; Sept. 2.
Headlight-steering mechanism. S. Di Paola and G. Restivo. 1,507,163; Sept. 2.
Headlights, Means for turning automobile. B. G. and H. Andrews. 1,507,268; Sept. 2.
Heat, Method and apparatus for recovering. C. P. Astrom. 1,506,803; Sept. 2.
Heater: *See*—
Electric heater. Electric fluid heater.
Heater. W. D. Antrim. 1,506,964; Sept. 2.
Heater. L. C. Roe. 1,506,775; Sept. 2.
Heater for road maintenance, Portable tar and asphalt. H. H. Strietmann. 1,507,009; Sept. 2.
Heaters, Work support for. M. M. Kohn. 1,507,385; Sept. 2.
Heating devices, Intermediate connection and switching device for. B. Rosenbaum. 1,506,776; Sept. 2.
Heating system, Manifold. J. H. Hunt. 1,507,315; Sept. 2.

Hedge trimmer. L. F. Sundman. 1,507,529; Sept. 2.
Heel. W. H. Doughty. 1,506,922; Sept. 2.
Heel-building machine. E. E. Winkley. 1,507,014; Sept. 2.
Heel, Detachable. W. A. Maloney. 1,506,982; Sept. 2.
Helicopter with variable-pitch propeller. E. Perrin. 1,507,513; Sept. 2.
Hide-stretching apparatus. G. Goddu. 1,506,828; Sept. 2.
High-resistance conductor and making the same. M Morrison. 1,506,852; Sept. 2.
Hoist. J. E. Jones and W. O. Gruenewald. 1,507,064; Sept. 2.
Hoist, Scaffold. E. W. Robinson. 1,506,865; Sept. 2.
Horsehair threads, Machine for the production of. F. Möbius. 1,507,502; Sept. 2.
Hose clamp. F. W. Gunn. 1,507,170; Sept. 2.
Hose coupling. C. A. Claflin. 1,507,230; Sept. 2.
Hose supporter. H. R. Oliver. 1,507,415; Sept. 2.
Hub caps for demountable wheels, Locking device for the. E. Ibach. 1,507,063; Sept. 2.
Hydraulic press. P. Hansen. 1,506,903; Sept. 2.
Hydrocarbon motor. L. M. Woolson. 1,507,409; Sept. 2.
Ice kerfing or scoring machine. T. A. Schraishuhn. 1,507,004; Sept. 2.
Ice machine of the compression type. H. W. Rottel. 1,507,428; Sept. 2.
Icing, Manufacture of. A. S. and J. Heinrich. 1,507,371; Sept. 2.
Ignition system. W. A. Chryst. 1,507,306 7; Sept. 2.
Ignition system. J. T. Fitzsimmons. 1,507,309; Sept. 2.
Impregnating articles with gut. J. J. Cullinan. 1,507,232; Sept. 2.
Incubator. P. Christiansson. 1,507,463; Sept. 2.
Incubators, Heating system for. C. A. Milton. 1,507,321; Sept. 2.
Indicator: *See*—
Center indicator. Engine indicator.
Indicator holder. W. A. McCartney. 1,507,507; Sept. 2.
Insecticide. G. Schollmeyer. 1,507,434; Sept. 2.
Insulating shield, Field-coil-. I. L. Griffith. 1,506,746; Sept. 2.
Insulator, Section. W. Schaake. 1,506,777; Sept. 2.
Insulator, Suspension. B. A. Plimpton. 1,506,863; Sept. 2.
Intelligence station. H. D. Greenwell. 1,507,169; Sept. 2.
Interference in transmission systems, Method of and means for reducing. H. W. Hitchcock. 1,507,178; Sept. 2.
Internal-combustion engine. J. A. Dirienzo. 1,506,921; Sept. 2.
Internal-combustion engine. L. Ilmer. 1,506,835; Sept. 2.
Internal-combustion engine. J. W. Smith. 1,506,950; Sept. 2.
Iron: *See*—
Electric iron.
Irrigator, Self-propelled traveling. A. H. Murphy. 1,507,506; Sept. 2.
Jack: *See*—
Automobile jack.
Jet augmenter or ejector. J. F. Kirgan. 1,506,908; Sept. 2.
Joint construction, Expansible-. W. C. Parmley and C. Gilman. 1,507,420; Sept. 2.
Keyboard, Transposition. P. M. Piel. 1,507,423; Sept. 2.
Key case. E. La Vine. 1,507,492; Sept. 2.
Knife. P. and W. E. J. Hansen. 1,506,928; Sept. 2.
Knife, Separable blade. G. Goldman. 1,506,879; Sept. 2.
Knitting machine, Circular-. E. Barth. 1,507,147; Sept. 2.
Knitting machines, Thread-guiding device for cotton-. C. Hilscher. 1,507,482; Sept. 2.
Knitting machines, Web-holder mechanism for. M. C. Miller. 1,507,022; Sept. 2.
Knitting mechanism. S. E. Taft. 1,506,790; Sept. 2.
Knitting mechanism. J. F. Wilcomb. 1,506,800; Sept. 2.
Knockdown box. J. L. Binkley. 1,507,042; Sept. 2.
Lamp. F. Roettges. Des. 65,540; Sept. 2.
Lamp for projecting apparatus. T. F. Uhlemann. 1,507,095; Sept. 2.
Lamp, Manufacturing carbon filament for incandescent. K. Nishikawa. 1,507,509; Sept. 2.
Lamp socket. G. W. Goodridge. 1,507,371; Sept. 2.
Lamp socket, Electric-. F. Orpen. 1,507,086; Sept. 2.
Last, Hinge. W. A. Krentler. 1,506,934; Sept. 2.
Latch, Refrigerator. L. G. Copeman. Re15,908; Sept. 2.
Lathe, Automatic. J. J. Thacher. 1,507,265; Sept. 2.
Leather cleaner, Liquid. A. T. Searcy. 1,507,033; Sept. 2.
Leather-surface-repair composition. J. S. Marrs and R. M. Morris. 1,506,983; Sept. 2.
Leer conveyer. P. Q. Williams. 1,507,301; Sept. 2.
Lens. L. Silberstein. 1,507,212; Sept. 2.
Lens, Direction-signal. P. S. Van Bloom. 1,507,402; Sept. 2.
Lenses, Coating edges of. W. J. Wrighton. 1,507,327; Sept. 2.
Lenses, Making multifocal. L. W. Bugbee. 1,506,733; Sept. 2.
Level. J. M. Chadwick. 1,507,334; Sept. 2.
Lifting device. J. A. Dienner. 1,506,816; Sept. 2.
Light: *See*—
Ship's light.
Lighting-fixture bracket. A. Jaegers. Des. 65,530; Sept. 2.
Lighting-fixture husk. G. E. McFadden. Des. 65,536; Sept. 2.
Lighting-fixture wall bracket. M. Klein. Des. 65,532–3; Sept. 2.
Lingerie clasp. A. Spettigue. 1,507,215; Sept. 2.
Linotype compositor's indicator. T. E. Windle. 1,507,013; Sept. 2.
Liquid-fuel burner. G. Van Ballegooijen. 1,507,096; Sept. 2.
Liquids and apparatus therefor, Heating and distilling. G. A. Keep and C. M. Hoff. 1,507,120; Sept. 2.
Liquids, Electrochemical treatment of. C. P. Landreth. 1,507,121; Sept. 2.
Liquids, fluids, and oils, Apparatus for the conversion of. J. H. Adams. 1,506,878; Sept. 2.
Liquids, fluids, and oils, Conversion and transformation of. J. H. Adams. 1,506,877; Sept. 2.
Lock: *See*—
Automobile lock. Rim lock.
Nut lock. Vehicle lock.
Lock. I. Jozefowicz. 1,507,237; Sept. 2.
Lock for carrying cases. J. B. Holden. 1,507,355; Sept. 2.
Locking and reenforcing means, Joint. E. A. Jones. 1,507,290; Sept. 2.
Locomotives, Charging station for storage battery. R. Mancha. 1,506,848; Sept. 2.
Locomotives, Handling storage batteries of electric. R. Mancha. 1,506,849; Sept. 2.
Locomotives, Steam connection for. W. E. Woodward. 1,507,407; Sept. 2.
Looms, Combined shuttle check, binder, and bobbin guide for. P. Mathieson. 1,506,914; Sept. 2.
Looms, Feeler mechanism for. W. Languirand. 1,507,122; Sept. 2.
Looms, Feeler mechanism for. A. E. Rhoades. 1,507,123; Sept. 2.
Looms, Feeler mechanism for. A. E. Rhoades. 1,507,125; Sept. 2.
Looms, Feeler mechanism for. E. S. Stimpson. 1,507,126 9; Sept. 2.
Looms, Feeler mechanism for. M. L. Stone. 1,507,130; Sept. 2.
Looms, Filling-replenishing mechanism for. A. E. Rhoades. 1,507,124; Sept. 2.
Looms for weaving carpets, rugs, or other like fabrics, Appliance for lubricating the pile wires employed in jacquard and like. C. Banik. 1,507,451; Sept. 2.
Looms, Warp stop mechanism for. C. D. Brown. 1,507,132; Sept. 2.
Lubricating device. R. Ehrenfeld and A. A. Kucher. 1,506,741; Sept. 2.
Lubricating system. F. G. and W. M. Folberth. 1,507,310; Sept. 2.
Lubricator: *See*—
Spring lubricator.
Lug. W. Meidenbauer. 1,507,499; Sept. 2.
Luggage carrier. F. A. Dagner. 1,507,047; Sept. 2.
Macaroni die. G. Tanzi. 1,506,869; Sept. 2.
Margarine and making same. M. C. Reynolds. 1,507,426; Sept. 2.
Masonry articles, Making ornamental. J. W. Newman. 1,507,085; Sept. 2.
Match box. J. F. Young. 1,507,101; Sept. 2.
Match-making machine. B. G. Vaughan. 1,506,958; Sept. 2.
Match safe. J. E. Neahr. 1,506,768; Sept. 2.
Matches, Manufacture of wooden. F. Maug-. 1,506,850; Sept. 2.
Materials containing metal compositions, Treating. E. S. Berglund. 1,507,152; Sept. 2.
Measuring and dispensing apparatus. H. W. Lustig. 1,507,495; Sept. 2.
Measuring stick, Foot-. H. M. Wheeler. 1,507,539; Sept. 2.
Meat-cutting machine. T. A. Smith. 1,507,259; Sept. 2.
Meerschaum, Manufacture of artificial. P. Deussing. 1,507,545; Sept. 2.
Melting solids, Device for. J. S. Willcox. 1,507,406; Sept. 2.
Mesh machine. R. H. Berkley. 1,506,880; Sept. 2.
Metal wheel. W. H. Morgan. 1,507,083; Sept. 2.
Metallurgical process. R. A. Driscoll. 1,507,346; Sept. 2.
Mill-roll stand. J. A. Cameron and G. B. Birch. 1,506,883; Sept. 2.
Mine door, Automatic. A. Goodley. 1,507,056; Sept. 2.
Mine, Submarine. E. A. Sperry. 1,506,784; Sept. 2.
Mining machine. R. Peale. 1,507,421; Sept. 2.
Modulating system. C. L. Fortescue. 1,506,742; Sept. 2.
Mold: *See*—
Cement-block mold.
Molded structure, Composite. W. H. Kempton. 1,506,756; Sept. 2.
Molding machine. J. R. Wood. 1,506,876; Sept. 2.
Monument. L. W. Stolz. Des. 65,545; Sept. 2.
Mop wringer. J. F. Etter. 1,507,474; Sept. 2.
Motor: *See*—
Hydrocarbon motor. Pump motor.
Pressure-fluid motor.
Motor-control system. W. M. Hutchison. 1,506,754; Sept. 2.

Motors, Cooking attachment for internal-combustion. H. Freund. 1,507,112; Sept. 2.
Mower, Lawn. A. J. Holle. 1,507,179; Sept. 2.
Multiple switch. H. L. Bradley. 1,506,969; Sept. 2.
Nailing device. J. Petrick. 1,507,422; Sept. 2.
Necktie. L. Friedman. Des. 65,524–6; Sept. 2.
Nicotine from its salts, Process and apparatus for producing free. H. K. McConnell. 1,507,135; Sept. 2.
Nitrided material, Preparing material for and producing therefrom. J. H. Reid. 1,506,999; Sept. 2.
Nose washer. E. Flagg. 1,507,475; Sept. 2.
Nozzle for spraying liquids with adjustable scattering effects. J. H. Morisseau. 1,507,084; Sept. 2.
Nut lock. C. G. Harris. 1,507,481; Sept. 2.
Oil burner. G. M. Bucey. 1,506,970; Sept. 2.
Oil burner. E. Humphreville. 1,507,484; Sept. 2.
Oil can. A. B. Ely. 1,507,233; Sept. 2.
Oil can. W. G. Matthews. 1,507,498; Sept. 2.
Oil cup, Electrically-operated. R. R. McClure. 1,506,938; Sept. 2.
Oil mining and drainage system. P. de Chambrier. 1,506,920; Sept. 2.
Oiler, Track. C. C. Corkran, W. W. Payne, L. Deutsch, and S. F. Lentz. 1,506,919; Sept. 2.
Ophthalmic-frame stretcher. R. M. Wason. 1,507,534; Sept. 2.
Optical trial case. A. J. Shellman. Des. 65,542; Sept. 2.
Oven, Baker's. C. S. Sharp. 1,507,257; Sept. 2.
Oven, Baking. N. R. Moss. 1,506,853; Sept. 2.
Oxalates from formates, Producing. W. Wallace. 1,506,872; Sept. 2.
Oxidizing hydrogen sulphide. H. Carstens, A. Engelhardt, and W. J. Müller. 1,507,105; Sept. 2.
Package for insect powder, Puffer. H. P. McCormick. 1,507,399; Sept. 2.
Packing, Piston. B. C. McClure. 1,506,855; Sept. 2.
Padlock. M. Koscho. 1,507,386; Sept. 2.
Padlock. J. Singer and P. Rekettye. 1,507,213; Sept. 2.
Padlock or similar article. F. Guildener. Des. 65,529; Sept. 2.
Paint, Fire-resisting. N. M. Hopkins. 1,507,181; Sept. 2.
Paperboard machine. J. H. Greenstreet. 1,507,373; Sept. 2.
Paper, Multiply. J. H. Greenstreet. 1,507,372; Sept. 2.
Paper-pasting machine. D. Collins. 1,507,465; Sept. 2.
Pavement. W. C. Hammatt. 1,507,282; Sept. 2.
Pectin freed from protein and starch. S. L. Crawford. 1,507,338; Sept. 2.
Pedal pin. J. W. Sanders. 1,507,206; Sept. 2.
Pen and pencil clip. E. E. Jenkins. 1,507,485; Sept. 2.
Pencil, Mechanical. J. C. Wahl. 1,506,795; Sept. 2.
Phase-modifying system. S. G. Nottage. 1,506,770; Sept. 2.
Photographic apparatus for making heliochromes. H. Diernhofer. 1,507,162; Sept. 2.
Photographic film with base of neutral tint. J. H. Haste and E. J. Ward. 1,507,174; Sept. 2.
Pianos, Pneumatic action for player. G. Freund. 1,506,980; Sept. 2.
Pick-head fastener. W. D. Lewis. 1,507,494; Sept. 2.
Pictures, Composite color process for printing. M. Lichter. 1,507,239; Sept. 2.
Pig iron in blast furnaces, Purification of. C. J. Somers. G. C. Tibbitts, and E. F. Quinn. 1,507,214; Sept. 2.
Pile-cutting device. P. A. Wagner. 1,507,145; Sept. 2.
Pilot wire-regulator system. G. Crisson. 1,507,160; Sept. 2.
Pin: *See*—
Pedal pin.
Pipe union. L. Pierce. 1,507,138; Sept. 2.
Pistol. V. Zogaja. 1,507,411; Sept. 2.
Piston. W. Kilchemann and F. Wuchierer. 1,507,490; Sept. 2.
Piston jig. R. E. Curtis. 1,507,274; Sept. 2.
Pistons, Device for guiding expansible packing rings onto. N. W. McLeod. 1,506,767; Sept. 2.
Planer-lubricating device. G. H. Langen and C. E. Linden. 1,507,070; Sept. 2.
Planter, Corn. J. Golon. 1,507,311; Sept. 2.
Plaster ground. E. L. Benedict. 1,507,364; Sept. 2.
Plastic. W. Hoskins. 1,507,379; Sept. 2.
Players, Expression device for automatic. F. J. Clark. Re15,907; Sept. 2.
Plow. A. Vargas. 1,507,530; Sept. 2.
Plow. F. J. Runser. 1,507,091; Sept. 2.
Pocket and means for locking same, Double. M. Migdalowitz. 1,507,396; Sept. 2.
Pocketknife. G. E. Blow. 1,507,043; Sept. 2.
Pole protector. J. M. Bagwell. 1,507,102; Sept. 2.
Posthole digger. G. M. Grant. 1,507,057; Sept. 2.
Power transmission. F. D. Hoffman. 1,507,061; Sept. 2.
Power-transmitting apparatus. A. E. Escott. 1,507,369; Sept. 2.
Press: *See*—
Hydraulic press. Shim-cutting press.
Printing press.
Pressure-fluid motor. G. H. Gilman. 1,507,018; Sept. 2.
Pressure gauge. H. L. Schieber. 1,507,031; Sept. 2.
Pressure-regulating mechanism. T. J. Erdman and J. Schaeffer. 1,506,820; Sept. 2.
Printing. J. A. Imhof. 1,507,358; Sept. 2.
Printing cylinder. M. Owen. 1,506,859; Sept. 2.
Printing plates, Treating and producing corrected half-tone plates or metallic. J. Dickert. 1,507,049; Sept. 2.
Printing press. R. C. Seymour. 1,507,436; Sept. 2.
Printing-press guide. W. Multaler. 1,506,990; Sept. 2.
Producing and separating certain subjects, Apparatus for. V. M. Weaver. 1,506,873; Sept. 2.
Protractor. J. D. McLeod. 1,507,027; Sept. 2.
Pulp products, Apparatus for drying. D. M. Sutherland, jr. 1,506,789; Sept. 2.
Pump. F. D. Hoffman. 1,507,062; Sept. 2.
Pump. O. Mowers. 1,507,124; Sept. 2.
Pump. J. A. Sulder. 1,507,441; Sept. 2.
Pump. G. J. Spohrer. 1,506,786; Sept. 2.
Pump, compressor, or blower. F. Egersdörfer. 1,506,893; Sept. 2.
Pump control, Automatic. M. S. Blackburn. 1,507,454; Sept. 2.
Pump, Diffusion. F. S. McCullough. 1,506,766; Sept. 2.
Pump for liquids. W. J. Rusdell. 1,507,520; Sept. 2.
Pump motor. J. A. Spears. 1,507,442; Sept. 2.
Pump or blower, Rotary. F. Egersdörfer. 1,506,892; Sept. 2.
Pump, Reciprocating. A. Steurs. 1,507,524; Sept. 2.
Pump rod elevator. J. P. Devlin. 1,507,048; Sept. 2.
Pump separator. W. O. Greer. 1,507,281; Sept. 2.
Pump, Universal oil. S. E. Cross. 1,506,888; Sept. 2.
Radiocabinet. F. W. E. Weisse. Des. 65,547; Sept. 2.
Radiosignaling system. L. de Forest. 1,507,016; Sept. 2.
Rail plate curve. W. H. Kirkbride. 1,507,068; Sept. 2.
Railway brake. B. Amendola. 1,507,102; Sept. 2.
Railway-brake-lever connection. B. Haskell. 1,507,173; Sept. 2.
Railway-crossing signal. J. Tschumper. 1,507,220; Sept. 2.
Railway signaling device. W. F. Fannon. 1,507,052; Sept. 2.
Rake: *See*—
Hayrake.
Razor blades, Device for grinding and polishing. W. Reichmann. 1,506,998; Sept. 2.
Razor, Safety. W. M. Stevenson. 1,507,264; Sept. 2.
Receptacle. L. R. Zifferer. 1,507,040; Sept. 2.
Recessing or cutting attachment. A. E. Drissner. 1,506,737; Sept. 2.
Reel: *See*—
Fishing reel.
Reel and spindle mount therefor. A. S. Howell. 1,507,357; Sept. 2.
Reels, Line-distributing device for. J. T. Welch. 1,507,404; Sept. 2.
Reflector. C. A. Mallory. 1,507,496; Sept. 2.
Refrigerator. W. F. Britton. 1,507,366; Sept. 2.
Refrigerator. R. A. and S. M. Mouron. 1,507,398; Sept. 2.
Rheostat. J. H. Miller. 1,507,021; Sept. 2.
Rheostat, Liquid. R. E. Hellmund. 1,506,751; Sept. 2.
Rein, Driving. M. Megrdichian. 1,507,080; Sept. 2.
Repair device. M. Auchelevich. 1,507,449; Sept. 2.
Rim, Demountable. I. Lewis. 1,507,074; Sept. 2.
Rim lock. R. F. McKenzie. 1,507,508; Sept. 2.
Ring. F. A. Shimp. Des. 65,543; Sept. 2.
Riveting machines, Guide for. E. B. Stimpson. 1,506,788; Sept. 2.
Roasting furnace. R. D. Pike. 1,506,942; Sept. 2.
Rod: *See*—
Connecting rod.
Rodent trap. W. J. Vickers. 1,507,532; Sept. 2.
Roller: *See*—
Shade roller.
Rope clamp. J. T. and C. W. Kemper. 1,507,316; Sept. 2.
Rotor windings, Support for. S. C. Hoey. 1,506,753; Sept. 2.
Rounding, Method and apparatus for. G. E. Mirtfeld. 1,506,988; Sept. 2.
Rubber, rubber substitutes, and the like, Apparatus for the vulcanization of articles of. H. Hawthorn. 1,507,059; Sept. 2.
Rubber-stamp construction. L. J. Melind. 1,506,985; Sept. 2.
Ruffling and sewing machine. C. Thero. 1,506,955; Sept. 2.
Rug, Bathroom. B. M. Aull. 1,506,731; Sept. 2.
Safes, Fabricating fire-resisting. F. A. Schmitz. 1,507,032; Sept. 2.
Salt box for animals. H. J. Cosford. 1,507,159; Sept. 2.
Salt, Recovery of. A. Schilling. 1,506,946; Sept. 2.
Samples, Method and apparatus for obtaining. W. Mehlersmann. 1,507,394; Sept. 2.
Sand-cutting machine. E. E. Davis. 1,507,341; Sept. 2.
Sanitary bandage. H. W. Holly. 1,507,180; Sept. 2.
Sanitary plastic-food server. H. C. Richardson. 1,507,516; Sept. 2.
Saw clamp. G. W. Miller. 1,507,501; Sept. 2.
Saw, Portable power. F. J. Nankivell. 1,507,245; Sept. 2.
Saw, Rotary hoop. J. T. Carroll. 1,507,460; Sept. 2.
Sawmill-track adjuster. K. I. Franklin. 1,506,824; Sept. 2.
Scale. H. B. Bagg. 1,506,879; Sept. 2.
Scale. L. A. Osgood. 1,507,419; Sept. 2.
Scale, Egg. W. J. Schmidt. 1,507,326; Sept. 2.
Scooter. H. O. Wilson. 1,507,541; Sept. 2.
Screen: *See*—
Window screen.
Sealing means, Post and cover. W. E. Gossling 1,507,114; Sept. 2.

Sealing under vacuum, Process and apparatus for. R. M. Garrett. 1,507,166; Sept. 2.
Seed pan. R. M. Coop. 1,507,468; Sept. 2.
Semaphore signal mechanisms, Circuit controller for. R. C. Leake. 1,507,493; Sept. 2.
Separator: *See*—
Grain separator. Pump separator.
Sewing machine, Ruffling. J. R. Moffatt. 1,506,916. Sept. 2.
Shade roller. C. C. Worden. 1,506,801; Sept. 2.
Sharpener, Scissors. D. W. Holdzkom. 1,507,286; Sept. 2.
Sharpening device, Lawn-mower. N. A. Nelson. 1,507,248; Sept. 2.
Shears, Pruning. L. J. Barrett. 1,507,225; Sept. 2.
Sheet metal or similar article of manufacture. D. Stoll. Des. 65,544; Sept. 2.
Sheet material, Machine for folding. C. L. Lee. 1,507,318; Sept. 2.
Shim-cutting press. G. H. North. 1,507,510; Sept. 2.
Ship's light. S. H. Edelstein. 1,507,367; Sept. 2.
Shock loader. R. D. Pugh. 1,507,298; Sept. 2.
Shocking machine. W. D. Kesselring. 1,507,489; Sept. 2.
Shoe. F. M. Bohr. Des. 65,515; Sept. 2.
Shoe and arch supporter. W. Saklad. 1,506,943; Sept. 2.
Shoe-tread protector. L. W. Nimschke. 1,506,917; Sept. 2.
Shoe-tying device. H. S. Keyes. 1,507,189; Sept. 2.
Shotgun, Air. W. Paul. 1,506,995; Sept. 2.
Sighting-drill system and device. J. G. Winter. 1,507,223; Sept. 2.
Sign. T. N. Evens. 1,507,308; Sept. 2.
Sign. C. W. Klitz. 1,507,487; Sept. 2.
Signboard. A. L. Juhl and R. R. Darden. 1,507,187; Sept. 2.
Signal: *See*—
Auto signal. Tire signal.
Automobile signal. Traffic signal.
Railway-crossing signal.
Signaling apparatus. B. R. Gover. 1,507,019; Sept. 2.
Signaling device. A. Wessig. 1,506,798; Sept. 2.
Signaling system. L. Dorfman. 1,506,736; Sept. 2.
Slicing or grating machine. F. Burgdorf. 1,506,972; Sept. 2.
Smelting or fusing metallic substances. R. Moldenke. 1,507,397; Sept. 2.
Smoke and fume arresters, Adapter for. G. H. Backmire. 1,507,269; Sept. 2.
Smoker's appliance. L. A. Priess. 1,507,297; Sept. 2.
Snap gauge. A. C. Wickman. 1,507,222; Sept. 2.
Sole-rounding machine. G. Julian. 1,506,839; Sept. 2.
Soles of boots and shoes, Machine for operating on the. F. M. Furber. 1,506,825; Sept. 2.
Sorting machine. C. M. Hamna. 1,507,058; Sept. 2.
Sound receiver. W. Hahnemann and H. Hecht. 1,507,171; Sept. 2.
Spacer, Variable line. O. A. Hokanson. 1,507,352; Sept. 2.
Spark-plug. A. J. Francoeur. 1,506,823; Sept. 2.
Spark plug. J. W. Jackson. 1,506,836; Sept. 2.
Spark plug. S. Palmeri. 1,506,861; Sept. 2.
Spark plugs, Safety and short-circuiting device for. C. K. Malott. 1,507,391; Sept. 2.
Spear and coupler, Combined casing. J. R. Jones. 1,507,291; Sept. 2.
Speedometer, Illuminated. J. H. Cope. 1,506,976; Sept. 2.
Spindle. E. A. Perkins. 1,507,137; Sept. 2.
Spool holder, Multiple. M. Zuber. 1,507,302; Sept. 2.
Spool-mounting ribbon. J. S. Duncan. 1,506,891; Sept. 2.
Spool, Ribbon. J. S. Duncan. 1,506,889–90; Sept. 2.
Sprayer, Variable-jet liquid. R. G. Edgell. 1,506,819; Sept. 2.
Spring: *See*—
Brush-holder spring. Vehicle spring.
Spring. F. D. Parker. 1,507,511; Sept. 2.
Spring brake. B. F. Shields, C. G. Cromble, and G. A. Windell. 1,507,034; Sept. 2.
Spring lubricator. G. A. Tonz. 1,506,870; Sept. 2.
Spring wheel. J. E. Miller. 1,506,986; Sept. 2.
Sprinkler head. E. T. Franzen. 1,507,350; Sept. 2.
Stand: *See*—
Mill-roll stand.
Starting cage for racing dogs. O. P. Smith. 1,507,439; Sept. 2.
Steam and other fluids under pressure, Means for conveying. C. F. Zimmermann. 1,507,015; Sept. 2.
Steel and making same, Zirconium. F. M. Becket. 1,507,452; Sept. 2.
Steering device. A. Flettner. 1,506,821; Sept. 2.
Steering mechanism, Nonweaving. A. P. Lee. 1,506,910; Sept. 2.
Steering-wheel brake. A. M. Yocom. 1,507,100; Sept. 2.
Storage battery. T. A. Willard. 1,506,874; Sept. 2.
Stove structure. T. E. Taylor. 1,507,446; Sept. 2.
Strainer, Liquid fuel. A. H. Bosworth. 1,506,967; Sept. 2.
Strip-casting mechanism. C. H. Brasted. 1,507,456; Sept. 2.
Suction cleaner. A. C. Bennett. 1,507,271; Sept. 2.
Suction cleaner. W. V. Orr. 1,506,858; Sept. 2.
Suction cleaner. W. V. Orr. 1,507,417; Sept. 2.
Sulphur dioxide, Purification of. F. W. Andrews. 1,506,963; Sept. 2.
Suppository-making machine. S. K. Applebaum. 1,507,303; Set. 2.
Sweeper, Lawn. E. E. Laberge. 1,507,317; Sept. 2.
Sweeper, Street. F. H. Meyer. 1,507,243; Sept. 2.
Swimming foot paddle. A. Cech. 1,506,885; Sept. 2.
Switch: *See*—
Multiple switch. Telephone switch.
Switch-throw-rod connection. E. C. Larry. 1,507,491; Sept. 2.
Tabbing machine. H. J. Goss. 1,506,829; Sept. 2.
Tables, Self-setting slip for rotary. C. B. Reynolds. 1,507,325; Sept. 2.
Tag, Key. F. B. Whitcomb. 1,507,405; Sept. 2.
Tank-discharge-controlling device. R. Conrader. 1,506,973; Sept. 2.
Tap and die, Adjustable. T. J. Dowd. 1,507,472; Sept. 2.
Target trap. P. North. 1,506,992; Sept. 2.
Taximeter fuel-control mechanism. J. A. Holmquist. 1,507,483; Sept. 2.
Telephone exchange, Automatic. J. G. Roberts. 1,507,000; Sept. 2.
Telephone-exchange system. W. W. Carpenter. 1,506,884; Sept. 2.
Telephone-exchange system. J. W. Gooderham. 1,506,743; Sept. 2.
Telephone-exchange system. J. W. Gooderham. 1,507,113; Sept. 2.
Telephone-exchange system. J. A. Hall. 1,506,747; Sept. 2.
Telephone-exchange system. J. A. Hall. 1,506,901; Sept. 2.
Telephone-exchange system. L. Polinkowsky. 1,506,864; Sept. 2.
Telephone exchanges, Coin-collect system for automatic. R. D. Conway and R. L. Quass. 1,506,735; Sept. 2.
Telephone switch, Automatic. J. N. Reynolds. 1,507,140; Sept. 2.
Telephone system. C. L. Goodrum. 1,506,899; Sept. 2.
Telephone system. E. E. Hinrichsen. 1,507,116; Sept. 2.
Telephone system. L. D. Kellogg. 1,506,933; Sept. 2.
Telephone system. A. E. Lundell. 1,506,759; Sept. 2.
Telephone system. H. D. MacPherson. 1,506,912–13; Sept. 2.
Telephone system. F. F. Vallette. 1,507,144; Sept. 2.
Telephone systems, Wire chief's test circuit for. C. E. Lomax. 1,507,075; Sept. 2.
Telephone transmitter. B. F. Miessner. 1,507,081; Sept. 2.
Telescopes, Lens system for Galilean. H. Erfle. 1,507,111; Sept. 2.
Temperature and humidity of the atmosphere, Apparatus for and method of recording the. D. T. May. 1,506,764; Sept. 2.
Tent roof, Device for stretching. P. C. Schaefer. 1,507,003; Sept. 2.
Terminal, Floating contact. L. J. Greenawalt. 1,506,744; Sept. 2.
Testing method and system. F. E. Field. 1,506,896; Sept. 2.
Textile fabric. J. S. Boyd. Des. 65,516–19; Sept. 2.
Textile machines, Yarn clearer for. C. R. Bower and J. Fitzpatrick. 1,506,810; Sept. 2.
Thermoelectric apparatus. F. W. Andrews. 1,506,962; Sept. 2.
Thermostat. G. T. Newell, jr. 1,506,769; Sept. 2.
Threads, Method of and machine for milling tapered. P. P-G. Hall. 1,507,235; Sept. 2.
Ticket, Manifold. G. H. Baughman. 1,507,226; Sept. 2.
Ticket, Pinless-grip. F. H. Thompson. 1,506,956; Sept. 2.
Tie and fastener. W. H. Beal. 1,507,227; Sept. 2.
Timer. B. L. Toquet. 1,506,957; Sept. 2.
Tins, boxes, or the like, Holder or grip for holding. K. Osborne. 1,507,418; Sept. 2.
Tire. F. J. Dougherty. Des. 65,522; Sept. 2.
Tire. W. L. Tourtellot. Des. 65,546; Sept. 2.
Tire alarm. O. F. Schroeder. 1,506,947; Sept. 2.
Tire carrier. M. G. Dichwolf and C. E. Schultz. 1,506,977; Sept. 2.
Tire remover. O. C. Schlenker. 1,507,208; Sept. 2.
Tire signal. G. Dillman. 1,507,546; Sept. 2.
Tire tool. T. W. Walker. 1,507,146; Sept. 2.
Tire-treating apparatus. H. V. Lough. 1,507,240; Sept. 2.
Tires and similar articles, Machine for packaging rubber. L. F. Hintz. 1,507,376; Sept. 2.
Tires, Means for ascertaining the position of punctures in the air tubes of pneumatic. J. Jones. 1,507,486; Sept. 2.
Tobacco and cigarette papers, Receptacle for. C. Gunter. 1,506,926; Sept. 2.
Toilet-paper package. M. M. Cohn. 1,507,106; Sept. 2.
Toilet set. A. Matias. 1,507,393; Sept. 2.
Tongs and the like. R. F. Gellert. 1,506,827; Sept. 2.
Tool. C. L. Lee. 1,507,319; Sept. 2.
Tool-handle ferrule. W. Lauber. 1,507,071; Sept. 2.
Tooth, Artificial. C. I. Monson. 1,507,024; Sept. 2.
Tooth, Interchangeable. E. P. Cressler. 1,507,231; Sept. 2.
Toothbrush. S. W. Metz. 1,507,500; Sept. 2.
Toothbrush holder and sterilizer. W. H. Collins. 1,507,466; Sept. 2.
Tower and other similar structure. I. W. Marshall. 1,506,984; Sept. 2.
Toy. L. V. Aronson. Des. 65,514; Sept. 2.
Toy. E. J. Palmatier. 1,506,994; Sept. 2.

Toy airplane. B. F. Laukandt. 1,507,192; Sept. 2.
Toy and the like, Locomotive. W. J. O'Leary. 1,506,771; Sept. 2.
Toy banks and for other purposes, Signaling means for. L. Giclas. 1,507,279; Sept. 2.
Toy, Figure. F. Vorel. 1,507,097; Sept. 2.
Toy, Figure wheeled. W. E. Ott. 1,507,200; Sept. 2.
Toy, Mechanical. N. P. Otis. 1,507,199; Sept. 2.
Toy or similar device, Magnetic. J. B. Carroll. 1,507,333; Sept. 2.
Toy walker. J. Perrett. 1,507,512; Sept. 2.
Tracklaying machine. R. E. Stubbs. 1,506,953; Sept. 2.
Tractor hitch. J. Brungess. 1,507,155; Sept. 2.
Tractors, Saw attachment for. O. H. Larson. 1,507,388; Sept. 2.
Traffic signal. O. W. Beehler and L. B. Cogswell. 1,507,041; Sept. 2.
Trailers, Draft and steering rig for. E. R. Clayton and C. R. Welch. 1,507,335; Sept. 2.
Train control, Simplex. A. L. Ruthven. 1,507,430–2; Sept. 2.
Trains, etc., Umbrella shed for. C. B. Foster. 1,506,822; Sept. 2.
Transformer, High-tension. H. Kress. 1,507,190; Sept. 2.
Transmission band. G. R. Hoffman. 1,507,285; Sept. 2.
Transmission mechanism. L. H. Kelm. 1,506,755; Sept. 2.
Transmission system. R. I. D. Nicoll. 1,507,136; Sept. 2.
Trap: *See*—
Rodent trap. Target trap.
Trap. O. H. Vandell. 1,507,531; Sept. 2.
Tray and like structure, Ash. R. F. Freeble. 1,507,370; Sept. 2.
Trimmer: *See*—
Hedge trimmer.
Trolley-wire and the like hanger. W. G. Milne. 1,507,023; Sept. 2.
Truck. G. Manierre. 1,506,762; Sept. 2.
Tube and method of making tubes. H. W. Bundy. 1,506,971; Sept. 2.
Tumbler. W. P. Graham. Des. 65,528; Sept. 2
Two-cycle engine, High-compression. H. Ruehman. 1,507,090; Sept. 2.
Type-composing machines, Device and element for perforating bands of. O. Wolters. 1,507,542; Sept. 2.
Typewriter attachment. F. E. Fanger. 1,507,278; Sept. 2.
Typewriter, Type-cylinder. M. Heim. 1,507,375; Sept. 2.
Typewriters, Back spacer for. O. A. Hokanson. 1,507,353; Sept. 2.
Typewriters, Ribbon mechanism for. O. A. Hokanson. 1,507,354; Sept. 2.
Typewriting machine. F. Becker. 1,507,149; Sept. 2.
Typewriting machine. B. C. Stickney. 1,506,787; Sept. 2.
Uncoupling mechanism. I. H. Milliken and W. J. Regan. 1,507,244; Sept. 2.
Underreamer. W. E. Youle. 1,507,039; Sept. 2.
Underreamer, Solid-wedge. F. Swan. 1,507,444; Sept. 2.
Unloader, Hydraulic. K. Fölsche. 1,507,054; Sept. 2.
Vacuum cleaner. W. S. Sutton. 1,507,010; Sept. 2.
Valve. A. Greiner and C. J. Long. 1,506,900; Sept. 2.
Valve. J. F. Robertson. 1,507,001; Sept. 2.
Valve and gauge, Air. L. T. Earnheart. 1,506,738; Sept. 2.
Valve, Automatic shut-off. W. Hopwood. 1,507,182; Sept. 2.
Valve, Balanced sluice. G. Gomand. 1,507,280; Sept. 2.
Valve construction for internal-combustion engines. F. S. Nash, W. H. Harris, and C. P. Schwarz. 1,506,991; Sept. 2.
Valve, Control. C. H. Hook. 1,506,834; Sept. 2.
Valve control for carburetors. A. G. Redmond. 1,507,088; Sept. 2.
Valve, Flush-tank. R. Klaun. 1,507,383; Sept. 2.
Valve for air tubes. G. W. Sheeley. 1,507,437; Sept. 2.
Valve-holding device. R. H. Aldrich. 1,507,448; Sept. 2.
Valve, Homogenizing. D. F. Hormann. 1,507,378; Sept. 2.
Valve, Mixing. B. F. Walker and W. J. Harper. 1,507,533; Sept. 2.
Valve-operating mechanism, Adjustable. F. Y. Harrison. 1,506,929; Sept. 2.
Valve, Pressure-reducing. A. S. Lewis. 1,507,073 Sept. 2.
Valve, Reducing. G. A. Snyder. 1,507,262; Sept. 2.
Valve, Sewer. A. R. Swanson. 1,507,445; Sept. 2.
Vanity case. S. E. Miller. 1,507,082; Sept. 2.
Vaporizer, Fuel. W. L. and E. W. Baumgardner. 1,507,329; Sept. 2.
Vehicle attachment. J. A. Stackhouse. 1,506,952; Sept. 2.
Vehicle controlling mechanism. H. A. Wagner. 1,506,794; Sept. 2.
Vehicle doors, Hinge for. W. Morris. 1,507,322; Sept. 2.
Vehicle driving and steering mechanism. J. J. Welch. 1,507,012; Sept. 2.
Vehicle dumping apparatus. R. C. Stone. 1,507,00 Sept. 2.
Vehicle lock. J. Klaila. 1,507,069; Sept. 2.
Vehicle signal, Road-. A. Wessig. 1,506,797; Sept. 2
Vehicle spring. G. C. Goode. 1,506,808; Sept. 2.
Vehicle spring clip. H. T. Weis. 1,507,537; Sept. 2.
Vehicle wheels, Traction attachment for. W. R. Hilly 1,506,905; Sept. 2.
Vehicles, Combination lock for motor. E. R. Heym. 1,507,351; Sept. 2.
Vehicles, Endless track for. J. T. Dreyer. 1,507,458; Sept. 2.
Vehicles, Latch for seat and body construction for motor. V. W. Pagé. 1,507,556; Sept. 2.
Vehicles, Stake pocket for. L. W. Bosley. 1,507,229; Sept. 2.
Vending machine. N. Camelo and T. Dombrowski. 1,506,813; Sept. 2.
Vending machine. A. D. Grover. 1,506,981; Sept. 2.
Ventilator. J. L. Childers and F. Arland. 1,507,462; Sept. 2.
Vermin exterminator. R. W. Prittie. 1,507,029; Sept. 2.
Volume-regulator gauge. F. C. Reed. 1,506,943; Sept. 2.
Wall board and lath, Combination. W. D. Hicks. 1,506,931; Sept. 2.
Wall board, Manufacturing composition. J. A. Buttress. 1,507,332; Sept. 2.
Wall-finishing material. M. W. Duffy. 1,507,275; Sept. 2.
Walls, Applying stucco finish to. M. W. Duffy. 1,507,276; Sept. 2.
Walls, Method and apparatus for making metallic. F. K. Bezzenberger. 1,506,966; Sept. 2.
Warships, Apparatus for controlling firing on board. E. Schneider. 1,507,209; Sept. 2.
Washer: *See*—
Can washer. Nose washer.
Washing machine. W. V. Orr. 1,507,416; Sept. 2.
Washing-machine tub. H. F. Snyder. 1,506,783; Sept. 2.
Weather-strip guide. D. W. Arave. 1,507,224; Sept. 2.
Weighing the load on vehicle wheels. J. B. Meriam. 1,507,242; Sept. 2.
Welding machine, Electric. W. E. Reed and E. L. Benedict. 1,507,425; Sept. 2.
Well digging machine. G. W. Hanna. 1,507,283; Sept. 2.
Wheel: *See*—
Car wheel. Metal wheel.
Cushion wheel. Spring wheel.
Wheel construction. H. W. Angsten. 1,507,359; Sept. 2.
Wheel rim. A. E. Logan. 1,506,911; Sept. 2.
Wheels, Disk brake for vehicle. M. R. Haselmaier. 1,506,930; Sept. 2.
Wheels, Hub structure for. E. G. Budd and J. Ledwinka. 1,507,549; Sept. 2.
Wheels, Lifting device for demountable. P. R. Higginbotham. 1,506,833; Sept. 2.
Windmill. W. H. Bot. 1,506,968; Sept. 2.
Window blind fitting. C. Newalt. 1,507,324; Sept. 2.
Window construction. C. A. Karpenstein. 1,507,119; Sept. 2.
Window for motor-driven vehicles. A. Maake. 1,507,077; Sept. 2.
Window guard, Burglarproof. J. A. Gray. 1,507,478; Sept. 2.
Window openings, Unitary screen and closure arrangement for. W. H. Watson. 1,506,960; Sept. 2.
Window screen, Adjustable. F. Fraccascia. 1,507,477; Sept. 2.
Window-washing device. J. M. Franz. 1,507,349; Sept. 2.
Windows, Fastener for casement. W. C. Rankin. 1,507,087; Sept. 2.
Wire-forming machine. F. H. Sleeper. 1,507,007; Sept. 2.
Wire or other cores, Machine for covering. E. E. Waite. 1,506,871; Sept. 2.
Wire-stretching device. J. King. 1,506,842; Sept. 2.
Wireless telegraph and telephone system. L. de Forest. 1,507,017; Sept. 2.
Wireless tuning system. P. E. Wiggin. 1,506,799; Sept. 2.
Wood-bending machine. C. W. Elliott. 1,507,368; Sept. 2.
Working schedule or indicating guide. R. H. Harrison. 1,507,172; Sept. 2.
Wrench. J. Bartosik. 1,507,362; Sept. 2.
Wrench. A. Neal. 1,507,197; Sept. 2.
Wrench. P. E. Page. 1,506,860; Sept. 2.
Wringer: *See*—
Mop wringer.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 2, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Oil Co. of Alabama, Birmingham, Ala. Gasoline and blended motor fuel. 189,006; Sept. 9; Serial No. 196,001; published June 17, 1924.

African & Eastern Trading Co., Incorporated, The, New York, N. Y. Wheat flour. 189,031; Sept. 9; Serial No. 196,895; published July 1, 1924.

American Agricultural Chemical Company, The, New York, N. Y. Fertilizer. 188,978; Sept. 9; Serial No. 196,421; published July 8, 1924.

American Drug Co., New York, N. Y. Medicinal tonics. 189,154; Sept. 9.

American Fork & Hoe Company, The, Cleveland, Ohio. Hoes and agricultural hand implements. 188,962; Sept. 9; Serial No. 179,507; published July 8, 1924.

American Wholesale Corporation (Baltimore Bargain House), Baltimore and Cumberland, Md. Braids, tapes, binding, needles, etc. 189,036; Sept. 9; Serial No. 196,051; published June 24, 1924.

Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic films. 188,924; Sept. 9; Serial No. 194,152; published July 1, 1924.

Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Scissors. 188,960; Sept. 9; Serial No. 178,703; published July 1, 1924.

Auerbach Company, Salt Lake City, Utah. Creamery butter. 189,030; Sept. 9; Serial No. 197,058; published July 1, 1924.

Bahnsen, C., & Co., Inc., New York, N. Y. Wool-velour coating piece goods. 189,095; Sept. 9; Serial No. 196,787; published July 1, 1924.

Bailey, E. Marvin, Houston, Tex. Heat pad for medical purposes. 188,969; Sept. 9; Serial No. 188,290; published July 1, 1924.

Barbour, J. E., Company, Paterson, N. J. Thread. 189,004; Sept. 9; Serial No. 195,938; published July 8, 1924.

Barredo, Santiago Lopez, S. A., Santander, Spain. Preserved fish. 189,048; Sept. 9; Serial No. 191,657; published June 24, 1924.

Beuls, Granville A., doing business as The Greenwich Mills, East Greenwich, R. I. Woolen piece goods. 189,147; Sept. 9.

Bell Canning Company, The, Waterloo and Grundy Center, Iowa. Canned vegetables. 189,150; Sept. 9.

Berger Bros. Company, Philadelphia, Pa. Eaves troughs, gutters, eaves-trough outlets, etc. 188,937; Sept. 9; Serial No. 194,775; published June 24, 1924.

Berlin, Morell & Co., New York, N. Y. Woolen piece goods. 189,137; Sept. 9.

Blackstone Manufacturing Co., Newark, N. J. Vanilla extract, lemon extract, etc. 189,059; Sept. 9; Serial No. 170,518; published July 1, 1924.

Block House, Inc., New York, N. Y. Toy building blocks. 189,010; Sept. 9; Serial No. 197,412; published July 1, 1924.

Blossom Mineral Water Co. (See Murphy, Frank H.)

Blue Hill Candy Co. (See Catsigianis, Otto P.)

Bouton, Emile, Paris, France. Dress shields. 189,061; Sept. 9; Serial No. 172,635; published June 24, 1924.

Boyle, John & Company Incorporated, New York, N. Y. Awning stripes and ticking. 189,100; Sept. 9; Serial No. 196,508; published July 1, 1924.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 189,106; Sept. 9; Serial No. 196,152; published July 1, 1924.

Cadman, A. W., Manufacturing Co., Pittsburgh, Pa. Bearing metals. 188,970; Sept. 9; Serial No. 188,584; published July 1, 1924.

California Poultry Company, San Francisco, Calif. Dressed poultry. 188,936; Sept. 9; Serial No. 194,906; published June 24, 1924.

Carroll, P. J., and Company Limited, Dundalk, Ireland. Smoking tobacco. 189,114; Sept. 9; Serial No. 195,633; published June 24, 1924.

Castle, Eugene W., doing business as Castle Films, San Francisco, Calif. Motion-picture films. 188,963; Sept. 9; Serial No. 179,515; published July 8, 1924.

Catsigianis, Otto P., doing business as Blue Hill Candy Company, St. Louis, Mo. Candy. 188,926; Sept. 9; Serial No. 196,963; published June 24, 1924.

Chesebro Brothers & Robbins, Inc., New York, N. Y. Canned flaked fish and fresh haddock. 189,094; Sept. 9; Serial No. 190,007; published June 17, 1924.

Chicago Blow Pipe Co., Chicago, Ill. Shavings and dust collecting systems and apparatus. 188,955; Sept. 9; Serial No. 196,232; published July 8, 1924.

Clark Dust Collecting Co. Inc., The, Chicago, Ill. Dust-collecting systems and apparatus for air separating and conveying systems. 188,938; Sept. 9; Serial No. 194,334; published July 8, 1924.

Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 189,000; Sept. 9; Serial No. 195,212; published July 1, 1924.

Climax Creamery Co., Shawnee, Okla. Butter. 188,995; Sept. 9; Serial No. 192,239; published July 1, 1924.

Collins-Hencke Candy Co., San Francisco, Calif. Candy. 189,112; Sept. 9; Serial No. 195,803; published July 1, 1924.

Columbia Mills, Incorporated, The, New York, N. Y. Shade, sign, tape, etc., cloth and lace curtains. 189,152; Sept. 9.

Continental Flat Glass Company, Shreveport, La. Sheet glass and sheet-glass products. 189,019–20; Sept. 9; Serial Nos. 196,910–11; published June 24, 1924.

Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Brass and bronze castings, Babbitt metal, etc. 188,965–6; Sept. 9; Serial Nos. 185,956–7; published July 1, 1924.

Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Nonferrous metals and nonferrous-metal castings and forgings. 188,967; Sept. 9; Serial No. 185,959; published July 1, 1924.

Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's bed sheets. 189,149; Sept. 9.

Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 188,932; Sept. 9; Serial No. 195,679; published June 24, 1924.

Darmac Company, New York, N. Y. Cooking grills. 188,988; Sept. 9; Serial No. 197,137; published July 8, 1924.

Dayton Scale Company, Dayton, Ohio. Weighing scales. 188,989; Sept. 9; Serial No. 197,706; published July 8, 1924.

Denville Silk Company, New York, N. Y. Silk goods and shirtings. 189,107; Sept. 9; Serial No. 196,106; published July 1, 1924.

De Picabia, Manuel M., New York, N. Y. Coffees, teas, chocolates, bonbons, cocoa. 189,086; Sept. 9; Serial No. 193,326; published July 1, 1924.

Derby Ginger Ale Company. (See La Pides, Abraham.)

Diamond Match Company, The, Chicago, Ill. Matches. 189,098; Sept. 9; Serial No. 196,582; published June 24, 1924.

Doniger, David D., & Co. Inc., New York, N. Y. Golf suits, coats, hose, and sweaters. 189,140; Sept. 9.

Doyle, Thomas, Co., The, Hackensack, N. J., assignor to William R. Warner & Co., Inc., New York, N. Y. Laxative. 189,091; Sept. 9; Serial No. 190,875; published June 3, 1924.

Earco. (See Ruthstrom, Elmer A.)

Edna Brass Mfg. Co., The, Cincinnati, Ohio. Valves and cocks. 188,981; Sept. 9; Serial No. 196,796; published July 8, 1924.

Egan, Dr. S. J., Manufactory, Chicago, Ill. Hairbrushes. 189,012; Sept. 9; Serial No. 197,264; published July 1, 1924.

Ephraim Sanitary Canning Co., Ephraim, Utah. Canned vegetables and fruits. 189,146; Sept. 9.

Essex Rubber Company, Inc., Trenton, N. J. Tank balls. 189,145; Sept. 9.

Euclid Candy Co., The, Cleveland, Ohio. Candy. 189,060; Sept. 9; Serial No. 170,570; published July 1, 1924.

Ever Ready Chocolate Co., The, Rochester, N. Y. Prepared chocolate. 189,155; Sept. 9.

Factory Oil Company, The, Akron, Ohio. Kerosene. 189,008; Sept. 9; Serial No. 196,447; published June 24, 1924.

Fayfield Knoll Company, Buffalo, N. Y. Skates or devices for skating upon snow. 189,103; Sept. 9; Serial No. 196,297; published July 1, 1924.

Forbes, Jos. H., Tea & Coffee Co., St. Louis, Mo. Tea. 189,080; Sept. 9; Serial No. 193,823; published July 1, 1924.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 189,081; Sept. 9; Serial No. 193,818; published July 1, 1924.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 189,082; Sept. 9; Serial No. 193,813; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,119; Sept. 9; Serial No. 195,391; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,120; Sept. 9; Serial No. 195,389; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,121; Sept. 9; Serial No. 195,387; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,122; Sept. 9; Serial No. 195,385; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,123; Sept. 9; Serial No. 195,357; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,124–5; Sept. 9; Serial Nos. 195,353–4; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,126; Sept. 9; Serial No. 195,348; published July 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 189,127; Sept. 9; Serial No. 195,342; published July 1, 1924.
Fox Film Corporation, New York, N. Y. Motion-picture films. 188,975–6; Sept. 9; Serial Nos. 193,764–5; published July 1, 1924.
Gallub, Philip, New York, N. Y. Silk piece goods. 189,023; Sept. 9; Serial No. 196,801; published July 1, 1924.
Gallub, Philip, New York, N. Y. Silk piece goods. 189,075; Sept. 9; Serial No. 195,275 published July 1, 1924.
Gallub, Philip, New York, N. Y. Silk piece goods. 189,133; Sept. 9; Serial No. 195,276; published July 1, 1924.
Garcia, Ramiro, Habana, Cuba. Mineral water. 189,035 Sept. 9; Serial No. 147,343; published June 24, 1924.
Garner Print Works & Bleachery, New York, N. Y. Cotton piece goods. 189,046; Sept. 9; Serial No. 191,014; published June 24, 1924.
Garric, André, Layrac, France. Plows. 188,971; Sept. 9; Serial No. 190,778; published July 1, 1924.
General Optical Company, Inc., Mount Vernon, N. Y. Chair attachments for holding ophthalmological apparatus, etc. 188,985; Sept. 9; Serial No. 197,022; published July 8, 1924.
Ghirardelli, D., Company, San Francisco, Calif. Chocolate and cocoa. 189,040; Sept. 9; Serial No. 178,440; published June 24, 1924.
Good Rubber Company, The, Akron, Ohio. Toy balloons. 189,111; Sept. 9; Serial No. 195,816; published July 1, 1924.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle tires. 188,959; Sept. 9; Serial No. 101,064; published Aug. 23, 1921.
Grape-Dew Company of America, Atlanta, Ga. Grape soda water and grape juice. 189,041; Sept. 9; Serial No. 179,595; published June 24, 1924.
Great West Mill & Elevator Company, Amarillo, Tex. Wheat flour. 189,026; Sept. 9; Serial No. 197,370; published July 1, 1924.
Greenwich Mills, The. (See Beals, Granville A.)
Haglund & Söner's Handels- & Fabriksaktiebolag, Falköping, Sweden. Window-shade or window-blind roller. 188,989; Sept. 9; Serial No. 180,335; published July 8, 1924.
Hamilton Rubber Manufacturing Company, Trenton, N. J. Steam hose and air hose. 189,052; Sept. 9; Serial No. 194,185; published June 24, 1924.
Hanson Brothers Scale Co., Chicago, Ill. Weighing scales. 188,927; Sept. 9; Serial No. 196,386; published July 8, 1924.
Hearn, James A., & Son, Inc., New York, N. Y. Woolen blankets. 189,132; Sept. 9; Serial No. 195,282; published July 1, 1924.
Hellyer Steel Parts Corporation, Los Angeles, Calif. Reamers, valve reamers, valve-seat reamers, valve-seat cutters, etc. 188,942; Sept. 9; Serial No. 195,109; published July 8, 1924.
Hercules Gasoline Co., Aos Angeles, Calif. Gasoline, motor oils, distillate, etc. 188,994; Sept. 9; Serial No. 189,779; published Apr. 29, 1924.
Herz Bed Company, Chicago, Ill. Bedsteads, day beds, couches, etc. 189,135; Sept. 9.
Herz Bed Company, Chicago, Ill. Bedsteads, day beds, couches, etc. 189,141; Sept. 9.
Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Sliding T bevels, calipers, plumbs, etc. 189,143; Sept. 9.
Hohlfeld Manufacturing Company, Philadelphia, Pa. Cloth towels, wash rags, etc. 189,073; Sept. 9; Serial No. 196,744; published July 1, 1924.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 189,021; Sept. 9; Serial No. 196,868; published July 1, 1924.
Holley Carburetor Company, Detroit, Mich. Carburetors. 188,941; Sept. 9; Serial No. 195,061; published July 1, 1924.
Hollinshed, Chas., Co., Inc., New York, N. Y. Pork, beef, and lard. 189,093; Sept. 9; Serial No. 190,341; published July 1, 1924.
Hudson, William F., Philadelphia, Pa. Baby exercisers. 189,097; Sept. 9; Serial No. 196,594; published July 1, 1924.
Huntsville Warehouse Company, Huntsville, Ala. Animal molasses feeds. 189,027; Sept. 9; Serial No. 197,330; published July 1, 1924.
Hygrade Mechanical Toy Mfg. Co. Inc., Brooklyn, N. Y. Children's vehicles. 188,935; Sept. 9; Serial No. 194,924; published June 24, 1924.
International Worsted Mills, Methuen, Mass. Worsted piece goods. 189,138–9; Sept. 9.
Jig Bushing Company, The, Pontiac, Mich. Bushings, jigs, and reamers. 188,972; Sept. 9; Serial No. 192,487; published July 1, 1924.
Johnson, John A., Minneapolis, Minn. Letter boxes. 189,047; Sept. 9; Serial No. 191,322; published Apr. 22, 1924.
Kallmeyer, Ernst, doing business as Phorosan G. m. b. H., Munich, Germany, and New York, N. Y. Catheters. 189,072; Sept. 9; Serial No. 188,963; published Apr. 15, 1924.
Kann, S., Sons Company, The, Washington, D. C. Japanese straw rugs and fiber and grass rugs. 189,116; Sept. 9; Serial No. 195,522; published July 1, 1924.
Kimble Glass Company, Vineland, N. J., and Chicago, Ill. Graduated chemical and laboratory glassware. 188,982; Sept. 9; Serial No. 196,813; published July 8, 1924.
Kladivko, Elfreda, Bayside, N. Y. Candy. 189,074; Sept. 9; Serial No. 189,980; published July 1, 1924.
Kleinert, I. B., Rubber Company, New York, N. Y. Rubber reducing garments. 188,987; Sept. 9; Serial No. 197,083; published July 8, 1924.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 189,007; Sept. 9; Serial No. 196,308; published July 8, 1924.
Kroehler Mfg. Co., Chicago, Ill. Upholstered furniture. 189,134; Sept. 9.
Lajugie, Paul, Paris, France. Reducing soap. 189,071; Sept. 9; Serial No. 187,824; published Jan. 1, 1924.
Landau, Bernard, doing business as Landau & Steinberg, New York, N. Y. Woolens and worsteds in the piece. 189,013–14; Sept. 9; Serial Nos. 197,156–7; published July 1, 1924.
La Pides, Abraham, doing business as Derby Ginger Ale Company, Inc., Baltimore, Md. Ginger ale. 189,099; Sept. 9; Serial No. 196,529; published July 1, 1924.
Lawrence & Co., Poughkeepsie, N. Y. Wide elastic fabric. 189,115; Sept. 9; Serial No. 195,525; published July 1, 1924.
Lee Lash Films, Mount Vernon and New York, N. Y. Motion-picture films. 188,951; Sept. 9; Serial No. 195,891; published July 8, 1924.
Levitt, Morse D., doing business as Morse D. Levitt Company, New York, N. Y. Woolen piece goods. 189,025; Sept. 9; Serial No. 197,439; published July 8, 1924.
Lilly, Eli, and Company, Indianapolis, Ind. Antitoxins, serums, bacterial vaccines, etc. 189,148; Sept. 9.
Loeh, Albert H., Charlevoix, Mich. Full-cream cheese. 189,029; Sept. 9; Serial No. 197,160; published July 1, 1924.
Long Handkerchief Co., Inc., Passaic, N. J., and New York, N. Y. Handkerchiefs. 189,022; Sept. 9; Serial No. 196,815; published July 1, 1924.
Luckel, King & Cake Soap Company, Portland, Oreg. Laundry soap. 189,057; Sept. 9; Serial No. 166,457; published July 3, 1923.
Ludlow, Frederick D., doing business as Ludlow Laboratories, Chicago, Ill. All-metal polish and polishing cloths. 189,136; Sept. 9.
Lynch, Harry E., Pueblo, Colo. Motor oils. 188,997; Sept. 9; Serial No. 194,404; published June 17, 1924.
Maag, August, Co., The, Baltimore, Md. Bake pans. 188,948; Sept. 9; Serial No. 195,649; published July 1, 1924.
Manufacturers Supplies Company, St. Louis, Mo. Threads. 189,055; Sept. 9; Serial No. 158,635; published July 1, 1924.
Martin Bros. Company, The, Denver, Colo. Cheese and cheese products. 189,009; Sept. 9; Serial No. 196,537; published July 1, 1924.
McElheran, Minnie, Cheyenne, Wyo. Textile towels and tea towels. 189,105; Sept. 9; Serial No. 196,178; published July 1, 1924.
McKnight-Keaton Grocery Co., Cairo, Ill. Canned fruits and vegetables. 189,063; Sept. 9; Serial No. 177,612; published May 8, 1923.
McNair, Louise R., Warsaw, N. Y. Knitted diapers. 188,946; Sept. 9; Serial No. 195,298; published July 1, 1924.
Mechanical Metal Stamping Co., Inc., Brooklyn, N. Y. Sewing-accessory stands. 189,051; Sept. 9; Serial No. 193,673; published June 24, 1924.
Merchants Wholesale Grocery Company, Inc., Philadelphia, Pa. Coffee. 189,076; Sept. 9; Serial No. 195,177; published July 1, 1924.
Merrill & Eldredge, Chicago, Ill. Butter. 189,044; Sept. 9; Serial No. 186,563; published June 24, 1924.
Metropolitan Device Corporation, Brooklyn, N. Y. Rubber tubing. 188,931; Sept. 9; Serial No. 195,975; published June 24, 1924.
Miller, J. E., doing business as J. E. Miller & Co., Chicago, Ill. Lubricants. 189,003; Sept. 9; Serial No. 195,898; published June 17, 1924.
Molloy-Skelly Carpet Company, Inc., The, New York, N. Y. Textile rugs. 189,001; Sept. 9; Serial No. 195,651; published July 8, 1924.
Montague, W. R., Company, The, La Crosse, Wis. Biscuits, crackers, and Dutch-style cookies. 189,037; Sept. 9; Serial No. 167,579; published May 8, 1923.
Moore Fabric Co., Pawtucket, R. I. Knitted, woven, and braided elastic narrow fabric, braid, and tape, and nonelastic braid and tape. 189,049; Sept. 9; Serial No. 192,782; published June 24, 1924.
Morgan Maid Canning Co. (See Reid, Lawrence J., assignor.)
Moss & Lowenhaupt Cigar Co., St. Louis, Mo. Cigars, cigarettes, and smoking tobacco. 189,043; Sept. 9; Serial No. 185,608; published June 24, 1924.
Moxie Company, The, Portland, Me., and Boston, Mass. Beverage and sirup for making the same. 189,066; Sept. 9; Serial No. 178,054; published July 1, 1924.
Murphy, Frank H., doing business as Blossom Mineral Water Co., Paris, Tex. Natural mineral water. 188,928; Sept. 9; Serial No. 196,669; published June 24, 1924.
National Nougat Company, New York, N. Y. Nougat bars. 189,069; Sept. 9; Serial No. 181,205; published Apr. 8, 1924.

National Oil and Supply Company, Newark, N. J. Mops. 189,038; Sept. 9; Serial No. 174,406; published June 24, 1924.
Nelson, Hugh, Columbia Carpet Mills, Philadelphia, Pa. Rugs and carpets. 188,999; Sept. 9; Serial No. 195,067; published July 8, 1924.
Nemmers, Peter J. L., Chicago, Ill. Dental hand-piece sterilizers and sterilizers of dental apparatus. 188,943; Sept. 9; Serial No. 195,120; published July 1, 1924.
Nestor Johnson Mfg. Co., Chicago, Ill. Ice skates. 189,011; Sept. 9; Serial No. 197,288; published July 1, 1924.
Neuhoff, Fred B., Company, San Francisco, Calif. Dried raisins. 189,087; Sept. 9; Serial No. 193,061; published July 1, 1924.
Northern Iowa Oil Company, Cresco, Iowa. Lubricating oils and greases. 189,033; Sept. 9; Serial No. 196,752; published June 17, 1924.
Nugas Corporation, The, Greenwich, Conn. Gas. 189,151; Sept. 9.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 189,018; Sept. 9; Serial No. 197,039; published July 1, 1924.
Olney, William, doing business as William Olney & Company, San Francisco, Calif. Canned fruits. 188,927; Sept. 9; Serial No. 196,755; published June 24, 1924.
Omaha Packing Company, Chicago, Ill. Hams. 189,053; Sept. 9; Serial No. 194,564; published June 24, 1924.
Orange Crush Company, Chicago, Ill. Beverages sold as soft drinks. 189,039; Sept. 9; Serial No. 177,616; published June 24, 1924.
Owen, Charles B., Cleveland, Ohio. Cutting lubricants. 188,998; Sept. 9; Serial No. 194,612; published June 17, 1924.
Pacific Novelty Company, New York, N. Y. Rattles and children's toys. 189,017; Sept. 9; Serial No. 197,042; published July 1, 1924.
Pearson, Robert D., Los Angeles, Calif. Coin-operated door locks. 188,947; Sept. 9; Serial No. 195,458; published July 8, 1924.
Pelzer Manufacturing Company, Boston, Mass. Cotton piece goods. 189,096; Sept. 9; Serial No. 196,711; published July 1, 1924.
Pennzoil Co. Inc., The, Buffalo, N. Y. Lubricants. 189,005; Sept. 9; Serial No. 195,983; published June 24, 1924.
Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 188,990; Sept. 9; Serial No. 177,992; published July 1, 1924.
Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 188,991; Sept. 9; Serial No. 177,994; published July 1, 1924.
Phillips, Dr. P., Company, Orlando, Fla. Citrous fruits. 189,085; Sept. 9; Serial No. 193,624; published July 1, 1924.
Phillips-Jones Corporation, New York, N. Y. Silk, cotton, and silk and cotton piece goods. 189,015; Sept. 9; Serial No. 197,111; published July 1, 1924.
Phorosan G. m. b. H. (See Kallmeyer, Ernst.)
Photo-Record Paper Co. (See Schmidt, C. Fred.)
Pioneer Cotton Mills, The, Guthrie, Okla. Twine, cord, and rope. 189,144; Sept. 9.
Pocahontas Guano Co., Inc., Lynchburg, Va. Fertilizer. 188,950; Sept. 9; Serial No. 195,835; published July 1, 1924.
Portland Linseed Oil Works, Inc., The, Portland, Oreg. Linseed-oil meal. 189,028; Sept. 9; Serial No. 197,167; published July 1, 1924.
Premier Cab Service, Inc., New York, N. Y. Lenses for headlights. 189,101; Sept. 9; Serial No. 196,475; published June 24, 1924.
Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Children's tricycles. 189,016; Sept. 9; Serial No. 197,045; published July 1, 1924.
Rasmussen & Co., Portland, Oreg. Lubricating oils and lubricants. 188,996; Sept. 9; Serial No. 192,421; published June 3, 1924.
Reid, Lawrence J., assignor to Morgan Maid Canning Co., Fort Morgan, Colo. Canned fruits and vegetables. 189,067; Sept. 9; Serial No. 178,925; published July 1, 1924.
Rodway Company, Inc., The, New York, N. Y. Chocolates. 188,925; Sept. 9; Serial No. 196,930; published June 24, 1924.
Rokeach, I., & Sons., Inc., Brooklyn, N. Y. Soaps. 189,058; Sept. 9; Serial No. 167,100; published Mar. 4, 1924.
Royal-Ascot Knitting Mills Company, Philadelphia, Pa. Knitted cloth and fabric of silk, artificial silk, etc. 189,104; Sept. 9; Serial No. 196,197; published July 1, 1924.
Rudginsky, Harry, doing business as Varsity Cord Tire Company, Akron, Ohio, and Boston, Mass. Resilient vehicle tires and inner tubes. 188,930; Sept. 9; Serial No. 196,318; published June 24, 1924.
Rumpf, William, doing business as Fred'k Rumpf's Sons, Langhorne, Pa. Woven fabrics. 189,092; Sept. 9; Serial No. 190,359; published June 24, 1924.
Ruthstrom, Elmer A., doing business as Earco, Seattle, Wash. Pectin. 189,077; Sept. 9; Serial No. 194,948; published July 1, 1924.
St. Louis Pump & Equipment Company, St. Louis, Mo. Hand-operated liquid measuring and dispensing apparatus. 188,944–5; Sept. 9; Serial Nos. 195,136–7; published July 1, 1924.
St. Louis Pump & Equipment Company, St. Louis, Mo. Measuring pumps. 188,964; Sept. 9; Serial No. 183,007; published July 1, 1924.
Samson Plaster Board Company, Buffalo, N. Y. Lime. 188,933; Sept. 9; Serial No. 195,128; published June 24, 1924.
Saunier, Marcian E., Bay City, Mich. Concrete insert. 188,949; Sept. 9; Serial No. 195,653; published July 1, 1924.
Schäll's, Inc., Clinton, Iowa. Candy. 189,113; Sept. 9; Serial No. 195,777; published July 1, 1924.
Schmidt, C. Fred, doing business as Photo-Record Paper Co., Rochester, N. Y. Sensitized photographic paper. 188,939; Sept. 9; Serial No. 194,624; published July 1, 1924.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Chocolates. 189,089; Sept. 9; Serial No. 191,842; published July 1, 1924.
Sec-Moon & Company, Chicago, Ill. Canned vegetables, and fruits, preserved fruits, etc. 189,056; Sept. 9; Serial No. 164,271; published Sept. 25, 1923.
Selrite Products Inc., New York, N. Y. Animated figure toys. 189,068; Sept. 9; Serial No. 179,825; published July 1, 1924.
Shores-Mueller Company, Cedar Rapids, Iowa. Prepared mineral feed for animals. 189,054; Sept. 9; Serial No. 194,738; published June 24, 1924.
Shull Candy Company Inc., Lancaster, Pa. Candy. 189,070; Sept. 9; Serial No. 186,251; published July 1, 1924.
Simmons Hardware Company, St. Louis, Mo. Lubricating oils. 189,032; Sept. 9; Serial No. 196,828; published June 17, 1924.
Simple Device Company. (See Woodward, Henry B.)
Sitroux Importing Co. Inc., New York, N. Y. Hair nets. 189,024; Sept. 9; Serial No. 197,563; published July 8, 1924.
Skeen, D. H., doing business as D. H. Skeen & Company, Chicago, Ill. Valves and regulators. 188,940; Sept. 9; Serial No. 194,675; published July 8, 1924.
Smith, Alfred H., Co. Inc., New York, N. Y. Bottles of glass. 189,118; Sept. 9; Serial No. 195,420; published July 1, 1924.
Sociedad Anonima Cooperativa Alfa, Elbar, Spain. Firearms. 188,929; Sept. 9; Serial No. 196,717; published June 24, 1924.
Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné," Royat, France. Fancy goods, furnishings, and notions. 189,090; Sept. 9; Serial No. 191,415; published June 24, 1924.
South Lake Apopka Citrus Growers Association, Oakland, Fla. Fresh citrous fruits. 189,084; Sept. 9; Serial No. 193,632; published July 1, 1924.
Spartan Saw Works, Springfield, Mass. Metal-cutting saws, particularly hack-saw blades. 188,979; Sept. 9; Serial No. 196,771; published July 1, 1924.
Special Products Laboratory, Inc., O'Fallon, Ill. Flavors and flavoring extracts. 189,062; Sept. 9; Serial No. 174,114; published July 1, 1924.
Standard Oil Company of Louisiana, Baton Rouge, La. Oils, gasoline, lubricants, greases, etc. 188,992; Sept. 9; Serial No. 181,542; published June 3, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece. 189,078; Sept. 9; Serial No. 194,577; published May 27, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece. 189,079; Sept. 9; Serial No. 194,575; published July 1, 1924.
Stein, S., & Co., New York, N. Y. Woolen piece goods. 189,102; Sept. 9; Serial No. 196,355; published July 1, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods. 189,110; Sept. 9; Serial No. 195,841; published July 1, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods. 189,117; Sept. 9; Serial No. 195,423; published July 1, 1924.
Stein, S., & Co., New York, N. Y. Woolen goods. 189,129–31; Sept. 9; Serial Nos. 195,310–12; published July 1, 1924.
Street, John F., & Co., Providence, R. I. Cotton yarns. 189,142; Sept. 9.
Stuart, D. A., & Co., Chicago, Ill. Base oil. 188,993; Sept. 9; Serial No. 187,781; published Jan. 29, 1924.
Summers, Charles G., Jr. Incorporated, Baltimore, Md. and New Freedom, Pa. Canned mixed vegetables, prunes, and canned shrimp. 189,153; Sept. 9.
Suomen Osuuskauppojen Keskuskunta r. l., Helsinki, Finland. Safety matches. 189,064–5; Sept. 9; Serial Nos. 177,928–9; published July 1, 1924.
Superior Pipe Co., Inc., The, New York, N. Y. Smoking pipes. 188,934; Sept. 9; Serial No. 195,027; published June 24, 1924.
Terry, Walter J., Seattle, Wash. Dental supplies. 188,968; Sept. 9; Serial No. 187,028; published July 1, 1924.
Textile Machine Works, Wyomissing, Pa. Knitting-machine needles and points. 188,986; Sept. 9; Serial No. 197,055; published July 1, 1924.

Titan Machine & Mfg. Co., The, Cleveland, Ohio. Honing tools for grinding engine cylinders and the like. 188,954; Sept. 9; Serial No. 196,214; published July 8, 1924.

Turner & Seymour Manufacturing Co., The, Torrington, Conn. Can-opening machines. 188,983; Sept. 9; Serial No. 196,839; published July 1, 1924.

Turner & Walls, New York, N. Y. Cotton piece goods. 189,045; Sept. 9; Serial No. 190,988; published June 24, 1924.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 189,083; Sept. 9; Serial No. 193,740; published July 1, 1924.

Universal Mills, Fort Worth, Tex. Scratch feed. 189,042; Sept. 9; Serial No. 184,008; published Dec. 25, 1923.

Upjohn Company, The, Kalamazoo, Mich. Remedy for whooping cough. 189,156; Sept. 9.

Valve Engineering Company, Cambridge, Mass. Steam traps and spraying devices. 188,961; Sept. 9; Serial No. 179,387; published July 8, 1924.

Van Rossem, J. & A. C., Rotterdam, Netherlands. Smoking tobacco. 189,088; Sept. 9; Serial No. 191,929; published June 24, 1924.

Varsity Cord Tire Company. (See Rudzinsky, Harry.)

Vesdal Creations, Inc., New York, N. Y. Spraying apparatus. 188,956; Sept. 9; Serial No. 196,279; published July 1, 1924.

Vulcan Crucible Steel Company, Aliquippa, Pa. Steel. 188,957; Sept. 9; Serial No. 194,142; published July 1, 1924.

Walliser, H. F., Company, Chicago, Ill. Decorative fabrics. 189,108; Sept. 9; Serial No. 196,090; published July 1, 1924.

Wappler Electric Company, Inc., Long Island City, N. Y. High-frequency electric machines. 188,953; Sept. 9; Serial No. 196,144; published July 8, 1924.

Ward Baking Company, New York, N. Y. Bread. 189,002; Sept. 9; Serial No. 195,788; published July 1, 1924.

Warner, Robert L. L., New York, N. Y. Dental molding material. 188,974; Sept. 9; Serial No. 193,559; published July 8, 1924.

Warner, William R., & Co. (See Doyle, Thomas, Co., assignor.)

Waverly Oil Works Company, Pittsburgh, Pa. Motor fuel. 189,034; Sept. 9; Serial No. 196,685; published June 17, 1924.

Wedgeworth, David S., Saucier, Miss. Tool-gripping devices for pipe sections. 188,984; Sept. 9; Serial No. 196,892; published July 1, 1924.

West Coast Porcelain Manufacturers, Millbrae, Calif. Washbowls, urinals, bathtubs, etc. 188,973; Sept. 9; Serial No. 192,654; published July 1, 1924.

White Showers Inc., Detroit, Mich. Sprinkling equipment for lawns, gardens, etc. 188,952; Sept. 9; Serial No. 196,096; published July 8, 1924.

Woodward, Henry R., doing business as Simple Device Co., Washington, D. C. Nostril expanders. 188,980; Sept. 9; Serial No. 196,782; published July 8, 1924.

Ye-Noh Candy Company, Pittsburgh, Pa. Candy. 189,109; Sept. 9; Serial No. 195,848; published July 1, 1924.

Young, Geo., & Co., Chicago, Ill. Pastime, playground, and indoor balls. 189,050; Sept. 9; Serial No. 193,207; published June 24, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Acaricide Laboratories. (See Smyth, George S.)

Bourke, James W., Baltimore, Md. Antipertusses. For a Medicine for Whooping Cough. 27,807; Sept. 9.

California Peach & Fig Growers, Fresno, Calif. California Fig Bread. For Bread. 27,808; Sept. 9.

Du Bois, Edgar H., doing business as The Great Swiss Candy Mfg. Co., Chicago, Ill. Gudnikel. For Candy. 27,809; Sept. 9.

Fritsch, Theresa, Oakland, Calif. Teddy's Chocolate Covered Peanut Brittle. For a Chocolate-Covered Peanut Brittle. 27,810; Sept. 9.

Gilbert, Spruance, Company, The, Philadelphia, Pa. Best-Jet. For an Automobile Enamel in Black and in Colors and Also a Top and Seat Dressing. 27,811; Sept. 9.

Great Swiss Candy Mfg. Co., The. (See Du Bois, Edgar H.)

Hughes, J. W. H., Monroe, Ga. Hall's Stray-Moll. For Ointment. 27,812; Sept. 9.

Kaltreider Cigar Company, The, Red Lion, Pa. Stone Mountain. For Cigars. 27,813; Sept. 9.

Katz, Sol. W., & Company, Philadelphia, Pa. The Universal Kind-Katz. For Service Pants. 27,814; Sept. 9.

Kellogg's Pep & Zep Products, Inc., New York, N. Y. Zep. For Cereal Breakfast Food. 27,815; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Pep-O-Mint Life Savers. For Candies. 27,816; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Lic-O-Rice Life Savers. For Candies. 27,817; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Vi-O-Let Life Savers. For Candies. 27,818; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Wint-O-Green Life Savers. For Candies. 27,819; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Cl-O-Ve Life Savers. For Candies. 27,820; Sept. 9.

Life Savers, Inc., Port Chester, N. Y. Sample Cinn-O-Mon Life Savers. For Candies. 27,821; Sept. 9.

Della Monica, Joseph, Brooklyn, N. Y. Lion Brand Olive Oil. For Olive Oil. 27,822; Sept. 9.

Heinle's Tackle Box. (See Schwartz, Hilbert C.)

National Carbon Company, Inc., New York, N. Y. Eveready Radio "B" Battery. For Electric Batteries. 27,823–5; Sept. 9.

National Carbon Company, Inc., New York, N. Y. Eveready Radio "C" Battery. For Electric Batteries. 27,826; Sept. 9.

National Carbon Company, Inc., New York, N. Y. Eveready Radio "B" Battery. For Electric Batteries. 27,827; Sept. 9.

Padway, M. N., doing business as M. N. Padway & Company, Milwaukee, Wis. Farmer & Workman Overalls. For Overalls. 27,828–9; Sept. 9.

Patterson, M. F., Dental Supply Company, St. Paul, Minn. No. 3 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. 27,830; Sept. 9.

Patterson, M. F., Dental Supply Company, St. Paul, Minn. No. 4 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. 27,831; Sept. 9.

Patterson, M. F., Dental Supply Company, St. Paul, Minn. No. 2 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. 27,832; Sept. 9.

Patterson, M. F., Dental Supply Company, St. Paul, Minn. No. 1 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. 27,833; Sept. 9.

Saisselin, Edward L., Oswego, N. Y. Super-head lettuce. For Lettuce. 27,834; Sept. 9.

Schwartz, Hilbert C., doing business as Heinle's Tackle Box, Park Rapids, Minn. Be good to the fish—don't tear their mouths. For Fish-Mouth Openers and Holders. 27,835; Sept. 9.

Severin, A. L., Albert Lea, Minn. Wormolene. For a Hog Remedy. 27,836; Sept. 9.

Smyth, George S., doing business as Acaricide Laboratories, Chicago, Ill. Acaricide. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. 27,837; Sept. 9.

Vagasan Compounding Company, Tulsa, Okla. Vagasan. For a Sanitary Douche Powder to be Used as an Antiseptic, Germicide, Astringent, Deodorant. 27,838; Sept. 9.

Wernet Dental Mfg. Co., Inc., New York, N. Y. Dr. Wernet's Powder. For Powder to Hold False Teeth Firmly in Place. 27,839; Sept. 9.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Acaricide Laboratories. (See Smyth, George S.)

Edison Lamp Works of General Electric Co., Harrison, N. J. Edison Mazda Lamps. For Mazda Lamps. 7,579; Sept. 9.

Ink-Out Mfg. Co., Inc., Montclair, N. J. Ink-Out. For Ink Eradicators. 7,580; Sept. 9.

Neiman-Marcus Company, Dallas, Tex. Inwood. For Ladies' Ready-to-Wear Clothing. 7,581; Sept. 9.

Nifty-Jiffy Corporation, Atlanta, Ga. Nifty Jiffy Self Service Grocery System. For the Fixtures, Show Cases, Shelves, Turnstile, Railings, and Other Equipment of Self-Service Stores. 7,582; Sept. 9.

Smyth, George S., doing business as Acaricide Laboratories, Chicago, Ill. Acaricide. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. 7,583; Sept. 9.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aerial Cutlery Manufacturing Co., The, Marinette, Wis. Pocketknives, razors, carving sets, etc. 199,735; Sept. 9.

All-Felt Mattress Co., Indianapolis, Ind. Mattresses. 199,594; Sept. 9.

American Catholic Builders Co. (See Kuzlak, Edward.)

American Crayon Company, The, Sandusky, Ohio. Paper pencils. 199,595; Sept. 9.

American Crayon Company, The, Sandusky, Ohio. Dustless chalk. 199,596–7; Sept. 9.

American Cyanamid Company, New York, N. Y. Animal, insect, and vermin exterminator. 199,769; Sept. 9.

American Tripoli Company, Seneca, Mo. Tripoli flour, washing powder, soaps. 200,172; Sept. 9.

American Tripoli Company, Seneca, Mo. Tripoli filter stones, pressure, siphon, and disk filters. 200,173; Sept. 9.

Anton, Mark, Mfg. Co., Belleville, N. J. Luggage carriers for automobiles. 198,106; Sept. 9.

Appleby Bros., Fayetteville, Ark. Canned vegetables. 194,242; Sept. 9.

Armstrong-Kilbourne, Inc., Minneapolis, Minn. Title of a monthly publication. 198,280; Sept. 9.

Artsilk Knitting Mills, West New York, N. J. Knitted cloth and fabric in the piece. 199,873–4; Sept. 9.

Associated Oil Company, San Francisco, Calif. Soap, washing fluid, scouring powder, and cleaning solution. 200,029; Sept. 9.

Auerbach & Guettel, doing business as The Palace Clothing Company, Kansas City, Mo. Men's and boys' suits. 192,103; Sept. 9.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 200,803; Sept. 9.

Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 199,206; Sept. 9.

Barry, James F., Dallas, Tex. Razors and blades therefor. 192,207; Sept. 9.

Baye-Kerrs Company, The. (See Magliato, Henry.)

Bechtold, Charles, Brooklyn, N. Y. Dental caps, crowns, and bridges. 198,281; Sept. 9.

Becker, Eulalee D., New York, N. Y. Waists, blouses, dresses. 177,541; Sept. 9.

Bedrosian, Nshan B., doing business as Massasoit Chemical Co., Providence, R. I. External ointment. 200,418; Sept. 9.

Beldt Brassiere Co., Inc., Brooklyn, N. Y. Brassières. 198,834; Sept. 9.

Bertram, Edward R., doing business as Lumo-Glo. Mfg. Co., Pueblo, Colo. Polish for aluminum. 199,274; Sept. 9.

Bestmade Silk Hosiery Co., Shelby, Pa. Silk hosiery. 198,171; Sept. 9.

Betty Products Company, Hartford, Conn. Game. 192,302; Sept. 9.

Biggi, Antonio, Long Island City, N. Y. Marble in the rough. 197,988; Sept. 9.

Birks, Crawford & Lindsay, Ltd., Vancouver, British Columbia, Canada. Canned salmon. 181,723; Sept. 9.

Bister, John, New York, N. Y. Umbrella cloth. 197,249; Sept. 9.

Blackett, Hill, Chicago, Ill. Tooth paste. 200,420; Sept. 9.

Blatz Products Company, Milwaukee, Wis. Malt extract for food purposes. 199,672; Sept. 9.

Blechman, S., & Sons Inc., New York, N. Y. Clothing. 184,158; Sept. 9.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 200,421; Sept. 9.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 200,472–5; Sept. 9.

Böhm, Conrad R., Berlin-Wilmersdorf, Germany. Medicaments to heal and prevent diseases of the skin and the tissues. 196,851; Sept. 9.

Boston Excelsior Company, New York, N. Y., and Boston, Mass. Batts, burlap, cotton, excelsior, etc. 199,522; Sept. 9.

Bowman, Geo. H., Co., The, Cleveland, Ohio. Miniature aluminum cooking utensils. 199,973; Sept. 9.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,652; Sept. 9.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,658; Sept. 9.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 200,661; Sept. 9.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 199,636; Sept. 9.

Bradford Oil Refining Co., Bradford, Pa. Motor oils. 197,700; Sept. 9.

Braun, Allo M., doing business as A. M. Braun, Far Rockaway, N. Y. Toilet preparations. 200,476; Sept. 9; Braxold Co. (See Whittlesey, Grant.)

Buffalo Foundry & Machine Co., Buffalo, N. Y. Calandrias, concentrators, condensers, etc. 188,292; Sept. 9.

Burnett, George B., & Son, New York, N. Y. Men's and boys' hats. 198,841; Sept. 9.

Burton, Price & Company, Inc., New York, N. Y. Silk piece goods, silk ribbons, and velvet piece goods. 198,982–3; Sept. 9.

Business Publications Co. (See Portser, Ada E.)

Cadet Knitting Company, Philadelphia, Pa. Collars for sweaters. 199,218; Sept. 9.

Central Scientific Co., Chicago, Ill. Vacuum pumps. 200,090; Sept. 9.

Character Case Company. (See Guggenheim, Eli.)

Chesterfield Shirt Company, Louisville, Ky. Men's and boys' dress shirts and men's athletic underwear. 199,149; Sept. 9.

Chi-Gee Drug Products. (See Crist, Mrs. Fred H.)

Clear Rock Mineral Company. (See Crowe, John C.)

Coffey, Leland B., doing business as Creo-Lyptus Co., Kansas City, Mo. Medicinal preparation for coughs, colds, and bronchial asthma. 199,677; Sept. 9.

Columbia Mantel Co., Brooklyn, N. Y. Cabinets for talking machines and radio sets. 200,246; Sept. 9.

Continental Company, The, Detroit, Mich. Screen doors and window screens, combination screen and storm doors, etc. 196,790; Sept. 9.

Cook, H. C., Company, The, Ansonia, Conn. Hack-saw blades and frames. 194,051; Sept. 9.

Correct Container Co., Cincinnati, Ohio. Containers of paper, etc., for shipping and storing food products and similar articles. 174,561; Sept. 9.

Creo-Lyptus Co. (See Coffey, Leland B.)

Crist, Mrs. Fred H., doing business as Chi-Gee Drug Products, Fort Worth, Tex. Medicine used as a stomach and bowel antiseptic. 199,041; Sept. 9.

Crowe, John C., doing business as Clear Rock Mineral Company, Indianapolis, Ind. Mineral salts. 197,658; Sept. 9.

Crystal Mills, Inc., West New York, N. J. Knitted cloth and fabric in the piece. 199,881; Sept. 9.

Cutler, Geo. E., New York, N. Y. Eggs. 196,728; Sept. 9.

Dairy Laboratories, The, Philadelphia, Pa. Cultures for making starter in the manufacture of buttermilk, butter, etc. 199,609; Sept. 9.

Davis, W. B., & Son, Inc., Fort Payne, Ala. Hosiery. 199,045; Sept. 9.

Dearborn Company, The, Chicago, Ill. Children's toy vehicles and furniture, dolls, etc. 182,500; Sept. 9.

Del Marvin, Ina, Detroit, Mich. Cosmetics. 197,891; Sept. 9.

Devoe & Raynolds Co., Inc., New York, N. Y. Liquid cleaning fluid. 197,709; Sept. 9.

Doran, William F., doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Rim and auxiliary lamp for electric automobile .head lamps 194,341; Sept. 9.

Douglas Motors Limited, Kingswood, Bristol, England. Axle caps for vehicles, coach ironmongery, etc. 180,656; Sept. 9.

Dry-Cle-So Soap Co., The, Canton, Ohio. Dry-cleaner's soap. 199,542; Sept. 9.

Dyestuffs Corporation of America, Boston, Mass. Dyestuffs, dyewoods, and dyewood extracts, etc. 197,588; Sept. 9.

Eastman Kodak Company, Rochester, N. Y. Photographic sensitized materials. 200,434–6; Sept. 9.

Eastman Kodak Company, Rochester, N. Y. Photographic films. 200,483; Sept. 9.

Eddie Mill & Elevator Co., Oklahoma City, Okla. Poultry feed. 199,465; Sept. 9.

Eline's Incorporated, Milwaukee, Wis. Chocolate. 198,296–7; Sept. 9.

Embossing Company, The, Albany, N. Y. Game of Chinese dominoes. 199,466; Sept. 9.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing pens of all kinds. 199,777; Sept. 9.

Factor, Max, doing business as Max Factor & Company Los Angeles, Calif. Brilliantine in salve form pomade, and hair tonic. 193,097; Sept. 9.

Furnett, John, Syracuse, N. Y. Ointment used in th treatment of piles, burns, boils, etc. 197,590; Sept. 9.

Fawcett, Will S., El Centro, Calif. Fresh cantaloupes lettuce, and grapes. 184,717; Sept. 9.

Felix, Edgar H., New York, N. Y. Section of a periodical publication. 199,280; Sept. 9.

Fields, Joseph A., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 198,630; Sept. 9.

First Aid Specialty Company, Inc., New York, N. Y. First-aid kits of medicinal and surgical supplies. 191,682; Sept. 9.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fisher Governor Company, The, Marshalltown, Iowa. Valves and valve seats. 200,042; Sept. 9.

Fleischer, L., & Sons, Cincinnati, Ohio. Ribbon on reels or in bolts. 183,103; Sept. 9.

Flugelman, N., & Co. Inc., New York, N. Y. Cotton and silk and cotton-mixture piece goods. 199,281; Sept. 9.

Foreign Manufacturers Sales Corporation, New York, N. Y. Toy boxes for cigarettes and matches. 198,130; Sept. 9.

Frances Negligee Company, New York, N. Y. Kimonos and negligees. 198,853–4; Sept. 9.

Fuchs, Joseph J., doing business as Tourists Pride Manufacturing Co., Minneapolis, Minn. Fan belts, automobile tires, inner tubes, blow-out patches, etc. 198,941; Sept. 9.

General Coal Company, Wilmington, Del., and Philadelphia, Pa. Coal and coke. 199,421; Sept. 9.

General Optical Company, Inc., Mount Vernon, N. Y. Chairs and cabinets used in the practice of ophthalmology. 197,023; Sept. 9.

Glover, H. Clay, Co., Inc., New York, N. Y. Animal medicines. 199,551; Sept. 9.

Godfrey, E. R., & Sons Co., Milwaukee, Wis. Canned goods, evaporated milk, coffee, and powdered sugar. 199,687; Sept. 9.

Goodrich, William O., Company, Milwaukee, Wis. Linseed-oil meal and cake. 195,819; Sept. 9.

Graham Paper Company, St. Louis, Mo. Carpet felt. 197,878; Sept. 9.

Grand Central Wicker Shop, Inc., New York, N. Y. Wicker furniture. 198,568; Sept. 9.

Grey, James P., & Co., Hendersonville, N. C. Hosiery. 198,944; Sept. 9.

Guggenheim, Eli, doing business as Character Case Company, Cincinnati, Ohio. Receptacle designed for containing apparatus and paraphernalia used in a game and racks used therewith. 192,570; Sept. 9.

Haas Brothers, San Francisco, Calif. Canned fruits, vegetables, and fish. 200,681; Sept. 9.

Hadfield, Walton J., Sheffield, England. Manufactures from mineral and other substances for use in road making, etc. 195,446; Sept. 9.

Halford, Winfred H., doing business as Halford Co., Somerville, Mass. Beverage and extracts for making same. 190,502; Sept. 9.

Hardware Dealers Magazine, Inc., New York, N. Y. Monthly magazine. 193,459; Sept. 9.

Hargrave, George F., doing business as Hargrave Medicine Co., North Little Rock, Ark. Expectorant solution. 200,197; Sept. 9.

Hayes-Meserole Mfg. Co. Inc., The, Milford, Conn. Hair curlers. 198,407; Sept. 9.

Health Swing Co., Inc., Seattle, Wash. Swings. 196,163; Sept. 9.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 183,291; Sept. 9.

Herbert Packing Co., Inc., San Jose, Calif. Canned fruits and vegetables. 200,444; Sept. 9.

Herriott Polish Company, The, St. Louis, Mo. Preparations for cleaning, shining, and polishing shoes, etc. 190,171; Sept. 9.

Hockmeyer, Clive E., Lowell, Mass. Leggings, knickerbockers, children's rompers, etc. 195,642; Sept. 9.

Hoffmann-Hayman Coffee Co., San Antonio, Tex. Tea. 197,935; Sept. 9.

Hollingsworth, William, doing business as Vigor Tone Sales Company, Fort Worth, Tex. Medicine for rheumatism and stomach trouble. 200,498; Sept. 9.

Hopkins', B. A., Sons, Sodus, N. Y. Pancake flour. 200,319; Sept. 9.

Hunt, Helm, Ferris & Co., Harvard, Ill. Children's wagons, scooters, and cars. 189,787; Sept. 9.

Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 199,004; Sept. 9.

Huttner-Nelson & Co., Chicago, Ill. Hand soap. 199,701; Sept. 9.

Independent Baking Company, Davenport, Iowa. Sugar-wafer bar. 197,939; Sept. 9.

Independent Oil Marketing Co., Minneapolis, Minn. Light and heavy fuel oils. 196,869; Sept. 9.

Independent Refining Company, Oil City, Pa. Motor oils, kerosene, gasoline, and illuminating oils. 199,477; Sept. 9.

International Corset Company, Aurora, Ill. Corsets. 199,005; Sept. 9.

International Safety Razor Corporation, Bloomfield, N. J. Safety-razor blade. 198,188; Sept. 9.

Ipswich Mills, Boston, Mass. Hosiery. 199,116; Sept. 9.

Island Creek Coal Company, Portland, Me., and Huntington, W. Va. Coal. 198,525; Sept. 9.

Jewell Nursery Company, Lake City, Minn. Nursery stock. 183,486; Sept. 9.

Jewettville Clay Products Company, Inc., Jewettville, N. Y. Brick. 197,485; Sept. 9.

Jordan, W. H. & E., Jr., Mfg. Co., Philadelphia, Pa. Insecticide. 191,073; Sept. 9.

Joy Wear, New York, N. Y. Negligees, breakfast coats, kimonos, bed jackets, etc. 195,003; Sept. 9.

Kable-Spalding Company, Mount Morris and Chicago, Ill. Monthly magazine. 199,556; Sept. 9.

Kaltenbach & Stephens, Inc., New York, N. Y. Silk and satin ribbons in the piece. 200,647; Sept. 9.

Kann, William L., Pittsburgh, Pa. Fruit juices for making soft drinks. 173,330; Sept. 9.

Kent-Moore Organization, Detroit, Mich. Burnishing compounds. 200,264; Sept. 9.

Keystone Lubricating Company, Philadelphia, Pa. Oils and greases. 199,791; Sept. 9.

Keystone Varnish Company, Brooklyn, N. Y. Oil paint. 195,179; Sept. 9.

Keystone Varnish Company, Brooklyn, N. Y. Paste paint. 200,360; Sept. 9.

Keystone Varnish Company, Brooklyn, N. Y. Wall paints. 200,361; Sept. 9.

Klusbergen, Rosa, doing business as Mme. Reiss, New York, N. Y. Ladies' hats. 199,230; Sept. 9.

Knitted Textiles Corporation, New York, N. Y. Knitted cloth and fabric in the piece. 199,894; Sept. 9.

Knochel, Ulysses S., Baltimore, Md. Variable air condensers for radio and wireless telegraphy apparatus. 198,240; Sept. 9.

Kresge, S. S., Company, Detroit, Mich. Corsets. 198,646; Sept. 9.

Kuziak, Edward, doing business as American Catholic Builders Co., New York, N. Y. Cement composition. 191,888; Sept. 9.

La-Bay Mfg. Co. (See Morehouse, L. M.)

Lake Mills Canning Company, Lake Mills, Iowa. Canned corn. 200,563; Sept. 9.

Lane, John, doing business as Magic Wypoff Manufacturing Company, Detroit, Mich. Cleansers for painted, enamel d, and lacquered surfaces. 194,605; Sept. 9.

LasSar, Edward L., doing business as Pretty Baby Hosiery Co., Cleveland, Ohio. Hosiery, underwear, etc. 199,171; Sept. 9.

Lebedjeff, Y. V., Inc., New York, N. Y. Salt-cured smoked ham and bacon, canned caviar, and Camembert cheese. 195,526; Sept. 9.

Levi & Seligman, Inc., Brooklyn, N. Y. Silk knitted cloth in the piece. 200,328–9; Sept. 9.

Lorraine Manufacturing & Importing Company, Grand Haven, Mich. Hair nets. 199,706; Sept. 9.

Lumo-Glo Mfg. Co. (See Bertram, Edward R.)

Madeleine Vionnet Models, Inc., New York, N. Y. Gowns, suits, dresses, coats, etc. 194,725–6; Sept. 9.

Madison Woolen Co., Madison, Me. Woolen piece goods. 196,535; Sept. 9.

Magic Wypoff Manufacturing Company. (See Lane, John.)

Magliato, Henry, doing business as The Baye-Kerrs Company, New York, N. Y. Eye balsam. 200,456; Sept. 9.

Mallory Hat Company, The, Danbury, Conn. Hats. 199,368–9; Sept. 9.

Mallory Hat Company, The, Danbury, Conn. Hats. 199,372; Sept. 9.

Mallory Hat Company, The, Danbury, Conn. Hats. 199,376; Sept. 9.

Martin, Walter S., Canton, N. C. Medicinal preparation. 200,336; Sept. 9.

Massasoit Chemical Co. (See Bedrosian, Nshan B.)

McLellan Stores Company, New York, N. Y. Hosiery. 199,074–5; Sept. 9.

Meier, Louis, Detroit, Mich. Gears. 199,641; Sept. 9.

Mexican Petroleum Corporation of Louisiana, Inc., New Orleans, La. Gasoline, lubricating oils and greases. 198,580; Sept. 9.

Midland Tar Distillers Limited, The, Birmingham, England. Accelerators of vulcanization of rubber, gutta percha, and balata goods. 198,080; Sept. 9.

Miller, Albert, & Co., Chicago, Ill. Potatoes. 190,025; Sept. 9.

Miller, H. W., & L. P., Paw Paw, W. Va. Fresh deciduous fruits. 198,662; Sept. 9.

Morehouse, L. M., doing business as La-Bay Mfg. Co., San Francisco, Calif. Solution used as a mouth wash. 194,202; Sept. 9.

Myrurgia S. A., Barcelona, Spain. Massage cream, perfumery, etc. 184,090; Sept. 9.

National Association of Leather Glove and Mitten Manufacturers, Utica, N. Y. Leather gloves. 199,291–2; Sept. 9.

National Electric Manufacturing Co., Pittsburgh, Pa. Lubricants. 199,757; Sept. 9.

National Trading Company, Chicago, Ill. Hair nets. 198,533; Sept. 9.

Nelson Knitting Company, Rockford, Ill. Hosiery. 199,293; Sept. 9.

Nelson Knitting Company, Rockford, Ill. Hosiery. 199,296–306; Sept. 9.

Nelson Knitting Company, Rockford, Ill. Hosiery. 199,308–13; Sept. 9.

Northwestern Motor Company, Eau Claire, Wis. Railway motor cars. 198,026; Sept. 9.

Oriental Medicine Co. (See Zlani, Auguste.)

P D Q Laboratories. (See Winikates, Catherine.)

Palace Clothing Company, The. (See Auerbach & Guettel.)

Payne, Walter W., Huntington, W. Va. Animal feed. 199,242; Sept. 9.

Pennsylvania Flooring and Manufacturing Co., Philadelphia, Pa. Lumber. 199,901; Sept. 9.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Pennzoil Company of California, The, Los Angeles, Calif. Containers for lubricating oils. 188,060; Sept. 9.

Peters Cartridge Company, The, Cincinnati, Ohio. Shotgun shells and wads. 199,493; Sept. 9.

Phillips Genuine Sausage Co., Washington, D. C. Hams, bacon, sausage, and lard. 198,249; Sept. 9.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 198,958; Sept. 9.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Cement. 184,419; Sept. 9.

Plummer, A. Newton, Corporation, New York, N. Y. Daily news letter. 179,622; Sept. 9.

Pollard Oil Company, Inc., Sioux City, Iowa. Fuel oils. 200,689–90; Sept. 9.

Portser, Ada E., doing business as Business Publications Co., New York, N. Y. Magazines. 183,990; Sept. 9.

Prescott, J. L., Company, New York, N. Y. Shoe dressing. 199,801; Sept. 9.

Pretty Baby Hosiery Co. (See LasSar, Edward L.)

Prince, H. G., & Co., Fruitvale, Oakland, Calif. Canned fruits, berries, vegetables, and tomato catchup. 199,720; Sept. 9.

Reinforced Concrete Company, St. Louis, Mo. Socket inserts, continuous stirrups, and centering for reenforced concrete. 198,679; Sept. 9.

Reiss, Mme. (See Klusbergen, Rosa.)

Remiller Co., The, New York, N. Y. Talcum powder. 200,223; Sept. 9.

Robinson, H. A., Company, Inc., Lynchburg, Va. Roasted and salted peanuts in package and bulk. 198,681; Sept. 9.

Rookledge, Percival L., Livingston, Calif. Shoe polish. 175,108; Sept. 9.

Rosenblatt, Louis C., New York, N. Y. Ladies' frocks. 198,886; Sept. 9.

Royal Ventilator Company, Philadelphia, Pa. Ventilators. 199,764; Sept. 9.

Runkel Brothers, Inc., New York, N. Y. Chocolate-flavored malted food preparation. 199,647; Sept. 9.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 195,192; Sept. 9.

Scholl Manufacturing Company, Inc., Chicago, Ill. Ointments and other pharmaceutical preparations for corns. 199,249; Sept. 9.

Scholl Manufacturing Company, Inc., Chicago, Ill. Heel supports and pads. 199,250; Sept. 9.

Schremp, Edward J., Rochester, N. Y. Knitted underwear and bathing suits. 196,480; Sept. 9.

Scofield, Evans and Company, Chicago, Ill. Wood fillers. 200,694; Sept. 9.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 200,374; Sept. 9.

Sherman & Sons Company, New York, N. Y. Cotton voile and cotton flock voile in pieces. 196,933; Sept. 9.

Sherwood Bros. Inc., Baltimore, Md. Lubricating oils and greases. 192,043;

Sidenberg, G., & Co., New York, N. Y. Cotton piece goods. 167,369; Sept. 9.

Simson & Frey, Inc., New York, N. Y. Music stands. 199,650; Sept. 9.

Stanard Tilton Milling Co., St. Louis, Mo. Corn meal. 199,577; Sept. 9.

Stanard Tilton Milling Co., St. Louis, Mo. Corn meal, corn chops, corncob meal, and grits. 199,578; Sept. 9.

Standard Oil Company of New York, New York, N. Y. Petroleum and products. 200,290; Sept. 9.

Standard Pyroxoloid Corporation, Leominster, Mass. Sheets, rods, and tubes of celluloid. 197,504; Sept. 9.

Standard Rice Company, Inc., Houston, Tex. Rice. 198,091; Sept. 9.

Strouse, Adler & Co., New Haven, Conn. Corsets and brassière corsets. 199,194; Sept. 9.

Sunset Carpet Cleaning & Storage Corporation, New York, N. Y. Cleaning powder. 198,725; Sept. 9.

Swift and Company, Chicago, Ill. Cooked tongue and meat roll, sausage, etc. 200,783; Sept. 9.

Tacoma Grain Co., Tacoma, Wash. Wheat flour. 199,864; Sept. 9.

Taunton-New Bedford Copper Company, Taunton, Mass. Sheets of brass or copper or alloy thereof, bronze sheets or rods, etc. 199,865; Sept. 9.

Terpinas, Mike N., doing business as Terpinas Chemical Company, Frankfort, Ind. Soap, metal polish, and straw and Panama cleaner. 199,404; Sept. 9.

Theatre Guild, Inc., The, New York, N. Y. Printed books of a series. 171,393; Sept. 9.

Theatre Guild, Inc., New York, N. Y. Printed books of a series. 180,509; Sept. 9.

Tourists Pride Manufacturing Co. (See Fuchs, Joseph J.)

Tremley Oil Co., Inc., New York, N. Y. Gasoline. 200,734; Sept. 9.

Troy Belting & Supply Company, The, Troy, N. Y. Lubricating oil. 199,959; Sept. 9.

Tucker & Simmons, Ocala, Fla. Fresh tomatoes. 197,970; Sept. 9.

Underwood-Talmage Co., The, Dayton, Ohio. Chewing gum. 199,407; Sept. 9.

Universal Optical Corporation, Providence, R. I. Spectacles, eyeglasses, goggles, etc. 161,906–7; Sept. 9.

Valley Butter Company, Pittsburgh, Pa. Creamery butter. 200,466–7; Sept. 9.

Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, smoking and chewing tobacco. 200,588; Sept. 9.

Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, smoking and chewing tobacco. 200,590; Sept. 9.

Vigor Tone Sales Company. (See Hollingsworth, William.)

Voigt, William A., Toledo, Ohio. Dental cement. 199,333; Sept. 9.

Walsh, Mae L., Hartford, Conn. Knitted or textile underwear. 198,436; Sept. 9.

Washington, George, Stone Corporation, Alexandria, Va. Building stone. 199,811–12; Sept. 9.

Watkins, J. R., Co., The, Winona, Minn. Soaps, soap jelly, powder, flakes, and creams. 190,075; Sept. 9.

Watkins, J. R., Co., The, Winona, Minn. Medicinal compounds. 200,468; Sept. 9.

Whittlesey, Grant, doing business as Braxold Co., Buffalo, N. Y. Compound for brake lining. 199,815; Sept. 9.

Wiener, William E., Inc., New York, N. Y. Silk piece goods. 200,648; Sept. 9.

Wile, E. J., & Co., New York, N. Y. Coats and suits. 192,204; Sept. 9.

Williams, Percy B. T., Philadelphia, Pa. Combined hand and nail toilet brushes. 198,976; Sept. 9.

Wilson Laboratories, The, Chicago, Ill. Preparation to be used in the treatment of secondary anæmia. 199,593; Sept. 9.

Winikates, Catherine, doing business as P D Q Laboratories, Chicago, Ill. Salve. 192,231; Sept. 9.

Zlani, Auguste, doing business as Oriental Medicine Co. Windsor, Ontario, Canada. Medicine, a nerve tonic and blood purifier. 195,033; Sept. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Boxes, Letter. J. A. Johnson. 189,047; Sept. 9; Serial No. 191,322; published Apr. 20, 1924.

CLASS 4.

Metal polish and polishing cloths, All-. F. D. Ludlow. 189,136; Sept. 9.

Soap, Laundy. Luckel, King & Cake Soap Company. 189,057; Sept. 9; Serial No. 166,457; published July 3, 1923.

Soap, Reducing. P. Lajugie. 189,071; Sept. 9; Serial No. 187,824; published Jan. 1, 1924.

Soaps. I. Rokeach & Sons, Inc. 189,058; Sept. 9; Serial No. 167,100; published Mar. 4, 1924.

CLASS 6.

Biological preparations. Eli Lilly and Company. 189,148; Sept. 9.

Gas. Nugas Corporation. 189,151; Sept. 9.

Laxative. Thomas Doyle Co. 189,091; Sept. 9; Serial No. 190,875; published June 3, 1924.

Medicinal tonics. American Drug Co. 189,154; Sept. 9.

Remedy for whooping cough. Upjohn Company. 189,156; Sept. 9.

CLASS 7.

Twine, cord, and rope. Pioneer Cotton Mills. 189,144; Sept. 9.

CLASS 8.

Pipes, Smoking. Superior Pipe Co. 188,934; Sept. 9; Serial No. 195,027; published June 24, 1924.

CLASS 9.

Firearms. Sociedad Anonima Cooperative Alfa. 188,929; Sept. 9; Serial No. 196,717; published June 24, 1924.

Matches. Diamond Match Company. 189,098; Sept. 9; Serial No. 196,582; published June 24, 1924.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta r. l. 189,064–5; Sept. 9; Serial No. 177,928–9; published July 1, 1924.

CLASS 10.

Fertilizer. American Agricultural Chemical Company. 188,978; Sept. 9; Serial No. 196,421; published July 8, 1924.

Fertilizer. Pocahontas Guano Co. 188,950; Sept. 9; Serial No. 195,835; published July 1, 1924.

CLASS 12.

Eaves troughs, gutters, eaves-trough outlets, etc. Berger Bros. Company. 188,937; Sept. 9; Serial No. 194,775; published June 24, 1924.
Lime. Samson Plaster Board Company. 188,933; Sept. 9; Serial No. 195,128; published June 24, 1924.

CLASS 13.

Concrete insert. M. E. Saunier. 188,949; Sept. 9; Serial No. 195,653; published July 1, 1924.
Grills, Cooking. Darmac Company. 188,988; Sept. 9; Serial No. 197,137; published July 8, 1924.
Pans, Bake. August Maag Co. 188,948; Sept. 9; Serial No. 195,649; published July 1, 1924.
Shade or window-blind rollers. Window-. Hagiung & Söners Handels- & Fabriksaktiebolag. 188,958; Sept. 9; Serial No. 180,335; published July 8, 1924.
Sprinkling equipment for lawns, gardens, etc. White Showers Inc. 188,952; Sept. 9; Serial No. 196,096; published July 8, 1924.
Steam traps and spraying devices. Valve Engineering Co. 188,961; Sept. 9; Serial No. 179,387; published July 8, 1924.
Tank balls. Essex Rubber Company. 189,143; Sept. 9.
Valves and cocks. Edna Brass Mfg. Co. 188,981; Sept. 9; Serial No. 196,796; published July 8, 1924.
Valves and regulators. D. H. Skeen. 188,940; Sept. 9; Serial No. 194,675; published July 8, 1924.
Washbowls, urinals, bathtubs, etc. West Coast Porcelain Manufacturers. 188,973; Sept. 9; Serial No. 192,654; published July 1, 1924.

CLASS 14.

Bearing metals. A. W. Cadman Manufacturing Co. 188,970; Sept. 9; Serial No. 188,584; published July 1, 1924.
Castings, etc., Brass and bronze. William Cramp & Sons Ship & Engine Building Co. 188,965–6; Sept. 9; Serial Nos. 185,956–7; published July 1, 1924.
Metals and nonferrous-metal castings and forgings, Nonferrous. William Cramp & Sons Ship & Engine Building Co. 188,967; Sept. 9; Serial No. 185,959; published July 1, 1924.
Steel. Vulcan Crucible Steel Company. 188,957; Sept. 9; Serial No. 194,142; published July 1, 1924.

CLASS 15.

Fuel, Motor. Waverly Oil Works Company. 189,034; Sept. 9; Serial No. 196,685; published June 17, 1924.
Gasoline and blended motor fuel. Acme Oil Co. of Alabama. 189,006; Sept. 9; Serial No. 196,001; published June 17, 1924.
Gasoline, motor oils, distillate, etc. Hercules Gasoline Co. 188,994; Sept. 9; Serial No. 189,779; published Apr. 29, 1924.
Kerosene. Factory Oil Company. 189,008; Sept. 9; Serial No. 196,447; published June 24, 1924.
Lubricants. J. E. Miller. 189,003; Sept. 9; Serial No. 195,898; published June 17, 1924.
Lubricants. Pennzoil Co. 189,005; Sept. 9; Serial No. 195,983; published June 24, 1924.
Lubricants, Cutting. C. B. Owen. 188,998; Sept. 9; Serial No. 194,612; published June 17, 1924.
Oil, Base. D. A. Stuart & Co. 188,993; Sept. 9; Serial No. 187,781; published Jan. 29, 1924.
Oils and greases, Lubricating. Northern Iowa Oil Company. 189,033; Sept. 9; Serial No. 196,752; published June 17, 1924.
Oils and lubricants, Lubricating. Rasmussen & Co. 188,996; Sept. 9; Serial No. 192,421; published June 3, 1924.
Oils, gasoline, lubricants, greases, etc. Standard Oil Company of Louisiana. 188,992; Sept. 9; Serial No. 188,992; published June 3, 1924.
Oils, Lubricating. Simmons Hardware Company. 189,032; Sept. 9; Serial No. 196,828; published June 17, 1924.
Oils, Motor. H. E. Lynch. 188,997; Sept. 9; Serial No. 194,404; published June 17, 1924.

CLASS 17.

Cigars, cigarettes, and smoking tobacco. Moss & Lowenhaupt Cigar Co. 189,043; Sept. 9; Serial No. 185,608; published June 24, 1924.
Tobacco, Smoking. P. J. Carroll and Company Limited. 189,114; Sept. 9; Serial No. 195,633; published June 24, 1924.
Tobacco, Smoking. J. & A. C. van Rossem. 189,088; Sept. 9; Serial No. 191,929; published June 24, 1924.

CLASS 22.

Baby exercisers. W. F. Hudson. 189,097; Sept. 9; Serial No. 196,594; published July 1, 1924.
Balls. Geo. Young & Co. 189,050; Sept. 9; Serial No. 193,207; published June 24, 1924.
Cards, Playing. United States Playing Card Company. 189,083; Sept. 9; Serial No. 193,740; published July 1, 1924.
Golf clubs. Crawford, McGregor and Canby Company. 188,932; Sept. 9; Serial No. 195,679; published June 24, 1924.
Rattles and children's toys. Pacific Novelty Company. 189,017; Sept. 9; Serial No. 197,042; published July 1, 1924.
Skates, Ice. Nestor Johnson Mfg. Co. 189,011; Sept. 9. Serial No. 197,288; published July 1, 1924.
Skates or devices for skating upon snow. Fayfield Knoll Company. 189,103; Sept. 9; Serial No. 196,297; published July 1, 1924.
Toy balloons. Good Rubber Company. 189,111; Sept. 9; Serial No. 195,816; published July 1, 1924.
Toy building blocks. Block House, Inc. 189,010; Sept. 9; Serial No. 197,412; published July 1, 1924.
Toys, Animated figure. Selrite Products Inc. 189,068; Sept. 9; Serial No. 179,825; published July 1, 1924.
Tricycles, Children's. Puffer-Hubbard Manufacturing Company. 189,016; Sept. 9; Serial No. 197,045; published July 1, 1924.
Vehicles, Children's. Hygrade Mechanical Toy Mfg. Co. 188,935; Sept. 9; Serial No. 194,924; published June 24, 1924.

CLASS 23.

Bushings, jigs, and reamers. Jig Bushing Company. 188,972; Sept. 9; Serial No. 192,487; published July 1, 1924.
Can-opening machines. Turner & Seymour Manufacturing Co. 188,983; Sept. 9; Serial No. 196,839; published July 1, 1924.
Carburetors. Holley Carburetor Company. 188,941; Sept. 9; Serial No. 195,061; published July 1, 1924.
Dust-collecting systems and apparatus for air separating and conveying systems. Clark Dust Collecting Co. 188,983; Sept. 9; Serial No. 194,334; published July 8, 1924.
Hoes and agricultural hand implements. American Fork & Hoe Company. 188,962; Sept. 9; Serial No. 179,507; published July 8, 1924.
Honing tools for grinding-engine cylinders and the like. Titan Machine & Mfg. Co. 188,954; Sept. 9; Serial No. 196,214; published July 8, 1924.
Knitting-machine needles and points. Textile Machine Works. 188,986; Sept. 9; Serial No. 197,055; published July 1, 1924.
Pipe sections, Tool-gripping devices for. D. S. Wedgeworth. 188,984; Sept. 9; Serial No. 196,892; published July 1, 1924.
Plows. A. Garric. 188,971; Sept. 9; Serial No. 190,778; published July 1, 1924.
Reamers, valve reamers, valve-seat reamers and cutters, etc. Hellyer Steel Parts Corporation. 188,942; Sept. 9; Serial No. 195,109; published July 8, 1924.
Saws, and particularly hack-saw blades, Metal-cutting. Spartan Saw Works. 188,979; Sept. 9; Serial No. 196,771; published July 1, 1924.
Scissors. Associated Merchandising Corporation. 188,960; Sept. 9; Serial No. 178,703; published July 1, 1924.
Shavings and dust collecting systems and apparatus. Chicago Blow-Pipe Co. 188,955; Sept. 9; Serial No. 196,232; published July 8, 1924.
Spraying apparatus. Vesdal Creations, Inc. 188,956; Sept. 9; Serial No. 196,279; published July 1, 1924.

CLASS 25.

Locks, Coin-operated door. R. D. Pearson. 188,947; Sept. 9; Serial No. 195,458; published July 8, 1924.

CLASS 26.

Chair attachments for holding ophthalmological apparatus, etc. General Optical Company. 188,985; Sept. 9; Serial No. 197,022; published July 8, 1924.
Glassware, Graduated chemical and laboratory. Kimble Glass Company. 188,982; Sept. 9; Serial No. 196,813; published July 8, 1924.
Measuring and dispensing apparatus, Hand-operated liquid. St. Louis Pump & Equipment Company. 188,944–5; Sept. 9; Serial Nos. 195,136–7; published July 1, 1924.
Photographic films. Ansco Photoproducts, Inc. 188,924; Sept. 9; Serial No. 194,152; published July 1, 1924.
Photographic paper, Sensitized. C. F. Schmidt. 188,939; Sept. 9; Serial No. 194,624; published July 1, 1924.
Picture films, Motion-. E. W. Castle. 188,963; Sept. 9; Serial No. 179,515; published July 8, 1924.
Picture films, Motion-. Fox Film Corporation. 188,975–6; Sept. 9; Serial Nos. 193,764–5; published July 1, 1924.
Picture films, Motion-. Lee Lash Films. 188,951; Sept. 9; Serial No. 195,891; published July 8, 1924.
Pumps, Measuring. St. Louis Pump & Equipment Company. 188,964; Sept. 9; Serial No. 183,007; published July 1, 1924.
Scales, Weighing. Dayton Scale Company. 188,989; Sept. 9; Serial No. 197,706; published July 8, 1924.
Scales, Weighing. Hanson Brothers Scale Co. 188,977; Sept. 9; Serial No. 196,386; published July 8, 1924.
T bevels, calipers, plumbs, etc., Sliding. Hibbard, Spencer, Bartlett & Company. 189,143; Sept. 9.

CLASS 29.

Hairbrushes. Dr. S. J. Egan Manufactory. 189,012; Sept. 9; Serial No. 197,264; published July 1, 1924.
Mops. National Oil and Supply Company. 189,038; Sept. 9; Serial No. 174,406; published June 24, 1924.

CLASS 32.

Bedsteads, day beds, couches, etc. Herz Bed Company. 189,135; Sept. 9.
Bedsteads, day beds, couches, etc. Herz Bed Company. 189,141; Sept. 9.
Furniture, Upholstered. Krochler Mfg. Co. 189,134; Sept. 9.

CLASS 33.

Glass and sheet-glass products, Sheet. Continental Flat Glass Company. 189,019–20; Sept. 9; Serial Nos. 196,910–11; published June 24, 1924.
Glass bottles. Alfred H. Smith Co. 189,118; Sept. 9; Serial No. 195,420; published July 1, 1924.
Headlights, Lenses for. Premier Cab Service, Inc. 189,101; Sept. 9; Serial No. 196,475; published June 24, 1924.

CLASS 35.

Hose, Steam and air. Hamilton Rubber Manufacturing Company. 189,052; Sept. 9; Serial No. 194,185; published June 24, 1924.
Rubber tubing. Metropolitan Device Corporation. 188,931; Sept. 9; Serial No. 195,975; published June 24, 1924.
Tires and inner tubes. H. Rudginsky. 188,930; Sept. 9; Serial No. 196,318; published June 24, 1924.
Tires, Elastic vehicle. Goodyear Tire & Rubber Company. 188,959; Sept. 9; Serial No. 101,064; published Aug. 23, 1921.

CLASS 39.

Suits, coats, hose, and sweaters, Golf. David D. Doniger & Co. 189,140; Sept. 9.

CLASS 40.

Braid and tape. Moore Fabric Co. 189,049; Sept. 9; Serial No. 192,782; published June 24, 1924.
Braids, tapes, binding, needles, etc. American Wholesale Corporation (Baltimore Bargain House). 189,036; Sept. 9; Serial No. 136,051; published June 24, 1924.
Dress shields. E. Bouton. 189,061; Sept. 9; Serial No. 172,635; published June 24, 1924.
Fancy goods, furnishings, and notions. Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné". 189,090; Sept. 9; Serial No. 191,415; published June 24, 1924.
Sewing-accessory stands. Mechanical Metal Stamping Co. 189,051; Sept. 9; Serial No. 193,673; published June 24, 1924.

CLASS 42.

Awning stripes and ticking. John Boyle & Company Incorporated. 189,100; Sept. 9; Serial No. 196,508; published July 1, 1924.
Awning stripes and ticking. John Boyle & Company Incorporated. 189,106; Sept. 9; Serial No. 196,152; published July 1, 1924.
Blankets, Woolen. James A. Hearn & Son Inc. 189,132; Sept. 9; Serial No. 195,282; published July 1, 1924.
Cotton piece goods. Garner Print Works & Bleachery. 189,046; Sept. 9; Serial No. 191,014; published June 24, 1924.
Cotton piece goods. Pelzer Manufacturing Company. 189,096; Sept. 9; Serial No. 196,711; published July 1, 1924.
Cotton piece goods. Turner & Walls. 189,045; Sept. 9; Serial No. 190,988; published June 24, 1924.
Cotton piece goods, Bleached. R. B. & R. Knight, Inc. 189,007; Sept. 9; Serial No. 196,308; published July 8, 1924.
Elastic fabric, Wide. Lawrence & Co. 189,115; Sept. 9; Serial No. 195,525; published July 1, 1924.
Fabrics, Decorative. H. F. Walliser Company. 198,108; Sept. 9; Serial No. 196,090; published July 1, 1924.
Fabrics, Woven. W. Rumpf. 189,092; Sept. 9; Serial No. 190,359; published June 24, 1924.
Hair nets. Sitroux Importing Co. 189,024; Sept. 9; Serial No. 197,563; published July 8, 1924.
Handkerchiefs. Long Handkerchief Co. 189,022; Sept. 9; Serial No. 196,815; published July 1, 1924.
Knitted cloth and fabric of silk, artificial silk, etc. Royal-Ascot Knitting Mills Company. 189,104; Sept. 9; Serial No. 196,197; published July 1, 1924.
Rugs and carpets. Hugh Nelson Columbia Carpet Mills. 188,999; Sept. 9; Serial No. 195,067; published July 8, 1924.
Rugs, Japanese straw and fiber and grass. S. Kann Sons Co. 189,116; Sept. 9; Serial No. 195,522; published July 1, 1924.
Rugs, Textile. Molloy-Skelly Carpet Company. 189,001; Sept. 9; Serial No. 195,651; published July 8, 1924.
Shade, sign, and other cloths, and lace curtains. Columbia Mills, Incorporated. 189,152; Sept. 9.
Sheets, Stockmen's bed. Crawford-Austin Manufacturing Co. 189,149; Sept. 9.
Silk, cotton, and silk and cotton piece goods. Phillips-Jones Corporation. 189,015; Sept. 9; Serial No. 197,111; published July 1, 1924.
Silk goods and shirtings. Denville Silk Company. 189,107; Sept. 9; Serial No. 196,106; published July 1, 1924.
Silk piece goods. P. Gallub. 189,023; Sept. 9; Serial No. 196,501; published July 1, 1924.
Silk piece goods. P. Gallub. 189,075; Sept. 9; Serial No. 195,275; published July 1, 1924.
Silk piece goods. P. Gallub. 189,133; Sept. 9; Serial No. 195,276; published July 1, 1924.
Towels. M. McElheran. 189,105; Sept. 9; Serial No. 196,178; published July 1, 1924.
Towels, wash rags, etc., Cloth. Hohlfeld Manufacturing Company. 189,073; Sept. 9; Serial No. 196,744; published July 1, 1924.
Wool-velour coating piece goods. C. Bahnsen & Co. 189,095; Sept. 9; Serial No. 196,787; published July 1, 1924.
Woolen goods. S. Stein & Co. 189,110; Sept. 9; Serial No. 195,841; published July 1, 1924.
Woolen goods. S. Stein & Co. 189,117; Sept. 9; Serial No. 195,423; published July 1, 1924.
Woolen goods. S. Stein & Co. 189,129–31; Sept. 9; Serial Nos. 195,310–12; published July 1, 1924.
Woolen goods in the piece. S. Stein & Co. 189,078; Sept. 9; Serial No. 194,577; published May 27, 1924.
Woolen goods in the piece. S. Stein & Co. 189,079; Sept. 9; Serial No. 194,575; published July 1, 1924.
Woolen piece goods. G. A. Beals. 189,147; Sept. 9.
Woolen piece goods. Berlin, Morell & Co. 189,137; Sept. 9.
Woolen piece goods. Forstmann & Huffmann Company. 189,119; Sept. 9; Serial No. 195,391; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,120; Sept. 9; Serial No. 195,389; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,121; Sept. 9; Serial No. 195,387; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,122; Sept. 9; Serial No. 195,385; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,123; Sept. 9; Serial No. 195,357; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,124–5; Sept. 9; Serial Nos. 195,353–4; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,126; Sept. 9; Serial No. 195,348; published July 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 189,127; Sept. 9; Serial No. 195,342; published July 1, 1924.
Woolen piece goods. M. D. Levitt. 189,025; Sept. 9; Serial No. 197,439; published July 8, 1924.
Woolen piece goods. S. Stein & Co. 189,102; Sept. 9; Serial No. 196,355; published July 1, 1924.
Woolens and worsteds in the piece. B. Landau. 189,013–14; Sept. 9; Serial Nos. 197,156–7; published July 1, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 189,021; Sept. 9; Serial No. 196,868; published July 1, 1924.
Worsted piece goods. International Worsted Mills. 189,138–9; Sept. 9.

CLASS 43.

Thread. J. E. Barbour Company. 189,004; Sept. 9; Serial No. 195,938; published July 8, 1924.
Threads. Manufacturers Supplies Company. 189,055; Sept. 9; Serial No. 158,635; published July 1, 1924.
Yarns, Cotton. John F. Street & Co. 189,142; Sept. 9.

CLASS 44.

Catheters. E. Kallmeyer. 189,072; Sept. 9; Serial No. 188,963; published Apr. 15, 1924.
Dental hand-piece sterilizers and sterilizers of dental apparatus. P. J. L. Nemmers. 188,943; Sept. 9; Serial No. 195,120; published July 1, 1924.
Dental molding material. R. L. L. Warner. 188,974; Sept. 9; Serial No. 193,559; published July 3, 1924.
Dental supplies. W. J. Terry. 188,968; Sept. 9; Serial No. 187,028; published July 1, 1924.
Diapers, Knitted. L. R. McNair. 188,946; Sept. 9; Serial No. 195,298; published July 1, 1924.
Electric machines, High-frequency. Wappler Electric Company. 188,953; Sept. 9; Serial No. 196,144; published July 8, 1924.
Heat pad for medical purposes. E. M. Bailey. 188,969; Sept. 9; Serial No. 188,290; published July 1, 1924.
Nostril expanders. H. R. Woodward. 188,980; Sept. 9; Serial No. 196,782; published July 8, 1924.
Rubber reducing garments. I. B. Kleinert Rubber Company. 188,987; Sept. 9; Serial No. 197,083; published July 8, 1924.

CLASS 45.

Beverage and sirup for making the same. Moxie Company. 189,066; Sept. 9; Serial No. 178,054; published July 1, 1924.
Beverages sold as soft drinks. Orange Crush Company. 189,039; Sept. 9; Serial No. 177,616; published June 24, 1924.
Ginger ale. A. La Pides. 189,099; Sept. 9; Serial No. 196,529; published July 1, 1924.
Grape soda water and grape juice. Grape-Dew Company of America. 189,041; Sept. 9; Serial No. 179,595; published June 24, 1924.

Water, Mineral. R. Garcia. 189,035; Sept. 9; Serial No. 147,343; published June 24, 1924.
Water, Natural mineral. F. H. Murphy. 188,928; Sept. 9; Serial No. 196,669; published June 24, 1924.

CLASS 46.

Biscuits, crackers, and Dutch-style cookies. W. R. Montague Company. 189,037; Sept. 9; Serial No. 167,579; published May 8, 1923.
Bread. Ward Baking Company. 189,092; Sept. 9; Serial No. 195,788; published July 1, 1924.
Butter. Climax Creamery Co. 188,995; Sept. 9; Serial No. 192,239; published July 1, 1924.
Butter. Merrill & Eldredge. 189,044; Sept. 9; Serial No. 186,563; published June 24, 1924.
Butter, Creamery. Auerbach Company. 189,030; Sept. 9; Serial No. 197,058; published July 1, 1924.
Candy. O. P. Catsigianis. 188,926; Sept. 9; Serial No. 196,903; published June 24, 1924.
Candy. Collins-Hencke Candy Co. 189,112; Sept. 9; Serial No. 195,803; published July 1, 1924.
Candy. Euclid Candy Co. 189,060; Sept. 9; Serial No. 170,590; published July 1, 1924.
Candy. E. Kladivko. 189,074; Sept. 9; Serial No. 189,980; published July 1, 1924.
Candy. Schall's, Inc. 189,113; Sept. 9; Serial No. 195,777; published July 1, 1924.
Candy. Shull Candy Company. 189,070; Sept. 9; Serial No. 186,251; published July 1, 1924.
Candy. Ye-Nob Candy Company. 189,109; Sept. 9; Serial No. 195,848; published July 1, 1924.
Canned flaked fish and fresh haddock. Chesebro Brothers & Robbins, Inc. 189,094; Sept. 9; Serial No. 190,007; published June 17, 1924.
Canned fruits. W. Olney. 188,927; Sept. 9; Serial No. 196,755; published June 24, 1924.
Canned fruits and vegetables. McKnight-Keaton Crocery Co. 189,063; Sept. 9; Serial No. 177,612; published May 8, 1923.
Canned fruits and vegetables. L. J. Reid. 189,067; Sept. 9; Serial No. 178,925; published July 1, 1924.
Canned mixed vegetables and shrimp, and prunes. Charles G. Summers Jr. Incorporated. 189,153; Sept. 9.
Canned vegetables. Bell Canning Company. 189,150; Sept. 9.
Canned vegetables. Oconomowoc Canning Company. 189,018; Sept. 9; Serial No. 197,039; published July 1, 1924.
Canned vegetables and fruits. Ephraim Sanitary Canning Co. 189,146; Sept. 9.
Canned vegetables and fruits, preserved fruits, etc. See-Moon & Company. 189,056; Sept. 9; Serial No. 164,271; published Sept. 25, 1923.
Cheese and cheese products. Martin Bros. Company. 189,009; Sept. 9; Serial No. 196,537; published July 1, 1924.
Cheese, Full-cream. A. H. Loeb. 189,029; Sept. 9; Serial No. 197,160; published July 1, 1924.
Chocolate and cocoa. D. Ghirardelli Company. 189,040; Sept. 9; Serial No. 178,440; published June 24, 1924.
Chocolate, Prepared. Ever Ready Chocolate Co. 189,155; Sept. 9.
Chocolates. Rodway Company. 188,925; Sept. 9; Serial No. 196,930; published June 24, 1924.
Chocolates. Schwabacher Bros. & Co. 189,089; Sept. 9; Serial No. 191,842; published July 1, 1924.
Coffee. Merchants Wholesale Grocery Company. 189,076; Sept. 9; Serial No. 195,177; published July 1, 1924.
Coffees, teas, chocolates, bonbons, cocoa. M. M. de Picabia. 189,086; Sept. 9; Serial No. 193,326; published July 1, 1924.
Feed for animals. Prepared mineral. Shores-Mueller Company. 189,054; Sept. 9; Serial No. 194,738; published June 24, 1924.
Feed, Scratch. Universal Mills. 189,042; Sept. 9; Serial No. 184,008; published Dec. 25, 1923.
Feeds, Animal molasses. Huntsville Warehouse Company. 189,027; Sept. 9; Serial No. 197,330; published July 1, 1924.
Feeds, Poultry. M. C. Peters Mills Co. 188,990; Sept. 9; Serial No. 177,992; published July 1, 1924.
Feeds, Poultry. M. C. Peters Mill Co. 188,991; Sept. 9; Serial No. 177,994; published July 1, 1924.
Fish, Preserved. Santiago Lopez Barredo S. A. 189,048; Sept. 9; Serial No. 191,657; published June 24, 1924.
Flavors and flavoring extracts. Special Products Laboratory, Inc. 189,062; Sept. 9; Serial No. 174,114; published July 1, 1924.
Flour, Wheat. African & Eastern Trading Co. 189,031; Sept. 9; Serial No. 196,895; published July 1, 1924.
Flour, Wheat. Cleveland Milling Company. 189,000; Sept. 9; Serial No. 195,212; published July 1, 1924.
Flour, Wheat. Great West Mill & Elevator Company. 189,026; Sept. 9; Serial No. 197,370; published July 1, 1924.
Fruits, Citrous. Dr. P. Phillips Company. 189,085; Sept. 9; Serial No. 193,624; published July 1, 1924.
Fruits, Fresh citrous. South Lake Apopka Citrus Growers Association. 189,084; Sept. 9; Serial No. 193,632; published July 1, 1924.
Hams. Omaha Packing Company. 189,053; Sept. 9; Serial No. 194,564; published June 24, 1924.
Nougat bars. National Nougat Company. 189,069; Sept. 9; Serial No. 181,205; published Apr. 8, 1924.
Oil meal, Linseed. Portland Linseed Oil Works, Inc. 189,028; Sept. 9; Serial No. 197,167; published July 1, 1924.
Pectin. E. A. Ruthstrom. 189,077; Sept. 9; Serial No. 194,948; published July 1, 1924.
Pork, beef, and lard. Chas. Hollinshed Co. 189,093; Sept. 9; Serial No. 196,341; published July 1, 1924.
Poultry, Dressed. California Poultry Company. 188,936; Sept. 9; Serial No. 194,906; published June 24, 1924.
Raisins, Dried. Fred B. Neuhoff Company. 189,087; Sept. 9; Serial No. 193,661; published July 1, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 189,080; Sept. 9; Serial No. 193,823; published July 1, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 189,081; Sept. 9; Serial No. 193,818; published July 1, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 189,082; Sept. 9; Serial No. 193,813; published July 1, 1924.
Vanilla extract, lemon extract, etc. Blackstone Manufacturing Co. 189,059; Sept. 9; Serial No. 170,518; published July 1, 1924.

ALPHABETICAL LIST OF LABELS.

Acaricide. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. G. S. Smyth. 27,837; Sept. 9.
Antipertusses. For a Medicine for Whooping Cough. J. W. Bourke. 27,807; Sept. 9.
Be good to the fish—don't tear their mouths. For Fish-mouth Openers and Holders. H. C. Schwartz. 27,835; Sept. 9.
Besjet. For an Automobile Enamel in Black and in Colors and Also a Top and Seat Dressing. Gilbert Spruance Company. 27,811; Sept. 9.
California Fig Bread. For Bread. California Peach & Fig Growers. 27,808; Sept. 9.
Dr. Wernet's Powder. For Powder to Hold False Teeth Firmly in Place. Wernet Dental Mfg. Co. 27,839. Sept. 9.
Eveready Radio "B" Battery. For Electric Batteries. National Carbon Company. 27,823–5; Sept. 9.
Eveready Radio "B" Battery. For Electric Batteries. National Carbon Company. 27,827; Sept. 9.
Eveready Radio "C" Battery. For Electric Batteries. National Carbon Company. 27,826; Sept. 9.
Farmer & Workman Overalls. For Overalls. M. N. Padway. 27,828–9; Sept. 9.
Gudnikel. For Candy. E. H. Du Bois. 27,809; Sept. 9.
Hall's Stray-Moll. For Ointment. J. W. H. Hughes. 27,812; Sept. 9.
Lion Brand Olive Oil. For Olive Oil. J. Della Monica. 27,822; Sept. 9.
Sample Cinn-O-Mon Life Savers. For Candies. Life Savers, Inc. 27,821; Sept. 9.
Sample Cl-O-Ve Life Savers. For Candies. Life Savers, Inc. 27,820; Sept. 9.
Sample Lic-O-Rice Life Savers. For Candies. Life Savers, Inc. 27,817; Sept. 9.
Sample Pep-O-Mint Life Savers. For Candies. Life Savers, Inc. 27,816; Sept. 9.
Sample Vi-O-Let Life Savers. For Candies. Life Savers, Inc. 27,818; Sept. 9.
Sample Wint-O-Green Life Savers. For Candies. Life Savers, Inc. 27,819; Sept. 9.
Stone Mountain. For Cigars. Kaltreider Cigar Company. 27,813; Sept. 9.
Teddy's Chocolate Covered Peanut Brittle. For a Chocolate-Covered Peanut Brittle. T. Fritsch. 27,810; Sept. 9.
The Universal Kind-Katz. For Service Pants. Sol. W. Katz & Company. 27,814; Sept. 9.
Zep. For Cereal Breakfast Food. Kellogg's Pep & Zep Products, Inc. 27,815; Sept. 9.
No. 1 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. Patterson Dental Supply Company. 27,833; Sept. 9.
No. 2 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. Patterson Dental Supply Company. 27,832; Sept. 9.
No. 3 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. Patterson Dental Supply Company. 27,830; Sept. 9.
No. 4 Knapp Casting Gold. For Gold and Platinum Alloy Metal for Dental Inlays and Bridge Work. M. F. Patterson Dental Supply Company. 27,831; Sept. 9.
Super-Head Lettuce. For Lettuce. E. L. Saisselin. 27,834; Sept. 9.
Vagasan. For a Sanitary Douche Powder to be Used as an Antiseptic, Germicide, Astringent, Deodorant. Vagasan Compounding Company. 27,838; Sept. 9.
Wormolene. For a Hog Remedy. A. L. Severin. 27,836; Sept. 9.

ALPHABETICAL LIST OF PRINTS.

Acaricide. For Medicine for Itching Scalp, Dandruff, Falling Hair, Eczema, and for the Promotion of Hair Growth. G. S. Smyth. 7,583; Sept. 9.
Edison Mazda Lamps. For Mazda Lamps. Edison Lamp Works of General Electric Co. 7,579; Sept. 9.
Ink-Out. For Ink Eradicators. Ink-Out Mfg. Co. 7,580; Sept. 9.
Inwood. For Ladies' Ready-to-Wear Clothing. Neiman-Marcus Company. 7,581; Sept. 9.
Nifty Jiffy Self Service Grocery System. For the Fixtures, Show Cases, Shelves, Turnstile, Railings, and Other Equipment of Self-Service Stores. Nifty-Jiffy Corporation. 7,582; Sept. 9.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Batts, burlap, cotton, excelsior, etc. Boston Excelsior Company. 199,522; Sept. 9.
Celluloid, Sheets, rods, and tubes of. Standard Pyroxoloid Corporation. 197,504; Sept. 9.
Coal. Island Creek Coal Company. 198,525; Sept. 9.
Coal and coke. General Coal Company. 199,421; Sept. 9.
Marble. A. Biggi. 197,988; Sept. 9.
Nursery stock. Jewell Nursery Company. 183,486; Sept. 9.

CLASS 2.

Boxes for cigarettes and matches, Toy. Foreign Manufacturers Sales Corporation. 198,130; Sept. 9.
Containers for lubricating oils. Pennzoil Company of California. 188,060; Sept. 9.
Containers of paper, etc. Correct Container Co. 174,561; Sept. 9.

CLASS 4.

Brake lining, Compound for. G. Whittlesey. 199,815; Sept. 9.
Burnishing compounds. Kent-Moore Organization. 200,264; Sept. 9.
Cleaning fluid, Liquid. Devoe & Raynolds Co. 197,709; Sept. 9.
Cleaning powder. Sunset Carpet Cleaning & Storage Corporation. 198,725; Sept. 9.
Cleaning, shining, and polishing shoes, etc., Preparations for. Herriott Polish Company. 196,171; Sept. 9.
Cleansers for painted, etc., surfaces. J. Lane. 194,605; Sept. 9.
Polish for aluminum. E. R. Bertram. 199,274; Sept. 9.
Polish, Shoe. P. L. Rookledge. 175,108; Sept. 9.
Shoe dressing. J. L. Prescott Company. 199,801; Sept. 9.
Soap, Dry-cleaners'. Dry-Cle-So Soap Co. 199,542; Sept. 9.
Soap, Hand. Huttner-Nelson & Co. 199,701; Sept. 9.
Soap, metal polish, and straw and Panama cleaner. M. N. Terpinas. 199,404; Sept. 9.
Soap, washing fluid, scouring powder, and cleaning solution. Associated Oil Company. 200,029; Sept. 9.
Soaps, soap jelly, powder, flakes, and creams. J. R. Watkins Co. 190,075; Sept. 9.
Tripoli flour, washing powder, soaps. American Tripoli Company. 200,172; Sept. 9.

CLASS 6.

Animal, insect, and vermin exterminator. American Cyanamid Company. 199,769; Sept. 9.
Brilliantine, pomade, and hair tonic. M. Factor. 193,097; Sept. 9.
Cosmetics. I. Del Marvin. 197,891; Sept. 9.
Cream, perfumery, face powder, etc., Massage. Myrurgia S. A. 184,090; Sept. 9.
Dyestuffs, dyewoods, and dyewood extracts, etc. Dyestuffs Corporation of America. 197,588; Sept. 9.
Expectorant solution. G. F. Hargrave. 200,197; Sept. 9.
Eye balsam. H. Magliato. 200,456; Sept. 9.
Insecticide. W. H. & F. Jordan, Jr. Mfg. Co. 191,073; Sept. 9.
Medicaments. C. R. Bahm. 196,851; Sept. 9.
Medicinal compounds. J. R. Watkins Co. 200,408; Sept. 9.
Medicinal preparation. W. S. Martin. 200,336; Sept. 9.
Medicinal preparation for coughs, colds, and bronchial asthma. L. R. Coffey. 199,677; Sept. 9.
Medicine. Mrs. F. H. Crist. 199,041; Sept. 9.
Medicine. A. Zlani. 195,033; Sept. 9.
Medicine for rheumatism and stomach trouble. W. Hollingsworth. 200,498; Sept. 9.
Medicines, Animal. H. Clay Glover Co. 199,551; Sept. 9.
Mouth wash. L. M. Morehouse. 194,202; Sept. 9.
Ointment. J. Farnett. 197,590; Sept. 9.
Ointment, External. N. B. Bedrosian. 200,418; Sept. 9.
Ointments and other pharmaceutical preparations for corns. Scholl Manufacturing Company. 199,249; Sept. 9.
Perfumes, toilet waters, face lotions, etc. J. A. Fields. 198,630; Sept. 9.
Powder, Talcum. Remiller Co. 200,223; Sept. 9.
Preparation for the treatment of secondary anæmia. Wilson Laboratories. 199,593; Sept. 9.
Rubber, gutta percha, and balata goods, Accelerators of vulcanization of. Midland Tar Distillers Limited. 198,080; Sept. 9.
Salts, Mineral. J. C. Crowe. 197,658; Sept. 9.
Salve. C. Whitkates. 192,231; Sept. 9.
Toilet preparations. A. M. Braun. 200,476; Sept. 9.
Tooth paste. H. Blackett. 200,420; Sept. 9.

CLASS 7.

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 195,192; Sept. 9.

CLASS 9.

Shells and wads, Shotgun. Peters Cartridge Company. 199,493; Sept. 9.

CLASS 12.

Brick. Jewettville Clay Products Company. 197,485; Sept. 9.
Carpet felt. Graham Paper Company. 197,878; Sept. 9.
Cement. Pittsburgh Plate Glass Company. 184,419; Sept. 9.
Cement composition. E. Kuziak. 191,888; Sept. 9.
Lumber. Pennsylvania Flooring and Manufacturing Co. 199,901; Sept. 9.
Mineral and other substances for use in road making, etc., Manufactures from. W. J. Hadfield. 195,446; Sept. 9.
Screen doors and window screens, combination screen and storm doors, etc. Continental Company. 196,790; Sept. 9.
Socket inserts, continuous stirrups, etc. Reinforced Concrete Company. 198,679; Sept. 9.
Stone, Building. George Washington Stone Corporation. 199,811–2; Sept. 9.

CLASS 13.

Saucepan, round roaster, frying pan, etc., Lipped. Geo. H. Bowman Co. 199,973; Sept. 9.
Valves and valve seats. Fisher Governor Company. 200,042; Sept. 9.

CLASS 14.

Brass or copper or alloy thereof, bronze sheets or rods, etc., Sheets of. Taunton-New Bedford Copper Company. 199,865; Sept. 9.

CLASS 15.

Gasoline. Tremley Oil Co. 200,734; Sept. 9.
Gasoline, lubricating oils and greases. Mexican Petroleum Corporation of Louisiana, Inc. 198,580; Sept. 9.
Lubricants. National Electric Manufacturing Co. 199,757; Sept. 9.
Oil, Lubricating. Troy Belting & Supply Company. 199,959; Sept. 9.
Oils and greases. Keystone Lubricating Company. 199,791; Sept. 9.
Oils and greases, Lubricating. Sherwood Bros. Inc. 192,043; Sept. 9.
Oils, Fuel. Pollard Oil Company. 200,689–90; Sept. 9.
Oils, kerosene, gasoline, and illuminating oils, Motor. Independent Refining Company. 199,477; Sept. 9.
Oils, Light and heavy fuel. Independent Oil Marketing Co. 196,869; Sept. 9.
Oils, Motor. Bradford Oil Refining Co. 197,700; Sept. 9.
Petroleum and products. Standard Oil Company of New York. 200,290; Sept. 9.

CLASS 16.

Paint, Oil. Keystone Varnish Company. 193,179; Sept. 9.
Paint, Paste. Keystone Varnish Company. 200,360; Sept. 9.
Paints, Wall. Keystone Varnish Company. 200,361; Sept. 9.
Wood fillers. Scofield, Evans and Company. 200,694; Sept. 9.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 17.

Cigars, cigarettes, smoking and chewing tobacco. Vetterlein Brothers Inc. 200,588; Sept. 9.
Cigars, cigarettes, smoking and chewing tobacco. Vetterlein Brothers Inc. 200,590; Sept. 9.

CLASS 19.

Automobile luggage carriers. Mark Anton Mfg. Co. 198,106; Sept. 9.
Axle caps for vehicles, coach ironmongery, etc. Douglas Motors Limited. 180,656; Sept. 9.
Cars, Railway motor. Northwestern Motor Company. 198,026; Sept. 9.

CLASS 21.

Condensers for radio and wireless telegraphy apparatus, Variable air. U. S. Knochel. 198,240; Sept. 9.
Lamp for electric automobile head lamps, Rim and auxiliary, W. F. Doran. 194,341; Sept. 9.

CLASS 22.

Game. Betty Products Company. 192,302; Sept. 9.
Game. Embossing Company. 199,466; Sept. 9.
Game and racks used therewith, Receptacles designed for containing apparatus and paraphernalia used in a. E. Guggenheim. 192,570; Sept. 9.
Swings. Health Swing Co. 196,163; Sept. 9.
Toy vehicles and furniture, dolls, etc. Dearborn Company. 182,500; Sept. 9.
Wagons, scooters, and cars, Children's. Hunt, Helm, Ferris & Co. 189,787; Sept. 9.

CLASS 23.

Calandrias, concentrators, condensers, etc. Buffalo Foundry & Machine Co. 188,292; Sept. 9.
Gears. L. Meier. 199,641; Sept. 9.
Pocketknives, razors, carving sets, etc. Aerial Cutlery Manufacturing Co. 199,735; Sept. 9.
Pumps, Vacuum. Central Scientific Co. 200,090; Sept. 9.
Razor blades, Safety-. International Safety Razor Corporation. 198,188; Sept. 9.
Razors and blades therefor. J. F. Barry. 192,207; Sept. 9.
Saw blades and frames, Hack-. H. C. Cook Company. 194,051; Sept. 9.

CLASS 26.

Chairs and cabinets used in the practice of ophthalmology. General Optical Company. 197,023; Sept. 9.
Films, Photographic. Eastman Kodak Company. 200,483; Sept. 9.
Photographic sensitized materials. Eastman Kodak Company. 200,434–6; Sept. 9.
Spectacles, eyeglasses, goggles, etc. Universal Optical Corporation. 161,906–7; Sept. 9.

CLASS 29.

Brushes, Combined hand and nail. P. B. T. Williams. 198,976; Sept. 9.

CLASS 31.

Tripoli filter stones, pressure, siphon, and disk filters. American Tripoli Company. 200,173; Sept. 9.

CLASS 32.

Furniture, Wicker. Grand Central Wicker Shop, Inc. 198,568; Sept. 9.
Mattresses. All-Felt Mattress Co. 199,594; Sept. 9.
Talking machines and radio sets, Cabinets for. Columbia Mantel Co. 200,246; Sept. 9.

CLASS 34.

Ventilators. Royal Ventilator Company. 199,764; Sept. 9.

CLASS 35.

Belts, automobile tires, Inner tubes, etc., Fan. J. J. Fuchs. 198,941; Sept. 9.

CLASS 36.

Music stands. Simpson & Frey, Inc. 199,650; Sept. 9.

CLASS 37.

Chalk, Dustless. American Crayon Company. 199,596–7; Sept. 9.
Pencils, Paper. American Crayon Company. 199,595; Sept. 9.
Pens, Writing. Esterbrook Steel Pen Manufacturing Company. 199,777; Sept. 9.

CLASS 38.

Books of a series, Printed. Theatre Guild, Inc. 171,393; Sept. 9.
Books of a series, Printed. Theatre Guild, Inc. 180,509; Sept. 9.
Magazine, Monthly. Hardware Dealers Magazine, Inc. 193,459; Sept. 9.
Magazine, Monthly. Kable-Spalding Company. 199,556; Sept. 9.
Magazines. A. E. Portser. 183,990; Sept. 9.
News letter, Daily. A. Newton Plummer Corporation. 179,622; Sept. 9.
Publication, Section of a periodical. E. H. Felix 199,289; Sept. 9.
Publication, Title of a monthly. Armstrong-Kilbourne. 199,280; Sept. 9.

CLASS 39.

Brassières. Beldt Brassiere Co. 198,834; Sept. 9.
Clothing. S. Blechman & Sons Inc. 184,158; Sept. 9.
Coats and suits. E. J. Wile & Co. 192,204; Sept. 9.
Corsets. International Corset Company. 199,005; Sept. 9.
Corsets. S. S. Kresge Company. 198,646; Sept. 9.
Corsets and brassière corsets. Strouse, Adler & Co. 199,194; Sept. 9.
Frocks, Ladies'. L. C. Rosenblatt. 198,886; Sept. 9.
Gloves, Leather. National Association of Leather Glove and Mitten Manufacturers. 199,291–2; Sept. 9.
Gowns, suits, dresses, coats, etc. Madeleine Vionnet Models, Inc. 194,725–6; Sept. 9.
Hats. Mallory Hat Company. 199,368–9; Sept. 9.
Hats. Mallory Hat Company. 199,372; Sept. 9.
Hats. Mallory Hat Company. 199,376; Sept. 9.
Hats, Ladies'. R. Kinsbergen. 199,230; Sept. 9.
Hats, Men's and boys'. George B. Burnett & Son. 198,841; Sept. 9.
Hosiery. W. B. Davis & Son, Inc. 199,045; Sept. 9.
Hosiery. James P. Grey & Co. 198,944; Sept. 9.
Hosiery. Ipswich Mills. 199,116; Sept. 9.
Hosiery. McLellan Stores Company. 199,074–5; Sept. 9.
Hosiery. Nelson Knitting Company. 199,293; Sept. 9.
Hosiery. Nelson Knitting Company. 199,296–306; Sept. 9.
Hosiery. Nelson Knitting Company. 199,308–13; Sept. 9.
Hosiery. Phoenix Hosiery Company. 198,958; Sept. 9.
Hosiery, Silk. Bestmade Silk Hosiery Co. 198,171; Sept. 9.
Hosiery, underwear, blankets, etc. E. L. LasSar. 199,171; Sept. 9.
Kimonos and negligees. Frances Negligee Company. 198,853–4; Sept. 9.
Leggings, knickerbockers, children's rompers, etc. C. E. Hockmeyer. 195,642; Sept. 9.
Negligees, breakfast coats, kimonos, etc. Joy Wear. 195,603; Sept. 9.
Shirts and men's athletic underwear, Men's and boys' dress. Chesterfield Shirt Company. 199,149; Sept. 9.
Suits, Men's and boys'. Auerbach & Guettel. 192,103; Sept. 9.
Sweater collars. Cadet Knitting Company. 199,218; Sept. 9.
Underwear and bathing suits, Knitted. E. J. Schremp. 196,489; Sept. 9.
Underwear, Knitted or textile. M. L. Walsh. 198,436; Sept. 9.
Waists, blouses, and dresses. E. D. Becker. 177,541; Sept. 9.
Welting for boots and shoes. Barbour Welting Company. 199,206; Sept. 9.

CLASS 40.

Hair curlers. Hayes-Meserole Mfg. Co. 198,407; Sept. 9.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 200,652; Sept. 9.
Awning stripes and ticking. John Boyle & Company. 200,658; Sept. 9.
Awning stripes and ticking. John Boyle & Company. 200,661; Sept. 9.
Cotton and silk and cotton mitxure piece goods. N. Fluegelman & Co. 199,281; Sept. 9.
Cotton piece goods. Hunter Manufacturing & Commission Co. 199,004; Sept. 9.
Cotton piece gods. G. Sidenberg & Co. 167,369; Sept. 9.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,036; Sept. 9.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 200,421; Sept. 9.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 200,472–5; Sept. 9.
Hair nets. Lorraine Manufacturing & Importing Company. 199,706; Sept. 9.
Hair nets. National Trading Company. 198,533; Sept. 9.
Knitted cloth and fabric in the piece. Artsilk Knitting Mills. 199,873–4; Sept. 9.
Knitted cloth and fabric in the piece. Crystal Mills, Inc. 199,881; Sept. 9.
Knitted cloth and fabric in the piece. Knitted Textiles Corporation. 199,894; Sept. 9.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 200,803; Sept. 9.
Ribbon. I. Fleischer & Sons. 183,103; Sept. 9.
Ribbons in the piece, Silk and satin. Kaltenbach & Stephens, Inc. 200,047; Sept. 9.
Silk knitted cloth in the piece. Levi & Seligman, Inc. 200,328–9; Sept. 9.
Silk piece goods. William E. Wiener, Inc. 200,648; Sept. 9.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Silk piece goods, silk ribbons, and velvet piece goods. Burton, Price & Company. 198,982–3; Sept. 9.
Umbrella cloth. J. Bister. 197,249; Sept. 9.
Voiles, Cotton. Sherman & Sons Company. 196,933; Sept. 9.
Woolen piece goods. Madison Woolen Co. 196,535; Sept. 9.

CLASS 44.

Dental caps, crowns, and bridges. C. Bechtold. 198,281; Sept. 9.
Dental cement. W. A. Volgt. 199,333; Sept. 9.
Heel supports and heel pads. School Manufacturing Company. 199,250; Sept. 9.
Medicinal and surgical supplies, Kits of. First Aid Specialty Company. 191,682; Sept. 9.

CLASS 45.

Beverage and extracts for making same. W. H. Halford. 190,502; Sept. 9.
Drinks, Fruit juices for making soft. W. L. Kann. 173,330; Sept. 9.

CLASS 46.

Butter, Creamery, Valley Butter Company. 200,466–7; Sept. 9.
Buttermilk, butter, etc., Cultures for making starter in the manufacture of. Dairy Laboratories. 199,609; Sept. 9.
Canned corn. Lake Mills Canning Company. 200,563; Sept. 9.
Canned fruits and vegetables. Herbert Packing Co. 200,444; Sept. 9.
Canned fruits, berries, vegetables, and tomato catchup. H. G. Prince & Co. 199,720; Sept. 9.
Canned fruits, vegetables, and fish. Haas Brothers. 200,681; Sept. 9.
Canned goods, evaporated milk, coffee, and powdered sugar. E. R. Godfrey & Sons Co. 199,687; Sept. 9.
Canned salmon. Birks, Crawford & Lindsay, Ltd. 181,723; Sept. 9.
Canned vegetables. Appleby Bros. 194,242; Sept. 9.
Cantaloupes, lettuce, grapes. W. S. Fawcett. 184,717; Sept. 9.
Chocolate. Eline's Incorporated. 198,296–7; Sept. 9.
Corn meal. Stanard Tilton Milling Co. 199,577; Sept. 9.
Corn meal, corn chops, corncob meal, and grits. Stanard Tilton Milling Co. 199,578; Sept. 9.
Eggs. G. E. Cutler. 196,728; Sept. 9.
Feed, Animal. W. W. Payne. 199,242; Sept. 9.
Feed, Poultry. Eddie Mill & Elevator Co. 199,465; Sept. 9.
Flour, Pancake. B. A. Hopkins' Sons. 200,319; Sept. 9.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,291; Sept. 9.
Flour, Wheat. Tacoma Grain Co. 199,864; Sept. 9.
Food preparation, Chocolate-flavored malted. Runkel Brothers, Inc. 199,647; Sept. 9.
Fruits, Fresh deciduous. H. W. & L. P. Miller. 198,662; Sept. 9.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 200,374; Sept. 9.
Gum, Chewing. Underwood-Talmage Co. 199,407; Sept. 9.
Ham and bacon, canned caviar, Camembert cheese, Salt-cured smoked. V. L. Lebedjeff, Inc. 195,526; Sept. 9.
Hams, bacon, sausage, and lard. Phillips Genuine Sausage Co. 198,249; Sept. 9.
Malt extract for food purposes. Blatz Products Company. 199,672; Sept. 9.
Meal and cake, Linseed-oil. William O. Goodrich Company. 195,819; Sept. 9.
Peanuts, Roasted and salted. H. A. Robinson Company. 198,681; Sept. 9.
Potatoes. Albert Miller & Co. 190,025; Sept. 9.
Rice. Standard Rice Company. 198,091; Sept. 9.
Sugar-wafer bar. Independent Baking Company. 197,939; Sept. 9.
Tea. Hoffmann-Hayman Coffee Co. 197,935; Sept. 9.
Tomatoes. Tucker & Simmons. 197,970; Sept. 9.
Tongue and meat roll, sausage, etc., Cooked. Swift and Company. 200,783; Sept. 9.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,508,148; Sept. 9.

Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Method and apparatus for manufacturing tire casings. 1,507,563; Sept. 9.

Abbott, William F., Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company. Trough protector. 1,508,149; Sept. 9.

Achart, Marcel, Paris, France. Supporting device for the heels of footwear. 1,508,208; Sept. 9.

Adams, James B., Cheat Neck, W. Va. Vending machine. 1,508,209; Sept. 9.

Aden, Perry M., Valley Park, Miss. Detachable rim. 1,507,564; Sept. 9.

Aderer, Hugo, East Orange, N. J. Dental clasp. 1,507,947; Sept. 9.

Ahlen, John, Fargo, N. Dak. Plane attachment. 1,507,722; Sept. 9.

Aktiebolaget Vaporackumulator. (See Ruths, Johannes K., assignor.)

Albus, Harold K., St. Joseph, Mo. Child's vehicle. 1,508,150; Sept. 9.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,508,151; Sept. 9.

Alftham, Harry, assignor to G. A. Serlachius Aktiebolaget, Mantta, Finland. Manufacturing white sulphite cellulose from resinous woods. 1,507,559; Sept. 9.

Alger, Phillip L., Schenectady, N. Y., assignor to General Electric Company. Squirrel-cage winding for alternating current motors. 1,508,152; Sept. 9.

Alofs, Herman G., Holland, Mich. Firearm. 1,507,881; Sept. 9.

Altwegg, Jean, and J. Collardeau, Lyon, France, assignors to Societe Chimique des Usines du Rhone (Anciennement Gilliard P. Monnet et Cartier), Paris, France. Preparation of saccharin. 1,507,565; Sept. 9.

Alland, Maurice, Atlantic City, N. J. Writing instrument. 1,507,903; Sept. 9.

Allen, Adolphus M. (See Billow, Elmer E., assignor.)

Allison, Gustave, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y. Machine for removing the booster charge from high-explosive shells. 1,507,654; Sept. 9.

Allmanna Ingenierskbyran H. G. Torulf. (See Holmberg, Anders, assignor.)

American Lady Corset Company. (See Siegel, Joseph, assignor.)

American Manganese Steel Company. (See Crane, Ernest E., assignor.)

American Pulley Company, The. (See Bowen, Russell H., assignor.)

Amlot, Austin, Stockton, Ohio. Mail-bag catching and delivering apparatus. 1,508,042; Sept. 9.

Anderson, Carl E. (See Wadell, Albert H., assignor.)

Anderson, Charles E., Devils Lake, N. Dak. Agricultural implement. 1,507,982; Sept. 9.

Anderson, Edward V., Monessen, assignor of one-half to C. E. Golden, Crafton, Pa. Triple-cushioned valve. 1,507,948; Sept. 9.

Anderson, Harry M., San Antonio, Tex. Expansible plug for oil wells. 1,507,983; Sept. 9.

Angier, Edward H., Framingham, Mass. Elastic paper sheathing and producing the same. 1,507,949; Sept. 9.

Anthracite Separator Company. (See Pardee, Frank, jr., assignor.)

Apel, Frederick H. (See Pecorella, A., Patricolo, and Apel.)

Apple, Vincent G., Dayton, Ohio. Commutator brush and making it. 1,507,566; Sept. 9.

Arkell Safety Bag Company. (See Robinson, Francis T., assignor.)

Armentrout, Arthur L., Whittier, Calif., assignor of one-half to The Gulberson Corporation, Dallas, Tex. Pier structure. 1,508,264; Sept. 9.

Arndt, Henry. (See Montgomery, Clifton E., assignor.)

Arnold, Edward E., Coventry, assignor to The Nitrogen Corporation, Providence, R. I. Closure for barrels and the like. 1,507,561; Sept. 9.

Arnold, Edwin H., Coventry, and W. T. Wakeford, assignors to The Nitrogen Corporation, Providence, R. I. Process and apparatus for synthesizing ammonia. 1,507,560; Sept. 9.

Arrowhead Mills Inc. (See Howe, J. H., and Stevens, assignors.)

Aschenbach, Carl, North Plainfield, N. J. Grease retainer for axle housings. 1,507,567; Sept. 9.

Aston, William H., London, England. Captive golf ball. 1,507,904; Sept. 9.

Austin, Winfield A., Green Bay, Wis. Cheese bandage. 1,507,655; Sept. 9.

Automatic Electric Company. (See Richardson, Rodney G., assignor.)

Automatic Electric Shoe Polishing Machine Company, The. (See Trundle, George T., jr., assignor.)

Avery, Anthony, Royal Oak, Mich. Speedway. 1,507,723; Sept. 9.

Babbitt, John F. (See Pilcher, J. V., and Babbitt.)

Babcock, Leland A., Oak Park, Ill. Can opener. 1,507,562; Sept. 9.

Bacon, Allan H., St. Louis, Mo. Cuff button. 1,507,568; Sept. 9.

Bacon, Allan H., St. Louis, Mo. Cuff button. 1,507,569; Sept. 9.

Bailey, Hubert, New York, N. Y. Washing appliance. 1,508,265; Sept. 9.

Ball, James S., St. Louis, Mo. Validating ticket punch. 1,507,570; Sept. 9.

Ballinger, George O. (See Stegall, Ora E., assignor.)

Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Expansion joint for condensers. 1,508,004; Sept. 9.

Bangert, Henry J., Ferguson, Mo. Material spreader. 1,508,210; Sept. 9.

Barber, Orren E. (See Kirk, A. T. and W. T., and Barber.)

Barling, Montague H., Camden Town, London, England. Mouthpiece of tobacco pipes, and cigar and cigarette holders or tubes. 1,507,571; Sept. 9.

Barnett, Thomas B., Birmingham, Ala. Roller attachment for rocking-chairs. 1,508,134; Sept. 9.

Barrie, Charles E., Brattleboro, Vt. Shipping case. 1,508,266; Sept. 9.

Barrows, Frank L., Moscow, Idaho. Attachment for optical instruments. 1,508,043; Sept. 9.

Barry, James J., New York, N. Y. Fish scaler. 1,507,724; Sept. 9.

Bartell, Reinhold, Newark, N. J. Multiple garment presser. 1,508,005; Sept. 9.

Bartosz, Joseph A., Turner, Oreg. Flax-puller attachment for binders. 1,507,656; Sept. 9.

Bate, John W., Racine, Wis. Jack. 1,508,044; Sept. 9.

Beals, Erl V., Boston, Mass. Internal-combustion engine. 1,508,153; Sept. 9.

Bean, Tat H., Amarillo, Tex. Fan-belt tightener. 1,508,081; Sept. 9.

Beasley, Walter H. (See Perkins, W. G., and Beasley.)

Beatty, William E., Bayside, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,507,905; Sept. 9.

Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Making rustless iron and similar alloys. 1,508,241; Sept. 9.

Beeson, Marvin L., San Diego, Calif. Roofing machine. 1,507,764; Sept. 9.

Beeson, Marvin L., Los Angeles, Calif. Electrically-heated trowel. 1,507,807; Sept. 9.

Bellamy, William W., Oakland, Calif. Vehicle jack. 1,508,154; Sept. 9.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Fixture chain. 1,507,808; Sept. 9.

Benner, Raymond C. (See French, H. F., and Benner.)

Bennett, Henry G. (See Williams, A., Bennett, and Rowe.)

Bennett, Inslee T., Edwardsville, Ill. Can opener. 1,507,572; Sept. 9.

Benoist, Eddie, St. Louis, Mo. Figure toy. 1,507,657; Sept. 9.

Benson, Joseph H. (See Izeeh, C. E., Seidell, and Benson.)

Berg, Jacob H., Chicago, Ill. Meat food product and making same. 1,508,155; Sept. 9.

Bergmann, Frederick A., Merrick, N. Y. Oil cup. 1,507,658; Sept. 9.

Bernan, Fréderick W., Hillside, assignor to Ellis Adding Typewriter Company, Newark, N. J. Overdraft key-locking and indicating mechanism for calculating machines. 1,508,267; Sept. 9.

Berry, Anne C., New York, N. Y. Child's and lady's garment. Re15,940; Sept. 9.

Bethenod, Joseph, and M. Latour, Paris, France. Doubly-tuned wireless receiver. 1,507,725; Sept. 9.

Bienenstok, Edgar A., assignor to Milwaukee Tank Works, Milwaukee, Wis. Thermostatic control for volatile fluid pumps. 1,508,045; Sept. 9.

Biesbuns, Richard L., New York, N. Y. Vanity case. 1,507,573; Sept. 9.

Billow, Elmer E., Evanston, assignor of one-half to A. M. Allen, Chicago, Ill. Apparatus for distillation of mineral oils. 1,507,659; Sept. 9.

Blalson, George W., Company. (See Tamberlin, John, assignor.)

Blaw Knox Company. (See Venable, William M., assignor.)

Bliss, Clyde H., Atlanta, Ga. Brick machine. 1,508,212; Sept. 9.

Bliss, Elmer F., Schenectady, N. Y., assignor to General Electric Company. Means for indicating slippage of wheels. 1,508,156; Sept. 9.

Blizzard, Samuel E., Indianapolis, Ind. Auxiliary fuel supplier. 1,507,950; Sept. 9.

Blount, Harry, Oak Park, and H. M. Hallsworth, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Treatment of bright-surfaced materials. 1,508,135; Sept. 9.

Bludworth, William D., Sacramento, Calif. Mechanical horse. 1,507,765; Sept. 9.

Bock, Alfred C. O., Brooklyn, N. Y., assignor to Finger-print Machine Corporation. Finger-print machine. 1,507,882; Sept. 9.

Bock, Olen J. (See Stong, D., and Bock.)

Boeppler, Louis, Oakland, Assignor to The Paraffine Companies, Inc., San Francisco, Calif. Game rack. 1,508,082; Sept. 9.

Bonheim, Frank M., St. Louis, Mo. Roller-shade fixture. 1,507,660; Sept. 9.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,507,574; Sept. 9.

Booth, James S., Detroit, Mich. Spring suspension for vehicles. 1,508,157; Sept. 9.

Borne, Louis A., Milwaukee, Wis. Locking device. 1,507,984; Sept. 9.

Börreson, Börre H., St. Paul, Minn. Mounting certificates or tags on vehicles. 1,508,046. Sept. 9.

Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Shaft hanger. 1,508,006; Sept. 9.

Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Shaft hanger. 1,508,007; Sept. 9.

Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Manufacture of shaft hangers and blanks for same. 1,508,008; Sept. 9.

Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Shaft hanger. 1,508,009; Sept. 9.

Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Coupling for insulators. 1,508,158; Sept. 9.

Bowler, Thomas, North Vancouver, British Columbia, Canada. Valve. 1,508,047; Sept. 9.

Brady, Golden O., Crane, Oreg. Casket. 1,507,726; Sept. 9.

Brandt, Gustav O., assignor to L. A. Young Industries, Inc., Detroit, Mich. Upholstery unit for vehicle bodies and the like. 1,507,810; Sept. 9.

Brazeale, John R., Ozark, Mo. Grip wrench. 1,508,213; Sept. 9.

Bretschneider, Max, assignor to the Firm: Vogtlandische Maschinenfabrik (vormals J. C. & H. Dietrich) Aktiengesellschaft, Plauen, Germany. Shuttle embroidery machine. 1,508,337; Sept. 9.

Britt, Orin W., Emporia, Kans. Fence-wire splicing and stretching tool. 1,507,766; Sept. 9.

Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Vacuum cleaner. 1,508,315; Sept. 9.

Broido, Benjamin, Perth Amboy, N. J., assignor to The Superheater Company, New York, N. Y. Economizer. 1,508,136; Sept. 9.

Brossoit, James J., Salt Lake City, Utah. Forming drill bits. 1,508,268; Sept. 9.

Brouse, Allen G., Duluth, Minn. Turbine bearing. 1,507,575; Sept. 9.

Brown, Carl A., Toledo, Ohio, assignor to General Electric Company. Machine for cutting glass. 1,508,358; Sept. 9.

Brown, Edward C., Bismarck, N. Dak. Lamp-bulb attaching and detaching device. 1,507,576; Sept. 9.

Brown, Fred C., Seattle, Wash. Portable self-heating radiator. 1,507,985; Sept. 9.

Brown, James M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,508,159; Sept. 9.

Brown, Perry O., St. Vincent, Minn. Automatic railway switch. 1,507,811; Sept. 9.

Brown, Wilson S., Liberty, Wash. Antislipping device. 1,508,214; Sept. 9.

Browne, John M., Houston, Tex. Treating pickles. 1,507,577; Sept. 9.

Brune, Louis J., Chicago, Ill. Lock nut. 1,508,316; Sept. 9.

Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Advertising and vending cabinet. Des. 65,555; Sept. 9.

Brunhoff Manufacturing Company, The. (See Brunhoff, Edward, assignor.)

Buchanan, Charles G., East Orange, N. J. Wearing plate for crushers. 1,507,661; Sept. 9.

Buck, Arthur W., St. Louis, Mo. X-ray cassette. 1,507,727; Sept. 9.

Buck, Charles P., Topeka, Kans. Vapor-conservation system. 1,508,048; Sept. 9.

Buckley, Jerry, Mills, Calif. Device for removing leaves from fruit-cleaning liquid. 1,507,951; Sept. 9.

Bugbee & Niles Company. (See Klug, Rufus, assignor.)

Burgard, Joseph A., Oakland, Calif. Signal device. 1,507,728; Sept. 9.

Burgoyne Light & Signal Corporation. (See Olsson, Zacharias, assignor.)

Burlin, Leslie H., Chicago, Ill. Brace member for furniture or similar articles. Des. 65,556; Sept. 9.

Burlin, Leslie H., Chicago, Ill. Base for a pedestal or similar article. Des. 65,557; Sept. 9.

Burlin, Leslie H., Chicago, Ill. Top for a pedestal or similar article. Des. 65,558; Sept. 9.

Burlin, Leslie H., Chicago, Ill. Base for a lamp pedestal or similar article. Des. 65,559; Sept. 9.

Burlin, Leslie H., Chicago, Ill. Bracket for lamp and like stands. Des. 65,560; Sept. 9.

Burlin, Leslie H., Chicago, Ill. Pedestal or similar article. Des. 65,561; Sept. 9.

Burns, Kenneth, and J. W. Stafford, assignors to Starburn Products, Inc., New York, N. Y. Spray device. 1,507,578; Sept. 9.

Burzynski, Lawrence, assignor of one-half to J. M. Seymour, Benton, Ill. Ironing machine. 1,507,812; Sept. 9.

Buschmann, Theodor E., Chemnitz-Kappel, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke, Aktiengesellschaft, Schonau, Chemnitz, Germany. Tabulator for typewriters. 1,508,160; Sept. 9.

Button Attaching Machine Co. (See Ross, Frederick N., assignor.)

Bydall, Otto J., Christiania, Norway. Support device for spouting. 1,508,215; Sept. 9.

C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)

C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Dunston, assignors.)

Cable, Julius L., Boston, Mass. Folding cot. 1,507,906; Sept. 9.

Campbell, Gerald K., Parks, Tex. Brake. 1,508,216; Sept. 9.

Campbell, Henry A., Oakland, Calif. Universal cooking machine. 1,507,883; Sept. 9.

Campbell, Thomas B., jr., Pittsburgh, Pa. Apparatus for drawing sheet glass. 1,508,049; Sept. 9.

Carbide & Carbon Chemicals Corporation. (See Thompson, Harold E., assignor.)

Caribbean Fruit Corporation. (See Duffy, James K., assignor.)

Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. System of selective control. 1,508,359; Sept. 9.

Carley, Leonard R., Watertown, and G. H. Kay, Prospect, Conn. Combined package and toy. 1,507,662; Sept. 9.

Carley, Leonard R., Watertown, and G. H. Kay, Prospect, Conn. Combined package and toy. 1,507,663; Sept. 9.

Carroll, Hugh C., McKeesport, Pa. Metal lath. 1,508,050; Sept. 9.

Carroll, Vetrell, Lowell, Mass. Picker check. 1,507,579; Sept. 9.

Carroll, Walter J., Detroit, Mich. Adjustable combination golf bag and luggage carrier for automobiles. 1,508,051; Sept. 9.

Carter, Charles J., Kansas City, Mo. Flooring. 1,507,813; Sept. 9.

Carter, Robert E., Sykesville, Md. Universal flexible coupling. 1,507,767; Sept. 9.

Cater, William H., Chicago, Ill. Well screen. 1,507,580; Sept. 9.

Cavender, Walter T., Sabinal, Tex. Rotary well-drilling machine. 1,507,986; Sept. 9.

Cavers, Thomas W., Nickelton, Ontario, Canada. Blast-furnace smelting. 1,507,581; Sept. 9.

Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)

Chauvin, Justin E., Montegut, La. Animal trap. 1,508,217; Sept. 9.

Chaviara, John N. (See Gill, J. F., and Chaviara.)

Chemische Fabrik auf Actien (vorm. E. Schering). (See Troester, C., and Emde, assignors.)

Chevreau, Lucien C. J. L., Levallois-Perret, assignor to La Société Chevreau et Régnier Frères Siège Social, Courbevoie, France. Vehicle runner. 1,508,218; Sept. 9.

Chrisman, Clarence C., Martinsburg, Mo. Pump spout. 1,508,269; Sept. 9.

Christensen, Charles P., Blair, Nebr. Engine jack for burning in bearings. 1,507,952; Sept. 9.

Christian, Philip, Bridgeport, Conn. Hairpin. 1,508,161; Sept. 9.

Christmas, Willard C., Boonville, Ind. Faucet. 1,507,582; Sept. 9.

Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Producing high voltage. 1,508,162; Sept. 9.

Circle, Everett, Conlton, Okla. Adjustable shower nozzle. 1,508,010; Sept. 9.

Clark, Frank E., New York, N. Y. Manufacture of steel. 1,508,083; Sept. 9.

Clark, Horace H., Chicago, Ill. Furnace operation. 1,507,664; Sept. 9.

Clark, Horace H., Oak Park, Ill. Furnace operation. 1,507,665; Sept. 9.

Cleveland Tractor Company, The. (See Morgan, Mathew B., assignor.)

Cleveland Tractor Company, The. (See Savage, Edwin H., assignor.)

Cleveland Tractor Company, The. (See White, Rollin H., assignor.)

Clifton, William E., Nottingham, assignor to Cliftophone Limited, London, England. Needle for talking machines and like apparatus. 1,508,163; Sept. 9.

Cliftophone Limited. (See Clifton, William E., assignor.)

Codina, Peter, assignor to The Dauber-Swab Co., Inc., Jersey City, N. J. Swab-assembling machine. 1,507,953; Sept. 9.

Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)

Cole, Eugene M., Charlotte, N. C. Lifting mechanism for molding apparatus. 1,507,954; Sept. 9.

Coleman, George S., New York, N. Y. Moving-picture baseball scoreboard. 1,507,583; Sept. 9.

Collardeau, Jean. (See Altwegg, J., and Collardeau.)

Collins, Cup B., Franklin, Pa. Portable electric light. 1,507,768; Sept. 9.

Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,508,164; Sept. 9.

Collis Company, The. (See Collis, Oliver D., assignor.)

Collis, Oliver D., assignor to The Collis Company, Clinton, Iowa. Egg gauge. 1,508,084; Sept. 9.

Colson Company, The. (See Roe, Mayo E., assignor.)

Columbia Salvage Corporation. (See Allison, Gustave, assignor.)

Colvocoresses, George M. (See Schmidt, W. A., and Colvocoresses.)

Combs, Edgar L., Gwynedd, Pa. Bag holder. 1,507,584; Sept. 9.

Concrete Steel Company. (See Pinger, G. C., and Curley, assignors.)

Conill, Fernan O. (See Karge, M. R., and Conill.)

Connelly, Clyde A., Shelby, Ohio. Door-operating device. 1,508,270; Sept. 9.

Continental Can Company. (See Taylor, William J., jr., assignor.)

Conwell, Rollin N., Bloomfield, N. J. Electrical method and apparatus. 1,508,360; Sept. 9.

Conwell, Rollin N., Bloomfield, N. J. Electrical method and apparatus. 1,508,361; Sept. 9.

Conwell, Rollin N., Bloomfield, N. J. Electrical method and apparatus. 1,508,362; Sept. 9.

Conwell, Rollin N., Bloomfield, N. J. Electrical method and apparatus. 1,508,363; Sept. 9.

Cook, Harmon J., assignor to The Torrington Company, Torrington, Conn. Swager with taper attachment. 1,507,585; Sept. 9.

Cook, Harmon J. (See Perry, R. H., and Cook.)

Cooley, Edward C., assignor to Elgin Auto Tool Company, Elgin, Ill. Cream lifter. 1,507,814; Sept. 9.

Cooper, Elisha H., assignor to The Fafnir Bearing Company, New Britain, Conn. Double-row angular bearing. 1,507,586; Sept. 9.

Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Preparing oxy compounds of tantalum. 1,507,987; Sept. 9.

Cooper, Sidney R., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Speed shaft. 1,508,085; Sept. 9.

Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machines. 1,508,011; Sept. 9.

Cosnd, Albert B., Oakland, Calif. Calculator for pencils. 1,507,907; Sept. 9.

Costello, Joseph, New York, N. Y. Tool handle. 1,508,271; Sept. 9.

Cozine, Benjamin H., Louisville, Ky. Curtain for automobile tops and the like. 1,508,165; Sept. 9.

Crabbs, Herbert J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,508,166; Sept. 9.

Crane, Ernest E., Minneapolis, Minn., assignor to American Manganese Steel Company, Chicago, Ill. Dipper. 1,507,697; Sept. 9.

Craven, William H., Philipsburg, Pa. Ice-cream disher. 1,507,698; Sept. 9.

Crawford, Matthew O., Belmond, Iowa. Mechanical motion. 1,507,908; Sept. 9.

Crawford, Ralph F., Salina, Kans. Rotary fan. 1,508,086; Sept. 9.

Creagmile, John C. (See Horstmann, C. W., and Creagmile.)

Crocco, Gaetano A., and A. Guidoni, Rome, Italy. Motorless aerial winged torpedo. 1,508,317; Sept. 9.

Crowther, Thomas H. (See Fenton, A. M., and Crowther.)

Cuff, James S., Vallejo, Calif. Liquid-level gauge. 1,508,272; Sept. 9.

Cummer, Matthew S., New York, N. Y. Mounting for clamps or vises. 1,507,815; Sept. 9

Curley, James F. (See Pinger, G. C., and Curley.)

Curtiss, George E., assignor to Landers, Frary & Clark, New Britain Conn. Protective device for electrically-heated utensils. 1507,587; Sept. 9.

Cushing, James W., Ionia, Mich. Mounting for tuning radiocircuits. 1,508,167; Sept. 9.

Cutler-Hammer Mfg. Co., The. (See Foote, Edward T., assignor.)

Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)

Cutler-Hammer Mfg. Co. (See Reisbach, G. B., and Sedgwick, assignors.)

Cutler-Hammer Mfg. Co., The. (See Richardson, Linwood T., assignor.)

Cutler-Hammer Mfg. Co., The. (See Seeger, Edwin W., assignor.)

Cyganczuk, Dmytro, Winnipeg, Manitoba, Canada. Pulverizer. 1,507,988; Sept. 9.

Dahlberg, Arthur O., Madison, Wis. Fountain pen. 1,507,729; Sept. 9.

Daimler-Motoren-Gesellschaft. (See Klemm, Hanns, assignor.)

Danielson, Frank, Chicago, Ill. Axle stand. 1,508,012; Sept. 9.

Dann, George E., and G. S. Greene, assignors to The Rattan Mfg. Co., New Haven, Conn. Baby carriage. 1,507,955; Sept. 9.

Dauber-Swab Co. (See Codina, Peter, assignor.)

Davenport, Richard A., Detroit, Mich. Aircraft. 1,507,588; Sept. 9.

Davidson, Clarence B., Unionville, Mo. Key holder. 1,508,273; Sept. 9.

Davies, David B., Green Bay, Wis. Treating paper. 1,508,087; Sept. 9.

Davis, Edgar L., West Frankfort, Ill. Internal-combustion engine. 1,507,666; Sept. 9.

Davis, Patrick H., Leonia, assignor to The Hamilton-Low Company, Jersey City, N. J. Spraying manifold. 1,507,909; Sept. 9.

Davis, William L., Petersburg, Va. Dust cover. 1,508,372; Sept. 9.

Davison, George F., assignor of one-half to D. Riordan, La Salle, Ill. Water-closet construction. 1,507,816; Sept. 9.

Day, Mae R., Casper, Wyo. Button snap. 1,507,817; Sept. 9.

Dayton Malleable Iron Company. (See Runyan, William B., assignor.)

Dayton Steel Foundry Company, The. (See Walther, George, assignor.)

Defenbaugh, Herbert H., Copan, Okla. Sand pump. 1,507,989; Sept. 9.

De Ferranti, Sebastian Z., and G. Wall, assignors to Ferranti, Limited, Hollinwood, England. Electricity meter. 1,508,088; Sept. 9.

Defreese, Charles, La Fayette, Ind. Scoop board. 1,507,818; Sept. 9.

De Mattia, Barthold, Clifton, N. J. Swimming suit. 1,508,274; Sept. 9.

Denker, Charles T. (See Winton, Hugo R., assignor.)

De Sherbinin, Eric M., Toronto, Ontario, Canada, assignor, by mesne assignments, to Paragon Dishwasher Syndicate Incorporated. Union coupling for revoluble pipes. 1,508,168; Sept. 9.

De Sperati, Mariano, Turin, Italy. Preparation of plates for printing by greasy ink. 1,508,089; Sept. 9.

Detrick, Albert L., Jersey City, N. J. Writing instrumentality. 1,508,090; Sept. 9.

De Vries, Peter, assignor to C. B. Van Vorst Company, Los Angeles, Calif. Bureau. Des. 65,562; Sept. 9.

De Waters, Georgianna W., Pittsburgh, Pa. Hinge. 1,508,013; Sept. 9.

Diesel, Harry F., assignor, by mesne assignments, to Equipment Devices Company, Chicago, Ill. Door fastening. 1,508,091; Sept. 9.

Disbro, Roger W., Cleveland Heights, assignor to The W. S. Tyler Co., Cleveland, Ohio. Elevator inclosure and door. 1,507,769; Sept. 9.

Dittrich, Albert, Muhlhausen, Germany, assignor to J. Pauly, Incorporated, New York, N. Y. Device for making hair goods. 1,508,014; Sept. 9.

Ditty, Ralph. (See Reilly, T. A., and Ditty.)

Doane, Samuel E., Cleveland, Ohio, assignor to General Electric Company. Illumination indicator. 1,508,169; Sept. 9.

Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Fastener-inserting machine. 1,507,667; Sept. 9.

Dodd, Riley M., Torrance, Calif. Hose connection. 1,508,275; Sept. 9.

Dodd, Silas N., Toledo, Iowa. Hatching and brooding coop. 1,507,910; Sept. 9.

D'Ollier, Francis W., Moorestown, N. J. Pencil. 1,508,170; Sept. 9.

D'Ollier, Francis W., Moorestown, N. J. Pencil. 1,508,171; Sept. 9.

Domestic Accessories Corporation. (See Hurley, Albert B., assignor.)

Donaldson, Donald C., Lovell,. Wyo. Screw driver. 1,507,990; Sept. 9.
Donnell, Ralph W., Nevada, Mo. Wire-stretcher extension. 1,508,172; Sept. 9.
Downes, Marion A., West Roxbury, Mass. Game. 1,508,092; Sept. 9.
Driscoll, Edward A., New York, N. Y. Telephone installation. 1,507,668; Sept. 9.
Du Bois-Reymond, Alard, deceased, Plon, near Kiel, by E. du Bois-Reymond, administratrix, Hamburg, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Sound producer. 1,507,956; Sept. 9.
Du Bois-Reymond, Elenore, administratrix. (See Du Bois-Reymond, Alard.)
Duffy, James K., assignor to Caribbean Fruit Corporation, New York, N. Y. Flag. Des. 65,563; Sept. 9.
Dunston, Wayne E., Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,508,137; Sept. 9.
Dunston, Wayne E. (See Jandus, H. S., and Dunston.)
Econom, Louis G., New York, N. Y. Combination wrench. 1,507,669; Sept. 9.
Edwards, Arthur W., Sacramento, Calif. Composition wall for caskets. 1,507,957; Sept. 9.
Edwards, Arthur W., Sacramento, Calif. Radiator. 1,508,276; Sept. 9.
Edwards, Charles R., Houston, Tex. Tool joint. 1,507,991; Sept. 9.
Edwards, Edward W., Rock Hill, S. C. Wrapping machine. 1,508,277; Sept. 9.
Egleson, James E., Ridley Park, Pa., assignor to General Chemical Company, New York, N. Y. Diluting acids. 1,508,015; Sept. 9.
Elchman, Cuno, Bucyrus, Ohio, assignor to Turn-Auto Corporation, New York, N. Y. Gripping or fastening means. 1,507,911; Sept. 9.
Eisele, Louis F., Philadelphia, Pa. Shower-bath-stall door. 1,507,670; Sept. 9.
Eldridge, Leonard L., San Antonio, Tex. Building construction. 1,507,912; Sept. 9.
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Elgin Auto Tool Company. (See Cooley, Edward C., assignor.)
Elliott, William S., Pittsburgh, Pa. Apparatus for treatment of liquids. 1,507,699; Sept. 9.
Ellis Adding Typewriter Company. (See Bernan, Frederick W., assignor.)
Ellis, Emory E., Orange, Mass. Tool holder. 1,507,992; Sept. 9.
Ellis, Walter M., Endeavor, Wis. Mechanism for flying machines. 1,508,016; Sept. 9.
Emde, Hermann. (See Troester, C., and Emde.)
Engler, Richard A., Evanston, Ill. Gaseous telephone transmitter. 1,507,884; Sept. 9.
Enterprise Iron Works, The. (See Raymond, Henry L., jr., assignor.)
Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inseam-sewing machine. 1,507,885; Sept. 9.
Equipment Devices Company. (See Abbott, William F., assignor.)
Equipment Devices Company. (See Diesel, Harry F., assignor.)
Erhardt, Oscar P., West Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Graphophone motor. 1,508,093; Sept. 9.
Erwin, Orlando R., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Pail extinguisher. 1,508,173; Sept. 9.
Ezell, Uberto D. (See Tally, Carl E., assignor.)
Faessler, J., Manufacturing Company, The. (See Maupin, Graves R., assignor.)
Fafnir Bearing Company, The. (See Cooper, Elisha H., assignor.)
Falck, Hans J., Notodden, and T. Mejdell, Skoien, near Christiania, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Production of alumina and nitrates. 1,507,993; Sept. 9.
Falls Rubber Company, The. (See Kratz, George D., assignor.)
Farley, James, Hertfordshire, England. Change-speed mechanism. 1,507,819; Sept. 9.
Farmer, William E., Lake Andes, S. Dak. Awning device. 1,508,278; Sept. 9.
Federal Foundry Supply Company, The. (See Reilly, T. A., and Ditty, assignors.)
Fehr, Roy B., Cleveland, Ohio. Rail joint and insert therefor. 1,507,770; Sept. 9.
Fenton, Alexander M., and T. H. Crowther, Cleckheaton, assignors to Scandinavia Belting, Limited, London, England. Production of friction disks, washers, brake linings, and the like. 1,508,094; Sept. 9.
Ferguson, George E. (See MacGregor, P. G., and Ferguson.)
Ferranti, Limited. (See De Ferranti, S. Z., and Wall, assignors.)
Ferris, George L., deceased, McArthur, Ohio; O. E. Vollenweider, administrator. Washing machine. 1,507,589; Sept. 9.
Ferris, Walter, assignor to The Oil Gear Company, Milwaukee, Wis. Broach cleaner. 1,507,771; Sept. 9.
Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric circuits. 1,507,994; Sept. 9.
Fielding, Fred. (See Potter, T., jr., Fielding, and Potter.)
Fielding, James T. (See Potter, T., jr., Fielding, and Potter.)
Files, Adino F., Maumee, Ohio. Powdered butter-coloring material for oleomargarine and butter. 1,507,820; Sept. 9.
Fingerprint Machine Corporation. (See Bock, Alfred C. O., assignor.)
Fisk Rubber Company, The. (See Wolfe, Chase W., assignor.)
Fitch, Albert L., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulation of electrical waves. 1,507,913; Sept. 9.
Fitz Gerald, Alan S., Finchley, England, assignor to General Electric Company. Control of electric switches. 1,508,174; Sept. 9.
Flagg, Roger W., Dobbs Ferry, N. Y. Umbrella holder. 1,507,590; Sept. 9.
Flannery Bolt Company. (See Landgraf, Frederick K., assignor.)
Foamite-Childs Corporation. (See Erwin, Orlando R., assignor.)
Folberth Auto Specialty Company, The. (See Folberth, Fred G., and W. M., assignors.)
Folberth, Fred G., and W. M., assignors to The Folberth Auto Specialty Company, Cleveland, Ohio. Valve for windshield cleaners. 1,507,821; Sept. 9.
Folberth, William M. (See Folberth, Fred G., and W. M.)
Fontaine, Philiza H., Petersburg, N. Dak. Shaft-centerfinding device. 1,508,175; Sept. 9.
Foote, Edward T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for motor-operated valves. 1,508,138; Sept. 9.
Frame, Anise F., assignor of one-half to W. Neeley, South Charleston, W. Va. Safety swinging scaffold. 1,507,822; Sept. 9.
France, Antoine, Liege, Belgium. Coal or other mineral washing apparatus. 1,508,176; Sept. 9.
Frankenberg, Julius, Chicago, Ill. Thermostat for refrigerating apparatus. 1,507,591; Sept. 9.
Franklin, Mark L., Owen Sound, Ontario, Canada. Safety device for irons. 1,508,219; Sept. 9.
Frazier, Floyd E., Iowa City, Iowa. Apparatus for washing milk of magnesia. 1,508,177; Sept. 9.
Freeman, Ida S. (See Miller, George L., assignor.)
French Battery & Carbon Company. (See Graves, John, assignor.)
French, Harry F., and R. C. Benner, Fremont, Ohio, assignors to National Carbon Company, Inc. Dry battery. 1,507,809; Sept. 9.
Frey, Ellsworth, Springfield, Mass., assignor to Frey Variable Speed Gear Company, Variable-speed transmission. 1,508,220; Sept. 9.
Frey Variable Speed Gear Company. (See Frey, Ellsworth, assignor.)
Froke, Ole C., Summit, S. Dak. Automobile curtain. 1,507,914; Sept. 9.
Full, George B., Waukegan, Ill. Lock. 1,508,139; Sept. 9.
Fuller, Archie T., Brampton, Ontario, Canada. Straw-feeding device for thrashing machines. 1,507,730; Sept. 9.
Fuller, Frederick L., Bridgeport, Conn., assignor to The National Cash Register Company, Dayton, Ohio. Combined record sheet and receipt. 1,508,095; Sept. 9.
Funk, George C., Brookline, and M. J. Palson, deceased, Gloucester, Mass.; H. E. Smith, executor. Skating-rink floor. 1,507,592; Sept. 9.
Furlong, Martin J., Houston, Tex. Vehicle. 1,507,995; Sept. 9.
G. A. Serlachius Aktiebolaget. (See Alfthan, Harry, assignor.)
Gage, Samuel, Holloway, London, assignor to The London General Omnibus Company Limited, Broadway, Westminster, England. Vehicle. 1,508,178; Sept. 9.
Gallagher, Alfred H., assignor to Tanners Products Company, Chicago, Ill. Carpet cushion. 1,508,221; Sept. 9.
Galloway, Alexander, Kansas City, Mo. Door-securing means. 1,507,593; Sept. 9.
Gardner, Joseph A., Memphis, Tenn. Artificial-tooth structure. 1,507,823; Sept. 9.
Gardner, Kirtland C., Corapolis Heights, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Coil carrier. 1,507,700; Sept. 9.
Garner, William R., Erie, Pa. Electric motor generator. 1,508,096; Sept. 9.
Gelb, Nathan, Newark, N. J. Sanitary mouthpiece. Re15,911; Sept. 9.
General Chemical Company. (See Egleson, James E., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Alger, Philip L., assignor.)
General Electric Company. (See Bliss, Elmer F., assignor.)
General Electric Company. (See Bower, George W., assignor.)
General Electric Company. (See Brown, Carl A., assignor.)
General Electric Company. (See Carlehoff, Eugene R., assignor.)

General Electric Company. (See Collins, Edgar F., assignor.)
General Electric Company. (See Doane, Samuel E., assignor.)
General Electric Company. (See Fitz Gerald, Alan S., assignor.)
General Electric Company. (See Goff, Robert W., assignor.)
General Electric Company. (See Halverson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Harrison, Ward, assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Howell, Fred B., assignor.)
General Electric Company. (See Krieger, Louis, assignor.)
General Electric Company. (See Leddick, George, assignor.)
General Electric Company. (See Pacz, Aladar, assignor.)
General Electric Company. (See Partzsch, Arthur, assignor.)
General Electric Company. (See Potter, William B., assignor.)
General Electric Company. (See Reist, H. G., and Henningsen, assignors.)
General Electric Company. (See Scott, Carl F., assignor.)
General Electric Company. (See Treanor, Edward D., assignor.)
General Electric Company. (See Valentine, Irving R., assignor.)
General Electric Company. (See White, William C., assignor.)
General Electric Company. (See Young, Arthur P., assignor.)
General Motors Research Corporation. (See Lee, Charles L., assignor.)
General Phonograph Corporation. (See Vasselli, Anthony, assignor.)
Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing hard rubber. 1,507,594; Sept. 9.
Gheen, John W., Los Angeles, Calif. Machine for handling rugs. 1,507,824; Sept. 9.
Giaconazzi, Joseph F. (See Miller, A., and Giaconazzi.)
Gilbert, A. C., Company, The. (See Erhardt, Oscar P., assignor.)
Gill, James F., and J. N. Chaviara, Liverpool, England. Homopolar electric-current generator or motor. 1,507,825; Sept. 9.
Glazer, Max, Dallas, Tex. Bottle. Des. 65,564; Sept. 9.
Godwin, William H., Sumner, Wash. Collar button. 1,508,222; Sept. 9.
Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Impregnating coils. 1,508,179; Sept. 9.
Golden, Charles E. (See Anderson, Edward V., assignor.)
Goldsmith, Maurice, New York, N. Y. Combined vanity and camera case. 1,507,915; Sept. 9.
Goode, William W., Tuskegee Ala. Attachment for plows. 1,507,595; Sept. 9.
Gooden, Robert, Oelwein, Iowa. Light shade. 1,508,180; Sept. 9.
Goodrich, B. F., Company, The. (See Geer, William C., assignor.)
Goudelock, Clyde H., Charlotte, N. C. Auction-bridge score calculator. 1,507,996; Sept. 9.
Gowdy, Robert. (See Schappa, A. M., and Gowdy.)
Granat, Frank P., New York, N. Y. Machine for applying tips to lacings. 1,507,916; Sept. 9.
Granz, Josef, assignor to Vogtlandische Maschinenfabrik, Plauen, Germany. Tambour-frame-driving mechanism. 1,507,772; Sept. 9.
Graves, John, assignor to French Battery & Carbon Company, Madison, Wis. Battery-cell-polishing machine. 1,507,596; Sept. 9.
Gregorie, Charles H., Macon, Ga. Insectproof bread and cake box. 1,507,731; Sept. 9.
Green, Judge, Chattanooga, Tenn. Sand riddle. 1,508,181; Sept. 9.
Greene, Frank S., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Detachable ring for tire rims. 1,507,671; Sept. 9.
Greene, George S. (See Dann, G. E., and Greene.)
Greenwood, Charles H., Canton, Ohio. Sewing machine. 1,507,597; Sept. 9.
Greve, Frederick W., West Lafayette, Ind. Pitometer. 1,508,017; Sept. 9.
Griffith, Jacob R., Kansas City, Mo. Steering-wheel mechanism for automobiles. 1,507,672; Sept. 9.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Ball. Des. 65,565; Sept. 9.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Ball. Des. 65,566; Sept. 9.
Grubman Engineering and Manufacturing Co. (See Grubman, Leo J., assignor.)
Grubman, Leo J., assignor to Grubman Engineering and Manufacturing Co. Inc., New York, N. Y. Sound-producing device for dolls, etc. 1,507,826; Sept. 9.
Gulberson Corporation, The. (See Armentrout, Arthur L., assignor.)
Gulberson Corporation. (See Wilson, Robert A., assignor.)
Guldoni, Alessandro. (See Crocco, G. A., and Guldoni.)
Gustafson, David, Eau Claire, Mich. Combined scale and carrier. 1,507,598; Sept. 9.
Guthrie, Edwin P., San Francisco, Calif. Reeling and unreeling device. 1,508,182; Sept. 9.
Gwynne, Allan L., Portsmouth, assignors to Vickers Limited, Westminster, England. Submarine mine. 1,508,140; Sept. 9.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole machine. 1,507,599; Sept. 9.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole machine. 1,507,701; Sept. 9.
Hagenbeck, Heinrich, Stellingen, and L. Hagenbeck, Lockstedt, near Hamburg, Germany. Animal inclosure. 1,508,318; Sept. 9.
Hagenbeck, Lorenz. (See Hagenbeck, Heinrich and L.)
Hahn, Adolf, Far Rockaway, N. Y. Opera glass or similar article. Des. 65,567; Sept. 9.
Hall, William P., assignor of one-half to E. L. Yow, Worthville, N. C. Window-shade fixture. 1,507 Sept. 9.
Hallam, Thomas J., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,507,600; Sept. 9.
Hallowell, Howard T., Jenkintown, Pa. Lift-truck platform. 1,508,183; Sept. 9.
Hallsworth, Herbert M. (See Blount, H., and Hallsworth.)
Halverson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting unit. Des. 65,568; Sept. 9.
Halverson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting unit. Des. 65,569; Sept. 9.
Hamaker, Rex G., Houston, Tex. Cable bearing for walking beams. 1,507,601; Sept. 9.
Hamilton-Low Company. (See Davis, Patrick H., assignor.)
Hamm, Thomas, Hawthorne, Calif. Cement-gun nozzle. 1,507,773; Sept. 9.
Hammond, Thomas, Pincher Station, Alberta, Canada. Cultivator attachment. 1,507,732; Sept. 9.
Hampton, David L., Fort Worth, Tex. Heating and ventilating system. 1,508,018; Sept. 9.
Hansen, Thorvald, and R. C. F. Kurtze, assignors to A. Smith Corporation, Milwaukee, Wis. Rivet-heading machine. 1,507,958; Sept. 9.
Hanzel, Stanley F., Chicago, Ill. Joker for a playing card. Des. 65,570; Sept. 9.
Harding, Henry O., Minneapolis, Minn. Broiler. 1,507,733; Sept. 9.
Harper, Philip S., Chicago, Ill. Valve. 1,507,828; Sept. 9.
Harris, Joseph B., Buffalo, N. Y. Combined vehicle bumper and road light. 1,507,702; Sept. 9.
Harris, Reginald M., East Orange, N. J. Amusement device. 1,508,319; Sept. 9.
Harrison, Ward, Cleveland, Ohio, assignor to General Electric Company. Lighting fixture. 1,508,184; Sept. 9.
Hartley, Frank P., Bangor, Me. Automatic fire alarm. 1,507,829; Sept. 9.
Hartley, Frank P., Bangor, Me. Fire alarm. 1,507,830; Sept. 9.
Hartley, William, Elwood, Ind. Curtain-pole and shade bracket. 1,507,997; Sept. 9.
Hartmann Auto Safety Light Corporation. (See Hartmann, Charles A., assignor.)
Hartmann, Charles A., San Antonio, Tex., assignor to Hartmann Auto Safety Light Corporation. Headlight-deflector device. 1,508,223; Sept. 9.
Hartmann, Charles A., San Antonio, Tex., assignor to Hartmann Auto Safety Light Corporation. Headlight deflector device. 1,508,224; Sept. 9.
Haselau, Otto K., New York, N. Y. Cooking utensil. 1,507,917; Sept. 9.
Hassler, Robert H., Indianapolis, Ind. Shock-absorber connecting rod. 1,508,097; Sept. 9.
Hastings, William R., Leavenworth, Kans. Mail-box support. 1,508,052; Sept. 9.
Hastrich, Ferdinand, Camperdown, near Sydney, New South Wales, Australia. Flushing cistern. 1,508,098; Sept. 9.
Hatch, Arthur G., Duluth, Minn. Concrete-wall construction. 1,507,831; Sept. 9.
Hawkinson, Henry R. (See Helin, M. E., and Hawkinson.)
Hawley, John B., jr., Colorado Springs, Colo. Internal-combustion engine and the like. 1,508,099; Sept. 9.
Hawley, John B., jr., Colorado Springs, Colo. Induction motor and the like. 1,508,100; Sept. 9.
Haynes, Pierre E., Buffalo, N. Y., assignor to The Linde Air Products Company. Composition of matter comprising a liquefied gas. 1,508,185; Sept. 9.
Hayworth, Virgil H., Santa Fe, N. Mex. Camp stove. 1,507,959; Sept. 9.
Heald, Ernest C., Portland, Oreg. Ready-reference tabulating index for files. 1,507,602; Sept. 9.
Healey, Harry T., Arnold, Pa. Tile die mouthpiece. 1,508,186; Sept. 9.
Heide, Henry, New York, N. Y. Suspender clamp. 1,508,320; Sept. 9.

Heintz, Joseph C., New York, N. Y. Elastic webbing. 1,508,321; Sept. 9.
Heinzinger, Peter S., Monroe, Wash. Logging equipment. 1,507,960; Sept. 9.
Helin, Milton E., and H. R. Hawkinson, Chicago, Ill. Device for holding or locking sandpaper on the rolls of floor-surfacing machines. 1,507,663; Sept. 9.
Heller, Ray J., Lansing, Mich. Earth scraper. 1,508,322; Sept. 9.
Heller, Ray J., Lansing, Mich. Invertible earth scraper. 1,508,323; Sept. 9.
Helsel, William R., Huntingdon, Pa. Vehicle spring equalizer. 1,508,324; Sept. 9.
Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Motor controller. 1,507,734; Sept. 9.
Henderson, Albert, assignor to Henderson Corporation, Pittsburgh, Pa. Concrete building construction. 1,508,325; Sept. 9.
Henderson Corporation. (See Henderson, Albert, assignor.)
Hendrix, John D., Seattle, Wash., assignor to O. Z. Perry, Los Angeles, Calif. Direction-signal lamp for automobiles. 1,508,368; Sept. 9.
Henningsen, Earle S. (See Reist, H. G., and Henningsen.)
Henry, Kenneth M., assignor to Illinois-Pacific Glass Company, San Francisco, Calif. Pan conveyer for furnaces. 1,507,892; Sept. 9.
Hersley, Jesse R., and C. C. Lacy, San Francisco, Calif. Typewriter-securing device. 1,508,326; Sept. 9.
Heron, John, New York, N. Y. Warcraft. 1,507,961; Sept. 9.
Herrmann, Karl L., Detroit, Mich., assignor to Studebaker Corporation. Hobbing machine. Re15,912; Sept. 9.
Hershberger, David C., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilating railway motors. 1,508,225; Sept. 9.
Hibbard, Frank H., Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Jig for assembling coordinate switches. 1,507,962; Sept. 9.
Hick, Hargreaves & Company. (See Johnson, James E., assignor.)
Hicks, William M., Cranford, N. J. Cigarette holder and case. 1,508,053; Sept. 9.
Higgins, Joseph J., Bronx, N. Y. Marble shooter. 1,508,327; Sept. 9.
Hiles, Theron L., Niles, Mich. Gaseous-fuel-supply system. 1,507,886; Sept. 9.
Hill, Anna B., Chicago, Ill. Shield. 1,507,774; Sept. 9.
Hill, Herbert M., New York, N. Y., assignor to Phenix Cheese Company. Packaging machine. 1,508,019; Sept. 9.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,508,364; Sept. 9.
Hinds, Sherwood, Chicago, Ill., assignor to St. Louis Pump & Equipment Company, St. Louis, Mo. Pump. 1,508,370; Sept. 9.
Hoare, Cyril G., Clapham, London, and T. C. Waters, Crofton Park, England. Joint for elbows and knees of artificial limbs. 1,507,998; Sept. 9.
Hoehn, William, Brooklyn, N. Y. Stapling machine. 1,507,773; Sept. 9.
Holdsworth, Arthur, Oak Park, Ill. Winding board. 1,507,604; Sept. 9.
Holmberg, Anders, assignor to Allmanna Ingeniorsbyran H. G. Tornif, Stockholm, Sweden. Sintering fine ores and the like. 1,508,101; Sept. 9.
Holmes Electric Protective Company. (See Summers, Victor E., assignor.)
Holt Auto Devices Company. (See Holt, Edward E., assignor.)
Holt, Edward E., assignor to Holt Auto Devices Company, Chicago, Ill. Valve and the like. 1,508,102; Sept. 9.
Holt, Edward E., assignor to Holt Auto Devices Company, Chicago, Ill. Valve and the like. 1,508,103; Sept. 9.
Holt, Joseph W., Brooklyn, assignor to Union Paper Company, New York, N. Y. Paper-tube-making machine. 1,507,735; Sept. 9.
Holy, George H. E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor suspension structure. 1,508,226; Sept. 9.
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hoosier Clutch Company. (See Wood, Clarence G., assignor.)
Hopkins, Arthur C., Niles, Mich. Pump. 1,508,054; Sept. 9.
Horn, William P. (See Pollock, A. E., and Horn.)
Horstmann, Charles W., Oakland, and J. C. Creagmile, Berkeley, Calif. Brake equalizer. 1,508,328; Sept. 9.
Horton, Thomas, Challis, Idaho. Marking machine. 1,508,329; Sept. 9.
Horwitt, Paul H., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Holder for stacks of sheets. 1,508,020; Sept. 9.
Hosch, Greene C., assignor to The Measuregraph Company, St. Louis, Mo. Remnant-indicating pointer for measuring machines. 1,508,104; Sept. 9.
Howard, Julius G., Chicago, Ill. Adjustable support for window shades. 1,507,918; Sept. 9.
Howard, William H. L. (See Sandstrom, Lewis E., assignor.)
Howe, J. H., and C. E. Stevens, assignors to Arrowhead Mills Inc., Fulton, N. Y. Method and apparatus for treating rags in the production of paper stock. 1,507,605; Sept. 9.
Howell, Fred B., Schenectady, N. Y., assignor to General Electric Company. Siren whistle. 1,508,330; Sept. 9.
Hubbard, Howard, Dill, Okla. Vending machine. 1,507,999; Sept. 9.
Huber, Frederick W., Riverside, Calif., assignor, by mesne assignments, to Western Precipitation Company. Treatment of gases containing dust and fume. 1,508,331; Sept. 9.
Huck, Louis C., Chicago, Ill. Mechanical shifting means for speed transmission mechanisms. 1,507,963; Sept. 9.
Hudson, Thomas G., Marion, Ind. Automobile radiator. 1,507,964; Sept. 9.
Humiston, John M., Berwyn, Ill. Earth-boring machine. 1,507,776; Sept. 9.
Hurley, Albert B., Washington, D. C., assignor to Domestic Accessories Corporation, New York, N. Y. Toothpaste dispenser. 1,508,332; Sept. 9.
Hutchinson, Ely C., Oakland, assignor to Pelton Water Wheel Co., San Francisco, Calif. Fluid-level regulator. 1,508,055; Sept. 9.
Huth, Frederick, Woodhaven, N. Y. Awning attachment. 1,508,333; Sept. 9.
Hydraulic Steel Company, The. (See Greene, Frank S., assignor.)
Ibbott, Harold W., assignor to Negretti and Zambra, London, England. Tube or conduit for the transmission of movement by means of liquids. 1,507,965; Sept. 9.
Illinois-Pacific Glass Company. (See Henry, Kenneth M., assignor.)
Illinois-Pacific Glass Co. (See Plenkharp, C. W., and Raynes, assignors.)
Independent Paper Mills, Inc. (See Horwitt, Paul H., assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Ingalls, Wilbur R., Portland, Me. Camp stove. 1,508,334; Sept. 9.
Ingersoll Band Company. (See Bancel, Paul A., assignor.)
Inglesby, John W., Norfolk, Va. Stenciling machine. 1,507,736; Sept. 9.
International Precipitation Company. (See Schmidt, Walter A., assignor.)
Inter-Ocean Radio Corporation. (See Pollock, A. E., and Horn, assignors.)
Irvine, Frank S., Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,507,966; Sept. 9.
James, Hugh, Montrose, Ill. Safety razor. 1,507,737; Sept. 9.
James, Newton J. (See Mosley, Elzie V., assignor.)
James, William A., Providence, R. I. Diestock. 1,508,335; Sept. 9.
Jamison, Mrs. W. K., et al., trustees. (See Mathewson, S. B., and Jamison, assignors.)
Jamison, Walter K. (See Mathewson, S. B., and Jamison.)
Jamison, Walter K., et al, trustees. (See Mathewson, S. B., and Jamison, assignors.)
Jamison, William J., Seaford, Victoria, Australia. Mold for making concrete articles. 1,508,336; Sept. 9.
Jandus, Herbert S., and W. E. Dunston, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for multiple-bar bumpers. 1,508,141; Sept. 9.
Jansen, Charles F., Milwaukee, Wis. Valve. 1,508,056; Sept. 9.
Janssen, Oscar C., St. Louis, Mo. Internal-combustion engine. 1,507,967; Sept. 9.
Jaray, Paul, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Aircraft shed. 1,508,227; Sept. 9.
Jarmin, James B., Spokane, Wash. Road scarifier. 1,507,833; Sept. 9.
Jensen, Milton, Kansas City, Mo. Carton. 1,508,337; Sept. 9.
Johnson, Albert B., New Britain, Conn. Forceps. 1,507,738; Sept. 9.
Johnson, Arthur J., St. Paul, Minn., assignor to Standard Conveyor Company. Transfer gate for gravity conveyers. 1,508,369; Sept. 9.
Johnson, James E., assignor to Hick, Hargreaves & Company, Limited, Bolton, Lancaster, England. Steam condenser, feed-water heater, and the like. 1,507,834; Sept. 9.
Johnson, John B., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for admitting gas into a vacuum. 1,507,919; Sept. 9.
Johnson, Richard R., Great Falls, Mont. Measuring bowl. 1,507,968; Sept. 9.
Johnson, Robert W., deceased, Pittsburgh, Pa., by Roberts and Schaefer Company, assignee, Chicago, Ill. Picking screen. Re15,913; Sept. 9.
Jones, Paul W., Mobile, Ala., assignor of one-third to G. L. Norman and one-third to E. Walters. Liquid-fuel burner. 1,507,835; Sept. 9.
Jordan, Daniel, Harrison, Nebr. One-man mower control. 1,508,279; Sept. 9.
Kalamazoo Loose Leaf Binder Company. See Wigginton, George P., assignor.)

Kamla, Anna M., Glasgow, Mont. Thread holder. 1,508,105; Sept. 9.
Kane, Thomas H. (See White, H. E., and Kane.)
Karusick, Samuel, New York, N. Y. Magnetic chuck. 1,507,777; Sept. 9.
Karge, Maxwell R., and F. O. Conill, Phoenix, N. Y. Flexible coupling. 1,507,920; Sept. 9.
Karge, Maxwell R., and F. O. Conill, Phoenix, N. Y. Flexible coupling. 1,507,921; Sept. 9.
Kaspar, Franz, Prague, Czechoslovakia. Device for severing and applying stamps or the like to envelopes or other surfaces. 1,508,057; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,571; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,572; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,573; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,574; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,575; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,576; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,577; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,578; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,579; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,580; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,581; Sept. 9.
Kaufman, Harry G., New York, N. Y. Ring. Des. 65,582; Sept. 9.
Kay, George H. (See Carley, L. R., and Kay.)
Kay, Hugo C., Cincinnati, Ohio. Pantograph. 1,508,280; Sept. 9.
Kenvey, John C., South Euclid, and E. J. Reese, Cleveland, Ohio. Shelf-operating means for ovens. 1,507,778; Sept. 9.
Keller, Charles L. (See Lukens, A. R., jr., and Keller.)
Kelly, Charles, assignor to Spray Engineering Company, Boston, Mass. Spray nozzle. 1,508,281; Sept. 9.
Kelly, Frank J., Toronto, Ontario, Canada. Automobile body. 1,507,607; Sept. 9.
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
Kennedy, Charles D., Corpus Christi, Tex. Hemstitching and picoting attachment for sewing machines. 1,508,000; Sept. 9.
Kennedy, Ernest N., London, England. Trunk. 1,508,142; Sept. 9.
Kennedy, Julian, jr., Pittsburgh, Pa. Flying shears. 1,507,703; Sept. 9.
Kenyon, Edwin A., Hamilton, Ontario, Canada. Drilling machine. 1,508,282; Sept. 9.
Kershaw, Joe, Menston, England. Machine or apparatus for dyeing and the like. 1,507,779; Sept. 9.
Kerst, Edgar B., Providence, R. I., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,508,283; Sept. 9.
Key Boiler Equipment Company. (See Key, Frederick E., assignor.)
Key, Frederick E., St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill. Boiler plug. 1,507,739; Sept. 9.
Kidd, Henderson, Chester, Pa., assignor, by mesne assignments, to Scott Paper Company. Shower pipe for paper-making and similar machines. 1,507,608; Sept. 9.
Kilgour, David, jr., Seattle, Wash. Ratchet pipe cutter. 1,507,969; Sept. 9.
King, Clarence R., assignor to Norton Company, Worcester, Mass. Polishing wheel. 1,507,836; Sept. 9.
King, Rufus, Plainville, assignor to Bugbee & Niles Company, North Attleboro, Mass. Clasp. 1,508,338; Sept. 9.
Kirby, Edmund B., New York, N. Y. Operating blast furnaces and similar furnaces. 1,507,740; Sept. 9.
Kirk, Allen T. and W. T., and O. E. Barber, Chicago, Ill. Starter-motor-controlling means. 1,507,741; Sept. 9.
Kirk, William T. (See Kirk, Allen T. and W. T., and Barber.)
Kirkpatrick, Thomas P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of cooling dynamo-electric machines. 1,508,228; Sept. 9.
Klemm, Hanns, Sindelfingen, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Axle for dying machines. 1,508,366; Sept. 9.
Kline, Max, New York, N. Y. Vanity case. 1,508,339; Sept. 9.
Knebel, Curt, Mannheim, Germany. Lubricating device. 1,507,837; Sept. 9.
Kneen, Everett H., Ansonia, Conn. Clip for collapsible tubes. 1,508,143; Sept. 9.
Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Sulphur-containing structure and making same. 1,508,144; Sept. 9.
Kollath, Francis C., and E. M. Schoening, Chicago, Ill. Lamp and guard handle. 1,507,742; Sept. 9.
Kolwes, Rudolf, Berlin, Germany. Large-sized oil tank. 1,508,145; Sept. 9.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Key. 1,508,058; Sept. 9.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Brush. 1,508,059; Sept. 9.
Kovacs, Joseph, and S. Meszaros, Denbo, Pa. Safety envelope. 1,508,284; Sept. 9.
Kratz, George D., Akron, assignor to The Falls Rubber Company, Cuyahoga Falls, Ohio. Making cord tires. 1,507,743; Sept. 9.
Kretzer, Sidney D., St. Louis, Mo. Electrical connecter. 1,507,609; Sept. 9.
Krieger, Louis, Paris, France, assignor to General Electric Company. Preserving batteries. 1,508,371; Sept. 9.
Kroening, Charles J., Evansville, Ind. Ice tongs. 1,508,340; Sept. 9.
Kronman, Edward, New York, N. Y. Sterilizing and water-heating device. 1,508,187; Sept. 9.
Krump, Nic, Chicago, Ill. Bending machine for angle irons. 1,507,838; Sept. 9.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,508,001; Sept. 9.
Kurtze, Reimar C. F. (See Hansen, T., and Kurtze.)
Lacy, Charles C. (See Hensley, J. R., and Lacy.)
Ladd, Earnest W., New York, N. Y. Collar button. 1,507,610; Sept. 9.
La Fayette, Louis N., Plymouth, Mass. Apparatus for treating textile fibers. 1,507,839; Sept. 9.
Laffey, William J., Memphis, Tenn. Safety device for switch engines. 1,508,188; Sept. 9.
La Forge, Frederick B. (See Tooke, C. W., and La Forge.)
Laganke, Charles F., assignor to The Outlook Company, Cleveland, Ohio. Cleaning device for windshields and the like. 1,507,780; Sept. 9.
Lagasse, Aurelius, Fall River, Mass. Snow-melting machine. 1,507,781; Sept. 9.
Lakso, Eino E., Fitchburg, Mass. Double faucet. 1,508,021; Sept. 9.
Landers, Frary & Clark. (See Curtiss, George E., assignor.)
Landgraf, Frederick K., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Providing metal packing between two members. 1,507,840; Sept. 9.
Landgraf, Frederick K., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. 1,507,841; Sept. 9.
La Société Chevreau et Régnier Frères Siège Social. (See Chevreau, Lucien C. J. L., assignor.)
Latham, Julius E., San Francisco, Calif. Charging device for grease guns. 1,508,341; Sept. 9.
Latour, Marius. (See Bethenod, J., and Latour.)
Lauscher, Frank, Powers, Mich. Gravel shaker. 1,508,189; Sept. 9.
Lazier, Arthur A., Buffalo, N. Y. Ore crusher. 1,507,970; Sept. 9.
Ledbetter, Wiley C., Obion, Tenn. Sash holder or fastener. 1,508,190; Sept. 9.
Leddick, George, Schenectady, N. Y., assignor to General Electric Company. Switch-contact finger. 1,508,191; Sept. 9.
Lederer, Friedrich, Milwaukee, Wis. Timer. 1,507,744; Sept. 9.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Apparatus for manufacture of air-cooled cylinders. 1,508,342; Sept. 9.
Lee, Elmer J., Bangor, Pa. Distributor. 1,508,060; Sept. 9.
Leech, Cloyd E., Lima, Ohio. Manhole cover. 1,508,285; Sept. 9.
Leech, Cloyd E., F. O. Seidell, and J. H. Benson, Lima, Ohio. Drier. 1,508,106; Sept. 9.
Leerberg, Nis, Edgewood, assignor to Mesta Machine Company, Pittsburgh, Pa. Gear-planing machine. 1,507,704; Sept. 9.
Leete, Murray B., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 65,583; Sept. 9.
Lefkowitz, Charles, Newark, N. J. Carboy. 1,508,343; Sept. 9.
Leigh, Fred A., Detroit, Mich. Rotary pump. 1,507,611; Sept. 9.
Lesh, Edwin Z., Dayton, Ohio. Bomb shackle. 1,508,192; Sept. 9.
Leslie, Freeland D., Milton, Mass. Hinge connection. 1,508,229; Sept. 9.
Lewis, Miles J., Long Beach, Calif. Circulating tool joint for core barrels and the like. 1,508,230; Sept. 9.
Liedl, Martin, Berlin-Steglitz, Germany. Electromotive drive for calculating machines. 1,507,922; Sept. 9.
Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Connecter. 1,508,373; Sept. 9.
Lillesöe, Jens, Holte, Denmark. Device for tandem seats for motor cycles. 1,508,107; Sept. 9.
Lincoln, Ellis S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,507,612; Sept. 9.
Linde Air Products Company, The. (See Haynes, Pierre E., assignor.)

Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Motor-controlling mechanism. 1,507,923; Sept. 9.
Lion, Oscar, New York, N. Y. Fabric. 1,508,344; Sept. 9.
Litts, Carl F., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 1,507,782; Sept. 9.
Livingston Artificial Limb Company. (See Pecorella, A., and Patricolo, assignors.)
Livingston Artificial Limb Company. (See Pecorella, A., Patricolo, and Apel, assignors.)
Loetscher, Alvin A., Chicago, Ill. Internal-combustion engine. 1,507,842; Sept. 9.
Lombardi, Lamberto, Rome, Italy. Soldering or welding tool. 1,508,108; Sept. 9.
Lomp, Lewis, Baltimore, Md. Bottle washer. 1,507,971; Sept. 9.
London General Omnibus Company Limited. (See Gage, Samuel, assignor.)
Loop, Leonard, Tulsa, Okla. Pump attachment. 1,507,972; Sept. 9.
Lord, James H., Oakland, Calif. Gear-shifting device. 1,508,193; Sept. 9.
Lovejoy, Earle C., Springfield, Mass. Mixing machine. 1,508,109; Sept. 9.
Luber, Solomon, et al. (See Vinal, Charles H., assignor.)
Luce Cane Harvester Corporation. (See Luce, George D., assignor.)
Luce, Emmett E., Swanton, Ohio. Quick-change punch. 1,507,783; Sept. 9.
Luce, George D., Watertown, Wis., assignor to Luce Cane Harvester Corporation, New York, N. Y. Trash impeller. Re15,914; Sept. 9.
Ludlum Steel Company. (See Smith, William H., assignor.)
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Jaray, Paul, assignor.)
Lukens, Alan R., jr., and C. L. Keller, Wyoming, Ohio. Cutting out strip-shingle units. 1,508,365; Sept. 9.
Lung Chan Co. (See O'Brien, Herbert J., assignor.)
Lupo, Joseph, jr., New York, N. Y. Tumbling barrel. 1,508,345; Sept. 9.
Lynch, Edward. (See Young, J. W., and Lynch.)
Mabry, Annie N., New York, N. Y. Bedpan. 1,507,924; Sept. 9.
Maccarone, Fiorentino, Rochester, N. Y. Shoe and manufacturing the same. 1,508,002; Sept. 9.
MacGregor, Peter G., Pequannock, N. J., and G. E. Ferguson, Spring Valley, N. Y., assignors to Pyrene Manufacturing Company. Fire-extinguishing device. 1,507,745; Sept. 9.
Mackenzie, George W., Beaver, Pa. Liquid-measuring apparatus. 1,507,705; Sept. 9.
Macko, Charles, assignor to G. G. Richter, Chicago, Ill. Necktie. 1,508,146; Sept. 9.
Maerz, Frederick K. (See Scott, T., and Maerz.)
Magui, Abel, New York, N. Y., assignor to Royal Art Glass Co. Frame for lamp shades. Des. 65,584; Sept. 9.
Magui, Abel, New York, N. Y., assignor to Royal Art Glass Co. Spindle for lamps, lighting fixtures, or similar articles. Des. 65,585; Sept. 9.
Magui, Abel, New York, N. Y., assignor to Royal Art Glass Co. Base for lighting fixtures or similar articles. Des. 65,586; Sept. 9.
Malin, John H., Peru, Ind. Exhaust or discharge nozzle. 1,507,784; Sept. 9.
Mallory, George W., Blenheim, Ontario, Canada. Door-check. 1,508,003; Sept. 9.
Malsin, Albert, Mount Vernon, N. Y. Fixture for shoes or the like. 1,507,746; Sept. 9.
Marshall, Frederick D., Westminster, London, England. Charging and discharging device. 1,507,843; Sept. 9.
Marshall, Henry H., jr., Garden City, N. Y. Cigarette. 1,507,925; Sept. 9.
Marston, Howard F., et al., trustees. (See Mathewson, S. B., and Jamison, assignors.)
Mas, George N., Lynchburg, Va. Bottle. Des. 65,587; Sept. 9.
Mas, George N., Lynchburg, Va. Bottle. Des. 65,588; Sept. 9.
Mas, George N., Lynchburg, Va. Bottle. Des. 65,589; Sept. 9.
Mas, George N., Lynchburg, Va. Bottle. Des. 65,590; Sept. 9.
Mason, Herbert T., Brookfield, Mass. Tread for boots or shoes. 1,507,844; Sept. 9.
Mathews, Charles O., Devon, Conn. Automobile signal lamp. Des. 65,591; Sept. 9.
Mathewson, Stanley B., and W. K. Jamison, assignors to W. K. Jamison, S. B. Mathewson, H. F. Marston, Mrs. W. K. Jamison, and Mrs. S. B. Mathewson, trustees of the Lecar Carbon Company, a Trust Estate, Springfield, Ohio. Carbonizing compound and making and using it. 1,507,845; Sept. 9.
Mathewson, Stanley B., et al., trustees. (See Mathewson, S. B., and Jamison, assignors.)
Mathewson, Mrs. S. B., et al., trustees. (See Mathewson, S. B., and Jamison, assignors.)
Matlock, Chauncey, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La. Method and apparatus for producing carbon black. 1,508,367; Sept. 9.
Maupin, Graves R., assignor to The J. Faessler Manufacturing Company, Moberly, Mo. Tube expander. 1,507,846; Sept. 9.
Mayer, Abraham, Milwaukee, Wis. Arch supporter. 1,508,110; Sept. 9.
Mayer, Harry, Chicago, Ill. Signal device for motor vehicles. 1,507,847; Sept. 9.
Mayfield, John H., Norfolk, Va. Car-door-fastening device. 1,507,717; Sept. 9.
McAneny, Michael J., Denver, Colo., assignor of one-half to E. N. Strom, Chicago, Ill. Combined pneumatic-tire-inflating and pressure-gauge tool. 1,507,754; Sept. 9.
McArthur, William A., Detroit, Mich. Mute for wind instruments. 1,508,024; Sept. 9.
McBride, Jesse E., assignor to Palmer-Bee Company, Detroit, Mich. Sectional mold-operating device. 1,507,888; Sept. 9.
McCarroll, Walker W., New Haven, Conn. Electrotyper's case. 1,507,616; Sept. 9.
McCarty, Leonard A., Jackson, Ohio. Electric welding tool. 1,507,788; Sept. 9.
McCormick, John E. (See Winters, H. B., and McCormick.)
McDonough, Harry A., et al. (See McDonough, James, assignor.)
McDonough, James, assignor of one-half to W. R. McDonough and one-half to H. A. McDonough, Cleveland, Ohio. Shoe and heel therefor. 1,508,025; Sept. 9.
McDonough, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging device. 1,507,930; Sept. 9.
McDonough, William R., et al. (See McDonough, James, assignor.)
McWilliam, James E., North Oxford, Mass. Signal device for automobiles. 1,507,617; Sept. 9.
Mensuregraph Company, The. (See Hosch, Greene C., assignor.)
Mejdell, Thor. (See Falck, H. J., and Mejdell.)
Mendenhall, Austin A., Duluth, Minn. Shock-absorbing wheel for vehicles. 1,508,231; Sept. 9.
Mendenhall, Clarence M., New Rochelle, N. Y. Water-gauge glass. 1,507,926; Sept. 9.
Merck & Co. (See Rullson, William, assignor.)
Mesta Machine Company. (See Leerberg, Nils, assignor.)
Meszaros, Sandor. (See Kovacs, J., and Meszaros.)
Metals Production Company of North America Incorporated. (See Perkins, W. G., and Beasley, assignors.)
Metz, Hermann A. (See Streitwolf, Karl, assignor.)
Meyer, Gustave A., Detroit, Mich. Rim-removing apparatus. 1,507,748; Sept. 9.
Meyer, Henry, Clinton, Ind. Artificial bait. 1,508,111; Sept. 9.
Michaelson, Leander, Dollar Bay, Mich. Motion-signal and rear-view light for motor vehicles. 1,508,112; Sept. 9.
Miles, Edward F., Lewiston, Me. Filing cabinet. 1,508,022; Sept. 9.
Milky, Otto R., Joplin, Va. Combined roller and rocking chair. 1,507,613; Sept. 9.
Miller, Anthony, Burlingame, and J. F. Giacomazzi, Soledad, Calif. Safety grapple. 1,507,706; Sept. 9.
Miller, Frank E., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Door-operating mechanism. 1,508,113; Sept. 9.
Miller, Frederick E., assignor to St. Louis Cash Register Company, Incorporated, St. Louis, Mo. Cash register. 1,507,749; Sept. 9.
Miller, George L., Seattle, Wash., assignor of one-half to I. S. Freeman, Portland, Oreg. Device for screening water. 1,507,927; Sept. 9.
Miller, Henry F., Waynesville, N. C. Shears. 1,507,614; Sept. 9.
Miller, Herman B., Manatee, Fla. Vehicle spring. 1,507,848; Sept. 9.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transferring circuits for communication systems. 1,507,887; Sept. 9.
Miller, Robert M., Altoona, Pa. Boiler. 1,508,194; Sept. 9.
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Millward, John R., Tenafly, N. J. Rail joint. 1,508,114; Sept. 9.
Milosy, Frank W., Malba, Long Island, N. Y. Repairman's creeper. 1,508,232; Sept. 9.
Milwaukee Tank Works. (See Blenenstok, Edgar A., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mintz, Harry, Mattapan, Mass. Couch, divan, or similar article. Des. 65,593; Sept. 9.
Mitchell, Charles W., Nashville, Tenn. Electric switch lock for automobiles. 1,507,785; Sept. 9.
Mohn, George A., Pottstown, Pa. Water faucet. 1,507,973; Sept. 9.
Molstad, Conrad M., Fosston, Minn. Concrete-road form. 1,507,750; Sept. 9.
Monigan, Michael F., Rosebank, N. Y. Door sign. 1,507,786; Sept. 9.
Monroe-Louisiana Carbon Company. (See Matlock, Chauncey, assignor.)
Montgomery, Clifton E., assignor of one-half to H. Arndt, St. Paul, Minn. Snubber for automobiles. 1,508,346; Sept. 9.
Montgomery, James M., Bery, W. Va., assignor to R. J. Ross, Western Port, Md. Carbide lamp. 1,507,787; Sept. 9.

Montreuil, Joseph O., Quebec, Quebec, Canada. Conduit. 1,508,347; Sept. 9.
Moody, Churchill B., Minneapolis, Minn. Spike socket for railway ties. 1,508,233; Sept. 9.
Moomy, Joseph G., assignor to M. H. Moomy, Erie, Pa. Pipe connection. 1,508,023; Sept. 9.
Moomy, Mary H. (See Moomy, Joseph G., assignor.)
Moore, Robert, Montclair, N. J. Racket. 1,508,286; Sept. 9.
Mornn, Hugh F., Chicago, Ill. Lace-curtain-stretching tool. 1,508,287; Sept. 9.
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morgan, Mathew B., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt. 1,507,751; Sept. 9.
Morgan, Mathew B., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Radiator assembly. 1,507,752; Sept. 9.
Morganstern, Alice, New York, N. Y. Wash or dish cloth. 1,507,797; Sept. 9.
Morin, Georges, Passburg, and M. Piard, Bellevue, Alberta, Canada. Can opener. 1,508,348; Sept. 9.
Morris, Leonard D., Chicago, Ill. Sound amplifier. Des. 65,592; Sept. 9.
Morrison, Buckley, Richmond, Va. Nipple-making machine. 1,507,849; Sept. 9.
Morrison, Ralph D., Mattapan, assignor to Spray Engineering Company, Boston, Mass. Method of and apparatus for effecting humidification. 1,508,234; Sept. 9.
Morton, Dudley J., Philadelphia, Pa. Device for the prevention and treatment of deformed feet. 1,507,928; Sept. 9.
Mosher, Charles D., New York, N. Y. Strainer. 1,507,929; Sept. 9.
Mosier, Horace H., Bristol, Ind. Spoke connection. 1,507,615; Sept. 9.
Mosley, Elzie V., assignor to N. J. James, Caroleen, N. Driving-rod arm. 1,508,235; Sept. 9.
Mueller, Frank E., assignor to Roberts and Schaefer Company, Chicago, Ill. Apparatus for loading coal. 1,508,115; Sept. 9.
Müller, Hans, Dietikon, Switzerland. Warp stop motion. 1,507,753; Sept. 9.
Murdock, Henry D., assignor to Westinghouse Electric & Manufacturing Company, Wilkinsburg, Pa. Control apparatus and system. 1,508,236; Sept. 9.
Murdock, Henry D., assignor to Westinghouse Electric & Manufacturing Company, Wilkinsburg, Pa. Control apparatus and system. 1,508,237; Sept. 9.
Murnane, Daniel J., Chicago Heights, Ill. Window ventilator. 1,508,238; Sept. 9.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Nagel, Theodore, New York, N. Y. Agglomerated finely-divided material and producing the same. 1,507,673; Sept. 9.
Nagel, Theodore, New York, N. Y. Briquetting fine y divided materials. 1,507,674; Sept. 9.
Nagel, Theodore, New York, N. Y. Binding fuel material. 1,507,675; Sept. 9.
Nagel, Theodore, New York, N. Y. Binding fuel material for briquetting finely-divided materials and producing the same. 1,507,676; Sept. 9.
Nagel, Theodore, Brooklyn, N. Y. Binding fuel material and producing same. 1,507,677; Sept. 9.
Nagel, Theodore, Brooklyn, N. Y. Binding fuel material and producing the same. 1,507,678; Sept. 9.
Nagel, Theodore, Brooklyn, N. Y. Fuel. 1,507,679; Sept. 9.
Nantus, Stanley, Oak Park, Ill. Stenciling machine. 1,508,116; Sept. 9.
National Carbon Company. (See French, H. F., and Benner, assignors.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
Neeley, William. (See Frame, Anise F., assignor.)
Negretti and Zambra. (See Ibbott, Harold W., assignor.)
Nelson, David, Brooklyn, N. Y. Tobacco pipe. 1,508,349; Sept. 9.
Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and means for repeating. 1,507,889; Sept. 9.
Niemeyer, William F., assignor of one-half to T. J. Shearer, Brooklyn, N. Y. Game apparatus. 1,508,117; Sept. 9.
Nitrogen Corporation, The. (See Arnold, Edward E., assignor.)
Nitrogen Corporation, The. (See Arnold, E. H., and Wakeford, assignors.)
Noble, Warren, Providence, assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Clutch for axial traction. 1,508,026; Sept. 9.
Nordell, Carl H., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind. Control valve. 1,507,789; Sept. 9.
Nordell, Carl H., assignor to Wayne Tank & Pump Company, Fort Wayne Ind. Float-controlled compound check valve. 1,507,790; Sept. 9.
Norman, Glenn L., et al. (See Jones, Paul W., assignor.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Falck, H. J., and Mejdell, assignors.)
Northup, Charles E., Philmont, N. Y. Ratchet pliers. 1,507,974; Sept. 9.
Norton Company. (See King, Clarence R., assignor.)
Nüsch, Arnold, Basel, Switzerland. Deflating pipe for the stomachs of ruminants. 1,508,288; Sept. 9.
O'Brien, Herbert J., assignor to Lung Chan Co., Inc., San Francisco, Calif. Chip holder. 1,508,239; Sept. 9.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,508,027; Sept. 9.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,508,118; Sept. 9.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,508,119; Sept. 9.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,508,120; Sept. 9.
Ohio Brass Company, The. (See Lincoln, Ellis S., assignor.)
Oil Gear Company, The. (See Ferris, Walter, assignor.)
Olesek, Mike, Cheboygan, Mich. Trundling toy. 1,507,850; Sept. 9.
Oliver, Joel E., Santa Barbara, Calif. Accelerator foot rest. 1,508,289; Sept. 9.
Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Revolution counter. 1,508,121; Sept. 9.
Olson, Ole, Red Wing, Minn. Sewing-machine attachment. 1,507,618; Sept. 9.
Olsson, Zacharias, Westport, Conn., assignor, by mesne assignments, to Burgoyne Light & Signal Corporation, New York, N. Y. Liquid fuel. 1,507,619; Sept. 9.
O'Neal, Luther B., Pensacola, Fla. Block. 1,508,350; Sept. 9.
Oppenheimer, Alfred E., Moline, Ill. Nut and bolt tightening machine. 1,507,620; Sept. 9.
Ormsbee, Charles O., Flint, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Vehicle body and upholstering or wall cushion therefor. 1,507,851; Sept. 9.
Osborn, Alexander C., Clarksburg, W. Va. Automatic door. 1,507,708; Sept. 9.
Outlook Company, The. (See Laganke, Charles F., assignor.)
Pacific Coast Tire and Rubber Manufacturing Company. (See Rutland, Frank E., assignor.)
Packer, Lewis, C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Mounting for sewing-machine motors. 1,508,240; Sept. 9.
Packer, Mortimer L., Columbus, Ohio. Gas burner. 1,507,791; Sept. 9.
Pacz, Aladar, Cleveland, Ohio, assignor to General Electric Company. Metal and its manufacture. 1,508,241; Sept. 9.
Palmer-Bee Company. (See McBride, Jesse E., assignor.)
Palson, Magnus J. (See Funk, G. C., and Palson.)
Paraffine Companies, The. (See Boeppler, Louis, assignor.)
Paragon Dishwasher Syndicate Incorporated. (See De Sherbinin, Eric M., assignor.)
Pardee, Frank, jr., assignor to Anthracite Separator Company, Hazleton, Pa. Spiral separator. 1,507,890; Sept. 9.
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Parker, John R., Winnipeg, Manitoba, Canada. Child's vehicle. 1,507,975; Sept. 9.
Parks, Charles D., Danbury, Conn. Composition of matter for carroting fur and the like. 1,507,891; Sept. 9.
Parks, Charles D., Danbury, Conn. Treated fur and treating the same. 1,507,892; Sept. 9.
Parsons, Osborne H., Halifax, Nova Scotia, Canada. Combination starter for automobiles. 1,508,290; Sept. 9.
Partzsch, Arthur, Berlin, Germany, assignor to General Electric Company. Vacuum gauge. 1,508,242; Sept. 9.
Patricolo, Vincent. (See Pecorella, A., and Patricolo.)
Patricolo, Vincent. (See Pecorella, A., Patricolo, and Apel.)
Patterson-Williams Mfg. Co. (See Williams, Winfield, assignor.)
Pauly, Julius, Incorporated. (See Dittrich, Albert, assignor.)
Peacock, Samuel, Wheeling, W. Va., assignor to W. G. Waldo, Washington, D. C. Producing aluminum chloride and sodium silicate. 1,507,709; Sept. 9.
Pecorella, Alberto, V. Patricolo, Buffalo, and F. H. Apel, Athol Springs, assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y. Artificial limb. 1,507,680; Sept. 9.
Pecorella, Alberto, and V. Patricolo, Buffalo, N. Y., assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y. Artificial limb. 1,507,681; Sept. 9.
Pecorella, Alberto, V. Patricolo, Buffalo, and F. H. Apel, Athol Springs, assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y. Artificial limb. 1,507,682; Sept. 9.
Pecorella, Alberto, V. Patricolo, Buffalo, and F. H. Apel, Athol Springs, assignors, by mesne assignments, to Livingston Artificial Limb Company, New York, N. Y. Artificial limb. 1,507,683; Sept. 9.
Pelton Water Wheel Co. (See Hutchinson, Ely C., assignor.)

Penfield, William S., San Francisco, assignor of one-half to C. Thompson, San Francisco County, Calif. Dispensing faucet. 1,508,291; Sept. 9.
Perkins, Mary, Ypsilanti, Mich. Drop step. 1,507,792; Sept. 9.
Perkins, Walter G. and W. H. Beasley, London, England, assignors to Metals Production Company of North America Incorporated, New York, N. Y. Treatment of refined copper from copper oxide. 1,508,243; Sept. 9.
Perley, George A., Durham, N. H. Process of and apparatus for the manufacture of nitrogen oxide. 1,508,061; Sept. 9.
Perry, Oliver Z. (See Hendrix, John D., assignor.)
Perry, Ralph H., and H. J. Cook, assignors to The Torrington Company, Torrington, Conn. Swager with wedge motion. 1,507,621; Sept. 9.
Petersen, Aaker, Winthrop, Mass. Spindle drive for winding machines. 1,508,244; Sept. 9.
Petracek, Emil, Omaha, Nebr. Latch device. 1,508,245; Sept. 9.
Phenix Cheese Company. (See Hill, Herbert M., assignor.)
Planko, Mendel, Chicago, Ill. Producing dental plates. 1,508,062; Sept. 9.
Plard, Marc. (See Morin, G., and Plard.)
Pilcher, John V., and J. F. Babbitt, Louisville, Ky.; said Babbitt assignor to said Pilcher. Separable button. 1,508,246; Sept. 9.
Pile, Clarence E., Parsons, Kans. File. 1,508,292; Sept. 9.
Pilger, Charles A., Scranton, Pa. Rope friction separator device. 1,508,293; Sept. 9.
Pilkington, Robert G., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Pen clip. 1,507,622; Sept. 9.
Pinger, George C., Bronxville, and J. F. Curl v, Yonkers, assignors to Concrete Steel Company, New York, N. Y. Reenforcing bar. 1,507,755; Sept. 9.
Planet Company, The. (See Schappa, A. M., and Gowdy, assignors.)
Pleukharp, Claude W., and H. Raynes, assignors to Illinois-Pacific Glass Co., San Francisco, Calif. Glass feeder 1,507,852; Sept. 9.
Plym, Francis J., Niles, Mich. Windshield for automobiles. 1,507,625; Sept. 9.
Pohlman, Arthur E., West Allis, Wis. Miniature-aeroplane construction. 1,507,710; Sept. 9.
Polaski, Frank, Granite, Okla. Volatilizing device. 1,508,247; Sept. 9.
Pollak, Fritz, and K. Ripper, Vienna, Austria; said Ripper assignor to said Pollak. Manufacturing condensation products. 1,507,624; Sept. 9.
Pollock, Albert E., New York, and W. P. Horn, Mount Vernon, N. Y., assignors, by mesne assignments, to Inter-Ocean Radio Corporation, Jersey City, N. J. Making plastic articles. 1,507,711; Sept. 9.
Potter, Thomas. (See Potter, T., jr., Fielding, and Potter.)
Potter, Thomas, jr., F. Fielding, J. T. Fielding, and T. Potter, Oldham, England. Ring spinning and doubling frame. 1,508,248; Sept. 9.
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Test tie. 1,508,249; Sept. 9.
Pratt, Cecil F., assignor to Sphinx Products Corporation, San Francisco, Calif. Auxiliary air-inlet device. 1,507,853; Sept. 9.
Press, Jacob H., assignor to Jacob Press Sons, Chicago, Ill. Vehicle body. 1,508,122; Sept. 9.
Press, Jacob, Sons. (See Press, Jacob H., assignor.)
Pressed Steel Car Company. (See Miller, Frank E., assignor.)
Price, Charles S., Bethlehem, Pa. Radiator cap. Des. 65,594; Sept. 9.
Prockter, Walter, Huntington, W. Va. Hoist. 1,507,931; Sept. 9.
Proctor & Schwartz, Incorporated. (See Kerst, Edgar R., assignor.)
Proudfoot, Charles S., Westmont, Pa. Cable equalizer. 1,507,712; Sept. 9.
Pyrene Manufacturing Company. (See MacGregor, P. G., and Ferguson, assignors.)
Radatz, Charles F., Kenosha, Wis. Convertible bed. 1,508,063; Sept. 9.
Radman, Lester W., Buckhannon, W. Va. Time control switch. 1,508,064; Sept. 9.
Ramsay, Erskine, Birmingham, Ala. Mine car. 1,508,123; Sept. 9.
Ramsdell, William T., Haverhill, Mass. Automobile tourist tent. 1,508,065; Sept. 9.
Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,508,250; Sept. 9.
Rapid Calculator Company, The. (See Schuman, Otto P., assignor.)
Rappaport, Jacob A., and W. J. Williams, New York, assignors to Reliance Fireproof Door Co., Brooklyn, N. Y. Fireproof door. 1,507,793; Sept. 9.
Rattan Mfg. Co. (See Dann, G. E., and Greene, assignors.)
Raymond, Henry L., jr., assignor to The Enterprise Iron Works, Indianapolis, Ind. Elevating-truck platform. 1,507,713; Sept. 9.
Raynes, Harry. (See Pleukharp, C. W., and Raynes.)
Reaves, William P., Greensboro, N. C. Eye-testing apparatus. 1,507,714; Sept. 9.
Reaves, William P., Greensboro, N. C. Astigmatic dial. 1,507,715; Sept. 9.
Reddig, Charles E., Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Clothes-ironing machine. 1,507,932; Sept. 9.
Redman, Walter H., East Orange, N. J. Electric hair clipper. 1,507,716; Sept. 9.
Reese, Edward J. (See Keavey, J. C., and Reese.)
Reeves, Donald H., Detroit, Mich., assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill. Hydrocarbon motor. 1,508,294; Sept. 9.
Reidenbach, Herman O., assignor to L. A. Young Industries, Inc., Detroit, Mich. Spring structure. 1,507,854; Sept. 9.
Reidenbach, Herman O., assignor to L. A. Young Industries, Inc., Detroit, Mich. Spring structure. 1,507,855; Sept. 9.
Reilly, Thomas A., and R. Ditty, assignors, by mesne assignments, to The Federal Foundry Supply Company, Cleveland, Ohio. Agricultural machine. 1,507,794; Sept. 9.
Reinhold, John J., Marietta, Pa. Indicating device for typewriters. 1,508,066; Sept. 9.
Reisbach, Gustave B., and H. A. Sedgwick, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Belt conveyer. 1,508,351; Sept. 9.
Reist, Henry G., and E. S. Hennings en, Schenectady, N. Y., assignors to General Electric Company. Dynamo-electric machine. 1,508,251; Sept. 9.
Reliance Fireproof Door Co. (See Rappaport, J. A., and Williams, assignors.)
Renaud, Eugene, Montreal, Quebec, Canada. Razor blade holder. 1,508,295; Sept. 9.
Renaud, Eugene, Montreal, Quebec, Canada. Collar button. 1,508,296; Sept. 9.
Reyes, Ernesto D., San Juan, P. R. Combination entry form for games or contests. 1,508,067; Sept. 9.
Rich, John L., Ottawa, Kans. Extracting petroleum by underground workings. 1,507,717; Sept. 9.
Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,508,297; Sept. 9.
Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,508,298; Sept. 9.
Richardson, Linwood T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Producing molded products. 1,508,124; Sept. 9.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,507,684; Sept. 9.
Richter, George G. (See Macko, Charles, assignor.)
Richter, Paul, Daly City, Calif. Automatic stop for phonographs. 1,508,252; Sept. 9.
Rilling, Georg, Obersontheim, Germany. Wooden tap for wine, cider, or the like. 1,507,718; Sept. 9.
Ringholz, Robert C., Salt Lake City, Utah. Plaster board. 1,507,893; Sept. 9.
Riordan, David. (See Davison, George F., assignor.)
Ripper, Kurt. (See Pollak, F., and Ripper.)
Ritchie, Rush J., Kansas City, Mo., assignor of one-half to F. Spiekerman, Greenwich, Conn. Dehydrator. 1,507,719; Sept. 9.
Roach, William W., Philadelphia, Pa. Friction brake. 1,508,068; Sept. 9.
Roberts and Schaefer Company. (See Johnson, Robert W., assignor.)
Roberts and Schaefer Company. (See Mueller, Frank E., assignor.)
Robertshaw, Charles S., Natchitoches, La. Developing device. 1,507,856; Sept. 9.
Robinson, Alfred T., Saginaw, Mich. Coal hod. 1,507,685; Sept. 9.
Robinson, Charles A., Washington, D. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,507,894; Sept. 9.
Robinson, Charles M., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable fastener. 1,508,352; Sept. 9.
Robinson, Edward A., assignor of one-half to himself and one-half to E. E. Workman, Montreal, Canada. Connecter-head support. 1,507,857; Sept. 9.
Robinson, Francis T., Brooklyn, assignor to Arkell Safety Bag Company, New York, N. Y. Bag-bottom-forming machine. 1,508,125; Sept. 9.
Robinson, William, Morton Grove, Ill. Water-distributing device. 1,508,028; Sept. 9.
Roblin Demerath Co. (See Roblin, Richard O., assignor.)
Roblin, Richard O., Rochester, N. Y., assignor to Roblin Demerath Co., Inc. Humidifier. 1,507,933; Sept. 9.
Rockey, Aron W., Lineville, Iowa. Chick feeder. 1,507,795; Sept. 9.
Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster. 1,507,756; Sept. 9.
Rojas, Floricel A., New York, N. Y. Rheostat. 1,507,895; Sept. 9.
Root, Ralph R., Lakewood, Ohio. Method and apparatus for vulcanizing rubber articles. 1,507,686; Sept. 9.
Rose, Thomas, Ambler, Pa. Asbestos container and making the same. 1,508,069; Sept. 9.
Rosen, Joseph G., Chicago, Ill. Dental syringe. 1,508,070; Sept. 9.
Rosenthal, Harry U., et al. (See Vinal, Charles H., assignor.)
Rosenthal, Sem, New York, N. Y. Cabinet. 1,508,299; Sept. 9.

Ross, Frederick N., assignor to Button Attaching Machine Co., Pontiac, Mich. Button-attaching machine. 1,508,253; Sept. 9.
Ross, John, Richmond Hill, N. Y. Padding for use in pressing operations and the like. 1,507,976; Sept. 9.
Ross, Roscoe J. (See Montgomery, James M., assignor.)
Rowe, Ivo. (See Williams, A., Bennett, and Rowe.)
Rowland, Samuel C., Crawfordsville, Ind. Bumper for motor vehicles. 1,507,934; Sept. 9.
Royal Art Glass Co. (See Magui, Abel, assignor.)
Ruilson, William, Rahway, N. J., assignor to Merck & Co., New York, N. Y. Shaker receptacle. 1,508,126; Sept. 9.
Ruilo, Vincenzo, Eddystone, Pa. Boat-propelling mechanism. 1,508,127; Sept. 9.
Runyan, William R., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Lifting jack. 1,507,625; Sept. 9.
Ruths, Johannes K., Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Apparatus for and method of controlling the water level in steam accumulators. 1,508,254; Sept. 9.
Rutland, Frank E., assignor to Pacific Coast Tire and Rubber Manufacturing Company, Los Angeles, Calif. Tire tread. Des. 65,595; Sept. 9.
Ryder, Gilbert E., Leonia, N. J. Drifting device. 1,508,128; Sept. 9.
Sacks, Abraham, Brooklyn, N. Y. Tassel. 1,508,300; Sept. 9.
St. Louis Cash Register Company. (See Miller, Frederick E., assignor.)
St. Louis Pump & Equipment Company. (See Hinds, Sherwood, assignor.)
Sanders, Oscar C., Galway, N. Y. Horseshoe calk. 1,508,129; Sept. 9.
Samderson, Joseph H., Babylon, N. Y. Cigar case. 1,507,935; Sept. 9.
Sandstrom, Lewis E., Rexburg, Idaho, assignor of one-fourth to W. H. L. Howard, Washington, D. C. Automobile lamp. 1,508,255; Sept. 9.
Sandstrum, Frank R., Dexter, Kans. Wireworking tool. 1,508,071; Sept. 9.
Sanford, Roy S., Los Angeles, Calif. Vehicle brake mechanism. 1,508,195; Sept. 9.
Sanger, Walter E., assignor to Wurster & Sanger, Chicago, Ill. Evaporator. 1,508,130; Sept. 9.
Savage, Edwin H., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt. 1,507,757; Sept. 9.
Saxer, William L., Dushore, Pa. Box lid or cover hook. 1,507,626; Sept. 9.
Scandinavia Belting, Limited. (See Fenton, A. M., and Crowther, assignors.)
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor hanger. 1,508,256; Sept. 9.
Schaefer, George W., Los Angeles, Calif. Shipping crate. 1,507,977; Sept. 9.
Schappa, Albert M., and R. Gowdy, assignors to The Planet Company, Westfield, Mass. Folding booth. 1,508,072; Sept. 9.
Scheel, Herbert, St. Louis, Mo. Lubricating system for rotary-valve motors. 1,508,073; Sept. 9.
Schlatter, John, Rochelle Park, N. J. Vehicle wheel. 1,508,301; Sept. 9.
Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for electrical precipitation of suspended particles from gases. 1,507,687; Sept. 9.
Schmidt, Walter A., Los Angeles, Calif., and G. M. Colvocoresses, assignors to Western Metallurgical Company, Humboldt, Ariz. Recovering metallic values from ores. 1,507,858; Sept. 9.
Schmitt, Francis G., Leetsdale, Pa. Storage-battery terminal. 1,507,936; Sept. 9.
Schmitz, William, New York, N. Y. Automatic burner tip. 1,507,859; Sept. 9.
Schnur, Cyril C., Toronto, Ontario, Canada. Incandescent lamp. 1,508,302; Sept. 9.
Schober, Charles G., Berkeley, Calif. Bathing apparatus. 1,507,860; Sept. 9.
Schoening, Edward M. (See Kollath, F. C., and Schoening.)
Schons, Will, Des Moines, Iowa. Ventilating attachment and heater receptacle for automobiles. 1,507,896; Sept. 9.
Schroder, John H., Minneapolis, Minn. Smoking pipe. 1,507,796; Sept. 9.
Schutt, Herman D., Hull, Iowa. Grain drill. 1,507,688; Sept. 9.
Schuman, Otto P., assignor to The Rapid Calculator Company, Philadelphia, Pa. Calculating machine. 1,508,257; Sept. 9.
Schuppert, Otto, Arrington, Kans. Tongue-supporting means. 1,507,627; Sept. 9.
Schuyler, Robert J., Mexia, Tex. Auxiliary oil saver. 1,507,628; Sept. 9.
Schwarz, Victor, Cleveland, Ohio. Bottle washer. 1,507,861; Sept. 9.
Scott, Carl F., Yonkers, N. Y., assignor to General Electric Company. Engine-testing device. 1,508,353; Sept. 9.
Scott, James W., Falcon, Colo. Rake attachment for agricultural implements. 1,507,937; Sept. 9.
Scott Paper Company. (See Kidd, Henderson, assignor.)
Scott, Thomas, Cleveland, Ohio. Lighting fixture. 1,507,758; Sept. 9.
Scott, Thomas, and F. K. Maerz, Cleveland, Ohio. Combination shade and lamp holder. 1,507,759; Sept. 9.
Scovill Manufacturing Company. (See Robinson, Charles M., assignor.)
Scriven, Edward O., assignor to Western Electric Company, New York, N. Y. Electric wave filter. 1,508,354; Sept. 9.
Seabrook, Bagster R., Misbawaka, Ind. Tone-controlling horn support. 1,507,797; Sept. 9.
Sedgwick, Harry A. (See Reisbach, G. B., and Sedgwick.)
Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,508,131; Sept. 9.
Segal, Samuel, New York, N. Y. Bolt. 1,508,029; Sept. 9.
Seghers, Emiel P., Chicago, Ill. Try-square. 1,507,798; Sept. 9.
Seidell, Frank O. (See Leech, C. E., Seidell, and Benson.)
Seymour, J. M. (See Burzynski, Lawrence, assignor.)
Shantz, Edgar, Rochester, N. Y. Treating vegetable ivory. 1,507,938; Sept. 9.
Shea, John T., Creston, Iowa. Jewel-pin setter. 1,507,799; Sept. 9.
Sheaffer, W. A., Pen Company. (See Litts, Carl F., assignor.)
Shearer, Thomas J. (See Niemeyer, William F., assignor.)
Sheldon, Samuel B., Duluth, Minn. Bottom-making machine for furnaces. 1,507,862; Sept. 9.
Sheppard Envelope Company. (See Sheppard, William H., assignor.)
Sheppard, William H., assignor to Sheppard Envelope Company, Worcester, Mass. Envelope machine. 1,507,863; Sept. 9.
Siegel, Joseph, assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,508,030; Sept. 9.
Signal Gesellschaft mit beschränkter Haftung. (See Du Bois-Reymond, Alard, assignor.)
Sikma, William H., Oakglen, Ill. Bundling device. 1,508,258; Sept. 9.
Simpson, Frederick G., Seattle, Wash. Radio telegraph and telephone receiving system. 1,507,689; Sept. 9.
Simpson, Herbert S., Chicago, Ill. Foundry-sand mixer. 1,508,031; Sept. 9.
Simpson, Willis H., East Orange, N. J. Making calcium arsenate in dry powdered form. 1,507,690; Sept. 9.
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Slavens, Cecil, Mart, Tex. Spare-wheel carrier for vehicles. 1,507,691; Sept. 9.
Smith, A. O., Corporation. (See Hansen, T., and Kurtze, assignors.)
Smith, Dennis W., Wilmette, assignor to Colborne Manufacturing Company, Chicago, Ill. Conveyer mechanism for pie-making machines. 1,507,800; Sept. 9.
Smith, Francis B., San Francisco, Calif. Loading. 1,507,864; Sept. 9.
Smith, Francis H., El Segundo, and G. J. Ziser, Los Angeles, assignors to Standard Oil Company, San Francisco, Calif. Purifying light petroleum oils. 1,507,692; Sept. 9.
Smith, George F., Baltimore, Md. Oven. 1,507,865; Sept. 9.
Smith, Herbert E., executor. (See Funk, G. C., and Palson.)
Smith, Herman A., Florence, S. C. Plow. 1,508,303; Sept. 9.
Smith, Margaret, Owen Sound, Ontario, Canada. Window screen. 1,508,074; Sept. 9.
Smith, Thomas B., jr., Pocatello, Idaho. Milk-closure fastener. 1,507,693; Sept. 9.
Smith, William H., Cleveland, Ohio, assignor to Ludlum Steel Co., Watervliet, N. Y. Corrosion-resisting ferrous alloy. 1,508,032; Sept. 9.
Snow, Isaac, Lawrence, Mass. Shuttle. 1,507,97[illegible] Sept. 9.
Societe Chimique des Usines du Rhone (Anciennement Gilliard P. Monnet et Cartier). (See Altwegg, J., and Collardeau, assignors.)
Sperry Gyroscope Company. (See Zobel, Maurice L., assignor.)
Sphinx Products Corporation. (See Pratt, Cecil F., assignor.)
Spiekerman, Frank. (See Ritchie, Rush J., assignor.)
Spray Engineering Company. (See Kelly, Charles, assignor.)
Spray Engineering Company. (See Morrison, Ralph D., assignor.)
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerntion. 1,508,132; Sept. 9.
Staaf, Werner L., Pittsburgh, Pa. Rotary engine. 1,507,979; Sept. 9.
Stafford, Ion A., Jamestown, N. Y. Metal desk. 1,508,259; Sept. 9.
Stafford, John W. (See Burns, K., and Stafford.)
Standard Conveyor Company. (See Johnson, Arthur J., assignor.)
Standard Oil Company. (See Smith, F. H., and Ziser, assignors.)
Stafburn Products, Inc. (See Burns, K., and Stafford, assignors.)

Stefanik, Anton R., Milwaukee, Wis. Combination flat-iron support and hot-water bottle. 1,508,075; Sept. 9.
Stegall, Ora E., assignor of one-half to G. O. Ballinger, Richmond, Ind. Automatic grave cover. 1,508,196; Sept. 9.
Steinbock, Philip, Amityville, assignor to Steinbock Sewing Machine Corporation, New York, N. Y. Self-lubricating dustproof sewing machine. Re15,915; Sept. 9.
Steinbock Sewing Machine Corporation. (See Steinbock, Philip, assignor.)
Stevens, Charles E. (See Howe, J. H., and Stevens.)
Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
Stoddart, John P., Arica, Chile. Boiler. 1,508,304; Sept. 9.
Stolte, Frederick A., Indianapolis, Ind. Composition pulley. 1,507,866; Sept. 9.
Stong, David, Devils Lake, and O. J. Bock, Cando, N. Dak. Oil pump. 1,508,305; Sept. 9.
Stover, Paul A., assignor to The Stover Signal Engineering Company, Racine, Wis. Combination tail and stop lamp. Des. 65,596; Sept. 9.
Stover Signal Engineering Company, The. (See Stover, Paul A., assignor.)
Strauss, Joseph B., assignor of one-half to C. Weinfeld, Chicago, Ill. Concrete car. 1,507,897; Sept. 9.
Streitwolf, Karl, Hochst-on-the-Main, Germany, assignor to H. A. Metz, New York, N. Y. Manufacture of arseno compound of the pyrazolone series. 1,507,694; Sept. 9.
Strom, E. N. (See McAneny, Michael J., assignor.)
Stromberg Motor Devices Company. (See Reeves, Donald H., assignor.)
Struiso, David, Bronx, N. Y. Folding comb and mirror. 1,508,306; Sept. 9.
Stubbs, Robert C., Dallas, Tex. Measuring drum. 1,507,867; Sept. 9.
Stubbs, Robert C., Dallas, Tex. Maintaining the moisture content constant in subgrades of paving and the like. 1,507,868; Sept. 9.
Studebaker Corporation. (See Herrmann, Karl L., assignor.)
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Grinding machine. 1,507,629; Sept. 9.
Summers, Victor E., Pittsburgh, Pa., assignor to Holmes Electric Protective Company, New York, N. Y. Flexible connecting device for electrical circuits. 1,507,898; Sept. 9.
Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company, Fastener. 1,508,133; Sept. 9.
Sundberg, Sven L., Stockholm, Sweden. Pulsator valve. 1,507,630; Sept. 9.
Superheater Company, The. (See Broido, Benjamin, assignor.)
Sutherland, Edward E., Seattle, Wash. Cabinet table. 1,507,760; Sept. 9.
Sutton, Frank M., Modesto, Calif. Internal-combustion engine. 1,508,260; Sept. 9.
Swartz, Ira T., Indianapolis, Ind. Throttle governor. 1,507,869; Sept. 9.
Tally, Carl E., Crawford, assignor of one-half to U. D. Ezell, Cleburne, Tex. Hose coupling. 1,508,307; Sept. 9.
Tamberlin, John, assignor to The George W. Blabon Company, Philadelphia, Pa. Rug-printing machine. 1,507,899; Sept. 9.
Tanners Products Company. (See Gallagher, Alfred H., assignor.)
Taylor, Bayard E., Oak Park, Ill. Vehicle door lock. 1,507,631; Sept. 9.
Taylor, Israel R., Asbury Park, N. J. Golf-club tool. 1,507,632; Sept. 9.
Taylor, John C., Hermansville, Mich. Testing and truing device. 1,507,633; Sept. 9.
Taylor, William J., jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y. Soldering metal parts. 1,508,076; Sept. 9.
Taylor, William J., jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y. Soldering machine. 1,508,077; Sept. 9.
Templeman, Frank. (See Templeman, John P., and F.)
Templeman, John P., and F., Chicago, Ill. Automobile testing and repair device. 1,507,695; Sept. 9.
Tetzlaff, Benjamin A. (See Vitek, Charles, assignor.)
Tewes, Herman, Hicksville, N. Y. Register. 1,507,801; Sept. 9.
Texas Gulf Sulphur Company. (See Kobbé, William H., assignor.)
Thomas, Alfred J., Braintree, Mass. Device for securing corded tape to edges of shoe uppers. 1,508,197; Sept. 9.
Thomas, Alfred J., Braintree, Mass. Shoe upper. 1,508,198; Sept. 9.
Thomas, George P., Glenshaw, Pa. Metal-punching machine. 1,507,939; Sept. 9.
Thompson, Chadwick. (See Penfield, William S., assignor.)
Thompson, Frank C., Shreveport, La. Safety hook. 1,508,308; Sept. 9.
Thompson, Harold E., Clendenin, W. Va., assignor to Carbide & Carbon Chemicals Corporation, Making gasoline. 1,507,634; Sept. 9.
Thomson, William P., New York, N. Y. Railway rail. 1,507,870; Sept. 9.
Thornton, Frank, jr., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Immersion water heater. 1,508,199; Sept. 9.
Thornton, William P., Chicago, Ill. Process of and apparatus for extracting sulphur from ore. 1,508,355; Sept. 9.
Thorson, Edwin O. (See Thorson, Thorwald, and E. O.)
Thorson, Thorwald, Forest City, and E. O. Thorson, Akron, Iowa. Refrigerator. 1,507,940; Sept. 9.
Tiefenbacher, Thomas B., New York, N. Y. Wrench. 1,508,033; Sept. 9.
Timbs, Edward, Torrance, Calif. Combination Rotary and cable tool drilling rig. 1,507,720; Sept. 9.
Timko, Joseph, New York, N. Y. Fishing reel. 1,508,078; Sept. 9.
Timmons, John S., assignor to Timmons Talker, Inc., Philadelphia, Pa. Loud-speaking device. Des. 65,597; Sept. 9.
Timmons Talker, Inc. (See Timmons, John S., assignor.)
Tooke, Charles W., Syracuse, N. Y., and F. B. La Forge, Washington, D. C. Closure for bottles. 1,508,261; Sept. 9.
Torrington Company, The. (See Cook, Harmon J., assignor.)
Torrington Company, The. (See Perry, R. H., and Cook, assignors.)
Tosadori, Louis P., Beaver Falls, Pa. Apparatus for preparing skins for stitching. 1,507,696; Sept. 9.
Tove, Riven, South Norwalk, Conn. Corset-clasp stay. 1,508,200; Sept. 9.
Townsend, Arthur J., Canton, Ohio. Rolling-mill repeater. 1,507,941; Sept. 9.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Transformer casing. 1,508,201; Sept. 9.
Troester, Carl, Berlin-Lichterfelde, and H. Emde, Berlin-Lankwitz, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Stable vaccine. 1,507,942; Sept. 9.
Trundle, George T., jr., Cleveland, Ohio, assignor, by mesne assignments, to The Automatic Electric Shoe Polishing Machine Company, Bryan, Tex. Shoe-polishing machine. 1,508,202; Sept. 9.
Truscon Steel Company, The. (See White, H. E., and Kane, assignors.)
Tubular Woven Fabric Company. (See Noble, Warren, assignor.)
Tucker, John W. S., Miami, Fla. Safety device. 1,507,802; Sept. 9.
Turchin, Benjamin B., Brooklyn, N. Y. Lady's and child's hat. 1,507,635; Sept. 9.
Turn-Auto Corporation. (See Eichman, Cuno, assignor.)
Twardowsky, John, assignor, by mesne assignments, to Universe Corporation, Chicago, Ill. Refrigerator door seal. 1,507,636; Sept. 9.
Tyler, W. S., Co., The. (See Disbro, Roger W., assignor.)
Tymm, Cecil, Louisville, Ky. Rail bridge. 1,507,803; Sept. 9.
Uebling, Fritz F., Passaic, N. J. Gas filter. 1,508,034; Sept. 9.
Ullman, James A., White Plains, N. Y. Insecticide. 1,507,637; Sept. 9.
Ulmer, Conrad, et al., executors. (See Zeller, Lincoln A.)
Underwood Typewriter Company. (See Corcoran, Cornellus B., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood, Weeden B., assignor to Wilmot Castle Company, Rochester, N. Y. Fusible switch. 1,508,035; Sept. 9.
Union Paper Company. (See Holt, Joseph W., assignor.)
United Engineering and Foundry Company. (See Gardner, Kirtland C., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Hallam, Thomas J., assignor.)
U. S. Ball Bearing Manufacturing Company. (See Cooper, Sidney R., assignor.)
Universe Corporation. (See Twardowsky, John, assignor.)
Urbahn, Eugen, Berlin, Germany. Means for supporting vacuum-jacketed bottles or other receptacles within inclosing casings therefor. 1,508,309; Sept. 9.
Vacuum Oil Company. (See Van Leuven, Lewis B. and H. C., assignors.)
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Electric muffle furnace. 1,508,374; Sept. 9.
Van Houte, Frederik L., The Hague, Netherlands. Telephone mouthpiece. 1,508,310; Sept. 9.
Van Leuven, Harry C. (See Van Leuven, Lewis B. and H. C.)
Van Leuven, Lewis B. and H. C., Woodbury, N. J., assignors to Vacuum Oil Company, New York, N. Y. Foam composition for extinguishing fires. 1,507,943; Sept. 9.

Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-feeding means for coiling, bending, or other wire-forming means. 1,507,871; Sept. 9.
Van Orman, Bert L., Highland Park, assignor to L. A. Young Industries, Incorporated, Detroit, Mich. Metal-working machine. 1,507,872; Sept. 9.
Van Vorst, C. B., Company. (See De Vries, Peter, assignor.)
Vargo, Mike, assignor of one-half to J. F. Yannacci, Yukon, Pa. Cue tip. 1,508,203; Sept. 9.
Vasselli, Anthony, Newark, N. J., assignor, by mesne assignments, to General Phonograph Corporation, New York, N. Y. Sound-reproducing apparatus. 1,508,036; Sept. 9.
Vaughn, Francis W., Medford, assignor to Vaughn-Upton Company, Boston, Mass. Fountain pen. 1,508,311; Sept. 9.
Vaughn-Upton Company. (See Vaughn, Francis W., assignor.)
Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Clamshell bucket. 1,508,037; Sept. 9.
Verhey, Hubert C., Ocean City, N. J. Fishing reel. 1,507,638; Sept. 9.
Vetter, Henry J., New York, N. Y. Book hanger. 1,507,980; Sept. 9.
Vickers Limited. (See Gwynne, Alban L., assignor.)
Vinal, Charles H., Mystic, Conn., assignor to H. P. Rosenthal and S. Luber, New York, N. Y. Toy basket-ball game. 1,508,147; Sept. 9.
Vitek, Charles, Maywood, Ill., assignor to B. A. Tetzlaff, Green Bay, Wis. Clamp. 1,508,038; Sept. 9.
Vogtlandische Maschinenfabrik. (See Granz, Josef, assignor.)
Vogtlandische Maschinenfabrik (vormals J. C. & H. Dietrich Aktiengesellschaft). (See Bretschneider, Max, assignor.)
Vollenweider, O. E., administrator. (See Ferris, George L.)
V. Frommer, Rudolf, Budapest, Hungary. Cartridge extractor for firearms. 1,507,900; Sept. 9.
V. Kando, Kalman, Budapest, Hungary. Rotary electric machine. 1,507,606; Sept. 9.
Waddell, Andrew J. and W. W., Holcomb, Mo. Small-animal trap. 1,507,639; Sept. 9.
Waddell Washington W. (See Waddell, Andrew J. and W. W.)
Waddey, Frank, Franklin, Tenn. Advertising device. 1,507,640; Sept. 9.
Wadell, Albert H., Newark, assignor of one-half to C. E. Anderson, East Orange, N. J. Glare eliminator. 1,507,641; Sept. 9.
Wahl Company, The. (See Pilkington, Robert G., assignor.)
Waite, Guy R., New York, N. Y. Core box for concrete floors. 1,507,721; Sept. 9.
Wakeford, William T. (See Arnold, E. H., and Wakeford.)
Waldo, Willis G. (See Peacock, Samuel, assignor.)
Walker, James A., Lerna, Ill. Seed-corn sheller. 1,507,642; Sept. 9.
Walker, Wallace D., Meadville, Pa. Carrying case. 1,508,204; Sept. 9.
Walkup, Vincent A., Apache, Okla. Resilient wheel. 1,507,804; Sept. 9.
Wall, George. (See De Ferranti, S. Z., and Wall.)
Wallace, R., & Sons Mfg. Co. (See Leete, Murray, assignor.)
Wallmann, Johann G., Oakland, Calif. Electric switch. 1,507,643; Sept. 9.
Walters, Eugene, et al. (See Jones, Paul W., assignor.)
Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,508,312; Sept. 9.
Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. (See Buschmann, Theodor E., assignor.)
Wandersee, Benjamin W., Montrose, Minn. Foot-brake control. 1,507,873; Sept. 9.
Ward, Archibald H. M. J., Mereworth, near Maidstone, England. Piston. 1,508,079; Sept. 9.
Wareing, Saldee R., Maplewood, N. J. Indicating device. 1,507,644; Sept. 9.
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Clock motor. 1,508,205; Sept. 9.
Waterman, William A., Exeter, Calif. Orchard valve. 1,507,874; Sept. 9.
Waters, Edmund J., Asbury Park, N. J. Holder for flash lights. 1,508,206; Sept. 9.
Waters, Thomas C. (See Hoare, C. G., and Waters.)
Wayne Tank & Pump Company. (See Nordell, Carl H., assignor.)
Weber, Jacob H., New York, N. Y. Combined phonograph and radio cabinet. Des. 65,552; Sept. 9.
Wedgeworth, David S., Saucier, Miss. Tool. 1,507,645; Sept. 9.
Wegner, Frederick A., Goshen, Ind. Automobile. 1,508,039; Sept 9.
Weinfeld, Charles. (See Strauss, Joseph B., assignor.)
Weis, Andrew J., and J. Zimmerman, Dayton, Ohio. Glove-cleaning device. 1,507,875; Sept. 9.
Wells, Loren S., New York, N. Y. Electric heater. 1,507,901; Sept. 9.
Western Electric Company. (See Beatty, William E., assignor.)
Western Electric Company. (See Blount, H., and Hallsworth, assignors.)
Western Electric Company. (See Field, Frank E., assignor.)
Western Electric Company. (See Fitch, Albert L., assignor.)
Western Electric Company. (See Hibbard, Frank H., assignor.)
Western Precipitation Company. (See Huber, Frederick W., assignor.)
Western Electric Company. (See Irvine, Frank S., assignor.)
Western Electric Company. (See Johnson, John B., assignor.)
Western Electric Company. (See McDonough, John, assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Robinson, Charles A., assignor.)
Western Electric Company. (See Scriven, Edward O., assignor.)
Western Electric Company. (See Whiting, Donald F., assignor.)
Western Electric Company. (See Wynne, James J., assignor.)
Western Metallurgical Company. (See Schmidt, W. A., and Colvocoresses, assignors.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis, W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hershberger, David C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Holy, George H. F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kirkpatrick, Thomas P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Murdock, Henry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Packer, Lewis C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schanke, William, assignor.)
Westinghouse Electric Products Company. See Thornton, Frank, jr., assignor.)
White, Herbert E., and T. H. Kane, assignors to The Truscon Steel Company, Youngstown, Ohio. Machine for making wire fabric. 1,508,313; Sept. 9.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt. 1,507,761; Sept. 9.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Tractor. 1,507,762; Sept. 9.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,508,356; Sept. 9.
Whiting, Donald F., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmission system. 1,507,763; Sept. 9.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Binder. 1,507,876; Sept. 9.
Wildman Rubber Company, The. (See Wildman, William W., assignor.)
Wildman, William W., assignor to The Wildman Rubber Company, Bay City, Mich. Self-sealing inner tube and producing same. 1,507,646; Sept. 9.
Willenbacher, August, Hackensack, N. J. Lamp-shade holder. 1,507,902; Sept. 9.
Williams, Alfred, H. G. Bennett, and I. Rowe, Sheffield, England. Sharpener for scissors and tools having similar cutting edges. 1,508,314; Sept. 9.
Williams, Warren J. (See Rappaport, J. A., and Williams.)
Williams, William E., Chicago, Ill. Flexible air valve for automobile tires. 1,507,647; Sept. 9.
Williams, Winfield, assignor to Patterson-Williams Mfg. Co., San Jose, Calif. Playground apparatus. 1,507,944; Sept. 9.
Wilmot Pastle Company. (See Underwood, Weeden B., assignor.)
Wilputte, Alice A. (See Wilputte, Louis, assignor.)
Wilputte, Louis, assignor of two-thirds to A. A. Wilputte, New Rochelle, N. Y. Horizontal flue. 1,508,040; Sept. 9.
Wilson, David H., deceased, Wortendyke, N. J.; E. P. Wilson, administratrix. Train signal system. 1,507,948; Sept. 9.
Wilson, E. Pauline, administratrix. (See Wilson, David H., assignor.)
Wilson, Robert A., assignor to Gulberson Corporation, Dallas, Tex. Tool joint. 1,507,877; Sept. 9.

Windle, Randolph T., New York, N. Y. Signal. 1,508,207; Sept. 9.
Winter, Friedrich W., Vienna, Austria. Spray tube for powder. Des. 65,553; Sept. 9.
Winters, Henry B., and J. E. McCormick, Elkhart, Kans.; said Winters assignor to said McCormick. Well-casing coupling. 1,507,981; Sept. 9.
Winton, Hugo R., Chicago, Ill., assignor of one-half to C. T. Denker, Timmins, Ontario, Canada. Strainer and fish trap for water lines. 1,508,041; Sept. 9.
Wise, Huron D., Huntley, Minn. Fishing reel. 1,508,080; Sept. 9.
Wolfe, Chase W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,554; Sept. 9.
Wonsowicz, George, Forks, N. Y. Shade and curtain fixture. 1,507,649; Sept. 9.
Wood, Clarence G., assignor to Hoosier Clutch Company, Muncie, Ind. Clutch-pull collar. 1,507,805; Sept. 9.
Wood, Harry S., London, England. Drying apparatus. 1,507,945; Sept. 9.
Woolcott, William, Winchester, Ky. Automatic weighing machine. 1,507,650; Sept. 9.
Workman, Ellison E. (See Robinson, Edward A., assignor.)
Wright, M. S., Company. (See Wright, Morris S., assignor.)
Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Vacuum cleaning machine. 1,507,878; Sept. 9.
Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Electric vacuum cleaning machine. 1,507,879; Sept. 9.
Wurster & Sanger. (See Sanger, Walter E., assignor.)
Wynne, James J., Roselle Park, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switch-control circuits. 1,507,946; Sept. 9.
Yannacci, Jack F. (See Vargo, Mike, assignor.)
Young, Arthur P., Kenilworth, England, assignor to General Electric Company. Ignition generator. 1,508,262; Sept. 9.
Young, James W., and E. Lynch, Elmira, N. Y. Grabhook. 1,507,651; Sept. 9.
Young, L. A., Industries, Inc. (See Brandt, Gustav O., assignor.)
Young, L. A., Industries, Inc. (See Ormsbee, Charles O., assignor.)
Young, L. A., Industries, Inc. (See Reidenbach, Herman O., assignor.)
Young, L. A., Industries, Inc. (See Van Orman, Bert L., assignor.)
Youngberg, Birger M., Cleveland, Ohio. Ceiling support. 1,507,652; Sept. 9.
Younger, William T., St. Louis, Mo. Clothesline reel. 1,508,263; Sept. 9.
Yow, Edgar L. (See Hall, William P., assignor.)
Zeller, Lincoln A., deceased, New York, N. Y.; W. M. Zeller and C. Ulmer, executors. Gasoline filter. 1,507,806; Sept. 9.
Zeller, William M., et al., executors. (See Zeller, Lincoln A.)
Zimmerman, Joseph. (See Weis, A. J., and Zimmerman.)
Ziser, George J. (See Smith, F. H., and Ziser.)
Zobel, Maurice L., Rosebank, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Compass relay transmitter. 1,507,653; Sept. 9.
Zouvelos, Andrew, Toledo, Ohio. Fruit juice extractor and mixer. 1,507,880; Sept. 9.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator foot rest. J. E. Oliver. 1,508,289; Sept. 9.
Acids, Diluting. J. E. Egleson. 1,508,015; Sept. 9.
Advertising device. F. Waddey. 1,507,640; Sept. 9.
Aeroplane construction, Miniature. A. E. Pohlman. 1,507,710; Sept. 9.
Agglomerated finely-divided material and producing the same. T. Nagel. 1,507,673; Sept. 9.
Agricultural implement. C. E. Anderson. 1,507,982; Sept. 9.
Agricultural implements, Rake attachment for. J. W. Scott. 1,507,937; Sept. 9.
Agricultural machine. T. A. Reilly and R. Ditty. 1,507,794; Sept. 9.
Air-cooled cylinders, Apparatus for manufacture of. C. L. Lee. 1,508,342; Sept. 9.
Aircraft. R. A. Davenport. 1,507,588; Sept. 9.
Aircraft shed. P. Jaray. 1,508,227; Sept. 9.
Air-inlet device, Auxiliary. C. F. Pratt. 1,507,853; Sept. 9.
Alarm: *See*—
Fire alarm.
Alloy, Corrosion-resisting ferrous. W. H. Smith. 1,508,032; Sept. 9.
Alumina and nitrates, Production of. H. J. Falck and T. Mejdell. 1,507,993; Sept. 9.
Aluminum chloride and sodium silicate, Producing. S. Peacock. 1,507,709; Sept. 9.
Ammonia, Process and apparatus for synthesizing. E. H. Arnold and W. T. Wakeford. 1,507,560; Sept. 9.
Amusement device. R. M. Harris. 1,508,319; Sept. 9.
Animal inclosure. H. and L. Hagenbeck. 1,508,318; Sept. 9.
Animal trap. J. E. Chauvin. 1,508,217; Sept. 9.
Animal trap, Small. A. J. and W. W. Waddell. 1,507,639; Sept. 9.
Antislipping device. W. S. Brown. 1,508,214; Sept. 9.
Arch supporter. A. Mayer. 1,508,110; Sept. 9.
Arseno compound of the pyrazolone series, Manufacture of. K. Streitwolf. 1,507,694; Sept. 9.
Asbestos container and making same. T. Rose. 1,508,069; Sept. 9.
Astigmatic dial. W. P. Reaves. 1,507,715; Sept. 9.
Automobile body. F. J. Kelly. 1,507,607; Sept. 9.
Automobile body. F. A. Wegner. 1,508,039; Sept. 9.
Automobile curtain. O. C. Froke. 1,507,914; Sept. 9.
Automobile radiator. T. G. Hudson. 1,507,964; Sept. 9.
Automobile steering-wheel mechanism. J. R. Griffith. 1,507,672; Sept. 9.
Automobile testing and repair device. J. P. and F. Templeman. 1,507,695; Sept. 9.
Automobile tops, Curtain for. B. H. Cozine. 1,508,165; Sept. 9.
Automobile windshield. F. J. Plym. 1,507,623; Sept. 9.
Automobiles, Adjustable combination golf bag and luggage carrier for. W. J. Carroll. 1,508,051; Sept. 9.
Automobiles, Combination starter for. O. H. Parsons. 1,508,290; Sept. 9.
Automobiles, Electric switch lock for. C. W. Mitchell. 1,507,785; Sept. 9.
Automobiles, Signal device for. J. E. McWilliam. 1,507,617; Sept. 9.
Automobiles, Snubber for. C. E. Montgomery. 1,508,346; Sept. 9.
Automobiles, Ventilating attachment and heater receptacle for. W. Schons. 1,507,896; Sept. 9.
Awning attachment. F. Huth. 1,508,333; Sept. 9.
Awning device. W. E. Farmer. 1,508,278; Sept. 9.
Axle housings, Grease retainer for. C. Aschenbach. 1,507,567; Sept. 9.
Axle stand. F. Danielson. 1,508,012; Sept. 9.
Bag-bottom-forming machine. F. T. Robinson. 1,508,125; Sept. 9.
Bag holder. E. L. Combs. 1,507,584; Sept. 9.
Bait, Artificial. H. Meyer. 1,508,111; Sept. 9.
Ball: *See*—
Golf ball.
Ball. R. T. Griffiths. Des. 65,565–6; Sept. 9.
Bar: *See*—
Reenforcing bar.
Barrel, Tumbling. J. Lupo, jr. 1,508,345; Sept. 9.
Barrels and the like, Closure for. E. E. Arnold. 1,507,561; Sept. 9.
Bathing apparatus. C. G. Schober. 1,507,860; Sept. 9.
Batteries, Preserving. L. Krieger. 1,508,371; Sept. 9.
Battery: *See*—
Dry battery.
Battery-cell-polishing machine. J. Graves. 1,507,596; Sept. 9.
Battery terminal, Storage. F. G. Schmitt. 1,507,936; Sept. 9.
Bearing, Double-row angular. E. H. Cooper. 1,507,586; Sept. 9.
Bearing, Turbine. A. G. Brouse. 1,507,575; Sept. 9.
Bed, Convertible. C. F. Radauz. 1,508,063; Sept. 9.
Bedpan. A. N. Mabry. 1,507,924; Sept. 9.
Bedsteads, Corner lock for. H. Richardson. 1,508,297–8; Sept. 9.
Belt conveyer. G. B. Reisbach and H. A. Sedgwick. 1,508,351; Sept. 9.
Belt tightener, Fan. T. H. Bean. 1,508,081; Sept. 9.
Belt, Track. M. B. Morgan. 1,507,751; Sept. 9.
Belt, Track. E. H. Savage. 1,507,757; Sept. 9.
Belt, Track. R. H. White. 1,507,761; Sept. 9.
Bending machine for angle irons. N. Krump. 1,507,838; Sept. 9.
Binder. G. P. Wigginton. 1,507,876; Sept. 9.
Binders, Flax-puller attachment for. J. A. Bartosz. 1,507,656; Sept. 9.
Blast furnaces and similar furnaces, Operating. E. B. Kirby. 1,507,740; Sept. 9.
Block. L. B. O'Neal. 1,508,350; Sept. 9.
Board: *See*—
Plaster board. Winding board.
Scoop board.
Boat-propelling mechanism. V. Rullo. 1,508,127; Sept. 9.
Boiler. R. N. Miller. 1,508,194; Sept. 9.
Boiler plug. F. E. Key. 1,507,739; Sept. 9.
Bolt. S. Segal. 1,508,029; Sept. 9.
Bomb shackle. E. Z. Lesh. 1,508,192; Sept. 9.
Book hanger. H. J. Vetter. 1,507,980; Sept. 9.
Booth, Folding. A. M. Schappa and R. Gowdy. 1,508,072; Sept. 9.
Boots or shoes, Tread for. H. T. Mason. 1,507,844; Sept. 9.
Bottle. M. Glazer. Des. 65,564; Sept. 9.
Bottle. G. N. Mas. Des. 65,587–90; Sept. 9.
Bottle closure. C. W. Tooke and F. B. La Forge. 1,508,261; Sept. 9.
Bottle washer. L. Lomp. 1,507,971; Sept. 9.
Bottle washer. V. Schwarz. 1,507,861; Sept. 9.
Box: *See*—
Bread and cake box.
Box lid or cover hook. W. L. Saxer. 1,507,626; Sept. 9.
Brake: *See*—
Friction brake.
Brake. G. K. Campbell. 1,508,216; Sept. 9.
Brake control, Foot. B. W. Wandersee. 1,507,873; Sept. 9.
Brake equalizer. C. W. Horstmann and J. C. Creagmile. 1,508,328; Sept. 9.
Bread and cake box, Insectproof. C. H. Gregorie. 1,507,731; Sept. 9.
Brick machine. C. H. Bliss. 1,508,212; Sept. 9.
Bridge, Rail. C. Tymm. 1,507,803; Sept. 9.
Bridge score calculator, Auction. C. H. Goudelock. 1,507,996; Sept. 9.
Bright-surfaced materials, Treatment of. H. Blount and H. M. Hallsworth. 1,508,135; Sept. 9.
Briquetting finely-divided materials. T. Nagel. 1,507,674; Sept. 9.
Briquetting finely-divided materials and producing the same, Binding fuel material for. T. Nagel. 1,507,676; Sept. 9.
Broach cleaner. W. Ferris. 1,507,771; Sept. 9.
Broiler. H. O. Harding. 1,507,733; Sept. 9.
Brush. J. Komorous. 1,508,059; Sept. 9.
Bucket, Clamshell. W. M. Venable. 1,508,037; Sept. 9.
Building construction. L. L. Eldridge. 1,507,912; Sept. 9.
Bumper. W. E. Dunston. 1,508,137; Sept. 9.
Bumpers, Clamp for multiple-bar. H. S. Jandus and W. E. Dunston. 1,508,141; Sept. 9.
Bundling device. W. H. Sikma. 1,508,258; Sept. 9.
Bureau. P. De Vries. Des. 65,562; Sept. 9.
Burner: *See*—
Gas burner. Liquid-fuel burner.
Burner tip, Automatic. W. Schmitz. 1,507,859; Sept. 9.
Button-attaching machine. F. N. Ross. 1,508,253; Sept. 9.
Button, Collar. W. H. Godwin. 1,508,222; Sept. 9.
Button, Collar. E. W. Ladd. 1,507,610; Sept. 9.
Button, Collar. E. Renaud. 1,508,296; Sept. 9.

Button, Cuff. A. H. Bacon. 1,507,568–9; Sept. 9.
Button, Separable. J. V. Pilcher and J. F. Babbitt. 1,508,246; Sept. 9.
Button snap. M. R. Day. 1,507,817; Sept. 9.
Cabinet. S. Rosenthal. 1,508,299; Sept. 9.
Cabinet, Advertising and vending. E. Brunhoff. Des. 65,555; Sept. 9.
Cabinet table. E. E. Sutherland. 1,507,760; Sept. 9.
Cable equalizer. C. S. Proudfoot. 1,507,712; Sept. 9.
Calcium arsenate in dry powdered form, Making. W. H. Simpson. 1,507,690; Sept. 9.
Calculating machine. O. P. Schuman. 1,508,257; Sept. 9.
Calculating machines, Electromotive drive for. M. Lledl. 1,507,922; Sept. 9.
Calculating machines, Overdraft key locking and indicating mechanism for. F. W. Bernau. 1,508,267; Sept. 9.
Can opener. L. A. Babcock. 1,507,562; Sept. 9.
Can opener. I. T. Bennett. 1,507,572; Sept. 9.
Can opener. G. Morin and M. Plard. 1,508,348; Sept. 9.
Car, Concrete. J. B. Strauss. 1,507,897; Sept. 9.
Car door fastening device. J. H. Mayfield. 1,507,747; Sept. 9.
Car, Mine. E. Ramsay. 1,508,123; Sept. 9.
Car roof. C. D. Bonsall. 1,507,574; Sept. 9.
Carbon black, Method and apparatus for producing. C. Matlock. 1,508,367; Sept. 9.
Carbonizing compound and making and using it. S. B. Mathewson and W. K. Jamison. 1,507,845; Sept. 9.
Carboy. C. Lefkowitz. 1,508,343; Sept. 9.
Card joker, Playing. S. F. Hanzel. Des. 65,570; Sept. 9.
Carpet cushion. A. H. Gallagher. 1,508,221; Sept. 9.
Carriage, Baby. G. E. Dann and G. S. Greene. 1,507,955; Sept. 9.
Carrier: *See*—
Coil carrier.
Carrying case. W. D. Walker. 1,508,204; Sept. 9.
Carton. M. O. Jensen. 1,508,337; Sept. 9.
Case: *See*—
Carrying case. Shipping case.
Cigar case. Vanity case.
Electrotyper's case.
Cash register. F. E. Miller. 1,507,749; Sept. 9.
Casket. G. O. Brady. 1,507,726; Sept. 9.
Caskets, Composition wall for. A. W. Edwards. 1,507,957; Sept. 9.
Caster. M. E. Roe. 1,507,756; Sept. 9.
Ceiling support. B. M. Youngberg. 1,507,652; Sept. 9.
Cement-gun nozzle. T. Hamm. 1,507,773; Sept. 9.
Chain, Fixture. R. R. Benjamin. 1,507,808; Sept. 9.
Chairs, Roller attachment for rocking. T. B. Barnett. 1,508,134; Sept. 9.
Charging and discharging device. F. D. Marshall. 1,507,843; Sept. 9.
Cheese bandage. W. A. Austin. 1,507,655; Sept. 9.
Chick feeder. A. W. Rockey. 1,507,795; Sept. 9.
Chip holder. H. J. O'Brien. 1,508,239; Sept. 9.
Chuck, Magnetic. S. Karasick. 1,507,777; Sept. 9.
Cigar case. J. H. Sanderson. 1,507,935; Sept. 9.
Cigarette. H. H. Marshall, jr. 1,507,925; Sept. 9.
Cigarette holder and case. W. M. Hicks. 1,508,053; Sept. 9.
Cistern, Flushing. F. Hastrich. 1,508,098; Sept. 9.
Clamp: *See*—
Suspender clamp.
Clamp. C. Vitek. 1,508,038; Sept. 9.
Clamps or vises, Mounting for. M. S. Cumner. 1,507,815; Sept. 9.
Clasp: *See*—
Dental clasp.
Clasp. R. King. 1,508,338; Sept. 9.
Cleaner: *See*—
Broach cleaner. Vacuum cleaner.
Clip: *See*—
Pen clip.
Clock motor. H. E. Warren. 1,508,205; Sept. 9.
Clothes-ironing machine. C. E. Reddig. 1,507,932; Sept. 9.
Clothesline reel. W. T. Younger. 1,508,263; Sept. 9.
Clutch-pull collar. C. G. Wood. 1,507,805; Sept. 9.
Coal, Apparatus for loading. F. E. Mueller. 1,508,115; Sept. 9.
Coal hod. A. T. Robinson. 1,507,685; Sept. 9.
Coal or other mineral washing apparatus. A. France. 1,508,176; Sept. 9.
Coil carrier. K. C. Gardner. 1,507,700; Sept. 9.
Coils, Impregnating. R. W. Goff. 1,508,179; Sept. 9.
Comb and mirror, Folding. D. Stralson. 1,508,306; Sept. 9.
Combination wrench. L. G. Econom. 1,507,669; Sept. 9.
Commutator brush and making it. V. G. Apple. 1,507,566; Sept. 9.
Compass relay transmitter. M. L. Zobel. 1,507,653; Sept. 9.
Concrete articles, Mold for making. W. J. Jamison. 1,508,336; Sept. 9.
Concrete building construction. A. Henderson. 1,508,325; Sept. 9.
Concrete floors, Core box for. G. B. Waite. 1,507,721; Sept. 9.
Concrete-road form. C. M. Molstad. 1,507,750; Sept. 9.
Concrete wall construction. A. G. Hatch. 1,507,831; Sept. 9.
Condensation products, Manufacturing. F. Pollak and K. Ripper. 1,507,624; Sept. 9.
Condensers, Expansion joint for. P. A. Bancel. 1,508,004; Sept. 9.
Conduit. J. O. Montreuil. 1,508,347; Sept. 9.
Connecter. E. N. Lightfoot. 1,508,373; Sept. 9.
Connecter-head support. E. A. Robinson. 1,507,857; Sept. 9.
Control apparatus and system. H. D. Murdock. 1,508,236–7; Sept. 9.
Cooking utensil. O. K. Haselau. 1,507,917; Sept. 9.
Coop, Hatching and brooding. S. N. Dodd. 1,507,910; Sept. 9.
Copper from copper oxide, Treatment of refined. W. G. Perkins and W. H. Beasley. 1,508,243; Sept. 9.
Core barrels, Circulating tool joint for. M. J. Lewis. 1,508,230; Sept. 9.
Corn sheller, Seed. J. A. Walker. 1,507,642; Sept. 9.
Corset. J. Siegel. 1,508,030; Sept. 9.
Corset-clasp stay. R. Tove. 1,508,200; Sept. 9.
Cot, Folding. J. L. Cable. 1,507,906; Sept. 9.
Couch, divan, or similar article. H. Mintz. Des. 65,593; Sept. 9.
Counter, Revolution. J. K. Olsen. 1,508,121; Sept. 9.
Coupling: *See*—
Flexible coupling. Universal flexible coupling.
Hose coupling. Well-casing coupling.
Insulator coupling.
Crate, Shipping. G. W. Schaefer. 1,507,977; Sept. 9.
Cream lifter. E. C. Cooley. 1,507,814; Sept. 9.
Crusher: *See*—
Ore crusher.
Crushers, Wearing plate for. C. G. Buchanan. 1,507,661; Sept. 9.
Cue tip. M. Vargo. 1,508,203; Sept. 9.
Cultivator attachment. T. Hammond. 1,507,732; Sept. 9.
Cup: *See*—
Oil cup.
Current collector. E. S. Lincoln. 1,507,612; Sept. 9.
current motors, Squirrel-cage winding for alternating. P. L. Alger. 1,508,152; Sept. 9.
Curtain-pole and shade bracket. W. Hartley. 1,507,997; Sept. 9.
Cushion: *See*—
Carpet cushion.
Cutter: *See*—
Pipe cutter.
Dehydrator. R. J. Ritchie. 1,507,719; Sept. 9.
Dental clasp. H. Aderer. 1,507,947; Sept. 9.
Dental plates, Producing. M. Pianko. 1,508,062; Sept. 9.
Dental syringe. J. G. Rosen. 1,508,070; Sept. 9.
Desk, Metal. I. A. Stafford. 1,508,259; Sept. 9.
Developing device. C. S. Robertshaw. 1,507,856; Sept. 9.
Die mouthpiece, Flue. H. T. Healey. 1,508,186; Sept. 9.
Diestock. W. A. James. 1,508,325; Sept. 9.
Dipper. E. E. Crane. 1,507,697; Sept. 9.
Distributor. E. J. Lee. 1,508,060; Sept. 9.
Dolls, etc., Sound-producing device for. L. J. Grubman. 1,507,826; Sept. 9.
Door, Automatic. A. C. Osborn. 1,507,708; Sept. 9.
Doorcheck. G. W. Mallory. 1,508,003; Sept. 9.
Door fastening. H. F. Diesel. 1,508,091; Sept. 9.
Door, Fireproof. J. A. Rappaport and W. J. Williams. 1,507,793; Sept. 9.
Door-operating device. C. A. Connelly. 1,508,270; Sept. 9.
Door-operating mechanism. F. E. Miller. 1,508,113; Sept. 9.
Door-securing means. A. Galloway. 1,507,593; Sept. 9.
Drier. E. B. Kerst. 1,508,283; Sept. 9.
Drier. C. E. Leech, F. O. Seidell, and J. H. Benson. 1,508,106; Sept. 9.
Drifting device. G. E. Ryder. 1,508,128; Sept. 9.
Drill: *See*—
Grain drill.
Drill bits, Forming. J. J. Brossoit. 1,508,268; Sept. 9.
Drilling machine. E. A. Kenyon. 1,508,282; Sept. 9.
Drilling machine, Rotary well. W. T. Cavender. 1,507,986; Sept. 9.
Drilling rig, Combination rotary and cable tool. E. Timbs. 1,507,720; Sept. 9.
Dry battery. H. F. French and R. C. Benner. 1,507,809; Sept. 9.
Drying apparatus. H. S. Wood. 1,507,945; Sept. 9.
Dust cover. W. L. Davis. 1,508,372; Sept. 9.
Dyeing and the like, Machine or apparatus for. J. Kershaw. 1,507,779; Sept. 9.
Earth-boring machine. J. M. Humiston. 1,507,776; Sept. 9.
Economizer. B. Broido. 1,508,136; Sept. 9.
Egg gauge. O. D. Collis. 1,508,084; Sept. 9.
Elastic webbing. J. C. Heintz. 1,508,321; Sept. 9.
Electric circuits. F. E. Field. 1,507,994; Sept. 9.
Electric-current generator or motor, Homopolar. J. F. Gill and J. N. Chaviara. 1,507,825; Sept. 9.
Electric furnace. E. F. Collins. 1,508,164; Sept. 9.
Electric heater. L. S. Wells. 1,507,901; Sept. 9.
Electric light, Portable. C. B. Collins. 1,507,768; Sept. 9.
Electric machine, Dynamo. H. G. Reist and E. S. Hennigsen. 1,508,251; Sept. 9.
Electric machine, Rotary. K. v. Kando. 1,507,606; Sept. 9.

Electric machines, System of cooling dynamo. T. P. Kirkpatrick. 1,508,228; Sept. 9.
Electric motor generator. W. R. Garner. 1,508,096; Sept. 9.
Electric muffle furnace. I. R. Valentine. 1,508,374; Sept. 9.
Electric switch. J. G. Wallmann. 1,507,643; Sept. 9.
Electric switch control. A. S. Fitz Gerald. 1,508,174; Sept. 9.
Electric wave filter. E. O. Scriven. 1,508,354; Sept. 9.
Electrical circuits, Flexible connecting device for. V. E. Summers. 1,507,898; Sept. 9.
Electrical connecter. S. D. Kretzer. 1,507,609; Sept. 9.
Electrical method and apparatus. R. N. Conwell. 1,508,360–3; Sept. 9.
Electrical waves, Modulation of. A. L. Fitch. 1,507,913; Sept. 9.
Electrically-heated utensils, Protective device for. G. E Curtiss. 1,507,587; Sept. 9.
Electricity meter. S. Z. de Ferranti and G. Wall. 1,508,088; Sept. 9.
Electron discharge device. W. C. White. 1,508,356; Sept. 9.
Electrotyper's case. W. W. McCarroll. 1,507,616; Sept. 9.
Elevator inclosure and door. R. W. Disbro. 1,507,769; Sept. 9.
Engine: *See*—
Internal-combustion engine. Rotary engine.
Engine jack for burning in bearings. C. P. Christensen 1,507,952; Sept. 9.
Engine-testing device. C. F. Scott. 1,508,353; Sept. 9.
Engines, Safety device for switch. W. J. Laffey. 1,508,188; Sept. 9.
Envelope machine. W. H. Sheppard. 1,507,863; Sept. 9.
Envelope, Safety. J. Kovacs and S. Meszaros. 1,508,284; Sept. 9.
Evaporator. W. E. Sanger. 1,508,130; Sept. 9.
Eye-testing apparatus. W. P. Reaves. 1,507,714; Sept. 9.
Fabric. O. Lion. 1,508,344; Sept. 9.
Fan, Rotary. R. F. Crawford. 1,508,086; Sept. 9.
Fastener. G. Sundback. 1,508,133; Sept. 9.
Fastener-inserting machine. S. A. Dobyne. 1,507,667; Sept. 9.
Fastener-inserting machine. T. J. Hallam. 1,507,600; Sept. 9.
Faucet. W. C. Christmas. 1,507,582; Sept. 9.
Faucet, Dispensing. W. S. Penfield. 1,508,291; Sept. 9.
Faucet, Double. E. E. Lakso. 1,508,021; Sept. 9.
Faucet, Water. G. A. Mohn. 1,507,973; Sept. 9.
Feet, Device for the prevention and treatment of deformed. D. J. Morton. 1,507,928; Sept. 9.
Fibers, Apparatus for treating textile. L. N. La Fayette 1,507,839; Sept. 9.
File. C. E. Pile. 1,508,292; Sept. 9.
Filing cabinet. E. F. Miles. 1,508,022; Sept. 9.
Filter, Gas. F. F. Uehling. 1,508,034; Sept. 9.
Filter, Gasoline. L. A. Zeller. 1,507,806; Sept. 9.
Fingerprint machine. A. C. O. Bock. 1,507,882; Sept. 9.
Fire alarm. F. P. Hartley. 1,507,830; Sept. 9.
Fire alarm, Automatic. F. P. Hartley. 1,507,829; Sept. 9.
Fire-extinguishing device. P. G. MacGregor and G. E. Ferguson. 1,507,745; Sept. 9.
Fires, Foam composition for extinguishing. L. B. and H. C. Van Leuven. 1,507,943; Sept. 9.
Firearm. H. G. Alfos. 1,507,881; Sept. 9.
Firearms, Cartridge extractor for. R. v. Frommer. 1,507,900; Sept. 9.
Fish sealer. J. J. Barry. 1,507,724; Sept. 9.
Fishing reel. J. Timko. 1,508,078; Sept. 9.
Fishing reel. H. C. Verhey. 1,507,638; Sept. 9.
Fishing reel. H. D. Wise. 1,508,080; Sept. 9.
Flag. J. K. Duffy. Des. 65,563; Sept. 9.
Flash-light holder. E. J. Waters. 1,508,206; Sept. 9.
Flatiron support and hot-water bottle, Combination. A. R. Stefanik. 1,508,075; Sept. 9.
Flexible coupling. M. R. Karge and F. O. Conill. 1,507,920–1; Sept. 9.
Flooring. C. J. Carter. 1,507,813; Sept. 9.
Flue, Horizontal. L. Wilputte. 1,508,040; Sept. 9.
Fluid-level regulator. E. C. Hutchinson. 1,508,055; Sept. 9.
Flying-machine axle. H. Klemm. 1,508,366; Sept. 9.
Flying-machine mechanism. W. M. Ellis. 1,508,016; Sept. 9.
Flying shears. J. Kennedy, jr. 1,507,703; Sept. 9.
Food product and making same, Meat. J. H. Berg. 1,508,155; Sept. 9.
Forceps. A. B. Johnson. 1,507,738; Sept. 9.
Friction brake. W. W. Roach. 1,508,068; Sept. 9.
Friction disks, washers, brake linings and the like, Production of. A. M. Fenton and T. H. Crowther. 1,508,094; Sept. 9.
Fruit-juice extractor and mixer. A. Zouvelos. 1,507,880; Sept. 9.
Fuel. T. Nagel. 1,507,679; Sept. 9.
Fuel material and producing same, Binding. T. Nagel. 1,507,677–8; Sept. 9.
Fuel material, Binding. T. Nagel. 1,507,675; Sept. 9.
Fuel supplies, Auxiliary. S. E. Blizzard. 1,507,950; Sept. 9.
Fur and the like, Composition of matter for carroting. C. D. Parks. 1,507,891; Sept. 9.
Fur and treating the same, Treated. C. D. Parks. 1,507,892; Sept. 9.
Furnace: *See*—
Electric furnace. Electric muffle furnace.
Furnace operation. H. H. Clark. 1,507,664–5; Sept. 9.
Furnaces, Bottom-making machine for. S. B. Sheldon. 1,507,862; Sept. 9.
Furnaces, Pan conveyer for. K. M. Henry. 1,507,832; Sept. 9.
Furniture or similar articles, Brace member for. L. H. Burlin. Des. 65,556; Sept. 9.
Fusible switch. W. B. Underwood. 1,508,035; Sept. 9.
Game. M. A. Downes. 1,508,092; Sept. 9.
Game apparatus. W. F. Niemeyer. 1,508,117; Sept. 9.
Game rack. L. Boeppler. 1,508,082; Sept. 9.
Games or contests, Combination entry form for. E. D. Reyes. 1,508,067; Sept. 9.
Garment, Child's and lady's. A. C. Berry. Re15,910; Sept. 9.
Garment presser, Multiple. R. Bartell. 1,508,005; Sept. 9.
Gas burner. M. L. Packer. 1,507,791; Sept. 9.
Gas, Composition of matter comprising a liquefied. P. E. Haynes. 1,508,185; Sept. 9.
Gas into a vacuum, Apparatus and method for admitting. J. B. Johnson. 1,507,919; Sept. 9.
Gaseous-fuel-supply system. T. L. Hiles. 1,507,886; Sept. 9.
Gases containing dust and fume, Treatment of. F. W. Huber. 1,508,331; Sept. 9.
Gases, Method and apparatus for electrical precipitation of suspended particles from. W. A. Schmidt. 1,507,687; Sept. 9.
Gasoline, Making. H. E. Thompson. 1,507,634; Sept. 9.
Gauge: *See*—
Egg gauge. Vacuum gauge.
Liquid-level gauge.
Gauging device. J. McDonough. 1,507,930; Sept. 9.
Gear-planing machine. N. Leerberg. 1,507,704; Sept. 9.
Gear-shifting device. J. H. Lord. 1,508,193; Sept. 9.
Generator: *See*—
Electric motor generator. Ignition generator.
Glare eliminator. A. H. Wadell. 1,507,641; Sept. 9.
Glass: *See*—
Water-gauge glass.
Glass, Apparatus for drawing sheet. T. B. Campbell, jr. 1,508,049; Sept. 9.
Glass feeder. C. W. Pleukharp and H. Raynes. 1,507,852; Sept. 9.
Glass, Machine for cutting. C. A. Brown. 1,508,358; Sept. 9.
Glove-cleaning device. A. J. Weis and J. Zimmerman. 1,507,875; Sept. 9.
Golf ball, Captive. W. H. Aston. 1,507,904; Sept. 9.
Golf-club tool. I. R. Taylor. 1,507,632; Sept. 9.
Governor, Throttle. I. T. Swartz. 1,507,869; Sept. 9.
Grabhook. J. W. Young and E. Lynch. 1,507,651; Sept. 9.
Grain drill. H. D. Schuett. 1,507,688; Sept. 9.
Graphophone motor. O. P. Erhardt. 1,508,093; Sept. 9.
Grapple, Safety. A. Miller and J. F. Giacomazzi. 1,507,706; Sept. 9.
Grave cover, Automatic. O. E. Stegall. 1,508,196; Sept. 9.
Grinding machine. T. J. Sturtevant. 1,507,629; Sept. 9.
Grip wrench. J. R. Brazeale. 1,508,213; Sept. 9.
Gripping or fastening means. C. Eichman. 1,507,911; Sept. 9.
Guns, Charging device for grease. J. E. Latham. 1,508,341; Sept. 9.
Hair clipper, Electric. W. H. Redman. 1,507,716; Sept. 9.
Hair goods, Device for making. A. Dittrich. 1,508,014; Sept. 9.
Hairpin. P. Christian. 1,508,161; Sept. 9.
Handle: *See*—
Tool handle.
Hanger: *See*—
Book hanger. Trolley-conductor hanger.
Shaft hanger.
Hat, Lady's and child's. B. B. Turchin. 1,507,635; Sept. 9.
Headlight-deflector device. C. A. Hartmann. 1,508,223–4; Sept. 9.
Heater: *See*—
Electric heater.
Heating and ventilating system. D. L. Hampton. 1,508,018; Sept. 9.
Heels of footwear, Supporting device for. M. Achart. 1,508,208; Sept. 9.
Hinge. G. W. De Waters. 1,508,013; Sept. 9.
Hinge connection. F. D. Leslie. 1,508,229; Sept. 9.
Hobbing machine. K. L. Herrmann. Re15,912; Sept. 9.
Hoist. W. Prockter. 1,507,931; Sept. 9.
Hook: *See*—
Grab hook. Safety hook.
Horn support, Tone-controlling. B. R. Seabrook. 1,507,797; Sept. 9.
Horseshoe calk. O. C. Sanders. 1,508,129; Sept. 9.
Hose connection. R. M. Dodd. 1,508,275; Sept. 9.
Hose coupling. C. E. Tally. 1,508,307; Sept. 9.
Humidification, Method of and apparatus for effecting. R. D. Morrison. 1,508,234; Sept. 9.
Humidifier. R. O. Roblin. 1,507,953; Sept. 9.
Hydrocarbon motor. D. H. Reeves. 1,508,294; Sept. 9.

Ice-cream disher. W. H. Craven. 1,507,698; Sept. 9.
Ice tongs. C. J. Kroening. 1,508,340; Sept. 9.
Ignition generator. A. P. Young. 1,508,262; Sept. 9.
Illumination indicator. S. E. Doane. 1,508,169; Sept. 9.
Index for files, Ready-reference tabulating. E. C. Heald. 1,507,602; Sept. 9.
Indicating device. S. R. Wareing. 1,507,644; Sept. 9.
Indicator: *See*—
Illumination indicator.
Induction motor. J. B. Hawley, jr. 1,508,100; Sept. 9.
Inner tube and producing same, Self-sealing. W. W. Wildman. 1,507,646; Sept. 9.
Insecticide. J. A. Ullman. 1,507,637; Sept. 9.
Insole machine. J. B. Hadaway. 1,507,599; Sept. 9.
Insole machine. J. B. Hadaway. 1,507,701; Sept. 9.
Insulator. J. M. Brown. 1,508,159; Sept. 9.
Insulator. K. C. Randall. 1,508,250; Sept. 9.
Insulator coupling. G. W. Bower. 1,508,158; Sept. 9.
Internal-combustion engine. E. V. Beals. 1,508,153; Sept. 9.
Internal-combustion engine. E. L. Davis. 1,507,666; Sept. 9.
Internal-combustion engine. J. B. Hawley, jr. 1,508,099; Sept. 9.
Internal combustion engine. O. C. Janssen. 1,507,967; Sept. 9.
Internal-combustion engine. A. A. Loetscher. 1,507,842; Sept. 9.
Internal-combustion engine. F. M. Sutton. 1,508,260; Sept. 9.
Iron and similar alloys, Making rustless. F. M. Becket. 1,508,211; Sept. 9.
Irons, Safety device for. M. L. Franklin. 1,508,219; Sept. 9.
Ironing machine. L. Burzynski. 1,507,812; Sept. 9.
Jack: *See*—
Lifting jack. Vehicle jack.
Jack. J. W. Bate. 1,508,044; Sept. 9.
Jewel-pin setter. J. T. Shea. 1,507,799; Sept. 9.
Joint: *See*—
Rail joint. Tool joint.
Key. J. Romorous. 1,508,058; Sept. 9.
Key holder. C. B. Davidson. 1,508,273; Sept. 9.
Lace-curtain-stretching tool. H. F. Moran. 1,508,287; Sept. 9.
Lacings, Machine for applying tips to. F. P. Granat. 1,507,916; Sept. 9.
Lamp and guard handle. F. C. Kollath and E. M. Sc. oening. 1,507,742; Sept. 9.
Lamp and like stands, Bracket for. L. H. Burlin. Des. 65,560; Sept. 9.
Lamp, Automobile. L. E. Sandstrom. 1,508,255; Sept. 9.
Lamp, Automobile signal. C. O. Mathews. Des. 65,591; Sept. 9.
Lamp-bulb attaching and detaching device. E. C. Brown. 1,507,576; Sept. 9.
Lamp, Carbide. J. M. Montgomery. 1,507,787; Sept. 9.
Lamp, Combination tail and stop. P. A. Stover. Des. 65,596; Sept. 9.
Lamp for automobiles, Direction-signal. J. D. Hendrix. 1,508,368; Sept. 9.
Lamp, Incandescent. C. C. Schnur. 1,508,302; Sept. 9.
Lamp-shade frame. A. Magui. Des. 65,584; Sept. 9.
Lamp-shade holder. A. Willenbacher. 1,507,902; Sept. 9.
Lamps, lighting fixtures, or similar articles, Spindle for. A. Magui. Des. 65,585; Sept. 9.
Latch device. E. Petracek. 1,508,245; Sept. 9.
Lath, Metal. H. C. Carroll. 1,508,050; Sept. 9.
Leaves from fruit-cleaning liquid, Device for removing. J. Buckley. 1,507,951; Sept. 9.
Lifter: *See*—
Cream lifter.
Lifting jack. W. B. Runyan. 1,507,625; Sept. 9.
Light: *See*—
Electric light.
Light shade. R. Gooden. 1,508,180; Sept. 9.
Lighting fixture. W. Harrison. 1,508,184; Sept. 9.
Lighting fixture. T. Scott. 1,507,758; Sept. 9.
Lighting fixtures or similar articles, Base for. A. Magui. Des. 65,586; Sept. 9.
Lighting unit. C. A. B. Halvorson, jr. Des. 65,568–9; Sept. 9.
Limb, Artificial. A. Pecorella and V. Patricolo. 1,507,681; Sept. 9.
Limb, Artificial. A. Pecorella, V. Patricolo, and F. H. Apel. 1,507,680; Sept. 9.
Limb, Artificial. A. Pecorella, V. Patricolo, and F. H. Apel. 1,507,682–3; Sept. 9.
Limbs, Joint for elbows and knees of artificial. C. G. Hoare and T. C. Waters. 1,507,998; Sept. 9.
Liquid fuel. Z. Olsson. 1,507,619; Sept. 9.
Liquid-fuel burner. P. W. Jones. 1,507,835; Sept. 9.
Liquid-level gauge. J. S. Cuff. 1,508,272; Sept. 9.
Liquid-measuring apparatus. G. W. Mackenzie. 1,507,705; Sept. 9.
Liquids, Apparatus for treatment of. W. S. Elliott. 1,507,699; Sept. 9.
Loading. F. B. Smith. 1,507,864; Sept. 9.
Lock: *See*—
Vehicle door lock.
Lock. G. D. Full. 1,508,139; Sept. 9.
Locking device. L. A. Borne. 1,507,984; Sept. 9.
Logging equipment. P. S. Heinzinger. 1,507,960; Sept. 9.
Loud-speaking device. J. S. Timmons. Des. 65,597; Sept. 9.
Lubricating device. C. Knebel. 1,507,837; Sept. 9.
Magnesia, Apparatus for washing milk of. F. E. Frazier. 1,508,177; Sept. 9.
Mail-bag catching and delivering apparatus. A. Amiot. 1,508,042; Sept. 9.
Mail-box support. W. R. Hastings. 1,508,052; Sept. 9.
Manhole cover. C. E. Leech. 1,508,285; Sept. 9.
Manifold, Spraying. P. H. Davis. 1,507,909; Sept. 9.
Marble shooter. J. J. Higgins. 1,508,327; Sept. 9.
Marking machine. T. Horton. 1,508,329; Sept. 9.
Measuring bowl. R. R. Johnson. 1,507,968; Sept. 9.
Measuring drum. R. C. Stubbs. 1,507,867; Sept. 9.
Measuring machines, Remnant-indicating pointer for. G. C. Hosch. 1,508,104; Sept. 9.
Mechanical horse. W. D. Bludworth. 1,507,765; Sept. 9.
Mechanical motion. M. O. Crawford. 1,507,908; Sept. 9.
Metal and its manufacture. A. Paez. 1,508,241; Sept. 9.
Metal-punching machine. G. P. Thomas. 1,507,939; Sept. 9.
Metal-working machine. B. L. Van Orman. 1,507,872; Sept. 9.
Meter: *See*—
Electricity meter.
Milk-closure fastener. T. B. Smith, jr. 1,507,693; Sept. 9.
Mine, Submarine. A. L. Gwynne. 1,508,140; Sept. 9.
Mixer: *See*—
Sand mixer.
Mixing machine. E. C. Lovejoy. 1,508,109; Sept. 9.
Mold-operating device, Sectional. J. E. McBride. 1,507,888; Sept. 9.
Molded products, Producing. L. T. Richardson. 1,508,124; Sept. 9.
Molding apparatus, Lifting mechanism for. E. M. Cole. 1,507,954; Sept. 9.
Motor: *See*—
Clock motor. Hydrocarbon motor.
Graphophone motor. Induction motor.
Motor controller. M. Hemleb. 1,507,734; Sept. 9.
Motor controller. E. W. Seeger. 1,508,131; Sept. 9.
Motor-controlling means, Starter-. A. T. and W. T. Kirk and O. E. Barber. 1,507,741; Sept. 9.
Motor-controlling mechanism. V. Link. 1,507,923; Sept. 9.
Motor cycles, Device for tandem seats for. J. Lilliesöe. 1,508,107; Sept. 9.
Motor suspension structure. G. H. F. Holy. 1,508,226; Sept. 9.
Mouthpiece, Sanitary. N. Gelb. Re15,911; Sept. 9.
Mower control, One-man. D. Jordan. 1,508,279; Sept. 9.
Necktie. C. Macko. 1,508,146; Sept. 9.
Nipple-making machine. H. Morrison. 1,507,849; Sept. 9.
Nitrogen oxide, Process of and apparatus for the manufacture of. G. A. Perley. 1,508,061; Sept. 9.
Nozzle, Adjustable shower. E. Circle. 1,508,010; Sept. 9.
Nozzle, Exhaust or discharge. J. H. Mailn. 1,507,784; Sept. 9.
Nozzle, Spray. C. Kelly. 1,508,281; Sept. 9.
Nut and bolt tightening machine. A. E. Oppenheimer. 1,507,620; Sept. 9.
Nut, Lock. L. J. Brune. 1,508,316; Sept. 9.
Oil cup. F. A. Bergmann. 1,507,658; Sept. 9.
Oil saver, Auxiliary. R. J. Schuyler. 1,507,628; Sept. 9.
Oil tank, Large sized. R. Kolwes. 1,508,145; Sept. 9.
Oils, Apparatus for distillation of mineral. E. E. Billow. 1,507,659; Sept. 9.
Oils, Purifying light petroleum. F. H. Smith and G. J. Ziser. 1,507,692; Sept. 9.
Oleomargarine and butter, Powdered butter-coloring material for. A. F. Files. 1,507,820; Sept. 9.
Opera glass or similar article. A. Hahn. Des. 65,567; Sept. 9.
Optical-instrument attachment. F. L. Barrows. 1,508,043; Sept. 9.
Ore crusher. A. A. Lazier. 1,507,970; Sept. 9.
Ores, Recovering metallic values from. W. A. Schmidt and G. M. Colvocoresses. 1,507,858; Sept. 9.
Ores, Sintering fine. A. Holmberg. 1,508,101; Sept. 9.
Oven. G. F. Smith. 1,507,865; Sept. 9.
Ovens, Shelf-operating means for. J. C. Keavey and E. J. Reese. 1,507,778; Sept. 9.
Package and toy, Combined. L. R. Carley and G. H. Kay. 1,507,662–3; Sept. 9.
Packaging machine. H. M. Hill. 1,508,019; Sept. 9.
Packing between two members, Providing metal. F. K. Landgraf. 1,507,840; Sept. 9.
Pail extinguisher. O. R. Erwin. 1,508,173; Sept. 9.
Pan: *See*—
Bedpan.
Pantograph. H. C. Kay. 1,508,280; Sept. 9.
Paper-making and similar machines, Shower pipe for. H. Kidd. 1,507,608; Sept. 9.
Paper sheathing and producing the same, Elastic. E. H. Angier. 1,507,949; Sept. 9.
Paper, Treating. D. B. Davies. 1,508,087; Sept. 9.
Paper-tube-making machine. J. W. Holt. 1,507,735; Sept. 9.
Paving and the like, Maintaining the moisture content constant in subgrades of. R. C. Stubbs. 1,507,868; Sept. 9.
Pedestal or similar article. L. H. Burlin. Des. 65,561; Sept. 9.

Pedestal or similar article, Base for a. L. H. Burlin. Des. 65,557; Sept. 9.
Pedestal or similar article, Base for a lamp. L. H. Burlin. Des. 65,559; Sept. 9.
Pedestal or similar article, Top for a. L. H. Burlin. Des. 65,558; Sept. 9.
Pen clip. R. G. Pilkington. 1,507,622; Sept. 9.
Pen, Fountain. A. O. Dahlberg. 1,507,729; Sept. 9.
Pen, Fountain. C. F. Litts. 1,507,782; Sept. 9.
Pen, Fountain. F. W. Vaughn. 1,508,311; Sept. 9.
Pencil. F. W. D'Olier. 1,508,170–1; Sept. 9.
Pencils, Calculator for. A. B. Cosad. 1,507,907; Sept. 9.
Petroleum by underground workings, Extracting. J. L. Rich. 1,507,717; Sept. 9.
Phonograph and radio cabinet, Combined. J. H. Weber. Des. 65,552; Sept. 9.
Phonograph automatic stop. P. Richter. 1,508,252; Sept. 9.
Picker check. V. Carroll. 1,507,579; Sept. 9.
Picking screen. R. W. Johnson. Re15,913; Sept. 9.
Pickles, Treating. J. M. Browne. 1,507,577; Sept. 9.
Picture baseball scoreboard, Moving-. G. S. Coleman. 1,507,583; Sept. 9.
Pie-making machines, Conveyer mechanism for. D. W. Smith. 1,507,860; Sept. 9.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe connection. J. G. Moomy. 1,508,023; Sept. 9.
Pipe cutter, Ratchet. D. Kilgour, jr. 1,507,969; Sept. 9.
Pipes, Union coupling for revoluble. E. M. de Sherbinin. 1,508,168; Sept. 9.
Piston. A. H. M. J. Ward. 1,508,079; Sept. 9.
Piston structure. A. L. Armentrout. 1,508,264; Sept. 9.
Pitometer. F. W. Greve. 1,508,017; Sept. 9.
Plane attachment. J. Ahlen. 1,507,722; Sept. 9.
Plaster board. R. C. Ringholz. 1,507,893; Sept. 9.
Plastic articles, Making. A. E. Pollock and W. P. Horn. 1,507,711; Sept. 9.
Playground apparatus. W. Williams. 1,507,944; Sept. 9.
Pliers, Ratchet. C. E. Northup. 1,507,974; Sept. 9.
Plow. H. A. Smith. 1,508,303; Sept. 9.
Plow attachment. W. W. Goode. 1,507,595; Sept. 9.
Polishing wheel. C. R. King. 1,507,836; Sept. 9.
Power system. J. D. Hilliard. 1,508,364; Sept. 9.
Presser: *See*—
Garment presser.
Pressing operations, Padding for use in. J. Ross. 1,507,976; Sept. 9.
Printing by greasy ink, Preparation of plates for. M. dé Speratl. 1,508,089; Sept. 9.
Pulley, Composition. F. A. Stolte. 1,507,866; Sept. 9.
Pulverizer. D. Cyganczuk. 1,507,988; Sept. 9.
Pump. S. Hinds. 1,508,370; Sept. 9.
Pump. A. C. Hopkins. 1,508,054; Sept. 9.
Pump attachment. L. Loop. 1,507,972; Sept. 9.
Pump, Oil. D. Stong and O. J. Buck. 1,508,305; Sept. 9.
Pump, Rotary. F. A. Leigh. 1,507,611; Sept. 9.
Pump, Sand. H. H. Defenbaugh. 1,507,989; Sept. 9.
Pump spout. C. C. Chrisman. 1,508,269; Sept. 9.
Pumps, Thermostatic control for volatile-fluid. E. A. Blenenstok. 1,508,045; Sept. 9.
Punch, Quick-change. E. E. Luce. 1,507,783; Sept. 9.
Rack: *See*—
Game rack.
Racket. R. Moore. 1,508,286; Sept. 9.
Radiator. A. W. Edwards. 1,508,276; Sept. 9.
Radiator assembly. M. B. Morgan. 1,507,752; Sept. 9.
Radiator cap. C. S. Price. Des. 65,594; Sept. 9.
Radiator, Portable self-heating. F. C. Brown. 1,507,985; Sept. 9.
Radio circuits, Mounting for tuning. J. W. Cushing. 1,508,167; Sept. 9.
Radio telegraph and telephone receiving system. F. G. Simpson. 1,507,089; Sept. 9.
Rags in the production of paper stock, Method and apparatus for treating. J. H. Howe and C. E. Stevens. 1,507,605; Sept. 9.
Rail joint. J. R. Millward. 1,508,114; Sept. 9.
Rail joint and insert therefor. R. B. Fehr. 1,507,770; Sept. 9.
Railway motors, Ventilating. D. C. Hershberger. 1,508,225; Sept. 9.
Railway rail. W. P. Thomson. 1,507,870; Sept. 9.
Railway switch, Automatic. P. O. Brown. 1,507,811; Sept. 9.
Railway ties, Spike socket for. C. B. Moody. 1,508,233; Sept. 9.
Razor-blade holder. E. Renaud. 1,508,295; Sept. 9.
Razor, Safety. H. James. 1,507,737; Sept. 9.
Record sheet and receipt, Combined. F. L. Fuller. 1,508,095; Sept. 9.
Reel: *See*—
Clothesline reel. Fishing reel.
Reeling and unreeling device. E. P. Guthrie. 1,508,182; Sept. 9.
Reenforcing bar. G. C. Pinger and J. F. Curley. 1,507,755; Sept. 9.
Refrigerating apparatus, Thermostat for. J. Frankenberg. 1,507,591; Sept. 9.
Refrigeration. C. C. Spreen. 1,508,132; Sept. 9.
Refrigerator. T. and E. O. Thorson. 1,507,940; Sept. 9.
Refrigerator-door seal. J. Twardowsky. 1,507,636; Sept. 9.
Register: *See*—
Cash register.
Register. H. Tewes. 1,507,801; Sept. 9.
Regulator: *See*—
Fluid-level regulator.
Repairman's creeper. F. W. Milosy. 1,508,232; Sept. 9.
Repeating, Method and means for. A. M. Nicolson. 1,507,889; Sept. 9.
Resilient wheel. V. A. Walkup. 1,507,804; Sept. 9.
Rheostat. F. A. Rojas. 1,507,895; Sept. 9.
Riddle, Sand. J. Green. 1,508,181; Sept. 9.
Rim, Detachable. P. M. Aden. 1,507,564; Sept. 9.
Rim-removing apparatus. G. A. Meyer. 1,507,748; Sept. 9.
Ring. H. G. Kaufman. Des. 65,571–82; Sept. 9.
Rivet-heading machine. T. Hansen and R. C. Kurtze. 1,507,958; Sept. 9.
Road scarifier. J. B. Jarmin. 1,507,833; Sept. 9.
Rod: *See*—
Shock-absorber connecting rod.
Rod arm, Driving-. E. V. Mosley. 1,508,235; Sept. 9.
Roller and rocking chair, Combined. O. R. Milky. 1,507,613; Sept. 9.
Rolling-mill repeater. A. J. Townsend. 1,507,941; Sept. 9.
Roofing machine. M. L. Beeson. 1,507,764; Sept. 9.
Rope friction separator device. C. A. Pilger. 1,508,293; Sept. 9.
Rotary engine. W. I. Staaf. 1,507,979; Sept. 9.
Rubber articles, Method and apparatus for vulcanizing. R. R. Root. 1,507 686; Sept. 9.
Rubber, Producing hard. W. C. Geer. 1,507,594; Sept. 9.
Rug-printing machine. J. Tamberlin. 1,507,899; Sept. 9.
Rugs, Machine for handling. J. W. Gheen. 1,507,824; Sept. 9.
Ruminants, Deflating pipe for the stomachs of. A. Niiesch. 1,508,288; Sept. 9.
Saccharin, Preparation of. J. Altwegg and J. Collardeau. 1,507,565; Sept. 9.
Safety device. J. W. S. Tucker. 1,507,802; Sept. 9.
Safety hook. F. C. Thompson. 1,508,308; Sept. 9.
Sand mixer, Foundry. H. S. Simpson. 1,508,031; Sept. 9.
Sandpaper on the rolls of floor-surfacing machines, Device for holding or locking. M. E. Helin and H. R. Hawkinson. 1,507,603; Sept. 9.
Sash holder or fastener. W. C. Ledbetter. 1,508,190; Sept. 9.
Scaffold, Safety swinging. A. F. Frame. 1,507,822; Sept. 9.
Scale and carrier, Combined. D. Gustafson. 1,507,598; Sept. 9.
Scoop board. C. Defreese. 1,507,818; Sept. 9.
Scraper, Earth. R. J. Heller. 1,508 322; Sept. 9.
Scraper, Invertible earth. R. J. Heller. 1,508,323; Sept. 9.
Screen: *See*—
Well screen. Window screen.
Screw driver. D. C. Donaldson. 1,507,990; Sept. 9.
Selective control, System of. E. R. Carichoff. 1,508,359; Sept. 9.
Separable fastener. C. M. Robinson. 1,508,352; Sept. 9.
Separator: *See*—
Spiral separator.
Sewing machine. C. H. Greenwood. 1,507,597; Sept. 9.
Sewing-machine attachment. O. Olson. 1,507,618; Sept. 9.
Sewing machine, Inseam-. A Ennier. 1,507,885; Sept. 9.
Sewing-machine motors, Mounting for. L. C. Packer. 1,508,240; Sept. 9.
Sewing machines, Hemstitching and picoting attachment for. C. D. Kennedy. 1,508 000; Sept. 9.
Sewing machines, Self lubricating dustproof. P. Steinbock. Re15,915; Sept. 9.
Shade and curtain fixture. G. Wonsowicz. 1,507,649; Sept. 9.
Shade and lamp holder, Combination. T. Scott and F. K. Maerz. 1,507,759; Sept. 9.
Shade fixture, Roller-. F. M. Bonheim. 1,507,660; Sept. 9.
Shade fixture, Window-. W. P. Hall. 1,507 827; Sept. 9.
Shades, Adjustable support for window. J. G. Howard. 1,507,918; Sept. 9.
Shaft-center-finding device. P. H. Fontaine. 1,508,175; Sept. 9.
Shaft hanger. R. H. Bowen. 1,508,006–7; Sept. 9.
Shaft hanger. R. H. Bowen. 1,508,009; Sept. 9.
Shaft hangers and blanks for same, Manufacture of. R. H. Bowen. 1,508,008; Sept. 9.
Shaker, Gravel. F. Lauscher. 1,508,189; Sept. 9.
Shaker receptacle. W. Rulison. 1,508,126; Sept. 9.
Sharpener for scissors and tools having similar cutting edges. A. Williams, H. G. Bennett, and I. Rowe. 1,508,314; Sept. 9.
Shears. H. F. Miller. 1,507,614; Sept. 9.
Sheets, Holder for stacks of. P. H. Horwitt. 1,508,020; Sept. 9.
Sheller: *See*—
Corn sheller.
Shells, Machine for removing the booster charge from high-explosive. G. Allison. 1,507,654; Sept. 9.
Shield. A. B. Hill. 1,507,774; Sept. 9.
Shingle units, Cutting out strip-. A. R. Lukens, jr., and C. L. Keller. 1,508,365; Sept. 9.
Shipping case. C. E. Barrie. 1,508,266; Sept. 9.

Shock-absorber connecting rod. R. H. Hassler. 1,508,097; Sept. 9.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,508,027; Sept. 9.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,508,118–20; Sept. 9.
Shoe and heel therefor. J. McDonough. 1,508,025; Sept. 9.
Shoe and manufacturing the same. F. Maccarone. 1,508,002; Sept. 9.
Shoe-polishing machine. G. T. Trundle, jr. 1,508,202; Sept. 9.
Shoe upper. A. J. Thomas. 1,508,198; Sept. 9.
Shoe uppers, Device for securing corded tape to edges of. A. J. Thomas. 1,508,197; Sept. 9.
Shoes or the like, Fixture for. A. Maisin. 1,507,746; Sept. 9.
Shower-bath-stall door. L. F. Eisele. 1,507,670; Sept. 9.
Shuttle. I. Snow. 1,507,978; Sept. 9.
Shuttle embroidery machine. M. Bretschneider. 1,508,357; Sept. 9.
Sign, Door. M. F. Monigan. 1,507,786; Sept. 9.
Signal. R. T. Windle. 1,508,207; Sept. 9.
Signal device. J. A. Burgard. 1,507,728; Sept. 9.
Signaling system. W. E. Beatty. 1,507,905; Sept. 9.
Signaling system. C. A. Robinson. 1,507,894; Sept. 9.
Siren whistle. F. B. Howell. 1,508,330; Sept. 9.
Skating-ring floor. G. C. Funk and M. J. Palson. 1,507,592; Sept. 9.
Skins for stitching, Apparatus for preparing. L. P. Tosadori. 1,507,696; Sept. 9.
Smelting, Blast-furnace. T. W. Cavers. 1,507,581; Sept. 9.
Smoking pipe. J. H. Schroder. 1,507,796; Sept. 9.
Snow-melting machine. A. Lagasse. 1,507,781; Sept. 9.
Soldering machine. W. J. Taylor, jr. 1,508,077; Sept. 9.
Soldering metal parts. W. J. Taylor, jr. 1,508,076; Sept. 9.
Soldering or welding tool. L. Lombardi. 1,508,108; Sept. 9.
Sound amplifier. L. D. Morris. Des. 65,592; Sept. 9.
Sound producer. A. du Bois-Reymond. 1,507,956; Sept. 9.
Sound-reproducing apparatus. A. Vasselli. 1,508,036; Sept. 9.
Speed mechanism, Change-. J. Farley. 1,507,819; Sept. 9.
Speed shaft. S. R. Cooper. 1,508,085; Sept. 9.
Speed-transmission mechanisms, Mechanical shifting means for. L. C. Huck. 1,507,963; Sept. 9.
Speed transmission, Variable-. E. Frey. 1,508,220; Sept. 9.
Speedway. A. Avery. 1,507,723; Sept. 9.
Spinning and doubling frame, Ring. T. Potter, jr., F. Fielding, J. T. Fielding, and T. Potter. 1,508,248; Sept. 9.
Spiral separator. F. Pardee, jr. 1,507,890; Sept. 9.
Spoke connection. H. H. Mosier. 1,507,615; Sept. 9.
Spoon or similar article. M. B. Leete. Des. 65,583; Sept. 9.
Spouting support device. O. J. Bydall. 1,508,215; Sept. 9.
Spray device. K. Burns and J. W. Stafford. 1,507,578; Sept. 9.
Spreader, Material. H. J. Bangert. 1,508,210; Sept. 9.
Spring: *See*—
Vehicle spring.
Spring structure. H. O. Reidenbach. 1,507,854–5; Sept. 9.
Square, Try-. E. P. Seghers. 1,507,798; Sept. 9.
Stamps to envelopes or other surfaces, Device for severing and applying. F. Kaspar. 1,508,057; Sept. 9.
Stand: *See*—
Axle stand.
Stapling machine. W. Hoehn. 1,507,775; Sept. 9.
Stay-bolt structure. F. K. Landgraf. 1,507,841; Sept. 9.
Steam condenser, feed-water heater, and the like. J. E. Johnson. 1,507,834; Sept. 9.
Steel manufacture. F. E. Clark. 1,508,083; Sept. 9.
Stenciling machine. J. W. Inglesby. 1,507,736; Sept. 9.
Stenciling machine. S. Nantus. 1,508,116; Sept. 9.
Step, Drop. M. Perkins. 1,507,792; Sept. 9.
Sterilizing and water-heating device. E. Kronman. 1,508,187; Sept. 9.
Stove, Camp. V. H. Hayworth. 1,507,959; Sept. 9.
Stove, Camp. W. R. Ingalls. 1,508,334; Sept. 9.
Strainer. C. D. Mosher. 1,507,929; Sept. 9.
Strainer and fish trap for water flues. H. R. Winton. 1,508,041; Sept. 9.
Sulphite cellulose from resinous woods, Manufacturing white. H. Alfthan. 1,507,559; Sept. 9.
Sulphur-containing structure and making same. W. H. Kobbé. 1,508,144; Sept. 9.
Sulphur from ore, Process of and apparatus for extracting. W. P. Thornton. 1,508,355; Sept. 9.
Suspender clamp. H. Hgide. 1,508,320; Sept. 9.
Swab-assembling machine. P. Codina. 1,507,953; Sept. 9.
Swager with taper attachment. H. J. Cook. 1,507,585; Sept. 9.
Swager with wedge motion. R. H. Perry and H. J. Cook. 1,507,621; Sept. 9.
Swimming suit. B. De Mattia. 1,508,274; Sept. 9.
Switch: *See*—
Electric switch. Railway switch.
Fusible switch. Time control switch.
Switch. C. Aalborg. 1,508,148; Sept. 9.
Switch. H. J. Crabbs. 1,508,166; Sept. 9.
Switch-contact finger. G. Leddick. 1,508,191; Sept. 9.
Switch-control circuits. J. J. Wynne. 1,507,946; Sept. 9.
Switches, Jig for assembling coordinate. F. H. Hibbard. 1,507,962; Sept. 9.
Table: *See*—
Cabinet table.
Talking machines and like apparatus, Needle for. W. E. Clifton. 1,508,163; Sept. 9.
Tambour-frame-driving mechanism. J. Granz. 1,507,772; Sept. 9.
Tank: *See*—
Oil tank.
Tantalum, Preparing oxy compounds of. H. S. Cooper. 1,507,987; Sept. 9.
Tap for wine, cider, or the like, Wooden. G. Rilling. 1,507,718; Sept. 9.
Tassel. A. Sacks. 1,508,300; Sept. 9.
Telephone installation. E. A. Driscoll. 1,507,668; Sept. 9.
Telephone mouthpiece. F. L. van Houte. 1,508,310; Sept. 9.
Telephone system. F. S. Irvine. 1,507,966; Sept. 9.
Telephone system, Automatic. R. G. Richardson. 1,507,684; Sept. 9.
Telephone transmission system. D. F. Whiting. 1,507,763; Sept. 9.
Telephone transmitter, Gaseous. R. A. Engler. 1,507,884; Sept. 9.
Tent, Automobile tourist. W. T. Ramsdell. 1,508,065; Sept. 9.
Test tie. W. B. Potter. 1,508,249; Sept. 9.
Testing and truing device. J. C. Taylor. 1,507,633; Sept. 9.
Thrashing machines, Straw-feeding device for. A. T. Fuller. 1,507,730; Sept. 9.
Thread holder. A. M. Kamla. 1,508,105; Sept. 9.
Ticket punch, Validating. J. S. Ball. 1,507,570; Sept. 9.
Tie: *See*—
Test tie.
Time control switch. L. W. Radman. 1,508,064; Sept. 9.
Timer. F. Lederer. 1,507,744; Sept. 9.
Tire. C. W. Wolfe. Des. 65,554; Sept. 9.
Tire casings, Method and apparatus for manufacturing. A. O. Abbott, jr. 1,507,563; Sept. 9.
Tire inflating and pressure-gage tool, Combined pneumatic-. M. J. McAneny. 1,507,754; Sept. 9.
Tire rims, Detachable ring for. F. S. Greene. 1,507,671; Sept. 9.
Tire tread. F. E. Rutland. Des. 65,595; Sept. 9.
Tires, Flexible air valve for automobile. W. E. Williams. 1,507,647; Sept. 9.
Tires, Making cord. G. D. Kratz. 1,507,743; Sept. 9.
Tobacco pipe. D. Nelson. 1,508,349; Sept. 9.
Tobacco pipes, and cigar and cigarette holders or tubes, Mouthpiece of. M. H. Barling. 1,507,571; Sept. 9.
Tongue-supporting means. O. Schuppert. 1,507,627; Sept. 9.
Tool. D. S. Wedgeworth. 1,507,645; Sept. 9.
Tool handle. J. Costello. 1,508,271; Sept. 9.
Tool holder. E. E. Ellis. 1,507,992; Sept. 9.
Tool joint. C. R. Edwards. 1,507,991; Sept. 9.
Tool joint. R. A. Wilson. 1,507,877; Sept. 9.
Tooth structure, Artificial-. J. A. Gardner. 1,507,823; Sept. 9.
Tooth-paste dispenser. A. B. Hurley. 1,508,332; Sept. 9.
Torpedo, Motorless aerial winged. G. A. Crocco and A. Guidoni. 1,508,317; Sept. 9.
Toy basket-ball game. C. H. Vinal. 1,508,147; Sept. 9.
Toy, Figure. E. Benoist. 1,507,657; Sept. 9.
Toy, Trundling. M. Olesek. 1,507,850; Sept. 9.
Traction, Clutch for axial. W. Noble. 1,508,026; Sept. 9.
Tractor. R. H. White. 1,507,762; Sept. 9.
Train signal system. D. H. Wilson. 1,507,648; Sept. 9.
Transfer gate for gravity conveyers. – A. J. Johnson. 1,508,369; Sept. 9.
Transformer casing. E. D. Treanor. 1,508,201; Sept. 9.
Transmission of movement by means of liquids, Tube or conduit for the. H. W. Ibbott. 1,507,965; Sept. 9.
Trap: *See*—
Animal trap.
Trash impeller. G. D. Luce. Re15,914; Sept. 9.
Trolley-conductor hanger. W. Schaake. 1,508,256; Sept. 9.
Trough protector. W. F. Abbott. 1,508,149; Sept. 9.
Trowel, Electrically-heated. M. L. Beeson. 1,507,807; Sept. 9.
Truck platform, Elevating-. H. I. Raymond, jr. 1,507,713; Sept. 9.
Truck platform, Lift-. H. T. Hallowell. 1,508,183; Sept. 9.
Trunk. E. N. Kennedy. 1,508,142; Sept. 9.
Tube expander. G. R. Maupin. 1,507,846; Sept. 9.
Tube for powder, Spray. F. W. Winter. Des. 65,553; Sept. 9.
Tubes, Clip for collapsible. E. H. Kneen. 1,508,143; Sept. 9.
Typewriter indicating device. J. J. Reinhold. 1,508,066; Sept. 9.
Typewriter-securing device. J. R. Hensley and C. C. Lacy. 1,508,326; Sept. 9.
Typewriter tabulator. T. E. Buschmann. 1,508,160; Sept. 9.

Typewriting machine. A. G. F. Kurowski. 1,508,001; Sept. 9.
Typewriting machine. C. B. Corcoran. 1,508,011; Sept. 9.
Umbrella holder. R. W. Flagg. 1,507,590; Sept. 9.
Universal cooking machine. H. A. Campbell. 1,507,883; Sept. 9.
Universal flexible coupling. R. E. Carter. 1,507,767; Sept. 9.
Vaccine, Stable. C. Troester and H. Emde. 1,507,942; Sept. 9.
Vacuum cleaner. C. P. Brockway. 1,508,315; Sept. 9.
Vacuum cleaning machine. M. S. Wright. 1,507,878; Sept. 9.
Vacuum cleaning machine, Electric. M. S. Wright. 1,507,879; Sept. 9.
Vacuum gauge. A. Partzsch. 1,508,242; Sept. 9.
Vacuum-jacketed bottles or other receptacles within inclosing casings therefor, Supporting. E. Urbahn. 1,508,309; Sept. 9.
Valve. T. Bowler. 1,508,047; Sept. 9.
Valve. P. S. Harper. 1,507,828; Sept. 9.
Valve. C. F. Jansen. 1,508,056; Sept. 9.
Valve and the like. E. E. Holt. 1,508,102–3; Sept. 9.
Valve, Control. C. H. Nordell. 1,507,789; Sept. 9.
Valve, Float-controlled compound check. C. H. Nordell. 1,507,790; Sept. 9.
Valve for windshield cleaners. F. G. and W. M. Folberth. 1,507,821; Sept. 9.
Valve motors, Lubricating system for rotary-. H. Scheel. 1,508,073; Sept. 9.
Valve, Orchard. W. A. Waterman. 1,507,874; Sept. 9.
Valve, Pulsator. S. L. Sundberg. 1,507,630; Sept. 9.
Valve, Triple-cushioned. E. V. Anderson. 1,507,948; Sept. 9.
Valves, Controller for motor-operated. E. T. Foote. 1,508,138; Sept. 9.
Vanity and camera case, Combined. M. Goldsmith. 1,507,915; Sept. 9.
Vanity case. R. I. Bleshuns. 1,507,573; Sept. 9.
Vanity case. M. Kline. 1,508,339; Sept. 9.
Vapor-conservation system. C. P. Buck. 1,508,048; Sept. 9.
Vegetable ivory, Treating. E. Shantz. 1,507,938; Sept. 9.
Vehicle. M. J. Furlong. 1,507,995; Sept. 9.
Vehicle. S. Gage. 1,508,178; Sept. 9.
Vehicle bodies and the like, Upholstery unit for. G. O. Brandt. 1,507,810; Sept. 9.
Vehicle body. J. H. Press. 1,508,122; Sept. 9.
Vehicle body and upholstering or wall cushion therefor. C. O. Ormsbee. 1,507,851; Sept. 9.
Vehicle brake mechanism. R. S. Sanford. 1,508,195; Sept. 9.
Vehicle bumper and road light, Combined. J. B. Harris. 1,507,702; Sept. 9.
Vehicle, Child's. H. K. Albus. 1,508,150; Sept. 9.
Vehicle, Child's. J. R. Parker. 1,507,975; Sept. 9.
Vehicle door lock. B. E. Taylor. 1,507,631; Sept. 9.
Vehicle jack. W. W. Bellamy. 1,508,154; Sept. 9.
Vehicle runner. L. C. J. L. Chevreau. 1,508,218; Sept. 9.
Vehicle spring. H. R. Miller. 1,507,848; Sept. 9.
Vehicle spring equalizer. W. R. Helsel. 1,508,324; Sept. 9.
Vehicle wheel. J. Schlatter. 1,508,301; Sept. 9.
Vehicles, Bumper for motor. S. C. Rowland. 1,507,934; Sept. 9.
Vehicles, Motion-signal and rear-view light for motor. L. Michaelson. 1,508,112; Sept. 9.
Vehicles, Mounting certificates or tags on. B. H. Börreson. 1,508,046; Sept. 9.
Vehicles, Signal device for motor. H. Mayer. 1,507,847; Sept. 9.
Vehicles, Spare-wheel carrier for. C. Slavens. 1,507,691; Sept. 9.
Vehicles, Spring suspension for. J. S. Booth. 1,508,157; Sept. 9.
Vending machine. J. B. Adams. 1,508,209; Sept. 9.
Vending machine. H. Hubbard. 1,507,999; Sept. 9.
Ventilator: *See*—
Window ventilator.
Volatilizing device. F. Polaski. 1,508,247; Sept. 9.
Voltage, Producing high. L. W. Chubb. 1,508,162; Sept. 9.
Walking beams, Cable bearing for. R. G. Hamaker. 1,507,061; Sept. 9.
Warcraft. J. Heron. 1,507,961; Sept. 9.
Warp stop motion. H. Müller. 1,507,753; Sept. 9.
Wash or dish cloth. A. Morganstern. 1,507,707; Sept. 9.
Washer: *See*—
Bottle washer.
Washing appliance. H. Bailey. 1,508,265; Sept. 9.
Washing machine. G. L. Ferris. 1,507,589; Sept. 9.
Water-closet construction. G. F. Davison. 1,507,816; Sept. 9.
Water, Device for screening. G. L. Miller. 1,507,927; Sept. 9.
Water-distributing device. W. Robinson. 1,508,028; Sept. 9.
Water-gauge glass. C. M. Mendenhall. 1,507,926; Sept. 9.
Water heater, Immersion. F. Thornton, jr. 1,508,199; Sept. 9.
Water level in steam accumulators, Apparatus for and method of controlling the. J. K. Ruths. 1,508,254; Sept. 9.
Wave-transferring circuits for communication systems. J. Mills. 1,507,887; Sept. 9.
Weighing machine, Automatic. W. Woolcott. 1,507,650; Sept. 9.
Welding tool, Electric. L. A. McCarty. 1,507,788; Sept. 9.
Well-casing coupling. H. B. Winters and J. E. McCormick. 1,507,981; Sept. 9.
Well screen. W. H. Cater. 1,507,580; Sept. 9.
Wells, Expansible plug for oil. H. M. Anderson. 1,507,983; Sept. 9.
Wheel: *See*—
Polishing wheel. Vehicle wheel.
Resilient wheel.
Wheel. G. Walther. 1,508,312; Sept. 9.
Wheel for vehicles, Shock-absorbing. A. A. Mendenhall. 1,508,231; Sept. 9.
Wheels, Means for indicating slippage of. E. F. Bliss. 1,508,156; Sept. 9.
Wind instruments, Mute for. W. A. McArthur. 1,508,024; Sept. 9.
Winding board. A. Holdsworth. 1,507,604; Sept. 9.
Winding machines, Spindle drive for. A. Petersen. 1,508,244; Sept. 9.
Window screen. M. Smith. 1,508,074; Sept. 9.
Window ventilator. D. J. Murnane. 1,508,238; Sept. 9.
Windshields and the like, Cleaning device for. C. F. Laganke. 1,507,780; Sept. 9.
Wire fabric, Machine for making. H. E. White and T. H. Kane. 1,508,313; Sept. 9.
Wire-feeding means for coiling, bending, or other wire-forming means. B. L. Van Orman. 1,507,871; Sept. 9.
Wire splicing and stretching tool, Fence-. O. W. Britt. 1,507,766; Sept. 9.
Wire-stretcher extension. R. W. Donnell. 1,508,172; Sept. 9.
Wireless receiver, Doubly-tuned. J. Bethenod and M. Latour. 1,507,725; Sept. 9.
Wireless signaling system. E. F. W. Alexanderson. 1,508,151; Sept. 9.
Wireworking tool. F. R. Sandstrum. 1,508,071; Sept. 9.
Wrapping machine. E. W. Edwards. 1,508,277; Sept. 9.
Wrench: *See*—
Combination wrench. Grip wrench.
Wrench. T. B. Tiefenbacher. 1,508,033; Sept. 9.
Writing instrument. M. Aland. 1,507,903; Sept. 9.
Writing instrumentality. A. L. Detrick. 1,508,090; Sept. 9.
X-ray cusette. A. W. Buck. 1,507,727; Sept. 9.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 9, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adam Brothers Company, Houston, Tex. Canned vegetables. 189,455; Sept. 16; Serial No. 194,148; published July 8, 1924.

Aetna Paper Company, The, Dayton, Ohio. Ledger paper. 189,478; Sept. 16.

Aktieselskabet Freia Chocolade Fabrik, Christiania, Norway. Candies and chocolates. 189,171; Sept. 16; Serial No. 192,102; published July 1, 1924.

Alabama Dry Goods Company, Birmingham, Ala. Overalls, work shirts, pants, etc. 189,248; Sept. 16; Serial No. 195,089; published June 24, 1924.

Alger Chemical Company. (See Benton, Earl J., assignor.)

American Cellulose & Chemical Manufacturing Company Limited, The, New York, N. Y. Dyestuffs. 189,399; Sept. 16; Serial No. 195,564; published July 1, 1924.

American Hosiery and Underwear Corporation, Norwood, Mass. Sweaters, bathing suits, hosiery, etc. 189,297; Sept. 16; Serial No. 195,795; published July 1, 1924.

American Pharmacal Company, The, Memphis, Tenn. Medicinal preparation for pertussis. 189,213; Sept. 16; Serial No. 196,948; published July 1, 1924.

Andala Company, The Andalusia, Ala. Children's athletic underwear. 189,296; Sept. 16; Serial No. 195,796; published July 1, 1924.

Annert, August W., Jersey City, N. J. Apparatus for cleaning water mains and pipes. 189,497; Sept. 16.

Arabol M'f'g. Co., The, New York, N. Y. Oils, greases, and gums used in the treatment of textiles. 189,358; Sept. 16; Serial No. 189,028; published July 1, 1924.

Ascher, M., Silk Corporation, New York, N. Y. Silk, wool, and other piece goods. 189,502; Sept. 16.

Asher, Chester A., Philadelphia, Pa. Candy. 189,333; Sept. 16; Serial No. 192,206; published July 8, 1924.

Atlas Candy Company, St. Louis, Mo. Topping for ice cream and cake icing. 189,429; Sept. 16; Serial No. 183,813; published June 24, 1924.

Auto Tipper Co., Inc., The, St. Louis, Mo. Device for tipping automobiles. 189,492; Sept. 16.

Baker, Hanna & Blake Co., Oklahoma City, Okla. Overalls, work shirts, etc. 189,200; Sept. 16; Serial No. 193,749; published June 24, 1924.

Ballantine, P., and Sons, Newark, N. J. Bakers' sirup. 189,437; Sept. 16; Serial No. 190,228; published June 24, 1924.

Bancroft Walker Company, Boston, Mass. Boots and shoes. 189,447; Sept. 16; Serial No. 193,750; published June 10, 1924.

Banks Inc., New York, N. Y. Men's suits, vests, shoes, neckties, collars, etc. 189,458; Sept. 16; Serial No. 194,247; published June 10, 1924.

Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 189,493; Sept. 16.

Barker, Brader, Atlanta, Ga. Liquid preparation for indigestion, rheumatism, etc. 189,234; Sept. 16; Serial No. 196,999; published July 1, 1924.

Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. Poultry mash feeds and scratch feeds. 189,500; Sept. 16.

Beiley, Isidore, doing business as I. Beiley & Co., New York, N. Y. Petticoats, bloomers, and slips. 189,466; Sept. 16.

Belcraft Shirt Co. Inc., New York, N. Y. Men's and boys' negligee, dress, and work shirts and pyjamas. 189,365; Sept. 16; Serial No. 191,524; published June 17, 1924.

Bendiner & Schlesinger. (See Schlesinger, Maurice F.)

Bennett Day Importing Company, Inc., New York, N. Y. Walnuts. 189,216; Sept. 16; Serial No. 196,425; published July 8, 1924.

Benton, Earl J., doing business as Alger Chemical Company, Muskegon, Mich. Composition for cleaning rugs, carpets, autos, and household tapestry. 189,498; Sept. 16.

Benz, Adolph, jr., doing business as Benz Sanitary Bakery, Peoria, Ill. Bread. 189,499; Sept. 16.

Benz, Lorenz, Astoria, N. Y. Remedy for poison ivy, sunburn, etc. 189,162; Sept. 16; Serial No. 197,247; published July 1, 1924.

Berg, Charles F., Portland, Oreg. Hosiery, fabric gloves, etc. 189,426; Sept. 16; Serial No. 193,891; published July 8, 1924.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, night robes and underwear. 189,300; Sept. 16; Serial No. 195,673; published June 24, 1924.

Bergstrom Paper Company, Neenah, Wis. Book papers. 189,278–80; Sept. 16; Serial Nos. 195,478–80; published June 10, 1924.

Bergstrom Paper Company, Neenah, Wis. Book papers. 189,281–2; Sept. 16; Serial Nos. 195,482–3; published June 10, 1924.

Better Hat Co., San Francisco, Calif. Ladies' hats. 189,346; Sept. 16; Serial No. 193,268; published June 10, 1924.

Blugrape Company. (See Citrus Products Company.)

Bonvillain, Robert F., Shreveport, La. Preparation for use in automobile radiators to prevent leaking. 189,384; Sept. 16; Serial No. 180,786; published July 1, 1924.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves and mittens. 189,372; Sept. 16; Serial No. 165,056; published Dec. 11, 1923.

Branstad, Arthur J., doing business as Branstad Drug Company, Eau Claire, Wis. Ointment. 189,412; Sept. 16; Serial No. 194,781; published July 1, 1924.

Brooks Paper Company, St. Louis, Mo. Tissue paper. 189,295; Sept. 16; Serial No. 195,799; published June 10, 1924.

Broome, Frederick S. J., doing business as Dymuth Company, Matlock, England. Insect-destroying preparation. 189,407; Sept. 16; Serial No. 195,860; published July 1, 1924.

Brown Durrell Co., Boston, Mass. Knitted and woven underwear. 189,188; Sept. 16; Serial No. 182,532; published June 24, 1924.

Buckingham & Hecht, San Francisco, Calif. Children's leather shoes. 189,388; Sept. 16; Serial No. 194,587; published June 17, 1924.

Burger, Luis, New York, N. Y. Shoes. 189,366; Sept. 16; Serial No. 191,596; published June 17, 1924.

Byrne, John F., New York, N. Y. Eggs. 189,253; Sept. 16; Serial No. 197,703; published July 8, 1924.

California Card Manufacturing Co., San Francisco, Calif. Photograph mountings and photographic folders and containers. 189,425; Sept. 16; Serial No. 193,896; published June 10, 1924.

California Lingerie Company. (See Klugman, Morris.)

Cammeyer, New York, N. Y. Shoes. 189,443; Sept. 16; Serial No. 191,121; published June 24, 1924.

Campe, Corporation, New York, N. Y. Knitted sweater coats. 189,193; Sept. 16; Serial No. 191,054; published June 17, 1924.

Capeci, Ernest, Port Chester, N. Y. Ointment for eczema and kindred skin troubles. 189,211; Sept. 16; Serial No. 196,952; published July 1, 1924.

Capeci, Ernest, Port Chester, N. Y. Medicine for indigestion, constipation, headaches, etc. 189,212; Sept. 16; Serial No. 196,951; published July 1, 1924.

Capital Paper Company, Indianapolis, Ind. Wrapping paper. 189,436; Sept. 16; Serial No. 189,446; published May 27, 1924.

Capital Paper Company, Indianapolis, Ind. Wrapping paper. 189,438; Sept. 16; Serial No. 190,574; published May 27, 1924.

Capital Paper Company, Indianapolis, Ind. Wrapping and toilet paper. 189,440; Sept. 16; Serial No. 190,670; published May 27, 1924.

Capital Paper Company, Indianapolis, Ind. Wrapping paper. 189,441; Sept. 16; Serial No. 190,673; published May 27, 1924.

Cara-Mia, Inc., Chicago, Ill. Toilet powders, rouges, face creams, and lotions. 189,163; Sept. 16; Serial No. 197,252; published July 1, 1924.

Carley-Rice Co., doing business as Wrentham Mills, Milwaukee, Wis. Underwear. 189,175; Sept. 16; Serial No. 192,956; published June 24, 1924.

Carolina Bottling Company, Concord, N. C. Beverage and sirup for making same. 189,477; Sept. 16.

Cathcart and Cathcart Inc., Newburgh, N. Y. Medicinal preparation. 189,158; Sept. 16; Serial No. 197,186; published July 1, 1924.

Ce' Leb Manufacturing Company. (See Leonard, Linnie E.)

Centner, Isaac, Toronto, Ontario, Canada. Hats and caps. 189,267; Sept. 16; Serial No. 194,589; published June 17, 1924.

Central Chemical Company, The, Hagerstown, Md. Germicides, fungicides, fumigants, etc. 189,164; Sept. 16; Serial No. 197,253; published July 1, 1924.

Chemical Products Company, The, Cincinnati, Ohio. Animal foods. 189,266; Sept. 16; Serial No. 194,057; published July 8, 1924.

Cheramy, Inc., New York, N. Y. Toilet water, vegetal, bath salts, etc. 189,230; Sept. 16; Serial No. 196,908; published July 1, 1924.

Chesbrough, Nancy K., Grosse Pointe, Mich. Salad dressing. 189,182; Sept. 16; Serial No. 193,447; published July 1, 1924.

Chez Reliew Laboratories. (See Saussier, Inc.)

Chicago Form Clamp Company, Chicago, Ill. Form clamps, shores, sleeper chairs, and form spacers. 189,389; Sept. 16; Serial No. 194,591; published July 1, 1924.

Chicago Truffles Co., Chicago, Ill. Candy bars. 189,392; Sept. 16; Serial No. 194,788; published July 8, 1924.

Chipman Knitting Mills, Easton, Pa. Hosiery. 189,256; Sept. 16; Serial No. 195,573; published June 24, 1924.

Chipman Knitting Mills, Easton, Pa. Hosiery. 189,317; Sept. 16; Serial No. 196,511; published July 1, 1924.
Church, Webb & Close, Inc., New York, N. Y. Men's neckties. 189,283; Sept. 16; Serial No. 195,492; published June 24, 1924.
Citrus Products Company, doing business as Blugrape Company, Chicago, Ill. Beverages and compounds and concentrates for manufacturing same. 189,476; Sept. 16.
Clark, Christopher A., doing business as Clark Umbrella Company, Milwaukee, Wis. Umbrellas. 189,197; Sept. 16; Serial No. 192,674; published June 24, 1924.
Clark Manufacturing Company, The, Fort Smith, Ark. Vanishing cream, face bleach, hair grower, etc. 189,210; Sept. 16; Serial No. 196,953; published July 1, 1924.
Cohn, Rissman & Co., Chicago, Ill. Men's topcoats. 189,293; Sept. 16; Serial No. 195,868; published July 1, 1924.
Cohn, Rissman & Co., Chicago, Ill. Men's suits. 189,294; Sept. 16; Serial No. 195,866; published July 1, 1924.
Coleman, Charles E., Elgin, Ill. Quinine hair tonic, toilet water, beauty clay, etc. 189,402; Sept. 16; Serial No. 195,738; published July 1, 1924.
Columbia Oil Company, Rosslyn, Va. Fuel for use in internal-combustion engines. 189,328; Sept. 16; Serial No. 191,674; published Apr. 22, 1924.
Columbia X-Ray & Electric Corporation, New York, N. Y. Dental casts, forms, display stands, etc. 189,354; Sept. 16; Serial No. 188,182; published July 1, 1924.
Conklin's Products Inc., Long Island City, N. Y. Radiator compound. 189,237; Sept. 16; Serial No. 197,063; published July 1, 1924.
Connett, E. V., & Co., Orange, N. J., and New York, N. Y. Hats and caps for men and boys. 189,345; Sept. 16; Serial No. 193,214; published June 10, 1924.
Connor, J. & K., Ltd., London, England. Ladies' and children's hats. 189,194; Sept. 16; Serial No. 191,874; published June 24, 1924.
Corn Products Refining Company, New York, N. Y. Starch. 189,404; Sept. 16; Serial No. 195,235; published July 1, 1924.
Corn Products Refining Company, New York, N. Y. Laundry starch. 189,428; Sept. 16; Serial No. 181,940; published July 1, 1924.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, face powder, etc. 189,494; Sept. 16.
Cox, Duff K., Columbus, Miss. Liniment and blood sirup. 189,159; Sept. 16; Serial No. 197,192; published July 1, 1924.
Cuero Mill and Feed Company, The, Cuero, Tex. Corn meal, chops, and bran, alfalfa meal, etc. 189,264; Sept. 16; Serial No. 195,053; published July 8, 1924.
Cupples Company, Manufacturers, St. Louis, Mo. Rubber heels. 189,322; Sept. 16; Serial No. 196,237; published July 1, 1924.
Cushman, John L., Yonkers, N. Y. Tapioca. 189,411; Sept. 16; Serial No. 194,911; published July 1, 1924.
Daniels Manufacturing Company, Rhinelander, Wis. Paper napkins and table covers. 189,276; Sept. 16; Serial No. 195,221; published May 27, 1924.
Darrah, Lydia, Candy Shops, Inc., Minneapolis, Minn. Candies. 189,215; Sept. 16; Serial No. 180,792; published June 24, 1924.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 189,348; Sept. 16; Serial No. 181,820; published June 10, 1924.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 189,385–7; Sept. 16; Serial Nos. 181,680–2; published June 10, 1924.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 189,391; Sept. 16; Serial No. 194,693; published June 10, 1924.
Deiches, S., & Company, Chicago, Ill. Neckties. 189,475; Sept. 16.
Delbon, Frank G., Brooklyn, N. Y. Leather shoes. 189,472; Sept. 16.
De Lynn, Roman, doing business as The Richmond Jr Company, Pittsburgh, Pa. Boys' suits and caps. 189,491; Sept. 16.
Dennison Manufacturing Company, Framingham, Mass. Crêpe paper. 189,178; Sept. 16; Serial No. 193,215; published May 27, 1924.
Dixon's Insect-O-Deth Co. (See Parker, Milton C.)
Doran, William F., doing business as Doran Engineering and Supply Company, Philadelphia, Pa. Gear-shift extension handles for automobiles. 189,459; Sept. 16; Serial No. 194,340; published July 1, 1924.
Double-Wear Shoe Co., The. (See Kuechle, Harry G.)
Duarte Orchards Company, doing business as Duarte Monrovia Fruit Exchange, Duarte, Calif. Fresh citrous fruits. 189,221; Sept. 16; Serial No. 196,160; published July 8, 1924.
Dunman, Nesbit M., doing business as Dunness Manufacturing Company, Houston, Tex. Medicine for pyorrhea. 189,331; Sept. 16; Serial No. 192,013; published July 1, 1924.
Dunn, Mrs. Frank C., doing business as The Frisco Co., Lansing, Mich. Antiseptic powders. 189,313; Sept. 16; Serial No. 196,698; published July 1, 1924.
Dunness Manufacturing Company. (See Dunman, Nesbit M.)
Durham Hosiery Mills, Durham, N. C. 189,321; Sept. 16; Serial No. 196,296; published July 1, 1924.
Dutchess Manufacturing Co., Poughkeepsie, N. Y. Trousers. 189,378; Sept. 16; Serial No. 175,595; published June 17, 1924.
Duthie, Thos. A., doing business as Duthie & Company, Portland, Oreg. Fresh apples. 189,306; Sept. 16; Serial No. 197,263; published July 8, 1924.
Dymuth Company. (See Broome, Frederick S. J.)
E & S Hosiery Mills, High Point, N. C. Hosiery. 189,423; Sept. 16; Serial No. 194,052; published July 8, 1924.
Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 189,249; Sept. 16; Serial No. 195,097; published July 1, 1924.
Elder Mfg. Co., St. Louis, Mo. Men's and boys' flannel shirts. 189,390; Sept. 16; Serial No. 194,599; published June 10, 1924.
Equity Hosiery Mills, New York, N. Y. Hosiery. 189,382; Sept. 16; Serial No. 179,592; published July 10, 1924.
Estee Laboratories Company, Dallas, Tex. Hairdressing. 189,235; Sept. 16; Serial No. 197,019; published July 1, 1924.
Etablissements Poulenc Frères (Société Anonyme), Paris, France. Chemical reagent used in photography. 189,209; Sept. 16; Serial No. 197,021; published July 1, 1924.
Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Textile nightshirts, pyjamas, beach robes, etc. 189,250; Sept. 16; Serial No. 195,166; published June 24, 1924.
Filipowicz, J., & Co., Baltimore, Md. Preparation for colds, etc. 189,241; Sept. 16; Serial No. 197,141; published July 1, 1924.
Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Capsule for colds and grippe. 189,227; Sept. 16; Serial No. 196,860; published July 1, 1924.
Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Antiseptic solution. 189,308; Sept. 16; Serial No. 196,859; published July 1, 1924.
Fingl, Anton W., doing business as Fingl Laboratory, Chicago, Ill. Laxative tea. 189,309; Sept. 16; Serial No. 196,857; published July 1, 1924.
Fishback Co., The, Indianapolis, Ind. Griddle-cake flours. 189,442; Sept. 16; Serial No. 190,919; published June 24, 1924.
Fletcher Brothers Co., doing business as Fletcher Brothers, Winston-Salem, N. C. Overalls. 189,396; Sept. 16; Serial No. 194,989; published June 10, 1924.
Foot, Schulze & Co., St. Paul, Minn. Boots and shoes. 189,421; Sept. 16; Serial No. 194,100; published June 24, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 189,448; Sept. 16; Serial No. 193,817; published July 8, 1924.
Franklin Hardware Co. Inc., New York, N. Y. Twist drills, files, wrenches, etc. 189,353; Sept. 16; Serial No. 186,636; published July 1, 1924.
Fresca Co., The. (See Dunn, Mrs. Frank C.)
Germano, A., & Son, New York, N. Y. Olive oil. 189,416; Sept. 16; Serial No. 194,534; published July 1, 1924.
Gerstle Medicine Co. (See Plough Chemical Company.)
Getz-Off-All Corn Remedy. (See Keeler, Waldo F.)
Glix-Brand Underwear Co., New York, N. Y. Underwear. 189,183; Sept. 16; Serial No. 193,457; published July 1, 1924.
Globe Tailoring Company, The, Cincinnati, Ohio. Men's, young men's, and boys' clothing. 189,336; Sept. 16; Serial No. 192,613; published June 17, 1924.
Glove Corporation, The, Alexandria, Ind. Gloves. 189,363; Sept. 16; Serial No. 190,922; published June 10, 1924.
Goldenberg's, Washington, D. C. Hats, neckties, belts, coats, etc. 189,185; Sept. 16; Serial No. 170,646; published June 17, 1924.
Goldman Costume Company, Inc., New York, N. Y. Misses' and women's coats. 189,376; Sept. 16; Serial No. 172,090; published June 17, 1924.
Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, Tex. Salt, baking powder, cream of tartar. 189,228; Sept. 16; Serial No. 196,862; published July 1, 1924.
Gotro, Agnes M., doing business as Mary May Candy Shoppe, Holyoke, Mass. Candies. 189,370; Sept. 16; Serial No. 153,094; published July 8, 1924.
Graham Co., Inc., The, New York, N. Y. Dried vegetables such as lentils. 189,167; Sept. 16; Serial No. 191,264; published June 24, 1924.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyestuff, intermediates, and accelerators for rubber vulcanization. 189,229; Sept. 16; Serial No. 196,865; published July 1, 1924.
Greenwald, Friedman & Co., Inc., New York, N. Y. Tailor-made dresses. 189,299; Sept. 16; Serial No. 195,684; published June 24, 1924.
Grewen Fabric Company, Inc., Johnstown, N. Y. Cloth gloves. 189,191; Sept. 16; Serial No. 190,016; published May 20, 1924.
Gross, James E., Chicago, Ill. Powdered mixture of substances used as a cathartic. 189,434; Sept. 16; Serial No. 188,630; published July 1, 1924.

Grubenholz-Imprägnierung G. m. b. H., Berlin, Germany. Wood-preserving, plant and animal destroying, and disinfecting preparations or compounds. 189,451; Sept. 16; Serial No. 194,056; published July 1, 1924.
Grubenholz-Imprägnierung G. m. b. H., Berlin, Germany. Wood-preserving, plant and animal destroying, and disinfecting preparations or compounds. 189,452–3; Sept. 16; Serial Nos. 194,058–9; published July 1, 1924.
Gunther, Geo., Jr., Brewing Co., The, Baltimore, Md. Beverages sold as soft drinks. 189,242; Sept. 16; Serial No. 197,147; published July 8, 1924.
Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 189,474; Sept. 16.
Hampshire Paper Company, South Hadley Falls, Mass. Announcements, business and social stationery, and mailing envelopes. 189,410; Sept. 16; Serial No. 194,920; published May 27, 1924.
Harris & Frank, Los Angeles, Calif. Clothes. 189,302; Sept. 16; Serial No. 195,641; published June 24, 1924.
Harrold, Harvey J., doing business as H. J. Harrold Tool Company, Columbiana, Ohio. Screw drivers. 189,465; Sept. 16.
Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple. 189,305; Sept. 16; Serial No. 197,149; published July 8, 1924.
Hearn, James A., & Son Inc., New York, N. Y. Bloomers and waists. 189,261; Sept. 16; Serial No. 195,285; published June 24, 1924.
Hearn, James A., & Son Inc., New York, N. Y. Pyjamas and night drawers. 189,483; Sept. 16.
Heath, Albert C., doing business as Nasalfilter Company, St. Paul, Minn. Chemical preparation for treatment of colds, catarrh, etc. 189,160; Sept. 16; Serial No. 197,201; published July 1, 1924.
Heller, B., & Company, Chicago, Ill. Chemical preparation used to color sausage casings. 189,403; Sept. 16; Serial No. 195,744; published July 1, 1924.
Herman's Pharmaceutical Laboratories, Elizabeth, N. J. Medicinal preparation for stomach disorders and kindred ailments. 189,461; Sept. 16; Serial No. 194,530; published July 1, 1924.
Hiawatha Gin and Manufacturing Company, Inc., Wilmington, Del., and Jackson, Miss. Animal feed. 189,236; Sept. 16; Serial No. 197,028; published July 1, 1924.
Higo Mfg. Company. (See Wise, Robert L.)
Hille Laboratories, Chicago, Ill. Medicinal compound. 189,347; Sept. 16; Serial No. 193,285; published July 1, 1924.
Hirshfeld, Jacob B., New York, N. Y. Nainsook underwear for men, women, and children. 189,373; Sept. 16; Serial No. 166,072; published May 8, 1923.
Holcombe, Wm. F. I. (See Linch, Geo. E., assignor.)
Holtz, Armand, Paris, France. Perfumes, rouges, face powders, etc. 189,208; Sept. 16; Serial No. 197,027; published July 1, 1924.
Hopp Press Inc., The, New York, N. Y. Sectional price markers and card holders. 189,176; Sept. 16; Serial No. 192,977; published June 10, 1924.
Hosiery Manufacturers Sales Co. Inc., New York, N. Y. Hosiery, sweaters, and knitted underwear. 189,262; Sept. 16; Serial No. 195,171; published June 24, 1924.
Hughes & Bradley Company, Philadelphia, Pa. Neckties and cravats. 189,338; Sept. 16; Serial No. 192,698; published June 17, 1924.
Hutchinson-Winch. (See International Shoe Company.)
International Shoe Company, St. Louis, Mo. Men's shoes. 189,189; Sept. 16; Serial No. 187,820; published June 17, 1924.
International Shoe Company, doing business as Hutchinson-Winch, St. Louis, Md., and Boston, Mass. Leather and canvas boots, shoes, and slippers. 189,393; Sept. 16; Serial No. 194,800; published June 17, 1924.
International Shoe Company, doing business as Hutchinson-Winch, St. Louis, Mo., and Boston, Mass. Leather and canvas boots, shoes, and slippers. 189,408–9; Sept. 16; Serial Nos. 194,999–195,000; published July 1, 1924.
International Silencer Company, Limited, The, London, England. Silencers for internal-combustion engines and parts thereof. 189,361; Sept. 16; Serial No. 189,460; published July 8, 1924.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 189,251; Sept. 16; Serial No. 194,871; published June 17, 1924.
Ivory Garter Company, New Orleans, La. Suspenders and garters. 189,273–4; Sept. 16; Serial Nos. 195,400–1; published July 1, 1924.
Jacobs Bros. Co. Inc., The, New York, N. Y. Weighing scales. 189,375; Sept. 16; Serial No. 171,496; published Feb. 6, 1923.
Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 189,427; Sept. 16; Serial No. 193,593; published July 1, 1924.
Jenkins Manufacturing Company, Fort Worth, Tex. Sport and play oversuits for boys and girls. 189,288; Sept. 16; Serial No. 195,965; published July 1, 1924.
Jessop Steel Company, Washington, Pa. High-speed steel. 189,454; Sept. 16; Serial No. 194,068; published July 1, 1924.
Jones Brothers Tea Company Inc., Brooklyn, N. Y. Coffee. 189,343; Sept. 16; Serial No. 193,946; published July 8, 1924.
Jones, Walter M., Stamford, Conn. Metallic substance. 189,307; Sept. 16; Serial No. 197,486; published July 8, 1924.
Kanson Hat and Cap Manufacturing Company, Cincinnati, Ohio. Hats and caps. 189,201; Sept. 16; Serial No. 194,106; published June 17, 1924.
Keeler, Waldo F., doing business as Getz-Off-All Corn Remedy, Washington, D. C. Preparation for corns, calli, and warts. 189,400; Sept. 16; Serial No. 195,580; published July 1, 1924.
King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits and berries. 189,430; Sept. 16; Serial No. 185,599; published July 8, 1924.
Kleiner, Israel S., doing business as Nutrivold Diabetic Flour Co., Brooklyn, N. Y. Flour. 189,254; Sept. 16; Serial No. 197,331; published July 8, 1924.
Klugman, Morris, doing business as California Lingerie Company, Los Angeles, Calif. Ladies' silk underwear. 189,292; Sept. 16; Serial No. 195,889; published July 1, 1924.
Knox, Rosa, Greenville, Miss. Hair grower. 189,405; Sept. 16; Serial No. 195,402; published July 1, 1924.
Koeppen, Frank, Elkhorn, Wis. Healing salve. 189,406; Sept. 16; Serial No. 195,404; published July 1, 1924.
Kolbert, Edward, & Sons, New York, N. Y. Ladies' coats, suits, and wraps. 189,344; Sept. 16; Serial No. 193,182; published June 10, 1924.
Kuechle, Harry G., doing business as The Double Wear Shoe Co., Minneapolis, Minn. Leather shoes. 189,481; Sept. 16.
Kux Bleiweiss Company, The, Cleveland, Ohio. Ladies' coats, suits, skirts, and dresses. 189,383; Sept. 16; Serial No. 180,185; published Aug. 21, 1923.
La Crosse Garment Co., La Crosse, Wis. Ladies' aprons and dresses. 189,195; Sept. 16; Serial No. 192,020; published June 17, 1924.
La Crosse Rubber Mills Co., La Crosse, Wis. Shoes and boots. 189,337; Sept. 16; Serial No. 192,628; published June 17, 1924.
Lambert, M. Henry, New York, N. Y. Men's overcoats, coats, vests, and trousers. 189,496; Sept. 16.
Lande & Miskend, New York, N. Y. Women's silk undergarments and negligees. 189,326; Sept. 16; Serial No. 196,125; published July 1, 1924.
Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 189,277; Sept. 16; Serial No. 195,451; published June 24, 1924.
Lassen, Alma M., doing business as Modesty Shadow Panel Co., New York, N. Y. Undergarments for women. 189,362; Sept. 16; Serial No. 190,598; published June 17, 1924.
Leonard, Linnie E., doing business as Ce' Leh Manufacturing Company, Cleveland, Ohio. Cleansing creams, facial pack, etc. 189,291; Sept. 16; Serial No. 195,893; published July 1, 1924.
Levi, Melville B., Fresno, Calif. Confection composed of figs and nuts. 189,224; Sept. 16; Serial No. 195,897; published July 8, 1924.
Levis-Zukoski Mercantile Company, St. Louis, Mo. Girls' and ladies' hats. 189,203; Sept. 16; Serial No. 194,362; published June 24, 1924.
Levis-Zukoski Mercantile Company, St. Louis, Mo. Ladies' hats. 189,419; Sept. 16; Serial No. 194,361; published June 24, 1924.
Liberty Oil Company, Des Moines, Iowa. Lubricant or grease. 189,433; Sept. 16; Serial No. 188,247; published May 27, 1924.
Linch, Geo. E., doing business as More Life Food Co., Kansas City, Mo., assignor to W. F. I. Holcombe, Chicago, Ill. Health food and a granulated cereal food product. 189,339; Sept. 16; Serial No. 192,705; published July 8, 1924.
Lockwood's, Detroit, Mich. Daily publications. 189,482; Sept. 16.
Loeb, H., & Co., Inc., New York, N. Y. Underwear, both suits, petticoats, etc. 189,298; Sept. 16; Serial No. 195,701; published June 24, 1924.
Lorraine Manufacturing Company, Pawtucket, R. I. Ladies' and misses' suits, dresses, coats, skirts, and waists. 189,467; Sept. 16.
Lorraine Manufacturing Company, Pawtucket, R. I. Ladies' and misses' skirts, dresses, etc., and men's and boys' suits, coats, pants, and dusters. 189,468–9; Sept. 16.
Macdonald, David R., Leicester, England. Machines and apparatus used in the manufacture of puffs, toe castings, stiffeners, etc. 189,349; Sept. 16; Serial No. 184,086; published July 8, 1924.
MacEwen, Stuart R., doing business as The Neosol Company, Buffalo, N. Y. Arsenical drugs. 189,401; Sept. 16; Serial No. 195,705; published July 8, 1924.
Mack, Chas. Douglis, Co., New York, N. Y. Men's, young men's, and boys' clothes. 189,260; Sept. 16; Serial No. 195,296; published June 17, 1924.
Macy, R. H., & Co., Inc., New York, N. Y. Men's and young men's suits. 189,268; Sept. 16; Serial No. 194,556; published June 17, 1924.
Macy, R. H., & Co., Inc., New York, N. Y. Young men's suits. 189,415; Sept. 16; Serial No. 194,557; published June 24, 1924.

Mald-Rite Corporation, Brooklyn, N. Y. Sandals and shoes. 189,357; Sept. 16; Serial No. 188,687; published June 17, 1924.
Mandarin Sauce Co., Los Angeles, Calif. Table sauce. 189,173; Sept. 16; Serial No. 192,920; published June 24, 1924.
Mantell, Herman, New York, N. Y. Hosiery. 189,485; Sept. 16.
Marathon Shoe Co., Wausau, Wis. Leather shoes. 189,198; Sept. 16; Serial No. 192,711; published June 24, 1924.
Marinette Knitting Mills, also doing business as The Oconto Mills, Marinette and Oconto, Wis.; Chicago, Ill.; and New York, N. Y. Skirts, dresses, capes, sweaters, etc. 189,489; Sept. 16.
Marr, Charles E., Spokane, Wash. Spices, food-flavoring extracts, butter, etc. 189,168; Sept. 16; Serial No. 191,393; published June 24, 1924.
Mass, Nathaniel J., doing business as Mass Manufacturing Company, New York, N. Y. Hats. 189,324–5; Sept. 16; Serial Nos. 196,173–4; published July 1, 1924.
Mary May Candy Shoppe. (See Gotro, Agnes M.)
Maury-Cole Company, Memphis, Tenn. Talcum powder. 189,243; Sept. 16; Serial No. 197,161; published July 1, 1924.
McCutcheon, James, & Company, New York, N. Y. Shirts, pyjamas, collars, underwear, etc. 189,179; Sept. 16; Serial No. 193,233; published June 24, 1924.
McDonald-Steube Co., The, Columbus, Ohio. Sandwich filling. 189,323; Sept. 16; Serial No. 196,175; published June 24, 1924.
Meltille Shoe Corporation, New York, N. Y. Men's hats. 189,169–70; Sept. 16; Serial Nos. 191,493–4; published June 24, 1924.
Merry Maid Wedding Dress Co., New York, N. Y. Dresses. 189,284; Sept. 16; Serial No. 195,529; published June 24, 1924.
Miller-Lerch Shoe Manufacturing Company, The, Columbus, Ohio. Shoes. 189,418; Sept. 16; Serial No. 194,364; published June 24, 1924.
Miller-Wohl Co. Inc., The, New York, N. Y. Ladies' ready-to-wear dresses, suits, coats, cloaks, and hats. 189,174; Sept. 16; Serial No. 192,921; published June 24, 1924.
Millers Milling Co., The, Enid, Okla. Wheat flour. 189,255; Sept. 16; Serial No. 196,467; published July 8, 1924.
Mishawaka Woolen Mfg. Co., now by change of name The Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boots, shoes, and rubbers. 189,368; Sept. 16; Serial No. 151,462; published Nov. 20, 1923.
Miss Junior Frocks, New York, N. Y. Dresses, cloaks, and suits. 189,166; Sept. 16; Serial No. 191,235; published July 8, 1924.
Missouri Glove Mfg. Co., University City, Mo. Gloves and gauntlets. 189,204; Sept. 16; Serial No. 194,365; published June 24, 1924.
Model Brassiere Co. Inc., New York, N. Y. Undergarment for women. 189,285; Sept. 16; Serial No. 196,066; published July 1, 1924.
Modesty Shadow Panel Co. (See Lassen, Alma M.)
Montiel, Nicolás, New York, N. Y. Skin-beautifying lotion. 189,232; Sept. 16; Serial No. 196,963; published July 1, 1924.
More Life Food Co. (See Linch, Geo. E.)
Moreschi, Philip, doing business as The National Perfumery Mfg. Co., Waterbury, Conn. Perfumery, hair tonics, toilet waters, etc. 189,231; Sept. 16; Serial No. 196,923; published July 1, 1924.
Morse, A. G., Co., Chicago, Ill. Candy. 189,369; Sept. 16; Serial No. 151,837; published July 8, 1924.
Müller, C. F. Otto, Karlsruhe, Germany. Pastes, powders, perfumery, etc. 189,206; Sept. 16; Serial No. 197,105; published July 1, 1924.
Mustin, J. Burton, doing business as Stratford Knitting Mills, Philadelphia, Pa. Kimonos, wrappers, and bath robes. 189,271; Sept. 16; Serial No. 195,235; published July 1, 1924.
Myers, Willis S., Palm Springs, Calif. Fresh dates and date butter. 189,355–6; Sept. 16; Serial Nos. 188,273–4; published July 8, 1924.
Nasalfilter Company. (See Heath, Albert C.)
National Perfumery Mfg. Co., The. (See Moreschi, Philip.)
Nebel Knitting Company, Charlotte, N. C. Ladies' and men's full-fashioned hosiery. 189,444; Sept. 16; Serial No. 193,412; published June 10, 1924.
Nelson, Abraham, doing business as Nelson Glove Co., Gloversville, N. Y. Leather gloves. 189,341; Sept. 16; Serial No. 192,994; published June 17, 1924.
Nesbit, Ethyle B., Sawtelle, Calif. Women's suits. 189,377; Sept. 16; Serial No. 172,429; published June 10, 1924.
New England Furriers. (See Sherman, Benjamin.)
Northam Warren Corporation, New York, N. Y. Nail polish. 189,471; Sept. 16.
Northwest Engineering Company, Green Bay, Wis. Trench excavators, hoisting machines, etc. 189,360; Sept. 16; Serial No. 189,334; published July 1, 1924.
Nutrivoid Diabetic Flour Co. (See Kleiner, Israel S.)
O-Cedar Corp'n, Chicago, Ill. Polish for cleaning and polishing furniture, floors, etc., 189,252; Sept. 16.
O. G. Chemical Company, Detroit, Mich. Mustard-plaster rub. 189,313; Sept. 16; Serial No. 190,754; published July 1, 1924.
Oakley Laboratories, Incorporated, Minneapolis, Minn. Embalming fluid. 189,314; Sept. 16; Serial No. 196,753; published July 1, 1924.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 189,207; Sept. 16; Serial No. 197,040; published July 8, 1924.
Oconto Mills, The. (See Marinette Knitting Mills.)
Oneida Community, Ltd., Oneida, N. Y. Canned asparagus. 189,335; Sept. 16; Serial No. 192,544; published July 8, 1924.
"Onyx" Hosiery Inc., New York, N. Y. Hosiery. 189,258–9; Sept. 16; Serial Nos. 195,413–14; published June 24, 1924.
"Onyx" Hosiery Inc., New York, N. Y. Hosiery. 189,275–6; Sept. 16; Serial Nos. 195,411–12; published June 24, 1924.
Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous fruits, dried and canned fruits, canned vegetables, etc. 189,220; Sept. 16; Serial No. 196,190; published July 8, 1924.
Outlet Millinery Company, Hartford, Conn. Women's hats. 189,186; Sept. 16; Serial No. 175,993; published June 24, 1924.
Outlet Millinery Company, Incorporated, Hartford, Conn. Women's hats. 189,290; Sept. 16; Serial No. 195,903; published July 1, 1924.
Parker, Milton C., doing business as Dixon's Insect-O-Deth Co., Los Angeles, Calif. Liquid insecticide and germicide. 189,464; Sept. 16.
Paton, J. G., doing business as The John G. Paton Company, New York, N. Y. Honey. 189,488; Sept. 16.
Pearce, C. R., Company, The, Pittsburgh, Pa. Fancy pastry. 189,199; Sept. 16; Serial No. 192,729; published July 8, 1924.
Peet Stock Remedy Company, Council Bluffs, Iowa. Medicinal powder. 189,316; Sept. 16; Serial No. 196,673; published July 1, 1924.
Phairmount Laboratories, Hackensack, N. J. Tonic. 189,244; Sept. 16; Serial No. 197,165; published July 1, 1924.
Phenix Shoe Mfg. Co., The, Milwaukee, Wis. Leather shoes. 189,359; Sept. 16; Serial No. 189,268; published Mar. 25, 1924.
Piercy, Charles G., also doing business as The Piercy Pain Powder Company, Columbus, Ohio. Medicinal preparation for rheumatism, headaches, etc. 189,432; Sept. 16; Serial No. 186,524; published July 8, 1924.
Plough Chemical Company, doing business as Gerstle Medicine Co., Memphis, Tenn. Medicinal preparations. 189,351; Sept. 16; Serial No. 186,155; published July 1, 1924.
Polansky, Alois J., Fayetteville, Tex. Medicinal preparation for treatment of tuberculosis and all lung affections. 189,269; Sept. 16; Serial No. 195,185; published July 1, 1924.
Pollack, Weeks Co., Inc., New York, N. Y. Bread. 189,470; Sept. 16.
Popular Brassiere Co. Incorporated, Astoria, N. Y. Corsets, brassières, and garter brassières and girdles. 189,462; Sept. 16; Serial No. 194,568; published June 10, 1924.
Powell, C. L., Inc., Rochester, N. Y. Vinegar. 189,439; Sept. 16; Serial No. 190,648; published June 24, 1924.
Prebol Drug Company, Passaic, N. J. Preparation for leucorrhea, etc. 189,245; Sept. 16; Serial No. 197,168; published July 1, 1924.
Radio Hat Company, The, St. Louis, Mo. Men's straw hats. 189,225; Sept. 16; Serial No. 170,035; published July 8, 1924.
Ralph Knitting Mills. (See Romagano, Ralph.)
Rathbun & Company, Utica, N. Y. Knit underwear and hosiery. 189,424; Sept. 16; Serial No. 194,023; published July 8, 1924.
Richmond Jr. Company, The. (See De Lynn, Roman.)
Robinson-Bynon Shoe Company, Auburn, N. Y. Ladies' leather shoes. 189,364; Sept. 16; Serial No. 191,140; published June 10, 1924.
Robinson, Jesse L., New Orleans, La. Beverage. 189,184; Sept. 16; Serial No. 193,543; published July 8, 1924.
Rogers Peet Company, New York, N. Y. Mackintoshes and raincoats. 189,286; Sept. 16; Serial No. 196,031; published July 1, 1924.
Romagano, Ralph, doing business as Ralph Knitting Mills, Philadelphia, Pa. Cravats. 189,397; Sept. 16; Serial No. 195,074; published June 17, 1924.
Rosenberg & Rutler Inc., New York, N. Y. Dresses. 189,460; Sept. 16; Serial No. 194,376; published June 10, 1924.
Royal Worcester Corset Company, Worcester, Mass. Wearing apparel. 189,202; Sept. 16; Serial No. 194,303; published June 24, 1924.
Saks, Louis, Clothing Co., Birmingham, Ala. Men's and boy's suits and overcoats. 189,214; Sept. 16; Serial No. 178,363; published July 8, 1924.
Sansone, Antonio, Newark, N. J. Medicine for malaria. 189,238; Sept. 16; Serial No. 197,117; published July 1, 1924.

Saussier, Inc., doing business as Chez Reilew Laboratories, Bethlehem, Pa. Perfumes, compact face powders, etc. 189,246; Sept. 16; Serial No. 197,172; published July 1, 1924.
Sawyer, P. A., & Co., Inc., New York, N. Y. Footwear. 189,196; Sept. 16; Serial No. 192,433; published June '10, 1924.
Schiller, Joseph F., Philadelphia, Pa. Valves and pipe unions. 189,486; Sept. 16.
Schindel & McDaniels, New York, N. Y. Bed sheets, pillowcases, and cotton fabrics. 189,473; Sept. 16.
Schlesinger, Maurice F., doing business as Bendiner & Schlesinger, New York, N. Y. Aromatic combination of herbs. 189,239; Sept. 16; Serial No. 197,118; published July 1, 1924.
Schneider, Battimus & Simon, Chicago, Ill. Garters. 189,394; Sept. 16; Serial No. 194,818; published June 10, 1924.
Seaboard Rice Milling Company, Galveston, Tex. Rice. 189,265; Sept. 16; Serial No. 194,819; published July 8, 1924.
Sears and Nichols Canning Co., The, Chillicothe, Ohio. Canned vegetables. 189,445; Sept. 16; Serial No. 193,629; published July 8, 1924.
Sherman, Benjamin, doing business as New England Furriers, Washington, D. C. Coats, capes, scarfs, hats, etc. 189,226; Sept. 16; Serial No. 172,072; published June 24, 1924.
Sierra Vista Packing Association, Riverside, Calif. Fresh oranges. 189,334; Sept. 16; Serial No. 192,152; published July 8, 1924.
Silk Maid Corset Co., Chicago, Ill. Corsets, brassières, etc. 189,420; Sept. 16; Serial No. 194,220; published June 24, 1924.
Simon-Feisenthal Co., Inc., Chicago, Ill. Suits and overcoats for young men and students. 189,487; Sept. 16.
Simon, Samuel, & Son, Inc., New York, N. Y. Women's textile-fabric underwear. 189,287; Sept. 16; Serial No. 195,990; published July 1, 1924.
Slater, C. B., Company, South Braintree, Mass. Boots and shoes. 189,289; Sept. 16; Serial No. 195,915; published July 1, 1924.
Smith, Harry J., doing business as H. J. Smith & Company, Utica, N. Y. Louse, flea, and insect destroyer. 189,157; Sept. 16; Serial No. 197,175; published July 1, 1924.
Smith, James P., & Company, New York, N. Y. Canned sardines. 189,223; Sept. 16; Serial No. 195,991; published July 8, 1924.
Société des Plaques et Poudres à Souder J. Lafitte, Paris, France. Welding metal for aluminum and aluminum alloys. 189,371; Sept. 16; Serial No. 164,519; published July 8, 1924.
Society Maid Hosiery Company, Inc., New York, N. Y. Hosiery. 189,318; Sept. 16; Serial No. 196,484; published July 1, 1924.
Sorel, Jules, doing business as Sorel of Paris, New York, N. Y. Ladies' gowns, coats, wraps, and hats. 189,329–30; Sept. 16; Serial Nos. 191,845–6; published June 10, 1924.
Southern Food Products Company, Chickamauga, Ga. Peanut butter, cottage cheese, etc. 189,435; Sept. 16; Serial No. 188,644; published June 24, 1924.
Stanhope Chemical Laboratories Inc., Brooklyn, N. Y. Rubbing alcohol. 189,161; Sept. 16; Serial No. 197,225; published July 1, 1924.
Stanley, James S., New York, N. Y. Petroleum products. 189,340; Sept. 16; Serial No. 192,862; published June 24, 1924.
Stassfurter Chemische Fabrik vormals Vorster & Grüneberg Actien-Gesellschaft, Stassfurt, Germany. Metal-hardening substances. 189,205; Sept. 16; Serial No. 197,122; published July 1, 1924.
Stein, Jacob, doing business as Winner Hat Manufacturing Company, New York, N. Y. Ladies' hats. 189,177; Sept. 16; Serial No. 193,139; published July 8, 1924.
Sterling Oil Company, Emlenton, Pa. Lubricating oils and greases, etc. 189,342; Sept. 16; Serial No. 193,005; published June 17, 1924.
Stern Hat Company, The, Cleveland, Ohio. Men's hats. 189,446; Sept. 16; Serial No. 193,634; published June 10, 1924.
Stone and Forsyth Company Boston, Mass. Kraft paper. 189,180–1; Sept. 16; Serial Nos. 193,257–8; published June 10, 1924.
Stone and Forsyth Company, Boston, Mass. Wrapping paper. 189,480; Sept. 16.
Stratford Knitting Mills. (See Mustin, J. Burton.)
Strauss Leather Company, Pittsburgh, Pa. Leather shoes. 189,422; Sept. 16; Serial No. 194,081; published July 8, 1924.
Strauss, Levi, and Company, San Francisco, Calif. Wearing apparel. 189,350; Sept. 16; Serial No. 185,059; published June 17, 1924.
Strohmeyer & Arpe Company, New York, N. Y. Canned fish. 189,222; Sept. 16; Serial No. 196,080; published July 8, 1924.
Strohmeyer & Arpe Company, New York, N. Y. Tomato products. 189,304; Sept. 16; Serial No. 195,549; published July 1, 1924.
Strouse, Adler & Co., New Haven, Conn. Corsets. 189,463; Sept. 16; Serial No. 194,578; published June 10, 1924.
Sugar Cone Mfg. Co., Brooklyn, N. Y. Ice-cream cones. 189,495; Sept. 16.
Sussman, Wormser & Co., San Francisco, Calif. Canned fruits and vegetables. 189,398; Sept. 16; Serial No. 195,464; published July 8, 1924.
Swift and Company, Chicago, Ill. Fresh cured pork and sausage. 189,490; Sept. 16.
Switzer, Frederick M., doing business as Switzer's Yellow Jacket Company, St. Louis, Mo., Candies. 189,374; Sept. 16; Serial No. 168,738; published Sept. 25, 1923.
Symington, T. H., Company, New York and Rochester, N. Y. Journal boxes. 189,501; Sept. 16.
Taubel, Lewis E., Norristown, Pa. Hosiery. 189,192; Sept. 16; Serial No. 190,137; published June 17, 1924.
Taunton-New Bedford Copper Company, Taunton, Mass. Sheets and bars of brass or copper or alloys thereof, metal castings, etc. 189,219; Sept. 16; Serial No. 196,211; published July 8, 1924.
Taunton Rubber Company, Taunton, Mass. Rubber taps, soles, and heels. 189,431; Sept. 16; Serial No. 185,727; published June 24, 1924.
Taylor, William A., North Wilkesboro, N. C. Mouth wash. 189,218; Sept. 16; Serial No. 196,212; published July 8, 1924.
Tinolan Co. of America, Inc., The, New York, N. Y. Mothproofing chemicals. 189,311; Sept. 16; Serial No. 196,838; published July 1, 1924.
Tissue Company, The, Saugerties, N. Y. Paper napkins. 189,479; Sept. 16.
Treo Company, Inc., Jamaica, N. Y. Corsets. 189,187; Sept. 16; Serial No. 176,296; published June 17, 1924.
Turgell & Rosenthal, New York, N. Y. Ladies' hats. 189,303; Sept. 16; Serial No. 195,604; published June 24, 1924.
Tutelman & Kohn, Philadelphia, Pa. Shirts. 189,352; Sept. 16; Serial No. 186,258; published Dec. 18, 1923.
Tyler, Byron, Kansas City, Mo. Mixture of dried fruit and peanuts. 189,449; Sept. 16; Serial No. 193,867; published July 8, 1924.
Ukemco Corporation, New York, N. Y. Talcum powder. 189,233; Sept. 16; Serial No. 196,992; published July 1, 1924.
Union Bag & Paper Corporation, New York, N. Y. Wrapping paper. 189,413–14; Sept. 16; Serial Nos. 194,080–1; published May 27, 1924.
Union Baking Company, Incorporated, Vancouver, Wash. Bread. 189,190; Sept. 16; Serial No. 188,167; published July 8, 1924.
Universal Milk Company, The, Dover, Del. Evaporated Skimmed milk. 189,320; Sept. 16; Serial No. 196,358; published July 1, 1924.
Universal Press, Inc., The, Chicago, Ill. Albums. 189,272; Sept. 16; Serial No. 195,245; published June 17, 1924.
Vermont Silver Fox Company, Cuttenden, Vt. Fur coats, muffs, etc. 189,367; Sept. 16; Serial No. 191,650; published June 10, 1924.
Vernon, S. E. & M., Inc., New York, N. Y. Exercise, composition, memorandum, and note books. 189,301; Sept. 16; Serial No. 195,664; published June 10, 1924.
Vogt, F. G., & Sons, Inc., Philadelphia, Pa. Prepared and canned meat products. 189,395; Sept. 16; Serial No. 194,963; published July 8, 1924.
Von Faber-Castell, Alexander Graf, Stein, near Nuremberg, Germany. Linear measures, squares, angles, and drawing rulers. 189,380; Sept. 16; Serial No. 178,832; published July 8, 1924.
Voorhees, Joseph P., East Orange, N. J. Hosiery. 189,379; Sept. 16; Serial No. 178,314; published July 10, 1923.
Wall-Stich Company, Inc., New York, N. Y. Pencils. 189,327; Sept. 16; Serial No. 196,095; published June 10, 1924.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Leather gloves. 189,456; Sept. 16; Serial No. 194,232; published June 10, 1924.
Warren Shoe Company, Inc., Hamburg, N. Y. Leather shoes. 189,457; Sept. 16; Serial 194,233; published June 10, 1924.
Webster, William A., Company, The, Memphis, Tenn. Dental cream. 189,312; Sept. 16; Serial No. 196,779; published July 1, 1924.
Welnerth Knitting & Machine Co. Inc., Reading, Pa. Ladies' hosiery. 189,263; Sept. 16; Serial No. 195,145; published June 17, 1924.
Weldona Corporation, Boston, Mass. Medicated mud for the feet. 189,240; Sept. 16; Serial No. 197,123; published July 1, 1924.
Wells & Richardson Company, Incorporated, Burlington, Vt. Dyes. 189,484; Sept. 16.
Western Grocer Company, Marshalltown, Iowa. Canned grapes, ripe olives, dried figs, etc. 189,165; Sept. 16; Serial No. 191,153; published July 1, 1924.
Whitley, Henry A., Los Angeles, Calif. Motor fuel. 189,172; Sept. 16; Serial No. 192,872; published May 27, 1924.
Williams, Joseph C., Waco, Tex. Liniment. 189,217; Sept. 16; Serial No. 196,283; published July 8, 1924.
Wilmar Manufacturing Company, Philadelphia, Pa. Peanut butter. 189,310; Sept. 16; Serial No. 196,842; published June 24, 1924.
Wimelbacher & Rice, New York, N. Y. Fabric and kid gloves. 189,319; Sept. 16; Serial No. 196,360; published July 1, 1924.

Winkelman, Kurt, Winthrop, Minn. Neckties. 189,257; Sept. 16; Serial No. 195,428; published June 24, 1924.
Winner Hat Manufacturing Company. (See Stein, Jacob.)
Wirth, Dorsey M., Bucyrus, Ohio. Leather garment supporting belts. 189,247; Sept. 16; Serial 195,032; published July 8, 1924.
Wise, Robert L., doing business as Higo Mfg. Company, Detroit, Mich. Hydrocarbon filler for lubricating oils. 189,332; Sept. 16; Serial No. 192,049; published June 17, 1924.
Wood, Charles E., Inc., New York, N. Y. Rubber soles and heels. 189,450; Sept. 16; Serial No. 193,979; published June 17, 1924.
Wrentham Mills. (See Carley-Rice Co.)
Wright's Underwear Company, Incorporated, New York, N. Y. Knitted and textile garments. 189,381; Sept. 16; Serial No. 179,343; published Feb. 26, 1924.
York Manufacturing Co. Inc., New York, N. Y. Blouse patterns. 189,417; Sept. 16; Serial No. 194,500; published June 24, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bambina Co. (See Lombard, Harry B.)
Capitol Knitting Co., Waterford, N. Y. Aer Cel. For Towel Sets. 27,840; Sept. 16.
Chapman Company, The. (See Menasha Printing and Carton Company, assignor.)
Cloverleaf Creameries Co. (See Menasha Printing and Carton Company, assignor.)
Courtois, Georges L., New York, N. Y. Eau de Quinine Fine Aux Fleurs de France. For Quinine Water. 27,841; Sept. 16.
Daniels Manufacturing Company, Rhinelander, Wis. Pic-Nic-Pak. For Paper Napkins and Paper Table Covers. 27,842; Sept. 16.
Franco Italian Packing Co., Inc., East San Pedro, Calif. Superior. For Canned Tuna Fish. 27,843; Sept. 16.
Frei Bros., Sebastopol, Calif. 4 U (For You). For Fresh Apples. 27,844; Sept. 16.
Henderson, James G., Cincinnati, Ohio. Uncle Sam's Big Dandy Wonder Box. For a Box Containing Pictures, Puzzles, Novelties. 27,845; Sept. 16.
Henderson, James G., Cincinnati, Ohio. Diamond H Line Lace Valentine Outfit. For a Box Containing Material for Making Valentines. 27,846; Sept. 16.
Hughes, L. F., Littlerock, Calif. Superior. For Fresh Pears. 27,847; Sept. 16.
La France Manufacturing Co., Philadelphia, Pa. La France. For Laundry Tablets. 27,848; Sept. 16.
Lombard, Harry B., doing business as Bambina Co., Lynn, Mass. Bambina. For Hair-Tonic Tablets. 27,849; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to F. J. Schafer & Co., Detroit, Mich. Puritan Eggs. For Eggs. 27,850; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Chapman Company, Cleveland, Ohio. Chapman's Crystal Springs Butter. For Butter. 27,851; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Southern Creamery Co., Muskogee, Okla. Certified Creamery Butter. For Butter. 27,852; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Rochester Packing Co., Rochester, N. Y. First Prize Creamery Butter. For Butter. 27,853; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Cloverleaf Creameries Co., New York, N. Y. Lucky Clover Creamery Butter. For Butter. 27,854; Sept. 16.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Saylors Steam Bakery, Tamaqua, Pa. Hom-Aid Bread. For Bread. 27,855; Sept. 16.
Milwaukee Paper Box Company, Milwaukee, Wis. Harvest Moon. For Candy. 27,856; Sept. 16.
Milwaukee Paper Box Company, Milwaukee, Wis. Princess Nuts and Fruits. For Candy. 27,857; Sept. 16.
Moore, Frank W., Los Angeles, Calif. Velvet Orangeade. For a Beverage. 27,858; Sept. 16.
National Carbon Company, Inc., New York, N. Y. Columbia Lantern Battery. For Electric Batteries. 27,859; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Candy for Mother. For Candy. 27,860; Sept. 16.
National Confectioners' Association, St. Louis, Mo. To My Valentine. For Candy. 27,861; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Easter Candy. For Candy. 27,862; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Hallowe'en Candy. For Candy. 27,863; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Thanksgiving Candy. For Candy. 27,864; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Christmas Candy. For Candy. 27,865; Sept. 16.
National Confectioners' Association, St. Louis, Mo. Your Sunday Candy. For Candy. 27,866; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. M-F-G. For Work Shirts. 27,867; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Milton F. Goodman. For Work Shirts. 27,868; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Big Yank Junior. For Work Shirts. 27,869; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Black Beauty. For Work Shirts. 27,870; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Kaptain Khaki. For Work Shirts. 27,871; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Big Yank. For Work Shirts. 27,872; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Big Six (in diamond). For Work Shirts. 27,873; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Big Yank Coat. For Work Shirts. 27,874; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Big Yank Flannel. For Work Shirts. 27,875; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Sentinel. For Work Shirts. 27,876; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Dynamo Special. For Work Shirts. 27,877; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Army. For Work Shirts. 27,878; Sept. 16.
Reliance Manufacturing Company, Chicago, Ill. Army (Flannel). For Work Shirts. 27,879; Sept. 16.
Rochester Packing Co. (See Menasha Printing and Carton Company, assignor.)
Saylors Steam Bakery. (See Menasha Printing and Carton Company, assignor.)
Schafer, F. J., & Co. (See Menasha Printing and Carton Company, assignor.)
Siegel, Joseph, & Son, Rankin, Pa. Queen Quality. For Mayonnaise Dressing. 27,880; Sept. 16.
Southern Creamery Co. (See Menasha Printing and Carton Company, assignor.)
Waxide Paper Company, Kansas City, Mo. Goodie Cake. For Cakes. 27,881; Sept. 16.
Waxide Paper Company, Kansas City, Mo. Double Loaf. For Bread. 27,882; Sept. 16.
Winter, J. C., & Co., Red Lion, Pa. Fifty-Fifty. For Cigars. 27,883; Sept. 16.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Associated Oil Company, San Francisco, Calif. Motor-mates. For Gasoline and Motor Oil. 7,584; Sept. 16.
Cream O' Wheat Co., Minneapolis, Minn. The greatest need of the growing child—Energy! For Wheat Breakfast Food. 7,585; Sept. 16.
Goodmundson, Alvin K., Oakland, Calif. What's Over Your Head? Roofing is a Business. For Roofing. 7,586; Sept. 16.
McCurdy, J. Charlton, Newark, N. J. Pipe Your Pipe Troubles. For Leader Pipes and Roofs. 7,587; Sept. 16.
Ohio Truss Co., The, Cincinnati, Ohio. Trusses. For Trusses, Supporters, and Similar Devices. 7,588; Sept. 16.
Roszell, J. D., Company, Peoria, Ill. Our Charley. For Candy. 7,589; Sept. 16.
Seaboard Rice Milling Co., Galveston, Tex., and New York, N. Y. Comet Rice. For Rice. 7,590; Sept. 16.
Tanner, J. L., Chicago, Ill. Howd'y' Do? For Automotive-Vehicle Service-Station Supplies and Facilities. 7,591; Sept. 16.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adamson, Walter Z., Philadelphia, Pa. Fire-extinguishing material. 200,740; Sept. 16.
Adelson, Abe N., New York, N. Y. Hats for women. 198,552; Sept. 16.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo. Crayons. 199,918–19; Sept. 16.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo. Crayons. 199,921–5; Sept. 16.
American Jewelry Co., The, New York, N. Y. Collar buttons, cuff buttons and links, and snap links. 199,202; Sept. 16.
American Laundry Machinery Company, The, Cincinnati, Ohio. Washing and dry-cleaning machines. 182,328; Sept. 16.
American Thermos Bottle Company, The, Norwich, Conn. Thermos bottles. 198,696; Sept. 16.
American Tissue Mills, Holyoke, Mass. Crêpe paper. 199,965–9; Sept. 16.
Anagnos, Elen G., Bridgeport, Conn. Hair tonic. 200,743; Sept. 16.
Andrews Radio Company, Chicago, Ill. Radiotransformers. 196,147; Sept. 16.
Andrews Radio Company, Chicago, Ill. Radiotransformers. 198,105; Sept. 16.
Anthracite Fuel Corporation, Baltimore, Md. Coal. 198,776–7; Sept. 16.
Armol Chemical Co., The. (See Onnen, Adolph C.)
Asia Company, The, Los Angeles, Calif. Dried Seaweed and sea moss. 197,527; Sept. 16 1924.
Atlantic Mills, Providence, R. I. Woolen, cotton, and woolen and cotton piece goods. 200,600; Sept. 16.
Atlantic Refining Company, The, Philadelphia, Pa. Lubricating and motor oils, etc. 195,671; Sept. 16.
Auclair, George J., doing business as Clairs Ointment Company, South Groveland, Mass. Ointment for piles. 200,030; Sept. 16.
Azbderian, V. H., Turlock, Calif. Fresh cantaloupes. 199,141; Sept. 16.
Barker, Helen G., San Francisco, Calif. Crocheted costume for celluloid dolls. 199,600; Sept. 16.
Barker, Moore & Mein Medicine Company, The, Philadelphia, Pa. Chick mash. 200,706; Sept. 16.
Barnowitz, Harry, doing business as Honeymoon Specialty Co., Brooklyn, N. Y. Garters, supporters, suspenders, and ribbon and webbing wristbands. 196,424; Sept. 16.
Battle Creek Food Company, The, Battle Creek, Mich. Bran. 199,771; Sept. 16.
Baum, Frank J., Los Angeles, Calif. Toy animals, figure toys, dolls. 196,898; Sept. 16.
Bayer, Pretzfelder & Mills Inc., New York, N. Y. Watches. 196,363; Sept. 16.
Bennett & Royalty, Dyer, Ky. Medicines, vermifuge, ointments, etc. 181,374; Sept. 16.
Best, Lillian M., Iron Mountain, Mich. Preparation for the treatment of diphtheria, tonsillitis, and sore throat. 197,699; Sept. 16.
Beth Tantum. (See Powell, Bessie S.)
Blitmore Preserving Co. (See Moore, William J.)
Bird, Philip H., Boston, Mass. Correspondence paper and envelopes. 200,032; Sept. 16.
Blackett, Hill, Chicago, Ill. Facial cream. 200,419; Sept. 16.
Blazine Ointment Co., The. (See Kessler, Joseph J.)
Blum & Koch, Inc., New York, N. Y. Men's straw hats. 198,395; Sept. 16.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 200,035; Sept. 16.
Brightson Laboratories, Inc., Newark, N. J. Tubes to serve as detectors, amplifiers, and rectifiers. 199,037; Sept. 16.
Brower, Cora, doing business as Cora's Hair Preparation Company, Denver, Colo. Scalp tonic. 200,132; Sept. 16.
Brownlee, Roy H., Pittsburgh, Pa. Dentifrice. 200,847; Sept. 16.
Bunte Brothers, Chicago, Ill. Chocolates. 182,398; Sept. 16.
California Optical Co., San Francisco, Calif. Ophthalmic lenses. 198,614; Sept. 16.
California Seedless Raisin Company, Fresno, Calif. Dried raisins. 199,606; Sept. 16.
Cammeyer, New York, N. Y. Boots, shoes, and slippers. 194,907; Sept. 16.
Campbell, John, & Co., New York, N. Y. Chemical for assisting in dyeing operations. 200,710; Sept. 16.
Carnegie Endowment for International Peace, New York, N. Y. Periodical publication. 200,849; Sept. 16.
Catawba Chemical Company, Fort Mill, S. C. Medicinal preparation. 200,134; Sept. 16.
Celma Company, The, Toledo, Ohio. Powder cases or containers. 195,332; Sept. 16.
Cheney Brothers, South Manchester, Conn. Silk fabrics in the piece. 198,504; Sept. 16.
Chlorine Products Co., Inc., New York, N. Y. Preparation of chlorine for psoriasis and eczema. 199,821; Sept. 16.
Clark, George M., doing business as G. M. Clark Co., Lancaster, N. H. Proprietary preparation for dyspepsia, indigestion, etc. 200,670; Sept. 16.
Cohen Dairy Co., New York, N. Y. Milk, condensed milk, cream, cheese, butter, buttermilk, eggs. 197,532; Sept. 16.
Cohn, S., Co., New York, N. Y. Ladies' hat linings. 196,647; Sept. 16.
Colson Company, The, Elyria, Ohio. Child's two-wheeled vehicle. 170,369–70; Sept. 16.
Consolidated Textile Corporation, New York, N. Y. Piece goods. 178,092; Sept. 16.
Continental Mills, Inc., Philadelphia, Pa. Woolen fabrics. 200,135; Sept. 16.
Cook Paint & Varnish Company, Kansas City, Mo. Mixed paints. 196,648; Sept. 16.
Coplay Cement Manufacturing Company, Coplay, Pa. Portland cement. 192,604; Sept. 16.
Cora's Hair Preparation Company. (See Brower, Cora.)
Cordner Products Company, Chicago, Ill. Sandwiches. 178,715; Sept. 16.
Cored Bar Corporation, The, Buffalo, N. Y. Cored and solid bars. 191,364–6; Sept. 16.
Corwin, Eugene, New York, N. Y. Artificial maple flavoring for foods. 198,936; Sept. 16.
Courtney, Kathleen A., Fairmont, W. Va. Ladies' bonnets, gloves, hosiery, dresses, etc. 198,507; Sept. 16.
Dea Anges, Henry L., doing business as Pep-o-Petrolatum Company, Flushing, N. Y. Intestinal tonic. 186,050; Sept. 16.
Detroit Bale Tie Company. (See Treadwell, Laurence E.)
Devoe & Raynolds Co., Inc., New York, N. Y. Ready-mixed paint. 197,721; Sept. 16.
Diamond Braiding Mills, Chicago Heights, Ill. Rubber-covered wire. 199,046; Sept. 16.
Dictograph Products Corporation, New York, N. Y. Attachment for utilizing phonographs as radio loud speakers. 198,993; Sept. 16.
Dictograph Products Corporation, New York, N. Y. Radio switch blocks. 198,994; Sept. 16.
Dixie Chemical Company, Inman, S. C. Preparation for the hair. 171,047; Sept. 16.
Drake Brothers Co., Brooklyn, N. Y. Cake and macaroons. 198,403; Sept. 16.
Dreyer, Svenning, Woodcliff, N. J. Candy. 184,660; Sept. 16.
Drug Products Co. Inc., The, Long Island City, N. Y. Medicinal preparation for high blood pressure, etc. 200,714; Sept. 16.
Drug Products Co. Inc., The, Long Island City, N. Y. Iodized calcium medication for bronchitis, pneumonia, etc. 200,715; Sept. 16.
Duttenhofer, Stanley, Shoe Company, The, Cincinnati, Ohio. Ladies' fine shoes. 197,457; Sept. 16.
Dynamo-Electric Works. (See Hickey, Edward R.)
Eason, Ra Melle, doing business as The Ezy-Strait Co., Hernando, Miss. Preparation for straightening and improving the hair. 200,482; Sept. 16.
Editorial Research Reports, Washington, D. C. Weekly reports for editorial writers. 200,249; Sept. 16.
Ezy-Strait Co., The. (See Eason, Ra Melle.)
Falkill Products Co. (See Wood, James W.)
Field, Herbert P., New York, N. Y. Laxative medicine. 198,229; Sept. 16.
Fischer-Jelenko Inc., New York, N. Y. Lounging gowns, bath robes, beach capes. 198,513; Sept. 16.
Fisher-Smith-Mfg. Co., Inc., New York, N. Y. Paints. 198,001; Sept. 16.
Flosmor Manufacturing Company, The, Cleveland, Ohio. Shampoo preparation. 199,837; Sept. 16.
Fortune Products Company, Chicago, Ill. Spaghetti, chocolate, edible oils, farina, etc. 191,825; Sept. 16.
Foster-McClellan Co., Buffalo, N. Y., and Paris, France. Cathartic pills. 188,195; Sept. 16.
Francburt, Inc., New York, N. Y. Brassières and corsets. 193,221; Sept. 16.
Frank Tea & Spice Co., The, Cincinnati, Ohio. Spices, food-flavoring extracts, prepared mustard, and peanut butter. 197,929; Sept. 16.
Friedman Bros. & Sons Neckwear Co. Inc., New York, N. Y. Ties and cravats. 190,724; Sept. 16.
Gaertner Scientific Corporation, The, Chicago, Ill. Mensuring telescopes, microscope supports, spherometers, etc. 197,535; Sept. 16.
General Advertising Company, Inc., Portland, Oreg. Booklets. 200,390; Sept. 16:
General Radio Company, Cambridge, Mass. Standards of resistance, inductance, and capitance. 194,917; Sept. 16.
Gibson, Guy T., Incorporated, New York, N. Y. Rouge. 183,914; Sept. 16.

PUBLISHED FOR OPPOSITION.

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Gilbert & Barker Manufacturing Company, West Springfield, Mass. Monthly periodical. 200,251; Sept. 16.
Gisele Laboratories. (See Shely, Elizabeth.)
Glaser Shoe Company, San Francisco, Calif. Infants' and children's shoes. 197,329. Sept. 16.
Glaston-ol Lab. Corp., Jamaica, N. Y. Throat swab or spray. 200,717; Sept. 16.
Globe Electric Co., Milwaukee, Wis. Radio sets. 197,199; Sept. 16.
Goddard Grocer Company, The, St. Louis, Mo. Canned goods, fruit preserves, condiments, etc. 181,943; Sept. 16.
Gold Seal Jewelers, New York, N. Y. Pearls. 184,550; Sept. 16.
Golden-Leutz Inc., New York, N. Y. Radio receiving sets. 197,537; Sept. 16.
Goldsmith, Harry N., Philadelphia, Pa. Paper napkins, towels, and wrappers. 195,103; Sept. 16.
Good, John H., doing business as The Hollywood Perfume Co., Los Angeles, Calif. Perfumes, cosmetics, and dermatological products. 199,689–90; Sept. 16.
Goodenow Textiles Company, Kansas City, Mo. Textile-fabric underwear. 194,705; Sept. 16.
Goodman Automatic Water Heater Co., Inc., Brooklyn, N. Y. Automatic water heater. 197,756; Sept. 16.
Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, Tex. Canned goods, jellies, table syrup, etc. 192,527; Sept. 16.
Gotham Wireless, Inc., New York, N. Y. Radio receiving sets. 199,749; Sept. 16.
Gram Headwear Mfg. Co., St. Louis, Mo. Hats for women and children. 163,869; Sept. 16.
Greater New York Barber Supply. (See Mascola, Anthony.)
Greenfield, Paul, New York, N. Y. Hair-removing wax. 188,414; Sept. 16.
Haley M-O Company, The, Indianapolis, Ind. Pharmaceutical preparation. 199,354; Sept. 16.
Hammon, G. H., Company, The, Chicago, Ill. Hams, shoulders, sausage, and Frankfort-style sausage. 196,165; Sept. 16.
Hanf & Ringler, Inc., New York, N. Y. Spices, ground cayenne, cloves, allspice, and nutmeg, etc. 199,164; Sept. 16.
Hazleton Syrup Co., Hazleton, Pa. Compound for treating fabrics. 200,358; Sept. 16.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Mixture of bran and flour. 200,763; Sept. 16.
Henderson, Abram J., Winston-Salem, N. C. Compound for treatment of rheumatic pains, headache, sciatica etc. 198,744; Sept. 16.
Hercules Powder Company, Wilmington, Del. Turpentine and pine oil. 167,813–14; Sept. 16.
Hickey, Edward R., doing business as Dynamo-Electric Works, Los Angeles, Calif. Armatures, magnet chargers, commutators, motors, etc. 197,598; Sept. 16.
Hojos Company. (See Josias, Jack.)
Hollywood Perfume Co., The. (See Good, John H.)
Home Patch-Rite Distributing Co., McKeesport, Pa. Fluid for patching hosiery, etc. 198,801; Sept. 16.
Honeymoon Specialty Co. (See Barnowitz, Harry.)
Hutchison, Miller R., New York, N. Y. Silencing device to go over telephone mouthpieces. 199,482; Sept. 16.
Hutchison, Miller R., New York, N. Y. Device for attaching to telephone receiver. 199,483; Sept. 16.
Hydrox Corporation, Chicago, Ill. Ginger ale and sirup for making same. 199,620; Sept. 16.
Hynes and Daly, O'Neill, Nebr. Mittens and gloves. 188,243; Sept. 16.
I. T. S. Rubber Company Ltd., London, England. Heels, tips, soles, and pads for boots and shoes. 194,668; Sept. 16.
Ilex Optical Company, Rochester, N. Y. Photographic lenses and lens mountings. 198,747; Sept. 16.
Inecto, Inc., Wilmington, Del., and New York, N. Y. Monthly publication. 200,104; Sept. 16.
International Feature Service, Inc., New York, N. Y. Newspaper section. 199,990; Sept. 16.
International Grenfell Association, Inc., St. Johns, Newfoundland. Skin boots, moccasins, shoes, hooded jackets, knickers. 180,866; Sept. 16.
International Paper Company, New York, N. Y. Writing and printing paper. 199,890; Sept. 16.
Irish Linen-Silk Company, assignor to A. A. Schuman, Cincinnati, Ohio. Clothing. 197,940; Sept. 16.
Jacob, Arthur, Chicago, Ill. Periodical. 200,764; Sept. 16.
Janay Manufacturing Company, The, Cleveland, Ohio. Rouge. 200,320; Sept. 16.
Jennings Silver Co., Irvington, N. J. Coffeepots, sugar bowls, cream pitchers, etc. 192,618; Sept. 16.
Joannes Bros. Co., Green Bay, Wis. Tomatoes, refugee string beans, peas, sweet corn, etc. 200,046; Sept. 16.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Pigment paste. 197,942; Sept. 16.
Josias, Jack, doing business as Hojos Company, New York, N. Y. Compact, refills, rouge, and powder. 199,478; Sept. 16.
Joy Machine Company, Franklin, Pa. Loading machines. 199,841; Sept. 16.
Judd, Francis L., Rye, N. Y. Induction coils and inductance coupling devices. 199,629; Sept. 16.
Kakao-Kompagnie Theodor Reichardt Gesellschaft mit beschränkter Haftung, Wandsbek-Hamburg, Germany. Cocoa and chocolate. 183,978; Sept. 16.
Kasco Mills, Inc., Waverly, N. Y. Poultry feed. 158,874; Sept. 16.
Kaufman, Wolff, Paterson, N. J. Inductance coils and other coils for use in connection with radio telephone and telegraph apparatus. 179,152; Sept. 16.
Kay-White Products, Inc., New York, N. Y. Caramel paste, nougat cream, marshmallow topping, etc. 176,478; Sept. 16.
Keim, Harry J. S., doing business as Lehigh Medical Laboratory, Catasauqua, Pa. Compound for colds and grip. 200,766–8; Sept. 16.
Kelly Brothers, New Lexington, Ohio. Hair tonic or scalp lotion. 199,361; Sept. 16.
Kessler, Joseph J., doing business as The Blazine Ointment Co., Dubuque, Iowa. Healing salve. 199,893; Sept. 16.
Keystone Business Service Co. Inc., Scranton, Pa. Income-tax and business records. 185,082; Sept. 16.
Kilbourne & Clark Mfg. Co., Seattle, Wash. Radio apparatus and supplies. 194,714; Sept. 16.
Klein-Simpson Fruit Company, Los Angeles, Calif. Eggs, butter, fruit, etc. 194,453; Sept. 16.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Cotton piece goods. 193,047; Sept. 16.
Lafayette Pharmacal Co., The, La Fayette, Ind. Enteric or salol coated gelatin or other capsules intended for administration in the bowel. 190,596; Sept. 16.
Lamb Washing Machine Co., Chicago, Ill. Washing and centrifugal wringing machines. 199,945; Sept. 16.
Lang, Frank, Buffalo, N. Y. Smoked meats, butter, eggs, etc. 193,603; Sept. 16.
Lehigh Medical Laboratory. (See Keim, Harry J. S.)
Lehn & Fink, Inc., New York, N. Y. Antiseptics. 200,325; Sept. 16.
Leonard & Barrows, Middleboro and Boston, Mass. Rubber heels. 183,928; Sept. 16.
Lesavoy, Isadore L., New York, N. Y. Bloomers, pantalets, and knickers. 199,753; Sept. 16.
Lewis Drug Company, The, Montgomery, Ala. Hairdressing. 200,050; Sept. 16.
Life Chemistry Institute. (See Peck, Monroe S.)
Lightbown, J. W., & Sons, Accrington, England. Medicinal cough drops. 193,604; Sept. 16.
Loffler, A., Provision Company, Inc., Benning, D. C. Hams, bacons, sausage, pork puddings, etc. 197,886; Sept. 16.
Long, C. Smith, Portland, Oreg. Mouth massage for cleansing the teeth, gums, etc. 200,332; Sept. 16.
Loomis & Willson Co., The, Hartford, Conn. Table and dairy salt. 174,019; Sept. 16.
Lotus Drug Co., The, South Bend, Ind. Prophylactic. 200,568; Sept. 16.
Lovell & Christmas (U. S. A.) Limited, New York, N. Y. Butter and cheese. 199,070–2; Sept. 16.
Lowell Company, The, New York, N. Y. Face cream. 200,365; Sept. 16.
Lundt & Company, Inc., New York, N. Y. Auto brushes. 199,755; Sept. 16.
M & P Corset Co., The, Derby, Conn. Corsets, corsettos, combinettes, and brassières. 192,405; Sept. 16.
Macy, R. H., & Co., Inc., New York, N. Y. Children's and boys' and girls' shoes. 197,948; Sept. 16.
Macy, R. H., & Co., Inc., New York, N. Y. Men's athletic underwear. 200,333; Sept. 16.
Manco Mills. (See Mandel & Cohen.)
Mandel & Cohen, doing business as Manco Mills, New York, N. Y. Hosiery. 197,383; Sept. 16.
Mann, Gustav, Los Angeles, Calif. Prepared flour for waffles and pancakes. 199,639; Sept. 16.
Marshak Maltmolak Co. Inc., Brooklyn, N. Y. Food product. 198,463; Sept. 16.
Marshall-Wells Company, Duluth, Minn. Magazine. 200,824; Sept. 16.
Mascola, Anthony, doing business as Greater New York Barber Supply, Brooklyn, N. Y. Hair tonic, face lotions, toilet waters. 198,753; Sept. 16.
McAllister, Jennie L., & Son, Chicago, Ill. Cough sirup. 200,889; Sept. 16.
McClellan, Katherine, Decatur, Ill. Beef, pork, dried beef, onions, carrots, etc. 196,396; Sept. 16.
McLanathan, Frank W., doing business as F. W. McLanathan & Son, Lawrence, Mass. Leather belting. 184,210; Sept. 16.
McMorran, David, Port Huron, Mich. Dry powder cooked soup stock. 199,177; Sept. 16.
Merriam, H. W., Shoe Company, The, Newton, N. J. Children's shoes. 197,613; Sept. 16.
Milne, Charles A., doing business as Milne Manufacturing Company, Detroit, Mich. Exercising device for the feet. 200,337; Sept. 16.
Mitchell, William G., doing business as R. Mitchell Company, Boston, Mass. Radio circuit switches, variometers, variocouplers, etc. 197,209; Sept. 16.

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Mittelstaedt, Edward L., doing business as Mocq, Burnier & Cie., Inc., New York, N. Y. Lip rouge, sachet, face powder, etc. 197,387; Sept. 16.
Mocq, Burnier & Cie. (See Mittelstaedt, Edward L.)
Model Brassiere Co. Inc., New York, N. Y. Water and air resisting fabric for brassières, etc. 199,796; Sept. 16.
Molofsky, David, doing business as Slimo Chemical Company, Vineland, N. J. Preparation for use as a disinfectant, deodorant, insecticide, and germicide. 184,509; Sept. 16.
Moore Brothers, St. Thomas, Ontario, Canada. Antiseptic dressing. 166,838; Sept. 16.
Moore, William J., doing business as Biltmore Preserving Co., Knoxville, Tenn. Mayonnaise, Russian dressing, Melba sauce, etc. 200,004; Sept. 16.
Morris, Mann & Reilly, Inc., Chicago, Ill. Necklaces. 196,606; Sept. 16.
Mouradick, Thomas, Lone Star, Calif. Grapes. 183,341; Sept. 16.
Moyses & Sons, Inc., New York, N. Y. Woolen piece goods. 200,056; Sept. 16.
Muller, Franklyn R., Inc., Waukegan, Ill. Stucco composition flooring, magnesia flooring, etc. 199,124; Sept. 16.
Munro, Harold W., Providence, R. I. Dolls, tennis balls, baseballs, golf balls, etc. 199,288; Sept. 16.
Nashua Gummed & Coated Paper Company, Nashua, N. H. Waxed or parafin paper. 200,005; Sept. 16.
Nassar, Mansur M., Cincinnati, Ohio. Medicine for the feet. 200,328; Sept. 16.
Nep Products Company, Boston, Mass. Ointment. 200,826; Sept. 16.
New Metropolitan Fiction, Inc., New York, N. Y. Monthly magazine. 199,847; Sept. 16.
New York & Pennsylvania Company, Castanea, Pa., and New York, N. Y. Printing and lithographing paper. 200,006–7; Sept. 16.
Niagara Falls Milling Company, Buffalo, N. Y. Wheat flour. 198,534; Sept. 16.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 197,898; Sept. 16.
Northwestern Fisheries Company, Chicago, Ill. Canned salmon. 195,828; Sept. 16.
Old Bond Street Outfitters, Ltd., Atlantic City, N. J. Topcoats, sport suits, leather gloves, etc. 194,878; Sept. 16.
Omuen, Adolph C., doing business as The Armol Chemical Co., Baltimore, Md. Laxative tonic. 201,009; Sept. 16.
Original Monk Malt Co., Not Inc., Chicago, Ill. Malt extract. 198,881; Sept. 16.
Pangborn Corporation, Hagerstown, Md. Glue paper. 197,340; Sept. 16.
Pearson, Joseph W., doing business as The J. W. Pearson Paint & Varnish Company, Los Angeles, Calif. Paints and paint enamels. 198,324; Sept. 16.
Peck, Monroe S., doing business as Life Chemistry Institute, Erie, Pa. Compressed tablet. 195,010; Sept. 16.
Pep-o-Petrolatum Company. (See Des Anges, Henry L.)
Physical Culture Products Corporation, New York, N. Y. Hair shampoo. 200,301–2; Sept. 16.
Physical Culture Publishing Corp., New York, N. Y. Hair vitalizer or hair tonic. 195,710; Sept. 16.
Plumot, Jullenne, et Cie., Paris, France. Boots and shoes. 178,669; Sept. 16.
Portis Bros. Hat Co., Chicago, Ill. Caps for men and boys. 197,903; Sept. 16.
Powell, Bessie S., doing business as Both Tantum, Los Angeles, Calif. Marmalade, candy, fruits, jam, etc. 198,760; Sept. 16.
Price Hollister Co., The, Rockford, Ill. Transmissions for motor vehicles. 199,319; Sept. 16.
Pritchett & Gold and E. P. S. Co., Limited, London, England. Storage-battery and acid-proof boxes, cases, etc. 192,268; Sept. 16.
Rader Appliance Co. Inc., New York, N. Y., and West New York, N. J. Apparatus for filtering electric currents. 199,761; Sept. 16.
Radio Corporation of America, New York, N. Y. Radio receiving sets. 196,970; Sept. 16.
Radio Panel & Parts Corporation, New York, N. Y. Parts used particularly in radiowork. 195,073; Sept. 16.
Randles, John, Inc., New York, N. Y. Rice. 200,640–1; Sept. 16.
Redden, G. T., & Company, Denton, Md. Canned vegetables. 178,671; Sept. 16.
Reid, Murdoch & Co., Chicago, Ill. Canned goods, fruit preserves, cheese, etc. 180,943; Sept. 16.
Reinhard Electric Motor Company, The, Cleveland, Ohio. Electric motors. 199,574; Sept. 16.
Robb-Ross Co., The, Sioux City, Iowa. Vinegar and peanut butter. 181,045; Sept. 16.
Robinson, Wm. C., & Son Co., Baltimore, Md. Oil for flushing crank cases of internal-combustion engines. 181,313; Sept. 16.
Robinson, Wm. C., & Son Co., Baltimore, Md. Motor-fuel ingredients. 200,156; Sept. 16.
Rockhill Coal and Iron Company, Robertsdale and Philadelphia, Pa. Bituminous coal. 198,885; Sept. 16.
Rosenberg, Jos., & Co., New York, N. Y. Dresses. 200,122; Sept. 16.
Rothbaum, Julius, New York, N. Y. Fur collars, cuffs, and trimmings, and ladies' fur coats. 197,620; Sept. 16.
Rothstein, Maurice, Johnstown, Pa. Rosaries. 197,960; Sept. 16.
Rumford Chemical Works, Providence, R. I. Dough assistant consisting of an edible product. 197,621; Sept. 16.
Rush, G. W. C., doing business as Rushene Laboratories, Monroe, N. C. Pharmaceutical preparation used in the treatment of stomach, liver, etc., disorders. 200,091; Sept. 16.
Rushene Laboratories. (See Rush, G. W. C.)
Sands & Ross, Inc., New York, N. Y. Cotton padding used on laundry machines. 200,782; Sept. 16.
Sansone, Antonio, Newark, N. J. Tonic for general debility and organic weakness, etc. 200,463; Sept. 16.
Schuman, Abraham A. (See Irish Linen-Silk Company, assignor.)
Shapiro & Aronson, Inc., New York, N. Y. Electric-lighting-fixture parts. 191,915; Sept. 16.
Shely, Elizabeth, doing business as Gisele Laboratories, Los Angeles, Calif. Face cream, wrinkle eradicator, rouge paste, etc. 197,053; Sept. 16.
Shower Brothers Company, Bloomington and Indianapolis, Ind., and Burlington, Iowa. Monthly publication. 200,375; Sept. 16.
Slimo Chemical Company. (See Molofsky, David.)
Simon, Alfred L., & Company, New York, N. Y. Trimming feathers. 199,396; Sept. 16.
Smith, Kline & French Company, Philadelphia, Pa. Eye bath. 197,343; Sept. 16.
Smith, W. C., Glove Co. Inc., Gloversville, N. Y. Gloves. 182,883; Sept. 16.
Sobel Bros., New York, N. Y. Shoes. 198,330–1; Sept. 16.
Societa Anonima Prodotti Iozzi, Florence, Italy. Specific for the treatment of diseases of cattle. 190,817; Sept. 16.
Squillante, Vincent J., doing business as James Squillante, New York, N. Y. Olive oil. 196,683; Sept. 16.
Star Garter Co., Chicago, Ill. Infants' bibs and children's aprons. 192,935; Sept. 16.
Stein, Fred W., Atchison, Kans. Radio crystal rectifiers. 195,993; Sept. 16.
Stetson Shop, The, Pittsburgh, Pa. Leather shoes and boots. 198,593; Sept. 16.
Stone Shoe Company, The, Cleveland, Ohio. Leather shoes. 195,548; Sept. 16.
Swift and Company, Chicago, Ill. Fresh and cured pork and sausage. 199,585; Sept. 16.
Temko-Bass Shoe Co., Inc., New York, N. Y. Shoes of leather and fabric and combinations of leather and fabric. 194,756; Sept. 16.
Tolerton & Warfield Co., Sioux City, Iowa. Sliced beef, canned soups, tapioca, and spices. 88,374; Sept. 16.
Travis and Walker, Chicago, Ill. Insecticide. 176,660; Sept. 16.
Trendwell, Laurence E., doing business as Detroit Bale Tie Company, Detroit, Mich. Bale ties. 199,196; Sept. 16.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 199,507; Sept. 16.
Trotteur Hat Co., New York, N. Y. Women's sport wear. 198,545; Sept. 16.
Turner & Walls, New York, N. Y. Piece goods of silk, cotton, and mixtures thereof. 200,535; Sept. 16.
Tuttle, Orley C., Old Forge, N. Y. Carrying straps for creels and pack-basket harness. 194,960; Sept. 16.
Tuttle Press Company, The, Appleton, Wis. Crêpe paper. 196,322; Sept. 16.
Tuttle, R. M., doing business as R. M. Tuttle Popcorn Company, Spencer, Iowa. Raw pop corn. 199,726; Sept. 16.
U-Profit Cap Manufacturing Co. Inc., New York, N. Y. Caps and hats. 198,547; Sept. 16.
Ulmann, Bernhard Co. Inc., New York, N. Y. Stuffed playthings and foundation materials. 199,135; Sept. 16.
United Oil & Natural Gas Products Corporation, Monroe, La. Hydrocarbon black. 200,967–73; Sept. 16.
United Rubber and Leather Company, Boston, Mass. Heels and soles. 187,888; Sept. 16.
U. S. Sales Distributing Corporation, Duluth, Minn. Electrically operated and lighted stop and direction signals for vehicles. 193,197; Sept. 16.
Utt Juice Company, Tustin, Calif. Grape juice. 199,408; Sept. 16.
Vinatie, Frejus, Paris, France. Dates. 193,558; Sept. 16.
Walgreen Co., Chicago, Ill. Photographs. 200,024; Sept. 16.
Washburn Company, The, Worcester, Mass. Chains. 197,640; Sept. 16.
Widlar Company, The, Cleveland, Ohio. Sandwich spread. 193,976; Sept. 16.
Wood, James W., doing business as The Fallkill Products Co., Poughkeepsie, N. Y. Quinine, aspirin. 195,668; Sept. 16.
York Laboratories Co., Inc., York, Pa. Germicidal tablets, ointment, suppositories. 198,438; Sept. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 4.

Rugs, autos, etc., Composition for cleaning. E. J. Benton. 189,498; Sept. 16.

CLASS 6.

Alcohol, Rubbing. Stanhope Chemical Laboratories Inc. 189,161; Sept. 16; Serial No. 197,225; published July 1, 1924.
Antiseptic powders. Mrs. F. C. Dunn. 189,315; Sept. 16; Serial No. 196,698; published July 1, 1924.
Antiseptic solution. A. W. Fingl. 189,308; Sept. 16; Serial No. 196,859; published July 1, 1924.
Arsenical drugs. S. R. MacEwen. 189,401; Sept. 16; Serial No. 195,705; published July 8, 1924.
Capsule or tablet for colds and grippe. A. W. Fingl. 189,227; Sept. 16; Serial No. 196,860; published July 1, 1924.
Chemical preparation for treatment of colds, etc. A. C. Heath. 189,160; Sept. 16; Serial No. 197,201; published July 1, 1924.
Creams, skin beautifier, and facial pack, etc., Cleansing. L. E. Leonard. 189,291; Sept. 16; Serial No. 195,893; published July 1, 1924.
Dental cream. William A. Webster Company. 189,312; Sept. 16; Serial No. 196,779; published July 1, 1924.
Dyes. Wells & Richardson Company. 189,484; Sept. 16.
Dyestuffs. American Cellulose & Chemical Manufacturing Company Limited. 189,399; Sept. 16; Serial No. 195,564; published July 1, 1924.
Dyestuffs, intermediates, and accelerators for rubber vulcanization. Grasselli Chemical Company. 189,229; Sept. 16; Serial No. 196,865; published July 1, 1924.
Embalming fluids. Oakley Laboratories, Incorporated. 189,314; Sept. 16; Serial No. 196,753; published July 1, 1924.
Germicides, fungicides, fumigants, etc. Central Chemical Company. 189,164; Sept. 16; Serial No. 197,253; published July 1, 1924.
Hairdressing. Estee Laboratories Company. 189,235; Sept. 16; Serial No. 197,019; published July 1, 1924.
Hair grower. R. Knox. 189,405; Sept. 16; Serial No. 195,402; published July 1, 1924.
Hair tonic, nail polish, face powders, etc., Quinine. C. E. Coleman. 189,402; Sept. 16; Serial No. 195,738; published July 1, 1924.
Herbs, Aromatic combination of. M. F. Schlesinger. 189,239; Sept. 16; Serial No. 197,118; published July 1, 1924.
Insect-destroying preparations. F. S. J. Broome. 189,407; Sept. 16; Serial No. 195,800; published July 1, 1924.
Insecticide and germicide. M. C. Parker. 189,464; Sept. 16.
Laxative tea. A. W. Fingl. 189,309; Sept. 16; Serial No. 196,857; published July 1, 1924.
Liniment. J. C. Williams. 189,217; Sept. 16; Serial No. 196,283; published July 8, 1924.
Liniment and blood sirup. D. K. Cox. 189,159; Sept. 16; Serial No. 197,192; published July 1, 1924.
Lotion, Skin-beautifying. N. Montiel. 189,232; Sept. 16; Serial No. 196,963; published July 1, 1924.
Louse, flea, and insect destroyer. H. J. Smith. 189,157; Sept. 16; Serial No. 197,175; published July 1, 1924.
Medicated mud. Weldona Corporation. 189,240; Sept. 16; Serial No. 197,123; published July 1, 1924.
Medicinal compound. Hille Laboratories. 189,347; Sept. 16; Serial No. 193,285; published July 1, 1924.
Medicinal powder. Peet Stock Remedy Company. 189,316; Sept. 16; Serial No. 196,673; published July 1, 1924.
Medicinal preparation. Cathcart and Cathcart Inc. 189,158; Sept. 16; Serial No. 197,186; published July 1, 1924.
Medicinal preparation for pertussis. American Pharmacal Company. 189,213; Sept. 16; Serial No. 196,948; published July 1, 1924.
Medicinal preparation for rheumatism, cramps, headaches, etc. C. G. Piercy. 189,432; Sept. 16; Serial No. 186,524; published July 8, 1924.
Medicinal preparation for stomach disorders and kindred ailments. Herman's Pharmaceutical Laboratories. 189,461; Sept. 16; Serial No. 194,539; published July 1, 1924.
Medicinal preparation for tuberculosis and all lung affections. A. J. Polansky. 189,269; Sept. 16; Serial No. 195,185; published July 1, 1924.
Medicinal preparations. Plough Chemical Company. 189,351; Sept. 16; Serial No. 186,155; published July 1, 1924.
Medicine for indigestion, constipation, headaches, etc. E. Capeci. 189,212; Sept. 16; Serial No. 196,951; published July 1, 1924.
Medicine for malaria. A. Sansone. 189,238; Sept. 16; Serial No. 197,117; published July 1, 1924.
Medicine for pyorrhea. N. M. Dunman. 189,331; Sept. 16; Serial No. 192,013; published July 1, 1924.
Metal-hardening substances. Stassfurter Chemische Fabrik vormals Vorster & Grüneberg Actien-Gesellschaft. 189,205; Sept. 16; Serial No. 197,122; published July 1, 1924.
Mothproofing chemicals. Tinolan Co. of America, Inc. 189,311; Sept. 16; Serial No. 196,838; published July 1, 1924.
Mouth wash. W. A. Taylor. 189,218; Sept. 16; Serial No. 196,212; published July 8, 1924.
Mustard-plaster rub. O. G. Chemical Company. 189,313; Sept. 16; Serial No. 196,754; published July 1, 1924.
Nail polish. Northam Warren Corporation. 189,471; Sept. 16.
Oils greases, and gums used in the treatment of textiles. Arabol M'f'g. Co. 189,358; Sept. 16; Serial No. 189,028; published July 1, 1924.
Ointment. A. J. Branstad. 189,412; Sept. 16; Serial No. 194,781; published July 1, 1924.
Ointment for eczema and kindred skin troubles. E. Capeci. 189,211; Sept. 16; Serial No. 196,952; published July 1, 1924.
Pastes, powders, perfumery, etc. C. F. O. Müller. 189,206; Sept. 16; Serial No. 197,105; published July 1, 1924.
Perfume, toilet water, face and compact powders, etc. Coty, Inc. 189,494; Sept. 16.
Perfumery, hair tonics and dressings, shampoo preparations, etc. P. Moreschi. 189,231; Sept. 16; Serial No. 196,923; published July 1, 1924.
Perfumes, compact face powder, etc. Saussier, Inc. 189,246; Sept. 16; Serial No. 197,172; published July 1, 1924.
Perfumes, rouges, face lotions, etc. A. Holtz. 189,208; Sept. 16; Serial No. 197,072; published July 1, 1924.
Photography, Chemical reagent used in. Etablissements Poulenc Frères (Société Anonyme). 189,209; Sept. 16; Serial No. 197,021; published July 1, 1924.
Powder, Talcum. Maury-Cole Company. 189,242; Sept. 16; Serial No. 197,161; published July 1, 1924.
Powder, Talcum. Ukemco Corporation. 189,233; Sept. 16; Serial No. 196,992; published July 1, 1924.
Powdered mixture used as a cathartic. J. E. Gross. 189,434; Sept. 16; Serial No. 188,630; published July 1, 1924.
Powders, rouges, face creams, and lotions, Toilet. Caramia, Inc. 189,163; Sept. 16; Serial No. 197,252; published July 1, 1924.
Preparation for colds, etc. J. Filipowicz & Co. 189,241; Sept. 16; Serial No. 197,141; published July 1, 1924.
Preparation for corns, calli, and warts. W. F. Keeler. 189,490; Sept. 16; Serial No. 195,580; published July 1, 1924.
Preparation for indigestion, rheumatism, etc., Liquid. B. Barker. 189,234; Sept. 16; Serial No. 196,999; published July 1, 1924.
Preparation for leucorrhea, etc. Prebol Drug Company. 189,245; Sept. 16; Serial No. 197,168; published July 1, 1924.
Preparation for use in automobile radiators. R. F. Bonvillain. 189,384; Sept. 16; Serial No. 180,786; published July 1, 1924.
Preparation used to color sausage casings, Chemical. B. Heller & Company. 189,403; Sept. 16; Serial No. 195,744; published July 1, 1924.
Radiator compound. Conklin's Products Inc. 189,237; Sept. 16; Serial No. 197,063; published July 1, 1924.
Remedy for poison ivy, etc. L. Benz. 189,162; Sept. 16; Serial No. 197,247; published July 1, 1924.
Salt, baking powder, and cream of tartar. Gordon, Sewall & Co. 189,228; Sept. 16; Serial No. 196,862; published July 1, 1924.
Salve, Healing. F. Koeppen. 189,406; Sept. 16; Serial No. 195,404; published July 1, 1924.
Starch. Corn Products Refining Company. 189,404; Sept. 16; Serial No. 195,335; published July 1, 1924.
Starch, Laundry. Corn Products Refining Company. 189,428; Sept. 16; Serial No. 181,940; published July 1, 1924.
Toilet water, vegetal, bath salts, etc. Cheramy, Inc. 189,230; Sept. 16; Serial No. 196,908; published July 1, 1924.
Tonic. Phairmount Laboratories. 189,244; Sept. 16; Serial No. 197,166; published July 1, 1924.
Vanishing cream, face bleach, hair grower, etc. Clark Manufacturing Company. 189,210; Sept. 16; Serial No. 196,953; published July 1, 1924.
Wood-preserving, plant and animal destroying, and disinfecting preparations. Grubenholz-Imprägnierung G. m. b. H. 189,451; Sept. 16; Serial No. 194,056; published July 1, 1924.
Wood-preserving, plant and animal destroying, and disinfecting preparations. Grubenholz-Imprägnierung G. m. b. H. 189,452–3; Sept. 16; Serial Nos. 194,058–9; published July 1, 1924.

CLASS 13.

Valves and pipe unions. J. F. Schiller. 189,486; Sept. 16.

CLASS 14.

Brass or copper sheets and bars, etc. Taunton-New Bedford Copper Company. 189,219; Sept. 16; Serial No. 196,211; published July 8, 1924.
Metallic substance. W. M. Jones. 189,307; Sept. 16; Serial No. 197,486; published July 8, 1924.
Steel, High-speed. Jessop Steel Company. 189,454; Sept. 16; Serial No. 194,068; published July 1, 1924.
Welding metal. Société des Plaques et Poudres à Souder J. Lafflitte. 189,371; Sept. 16; Serial No. 164,519; published July 8, 1924.

CLASS 15.

Engines, Fuel for use in internal-combustion. Columbia Oil Company. 189,328; Sept. 16; Serial No. 191,674; published Apr. 22, 1924.
Fuel, Motor. H. A. Whitley. 189,172; Sept. 16; Serial No. 192,872; published May 27, 1924.
Lubricant or grease. Liberty Oil Company. 189,433; Sept. 16; Serial No. 188,247; published May 27, 1924.
Oil, Hydrocarbon filler for lubricating. R. L. Wise. 189,332; Sept. 16; Serial No. 192,049; published June 17, 1924.
Oils and greases, etc., Lubricating. Sterling Oil Company. 189,342; Sept. 16; Serial No. 193,005; published June 17, 1924.
Petroleum products. J. S. Stanley. 189,340; Sept. 16; Serial No. 192,862; published June 24, 1924.

CLASS 16.

Polish. O-Cedar Corp'n. 189,252; Sept. 16.

CLASS 19.

Journal boxes. T. H. Symington Company. 189,501; Sept. 16.

CLASS 23.

Automobiles, Device for tipping. Auto Tipper Co. 189,492; Sept. 16.
Automobiles, Gear-shift extension handles for. W. F. Dorgan. 189,459; Sept. 16; Serial No. 194,340; published July 1, 1924.
Clamps, shores, sleeper chairs, and form spacers, Form. Chicago Form Clamp Company. 189,389; Sept. 16; Serial No. 194,591; published July 1, 1924.
Drills, files, wrenches, etc., Twist. Franklin Hardware Co. 189,353; Sept. 16; Serial No. 186,636; published July 1, 1924.
Engines and parts thereof, Silencers for internal-combustion. International Silencer Company, Limited. 189,361; Sept. 16; Serial No. 189,460; published July 8, 1924.
Excavators, hoisting machines, etc., Trench. Northwest Engineering Company. 189,360; Sept. 16; Serial No. 189,334; published July 1, 1924.
Machines and apparatus used in the manufacture of puffs, toe casings, counters, etc. D. B. Macdonald. 189,349; Sept. 16; Serial No. 184,086; published July 8, 1924.
Screw drivers. H. J. Harrold. 189,465; Sept. 16.
Water mains and pipes, Apparatus for cleaning. A. W. Annert. 189,497; Sept. 16.

CLASS 26.

Measures, squares, angles, and drawing rulers, Linear. A. Graf von Faber-Castell. 189,380; Sept. 16; Serial No. 178,832; published July 8, 1924.
Scales, Weighing. Jacobs Bros. Co. 189,375; Sept. 16; Serial No. 171,496; published Feb. 6, 1923.

CLASS 37.

Albums. Universal Press, Inc. 189,272; Sept. 16; Serial No. 195,245; published June 17, 1924.
Announcements, stationery, and mailing envelopes. Hampshire Paper Company. 189,410; Sept. 16; Serial No. 194,920; published May 27, 1924.
Books, Exercise, composition, memorandum, and note. S. E. & M. Vernon Inc. 189,301; Sept. 16; Serial No. 195,664; published June 10, 1924.
Paper, Crêpe. Dennison Manufacturing Company. 189,178; Sept. 16; Serial No. 193,215; published May 27, 1924.
Paper, Kraft. Stone and Forsyth Company. 189,180–1; Sept. 16; Serial Nos. 193,257–8; published June 10, 1924.
Paper, Ledger. Aetna Paper Company. 189,478; Sept. 16.
Paper napkins. Tissue Company. 189,479; Sept. 16.
Paper napkins and table covers. Daniels Manufacturing Company. 189,270; Sept. 16; Serial No. 195,221; published May 27, 1924.
Paper, Tissue. Brooks Paper Company. 189,295; Sept. 16; Serial No. 195,799; published June 10, 1924.
Paper, Wrapping. Capital Paper Company. 189,436; Sept. 16; Serial No. 189,446; published May 27, 1924.
Paper, Wrapping. Capital Paper Company. 189,438; Sept. 16; Serial No. 190,574; published May 27, 1924.
Paper, Wrapping. Capital Paper Company. 189,441; Sept. 16; Serial No. 190,673; published May 27, 1924.
Paper, Wrapping. Stone and Forsythe Company. 189,480; Sept. 16.
Paper, Wrapping. Union Bag & Paper Corporation. 189,413–14; Sept. 16; Serial Nos. 194,680–1; published May 27, 1924.
Paper, Wrapping and toilet. Capital Paper Company. 189,440; Sept. 16; Serial No. 190,670; published May 27, 1924.
Papers, Book. Bergstrom Paper Company. 189,278–80; Sept. 16; Serial Nos. 195,478–80; published June 10, 1924.
Papers, Book. Bergstrom Paper Company. 189,281–2; Sept. 16; Serial Nos. 195,482–3; published June 10, 1924.
Pencils. Wall-Stieh Company. 189,327; Sept. 16; Serial No. 196,095; published June 10, 1924.
Photograph mountings and photographic folders and containers. California Card Manufacturing Co. 189,425; Sept. 16; Serial No. 193,896; published June 10, 1924.
Price markers and card holders, Sectional. Hopp Press Inc. 189,176; Sept. 16; Serial No. 192,977; published June 10, 1924.

CLASS 38.

Publications, Daily. Lockwood's. 189,482; Sept. 16.

CLASS 39.

Apparel, Wearing. Levi Strauss and Company. 189,350; Sept. 16; Serial No. 185,059; published June 17, 1924.
Aprons and dresses, Ladies'. La Crosse Garment Co. 189,195; Sept. 16; Serial No. 192,020; published June 17, 1924.
Belts. D. M. Wirth. 189,247; Sept. 16; Serial No. 195,032; published July 8, 1924.
Bloomers and waists. James A. Hearn & Son Inc. 189,261; Sept. 16; Serial No. 195,285; published June 24, 1924.
Boots and shoes. Bancroft Walker Company. 189,447; Sept. 16; Serial No. 193,759; published June 10, 1924.
Boots and shoes. Foot, Schulze & Co. 189,421; Sept. 16; Serial No. 194,100; published June 24, 1924.
Boots and shoes. C. B. Slater Company. 189,289; Sept. 16; Serial No. 195,915; published July 1, 1924.
Boots, shoes, and rubbers. Mishawaka Woolen Mfg. Co. 189,368; Sept. 16; Serial No. 151,462; published Nov. 20, 1923.
Boots, shoes, and slippers. International Shoe Company. 189,393; Sept. 16; Serial No. 194,800; published June 17, 1924.
Boots, shoes, and slippers. International Shoe Company. 189,408–9; Sept. 16; Serial Nos. 194,999–195,000; published July 1, 1924.
Clothes. Harris & Frank. 189,302; Sept. 16; Serial No. 195,641; published June 24, 1924.
Clothes, Men's and boys'. Chas. Douglis Mack Co. 189,260; Sept. 16; Serial No. 195,296; published June 17, 1924.
Clothing, Men's, young men's, and boys'. Globe Tailoring Company. 189,336; Sept. 16; Serial No. 192,613; published June 17, 1924.
Coats, capes, scarfs, hats, fur sets, etc. B. Sherman. 189,226; Sept. 16; Serial No. 172,072; published June 24, 1924.
Coats, Misses' and women's. Goldman Costume Company. 189,376; Sept. 16; Serial No. 172,090; published June 17, 1924.
Coats, suits, and wraps, Ladies'. Edward Kolbert & Sons. 189,344; Sept. 16; Serial No. 193,182; published June 10, 1924.
Coats, suits, skirts, and dresses, Ladies'. Knx Bleiweiss Company. 189,383; Sept. 16; Serial No. 180,185; published Aug. 21, 1923.
Collars, pyjamas, night robes, and underwear, Men's and boys'. H. Berger. 189,300; Sept. 16; Serial No. 195,673; published June 24, 1924.
Corsets. Strouse, Adler & Co. 189,463; Sept. 16; Serial No. 194,578; published June 10, 1924.
Corsets. Treo Company. 189,187; Sept. 16; Serial No. 176,296; published June 17, 1924.
Corsets, brassières, and garter brassières and girdles. Popular Brassiere Co. 189,462; Sept. 16; Serial No. 194,568; published June 10, 1924.
Corsets, corset covers, brassières, girdles, etc. Silk Maid Corset Co. 189,420; Sept. 16; Serial No. 194,220; published June 24, 1924.
Corsets, corset waists, etc., Women's and children's. Royal Worcester Corset Company. 189,202; Sept. 16; Serial No. 194,303; published June 24, 1924.
Cravats. R. Romagano. 189,397; Sept. 16; Serial No. 195,074; published June 17, 1924.
Dresses. Merry Maid Wedding Dress Co. 189,284; Sept. 16; Serial No. 195,529; published June 24, 1924.
Dresses. Rosenberg & Kutler, Inc. 189,460; Sept. 16; Serial No. 194,376; published June 10, 1924.
Dresses, cloaks, suits. Miss Junior Frocks. 189,166; Sept. 16; Serial No. 191,235; published July 8, 1924.
Dresses, suits, coats, etc., Ladies'. Miller-Wohl Co. 189,174; Sept. 16; Serial No. 192,921; published June 24, 1924.
Dresses, Tailor-made. Greenwald. Friedman & Co. 189,299; Sept. 16; Serial No. 195,684; published June 24, 1924.

Footwear. P. A. Sawyer & Co. 189,196; Sept. 16; Serial No. 192,433; published June 10, 1924.
Fur coats, muffs, etc. Vermont Silver Fox Company. 189,367; Sept. 16; Serial No. 191,650; published June 10, 1924.
Garters. Schneider, Battinus & Simon. 189,394; Sept. 16; Serial No. 194,818; published June 10, 1924.
Gloves. Glove Corporation. 189,363; Sept. 16; Serial No. 190,922; published June 10, 1924.
Gloves. Wimelbacher & Rice. 189,319; Sept. 16; Serial No. 196,360; published July 1, 1924.
Gloves and gauntlets. Missouri Glove Mfg. Co. 189,204; Sept. 16; Serial No. 194,365; published June 24, 1924.
Gloves and mittens. Boss Manufacturing Company. 189,372; Sept. 16; Serial No. 165,056; published Dec. 11, 1923.
Gloves, Cloth. Grewen Fabric Company. 189,191; Sept. 16; Serial No. 190,016; published May 20, 1924.
Gloves, Leather. A. Nelson. 189,341; Sept. 16; Serial No. 192,994; published June 17, 1924.
Gloves, Leather. John Wanamaker - Philadelphia. 189,456; Sept. 16; Serial No. 194,232; published June 10, 1924.
Gowns, coats, wraps, and hats, Ladies'. J. Sorel. 189,329–30; Sept. 16; Serial Nos. 191,845–6; published June 10, 1924.
Hats. N. J. Mass. 189,324–5; Sept. 16; Serial Nos. 196,173–4; published July 1, 1924.
Hats and caps. I. Centner. 189,267; Sept. 16; Serial No. 194,589; published June 17, 1924.
Hats and caps. E. V. Connett & Co. 189,345; Sept. 16; Serial No. 193,214; published June 10, 1924.
Hats and caps. Kanson Hat and Cap Manufacturing Company. 189,201; Sept. 16; Serial No. 194,106; published June 17, 1924.
Hats, Girls' and ladies'. Levis-Zukoski Mercantile Company. 189,203; Sept. 16; Serial No. 194,362; published June 24, 1924.
Hats, Ladies'. Better Hat Company. 189,346; Sept. 16; Serial No. 193,268; published June 10, 1924.
Hats, Ladies'. Levis-Zukoski Mercantile Company. 189,419; Sept. 16; Serial No. 194,361; published June 24, 1924.
Hats, Ladies'. J. Stein. 189,177; Sept. 16; Serial No. 193,139; published July 8, 1924.
Hats, Ladies'. Turgell & Rosenthal. 189,303; Sept. 16; Serial No. 195,604; published June 24, 1924.
Hats, Ladies' and children's. J. & K. Connor, Ltd. 189,194; Sept. 16; Serial No. 191,874; published June 24, 1924.
Hats, Men's. Melville Shoe Corporation. 189,169–70; Sept. 16; Serial Nos. 191,493–4; published June 24, 1924.
Hats, Men's. Stern Hat Company. 189,446; Sept. 16; Serial No. 193,634; published June 10, 1924.
Hats, Men's straw. Radio Hat Company. 189,225; Sept. 16; Serial No. 170,035; published July 8, 1924.
Hats, neckties, coats, belts, etc. Goldenberg's. 189,185; Sept. 16; Serial No. 170,646; published June 17, 1924.
Hats, Women's. Outlet Millinery Company. 189,186; Sept. 16; Serial No. 175,993; published June 24, 1924.
Hats, Women's. Outlet Millinery Company. 189,290; Sept. 16; Serial No. 195,903; published July 1, 1924.
Hosiery. Chipman Knitting Mills. 189,256; Sept. 16; Serial No. 195,573; published June 24, 1924.
Hosiery. Chipman Knitting Mills. 189,317; Sept. 16; Serial No. 196,511; published July 1, 1924.
Hosiery. Davenport Hosiery Mills. 189,348; Sept. 16; Serial Nos. 181,819–20; published June 10, 1924.
Hosiery. Davenport Hosiery Mills. 189,385–7; Sept. 16; Serial Nos. 181,680–2; published June 10, 1924.
Hosiery. Davenport Hosiery Mills. 189,391; Sept. 16; Serial No. 194,695; published June 10, 1924.
Hosiery. Durham Hosiery Mills. 189,321; Sept. 16; Serial No. 196,296; published July 1, 1924.
Hosiery. E & S Hosiery Mills. 189,423; Sept. 16; Serial No. 194,052; published July 8, 1924.
Hosiery. Equity Hosiery Mills. 189,382; Sept. 16; Serial No. 179,592; published July 10, 1924.
Hosiery. Interwoven Stocking Company. 189,251; Sept. 16; Serial No. 194,871; published June 17, 1924.
Hosiery. J. W. Landenberger & Co. 189,277; Sept. 16; Serial No. 195,451; published June 24, 1924.
Hosiery. H. Mantell. 189,485; Sept. 16.
Hosiery. "Onyx" Hosiery Inc. 189,258–9; Sept. 16; Serial Nos. 195,413–14; published June 24, 1924.
Hosiery. "Onyx" Hosiery Inc. 189,275–6; Sept. 16; Serial Nos. 195,411–12; published June 24, 1924.
Hosiery. Society Maid Hosiery Company. 189,318; Sept. 16; Serial No. 196,484; published July 1, 1924.
Hosiery. L. E. Taubel. 189,192; Sept. 16; Serial No. 190,137; published June 17, 1924.
Hosiery. J. P. Voorhees. 189,379; Sept. 16; Serial No. 178,314; published July 10, 1923.
Hosiery, fabric gloves, etc. C. F. Berg. 189,426; Sept. 16; Serial No. 193,891; published July 8, 1924.
Hosiery, Ladies'. Weinerth Knitting & Machine Co. 189,263; Sept. 16; Serial No. 195,145; published June 17, 1924.
Hosiery, Ladies' and men's full-fashioned. Nebel Knitting Company. 189,444; Sept. 16; Serial No. 193,412; published June 10, 1924.
Hosiery, sweaters, and knitted underwear. Hosiery Manufacturers Sales Co. 189,262; Sept. 16; Serial No. 195,171; published June 24, 1924.
Kimonos, wrappers, and bath robes. J. B. Mustin. 189,271; Sept. 16; Serial No. 195,235; published July 1, 1924.
Knit underwear and hosiery. Rathbun & Company. 189,424; Sept. 16; Serial No. 194,023; published July 8, 1924.
Knitted and textile garments. Wright's Underwear Company. 189,381; Sept. 16; Serial No. 179,343; published Feb. 26, 1924.
Mackintoshes and raincoats. Rogers Peet Company. 189,286; Sept. 16; Serial No. 196,031; published July 1, 1924.
Neckties. S. Deiches & Company. 189,475; Sept. 16.
Neckties. K. Winkelman. 189,257; sept. 16; Serial No. 195,428; published June 24, 1924.
Neckties and cravats. Hughes & Bradley Company. 189,338; Sept. 16; Serial No. 192,698; published June 17, 1924.
Neckties, Men's. Church, Webb & Close, Inc. 189,282; Sept. 16; Serial No. 195,492; published June 24, 1924.
Nightshirts, pyjamas, beach robes, etc. Faultless Nightwear Corporation (E. Rosenfeld & Co.). 189,250; Sept. 16; Serial No. 195,166; published June 24, 1924.
Overalls. Fletcher Brothers Co. 189,396; Sept. 16; Serial No. 194,989; published June 10, 1924.
Overalls, work shirts, hosiery, etc. Alabama Dry Goods Company. 189,248; Sept. 16; Serial No. 195,089; published June 24, 1924.
Overalls, work shirts, pants, trousers, etc. Baker, Hanna & Blake Co. 189,200; Sept. 16; Serial No. 193,749; published June 24, 1924.
Overcoats, coats, vests, trousers, Men's. M. H. Lambert. 189,496; Sept. 16.
Oversuits for boys and girls, Sport and play. Jenkins Manufacturing Company. 189,288; Sept. 16; Serial No. 195,965; published July 1, 1924.
Patterns, Blouse. York Manufacturing Co. . 189,417; Sept. 16; Serial No. 194,560; published June 24, 1924.
Petticoats, bloomers, and slips. I. Belley. 189,466; Sept. 16.
Pyjamas and night drawers. James A. Hearn & Son Inc. 189,483; Sept. 16.
Rubber heels. Cuppies Company, Manufacturers. 189,322; Sept. 16; Serial No. 196,237; published July 1, 1924.
Rubber soles and heels. Charles E. Wood, Inc. 189,450; Sept. 16; Serial No. 193,979; published June 17, 1924.
Rubber tips, soles, and heels. Taunton Rubber Company. 189,431; Sept. 16; Serial No. 185,727; published June 24, 1924.
Sandals and shoes. Maid-Rite Corporation. 189,357; Sept. 16; Serial No. 188,687; published June 17, 1924.
Shirts. Tutelman & Kohn. 189,352; Sept. 16; Serial No. 186,258; published Dec. 18, 1923.
Shirts and pyjamas, Dress, negligee, and work. Belcraft Shirt Co. 189,365; Sept. 16; Serial No. 191,524; published June 17, 1924.
Shirts, Men's and boys' flannel. Elder Mfg. Co. 189,390; Sept. 16; Serial No. 194,599; published June 10, 1924.
Shirts, pyjamas, collars, underwear, etc. James McCutcheon & Company. 189,179; Sept. 16; Serial No. 193,233; published June 24, 1924.
Shoes. L. Burger. 189,366; Sept. 16; Serial No. 191,596; published June 17, 1924.
Shoes. Camnreyer. 189,443; Sept. 16; Serial No. 191,121; published June 24, 1924.
Shoes, Hamilton, Brown Shoe Company. 189,474; Sept. 16.
Shoes. H. G. Kuechle. 189,481; Sept. 16.
Shoes. Marathon Shoe Co. 189,198; Sept. 16; Serial No. 192,711; published June 24, 1924.
Shoes. Miller-Lerch Shoe Manufacturing Company. 189,418; Sept. 16; Serial No. 194,364; published June 24, 1924.
Shoes. Phenix Shoe Mfg. Co. 189,359; Sept. 16; Serial No. 189,268; published Mar. 25, 1924.
Shoes and boots. La Crosse Rubber Mills Co. 189,337; Sept. 16; Serial No. 192,628; published June 17, 1924.
Shoes, Children's leather. Buckingham & Hecht. 189,388; Sept. 16; Serial No. 194,587; published June 17, 1924.
Shoes, Ladies'. Robinson-Bynon Shoe Company. 189,364; Sept. 16; Serial No. 191,140; published June 10, 1924.
Shoes, Leather. F. G. Delbon. 189,472; Sept. 16.
Shoes, Leather. Edmonds Shoe Company. 189,249; Sept. 16; Serial No. 195,097; published July 1, 1924.
Shoes, Leather. Strauss Leather Company. 189,422; Sept. 16; Serial No. 194,081; Published July 8, 1924.
Shoes, Leather. Warren Shoe Company. 189,457; Sept. 16; Serial No. 194,233; published June 10, 1924.
Shoes, Men's. International Shoe Company. 189,189; Sept. 16; Serial No. 187,820; published June 17, 1924.
Skirts, dresses, capes, etc. Marinette Knitting Mills. 189,489; Sept. 16.
Suits and caps, Boys'. R. De Lynn. 189,491; Sept. 16.
Suits and overcoats. Simon-Felsenthal Co. 189,487; Sept. 16.
Suits and overcoats, Men's and boys'. Louis Saks Clothing Co. 189,214; Sept. 16; Serial No. 178,363; published July 8, 1924.
Suits, coats, etc. Lorraine Manufacturing Company. 189,467–9; Sept. 16.

Suits, Men's. Cohn, Rissman & Co. 189,294; Sept. 16; Serial No. 195,866; published July 1, 1924.
Suits, Men's. R. H. Macy & Co. 189,268; Sept. 16; Serial No. 194,556; published June 17, 1924.
Suits, vests, shoes, neckties, collars, etc., Men's. Banks Inc. 189,458; Sept. 16; Serial No. 194,247; published June 10, 1924.
Suits, Women's. E. B. Nesbit. 189,377; Sept. 16; Serial No. 172,429; published June 10, 1924.
Suits, Young men's. R. H. Macy & Co. 189,415; Sept. 16; Serial No. 194,557; published June 24, 1924.
Suspenders and garters. Ivory Garter Company. 189,273–4; Sept. 16; Serial Nos. 195,400–1; published July 1, 1924.
Sweater coats, Knitted. Campe Corporation. 189,193; Sept. 16; Serial No. 191,054; published June 17, 1924.
Sweaters, bathing suits, hosiery, etc. American Hosiery and Underwear Corporation. 189,297; Sept. 16; Serial No. 195,795; published July 1, 1924.
Swimming suits. Jantzen Knitting Mills. 189,427; Sept. 16; Serial No. 195,593; published July 1, 1924.
Topcoats, Men's. Cohn, Rissman & Co. 189,293; Sept. 16; Serial No. 195,868; published July 1, 1924.
Trousers. Dutchess Manufacturing Co. 189,378; Sept. 16; Serial No. 173,595; published June 17, 1924.
Undergarment for women. Model Brassiere Co. 189,285; Sept. 16; Serial No. 196,066; published July 1, 1924.
Undergarments and negligees, Women's silk. Lande & Miskend. 189,326; Sept. 16; Serial No. 196,125; published July 1, 1924.
Undergarments for women. A. M. Lassen. 189,362; Sept. 16; Serial No. 190,598; published June 17, 1924.
Underwear. Carley-Rice Co. 189,175; Sept. 16; Serial No. 192,956; published June 24, 1924.
Underwear. Glix-Brand Underwear Co. 189,183; Sept. 16; Serial No. 193,457; published July 1, 1924.
Underwear, bath suits, petticoats, etc. H. Loeb & Co. 189,298; Sept. 16; Serial No. 195,701; published June 24, 1924.
Underwear, Children's athletic. Andala Company. 189,296; Sept. 16; Serial No. 195,796; published July 1, 1924.
Underwear for men, women, and children, Nainsook. J. B. Hirshfeld. 189,373; Sept. 16; Serial No. 166,072; published May 8, 1923.
Underwear, Knitted and woven. Brown Durrell Co. 189,188; Sept. 16; Serial No. 182,532; published June 24, 1924.
Underwear, Ladies' silk. M. Klugman. 189,292; Sept. 16; Serial No. 195,889; published July 1, 1924.
Underwear, Women's textile-fabric. Samuel Simon & Son, Inc. 189,287; Sept. 16; Serial No. 195,990; published July 1, 1924.
Welting. Barbour Welting Company. 189,493; Sept. 16.

CLASS 41.

Umbrellas. C. A. Clark. 189,197; Sept. 16; Serial No. 192,674; published June 24, 1924.

CLASS 42.

Sheets, pillowcases, and cotton fabrics. Schludel & McDaniels. 189,473; Sept. 16.
Silk and other piece goods. M. Ascher Silk Corporation. 189,502; Sept. 16.

CLASS 44.

Dental casts, forms, display stands, etc. Columbia X-Ray & Electric Corporation. 189,354; Sept. 16; Serial No. 188,182; published July 1, 1924.

CLASS 45.

Beverage. J. L. Robinson. 189,184; Sept. 16; Serial No. 193,543; published July 8, 1924.
Beverage and sirup for making the same. Carolina Bottling Company. 189,477; Sept. 16.
Beverages and compounds and concentrates for manufacturing the same. Citrus Products Company. 189,476; Sept. 16.
Beverages sold as soft drinks. Geo. Gunther Jr. Brewing Co. 189,242; Sept. 16; Serial No. 197,147; published July 8, 1924.

CLASS 46.

Fresh apples. T. A. Duthie. 189,306; Sept. 16; Serial No. 197,263; published July 8, 1924.
Bread. A. Benz, jr. 189,499; Sept. 16.
Bread. Pollack, Weeks Co. 189,470; Sept. 16.
Bread. Union Baking Company. 189,190; Sept. 16; Serial No. 188,167; published July 8, 1924.
Candies. Lydia Darrah Candy Shops, Inc. 189,215; Sept. 16; Serial No. 180,792; published June 24, 1924.
Candies. A. M. Gotro. 189,370; Sept. 16; Serial No. 153,094; published July 8, 1924.
Candies. F. M. Switzer. 189,374; Sept. 16; Serial No. 168,738; published Sept. 25, 1923.
Candies and chocolates. Aktieselskabet Freia Chocolade Fabrik. 189,171; Sept. 16; Serial No. 192,102; published July 1, 1924.
Candy. C. A. Asher. 189,333; Sept. 16; Serial No. 192,206; published July 8, 1924.
Candy. A. G. Morse Co. 189,369; Sept. 16; Serial No. 151,837; published July 8, 1924.
Candy bars. Chicago Truffles Co. 189,392; Sept. 16; Serial No. 194,788; published July 8, 1924.
Canned and dehydrated fruits and berries. King's Food Products Co. 189,430; Sept. 16; Serial No. 185,599; published July 8, 1924.
Canned asparagus. Oneida Community, Ltd. 189,335; Sept. 16; Serial No. 192,544; published July 8, 1924.
Canned fish. Strohmeyer & Arpe Company. 189,222; Sept. 16; Serial No. 196,080; published July 8, 1924.
Canned fruits and vegetables. Sussman, Wormser & Co. 189,398; Sept. 16; Serial No. 195,464; published July 8, 1924.
Canned grapes, olives, figs, etc. Wester Grocer Company. 189,165; Sept. 19; Serial No. 191,153; published July 1, 1924.
Canned pineapple. Hawaiian Pineappie Company, Ltd. 189,305; Sept. 16; Serial No. 197,149; published July 8, 1924.
Canned sardines. James P. Smith & Company. 189,223; Sept. 16; Serial No. 195,991; published July 8, 1924.
Canned vegetables. Adam Brothers Company. 189,455; Sept. 16; Serial No. 194,148; published July 8, 1924.
Canned vegetables. Oconomowoc Canning Company. 189,207; Sept. 16; Serial No. 197,040; published July 8, 1924.
Canned vegetables. Sears and Nichols Canning Co. 189,445; Sept. 16; Serial No. 193,629; published July 8, 1924.
Coffee. Jones Brothers Tea Company. 189,343; Sept. 16; Serial No. 193,046; published July 8, 1924.
Confection composed of figs and nuts. M. B. Levi. 189,224; Sept. 16; Serial No. 195,897; published July 8, 1924.
Corn meal, chops, and bran, alfalfa meal, etc. Cuero Mill and Feed Company. 189,204; Sept. 16; Serial No. 195,053; published July 8, 1924.
Dates and date butter, Fresh. W. S. Myers. 189,355–6; Sept. 16; Serial Nos. 188,273–4; published July 8, 1924.
Eggs. J. F. Byrne. 189,253; Sept. 16; Serial No. 197,703; published July 8, 1924.
Feed, Animal. Hiawatha Gin and Manufacturing Company. 189,236; Sept. 16; Serial No. 197,028; published July 1, 1924.
Feeds, Poultry mash and scratch. Barker, Moore & Mein Medicine Company. 189,500; Sept. 16.
Flour. I. S. Kleiner. 189,254; Sept. 16; Serial No. 197,331; published July 8, 1924.
Flour, Wheat. Millers Milling Co. 189,255; Sept. 16; Serial No. 196,467; published July 8, 1924.
Flours, Griddle-cake. Fishback Co. 189,442; Sept. 16; Serial No. 190,919; published June 24, 1924.
Food and granulated cereal food products, Health. G. E. Lluch. 189,339; Sept. 16; Serial No. 192,705; published July 8, 1924.
Foods, Animal. Chemical Products Company. 189,266; Sept. 16; Serial No. 194,787; published July 8, 1924.
Fruit and peanuts, Mixtures of dried. B. Tyler. 189,449; Sept. 16; Serial No. 193,867; published July 8, 1924.
Fruits, dried fruits, nuts, etc., Fresh citrous. Orangethorpe Citrus Association. 189,220; Sept. 16; Serial No. 196,190; published July 8, 1924.
Fruits, Fresh citrons. Duarte Orchards Company. 189,221; Sept. 16; Serial No. 196,160; published July 8, 1924.
Honey. J. G. Paton. 189,488; Sept. 16.
Ice cream and cake icing, Topping for. Atlas Candy Company. 189,429; Sept. 16; Serial No. 183,813; published June 24, 1924.
Ice-cream cones. Sugar Cone Mfg. Co. 189,495; Sept. 16.
Lentils, Dried. Graham Co. 189,167; Sept. 16; Serial No. 191,264; published June 24, 1924.
Meat products, Prepared and canned. F. G. Vogt & Sons, Inc. 189,395; Sept. 16; Serial No. 194,963; published July 8, 1924.
Milk, Evaporated skimmed. Universal Milk Company. 189,320; Sept. 16; Serial No. 196,358; published July 1, 1924.
Oil, Olive. A. Germans & Son. 189,416; Sept. 16; Serial No. 194,534; published July 1, 1924.
Oranges. Sierra Vista Packing Association. 189,334; Sept. 16; Serial No. 192,152; published July 8, 1924.
Pastry, Fancy. C. R. Pegree Company. 189,199; Sept. 16; Serial No. 192,729; published July 8, 1924.
Peanut butter. Wilmar Manufacturing Company. 189,310; Sept. 16; Serial No. 196,842; published June 24, 1924.
Peanut butter, salted peanuts, creamery butter, cottage cheese, etc. Southern Food Products Company. 189,435; Sept. 16; Serial No. 188,644; published June 24, 1924.
Pork and sausage. Swift and Company. 189,490; Sept. 16.
Rice. Seaboard Rice Milling Company. 189,265; Sept. 16; Serial No. 194,819; published July 8, 1924.
Salad dressing. N. K. Chesbrough. 189,182; Sept. 16; Serial No. 193,447; published July 1, 1924.
Sandwich filling. McDonald-Steube Co. 189,323; Sept. 16; Serial No. 196,175; published June 24, 1924.
Sauce, Table. Mandarin Sauce Co. 189,173; Sept. 16; Serial No. 192,920; published June 24, 1924.

Sirup of a malt-cereal nature, Bakers'. P. Ballantine and Sons. 189,437; Sept. 16; Serial No. 190,228; published June 24, 1924.
Spices, food-flavoring extracts, butter, etc. C. E. Mari. 189,168; Sept. 16; Serial No. 191,393; published June 24, 1924.
Tapioca. J. L. Cushman. 189,411; Sept. 16; Serial No. 94,911; published July 1, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 189,448; Sept. 16; Serial No. 193,817; published July 8, 1924.
Tomato products. Strohmeyer & Arpe Company. 189,304; Sept. 16; Serial No. 195,549; published July 1, 1924.
Vinegar. C. L. Powell, Inc. 189,439; Sept. 16; Serial No. 190,648; published June 24, 1924.
Walnuts. Bennett Day Importing Company. 189,216; Sept. 16; Serial No. 196,425; published July 8, 1924.

ALPHABETICAL LIST OF LABELS.

Aer Cel. For Towel Sets. Capital Knitting Co. 27,840; Sept. 16.
Army. For Work Shirts. Reliance Manufacturing Company. 27,878; Sept. 16.
Army (Flannel). For Work Shirts. Reliance Manufacturing Company. 27,879; Sept. 16.
Bambina. For Hair-Tonic Tablets. H. B. Lombard. 27,849; Sept. 16.
Big Six (in diamond). For Work Shirts. Reliance Manufacturing Company. 27,873; Sept. 16.
Big Yank. For Work Shirts. Reliance Manufacturing Company. 27,872; Sept. 16.
Big Yank Coat. For Work Shirts. Reliance Manufacturing Company. 27,874; Sept. 16.
Big Yank Flannel. For Work Shirts. Reliance Manufacturing Company. 27,875; Sept. 16.
Big Yank Junior. For Work Shirts. Reliance Manufacturing Company. 27,869; Sept. 16.
Black Beauty. For Work Shirts. Reliance Manufacturing Company. 27,870; Sept. 16.
Candy for Mother. For Candy. National Confectioners' Association. 27,860; Sept. 16.
Certified Creamery Butter. For Butter. Menasha Printing and Carton Company. 27,852; Sept. 16.
Chapman's Crystal Springs Butter. For Butter. Menasha Printing and Carton Company. 27,851; Sept. 16.
Christmas Candy. For Candy. National Confectioners' Association. 27,865; Sept. 16.
Columbia Lantern Battery. For Electric Batteries. National Carbon Company. 27,859; Sept. 16.
Diamond H Line Lace Valentine Outfit. For a Box Containing Material for Making Valentines. J. G. Henderson. 27,846; Sept. 16.
Double Loaf. For Bread. Waxide Paper Company. 27,882; Sept. 16.
Dynamo Special. For Work Shirts. Reliance Manufacturing Company. 27,877; Sept. 16.
Easter Candy. For Candy. National Confectioners' Association. 27,862; Sept. 16.
Eau de Quinine Fine Aux Fleurs de France. For Quinine Water. G. L. Courtois. 27,841; Sept. 16.
Fifty-Fifty. For Cigars. J. C. Winter & Co. 27,883; Sept. 16.
First Prize Creamery Butter. For Butter. Menasha Printing and Carton Company. 27,853; Sept. 16.
4 U (For You). For Fresh Apples. Frei Bros. 27,844; Sept. 16.
Goodie Cake. For Cakes. Waxide Paper Company. 27,881; Sept. 16.
Hallowe'en Candy. For Candy. National Confectioners' Association. 27,863; Sept. 16.
Harvest Moon. For Candy. Milwaukee Paper Box Company. 27,856; Sept. 16.
Hom-Aid Bread. For Bread. Menasha Printing and Carton Company. 27,855; Sept. 16.
Kaptain Khakl. For Work Shirts. Reliance Manufacturing Company. 27,871; Sept. 16.
La France. For Laundry Tablets. La France Manufacturing Co. 27,848; Sept. 16.
Lucky Clover Creamery Butter. For Butter. Menasha Printing and Carton Company. 27,854; Sept. 16.
M-F-G. For Work Shirts. Reliance Manufacturing Company. 27,867; Sept. 16.
Milton F. Goodman. For Work Shirts. Reliance Manufacturing Company. 27,868; Sept. 16.
Pic-Nic-Pak. For Paper Napkins and Paper Table Covers. Daniels Manufacturing Company. 27,842; Sept. 16.
Princess Nuts and Fruits. For Candy. Milwaukee Paper Box Company. 27,857; Sept. 16.
Puritan Eggs. For Eggs. Menasha Printing and Carton Company. 27,850; Sept. 16.
Queen Quality. For Mayonnaise Dressing. Joseph Siegel & Son. 27,880; Sept. 16.
Sentinel. For Work Shirts. Reliance Manufacturing Company. 27,876; Sept. 16.
Superior. For Canned Tuna Fish. Franco Italian Packing Co. 27,843; Sept. 16.
Superior. For Fresh Pears. L. F. Hughes. 27,847; Sept. 16.
Thanksgiving Candy. For Candy. National Confectioners' Association. 27,864; Sept. 16.
To My Valentine. For Candy. National Confectioners' Association. 27,861; Sept. 16.
Uncle Sam's Big Dandy Wonder Box. For a Box Containing Pictures, Puzzles, Novelties. J. G. Henderson. 27,845; Sept. 16.
Velvet Orangade. For a Beverage. F. W. Moore. 27,858; Sept. 16.
Your Sunday Candy. For Candy. National Confectioners' Association. 27,866; Sept. 16.

ALPHABETICAL LIST OF PRINTS.

Comet Rice. For Rice. Seaboard Rice Milling Co. 7,590; Sept. 16.
Howd'y' Do? For Automotive-Vehicle Service-Station Supplies and Facilities. J. L. Tanner. 7,591; Sept. 16.
Motormates. For Gasoline and Motor Oil. Associated Oil Company. 7,584; Sept. 16.
Our Charley. For Candy. J. D. Roszell Company. 7,589; Sept. 16.
Pipe Your Pipe Troubles. For Leader Pipes and Roofs. J. C. McCurdy. 7,587; Sept. 16.
The greatest need of the growing child—Energy. For Wheat Breakfast Food. Cream of Wheat Co. 7,585; Sept. 16.
Trusses. For Trusses, Supporters, and Similar Devices. Ohio Truss Co. 7,588; Sept. 16.
What's Over Your Head? Roofing is a Business. For Roofing. A. K. Goodmundson. 7,586; Sept. 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Anthracite Fuel Corporation. 198,776–7; Sept. 16.
Coal, Bituminous. Rockhill Coal and Iron Company. 198,885; Sept. 16.

CLASS 2.

Cases or containers, Powder. Celmm Company. 195,333; Sept. 16.
Creels and pack-basket harness, Carrying straps for. O. C. Tuttle. 194,960; Sept. 16.
Thermos bottles. American Thermos Bottle Company. 198,696; Sept. 16.

CLASS 5.

Patching hosiery, etc., Fluid for. Home Patch-Rite Distributing Co. 198,801; Sept. 16.

CLASS 6.

Antiseptic dressing. Moore Brothers. 166,838; Sept. 16.
Antiseptics. Lehn & Fink, Inc. 200,325; Sept. 16.
Calcium medication for bronchitis, pneumonia, etc., Iodized. Drug Products Co. 200,715; Sept. 16.
Chemical for assisting in dyeing operations. John Campbell & Co. 200,710; Sept. 16.
Compact, refills, rouge, and poudre. J. Josias. 199,478; Sept. 16.
Compound for the treatment of rheumatic pains, headache, etc. A. J. Henderson. 198,744; Sept. 16.
Compound for treating colds and grip. H. J. S. Kelm. 200,766–8; Sept. 16.
Compound for treating fabrics. Hazleton Syrup Co. 200,358; Sept. 16

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cough sirup. Jennie L. McAllister & Son. 200,889; Sept. 16.
Cream, Face. Lowell Company. 200,365; Sept. 16.
Cream, Facial. H. Blackett. 200,419; Sept. 16.
Cream, wrinkle eradicator, rouge paste, etc., Face. E. Shely. 197,053; Sept. 16.
Dentifrice. R. H. Brownlee. 200,847; Sept. 16.
Eye bath. Smith, Kline & French Company. 197,343; Sept. 16.
Fire-extinguishing material. W. Z. Adamson. 200,740; Sept. 16.
Fuel ingredients, Motor-. Wm. S. Robinson & Son Co. 200,156; Sept. 16.
Gelatin or other capsules intended for administration in the bowel. Lafayette Pharmacal Co. 190,596; Sept. 16.
Hairdressing. Lewis Drug Company. 200,050; Sept. 16.
Hair-removing wax. P. Greenfield. 188,414; Sept. 16.
Hair shampoo. Physical Culture Products Corporation. 200,301–2; Sept. 16.
Hair tonic. E. G. Anagnos. 200,743; Sept. 16.
Hair tonic, face lotions, toilet waters. A. Mascola. 198,753; Sept. 16.
Hair tonic or scalp lotion. Kelly Brothers. 199,361; Sept. 16.
Hair vitalizer or hair tonic. Physical Culture Publishing Corp. 195,710; Sept. 16.
Hydrocarbon black. United Oil & Natural Gas Products Corporation. 200,067–73; Sept. 16.
Insecticide. Travis and Walker. 176,660; Sept. 16.
Massage for cleansing the teeth, gums, etc., Mouth. C. S. Long. 200,332; Sept. 16.
Medicinal cough drops. J. W. Lightbown & Sons. 193,604; Sept. 16.
Medicinal preparation. Catawba Chemical Company. 200,134; Sept. 16.
Medicinal preparation for high blood pressure, etc. Drug Products Co. 200,714; Sept. 16.
Medicine for the feet. M. M. Nassar. 200,338; Sept. 16.
Medicine, Laxative. H. P. Field. 198,229; Sept. 16.
Medicines, ointments, hair tonic, etc. Bennett & Royalty. 181,374; Sept. 16.
Ointment. Nep Products Company. 200,826; Sept. 16.
Ointment, Pile. G. J. Auclair. 200,030; Sept. 16.
Perfume extracts, face and vanishing creams, etc. J. H. Good. 199,689-90; Sept. 16.
Pharmaceutical preparation. Haley M-O Company. 199,354; Sept. 16.
Pills, Cathartic. Foster-McClellan Co. 188,195; Sept. 16.
Preparation for dyspepsia, indigestion, etc., Proprietary. G. M. Clark. 200,670; Sept. 16.
Preparation for stomach, liver, etc. disorders, Pharmaceutical. G. W. C. Rush. 200,691; Sept. 16.
Preparation for straightening and improving the hair. R. Eason. 200,482; Sept. 16.
Preparation for the hair. Dixie Chemical Company. 171,047; Sept. 16.
Preparation for the treatment of diptheria, etc. L. M. Best. 197,699; Sept. 16.
Preparation for use as a disinfectant, deodorant, etc. D. Molofsky. 184,509; Sept. 16.
Preparation of chlorine for psoriasis and eczema. Chlorine Products Co. 199,821; Sept. 16.
Prophylactic. Lotus Drug Co. 200,568; Sept. 16.
Quinine and aspirin. J. W. Wood. 195,668; Sept. 16.
Rouge. Guy T. Gibson, Incorporated. 183,914; Sept. 16.
Rouge. Janny Manufacturing Company. 200,320; Sept. 16.
Rouge, sachet, face powder, etc., Lip. E. L. Mittelstaedt. 197,387; Sept. 16.
Salt. Loomis & Willson Co. 174,019; Sept. 16.
Salve, Healing. J. J. Kessler. 199,893; Sept. 16.
Scalp tonic. C. Brower. 200,132; Sept. 16.
Shampoo preparation. Flosmor Manufacturing Company. 199,837; Sept. 16.
Specific for the treatment of diseases of cattle. Societa Anonima Prodotti Iozzi. 190,817; Sept. 16.
Tablet, Compressed. M. S. Peck. 195,010; Sept. 16.
Tablets, ointment, suppositories, Germicidal. York Laboratories. 198,438; Sept. 16.
Throat swab or spray. Glaston-ol Lab. Corp. 200,717; Sept. 16.
Tonic for general debility and organic weakness, etc. A. Sansone. 200,463; Sept. 16.
Tonic, Intestinal. H. L. Des Anges. 186,050; Sept. 16.
Tonic, Laxative. A. C. Onnen. 201,009; Sept. 16.

CLASS 12.

Cement, Portland. Coplay Cement Manufacturing Company. 192,604; Sept. 16.
Stucco composition and magnesia flooring, etc. Franklyn R. Muller, Inc. 199,124; Sept. 16.

CLASS 13.

Bale ties. L. E. Treadwell. 199,196; Sept. 16.
Chains. Washburn Company. 197,640; Sept. 16.

CLASS 14.

Bars, Cored and solid. Cored Bar Corporation. 191,364–5; Sept. 16.

CLASS 15.

Oil. Wm. C. Robinson & Son Co. 181,313; Sept. 16.
Oils. Atlantic Refining Company. 195,671; Sept. 16.

CLASS 16.

Paint, Ready-mixed. Devoe & Raynolds Co. 197,721; Sept. 16.
Paints. Fisher-Smith Mfg. Co. 198,001; Sept. 16.
Paints and paint enamels. J. W. Pearson. 198,324; Sept. 16.
Paints, Mixed. Cook Paint & Varnish Company. 196,648; Sept. 16.
Pigment paste. R. F. Johnston Paint Company. 197,942; Sept. 16.
Turpentine and pine oil. Hercules Powder Company. 167,813–14; Sept. 16.

CLASS 21.

Armatures, magnet chargers, commutators, motors, etc. E. R. Hickey. 197,598; Sept. 16.
Coils and inductance coupling devices, Induction. F. L. Judd. 199,629; Sept. 16.
Electric currents, Apparatus for filtering. Rader Appliance Co. 199,761; Sept. 16.
Electric-lighting-fixture parts. Shapiro & Aronson, Inc. 191,915; Sept. 16.
Electrically operated and lighted stop and direction signals for vehicles. U. S. Sales Distributing Corporation. 193,197; Sept. 16.
Inductance, electrical, and other coils. W. Kaufman. 179,152; Sept. 16.
Motors, Electric. Reinhard Electric Motor Company. 199,574; Sept. 16.
Radio apparatus and supplies. Kilbourne & Clark Mfg. Co. 194,714; Sept. 16.
Radio circuit switches, variometers, variocouplers, etc. W. G. Mitchell. 197,209; Sept. 16.
Radio crystal rectifiers. F. W. Stein. 195,993; Sept. 16.
Radio loud speakers, Attachment for utilizing phonographs as. Dictograph Products Corporation. 198,993; Sept. 16.
Radio receiving sets. Golden-Leutz Inc. 197,537; Sept. 16.
Radio receiving sets. Gotham Wireless, Inc. 199,749; Sept. 16.
Radio receiving sets. Radio Corporation of America. 196,970; Sept. 16.
Radio sets. Globe Electric Co. 197,199; Sept. 16.
Radio switch blocks. Dictograph Products Corporation. 198,994; Sept. 16.
Radiotransformers. Andrews Radio Company. 196,147; Sept. 16.
Radiotransformers. Andrews Radio Company. 198,105; Sept. 16.
Radiowork, Parts used particularly in. Radio Panel & Parts Corp. 195,073; Sept. 16.
Storage-battery and acid-proof boxes, cases, etc. Pritchett & Gold and E. P. S. Company. 192,268; Sept. 16.
Telephone mouthpieces, Silencing device to go over. M. R. Hutchison. 199,482; Sept. 16.
Telephone receiver, Device for attaching to. M. R. Hutchison. 199,483; Sept. 16.
Tubes to serve as detectors, amplifiers, and rectifiers, Brightson Laboratories Inc. 199 037; Sept. 16.
Wire, Rubber covered. Diamond Braiding Mills. 199,046; Sept. 16.

CLASS 22.

Dolls, Crocheted costume for celluloid. H. G. Barker. 199,600; Sept. 16.
Dolls, tennis balls, card games, etc. H. W. Munro. 199,288; Sept. 16.
Exercising device for the feet. C. A. Milne. 200,337; Sept. 16.
Playthings and foundation materials, Stuffed. Bernhard Ulmann Co. 199,135; Sept. 16.
Toy animals, figure toys, dolls. F. J. Baum. 196,898; Sept. 16.
Vehicle, Child's two-wheeled. Colson Company. 170,369–70; Sept. 16.

CLASS 23.

Loading machines. Joy Machine Company. 199,841; Sept. 16.
Vehicles, Transmissions for motor. Price Hollister Co. 199,319; Sept. 16.

CLASS 24.

Washing and centrifugal wringing machines. Lamb Washing Machine. 199,945; Sept. 16.
Washing and dry-cleaning machines. American Laundry Machinery Company. 182,328; Sept. 16.

CLASS 26.

Lenses, Ophthalmic. California Optical Co. 198,614; Sept. 16.
Photographic lenses and lens mountings. Ilex Optical Company. 198,747; Sept. 16.
Resistance, inductance and capitance, etc., Standards of. General Radio Company. 194,917; Sept. 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Telescopes, microscope supports, etc., Measuring. Gaertner Scientific Corporation. 197,535; Sept. 16.

CLASS 27.

Watches. Bayer, Pretzfelder & Mills, Inc. 196,363; Sept. 16.

CLASS 28.

Buttons, cuff buttons, and links, and snap links, Collar. American Jewelry Co. 199,202; Sept. 16.
Coffeepots, sugar bowls, cream pitchers, etc. Jennings Silver Co. 192,618; Sept. 16.
Necklaces. Morris, Manu & Reilly, Inc. 196,606; Sept. 16.
Pearls. Gold Seal Jewelers. 184,550; Sept. 16.
Rosaries. M. Rothstein. 197,960; Sept. 16.

CLASS 29.

Brushes, Auto. Lundt & Company. 199,755; Sept. 16.
Windshield cleaners. Trico Products Corporation. 199,507; Sept. 16.

CLASS 34.

Water heater, Automatic. Goodman Automatic Water Heater Co. 197,756; Sept. 16.

CLASS 35.

Belting, Leather. F. W. McLanathan. 184,210; Sept. 16.

CLASS 37.

Crayons. American Crayon Company. 199,918–19; Sept. 16.
Crayons. American Crayon Company. 199,921–5; Sept. 16.
Paper and envelopes, Correspondence. P. H. Bird. 200,032; Sept. 16.
Paper, Crêpe. American Tissue Mills. 199,965–9; Sept. 16.
Paper, Crêpe. Tuttle Press Company. 196,322; Sept. 16.
Paper, Glue. Fangborn Corporation. 197,340; Sept. 16.
Paper napkins, towels, etc. H. N. Goldsmith. 193,103; Sept. 16.
Paper, Printing and lithographing. New York & Pennsylvania Company. 200,006–7; Sept. 16.
Paper, Toilet. Northern Paper Mills. 197,898; Sept. 16.
Paper, Waxed or paraffin. Nashua Gummed & Coated Paper Company. 200,005; Sept. 16.
Paper, Writing and printing. International Paper Company. 199,890; Sept. 16.
Records, Income-tax and business. Keystone Business Service Co 185,082; Sept. 16.

CLASS 38.

Booklets. General Advertising Company. 200,390; Sept. 16.
Magazine. New Metropolitan Fiction, Inc. 199,847; Sept. 16.
Magazine, Monthly. Marshall-Wells Company. 200,824; Sept. 16.
Newspaper section. International Feature Service, Inc. 199,990; Sept. 16.
Periodical. A. Jacob. 200,768; Sept. 16.
Periodicals, Monthly. Gilbert & Barker Manufacturing Company. 200,251; Sept. 16.
Photographs. Walgreen Co. 200,024; Sept. 16.
Publication. Shower Brothers Company. 200,375; Sept. 16.
Publication, Monthly. Inecto, Inc. 200,104; Sept. 16.
Publication, Periodical. Carnegie Endowment for International Peace. 200,849; Sept. 16.
Reports, Weekly. Editorial Research Reports. 200,249; Sept. 16.

CLASS 39.

Bibs and children's aprons, Infants'. Star Garter Co. 192,935; Sept. 16.
Bloomers, pantalets, and knickers. I. L. Lesavoy. 199,753; Sept. 16.
Bonnets, hats, gloves, coats, etc., Ladies'. K. A. Courtney. 198,507; Sept. 16.
Boots and shoes. Julienne Plumot et Cie. 178,669; Sept. 16.
Boots, moccasins, shoes, hooded jackets, knickers, Skin. International Grenfell Association, Inc. 180,866; Sept. 16.
Boots, shoes, and slippers. Cammeyer. 194,907; Sept. 16.
Brassières and corsets. Francburt, Inc. 193,221; Sept. 16.
Caps. Portis Bros. Hat Co. 197,903; Sept. 16.
Caps and hats. U-Profit Cap Manufacturing Co. 198,547; Sept. 16.
Clothing. Irish Linen-Silk Company. 197,940; Sept. 16.
Corsets, corsettes, combinettes, and brassières. M & P Corset Co. 192,405; Sept. 16.
Dresses. Jos. Rosenberg & Co. 200,122; Sept. 16.
Fur collars, cuffs, trimmings, and ladies' coats. J. Rothbaum. 197,620; Sept. 16.
Garters, supporters, suspenders, and wristbands. H. Barnowitz. 196,424; Sept. 16.
Gloves. W. C. Smith Glove Co. 182,883; Sept. 16.
Gowns, bath robes, beach capes, Lounging. Fischer-Jelenko Inc. 198,513; Sept. 16.
Hats for women and children. Gram Headwear Mfg. Co. 163,869; Sept. 16.
Hats, Men's straw. Blum & Koch, Inc. 198,395; Sept. 16.
Hats, Women's. A. N. Adelson. 198,552; Sept. 16.
Heels and soles. United Rubber and Leather Company. 187,888; Sept. 16.
Heels, tips, soles, and pads. I. T. S. Rubber Company. 194,668; Sept. 16.
Hosiery. Mandel & Cohen. 197,383; Sept. 16.
Linings, Ladies' hat. S. Cohn Co. 196,647; Sept. 16.
Mittens and gloves. Hynes and Daly. 188,243; Sept. 16.
Rubber heels. Leonard & Barrows. 183,928; Sept. 16.
Shoes. Sobel Bros. 198,330–1; Sept. 16.
Shoes. Temko-Bass Shoe Co. 194,756; Sept. 16.
Shoes and boots, Leather. Stetson Shop. 198,593; Sept. 16.
Shoes, Children's. H. W. Merriam Shoe Company. 197,613; Sept. 16.
Shoes, Children's, boys', and girls'. R. H. Macy & Co. 197,948; Sept. 16.
Shoes, Infants' and children's. Glaser Shoe Company. 197,329; Sept. 16.
Shoes, Ladies'. Stanley Duttenhofer Shoe Company. 197,457; Sept. 16.
Shoes, Leather. Stone Shoe Company. 195,548; Sept. 16.
Sport wear, Women's. Trotteur Hat Co. 198,545; Sept. 16.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 190,724; Sept. 16.
Topcoats, sport suits, leather gloves, etc. Old Bond Street Outfitters, Ltd. 194,878; Sept. 16.
Underwear, Men's athletic. R. H. Macy & Co. 200,333; Sept. 16.
Underwear, Textile-fabric. Goodenow Textiles Company. 194,705; Sept. 16.

CLASS 40.

Trimming feathers. Alfred L. Simon & Company. 199,396; Sept. 16.

CLASS 42.

Cotton piece goods. B. B. & R. Knight, Inc. 193,047; Sept. 16.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 200,033; Sept. 16.
Padding, Cotton. Sands & Ross, Inc. 200,782; Sept. 16.
Piece goods. Consolidated Textile Corporation. 178,092; Sept. 16.
Silk, cotton, and mixtures thereof, Piece goods of. Turner & Walls. 200,535; Sept. 9.
Silk fabrics in the piece. Cheney Brothers. 198,504; Sept. 16.
Woolen, cotton, and woolen and cotton piece goods. Atlantic Mills. 200,600; Sept. 16.
Woolen fabrics. Continental Mills, Inc. 200,135; Sept. 16.
Woolen piece goods. Moyses & Sons, Inc. 200,056; Sept. 16.

CLASS 45.

Ginger ale and sirup for making same. Hydrox Corporation. 199,620; Sept. 16.
Grape juice. Utt Juice Company. 199,408; Sept. 16.

CLASS 46.

Alimentary paste products, coffee, tea, etc. Fortune Products Company. 191,825; Sept. 16.
Beef, canned soups, dried, etc., fruits, Sliced. Tolerton & Warfield Co. 88,374; Sept. 16.
Beef, pork, dried beef, onions, carrots, etc. K. McClellan. 196,396; Sept. 16.
Bran. Battle Creek Food Company. 199,771; Sept. 16.
Bran and flour, Mixture of. Hecker-Jones-Jewell Milling Company. 200,763; Sept. 16.
Butter and cheese. Lovell & Christmas, (U. S. A.) Limited. 199,070–2; Sept. 16.
Cake and macaroons. Drake Brothers Co. 198,403; Sept. 16.
Candy. S. Dreyer. 184,660; Sept. 16.
Canned goods, condiments, etc. Goddard Grocer Company. 181,943; Sept. 16.
Canned goods, fruit preserves, cheese, etc. Reid, Murdoch & Co. 180,943; Sept. 16.
Canned goods, fruits, jams, jellies, sirups, etc. Gordon, Sewall & Co. 192,527; Sept. 16.
Canned salmon. Northwestern Fisheries Company. 195,828; Sept. 16.
Canned vegetables. G. T. Redden & Company. 178,671; Sept. 16.
Cantaloupes, Fresh. V. H. Azhderian. 199,141; Sept. 16.
Caramel paste, nougat cream, marshmallow topping, etc. Kay-White Products, Inc. 176,478; Sept. 16.
Chocolates. Bunte Brothers. 182,398; Sept. 16.
Cocoa and chocolate. Kakao-Kompagnie Theodor Reichardt Gesellschaft mit beschränkter Haftung. 183,978; Sept. 16.
Dates. F. Vinatle. 193,558; Sept. 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dough assistant consisting of an edible product. Rumford Chemical Works. 197,621; Sept. 16.
Eggs, butter, fruit, etc. Klein-Simpson Fruit Company. 194,453; Sept. 16.
Feed, Poultry. Kasco Mills, Inc. 158,874; Sept. 16.
Flavoring for foods, Artificial maple. E. Corwin. 198,936; Sept. 16.
Flour, Prepared. G. Mann. 199,639; Sept. 16.
Flour, Wheat. Niagara Falls Milling Company. 198,534; Sept. 16.
Food product. Marshak Maltmolak Co. 198,463; Sept. 16.
Grapes. T. Mouradick. 183,341; Sept. 16.
Hams, bacons, sausage, pork puddings, etc. A. Loffler Provision Company. 197,886; Sept. 16.
Hams, shoulders, and sausage. G. H. Hammond Company. 196,165; Sept. 16.
Malt extract. Original Monk Malt Co. 198,881; Sept. 16.
Marmalade, candy, fruits, etc. B. S. Powell. 198,760; Sept. 16.
Mash, Chick. Barker, Moore & Mein Medicine Co. 200,706; Sept. 16.
Mayonnaise, Russian dressing, Melba sauce, etc. W. J. Moore. 200,004; Sept. 16.
Meats, butter, eggs, etc., Smoked. F. Lang. 193,603; Sept. 16.
Milk, cream, cheese, etc. Cohen Dairy Co. 197,532; Sept. 16.
Oil, Olive. V. J. Squillante. 196,683; Sept. 16.
Pop corn, Raw. R. M. Tuttle. 199,726; Sept. 16.
Pork and sausage, Fresh and cured. Swift and Company. 199,585; Sept. 16.
Raisins, Dried. California Seedless Raisin Company. 199,606; Sept. 16.
Rice. John Randles, Inc. 200,640–1; Sept. 16.
Sandwich spread. Wildar Company. 193,970; Sept. 16.
Sandwiches. Cordner Products Company. 178,715; Sept. 16.
Seaweed and sea moss, Dry. Asia Company. 197,527; Sept. 16.
Soup stock, Dry powder cooked. D. McMorran. 199,177; Sept. 16.
Spices, food-flavoring extracts, prepared mustard, and peanut butter. Frank Tea & Spice Co. 197,929; Sept. 16.
Spices, ground cayenne, cloves, and allspice, etc. Hanf & Ringler, Inc. 199,164; Sept. 16.
Tomatoes, refugee string beans, peas, etc. Joannes Bros. Co. 200,046; Sept. 16.
Vinegar and peanut butter. Robb-Ross Co. 181,045; Sept. 16.

CLASS 50.

Fabric for brassières, etc., Water and air resisting. Model Brassiere Co. 199,796; Sept. 16.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
A. F. Syndicate, The. (See Mazza, Edoardo N., assignor.)
A & Z Chain Co. (See Potter, James E., assignor.)
Acme Steel Goods Company. (See Norton, R. H., and Fork, assignors.)
Adams, Charles, jr., Weehawken, N. J., assignor of one-half to S. F. Weston, New York, N. Y. Fusible link. 1,508,376; Sept. 16.
Aeolian Company, The. (See Zaiser, William, assignor.)
Aichele, Gottlob, Nellingen, near Esslingen, Germany. Type-bar ball bearing. 1,508,908; Sept. 16.
Aichele, Gottlob, Nellingen, near Esslingen, Germany. Escapement mechanism. 1,508,909; Sept. 16.
Aichele, Gottlob, Nellingen, near Esslingen, Germany. Shift mechanism for typewriting machines. 1,508,910; Sept. 16.
Aichele, Gottlob, Nellingen, near Esslingen, Germany. Column-stop mechanism of typewriting machines. 1,508,911; Sept. 16.
Ainsworth, Henry M., Coventry, England, assignor to Société Anonyme des Anciens Etablissements Hotchkiss et Compagnie, St. Denis, Seine, France. Generator drive. 1,508,945; Sept. 16.
Aktiebolaget Ferrolegeringar. (See Kalling, B. M. S., and Daniell, assignors.)
Alderman, Charles N., Streator, Ill. Box dump. 1,508,946; Sept. 16.
Alexander, Ford L., assignor to The Ford Alexander Corporation, Los Angeles, Calif. Device for torpedoing wells. 1,508,757; Sept. 16.
Alexander, Ford, Corporation, The. (See Alexander, Ford L., assignor.)
Allan, William G., assignor, by mesne assignments, to J. P. Scott, Toronto, Ontario, Canada. Electrolytic apparatus. 1,508,758; Sept. 16.
Alland, Maurice, Atlantic City, N. J. Magazine pencil. 1,508,375; Sept. 16.
Allen, Frank M. (See Weber, F. C., and Allen.)
Allen, Isabell, Kansas City, Mo. Electric switch. 1,508,636; Sept. 16.
Allen, John O., Salt Lake City, Utah. Film developing, fixing, and drying frame. 1,508,947; Sept. 16.
Allison, Fred, Highland Park, assignor to Ford Motor Company, Detroit, Mich. Combined regulator and fuse for generators. 1,508,377; Sept. 16.
Allison, Gustave, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y. Machine for removing the booster charge from a high-explosive shell. 1,508,494; Sept. 16.
Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Lister plow. 1,508,912; Sept. 16.
Aluminum Company of America. (See Jeffries, Z., and Archer, assignors.)
American Cellulose & Chemical Mfg. Co., The. (See Dreyfus, Camille, assignor.)
American Rolling Mill Company, The. (See Nead, John H., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Telephone and Telegraph Company. (See Toomey, J. F., and Phelps, assignors.)
Anderson, Gustave A., New York, N. Y. Combination lock. 1,508,948; Sept. 16.
Anderson, James C., Phoenix, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,508,810; Sept. 16.
Anderson, John S., Jamestown, N. Y. Table case. 1,508,949; Sept. 16.
Angeli, Anacleto, West Frankfort, Ill. Fencepost. 1,508,950; Sept. 16.
Angier, Edward H., Framingham, Mass. Window curtain. 1,508,759; Sept. 16.
Anibal, Benjamin H., assignor to General Motors Corporation, Detroit, Mich. Recoil check for use with automobiles. 1,508,739; Sept. 16.
Ansco Photoproducts, Incorporated. (See Bornmann, Carl A., jr., assignor.)
Archer, Robert S. (See Jeffries, Z., and Archer.)
Ardery, Glen L., Woonsocket, S. Dak. Phonograph stop. 1,508,760; Sept. 16.
Armstrong, Harry Y., Syracuse, N. Y., assignor of one-half to W. L. Hall, Chicago, Ill. Wrapping machine. 1,508,637; Sept. 16.
Arnold, Frederick D., Manteca, Calif. Grazing muzzle. 1,508,913; Sept. 16.
Astrup, Andrew, assignor of one-half to S. E. McKee, Racine, Wis. Cutter. 1,508,869; Sept. 16.
Athabasca Oil Products Limited. (See Clarke, Nicholas S., assignor.)
Auto-Automatic Signal Co. (See Marston, Charles F., assignor.)
Automatic Machinery Company. (See Johnson, William H., assignor.)
Automatic Refrigerating Company, The. (See Lundgaard, Ivar, assignor.)
Ayers, William C., Scottsville, Ky. Washing machine. 1,508,638; Sept. 16.
Ayres, Joseph J., Keokuk, Iowa. Magnifying glass for telephones. 1,508,434; Sept. 16.
Axen, John L., Chicago, Ill. Radiodesk. Des. 65,598; Sept. 16.
Bacharach, Eric W., Kansas City, Mo. Dishwasher. 1,508,495; Sept. 16.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Recovering absolute alcohol. 1,508,435; Sept. 16.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Apparatus for recovering absolute alcohol free from foreign materials. 1,508,436; Sept. 16.
Bacon, George M., assignor to Bacon Multiplier, Incorporated, Salt Lake City, Utah. Multiplying machine. 1,508,762; Sept. 16.
Bacon Multiplier, Incorporated. (See Bacon, George M., assignor.)
Baker, Alexander F., Quincy, Mass. Tympan clamp. 1,508,951; Sept. 16.
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker Gas Saver Company. (See Baker, William A., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Casing Shoe Company, Los Angeles, Calif. Floating plug for well casings. 1,508,586; Sept. 16.
Baker R & L Company, The. (See Remde, Edward H., assignor.)
Baker, William A., assignor to Baker Gas Saver Company, Elgin, Tex. Hot-air pipe for carburetors. 1,508,437; Sept. 16.
Ballatore, Anthony A., assignor to Carsons Limited, Glasgow, Scotland. Mold for use in the manufacture of chocolates. 1,508,496; Sept. 16.
Balmer, Robert, Toronto, Ontario, Canada. Chute guard. 1,508,497; Sept. 16.
Barber, Orren E., assignor to Kirk-Barber Company, Chicago, Ill. Refacing tool. 1,508,587; Sept. 16.
Barber, William, Brooklyn, N. Y. Supporting stand for automobiles and other purposes. 1,508,672; Sept. 16.
Barker, Theodore E. (See Skner, A. H., Barker, and Clark.)
Barnes, Edward E., assignor to Calumet Baking Powder Company, Chicago, Ill. Advertising novelty. 1,508,498; Sept. 16.
Barrier, Raymond, Lubbock, Tex. Trading stamp. Des. 65,599; Sept. 16.
Bassick Company, The. (See Herold, Walter F., assignor.)
Baszin, Aurel, Dayton, Ohio. Amusement device. 1,508,905; Sept. 16.
Batcheller, Hugh W., assignor of one-half to H. F. Farrell, Worcester, Mass. Antifriction bearing for bicycle pedals, etc. 1,508,438; Sept. 16.
Bauer, Hugo. (See Kolle, W., Bauer, and Maschmann.)
Beach, Fitch H. and F. S., Charlotte, Mich. Bucket. 1,508,639; Sept. 16.
Beach, Fred S. (See Beach, Fitch H. and F. S.)
Beatham, John, Rio Vista, Calif. Liquid-fuel burner. 1,508,763; Sept. 16.
Beck-Frils, Ebbe C. (See Thorssell, C. T., and Beck-Frils.)
Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Lubricating system for engines. 1,508,914; Sept. 16.

Benish, Thomas C., St. Louis, Mo. Brake adjuster. 1,508,764; Sept. 16.
Benjamin Electric Manufacturing Company. (See Benjamin, R. B., and Warner, assignors.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Irving S., and J. K. Markwick, Utica, N. Y.; said Markwick assignor to said Benjamin. Fuel saver and smoke consumer. 1,508,539; Sept. 16.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pural lamp socket. 1,508,765; Sept. 16.
Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter device. 1,508,766; Sept. 16.
Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug cluster. 1,508,767; Sept. 16.
Bennett, Charles H., Mount Morris, N. Y. Dispensing device. 1,508,952; Sept. 16.
Bennett, Orin, assignor to Pacific Coast Typewriter Co., San Francisco, Calif. Electrically-operated telegraphic typewriting system. 1,508,870; Sept. 16.
Bernha, Isaac N., New York, N. Y. Amusement device. 1,508,439; Sept. 16.
Berczeller, László, Budapest, Hungary. Treatment of soy beans. 1,509,076; Sept. 16.
Berg, George O. (See Richards, John R., assignor.)
Berger Brothers Company. (See Geiser, George B., assignor.)
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,508,768; Sept. 16.
Berry, George W., assignor of one-half to C. J. Rhodes, Wakefield, England. Flanging and seaming of sheet metal. 1,508,499; Sept. 16.
Bidwell, Earl E., Omaha, Nebr. Ice-cream scoop. 1,508,915; Sept. 16.
Bingen, William J., and H. W. Olsen, Larimore, N. Dak. Carriage-rocking device. 1,508,909; Sept. 16.
Bingham, George W., New York, N. Y. Moving-picture machine. 1,508,673; Sept. 16.
Birch, Sydney, Mansfield, Mass. Cloth or sheet stretching mechanism and process. 1,508,501; Sept. 16.
Bishop & Babcock Company, The. (See Miller, M. P., and Patton, assignors.)
Bissell, Robert W., New York, N. Y., assignor to Vegetable Oil Securities Company, Pittsburgh, Pa. Process of and apparatus for treating oils. 1,508,769; Sept. 16.
Black, Thomas C., Memphis, Tenn. Saw gummer and sharpener. 1,508,588; Sept. 16.
Blair, Thomas, Togo, Minn. Ice-making machine. 1,508,440; Sept. 16.
Blakeman, Francis, jr., et al. (See Ringo, Fred D., assignor.)
Blanchard, P., & Sons. (See Stevens, Osro S., assignor.)
Blanchard, William, Boston, Mass. Window shade. 1,508,640; Sept. 16.
Bloedow, Henry, Shorewood, Wis. Sheet-metal building. 1,508,871; Sept. 16.
Blood, Harold L., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. System of motor control. 1,508,770; Sept. 16.
Boesrup, Alexander, Des Moines, Iowa. Clinker remover. 1,508,641; Sept. 16.
Bond, Thomas, Brantford, Ontario, Canada. Bank cage. 1,508,642; Sept. 16.
Bonelli, George A., Kingman, Ariz. Thermostatic control. 1,508,872; Sept. 16.
Bornmann, Carl A., jr., assignor to Ansco Photoproducts, Incorporated, Binghamton, N. Y. Winding key for cameras. 1,508,589; Sept. 16.
Boston Machine Works Company. (See Osgood, Walter P., assignor.)
Boye Needle Company, The. (See Carlson, Gustaf A., assignor.)
Boykin, Burwell, jr., Beaumont, Tex. Gripping device for rotaries. 1,508,590; Sept. 16.
Boynton, Alexander, San Antonio, Tex. Bailer bottom. 1,508,771; Sept. 16.
Bragg, Thomas M., Mungeribar, New South Wales, Australia. Spotlamp for automobiles. 1,508,772; Sept. 16.
Brand, Anna, Chicago, Ill., assignor, by mesne assignments, to Health-Tex Products Corporation. Catamenial sack or napkin holder. 1,508,740; Sept. 16.
Breguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Controlling aeroplanes. 1,508,591; Sept. 16.
Breguet, Louis, assignor to Société Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Construction of aeroplane wings of variable relative thickness for the purpose of improving their aerodynamic qualities. 1,508,592; Sept. 16.
Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Coupling device for cash registers, calculating machines, or the like. 1,508,953; Sept. 16.
Brewster Patents Corporation. (See Brewster, Percy D., assignor.)
Brewster, Percy D., East Orange, N. J., assignor, by mesne assignments, to Brewster Patents Corporation, New York, N. Y. Color photography. 1,508,916; Sept. 16.
Brisson, Walter W., Norway, Mich. Switch cleaner. 1,508,502; Sept. 16.
Brokaw, Frank E., Schofield Barracks, Hawaii. Self-adjusting clamp for card table covers. 1,508,643; Sept. 16.
Brothers, Ell, and W. E. Scarlett, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the lasting of boots and shoes. 1,508,593; Sept. 16.
Broussouse, Fernand L., Paris, France. Bogie for rolling stock. 1,508,954; Sept. 16.
Brown, Davis, Hucyrus, Ohio. Clay-forming die. 1,508,773; Sept. 16.
Brown, Edward T., assignor to Ford Motor Company, Detroit, Mich. Glass-grinding machinery. 1,508,378; Sept. 16.
Brown, Jacob P., and J. A. Strang, Paterson, N. J. Shuttle tension. 1,508,503; Sept. 16.
Brown, James de S., New York, N. Y. Heel for boots and shoes. 1,508,504; Sept. 16.
Brown, Lester L., Houston, Tex. Turbine. 1,508,441; Sept. 16.
Browne, Joseph A., Melrose, Mont. Double hardy. 1,508,674; Sept. 16.
Brubaker, Gordon M., jr., assignor to W. L. Brubaker & Bros. Company, Millersburg, Pa. Stay-bolt tap. 1,508,594; Sept. 16.
Brubaker, Gordon M., jr., assignor to W. L. Brubaker & Bros. Company, Millersburg, Pa. Making stay-bolt taps. 1,508,595; Sept. 16.
Brubaker, W. L., & Bros. Company. (See Brubaker, Gordon M., jr., assignor.)
Bruene, Rudolph W., Cushing, Iowa. Pig-tooth nippers. 1,508,741; Sept. 16.
Bryan, Charles R., New York, N. Y. Direction signal for motor vehicles. 1,508,955; Sept. 16.
Buffalo Co-operative Stove Co. (See Kener, Edward, jr., assignor.)
Bull, George F., assignor one-half to Charles H. Pugh Limited, Birmingham, England. Grass-edge trimmer or cutter. 1,508,505; Sept. 16.
Bullock, Raymond G., Baltimore, Md. Single-unit knockdown section. 1,508,917; Sept. 16.
Burnett, Joseph A., Toronto, Ontario, Canada. Incinerator furnace. 1,508,918; Sept. 16.
Burton, Carl O., Duluth, Minn. Double-pole double throw switch. 1,508,442; Sept. 16.
Butterfield, Louis M., assignor of one-half to H. G. Sumner, Raymond, N. H. Walking doll. 1,508,956; Sept. 16.
Cain, Ernest R., and A. F. Stone, Kingstree, S. C. Burglarproof lock bar. 1,508,919; Sept. 16.
Caldwell, Charles W., Johannesburg, Transvaal, South Africa. Micrometer weighing instrument. 1,508,596; Sept. 16.
Caldwell, Henry C., Buffalo, N. Y. Regulating burner cap. 1,508,873; Sept. 16.
Calumet Baking Powder Company. (See Barnes, Edward E., assignor.)
Camp, Vaughn. (See Davis, Lewis K., assignor.)
Campana, George G., New York, N. Y., assignor to E. O. Frederics. Permanent-hair-waving device. 1,508,675; Sept. 16.
Campbell, Sterling H., St. Louis, Mo. Coupler-release rigging. 1,508,379; Sept. 16.
Campbell, Sterling H., St. Louis, Mo. Coupler-release rigging. 1,508,380; Sept. 16.
Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Coupler-release rigging. 1,508,381; Sept. 16.
Cantrell, Joseph T., assignor to J. T. Cantrell & Company, Huntington, N. Y. Latch. 1,508,540; Sept. 16.
Cantrell, J. T., & Company. (See Cantrell, Joseph T., assignor.)
Caproni, Gianni, Milan, Italy. Flying machine. 1,508,774; Sept. 16.
Caproni, Gianni, Milan, Italy. Flying machine. 1,508,775; Sept. 16.
Carichoff, Eugene R., assignor to General Electric Company, Schenectady, N. Y. Electric-arc welding. 1,508,742; Sept. 16.
Carlson, Gustaf A., assignor to The Boye Needle Company, Chicago, Ill. Curtain rod. 1,508,920; Sept. 16.
Carnahan, Ralph W., Canton, assignor of one-fourth to O. G. Sigler, Cleveland, Ohio. Signal box. 1,508,743; Sept. 16.
Carr, John O., and H. L. Krum, assignors to Morkrum Company, Chicago, Ill. Supporting base for relays or other electrical units. 1,508,744; Sept. 16.
Carson, Thomas J. (See Mansfield, Horace, assignor.)
Carsons Limited. (See Ballatore, Anthony A., assignor.)
Cassel, Gunnar E., Stockholm, assignor to A. Leffler, Djursholm, Sweden. Speed-indicating apparatus. 1,508,644; Sept. 16.
Cassel, James, Peru, Ind. Burial casket. 1,508,745; Sept. 16.
Casting Research, Inc. (See Wiechert, G. A., and Judd, assignors.)
Castleman, Frank M., Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Loading and unloading gear for hoisting plants. 1,508,921; Sept. 16.

Caudle, Melvin A., Vanwood, W. Va. Dumping car. 1,508,645; Sept. 16.
Cawley, Cecil E., Parsons, Kans. Air control for carburetors. 1,508,922; Sept. 16.
Celluloid Company, The. (See Lindsay, William G., assignor.)
Celluloid Company, The. (See Stevens, John H., assignor.)
Century Rubber Works. (See Venn, Charles J., assignor.)
Charleston, Mace E., Vancouver, British Columbia, Canada. Stamp-operating device. 1,508,676; Sept. 16.
Chase, Lyle G., assignor to Yarnall-Waring Company, Philadelphia, Pa. Diagonal-flow meter. 1,508,677; Sept. 16.
Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Knife protector. 1,508,382; Sept. 16.
Chatillon, John, & Sons. (See Chatillon, George E., assignor.)
Christensen, Hans, Golden, Colo. Hammer and handle assembly. 1,508,874; Sept. 16.
Christensen, Marie. (See Elirich, Max, assignor.)
Christian, Walton G., Houston, Tex. Drill bit. 1,508,443; Sept. 16.
Clark, Avery B., et al. (See Pierce, Clarence A., assignor.)
Clark, Omar E. (See Skaer, A. H., Barker, and Clark.)
Clarke, Nicholas S., New York, N. Y., assignor to Athabasca Oil Products Limited, Edmonton, Alberta, Canada. Apparatus for separating oil from oil sands. 1,508,923; Sept. 16.
Clarkson, William B., Schenectady, N. Y., assignor to General Electric Company. Automatic arc-welding control system. 1,508,746; Sept. 16.
Clements, George, assignor to Clements Mfg. Co., Chicago, Ill. Vacuum cleaner. 1,508,597; Sept. 16.
Clements Mfg. Co. (See Clements, George, assignor.)
Cohen, Samuel, St. Paul, Minn. Sleeve lining. 1,508,834; Sept. 16.
Coleman Lamp Co. (See Ranck, Edward D., assignor.)
Columbia Phonograph Company. (See Whitman, Ray B., assignor.)
Columbia Salvage Corporation. (See Allison, Gustave, assignor.)
Colvin, Arthur R., assignor to The Combination Rubber Mfg. Co., Bloomfield, N. J. Rubber tire. Des. 65,600; Sept. 16.
Collier, William H., and A. J. Vance, Painesville, Ohio. Drier for sheet material. 1,508,924; Sept. 16.
Collins, Bascome E., Painesville, Mo. Receptacle-holding device. 1,508,957; Sept. 16.
Comas Cigarette Machine Company. (See Kerlin, Eugene G., assignor.)
Combination Rubber Mfg. Co., The. (See Colvin, Arthur R., assignor.)
Comfort Collar Clip Company. (See Lavick, Samuel B., assignor.)
Conchar, Belden L., Maplewood, N. J. Mopstick head. 1,508,925; Sept. 16.
Condit Electrical Manufacturing Company. (See Greenwood, Talma T., assignor.)
Conklin Pen Manufacturing Company, The. (See Johnson, Clifford N., assignor.)
Conmare, William. (See Kell, M., and Conmare.)
Contant, Lloyd E. (See Contant, William A. and L. E.)
Contant, William A. and L. E., assignors of one-half to F. B. Pease Company, Rochester, N. Y. Grading and sorting machine. 1,508,835; Sept. 16.
Cook, Orman S. (See Gale, H. A., and Cook.)
Coon, Roy, Windsor, Colo. Road drag. 1,509,081; Sept. 16.
Cook, Thomas R., Pittsburgh, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery plate. 1,508,776; Sept. 16.
Cook, Thomas R., Pittsburgh, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery-cell cover. 1,508,926; Sept. 16.
Cooper, Morris, Baltimore, Md. Low-quarter shoe. 1,508,646; Sept. 16.
Cooper, Morris W. (See Drummond, William E., assignor.)
Corn Products Refining Company. (See Newkirk, William B., assignor.)
Cornelius, John W., Kingman, Ariz. Variable condenser. 1,508,647; Sept. 16.
Coseo, Fred C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Journal box. 1,508,506; Sept. 16.
Cowles, Alfred H., assignor to The Electric Smelting & Aluminium Company, Sewaren, N. J., Producing and utilizing alkalies and alumina. 1,508,777; Sept. 16.
Cowles, C., & Company. (See Gates, Louis W., assignor.)
Cox, George E., Wilmington, Del. Amalgam mixer. 1,508,958; Sept. 16.
Craig, Harry L., College Point, N. Y. Train-stopping means. 1,508,444; Sept. 16.
Crex Carpet Company. (See Waldo, Algermont H., assignor.)
Cridge, Edmund L., Passaic, N. J. Valve remover. 1,508,678; Sept. 16.
Cross, Henry J. S., Toronto, Ontario, Canada. Combined floor waxer and polisher. 1,508,541; Sept. 16.
Crown, August W., Thief River Falls, Minn. Garment retainer. 1,508,648; Sept. 16.
Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Saturator. 1,508,959; Sept. 16.
Curtis, George W., Jacksonville, Fla. Rail bender. 1,508,927; Sept. 16.
Czarev, John J., H. H. Whitley, and M. Kreuser, West Allis, Wis. Attrition-mill separator. 1,509,089; Sept. 16.
Dahlin, Fritz, West Moshannon, Pa. Can opener. 1,508,960; Sept. 16.
Dalrymple, Philip W., Baltimore, Md. Soot blower. 1,508,679; Sept. 16.
Daniell, Sven D. (See Kalling, B. M. S., and Daniell.)
Daniels, Anthony, Newark, N. J. Rack. 1,508,680; Sept. 16.
Daudelin, Jean B., Fall River, Mass. Shuttle. 1,508,507; Sept. 16.
Dautrick Johnson Manufacturing Company. (See Dautrick, O. L., Johnson, and Kraska, assignors.)
Dautrick, Owen L., C. G. Johnson, and A. Kraska, assignors to Dautrick Johnson Manufacturing Company, Detroit, Mich. Overhead door. 1,508,886; Sept. 16.
Davidson, Charles J. (See Lotz, A., Davidson, and Kenney.)
Davis, Arthur P., Brooklyn, N. Y. Compass. 1,508,875; Sept. 16.
Davis, George E., Des Moines, Iowa. Vanity case. 1,508,649; Sept. 16.
Davis, Lewis K., New York, N. Y., assignor to V. Camp, Norfolk, Va. Cut-off mechanism. 1,508,445; Sept. 16.
Dawson, James W., assignor to National Sewing Machine Company, Belvidere, Ill. Washing-machine mechanism. 1,508,508; Sept. 16.
Degener, Gustave O., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,508,836; Sept. 16.
Delco-Light Company. (See Kettering, Charles F., assignor.)
Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Collapsible core. 1,509,058; Sept. 16.
De Normanville, Samuel A., London, England. Visual weather screen. 1,508,761; Sept. 16.
Densley, John, Minneapolis, Minn. Automobile heater. 1,508,383; Sept. 16.
Denver Rock Drill Manufacturing Company, The. (See Skaer, A. H., Barker, and Clark, assignors.)
De Vleeschouwer, Camille. (See Tacoma, J., and de Vleeschouwer.)
Dicklnson, Tom, Accrington, England. Clearer for the brushes of carpet sweepers. 1,508,542; Sept. 16.
Diehl, Frank, Wabash, Ind. Sprocket wheel and chain. 1,508,446; Sept. 16.
Diener, Charles H., Pottstown, Pa. Motor-testing valve. 1,508,543; Sept. 16.
Dietrick, Charles, Pittsburgh, Pa. Baseball game. 1,508,961; Sept. 16.
Dippel, Henry, San Francisco, Calif. Cube-sugar-packing device. 1,508,837; Sept. 16.
Dixon, Howard E. (See Powell, G. W., Smith, and Dixon.)
Dodge, Frank W., New Haven, Conn. Valve. 1,509,059; Sept. 16.
Dodge, Frank W., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Rubber glove. 1,509,060; Sept. 16.
Doehler Die Casting Company. (See Kralund, J., Duckworth, and Stern, assignors.)
Doering, Charles. (See Hoffman, P. M., and Doering.)
Doering, Henry H., Chicago, Ill. Ice-cream-cutting machine. 1,508,778; Sept. 16.
Doering, Henry H. (See Hoffman, P. M., and Doering.)
Doering Manufacturing Company. (See Hoffman, P. M., and Doering, assignors.)
Dolgonas, John C., Chicago, Ill. Game apparatus. 1,508,838; Sept. 16.
Donham, Percy H., Sullivan, Ind. Refrigerator. 1,508,962; Sept. 16.
Dooley, Clarence H., Rock Island, Ill. Friction clutch. 1,508,747; Sept. 16.
Dorf, Herman, Newark, N. J. Belt buckle. 1,508,963; Sept. 16.
Dougherty, Frank J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 65,601; Sept. 16.
Douglass, Leon F., Menlo Park, Calif. Masking photographic film while exposure is being made. 1,508,509; Sept. 16.
Douglass, Leon F., San Rafael, Calif., assignor to Victor Talking Machine Company. Sound-reproducing machine. 1,508,681; Sept. 16.
Doutney, George, Brooklyn, N. Y. Feed bag. 1,508,964; Sept. 16.
Dowdall, Roy L., Oberlin, assignor of one-half to C. C. Palmer, Concordia, Kans. Device for removing dust from grain elevators. 1,508,682; Sept. 16.
Drake, Alden M., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,508,965; Sept. 16.
Drake, Sylvester A., Jamestown, N. Y. Hasp. 1,508,384; Sept. 16.
Dressler, Carlotta M. (See Dressler, Charles E., assignor.)

Dressler, Charles E., assignor to C. M. Dressler, New York, N. Y. Combined illuminating and time-indicating means. 1,508,876; Sept. 16.
Dreyer, Otto, Essen-Ruhr, Germany. Safety fuse. 1,508,839; Sept. 16.
Dreyfus, Camille, Basel, Switzerland, assignor to The American Cellulose & Chemical Mfg. Co., Ltd., New York, N. Y. Fabric and article. 1,508,840; Sept. 16.
Dreyfus, Henry, London, England. Plastic containing cellulose acetate. 1,508,928; Sept. 16.
Drum, Samuel R. (See Nichols, F. Y., and Drum.)
Drum, William H. (See Nichols, F. Y., and Drum, assignors.)
Drummond, William E., assignor of one-half to M. W. Cooper, Chiefland, Fla. Socket ratchet wrench. 1,509,067; Sept. 16.
Dryer, William, Topeka, Kans. Adjustable brush and weed cutter. 1,508,966; Sept. 16.
Ducker, Carl, Cooper Township, Webster County, Iowa. Wheel scraper for land vehicles. 1,508,650; Sept. 16.
Duckworth, Clarence H. (See Kralund, J., Duckworth, and Stern.)
Dumont, Joseph R., Kansas City, Mo. Directory rack. 1,508,779; Sept. 16.
Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
Duvall, Irvin C. (See Miller, L. W., and Duvall.)
Earnshaw, George F. (See Earnshaw, Henry P. J., assignor.)
Earnshaw, Henry P. J., Northboro, Mass., assignor to G. F. Earnshaw, Glencoe, Ill. Automobile lighting system. 1,508,385; Sept. 16.
Edgarton, William L., Chicago, Ill. Hand stamp. 1,508,508; Sept. 16.
Edgington, Harvey E., assignor of one-half to A. C. Tanner, Kankakee, Ill. Stone-surfacing apparatus. 1,508,780; Sept. 16.
Edmunds & Jones Corporation. (See Kerwin, Thomas J., assignor.)
Edwards, Charles S., Prineville, Oreg. Pliers. 1,508,510; Sept. 16.
Effofie, Preda A., Chicago, Ill. Tire armor. 1,508,877; Sept. 16.
Ehrlich, Herman, Chicago, Ill. Yieldable pitman for jumper presses. 1,508,781; Sept. 16.
Electric Smelting & Aluminium Company, The. (See Cowles, Alfred H., assignor.)
Elliott Company. (See McDermet, John R., assignor.)
Ellrich, Max, Jersey City, N. J., assignor, by mesne assignments, to M. Christensen, Brooklyn, N. Y. Cork-packing machine. 1,508,782; Sept. 16.
Emerson, George L., assignor to V. V. Kunkel, Los Angeles, Calif. Honey extractor. 1,509,036; Sept. 16.
Entwisle and Kenyon, Limited. (See Taylor, James, assignor.)
Erickson, Arthur F., Portland, Oreg. Heat regulator. 1,508,511; Sept. 16.
Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving mechanism for power-operated machines. 1,508,386; Sept. 16.
Evalenko, William A., New York, N. Y. Attachable and removable cap for merchandise containers. 1,508,878; Sept. 16.
Evans, George, Redondo, Calif. Device to aid swimming. 1,508,651; Sept. 16.
Evans, Lew B., Marietta, Ohio. Road grader. 1,508,683; Sept. 16.
Falck, Fritz W., Los Angeles, Calif. Automatic synchronous rectifying mechanism. 1,508,544; Sept. 16.
Falkenwalde, Oscar, Baltimore, Md. Downdraft oil burner. 1,508,684; Sept. 16.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Kropp, W., and Taub, assignors.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Raeder, H. F., and Mieg, assignors.)
Farbwerke vorm. Meister Lucius & Brüning. (See Kolle, W., Bauer, and Maschmann, assignors.)
Farley, Fred E., assignor to Goodell-Pratt Company, Greenfield, Mass. Ratchet mechanism. 1,508,512; Sept. 16.
Farrell, H. F. (See Batcheller, Hugh W., assignor.)
Farrington, Charles E., Phoenixville, Pa. Agitator and lock therefor. 1,508,841; Sept. 16.
Faspray Corporation. (See Wholey, John F., assignor.)
Ferguson-McKinney Manufacturing Company. (See Fields, William B., assignor.)
Fernandez, Rogelio G., New York, N. Y. Tool. 1,508,667; Sept. 16.
Fiberloid Corporation, The. (See Johnson, William P., assignor.)
Field, William A., Chicago, Ill. Plate-shaving machine. 1,508,513; Sept. 16.
Fields, William B., assignor to Ferguson-McKinney Manufacturing Company, St. Louis, Mo. Shirt sleeve. 1,508,783; Sept. 16.
Findlater, John J., Highland Park, assignor to Ford Motor Company, Detroit, Mich. Forming ring gears. 1,508,387; Sept. 16.
Findley, Emory, Peoria, Ill. Chair. 1,508,388; Sept. 16.
Firestone Tire and Rubber Company, The. (See Hargraves, Albert, assignor.)
Fisk Rubber Company, The. (See Dougherty, Frank J., assignor.)
Fitzgerald Manufacturing Company, The. (See Weiss, Theobald C., assignor.)
Fitzgerald, William P., Princess Anne, Md. Automatic clutch release. 1,508,842; Sept. 16.
Fitz Simons, Samuel G., Charleston, S. C. Automobile fender. 1,508,652; Sept. 16.
Flatter, Carl E., Anderson, Ind. Transmission-band bracket. 1,508,599; Sept. 16.
Flick, John B., Detroit, Mich. Universal joint. 1,508,653; Sept. 16.
Flinchbaugh, Frederick T., York, assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa. Cylinder-reboring machine. Re15,916; Sept. 16.
Flohr, Andrew, Colorado Springs, Colo. Safety device for jointers. 1,508,685; Sept. 16.
Folgman, Emanuel, Brooklyn, N. Y. Torch. 1,509,077; Sept. 16.
Forbes, Charles S., Strathdon, Scotland. Photographic-film package. 1,508,447; Sept. 16.
Ford Motor Company. (See Allison, Fred, assignor.)
Ford Motor Company. (See Brown, Edward T., assignor.)
Ford Motor Company. (See Findlater, John J., assignor.)
Ford Motor Company. (See Galamb, Joseph, assignor.)
Fork, William C. (See Norton, R. H., and Fork.)
Foster, Harry C., Dayton, Ohio. Method and apparatus for installing inserts in plastic bodies. 1,508,545; Sept. 16.
Fowler, Daniel E., et al. (See Jones, Harry E., assignor.)
Franklin, Granvel, Flint, Mich. Soap rack. 1,509,037; Sept. 16.
Frederics, Ernest O. (See Campana, George G., assignor.)
Freyn, Brassert & Company. (See Ledeboer, Jeremias H., assignor.)
Fried. Krupp Aktiengesellschaft. (See Breitling, Ernst, assignor.)
Fried. Krupp Aktiengesellschaft. (See Pfretzschner, Jakob, assignor.)
Frost, George B. (See Timmons, Lindsay H., assignor.)
Fuller, Dyson, Southend, England. Trousers and like press. 1,508,843; Sept. 16.
Funchcon, Daniel C., Denver, Colo. Vehicle-operated gate. 1,508,546; Sept. 16.
Funchess, Fred H., assignor to Super Seal Piston Ring Company, Hanford, Calif. Piston ring. 1,508,929; Sept. 16.
Furton, Lawrence C., Detroit, Mich. Cigar-holding device. 1,508,514; Sept. 16.
Galamb, Joseph, Detroit, assignor to Ford Motor Company, Highland Park, Mich. Vibrator assembly for electrical circuits. 1,508,389; Sept. 16.
Gale, Henry A., and O. S. Cook, Fitchburg, Mass.; said Cook assignor to said Gale. Machine for making box shooks. 1,508,748; Sept. 16.
Gallagher, Arthur D., assignor to Oliver Chilled Plow Works, South Bend, Ind. Agricultural implement. 1,508,930; Sept. 16.
Gates, Louis W., assignor to C. Cowles & Company, New Haven, Conn. Door handle. 1,508,784; Sept. 16.
Gathmann, Emil, Baltimore, Md. Forming ingots. 1,508,931; Sept. 16.
Gayetty, Edward P., Dyerville, Calif. Adjustable crutch. 1,508,686; Sept. 16.
Geiser, George B., assignor to Berger Brothers Company, Philadelphia, Pa. Snow guard. 1,508,844; Sept. 16.
General Electric Company. (See Carichoff, Eugene R., assignor.)
General Electric Company. (See Clarkson, William B., assignor.)
General Electric Company. (See Glasser, Charles E., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Krilmer, Christian, assignor.)
General Electric Company. (See Moss, Sanford A., assignor.)
General Electric Company. (See Noble, Paul O., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Whiting, Max A., assignor.)
General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Hill, Leon E., assignor.)
General Motors Corporation. (See Seaholm, E. W., and Parker, assignors.)
General Motors Corporation. (See Seaholm, Ernest W., assignor.)
General Motors Corporation. (See Taub, Alex, assignor.)
General Motors Corporation. (See White, John W., assignor.)
General Motors Corporation. (See Zimmerschied, K. W., and Hunt, assignors.)
General Tire and Rubber Company, The. (See Denmire, Harold A., assignor.)
Gentle, Thomas J., and R. V. Tryon, Los Angeles, Calif. Attachment for vehicle wheels. 1,508,547; Sept. 16.

Gervais, Wainwright B., assignor to Variety Fire Door Company, Chicago, Ill., Elevator door and the like 1,508,515; Sept. 16.
Giannandrea, Frank P., Rosebank, N. Y. Vegetable hair tonic. 1,508,785; Sept. 16.
Giles, Walter D., Leesville, La. Coupling for sucker rods. 1,508,845; Sept. 16.
Giles, Walter D., Leesville, La. Attachment for walking beams. 1,508,846; Sept. 16.
Gillette, Helen C., Elmhurst, N. Y., assignor to The Prest-O-Lite Co. Inc. Cover seal for storage batteries. 1,508,847; Sept. 16.
Gilley, Scotch E., Warren, Ark. Pliers. 1,508,687; Sept. 16.
Gire, Earl C., Whittier, Calif. Direction-signal-lamp casing. Des. 65,602; Sept. 16.
Gladstone, William D., New York, and E. Kun, Springfield Gardens, N. Y. Double-action bass-drum pedal. 1,508,390; Sept. 16.
Glaeser, Walter, Brooklyn, N. Y. Making green scales. 1,508,448; Sept. 16.
Glasser, Charles E., Schenectady, N. Y., assignor to General Electric Company. Control system for automatic arc-welding apparatus. 1,508,688; Sept. 16.
Glasser, Charles E., Schenectady, N. Y., assignor to General Electric Company. Metallic arc welding. 1,508,689; Sept. 16.
Glasser, Charles E., Schenectady, N. Y., assignor to General Electric Company. Welding machine. 1,508,690; Sept. 16.
Glasser, Charles E., Schenectady, N. Y., assignor to General Electric Company. Electric-arc welding. 1,508,691; Sept. 16.
Godfrey, Alexander, deceased; A. E. Godfrey and A. C. Murphy, Haverhill, Mass., executors. Last. 1,509,038; Sept. 16.
Godfrey, Alexander, deceased; A. E. Godfrey and A. C. Murphy, Haverhill, Mass., executors. Last. 1,509,039; Sept. 16.
Godfrey, Annie E., et al., executors. (See Godfrey, Alexander.)
Goewey, Charles T., South Bend, Ind. Card holder. 1,508,692; Sept. 16.
Goodell-Pratt Company. (See Farley, Fred E., assignor.)
Gorsuch, George J., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam-finishing machine. 1,508,449; Sept. 16.
Goss, John H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fuse for projectiles. 1,508,450; Sept. 16.
Goss Printing Press Company. (See Henzi, Albert A., assignor.)
Gottheimer, Walter, St. Louis, Mo. Receptacle or container. 1,508,548; Sept. 16.
Granlund, Ernest V. (See Sandborg, W., and Granlund.)
Graves, Victor E. (See Zbinden, Herman O., assignor.)
Gray, Alton L., assignor to Todd Protectograph Company, Inc., Rochester, N. Y. Work support for printing apparatus. 1,508,932; Sept. 16.
Gray, George W., New York, N. Y., and F. W. Hall, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Manufacture of aluminum chloride. 1,508,451; Sept. 16.
Green, Alexander S., Oxford, N. C. Safety screen for tobacco-curing flues. 1,508,968; Sept. 16.
Greenwood, Talma T., Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Retardation device. 1,508,391; Sept. 16.
Grimes, Howard, Ticonderoga, N. Y. Apparatus for removing snow from roads and streets. 1,508,786; Sept. 16.
Grove, Clydus, Sistersville, W. Va. Stop signal for automobiles. 1,508,693; Sept. 16.
Guichard, Louis, assignor to E. Seignol, Paris, France. Method and apparatus for indicating the level of liquid in a tank. 1,508,969; Sept. 16.
Guillemard, Henri, Lyon, France. Respiratory device. 1,508,970; Sept. 16.
Guinn, Samuel E., Johnson City, Tenn. Cigar lighter. 1,508,600; Sept. 16.
Gunn, Charles H., Oakland, Calif. Flush valve 1,508,694; Sept. 16.
Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
Haden, G. N., & Sons Limited. (See Horton, Francis H., assignor.)
Hales, Sidney E., London, England. Pneumatic apparatus. 1,508,654; Sept. 16.
Halvorsen, Halbert B., Chicago, Ill., assignor to Sullivan Machinery Company. Pressure fluid-lift pump. 1,508,788; Sept. 16.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting fixture. Des. 65,603; Sept. 16.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting unit. Des. 65,604; Sept. 16.
Hall, Frank W. (See Gray, G. W., and Hall.)
Hall, William L. (See Armstrong, Harry Y., assignor.)
Holiden, Karl W., Waterbury, Conn. Chassis connecter for air springs. 1,508,787; Sept. 16.
Hanlan, Frederick. (See Sherman, H. B., and Hanlan.)
Hansen & Lombardi. (See Lombardi, John T. C., assignor.)
Hanson, Harry C., St. Paul, Minn. Internal-combustion engine. 1,508,848; Sept. 16.
Hardwicke, Laurie O., Atlanta, assignor of one-third to P. C. Miller and one-third to A. T. Miller, Richmond County, Ga. Automatic gripping and releasing chuck. 1,509,061; Sept. 16.
Hargraves, Albert, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire tread. Des. 65,605; Sept. 16.
Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Electrically-heated receptacle and hot plate. 1,508,452; Sept. 16.
Harris, Charles H., Cranston, R. I., assignor of one-fourth to D. E. Wood, College Point, and one-fourth to A. E. Wood, Brooklyn, N. Y. Artificial shingle. 1,508,789; Sept. 16.
Hart, Harry S., assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 1,508,549; Sept. 16.
Hart, Harry S. (See Hindahl, David, assignor.)
Harvey, Arthur R., Middletown, Ohio. Instrument for the automatic determination of moisture in paper or textiles. 1,508,516; Sept. 16.
Hatch, Nathan, Albany, N. Y. Combination garment. 1,508,933; Sept. 16.
Hauser, Martin, Toledo, Ohio. Screen hanger. 1,508,655; Sept. 16.
Heald Machine Company, The. (See Drake, Alden M., assignor.)
Healey, Francis J., London, England. Variable velocity-ratio gearing. 1,508,879; Sept. 16.
Health-Tex Products Corporation. (See Brand, Anna, assignor.)
Heath, William N., Waco, Tex. Bunch builder for bobbins. 1,508,934; Sept. 16.
Hebb, John A., Hopwood, and W. J. McDade, Uniontown, Pa. Mine car. 1,508,971; Sept. 16.
Heim Grinder Company, The. (See Reeves, Milton O., assignor.)
Hein, George N. (See Platt, F. L., Hein, and Impey.)
Heller Brothers Company. (See Isham, Harry S., assignor.)
Henderson, Clara M., Yarmouth, Iowa. Automobile chain fastener. 1,508,517; Sept. 16.
Henzi, Albert A., Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-plate-casting machine. 1,509,078; Sept. 16.
Hermundson, Albert, Nelson, Wis. Fruit-picking device. 1,508,972; Sept. 16.
Herold, Walter F., Newark, N. J., assignor to The Hassick Company, Bridgeport, Conn. Caster. 1,508,880; Sept. 16.
Herron, James C., assignor to Reflector & Illuminating Co., Chicago, Ill. Adjustable support for electric appliances. 1,509,068; Sept. 16.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Internal-combustion engine. 1,508,656; Sept. 16.
Hetherington, John, and Sons Limited. (See Horridge, James, assignor.)
Heun, William M., Hastings, Nebr. Ladder bracket. 1,508,392; Sept. 16.
Hill, Elert A., assignor to Stop-Burglar Lock Company, Los Angeles, Calif. Push button for operating rotary tumbler locks. 1,508,518; Sept. 16.
Hill, George C., assignor to Reece Shoe Machinery Company, Boston, Mass. Press for cutting or punching sheet material. 1,508,790; Sept. 16.
Hill, Joseph A., deceased, Darley Dale, England, by Mrs. S. A. Hill, executrix. Method of and apparatus for firing the furnaces of steam generators and other furnaces. 1,508,393; Sept. 16.
Hill, Leon E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Spreading device for binders. 1,508,695; Sept. 16.
Hill, Mrs. Sarah A., executrix. (See Hill, Joseph A.)
Hills, William F. (See Moore, Miles F., assignor.)
Hindahl, David, assignor to H. S. Hart, Chicago, Ill. Dump car. 1,508,550; Sept. 16.
Hindahl, David, Chicago, Ill. Dump-car construction. 1,508,551; Sept. 16.
Hodgson, Harriette E., New York, N. Y. Life raft. 1,508,881; Sept. 16.
Hoffman, Peter M., Desplaines, C. Doering and H. H. Doering, assignors to Doering Manufacturing Company, Chicago, Ill. Search or head light deflector. 1,508,791; Sept. 16.
Hood, John L., Pawtucket, R. I. Pilferproof box. 1,508,657; Sept. 16.
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hooper, Thomas D., jr., Merchantville, N. J. Amusement apparatus. 1,508,453; Sept. 16.
Hoover, R. H., Laboratories, Inc. (See Hoover, Roy H., assignor.)
Hoover, Roy H., assignor to R. H. Hoover Laboratories, Inc., Freeport, Ill. Fertilizing composition. 1,509,062; Sept. 16.
Horne, George A., Plainfield, N. J. Head meter. 1,508,519; Sept. 16.
Hornung, John C., Glencoe, Ill. Heating system. 1,508,792; Sept. 16.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Machine for combing cotton, wool, or the like. 1,508,552; Sept. 16.
Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Machine for combing cotton, wool, and the like. 1,508,553; Sept. 16.
Horton, Francis H., London, assignor of one-half to G. N. Haden & Sons Limited, Trowbridge, Wilts, England. Apparatus for preventing waste of water in baths and the like. 1,509,040; Sept. 16.
Horton, James A. (See Sleeper, F. H., and Horton.)
Hosmer, Chester C., Huntington Beach, and C. H. Wines, Whittier, Calif. Rotary-drill pipe slip. 1,508,882; Sept. 16.
Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,508,554; Sept. 16.
Hoyt, Charles H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,508,394; Sept. 16.
Hudson, Paul B., Watertown, N. Y. Process and apparatus for making wall board and the like. 1,508,973; Sept. 16.
Huff, George, Glendale, Calif. Leash harness for dogs. 1,508,601; Sept. 16.
Hults, Eugene A., Saltville, Va., assignor to Mathieson Alkali Works. Calcining furnace. 1,508,555; Sept. 16.
Hume, John A. (See Johnson, Allan R. P. and C. H., assignors.)
Hunt, Ormond E. (See Zimmerschied, K. W., and Hunt.)
Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Posting tray. 1,508,793; Sept. 16.
Hunter, Louis T., Chappaqua, N. Y. Adjustable thrust bearing. 1,508,883; Sept. 16.
Huntley, Alton K. (See Rider, C. S., and Huntley.)
Hyams, Harry T., De Kalb, Tex. Dental appliance. 1,509,041; Sept. 16.
Hydraulic Pressed Steel Company, The. (See Smith, Frank H., assignor.)
Impey, Robert R. (See Platt, F. L., Hein, and Impey.)
Ingham, Walter E., Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lathe-tool mechanism. 1,508,794; Sept. 16.
Isbell, John A. (See Wood, H. A. W., and Isbell.)
Isham, Harry S., Belmar, assignor to Heller Brothers Company, Newark, N. J. Implement handle and insert thimble. 1,508,395; Sept. 16.
Jackson, Calvin, Jacksonwalt, Pa., assignor, by mesne assignments, to Reading Automatic Machine Company. Automatic multiple-spindle-machine tool. 1,508,974; Sept. 16.
Jacobs, George, Detroit, Mich. Signaling device. 1,508,884; Sept. 16.
Jacobs, Joseph H., Denver, Colo. Safety valve. 1,508,696; Sept. 16.
Jagger, Peter B., London, England. Rope-untwisting apparatus. 1,508,975; Sept. 16.
Jaques, Arthur. (See West, J. H., and Jaques.)
Jeavons Manufacturing Co., The. (See Sealand, Frank N., assignor.)
Jeffrey Manufacturing Company, The. (See Coseo, Fred C., assignor.)
Jeffries, Zay, Cleveland Heights, and R. S. Archer, East Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Making castings of aluminum alloys. 1,508,556; Sept. 16.
Jenkins, William M., Chicago, Ill. Wall board. 1,508,658; Sept. 16.
Jennings, Winfield S., Antigo, Wis. Reduction transmission. 1,508,885; Sept. 16.
Jerdone, Francis, jr., assignor to The Willys-Overland Company, Toledo, Ohio. Wheel-securing bracket. 1,508,976; Sept. 16.
Johnson, Allan R. P. and C. H., assignors of one-third cord Company. Supporting rack for collars. 1,509,069; Sept. 16.
Johnson, Allan R. P. and C. H., assignors of one-third to J. A. Hume, Toronto, Canada. Advertising device. 1,508,977; Sept. 16.
Johnson, Clarence G. (See Dautrick, O. L., Johnson, and Kraska.)
Johnson, Clifford N., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Pencil. 1,508,795; Sept. 16.
Johnson, Cyril H. (See Johnson, Allan R. P. and C. H.)
Johnson, William H., assignor to Automatic Machinery Company, Terre Haute, Ind. Leer feeder. 1,509,063; Sept. 16.
Johnson, William H., assignor to Automatic Machinery Company, Terre Haute, Ind. Leer feeder. 1,509,064; Sept. 16.
Johnson, William P., Lincoln Park, N. J., assignor to The Fiberloid Corporation, Springfield, Mass. Box-cover paper. Des. 65,606; Sept. 16.
Johnston, Albert F., assignor to Pittsburgh Plate Glass Company, Ford City, Pa. Runner for grinding curved-glass surfaces. 1,508,396; Sept. 16.
Jones, Alma R., Cincinnati, Ohio. Clothes wringer. 1,508,602; Sept. 16.
Jones, Harry E., assignor of one-third to D. E. Fowler, and one-third to F. R. McKay, El Paso, Tex. Attachment for tires. 1,508,978; Sept. 16.
Jordan, Winfield L., Chicago, Ill. Hair clippers. 1,508,397; Sept. 16.
Judd, Jesse E. (See Wiechert, G. A., and Judd.)
Juergens, Henry F., Providence, R. I. Bead for jewelry. 1,508,887; Sept. 16.
Junker, Leo H., New York, N. Y. Chair. 1,508,697; Sept. 16.
Kalling, Bo M. S., and S. D. Daniell, Trollhattan, assignors to Aktiebolaget Ferrolegeringar, Stockholm, Sweden. Producing chromium or alloys of chromium. 1,508,557; Sept. 16.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. System for adjusting at a distance guns, searchlights, or other apparatus. 1,508,796; Sept. 16.
Kay, William M. R., Windsor, Ontario, Canada. Electric water heater. 1,509,042; Sept. 16.
Kehn, Henry M., Los Angeles, Calif. Loose-leaf binder. 1,508,849; Sept. 16.
Kell, Maynard, and W. Connare, assignors to Pumpless Blow Torch Company, Pittsburgh, Pa. Blowtorch. 1,508,698; Sept. 16.
Keller, Peter, Montreal, Quebec, Canada. Carpenter's table. 1,508,979; Sept. 16.
Kellogg Switchboard and Supply Company. (See Klay, Albert, assignor.)
Kelly, Ambrose V., Brooklyn, N. Y. Receptacle for flags. 1,508,980; Sept. 16.
Kelly, James W., Chicago, Ill. Flush valve. 1,508,398; Sept. 16.
Kemph, James E., Washington, D. C. Flying machine. 1,508,520; Sept. 16.
Kener, Edward, jr., assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Fastening for stove-base members. 1,508,797; Sept. 16.
Kenney, William J. (See Lotz, A., Davidson, and Kenney.)
Kerlin, Eugene G., assignor to Comas Cigarette Machine Company, Salem, Va. Pasting device for packaging machines. 1,508,981; Sept. 16.
Kerr, Thomas H., Columbus, Ohio. Indicating meter. 1,509,065; Sept. 16.
Kerwin, Thomas J., Chicago, Ill., assignor to Edmunds & Jones Corporation. Vehicle lamp. 1,509,070; Sept. 16.
Ketelsen, Arthur, Port Richmond, N. Y. Collapsible safety window seat. 1,508,699; Sept. 16.
Kettering, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Protecting device. 1,508,700; Sept. 16.
Kirk-Barber Company. (See Barber, Orren E., assignor.)
Klatt, Albert H., Los Angeles, Calif. Auxiliary seat for automobiles. 1,508,888; Sept. 16.
Klay, Albert, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Key. 1,508,798; Sept. 16.
Klett Manufacturing Company. (See Klett, Robert E., assignor.)
Klett, Robert E., Ridgefield Park, N. J., assignor to Klett Manufacturing Company, Inc. Sterilizer. 1,508,799; Sept. 16.
Knapp, David R., Philadelphia, Pa. Self-aligning bearing for cableways. 1,508,454; Sept. 16.
Kohash, Louis, Maple Shade, N. J. Brine-tank construction. 1,509,043; Sept. 16.
Kohlenscheidungs-Gesellschaft m. b. H. (See Hilbr, Arnold, assignor.)
Kohut, John, Boonton, N. J. Apparatus for producing gas from liquid in a cold state. 1,508,399; Sept. 16.
Kolle, Wilhelm, H. Bauer, and E. Maschmann, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Preparing bismuth salts of mercurated organic compounds containing an acid residue and the products obtainable therefrom. 1,508,603; Sept. 16.
Kollmann, Hermann, Rosenheim, Germany. Accumulative brake. 1,508,558; Sept. 16.
Koons, William M., Chanute, Kans. Window screen. 1,508,559; Sept. 16.
Kralund, John C. H. Duckworth, Brooklyn, N. Y., and M. Stern, Toledo, Ohio, assignors to Doebler Die Casting Company, Brooklyn, N. Y. Method of and apparatus for making castings. 1,508,889; Sept. 16.
Krämer, Christian, Berlin-Pankow, Germany, assignor to General Electric Company. Hand-operated arc-welding apparatus. 1,508,701; Sept. 16.
Kraska, Arthur. (See Dautrick, O. L., Johnson, and Kraska.)
Kraus, Charles A., Worcester, Mass. Glass. 1,508,455; Sept. 16.
Kreuser, John W., Chicago, Ill. Excavator. 1,508,521; Sept. 16.
Kreuser, Michael. (See Czarev, J. J., Whitley, and Kreuser.)
Krinsky, Morris J. (See Niederman, E., and Krinsky.)
Kronmiller, Carl G., assignor to Troy Laundry Machinery Co. Ltd., Chicago, Ill. Washing machine. 1,508,400; Sept. 16.
Kropp, Walter, and L. Taub, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical product. 1,508,401; Sept. 16.
Krum, Howard L. (See Carr, J. O., and Krum.)
Kubiak, Sylvester, Chicago, Ill. Renewable fuse plug. 1,508,402; Sept. 16.
Kuchmuk, Peter W., Chicago, Ill. Wire-stripping machine. 1,509,044; Sept. 16.

Kueber, George W., Killam, Alberta, Canada. Bundle carrier. 1,509,045; Sept. 16.
Kuehn, Henry F., Seattle, Wash. Apparatus for applying insecticides. 1,508,749; Sept. 16.
Kun, Emil. (See Gladstone, W. D., and Kun.)
Kunkel, Victor V. (See Emerson, George L., assignor.)
Kupper, Herman C. (See Leymarie, Henri, assignor.)
Kuntz, Charles J., and E. A. Laurent, Jeannette, Pa. Automobile lamp. 1,508,659; Sept. 16.
La Grassa, Peter, assignor to Night Aero Advertising Corporation, New York, N. Y. Advertising sign. 1,509,046; Sept. 16.
Lancaster Iron Works. (See Martin, James P., assignor.)
Lark, Katherine, Brooklyn, N. Y. Baby's cap. 1,508,702; Sept. 16.
Lasseaux, Marcel A., Paris, France. Nasal inhaler. 1,508,890; Sept. 16.
Laurent, Edward A. (See Kuntz, C. J., and Laurent.)
Lavick, Samuel R., assignor to Comfort Collar Clip Company, Chicago, Ill. Collar-fastening clip. 1,508,891; Sept. 16.
Leathem, James, Lebanon, Pa. Sewing machine. 1,508,703; Sept. 16.
Leathers, Ward, Haworth, N. J. Aeroplane. 1,508,604; Sept. 16.
Ledeboer, Jeremias H., The Hague, Netherlands, assignor to Freyn, Brassert & Company, Chicago, Ill. Gate-operating device for ore bins. 1,508,560; Sept. 16.
Leffler, Artur. (See Cassel, Gunnar E., assignor.)
Legett, Albert and S. F., Jackson, Miss. Gun construction. 1,508,605; Sept. 16.
Legett, Shared F. (See Legett, Albert and S. F.)
Lenz, William G., assignor to Perfection Mfg. Co., Brooklyn, N. Y. Ground clamp. 1,508,456; Sept. 16.
Leonard, Roy E., Los Angeles, Calif. Well-drilling apparatus. 1,508,704; Sept. 16.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. 1,508,660; Sept. 16.
Levesque, Gustave, Montreal, Quebec, Canada. Cranking handle for automobiles. 1,508,812; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,607; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,608; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,609; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,610; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,611; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,612; Sept. 16.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,613; Sept. 16.
Libby, George N., Berkeley, Calif. Treatment of sulphide ore with nitrates. 1,508,561; Sept. 16.
Lignoski, Milton S., assignor to G. R. Livergood, Houston, Tex. Pipe holder. 1,508,661; Sept. 16.
Lincoln Products Company. (See Thomas, H. D., and Odlum, assignors.)
Lindhorst, Rudolph J., Cleveland, Ohio. Rug fastener. 1,509,047; Sept. 16.
Lindsay, Hiram M., Chickasha, Okla. Combined shade and curtain holder. 1,508,850; Sept. 16.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Pyroxyline and making the same. 1,508,457; Sept. 16.
Litschgi, Charles, New York, N. Y. Bird cage. 1,508,458; Sept. 16.
Litvinas, Zenonas L., Chicago, Ill. Tailstock for multiple-spindle lathes. 1,508,662; Sept. 16.
Livergood, Gerald R. (See Lignoski, Milton S., assignor.)
Lloyd, John I., Kentville, Nova Scotia, Canada. Spraying machine. 1,508,663; Sept. 16.
Lombardi, John T. C., assignor to Hansen & Lombardi, Brooklyn, N. Y. Coal igniter. 1,508,403; Sept. 16.
Lotz, Alfred, Chicago, Ill., C. J. Davidson, Milwaukee, Wis., and W. J. Kenney, Chicago, Ill., assignors, by mesne assignments, to Moloch Company, Kaukauna, Wis. Grinder mechanism for boiler furnaces and the like. 1,508,562; Sept. 16.
Ludwig, L. H., et al. (See Stewart, James E., assignor.)
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,508,404; Sept. 16.
Lundgaard, Ivar, assignor to The Automatic Refrigerating Company, Hartford, Conn. Refrigerating machine. 1,508,522; Sept. 16.
Lyon, Charles D., Chicago, Ill. Weather strip. 1,508,459; Sept. 16.
Lyon Metallic Manufacturing Company. (See O'Connor, John B., assignor.)
MacDonald, James A., Brantford, Ontario, Canada. Electric water heater. 1,508,982; Sept. 16.
Mackie, James T., New Westminster, British Columbia, Canada. Gang-saw edger. 1,508,606; Sept. 16.
Mahan, David E., Portland, Oreg. Swivel hook. 1,508,705; Sept. 16.
Mallinckrodt Chemical Works. (See Mallinckrodt, Edward, jr., assignor.)
Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Rendering ether air free. 1,508,563; Sept. 16.
Mansfield, Horace, Yonkers, assignor of one-half to T. J. Carson, Brooklyn, N. Y. Spark plug. 1,508,460. Sept. 16.
Marcelli, Attillo, Overland, Mo., assignor to St. Louis Tool, Die & Manufacturing Company. Valve. 1,508,461; Sept. 16.
Marcus, Samuel. (See Sedransky, Samuel, assignor.)
Marcuse, Moses M., New York, N. Y. Dispensing cabinet. 1,509,048; Sept. 16.
Marks, Charles J. (See Pfaehler, H. G., and Marks.)
Markwick, John K. (See Benjamin, I. S., and Markwick.)
Marquis, Joseph A. (See Zblinden, Herman O., assignor.)
Marston, Charles F., Brooklyn, N. Y., assignor to Auto-Automatic Signal Co., Inc. Rear-end signal for vehicles. 1,509,049; Sept. 16.
Martel, Edgar J., Laconia, N. H. Operating control device. 1,508,607; Sept. 16.
Martin, James P., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Brick-machine mold. 1,509,079; Sept. 16.
Martin, Perry S., assignors to Newtown Giant Incubator Corporation, Harrisonburg, Va. Oil-burning colony brooder. 1,509,050; Sept. 16.
Martin, William F. (See McGhan, James B., assignor.)
Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft. (See Riehm, Wilhelm, assignor.)
Maschmann, Ernst. (See Kolle, W., Bauer, and Maschmann.)
Mathews, Fred, Chicago, Ill. Gearing. 1,508,564; Sept. 16.
Mathieson Alkali Works. (See Hults, Eugene A., assignor.)
Mattice, Royal, Philadelphia, Pa. Method of and apparatus for repairing metallic structures. 1,508,800; Sept. 16.
Maurer, Darwin W. (See Parrish, Benjamin E., assignor.)
Mayer, Carl F., Cleveland, Ohio. Oven wall. 1,508,462; Sept. 16.
Mazza, Edoardo N., Turin, Italy, assignor, by mesne assignments, to The A. F. Syndicate, New York, N. Y. Method and means for separating gases or the like. 1,508,405; Sept. 16.
McArthur, John, Detroit, Mich. Sash-operating mechanism. 1,508,609; Sept. 16.
McBride, Jesse E., assignor to Palmer-Bee Company, Detroit, Mich. Axle-assembling machine. 1,508,708; Sept. 16.
McBryde, James G., Romford, assignor to Pulco Supplies Limited, London, England. Rotary pump. 1,509,051; Sept. 16.
McCoy, Wilbert B., Cleveland, Ohio. Bath hood. Des. 65,614; Sept. 16.
McCutcheon, James H., Collingwood, Ontario, Canada. Rudder construction. 1,508,665; Sept. 16.
McDade, William J. (See Hebb, J. A., and McDade.)
McDermet, John R., Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for treating liquid. 1,508,985; Sept. 16.
McFarland, George, Fort Madison, Iowa. Clutch-controlled valve. 1,508,464; Sept. 16.
McGaughey, Henry N., Nettleton, Miss. Window. 1,509,052; Sept. 16.
McGhan, James B., assignor of one-half to W. F. Martin, Kenosha, Wis. Thermometer. 1,508,465; Sept. 16.
McGrew, Earl E., Lincoln, Nebr. Folding brace. 1,508,803; Sept. 16.
McKay, Frank R., et al. (See Jones, Harry E., assignor.)
McKee, Sylvester E. (See Astrup, Andrew, assignor.)
McNeice, James W., Ridgefield Park, N. J. Car-door construction. 1,509,053; Sept. 16.
McPherron, Charles W. (See Sprenger, P. D., and McPherron.)
McQueen, John N., Preston, Idaho. Demountable rim. 1,508,853; Sept. 16.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Stoneworking machine. 1,509,080; Sept. 16.
Mershon, George B., jr., Philadelphia, Pa. Supporter for an inner garment of female wear. 1,509,016; Sept. 16.
Mews, Friedrich Wilhelm, Berlin-Steglitz, assignor to Oragwerk A. G., Wandsbeck, near Hamburg, Germany. Locks of all kinds. 1,508,706; Sept. 16.
Meyercord Company, The. (See Johnson, Alvin O., assignor.)
Micro Meter Company, The. (See Pocock, Paul C. and A. J., assignors.)
Middelman, Willem, Barneveld, Netherlands. Egg-recording nest. 1,508,463; Sept. 16.
Mieg, Walter. (See Raeder, H. F., and Mieg.)
Mikalsen, Marian, San Pedro, Calif. Exercising and spine-stretching apparatus. 1,508,892; Sept. 16.
Miles, James C., Cleveland, Ohio. Hot-air heating system. 1,508,813; Sept. 16.

Milk Oil Corporation, The. (See North, Charles E., assignor.)
Miller, A. T., et al. (See Hardwicke, Laurie O., assignor.)
Miller, Harry W., Chicago, Ill. Liquid-fuel burner. 1,509,066; Sept. 16.
Miller, Hugo, Colby, Wis., assignor of one-half to M. Schild, Chicago, Ill. Mail box. 1,508,801; Sept. 16.
Miller, Lloyd W., and I. C. Duvall, Bessemer, Pa. Fuel economizer for explosive engines. 1,509,017; Sept. 16.
Miller, Max P., Cleveland Heights, and H. T. Patton, assignors to The Bishop & Babcock Company, Cleveland, Ohio. Valve for steam systems. 1,508,983; Sept. 16.
Miller, P. C., et al. (See Hardwicke, Laurie O., assignor.)
Miller, Stephen J., Danbury, Conn. Hat-brim-curling apparatus. 1,508,802; Sept. 16.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading system. 1,508,565; Sept. 16.
Milwaukee Dairy Supply Co. (See Strandt, Gustav, assignor.)
Minerals Separation North American Corporation. (See Scott, Walter A., assignor.)
Minimax-Aktien-Gesellschaft. (See Taegen, Hans, assignor.)
Mitchell, Frederick G., Ridgefield Park, N. J. Crystal detector for radioreception. 1,508,893; Sept. 16.
Mize, Frank F., Seal Beach, Calif. Traveling block. 1,508,664; Sept. 16.
Moffat, Frederick W., Weston, Ontario, Canada. Forming oven side walls. 1,508,566; Sept. 16.
Moll, Frederick L., Turramurra, near Sydney, New South Wales, Australia. Artificially incubating eggs. 1,508,851; Sept. 16.
Moloch Company. (See Lotz, A., Davidson, and Kenney, assignors.)
Moore, L., Dry Kiln Co. (See Williams, Patrick M., assignor.)
Moore, Miles F., San Francisco, assignor of one-half to W. F. Hills, Mountain View, Calif. Spring-oiling device. 1,508,608; Sept. 16.
Moran, Edward J., Chicago, Ill. Apparatus for vulcanizing tire liners and the like. 1,508,814; Sept. 16.
Morkrum Company. (See Carr, J. O., and Krum, assignors.)
Morrison, Donald R., Los Angeles, Calif. Tank cap. 1,508,894; Sept. 16.
Morton, Frederick C., Minneapolis, Minn. Glider. 1,509,018; Sept. 16.
Moscicki, Seweryn, New York, N. Y. Frame for hand bags. 1,509,019; Sept. 16.
Moses, Samuel M., Portland, Oreg. Baby's nightgown. 1,508,852; Sept. 16.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Control mechanism for aeroplane superchargers. 1,508,707; Sept. 16.
Mulligan, Francis M., Butte, Mont. Toy. 1,509,020; Sept. 16.
Murphy, Arthur C., et al., executors. (See Godfrey, Alexander.)
Myers, Frederick, New York, N. Y. Pneumatic-tire valve. 1,508,984; Sept. 16.
Nabors, William C., Mansfield, La. Combined bumper and winch for motor cars. 1,508,750; Sept. 16.
Nashua Gummed & Coated Paper Company. (See Perry, Lloyd M., assignor.)
Nasmith, John I., Eltham, assignor to Vickers Limited, Westminster, London, England. Tool for scoring cardboard and the like. 1,508,709; Sept. 16.
Naterman, Henry C., Los Angeles, Calif. Display holder. 1,508,523; Sept. 16.
National Blank Book Company. (See Schade, John, assignor.)
National Carbon Company. (See Rider, C. S., and Huntley, assignors.)
National Sewing Machine Company. (See Dawson, James W., assignor.)
Nead, John H., assignor to The American Rolling Mill Company, Middletown, Ohio. Treating chromium iron alloys. 1,508,567; Sept. 16.
Neeley, George S., Hartford, assignor of one-half to G. Watkins, Alton, Ill. Thrust bearing. 1,508,815; Sept. 16.
Nehlig, Harry K. (See Nehlig, John F., and H. K.)
Nehlig, John F., Ashland, and H. K. Nehlig, Laurel Springs, N. J. Coupling for drain pipes and the like. 1,509,021; Sept. 16.
Nelson, Gustav, et al. (See Partmann, Anton, assignor.)
Nelson, Sven T., Chicago, Ill., assignor to Sullivan Machinery Company, Boston, Mass. Valve. 1,508,568; Sept. 16.
Nemec, Joseph, Chicago, Ill. Door holder. 1,508,466; Sept. 16.
Newhall, Henry B. (See Pleister, Henry W., assignor.)
New Haven Clock Co. (See Porter, Wilson E., assignor.)
Newkirk, William B., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Grape sugar. 1,508,569; Sept. 16.
Newtown Giant Incubator Corporation. (See Martin, Perry S., assignor.)
Nichols, Frederick Y., and S. R. Drum, Chicago; said S. R. Drum assignor to W. H. Drum, Gridley, Ill. Emergency means for floating ships. 1,508,816; Sept. 16.
Nicholson, Jesmond T., Wilkes-Barre, Pa. Detachable chains. 1,508,854; Sept. 16.
Nicolosi, Salvatore, New York, N. Y. Convertible bed. 1,508,406; Sept. 16.
Niederman, Edward, Norwich, Conn., and M. J. Krinsky, New York, N. Y. Electric box. 1,508,666; Sept. 16.
Night Aero Advertising Corporation. (See La Grassa, Peter, assignor.)
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Noble, Ernest E., Lead, S. Dak. Clamp. 1,509,022; Sept. 16.
Noble, Paul O., Schenectady, N. Y., assignor to General Electric Company. Electric-arc-welding system and apparatus. 1,508,710; Sept. 16.
Noble, Paul O., Schenectady, N. Y., assignor to General Electric Company. Apparatus for arc welding. 1,508,711; Sept. 16.
Noble, Paul O., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 1,508,712; Sept. 16.
Noble, Paul O., Schenectady, N. Y., assignor to General Electric Company. Arc-welding apparatus. 1,508,713; Sept. 16.
Noles, Wilson, Indianapolis, Ind. Filter. 1,508,751; Sept. 16.
Norberg, Ernest O., Patchogue, N. Y. Amusement apparatus. 1,508,714; Sept. 16.
Norman, Fred G., Davenport, Iowa. Type-forming machine. 1,508,715; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Imperishable butter. 1,509,082; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Imperishable milk. 1,509,083; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Churning cream. 1,509,084; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Whipping reconstructed cream. 1,509,085; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Making butter from milk oil. 1,509,086; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Making butter from milk oil. 1,509,087; Sept. 16.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Making butter from milk oil. 1,509,088; Sept. 16.
Norton, Charles H., assignor to Norton Company, Worcester, Mass. Steady rest. 1,509,075; Sept. 16.
Norton Company. (See Norton, Charles H., assignor.)
Norton, Ralph H., Chicago, and W. C. Fork, Hinsdale, assignors to Acme Steel Goods Company, Chicago, Ill. Hoop-making machine. 1,508,570; Sept. 16.
Novick, Abraham, Brooklyn, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Envelope-fastener-attaching machine. 1,508,467; Sept. 16.
Nyden, Robert. (See Peterson, David, assignor.)
Oakes, George W., Crystal City, Mo., assignor to Pittsburgh Plate Glass Company. Plate-glass inspection clamp. 1,508,468; Sept. 16.
Ochs, Gustav, assignor to Ochs Snow Plow Co., Orange, N. J. Automobile snowplow. 1,508,716; Sept. 16.
Ochs Snow Plow Co. (See Ochs, Gustav, assignor.)
O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Shelving. 1,508,610; Sept. 16.
Odhner, Valentin J., Stockholm, Sweden. Means for attaching cranks to calculating machines. 1,508,752; Sept. 16.
Odlum, William H. (See Thomas, H. D., and Odlum.)
Oister, George F., assignor of one-half to I. W. Royer, Canton, Ohio. Humidifier. 1,508,855; Sept. 16.
Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Air lift pump. 1,508,667; Sept. 16.
Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
Oliver Chilled Plow Works. (See Gallagher, Arthur D., assignor.)
Olsen, Harry W. (See Bingen, W. J., and Olsen.)
Olson, Olaf W., Burbank, Okla. Screen-door protector and spring guide. 1,508,524; Sept. 16.
O'Neill, Maurice J., Stamford, Conn. Key retainer. 1,508,571; Sept. 16.
Orag-Werk A. G. (See Mews, Friedrich-Wilhelm, assignor.)
Ord, Malcolm L., Colorado Springs, Colo. Phonograph. 1,508,986; Sept. 16.
Ord, Malcolm L., Independence, Kans. Automatic phonograph. 1,508,572; Sept. 16.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Cementing machine. 1,508,469; Sept. 16.
Oswald, Alfred E., Bogota, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter stroke and word counting and signaling device and speed indicator. 1,508,407; Sept. 16.

Pacific Coast Typewriter Co. (See Bennett, Orin, assignor.)
Pagalas, William, et al. (See Partmann, Anton, assignor.)
Page, Georgia W., New York, N. Y. Mobile figure. 1,508,717; Sept. 16.
Pagé, Victor W., New York, N. Y. Crank-case construction. 1,509,023; Sept. 16.
Palmer-Bee Company. (See McBride, Jesse E., assignor.)
Palmer-Bee Company. (See Simpson, William E., assignor.)
Palmer, C. C. (See Dowdall, Roy L., assignor.)
Pappajion, George D., Danielson, Conn. Developing-film hanger. 1,508,804; Sept. 16.
Paramor, John, assignor of one-half to The Watford Engineering Works Limited, Watford, England. Machine for straining paper pulp and the like. 1,509,024; Sept. 16.
Parissi, Anthony J., Cohoes, N. Y. Burglar alarm. 1,508,611; Sept. 16.
Parker, Clarence E., Minneapolis, Minn. Excavating machine. 1,508,573; Sept. 16.
Parker, Guy E. (See Seaholm, E. W., and Parker.)
Parra, José A., El Paso, Tex. Spring wheel. 1,508,525; Sept. 16.
Parradee, Edward, Grand Rapids, Mich. Vehicle bumper. 1,509,054; Sept. 16.
Parrish, Benjamin E., Honeygrove, assignor of one-half to D. W. Maurer, Dallas, Tex. Plug for oil wells and similar purposes. 1,508,526; Sept. 16.
Partmann, Anton, New York, assignor of one-fourth to E. W. Probst, Brooklyn, N. Y., one-fourth to W. Pagalas, and one-fourth to G. Nelson, Arlington, N. J. Stand. 1,508,470; Sept. 16.
Patterson, John W., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Ball. 1,509,025; Sept. 16.
Patterson-Sargent Company, The. (See Ross, Norton A., assignor.)
Patton, Hal T. (See Miller, M. P., and Patton.)
Patzer, Henry L., Milwaukee, Wis. Embossed-stitching attachment. 1,508,895; Sept. 16.
Paul, George F., Los Angeles, Calif. Water heater. 1,508,471; Sept. 16.
Payne, Charles, Waukegan, Ill. Combination truck and concrete mixer. 1,509,055; Sept. 16.
Peabody, Ernest H., Pelham Manor, N. Y. Apparatus for burning liquid fuel. 1,508,718; Sept. 16.
Peabody, Ernest H., Pelham Manor, N. Y. Furnace front. 1,508,719; Sept. 16.
Pease, F. B., Company. (See Chenaut, William A. and L. E., assignors.)
Peerless Husker Company. (See Sheldon, Henry A., assignor.)
Perfection Mfg. Co. (See Lenz, William G., assignor.)
Perkins-Kelly, Maria, Los Angeles, Calif. Head measure. 1,508,811; Sept. 16.
Perry, Lloyd M., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Finished sheet material and finishing the same. 1,508,720; Sept. 16.
Pertuiset, Georges B., Geneva, Switzerland. Biscuit-cutting machine. 1,508,935; Sept. 16.
Peterson, David, Belleville, N. J., assignor of one-half to R. Nyden, Brooklyn, N. Y. Saw filing and setting apparatus. 1,508,574; Sept. 16.
Pfaehler, Hegman G., New York, N. Y., and C. J. Marks, Paterson, N. J. Cooking utensil. 1,508,817; Sept. 16.
Pfretzschner, Jakob, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electric time switch. 1,509,026; Sept. 16.
Phelps, Henry E. (See Toomey, J. F., and Phelps.)
Phillips, Edward S., Seattle, Wash. Apparatus for destroying tree stumps. 1,509,027; Sept. 16.
Phillips, James, Hazleton, Pa. Combination cleaner and tamper. 1,509,028; Sept. 16.
Phillips, Omi G., Portland, Oreg. Roadway sander. 1,509,029; Sept. 16.
Pierce, Clarence A., assignor of one-third to J. C. Wadleigh and one-third to A. B. Clark, Lowell, Mass. Bobbin for feeler mechanisms. 1,508,472; Sept. 16.
Pitcher, Elmer C., and F. W. Schmitz, San Francisco, Calif. Tank. 1,508,575; Sept. 16.
Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
Pittsburgh Plate Glass Company. (See Johnston, Albert F., assignor.)
Pittsburgh Plate Glass Company. (See Oakes, George W., assignor.)
Platt, Frank L., G. N. Hein, and R. R. Impey, San Francisco, Calif. Washerless removable-tip hypodermic syringe. 1,508,936; Sept. 16.
Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bridle-wire support or bracket. 1,508,721; Sept. 16.
Pocock, Augustine J. (See Pocock, Paul C. and A. J.)
Pocock, Paul C., Sidney, and A. J. Pocock, Dayton, assignors, by mesne assignments, to The Micro Meter Company, Sidney, Ohio. Meter. 1,508,937; Sept. 16.
Polda, William A., Chicago, Ill. Beadwork loom. 1,508,818; Sept. 16.
Polis, Samuel N., New York, N. Y. Ship. 1,508,473; Sept. 16.
Pollock, Leopold, New York, N. Y. Electrical attachment plug. 1,508,474; Sept. 16.
Pons, Eugene, Schenectady, N. Y. Clip. 1,508,475; Sept. 16.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Resettable timing mechanism. 1,508,527; Sept. 16.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Timing mechanism. 1,508,528; Sept. 16.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Timing mechanism. 1,508,529; Sept. 16.
Post, Edward C., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Coupler. 1,508,408; Sept. 16.
Potter, James E., assignor to A & Z Chain Co., Providence, R. I. Bracelet hook. 1,508,612; Sept. 16.
Pouchain, Adolfo, Turin, Italy. Negative plate for electric accumulators. 1,508,613; Sept. 16.
Powell, A. L., Power Company. (See Powell, Alvah L., assignor.)
Powell, Alvah L., Miles City, Mont., assignor, by mesne assignments, to A. L. Powell Power Company, Incorporated. Engine. 1,408,614; Sept. 16.
Powell, George W., J. L. Smith, and H. E. Dixon, La Grande, Oreg. Glareshield. 1,508,530; Sept. 16.
Powers, Fred W., and M. O. Snediker, assignors to The Powers Regulator Co., Chicago, Ill. Pressure-equalizing shower mixer. 1,508,938; Sept. 16.
Powers Regulator Co., The. (See Powers, F. W., and Snediker, assignors.)
Pratt & Whitney Company. (See Ingham, Walter E., assignor.)
Pratt, Ernest C., Minneapolis, Minn. Loader. 1,508,856; Sept. 16.
Pratt, Ernest C., Minneapolis, Minn. Loader. 1,508,857; Sept. 16.
Pratt, William E. (See Van Fleet, Elon J., assignor.)
Prest-O-Lite Co. (See Gillette, Helen C., assignor.)
Preston, Edward S., Chicago, Ill., assignor to Edmunds & Jones Corporation. Lever switch. 1,509,071; Sept. 16.
Price Engine Corporation. (See Price, William T., assignor.)
Price, Helen C., administrator. (See Price, William T.)
Price, William T., deceased, Easton, Pa.; H. C. Price, administratrix, assignor to Price Engine Corporation, New York, N. Y. Engine-fuel regulation. 1,508,722; Sept. 16.
Prinzler, Carl J., assignor to Vonnegut Hardware Company, Indianapolis, Ind. Lock. 1,508,668; Sept. 16.
Probst, Ernest W., et al. (See Partmann, Anton, assignor.)
Prym, William, G. m. b. H. (See Tuxhorn, Wilhelm, assignor.)
Pugh, Charles H., Limited. (See Bull, George F., assignor.)
Pulco Supplies Limited. (See McBryde, James G., assignor.)
Pumpless Blow Torch Company. (See Kell, M., and Connare, assignors.)
Quentell Corporation. (See Quentell, William P., assignor.)
Quentell, William P., assignor to Quentell Corporation, New York, N. Y. Transfer mechanism for registers. 1,508,531; Sept. 16.
Quentell, William P., assignor to Quentell Corporation, New York, N. Y. Printing mechanism. 1,508,532; Sept. 16.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Stenciling machine. 1,508,669; Sept. 16.
Raeder, Heinrich F., and W. Mieg, Vohwinkel, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Dyestuff. 1,508,409; Sept. 16.
Railway Devices Company. (See Campbell, Sterling H., assignor.)
Raines, Herbert L., et al. (See Stewart, James E., assignor.)
Ranck, Edward D., Toronto, Ontario, Canada, assignor to The Coleman Lamp Co., Wichita, Kans. Liquid-dispensing can. 1,508,410; Sept. 16.
Reading Automatic Machine Company. (See Jackson, Calvin, assignor.)
Reece Shoe Machinery Company. (See Hill, George C., assignor.)
Reeves, Milton O., Columbus, Ind., assignor, by mesne assignments, to The Heim Grinder Company, Danbury, Conn. Grinding-wheel dresser. 1,508,939; Sept. 16.
Reflector & Illuminating Co. (See Herron, James C., assignor.)
Reichard, Harold D., Akron, Ohio. Tire tread. Des. 65,615; Sept. 16.
Reichard, Harold D., Akron, Ohio. Tire tread. Des. 65,616; Sept. 16.
Remde, Edward H., assignor to The Baker R & L Company, Cleveland, Ohio. Seat for vehicles. 1,508,576; Sept. 16.
Reynard, Otto. (See Thornley, F. C., Tapping, and Reynard.)
Rhodes, Charles J. (See Berry, George W., assignor.)
Richards, John R., Dallas, Tex., assignor of one-half to G. O. Bery, Madison, Wis. Cleat for athletic footwear. 1,508,533; Sept. 16.

Rider, Carl S., Lansing, Mich., and A. K. Huntley, Madison, Wis., assignors to National Carbon Company, Inc. Battery of dry cells and assembling the same. 1,508,987; Sept. 16.

Riehm, Wilhelm, assignor to the Firm Maschinenfabrik Augsburg, Nuernberg Aktiengesellschaft, Augsburg, Germany. Fuel ignition apparatus for internal-combustion engines. 1,508,476; Sept. 16.

Riker, Samuel M., Chester, N. J. Belt buckle. 1,508,411; Sept. 16.

Ringo, Fred D., assignor of one-third to M. N. Thompson, Limon, and one-third to F. Blakeman, jr., Eads, Colo. Demountable rim with contracting and expanding means. 1,508,723; Sept. 16.

Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Brake for gyratory centrifugals. 1,508,577; Sept. 16.

Robertson, Henry M., St. Paul, Minn. Brake-actuating mechanism. 1,508,412; Sept. 16.

Rockford Milling Machine Company. (See Sundstrand, Gustaf D., assignor.)

Rodger Ballast Car Company. (See Hart, Harry S., assignor.)

Roney, John H. (See Trood, Samuel, assignor.)

Roose, Clyde O. (See Swartz, A. J., and Roose.)

Rose, Walter E., Boulder, Colo. Flexible water bag or bucket. 1,508,724; Sept. 16.

Ross, James P., Girvin, Saskatchewan, Canada. Sheet-music turner. 1,508,534; Sept. 16.

Ross, Norton A., assignor to The Patterson-Sargent Company, Cleveland, Ohio. Color chart. 1,508,988; Sept. 16.

Roth, Gilbert A., Hastings, Nebr. Luggage carrier. 1,508,980; Sept. 16.

Rottenburg, Henry, Cambridge, England. Ink bottle for draftsmen. 1,508,535; Sept. 16.

Rowley, Eugene C., Seattle, Wash. Crystal detector for radio apparatus. 1,508,615; Sept. 16.

Roy, Irené, Paris, France. Endless-track vehicle. 1,509,030; Sept. 16.

Royal Typewriter Company. (See Degener, Gustave O., assignor.)

Royer, Ira W. (See Oister, George F., assignor.)

Rühr, Arnold, Nuremberg, assignor to Kohlenscheidungs-Gesellschaft m. b. H., Berlin, Germany. Apparatus for the distillation of coal and other substances. 1,508,578; Sept. 16.

Ruthenburg, Louis R., Dayton, Ohio. Steering-wheel lock. 1,508,616; Sept. 16.

St. Louis Tool, Die & Manufacturing Company. (See Marcelli, Attilio, assignor.)

Saltenberger, Charles, Paterson, N. J. Curtain rod. 1,508,579; Sept. 16.

Sandberg, William, Belmont, and E. V. Granlund, Boston, Mass. Hollow metal last. 1,508,858; Sept. 16.

Sandstrom, Carl R., Austin, Tex. Joint-tightening device. 1,509,031; Sept. 16.

Sasnett, Edward C., Washington, D. C. Automatic train-controlling system. 1,508,413; Sept. 16.

Sawdon, Joseph, Quincy, Ill. Duplex envelope. 1,508,819; Sept. 16.

Sawyer, Willard N., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Spindle-holding means. 1,509,056; Sept. 16.

Scalisi, Ignazio J., Cleveland, Ohio. Parachute attachment for airships. 1,509,032; Sept. 16.

Scanes, Arthur E. L., Ashton-on-Mersey, England. Condenser-efficiency gauge. 1,509,033; Sept. 16.

Scarlett, William E. (See Brothers, E., and Scarlett.)

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,508,820; Sept. 16.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,508,821; Sept. 16.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Unitary telescoping element and locking means. 1,508,822; Sept. 16.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Scratch-pad filler book. 1,508,823; Sept. 16.

Schenfield, George F., San Francisco, Calif. Figure toy. 1,508,536; Sept. 16.

Schild, Martha. (See Miller, Hugo, assignor.)

Schloesser, Harry, Fairland, Ind. Tweezers. 1,508,725; Sept. 16.

Schmidt, Albert F., Hoboken, N. J. End-flange attachment for horizontal warping-beam rolls. 1,508,477; Sept. 16.

Schmidt, Frederick J., Steelton, Pa. Flash-light attachment. 1,508,990; Sept. 16.

Schmitz, Fred W. (See Pitcher, E. C., and Schmitz.)

Schoch, Eugene P., Austin, Tex. Dehydrated lignite and producing the same. 1,508,617; Sept. 16.

Schoelkopf, Louis F., Madison, Wis. Door swing. 1,508,580; Sept. 16.

Schoenhoff, Peter J., Plains, Kans. Cushion seat. 1,508,859; Sept. 16.

Schramm, Adolf P. C., New York, N. Y., assignor to United Electrical Manufacturing Company, Adrian, Mich. Adjustable thrust bearing. 1,508,824; Sept. 16.

Schuster, Charles, New York, N. Y. Artificial plant. Des. 65,617; Sept. 16.

Scott, John P. (See Allan, William G., assignor.)

Scott, Walter A., Chicago, Ill., assignor to Minerals Separation North American Corporation. Ore-concentration process. 1,508,478; Sept. 16.

Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. 1,508,414; Sept. 16.

Scovill Manufacturing Company. (See Goss, John H., assignor.)

Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Adjustable mounting for lamps. 1,508,896; Sept. 16.

Seaholm, Ernest W., and G. E. Parker, assignors to General Motors Corporation, Detroit, Mich. Torque-tube connection. 1,508,897; Sept. 16.

Sealand, Frank N., assignor to The Jenvons Manufacturing Co., Cleveland, Ohio. Spring lubricator or protector. 1,508,479; Sept. 16.

Seamless Rubber Company, The. (See Dodge, Frank W., assignor.)

Seamless Rubber Company, The. (See Patterson, John W., assignor.)

Sedransky, Samuel, Bronx, assignor to S. Marcus, Brooklyn, N. Y. Wristband adapted for carrying articles. 1,508,940; Sept. 16.

Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Molding machine. 1,508,415; Sept. 16.

Seignol, Edouard. (See Guichard, Louis, assignor.)

Sendlak, John H., Saskatoon, Saskatchewan, Canada. Combination shade and curtain holder. 1,508,991; Sept. 16.

Severns, William, Chicago, Ill. Mop. 1,508,941; Sept. 16.

Shapiro, Israel, Denver, Colo. Radiophonograph. 1,508,726; Sept. 16.

Shaver, Elmer C., New York, N. Y. Railway rail. 1,508,992; Sept. 16.

Shaw, Arthur D., and J. R. Thomas, assignors, by mesne assignments, to Widmer Compressor, Inc., Philadelphia, Pa. Compressor. 1,508,805; Sept. 16.

Shaw-Walker Company. (See Hunter, David E., assignor.)

Shea, John, New York, N. Y. Shingling method. 1,508,581; Sept. 16.

Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Knife grinder. 1,508,727; Sept. 16.

Sheldon, Henry A., assignor to Peerless Husker Company, Buffalo, N. Y. Grader for fruits, vegetables, and other articles. 1,508,416; Sept. 16.

Sherman, H. B., Manufacturing Co. (See Sherman, H. B., and Hanlan, assignors.)

Sherman, Howard B., and F. Hanlan, assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Nozzle. 1,508,993; Sept. 16.

Shook, Anna N., New York, N. Y. Hand loom. 1,508,942; Sept. 16.

Shyler, William F., Meadville, Pa. Parcel-delivery system. 1,508,994; Sept. 16.

Sicka, Louis T., Bonne Terre, Mo. Fuel-preheating attachment for internal-combustion engines. 1,508,943; Sept. 16.

Siefert, Otto, Berlin, Germany. Liquid-fuel-supply device for internal-combustion or like engines. 1,508,618; Sept. 16.

Siefken, Renko H., Marshalltown, Iowa. Fruit gatherer. 1,508,728; Sept. 16.

Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)

Sigler, Orpha G. (See Carnahan, Ralph W., assignor.)

Sill, Harley A. (See Van Arsdale, G. D., and Sill.)

Sill, Rush T. (See Van Arsdale, G. D., and Sill.)

Silver-Chamberlin Co. (See Silver, David L., assignor.)

Silver, David L., assignor to Silver-Chamberlin Co., Clayton, N. J. Mop head and detachable connection therefor. 1,508,995; Sept. 16.

Silvestri, Giulio, Rodaun, near Vienna, Austria. Pump with variable output and constant number of strokes. 1,509,056; Sept. 16.

Simon, Selig, St. Louis, Mo. Valve. 1,508,944; Sept. 16.

Simonson, Axel G., Hansford County, Tex. Clothespin. 1,508,619; Sept. 16.

Simplex Window Company. (See Soule, Arthur C., assignor.)

Simpson, Arthur M. (See Simpson, George N. and A. M.)

Simpson, George N., Chicago, Ill. Power mechanism. 1,509,000; Sept. 16.

Simpson, George N. and A. M., Chicago, Ill. Car control. 1,508,998; Sept. 16.

Simpson, George N. and A. M., Chicago, Ill. Car control. 1,508,999; Sept. 16.

Simpson, George N., Pittsburgh, Pa., and A. M. Simpson, Chicago, Ill. Hoisting and dumping apparatus. 1,508,996; Sept. 16.

Simpson, George N., Pittsburgh, Pa., and A. M. Simpson, Chicago, Ill. Automatic car-holding mechanism. 1,508,997; Sept. 16.

Simpson, William E., assignor to Palmer-Bee Company, Detroit, Mich. Work-holding clamp. 1,508,729; Sept. 16.

Sing, Charles N., Newark, N. J. Reversing mechanism for ironing machines. 1,508,620; Sept. 16.

Sisk, Francis M. and H. M., Atlanta, Ga. Bicycle. 1,508,621; Sept. 16.

Sisk, Hudson M. (See Sisk, Francis M. and H. M.)

Skaer, Arthur H., T. E. Barker, and O. E. Clark, assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo. Reversible drum. Re15,917; Sept. 16.

Skinner, Charles W., Newfield, N. J. Trap filter for irrigation. 1,508,480; Sept. 16.

Sleeper & Hartley, Inc. (See Sleeper, F. H., and Horton, assignors.)

Sleeper, Frank H., and J. A. Horton, assignors to Sleeper & Hartley, Inc., Worcester, Mass. Machine for cutting wire into lengths. 1,508,753; Sept. 16.

Smith, Alva T., Winsted, Conn. Guard for electric heaters. Des. 65,618; Sept. 16.

Smith, Frank H., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Platform. 1,508,898; Sept. 16.

Smith, George, Mullen, Nebr. Pump rod and valve grab. 1,509,001; Sept. 16.

Smith, George W., and F. L. Weisser, San Antonio, Tex. Manufacturing carbureted water gas. 1,508,807; Sept. 16.

Smith, Joseph L. (See Powell, G. W., Smith, and Dixon.)

Smith, Rensselaer J., South Bethlehem, N. Y. Spark-amplifying device. 1,508,622; Sept. 16.

Smithe, F. L., Machine Company. (See Novick, Abraham, assignor.)

Snediker, Morton O. (See Powers, F. W., and Snediker.)

Société Anonyme des Anciens Etablissements Hotchkiss et Compagnie. (See Ainsworth, Henry M., assignor.)

Societe Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)

Somervell, Charles S., Riverton, N. J. Impact or percussive tool of the explosion-motor type. 1,508,623; Sept. 16.

Sonesson, August E., Birmingham, England. Metal belt. 1,508,481; Sept. 16.

Soule, Arthur C., assignor to Simplex Window Company, San Francisco, Calif. Window mounting. 1,508,624; Sept. 16.

Soule, Welling C., Savannah, N. Y. Double-locking book and eye. 1,509,002; Sept. 16.

Sowards, Daniel, Kettle Falls, Wash. Automatic wagon brake. 1,509,003; Sept. 16.

Spitler, Joseph M., Houston, Tex. Pipe-recovering device. 1,508,417; Sept. 16.

Sprenger, Paul D., and C. W. McPherron, Seattle, Wash. Valve. 1,508,754; Sept. 16.

Sprowl, Arthur T., Sacramento, Calif. Liquid-fuel burner. 1,508,730; Sept. 16.

Standard Conveyor Company. (See Wright, Fred, assignor.)

Standerwick, Reginald G., Lynn, Mass., assignor to General Electric Company. Control mechanism for aeroplane superchargers. 1,508,731; Sept. 16.

Standring, Richard, Accrington, England. Shuttle for looms for weaving. 1,508,537; Sept. 16.

Stanford, Elma L. (See Stanford, William E. and E. L.)

Stanford, William E. and E. L., Calexico, Calif. Vehicle spring. 1,508,755; Sept. 16.

Steffer, Fred J., Tulsa, Okla. Hosiery exhibitor. Des. 65,619; Sept. 16.

Stephens, Samuel, Calgary, Alberta, Canada. Securing device for use in sharpening scissors. 1,508,482; Sept. 16.

Stern, Marcus. (See Kralund, J., Duckworth, and Stern.)

Stevens, John H., South Orange, N. J., assignor to The Celluloid Company. Pyroxyline composition and process. 1,508,483; Sept. 16.

Stevens, John H., South Orange, N. J., assignor to The Celluloid Company. Pyroxyline composition and process. 1,508,484; Sept. 16.

Stevens, Osro S., Waxahachie, assignor of one-half to P. Blanchard & Sons, Palestine, Tex. Sealing compound. 1,509,004; Sept. 16.

Stewart, James E., Maryville, assignor of one-third to L. H. Ludwig, Kansas City, and one-third to H. L. Raines, Maryville, Mo. Chuck for jewelers' lathes. 1,509,057; Sept. 16.

Stewart, William G., Windsor, Ontario, Canada. Accelerator attachment. 1,508,418; Sept. 16.

Stocks, William, Fitzroy, Victoria, Australia. Composition of matter for use in lieu of leather or for other suitable purposes and manufacturing same. 1,508,899; Sept. 16.

Stocks, William, Fitzroy, Victoria, Australia. Producing a composition of matter for use in lieu of rubber, leather, or for other suitable purposes. 1,508,900; Sept. 16.

Stocks, William, Miramar, near Wellington, New Zealand. Treating vulcanized rubber and mixing same, etc. 1,508,901; Sept. 16.

Stoeffler, Charles, Providence, R. I. Bird guard and antiblind rattler. 1,508,902; Sept. 16.

Stoll, David, New York N. Y. Metal strip or similar article of manufacture. Des. 65,620; Sept. 16.

Stone, Andrew F. (See Cain, E. R., and Stone.)

Stop-Burglar Lock Company. (See Hill, Elert A., assignor.)

Strandt, Gustav, assignor to Milwaukee Dairy Supply Co., Milwaukee, Wis. Milk-bottling machine. 1,508,903; Sept. 16.

Strang, Joseph A. (See Brown, J. P., and Strang.)

Strasser, Leopold, New York, N. Y. Wrist watchcase. Des. 65,621; Sept. 16.

Strasser, Leopold, New York, N. Y. Wrist watchcase. Des. 65,622; Sept. 16.

Strasser, Leopold, New York, N. Y. Wrist watchcase. Des. 65,623; Sept. 16.

Strasser, Leopold, New York, N. Y. Wrist watchcase. Des. 65,624; Sept. 16.

Stratford, Charles W., San Francisco, Calif. Bleaching petroleum products with clay. 1,508,625; Sept. 16.

Straub, Francis J., New Kensington, Pa. Crushing rolls. 1,509,005; Sept. 16.

Struble, Jacob B., Oakland, Calif., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,508,582; Sept. 16.

Stuart, Alexander T., Detroit, Mich. Radiator. 1,508,860; Sept. 16.

Sullivan Machinery Company. (See Halvorsen, Halbert B., assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Sullivan Machinery Company. (See Nelson, Sven T., assignor.)

Sullivan Machinery Company. (See Oliphant, John, assignor.)

Sumner, Hermann G. (See Butterfield, Louis M., assignor.)

Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Cover. 1,508,419; Sept. 16.

Sundstrand, Gustaf D., assignor to Rockford Milling Machine Company, Rockford, Ill. Skip-feed milling machine. 1,508,825; Sept. 16.

Super Seal Piston Ring Company. (See Funchess, Fred H., assignor.)

Swan, John W., Stamford, Conn. Carburetor. 1,508,626; Sept. 16.

Swartz, Alvin J., Willard, and C. O. Roose, Norwalk, Ohio. Balloon toy. 1,508,420; Sept. 16.

Szirmay, Charles M., New York, N. Y. Safety razor. 1,508,485; Sept. 16.

Tacoma, Johannes, and C. de Vleeschouwer, Amsterdam, Netherlands. Rust-preventing device. 1,508,583; Sept. 16.

Taegen, Hans, Berlin-Grunewald, assignor of one-half to the Firm Minimax-Aktien-Gesellschaft, Berlin, Germany. Brickwork wall for safes, strong rooms, and the like. 1,508,421; Sept. 16.

Taggart, John A., Wilmette, Ill. Form structure for concrete construction. 1,508,422; Sept. 16.

Tanner, Albert C. (See Edgington, Harvey E., assignor.)

Tapping, Frank F. (See Thornley, F. C., Tapping, and Reynard.)

Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Piston. 1,508,861; Sept. 16.

Taub, Ludwig. (See Kropp, W., and Taub.)

Taubel, Edward C., Norristown, Pa. Stocking. Des. 65,625; Sept. 16.

Taylor, Charles N., Hemingford, Nebr. Ditching, grading, and back-filling machine. 1,508,627; Sept. 16.

Taylor, James, assignor to Entwisle and Kenyon, Limited, Accrington, England. Carpet sweeper. 1,508,538; Sept. 16.

Terrell, Oliver C., Portland, Oreg. Paring knife. 1,508,628; Sept. 16.

Texas Company, The. (See Gray, G. W., and Hall, assignors.)

Tharaldsen, Filip, Christiania, Norway. Device for introduction of the electrodes in electric furnaces. 1,508,486; Sept. 16.

Thomas, Earl B., Atlantic City, N. J. Electrode holder. 1,509,006; Sept. 16.

Thomas, Harold D., and W. H. Odium, assignors to Lincoln Products Company, Chicago, Ill. Bracket for snubbers and the like. 1,508,584; Sept. 16.

Thomas, John O., Long Beach, Calif. Combination square. 1,508,423; Sept. 16.

Thomas, Joseph R. (See Shaw, A. D., and Thomas.)

Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telephone desk set. 1,508,424; Sept. 16.

Thompson, Milton N., et al. (See Ringo, Fred D., assignor.)

Thornley, Fred C., F. F. Tapping, Knightsbridge, London, and O. Reynard, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Storage battery. 1,508,732; Sept. 16.

Thornley, Fred C., and F. F. Tapping, Knightsbridge, London, and O. Reynard, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Manufacture of cellulose. 1,509,034; Sept. 16.

Thornley, Fred C., and F. F. Tapping, Knightsbridge, London, and O. Reynard, Inkerman Terrace, London, England; said Tapping and said Reynard assignors to said Thornley. Utilization of seaweed. 1,509,035; Sept. 16.

Thorssell, Carl T., and E. C. Beck-Friis, Gottenborg, Sweden. Discharging device for electric furnaces. 1,509,007; Sept. 16.

Timmons, Lindsay H., assignor of one-half to G. B. Frost, Des Moines, Iowa. Spring. 1,508,487; Sept. 16.

Todd Protectograph Company. (See Gray, Alton L., assignor.)

Toomey, John F., and H. E. Phelps, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone private branch exchange circuits. 1,508,425; Sept. 16.

Trabold, Frank W., New York, N. Y. Noncombustible visiting card. 1,508,733; Sept. 16.

Trescott, Charles B., Chicago, Ill. Preparing legumes or seeds of the bean family by low-temperature cooking. 1,508,862; Sept. 16.

Tretick, Michael, Baltimore, Md. Telephone arm and call-card holder. 1,508,488; Sept. 16.

Trood, Samuel, deceased, Haysville; S. Trood, administratrix, assignor of one-fourth to J. H. Roney, Ingram Borough, Pa. Chain. 1,508,670; Sept. 16.

Trood, Sophia, administratrix. (See Trood, Samuel.)

Troy Laundry Machinery Co. Ltd. (See Krommiller, Carl G., assignor.)

Tryon, Reginald V. (See Gentle, T. J., and Tryon.)

Turner, Herbert W., Auckland, New Zealand. Cycle frame. 1,508,826; Sept. 16.

Tuxhorn, Wilhelm, assignor to William Prym G. m. b. H., Stolberg, Germany. Button. 1,508,426; Sept. 16.

Ufford, Charles A., Dorchester, Mass. Garment form. 1,508,734; Sept. 16.

Underwood Typewriter Company. (See Anderson, James C., assignor.)

Underwood Typewriter Company. (See Oswald, Alfred E., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Special Machine Company. (See Berger, Joseph, assignor.)

Union Switch & Signal Company, The. (See Castleman, Frank M., assignor.)

Union Switch & Signal Company, The. (See Howard, Lemuel F., assignor.)

Union Switch & Signal Company, The. (See Struble, Jacob B., assignor.)

United Electrical Manufacturing Company. (See Schramm, Adolf P. C., assignor.)

United Shoe Machinery Corporation. (See Brothers, E., and Scarlett, assignors.)

United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)

United Shoe Machinery Corporation. (See Gorsuch, George J., assignor.)

United Shoe Machinery Corporation. (See Hoyt, Charles H., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)

United Shoe Machinery Corporation. (See Warren, George E., assignor.)

U. S. Industrial Alcohol Co. (See Backhaus, Arthur A., assignor.)

Valiquet, Louis P., Chicago, Ill. Driving mechanism for phonographs. 1,508,827; Sept. 16.

Van Arsdale, George D. and R. T., and H. A. Sill, Los Angeles, Calif. Producing molybdenum and molybdenum compounds. 1,508,629; Sept. 16.

Vance, Arthur J. (See Collier, W. H., and Vance.)

Van Fleet, Elon J., Joliet, assignor to W. E. Pratt, Chicago, Ill. Luggage carrier for automobiles. 1,508,904; Sept. 16.

Vapor Car Heating Company. (See Post, Edward C., assignor.)

Variety Fire Door Company. (See Gervais, Wainwright B., assignor.)

Vegetable Oil Securities Company. (See Bissell, Robert W., assignor.)

Venn, Charles J., Chicago, assignor to Century Rubber Works, Cicero, Ill. Tire tread. Des. 65,626; Sept. 16.

Verwys, John J., Sparta, assignor to The Welch Mfg. Co., Grand Rapids, Mich. Revolving-rack showcase. 1,508,671; Sept. 16.

Vickers Limited. (See Nasmith, John I., assignor.)

Victor Talking Machine Company. (See Douglass, Leon F., assignor.)

Vlchek, Frank J., Cleveland, Ohio, assignor to The Vlchek Tool Company. Ripping bar and making same. 1,508,489; Sept. 16.

Vlchek Tool Company, The. (See Vlchek, Frank J., assignor.)

Voight, George F., Oakland, Calif. Plasterer's nails. 1,508,630; Sept. 16.

Vonnegut Hardware Company. (See Prinzler, Carl J., assignor.)

Wadleigh, Jude C., et al. (See Pierce, Clarence A., assignor.)

Wagner, Hugo G., Point Pleasant Beach, N. J. Electric-storage-battery construction. 1,508,427; Sept. 16.

Wagner, Hugo G., Point Pleasant Beach, N. J. Electric-storage-battery cell and case. 1,508,428; Sept. 16.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,508,808; Sept. 16.

Waldo, Algermont H., St. Paul, Minn., assignor to Crex Carpet Company, New York, N. Y. Rug. Des. 65,627; Sept. 16.

Wallace, James M., Spartanburg, S. C. Fountain pen. 1,509,008; Sept. 16.

Warner, Chester E. (See Benjamin, R. B., and Warner.)

Warren, George E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole and making the same. 1,508,429; Sept. 16.

Watford Engineering Works, Limited, The. (See Paramor, John, assignor.)

Watkins, Griffin. (See Neeley, George S., assignor.)

Watts, John R., Chicago, Ill. Oil burner. 1,509,072; Sept. 16.

Wayne Tool Manufacturing Company. (See Flinchbaugh, Frederick T., assignor.)

Weber, Frederick C., New York, N. Y., and F. M. Allen, Washington, D. C. Refrigerating apparatus. 1,508,833; Sept. 16.

Webster, George C., Los Angeles, Calif. Sash balance. 1,508,863; Sept. 16.

Weinberg, Laurence R., Cleveland, Ohio. Dustproof piano cover. 1,509,009; Sept. 16.

Weiss, Theobald C., Racine, Wis., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electric hair drier. 1,508,735; Sept. 16.

Weisser, Frank L. (See Smith, G. W., and Weisser.)

Welch Mfg. Co., The. (See Verwys, John J., assignor.)

Wellmann, Charles H., et al. (See Wellmann, Louis P., sr., assignor.)

Wellmann, Frances B. V., et al. (See Wellmann, Louis P., sr., assignor.)

Wellmann, Harry E., et al. (See Wellmann, Louis P., sr., assignor.)

Wellmann, Louis P., jr., et al. (See Wellmann, Louis P., sr., assignor.)

Wellmann, Louis P., sr., assignor of one-fourth to F. B. V. Wellmann, one-fourth to C. H. Wellmann, one-fourth to L. P. Wellmann, jr., and one-fourth to H. E. Wellmann, Union Hill, N. J. Riding saddle. 1,508,631; Sept. 16.

Wells, Claud H., Gouverneur, N. Y. Burr. 1,508,430; Sept. 16.

Wenzel, John M., Chicago, Ill. Signaling device. 1,509,010; Sept. 16.

West, John H., Bayswater, London, and A. Jaques, Waterloo, near Liverpool, England. Production of ammonium compounds. 1,508,736; Sept. 16.

Western Electric Company. (See Lundell, Alben E., assignor.)

Western Electric Company. (See Mills, John, assignor.)

Western Electric Company. (See Wier, Harry B., assignor.)

Western States Machine Company, The. (See Roberts, Eugene, assignor.)

Westinghouse Union Battery Company. (See Cook, Thomas R., assignor.)

Weston, Sydney F. (See Adams, Charles, jr., assignor.)

White, Alfred N., Los Angeles, Calif. Coffee percolator. 1,508,809; Sept. 16.

White, Guy, North Tonawanda, N. Y. Thawing automobile radiators. 1,508,864; Sept. 16.

White, John W., assignor to General Motors Corporation, Detroit, Mich. Adjustable brake-band support. 1,508,737; Sept. 16.

Whiteside, James M., Bangor, Ireland. Strut for floor joists. 1,509,011; Sept. 16.

Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for automatic arc welding. 1,508,738; Sept. 16.

Whiting, Robert R., Darien, Conn. Mooring line. 1,509,012; Sept. 16.

Whitley, Henry H. (See Czarev, J. J., Whitley, and Kreuser.)

Whitman, Ray B., assignor to Columbia Phonograph Company, Incorporated, Bridgeport, Conn. Turntable for phonographs. 1,508,632; Sept. 16.

Whitney, Baxter D., & Son, Inc. (See Sawyer, Willard N., assignor.)

Whitworth, Bevill W., Omaha, Nebr. Adjustable window-shade support. 1,508,431; Sept. 16.

Wholey, John F., assignor to Faspray Corporation, New York, N. Y. Washing machine. 1,508,828; Sept. 16.

Widmer Compressor, Inc. (See Shaw, A. D., and Thomas, assignors.)

Wiechert, George A., Howard Beach, and J. E. Judd, assignors to Casting Research, Inc., New York, N. Y. Electric heating device. 1,508,490; Sept. 16.

Wier, Harry B., Plainfield, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Sound recording and reproducing apparatus. 1,508,432; Sept. 16.

Wild, Heinrich, Heerbrugg, Switzerland. Theodolite. 1,508,585; Sept. 16.

Williams, Frank J. (See Work, Edgar L., assignor.)

Williams, George E., Minneapolis, Minn. Wiper cloth for pipe joints. 1,508,865; Sept. 16.

Williams, George E., Minneapolis, Minn. Steam-heated press for shaping wiper cloths. 1,508,866; Sept. 16.

Williams, George E., Minneapolis, Minn. Container for wiper cloths. 1,508,867; Sept. 16.

Williams, Patrick M., Northwilksboro, N. C., assignor to L. Moore Dry Kiln Co., Jacksonville, Fla. Veneer kiln. 1,509,013; Sept. 16.

Willman, Herman V., Maywood, Ill. Shade holder. 1,509,073; Sept. 16.

Willys-Overland Company, The. (See Belden, Edward H., assignor.)

Willys-Overland Company, The. (See Jerdone, Francis, jr., assignor.)

Wilson, James L., Davenport, Iowa. Insulator. 1,509,074; Sept. 16.

Wilson, Walter J., Sewickley, Pa. Mining and loading machine. 1,508,633; Sept. 16.

Wilson, Walter J., Sewickley, Pa. Mining and loading machine. 1,508,634; Sept. 16.

Wines, Carleton H. (See Hosmer, C. C., and Wines.)

Wood, Alfred E., et al. (See Harris, Charles H., assignor.)

Wood, David E., et al. (See Harris, Charles H., assignor.)

Wood, Garfield A., Detroit, Mich. Method and means of preventing salt-water reaction and galvanic action in water-cooled engines. 1,508,906; Sept. 16.

Wood, Henry A. W., New York, and J. A. Isbell, Middletown, N. Y., assignors to Wood Newspaper Machinery Corporation. Web-printing press and drive therefor. 1,508,756; Sept. 16.

Wood Newspaper Machinery Corporation. (See Wood, H. A. W., and Isbell, assignors.)

Wood, Rodney J., Dayton, Ohio. Filing system. 1,508,868; Sept. 16.

Woodbridge, Joseph L., Philadelphia, Pa. Electrolyte-level indicator for storage batteries. 1,508,829; Sept. 16.

Woodham, Raybon C., Montgomery, Ala. Safety blow-off valve. 1,508,635; Sept. 16.

Woods, John W., Winnett, Mont. Oil burner. 1,508,491; Sept. 16.

Work, Edgar L., assignor of one-third to F. J. Williams, Columbus, Ohio. Welder's face shield. 1,508,907; Sept. 16.

Woulf, Charles M., Buffalo, N. Y. Baling press. 1,508,433; Sept. 16.

Wright, Fred, North Chicago, Ill., assignor, by mesne assignments, to Standard Conveyor Company, North St. Paul, Minn. Hoisting machine. 1,508,492; Sept. 16.

Yarnall-Waring Company. (See Chase, Lyle G., assignor.)

Young, Charles M., New Britain, Conn. Illuminated sign. 1,509,014; Sept. 16.

Zahn, Lorenz J., Astoria, N. Y. Violin-bow guide and mute. 1,508,830; Sept. 16.

Zaiser, William, Brooklyn, N. Y., assignor to The Aeolian Company. Cabinet for a radio set. Des. 65,628; Sept. 16.

Zalvidea, Mariano, Manila, P. I. Hemp and piña stripping machine. 1,508,831; Sept. 16.

Zbinden, Herman O., assignor of one-third to J. A. Marquis and one-third to V. E. Graves, Seattle, Wash. Can opener. 1,508,493; Sept. 16.

Zdrodowski, Tadeusz, Pittston, Pa. File sheath. 1,509,015; Sept. 16.

Zimmerschied, Karl W., New York, N. Y., and O. E. Hunt, Detroit, Mich., assignors to General Motors Corporation. Differential mechanism. 1,508,832; Sept. 16.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accumulative brake. H. Kollmann. 1,508,558; Sept. 16.
Accelerator attachment. W. G. Stewart. 1,508,418; Sept. 16.
Advertising device. A. R. P. and C. H. Johnson. 1,508,977; Sept. 16.
Advertising novelty. E. E. Barnes. 1,508,498; Sept. 16.
Aeroplane. W. Leathers. 1,508,604; Sept. 16.
Aeroplane superchargers, Control mechanism for. S. A. Moss. 1,508,707; Sept. 16.
Aeroplane superchargers, Control mechanism for. R. G. Standerwick. 1,508,731; Sept. 16.
Aeroplane wings of variable relative thickness for the purpose of improving their aerodynamic qualities, Construction of. L. Breguet. 1,508,592; Sept. 16.
Aeroplanes, Controlling. L. Breguet. 1,508,591; Sept. 16.
Agitator and lock therefor. C. E. Farrington. 1,508,841; Sept. 16.
Agricultural implement. A. D. Gallagher. 1,508,930; Sept. 16.
Air springs, Chassis connecter for. K. W. Hallden. 1,508,787; Sept. 16.
Airships, Parachute attachment for. I. J. Scallsl. 1,509,032; Sept. 16.
Alarm: *See*—
  Burglar alarm.
Alcohol free from foreign materials, Apparatus for recovering absolute. A. A. Backhaus. 1,508,436; Sept. 16.
Alcohol, Recovering absolute. A. A. Backhaus. 1,508,435; Sept. 16.
Alkalies and alumina, Producing and utilizing. A. H. Cowles. 1,508,777; Sept. 16.
Alloys, Treating chromium iron. J. H. Nead. 1,508,567; Sept. 16.
Aluminum chloride, Manufacture of. G. W. Gray and F. W. Hall. 1,508,451; Sept. 16.
Amalgam mixer. G. E. Cox. 1,508,958; Sept. 16.
Ammonium compounds, Production of. J. H. West. 1,508,736; Sept. 16.
Amusement apparatus. T. D. Hooper, jr. 1,508,453; Sept. 16.
Amusement apparatus. E. O. Norberg. 1,508,714; Sept. 16.
Amusement device. I. N. Beraha. 1,508,439; Sept. 16.
Amusement device. A. Baszin. 1,508,905; Sept. 16.
Attrition-mill separator. J. J. Czarev, H. H. Whitley, and M. Kreuser. 1,509,089; Sept. 16.
Automobile chain fastener. C. M. Henderson. 1,508,517; Sept. 16.
Automobile cranking handle. G. Levesque. 1,508,812; Sept. 16.
Automobile fender. S. G. Fitz Simons. 1,508,652; Sept. 16.
Automobile heater. J. Densley. 1,508,383; Sept. 16.
Automobile radiators, Thawing. G. White. 1,508,864; Sept. 16.
Automobiles and other purposes, Supporting stand for. W. Barber. 1,508,672; Sept. 16.
Automobiles, Auxiliary seat for. A. H. Klatt. 1,508,888; Sept. 16.
Automobiles, Luggage carrier for. E. J. Van Fleet 1,508,904; Sept. 16.
Automobiles, Recoil check for use with. B. H. Anibal 1,508,739; Sept. 16.
Automobiles, Stop signal for. C. Grove. 1,508,693; Sept. 16.
Axle assembling machine. J. E. McBride. 1,508,708; Sept. 16.
Baby's cap. K. Lark. 1,508,702; Sept. 16.
Bag: *See*—
  Feed bag.
Baller bottom. A. Boynton. 1,508,771; Sept. 16.
Baling press. C. M. Woulf. 1,508,433; Sept. 16.
Ball. J. W. Patterson. 1,509,025; Sept. 16.
Bank cage. T. Bond. 1,508,642; Sept. 16.
Bar: *See*—
  Lock bar.
Baseball game. C. Dietrick. 1,508,961; Sept. 16.
Bath hood. W. B. McCoy. Des. 65,614; Sept. 16.
Batteries, Cover seal for storage. H. C. Gillette. 1,508,847; Sept. 16.

Batteries, Electrolyte-level indicator for storage. J. L. Woodbridge. 1,508,829; Sept. 16.
Battery: *See*—
  Storage battery.
Battery cell and case, Electric-storage. H. G. Wagner. 1,508,428; Sept. 16.
Battery construction, Electric-storage. H. G. Wagner. 1,508,427; Sept. 16.
Battery of dry cells and assembling the same. C. S. Rider and A. K. Huntley. 1,508,987; Sept. 16.
Bead for jewelry. H. F. Juergens. 1,508,887; Sept. 16.
Beams, Attachment for walking. W. D. Giles. 1,508,846; Sept. 16.
Bearing, Adjustable thrust. L. T. Hunter. 1,508,883; Sept. 16.
Bearing, Adjustable thrust. A. P. C. Schramm. 1,508,824; Sept. 16.
Bearing for bicycle pedals, etc., Antifriction. H. W. Batcheller. 1,508,438; Sept. 16.
Bearing for cableways, Self-aligning. D. R. Knapp. 1,508,454; Sept. 16.
Bearing, Thrust. G. S. Neeley. 1,508,815; Sept. 16.
Bearing, Type-bar ball. G. Alchele. 1,508,908; Sept. 16.
Bed, Convertible. S. Nicolosi. 1,508,406; Sept. 16.
Belt, Metal. A. E. Somesson. 1,508,481; Sept. 16.
Bicycle, F. M. and H. M. Sisk. 1,508,621; Sept. 16.
Binder, Loose-leaf. H. M. Kehn. 1,508,849; Sept. 16.
Binders, Spreading device for. L. E. Hill. 1,508,695; Sept. 16.
Bird guard and antiblind rattler. C. Stoeffler. 1,508,902; Sept. 16.
Biscuit-cutting machine. G. B. Pertuiset. 1,508,935; Sept. 16.
Bismuth salts of mercurated organic compounds containing an acid residue and the products obtainable therefrom, Preparing. W. Kolle, H. Bauer, and E. Maschmann. 1,508,603; Sept. 16.
Bit: *See*—
  Drill bit.
Block: *See*—
  Traveling block.
Blowtorch. M. Kell and W. Connare. 1,508,698; Sept. 16.
Board: *See*—
  Wall board.
Bobbin for feeler mechanisms. C. A. Pierce. 1,508,472; Sept. 16.
Bobbins, Bunch builder for. W. N. Heath. 1,508,934; Sept. 16.
Book cover. J. Schade. 1,508,820–1; Sept. 16.
Book, Scratch-pad filler. J. Schade. 1,508,823; Sept. 16.
Boots and shoes, Machine for use in the lasting of. E. Brothers and W. E. Scarlett. 1,508,593; Sept. 16.
Bottling machine, Milk. G. Strandt. 1,508,903; Sept. 16.
Box: *See*—
  Electric box.
  Journal box.
  Mail box.
  Pilferproof box.
  Signal box.
Box dump. C. N. Alderman. 1,508,946; Sept. 16.
Box shooks, Machine for making. H. A. Gale and O. S. Cook. 1,508,748; Sept. 16.
Brace: *See*—
  Folding brace.
Bracelet hook. J. E. Potter. 1,508,612; Sept. 16.
Bracket: *See*—
  Ladder bracket.
  Transmission-band bracket.
  Wheel-securing bracket.
Brake: *See*—
  Accumulative brake.
  Wagon brake.
Brake-actuating mechanism. H. M. Robertson. 1,508,412; Sept. 16.
Brake adjuster. T. C. Benish. 1,508,764; Sept. 16.
Brake-band support, Adjustable. J. W. White. 1,508,737; Sept. 16.
Brick-machine mold. J. P. Martin. 1,509,079; Sept. 16.
Bridle-wire support or bracket. H. W. Bleister. 1,508,721; Sept. 16.
Brush and weed cutter, Adjustable. W. Dryer. 1,508,966; Sept. 16.
Bucket. F. H. and F. S. Beach. 1,508,639; Sept. 16.
Buckle, Belt. H. Dorf. 1,508,963; Sept. 16.
Buckle, Belt. S. M. Riker. 1,508,411; Sept. 16.
Building, Sheet-metal. H. Bloedow. 1,508,871; Sept. 16.

Bundle carrier. G. W. Kueber. 1,509,045; Sept. 16.
Burr. C. H. Wells. 1,508,430; Sept. 16.
Burglar alarm. A. J. Parissi. 1,508,611; Sept. 16.
Burner: *See*—
  Liquid-fuel burner.
  Oil burner.
Burner cap, Regulating. H. C. Caldwell. 1,508,873; Sept. 16.
Butter from milk oil, Making. C. E. North. 1,509,086–8; Sept. 16.
Butter, Imperishable. C. E. North. 1,509,082; Sept. 16.
Button. W. Tuxhorn. 1,508,426; Sept. 16.
Cabinet, Dispensing. M. M. Marcuse. 1,509,048; Sept. 16.
Cage, Bird. C. Litschgi. 1,508,458; Sept. 16.
Calcining furnace. E. A. Hults. 1,508,555; Sept. 16.
Calculating machines, Means for attaching cranks to. V. J. Odhner. 1,508,752; Sept. 16.
Cameras, Winding key for. C. A. Bornmann, jr. 1,508,589; Sept. 16.
Can: *See*—
  Liquid-dispensing can.
Can opener. F. Dahlin. 1,508,960; Sept. 16.
Can opener. H. O. Zbinden. 1,508,493; Sept. 16.
Car construction. H. S. Hart. 1,508,549; Sept. 16.
Car construction, Dump. D. Hindahl. 1,508,351; Sept. 16.
Car control. G. N. and A. M. Simpson. 1,508,998–9; Sept. 16.
Car-door construction. J. W. McNeice. 1,509,053; Sept. 16.
Car, Dump. D. Hindahl. 1,508,550; Sept. 16.
Car, Dumping. M. A. Caudle. 1,508,645; Sept. 16.
Car-holding mechanism, Automatic. G. N. and A. M. Simpson. 1,508,997; Sept. 16.
Car, Mine. J. A. Hebb and W. J. McDade. 1,508,971; Sept. 16.
Cars, Combined bumper and winch for motor. W. C. Nabors. 1,508,750; Sept. 16.
Carbureted water gas, Manufacturing. G. W. Smith and F. L. Weisser. 1,508,807; Sept. 16.
Carbureter. J. W. Swan. 1,508,626; Sept. 16.
Carburetors, Air control for. C. E. Cawley. 1,508,922; Sept. 16.
Carburetors, Hot-air pipe for. W. A. Baker. 1,508,437; Sept. 16.
Cardboard, Tool for scoring. J. I. Nasmith. 1,508,709; Sept. 16.
Card holder. C. T. Goewey. 1,508,692; Sept. 16.
Card, Noncombustible visiting. F. W. Trabold. 1,508,733; Sept. 16.
Card-table covers, Self-adjusting clamp for. F. E. Brokaw. 1,508,643; Sept. 16.
Carpenter's table. P. Keller. 1,508,979; Sept. 16.
Carpet sweepers, Cleaner for brushes. T. Dickinson. 1,508,542; Sept. 16.
Carriage-cooking device. W. J. Bingen and H. W. Olsen. 1,508,500; Sept. 16.
Carrier: *See*—
  Bundle carrier.
  Luggage carrier.
Case: *See*—
  Show case.
  Vanity case.
  Table case.
Cash registers, calculating machines, or the like, Coupling device for. E. Breitling. 1,508,953; Sept. 16.
Casket, Burial. J. Cassel. 1,508,745; Sept. 16.
Caster. W. F. Herold. 1,508,880; Sept. 16.
Castings, Method of and apparatus for making. J. Kraglund, C. H. Duckworth, and M. Stern. 1,508,889; Sept. 16.
Castings of aluminum alloys, Making. Z. Jeffries and R. S. Archer. 1,508,556; Sept. 16.
Catamenial sack or napkin holder. A. Brand. 1,508,740; Sept. 16.
Cellulose manufacture. F. C. Thornley, F. F. Tapping, and O. Reynard. 1,509,034; Sept. 16.
Cementing machine. W. P. Osgood. 1,508,469; Sept. 16.
Centrifugals, Brake for gyratory. E. Roberts. 1,508,577; Sept. 16.
Chain. S. Trood. 1,508,670; Sept. 16.
Chain, Detachable. J. T. Nicholson. 1,508,854; Sept. 16.
Chair. E. Findley. 1,508,388; Sept. 16.
Chair. L. H. Junker. 1,508,697; Sept. 16.
Chart, Color. N. A. Ross. 1,508,988; Sept. 16.
Chocolates, Mold for use in the manufacture of. A. A. Ballatore. 1,508,496; Sept. 16.
Chromium or alloys of chromium, Producing. B. M. S. Kalling and S. D. Daniell. 1,508,557; Sept. 15.
Chuck, Automatic gripping and releasing. L. O. Hardwicke. 1,509,061; Sept. 16.
Chute guard. R. Balmer. 1,508,497; Sept. 16.
Cigar-holding device. L. C. Furton. 1,508,514; Sept. 16.
Cigar lighter. S. E. Guinn. 1,508,600; Sept. 16.
Clamp: *See*—
  Glass inspection clamp.
  Ground clamp.
  Tympan clamp.
  Work-holding clamp.
Clamp. E. E. Noble. 1,509,022; Sept. 16.
Clay-forming die. D. Brown. 1,508,773; Sept. 16.
Cleaner: *See*—
  Switch cleaner.
  Vacuum cleaner.
Cleaner and tamper, Combination. J. Phillips. 1,509,028; Sept. 16.
Clinker remover. A. Boesrup. 1,508,641; Sept. 16.
Clip: *See*—
  Collar-fastening clip.
Clip. E. Pons. 1,508,475; Sept. 16.
Cloth or sheet stretching mechanism and process. S. Birch. 1,508,501; Sept. 16.
Clothespin. A. G. Simonson. 1,508,619; Sept. 16.
Clothes wringer. A. R. Jones. 1,508,602; Sept. 16.
Clutch release, Automatic. W. P. Fitzgerald. 1,508,842; Sept. 16.
Coal and other substances, Apparatus for the distillation of. A. Rühr. 1,508,578; Sept. 16.
Collar-fastening clip. S. B. Lavick. 1,508,891; Sept. 16.
Collars, Supporting rack for. A. O. Johnson. 1,509,069; Sept. 16.
Combination lock. G. A. Anderson. 1,508,948; Sept. 16.
Compass. A. P. Davis. 1,508,875; Sept. 16.
Compressor. A. D. Shaw and J. R. Thomas. 1,508,805; Sept. 16.
Concrete construction, Form structure for. J. A. Taggart. 1,508,422; Sept. 16.
Condenser-efficiency gauge. A. E. L. Scanes. 1,509,033; Sept. 16.
Condenser, Variable. J. W. Cornelius. 1,508,647; Sept. 16.
Containers, Attachable and removable cap for merchandise. W. A. Evalenko. 1,508,878; Sept. 16.
Cooking utensil. H. G. Pfaehler and C. J. Marks. 1,508,817; Sept. 16.
Core, Collapsible. H. A. Denmire. 1,509,058; Sept. 16.
Cork-packing machine. M. Ellrich. 1,508,782; Sept. 16.
Cotton, wool, or the like, Machine for combing. J. Horridge. 1,508,552–3; Sept. 16.
Coupler. E. C. Post. 1,508,408; Sept. 16.
Coupler-release rigging. S. H. Campbell. 1,508,379–81; Sept. 16.
Cover. G. Sundback. 1,508,419; Sept. 16.
Crank-case construction. V. W. Page. 1,509,023; Sept. 16.
Cream, Churning. C. E. North. 1,509,084; Sept. 16.
Cream, Whipping reconstructed. C. E. North. 1,509,085; Sept. 16.
Crushing rolls. F. J. Straub. 1,509,005; Sept. 16.
Crutch, Adjustable. E. P. Gayetty. 1,508,686; Sept. 16.
Curtain rod. G. A. Carlson. 1,508,920; Sept. 16.
Curtain rod. C. Saltenberger. 1,508,579; Sept. 16.
Curtain, Window. E. H. Angier. 1,508,759; Sept. 16.
Cushion seat. P. J. Schoenhoff. 1,508,859; Sept. 16.
Cut-off mechanism. L. K. Davis. 1,508,445; Sept. 16.
Cutter: *See*—
  Brush and weed cutter.
Cutter. A. Astrup. 1,508,869; Sept. 16.
Cycle frame. H. W. Turner. 1,508,826; Sept. 16.
Cylinder-reboring machine. F. T. Flinchbaugh. Re15,916; Sept. 16.
Dental appliance. H. T. Hyams. 1,509,041; Sept. 16.
Die: *See*—
  Clay-forming die.
Differential mechanism. K. W. Zimmerschied and O. E. Hunt. 1,508,832; Sept. 16.
Directory rack. J. R. Dumont. 1,508,779; Sept. 16.
Dishwasher. E. W. Bacharach. 1,508,495; Sept. 16.
Dispensing device. C. H. Bennett. 1,508,952; Sept. 16.
Display holder. H. C. Naterman. 1,508,523; Sept. 16.
Ditching, grading, and back-filling machine. C. N. Taylor. 1,508,627; Sept. 16.
Doll, Walking. L. M. Butterfield. 1,508,956; Sept. 16.
Door handle. L. W. Gates. 1,508,784; Sept. 16.
Door holder. J. Nemec. 1,508,466; Sept. 16.
Door, Overhead. O. L. Dautrick, C. G. Johnson, and A. Kraska. 1,508,886; Sept. 16.
Door swing. L. F. Schoelkopf. 1,508,580; Sept. 16.
Double-pole double-throw switch. C. O. Burton. 1,508,442; Sept. 16.
Drag, Road. R. Coon. 1,509,081; Sept. 16.
Drier: *See*—
  Hair drier.
  Sheet-material drier.
Drill bit. W. G. Christian. 1,508,443; Sept. 16.
Drill pipe slip, Rotary. C. C. Hosmer and C. H. Wines. 1,508,882; Sept. 16.
Drilling apparatus, Well. R. E. Leonard. 1,508,704; Sept. 16.
Drum pedal, Double-action bass. W. D. Gladstone and E. Kun. 1,508,390; Sept. 16.
Drum, Reversible. A. H. Skaer, T. E. Barker, and O. E. Clark. Re15,917; Sept. 16.
Dust from grain elevators, Device for removing. R. L. Dowdall. 1,508,682; Sept. 16.
Dust-preventing device. J. Tacoma and C. de Vleeschouwer. 1,508,583; Sept. 16.
Dyestuff. H. F. Raeder and W. Mieg. 1,508,409; Sept. 16.
Eggs, Artificially incubating. F. L. Moll. 1,508,851; Sept. 16.
Electric accumulators, Negative plate for. A. Pouchain. 1,508,613; Sept. 16.
Electric appliances, Adjustable support for. J. C. Herron. 1,509,068; Sept. 16.
Electric box. E. Niederman and M. J. Krinsky. 1,508,666; Sept. 16.
Electric switch. I. Allen. 1,508,636; Sept. 16.
Electric-time switch. J. Pfretzschner. 1,509,026; Sept. 16.
Electrical attachment plug. L. Pollock. 1,508,474; Sept. 16.

Electrical circuits, Vibrator assembly for. J. Galamb. 1,508,389; Sept. 16.
Electrical connecter device. R. B. Benjamin and C. E. Warner. 1,508,766; Sept. 16.
Electrically-heated receptacle and hot plate. A. L. Harrington. 1,508,452; Sept. 16.
Electrode holder. E. B. Thomas. 1,509,006; Sept. 16.
Electrolytic apparatus. W. G. Allan. 1,508,758; Sept. 16.
Elevator door and the like. W. B. Gervais. 1,508,515; Sept. 16.
Engine: *See*—
Internal-combustion engine.
Engine. A. L. Powell. 1,508,614; Sept. 16.
Engine-fuel regulation. W. T. Price. 1,508,722; Sept. 16.
Engines, Fuel economizer for explosive. L. W. Miller and I. C. Duvall. 1,509,017; Sept. 16.
Engines, Fuel preheating attachment for internal-combustion. L. T. Sicka. 1,508,943; Sept. 16.
Engines, Liquid-fuel-supply device for internal-combustion or like. O. Siefert. 1,508,618; Sept. 16.
Engines, Lubricating system for. E. H. Belden. 1,508,914; Sept. 16.
Engines, Method and means of preventing salt-water reaction and galvanic action in water-cooled. G. A. Wood. 1,508,906; Sept. 16.
Envelope, Duplex. J. Sawdon. 1,508,819; Sept. 16.
Envelope-fastener-attaching machine. A. Novick. 1,508,467; Sept. 16.
Escapement mechanism. G. Aichele. 1,508,909; Sept. 16.
Ether air free, Rendering. E. Mallinckrodt, jr. 1,508,563; Sept. 16.
Excavating machine. C. E. Parker. 1,508,573; Sept. 16.
Excavator. J. W. Kreuser. 1,508,521; Sept. 16.
Exercising and spine-stretching apparatus. M. Mikalsen. 1,508,892; Sept. 16.
Extractor: *See*—
Honey extractor.
Fabric and article. C. Dreyfus. 1,508,840; Sept. 16.
Fastening-inserting machine. C. H. Hoyt. 1,508,394; Sept. 16.
Feed bag. G. Doutney. 1,508,964; Sept. 16.
Fencepost. A. Angeli. 1,508,950; Sept. 16.
Fender: *See*—
Automobile fender.
Fertilizing composition. R. H. Hoover. 1,509,062; Sept. 16.
Figure, Mobile. G. W. Page. 1,508,717; Sept. 16.
File sheath. T. Zdrodowski. 1,509,015; Sept. 16.
Filing system. R. J. Wood. 1,508,868; Sept. 16.
Film developing, fixing, and drying frame. J. O. Allen. 1,508,947; Sept. 16.
Film hanger, Developing-. G. D. Pappajion. 1,508,804; Sept. 16.
Filter. W. Noles. 1,508,751; Sept. 16.
Filter for irrigation, Trap. C. W. Skinner. 1,508,480; Sept. 16.
Flag receptacle. A. V. Kelly. 1,508,980; Sept. 16.
Flash-light attachment. F. J. Schmidt. 1,508,990; Sept. 16.
Floor joists, Strut for. J. M. Whiteside. 1,509,011; Sept. 16.
Flow meter, Diagonal-. L. G. Chase. 1,508,677; Sept. 16.
Flying machine. G. Caproni. 1,508,774–5; Sept. 16.
Flying machine. J. E. Kemph. 1,508,520; Sept. 16.
Folding brace. E. E. McGrew. 1,508,803; Sept. 16.
Footwear, Cleat for athletic. J. R. Richards. 1,508,533; Sept. 16.
Frame: *See*—
Cycle frame. Hand-bag frame.
Friction clutch. C. H. Dooley. 1,508,747; Sept. 16.
Fruit gatherer. R. H. Siefken. 1,508,728; Sept. 16.
Fruit-picking device. A. Hermundson. 1,508,972; Sept. 16.
Fruits, vegetables, etc., Grader for. H. A. Sheldon. 1,508,416; Sept. 16.
Fuel saver and smoke consumer. I. S. Benjamin and J. K. Markwick. 1,508,539; Sept. 16.
Furnace: *See*—
Calcining furnace. Incinerator furnace.
Furnace front. E. H. Peabody. 1,508,719; Sept. 16.
Furnaces and the like, Grinder mechanism for boiler. A. Lotz, C. J. Davidson, and W. J. Kenney. 1,508,562; Sept. 16.
Furnaces, Device for introduction of the electrodes in electric. F. Tharaldsen. 1,508,486; Sept. 16.
Furnaces, Discharging device for electric. C. T. Thorssell and E. C. Beck-Frils. 1,509,007; Sept. 16.
Furnaces of steam generators and other furnaces, Method of and apparatus for firing the. J. A. Hill. 1,508,393; Sept. 16.
Fuse for projectiles. J. H. Goss. 1,508,450; Sept. 16.
Fuse plug, Renewable. S. Kubiak. 1,508,402; Sept. 16.
Fuse, Safety. O. Dreyer. 1,508,839; Sept. 16.
Game apparatus. J. C. Dolgonas. 1,508,838; Sept. 16.
Garment, Combination. N. Hatch. 1,508,933; Sept. 16.
Garment form. C. A. Ufford. 1,508,734; Sept. 16.
Garment of female wear, Supporter for an inner. G. B. Mershon, jr. 1,509,016; Sept. 16.
Garment retainer. A. W. Crown. 1,508,648; Sept. 16.
Gas from liquid in a cold state, Apparatus for producing. J. Kobut. 1,508,399; Sept. 16.
Gases, Method and means for separating. E. N. Mazza. 1,508,405; Sept. 16.
Gate: *See*—
Vehicle-operated gate.
Gearing. F. Mathews. 1,508,564; Sept. 16.
Gearing, Variable velocity-ratio. F. J. Healey. 1,508,879; Sept. 16.
Gears, Forming ring. J. J. Findlater. 1,508,387; Sept. 16.
Generator drive. H. M. Ainsworth. 1,508,945; Sept. 16.
Generators, Combined regulator and fuse for. F. Allison. 1,508,377; Sept. 16.
Glareshield. G. W. Powell, J. L. Smith, and H. E. Dixon. 1,508,530; Sept. 16.
Glass. C. A. Kraus. 1,508,455; Sept. 16.
Glass-grinding machinery. E. T. Brown. 1,508,378; Sept. 16.
Glass inspection clamp, Plate-. G. W. Oakes. 1,508,468; Sept. 16.
Glass surfaces, Runner for grinding curved-. A. F. Johnston. 1,508,396; Sept. 16.
Glider. F. C. Morton. 1,509,018; Sept. 16.
Grader, Road. L. B. Evans. 1,508,683; Sept. 16.
Grading or sorting machine. W. A. and L. E. Contant. 1,508,835; Sept. 16.
Grass-edge trimmer or cutter. G. F. Bull. 1,508,505; Sept. 16.
Grinder, Knife. T. C. Sheehan. 1,508,727; Sept. 16.
Grinding machine. A. M. Drake. 1,508,965; Sept. 16.
Grinding-wheel dresser. M. O. Reeves. 1,508,939; Sept. 16.
Ground clamp. W. G. Lenz. 1,508,456; Sept. 16.
Gun construction. A. and S. F. Legett. 1,508,605; Sept. 16.
Guns, searchlights, or other apparatus, System for adjusting at a distance. P. Kamluski. 1,508,796; Sept. 16.
Hair clippers. W. L. Jordan. 1,508,397; Sept. 16.
Hair drier, Electric. T. C. Weiss. 1,508,735; Sept. 16.
Hair tonic, Vegetable. F. P. Giannandrea. 1,508,785; Sept. 16.
Hair-waving device, Permanent-. G. G. Campana. 1,508,675; Sept. 16.
Hammer and handle assembly. H. Christensen. 1,508,874; Sept. 16.
Hand-bag frame. S. Mosciekl. 1,509,019; Sept. 16.
Handle: *See*—
Automobile-cranking handle. Door handle.
Hanger: *See*—
Film hanger. Screen hanger.
Hardy, Double. J. A. Browne. 1,508,674; Sept. 16.
Hasp. S. A. Drake. 1,508,384; Sept. 16.
Hat-brim-curling apparatus. S. J. Miller. 1,508,802; Sept. 16.
Head measure. M. Perkins-Kelly. 1,508,811; Sept. 16.
Head meter. G. A. Horne. 1,508,519; Sept. 16.
Heat regulator. A. F. Erickson. 1,508,511; Sept. 16.
Heater: *See*—
Automobile heater. Water heater.
Heaters, Guard for electric. A. T. Smith. Des. 65,618; Sept. 16.
Heating device, Electric. G. A. Wiechert and J. E. Judd. 1,508,490; Sept. 16.
Heating system. J. C. Hornung. 1,508,792; Sept. 16.
Heating system, Hot-air. J. C. Miles. 1,508,813; Sept. 16.
Heel for boots and shoes. J. de S. Brown. 1,508,504; Sept. 16.
Hemp and pina stripping machine. M. Zalvidea. 1,508,831; Sept. 16.
Hoisting and dumping apparatus. G. N. and A. M. Simpson. 1,508,996; Sept. 16.
Hoisting machine. F. Wright. 1,508,492; Sept. 16.
Hoisting plants, Loading and unloading gear for. F. M. Castleman. 1,508,921; Sept. 16.
Honey extractor. G. L. Emerson. 1,509,036; Sept. 16.
Hook: *See*—
Bracelet hook. Swivel hook.
Hook and eye, Double-locking. W. C. Soule. 1,509,002; Sept. 16.
Hoop-making machine. R. H. Norton and W. C. Fork. 1,508,570; Sept. 16.
Hosiery exhibitor. F. J. Steiger. Des. 65,619; Sept. 16.
Humidifier. G. F. Oister. 1,508,855; Sept. 16.
Ice-cream-cutting machine. H. H. Doering. 1,508,778; Sept. 16.
Ice-cream scoop. E. E. Bidwell. 1,508,915; Sept. 16.
Ice-making machine. T. Blair. 1,508,440; Sept. 16.
Igniter, Coal. J. T. C. Lombardi. 1,508,403; Sept. 16.
Ignition apparatus for internal-combustion engines, Fuel-. W. Riehm. 1,508,476; Sept. 16.
Illuminating and time-indicating means, Combined. C. E. Dressler. 1,508,876; Sept. 16.
Impact or percussive tool of the explosion-motor type. C. S. Somervell. 1,508,623; Sept. 16.
Implement handle and insert thimble. H. S. Isham. 1,508,395; Sept. 16.
Incinerator furnace. J. A. Burnett. 1,508,918; Sept. 16.
Indicating meter. T. H. Kerr. 1,509,065; Sept. 16.
Ingots, Forming. E. Gathmann. 1,508,931; Sept. 16.
Ink bottles for draftsmen. H. Rottenburg. 1,508,535; Sept. 16.
Insecticides, Apparatus for applying. H. F. Kuehn. 1,508,749; Sept. 16.
Insole and making same. G. E. Warren. 1,508,429; Sept. 16.
Insulator. J. L. Wilson. 1,509,074; Sept. 16.
Internal-combustion engine. H. C. Hanson. 1,508,848; Sept. 16.

Internal-combustion engine. K. J. E. Hesselman. 1,508,656; Sept. 16.
Ironing machines, Reversing mechanism for. C. N. Sing. 1,508,620; Sept. 16.
Joint: *See*—
Universal joint.
Joint-tightening device. C. R. Sandstrom. 1,509,031; Sept. 16.
Jointers, Safety device for. A. Flohr. 1,508,685; Sept. 16.
Journal box. F. C. Coseo. 1,508,506; Sept. 16.
Key. A. Klay. 1,508,798; Sept. 16.
Key retainer. M. J. O'Neill. 1,508,571; Sept. 16.
Kiln, Veneer. P. M. Williams. 1,509,013; Sept. 16.
Knife, Paring. O. C. Terrell. 1,508,628; Sept. 16.
Knife protector. G. E. Chatillon. 1,508,382; Sept. 16.
Ladder bracket. W. M. Heun. 1,508,392; Sept. 16.
Lamp, Automobile. C. J. Kuntz and E. A. Laurent. 1,508,659; Sept. 16.
Lamp casing, Direction-signal-. E. C. Gire. Des. 65,602; Sept. 16.
Lamp socket, Plural. R. B. Benjamin. 1,508,765; Sept. 16.
Lamp, Vehicle. T. J. Kerwin. 1,509,070; Sept. 16.
Lamps, Adjustable mounting for. E. W. Seaholm. 1,508,896; Sept. 16.
Last. A. Godfrey. 1,509,038–9; Sept. 16.
Last, Hollow metal. W. Sandborg and E. V. Granlund. 1,508,858; Sept. 16.
Latch. J. T. Cantrell. 1,508,540; Sept. 16.
Lathe-tool mechanism. W. E. Ingham. 1,508,794; Sept. 16.
Lathes, Chuck for jewelers'. J. E. Stewart. 1,509,057; Sept. 16.
Lathes, Tailstock for multiple-spindle. Z. L. Litvinas. 1,508,662; Sept. 16.
Leash harness for dogs. G. Huff. 1,508,601; Sept. 16.
Leather or for other suitable purposes and manufacturing same, Composition of matter for use in lieu of. W. Stocks. 1,508,899; Sept. 16.
Leer feeder. W. H. Johnson. 1,509,063–4; Sept. 16.
Legumes or seeds of the bean family by low-temperature cooking, Preparing. C. B. Trescott. 1,508,862; Sept. 16.
Lever switch. E. S. Preston. 1,509,071; Sept. 16.
Life raft. H. E. Hodgson. 1,508,881; Sept. 16.
Lighting fixture. C. A. B. Halvorson, jr. Des. 65,603; Sept. 16.
Lighting system, Automobile. H. P. J. Earnshaw. 1,508,385; Sept. 16.
Lighting unit. C. A. B. Halvorson, jr. Des. 65,604; Sept. 16.
Lignite and producing the same, Dehydrated. E. P. Schoch. 1,508,617; Sept. 16.
Lining, Sleeve. S. Cohen. 1,508,834; Sept. 16.
Link, Fusible. C. Adams, jr. 1,508,376; Sept. 16.
Liquid-dispensing can. E. D. Ranck. 1,508,410; Sept. 16.
Liquid fuel, Apparatus for burning. E. H. Peabody. 1,508,718; Sept. 16.
Liquid-fuel burner. J. Beatham. 1,508,763; Sept. 16.
Liquid-fuel burner. H. W. Miller. 1,509,066; Sept. 16.
Liquid-fuel burner. A. T. Sprowl. 1,508,730; Sept. 16.
Liquid in a tank, Method and apparatus for indicating the level of. L. Guichard. 1,508,969; Sept. 16.
Liquid, Method and apparatus for treating. J. R. McDermet. 1,508,985; Sept. 16.
Loader. E. C. Pratt. 1,508,856–7; Sept. 16.
Loading system. J. Mills. 1,508,565; Sept. 16.
Lock: *See*—
Combination lock. Steering-wheel lock.
Lock. C. J. Prinzler. 1,508,668; Sept. 16.
Lock bar, Burglarproof. E. R. Cain and A. F. Stone. 1,508,919; Sept. 16.
Locks of all kinds. F. W. Mews. 1,508,706; Sept. 16.
Locks, Push button for operating rotary-tumbler. E. A. Hill. 1,508,518; Sept. 16.
Loom, Beadwork. W. A. Polda. 1,508,818; Sept. 16.
Loom, Hand. A. N. Shook. 1,508,942; Sept. 16.
Looms for weaving, Shuttle for. R. Standring. 1,508,537; Sept. 16.
Luggage carrier. G. A. Roth. 1,508,989; Sept. 16.
Mail box. H. Miller. 1,508,801; Sept. 16.
Metal strip or similar article of manufacture. D. Stoll. Des. 65,620; Sept. 16.
Metallic structures, Method of and apparatus for repairing. R. Mattice. 1,508,800; Sept. 16.
Meter: *See*—
Flow meter. Indicating meter.
Head meter.
Meter. P. C. and A. J. Pocock. 1,508,937; Sept. 16.
Milk, Imperishable. C. E. North. 1,509,083; Sept. 16.
Milling machine, Skip-feed. G. D. Sundstrand. 1,508,825; Sept. 16.
Mining and loading machine. W. J. Wilson. 1,508,633–4; Sept. 16.
Mixer: *See*—
Amalgam mixer. Shower mixer.
Moisture in paper or textiles, Instrument for the automatic determination of. A. R. Harvey. 1,508,516; Sept. 16.
Mold: *See*—
Brick-machine mold.
Molding machine. T. H. Seely. 1,508,415; Sept. 16.
Molybdenum and molybdenum compounds, Producing. G. D. Van Arsdale and R. T. and H. A. Sill. 1,508,629; Sept. 16.
Mooring line. R. R. Whiting. 1,509,012; Sept. 16.
Mop. W. Severns. 1,508,941; Sept. 16.
Mop head and detachable connection therefor. D. L. Silver. 1,508,995; Sept. 16.
Mopstick head. B. L. Conchar. 1,508,925; Sept. 16.
Motor-control system. H. L. Blood. 1,508,770; Sept. 16.
Multiplying machine. G. M. Bacon. 1,508,762; Sept. 16.
Muzzle, Grazing. F. D. Arnold. 1,508,913; Sept. 16.
Nail, Plasterer's. G. F. Voight. 1,508,630; Sept. 16.
Nasal inhaler. M. A. Lasseaux. 1,508,890; Sept. 16.
Nest, Egg-recording. W. Middelman. 1,508,463; Sept. 16.
Nightgown, Baby's. S. M. Moses. 1,508,852; Sept. 16.
Nippers, Pig-tooth. R. W. Bruene. 1,508,741; Sept. 16.
Nozzle. H. B. Sherman and F. Hanlan. 1,508,993; Sept. 16.
Oil burner. J. R. Watts. 1,509,072; Sept. 16.
Oil burner. J. W. Woods. 1,508,491; Sept. 16.
Oil burner, Downdraft. O. Falkenwalde. 1,508,684; Sept. 16.
Oil-burning colony brooder. P. S. Martin. 1,509,050; Sept. 16.
Oil from oil sands, Apparatus for separating. N. S. Clarke. 1,508,923; Sept. 16.
Oil wells and similar purposes, Plug for. B. E. Parrish 1,508,526; Sept. 16.
Oiling device, Spring-. M. F. Moore. 1,508,608; Sept. 16.
Oils, Process of and apparatus for treating. R. W. Bissell. 1,508,769; Sept. 16.
Operating control device. E. J. Martel. 1,508,607; Sept. 16.
Ore bins, Gate-operating device for. J. H. Ledebuer. 1,508,560; Sept. 16.
Ore-concentration process. W. A. Scott. 1,508,478; Sept. 16.
Ore with nitrates, Treatment of sulphide. G. N. Libby. 1,508,561; Sept. 16.
Oven side walls, Forming. F. W. Moffat. 1,508,566; Sept. 16.
Oven wall. C. F. Mayer. 1,508,462; Sept. 16.
Packaging machines, Pasting device for. E. G. Kerlin. 1,508,981; Sept. 16.
Paper, Box-cover. W. P. Johnson. Des. 65,606; Sept. 16.
Paper pulp and the like, Machine for straining. J. Paramor. 1,509,024; Sept. 16.
Parcel-delivery system. W. F. Shyler. 1,508,994; Sept. 16.
Pen, Fountain. J. M. Wallace. 1,509,008; Sept. 16.
Pencil. C. N. Johnson. 1,508,795; Sept. 16.
Pencil, Magazine. M. Alland. 1,508,375; Sept. 16.
Percolator, Coffee. A. N. White. 1,508,809; Sept. 16.
Petroleum products with clay, Bleaching. C. W. Stratford. 1,508,625; Sept. 16.
Pharmaceutical product. W. Kropp and L. Taub. 1,508,401; Sept. 16.
Phonograph. M. L. Ord. 1,508,986; Sept. 16.
Phonograph, Automatic. M. L. Ord. 1,508,572; Sept. 16.
Phonograph stop. G. L. Ardery. 1,508,760; Sept. 16.
Phonograph turntable. R. B. Whitman. 1,508,632; Sept. 16.
Phonographs, Driving mechanism for. L. P. Valiquet. 1,508,827; Sept. 16.
Photographic-film package. C. S. Forbes. 1,508,447; Sept. 16.
Photographic film while exposure is being made, Masking. L. F. Douglass. 1,508,509; Sept. 16.
Photography, Color. P. D. Brewster. 1,508,916; Sept. 16.
Piano cover, Dustproof. L. R. Weinberg. 1,509,009; Sept. 16.
Picture machine, Moving-. G. W. Bingham. 1,508,673; Sept. 16.
Pilferproof box. J. L. Hood. 1,508,657; Sept. 16.
Pipe holder. M. S. Lignoski. 1,508,661; Sept. 16.
Pipe-recovering device. J. M. Spitler. 1,508,417; Sept. 16.
Pipes and the like, Coupling for drain. J. F. and H. K. Neidig. 1,509,021; Sept. 16.
Piston. A. Taub. 1,508,861; Sept. 16.
Piston ring. F. H. Funchess. 1,508,929; Sept. 16.
Plant, Artificial. C. Schuster. Des. 65,617; Sept. 16.
Plastic bodies, Method and apparatus for installing inserts in. H. C. Foster. 1,508,545; Sept. 16.
Plastic containing cellulose acetate. H. Dreyfus. 1,508,928; Sept. 16.
Plate or similar article. H. Leymarie. Des. 65,607–13; Sept. 16.
Plate-shaving machine. W. A. Field. 1,508,513; Sept. 16.
Platform. F. H. Smith. 1,508,898; Sept. 16.
Pliers. C. S. Edwards. 1,508,510; Sept. 16.
Pliers. S. E. Gilley. 1,508,687; Sept. 16.
Plow, Lister. R. J. Altgelt. 1,508,912; Sept. 16.
Plug cluster. R. B. Benjamin and C. E. Warner. 1,508,767; Sept. 16.
Pneumatic apparatus. S. E. Hales. 1,508,654; Sept. 16.
Power mechanism. G. N. Simpson. 1,509,000; Sept. 16.
Power-operated machines, Driving mechanism for. E. Erickson. 1,508,386; Sept. 16.
Press: *See*—
Baling press. Trousers and like press.

Press for cutting or punching sheet material. G. C. Hill. 1,508,790; Sept. 16.
Presses, Yieldable pitman for jumper. H. Ehrlich. 1,508,781; Sept. 16.
Printing apparatus, Work support for. A. L. Gray. 1,508,932; Sept. 16.
Printing mechanism. W. P. Quentell. 1,508,532; Sept. 16.
Printing press and drive therefor, Web-. H. A. W. Wood and J. A. Isbell. 1,508,756; Sept. 16.
Protecting device. C. F. Kettering. 1,508,700; Sept. 16.
Pump, Air lift. J. Oliphant. 1,508,667; Sept. 16.
Pump, Pressure fluid-lift. H. B. Halvorsen. 1,508,788; Sept. 16.
Pump rod and valve grab. G. Smith. 1,509,001; Sept. 16.
Pump, Rotary. J. G. McBryde. 1,509,051; Sept. 16.
Pump with variable output and constant number of strokes. G. Silvestri. 1,508,806; Sept. 16.
Pyroxyline and making same. W. G. Lindsay. 1,508,457; Sept. 16.
Pyroxyline composition and process. J. H. Stevens. 1,508,483-4; Sept. 16.
Rack: *See*—
Directory rack. Soap rack.
Rack. A. Daniels. 1,508,680; Sept. 16.
Radiator. A. T. Stuart. 1,508,860; Sept. 16.
Radio apparatus, Crystal detector for. E. C. Rowley. 1,508,615; Sept. 16.
Radiodesk. J. L. Axen. Des. 65,598; Sept. 16.
Radiophonograph. I. Shapiro. 1,508,726; Sept. 16.
Radioreception, Crystal detector for. F. G. Mitchell. 1,508,893; Sept. 16.
Radioset cabinet. W. Zaiser. Des. 65,628; Sept. 16.
Rail bender. G. W. Curtis. 1,508,927; Sept. 16.
Railway rail. E. C. Shaver. 1,508,992; Sept. 16.
Railway-traffic-controlling apparatus. L. F. Howard. 1,508,554; Sept. 16.
Railway-traffic-controlling apparatus. J. B. Struble. 1,508,582; Sept. 16.
Ratchet mechanism. F. E. Farley. 1,508,512; Sept. 16.
Razor, Safety. C. M. Szirmay. 1,508,485; Sept. 16.
Receptacle-holding device. B. E. Collins. 1,508,957; Sept. 16.
Receptacle or container. W. Gottheimer. 1,508,548; Sept. 16.
Refacing tool. O. E. Barber. 1,508,587; Sept. 16.
Refrigerating apparatus. F. C. Weber and F. M. Allen. 1,508,833; Sept. 16.
Refrigerating machine. I. Lundgaard. 1,508,522; Sept. 16.
Refrigerator. P. H. Donham. 1,508,962; Sept. 16.
Registers, Transfer mechanism for. W. P. Quentell. 1,508,531; Sept. 16.
Regulator: *See*—
Heat regulator.
Relays or other electrical units, Supporting base for. J. O. Carr and H. L. Krum. 1,508,744; Sept. 16.
Respiratory device. H. Guillemard. 1,508,970; Sept. 16.
Rest, Steady. C. H. Norton. 1,509,075; Sept. 16.
Retardation device. T. T. Greenwood. 1,508,391; Sept. 16.
Rim, Demountable. J. N. McQueen. 1,508,853; Sept. 16.
Rim with contracting and expanding means, Demountable. F. D. Ringo. 1,508,723; Sept. 16.
Ring: *See*—
Piston ring.
Ripping bar and making same. F. J. Vlchek. 1,508,489; Sept. 16.
Roadway sander. O. G. Phillips. 1,509,029; Sept. 16.
Rod: *See*—
Curtain rod.
Rolling stock, Bogie for. F. L. Broussouse. 1,508,954; Sept. 16.
Rope-untwisting apparatus. P. B. Jagger. 1,508,975; Sept. 16.
Rotaries, Gripping device for. B. Boykin, jr. 1,508,590; Sept. 16.
Rubber and mixing same, etc., Treating vulcanized. W. Stocks. 1,508,901; Sept. 16.
Rubber glove. F. W. Dodge. 1,509,060; Sept. 16.
Rubber, leather, or for other suitable purposes, Producing a composition of matter for use in lieu of. W. Stocks. 1,508,900; Sept. 16.
Rudder construction. J. H. McCutcheon. 1,508,665; Sept. 16.
Rug. A. H. Waldo. Des. 65,627; Sept. 16.
Rug fastener. R. J. Lindhorst. 1,509,047; Sept. 16.
Saddle, Riding. L. P. Wellmann, sr. 1,508,631; Sept. 16.
Sash balance. G. C. Webster. 1,508,863; Sept. 16.
Sash-operating mechanism. J. McArthur. 1,508,609; Sept. 16.
Saturator. H. A. Cumfer. 1,508,959; Sept. 16.
Saw edger, Gang-. J. T. Mackie. 1,508,606; Sept. 16.
Saw filing and setting apparatus. D. Peterson. 1,508,574; Sept. 16.
Saw gummer and sharpener. T. C. Black. 1,508,588; Sept. 16.
Scales, Making green. W. Glaeser. 1,508,448; Sept. 16.
Scissors, Securing device for use in sharpening. S. Stephens. 1,508,482; Sept. 16.
Screen: *See*—
Weather screen. Window screen.
Screen-door protector and spring guide. O. W. Olson. 1,508,524; Sept. 16.
Screen hanger. M. Hauser. 1,508,655; Sept. 16.
Sealing compound, Puncture-. O. S. Stevens. 1,509,004; Sept. 16.
Seam-finishing machine. G. J. Gorsuch. 1,508,449; Sept. 16.
Search or head light deflector. P. M. Hoffman and C. and H. H. Doering. 1,508,791; Sept. 16.
Seat: *See*—
Cushion seat. Window seat.
Vehicle seat.
Seaweed, Utilization of. F. C. Thornley, F. F. Tapping, and O. Reynard. 1,509,035; Sept. 16.
Section, Single-unit knockdown. R. G. Bullock. 1,508,917; Sept. 16.
Sewing machine. J. Leathem. 1,508,703; Sept. 16.
Sewing machine, Buttonhole-. B. T. Leveque. 1,508,660; Sept. 16.
Sewing-machine presser foot. J. Berger. 1,508,768; Sept. 16.
Shade and curtain holder, Combination. J. H. Sendlak. 1,508,991; Sept. 16.
Shade and curtain holder, Combined. H. M. Lindsay. 1,508,850; Sept. 16.
Shade holder. H. V. Willman. 1,509,073; Sept. 16.
Shade support, Adjustable window-. B. W. Whitworth. 1,508,431; Sept. 16.
Shade, Window. W. Blanchard. 1,508,640; Sept. 16.
Sheet material and finishing the same, Finished. L. M. Perry. 1,508,720; Sept. 16.
Sheet-material drier. W. H. Collier and A. J. Vance. 1,508,924; Sept. 16.
Sheet metal, Flanging and seaming of. G. W. Berry. 1,508,499; Sept. 16.
Sheet-music turner. J. P. Ross. 1,508,534; Sept. 16.
Shell, Machine for removing the booster charge from a high-explosive. G. Allison. 1,508,494; Sept. 16.
Shelving. J. B. O'Connor. 1,508,610; Sept. 16.
Shield, Welder's face. E. L. Work. 1,508,907; Sept. 16.
Shingle, Artificial. C. H. Harris. 1,508,789; Sept. 16.
Shingling method. J. Shea. 1,508,581; Sept. 16.
Ship. S. N. Polis. 1,508,473; Sept. 16.
Ships, Emergency means for floating. F. Y. Nichols and S. R. Drum. 1,508,816; Sept. 16.
Shoe, Low-quarter. M. Cooper. 1,508,646; Sept. 16.
Show case, Revolving-rack. J. J. Verwys. 1,508,671; Sept. 16.
Shower mixer, Pressure-equalizing. F. W. Powers and M. O. Snediker. 1,508,938; Sept. 16.
Shuttle. J. B. Daudelin. 1,508,507; Sept. 16.
Shuttle tension. J. P. Brown and J. A. Strang. 1,508,503; Sept. 16.
Sign, advertising. P. La Grassa. 1,509,046; Sept. 16.
Sign, Illuminated. C. M. Young. 1,509,014; Sept. 16.
Signal box. R. W. Carnahan. 1,508,743; Sept. 16.
Signaling device. G. Jacobs. 1,508,884; Sept. 16.
Signaling device. J. M. Wenzel. 1,509,010; Sept. 16.
Sleeve, Shirt. W. B. Fields. 1,508,783; Sept. 16.
Snow from roads and streets, Apparatus for removing. H. Grimes. 1,508,786; Sept. 16.
Snow guard. G. B. Geiser. 1,508,844; Sept. 16.
Snowplow, Automobile. G. Ochs. 1,508,716; Sept. 16.
Snubbers and the like, Bracket for. H. D. Thomas and W. H. Odlum. 1,508,584; Sept. 16.
Soap rack. G. Franklin. 1,509,037; Sept. 16.
Socket ratchet wrench. W. E. Drummond. 1,509,067; Sept. 16.
Soot blower. P. W. Dairymple. 1,508,679; Sept. 16.
Spring: *See*—
Vehicle spring.
Sound recording and reproducing apparatus. H. B. Wier. 1,508,432; Sept. 16.
Sound-reproducing machine. L. F. Douglass. 1,508,681; Sept. 16.
Soy beans, Treatment of. L. Berczeller. 1,509,076; Sept. 16.
Square, Combination. J. O. Thomas. 1,508,423; Sept. 16.
Spark-amplifying device. R. J. Smith. 1,508,622; Sept. 16.
Spark plug. H. Mansfield. 1,508,460; Sept. 16.
Speed-indicating apparatus. G. E. Cassell. 1,508,644; Sept. 16.
Spindle-holding means. W. N. Sawyer. 1,509,056; Sept. 16.
Spindle-machine tool, Automatic multiple-. C. Jackson. 1,508,974; Sept. 16.
Spotlamp for automobiles. T. M. Bragg. 1,508,772; Sept. 16.
Spraying machine. J. I. Lloyd. 1,508,663; Sept. 16.
Spring. L. H. Timmons. 1,508,487; Sept. 16.
Spring lubricator or protector. F. N. Sealand. 1,508,479; Sept. 16.
Spring wheel. J. A. Parra. 1,508,525; Sept. 16.
Stamp, Hand. W. L. Edgarton. 1,508,598; Sept. 16.
Stamp-operating device. M. E. Charleston. 1,508,676; Sept. 16.
Stamp, Trading. R. Barrier. Des. 65,599; Sept. 16.
Stand. A. Partmann. 1,508,470; Sept. 16.
Stay-bolt tap. G. M. Brubaker, jr. 1,508,594; Sept. 16.
Stay-bolt taps, Making. G. M. Brubaker, jr. 1,508,595; Sept. 16.
Steering-wheel lock. L. R. Ruthenburg. 1,508,616; Sept. 16.
Stenciling machine. H. Rabezzana. 1,508,669; Sept. 16.
Stereotype-plate-casting machine. A. A. Henzi. 1,509,078; Sept. 16.

Sterilizer. R. E. Klett. 1,508,799; Sept. 16.
Stitching attachment, Embossed-. H. L. Patzer. 1,508,895; Sept. 16.
Stocking. E. C. Taubel. Des. 65,625; Sept. 16.
Stone-surfacing appnratus. H. E. Edgington. 1,508,780; Sept. 16.
Stone-working machine. H. H. Mercer. 1,509,080; Sept. 16.
Storage battery. F. C. Thornley, F. F. Tapping, and O. Reynard. 1,508,732; Sept. 16.
Storage-battery-cell cover. T. R. Cook. 1,508,926; Sept. 16.
Storage-battery plate. T. R. Cook. 1,508,776; Sept. 16.
Stove-base members, Fastening for. E. Kener, jr. 1,508,797; Sept. 16.
Sucker rods, Coupling for. W. D. Giles. 1,508,845; Sept. 16.
Sugar, Grape. W. B. Newkirk. 1,508,569; Sept. 16.
Sugar-packing device, Cube-. H. Dippel. 1,508,837; Sept. 16.
Sweeper, Carpet. J. Taylor. 1,508,538; Sept. 16.
Swimming, Device to aid. G. Evans. 1,508,651; Sept. 16.
Switch: *See*—
Double-pole double-throw switch. Electric time switch.
Electric switch. Lever switch.
Switch cleaner. W. W. Brisson. 1,508,502; Sept. 16.
Switching apparatus. W. M. Scott. 1,508,414; Sept. 16.
Swivel hook. D. E. Mahan. 1,508,705; Sept. 16.
Synchronous rectifying mechanism, Automatic. F. W. Falck. 1,508,544; Sept. 16.
Syringe, Washerless removable tip hypodermic. F. L. Platt, G. N. Hein, and R. R. Impey. 1,508,936; Sept. 16.
Table: *See*—
Carpenter's table.
Table case. J. S. Anderson. 1,508,949; Sept. 16.
Tank. E. C. Pitcher and F. W. Schmitz. 1,508,575; Sept. 16.
Tank cap. D. R. Morrison. 1,508,894; Sept. 16.
Tank construction, Brine-. L. Kobash. 1,509,043; Sept. 16.
Telegraphic typewriting system, Electrically-operated. O. Bennett. 1,508,870; Sept. 16.
Telephone arm and call-card holder. M. Tretick. 1,508,488; Sept. 16.
Telephone desk set. G. K. Thompson. 1,508,424; Sept. 16.
Telephone-exchange system. A. E. Lundell. 1,508,404; Sept. 16.
Telephone private branch exchange circuits. J. F. Toomey and H. E. Phelps. 1,508,425; Sept. 16.
Telephones, Magnifying glass for. J. J. Ayers. 1,508,434; Sept. 16.
Telescoping element and locking means, Unitary. J. S. Chade. 1,508,822; Sept. 16.
Theodolite. H. Wild. 1,508,585; Sept. 16.
Thermometer. J. B. McGhan. 1,508,465; Sept. 16.
Thermostatic control. G. A. Bonelli. 1,508,872; Sept. 16.
Timing mechanism. W. E. Porter. 1,508,528–9; Sept. 16.
Timing mechanism, Resettable. W. E. Porter. 1,508,527; Sept. 16.
Tire. F. J. Dougherty. Des. 65,601; Sept. 16.
Tire armor. P. A. Eftofie. 1,508,877; Sept. 16.
Tire attachment. H. E. Jones. 1,508,978; Sept. 16.
Tire liners and the like, Apparatus for vulcanizing. E. J. Moran. 1,508,814; Sept. 16.
Tire, Rubber. A. R. Colvin. Des. 65,600; Sept. 16.
Tire tread. A. Hargraves. Des. 65,605; Sept. 16.
Tire tread. H. B. Reichard. Des. 65,615–6; Sept. 16.
Tire tread. C. J. Venn. Des. 65,626; Sept. 16.
Tire valve, Pneumatic-. F. Myers. 1,508,984; Sept. 16.
Tobacco-curing flues, Safety screen for. A. S. Green. 1,508,968; Sept. 16.
Tool. R. G. Fernandez. 1,508,967; Sept. 16.
Torch. E. Folgman. 1,509,077; Sept. 16.
Torque-tube connection. E. W. Seaholm and G. E. Parker. 1,508,897; Sept. 16.
Toy. F. M. Mulligan. 1,509,020; Sept. 16.
Toy, Balloon. A. J. Swartz and C. O. Roose. 1,508,420; Sept. 16.
Toy, Figure. G. F. Schenfield. 1,508,536; Sept. 16.
Train-controlling system, Automatic. E. C. Sasnett. 1,508,413; Sept. 16.
Train-stopping means. H. L. Craig. 1,508,444; Sept. 16.
Transmission-band bracket. C. E. Flatter. 1,508,599; Sept. 16.
Transmission, Reduction. W. S. Jennings. 1,508,885; Sept. 16.
Traveling block. F. F. Mize. 1,508,664; Sept. 16.
Tray, Posting. D. E. Hunter. 1,508,793; Sept. 16.
Tree stumps, Apparatus for destroying. E. S. Phillips. 1,509,027; Sept. 16.
Trousers and like press. D. Fuller. 1,508,843; Sept. 16.
Truck and concrete mixer, Combination. C. Payne. 1,509,055; Sept. 16.
Turbine. L. L. Brown. 1,508,441; Sept. 16.
Tweezers. H. Schloesser. 1,508,725; Sept. 16.
Tympan clamp. A. F. Baker. 1,508,951; Sept. 16.
Type-forming machine. F. G. Norman. 1,508,715; Sept. 16.
Typewriter stroke and word counting and signaling device and speed indicator. A. E. Oswald. 1,508,407; Sept. 16.
Typewriting machine. J. C. Anderson. 1,508,810; Sept. 16.
Typewriting machine. G. O. Degener. 1,508,836; Sept. 16.
Typewriting machine. J. Waldheim. 1,508,808; Sept. 16.
Typewriting machines, Column-stop mechanism of. G. Aichele. 1,508,911; Sept. 16.
Typewriting machines, Shift mechanism for. G. Aichele. 1,508,910; Sept. 16.
Universal joint. J. B. Flick. 1,508,653; Sept. 16.
Vacuum cleaner. G. Clements. 1,508,597; Sept. 16.
Valve. F. W. Dodge. 1,509,059; Sept. 16.
Valve. A. Marcelli. 1,508,461; Sept. 16.
Valve. S. T. Nelson. 1,508,568; Sept. 16.
Valve. S. Simon. 1,508,944; Sept. 16.
Valve. P. D. Sprenger and C. W. McPherron. 1,508,754; Sept. 16.
Valve, Clutch-controlled. G. McFarland. 1,508,464; Sept. 16.
Valve, Flush. C. H. Gunn. 1,508,694; Sept. 16.
Valve, Flush. J. W. Kelly. 1,508,398; Sept. 16.
Valve for steam systems. M. P. Miller and H. T. Patton. 1,508,983; Sept. 16.
Valve, Motor-testing. C. H. Diener. 1,508,543; Sept. 16.
Valve remover. E. L. Cridge. 1,508,678; Sept. 16.
Valve, Safety. J. H. Jacobs. 1,508,696; Sept. 16.
Valve, Safety blow-off. R. C. Woodham. 1,508,635; Sept. 16.
Vanity case. G. E. Davis. 1,508,649; Sept. 16.
Vehicle bumper. E. Parradee. 1,509,054; Sept. 16.
Vehicle, Endless-track. I. Roy. 1,509,030; Sept. 16.
Vehicle-operated gate. D. C. Funcheon. 1,508,546; Sept. 16.
Vehicle seat. E. H. Remde. 1,508,576; Sept. 16.
Vehicle spring. W. E. and E. L. Stanford. 1,508,755; Sept. 16.
Vehicles, Direction signal for motor. C. R. Bryan. 1,508,955; Sept. 16.
Vehicles, Rear-end signal for. C. F. Marston. 1,509,049; Sept. 16.
Violin-bow guide and mute. L. J. Zahn. 1,508,830; Sept. 16.
Wagon brake, Automatic. D. Sowards. 1,509,003; Sept. 16.
Wall board. W. M. Jenkins. 1,508,658; Sept. 16.
Wall board and the like. Process and apparatus for making. P. B. Hudson. 1,508,973; Sept. 16.
Wall for safes, strong rooms, and the like, Brickwork. H. Taegen. 1,508,421; Sept. 16.
Warping-beam rolls, End-flange attachment for horizontal. A. F. Schmidt. 1,508,477; Sept. 16.
Washing machine. W. C. Ayers. 1,508,638; Sept. 16.
Washing machine. C. G. Kronmiller. 1,508,400; Sept. 16.
Washing machine. J. F. Wholey. 1,508,828; Sept. 16.
Washing-machine mechanism. J. W. Dawson. 1,508,508; Sept. 16.
Watchcase, Wrist. L. Strasser. Des. 65,621–4; Sept. 16.
Water bag or bucket, Flexible. W. E. Rose. 1,508,724; Sept. 16.
Water heater. G. F. Paul. 1,508,471; Sept. 16.
Water heater, Electric. W. M. R. Kay. 1,509,042; Sept. 16.
Water heater, Electric. J. A. MacDonald. 1,508,982; Sept. 16.
Water in baths and the like, Apparatus for preventing waste of. F. H. Horton. 1,509,040; Sept. 16.
Waxer and polisher, Combined floor. H. J. S. Cross. 1,508,541; Sept. 16.
Weather screen, Visual. S. A. de Normanville. 1,508,761; Sept. 16.
Weather strip. C. D. Lyon. 1,508,459; Sept. 16.
Weighing instrument, Micrometer. C. W. Caldwell. 1,508,596; Sept. 16.
Welding apparatus, Arc-. P. O. Noble. 1,508,713; Sept. 16.
Welding apparatus, Control system for automatic arc-. C. E. Glasser. 1,508,688; Sept. 16.
Welding, Apparatus for arc. P. O. Noble. 1,508,711; Sept. 16.
Welding apparatus, Hand-operated arc-. C. Krämer. 1,508,701; Sept. 16.
Welding, Arc. P. O. Noble. 1,508,712; Sept. 16.
Welding control system, Automatic arc-. W. B. Clarkson. 1,508,746; Sept. 16.
Welding, Electric-arc. E. R. Carchoff. 1,508,742; Sept. 16.
Welding, Electric-arc. C. E. Glasser. 1,508,691; Sept. 16.
Welding machine. C. E. Glasser. 1,508,690; Sept. 16.
Welding, Metallic arc. C. E. Glasser. 1,508,689; Sept. 16.
Welding, Method of and apparatus for automatic arc. M. A. Whiting. 1,508,738; Sept. 16.
Welding system and apparatus, Electric-arc-. P. O. Noble. 1,508,710; Sept. 16.

Well casings, Floating plug for. R. C. Baker. 1,508,586; Sept. 16.
Wells, Device for torpedoing. F. I. Alexander. 1,508,737; Sept. 16.
Wheel: *See*—
Spring wheel.
Wheel and chain, Sprocket. F. Diehl. 1,508,446; Sept. 16.
Wheel scraper for land vehicles. C. Dueker. 1,508,650; Sept. 16.
Wheel-securing bracket. F. Jerdone, jr. 1,508,976; Sept. 16.
Wheels, Attachment for vehicle. T. J. Gentle and R. V. Tryon. 1,508,547; Sept. 16.
Window. H. N. McGaughey. 1,509,052; Sept. 16.
Window mounting. A. C. Sonle. 1,508,624; Sept. 16.
Window seat, Collapsible safety. A. Ketelsen. 1,508,699; Sept. 16.
Window screen. W. M. Koons. 1,508,559; Sept. 16.
Wiper cloth for pipe joints. G. E. Williams. 1,508,865; Sept. 16.
Wiper cloths, Container for. G. E. Williams. 1,508,867; Sept. 16.
Wiper cloths, Steam-heated press for shaping. G. E. Williams. 1,508,866; Sept. 16.
Wire into lengths, Machine for cutting. F. H. Sleeper and J. A. Horton. 1,508,753; Sept. 16.
Wire-stripping machine. P. W. Kuchmuk. 1,509,044; Sept. 16.
Work-holding clamp. W. E. Simpson. 1,508,729; Sept. 16.
Wrapping machine. H. Y. Armstrong. 1,508,637; Sept. 16.
Wrench: *See*—
Socket ratchet wrench
Wringer: *See*—
Clothes wringer.
Wristband adapted for carrying articles. S. Sedransky. 1,508,940; Sept. 16.

CLASSIFICATION OF PATENTS

SEPTEMBER 16, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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43: 1,508,512
111: 1,508,747
120: 1,508,760
195— 15: 1,508,435
1,508,436
196— 14: 1,508,923
147: 1,505,625
197— 6.2: 1,508,932
39: 1,508,908
70: 1,508,911
74: 1,508,910
86: 1,508,909
127: 1,508,810
135: 1,508,808
138: 1,508,836
198— 31: 1,509,063
1,509,064
179: 1,508,708
193: 1,508,481
200— 6: 1,508,636
33: 1,509,026
44: 1,508,607
52: 1,508,611
101: 1,508,442
107: 1,508,414
130: 1,508,402
135: 1,508,839
164: 1,509,071
166: 1,508,389
202— 4: 1,508,578
204— 1: 1,508,629

204—	5:	1,508,758	214—	55:	1,508,999	223—	18:	1,508,734	242—	124:	1,508,477	255—	61:	1,508,443	281—	19:	1,508,823
	29:	1,508,427		89:	1,508,856		22:	1,508,802	244—	12:	1,508,592	256—	51:	1,508,950		29:	1,508,829
		1,508,428		90:	1,508,857	224—	28:	1,508,940			1,508,604	257—	139:	1,508,860			1,508,821
		1,508,613		95:	1,508,492		29:	1,508,904			1,508,774	259—	72:	1,508,958		43:	1,508,733
		1,508,732		102:	1,508,573			1,508,980			1,509,018		134:	1,508,841	283—	1:	1,508,988
		1,508,776		122:	1,508,996	228—	60:	1,508,392		17:	1,508,520		144:	1,508,508	285—	68:	1,508,408
		1,508,847		126:	1,508,921	229—	7:	1,508,878		21:	1,509,032	260—	11:	1,508,448		185:	1,509,021
		1,508,926	217—	64:	1,508,548		72:	1,508,819		29:	1,508,591			1,508,603	287—	100:	1,509,031
	38:	1,508,987		69:	1,508,657	230—	6:	1,508,805		31:	1,508,775		33:	1,508,401	290—	48:	1,508,945
	64:	1,508,486		97:	1,508,575		34:	1,508,568	246—	47:	1,508,413		60:	1,508,409	291—	19:	1,509,029
		1,509,007	219—	8:	1,508,688	232—	24:	1,508,801		114:	1,508,582		145:	1,508,457	292—	173:	1,508,510
209—	1:	1,508,867			1,508,689	235—	1:	1,508,444		188:	1,508,444		151:	1,508,563		259:	1,508,919
	16:	1,509,015			1,508,690		6:	1,508,953	247—	15:	1,508,666	262—	18:	1,509,080		285:	1,508,384
	46:	1,508,382			1,508,691		61:	1,508,762	248—	1:	1,508,488		28:	1,508,633		347:	1,508,784
208—	70:	1,508,438			1,508,701		73:	1,508,752		20:	1,508,957			1,508,634	293—	41:	1,508,652
	93:	1,508,621			1,508,710		134:	1,508,531		36:	1,508,721	265—	20:	1,508,439		55:	1,509,054
	101:	1,508,826			1,508,711	236—	58:	1,508,983		41:	1,508,672		29:	1,508,596	294—	11:	1,508,641
210—	65:	1,509,036			1,508,712		88:	1,508,511			1,508,898	267—	10:	1,508,584		42:	1,508,510
	105:	1,508,751			1,508,713	237—	12.3:	1,508,383	250—	31:	1,508,615		28:	1,508,755		87:	1,508,837
	165:	1,508,480			1,508,738	238—	122:	1,508,992			1,508,893		37:	1,508,479		90:	1,508,417
211—	13:	1,508,680			1,508,742	240—	7:	1,508,385		41:	1,508,647		54:	1,508,787		114:	1,509,001
	16:	1,508,610			1,508,746		41:	1,508,659	251—	8:	1,508,944	268—	2:	1,508,642	298—	14:	1,508,946
		1,508,671			1,509,006			1,508,896		11:	1,508,543		4:	1,508,609	299—	31:	1,508,502
	24:	1,508,470	19:		1,508,490			1,509,070		62:	1,508,461		9:	1,508,580		131:	1,508,903
		1,509,069	38:		1,508,799		48.4:	1,508,530		125:	1,508,922	270—	5:	1,508,756	301—	11:	1,508,853
	29:	1,509,048			1,508,943			1,508,791	254—	25:	1,508,489	274—	10:	1,508,572		33:	1,508,723
	44:	1,508,952			1,508,982		52:	1,509,068		166:	1,508,750			1,508,986	303—	21:	1,508,554
213—	166:	1,508,380		39:	1,509,042		61:	1,508,772		185:	R.15,917		39:	1,508,632	304—	27:	1,508,699
	168:	1,508,379		43:	1,508,452		134:	1,509,073		192:	1,508,664	277—	21:	1,508,938	306—	20:	1,508,395
	170:	1,508,381	220—	1:	1,508,980	241—	1:	1,508,648	255—	15:	1,508,704		27:	1,508,635		32:	1,508,874
214—	35:	1,508,497		13:	1,508,440		12:	1,509,016		23:	1,508,590	279—	1:	1,509,057			
	41:	1,508,560		24:	1,508,894	242—	43.7:	1,508,934		29:	1,508,845		60:	1,509,061			
	52:	1,508,907	221—	98:	1,508,410		71:	1,508,589		51:	1,509,022	280—	158:	1,508,650			

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams, Harvey R., Seattle, Wash. Liniment. 189,601; Sept. 23; Serial No. 194,504; published July 8, 1924.

Aktieselskabet Aalborg Portland-Cement-Fabrik, Aalborg, Jutland, Denmark. Cements. 189,770; Sept. 23; Serial No. 173,908; published July 1, 1924.

Allen, Benjamin B., San Francisco, Calif. Beverage sold as a soft drink. 189,515; Sept. 23; Serial No. 194,040; published July 8, 1924.

Allen, Benjamin B., doing business as American Root Beer Co., San Francisco, Stockton, and Huntington Park, Calif. Beverages sold as soft drinks and sirups therefor. 189,584; Sept. 23; Serial No. 163,847; published July 8, 1924.

Altman, B., & Co., New York, N. Y. Golf balls, golf clubs, tennis rackets, and tennis balls. 189,556; Sept. 23; Serial No. 196,044; published July 22, 1924.

American Forestry Association, The, Washington, D. C. Magazine. 189,754; Sept. 23; Serial No. 195,324; published July 1, 1924.

American Lady Corset Co., Detroit, Mich. Boning, steels, and stayling material. 189,735; Sept. 23; Serial No. 197,240; published July 1, 1924.

American Root Beer Co. (See Allen, Benjamin B.)

American Wholesale Corporation, (Baltimore Bargain House), Baltimore, Md. Toothbrushes. 189,793; Sept. 23.

Anderson, Hilding C., Seattle, Wash. Toilet-seat covers of paper. 189,504; Sept. 23; Serial No. 191,050; published June 10, 1924.

Angel, Bernardo, New York, N. Y. Coffee. 189,809–10; Sept. 23.

Annondale Co., The. (See Smith, Thomas W.)

Arabol Mfg. Co., The, New York, N. Y. Adhesives. 189,773; Sept. 23.

Archibald, C. R., doing business as Union Label Press, Warren and Youngstown, Ohio. Calendars. 189,758; Sept. 23; Serial No. 193,267; published July 1, 1924.

Armstrong Cork Company, Pittsburgh, Pa. Gaskets, washers and packing of cork. 189,755; Sept. 23; Serial No. 194,154; published July 8, 1924.

Armstrong, William, New York, N. Y. Daily publication. 189,757; Sept. 23; Serial No. 193,884; published July 1, 1924.

Ayling, Geo. W., doing business as J. C. Ayling Co., Springfield, Ill. Kite. 189,604; Sept. 23; Serial No. 194,847; published July 8, 1924.

Barkhaus, F. W., & Sons, Newcastle, Calif. Fresh deciduous fruits. 189,698; Sept. 23; Serial No. 196,566; published July 22, 1924.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 189,539; Sept. 23; Serial No. 196,499; published July 8, 1924.

Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 189,737; Sept. 23; Serial No. 197,314; published July 8, 1924.

Bell's United Asbestos Company Limited, London, England. Engine packing. 189,663; Sept. 23; Serial No. 194,429; published July 8, 1924.

Bell's United Asbestos Company Limited, London, England. Plastic metallic packing. 189,664; Sept. 23; Serial No. 194,637; published July 1, 1924.

Bergmann, Christian N., Pittsburgh, Pa. Paper containers or cups. 189,675; Sept. 23; Serial No. 195,629; published July 1, 1924.

Berman Bros. & Lindeman Co., Inc., Brooklyn, N. Y. Knitted garments. 189,535; Sept. 23; Serial No. 196,364; published July 8, 1924.

Big Vein Anthracite Collieries, Inc., Washington, D. C. Coal. 189,667; Sept. 23; Serial No. 195,329; published July 1, 1924.

Bloomington Canning Co., The, Bloomington, Ill. Canned vegetables. 189,631; Sept. 23; Serial No. 194,516; published July 22, 1924.

Bon-Lac Corporation, Baltimore, Md. Prepared shellacs, varnishes. 189,806; Sept. 23.

Bosworth, Millard M., doing business as M. M. Bosworth Company, Memphis, Tenn. Burlap bags. 189,634; Sept. 23; Serial No. 194,252; published July 1, 1924.

Braden Company, The, Tulsa, Okla. Metal frames for buildings, windows, and doors. 189,626; Sept. 23; Serial No. 196,572; published July 1, 1924.

Bradley, Arthur J., San Francisco, Calif. Crab sandwich and shrimp sandwich. 189,670–1; Sept. 23; Serial Nos. 194,782–3; published July 22, 1924.

Breslauer, A., Inc., New York, N. Y. Nonelectric curling irons, straightening irons, etc. 189,762; Sept. 23; Serial No. 191,425; published July 1, 1924.

Briner-Null Coffee Company, Vincennes, Ind. Peanut butter. 189,577; Sept. 23; Serial No. 197,060; published July 8, 1924.

Brooklyn Perfex Corp., Brooklyn, N. Y. Brooms, mops, and brushes. 189,528; Sept. 23; Serial No. 196,048; published July 8, 1924.

Brown & Bigelow, St. Paul, Minn. Portfolios, pocketbooks, wallets, etc. 189,732; Sept. 23; Serial No. 160,744; published May 27, 1924.

Bullock's, Los Angeles, Calif. Shoes. 189,519; Sept. 23; Serial No. 194,333; published July 8, 1924.

Burgundy Grape Company. (See Johnson, Henry.)

Burlock Non-Skid Tire Corporation, New York, N. Y. Rubber tires. 189,653; Sept. 23; Serial No. 186,772; published July 1, 1924.

California Almond Confections Company. (See Prentiss, William, jr.)

California Almond Packers, Inc., Sacramento and North Sacramento, Calif. Almond meats and glazed and blanched almonds. 189,599; Sept. 23; Serial No. 190,150; published July 8, 1924.

California Co-Operative Canneries, San Francisco, Calif. Canned fruits and vegetables. 189,714; Sept. 23; Serial No. 191,301; published July 22, 1924.

Campe Corporation, The, New York, N. Y. Women's knitted underwear. 189,608; Sept. 23; Serial No. 195,094; published July 8, 1924.

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Ginger ale. 189,811; Sept. 23.

Cartagena & Mavro, New York, N. Y. Olives. 189,513; Sept. 23; Serial No. 193,572; published July 8, 1924.

Carrera's Limited, London, England. Smoking, chewing, and snuffing tobacco, cigars, and cigarettes. 189,562; Sept. 23; Serial No. 194,049; published July 22, 1924.

Carson Pirie Scott & Co., Chicago, Ill. Kitchen cabinets, bases, and tables. 189,751; Sept. 23; Serial No. 195,944; published July 1, 1924.

Cassaday Grey Granite Company, Llano, Tex. Gray-granite stone. 189,804; Sept. 23.

Caswell, Geo. W., Co., San Francisco, Calif. Coffee. 189,706–7; Sept. 23; Serial Nos. 197,581–2; published July 22, 1924.

Central Commercial Company, Chicago, Ill. Asphalt. 189,628; Sept. 23; Serial No. 196,429; published July 1, 1924.

City Mills Co., Columbus, Ga. Corn meal. 189,680; Sept. 23; Serial No. 196,233; published July 22, 1924.

Cleary, D. E., Co., The, Newark, N. J. Canned fruits and vegetables. 189,797; Sept. 23.

Cleveland Milling Co., Cleveland, Tenn. Wheat flour. 189,694; Sept. 23; Serial No. 196,333; published July 22, 1924.

Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 189,695; Sept. 23; Serial No. 196,365; published July 22, 1924.

Cluett, Peabody & Co. Inc., Troy, N. Y. Shirts. 189,784; Sept. 23.

Cohn Bros. Furniture Co. Inc., New York and Brooklyn, N. Y. Baby high chairs, beds, chairs, couches, etc. 189,790; Sept. 23.

Collier, P. F., Son Company, New York, N. Y. House organ issued monthly. 189,589; Sept. 23; Serial No. 178,165; published May 22, 1923.

Collins-Hencke Candy Co., San Francisco, Calif. Candy. 189,704; Sept. 23; Serial No. 197,363; published July 22, 1924.

Conant-Ball Company, Boston, Mass. Household and other furniture. 189,752; Sept. 23; Serial No. 195,740; published July 8, 1924.

Cook Woodcraft Co., Hollywood, Calif. Flower boxes, vases, cabinets, etc. 189,713; Sept. 23; Serial No. 191,675; published June [illegible], 1924.

Corona Chemical Co. Inc., New York, N. Y. Analgesic balm, bay rum, castor oil, etc. 189,582; Sept. 23; Serial No. 156,887; published Apr. 29, 1924.

Cotter, R. E., Co., San Francisco, Calif. Canned fish. 189,678–9; Sept. 23; Serial Nos. 196,156–7; published July 22, 1924.

Crawford & Luke, Augusta, Ga. Compound for destroying boll weevils, army worms, etc. 189,610; Sept. 23; Serial No. 195,158; published July 8, 1924.

Crownolo Manufacturing Co. (See Umanoff, David.)

Dalton, Edward F., Rockville Center, N. Y. Candy. 189,703; Sept. 23; Serial No. 197,260; published July 22, 1924.

Daroff, Harry, & Sons, Philadelphia, Pa. Outer suits for men and boys. 189,609; Sept. 23; Serial No. 195,096; published July 8, 1924.

Dicklnson, Luella, Seattle, Wash. Lotion. 189,619; Sept. 23; Serial No. 195,876; published July 8, 1924.

Digestive Ferments Company, The, Detroit, Mich. Pharmaceutical preparation. 189,611–12; Sept. 23; Serial Nos. 195,266–7; published July 8, 1924.

Doering, Julius A., New York, N. Y. Edible vegetable oils. 189,516; Sept. 23; Serial No. 194,097; published July 1, 1924.

Donelson, Lewis R., jr., doing business as The Donelson Company, Memphis, Tenn. Pancake flour. 189,708; Sept. 23; Serial No. 197,587; published July 22, 1924.

Dougherty, Albert U., Muncie, Ind. Cakes. 189,776–7; Sept. 23.

Dougherty, H. D., & Co., Inc., Philadelphia, Pa. Hospital furniture. 189,789; Sept. 23.

Earl Fruit Company of the Northwest, The, Spokane, Wash. Apples. 189,720; Sept. 23; Serial No. 184,964; published July 22, 1924.
Eastern Paper, Can & Tube Company, Boston, Mass. Paper cans. 189,677; Sept. 23; Serial No. 196,107; published June 17, 1924.
Earmor Potato Chip Company. (See Shanley, Nicholas J.)
Elstrong Mfg. Co. (See Susstrong, Carl A.)
Endicott Johnson Corporation, Endicott, N. Y. Leather. 189,625; Sept. 23; Serial No. 196,585; published July 8, 1924.
Essex Rubber Company, Inc., Trenton, N. J. Bicycle handle-bar grips and step mats and heel rests for automobiles. 189,780; Sept. 23.
Fairfax Textile Mills, Inc., New York, N. Y. Broad cloth. 189,768; Sept. 23; Serial No. 188,191; published July 22, 1924.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Laxative tablets. 189,537; Sept. 23; Serial No. 196,451; published July 8, 1924.
Figenbaum, John P., & Company, Mattoon, Ill. Eggs. 189,699; Sept. 23; Serial No. 196,655; published July 22, 1924.
Fiorita, Anthony R., Moberly, Mo. Beverage and concentrate for making same. 189,545; Sept. 23; Serial No. 198,301; published July 22, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 189,635–6; Sept. 23; Serial Nos. 194,235–6; published July 22, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 189,642; Sept. 23; Serial No. 193,815; published July 22, 1924.
Franco American Chemical Works, Carlstadt, N. J. Anaesthetic. 189,523; Sept. 23; Serial No. 196,015; published July 8, 1924.
Franke, George, Sons Company, The, Baltimore, Md. Paper boxes. 189,716; Sept. 23; Serial No. 189,245; published June 10, 1924.
Fruin-Colnon Contracting Company, St. Louis, Mo. Periodical magazine. 189,733; Sept. 23; Serial No. 197,144; published July 8, 1924.
Gamble, Ernest L., Adams, N. Y. Pure honey. 189,598; Sept. 23; Serial No. 190,078; published June 24, 1924.
Gasser, Mc M., Co., Duluth, Minn. Coffee. 189,724; Sept. 23; Serial No. 181,482; published Jan. 8, 1924.
Gebroeders, Jonker, Zullen, Netherlands. Brushes. 189,559–60; Sept. 23; Serial Nos. 194,858–9; published July 22, 1924.
General Pencil Company, Jersey City, N. J. Lead pencils, pen points, etc. 189,506; Sept. 23; Serial No. 191,539; published June 10, 1924.
Ginter Company, The, Boston, Mass. Canned peas, corn, and tomatoes, jellies, and fruit preserves. 189,509; Sept. 23; Serial No. 192,907; published July 8, 1924.
Ginter Company, The, Boston, Mass. Grape juice and cider. 189,546; Sept. 23; Serial No. 197,806; published July 22, 1924.
Golden Nugget Sweets, San Francisco, Calif. Fudge. 189,805; Sept. 23.
Gordon, Max, doing business as M. Gordon Company, New York, N. Y. Typewriter paper. 189,596; Sept. 23; Serial No. 187,879; published June 10, 1924.
Goudey Gum Co., The, Boston, Mass. Chewing gum. 189,633; Sept. 23; Serial No. 194,271; published July 22, 1924.
Graesser-Monsanto Chemical Works Limited, The, Cefn, Ruabon, North Wales, and London, England. Disinfectants and germicides. 189,597; Sept. 23; Serial No. 189,891; published July 8, 1924.
Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bedsteads. 189,742; Sept. 23; Serial No. 196,455; published July 8, 1924.
Halperin, M. L., Brooklyn, N. Y. Semimade garments. 189,616; Sept. 23; Serial No. 195,517; published July 8, 1924.
Harman, C. Henry, Tazewell, Va. Coal. 189,772; Sept. 23.
Hauck, A. J., Water Company, Pittsburgh, Pa. Mineral water. 189,571; Sept. 23; Serial No. 197,070; published July 8, 1924.
Hauser & Well, New York, N. Y. Hatboxes. 189,630; Sept. 23; Serial No. 194,643; published June 10, 1924.
Hearn, James A., & Son, Inc., New York, N. Y. Silk underwear. 189,613; Sept. 23; Serial No. 195,286; published July 8, 1924.
Heekin Company, The, Cincinnati, Ohio. Coffee. 189,581; Sept. 23; Serial No. 151,833; published July 8, 1924.
Henius, Emil T., doing business as Moyans, Chicago, Ill. Cordials used for beverage purposes. 189,532; Sept. 23; Serial No. 196,246; published July 8, 1924.
Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Paints, varnish, etc. 189,795; Sept. 23.
Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Ice skates, rackets, croquet sets, etc. 189,796; Sept. 23.
Higgin's Packing Company, Omaha, Nebr. Hams and bacon. 189,730; Sept. 23; Serial No. 164,909; published July 22, 1924.
Hoffmann Novelty Co., Oakland, Calif. Lingerie strap holders. 189,761; Sept. 23; Serial No. 191,434; published July 1, 1924.
Hollingsworth Candy Co., Augusta, Ga. Candy. 189,726; Sept. 23; Serial No. 177,781; published July 22, 1924.
Hol-som Candy Specialty Co., Baltimore, Md. Candy. 189,696; Sept. 23; Serial No. 196,459; published July 22, 1924.
Hood's Candy Company, Seattle, Wash. Candy bars. 189,641; Sept. 23; Serial No. 193,922; published July 22, 1924.
Horder's, Inc., Chicago, Ill. Loose-leaf devices, etc. 189,531; Sept. 23; Serial No. 196,172; published June 24, 1924.
House of Byer, The, Malden, Mass. Waists and hosiery. 189,771; Sept. 23.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables and dried fruits. 189,717; Sept. 23; Serial No. 189,003; published July 22, 1924.
Hunter, H. B., Company, Inc., Norfolk, Va. Beverages sold as soft drinks. 189,563; Sept. 23; Serial No. 193,461; published July 22, 1924.
Ideal Hosiery Mills. (See Page and Jones.)
Imperial Tobacco Co. Inc., Buffalo, N. Y. Smoking tobacco. 189,510; Sept. 23; Serial No. 193,337; published July 8, 1924.
Interlocking Toggle Rim Co., Fort Valley, Ga. Automobile rims. 189,651; Sept. 23; Serial No. 177,560; published July 1, 1924.
Interstate Laborntory. (See Tyler, Benjamin.)
Johnson, Henry, doing business as Burgundy Grape Co., New York, N. Y. Grape juice. 189,544; Sept. 23; Serial No. 198,459; published July 22, 1924.
Jones Book Store Inc., The, Los Angeles, Calif. Stationery, typewriter papers, notebooks, pens, etc. 189,520; Sept. 23; Serial No. 194,356; published June 17, 1924.
Kaser, H. E., Modeled Leather Corporation, Buffalo, N. Y. Leather goods and novelties. 189,649; Sept. 23; Serial No. 192,258; published June 10, 1924.
Kaul Lumber Company, Tuscaloosa and Birmingham, Ala. Lumber. 189,669; Sept. 23; Serial No. 195,749; published July 1, 1924.
Klefer, K. H., Baltimore, Md. Auxiliary seat backs. 189,794; Sept. 23.
Kirkwood, Maude M., doing business as Klenerwax Polish Co., Los Angeles, Calif. Furniture and automobile polish. 189,791; Sept. 23.
Kleinert, I. B., Rubber Company, New York, N. Y. Rubber sheeting. 189,622; Sept. 23; Serial No. 197,084; published July 8, 1924.
Klenerwax Polish Co. (See Kirkwood, Maude M.)
Knedler-Bates Mfg. Co., Indianapolis, Ind. Corn flour and maize flakes. 189,702; Sept. 23; Serial No. 197,155; published July 22, 1924.
Knight, Charles E., San Francisco, Calif. Mineral water and beverages sold as soft drinks and syrups for making same. 189,603; Sept. 23; Serial No. 194,804; published July 8, 1924.
Koester, William, Davenport, Iowa. Malt fountain syrups. 189,566; Sept. 23; Serial No. 182,156; published July 22, 1924.
Kohnstamm, H., & Co., Inc., New York, N. Y. Extracts and flavors used in the preparation of soft drinks. 189,787; Sept. 23.
Kolb, Louis J., doing business as Safetee Glass Company, Philadelphia, Pa. Paper. 189,592; Sept. 23; Serial No. 183,158; published June 17, 1924.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 189,812; Sept. 23.
Law's Long-Ease Mfg. Co., Dallas, Tex. Medicine for the treatment of tuberculosis, etc. 189,540; Sept. 23; Serial No. 196,531; published July 8, 1924.
Lefkowitz & Fisher, Inc., New York, N. Y. Vanity cases. 189,676; Sept. 23; Serial No. 195,892; published June 17, 1924.
Leonard & Baker Stove Company, Taunton, Mass. Coal and gas ranges and heaters. 189,668; Sept. 23; Serial No. 195,452; published July 1, 1924.
Lestershire Spool & Mfg. Co., Johnson City, N. Y. Fiberhead spools, and fiber-head silk bobbins, etc. 189,647; Sept. 23; Serial No. 192,489; published June 10, 1924.
Lewis, Mary L., Americus, Ga. Hair tonic. 189,614; Sept. 23; Serial No. 195,293; published July 8, 1924.
Libbey, Henry A., Waban, Mass. Packages, containers, and the like. 189,719; Sept. 23; Serial No. 185,470; published June 10, 1924.
Lloned Trading Co. Inc., New York, N. Y. Perfumes. 189,508; Sept. 23; Serial No. 192,629; published July 8, 1924.
London Shoe Company, Inc., New York, N. Y., and Chicago, Ill. Shoes. 189,517; Sept. 23; Serial No. 194,279; published July 8, 1924.
MacMasters, William P., Portland, Oreg. Leaders for fishing lines. 189,553; Sept. 23; Serial No. 196,962; published July 22, 1924.
Macri, Edward J., New York, N. Y. Market reports, financial and business charts, etc. 189,743; Sept. 23; Serial No. 196,465; published July 1, 1924.
Magill-Weinsheimer Company, Chicago, Ill. Window envelopes. 189,511–12; Sept. 23; Serial Nos. 193,528–9; published July 1, 1924.
Maltz & Sims, New York, N. Y. Hand bags, vanity cases, and pocketbooks. 189,639; Sept. 23; Serial No. 194,074; published May 27, 1924.
Manchester Cigar Company. (See Reichard, John F.)
Mango Tanl Corporation, Brooklyn and Coney Island, N. Y. Shampoos and hair tonic. 189,627; Sept. 23; Serial No. 196,536; published July 8, 1924.

Manhattan Shirt Co., The, New York, N. Y. Outer shirts, dress shirts, collars, pyjamas. 189,514; Sept. 23; Serial No. 193,843; published July 8, 1924.
Manning, Maybelle, New York, N. Y. Ladies' gowns and dresses. 189,785; Sept. 23.
Martin, Jeanette, Tucson, Ariz. Preparation for the treatment of all forms of inflammation, tonsillitis, etc. 189,590; Sept. 23; Serial No. 180,380; published July 8, 1924.
McCutcheon, James, & Company, New York, N. Y. Feather and down pillows, cribs, nursery chairs, etc. 189,759; Sept. 23; Serial No. 193,234; published July 8, 1924.
McGraw Hill Company, Inc., New York, N. Y. Trade journal. 189,738; Sept. 23; Serial No. 197,385; published July 8, 1924.
McNab, Frank O., doing business as The Southern Remedy Company, Tampa, Fla. Tonic laxative medicine. 189,572; Sept. 23; Serial No. 197,207; published July 8, 1924.
Meeker, A. R., & Company, Newark, N. J. Paper. 189,617; Sept. 23; Serial No. 195,825; published July 1, 1924.
Melby, Olaf, Summit, S. Dak. Ointment. 189,591; Sept. 23; Serial No. 182,055; published July 8, 1924.
Meredith, Ralph B., Lindsay, Calif. Pomegranate sirup. 189,564; Sept. 23; Serial No. 191,495; published July 22, 1924.
Messer, Ed., Confectionery Co., The, Cincinnati, Ohio. Candy. 189,648; Sept. 23; Serial No. 192,260; published July 8, 1924.
Meyer, Theodore, Philadelphia, Pa. Antiseptics, deodorizers, disinfectants, etc. 189,620; Sept. 23; Serial No. 195,979; published July 8, 1924.
Middle West Laboratories, Bloomington, Ill. Throat tablets, etc. 189,618; Sept. 23; Serial No. 195,826; published July 8, 1924.
Morice Twine Mills Corporation, Wilmington, Del., and New York, N. Y. Twine. 189,808; Sept. 23.
Morrell, John, & Co., Ottumwa, Iowa. Canned peas and butter. 189,595; Sept. 23; Serial No. 187,118; published July 8, 1924.
Mountain City Mill Co., Inc., Chattanooga, Tenn. Plain and self-rising flour. 189,709–10; Sept. 23; Serial Nos. 197,765–6; published July 22, 1924.
Moyans. (See Henius, Emil T.)
Mutual Thread Company, New York, N. Y. Threads and yarns. 189,779; Sept. 23.
National Lock Washer Company, The, Newark, N. J. Window-shade curtains. 189,764; Sept. 23; Serial No. 189,860; published July 8, 1924.
Navarro, Hijo de Juan J., Espinardo-Murcia, Spain, and New York, N. Y. Paprika and capers. 189,605; Sept. 23; Serial No. 194,928; published June 24, 1924.
Nelson, William M., Modesto, Calif. Fresh citrous fruits, fresh deciduous fruits, fresh grapes, etc. 189,712; Sept. 23; Serial No. 197,896; published July 22, 1924.
Nestor Johnson Mfg. Co., Chicago, Ill. Ice skates. 189,547; Sept. 23; Serial No. 197,767; published July 22, 1924.
Neumann, Leo, Berlin, Germany. Toy. 189,549–50; Sept. 23; Serial Nos. 197,443–4; published July 22, 1924.
New Haven Bread Co., The, New Haven, Conn. Macaroni. 189,574; Sept. 23; Serial No. 196,965; published July 8, 1924.
New York Cloak & Suit House of Los Angeles, Los Angeles, Calif. Women's, misses', and girls' clothing. 189,521–2; Sept. 23; Serial No. 194,368–9; published July 8, 1924.
Nicholson, S. H., Decatur, Ill. Laxative. 189,525; Sept. 23; Serial No. 196,629; published July 8, 1924.
Nicholson, S. H., Decatur, Ill. Ointment. 189,524; Sept. 23; Serial No. 196,628; published July 8, 1924.
Norman, Samuel, Astoria, N. Y. Remedy for stomach, nerves, and intestinal disorders. 189,507; Sept. 23; Serial No. 192,335; published July 8, 1924.
Oakes & Burger Co., Cattaraugus, N. Y. Cans, tanks, pails, etc. 189,644; Sept. 23; Serial No. 193,305; published July 1, 1924.
Oildom Publishing Co., Inc., Bayonne, N. J., and New York, N. Y. Monthly magazine. 189,769; Sept. 23; Serial No. 179,817; published July 8, 1924.
Opitz, Charles F., doing business as Vilamar Perfumer, Long Island City, N. Y. Talc for use as a toilet powder. 189,578; Sept. 23; Serial No. 196,670; published July 8, 1924.
Oswego River Paper Mills, Phoenix, N. Y. Toilet paper. 189,505; Sept. 23; Serial No. 191,136; published June 10, 1924.
Ottenheimer Bros. Inc., Baltimore, Md. Refrigerators, refrigerating machinery, and refrigerator show cases. 189,666; Sept. 23; Serial No. 195,237; published June 10, 1924.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Flavoring extracts. 189,573; Sept. 23; Serial No. 197,217; published July 8, 1924.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Flavoring extracts. 189,576; Sept. 23; Serial No. 197,041; published July 8, 1924.
Pacific Wholesale Grocery Co., Los Angeles, Calif. Canned goods, tea, etc. 189,530; Sept. 23; Serial No. 196,133; published July 8, 1924.
Page and Jones, doing business as Ideal Hosiery Mills, Philadelphia, Pa. Infants' and children's hosiery. 189,594; Sept. 23; Serial No. 186,014; published July 8, 1924.
Pennsylvania Pulverizing Company, Lewistown, Pa. Pulverized or ground silica. 189,661; Sept. 23; Serial No. 194,292; published July 8, 1924.
Perkins, Floyd R., doing business as The Spot Candy Company, Chicago, Ill. Candy. 189,681–8; Sept. 23; Serial Nos. 196,263–70; published July 22, 1924.
Perkins Glue Company, Lansdale, Pa. Starch-glue material. 189,672–3; Sept. 23; Serial Nos. 195,183–4; published June 10, 1924.
Pletzuch, Joseph, Cincinnati, Ohio. Boots, shoes, slippers. 189,587; Sept. 23; Serial No. 177,405; published July 8, 1924.
Pinto, Frank, Brooklyn, N. Y. Liquid antiseptics and ointments. 189,606; Sept. 23; Serial No. 194,944; published July 8, 1924.
Pioneer Coffee Company, Moorhead, Minn. Coffee. 189,583; Sept. 23; Serial No. 160,024; published Feb. 12, 1924.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Catchup, eggs in the shell, etc. 189,575; Sept. 23; Serial No. 196,969; published July 8, 1924.
Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Lard and bacon. 189,701; Sept. 23; Serial No. 196,968; published July 22, 1924.
Pontiac Knitting Mills Company, The, Cleveland, Ohio. Sweaters. 189,503; Sept. 23; Serial No. 190,977; published July 8, 1924.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 189,723; Sept. 23; Serial No. 182,175; published Dec. 11, 1923.
Prentiss, William, jr., also doing business as California Almond Confections Company, Long Beach, Calif. Candy, nuts, confections. 189,632; Sept. 23; Serial No. 194,476; published July 22, 1924.
Prince, H. M., Detroit, Mich. Grape juice. 189,554; Sept. 23; Serial No. 196,928; published July 22, 1924.
Public Ledger Company, Philadelphia, Pa. Title for a series of newspaper articles. 189,753; Sept. 23; Serial No. 195,538; published July 1, 1924.
Pull-The-String Mailing Wrapper Co., Chicago, Ill. Mailing wrapper. 189,615; Sept. 23; Serial No. 195,459; published July 1, 1924.
Purity Bread Company, The, Pueblo, Colo. Macaroni, spaghetti, noodles, and vermicelli. 189,781; Sept. 23.
Randolph & Miller, Clearwater, Fla. Fresh and canned fruits. 189,718; Sept. 23; Serial No. 187,640; published July 22, 1924.
Rath Packing Company, The, Waterloo, Iowa. Hams and bacon. 189,645; Sept. 23; Serial No. 193,070; published July 22, 1924.
Reed Air Filter Company, Louisville, Ky. Filters for aeriform fluids. 189,660; Sept. 23; Serial No. 193,681; published July 8, 1924.
Reichard, John F., doing business as Manchester Cigar Company, York, Pa. Cigars. 189,600; Sept. 23; Serial No. 190,707; published July 8, 1924.
Repetti, Inc., Long Island City, N. Y. Candy. 189,643; Sept. 23; Serial No. 193,355; published July 22, 1924.
Research Club, Inc., Chicago, Ill. Rubber-tube patching, inner tubes, etc. 189,654–5; Sept. 23; Serial Nos. 188,434–5; published July 1, 1924.
Retail Ledger Publishing Company, Philadelphia, Pa. Magazine. 189,740; Sept. 23; Serial No. 196,195; published July 8, 1924.
Reyes, José E. A., Tampa, Fla. Cigars and cigarettes. 189,558; Sept. 23; Serial No. 194,947; published July 22, 1924.
Roach Tisdale & Co., Minneapolis, Minn. Chocolate bars. 189,705; Sept. 23; Serial No. 197,561; published July 22, 1924.
Rocky Mountain Novelty Company, The, Denver, Colo. Refrigerators. 189,662; Sept. 23; Serial No. 194,416; published June 10, 1924.
Rogers and Kicklighter, Alexandria, Va. Hollow concrete tile. 189,623; Sept. 23; Serial No. 196,881; published July 1, 1924.
Romano, Jacques, New York, N. Y. Liquid toilet cream. 189,580; Sept. 23; Serial No. 196,622; published July 8, 1924.
Rosedor Cigarette Co., New York, N. Y. Cigarettes. 189,536; Sept. 23; Serial No. 196,404; published July 8, 1924.
Rosenblum, Louis, Brooklyn, N. Y. Potatoes, cabbage, turnips, and apples. 189,798; Sept. 23.
Rowntree and Company, Limited, doing business as Rowntree's and Rowutree & Co. Limited, York, England, and Poughkeepsie, N. Y. Cough drops. 189,541; Sept. 23; Serial No. 196,546; published June 17, 1924.
Royal Malt & Hops Co., New York, N. Y. Malt sirup. 189,561; Sept. 23; Serial No. 194,570; published July 22, 1924.
Royal Poultry Farm, New Lebanon, Ohio. Eggs. 189,728; Sept. 23; Serial No. 174,801; published July 22, 1924.
Rural Publishing Corp., The, Chicago, Ill. Publication. 189,736; Sept. 23; Serial No. 197,298; published July 8, 1924.
Russian Food Products Company, Inc., The, New York, N. Y. Canned caviar. 189,543; Sept. 23; Serial No. 197,051; published July 22, 1924.
Safetee Glass Company. (See Kolb, Louis J.)

Salz Bros. Inc., New York, N. Y. Mechanical pencils. 189,579; Sept. 23; Serial No. 196,883; published June 24, 1924.
Sanborn, Geo. W., & Sons, Astoria, Oreg. Canned salmon. 189,774; Sept. 23.
Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 189,799–802; Sept. 23.
Schoellkopf, Henry, Sons, Chicago, Ill. Malt extract. 189,807; Sept. 23.
Schoen & Yondorf Co. Inc., New York, N. Y. Dolls. 189,518; Sept. 23; Serial No. 194,132; published May 27, 1924.
Selchow & Richter Company, New York, N. Y. Educational games. 189,567; Sept. 23; Serial No. 180,343; published July 22, 1924.
Service Bag Co. Inc., New York, N. Y. Merchandise receptacles or envelopes. 189,638; Sept. 23; Serial No. 194,133; published June 10, 1924.
Shamey, Nicholas J., doing business as Eatmor Potato Chip Company, Springfield, Mass. Potato chips. 189,711; Sept. 23; Serial No. 197,836; published July 22, 1924.
Silent Glow Oil Burner Corporation, The, West Hartford, Conn. Oil burners. 189,624; Sept. 23; Serial No. 196,715; published July 8, 1924.
Simons, Marvin A., doing business as Simons Punch and Crush Company, Eureka, Calif. Beverages and sirups for making the same. 189,548; Sept. 23; Serial No. 197,456; published July 22, 1924.
Simplex Metal Products Corporation, New York, N. Y. Game. 189,551; Sept. 23; Serial No. 197,342; published July 22, 1924.
Sinclair, Robert, Tobacco Company, Limited, The, Newcastle-on-Tyne, England. Snuff and smoking tobacco. 189,534; Sept. 23; Serial No. 196,353; published July 8, 1924.
Sipe, James B., & Company, Pittsburgh, Pa. Combination of oils to be added to paint. 189,792; Sept. 23.
Smith, Max, doing business as Max Smith Company, Philadelphia, Pa. Ladies' bathing suits. 189,533; Sept. 23; Serial No. 196,319; published July 8, 1924.
Smith, Thomas W., doing business as The Annondale Co., St. Paul, Minn. Powder-puff containers. 189,725; Sept. 23; Serial No. 178,476; published July 10, 1924.
Smith, William A., doing business as Smith Auto Accessory Co., Indianapolis, Ind. Impregnated dusting cloths. 189,782; Sept. 23.
Snyder, Jack, Publishing Company, Incorporated, New York, N. Y. Printed music. 189,756; Sept. 23; Serial No. 194,134; published July 8, 1924.
Soc. An. Fsco. Cinzano & Cia., Turin, Italy. Beverages sold as soft drinks. 189,568; Sept. 23; Serial No. 180,245; published July 22, 1924.
Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné," Royat, France. Furniture and upholstery. 189,763; Sept. 23; Serial No. 191,413; published July 8, 1924.
Socony Burner Corporation, New York, N. Y. Burners. 189,656; Sept. 23; Serial No. 190,618; published July 8, 1924.
Solar-Sturges Mfg. Co., Chicago, Ill. Milk cans. 189,775; Sept. 23.
South Side Broom Co., Chicago, Ill. Brooms. 189,555; Sept. 23; Serial No. 196,831; published July 22, 1924.
Southern Remedy Company. (See McNab, Frank O.)
Southern Wooden Ware Co., Nashville, Tenn. Paper bags. 189,697; Sept. 23; Serial No. 196,549; published June 17, 1924.
Soy Bean Flour & Oborochi Mfg. Co., Petaluma, Calif. Shredded lobster. 189,646; Sept. 23; Serial No. 192,585; published July 22, 1924.
Spiegl, E. H., San Francisco, Calif. Fresh fruits and vegetables. 189,700; Sept. 23; Serial No. 196,689; published July 22, 1924.
Spot Candy Company, The. (See Perkins, Floyd R.)
Standard Motor Products Co., Long Island City, N. Y. Piston rings. 189,650; Sept. 23; Serial No. 161,586 published Jan. 23, 1923.
Steppacher, Walter M., & Bro., Inc., Philadelphia, Pa. Shirts. 189,607; Sept. 23; Serial No. 195,024; published July 8, 1924.
Sterling Wheelbarrow Co., Milwaukee, Wis. Wheelbarrows. 189,652; Sept. 23; Serial No. 182,018; published July 8, 1924.
Stiglitz Furnace Company, Louisville, Ky. Furnaces. 189,786; Sept. 23.
Stimulade Company, The, Savannah, Ga. Beverages sold as soft drinks. 189,552; Sept. 23; Serial No. 197,177; published July 22, 1924.
Straub, W. F., Laboratories, Inc., Chicago, Ill. Chemical solvent. 189,542; Sept. 23; Serial No. 196,552; published July 8, 1924.
Stringo Co. Berg & Bilde, Gottenborg, Sweden. Solution of rubber. 189,722; Sept. 23; Serial No. 182,187; published June 17, 1924.
Stumpp & Walter Co., New York, N. Y. Seeds and bulbs. 189,785; Sept. 23.
Suchar Process Corporation, Dover, Del. Carbons and carbonaceous materials for use in filtering, etc., liquids. 189,657; Sept. 23; Serial No. 190,944; published June 10, 1924.
Superior Novelty Mfg. Co., Inc., Linden, N. J. Combs. 189,739; Sept. 23; Serial No. 196,141; published July 1, 1924.
Sussman, Wormser & Co., San Francisco, Calif. Canned figs. 189,674; Sept. 23; Serial No. 195,465; published July 22, 1924.
Sussman, Wormser & Co., San Francisco, Calif. Canned fruits and vegetables, jellies, honey, etc. 189,593; Sept. 23; Serial No. 184,480; published June 24, 1924.
Susstrong, Carl A., doing business as Elstrong Mfg. Co., Chicago, Ill. Bloomers. 189,585; Sept. 23; Serial No. 172,618; published July 8, 1924.
Swanson, Albert, doing business as Swanson Supply Co., Seattle, Wash. Rubber repair compounds. 189,788; Sept. 23.
Swine Breeders Pure Serum Company, Thorntown, Ind. Anti-hog-cholera serum and hog-cholera virus. 189,588; Sept. 23; Serial No. 177,526; published July 8, 1924.
Swinehart Tire and Rubber Company, The, Akron, Ohio. Tires and tubes. 189,778; Sept. 23.
T-A-D Company, Chicago, Ill. Trading cards. 189,741; Sept. 23; Serial No. 196,271; published July 8, 1924.
Tees, John M., doing business as J. M. Tees Company, San Francisco, Calif. Game. 189,557; Sept. 23; Serial No. 195,724; published July 22, 1924.
Texas Mill & Elevator Company, Abilene, Tex. Dairy ration, dairy feed, cow feed, etc. 189,729; Sept. 23; Serial No. 169,427; published July 22, 1924.
Textile Publishing Company, New York, N. Y. Publication. 189,765; Sept. 23; Serial No. 188,454; published July 8, 1924.
Thackery, Thomas W., jr., Chicago, Ill. Wardrobe traveling cases. 189,721; Sept. 23; Serial No. 183,089; published Dec. 25, 1923.
Thompson Brogan Co., Yonkers, N. Y. Annual publication. 189,734; Sept. 23; Serial No. 197,229; published July 8, 1924.
Tiley Pratt Co., The, Essex, Conn. Nipples and steel spokes. 189,621; Sept. 23; Serial No. 197,230; published July 8, 1924.
Topics, Inc., Chicago, Ill. Magazine. 189,760; Sept. 23; Serial No. 193,196; published July 8, 1924.
Townsend, Horace, Philadelphia, Pa. Beverages and sirups for making same. 189,570; Sept. 23; Serial No. 197,506; published July 8, 1924.
Tribune Company, The, Chicago, Ill. Series of cartoons. 189,745–9; Sept. 23; Serial Nos. 197,509–13; published July 8, 1924.
Turner & Walls, New York, N. Y. Cotton, silk, etc., shirtings in the piece. 189,529; Sept. 23; Serial No. 196,084; published July 8, 1924.
Tyler, Benjamin, doing business as Interstate Laboratory, Cleveland, Ohio. Pharmaceutical preparation for minor wounds and skin abrasions. 189,526; Sept. 23; Serial No. 196,636; published July 8, 1924.
U-Del-Lay Laboratories. (See Udell, Charles.)
Udell, Charles, and sometimes known as U-Del-Lay Laboratories, St. Louis, Mo. Hair tonic and fixative. 189,538; Sept. 23; Serial No. 196,491; published July 8, 1924.
Umanoff, David, doing business as Crownolo Manufacturing Co., New York, N. Y. Attachments for telephones. 189,602; Sept. 23; Serial No. 194,632; published June 17, 1924.
United Bakeries Corporation, New York, N. Y. Bread. 189,689–93; Sept. 23; Serial Nos. 196,273–7; published July 22, 1924.
United Creditors' Association, Los Angeles, Calif. Printed forms of letters and circulars. 189,586; Sept. 23; Serial No. 175,280; published July 1, 1924.
United Feature Syndicate, Inc., New York, N. Y. Cartoons, column pictures, and drawings. 189,744; Sept. 23; Serial No. 196,494; published July 1, 1924.
Union Label Press. (See Archibald, C. B.)
Victor Buyers' Commodity Service, Inc., Boston, Mass. Weekly publication. 189,766–7; Sept. 23; Serial Nos. 188,285–6; published July 1, 1924.
Vilamar, Perfumer. (See Opitz, Charles F.)
Virden Packing Company, South San Francisco, Calif. Meat loaf, sugar-cured bacon, souse, etc. 189,731. Sept. 23; Serial No. 164,282; published June 5, 1923.
Wallace, R., & Sons Mfg. Co., Wallingford, Conn. Boxes and containers for silverware. 189,637; Sept. 23; Serial No. 194,144; published June 10, 1924.
Welded Products Manufacturing Co., Milwaukee, Wis. Trailers, hand and wagon trucks, and dollies. 189,658; Sept. 23; Serial No. 191,244; published July 8, 1924.
Welfare Incorporated, Missoula, Mont. School desks and book rests. 189,750; Sept. 23; Serial No. 197,523; published July 8, 1924.
Wheary-Burge Trunk Company, Racine, Wis. Trunks. 189,727; Sept. 23; Serial No. 175,228; published July 1, 1924.
White Coast Packing Co., Cut Off, La. Canned shrimp. 189,715; Sept. 23; Serial No. 189,926; published July 22, 1924.
White Sulphur Springs, Inc., White Sulphur Springs, W. Va. Mineral waters. 189,569; Sept. 23; Serial No. 197,462; published July 8, 1924.
Wire Wheel Corporation of America, Buffalo, N. Y. Road wheels for motor vehicles and parts thereof. 189,665; Sept. 23; Serial No. 194,965; published July 8, 1924.
Wisconsin Coffee Company, Stevens Point, Wis. Coffee. 189,640; Sept. 23; Serial No. 193,977; published July 22, 1924.

Wyandot Clay Products Company, Upper Sandusky, Ohio. Bricks. 189,629; Sept. 23; Serial No. 196,097; published July 1, 1924.
Yaffa Bros., Brooklyn, N. Y. Medicinal treatment for coughs and colds. 189,527; Sept. 23; Serial No. 196,042; published July 8, 1924.
Zakarian, Garbis, New York, N. Y. Preparation for medicinal purposes. 189,803; Sept. 23.
Zanesville Engineering and Refrigerating Co., Zanesville, Ohio. Refrigerating and ice-making machines. 189,659; Sept. 23; Serial No. 192,873; published June 10, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adam Brothers Company, Houston, Tex. Pickles, vinegar, olives, etc. 194,149; Sept. 23.
Adams, D. E., Company, Inc., New York, N. Y. Silk threads or yarns. 200,376; Sept. 23.
Allison, Estelle V., New York, N. Y. Dolls. 201,169; Sept. 23.
Alson Chemical Company. (See Jacobson, Albert.)
Andrews Radio Company, Chicago, Ill. Radio receiving sets and parts thereof. 200,176; Sept. 23.
Angel, Barnardo, New York, N. Y. Coffee. 200,921; Sept. 23.
Angelo Bros. Limited, Calcutta, British India. Gum and orange shellacs and button and garnet lacs. 195,610–13; Sept. 23.
Angelo Bros. Limited, Calcutta, British India. Gum and orange shellacs, button and garnet lacs. 195,615; Sept. 23.
Angelo Bros. Limited, Calcutta, British India. Gum and orange shellacs, button and garnet lacs. 195,617–19; Sept. 23.
Annin & Co., New York, N. Y. Silk piece goods. 199,770; Sept. 23.
Annin & Co., New York, N. Y. Silk piece goods. 200,085; Sept. 23.
Arabol Mfg. Co., The, New York, N. Y. Paste powder. 198,207; Sept. 23.
Arthur, Helen M., Springfield, Ohio. Women's and children's hats. 198,605; Sept. 23.
Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 200,744; Sept. 23.
Auburndale Citrus Growers Association, Auburndale, Fla. Fresh citrons fruits. 196,786; Sept. 23.
Automatic Gold Chain Co., Providence, R. I. Buckles, key rings, chain fasteners, etc. 200,237; Sept. 23.
B. & M. Laboratories. (See Price, Eugene S.)
Ballston Knit Glove Company, The, Ballston and Ballston Spa, N. Y. Knit gloves. 198,610; Sept. 23.
Barbey, Henry J., doing business as Barbey Packing Co., Warrenton, Oreg. Canned salmon. 197,983; Sept. 23.
Barnet Leather Co., Inc., New York, N. Y. Calf leather. 177,762; Sept. 23.
Baron, Alexander, Brooklyn, N. Y. Toy watch bracelets and wrist purses. 200,416; Sept. 23.
Beck Manufacturing Co., Sioux City, Iowa. Oil cans. 198,981; Sept. 23.
Beckman, Ben, doing business as Beckman's Fur Factory, Los Angeles, Calif. Fur capes, coats, wraps, and neck pieces. 194,428; Sept. 23.
Beech-Nut Packing Company, Canajoharie, N. Y. Toilet soap and shaving cream. 200,471; Sept. 23.
Benjamin, E. V., Company, Inc., The, doing business as Magginnis Cotton Mills, New Orleans, La. Cotton piece goods. 200,977; Sept. 23.
Berg, Frederick O., doing business as F. O. Berg Company, Spokane, Wash. Tables, chairs, stools, and wardrobes. 189,351; Sept. 23.
Bob Cap Co., doing business as Nobby Cap Company, St. Louis, Mo. Men's and boys' cloth caps. 192,670; Sept. 23.
Booth Packing Company, The, branch of Gibbs & Company Inc., Baltimore, Md. Tomato catchup, canned goods, and pork and beans. 182,959; Sept. 23.
Boy Scouts of America, New York, N. Y. Magazine section. 199,877; Sept. 23.
Bragmans Bluff Lumber Company, Inc., New Orleans, La. Lumber. 199,742; Sept. 23.
Bruns, William X., doing business as The Speedometer Man, Chicago, Ill. Speedometer-shaft hangers. 200,429; Sept. 23.
Bubh, Geo., & Sons, Williamsport, Pa. Canned goods and coffee. 185,003; Sept. 23.
C. & C. Company, Everett, Mass. Metal and glass polish. 179,026; Sept. 23.
Campbell & Dann Manufacturing Company, The, Tullahoma, Tenn. Hardwood flooring. 191,002; Sept. 23.
Campbell, Metzger & Jacobson, New York, N. Y. Doilies, centerpieces, napkins, etc. 200,035; Sept. 23.
Central Drug Co., Milwaukee, Wis. Cough drops. 186,586; Sept. 23.
Chase, James F., East Machias, Me. Canned clams. 201,178; Sept. 23.
Chemical Research Company of Lynn, Mass., Chicago, Ill. Combination cement. 183,907; Sept. 23.
Christo Syrup Co, Inc., Richmond, Va. Ginger ale. 199,108; Sept. 23.
Clayton, Arthur, Berkeley, Calif. Billiard cues. 200,807; Sept. 23.
Clean-All Manufacturing Company, Syracuse, N. Y. Cleanser for cleaning silverware, woodwork, and the like. 197,992; Sept. 23.
Climax Specialty Company, St. Louis, Mo. Babies' nightgowns, bands, sacks, etc. 196,513; Sept. 23.
Collegiate World Publishing Company, The, Chicago, Ill. Magazine. 200,809; Sept. 23.
Colson, U. O., Company, Paris, Ill. Toilet fans. 199,678; Sept. 23.
Columbia Tire and Rubber Company, The, Mansfield, Ohio. Inner tubes and tires. 183,021–2; Sept. 23.
Comfy Apron Co., Woodhaven, N. Y. Aprons. 198,935; Sept. 23.
Cones, C. B., & Son Mfg. Co., The, Indianapolis, Ind. Work shirts. 185,567; Sept. 23.
Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Wireless signal-receiving apparatus and parts thereof. 200,353; Sept. 23.
Cordner Products Company, Chicago, Ill. Sandwiches. 201,180–1; Sept. 23.
Corning Glass Works, Corning, N. Y. Glass fruit jars. 197,993; Sept. 23.
Crilly, Stanley F., Altoona, Pa. Metal spigots, pipe unions, pipes, and pipe L's. 166,133; Sept. 23.
Crocker, William W., Salina, Kans. Composition of matter for application to phonograph records to reduce noises. 199,219; Sept. 23.
Danforth, Sidney L., doing business as Lincoln Shoe Company, St. Paul, Minn. Leather shoes. 198,701; Sept. 23.
Dan-Glo Manufacturing Co., Boston, Mass. Cleaning liquid for woodwork, nickel, and glassware. 200,713; Sept. 23.
Deltox Grass Rug Company, Oshkosh, Wis. Fiber rugs. 201,183; Sept. 23.
Doubleday Page Book Shop Company, Garden City, N. Y. Leaflets, books, etc. 188,106; Sept. 23.
Dunham, Carrigan & Hayden Co., San Francisco, Calif. Adzes, hammers, saw sets, etc. 188,540; Sept. 23.
Du Pont Publishing Company, The. (See Spadea, James V.)
Earley, Alice W., Los Angeles, Calif. Toilet preparation to cleanse the skin. 171,351; Sept. 23.
Eastman Kodak Company, Rochester, N. Y. Photographic plates. 200,810; Sept. 23.
Economy Fountain Company, Birmingham, Ala. Soda fountains and equipment therefor. 197,471; Sept. 23.
Eesley, J. F., Milling Co., Plainwell, Mich. Wheat flour. 199,981; Sept. 23.
Egan and Hausman Company, Inc., New York, N. Y. Flat paint for interior. 196,733; Sept. 23.
Electronet Sales Company, Salt Lake City, Utah. Electrical appliances. 183,141; Sept. 23.
Elles, Ed. C., Marion, Ill. Hosiery. 196,584; Sept. 23.
Excelsior Varnish Works. (See Vick, Christian.)
Farwell, John V., Company, Chicago, Ill. Bedspreads, bedsprend bolsters, comfortables, etc. 171,210; Sept. 23.
Flint Varnish & Color Works, Flint, Mich. Paint enamels, body colors, varnish, etc. 195,878; Sept. 23.
Flintkote Company, The, Boston, Mass. Mineral-surfaced asphalt shingles and roofing. 198,999; Sept. 23.
Fulton Paint Co., The, Cleveland, Ohio. Coating material in the nature of a paint. 184,720; Sept. 23.
Gallagher Fruit Company, Alviso, Calif. Fresh pears. 200,880; Sept. 23.
Gardner Governor Company, The, Quincy, Ill. Governors, pumps, and compressors, and parts of said mechanisms. 199,779; Sept. 23.
Gardner Governor Company, The, Quincy, Ill. Speed and pressure regulators, compressors, pumps, and parts of said mechanisms. 199,781; Sept. 23.
Garnean, Jos., Co., Inc., The, New York, N. Y. Canned fish. 199,160; Sept. 23.
Garrett, Le Roy D., doing business as The Sumora Candy Co., Philadelphia, Pa. Candy. 199,882; Sept. 23.
Gimbel Brothers, New York, New York, N. Y. Silk piece goods. 177,841; Sept. 23.
Globe Lighting Fixture Mfg. Company, New York, N. Y. Electric-lighting fixtures and parts thereof. 200,252; Sept. 23.
Gorham Manufacturing Company, Providence, R. I. Metal statuary, memorial tablets, and other memorials in metal. 152,248; Sept. 23.
Gottlieb Bros., New York, N. Y. Knitting pins, crochet hooks, hand sewing needles, thimbles, etc. 175,012; Sept. 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Grady Mfg. Co., The, Long Island City, N. Y. Metal polishes. 200,442; Sept. 23.

Gravenstein Apple Growers Cooperative Assn. of Sonoma County, Sebastopol, Calif. Fresh apples. 200,988; Sept. 23.

Greaney, Thomas E., doing business as Standard Neckwear Company, Boston, Mass. Neckties, cravats, and scarfs. 199,472; Sept. 23.

Halcyon Insulator Company. (See London, Isador.)

Hanlin Supply Company, The, Newton, Kans. Canned goods, sugar, rice, wheat flour, etc. 194,061; Sept. 23.

Hansen, Emil C., doing business as Sanivac Company, Portland, Me. Disinfectant. 199,554; Sept. 23.

Hart Sash Holder Co. (See Kriehn, Frank.)

Haselhuhn, Louis E., Detroit, Mich. Face creams and powders, lotions, and creams. 191,768; Sept. 23.

Haskel, S., & Sons, Inc., Brooklyn, N. Y. Monuments and slabs and specimens of stone, granite, and marble. 199,618; Sept. 23.

Hennepin Mill Company, Minneapolis, Minn. Wheat flour. 177,738; Sept. 23.

Holland Shoe Co., Holland, Mich. Leather boots and shoes. 198,522; Sept. 23.

Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands. Cocoa. 199,426; Sept. 23.

Hollins, William, & Co., Ltd., London and Mansfield, England. Negligee shirts, collars, pyjamas, dressing gowns, etc. 161,004; Sept. 23.

Holstein, Michael B., Richland, Pa. Air pumps. 200,445; Sept. 23.

Home Makers of the World, Chicago, Ill. Publications. 198,410–11; Sept. 23.

Horrocks-Ibbotson Co., Utica, N. Y. Fishing line. 200,559; Sept. 23.

Hubach's Products Co., Tiffin, Ohio. Ice cream, butter, milk, cheese. 197,936; Sept. 23.

Huber Baking Company, Wilmington, Del. Bread, cakes, pies, buns, and rolls. 195,063; Sept. 23.

Hughes, R. M., & Co., Louisville, Ky. Synthetic drinks and fruit juices for beverage purposes. 185,465; Sept. 23.

Hydraulic Engineering & Equipment Co. (See Kochenderfer, Wm. B.)

Imperial Type Metal Co., Philadelphia, Pa. Type metal. 199,752; Sept. 23.

International Milling Company, Minneapolis, Minn. Wheat flour. 198,369; Sept. 23.

International Milling Company, Minneapolis, Minn. Wheat flour. 200,885; Sept. 23.

Jacobs, David, Corporation, New York, N. Y. Hosiery. 197,600; Sept. 23.

Jacobson, Albert, doing business as Alson Chemical Company, New York, N. Y. Headache powders. 199,226; Sept. 23.

Johnson, Charlton G., Columbus, Ga. Pharmaceutical preparation as a local application for burns, etc. 175,425; Sept. 23.

Kaltenbach & Stephens, Inc., New York, N. Y. Silk ribbon fabrics. 201,348; Sept. 23.

Kansas City Macaroni & Importing Co., Kansas City, Mo. Alimentary pastes. 192,623; Sept. 23.

Karpeles Company, Providence, R. I. Thread of all kinds. 200,990; Sept. 23.

Keene-Belvidere Canning Company, Belvidere, Ill. Canned peas and corn. 200,797; Sept. 23.

Killian, W. H., Co., The, Baltimore, Md. Canned vegetables. 198,805; Sept. 23.

Kirk, James S., & Company, Chicago, Ill. Soap. 178,446; Sept. 23.

Kirn-Reinicke Company, Inc., New York, N. Y. Figure toys. 200,720; Sept. 23.

Knefler Bates Mfg. Co., Indianapolis, Ind. Corn flour and core-binder material. 199,792; Sept. 23.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 193,048; Sept. 23.

Kochenderfer, Wm. B., doing business as Hydraulic Engineering & Equipment Co., Philadelphia, Pa. Hydraulic valves, pilot and elevator valves. 181,753; Sept. 23.

Kriehn, Frank, doing business as Hart Sash Holder Co., Lexington, Mo. Sash holders or fasteners. 200,203; Sept. 23.

La Resista Corset Co., Bridgeport, Conn. Corsets. 198,714; Sept. 23.

Lavitz, Herman, doing business as Dr. Young's Food Company, Brooklyn, N. Y. Malted milk. 199,558; Sept. 23.

Lavy, Chs., & Co., Hamburg, Germany. Rubber sheeting, waterproof materials, rugs, and felt. 191,327; Sept. 23.

Lavy, Chs., & Co., Hamburg, Germany. Rubber sheeting, waterproof materials, rugs, and felt. 191,632; Sept. 23.

Lebers, Ernest, New York, N. Y. Eggs, butter, and cheese. 194,719; Sept. 23.

Leiter, Geo. B., Norristown, Pa. Parlor board game. 200,502; Sept. 23.

Leland, Hubert E., New York, N. Y. Dolls. 201,247; Sept. 23.

Lincoln Shoe Company. (See Danforth, Sidney L.)

Lindahl, Anders, Stockholm, Sweden. Lemonade, soft drinks, and essences and extracts for preparing such drinks. 195,896; Sept. 23.

Lindahl, Anders, Stockholm, Sweden. Lemonade, soft drinks, and essences and extracts therefor. 200,398; Sept. 23.

London, Isador, doing business as Halcyon Insulator Company, New York, N. Y. Capacity bridges, midget and by-pass condensers. 200,108; Sept. 23.

M. B. M. Manufacturing Co., Milwaukee, Wis. Power cultivators and lawn mowers. 201,201; Sept. 23.

Macaulay, Kathleen E., New York, N. Y. Face and talcum powders. 190,644; Sept. 23.

Maginnis Cotton Mills. (See Benjamin, E. V., Company, Inc.)

Malouf, Tamer K., doing business as T. K. Malouf & Co., New York, N. Y. Salted and roasted pistachio nuts. 200,052–3; Sept. 23.

Manning Abrasive Company Incorporated, Troy, N. Y. Abrasive paper and cloth and combination of abrasive paper and cloth. 201,004; Sept. 23.

Mardorn Chemical Corporation, New York, N. Y. Mouth wash, gargle, and spray. 185,526; Sept. 23.

Mardorn Chemical Corporation, New York, N. Y. Pyorrhea remedy and preventive, dentifrice, etc. 185,527; Sept. 23.

Marshak Maltmolak Co. Inc., New York and Brooklyn, N. Y. Food products. 198,445; Sept. 23.

Marshall & Stearns Co., San Francisco, Calif. Beds, couches, and davenports. 199,377; Sept. 23.

McCord Radiator & Mfg. Co., Detroit, Mich. Cork gaskets. 199,949; Sept. 23.

Merck, E., Darmstadt, Germany. Preparation for the extermination of ectoparasites on men, animals, and plants. 196,668; Sept. 23.

Milboro Products Corporation, New York, N. Y. Yeast. 199,481; Sept. 23.

Morris, Emil, Detroit, Mich. Razor strops. 200,405; Sept. 23.

Mundet, L., & Son, Inc., Brooklyn, N. Y. Cork insulation, cork pipe covering, and cork tile. 197,287; Sept. 23.

Murdock & Wilcox, Los Angeles, Calif. Davenports, chairs, couches, etc. (2) 200,738; Sept. 23.

Naamlooze Vennootschap Hollandsche Kunstzijde Industrie, Emer, Breda, Netherlands. Artificial-silk thread and yarn. 195,410; Sept. 23.

National Department Stores, New York, N. Y. Beds and mattresses. 200,510; Sept. 23.

Nenburg, Alfred, New York, N. Y. Soaps. 201,369; Sept. 23.

Nichols Manufacturing Company, The, Bridgeport, Conn. Shirred elastic. 198,024; Sept. 23.

Nobby Cap Company. (See Bob Cap Co.)

No-Leak-O Piston Ring Company, Muskegon, Mich. Piston rings. 200,151; Sept. 23.

Oakley Chemical Company, New York, N. Y. Chemical compound recommended for cleaning, polishing, etc. 201,069–70; Sept. 23.

Oberle, Alfred, Oak Park, Ill. Liquid polishes for floors, automobiles, etc. 196,256; Sept. 23.

Obermayer, S., Co., The, Chicago, Ill. Fire brick in plastic form. 192,491; Sept. 23.

Paris, William R., doing business as Shopping Guide Publishing Company, Los Angeles, Calif. Periodical. 200,009; Sept. 23.

Parke, Corporation, Kalamazoo, Mich. Toilet soap. 201,371; Sept. 23.

Perfection Shine Polish Co., Du Quoin, Ill. Polish for automobiles and furniture. 195,596; Sept. 23.

Perrin, V., & Cie., Grenoble, France, and New York, N. Y. Leather gloves. 194,943; Sept. 23.

Phillips-Jones Corporation, New York, N. Y. Silk and cotton piece goods. 201,303; Sept. 23.

Phillips-Jones Corporation, New York, N. Y. Silk and silk and cotton piece goods. 201,306; Sept. 23.

Pintsch, Julius, Aktiengesellschaft, Berlin, Germany. Gas-producing plants. 195,597; Sept. 23.

Premier Syndicate, Inc., The, New York, N. Y. Cartoon. 200,727; Sept. 23.

Price, Eugene S., doing business as B. & M. Laboratories, Newark, N. J. Soda-mint granules, a medicinal preparation. 197,619; Sept. 23.

Pyramid Playing Card Co., Inc., Brooklyn, N. Y. Playing cards. 201,258–60; Sept. 23.

Quincy Show Case Works, Quincy, Ill. Show cases. 199,390; Sept. 23.

Raucci, Attilio, doing business as The Raucci Company, Pleasanton, Calif. Grape sirup. 198,762; Sept. 23.

Rite-Style Corporation, Norfolk, Va. Ladies' gymnasium suits and waists, middy suits, blouses, etc. 197,393; Sept. 23.

Rittenhouse & Sweetland, San Diego, Calif. Chiropractic machines. 196,544–5; Sept. 23.

Rosenthal, A. S., Co. Inc., New York, N. Y. Broad silk. 201,210; Sept. 26.

Rosenthal, Lewis & Ritter, New York, N. Y. Women's undergarments and hosiery. 198,088; Sept. 23.

Royal Blue Stores, Inc., Chicago, Ill. Canned goods, fruit preserves, spices, etc. 194,487; Sept. 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Royal Kiddy Ware Co., Inc., New York, N. Y. Infants' wear. 184,764; Sept. 23.

Rumsey, Clarence W., doing business as Rumsey Products Company, Wheaton, Ill. Preparation for cleaning dirt and grense from the hands. 200,900; Sept. 23.

Sanivac Company. (See Hansen, Emil C.)

Sauer, George A., Louisville, Ky. Soaps. 201,265; Sept. 23.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 189,522; Sept. 23.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 189,531–2; Sept. 23.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports and parts thereof, toe separators and straighteners, etc. 199,257–8; Sept. 23.

Schram Glass Manufacturing Co., St. Louis, Mo., and Hillsboro, Ill. Glass fruit jars. 199,953; Sept. 23.

Scientific Products, Inc., Chicago, Ill. Cleansing compound. 200,226; Sept. 23.

Shane, C. B., Co., Chicago, Ill. Raincoats and topcoats. 165,569; Sept. 23.

Shapiro, Louis, & Co., Inc., New York, N. Y. Men's ready-made suits and overcoats. 196,768; Sept. 23.

Shopping Guide Publishing Co. (See Paris, William R.)

Shostak Novelty Co. Inc., New York, N. Y. Children's pyjamas, sleeping garments, dresses, etc. 197,784; Sept. 23.

Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Corn oil. 200,530. Sept. 23.

Smith, Kline & French Company, Philadelphia, Pa. Medicines for diseases of the nervous system. 196,716; Sept. 23.

Smith-McCord-Townsend Dry Goods Co., Kansas City, Mo. Cotton piece goods. 186,393; Sept. 23.

Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles and parts thereof. 199,808; Sept. 23.

Société Rodier, Paris, France. Wool, cotton, silk, and mixture piece goods. 200,124; Sept. 23.

South Bend Bait Co., South Bend, Ind. Fishing baits and lines. 200,585; Sept. 23.

Spadea, James V., doing business as The Du Pont Publishing Company, Chicago, Ill. Literary publication. 200,969; Sept. 23.

Speedometer Man, The. (See Bruns, William N.)

Standard Corporation, The, New York, N. Y. Periodical and magazine. 198,824; Sept. 23.

Standard Neckwear Company. (See Greaney, Thomas E.)

Standard Pyroxoloid Corporation, Leominster, Mass. Glass mirrors and picture frames. 200,292; Sept. 23.

Starr Fruit Products Co., Portland, Oreg. Canned fruits, berries, and vegetables, fruit preserves, jams, and jellies. 200,906; Sept. 23.

Stedman Products Co., South Braintree, Mass. Flooring tiles, wainscoting, stair treads, etc. 199,809–10; Sept. 23.

Steel Products Corporation, Sheboygan, Wis. Bumper bars. 200,532; Sept. 23.

Stern, L., & Co., New York, N. Y. Dental supplies. 198,037; Sept. 23.

Straus, A. D., & Co., New York, N. Y. Cotton piece goods. 201,381; Sept. 23.

Strong, Hewat & Co. Inc., New York, N. Y. Woolen piece goods. 200,059; Sept. 23.

Strong, Hewat & Co. Inc., New York, N. Y. Woolen piece goods. 200,061–5; Sept. 23.

Sumora Candy Co., The. (See Garrett, Le Roy D.)

Sun Rubber Company, The, Barberton, Ohio. Water bottles, fountain syringes, ice caps, etc. 201,113; Sept. 23.

Swinney Brothers, Limited, Morpeth, England. Coal and oil cooking ranges and stoves. 198,428; Sept. 23.

Taylor, Loron A., East Cleveland, Ohio. Comic serial for newspapers, etc. 195,139; Sept. 23.

Teuscher, Louis, jr., St. Louis, Mo. Concentrated barley-malt extract. 197,304; Sept. 23.

Textile Publishing Company, New York, N. Y. Publication. 188,456; Sept. 23.

Trinidad Creamery Co., The, Trinidad, Colo. Creamery butter. 201,116; Sept. 23.

Twin Dry Cell Battery Company, The, Cleveland, Ohio. Electric batteries. 200,022; Sept. 23.

Union Iron Works of Los Angeles, Los Angeles, Calif. Materials for building construction. 193,688; Sept. 23.

Union Tool Company, Torrence, Calif. Oil-well tools and equipment. 185,097; Sept. 23.

Vick, Christian, doing business as Excelsior Varnish Works, Cleveland, Ohio. Varnishes, fillers, stains, etc. 191,678; Sept. 23.

Victor X-Ray Corporation, Chicago, Ill. Highly-sensitized photographic paper. 199,867; Sept. 23.

Victorius, A. V., & Co., New York, N. Y. Hosiery. 196,143; Sept. 23.

Walliser, H. F., Company, Chicago, Ill. Cords. 200,592; Sept. 23.

Washburn Crosby Company, Minneapolis, Minn. Self-rising wheat flour. 201,166; Sept. 23.

Waterproofing, Incorporated, Indianapolis, Ind. Cleaners, dressings, etc., for fabrics, leathers, and other materials. 200,837; Sept. 23.

Weber, Frank C., & Company, Chicago, Ill. Canned goods, dill pickles, and vanilla. 200,129; Sept. 23.

Weldit Brassiere Co., New York, N. Y. Brassières, bandeaux, and girdles. 184,111; Sept. 23.

Werner, Herman E., Akron, Ohio. Beverages sold as soft drinks. 198,827; Sept. 23.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,902–3; Sept. 23.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,905–12; Sept. 23.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,914; Sept. 23.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,916–17; Sept. 23.

Wheeler-Okell Company, Wilmington, Del., and Nashville, Tenn. Beds. 198,919; Sept. 23.

Whikan Corporation, The, Philadelphia, Pa. Receptacles for confections. 199,814; Sept. 23.

Woods, J. F., & Co., Shippensburg, Pa. Preparation for removing tar, polishing fenders, lamps, etc. 200,737; Sept. 23.

Wrigley, Wm., Jr., Company, Chicago, Ill. Chewing gum. 198,437; Sept. 23.

Young's, Dr., Food Company. (See Lavitz, Herman.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Big Vein Anthracite Collieries. 189,667; Sept. 23; Serial No. 195,329; published July 1, 1924.

Coal. C. H. Harnman. 189,772; Sept. 23.

Granite stone, Gray. Cassaday Grey Granite Company. 189,804; Sept. 23.

Leather. Endicott Johnson Corporation. 189,625; Sept. 23; Serial No. 196,585; published July 8, 1924.

Seeds and bulbs. Stumpp & Walter Co. 189,783; Sept. 23.

Silica. Pennsylvania Pulverizing Company. 189,661; Sept. 23; Serial No. 194,292; published July 8, 1924.

CLASS 2.

Bags, Burlap. M. M. Bosworth. 189,634; Sept. 23; Serial No. 194,252; published July 1, 1924.

Bags, Paper. Southern Wooden Ware Co. 189,697; Sept. 23; Serial No. 196,549; published June 17, 1924.

Boxes and containers for silverware. R. Wallace & Sons Mfg. Co. 189,637; Sept. 23; Serial No. 194,144; published June 10, 1924.

Boxes, Paper. George Franke Sons Company. 189,716; Sept. 23; Serial No. 189,245; published June 10, 1924.

Boxes, vases, cabinets, etc., Flower. Cook Woodcraft Co. 189,713; Sept. 23; Serial No. 191,675; published June 10, 1924.

Cans, Milk. Solar-Sturges Mfg. Co. 189,775; Sept. 23.

Cans, Paper. Eastern Paper Can & Tube Company. 189,677; Sept. 23; Serial No. 196,107; published June 17, 1924.

Cans, tanks, pails, etc. Oakes & Burger Co. 189,644; Sept. 23; Serial No. 193,305; published July 1, 1924.

Packages, containers, and the like. H. A. Libbey. 189,719; Sept. 23; Serial No. 185,470; published June 10, 1924.

Paper containers or cups. C. N. Bergmann. 189,675; Sept. 23; Serial No. 195,629; published July 1, 1924.

Powder-puff containers. T. W. Smith. 189,725; Sept. 23; Serial No. 178,476; published June 10, 1924.

Receptacles or envelopes, Merchandise. Service Bag Co. 189,638; Sept. 23; Serial No. 194,133; published June 10, 1924.

Spools and bobbins. Lestershire Spool & Mfg. Co. 189,647; Sept. 23; Serial No. 192,489; published June 10, 1924.

CLASS 3.

Hand bags, vanity cases, and pocketbooks. Maltz & Sims. 189,639; Sept. 23; Serial No. 194,074; published May 27, 1924.

Hatboxes. Hauser & Weil. 189,630; Sept. 23; Serial No. 194,643; published June 10, 1924.

Leather goods and novelties. H. E. Kaser Modeled Leather Corporation. 189,640; Sept. 23; Serial No. 192,258; published June 10, 1924.

Portfolios, pocketbooks, wallets, etc. Brown & Bigelow. 189,732; Sept. 23; Serial No. 160,744; published May 27, 1924.
Traveling cases, Wardrobe. T. W. Thackery, jr. 189,721; Sept. 23; Serial No. 183,089; published Dec. 25, 1923.
Trunks. Wheary-Burge Trunk Company. 189,727; Sept. 23; Serial No. 175,228; published July 1, 1924.
Vanity cases. Lefkowitz & Fisher, Inc. 189,676; Sept. 23; Serial No. 195,892; published June 17, 1924.

CLASS 4.

Dusting cloths, Impregnated. W. A. Smith. 189,782; Sept. 23.

CLASS 5.

Adhesives. Arabol Mfg. Co. 189,773; Sept. 23.
Rubber repair compounds. A. Swanson. 189,788; Sept. 23.
Rubber solution. Stringo Co. Berg & Bilde. 189,722; Sept. 23; Serial No. 182,187; published June 17, 1924.
Starch-glue material. Perkins Glue Company. 189,672–3; Sept. 23; Serial Nos. 195,182–4; published June 10, 1924.

CLASS 6.

Anesthetic. Franco American Chemical Works. 189,523; Sept. 23; Serial No. 196,015; published July 8, 1924.
Analgesic balm, bay rum, castor oil, etc. Corona Chemical Co. 189,582; Sept. 23; Serial No. 156,887; published April 29, 1924.
Antiseptics and ointments, Liquid. F. Pinto. 189,606; Sept. 23; Serial No. 194,944; published July 8, 1924.
Antiseptics, deodorizers, disinfectants, etc. T. Meyer. 189,620; Sept. 23; Serial No. 195,979; published July 8, 1924.
Chemical solvent. W. F. Straub Laboratories, Inc. 189,542; Sept. 23; Serial No. 196,552; published July 8, 1924.
Compound for destroying boll weevils, etc. Crawford & Luke. 189,610; Sept. 23; Serial No. 195,158; published July 8, 1924.
Cough drops. Rowntree and Company, Limited. 189,541; Sept. 23; Serial No. 196,546; published June 17, 1924.
Cream, Liquid toilet. J. Romano. 189,580; Sept. 23; Serial No. 196,622; published July 8, 1924.
Disinfectants and germicides. Graesser-Monsanto Chemical Works Limited. 189,597; Sept. 23; Serial No. 189,891; published July 8, 1924.
Hair tonic and fixative. C. Udell. 189,538; Sept. 23; Serial No. 196,491; published July 8, 1924.
Hair tonic and hair pomade. M. L. Lewis. 189,614; Sept. 23; Serial No. 195,293; published July 8, 1924.
Laxative. S. H. Nicholson. 189,525; Sept. 23; Serial No. 196,029; published July 8, 1924.
Liniment. H. R. Adams. 189,601; Sept. 23; Serial No. 945,504; published July 8, 1924.
Lotion. L. Dickinson. 189,619; Sept. 23; Serial No. 195,876; published July 8, 1924.
Medicinal treatment for coughs and colds. Yaffa Bros. 189,527; Sept. 23; Serial No. 196,042; published July 8, 1924.
Medicine. Law's Lung-Ease Mfg. Co. 189,540; Sept. 23; Serial No. 196,531; published July 8, 1924.
Medicine, Tonic laxative. F. O. McNab. 189,572; Sept. 23; Serial No. 197,207; published July 8, 1924.
Ointment. O. Melby. 189,591; Sept. 23; Serial No. 182,055; published July 8, 1924.
Ointment. S. H. Nicholson. 189,524; Sept. 23; Serial No. 196,028; published July 8, 1924.
Perfumes. Lionel Trading Co. 189,508; Sept. 23; Serial No. 192,629; published July 8, 1924.
Pharmaceutical preparation. Digestive Ferments Company. 189,611–12; Sept. 23; Serial Nos. 195,266–7; published July 8, 1924.
Pharmaceutical preparation for minor wounds and skin abrasions. B. Tyler. 189,526; Sept. 23; Serial No. 196,036; published July 8, 1924.
Preparation for medicinal purposes. G. Zakarian. 189,803; Sept. 23.
Preparation for the treatment of all forms of inflammation, etc. J. Martin. 189,590; Sept. 23; Serial No. 180,380; published July 8, 1924.
Remedy for stomach, nerves, and intestinal disorders. S. Norman. 189,507; Sept. 23; Serial No. 192,335; published July 8, 1924.
Serum and hog-cholera virus, Anti-hog-cholera. Swine Breeders Pure Serum Company. 189,588; Sept. 23; Serial No. 177,526; published July 8, 1924.
Shampoos and hair tonic. Mango Taul Corporation. 189,627; Sept. 23; Serial No. 196,536; published July 8, 1924.
Tablets, etc., Throat. Middle West Laboratories. 189,618; Sept. 23; Serial No. 195,826; published July 8, 1924.
Tablets, Laxative. Fellows Medical Manufacturing Company. 189,537; Sept. 23; Serial No. 196,451; published July 8, 1924.
Talc for use as a toilet powder. C. F. Opitz. 189,578; Sept. 23; Serial No. 196,670; published July 8, 1924.

CLASS 7.

Twine. Morice Twine Mills Corporation. 189,808; Sept. 23.

CLASS 12.

Asphalt. Central Commercial Company. 189,628; Sept. 23; Serial No. 196,429; published July 1, 1924.
Bricks. Wyandot Clay Products Company. 189,629; Sept. 23; Serial No. 196,097; published July 1, 1924.
Buildings, windows, and doors, Metal frames for. Braden Company. 189,626; Sept. 26; Serial No. 196,572; published July 1, 1924.
Cements. Aktieselskabet Aalborg Portland-Cement-Fabrik. 189,770; Sept. 23; Serial No. 173,908; published July 1, 1924.
Concrete tile, Hollow. Rogers and Kicklighter. 189,623; Sept. 23; Serial No. 196,881; published July 1, 1924.
Lumber. Kaul Lumber Company. 189,669; Sept. 23; Serial No. 195,749; published July 1, 1924.

CLASS 16.

Oils to be added to paint. James B. Sipe & Co. 189,792; Sept. 23.
Paints, varnish, etc. Hibbard, Spencer, Bartlett & Company. 189,795; Sept. 23.
Polish, Furniture and automobile. M. M. Kirkwood 189,791; Sept. 23.
Shellacs, varnishes. Bon-Lac Corporation. 189,806; Sept. 23.

CLASS 17.

Cigarettes. Rosedor Cigarette Co. 189,536; Sept. 23; Serial No. 196,404; published July 8, 1924.
Cigars. J. F. Reichard. 189,600; Sept. 23; Serial No. 190,707; published July 8, 1924.
Cigars and cigarettes. J. E. A. Reyes. 189,558; Sept. 23; Serial No. 194,947; published July 22, 1924.
Snuff and smoking tobacco. Robert Sinclair Tobacco Company. 189,534; Sept. 23; Serial No. 196,353; published July 8, 1924.
Tobacco, cigars, and cigarettes. Carreras Limited. 189,562; Sept. 23; Serial No. 194,049; published July 22, 1924.
Tobacco, Smoking. Imperial Tobacco Co. 189,510; Sept. 23; Serial No. 193,337; published July 8, 1924.

CLASS 19.

Automobile rims. Interlocking Toggle Rim Co. 189,651; Sept. 23; Serial No. 177,560; published July 1, 1924.
Bicycle handle-bar grips and step mats and heel rests for automobiles. Essex Rubber Company. 189,780; Sept. 23.
Nipples and steel spokes. Tiley Pratt Co. 189,621; Sept. 23; Serial No. 197,239; published July 8, 1924.
Trailers, trucks, and dollies. Welded Products Manufacturing Co. 189,658; Sept. 23; Serial No. 191,244; published July 8, 1924.
Wheelbarrows. Sterling Wheelbarrow Co. 189,652; Sept. 23; Serial No. 182,018; published July 8, 1924.
Wheels for motor vehicles and parts thereof, Road. Wire Wheel Corporation of America. 189,665; Sept. 23; Serial No. 194,965; published July 8, 1924.

CLASS 22.

Dolls. Schoen & Yondorf Co. 189,518; Sept. 23; Serial No. 194,132; published May 27, 1924.
Fishing-line leaders. W. P. MacMasters. 189,553; Sept. 23; Serial No. 196,962; published July 22, 1924.
Game. Simplex Metal Products Corporation. 189,551; Sept. 23; Serial No. 197,342; published July 22, 1924.
Game. J. M. Tees. 189,557; Sept. 23; Serial No. 195,724; published July 22, 1924.
Games, Educational. Selchow & Richter Company. 189,567 Sept. 23; Serial No. 189,343; published July 22, 1924.
Golf balls and clubs and tennis rackets and balls. B. Altman & Co. 189,556; Sept. 23; Serial No. 196,044; published July 22, 1924.
Kite. G. W. Ayling. 189,604; Sept. 23; Serial No. 194,847; published July 8, 1924.
Skates, Ice. Nestor Johnson Mfg. Co. 189,547; Sept. 23; Serial No. 197,767; published July 22, 1924.
Skates, rackets, croquet sets, etc., Ice. Hibbard, Spencer, Bartlett & Company. 189,796; Sept. 23.
Toy. L. Neumann. 189,549–50; Sept. 23; Serial No. 197,443–4; published July 22, 1924.

CLASS 29.

Brooms. South Side Broom Co. 189,555; Sept. 23; Serial No. 196,831; published July 22, 1924.
Brooms, mops, and brushes. Brooklyn Perfex Corp. 189,528; Sept. 23; Serial No. 196,048; published July 8, 1924.
Brushes. Gebrooders Jonker. 189,559–60; Sept. 23; Serial Nos. 194,858–9; published July 22, 1924.
Toothbrushes. American Wholesale Corporation (Baltimore Bargain House). 189,793; Sept. 23.

CLASS 31.

Carbons and carbonaceous materials. Suchar Process Corporation. 189,657; Sept. 23; Serial No. 190,944; published June 10, 1924.
Refrigerating and ice-making machines. Zanesville Engineering and Refrigerating Co. 189,659; Sept. 23; Serial No. 192,873; published June 10, 1924.

Refrigerators. Rocky Mountain Novelty Company. 189,662; Sept. 23; Serial No. 194,416; published June 10, 1924.
Refrigerators, refrigerating machinery, and refrigerator show cases. Ottenheimer Bros. Inc. 189,666; Sept. 23; Serial No. 195,237; published June 10, 1924.

CLASS 32.

Bedsteads. Greenpoint Metallic Bed Co. 189,742; Sept. 23; Serial No. 196,455; published July 8, 1924.
Cabinets, bases, and tables, Kitchen. Carson Pirie Scott & Co. 189,751; Sept. 23; Serial No. 195,944; published July 1, 1924.
Chairs, beds, buffets, etc., Baby high. Cohn Bros. Furniture Co. 189,790; Sept. 23.
Desks and book rests, School. Welfare Incorporated. 189,750; Sept. 23; Serial No. 197,523; published July 8, 1924.
Furniture and upholstery. Société Anonyme des Établissements Rouzaud, Chocolat de Royat, "a la Marquise de Sévigné." 189,763; Sept. 23; Serial No. 191,413; published July 8, 1924.
Furniture, Hospital. H. D. Dougherty & Co. 189,789; Sept. 23.
Furniture, Household and other. Conant-Ball Company. 189,752; Sept. 23; Serial No. 195,740; published July 8, 1924.
Pillows, cribs, nursery chairs, etc. James McCutcheon & Company. 189,759; Sept. 23; Serial No. 193,234; published July 8, 1924.
Seat backs, Auxiliary. K. H. Kiefer. 189,794; Sept. 23.
Shade curtains, Window-. National Lock Washer Company. 189,764; Sept. 23; Serial No. 189,860; published July 8, 1924.

CLASS 34.

Burners. Socony Burner Corporation. 189,656; Sept. 23; Serial No. 190,618; published July 8, 1924.
Burners, Oil. Silent Glow Oil Burner Corporation. 189,624; Sept. 23; Serial No. 196,715; published July 8, 1924.
Filters for aeriform fluids. Reed Air Filter Company. 189,660; Sept. 23; Serial No. 196,681; published July 8, 1924.
Furnaces. Stiglitz Furnace Company. 189,786; Sept. 23.
Ranges and heaters, Coal and gas. Leonard & Baker Stove Company. 189,668; Sept. 23; Serial No. 195,452; published July 1, 1924.

CLASS 35.

Gaskets, washers, and packing of cork. Armstrong Cork Company. 189,755; Sept. 23; Serial No. 194,154; published July 8, 1924.
Packing, Engine. Bell's United Asbestos Company Limited. 189,663; Sept. 23; Serial No. 194,429; published July 8, 1924.
Packing, Plastic metallic. Bell's United Asbestos Company Limited. 189,664; Sept. 23; Serial No. 194,637; published July 1, 1924.
Piston rings. Standard Motor Products Co. 189,650; Sept. 23; Serial No. 161,586; published Jan. 23, 1923.
Rubber tires. Burlock Non-Skid Tire Corporation. 189,653; Sept. 23; Serial No. 186,772; published July 1, 1924.
Rubber-tube patching, Inner tubes, etc. Research Club, Inc. 189,654–5; Sept. 23; Serial Nos. 188,434–5; published July 1, 1924.
Tires and tubes. Swinehart Tire and Rubber Company. 189,778; Sept. 23.

CLASS 37.

Envelopes, Window. Magill-Weinsheimer Company. 189,511–12; Sept. 23; Serial Nos. 193,528–9; published July 1, 1924.
Letters and circulars, Printed forms of. United Creditors' Association. 189,586; Sept. 23; Serial No. 175,280; published July 1, 1924.
Loose-leaf devices, etc. Horder's, Inc. 189,531; Sept. 23; Serial No. 196,172; published June 24, 1924.
Mailing wrapper. Pull-The-String Mailing Wrapper Co. 189,615; Sept. 23; Serial No. 195,459; published July 1, 1924.
Paper. L. J. Kolb. 189,592; Sept. 23; Serial No. 183,158; published June 17, 1924.
Paper. A. R. Meeker & Company. 189,617; Sept. 23; Serial No. 195,825; published July 1, 1924.
Paper, Toilet. Oswego River Paper Mills. 189,505; Sept. 23; Serial No. 191,136; published June 10, 1924.
Paper toilet-seat covers. H. C. Anderson. 189,504; Sept. 23; Serial No. 191,050; published June 10, 1924.
Pencils, Mechanical. Salz Bros. Inc. 189,579; Sept. 23; Serial No. 196,883; published June 24, 1924.
Pencils, pencil boxes, erasers, etc., Lead. General Pencil Company. 189,506; Sept. 23; Serial No. 191,539; published June 10, 1924.
Stationery, typewriter papers, notebooks, pens, etc. Jones Book Store Inc. 189,520; Sept. 23; Serial No. 194,356; published June 17, 1924.
Telephone indexes. D. Umanoff. 189,602; Sept. 23; Serial No. 194,632; published June 17, 1924.
Typewriter paper. M. Gordon. 189,596; Sept. 23; Serial No. 187,379; published June 10, 1924.

CLASS 38.

Calendars. C. R. Archibald. 189,758; Sept. 23; Serial No. 193,267; published July 1, 1924.
Cards, Trading. T-A-D Company. 189,741; Sept. 23; Serial No. 196,271; published July 8, 1924.
Cartoons. Tribune Company. 189,745–9; Sept. 23; Serial No. 197,509–13; published July 8, 1924.
Cartoons, column pictures, and drawings. United Feature Syndicate, Inc. 189,744; Sept. 23; Serial No. 196,494; published July 1, 1924.
Cartoons, Series of. Bell Syndicate, Inc. 189,737; Sept. 23; Serial No. 197,314; published July 8, 1924.
Journal, Trade. McGraw Hill Company. 189,738; Sept. 23; Serial No. 197,385; published July 8, 1924.
Magazine. American Forestry Association. 189,754; Sept. 23; Serial No. 195,324; published July 1, 1924.
Magazine. Retail Ledger Publishing Company. 189,740; Sept. 23; Serial No. 196,195; published July 8, 1924.
Magazine. Topics, Inc. 189,760; Sept. 23; Serial No. 193,196; published July 8, 1924.
Magazine, Monthly. Oildom Publishing Co. 189,769; Sept. 23; Serial No. 179,817; published July 8, 1924.
Magazine, Periodical. Fruin-Colnon Contracting Company. 189,733; Sept. 23; Serial No. 197,144; published July 8, 1924.
Music, Printed. Jack Snyder Publishing Company. 189,756; Sept. 23; Serial No. 194,134; published July 8, 1924.
Newspaper articles, Title for a series of. Public Ledger Co. 189,753; Sept. 23; Serial No. 195,538; published July 1, 1924.
Periodical, Monthly. P. F. Collier & Son Company. 189,589; Sept. 23; Serial No. 178,165; published May 22, 1923.
Publication. W. Armstrong. 189,757; Sept. 23; Serial No. 193,884; published July 1, 1924.
Publication, Rural Publishing Corp. 189,736; Sept. 23; Serial No. 197,298; published July 8, 1924.
Publication, Textile Publishing Company. 189,765; Sept. 23; Serial No. 188,454; published July 8, 1924.
Publication. Thompson-Brogan Co. 189,734; Sept. 23; Serial No. 197,229; published July 8, 1924.
Publication, Weekly. Victor Buyers' Commodity Service, Inc. 189,766–7; Sept. 23; Serial Nos. 188,285–6; published July 1, 1924.
Reports, scientific data, financial and business charts, Market. E. J. Macri. 189,743; Sept. 23; Serial No. 196,465; published July 1, 1924.

CLASS 39.

Bathing suits, Ladies'. M. Smith. 189,533; Sept. 23; Serial No. 196,319; published July 8, 1924.
Bloomers. C. A. Susstrong. 189,585; Sept. 23; Serial No. 172,618; published July 8, 1924.
Boots, shoes, slippers. J. Pletzuch. 189,587; Sept. 23; Serial No. 177,405; published July 8, 1924.
Clothing. New York Cloak & Suit House of Los Angeles. 189,521–2; Sept. 23; Serial Nos. 194,368–9; published July 8, 1924.
Garments, Knitted. Berman Bros. & Lindeman Co. 189,535; Sept. 23; Serial No. 196,364; published July 8, 1924.
Garments, Semimade. M. I. Halperin. 189,616; Sept. 23; Serial No. 195,517; published July 8, 1924.
Gowns and dresses, Ladies'. M. Manning. 189,785; Sept. 23.
Hosiery. Bear Brand Hosiery Co. 189,539; Sept. 23; Serial No. 196,499; published July 8, 1924.
Hosiery, Infants' and children's. Page and Jones. 189,594; Sept. 23; Serial No. 186,014; published July 8, 1924.
Shirts. Cluett, Peabody & Co. 189,784; Sept. 23.
Shirts. Walter M. Steppacher & Bro., Inc. 189,607; Sept. 23; Serial No. 195,024; published July 8, 1924.
Shirts, collars, pyjamas. Manhattan Shirt Co. 189,514; Sept. 23; Serial No. 193,843; published July 8, 1924.
Shoes. Bullock's. 189,519; Sept. 23; Serial No. 194,333; published July 8, 1924.
Shoes. London Shoe Company. 189,517; Sept. 23; Serial No. 194,279; published July 8, 1924.
Suits for men and boys, Outer. Harry Daroff & Sons. 189,609; Sept. 23; Serial No. 195,096; published July 8, 1924.
Sweaters. Pontiac Knitting Mills Company. 189,503; Sept. 23; Serial No. 190,977; published July 8, 1924.
Underwear, Silk. James A. Hearn & Son, Inc. 189,613; Sept. 23; Serial No. 195,286; published July 8, 1924.
Underwear, Women's knitted. Campe Corporation. 189,608; Sept. 23; Serial No. 195,094; published July 8, 1924.
Waists and hosiery. House of Byer. 189,771; Sept. 23.

CLASS 40.

Boning, steels, and staying material. American Lady Corset Co. 189,735; Sept. 23; Serial No. 197,240; published July 1, 1924.
Combs. Superior Novelty Mfg. Co. 189,739; Sept. 23; Serial No. 196,141; published July 1, 1924.
Curling irons, straightening irons, etc. A. Breslauer, Inc. 189,762; Sept. 23; Serial No. 191,425; published July 1, 1924.
Lingerie strap holders. Hoffmann Novelty Co. 189,761; Sept. 23; Serial No. 191,434; published July 1, 1924.

CLASS 42.

Broadcloth. Fairfax Textile Mills, Inc. 189,768; Sept. 23; Serial No. 188,191; published July 22, 1924.
Cotton piece goods. Sayles Finishing Plants, Inc. 189,799–802; Sept. 23.
Shirtings in the piece. Turner & Walls. 189,529; Sept. 23; Serial No. 196,084; published July 8, 1924.

CLASS 43.

Threads and yarns. Mutual Thread Company. 189,779; Sept. 23.

CLASS 45.

Beverage and concentrate for making same. A. R. Fiorita. 189,545; Sept. 23; Serial No. 198,301; published July 22, 1924.
Beverage sold as a soft drink. B. B. Allen. 189,515; Sept. 23; Serial No. 194,040; published July 8, 1924.
Beverages. Soc. An. Fsco. Cinzano & Cia. 189,568; Sept. 23; Serial No. 180,245; published July 22, 1924.
Beverages. Stimulade Company. 189,552; Sept. 23; Serial No. 197,177; published July 22, 1924.
Beverages and sirups. H. Townsend. 189,570; Sept. 23; Serial No. 197,506; published July 8, 1924.
Beverages and sirups for making the same. M. A. Simons. 189,548; Sept. 23; Serial No. 197,456; published July 22, 1924.
Beverages sold as soft drinks. H. B. Hunter Company. 189,563; Sept. 23; Serial No. 193,461; published July 22, 1924.
Beverages sold as soft drinks and sirups therefor. B. B. Allen. 189,584; Sept. 23; Serial No. 163,847; published July 8, 1924.
Cordials used for beverage purposes. E. T. Benius. 189,532; Sept. 23; Serial No. 196,246; published July 8, 1924.
Extracts and flavors. H. Kohnstamm & Co. 189,787; Sept. 23.
Flavoring extracts. Henry H. Ottens Mfg. Co. 189,573; Sept. 23; Serial No. 197,217; published July 8, 1924.
Flavoring extracts. Henry H. Ottens Mfg. Co. 189,576; Sept. 23; Serial No. 197,041; published July 8, 1924.
Ginger ale. Canada Dry Ginger Ale, Incorporated. 189,811; Sept. 23.
Grape juice. H. Johnson. 189,544; Sept. 23; Serial No. 198,459; published July 22, 1924.
Grape juice. M. Prince. 189,554; Sept. 23; Serial No. 196,928; published July 22, 1924.
Grape juice and cider. Ginter Company. 189,546; Sept. 23; Serial No. 197,806; published July 22, 1924.
Mineral water. A. J. Hauck Water Company. 189,571; Sept. 23; Serial No. 197,076; published July 8, 1924.
Mineral water and beverages sold as soft drink and sirups for making same. C. E. Knight. 189,603; Sept. 23; Serial No. 194,804; published July 8, 1924.
Sirup, Pomegranate. R. B. Meredith. 189,564; Sept. 23; Serial No. 191,495; published July 22, 1924.
Waters, Mineral. White Sulphur Springs, Inc. 189,569; Sept. 23; Serial No. 197,462; published July 8, 1924.

CLASS 46.

Almond meats, glazed and blanched almonds. California Almond Packers, Inc. 189,599; Sept. 23; Serial No. 190,150; published July 8, 1924.
Apples. Earl Fruit Company of the Northwest. 189,720; Sept. 23; Serial No. 184,964; published July 22, 1924.
Bread. United Bakeries Corporation. 189,689–93; Sept. 23; Serial No. 196,273–7; published July 22, 1924.
Cakes. A. U. Dougherty. 189,776–7; Sept. 23.
Candy. Collins-Hencke Candy Co. 189,704; Sept. 23; Serial No. 197,363; published July 22, 1924.
Candy. E. F. Dalton. 189,703; Sept. 23; Serial No. 197,260; published July 22, 1924.
Candy. Hollingsworth Candy Co. 189,726; Sept. 23; Serial No. 177,781; published July 22, 1924.
Candy. Hol-som Candy Specialty Co. 189,696; Sept. 23; Serial No. 196,459; published July 22, 1924.
Candy. Ed. Messer Confectionery Co. 189,648; Sept. 23; Serial No. 192,260; published July 8, 1924.
Candy. F. R. Perkins. 189,681–8; Sept. 23; Serial Nos. 196,263–70; published July 22, 1924.
Candy. Repetti, Inc. 189,643; Sept. 23; Serial No. 193,355; published July 22, 1924.
Candy bars. Hood's Candy Company. 189,641; Sept. 23; Serial No. 193,922; published July 22, 1924.
Candy, nuts, confections. W. Prentiss, jr. 189,632; Sept. 23; Serial No. 194,476; published July 22, 1924.
Canned caviar. Russian Food Products Company. 189,543; Sept. 23; Serial No. 197,051; published July 22, 1924.
Canned figs. Sussman, Wormser & Co. 189,674; Sept. 23; Serial No. 195,465; published July 22, 1924.
Canned fish. R. E. Cotter Co. 189,678–9; Sept. 23; Serial Nos. 196,156–7; published July 22, 1924.
Canned fruits and vegetables. California Co-Operative Canneries. 189,714; Sept. 23; Serial No. 191,301; published July 22, 1924.
Canned fruits and vegetables. D. E. Cleary Co. 189,797; Sept. 23.
Canned fruits and vegetables and dried fruits. Hunt Brothers Packing Company. 189,717; Sept. 23; Serial No. 189,003; published July 22, 1924.
Canned fruits and vegetables, jams, honey, etc. Sussman, Wormser & Co. 189,593; Sept. 23; Serial No. 184,480; published June 24, 1924.
Canned goods, tea, etc. Pacific Wholesale Grocery Co. 189,530; Sept. 23; Serial No. 196,133; published July 8, 1924.
Canned peas and butter. John Morrell & Co. 189,595; Sept. 23; Serial No. 187,118; published July 8, 1924.
Canned peas, corn, and tomatoes, jellies, and fruit preserves. Ginter Company. 189,509; Sept. 23; Serial No. 192,907; published July 8, 1924.
Canned salmon. Geo. W. Sanborn & Sons. 189,774; Sept. 23.
Canned shrimp. White Coast Packing Co. 189,715; Sept. 23; Serial No. 189,926; published July 22, 1924.
Canned vegetables. Bloomington Canning Co. 189,631; Sept. 23; Serial No. 194,516; published July 22, 1924.
Catchup, eggs in the shell, etc. Pittsburgh Provision and Packing Company. 189,575; Sept. 23; Serial No. 196,969; published July 8, 1924.
Chocolate bars. Roach Tisdale & Co. 189,705; Sept. 23; Serial No. 197,561; published July 22, 1924.
Coffee. B. Angel. 189,809–10; Sept. 23.
Coffee. Geo. W. Caswell Co. 189,706–7; Sept. 23; Serial Nos. 197,581–2; published July 22, 1924.
Coffee. Jas. H. Forbes Tea & Coffee Co. 189,635–6; Sept. 23; Serial Nos. 194,235–6; published July 22, 1924.
Coffee. M. M. Gasser Co. 189,724; Sept. 23; Serial No. 181,482; published Jan. 8, 1924.
Coffee. Heekin Company. 189,581; Sept. 23; Serial No. 151,833; published July 8, 1924.
Coffee. Pioneer Coffee Company. 189,583; Sept. 23; Serial No. 160,024; published Feb. 12, 1924.
Coffee. Wisconsin Coffee Company. 189,640; Sept. 23; Serial No. 193,977; published July 22, 1924.
Corn meal. City Mills Co. 189,680; Sept. 23; Serial No. 196,233; published July 22, 1924.
Dairy ration, feed, etc. Texas Mill & Elevator Company. 189,729; Sept. 23; Serial No. 169,427; published July 22, 1924.
Eggs. John P. Figenbaum & Company. 189,699; Sept. 23; Serial No. 196,655; published July 22, 1924.
Eggs. Royal Poultry Farm. 189,728; Sept. 23; Serial No. 174,801; published July 22, 1924.
Flour. Mountain City Mill Co. 189,709–10; Sept. 23; Serial Nos. 197,765–6; published July 22, 1924.
Flour and maize flakes, Corn. Knefler-Bates Mfg. Co. 189,702; Sept. 23; Serial No. 197,155; published July 22, 1924.
Flour, Pancake. L. R. Donelson, jr. 189,708; Sept. 23; Serial No. 197,587; published July 22, 1924.
Flour, Wheat. Cleveland Milling Co. 189,694; Sept. 23; Serial No. 196,333; published July 22, 1924.
Flour, Wheat. Cleveland Milling Co. 189,695; Sept. 23; Serial No. 196,365; published July 22, 1924.
Flour, Wheat. Lawrenceburg Roller Mills Co. 189,812; Sept. 23.
Flour, Wheat. Portland Flour Mills Co. 189,723; Sept. 23; Serial No. 182,175; published Dec. 11, 1923.
Fruits and vegetables, Fresh. E. H. Spiegl. 189,700; Sept. 23; Serial No. 196,682; published July 22, 1924.
Fruits, Fresh and canned. Randolph & Miller. 189,718; Sept. 23; Serial No. 187,640; published July 22, 1924.
Fruits, Fresh deciduous. F. W. Barkhaus Sons. 189,698; Sept. 23; Serial No. 196,566; published July 22, 1924.
Fruits, fresh grapes, melons, and fresh vegetables. W. M. Nelson. 189,712; Sept. 23; Serial No. 197,894; published July 22, 1924.
Fudge. Golden Nugget Sweets. 189,805; Sept. 23.
Gum, Chewing. Goudey Gum Co. 189,633; Sept. 23; Serial No. 194,271; published July 22, 1924.
Hams and bacon. Higgin's Packing Company. 189,730; Sept. 23; Serial No. 164,909; published July 22, 1924.
Hams and bacon. Rath Packing Company. 189,645; Sept. 23; Serial No. 193,070; published July 22, 1924.
Honey, Pure. E. L. Gamble. 189,598; Sept. 23; Serial No. 190,078; published June 24, 1924.
Lard and bacon. Pittsburgh Provision and Packing Company. 189,701; Sept. 23; Serial No. 196,968; published July 22, 1924.
Lobster, Shredded. Soy Bean, Flour & Oborochi Mfg. Co. 189,646; Sept. 23; Serial No. 192,585; published July 22, 1924.
Macaroni. New Haven Bread Co. 189,574; Sept. 23; Serial No. 196,965; published July 8, 1924.
Macaroni, spaghetti, noodles, and vermicelli. Purity Bread Company. 189,781; Sept. 23.
Malt extract. Henry Schoellkopf Sons. 189,807; Sept. 23.
Meat loaf, sugar-cured bacon, souse, etc. Virden Packing Company. 189,731; Sept. 23; Serial No. 164,282; published June 3, 1923.
Oils, Edible vegetable. J. A. Doering. 189,516; Sept. 23; Serial No. 194,097; published July 1, 1924.
Olives. Cartagena & Mavro. 189,513; Sept. 23; Serial No. 193,572; published July 8, 1924.
Paprika and capers. Hijo de Juan J. Navarro. 189,605; Sept. 23; Serial No. 194,938; published June 24, 1924.

Peanut butter. Briner-Null Coffee Company. 189,577; Sept. 23; Serial No. 197,060; published July 8, 1924.
Potato chips. N. J. Shamey. 189,711; Sept. 23; Serial No. 197,836; published July 22, 1924.
Potatoes, cabbage, turnips, and apples. L. Rosenblum. 189,798; Sept. 23.
Sandwiches, Crab and shrimp. A. J. Bradley. 189,670–1; Sept. 23; Serial Nos. 194,782–3; published July 22, 1924.
Tea. Jas. H. Forbes Tea & Coffee Co. 189,642; Sept. 23; Serial No. 193,815; published July 22, 1924.

CLASS 48.

Sirup, Malt. Royal Malt & Hops Co. 189,561; Sept. 23; Serial No. 194,570; published July 22, 1924.
Sirups, Malt fountain. W. Koester. 189,566; Sept. 23; Serial No. 182,156; published July 22, 1924.

CLASS 50.

Rubber sheeting. I. B. Kleinert Rubber Co. 189,622; Sept. 23; Serial No. 197,084; published July 8, 1924.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather, Calf. Barnet Leather Co. 177,762; Sept. 23.

CLASS 2.

Cans, Oil. Beck Manufacturing Co. 198,981; Sept. 23.
Receptacles for confections. Whikan Corporation. 190,814; Sept. 23.

CLASS 4.

Abrasive paper and cloth and combination of abrasive paper and cloth. Manning Abrasive Company. 201,004; Sept. 23.
Cleaners, dressings, etc., for fabrics, leathers, and other materials. Waterproofing, Incorporated. 200,837; Sept. 23.
Cleaning liquid for woodwork, nickel, and glassware. Dan-Go Manufacturing Co. 200,713; Sept. 23.
Cleanser for cleaning silverware, woodwork, etc. Clean-All Manufacturing Company. 197,992; Sept. 23.
Cleansing compound. Scientific Products, Inc. 200,226; Sept. 23.
Polish, Metal and glass. C. & C. Company. 179,026; Sept. 23.
Polishes, Metal. Grady Mfg. Co. 200,442; Sept. 23.
Preparation for cleaning dirt and greases from the hands. C. W. Rumsey. 200,900; Sept. 23.
Preparation for removing tar, polishing fenders, lamps, etc. J. F. Woods & Co. 200,737; Sept. 23.
Razor strops. E. Morris. 200,405; Sept. 23.
Soap. James S. Kirk & Company. 178,446; Sept. 23.
Soap and shaving cream, Toilet. Beech-Nut Packing Company. 200,471; Sept. 23.
Soap, Toilet. Parke Corporation. 201,371; Sept. 23.
Soaps. A. Neuburg. 201,369; Sept. 23.
Soaps. G. A. Sauer. 201,265; Sept. 23.

CLASS 5.

Cement, Combination. Chemical Research Company of Lynn, Mass. 183,907; Sept. 23.
Paste and core-binder material, Corn flour used as a dry. Knefler Bates Mfg. Co. 199,792; Sept. 23.

CLASS 6.

Chemical compound for cleaning, polishing, etc. Oakley Chemical Company. 201,069–70; Sept. 23.
Composition of matter for application to phonograph records to reduce noises. W. W. Crocker. 199,219; Sept. 23.
Cough drops. Central Drug Co. 186,586; Sept. 23.
Disinfectant. E. C. Hansen. 199,554; Sept. 23.
Face creams and powders, lotions, and creams. L. E. Haselhuhn. 191,768; Sept. 23.
Headache powders. A. Jacobson. 199,226; Sept. 23.
Medicines for diseases of the nervous system. Smith, Kline & French Company. 196,716; Sept. 23.
Mouth wash, gargle, and spray. Mardorn Chemical Corporation. 185,526; Sept. 23.
Paste powder. Arabol Mfg. Co. 198,207; Sept. 23.
Pharmaceutical preparation as a local application for burns, etc. C. G. Johnson. 173,425; Sept. 23.
Powders, Face and talcum. K. E. Macaulay. 190,644; Sept. 23.
Preparation for the extermination of ectoparasites. E. Merck. 196,668; Sept. 23.
Pyorrhea remedy, and preventive, dentifrice, etc. Mardorn Chemical Corporation. 185,527; Sept. 23.
Soda-mint granules, a medicinal preparation. E. S. Price. 197,619; Sept. 23.
Toilet preparation to cleanse the skin. A. W. Earley. 171,351; Sept. 23.

CLASS 7.

Cords. H. F. Walliser Company. 200,592; Sept. 23.

CLASS 12.

Brick in plastic form, Fire. S. Obermayer Co. 192,491; Sept. 23.
Building construction, Materials for. Union Iron Works of Los Angeles. 193,688; Sept. 23.
Flooring, Hardwood. Campbell & Dann Manufacturing Company. 191,002; Sept. 23.
Lumber. Bragmans Bluff Lumber Company. 199,742; Sept. 23.
Shingles and roofing, Mineral-surfaced asphalt. Flintkote Company. 198,999; Sept. 23.
Tiles, wainscoting, stair treads, etc., Flooring. Stedman Products Co. 199,809–10; Sept. 23.

CLASS 13.

Spigots, pipe unions, pipes, and pipe L's, Metal. S. F. Crilly. 166,133; Sept. 23.

CLASS 14.

Type metal. Imperial Type-Metal Co. 199,752; Sept. 23.

CLASS 16.

Coating material, Liquid. Fulton Paint Co. 184,720; Sept. 23.
Paint enamels, body colors, varnish, etc. Flint Varnish & Color Works. 195,878; Sept. 23.
Paint for interior, Flat. Egan and Hausman Company. 196,733; Sept. 23.
Polish for automobiles and furniture. Perfection Shine Polish Co. 195,596; Sept. 23.
Polishes for floors, automobiles, etc. A. Oberle. 196,256; Sept. 23.
Shellacs and lacs. Angelo Bros. Limited. 195,610–13; Sept. 23.
Shellacs and lacs. Angelo Bros. Limited. 195,615; Sept. 23.
Shellacs and lacs. Angelo Bros. Limited. 195,617–19; Sept. 23.
Varnishes, fillers, stains, etc. C. Vick. 191,678; Sept. 23.

CLASS 19.

Automobiles and parts thereof. Societe Anonyme des Anciens Etablissements Panhard & Levassor. 193,808; Sept. 23.
Bumper bars. Steel Products Corporation. 200,532; Sept. 23.

CLASS 21.

Bridges, midget and by-pass condensers, Capacity. I. London. 200,108; Sept. 23.
Electric batteries. Twin Dry Cell Battery Company. 200,022; Sept. 23.
Electric-lighting fixtures and parts thereof. Globe Lighting Fixture Mfg. Company. 200,252; Sept. 23.
Radio receiving sets and parts thereof. Andrews Radio Company. 200,176; Sept. 23.
Wireless signal-receiving apparatus and parts thereof. Connecticut Telephone & Electric Company. 200,353; Sept. 23.

CLASS 22.

Billiard cues. A. Clayton. 200,807; Sept. 23.
Cards, Playing. Pyramid Playing Card Co. 201,258–60; Sept. 23.
Dolls. E. V. Allison. 201,169; Sept. 23.
Dolls. H. E. Leland. 201,247; Sept. 23.
Fishing baits and lures. South Bend Bait Co. 200,585; Sept. 23.
Fishing line. Ashaway Line & Twine Manufacturing Company. 200,744; Sept. 23.
Fishing line. Horrocks-Ibbotson Co. 200,559; Sept. 23.
Game. G. B. Leiter. 200,502; Sept. 23.
Toy watch bracelets and wrist purses. A. Baron. 200,416; Sept. 23.
Toys, Figure. Kirn-Reinicke Company. 200,720; Sept. 23.

CLASS 23.

Adzes, hammers, saw sets, etc. Dunham, Carrigan & Hayden Co. 188,540; Sept. 23.
Cultivators and lawn mowers, Power. M. B. M. Manufacturing Co. 201,201; Sept. 23.
Fountains and equipment therefor, Soda. Economy Fountain Company. 197,471; Sept. 23.
Governors, pumps, and compressors, and parts of said mechanisms. Gardner Governor Company. 199,779; Sept. 23.
Pumps, Air. M. B. Holstein. 200,445; Sept. 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Regulators, compressors, pumps, and parts of said mechanisms. Speed and pressure. Gardner Governor Company. 199,781; Sept. 23.
Speedometer-shaft hangers. W. N. Bruns. 200,429; Sept. 23.
Valves, Hydraulic, pilot, and elevator. W. B. Kochenderfer. 181,753; Sept. 23.
Well tools and equipment, Oil-. Union Tool Company. 185,097; Sept. 23.

CLASS 25.

Sash holders or fasteners. F. Kriehn. 200,203; Sept. 23.

CLASS 26.

Photographic paper, Highly-sensitized. Victor X-Ray Corporation. 199,867; Sept. 23.
Photographic plates. Eastman Kodak Company. 200,810; Sept. 23.

CLASS 28.

Buckles, key rings, chain fasteners, etc. Automatic Gold Chain Co. 200,237; Sept. 23.

CLASS 32.

Beds. Wheeler-Okell Company. 198,902–3; Sept. 23.
Beds. Wheeler-Okell Company. 198,905–12; Sept. 23.
Beds. Wheeler-Okell Company. 198,914; Sept. 23.
Beds. Wheeler-Okell Company. 198,916–17; Sept. 23.
Beds. Wheeler-Okell Company. 198,919; Sept. 23.
Beds and mattresses. National Department Stores. 200,510; Sept. 23.
Beds, couches, and davenports. Marshall & Stearns Co. 199,377; Sept. 23.
Davenports, chairs, cane suites, etc. Murdock & Wilcek. 190,738; Sept. 23.
Glass mirrors and picture frames. Standard Pyroxoloid Corporation. 200,292; Sept. 23.
Show cases. Quincy Show Case Works. 199,390; Sept. 23.
Tables, chairs, stools, and wardrobes. F. O. Berg. 189,351; Sept. 23.

CLASS 33.

Glass fruit jars. Corning Glass Works. 197,993; Sept. 23.
Glass fruit jars. Schram Glass Manufacturing Co. 199,953; Sept. 23.

CLASS 34.

Gas-producing plants. Julius Pintsch Aktiengesellschaft. 195,597; Sept. 23.
Ranges and stoves. Swinney Brothers, Limited. 198,428; Sept. 23.

CLASS 35.

Gaskets, Cork. McCord Radiator & Mfg. Co. 199,949; Sept. 23.
Inner tubes and tires. Columbia Tire and Rubber Company. 183,021–2; Sept. 23.
Piston rings. No-Leak-O Piston Ring Company. 200,151; Sept. 23.

CLASS 38.

Cartoon. Premier Syndicate, Inc. 200,727; Sept. 23.
Comic serial. L. A. Taylor. 195,139; Sept. 23.
Leaflets, books, etc. Doubleday Page Book Shop Company. 188,106; Sept. 23.
Magazine. Collegiate World Publishing Company. 200,809; Sept. 23.
Magazine section. Boy Scouts of America. 199,877; Sept. 23.
Periodical and magazine. Standard Corporation. 198,824; Sept. 23.
Publication. W. B. Parls. 200,009; Sept. 23.
Publication. Textile Publishing Company. 188,456; Sept. 23.
Publication. Literary. J. V. Spadea. 200,969; Sept. 23.
Publications. Home Makers of the World. 198,410–11; Sept. 23.

CLASS 39.

Aprons. Comfy Apron Co. 198,935; Sept. 23.
Boots and shoes. Holland Shoe Co. 198,522; Sept. 23.
Brassières, bandeaux, and girdles. Welfit Brassiere Co. 184,111; Sept. 23.
Caps, Cloth. Bob Cap Co. 192,670; Sept. 23.
Corsets. La Resista Corset Co. 198,714; Sept. 23.
Fur capes, coats, wraps, and neck pieces. B. Beckman. 194,428; Sept. 23.
Gloves, Knit. Ballston Knit Glove Company. 198,610; Sept. 23.
Gloves, Leather. V. Perrin & Cie. 194,943; Sept. 23.
Hats. H. M. Arthur. 198,605; Sept. 23.
Hosiery. E. C. Elles. 196,584; Sept. 23.
Hosiery. David Jacobs Corporation. 197,600; Sept. 23.
Hosiery. A. V. Victorius & Co. 196,143; Sept. 23.
Infants' wear. Royal Kiddy Ware Co. 184,764; Sept. 23.
Neckties, cravats, and scarfs. T. E. Greaney. 199,472; Sept. 23.
Nightgowns, bands, sacks, etc., Babies'. Climax Specialty Company. 196,513; Sept. 23.
Pyjamas, sleeping garments, dresses, etc., Children's. Shostak Novelty Co. 197,784; Sept. 23.
Raincoats and topcoats. C. B. Shane Co. 165,569; Sept. 23.
Shirts, collars, pyjamas, etc., Negligee. William Hollins & Co. 161,004; Sept. 23.
Shirts, Work. C. B. Cones & Son Mfg. Co. 185,567; Sept. 23.
Shoes. S. L. Danforth. 198,701; Sept. 23.
Suits and overcoats, Men's ready-made. Louis Shapiro & Co. 196,768; Sept. 23.
Suits and waists, middy suits, blouses, etc., Ladies' gymnasium. Rite-Style Corporation. 197,393; Sept. 23.
Undergarments and hosiery, Women's. Rosenthal, Lewis & Ritter. 198,088; Sept. 23.

CLASS 40.

Elastic, Shirred. Nichols Manufacturing Company. 198,024; Sept. 23.
Fans, Toilet. F. O. Colson Company. 199,678; Sept. 23.
Knitting pins, crochet hooks, hand sewing needles, thimbles, etc. Gottlieb Bros. 175,012; Sept. 23.

CLASS 42.

Bedspreads, Ledspread bolsters, table padding, etc. John V. Farwell Company. 171,210; Sept. 23.
Cotton piece goods. E. V. Benjamin Company. 200,977; Sept. 23.
Cotton piece goods. Sayles Finishing Plants, Inc. 189,522; Sept. 23.
Cotton piece goods. Sayles Finishing Plants, Inc. 189,531–2; Sept. 23.
Cotton piece goods. Smith-McCord-Townsend Dry Goods Co. 186,393; Sept. 23.
Cotton piece goods. A. D. Straus & Co. 201,381; Sept. 23
Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 193,048; Sept. 23.
Doilies, centerpieces, napkins, etc. Campbell, Metzger & Jacobson. 200,035; Sept. 23.
Fabrics, Silk ribbon. Kaltenbach & Stephens, Inc. 201,348; Sept. 23.
Rugs. Deltox Grass Rug Company. 201,183; Sept. 23.
Silk and cotton piece goods. Phillips-Jones Corporation. 201,303; Sept. 23.
Silk and cotton piece goods. Phillips-Jones Corporation. 201,306; Sept. 23.
Silk, Broad. A. S. Rosenthal Co. 201,210; Sept. 23.
Silk piece goods. Annin & Co. 199,770; Sept. 23.
Silk piece goods. Annin & Co. 200,085; Sept. 23.
Silk piece goods. Gimbel Brothers, New York. 177,841; Sept. 23.
Wool, cotton, and silk, and mixture piece goods. Société Rodier. 200,124; Sept. 23.
Woolen piece goods. Strong, Hewat & Co. 200,059; Sept. 23.
Woolen piece goods. Strong, Hewat & Co. 200,061–5; Sept. 23.

CLASS 43.

Thread. Karpeles Company. 200,990; Sept. 23.
Thread and yarn, Artificial-silk. Naamlooze Vennootschap Hollandsche Kunstzijde Industrie. 195,410; Sept. 23.
Threads or yarns, Silk. D. E. Adams Company. 200,376; Sept. 23.

CLASS 44.

Arch supports and parts thereof, toe separators and straighteners, etc. Scholl Manufacturing Company. 199,257–8; Sept. 23.
Chiropractic machines. Rittenhouse & Sweetland. 196,544–5; Sept. 23.
Dental supplies. I. Stern & Co. 198,037; Sept. 23.
Electrical appliances. Electromet Sales Company. 183,141; Sept. 23.
Water bottles, fountain syringes, ice caps, etc. Sun Rubber Company. 201,113; Sept. 23.

CLASS 45.

Beverages sold as soft drinks. H. E. Werner. 198,827; Sept. 23.
Drinks and fruit juices, Synthetic. R. M. Hughes & Co. 185,465; Sept. 23.
Ginger ale. Christo Syrup Co. 199,108; Sept. 23.
Lemonade, soft drinks, and essences and extracts for preparing such drinks. A. Lindahl. 195,896; Sept. 23.
Lemonade, soft drinks, and essences and extracts therefor. A. Lindahl. 200,398; Sept. 23.
Sirup, Grape. A. Raucci. 198,762; Sept. 23.

CLASS 46.

Alimentary pastes. Kansas City Macaroni & Importing Co. 192,623; Sept. 23.
Apples, Fresh. Gravenstein Apple Growers Cooperative Assn. of Sonoma County. 200,988; Sept. 23.
Barley-malt extract, Concentrated. L. Teuscher, jr. 197,304; Sept. 23.
Bread, cakes, pies, buns, and rolls. Huber Baking Company. 195,963; Sept. 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Butter, Creamery. Trinidad Creamery Co. 201,116; Sept. 23.
Candy. L. D. Garrett. 199,882; Sept. 23.
Canned clams. J. F. Chase. 201,178; Sept. 23.
Canned fish. Jos. Garneau Co. 199,160; Sept. 23.
Canned goods and coffee. Geo. Bubb & Sons. 185,003; Sept. 23.
Canned goods, dill pickles, vanilla. Frank C. Weber & Company. 200,129; Sept. 23.
Canned goods, fruit preserves, jams, and jellies. Starr Fruit Products Co. 200,996; Sept. 23.
Canned goods, fruit preserves, spices, etc. Royal Blue Stores, Inc. 194,487; Sept. 23.
Canned goods, sugar, rice, wheat flour, etc. Hanlin Supply Company. 194,061; Sept. 23.
Canned peas and corn. Keene-Belvidere Canning Company. 200,797; Sept. 23.
Canned salmon. H. J. Barbey. 197,983; Sept. 23.
Canned vegetables. W. H. Killian Co. 198,805; Sept. 23.
Catchup, canned strawberries, pears, and beans, etc. Booth Packing Company. 182,959; Sept. 23.
Cocoa. Hollandsche Cacao- en Chocoladefabrieken v/h Bensdorp & Co. 199,426; Sept. 23.
Coffee. B. Angel. 200,921; Sept. 23.
Eggs, butter, and cheese. E. Lebers. 194,719; Sept. 23.
Flour, Self-rising wheat. Washburn Crosby Company. 201,166; Sept. 23.
Flour, Wheat. J. F. Eesley Milling Co. 199,981; Sept. 23.
Flour, Wheat. Hennepin Mill Company. 177,738; Sept. 23.
Flour, Wheat. International Milling Company. 198,309; Sept. 23.
Flour, Wheat. International Milling Company. 200,885; Sept. 23.
Food products. Marshak Maltmolak Co. 198,465; Sept. 23.
Fruits, Fresh citrous. Auburndale Citrus Growers Association. 196,786; Sept. 23.
Gum, Chewing. Wm. Wrigley Jr. Company. 198,437; Sept. 23.
Ice cream, butter, milk, cheese. Hubach's Products Co. 197,936; Sept. 23.
Milk, Malted. H. Lavlrz. 199,558; Sept. 23.
Nuts, Salted and roasted pistachio. T. K. Malouf 200,052–3; Sept. 23.
Oil, Corn. C. F. Simonin's Sons, Inc. 200,539; Sept. 23.
Pears. Gallagher Fruit Company. 200,880; Sept. 23.
Pickles, vinegar, olives, etc. Adam Brothers Company 194,149; Sept. 23.
Sandwiches. Cordner Products Company. 201,180–1; Sept. 23.
Yeast. Midboro Products Corporation. 199,481; Sept. 23.

CLASS 50.

Cork insulation, cork pipe covering, and cork tile. Mundet & Son, Inc. 197,287; Sept. 23.
Monuments and slabs and specimens of stone, granite, and marble. S. Haskel & Sons, Inc. 199,618; Sept. 23.
Rubber sheeting, waterproof materials, rugs, and felt. Chs. Lavy & Co. 191,327; Sept. 23.
Rubber sheeting, waterproof materials, rugs, and felt. Chs. Lavy & Co. 191,332; Sept. 23.
Statuary, memorial tablets, and other memorials in metal. Metal. Gorham Manufacturing Company. 152,248; Sept. 23.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Adelhofer, Leopold. (See Popper, A., and Adelhofer.)
Advance Car Specialty Manufacturing Company. (See Murray, P. J., and Clark, assignors.)
Aebi, Albert, and F. Jeantet, Geneva, Switzerland. Pinch support for garments (woven or knitted goods). 1,509,461; Sept. 23.
Aeolian Company, The. (See Nicholson, Ernest G., assignor.)
Agerup, John, London, England. Device for coating pulleys with composition. 1,509,278; Sept. 23.
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Graemiger, Benjamin, assignor.)
Alexander, Abrahnm, New York, N. Y. Dispensing bottle. 1,509,219; Sept. 23.
Allison, Sarah K., Macomb, Ill. Culinary vessel. 1,509,697; Sept. 23.
Allyn, Leonard E., West Mystic, Conn. Pressure pump. 1,509,090; Sept. 23.
American Bank Note Company. (See Major, Alfred S., assignor.)
American Can Company. (See Flick, John P., assignor.)
American Car and Foundry Company. (See Bisset, W. J., and Evans, assignors.)
American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)
American Car and Foundry Company. (See Haumueller, Henry C., assignor.)
American Car and Foundry Company. (See Hochberg, Oscar, assignor.)
American Car and Foundry Company. (See Joy, Robert W., assignor.)
American Car and Foundry Company. (See King, John W., assignor.)
American Car and Foundry Company. (See Kitt, Fred T., assignor.)
American Car and Foundry Company. (See Lockard, Richard A., assignor.)
American Car and Foundry Company. (See Willoughby, Victor R., assignor.)
American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
American Dressler Tunnel Kilns, Inc. (See Kupfer, Walter S., assignor.)
American Radiator Company. (See Eggleston, Lewis W., assignor.)
American Telephone and Telegraph Company. (See Grimes, David, assignor.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
Anderson, Anthony S., Milton, Mass. Hose supporter. 1,509,576; Sept. 23.
Anderson, George S. (See Rett, C. E., and Anderson.)
Anderson, Jack, et al. (See Judia, George H., assignor.)
Anderson, John F., San Francisco, Calif. Storage tank. 1,509,698; Sept. 23.
Anderson, Lloyd, Onawa, Iowa. Gate fastener. 1,509,462; Sept. 23.
Anderson, Ray C., and P. A. Gollnick, assignors to Spiegel May Stern Company, Chicago, Ill. Selector mechanism for addressing machines. 1,509,091; Sept. 23.
Angiada, Joseph A., Jenkintown, Pa. Reduction gearing. 1,509,411; Sept. 23.
Anselmi, Carlos, and M. Viturro, Buenos Aires, Argentina. Intermittent driving means in cinematographic apparatus. 1,509,092; Sept. 23.
Armstrong, Edward R., assignor to F. O. Schoedinger, Columbus, Ohio. Ventilator for metallic walls. 1,509,332; Sept. 23.
Arndt, John P., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,509,185; Sept. 23.
Atchison, Arlo G., Santa Barbara, Calif. Windshield cleaner. 1,509,699; Sept. 23.
Ateliers des Charmilles, Société Anonyme. (See Volet, Edouard, assignor.)
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Strain insulator. 1,509,279; Sept. 23.
Austin, F. C., Machinery Company. (See French, James C., assignor.)
Auto Pneumatic Action Company. (See Danquard, Thomas, assignor.)
Automatic Electric Company. (See Jacobsen, Emil, assignor.)
Automatic Electric Company. (See Richardson, Rodney G., assignor.)
Babcock, Allen E., Exeland, Wis. Insect-destroying machine. 1,509,093; Sept. 23.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc. Manufacturing esters. 1,509,463; Sept. 23.
Bailey, Benjamin F., jr., assignor of one-third to B. I. Trotter, Lucedale, Miss. Light dimmer for motor vehicles. 1,509,538; Sept. 23.
Baker, J. T., Chemical Company. (See Garis, Herbert H., assignor.)
Baker, Robert E., Pittsburgh, Pa., and H. W. Jordan, Syracuse, N. Y. Apparatus for treating grains and organic matter. 1,509,280; Sept. 23.
Balcker, Marten, Chicago, Ill. Hydraulic air compressor. 1,509,094; Sept. 23.
Balcker, Martin. (See Grunwald, A., and Balcker.)
Ballweber, George, Cincinnati, Ohio. Attachment for internal-combustion engines. 1,509,577; Sept. 23.
Bank, Benjiman, Philadelphia, Pa. Tobacco pipe. 1,509,627; Sept. 23.
Barber-Colman Company. (See Hathaway, Edgar F., assignor.)
Barber-Coleman Company. (See Peterson, Burt A., assignor.)
Bardy Motion Picture Machine Company. (See Bardy, Samuel, assignor.)
Bardy, Samuel, assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa. Combined mat and blending device. 1,509,628; Sept. 23.
Bardy, Samuel, assignor to Bardy Motion Picture Machine Company, Philadelphia, Pa. Rectifying lens. 1,509,629; Sept. 23.
Barnett, Frank E., Tampico, Mexico. Postal card. 1,509,662; Sept. 23.
Barr and Stroud, Limited. (See Barr, A., and Stroud, assignors.)
Barr, Archibald, and W. Stroud, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Apparatus for the control of gunfire on shipboard. 1,509,333; Sept. 23.
Barry, Thomas A., New Holland, Ill. Poultry-disinfecting device. 1,509,464; Sept. 23.
Bartons Bias Narrow Fabrics Company. (See Morris, Joseph P., assignor.)
Bassett, Harry P. (See Parsons, C. L., and Bassett.)
Bassler, Arthur H., Belleville, Ill. Funnel for powder kegs. 1,509,539; Sept. 23.
Bates, Lloyd W., and E. H. Traut, Detroit, Mich. Heat deflector for gas burners. 1,509,630; Sept. 23.
Bath, John, Worcester, Mass. Adjustable internal gauge. 1,509,578; Sept. 23.
Baxendale, William D. J., London, England. Clutch-operating mechanism. 1,509,221; Sept. 23.
Baya, Joseph L., Atlanta, Ga. Cap for radiators and the like. 1,509,465; Sept. 23.
Bayles, Lewis C., Easton, Pa., and A. E. Peters, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,509,220; Sept. 23.
Bayne, George G., Bushnell, Ill. Spraying apparatus. 1,509,222; Sept. 23.
Beardsley, Calvin L., Rock Island, Ill. Bottle-capping machine. 1,509,388; Sept. 23.
Becker, R. V., et al., trustees. (See Stephenson, Leigh J., assignor.)
Beghetti, Peter, San Francisco, Calif. Stencil. 1,509,223; Sept. 23.
Behl, Thomas F., Allentown, Pa. Peeling device. 1,509,700; Sept. 23.
Beltman, Albert B., Cleveland Heights, Ohio. Spring-shackle lubricator and cover. 1,509,466; Sept. 23.
Belcher, Jerrold G., Columbus, Ohio. Amulet or similar article. Des. 65,629; Sept. 23.
Bell & Howell Company. (See Howell, Albert S.)
Benckenstein, Charles H., Vinton, La. Tubing spacer. 1,509,747; Sept. 23.
Benjamin, Dana H., Cleveland Heights, Ohio, assignor, by mesne assignments, to Metropolitan Trust Company, trustee, New York, N. Y. Steaming device for garment presses. 1,509,095; Sept. 23.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug cluster. 1,509,096; Sept. 23.

Benke, Otto H., Stamford, Conn., assignor to The Yale & Towne Manufacturing Company. Lock. 1,509,579; Sept. 23.

Benner, Raymond C., Bayside, and H. F. French, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc. Storage cell, electrode therefor, and making the same. 1,509,186; Sept. 23.

Bent, Roderic L., Gardner, Mass., assignor to S. Bent & Bros., Inc. Child's chair. 1,509,580; Sept. 23.

Bent, S., & Bros. (See Bent, Roderic L., assignor.)

Bentzlin, Frank A., Andrus, Wis. Twin motor. 1,509,631; Sept. 23.

Bernard, John P., Orosi, Calif. Cutting machine. 1,509,389; Sept. 23.

Bernstein, Harold D., New York, N. Y. Film and plate holder. 1,509,701; Sept. 23.

Berrian, Harold J., Fishers Island, N. Y. Fuse plug. 1,509,702; Sept. 23.

Berthold, George H. E., East Orange, assignor to Rajah Auto Supply Co., Bloomfield, N. J. Electric terminal. 1,509,224; Sept. 23.

Biffar, Andreas, Miltenberg Germany. Pulper. 1,509,334; Sept. 23.

Billings, Josiah Q., Shreveport, La. Tractor attachment. 1,509,748; Sept. 23.

Billings, Josiah Q., Shreveport, La. Tractor attachment. 1,509,749; Sept. 23.

Binder, John L., Barnesboro, Pa. Safety package. 1,509,123; Sept. 23.

Bioscope Improvements Limited. (See Way, Edward J., assignor.)

Bishop, Newton J., St. Louis, Mo. Curtain-rod bracket. 1,509,300; Sept. 23.

Bissell, Don W., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of meta-nitrobenzaldehyde. 1,509,412; Sept. 23.

Bissell, Don W., and R. B. McCann, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Triphenylmethane compound and producing same. 1,509,413; Sept. 23.

Bisset, Wallace J., Bloomsburg, and M. S. Evans, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Electric heater. 1,509,097; Sept. 23.

Blomfield, Alfred L., Colorado Springs, Colo., assignor to The Dorr Company, New York, N. Y. Ore-treating system. 1,509,391; Sept. 23.

Blondel, André, Paris, France. Apparatus for exciting alternators. 1,509,501; Sept. 23.

Bloor, Frank, Bucklin, Kans. Trailer feeder attachment for combined harvester thrashers. 1,509,124; Sept. 23.

Blumenthal, Sidney & Co. (See Gowans, James, assignor.)

Bockin, William, Union Hill, N. J. Self-locking adjustable handcuff and leg shackle. 1,509,335; Sept. 23.

Bogaty, Hermann. (See Kerst, E. B., and Bogaty.)

Boidin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Simultaneous production of demineralized amylaceous substances and lower nitrogenous matter for food purposes by the use of tubers or cereals in whole or broken grains. 1,509,467; Sept. 23.

Bold, Leopold S., La Farge, Wis. Wire stretcher. 1,509,281; Sept. 23.

Bolgiano, William C., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Grab bucket. 1,509,187; Sept. 23.

Boltshauser, Heinrich, Zurich, Switzerland. Condensing steam locomotive. 1,509,581; Sept. 23.

Bonk, William, Buffalo Center, Iowa. Gas iron. 1,509,392; Sept. 23.

Borden, William A., U. S. Army. Stabilizer or fin assembly of a bomb. 1,509,336; Sept. 23.

Borden, William A., and C. H. M. Roberts, U. S. Army. Safety device for bombs. 1,509,337; Sept. 23.

Borchers, Herbert L., Lakewood, Ohio, assignor to National Carbon Co. Inc. Machine for crimping dry-cell jackets. 1,509,582; Sept. 23.

Bossard, Gisbert L., Amsterdam, N. Y., and R. Zaugg, Bern, Switzerland, assignors to Bossard Railway Signal Corporation, Troy, N. Y. Railway-train-protection system. 1,509,663; Sept. 23.

Bossard Railway Signal Corporation. (See Bossard, G. L., and Zaugg, assignors.)

Boston Pressed Metal Company. (See Needham, William H., assignor.)

Boulle, Fernand. (See Sardon, E., Boulle, Mordaci, and Commenge.)

Bourgeois, James S., Roxbury, Mass. Carpenter's square. 1,509,703; Sept. 23.

Bowen Products Corporation. (See Severson, George W., assignor.)

Bowlen, Allen L., Versailles, Mo. Flame tug. 1,509,704; Sept. 23.

Boyer, Harvey L., Philadelphia, Pa. Plate holder. 1,509,414; Sept. 23.

Bracci, Giulio, Detroit, Mich. Wrench. 1,509,632; Sept. 23.

Bradshaw, William T., and G. E. Schmidt, Oakland, Calif. Tobacco-smoking pipe, cigarette and cigar holder. 1,509,633; Sept. 23.

Braender, Frederick L., Montclair, N. J., Automobile tire. Des. 65,630; Sept. 23.

Braun, William P., M., Philadelphia, Pa. Gang lawn cleaner and rake. 1,509,468; Sept. 23.

Bremser, Oscar H., Columbia, Ill. Thrasher. 1,509,188; Sept. 23.

Briddes, William, Darby, Pa. Building block. 1,509,415; Sept. 23.

Brink, Carl A., Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee. Clutch and speed-controlling device. 1,509,469; Sept. 23.

Brod, Albert, New York, N. Y. Ring. Des. 65,631; Sept. 23.

Brod, Albert, New York, N. Y. Ring. Des. 65,632; Sept. 23.

Brohuska, Amed B., Detroit, Mich. Slack adjuster for vehicle brakes. 1,509,225; Sept. 23.

Bronnert, Emile, Mulhouse, France. Manufacture of threads of any thickness from viscose. 1,509,338; Sept. 23.

Brouillet, Georges, St. Etienne, France. Elastic wheel for vehicles. 1,509,705; Sept. 23.

Brown, Alfred T., assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio. Counterbalance for elevators. 1,509,803; Sept. 23.

Brown, Earl D., Toledo, Ohio. Breast pump. 1,509,226; Sept. 23.

Brown, George H., Cambridge, Mass. Color printing. 1,509,634; Sept. 23.

Brown, Stanley, Garden City, assignor to The Briscom Russell Company, New York, N. Y. Combined elevator and feed-water heating system. 1,509,634; Sept. 23.

Brown Hoisting Machinery Company, The. (See Bolgiano, William C., assignor.)

Brown Hoisting Machinery Company, The. (See Jacob, Brent C., assignor.)

Bryan, Clarence V., Laurel, and J. J. Bryan, Amaranth Station, Ontario, Canada. Oil burner. 1,509,706; Sept. 23.

Bryan, John J. (See Bryan, Clarence V., and J. J.)

Bryan, Leon O., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ammonium nitrate explosive. 1,509,393; Sept. 23.

Buchanan, Cyrus B., and C. C. Johnson, Richmond, Va. Current collector. 1,509,665; Sept. 23.

Budlong, Standish S., Rockford, Ill. Lavatory fixture. 1,509,635; Sept. 23.

Bugbee, Lucian W., assignor to Franklin Optical Company, Indianapolis, Ind. Fused bifocal lens. 1,509,636; Sept. 23.

Burbank, Edward A., Boston, Mass. Display rack. 1,509,125; Sept. 23.

Burgess, Thomas F., Scarsdale, N. Y. Garment hanger. 1,509,416; Sept. 23.

Burgess, Thomas W., Providence, R. I. Roller shade and curtain fixture. 1,509,470; Sept. 23.

Burhans, Paul B., Sanford, Fla. Spark plug. 1,509,471; Sept. 23.

Burkett, Ernest L., Greensborough, assignor of one-half to S. Joseph, Melbourne, Victoria, Australia. Sliding sash window. 1,509,707; Sept. 23.

Burrage, George B., et al., trustees. (See Stephenson, Leigh J., assignor.)

Burton, William J., Detroit, Mich. Wall construction. 1,509,637; Sept. 23.

Bush, Arthur G. (See Criner, Harry J., assignor.)

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam support and guide. 1,509,282; Sept. 23.

Butterfield, Charles L., et al. (See Karr, Glen L., assignor.)

Calcott, William S., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making a lead-alkali-metal alloy. 1,509,227; Sept. 23.

Caldbeck, Wendell H., Des Moines, Iowa, assignor to Vesta Battery Corporation, Chicago, Ill. Storage-battery-sealing device. 1,509,583; Sept. 23.

Caldwell, James E., Fayetteville, Tenn. Brush head. 1,509,417; Sept. 23.

California Art Tile Co. (See Hislop, William A., assignor.)

Callender, Monroe N., Los Angeles, Calif. Curtain hanger for casement windows. 1,509,098; Sept. 23.

Campbell, Helen, Yakima, Wash., assignor of one-half to F. Girtanner, Los Angeles, Calif. Amusement device. 1,509,750; Sept. 23.

Campbell, John G., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,509,666; Sept. 23.

Campbell, Thomas H., Temple, Tex. Phonograph attachment. 1,509,540; Sept. 23.

Cannan, James E., Utica, N. Y. Side stake for flat cars. 1,509,708; Sept. 23.

Carbide and Carbon Chemicals Corporation. (See Mersereau, Gail, assignor.)

Carbide and Carbon Chemicals Corporation. (See Young, Charles O., assignor.)

Cordley & Hayes. (See Cordley, H. G., and Long, assignors.)

Carey, Ezra O., Marion, Ind. Windmill. 1,509,472; Sept. 23.

Carino, Jose M., Washington, D. C. Automatic carriage-reversing mechanism for typewriters. 1,509,228; Sept. 23.

Carlson, Peter J., Sioux City, Iowa. Drag. 1,509,189; Sept. 23.

Carman, Henry L., Flagstaff, Ariz. Saw set. 1,509,709; Sept. 23.

Carnes, Almus T., Kansas City, Mo. Fluid-fuel burner. 1,509,541; Sept. 23.

Case, Frank E., assignor to The Harvard Company, Canton, Ohio. Dental chair. 1,509,542; Sept. 23.

Castellana, Joseph, New York, N. Y. Statuette. Des. 65,633; Sept. 23.

Catlin, Robert M., Franklin, N. J., assignor to Catlin Shale Products Company, New York, N. Y. Method and apparatus for distillation of carbonaceous material. 1,509,667; Sept. 23.

Catlin Shale Products Company. (See Catlin, Robert M., assignor.)

Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Turn shoe. 1,509,126; Sept. 23.

Cecil, Augustine J., Oconto, Wis. Stake holder. 1,509,229; Sept. 23.

Chamberlin, Clarence P., Birmingham, assignor of one-half to Joseph N. Smith & Company, Detroit, Mich. Automobile door lock. 1,509,283; Sept. 23.

Chambers, Charles W., Vanoss, Okla. Egg case. 1,509,710; Sept. 23.

Chambers, Stephen G., Oregon City, Oreg. Paper-machine couch roll. 1,509,584; Sept. 23.

Chapman, Ray K., and E. G. Messer, Elma, Wash. Fair lead. 1,509,711; Sept. 23.

Chappell, Bert C., Rockville, Mo. Thrasher. 1,509,712; Sept. 23.

Chase, Elroy A., Northfield, Vt. Edge trimmer for stone blocks. 1,509,585; Sept. 23.

Chase, Elroy A., Northfield, Vt. Edge-lining machine. 1,509,586; Sept. 23.

Chase, L. C., & Company. (See Hopewell, Henry C., assignor.)

Chicago-Cleveland Car Roofing Company. (See Munro, Roy C., assignor.)

Chicago Mill and Lumber Company. (See Walter, Harrison B., assignor.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Citizens of the United States of America. (See Thelen, Rolf.)

Clark, Matthew L. (See Murray, P. J., and Clark.)

Clauson, Gustave B., Winnebago, Ill. Clutch-operating attachment for tractors. 1,509,638; Sept. 23.

Clay, Henry, Camden Town, London, England. Construction of ships, boats, and other vessels. 1,509,284; Sept. 23.

Clement, Hans, New York, N. Y., assignor to General Optical Company. Pedestal. Des. 65,634; Sept. 23.

Clement, Hans, New York, N. Y., assignor to General Optical Company. Pedestal. Des. 65,635; Sept. 23.

Cofrin, Austin E., Green Bay, Wis. Making crêpe paper. 1,509,418; Sept. 23.

Colbow, Max, jr., Cleveland Heights, Ohio. Secret cabinet. 1,509,285; Sept. 23.

Colby, Ell F., Lake Mills, Iowa. Radiator fan. 1,509,286; Sept. 23.

Cole, Melville R., assignor of one-half to W. M. Vastine, Monte Vista, Colo. Water turbine. 1,509,587; Sept. 23.

Coleman, William C., Wichita, Kans. Vibrating concentrator. 1,509,099; Sept. 23.

Colgate & Company. (See Colgate, S. B., and Ittner, assignors.)

Colgate & Company. (See Ittner, Martin H., assignor.)

Colgate, Samuel B., Orange, and M. H. Ittner, assignors to Colgate & Company, Jersey City, N. J. Collapsible tube. 1,509,419; Sept. 23.

Commenge, Emilien. (See Sardon, Boulle, Mordaci, and Commenge.)

Condon, James J., Robbinsdale, Minn. Drapery hanger for casement windows. 1,509,639; Sept. 23.

Connecticut Telephone & Electric Company, The. (See Donle, Harold P., assignor.)

Conover, William G., Philadelphia, Pa. Card-system-filing device. 1,509,640; Sept. 23.

Cook, Charles L., Louisville, Ky. Power transmission. 1,509,713; Sept. 23.

Cook, Paul D., Sioux City, Iowa. Cherry pitter. 1,509,190; Sept. 23.

Corbin, Henry P., assignor to Moline Plow Company, Incorporated, Moline, Ill. Implement pole connection. 1,509,230; Sept. 23.

Cordley, Henry G., Glen Ridge, N. J., and G. R. Long, Waterbury, Conn., assignors to Cordley & Hayes, New York, N. Y. Faucet. 1,509,339; Sept. 23.

Corona, Samuel V., Janesville, Wis. Fountain pen. Des. 65,636; Sept. 23.

Corson, Isaac S., Great Falls, Mont. Weed burner. 1,509,340; Sept. 23.

Cottrill, William E. (See MacPherson, J. F., and Cottrill.)

Cox, William G., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Vehicle bumper. 1,509,394; Sept. 23.

Cox, William G., assignor, by mesne assignments, to The Eaton Axle and Spring Company, Cleveland, Ohio. Spring bumper for automobiles. 1,509,395; Sept. 23.

Craig, Edward, St. Joseph, Mich. Machine for making ice-cream pails or other receptacles. 1,509,191; Sept. 23.

Craig, Edward, St. Joseph, Mich. Machinery and method for making receptacles. 1,509,192; Sept. 23.

Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Metal-bound shipping box. 1,509,193; Sept. 23.

Crane, William M., Company. (See O'Dowd, Henry W., assignor.)

Cretors, Charles, Chicago, Ill. Pan for corn-popping machines. 1,509,714; Sept. 23.

Creveling, John L., White Plains, N. Y., assignor to Gould Coupler Company. Electric regulation. 1,509,396; Sept. 23.

Creveling, John L., Tucson, Ariz., assignor to Gould Coupler Company. Electric regulation. 1,509,397; Sept. 23.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Clothes wringer. 1,509,588; Sept. 23.

Crompton & Knowles Loom Works. (See Nicholas, George K., assignor.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crowell, Clarence H., Fort Worth, Tex. Distributing apparatus for matrices of type-casting machines and the like. 1,509,398; Sept. 23.

Crumley, Le Roy A., New York, N. Y., assignor to The Rogers Silver Plate Co. Backplate for lighting fixtures. Des. 65,637; Sept. 23.

Cummings, Alfred H. (See Fish, G. C., and Cummings.)

Curran, Frank J. M., Grand Rapids, Mich. Refrigerator construction. 1,509,589; Sept. 23.

Curtis, Lewis E., Warren, Ohio, assignor to The Youngstown Pressed Steel Company. Machine for expanding metal. 1,509,543; Sept. 23.

Curtis, Lewis E., Warren, Ohio, assignor to The Youngstown Pressed Steel Company. Forming expanded-metal corner beads. 1,509,544; Sept. 23.

Curtiss Aeroplane and Motor Company. (See Mummert, Harvey C., assignor.)

Ducar, Frank, Holloway, Ohio. Wire stretcher. 1,509,715; Sept. 23.

Dahl, Peter C., Wahpeton, N. Dak. Adjustable fender brace. 1,509,545; Sept. 23.

Dale, Olof, Portland, Oreg. Push sleigh. 1,509,546; Sept. 23.

Daley, Roland B., Chicago, Ill. Phonograph tone arm. 1,509,100; Sept. 23.

Dana, Alan S., Seymour, Conn., assignor to The Kerite Insulated Wire and Cable Company. Process and apparatus for coating wire. 1,509,101; Sept. 23.

Dana, Alan S., Seymour, Conn., assignor to The Kerite Insulated Wire and Cable Company. Electrical conductor. 1,509,102; Sept. 23.

Dana, Leslie, St. Louis, Mo. Coal heater. Des. 65,638; Sept. 23.

Daniel, William G., Sunburst, N. C. Log carrier. 1,509,716; Sept. 23.

Danquard, Thomas, New York, N. Y., assignor to Auto Pneumatic Action Company. Tracking mechanism for music sheets. 1,509,590; Sept. 23.

Davis, Charles C., Northfield, Vt. Reel carrier. 1,509,717; Sept. 23.

Davis, John E., Cincinnati, Ohio. Device for treating chocolate confections and the like. 1,509,591; Sept. 23.

Dawson, Elma N. (See Dawson, James C., assignor.)

Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,509,815; Sept. 23.

Day, J. H., Company, The. (See Ruckriegel, John, assignor.)

Dayton, William L., Fort Worth, Tex. Power jack for compressors and the like. 1,509,641; Sept. 23.

Dayton-Wright Company. (See Jacobs, James M. H., assignor.)

Decker, Harry R., Houston, Tex. Rotary. 1,509,547; Sept. 23.

Deere & Company. (See Paul, William L., assignor.)

Deere & Company. (See Strandlund, Carl G., assignor.)

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

Delco-Light Company. (See Campbell, John G., assignor.)

Depotie, Joseph A., Cicero, Ill. Mixing device. 1,509,718; Sept. 23.

De Sherbinin, Eric M., Toronto, Ontario, Canada, assignor, by mesne assignments, to Paragon Dishwasher Syndicate Incorporated. Cabinet. 1,509,127; Sept. 23.

Dessem, Elwood C. (See Stanton, C. H., and Dessem.)

Devine, John J., Middletown, Conn. Fountain pen and electric light. 1,509,719; Sept. 23.

Dicks, Thomas A., assignor to Standard Steel Propeller Company, Pittsburgh, Pa. Propeller. 1,509,804; Sept. 23.

Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting device for sewing machines. 1,509,502; Sept. 23.

Dillon, Cornelius J., and J. F., Philadelphia, Pa. Automatic water heater. 1,509,592; Sept. 23.

Dillon, Frank H., Rock Island, Ill. Smoke consumer. 1,509,341; Sept. 23.

Dillon, Frank H., Rock Island, Ill. Smoke consumer. 1,509,342; Sept. 23.

Dillon, Frank H., Rock Island, Ill. Smoke consumer. 1,509,343; Sept. 23.

Dillon, Joseph F. (See Dillon, Cornelius J. and J. F.)

Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Insulating unit for rail joints. 1,509,668; Sept. 23.

Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering reel. 1,509,503; Sept. 23.

Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering reel. 1,509,504; Sept. 23.

Dodman, Alfred C., jr., Summit, N. J., and C. S. Relber, New York, N. Y.; said Relber assignor to said Dodman. Cretonne. Des. 65,639; Sept. 23.

Doule, Harold P., assignor to The Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Telephone receiver. 1,509,805; Sept. 23.

Donnell, James A., Austin, Tex. Toothbrush. 1,509,720; Sept. 23.

Donnell, James E., and F. L. Glover, San Francisco, Calif. Sliding curtains for automobiles. 1,509,231; Sept. 23.

Dornier, Claudius, Friedrichshafen, Germany. Giant flying machine. 1,509,344; Sept. 23.

Dorr Company, The. (See Blomfield, Alfred L., assignor.)

Draper Corporation. (See Stimpson, Edward S., assignor.)

Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Tunnel kiln. 1,509,195; Sept. 23.

Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Distillation apparatus. 1,509,196; Sept. 23.

Dresser, Ivan C., Yonkers, N. Y. Edible container. 1,509,194; Sept. 23.

Duff, Lee F., and G. Langhans, Los Angeles, Calif. Rotary display case. Des. 65,640; Sept. 23.

Duke, Earl H., Houston, assignor of one-half to R. P. Suhn, Harris County, Tex. Ice holder. 1,509,197; Sept. 23.

Dunham, C. A., Company. (See Johnson, Oscar G., assignor.)

Dunkley Company. (See Dunkley, Samuel J., assignor.)

Dunkley, Samuel J., Oakland, Calif., assignor to Dunkley Company, Kalamazoo, Mich. Electrically-controlled regulating valve. 1,509,345; Sept. 23.

Du Pont, E. I., de Nemours & Company. (See Bryan, Leon O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Calcott, William S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Marshall, John, assignor.)

Dykes, John L. G., Chicago, Ill. Method and apparatus for making pneumatic tires. 1,509,346; Sept. 23.

Dykes, John L. G., Chicago, Ill., assignor, by mesne assignments, to Heller-Dykes Corporation. Making pneumatic tire casings. 1,509,814; Sept. 23.

Earp J. Russel. (See Silverman, Benjamin, assignor.)

Eastman Kodak Company. (See Tessler, Julien, assignor.)

Eaton Axle and Spring Company, The. (See Cox, William G., assignor.)

Eckler, George E., assignor to The Franz Foundry & Machine Company, Akron, Ohio. Engraving machine. 1,509,287; Sept. 23.

Economic Carbonization Company. (See Wallace, George W., assignor.)

Economy Rail Joint Company. (See Edwards, Herbert W., assignor.)

Eddingston, A. T. (See Pokorny, James T., assignor.)

Edelman, Jacob, Brooklyn, N. Y., assignor to R. Edelman, Fountain pen. 1,509,420; Sept. 23.

Edelman, Rose. (See Edelman, Jacob, assignor.)

Edwards, Herbert W., Audubon, N. J., assignor to Economy Rail Joint Company. Railway-rail joint. 1,509,721; Sept. 23.

Effront, Jean. (See Boidin, A., and Effront.)

Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Regulator. 1,509,669; Sept. 23.

Electrical Inventions & Development Company. (See Vecchio, Luigi, assignor.)

Ellinwood, Mildred G., Kansas City, Mo. Ribbon drier for lingerie. 1,509,198; Sept. 23.

Elliott, William S., jr., New York, N. Y. Vapor dynamo-electric machine. 1,509,103; Sept. 23.

Ellsworth, Ross J., Chicago, Ill. Door for in-a-closet beds. 1,509,128; Sept. 23.

Empire Printing and Box Company. (See Kaufman, Ferdinand M., assignor.)

Erickson, Carl B. (See Wahlin, A. W., and Erickson.)

Evans, Ellie C., and P. C. Roberts, Wiley, Colo. Beet-leading machine. 1,509,129; Sept. 23.

Evans, Morris S. (See Bisset, W. J., and Evans.)

Fanpel, George E., Beeville, Tex. Razor strop. 1,509,347; Sept. 23.

Fazio, James, Venice, Calif. Casing for a fruit crushing, displaying, and dispensing device. Des. 65,641; Sept. 23.

Federal Laboratories, Incorporated. (See Lawrence, Ruben B., assignor.)

Federal Pressed Steel Company. (See Hansen, F. D., and Tinker, assignors.)

Federated Engineers Development Corporation. (See Potter, Thomas L., assignor.)

Felger, Charles J., Churubusco, Ind. Strainer holder. 1,509,593; Sept. 23.

Feltenstein, Isaac J., St. Joseph, Mo. Roll attachment for cameras. 7,509,399; Sept. 23.

Fenstermaker, Emanuel L., Lancaster, Pa. Broom holder. 1,509,722; Sept. 23.

Fenton, William T., et al., trustees. (See Stephenson, Leigh J., assignor.)

Fest, Herman P., San Diego, Calif. Price tag. 1,509,130; Sept. 23.

Fink, Edward J., New York, N. Y. Eyeglasses. 1,509,723; Sept. 23.

Fischbacher, Philip, Quincy, Ill. Refrigerating apparatus. 1,509,131; Sept. 23.

Fischer, Adam, assignor to Guaranty Iron & Steel Co., Chicago, Ill. Elevator door. 1,509,670; Sept. 23.

Fish, Grant C., and A. H. Cummings, Chico, Calif. Paint gun. 1,509,671; Sept. 23.

Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)

Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)

Fitch, Benjamin F., Evanston, Ill. Hoisting cradle. 1,509,400; Sept. 23.

Fleischer, Jesse S., Baltimore, Md., assignor to Libbey Manufacturing Co. Display sample. 1,509,548; Sept. 23.

Flick, John P., Hamilton, Ohio, assignor to American Can Company, New York, N. Y. Container. 1,509,642; Sept. 23.

Flint, Lewis R., Galesburg, Mich. Swinging toy. 1,509,348; Sept. 23.

Floyd, James L. (See Thomas, J. R., and Floyd.)

Folger, John C., Alton, Iowa. Grain door for box cars. 1,509,199; Sept. 23.

Folmsbee, Clyde H., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Combined cap and rod wrench. 1,509,132; Sept. 23.

Forcey, Samuel A., Dubois, Pa. Glass reflector for electric-light fixtures. Des. 65,642; Sept. 23.

Forsberg, L. A., Braham, Minn. Well cap. 1,509,643; Sept. 23.

Forse, William H., jr., Anderson, Ind. Double roller-shade and shield supporting bracket. 1,509,644; Sept. 23.

Forsythe, William H., Fort Collins, Colo. Amusement structure. 1,509,232; Sept. 23.

Foss, Marvin J., Faribault, Minn. Insulator. 1,509,645; Sept. 23.

Fournier, Oscar, Symmes Township, Hamilton County, assignor to The United States Playing Card Company, Norwood, Ohio. Photoprinting machine. 1,509,806; Sept. 23.

Fowden, Joseph J., Philadelphia, Pa. Draft regulator. 1,509,473; Sept. 23.

Fralick, Syles R., Chicago, Ill. Outlet box. 1,509,288; Sept. 23.

Frame, Paul, assignor to Gas & Electric Appliance Corporation, Baltimore, Md. Soot-consuming device. 1,509,724; Sept. 23.

France, Edward E., Beaver Dam, Wis. Measuring device for cans. 1,509,349; Sept. 23.

Francis, John H., assignor to The Kilby Manufacturing Company, Cleveland, Ohio. Closure-retaining device. 1,509,421; Sept. 23.

Franklin Optical Company. (See Bugbee, Lucian W., assignor.)

Franz Foundry & Machine Company, The. (See Eckler, George E., assignor.)

Freeland, Ansel, Nevada, Iowa. Ventilated container. 1,509,549; Sept. 23.

Freer, James S., Rutherford, N. J. Apparatus for preparing photoengraving plates. 1,509,725; Sept. 23.

Freeze, Jonathan R., Middletown, Ohio, assignor to Rudd Hardesty, trustee, Denver, Colo. Riveting machine. 1,509,133; Sept. 23.

Freeze, Jonathan R., Middleton, Ohio, assignor to R. Harvesty, trustee, Denver, Colo. Pipe-forming machine. 1,509,134; Sept. 23.

French, Harry F. (See Benner, R. C., and French.)

French, James C., Cleveland, Ohio, assignor, by mesne assignments, to F. C. Austin Machinery Company. Trench and tunnel excavator. 1,509,646; Sept. 23.

Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pin-tumbler lock. 1,509,594; Sept. 23.

Fuente, Julio, West Tampa, Fla. Binder cutter. 1,509,135; Sept. 23.

Fulda, Edward. (See Lachman, L. S., and Fulda.)

Gallor, Chester F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Joint. 1,509,474; Sept. 23.

Gale, Leslie H., Worcester, Mass. Routing machine. 1,509,289; Sept. 23.

Galli, John, Bethlehem, Pa. Door and shutter fastener. 1,509,726; Sept. 23.

Gallo, Antonio, Peekskill, N. Y. Lockable gas cock. 1,509,550; Sept. 23.

Galloway, Charles M., et al. (See McDaniel, James E., assignor.)

Gardner, Lewis T., Oakland, Calif. Platen-press gauge. 1,509,233; Sept. 23.

Garey, John P., Elmira Heights, N. Y. Spinning and twisting frame and the like. 1,509,234; Sept. 23.

Garis, Herbert H., Easton, Pa., assignor to J. T. Baker Chemical Company, Phillipsburg, N. J. Carboy. 1,509,422; Sept. 23.

Garner, Corman E., Columbus, Ohio. Dead-belt-shifting device. 1,509,423; Sept. 23.

Garrard, Edward J., Richmond, Calif. Building tile. 1,509,424; Sept. 23.

Garrard, Olmer K., Fort Wayne, Ind. Tailstock. 1,509,505; Sept. 23.

Gas & Electric Appliance Corporation. (See Frame, Paul, assignor.)

Gas & Electric Appliance Corporation. (See Koehler, Maxemilleun E., assignor.)

Gaynor, Arthur C., Stratford, Conn. Electric switch apparatus. 1,509,200; Sept. 23.

Gaynor, Arthur C., Stratford, Conn. Electric switch apparatus and system. 1,509,201; Sept. 23.

Gaynor, Arthur C., Stratford, Conn. Attachment plug. 1,509,672; Sept. 23.

General Electric Company. (See Huber, Herman J. H., assignor.)

General Electric Company. (See Samuelson, Frederick, assignor.)

General Optical Company. (See Clement, Hans, assignor.)

George, Chris P., San Luis Obispo, Calif. Attachment for mowing machines. 1,509,647; Sept. 23.

George, Enoch, jr. (See Regan, W. J., and George.)

George, Ross F., Seattle, Wash. Signal and display lamp. 1,509,290; Sept. 23.

Gerrie, Harry R., Montreal, Quebec, Canada. Tire carrier. 1,509,727; Sept. 23.

Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches (See Osnos, Mendel, assignor.)

Gianella, Leo J., Long Beach, Calif. Rotary jar. 1,509,350; Sept. 23.

Gibson, Andrew, Turramurra, New South Wales, Australia. Combined float and paddle for use while bathing. 1,509,551; Sept. 23.

Giffen, Wallace M., Alameda, assignor of one-third to N. W. Thompson, Oakland, and one-third to G. C. Noble, Berkeley, Calif. Outlet-valve system. 1,509,425; Sept. 23.

Gilbert, Henry J., Saginaw, Mich. Sheet glass. Des. 65,643; Sept. 23.

Giroaard, Joseph E., and A. La Caire, Montreal, Quebec, Canada. Shuttle. 1,509,751; Sept. 23.

Girtanner, Fred. (See Campbell, Helen, assignor.)

Giuliani, Joseph G., Washington, D. C. Theft detector for automobiles. 1,509,235; Sept. 23.

Glover, Frank L. (See Donnell, J. E., and Glover.)

Godfrey, George A. (See Keightley, H. S., and Godfrey.)

Goff, Milton G., Detroit, Mich. Knife sharpener. 1,509,136; Sept. 23.

Golluick, Paul A. (See Anderson, R. C., and Golluick.)

Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)

Goodspeed Machine Company. (See Witt, John J., assignor.)

Gordon, David D., Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Wall switch. 1,509,506; Sept. 23.

Gordon Electric Manufacturing Company, The. (See Seltzer, Ira R., assignor.)

Gorton, Walter T., U. S. Army. Receiver for machine guns. 1,509,401; Sept. 23.

Gottlieb, Benjamin, New York, N. Y. Waterproof container. 1,509,137; Sept. 23.

Gould Coupler Company. (See Creveling, John L., assignor.)

Governale, Antonio, Brooklyn, N. Y. Panel for bedstead ends. Des. 65,644; Sept. 23.

Governale, Antonio, Brooklyn, N. Y. Panel for bedstead ends. Des. 65,645; Sept. 23.

Governale, Antonio, Brooklyn, N. Y. Panel for bedstead ends. Des. 65646; Sept. 23.

Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 64,647; Sept. 23.

Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 65,648; Sept. 23.

Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 65,649; Sept. 23.

Granbau, Hans E., assignor, by mesne assignments, to Multiple Cord Corporation, New York, N. Y. Method and apparatus for producing strands for tire fabric. 1,509,202; Sept. 23.

Graemiger, Benjamin, assignor to Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Compressor installation. 1,509,351; Sept. 23.

Grafenberg, Leopold, Cologne-Lindenthal, Germany, assignor to J. F. Monnot, Mill Hill, Middlesex, England. Alkaline electric battery. 1,509,138; Sept. 23.

Grau, William S. (See Timbs, E., and Grau.)

Gray, Louis E., assignor to Copartnership composed of said L. E. Gray and J. S. Judy, Indianapolis, Ind. Plasterer's reversible float. 1,509,807; Sept. 23.

Gray, Louis E., et al. (See Gray, Louis E., assignor.)

Greene, Fred E., Berkeley, Calif. Paving iron. 1,509,236; Sept. 23.

Gregg, Norris B., jr., St. Louis, Mo. Apparatus for forming fuel charges for internal-combustion engines. 1,509,426; Sept. 23.

Grenfell, Vincent, Albuquerque, N. Mex., assignor to I. D. Lambert, Denver, Colo., and G. W. Johnson, Albuquerque, N. Mex. Stand. 1,509,203; Sept. 23.

Griffith, Richard H., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Seed-discharging mechanism. 1,509,291; Sept. 23.

Grimes, David, Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving apparatus. 1,509,139; Sept. 23.

Griscom Russell Company, The. (See Brown, Stanley, assignor.)

Griscom Russell Company, The. (See Rice, Joseph, assignor.)

Gross, Edward J., South Orange, N. J., assignor to Meyer & Gross. Gem setting. Des. 65,650; Sept. 23.

Grosvenor, John A., assignor of forty per cent to W. M. Vastine and forty per cent to J. P. Veerkamp, Monte Vista, Colo. Air pump. 1,509,595; Sept. 23.

Groulx, Ernest, assignor to A. Hoolahan, Montreal, Canada. Electric water heater. 1,509,140; Sept. 23.

Grovedahl, Harry L., Waukon, Iowa. Track gauge. 1,509,141; Sept. 23.

Gruenfeldt, Emil, assignor to The Hydraulic Steel Company, Cleveland, Ohio. Automatic welding machine. 1,509,507; Sept. 23.

Grunwald, Albert, and M. Balcker, assignors to Marquette Tool & Manufacturing Company, Chicago, Ill. Combined check, needle, and safety valve. 1,509,508; Sept. 23.

Guaranty Iron & Steel Co. (See Fischer, Adam, assignor.)

Gulberson Corporation. (See Wilson, Robert A., assignor.)

Gunther, E. & A., Co. Ltd. (See MacLaren, Andrew B., assignor.)

Gurr, Charles E., Casper, Wyo. Boiler compound. 1,509,352; Sept. 23.

Gustafson, Carl L., Chicago, Ill. Bench vise. 1,509,509; Sept. 23.

Gutberlet, Charles J., Philadelphia, Pa. De-inking plate-press wipers. 1,509,648; Sept. 23.

Hagen, Carl B., Ute, Iowa. Drain attachment for hand-operated pumps. 1,509,427; Sept. 23.

Haggart, John C., jr., assignor to Republic Motor Truck Co., Inc., Alma, Mich. Motor-bus construction. 1,509,142; Sept. 23.

Hall, C. M., Lamp Company. (See Seitz, Ernest O., assignor.)

Hall, Charles C., Kalamazoo, Mich. Packing. 1,509,353; Sept. 23.

Hall, John P., Patroon, Tex. Window-shade roller. 1,509,728; Sept. 23.

Hallock, Guy R., and R. Villane, Duluth, Minn. Vehicle top. 1,509,143; Sept. 23.

Hambuechen, Carl, New York, N. Y., assignor to National Carbon Company, Inc. Portable illuminating device. 1,509,354; Sept. 23.

Hamby, Arthur W., et al. (See McDaniel, James E., assignor.)

Hamby, Theodotus C., et al. (See McDaniel, James E., assignor.)

Hameetman, Jacob P., Frankfort, Ind. Automatic locking table top for kitchen cabinets or the like. 1,509,649; Sept. 23.

Hames, Harry C., assignor to F. O. Schoedinger, Columbus, Ohio. Corn crib, grain bin, and other sheet-metal structure. 1,509,596; Sept. 23.

Hanger Electric Manufacturing Company. (See Jennings, Valerius T., assignor.)

Hanna, Ellsworth J., assignor to Thomas Elevator Company, Chicago, Ill. Chuck. 1,509,510; Sept. 23.

Hansen, Frederick D., and H. W. Tinker, assignors to Federal Pressed Steel Company, Milwaukee, Wis. Brake drum. 1,509,292; Sept. 23.

Hanson & Van Winkle Company, The. (See Todd, Guerin, assignor.)

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Refining sugar-cane juice. 1,509,355; Sept. 23.

Hardesty, Rudd, trustee. (See Freeze, Jonathan R., assignor.)

Hardy, George W., Los Angeles, Calif. Emergency slide. 1,509,552; Sept. 23.

Harmet, Frank J., Chicago, Ill. Hood for billiard-table pockets. 1,509,144; Sept. 23.

Harris, William B., Denver, Colo. Draft-preventing device for automobiles. 1,509,237; Sept. 23.

Harrison, Charles, Vancouver, British Columbia, Canada. Wood-refuse destroyer. 1,509,475; Sept. 23.

Harrison, Henry H., deceased; V. B. Harrison, executrix; Boston, Mass. Apparatus for treating cranberries. 1,509,204; Sept. 23.

Harrison, Virginia B., executrix. (See Harrison, Henry H.)

Hart, Charles W., Milwaukee, Wis. Tractor. 1,509,293; Sept. 23.

Harvard Company, The. (See Case, Frank E., assignor.)

Hassler, Adam, Fort Lee, N. J., and H. Rothman, Brooklyn, N. Y. Combination cooker and steamer. 1,509,732; Sept. 23.

Hathaway, Edgar F., Wellesley, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Textile machine. 1,509,402; Sept. 23.

Haummeller, Henry C., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Wheel tongs. 1,509,145; Sept. 23.
Head, Wallace M., Toledo, Ohio. Foot-pedal extension. 1,509,294; Sept. 23.
Heard, Samuel M., Pittsburgh, Pa. Tongs. 1,509,753; Sept. 23.
Heath, Archibald B., Lynbrook, N. Y. Lamp. Des. 65,651; Sept. 23.
Heath, Archibald B., Lynbrook, N. Y. Lamp. Des. 65,652; Sept. 23.
Heath, Archibald B., Lynbrook, N. Y. Lamp. Des. 65,653; Sept. 23.
Heiny, Anatole C., Washington, D. C. Fiber-cleaning machine. 1,509,754; Sept. 23.
Heise, George W., Elmhurst, N. Y., assignor to National Carbon Company, Inc. Hermetically-sealed dry cell. 1,509,650; Sept. 23.
Heller-Dykes Corporation. (See Dykes, John L. G., assignor.)
Heltzel, Francis O., Warren, Ohio. Car unloader. 1,509,597; Sept. 23.
Henry, Philip J., assignor to The Van Voorhies-Phinney Co., Sacramento, Calif. Rigging ring. 1,509,428; Sept. 23.
Hensley, William M., Vicco, Va. Elevator safety device. 1,509,755; Sept. 23.
Hess, Meyer S., Baltimore, Md. Shoe-sole lining. 1,509,756; Sept. 23.
Hewitt, Albertis. (See Owen, J. W., and Hewitt.)
Heyman, Samuel, Brooklyn, N. Y. Skylight. 1,509,757; Sept. 23.
Hickernell, Ross, Warren, Ohio. Solo trumpet. 1,509,104; Sept. 23.
Hill, N. N., Brass Co., The. (See Hill, Norman N., assignor.)
Hill, Norman N., assignor to The N. N. Hill Brass Co., East Hampton, Conn. Toy desk telephone. 1,509,598; Sept. 23.
Hill, Norman N., assignor to The N. N. Hill Brass Co., East Hampton, Conn. Toy desk telephone. 1,509,599; Sept. 23.
Hillerich, John A., Louisville, Ky. Golf club. 1,509,429; Sept. 23.
Hislop, William A., assignor to California Art Tile Co., Richmond, Calif. Tile-making machine. 1,509,205; Sept. 23.
Hochberg, Oscar, New York, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-discharge-valve mechanism. 1,509,146; Sept. 23.
Hoerl, Conrad, Newark, N. J. Friction clutch. 1,509,511; Sept. 23.
Holbrook, David M., Portland, Oreg. Shutter attachment for wick-fed burners. 1,509,206; Sept. 23.
Holcomb, Alpheus E., and L. A. Russell, assignors to Koehring Company, Milwaukee, Wis. Convertible crane. 1,509,295; Sept. 23.
Holden, Thomas F., assignor of one-third to R. D. Weaver, Washington, D. C., and one-third to C. Vos, New York, N. Y. Manufacturing water gas. 1,509,553; Sept. 23.
Holden, Thomas F., assignor of one-third to R. D. Weaver, Washington, D. C., and one-third to C. Vos, New York, N. Y. Apparatus for the manufacture of water gas. 1,509,554; Sept. 23.
Holmes, Harleigh R., assignor to Plains Motors Corporation, Denver, Colo. Power transmission for wheels. Re15,919; Sept. 23.
Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Stamping apparatus and process. 1,509,145; Sept. 23.
Hoobahan, Arthur. (See Groulx, Ernest, assignor.)
Hopewell, Henry C., Newton, assignor to L. C. Chase & Company, Boston, Mass. Convertible robe and wrap. 1,509,296; Sept. 23.
Horsburgh, John H., Cleveland, Ohio. Faucet and making the same. 1,509,430; Sept. 23.
Hostetter, Theodore, assignor, by mesne assignments, to The Krantz Realty & Investment Company, Toledo, Ohio. Facing molded articles. 1,509,729; Sept. 23.
Hoodaille Company, The. (See Lincoln, C. A., and Rossman, assignors.)
Howard, Emmett, and J. W. Kays, Eugene, Oreg. Harvester. 1,509,103; Sept. 23.
Howe, Walter E. (See Moorman, J. H., and Howe.)
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Electric-motor drive and control means for motion-picture machines and the like. 1,509,555; Sept. 23.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Intermittent-feed mechanism. 1,509,556; Sept. 23.
Huber, Herman J. H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,509,758; Sept. 23.
Huber, Otto G., Hartford, Conn. Combination vacuum window snap. 1,509,759; Sept. 23.
Hudson, Walter E., Amagansett, N. Y. Heating system. 1,509,207; Sept. 23.
Hughes, Robert R., jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Machine for forming and stitching tapered collarets. 1,509,148; Sept. 23.
Hughes, William R., Fargo, Okla. Hulling attachment for thrashing machines. 1,509,730; Sept. 23.
Hull, John C., Gasport, N. Y. Process and system of applying insecticides. 1,509,208; Sept. 23.
Huntley, Alton K., Madison, Wis., assignor to National Carbon Company, Inc. Deferred-action dry battery. 1,509,209; Sept. 23.
Hutchison, Hugh, Kilmarnock, assignor to Hutchison's Turbinia Oil Burners Limited, Glasgow, Scotland. Liquid and solid fuel burner. 1,509,356; Sept. 23.
Hutchison's Turbinia Oil Burners Limited. (See Hutchison, Hugh, assignor.)
Hydraulic Steel Company, The. (See Gruenfeldt, Emil, assignor.)
Iffiger, William C., Los Angeles, Calif. Coupling. 1,509,651; Sept. 23.
Illmer, Louis, Cortland, N. Y. Fuel pump for internal-combustion engines. 1,509,238; Sept. 23.
Ingersoll-Rand Company. (See Bayles, L. C., and Peters, assignors.)
Inland Accessories Manufacturing Company. (See Lewis, James R., assignor.)
Ittner, Martin H., assignor to Colgate & Company, Jersey City, N. J. Collapsible tube. 1,509,431; Sept. 23.
Ittner, Martin H. (See Colgate, S. B., and Ittner.)
Jackman, Winthrop T., East Corinth, Vt. Machine for placing rings on bobbins and the like. 1,509,666; Sept. 23.
Jacob, Brent C., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Controlling solenoid brakes. 1,509,210; Sept. 23.
Jacobs, James M. H., assignor to Dayton-Wright Company, Dayton, Ohio. Pontoon skid. 1,509,297; Sept. 23.
Jacobs, Julian S. (See Kevlin, M. F., and Jacobs.)
Jacobsen, Emil, Port Washington, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,509,298; Sept. 23.
Jeantet, François. (See Aebl, A., and Jeantet.)
Jefferson, Roscoe V., Chicago, Ill. Fluid-fuel burner and supply apparatus. 1,509,557; Sept. 23.
Jefferson, Roscoe V., Chicago, Ill. Fluid-fuel burner. 1,509,558; Sept. 23.
Jeneckes Knitting Machine Company. (See Miller, Max C., assignor.)
Jennings, Valerius T., assignor to Hanger Electric Manufacturing Company, Chicago, Ill. Electric-lighting fixture. 1,509,559; Sept. 23.
Johski, Otto H., assignor to The Standard Parts Company, Cleveland, Ohio. Rim. 1,509,512; Sept. 23.
Johnson, Arthur F. (See Johnson, Harry W., A. F., and C. V.)
Johnson, Charles C. (See Buchanan, C. B., and Johnson.)
Johnson, Charles V. (See Johnson, Harry W., A. F., and C. V.)
Johnson, Fredolph. (See Johnson, Harry W., A. F., and C. V.)
Johnson, G. W., et al. (See Grenfell, Vincent, assignor.)
Johnson, Harry W., A. F., F., and C. V., Little Falls, Minn. Fan. 1,509,601; Sept. 23.
Johnson, John H., Imperial, Calif. Soil pulverizer. 1,509,652; Sept. 23.
Johnson, Joseph M., Rich Hill, Mo. Combined reaper, binder, and shocker. 1,509,432; Sept. 23.
Johnson, Oscar G., assignor to C. A. Dunham Company, Marshalltown, Iowa. Return trap. 1,509,299; Sept. 23.
Johnson, Otto, Portsmouth, N. H. Highway grade-level crossing for railways. 1,509,404; Sept. 23.
Jordan, Harry W. (See Baker, R. E., and Jordan.)
Joseph, Simon. (See Burkett, Ernest L., assignor.)
Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Door-locking device. 1,509,149; Sept. 23.
Judia, George H., assignor of one-fourth to J. B. Mullnix and one-fourth to J. Anderson, Cisco, Tex. Anti-glare headlight for vehicles. 1,509,300; Sept. 23.
Judy, James S., et al. (See Gray, Louis E., assignor.)
Junker, John A., Two Harbors, Minn. Collar fastener and manufacturing the same. 1,509,476; Sept. 23.
Kalischer, Georg, and H. Salkowski, Mainkur, near Frankfort-on-the-Main, Germany. Dichlorinated derivative of the N-dihydro 1, 2, 2', 1'-anthraquinone-azine and a new process for making same. 1,509,808; Sept. 23.
Kanner, Samuel. (See Pollak, Abraham, assignor.)
Kaplan, Victor, Brunn, Czechoslovakia. Runner wheel for turbines, etc. 1,509,653; Sept. 23.
Karr, Glen L., Royal Oak, assignor of one-third to C. L. Butterfield and one-third to J. Sawdon, Grand Ledge, Mich. Primer. 1,509,654; Sept. 23.
Kasser, Morris, San Francisco, Calif. Egg carrier. 1,509,477; Sept. 23.
Kaufman, Ferdinand M., Atlanta, Ga., assignor to Empire Printing and Box Company, Atlanta, Ga. Box. 1,509,809; Sept. 23.
Kausal, Joseph B., Chicago, Ill. Electric lamp. 1,509,211; Sept. 23.
Kawarada, Masatro. (See Yamamoto, T., and Kawarada.)
Kays, Joseph W. (See Howard, E., and Kays.)
Kayte, Frank, Farr, Colo. Scaffold. 1,509,760; Sept. 23.

Kearns, Edward J., Springfield, assignor to New England Tire & Rubber Company, Holyoke, Mass. Non-skid tire. 1,509,301; Sept. 23.
Keightley, Henry S., and G. A. Godfrey, Newcastle-on-Tyne, England. Turntable lifting jack, generally for motor road vehicles and the like. 1,509,212; Sept. 23.
Keir, Duncan, Atlantic City, N. J. Mop. 1,509,751; Sept. 23.
Kempter, Fritz, Stuttgart, Germany. Machine for washing rubber and the like. 1,509,357; Sept. 23.
Kendrick, William D., Miami, Ariz. Air-brake valve. 1,509,816; Sept. 23.
Kennedy, Paul F., Marion, Ohio. Magnetic peel. 1,509,732; Sept. 23.
Kent, Charles E., Los Angeles, Calif. Can opener. 1,509,150; Sept. 23.
Kerite Insulated Wire and Cable Company, The. (See Dann, Alan S., assignor.)
Kerst, Edgar B., Providence, R. I., and H. Bogaty, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Roller cloth carbonizer. 1,509,673; Sept. 23.
Kessinger, A. J. (See Kloepper, Valentine C., assignor.)
Kevlin, Mathew F., Philadelphia, Pa., and J. S. Jacobs, assignors to John T. Slack Corporation, Springfield, Vt. Carbonizing apparatus. 1,509,239; Sept. 23.
Kibele, Otto B., Los Angeles, and J. T. Scott, Sierra Madre Camp, Calif. Band wheel. 1,509,655; Sept. 23.
Kilby Manufacturing Company, The. (See Francis, John H., assignor.)
King, John W., Sayville, assignor to American Car and Foundry Company, New York, N. Y. Tank-car-discharge valve. 1,509,151; Sept. 23.
King, Van Rensselaer C., Radnor, Pa., assignor to King's Concrete Cross Tie Corporation, New York, N. Y. Segmental crosstie and rail holding structure. 1,509,405; Sept. 23.
King's Concrete Cross Tie Corporation. (See King, Van Rensselaer C., assignor.)
Kinser, James B., Tulsa, Okla. Tire-chain fastener. 1,509,358; Sept. 23.
Kitt, Fred T., Seattle, Wash., assignor, by mesne assignments, to American Car and Foundry Company, New York, N. Y. Electrode for rivet heaters. 1,509,152; Sept. 23.
Klimpke, Karl, Braunschweig, Germany. Centrifugal separator for pulpy matter such as ground wood or straw, cellulose, and the like. 1,509,153; Sept. 23.
Kloepper, Valentine C., St. Louis, Mo., assignor of one-half to A. J. Kessinger, Detroit, Mich. Automobile lubrication. 1,509,240; Sept. 23.
Knilans, George A., Fort Atkinson, Wis. Automatic hog feeder. 1,509,433; Sept. 23.
Koehler, Maxemilean E., Washington, D. C., assignor, by mesne assignments, to Gas & Electric Appliance Corporation, Consumer of flue impurities. 1,509,674; Sept. 23.
Koehring Company. (See Holcomb, A. E., and Russell, assignors.)
Kopp, Ottmar H., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,509,434; Sept. 23.
Kotter, Theodore F., Hollis, assignor to Ted Morton Co., Inc., New York, N. Y. Animal doll. Des. 65,654; Sept. 23.
Kotter, Theodore F., Hollis, assignor to Ted Morton Co., Inc., New York, N. Y. Animal doll. Des. 65,655; Sept. 23.
Kotter, Theodore F., Hollis, assignor to Ted Morton Co., Inc., New York, N. Y. Animal doll. Des. 65,656; Sept. 23.
Kotter, Theodore F., Hollis, N. Y. Doll. Des. 65,657; Sept. 23.
Kotter, Theodore F., Hollis, N. Y. Rabbit doll. Des. 65,658; Sept. 23.
Kramer, Julius, assignor to Pullman Davenport & Upholstered Furniture Company, Chicago, Ill. Inner-spring mattress and cushion making. 1,509,241; Sept. 23.
Krantz Realty & Investment Company, The. (See Hostetter, Theodore, assignor.)
Kraus, Charles E., Brooklyn, N. Y. Plastic composition and making the same. 1,509,406; Sept. 23.
Kraus, Charles E., Brooklyn, N. Y. Plastic composition. 1,509,478; Sept. 23.
Kroll, William. (See Julius, A. C., and Valleau, assignors.)
Krum, George J., Old Chatham, N. Y. Seat mounting. 1,509,105; Sept. 23.
Kuno, Shichigoro, Denver, Colo. Cover lifter. 1,509,242; Sept. 23.
Kupfer, Walter S., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Melting-furnace car. 1,509,243; Sept. 23.
Labombarde, Elie W., Nashua, N. H. Folded box and making the same. 1,509,560; Sept. 23.
La Caire, Albert. (See Girouard, J. E., and La Caire.)
Lachman, Laurence S., and E. Fulda, New York, N. Y. Wire reel. 1,509,656; Sept. 23.
Lachman, Maurice, New York, N. Y. Towel rack. 1,509,657; Sept. 23.
Lally, William J. (See Walter, V. E., and Lally.)
Lambert, I. D., et al. (See Grenfell, Vincent, assignor.)
Lambert Tire & Rubber Co. (See Rett, C. E., and Anderson, assignors.)
Lang, William H., assignor of one-half to G. W. Phillips, Chicago, Ill. Automatic skip-bucket loading device. 1,509,154; Sept. 23.
Langford, John H., Imperial, Pa. Ball bat. 1,509,733; Sept. 23.
Langhans, George. (See Duff, L. F., and Langhans.)
Langley, William P., Pittsfield, Mass. Drinking cup. 1,509,734; Sept. 23.
Larssen, Niels A., St. Paul, Minn. Device for making golf tees. 1,509,302; Sept. 23.
Lau, Floyd L., Delhi, Iowa. Garment supporter. 1,509,155; Sept. 23.
Laubersheimer, Richard H., Brooklyn, N. Y. Box. 1,509,735; Sept. 23.
Laurel Motors Corporation. (See Roof, Robert M., assignor.)
Laserson, Frederick M., Brooklyn, N. Y., assignor of one-half to L. M. Stein, Chicago, Ill., and one-half to W. Stevenson, Buffalo, N. Y. Garment-marking machine. 1,509,675; Sept. 23.
Lawrence, Ruben B., Bellevue, assignor to Federal Laboratories, Incorporated, Pittsburgh, Pa. Foot-actuated circuit-controlling device. 1,509,676; Sept. 23.
Lawry, Arthur H., Goldfield, Nev. Recovering metals from cyanide solutions. 1,509,156; Sept. 23.
Lawson, Thomas M., Indianapolis, Ind. Machine for renovating used wool and cotton journal-box waste. 1,509,359; Sept. 23.
Lazette, Clarence, Lake Worth, Fla. Lamp. Des. 65,659; Sept. 23.
Leaño, Prudencio, Manila, P. I. Combination cane. 1,509,157; Sept. 23.
Lees-Bradner Company, The. (See Lees, Ernest J., assignor.)
Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Adjustable bearing. 1,509,677; Sept. 23.
Legault, Xavier, De Losseps, Quebec, Canada. Sled brake. 1,509,761; Sept. 23.
Lewis, David D., Kalamazoo, Mich. Dispensing cup. 1,509,360; Sept. 23.
Lewis, Emory S., Brooklyn, N. Y. Lighting-fixture band. Des. 65,660; Sept. 23.
Lewis, James R., assignor, by mesne assignments, to Inland Accessories Manufacturing Company, Chicago, Ill. Relining device for brake bands and the like. 1,509,658; Sept. 23.
Levare, Andrew A., and A. Martin, Ogdensburg, N. Y. Paper clamp and holder. 1,509,303; Sept. 23.
Liberty Manufacturing Co. (See Fleischer, Jesse S., assignor.)
Liedstrand, Karl E. L., Stockholm, Sweden. Machine for summing up numeral data. 1,509,513; Sept. 23.
Lincoln, Carlisle A., and E. F. Rossman, assignors to The Houdaille Company, Buffalo, N. Y. Spring cover. 1,509,244; Sept. 23.
Line Material Company. (See Arndt, John P., assignor.)
Linstrom, Peter J. (See Mahony, A. L., and Linstrom.)
Lissmann, William. (See Schroeck, W. C., and Lissmann.)
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,509,514; Sept. 23.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,509,515; Sept. 23.
Livermore & Knight Co. (See Sykes, William H., assignor.)
Lockard, Richard A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Draw-bar and bumper. 1,509,106; Sept. 23.
Long, George R. (See Cordley, H. G., and Long.)
Lothamer, Earl W., Canton, Ohio. Electric heater. 1,509,361; Sept. 23.
Love, James, jr., Wilkes-Barre, Pa. Music holder. 1,509,158; Sept. 23.
Lowden, George B., San Francisco, Calif. Child's airplane vehicle. 1,509,361; Sept. 23.
Luchich, Milo V., and L. Osterman, Chicago, Ill. Paving blocks. 1,509,659; Sept. 23.
Lucy, Ernest E., Sydney, New South Wales, Australia. Apparatus for recording the times at which a vehicle passes two given points. 1,509,736; Sept. 23.
Lukins, Fred J., Huntington Park, Calif. Valve for deep-well pump. 1,509,435; Sept. 23.
Lundberg, Frederick, Chicago, Ill. Burial casket. 1,509,159; Sept. 23.
Lussi, Gustave, Philadelphia, Pa. Time-controlled lighting system. 1,509,516; Sept. 23.
MacLellan, Harry G., Angola, Ind. Water gauge for auto radiators. 1,509,304; Sept. 23.
McLeroth, Thomas B., London, England. Mold for the production of air tubes for pneumatic tires. 1,509,440; Sept. 23.
Macgregor, Wallace, Berkeley, Calif. Rotatable pipe joint. 1,509,562; Sept. 23.
MacIndoe, John F., assignor of one-half to L. I. Reichner, Philadelphia, Pa. Heating system. 1,509,810; Sept. 23.
MacLaren, Andrew B., assignor to E. & A. Gunther Co. Ltd., Toronto, Ontario, Canada. Ring box. 1,509,245; Sept. 23.
MacPherson, John F., and W. E. Cottrill, Butler, Pa. Game. 1,509,678; Sept. 23.

MacQuarrie, Archibald E., Minneapolis, Minn. Map holder. 1,509,407; Sept. 23.
Mahon, Owen C., Chattanooga, Tenn. Self-locking wire-reel guard. 1,509,246; Sept. 23.
Mahon, Russell C., Highland Park, Mich. Roof sump. 1,509,305; Sept. 23.
Mahony, Aloysius L., Boston, and P. J. Linstrom, Medford, Mass. Signaling device. 1,509,160; Sept. 23.
Major, Alfred S., assignor to American Bank Note Company, New York, N. Y. Bank note. Des. 65,661; Sept. 23.
Maloney, Thomas W., New Castle, Pa. Sticker puller for tin mills. 1,509,602; Sept. 23.
Manganese Bronze and Brass Company, The. (See Northover, Roland, assignor.)
Manifold Printing Company, The. (See Murray, H. E., and Mayer, assignors.)
Manselli, Joseph, Mount Vernon, N. Y. Aircraft. 1,509,247; Sept. 23.
Mansure, E. L., Company. (See Runge, George C., assignor.)
Marquette Tool & Manufacturing Company. (See Grunwald, A., and Balcker, assignors.)
Marr, Robert G., and G. A. Vedder, Port Richmond, N. Y. Detachable smoke hood. 1,509,517; Sept. 23.
Marshall, John, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High explosive. 1,509,362; Sept. 23.
Martlu, Alphonse. (See Leyare, A. A., and Martin.)
Martin, William J., Cleveland, Ohio. Horseshoe quoit. 1,509,563; Sept. 23.
Martocello, Joseph A., Philadelphia, Pa. Air pipe for ice cans. 1,509,518; Sept. 23.
Martocello, Joseph A., Philadelphia, Pa. Air connection for ice cans. 1,509,519; Sept. 23.
Martocello, Joseph A., Philadelphia, Pa. Air valve and nozzle. 1,509,520; Sept. 23.
Marx, Louis, Brooklyn, N. Y. Top. 1,509,436; Sept. 23.
Mattausch, Edwin F., Rosalia, Wash. Ukulele. Des. 65,662; Sept. 23.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,509,522; Sept. 23.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collecting device. 1,509,521; Sept. 23.
Mattox, Charles C., Rockbridge, Ohio. Rake cleaner. 1,509,679; Sept. 23.
Maurer, Jacob, Konstanz, assignor to Reiniger, Gebbert & Schall Aktiengesellschaft, Erlangen, Bavaria, Germany. Filling hollow bodies, especially the cavities of human teeth, with metallic filling substances. 1,509,461; Sept. 23.
Maxwell, John C., Moody, Ind. Nonburst radiator. 1,509,107; Sept. 23.
Mayer, George A. (See Murray, H. E., and Mayer.)
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Rubber stock and preparing the same. 1,509,363; Sept. 23.
McCann, Robert B. (See Bissell, D. W., and McCann.)
McCleary, Harry C., Washington, D. C. Wheel motor for four-wheel drives. 1,509,737; Sept. 23.
McConway & Torley Company, The. (See Regan, W. J., and George, assignors.)
McCord, Arthur C., assignor to F. D. McCord, Rochester, N. Y. Almond-dipping machine. 1,509,762; Sept. 23.
McCord, Franklin D. (See McCord, Arthur C., assignor.)
McDaniel, James E., assignor of thirty-one per cent to T. W. Waters, seventeen per cent to T. C. Hamby, twenty-two per cent to A. W. Hamby, Columbia, S. C., and five per cent to C. M. Galloway, Washington, D. C. Wear compensator for journal boxes. 1,509,738; Sept. 23.
McIntire, Henry L., Gilroy, Calif. Steam oil-well auger. 1,509,564; Sept. 23.
McFarland, George, Fort Madison, Iowa. Pump. 1,509,169; Sept. 23.
McGill Manufacturing Company. (See Gordon, David D., assignor.)
McKesson, Charles L., Los Angeles, Calif. Garden-rake attachment. 1,509,369; Sept. 23.
McKee, Ralph H., New York, N. Y. Making aluminum chloride. 1,509,605; Sept. 23.
McKeraban, George, Erie, Pa. Air compressor and separator. 1,509,660; Sept. 23.
McKone Tire and Rubber Co., The. (See Reunick, Walter J., assignor.)
McLachlan, Colin D., Glasgow, Scotland. Winch. 1,509,109; Sept. 23.
McLean, George, Texico, N. Mex. Cattle guard. 1,509,739; Sept. 23.
Meek, James H., assignor of one-half to W. D. Smiley, Argos, Ind. Wrench. 1,509,680; Sept. 23.
Meltner, Elemer, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Self-setting transmission system. 1,509,248; Sept. 23.
Melzer, Richard H., assignor to Triplex Garment Presser, Inc., Syracuse, N. Y. Garment-pressing machine. 1,509,162; Sept. 23.
Mendenhall, Walter E., Moab, Utah, assignor to The Union Metals Extraction Company, Lake City, Colo. Ore concentrator. 1,509,681; Sept. 23.
Merserean, Gall, New York, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Process and apparatus for treating gases. 1,509,603; Sept. 23.
Messer, Ernest G. (See Chapman, R. K., and Messer.)
Metals Production Company of North America Incorporated. (See Perkins, Walter G., assignor.)
Metropolitan Trust Company, trustee. (See Benjamin, Dana H., assignor.)
Meyer, Adolph, Newaygo, Mich. Agricultural implement. 1,509,437; Sept. 23.
Meyer & Gross. (See Gross, Edward J., assignor.)
Midgley, Thomas, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and machine for producing cord fabric. 1,509,365; Sept. 23.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Forming tire casings. 1,509,366; Sept. 23.
Meek, Harry S., Needles, Calif. Car brake. 1,509,364; Sept. 23.
Mikolasek, Venceslaus F., Lankin, N. Dak. Headlight. 1,509,682; Sept. 23.
Miles, John C. (See Miles, Lewis C. and J. C.)
Miles, Lewis C. and J. C., Boise, Idaho. Vending machine. 1,509,249; Sept. 23.
Miller, George E., Etna, Pa. Cutting undercut threads. 1,509,438; Sept. 23.
Miller, John J., Chicago, Ill. Drying apparatus. 1,509,367; Sept. 23.
Miller, Leo B., and A. J. Shrum, Chicago, Ill. Axle construction. 1,509,250; Sept. 23.
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting machine. 1,509,408; Sept. 23.
Miller, Ralph M., Oakland, Calif. Driving connecting means. 1,509,683; Sept. 23.
Minge, Elmar, Chicago, Ill. Spark plug. 1,509,163; Sept. 23.
Minutillo, Franck, New York, N. Y. Collapsible horn. 1,509,763; Sept. 23.
Mivelaz, Leo L., Memphis, Tenn. Fingerprint sheet holder. 1,509,164; Sept. 23.
Moline Plow Company. (See Corbin, Henry P., assignor.)
Mompere, Robert J. (See Potter, L., and Mompere.)
Monnot, John F. (See Grafenberg, Leopold, assignor.)
Monosmith Brothers Company, The. (See Monosmith, David J., assignor.)
Monosmith, David J., assignor to The Monosmith Brothers Company, Spencer, Ohio. Vernier. 1,509,523; Sept. 23.
Monroe, Daniel S., Portland, Oreg. Oiling device for road rollers. 1,509,684; Sept. 23.
Montero, Albert A., Springfield, assignor to G. M. Serrano, St. Louis, Mo. Illuminated tool holder. 1,509,165; Sept. 23.
Moore, Edward L., Waterloo, Iowa, assignor to A. H. Warren, jr., St. Paul, Minn. Combination fender brace and bumper. 1,509,764; Sept. 23.
Moore, Robert A., Balmorhea, Tex. Drag implement. 1,509,213; Sept. 23.
Moore, Roscoe, Wilkes-Barre, Pa. Limit device for hoisting machines. 1,509,685; Sept. 23.
Moorman, John H., and W. E. Howe, Denver, Colo. Kerosene-oil livestock dip. 1,509,166; Sept. 23.
Mordaci, Segond. (See Sardou, E., Boulle, Mordael, and Commenge.)
Morlok, William, Philadelphia, Pa. Combination connecter plug and automatic switch. 1,509,439; Sept. 23.
Morris, Joseph P., assignor to Bartons Bias Narrow Fabrics Company, Bridgeport, Conn. Bias trimming. Des. 65,663; Sept. 23.
Morrison, Charles C., New York, N. Y., assignor to Passaic Metal Ware Co., Passaic, N. J. Container. 1,509,524; Sept. 23.
Morse, Robert V., Ithaca, N. Y. Airplane speedometer. 1,509,167; Sept. 23.
Morterud, Einar, Torderod, near Moss, Norway. Lixiviation of materials. 1,509,686; Sept. 23.
Morton, Ted Co. (See Kotter, Theodore F., assignor.)
Muckenhirn, Charles H., Detroit, Mich. Rear lamp lens. Des. 65,664; Sept. 23.
Mullen, John L., Naturita, Colo. Traction lug for motor vehicles. 1,509,168; Sept. 23.
Mullnix, J. B., et al. (See Judia, George H., assignor.)
Multiple Cord Corporation. (See Grabau, Hans E., assignor.)
Mummert, Harvey C., Hollis, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Wing-radiator fastening. 1,509,251; Sept. 23.
Munro, Roy C., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Carline construction. 1,509,108; Sept. 23.
Murphy, John, Hartford City, Ind., assignor to Window Glass Machine Company, Pittsburgh, Pa. Apparatus and method for transferring glass cylinders. 1,509,687; Sept. 23.
Murray, Herbert E., East Cleveland, and G. A. Mayer, Lakewood, assignor to The Manifold Printing Company, Cleveland, Ohio. Method of and apparatus for producing manifold continuous forms. 1,509,525; Sept. 23.
Murray, Patrick J., and M. L. Clark, Carbondale, assignors to Advance Car Specialty Manufacturing Company, Scranton, Pa. Shock controllers. 1,509,306; Sept. 23.

Murray, Thomas E. (See Walter, V. E., and Lally, assignors.)
Murray, Thomas E. (See Holmes, Henry S., assignor.)
Myers, Edward D., Shelby, Mich. Speedometer-drive means. 1,509,368; Sept. 23.
Myers, Lulu A., Bailey, Colo. Doll. 1,509,604; Sept. 23.
Nagase, Sosaku, Chicago, Ill. Game. 1,509,370; Sept. 23.
Nalle, Charles R., Wichita Falls, Tex. Educational appliance. 1,509,371; Sept. 23.
National Aniline & Chemical Company. (See Bissell, D. W., and McCann, assignors.)
National Aniline & Chemical Company. (See Bissell, Don W., assignor.)
National Aniline & Chemical Company. (See Penny, James P., assignor.)
National Carbon Co. (See Borchers, Herbert L., assignor.)
National Carbon Company. (See Hambuechen, Carl, assignor.)
National Carbon Company. (See Heise, George W., assignor.)
National Carbon Company. (See Huntley, Alton K., assignor.)
Needham, William H., assignor to Boston Pressed Metal Company, Worcester, Mass. Ball seat and forming the same. 1,509,372; Sept. 23.
New England Glass Works. (See Petow, Edward L., assignor.)
New England Tire & Rubber Company. (See Kearns, Edward J., assignor.)
New England Trust Company, trustee, The. (See Brink, Carl A., assignor.)
Newman, George W., Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company. Tube and hinge for transfer binders. 1,509,307; Sept. 23.
Newsum, John E., Dacoma, Okla. Calf weaner. 1,509,373; Sept. 23.
Newton, Albert S., Providence, R. I. Waste trap. 1,509,252; Sept. 23.
Nicholas, George K., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,509,606; Sept. 23.
Nicholas Power Company. (See Power, Nicholas, assignor.)
Nicholson, Ernest G., South Ealing, assignor to The Aeolian Company, Limited, London, England. Tracking mechanism for automatic musical instruments. 1,509,765; Sept. 23.
Niess-Wauer, Edwin G., Pittsburgh, Pa. Reel for motion-picture films. 1,509,441; Sept. 23.
Nizer Laboratories Company. (See Replogle, J. R., and Walker, assignors.)
Noble, George C., et al. (See Giffen, Wallace M., assignor.)
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. A bowl or analogous article. Des. 65,665; Sept. 23.
Noe, William R., & Sons. (See Villaret, Gustave E., assignor.)
Nolan, James A., Bowerston, Ohio. Feeder for kick-back pumps. 1,509,374; Sept. 23.
Nolan, James A., Bowerston, Ohio. Automatic lander. 1,509,375; Sept. 23.
Noll, Bert, Sistersville, W. Va. Truck body. 1,509,607; Sept. 23.
Nolting, Philip H., Jersey City, N. J. Watch holder. 1,509,766; Sept. 23.
Northover, Roland, assignor to The Manganese Bronze and Brass Company, Limited, London, England. Nonferrous alloy. 1,509,608; Sept. 23.
Nossek, Frank, Chicago, Ill. Apparatus for compacting concrete or the like. 1,509,170; Sept. 23.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Gas stove. 1,509,526; Sept. 23.
Ogden, John E. L., Liscard, England. Liquid pump and elevator. 1,509,214; Sept. 23.
Ogden, John H., Gravelly, Ark. Walking cultivator. 1,509,171; Sept. 23.
Ogden, Sidney A., Eagle Rock, Calif. Recovering wool or other animal fibers from fabrics. 1,509,172; Sept. 23.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Cultivator Company, The. (See Griffith, Richard H., assignor.)
Olsen, George A. (See Stacy, H. A., and Olsen.)
Osnos, Mendel, assignor to Geschellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Radio transmission system. 1,509,308; Sept. 23.
Osterman, Lawrence. (See Luchich, M. V., and Osterman.)
Oswald, Emil V., Lost Hills, Calif. Fishing tool. 1,509,565; Sept. 23.
O'Toole, Charles A., Brooklyn, N. Y. Automobile indicator. 1,509,767; Sept. 23.
Otto, Henry, Walthamstow, London, England. Ropeway bucket conveyer system. 1,509,479; Sept. 23.
Otto, Henry A. (See Otto, Herman H. and H. A.)
Otto, Herman H. and H. A., Rochester, N. Y. Match scratcher for garment. 1,509,309; Sept. 23.
Overman, Don A., Omaha, Nebr. Toy vehicle. 1,509,768; Sept. 23.
Owen, James W., Secane, Pa., and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Telephonically-operated sound recording and reproducing machine. 1,509,817; Sept. 23.
Owen, James W., Secane, Pa., and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Microphone. 1,509,818; Sept. 23.
Paragon Dishwasher Syndicate Incorporated. (See De Sherbinin, Eric M., assignor.)
Parisot, Louis, New York, N. Y. Perfume container. Des. 65,668; Sept. 23.
Parisot, Louis, New York, N. Y. Perfume container. Des. 65,669; Sept. 23.
Parker, George F., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 65,666; Sept. 23.
Parker, Humphrey F., New York, N. Y. Airship. 1,509,527; Sept. 23.
Pajeau, Charles H., Evanston, Ill. Cane. Des. 65,667; Sept. 23.
Palmenberg, Emil T., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Dress form. 1,509,769; Sept. 23.
Palmenberg's, J. R., Sons, Inc. (See Palmenberg, Emil T., assignor.)
Parker, Leslie M., Evanston, Ill. Game device. 1,509,770; Sept. 23.
Parker, Leslie M., Evanston, Ill. Game device. 1,509,771; Sept. 23.
Parker, Leslie M., Chicago, Ill. Game device. 1,509,772; Sept. 23.
Parker, Leslie M., Chicago, Ill. Game device. 1,509,773; Sept. 23.
Parks, Joseph W., Altoona, Pa. Automobile hat carrier. 1,509,480; Sept. 23.
Parsons, Charles L., Hawkinsville, Ga., and H. P. Bassett, Philadelphia, Pa.; said Bassett assignor to said Parsons. Recovery of arsenic. 1,509,688; Sept. 23.
Passaic Metal Ware Co. (See Morrison, Charles C., assignor.)
Patzke, Emma A., administratrix. (See Patzke, William J.)
Patzke, William J., deceased, Miller, S. Dak.; E. A. Patzke, administratrix. Digging bucket. 1,509,811; Sept. 23.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Rolling colter for disk plows. 1,509,310; Sept. 23.
Penny, James P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Azo dyes. 1,509,442; Sept. 23.
Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
Perkins, Walter G., London, England, assignor, by mesne assignments, to Metals Production Company of North America, Incorporated, New York, N. Y. Treatment of copper ores. 1,509,774; Sept. 23.
Perry, John W., Southport, Conn. Protector for cigarettes. 1,509,311; Sept. 23.
Peters, Arthur E. (See Bayles, L. C., and Peters.)
Peterson, Burt A., assignor, by mesne assignments, to Barber-Coleman Company, Rockford, Ill. Knotter. 1,509,409; Sept. 23.
Peterson, Frank J., Swissvale, Pa. Expanding reamer. 1,509,443; Sept. 23.
Petow, Edward L., Hyannis, Mass., assignor of one-half to New England Glass Works, Providence, R. I. Nonglare structure. 1,509,481; Sept. 23.
Pfiffner, Emil, Budapest, Hungary. High-tension fuse. 1,509,609; Sept. 23.
Phelps, Raymond C., Los Angeles, Calif., Concrete floor form. 1,509,253; Sept. 23.
Phillips, Edward J., Hartford, Conn. Putty knife and point holder. 1,509,775; Sept. 23.
Phillips, Elizabeth M., Washington, D. C. Game board. 1,509,312; Sept. 23.
Phillips, George W. (See Lang, William H., assignor.)
Pilkey, George A. (See Vessot, C. H., Vessot, and Pilkey.)
Pilley, Frank, Kansas City, Mo. Can-handling apparatus. 1,509,254; Sept. 23.
Pithouse, Arthur W., Philadelphia, Pa. Neckwear-attaching device. 1,509,444; Sept. 23.
Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Plains Motors Corporation. (See Holmes, Harleigh R., assignor.)
Plimpton, Howard E., Norwood, Mass. Returnable label. 1,509,776; Sept. 23.
Pokorny, James T., Cedar Bayou, assignor of one-third to A. T. Eddingston, Port Arthur, Jefferson County, Tex. Clay-digging machine. 1,509,173; Sept. 23.
Pokorny, James T., Cedar Bayou, assignor of one-half to A. T. Eddingston, Port Arthur, Tex. Brick-molding machine. 1,509,174; Sept. 23.
Polivka, Joseph, Chicago, Ill. Collapsible furniture. 1,509,482; Sept. 23.
Pollak, Abraham, assignor to S. Kanner, New York, N. Y. Lead pencil. 1,509,255; Sept. 23.
Pollock, Robert T., Brookline, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oils. 1,509,819; Sept. 23.

Popper, Anton, and L. Adelhofer, New York, N. Y. Sewing-machine supporting and driving device. 1,509,483; Sept. 23.

Potter, Leo, New York, N. Y., and R. J. Mompere, Newark, N. J.; said Mompere assignor to said Potter. Ironing machine. 1,509,661; Sept. 23.

Potter, Thomas I., East Orange, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Signal. 1,509,110; Sept. 23.

Potts, Gilbert R., Convent, N. J. Yeast food and making same. 1,509,175; Sept. 23.

Powell, Evan, New York, N. Y. Coupling. 1,509,484; Sept. 23.

Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Moving-picture machine. 1,509,256; Sept. 23.

Power Specialty Company. (See Primrose, John, assignor.)

Powers, Clarence E., Baltimore, Md. Combined throttle and drift valve for locomotives. 1,509,313; Sept. 23.

Powers, John P., Escanaba, Mich., assignor of one-half to T. F. Powers, Chicago, Ill. Inspection door for locomotive front ends. 1,509,314; Sept. 23.

Powers, Thomas F. (See Powers, John P., assignor.)

Pressner, Max, New York, N. Y. Toy traffic tower. Des. 65,670; Sept. 23.

Prest-O-Lite Company, The. (See Benner, R. C., and French, assignors.)

Price, Joseph, assignor to The Griscom Russell Company, New York, N. Y. Air cooler. 1,509,566; Sept. 23.

Primrose, John, assignor to Power Specialty Company, New York, N. Y. Handhole. 1,509,485; Sept. 23.

Primrose, John, assignor to Power Specialty Company, New York, N. Y. Handhole. 1,509,486; Sept. 23.

Proctor & Schwartz, Incorporated. (See Kerst, E. B., and Bogaty, assignors.)

Pullman Davenport & Upholstered Furniture Company. (See Kramer, Julius, assignor.)

Qualls, John F., White Star, Ky. Railway switch. 1,509,777; Sept. 23.

Quick, Claude J., Pulaski, N. Y. Leaf spring. 1,509,176; Sept. 23.

Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 65,671; Sept. 23.

Rail Joint Company, The. (See Disbrow, Clarkson A., assignor.)

Rail Joint Company, The. (See Gallor, Chester F., assignor.)

Rajah Auto Supply Co. (See Berthold, George H. E., assignor.)

Randall, Francis D. (See Randall, Myron R., assignor.)

Randall, Myron R., assignor of one-half to F. D. Randall, Waupaca, Wis. Air gun or rifle. 1,509,257; Sept. 23.

Rasmussen, Johannes, Copenhagen, Denmark. Cycle frame of steel bars. 1,509,177; Sept. 23.

Ratcliff, Hilery M., Blytheville, Ark. Projectile. 1,509,178; Sept. 23.

Raymond, Cadwallader M., deceased, Somerville, by J. S. Thibodeau, administratrix, Fall River, Mass. Crutch. 1,509,778; Sept. 23.

Reach, William F., Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Press for tennis rackets and the like. 1,509,689; Sept. 23.

Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,509,690; Sept. 23.

Reiber, Cora S. (See Dodman, A. C., jr., and Reiber.)

Reichner, L. Irving. (See MacIndoe, John F., assignor.)

Reimers, Theodore M., Oak Park, assignor to Smith, Barnes & Strohber Co., Chicago, Ill. Tracker-bar mechanism. 1,509,315; Sept. 23.

Reimers, Theodore M., Oak Park, assignor to Smith, Barnes & Strohber Company, Chicago, Ill. Tracker-bar mechanism. 1,509,316; Sept. 23.

Reiniger, Gebbert & Schall Aktiengesellschaft. (See Maurer, Jacob, assignor.)

Reiser, John A., Port Jervis, N. Y. Duplex wrench. 1,509,258; Sept. 23.

Rennick, Walter J., assignor to The McKone Tire and Rubber Co., Millersburg, Ohio. Automobile tire. Des. 65,672; Sept. 23.

Replogle, John R., Detroit, Mich., and H. J. Walker, Chicago, Ill.; said Replogle assignor to Nizer Laboratories Company, Detroit, Mich. Refrigerated food and drink dispensing cabinet and method of cooling liquids. 1,509,812; Sept. 23.

Republic Motor Truck Co. (See Haggart, John C., jr., assignor.)

Rett, Carl E., and G. S. Anderson, Akron, assignors to Lambert Tire & Rubber Co., Barberton, Ohio. Method and apparatus for manufacturing cushion tires. 1,509,259; Sept. 23.

Retzer, Albert, Milwaukee, Wis. Egg carton. 1,509,610; Sept. 23.

Rexroat, Charles, Beardstown, Ill. Traction wheel. 1,509,779; Sept. 23.

Reynolds, George A., jr., Binghamton, N. Y. Noiseless window guide. 1,509,179; Sept. 23.

Richards, Carroll H., Newton, Mass. Lubricant feed. 1,509,487; Sept. 23.

Richards, Charles F., assignor of one-half to F. G. Van Dyke, Detroit, Mich. Cap nut. 1,509,528; Sept. 23.

Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Multioffice telephone system. 1,509,691; Sept. 23.

Richmond Lace Works. (See Radford, George, assignor.)

Richter, Charles, New York, N. Y. Chandelier bracket. Des. 65,673; Sept. 23.

Riggle, Thomas M., Oakland, Calif. Automatic speed control for trains. 1,509,317; Sept. 23.

Rikof, Olof N., Broxbourne, England. Sand and like washing and separating machine. 1,509,260; Sept. 23.

Rishel, Allen J., Reading, Pa. Electric handlamps. 1,509,488; Sept. 23.

Roberts, Claudius H. M. (See Borden, W. A., and Roberts.)

Roberts, Patrick C. (See Evans, E. C., and Roberts.)

Robertson, Neill A., Oakfield, Me. Doorcheck. 1,509,780; Sept. 23.

Rochwite, August, Hartford, Wis. Insect swatter. 1,509,489; Sept. 23.

Rodgers, Frank C., St. Louis, Mo. Dental impression tray. 1,509,376; Sept. 23.

Rodgers, Frank C., St. Louis, Mo. Dental impression tray. 1,509,377; Sept. 23.

Rodriguez, Joseph M., Brooklyn, N. Y. Electric motor. 1,509,813; Sept. 23.

Roeske, John H., Normal, Ill. Snowplow. 1,509,261; Sept. 23.

Rogers Silver Plate Co., The. (See Crumley, Le Roy A., assignor.)

Rolls Royce Limited. (See Royce, Frederick H., assignor.)

Roof, Robert M., assignor to Laurel Motors Corporation, Anderson, Ind. Dual overhead cam shaft and oiling system therefor. 1,509,611; Sept. 23.

Rosenfield, Joseph L., Alameda, Calif. Peanut butter and manufacturing same. Re15,918; Sept. 23.

Rosenstock, Leopold, New York, N. Y. Loud speaker. Des. 65,674; Sept. 23.

Rossman, Edwin F. (See Lincoln, C. A., and Rossman.)

Roth, Adolph, New York, N. Y. Combined leash and whip. 1,509,781; Sept. 23.

Rothman, Harry. (See Hassler, A., and Rothman.)

Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Valve mechanism for the cylinders of internal-combustion engines. 1,509,262; Sept. 23.

Ruckriegel, John, assignor to The J. H. Day Company, Cincinnati, Ohio. Knife for ink mills. 1,509,612; Sept. 23.

Ruf, Herman P., New York, N. Y. Shear attachment for flat knitting machines. 1,509,692; Sept. 23.

Ruff, John W., Charleston, S. C. Self-opening parachute. 1,509,410; Sept. 23.

Rumsey, John C., Lawrence, Kans. Headrest for caskets. 1,509,318; Sept. 23.

Runge, George C., assignor to E. L. Mansure Company, Chicago, Ill. Tassel fringe. Des. 65,675; Sept. 23.

Russakov, Jacob I., Chicago, Ill. Hinge construction. 1,509,613; Sept. 23.

Russell, Leslie A. (See Holcomb, A. E., and Russell.)

Ryan, William J., jr. (See Weir, J. W., and Ryan.)

Ryon, Epps H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Center stop motion for looms. 1,509,614; Sept. 23.

Saladino, C., & Sons. (See Saladino, Joseph, assignor.)

Saladino, Joseph, assignor to C. Saladino & Sons, Chelsea, Mass. Machine for polishing gut strings. 1,509,263; Sept. 23.

Saleeby, Roger N., Brooklyn, N. Y. Seam. 1,509,111; Sept. 23.

Salkowski, Heinrich. (See Kalischer, G., and Salkowski.)

Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Feed-water heater. 1,509,782; Sept. 23.

Sandell, Henry K., Chicago, Ill. Amplifier. 1,509,567; Sept. 23.

Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)

Sardou, Etienne, F. Boulle, S. Mordaci, and E. Commenge, Marseille, France. Manufacture of inking surfaces. 1,509,112; Sept. 23.

Saunier, Hippolyte, Paris, France. Valve chamber for gas masks. 1,509,319; Sept. 23.

Sawdon, Jonas, et al. (See Karr, Glen L., assignor.)

Sawyer, Frederick L., Evanston, Ill. Net and supports for ring tennis. 1,509,490; Sept. 23.

Sawyer, Frederick L., Evanston, Ill. Ring for ring tennis. 1,509,491; Sept. 23.

Schaub, Clarence, Indianapolis, Ind. Floor-nailing machine. 1,509,492; Sept. 23.

Schmidt, Gustave E. (See Bradshaw, W. T., and Schmidt.)

Schnitt, John, Portland, Oreg. Cooking utensil. 1,509,264; Sept. 23.

Schneider, Fred M., Blue Island, Ill. Device for use in learning to play musical instruments. 1,509,320; Sept. 23.

Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Dome light. 1,509,783; Sept. 23.

Schoch, Richard, Newark, N. J. Clothesline fastener. 1,509,693; Sept. 23.

Schoedinger, F. O. (See Armstrong, Edward R., assignor.)

Schoedinger, F. O. (See Hames, Harry C., assignor.)

Schreter, Adolf, Baltimore, Md. Necktie. 1,509,784; Sept. 23.

Schroeck, Walter C., and W. Lissmann, Chicago, Ill. Valve lathe. 1,509,378; Sept. 23.

Schwartz, David, Newark, N. J. Plate for stoves. 1,509,445; Sept. 23.

Scott, John T. (See Kibele, O. B., and Scott.)

Scott, Robert C., Port Arthur, Tex. Button and support therefor. 1,509,785; Sept. 23.

Seitz, Ernest O., assignor to C. M. Hall Lamp Company, Detroit, Mich. Headlight attachment. 1,509,529; Sept. 23.

Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Manufacturing Company, Waterville, Conn. Multiple blade knife switch. 1,509,615; Sept. 23.

Serrano, Gaston M. (See Montero, Albert A., assignor.)

Severson, George W., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricating system. 1,509,180; Sept. 23.

Shacikoski, Anthony, Homer City, Pa. Combined trolley wire and guard hanger. 1,509,321; Sept. 23.

Shane, Clare W., assignor of one-half to W. H. Shane, Emmett, Idaho. Handling implement. 1,509,265; Sept. 23.

Shane, William H. (See Shane, Clare W., assignor.)

Shaw, Kenneth R. D. (See Sproule, A. H., and Shaw.)

Sherriff, Edgar J., Bristol, England. Garment fastener and the like. 1,509,531; Sept. 23.

Sherwood, Edna I. (See Sherwood, Howard W., assignor.)

Sherwood, Howard W., Syracuse, assignor to E. I. Sherwood, Auburn, N. Y. Cart. 1,509,181; Sept. 23.

Shirreff, Arthur F., Bridgwater, England. Transport lorry and other vehicle. 1,509,530; Sept. 23.

Shrum, Arthur J. (See Miller, L. B., and Shrum.)

Silver, Charles N., Milwaukee, Wis. Mixer for carburetor outlets. 1,509,694; Sept. 23.

Silverman, Benjamin, assignor of one-half to J. R. Earp, Chattanooga, Tenn. Metal lamp chimney. 1,509,568; Sept. 23.

Simon, Thomas, Mullica Hill, N. J. Potato digger and vine cutter. 1,509,786; Sept. 23.

Sims, Clarence, Lancaster, Ohio. Display device for motor cars. 1,509,379; Sept. 23.

Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)

Sinkey, Henry W., and W. L. Thurber, Shell Rock, Iowa. Pocket for pool tables. 1,509,616; Sept. 23.

Skinner, Bronson C., assignor to Skinner Machinery Company, Dunedin, Fla. Clutch. 1,509,446; Sept. 23.

Skinner, Bronson C., assignor to Skinner Machinery Company, Dunedin, Fla. Polishing machine. 1,509,447; Sept. 23.

Skinner, Charles W., Newfield, N. J. Spraying nozzle. 1,509,448; Sept. 23.

Skinner Machinery Company. (See Skinner, Bronson C., assignor.)

Slack, John T., Corporation. (See Kevlin, M. F., and Jacobs, assignors.)

Slaker, Joseph H., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump car. 1,509,113; Sept. 23.

Slater, Harry, Hawthorne, Calif. Tricycle. 1,509,215; Sept. 23.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,509,493; Sept. 23.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective device. 1,509,494; Sept. 23.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Plate and treating the same. 1,509,495; Sept. 23.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Plate and treating the same. 1,509,496; Sept. 23.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Spark-gap structure. 1,509,497; Sept. 23.

Smiley, William D. (See Meek, James H., assignor.)

Smith, Barnes & Strohber Company. (See Reimers, Theodore M., assignor.)

Smith, Harry O., Los Angeles, Calif. Clipper. 1,509,787; Sept. 23.

Smith, Joseph N., & Company. (See Chamberlin, Clarence P., assignor.)

Soderstrom, Karl A., Philadelphia, Pa. Cutting bars from centrifugal castings. 1,509,617; Sept. 23.

Sorensen, Charles W. N., Hamilton, New Zealand. Shock absorber and stabilizer for motor vehicles. 1,509,618; Sept. 23.

Spalding, A. G., & Bros. (See Reach, William F., assignor.)

Spearman, Charles, Westmont, Quebec, Canada. Ore separation. 1,509,266; Sept. 23.

Spencer, Daniel C., St. Maries, Idaho. Saw gauge. 1,509,182; Sept. 23.

Sperry, Elmer A., Brooklyn, N. Y. Aeroplane gun. 1,509,267; Sept. 23.

Sperry Gyroscope Company, The. (See Meltner, Elemer, assignor.)

Spiegel May Stern Company. (See Anderson, R. C., and Gollnick, assignors.)

Spikings, Albert R., Lake Placid, N. Y. Faucet. 1,509,268; Sept. 23.

Sproule, Albert H., and K. R. D. Shaw, London, England. Fluid pump. 1,509,788; Sept. 23.

Stacy, Hobert A., and G. A. Olsen, assignors to Success Calendar Stand Company, Chicago, Ill. Calendar stand or support. 1,509,269; Sept. 23.

Standard Parts Company, The. (See Jobski, Otto H., assignor.)

Standard Steel Propeller Company. (See Dicks, Thomas A., assignor.)

Stanton, Charles H., Chicago, Ill., and E. C. Dessem, Worthington, Minn. Sawing machine. 1,509,789; Sept. 23.

Starr, Charles E., Oakland, Calif., assignor to Perfecto Gear Differential Co., Seattle, Wash. Transmission mechanism. 1,509,498; Sept. 23.

Stein, Lawrence M., et al. (See Laserson, Frederick M., assignor.)

Steinberg, Morris, Detroit, Mich. Lamp pedestal. Des. 65,676; Sept. 23.

Stephensen, John M., Brooklyn, N. Y. Making electrodes. 1,509,790; Sept. 23.

Stephenson, Leigh J., assignor to B. V. Becker, L. J. Stephenson, G. B. Burrage, W. T. Fenton, and L. A. Williams, trustee, Chicago, Ill. Control system for electric motors. 1,509,114; Sept. 23.

Stephenson, Leigh J., et al., trustees. (See Stephenson, Leigh J., assignor.)

Stern, William, Seattle, Wash. Charm. Des. 65,677; Sept. 23.

Stevens, Josiah P., Atlanta, Ga. Indicator for use in card games. 1,509,791; Sept. 23.

Stevens, Le Roy W., Chicago, Ill. Building-block construction. 1,509,322; Sept. 23.

Stevenson, Wade, et al. (See Laserson, Frederick M., assignor.)

Stewart, Oliver E., Brooklyn, N. Y. Auto brake. 1,509,532; Sept. 23.

Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)

Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Weft-replenishing mechanism for looms. 1,509,449; Sept. 23.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Wheel plow. 1,509,115; Sept. 23.

Stroud, William. (See Barr, A., and Stroud.)

Studinka, Karl, Donora, Pa. Tool holder. 1,509,792; Sept. 23.

Success Calendar Stand Company. (See Stacy, H. A., and Olsen, assignors.)

Suhn, Rudolph P. (See Duke, Earl H., assignor.)

Swanson, Charles V., Velva, N. Dak. Window-ventilating device. 1,509,569; Sept. 23.

Sweeney, Edward J., Council Bluffs, Iowa. Automobile screen. 1,509,450; Sept. 23.

Swindell, David L., Okmulgee, Okla. Glass-drawing apparatus. 1,509,183; Sept. 23.

Sykes, William H., Edgewood, assignor to Livermore & Knight Co., Providence, R. I. Swivel connecter for key chains. 1,509,570; Sept. 23.

Taggart, James D., Drumright, Okla. Miniature-baseball game-board apparatus. 1,509,270; Sept. 23.

Talalaj, Josef, Berlin, Germany. Vulcanizing kettle. 1,509,380; Sept. 23.

Talbert, Lee R., Los Angeles, Calif. Combination sash lift and lock. 1,509,619; Sept. 23.

Tamplin, Fred D., Chicago, Ill. Measuring instrument. 1,509,451; Sept. 23.

Taras, Paul, Leonia, N. J. Container. 1,509,452; Sept. 23.

Taylor, Homer L., Bridgeport, Conn. Windshield cleaner. 1,509,620; Sept. 23.

Taylor, James W., San Antonio, Tex. Pumping apparatus for oil wells. 1,509,323; Sept. 23.

Ternstedt Manufacturing Co. (See Schnell, William, assignor.)

Tessier, Julien, assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 65,678; Sept. 23.

Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Seasoning wood. 1,509,533; Sept. 23.

Thibodeau, Julia S., administratrix. (See Raymond, Cadwallader M.)

Thomas Elevator Company. (See Hanna, Ellsworth J., assignor.)

Thomas, James R., and J. L. Floyd, Kenton, Tenn. Insect destroyer. 1,509,116; Sept. 23.

Thompson, Arthur W. and H. W., Irondequoit, N. Y. Celery-cutting machine. 1,509,499; Sept. 23.

Thompson, Homer W. (See Thompson, Arthur W. and H. W.)

Thompson, Nelson W., et al. (See Giffen, Wallace M., assignor.)

Thompson, Ralph S., New York, N. Y. Exercising apparatus for the feet. 1,509,793; Sept. 23.

Thompson, Robert, London, England. Building wall. 1,509,794; Sept. 23.

Thompson, William H., Peoria, Ill. Piston for combustion engines. 1,509,117; Sept. 23.

Thurber, William L. (See Sinkey, H. W., and Thurber.)

Timbs, Edward, and W. S. Gran, Los Angeles, assignors to Union Tool Company, Torrance, Calif. Casing elevator. 1,509,571; Sept. 23.

Tiner, John E. (See Tiner, John F., assignor.)

Tiner, John F., assignor of one-half to J. E. Tiner, San Antonio, Tex. Roofing. 1,509,795; Sept. 23.

Tinker, Herbert W. (See Hansen, F. D., and Tinker.)
Tire Products Manufacturing Company, The. (See Welton, Park E., assignor.)
Tobey, Fred W., Grand Rapids, Mich. Fishline reel. 1,509,324; Sept. 23.
Tobias, Walter M., administrator. (See Warsing, Charles A.)
Todd, Guerin, assignor to The Hanson & Van Winkle Company, Millburn, N. J. Electroplating machine. 1,509,534; Sept. 23.
Tokuhisa, Tokusaburo, Los Angeles, Calif. Cover for gasoline tanks. 1,509,796; Sept. 23.
Tompkins, Charles E., Tipton, Ind. Paper and fabric roller. 1,509,621; Sept. 23.
Torjesen, Herman, Brooklyn, N. Y. Partition. 1,509,118; Sept. 23.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle Manufacturing Company. (See Parker, George F., assignor.)
Towner, Walter L., Muskogee, Okla. Road machinery. 1,509,797; Sept. 23.
Townsend, George G., Frostburg, Md. Cleaning device. 1,509,381; Sept. 23.
Traut, Ezra H. (See Bates, L. W., and Traut.)
Trent Process Corporation. (See Trent, Walter E., assignor.)
Trent, Walter E., assignor, by mesne assignments, to Trent Process Corporation, Washington, D. C. Power plant. 1,509,622; Sept. 23.
Triplex Garment Presser, Inc. (See Melzer, Richard H., assignor.)
Trotter, Benjamin I. (See Bailey, Benjamin F., jr., assignor.)
Truax, William T., assignor to United States Register Company, Battle Creek, Mich. Warm-air register. 1,509,572; Sept. 23.
Trudel, Francois X. O., Montreal, Quebec, Canada. Homogenizer for liquids. 1,509,453; Sept. 23.
Tullus, Andrew C., and F. Valleau, Elk, assignors of one-third to W. Kroll, Spokane, Wash. Fruit-grading machine. 1,509,216; Sept. 23.
U. S. Industrial Alcohol Co. (See Backhaus, Arthur A., assignor.)
Unger, William, Wooster, Ohio. Constructing brushes. 1,509,271; Sept. 23.
Union Special Machine Company. (See Hughes, Robert R., jr., assignor.)
Union Metals Extraction Company, The. (See Mendenhall, Walter E., assignor.)
Union Tool Company. (See Timbs, E., and Grau, assignors.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United States Playing Card Company, The. (See Fournier, Oscar, assignor.)
United States Register Company. (See Truax, William T., assignor.)
Universal Oil Products Company. (See Pollock, Robert T., assignor.)
Unser, John, Carthage, N. Y. Collapsible lunch box. 1,509,454; Sept. 23.
Valenta, Joseph, Taft, Calif. Dough-forming machine. 1,509,455; Sept. 23.
Valleau, Floyd. (See Tullus, A. C., and Valleau.)
Vance, Arthur A., and G. H. Westover, Richmond, Calif. Container. 1,509,798; Sept. 23.
Van Dyke, Frank G. (See Richards, Charles F., assignor.)
Vangen, Anton, Vestmarken, Norway. Self-indicating target. 1,509,217; Sept. 23.
Van Heusen, John M., Boston, Mass. Garter. 1,509,500; Sept. 23.
Van Hüllen, Josef, Crefeld, Germany. Hydraulic molding press. 1,509,456; Sept. 23.
Van Voorhies-Phinney Co., The. (See Henry, Philip J., assignor.)
Vastine, William M. (See Cole, Melville R., assignor.)
Vastine, William M., et al. (See Grosvenor, John A., assignor.)
Vecchio, Luigi, assignor to Electrical Inventions & Development Company, Schenectady, N. Y. Fuse plug. 1,509,272; Sept. 23.
Vedder, George A. (See Marr, R. G., and Vedder.)
Veerkamp, James P., et al. (See Grosvenor, John A., assignor.)
Vessot, Charles H. and C. U., Ottawa, and G. A. Pilkey, Corona, Ontario, Canada. Flax-harvesting machine. 1,509,799; Sept. 23.
Vessot, Charles U. (See Vessot, C. H., Vessot, and Pilkey.)
Vesta Battery Corporation. (See Caldbeck, Wendell H., assignor.)
Victor Talking Machine Company. (See Owen, J. W., and Hewitt, assignors.)
Villane, Ralph. (See Hallock, G. R., and Villane.)
Villaret, Gustave E., assignor to William R. Noe & Sons, New York, N. Y. Lamp base or similar article. Des. 65,679; Sept. 23.
Viturro, Marcelino. (See Anselmi, C., and Viturro.)
Vogel, Reinhold, Wilton, Conn. Lift. 1,509,800; Sept. 23.
Volet, Edouard, assignor of one-half to Ateliers des Charmilles, Société Anonyme, Geneva, Switzerland. Apparatus for governing prime movers. 1,509,695; Sept. 23.
Von Ehrenthal, Bruno P., Cothen, Anhalt, Germany. Obtaining easily-bleached cellulose fibers. 1,509,273; Sept. 23.
Vos, Calvin, et al. (See Holden, Thomas F., assignor.)
Voyt, Rudolph J., Cicero, Ill. Antirattler. 1,509,623; Sept. 23.
Wagenhorst, James H., Jackson, Mich. Automobile wheel rim. 1,509,382; Sept. 23.
Wahlin, Axel W., and C. B. Erickson, Chicago, Ill. Shock absorber. 1,509,274; Sept. 23.
Walker, Harry J. (See Replogle, J. R., and Walker.)
Wallace, George W., East St. Louis, Ill., assignor, by mesne assignments, to Economic Carbonization Company. Vertical retort. 1,509,275; Sept. 23.
Walsh, James V., Knoxville, Pa. Container. 1,509,218; Sept. 23.
Walter, Harrison B., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Box. 1,509,383; Sept. 23.
Walter, Richard, Dusseldorf, Germany. Alloy. 1,509,624; Sept. 23.
Walter, Valentine E., Brooklyn, N. Y., and W. J. Lally, Meriden, Conn., assignors to T. E. Murray, Brooklyn, N. Y. Welding. 1,509,384; Sept. 23.
Walters, Delonia B., Ballengee, W. Va. Sport glove. 1,509,801; Sept. 23.
Warfel, Howard A., Yorktown, Ind. Mixing apparatus. 1,509,276; Sept. 23.
Warner Elevator Manufacturing Company, The. (See Brown, Alfred T., assignor.)
Warren, Alvah H., jr. (See Moore, Edward L., assignor.)
Warsing, Charles A., deceased, Cleveland, Ohio; W. M. Tobias, administrator. Curtain pole. 1,509,740; Sept. 23.
Waters, George H., Glenfield, N. Y. Tire chain. 1,509,573; Sept. 23.
Waters, T. W., et al. (See McDaniel, James E., assignor.)
Way, Edward J., assignor to Bioscope Improvements Limited, Johannesburg, Transvaal Province, South Africa. Apparatus for manipulating cinematograph films. 1,509,741; Sept. 23.
Weaver, Robert D., et al. (See Holden, Thomas F., assignor.)
Webber, Arthur H., Boston, Mass. Vaporizer. 1,509,742; Sept. 23.
Wegner, Edward F., Council Bluffs, Iowa. Automatic control for aeroplanes and dirigible balloons. 1,509,743; Sept. 23.
Weigaud, Joseph F., Evansville, Ind. Hose coupling. 1,509,802; Sept. 23.
Weir, James W., and W. J. Ryan, jr., Fillmore, Calif. Lowering the cold test of lubricating oils. 1,509,325; Sept. 23.
Weir, James W., Fillmore, Calif. Treating petroleum oil. 1,509,326; Sept. 23.
Welton, Park E., Cuyahoga Falls, Ohio, assignor to The Tire Products Manufacturing Company, Salisbury, N. C. Tire tread. Des. 65,680; Sept. 23.
Werra, Conrad, Waukesha, Wis. Nonferrous melting furnace. 1,509,277; Sept. 23.
Wertz, Austin L., Dubuque, Iowa. Apparatus for dispensing fluids. 1,509,535; Sept. 23.
Western Electric Company. (See Kopp, Ottmar H., assignor.)
Western Wheeled Scraper Company. (See Slaker, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westover, Gerald H. (See Vance, A. A., and Westover.)
Whatley, Marshall A., Redwood, Miss. Emergency drum. 1,509,385; Sept. 23.
Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum-feed fuel-reserve device. 1,509,696; Sept. 23.
Wickham, Frank L., Lennon, Mich. Mason's tool. 1,509,457; Sept. 23.
Williams, Lynn A., et al., trustees. (See Stephenson, Leigh J., assignor.)
Williams, Ramon O., Brooklyn, N. Y. Hair curler. 1,509,536; Sept. 23.
Williams, Ruben H., Flint, Mich. Die-casting machine. 1,509,458; Sept. 23.
Williamson, Duncan E., Seguin, Tex. Prescription file. 1,509,459; Sept. 23.
Willoughby, Victor R., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-discharge-valve mechanism. 1,509,119; Sept. 23.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Cam sheave and support for brakes. 1,509,120; Sept. 23.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Multiple-unit tank car. 1,509,121; Sept. 23.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car & Foundry Company, New York, N. Y. Cam-brake sheave and support. 1,509,122; Sept. 23.
Wilson-Jones Loose Leaf Company. (See Newman, George W., assignor.)
Wilson, Robert A., assignor to Guiberson Corporation, Dallas, Tex. Pressure-relief valve. 1,509,386; Sept. 23.

Wilson, Rose E., Long Beach, Calif. Lamp shade. 1,509,744; Sept. 23.
Wilson, Stephen G., Philadelphia, Pa. Broom-tensioning device. 1,509,625; Sept. 23.
Winchester, John F., Baltimore, Md. Apparatus for and method of cleansing units of motor vehicles. 1,509,327; Sept. 23.
Window Glass Machine Company. (See Murphy, John, assignor.)
Witt, John J., Winchendon, Mass., assignor to Goodspeed Machine Company. Shaper-driving mechanism. 1,509,387; Sept. 23.
Woerther, Frederick, Salem, Ohio. Automatic bung for barrels. 1,509,537; Sept. 23.
Wolfe, William E., Recluse, Wyo. Kicking boot. 1,509,574; Sept. 23.
Woodberry, John H., Washington, D. C. Fuse for projectiles. 1,509,328; Sept. 23.
Woodberry, John H., Washington, D. C. Fuse. 1,509,329; Sept. 23.
Worcester, Albert, Los Angeles, Calif. Clutch. 1,509,626; Sept. 23.
Worth, Jacques, Paris, France. Powder box. Des. 65,681; Sept. 23.
Wyatt, Edyth P., Denver, Colo. Curtain fixture. 1,509,330; Sept. 23.
Yale & Towne Manufacturing Company. (See Benke, Otto H., assignor.)
Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
Yamamoto, Tadaoki, and M. Kawarada, Tokyo, Japan. Induction synchronous motor. 1,509,331; Sept. 23.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Globe holder for illuminating fixtures. 1,509,745; Sept. 23.
Young, Charles O., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Producing oxalic acid. 1,509,575; Sept. 23.
Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
Zaugg, Rudolf. (See Bossard, G. L., and Zaugg.)
Zeidler, George A., Cleveland, Ohio. Mirror support. 1,509,746; Sept. 23.
Zeller, John L., Los Angeles, Calif. Window-shade adjuster. 1,509,460; Sept. 23.
Zobel, Otto J., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Multiple-band wave filter. 1,509,184; Sept. 23.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (In accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid, Producing oxalic. C. O. Young. 1,509,575; Sept. 23.
Addressing machines, Selector mechanism for. R. C. Anderson and P. A. Gollnick. 1,509,091; Sept. 23.
Aeroplane Gun. E. A. Sperry. 1,509,267; Sept. 23.
Aeroplanes and dirigible balloons, Automatic control for. E. F. Wegner. 1,509,743; Sept. 23.
Agricultural implement. A. Meyer. 1,509,437; Sept. 23.
Air compressor and separator. G. McKeraham. 1,509,660; Sept. 23.
Air compressor, Hydraulic. M. Balcker. 1,509,694; Sept. 23.
Air cooler. J. Price. 1,509,566; Sept. 23.
Aircraft. J. Mausselli. 1,509,247; Sept. 23.
Airplane speedometer. R. V. Morse. 1,509,167; Sept. 23.
Airplane vehicle, Child's. G. B. Lowden. 1,509,361; Sept. 23.
Airship. H. F. Parker. 1,509,527; Sept. 23.
Alloy. R. Walter. 1,509,624; Sept. 23.
Alloy, Making a lead-alkali-metal. W. S. Calcott. 1,509,227; Sept. 23.
Alloy, Nonferrous. R. Northover. 1,509,608; Sept. 23.
Almond-dipping machine. A. C. McCord. 1,509,762; Sept. 23.
Alternators, Apparatus for exciting. A. Blondel. 1,509,501; Sept. 23.
Aluminum chloride, Making. R. H. McKee. 1,509,605; Sept. 23.
Amplifier. H. K. Sandell. 1,509,567; Sept. 23.
Amulet or similar article. J. G. Belcher. Des. 65,629; Sept. 23.
Amusement device. H. Campbell. 1,509,750; Sept. 23.
Amusement structure. W. H. Forsythe. 1,509,232; Sept. 23.
Amylaceous substances and lower nitrogenous matter for food purposes by the use of tubers or cereals in whole or broken grains, Simultaneous production of demineralized. A. Boldin and J. Effront. 1,509,467; Sept. 23.
Antirattler. R. J. Voyt. 1,509,623; Sept. 23.
Arsenic recovery. C. L. Parsons and H. P. Bassett. 1,509,688; Sept. 23.
Auger, Steam oil-well. H. L. McDuffee. 1,509,564; Sept. 23.
Auto brake. O. E. Stewart. 1,509,532; Sept. 23.
Auto radiators, Water gauge for. H. G. MacLellan. 1,509,304; Sept. 23.
Automobile door lock. C. P. Chamberlin. 1,509,283; Sept. 23.
Automobile draft-preventing device. W. B. Harris. 1,509,237; Sept. 23.
Automobile hat carrier. J. W. Parks. 1,509,480; Sept. 23.
Automobile indicator. C. A. O'Toole. 1,509,767; Sept. 23.
Automobile lubrication. V. C. Kloepper. 1,509,240; Sept. 23.
Automobile screen. E. J. Sweeney. 1,509,450; Sept. 23.
Automobile spring bumper. W. G. Cox. 1,509,395; Sept. 23.
Automobile theft detector. J. G. Giuliani. 1,509,235; Sept. 23.
Automobiles, Sliding curtains for. J. E. Donnell and F. L. Glover. 1,509,231; Sept. 23.
Axle construction. L. B. Miller and A. J. Shrum. 1,509,250; Sept. 23.
Ball seat and forming the same. W. H. Needham. 1,509,572; Sept. 23.
Band wheel. O. B. Kluele and J. T. Scott. 1,509,655; Sept. 23.
Bank note. A. S. Major. Des. 65,661; Sept. 23.
Bars from centrifugal castings, Cutting. K. A. Soderstrom. 1,509,617; Sept. 23.
Bat, Ball. J. H. Langford. 1,509,733; Sept. 23.
Bathing, Combined float and paddle for use while. A. Gibson. 1,509,551; Sept. 23.
Battery: *See*—
  Dry battery. Electric battery.
Bearing, Adjustable. E. J. Lees. 1,509,677; Sept. 23.
Beds, Door for in-a-closet. R. J. Ellsworth. 1,509,128; Sept. 23.
Bedstead end panel. A. Governale. Des. 65,644-6; Sept. 23.
Beet-loading machine. E. C. Evans and P. C. Roberts. 1,509,129; Sept. 23.
Belt-shifting device, Dead-. C. E. Garner. 1,509,423; Sept. 23.
Bias trimming. J. P. Morris. Des. 65,663; Sept. 23.

Billiard table pockets, Hood for. F. J. Harmet. 1,509,144; Sept. 23.
Binder cutter. J. Fuente. 1,509,135; Sept. 23.
Binder, Loose-leaf. J. C. Dawson. 1,509,815; Sept. 23.
Binders, Tube and hinge for transfer. G. W. Newman. 1,509,307; Sept. 23.
Block: *See*—
  Building block.
Board: *See*—
  Game board.
Boldins and the like, Machine for placing rings on. W. T. Jackman. 1,509,600; Sept. 23.
Boiler compound. C. E. Gurr. 1,509,352; Sept. 23.
Bomb, Stabilizer or fin assembly of a. W. A. Borden. 1,509,336; Sept. 23.
Bombs, Safety device for. W. A. Borden and C. H. M. Roberts. 1,509,337; Sept. 23.
Boot, Kicking. W. E. Wolfe. 1,509,574; Sept. 23.
Bottle-capping machine. C. L. Beardsley. 1,509,388; Sept. 23.
Bottle, Dispensing. A. Alexander. 1,509,219; Sept. 23.
Bowl or analogous article. H. E. Nock. Des. 65,665; Sept. 23.
Box: *See*—
  Lunch box. Ring box.
  Outlet box. Shipping box.
Box. F. M. Kaufman. 1,509,809; Sept. 23.
Box. R. H. Laubersheimer. 1,509,735; Sept. 23.
Box. H. B. Walter. 1,509,383; Sept. 23.
Box and making the same, Folded. E. W. Labombarde. 1,509,560; Sept. 23.
Brace: *See*—
  Fender brace.
Bracket: *See*—
  Curtain-rod bracket.
Brake: *See*—
  Auto brake. Sled brake.
  Car brake.
Brake bands, Relining device for. J. R. Lewis. 1,509,658; Sept. 23.
Brake beam support and guide. E. G. Busse. 1,509,282; Sept. 23.
Brake drum. F. D. Hansen and H. W. Tinker. 1,509,292; Sept. 23.
Brake sheave and support, Cam-. V. Willoughby. 1,509,122; Sept. 23.
Brakes, Cam sheave and support for. V. Willoughby. 1,509,120; Sept. 23.
Brakes, Controlling solenoid. B. C. Jacob. 1,509,210; Sept. 23.
Brakes, Slack adjuster for vehicle. A. B. Brohuska. 1,509,225; Sept. 23.
Breast pump. E. D. Brown. 1,509,226; Sept. 23.
Brick-molding machine. J. T. Pokorny. 1,509,174; Sept. 23.
Broom holder. E. L. Fenstermaker. 1,509,722; Sept. 23.
Broom-tensioning device. S. G. Wilson. 1,509,625; Sept. 23.
Brush head. J. E. Caldwell. 1,509,417; Sept. 23.
Brushes, Constructing. W. Unger. 1,509,271; Sept. 23.
Bucket, Digging. W. J. Patzke. 1,509,811; Sept. 23.
Bucket, Grab. W. C. Bolgiano. 1,509,187; Sept. 23.
Bucket-loading device, Automatic skip-. W. H. Lang. 1,509,154; Sept. 23.
Building block. W. Briddes. 1,509,415; Sept. 23.
Building-block construction. L. W. Stevens. 1,509,322; Sept. 23.
Building wall. R. Thomson. 1,509,794; Sept. 23.
Bung for barrels, Automatic. F. Woerther. 1,509,537; Sept. 23.
Burner: *See*—
  Fluid-fuel burner. Oil burner.
  Liquid and solid fuel burner. Weed burner.
Burners, Shutter attachment for wick-fed. D. M. Holbrook. 1,509,206; Sept. 23.
Button and support therefor. R. C. Scott. 1,509,785; Sept. 23.
Cabinet. E. M. de Sherbinin. 1,509,127; Sept. 23.
Cabinet and method of cooling liquids, Refrigerated food and drink dispensing. J. R. Replogle and H. J. Walker. 1,509,812; Sept. 23.
Cabinet, Secret. M. Colbow, jr. 1,509,285; Sept. 23.
Cabinets or the like, Automatic locking table top for kitchen. J. P. Hameetman. 1,509,649; Sept. 23.
Calendar stand or support. H. A. Stacy and G. A. Olsen. 1,509,269; Sept. 23.

Camera casing. J. Tessler. Des. 65,678; Sept. 23.
Cameras, Roll attachment for. I. J. Feltenstein. 1,509,399; Sept. 23.
Cam shaft and oiling system therefor, Dual overhead. R. M. Roof. 1,509,611; Sept. 23.
Can: *See*—
  Dispensing can.
Can-handling apparatus. E. Pilley. 1,509,254; Sept. 23.
Can-measuring device. E. E. France. 1,509,349; Sept. 23.
Can opener. C. E. Kent. 1,509,150; Sept. 23.
Cane. C. H. Pajeau. Des. 65,667; Sept. 23.
Cane, Combination. P. Leaño. 1,509,157; Sept. 23.
Cans, Air connection for ice. J. A. Martocello. 1,509,519; Sept. 23.
Cans, Air pipe for ice. J. A. Martocello. 1,509,518; Sept. 23.
Cap and rod wrench, Combined. C. H. Folmsbee. 1,509,132; Sept. 23.
Car brake. H. S. Meek. 1,509,364; Sept. 23.
Car, Dump. J. H. Slaker. 1,509,113; Sept. 23.
Car, Melting-furnace. W. S. Kupfer. 1,509,243; Sept. 23.
Car, Multiple-unit tank. V. Willoughby. 1,509,121; Sept. 23.
Car unloader. F. O. Heltzel. 1,509,597; Sept. 23.
Cars, Display device for motor. C. Sims. 1,509,379; Sept. 23.
Cars, Grain door for box. J. C. Folger. 1,509,199; Sept. 23.
Cars, Side stake for flat. J. E. Cannan. 1,509,708; Sept. 23.
Carbonaceous material, Method and apparatus for distillation of. R. M. Cutlin. 1,509,667; Sept. 23.
Carbonizer, Roller cloth. E. B. Kerst and H. Bogaty. 1,509,673; Sept. 23.
Carbonizing apparatus. M. F. Kevlin and J. S. Jacobs. 1,509,239; Sept. 23.
Carboy. H. H. Garis. 1,509,422; Sept. 23.
Carburetor outlets, Mixer for. C. Silver. 1,509,691; Sept. 23.
Card-game indicator. J. P. Stevens. 1,509,791; Sept. 22.
Card-system filing device. W. G. Conover. 1,509,640; Sept. 23.
Carline construction. R. C. Munro. 1,509,108; Sept. 23
Carrier: *See*—
  Automobile hat carrier. Reel carrier.
  Egg carrier. Tire carrier.
  Log carrier.
Cart. H. W. Sherwood. 1,509,181; Sept. 23.
Case: *See*—
  Egg case.
Casing elevator. E. Timbs and W. S. Grau. 1,509,571; Sept. 23.
Casket, Burial. F. Lundberg. 1,509,159; Sept. 23.
Casket headrest. J. C. Rumsey. 1,509,318; Sept. 23.
Cattle guard. G. McLean. 1,509,739; Sept. 23.
Celery-cutting machine. A. W. and H. W. Thompson. 1,509,499; Sept. 23.
Cell, electrode therefor, and making the same, Storage. R. C. Benner and H. F. French. 1,509,186; Sept. 23.
Cellulose fibers, Obtaining easily-bleached. B. P. von Ehrenthal. 1,509,273; Sept. 23.
Chair: *See*—
  Child's chair. Dental chair.
Chandelier bracket. C. Richter. Des. 65,673; Sept. 23.
Charm. W. Stern. Des. 65,677; Sept. 23.
Check, needle, and safety valve, Combined. A. Grunwald and M. Balcker. 1,509,508; Sept. 23.
Cherry pitter. P. D. Cook. 1,509,190; Sept. 23.
Child's chair. R. L. Bent. 1,509,580; Sept. 23.
Chuck. E. J. Hanna. 1,509,510; Sept. 23.
Cigarette protector. J. W. Perry. 1,509,311; Sept. 23.
Cinematograph films, Apparatus for manipulating. E. J. Way. 1,509,741; Sept. 23.
Cinematographic apparatus, Intermittent driving means in. C. Anselmi and M. Viturro. 1,509,092; Sept. 22.
Circuit-controlling device, Foot-actuated. R. B. Lawrence. 1,509,676; Sept. 23.
Cleaner: *See*—
  Rake cleaner. Windshield cleaner.
Cleaning device. G. G. Townsend. 1,509,381; Sept. 23.
Clipper. H. O. Smith. 1,509,787; Sept. 23.
Closure-retaining device. J. H. Francis. 1,509,421; Sept. 23.
Clothes wringer. H. J. Criner. 1,509,588; Sept. 23.
Clothesline fastener. R. Schoch. 1,509,693; Sept. 23.
Clutch. B. C. Skinner. 1,509,440; Sept. 23.
Clutch. A. Worcester. 1,509,626; Sept. 23.
Clutch and speed controlling device. C. A. Brink. 1,509,469; Sept. 23.
Clutch, Friction. C. Hoerl. 1,509,511; Sept. 23.
Clutch-operating mechanism. W. D. J. Baxendale. 1,509,221; Sept. 23.
Coal heater. L. Dana. Des. 65,638; Sept. 23.
Cock, Lockable gas. A. Gallo. 1,509,550; Sept. 23.
Collapsible tube. S. B. Colgate and M. H. Ittner. 1,509,419; Sept. 23.
Collapsible tube. M. H. Ittner. 1,509,431; Sept. 23.
Collar fastener and manufacturing the same. J. A. Jumer. 1,509,476; Sept. 23.
Collarets, Machine for forming and stitching tapered. R. R. Hughes, jr. 1,509,148; Sept. 23.
Compressor installation. B. Graemiger. 1,509,351; Sept. 23.
Compressors and the like, Power jack for. W. L. Dayton. 1,509,641; Sept. 23.
Concrete floor form. R. C. Phelps. 1,509,253; Sept. 23.
Concrete or the like, Apparatus for compacting. F. Nossek. 1,509,170; Sept. 23.
Confections and the like, Device for treating chocolate. J. E. Davis. 1,509,591; Sept. 23.
Container. J. P. Flick. 1,509,642; Sept. 23.
Container. C. C. Morrison. 1,509,524; Sept. 23.
Container. P. Taras. 1,509,452; Sept. 23.
Container. A. A. Vance and G. H. Westover. 1,509,798; Sept. 23.
Container. J. V. Walsh. 1,509,218; Sept. 23.
Container, Ventilated. A. Freeland. 1,509,549; Sept. 23.
Conveyer system, Ropeway bucket. H. Otto. 1,509,479; Sept. 23.
Cooker and steamer, Combination. A. Hassler and H. Rothman. 1,509,752; Sept. 23.
Cooking utensil. J. Schmitt. 1,509,264; Sept. 23.
Cooler: *See*—
  Air cooler.
Corn crib, grain bin, and other sheet-metal structure. H. C. Hames. 1,509,596; Sept. 23.
Corn-popping machines, Pan for. C. Cretors. 1,509,714; Sept. 23.
Corner beads, Forming expanded metal. L. E. Curtis. 1,509,544; Sept. 23.
Coupling: *See*—
  Hose coupling.
Coupling. W. C. Iftiger. 1,509,651; Sept. 23.
Coupling. E. Powell. 1,509,484; Sept. 23.
Cover lifter. S. Kuno. 1,509,242; Sept. 23.
Cranberries, Apparatus for treating. H. H. Harrison. 1,509,204; Sept. 23.
Crane, Convertible. A. E. Holcomb and L. A. Russell. 1,509,295; Sept. 23.
Cretonne. A. C. Dodman, jr., and C. S. Reiber. Des. 65,639; Sept. 23.
Crosstie and rail-holding structure, Segmental. V. C. King. 1,509,405; Sept. 23.
Crutch. C. M. Raymond. 1,509,778; Sept. 23.
Culinary vessel. S. K. Allison. 1,509,697; Sept. 23.
Cultivator, Walking. J. H. Ogden. 1,509,171; Sept. 23.
Cup: *See*—
  Drinking cup.
Current-collecting device. S. S. Matthes. 1,509,521; Sept. 23.
Current collector. C. B. Buchanan and C. C. Johnson. 1,509,665; Sept. 23.
Current collector. S. S. Matthes. 1,509,522; Sept. 23.
Curtain fixture. E. P. Wyatt. 1,509,330; Sept. 23.
Curtain pole. C. A. Warsing. 1,509,740; Sept. 23.
Curtain-rod bracket. N. J. Bishop. 1,509,390; Sept. 23.
Cutter: *See*—
  Binder cutter.
Cutting machine. J. P. Bernard. 1,509,389; Sept. 23.
Cycle frame of steel bars. J. Rasmussen. 1,509,177; Sept. 23.
Dental chair. F. E. Case. 1,509,542; Sept. 23.
Dental impression tray. F. C. Rodgers. 1,509,376-7; Sept. 23.
Die-casting machine. R. H. Williams. 1,509,458; Sept. 23.
Digging machine, Clay-. J. T. Pokorny. 1,509,173; Sept. 23.
Dispensing can. D. D. Lewis. 1,509,360; Sept. 23.
Display case, Rotary. L. F. Duff and G. Langhans. Des. 65,640; Sept. 23.
Display rack. E. A. Burbank. 1,509,125; Sept. 23.
Display, Sample. J. S. Fleischer. 1,509,548; Sept. 23.
Distillation apparatus. C. Dressler. 1,509,196; Sept. 23.
Doll. T. F. Kotter. Des. 65,657; Sept. 23.
Doll. L. A. Myers. 1,509,604; Sept. 23.
Doll, Animal. T. F. Kotter. Des. 65,654-6; Sept. 23.
Doll, Rabbit. T. F. Kotter. Des. 65,658; Sept. 23.
Dome light. W. Schnell. 1,509,783; Sept. 23.
Door and shutter fastener. J. Gaill. 1,509,726; Sept. 23.
Doorcheck. N. A. Robertson. 1,509,780; Sept. 23.
Door-locking device. R. W. Joy. 1,509,149; Sept. 23.
Dough-forming machine. J. Valenta. 1,509,455; Sept. 23.
Draft regulator. J. J. Fowden. 1,509,473; Sept. 23.
Drag. P. J. Carlson. 1,509,189; Sept. 23.
Drag implement. R. A. Moore. 1,509,213; Sept. 23.
Drapery hanger for casement windows. J. J. Condon. 1,509,639; Sept. 23.
Drawbar and bumper. R. A. Lockard. 1,509,106; Sept. 23.
Dress form. E. T. Palmenberg. 1,509,769; Sept. 23.
Drinking cup. W. P. Langley. 1,509,734; Sept. 23.
Driving connecting means. R. M. Miller. 1,509,683; Sept. 23.
Drum, Emergency. M. A. Whatley. 1,509,385; Sept. 23.
Dry battery, Deferred-action. A. K. Huntley. 1,509,209; Sept. 23.
Dry cell, Hermetically-sealed. G. W. Heise. 1,509,650; Sept. 23.
Dry-cell jackets, Machine for crimping. H. L. Borchers. 1,509,582; Sept. 23.
Drying apparatus. J. J. Miller. 1,509,367; Sept. 23.
Dumps, Feeder for kickback. J. A. Nolan. 1,509,374; Sept. 23.
Duplex wrench. J. A. Reiser. 1,509,258; Sept. 23.
Dyes, Azo. J. P. Penny. 1,509,442; Sept. 23.
Edge-lining machine. E. A. Chase. 1,509,586; Sept. 23.
Edible container. I. C. Dresser. 1,509,194; Sept. 23.
Educational appliance. C. R. Nalle. 1,509,371; Sept. 23

Egg carrier. M. Kasser. 1,509,477; Sept. 23.
Egg carton. A. Retzer. 1,509,610; Sept. 23.
Egg case. C. W. Chambers. 1,509,710; Sept. 23.
Electric battery, Alkaline. L. Grafenberg. 1,509,138; Sept. 23.
Electric heater. W. J. Bisset and M. S. Evans. 1,509,097; Sept. 23.
Electric heater. E. W. Lothamer. 1,509,561; Sept. 23.
Electric-light fixtures, Glass reflector for. S. A. Forcey. Des. 65,642; Sept. 23.
Electric machine, Vapor dynamo-. W. S. Elliott, jr. 1,509,103; Sept. 23.
Electric motor. J. M. Rodriguez. 1,509,813; Sept. 23.
Electric regulation. J. L. Creveling. 1,509,396–7; Sept. 23.
Electric switch. H. J. H. Huber. 1,509,758; Sept. 23.
Electric switch apparatus. A. C. Gaynor. 1,509,200; Sept. 23.
Electric switch apparatus and system. A. C. Gaynor. 1,509,201; Sept. 23.
Electric terminal. G. H. E. Berthold. 1,509,224; Sept. 23.
Electrical apparatus. J. G. Campbell. 1,509,666; Sept. 23.
Electrical conductor. A. S. Dann. 1,509,102; Sept. 23.
Electrode for rivet heaters. F. T. Klitt. 1,509,152; Sept. 23.
Electrodes, Making. J. M. Stephensen. 1,509,790; Sept. 23.
Electroplating machine. G. Todd. 1,509,534; Sept. 23.
Elevator: *See*—
Casing elevator.
Elevator door. A. Fischer. 1,509,670; Sept. 23.
Elevator safety device. W. M. Hensley. 1,509,755; Sept. 23.
Elevators, Counterbalance for. A. T. Brown. 1,509,803; Sept. 23.
Engines, Apparatus for forming fuel charges for internal-combustion. N. B. Gregg, jr. 1,509,426; Sept. 23.
Engines, Attachment for internal-combustion. G. Ballweber. 1,509,577; Sept. 23.
Engines, Fuel pump for internal-combustion. L. Elmer. 1,509,238; Sept. 23.
Engines, Piston for combustion. W. H. Thomson. 1,509,117; Sept. 23.
Engines, Valve mechanism for the cylinders of internal-combustion. F. H. Royce. 1,509,262; Sept. 23.
Engraving machine. G. E. Eckler. 1,509,287; Sept. 23
Esters, Manufacturing. A. A. Backhaus. 1,509,463; Sept. 23.
Evaporator and feed-water heating system, Combined. S. Brown. 1,509,634; Sept. 23.
Excavator, Trench and tunnel. J. C. French. 1,509,646; Sept. 23.
Exercising apparatus for the feet. R. S. Thompson. 1,509,793; Sept. 23.
Explosive, Ammonium nitrate. L. O. Bryan. 1,509,393; Sept. 23.
Explosive, High. J. Marshall. 1,509,362; Sept. 23.
Eyeglasses. E. J. Fink. 1,509,723; Sept. 23.
Fabric, Method and machine for producing cord. T. Midgley. 1,509,365; Sept. 23.
Fair lead. R. K. Chapman and E. G. Messer. 1,509,711; Sept. 23.
Fan. H. W. A. F., F., and C. V. Johnson. 1,509,601; Sept. 23.
Faucet. H. G. Cordley and G. R. Long. 1,509,339; Sept. 23.
Faucet. A. R. Spikings. 1,509,268; Sept. 23.
Faucet and making the same. J. H. Horsburgh. 1,509,430; Sept. 23.
Feeder, Automatic hog. G. A. Knilans. 1,509,433; Sept. 23.
Fender brace, Adjustable. P. C. Dahl. 1,509,545; Sept. 23.
Fender brace and bumper, Combination. E. L. Moore. 1,509,764; Sept. 23.
Fiber-cleaning machine. A. C. Heiny. 1,509,754; Sept. 23.
File, Prescription. D. E. Williamson. 1,509,459; Sept. 23.
Film and plate holder. H. D. Bernstein. 1,509,701; Sept. 23.
Filter, Multiple-band wave. O. J. Zobel. 1,509,184; Sept. 23.
Fingerprint-sheet holder. L. L. Mivelaz. 1,509,164; Sept. 23.
Fishing tool. E. V. Oswald. 1,509,565; Sept. 23.
Fishline reel. F. W. Tobey. 1,509,324; Sept. 23.
Floor-mailing machine. C. Schaub. 1,509,492; Sept. 23.
Flue impurities, Consumer of. M. E. Kochler. 1,509,674; Sept. 23.
Fluid-fuel burner. A. T. Carnes. 1,509,541; Sept. 23.
Fluid-fuel burner. R. V. Jefferson. 1,509,558; Sept. 23.
Fluid-fuel burner and supply apparatus. R. V. Jefferson. 1,509,557; Sept. 23.
Fluids, Apparatus for dispensing. A. L. Wertz. 1,509,535; Sept. 23.
Flying machine, Giant. C. Dornier. 1,509,344; Sept. 23.
Fringe, Tassel. G. C. Runge. Des. 65,675; Sept. 23.
Fruit crushing, displaying, and dispensing device, Casing for a. J. Fazlo. Des. 65,641; Sept. 23.
Fruit-grading machine. A. C. Tulius and F. Vallean. 1,509,216; Sept. 23.
Funnel for powder kegs. A. H. Bassler. 1,509,539; Sept. 23.
Furnace: *See*—
Melting furnace.
Furniture, Collapsible. J. Polivka. 1,509,482; Sept. 23.
Fuse. J. P. Arndt. 1,509,185; Sept. 23.
Fuse. J. H. Woodberry. 1,509,329; Sept. 23.
Fuse for projectiles. J. H. Woodberry. 1,509,328; Sept. 23.
Fuse, High tension. E. Pfiffner. 1,509,609; Sept. 23
Fuse plug. H. J. Berrian. 1,509,702; Sept. 23.
Fuse plug. L. Vecchio. 1,509,272; Sept. 23.
Game. J. F. MacPherson and W. E. Cottrill. 1,509,678; Sept. 23.
Game. S. Nagase. 1,509,370; Sept. 23.
Game board. E. M. Phillips. 1,509,312; Sept. 23.
Game-board apparatus, Miniature baseball. J. D. Taggart. 1,509,270; Sept. 23.
Game device. L. M. Parker. 1,509,770–3; Sept. 23.
Garden-rake attachment. C. L. McKesson. 1,509,369; Sept. 23.
Garment fastener and the like. E. J. Sherriff. 1,509,531; Sept. 23.
Garment hanger. T. F. Burgess. 1,509,416; Sept. 23.
Garment-marking machine. F. M. Laserson. 1,509,675; Sept. 23.
Garment presses, Steaming device for. D. H. Benjamin. 1,509,095; Sept. 23.
Garment-pressing machine. R. H. Melzer. 1,509,162; Sept. 23.
Garment supporter. F. L. Lau. 1,509,155; Sept. 23.
Garments (woven or knitted goods), Pinch support for. A. Aebi and F. Jeantet. 1,509,461; Sept. 23.
Garter. J. M. van Hausen. 1,509,500; Sept. 23.
Gas, Apparatus for the manufacture of water. T. F. Holden. 1,509,554; Sept. 23.
Gas burners, Heat deflector for. L. W. Bates and E. H. Trant. 1,509,630; Sept. 23.
Gas iron. W. Bonk. 1,509,592; Sept. 23.
Gas, Manufacturing water. T. F. Holden. 1,509,553; Sept. 23.
Gases, Process and apparatus for treating. G. Mersereau. 1,509,603; Sept. 23.
Gate fastener. L. Anderson. 1,509,462; Sept. 23.
Gathering reel. E. J. Doberstein. 1,509,503–4; Sept. 23.
Gauge: *See*—
Internal gauge. Saw gauge.
Platen-press gauge. Track gauge.
Gearing, Reduction. J. A. Anglada. 1,509,411; Sept. 23.
Gem setting. E. J. Gross. Des. 65,650; Sept. 23.
Glass cylinders, Apparatus and method for transferring. J. Murphy. 1,509,687; Sept. 23.
Glass drawing apparatus. D. L. Swindell. 1,509,183; Sept. 23.
Glass, Sheet. H. J. Gilbert. Des. 65,643; Sept. 23.
Glove, Sport. D. B. Walters. 1,509,801; Sept. 23.
Golf club. J. A. Hillerich. 1,509,429; Sept. 23.
Golf tees, Device for making. N. A. Larsen. 1,509,302; Sept. 23.
Grains and organic matter, Apparatus for treating. R. E. Baker and H. W. Jordan. 1,509,280; Sept. 23.
Gunfire on shipboard, Apparatus for the control of. A. Barr and W. Stroud. 1,509,333; Sept. 23.
Gun or rifle, Air. M. R. Randall. 1,509,257; Sept. 23.
Gun, Paint. G. C. Fish and A. H. Cummings. 1,509,671; Sept. 23.
Guns, Receiver for machine. W. T. Gorton. 1,509,401; Sept. 23.
Hair curler. R. O. Williams. 1,509,536? Sept. 23.
Hame tug. A. L. Bowlen. 1,509,704; Sept. 23.
Handcuff and leg shackle, Self-locking adjustable. W. Bockin. 1,509,335; Sept. 23.
Handhole. J. Primrose. 1,509,485–6; Sept. 23.
Handlamp, Electric. A. J. Riddel. 1,509,488; Sept. 23
Handling implement. C. W. Shane. 1,509,265; Sept. 23
Hanger: *See*—
Garment hanger.
Harvester. E. Howard and J. W. Kays. 1,509,403; Sept. 23.
Harvester thrashers, Trailer feeder attachment for combined. F. Bloor. 1,509,124; Sept. 23.
Harvesting machine, Flax-. C. H. and C. V. Vessot and G. A. Pilkey. 1,509,799; Sept. 23.
Headlight. V. F. Mikolasek. 1,509,682; Sept. 23.
Headlight attachment. E. O. Seitz. 1,509,529; Sept. 23.
Headlight for vehicles, Antiglare. G. H. Judia. 1,509,300; Sept. 23.
Heater: *See*—
Electric heater. Water heater.
Heating system. W. E. Judson. 1,509,207; Sept. 23
Heating system. J. F. MacIndoe. 1,509,810; Sept. 23.
Hinge construction. J. I. Russakov. 1,509,613; Sept. 23.
Hoisting cradle. B. F. Fitch. 1,509,400; Sept. 23.
Hoisting machines, Limit device for. R. Moore. 1,509,685; Sept. 23.
Horn, Collapsible. F. Minutillo. 1,509,763; Sept. 23.
Hose coupling. J. T. Welgand. 1,509,802; Sept. 23.
Hose supporter. A. S. Anderson. 1,509,576; Sept. 23
Ice-cream pails or other receptacles, Machine for making. E. Craig. 1,509,191; Sept. 23.
Ice holder. E. H. Duke. 1,509,197; Sept. 23.
Illuminated tool holder. A. A. Montero. 1,509,165; Sept. 23

Illuminating device, Portable. C. Hambuechen. 1,509,354; Sept. 23.
Illuminating fixtures, Globe holder for. F. Yokel. 1,509,745; Sept. 23.
Indicator: *See*—
Automobile indicator. Card-game indicator.
Induction synchronous motor. T. Yumumoto and M. Kawarada. 1,509,331; Sept. 23.
Ink mills, Knife for. J. Ruckriegel. 1,509,612; Sept. 23.
Inking surfaces, Manufacture of. E. Sardou, F. Boulle, S. Mordaci, and E. Commenge. 1,509,112; Sept. 23
Insect destroyer. J. R. Thomas and J. L. Floyd 1,509,116; Sept. 23.
Insect-destroying machine. A. E. Babcock. 1,509,083; Sept. 23.
Insecticides, Process and system of applying. J. C. Hull. 1,509,208; Sept. 23.
Insulating unit for rail joints. C. A. Dishrow. 1,509,668; Sept. 23.
Insulator. M. J. Foss. 1,509,645; Sept. 23.
Insulator, Strain. A. O. Austin. 1,509,279; Sept. 23
Intermittent-feed mechanism. A. S. Howell. 1,509,556 Sept. 23.
Internal gauge, Adjustable. J. Bath. 1,509,578; Sept. 23.
Iron: *See*—
Gas iron. Paving iron.
Ironing machine. L. Potter and R. J. Mompere. 1,509,661; Sept. 23.
Jar: *See*—
Rotary jar.
Joint: *See*—
Pipe joint. Railway-rail joint.
Joint. C. F. Gallor. 1,509,474; Sept. 23.
Journal boxes, Wear compensator for. J. E. McDaniel. 1,509,738; Sept. 23.
Kerosene-oil livestock dip. J. H. Moorman and W. E. Howe. 1,509,166; Sept. 23.
Kettle, Vulcanizing. J. Talalay. 1,509,380; Sept. 23.
Key chains, Swivel connector for. W. H. Sykes. 1,509,570; Sept. 23.
Kiln, Tunnel. C. Dressler. 1,509,195; Sept. 23.
Knife and point holder, Putty. E. J. Phillips. 1,509,775; Sept. 23.
Knife switch, Multiple-blade. I. R. Seltzer. 1,509,615; Sept. 23.
Knitting machine. M. C. Miller. 1,509,408; Sept. 23.
Knitting machines, Shear attachment for flat-. H. P. Ruf. 1,509,692; Sept. 23.
Knotter. R. A. Peterson. 1,509,409; Sept. 23.
Label, Returnable. H. E. Plimpton. 1,509,776; Sept. 23.
Lace. G. Radford. Des. 65,671; Sept. 23.
Lamp. A. B. Heath. Des. 65,651–3; Sept. 23.
Lamp. C. Lazette. Des. 65,659; Sept. 23.
Lamp base or similar article. G. E. Villaret. Des. 65,679; Sept. 23.
Lamp chimney, Metal. B. Silverman. 1,509,568; Sept. 23.
Lamp, Electric. J. B. Kansal. 1,509,211; Sept. 23.
Lamp lens, Rear-. C. H. Muckenhirn. Des. 65,664; Sept. 23.
Lamp pedestal. M. Steinberg. Des. 65,676; Sept. 23.
Lamp shade. R. E. Wilson. 1,509,744; Sept. 23.
Lamp, Signal and display. R. F. George. 1,509,290; Sept. 23.
Lander, Automatic. J. A. Nolan. 1,509,375; Sept. 23.
Lavatory fixture. S. S. Budlong. 1,509,635; Sept. 23.
Lawn cleaner and rake, Gang. W. P. M. Braun. 1,509,408; Sept. 23.
Leaf spring. C. J. Quick. 1,509,176; Sept. 23.
Leash and whip, Combined. A. Roth. 1,509,781; Sept. 23.
Lens, Fused bifocal. L. W. Bugbee. 1,509,636; Sept. 23
Lens, Rectifying. S. Hardy. 1,509,629; Sept. 23.
Lift. R. Vogel. 1,509,800; Sept. 23.
Lifter: *See*—
Cover lifter.
Light: *See*—
Dome light.
Light dimmer for motor vehicles. B. F. Bailey, jr. 1,509,538; Sept. 23.
Lighting fixture band. E. S. Lewis. Des. 65,660; Sept. 23.
Lighting fixture, Electric. V. T. Jennings. 1,509,559; Sept. 23.
Lighting fixtures, Backplate for. L. A. Crumley. Des. 65,637; Sept. 23.
Lighting system, Time-controlled. G. Lussi. 1,509,516; Sept. 23.
Lightning arrester. G. M. Little. 1,509,514–15; Sept. 23.
Lightning arrester. J. Sleplan. 1,509,493; Sept. 23.
Lingerie, Ribbon drier for. M. G. Ellinwood. 1,509,198; Sept. 23.
Liquid and solid fuel burner. H. Hutchison. 1,509,356 Sept. 23.
Liquid homogenizer. F. X. O. Trudel. 1,509,453 Sept. 23.
Lixiviation of materials. E. Morterud. 1,509,686; Sept. 23.
Lock: *See*—
Automobile door lock. Pin-tumbler lock.
Lock. O. H. Benke. 1,509,579; Sept. 23.
Locomotive, Condensing steam. H. Boltshauser. 1,509,581; Sept. 23.
Locomotive front ends, Inspection door for. J. P. Powers. 1,509,314; Sept. 23.
Locomotive, Combined throttle and drift valve for. C. E. Powers. 1,509,313; Sept. 23.
Log carrier. W. G. Daniel. 1,509,716; Sept. 23.
Looms, Center stop motion for. E. H. Ryon. 1,509,614; Sept. 23.
Lorry and other vehicles, Transport. A. F. Shirreff. 1,509,530; Sept. 23.
Loud speaker. L. Rosenstock. Des. 65,674; Sept. 23.
Lubricant feed. C. H. Richards. 1,509,487; Sept. 23.
Lubricating system. G. W. Severson. 1,509,180; Sept. 23.
Lunch box, Collapsible. J. Unser. 1,509,454; Sept. 23
Magnetic peel. P. E. Kennedy. 1,509,732; Sept. 23.
Manifold continuous forms, Method of and apparatus for producing. H. E. Murray and G. A. Mayer. 1,509,525; Sept. 23
Map holder. A. E. MacQuarrie. 1,509,407; Sept. 23.
Mason's tool. F. L. Wiekham. 1,509,457; Sept. 23.
Mat and blending device, Combined. S. Bardy. 1,509,628; Sept. 23.
Match scratcher for garments. H. H. and H. A. Otto. 1,509,309; Sept. 23.
Mattress and cushion making, Inner-spring. J. Kramer. 1,509,241; Sept. 23.
Measuring instrument. F. D. Tamplin. 1,509,451; Sept. 23.
Melting furnace, Nonferrous. C. Werra. 1,509,277; Sept. 23.
Meta-nitrobenzaldehyde, Production of. D. W. Bissell. 1,509,412; Sept. 23.
Metal, Machine for expanding. L. E. Curtis. 1,509,543; Sept. 23.
Metals from cyanide solutions, Recovering. A. H. Lawry. 1,509,156; Sept. 23.
Microphone. J. W. Owen and A. Hewitt. 1,509,818; Sept. 23.
Mirror support. G. A. Zeidler. 1,509,746; Sept. 23.
Mixing apparatus. H. A. Warfel. 1,509,276; Sept. 23
Mixing device. J. A. Depotie. 1,509,718; Sept. 23.
Molded articles, Facing. T. Hostetter. 1,509,729; Sept. 23.
Molding press, Hydraulic. J. van Hillen. 1,509,456; Sept. 23.
Mop. D. Keir. 1,509,731; Sept. 23.
Motor: *See*—
Electric motor. Twin motor.
Induction synchronous motor.
Motor-bus construction. J. C. Haggart, jr. 1,509,142 Sept. 23.
Motors, Control system for electric. L. J. Stephenson. 1,509,114; Sept. 23.
Mowing machine attachment. C. P. George. 1,509,647; Sept. 23.
Music holder. J. Love, jr. 1,509,158; Sept. 23.
Music sheets, Tracking mechanism for. T. Danquard. 1,509,590; Sept. 23.
Musical instruments, Device for use in learning to play. F. M. Schneider. 1,509,320; Sept. 23.
Musical instruments, Tracking mechanism for automatic. E. G. Nicholson. 1,509,765; Sept. 23.
N-dihydro 1, 2, 2', 1'-anthraquinone-azine and a new process for making same, Dichlorinated derivative of the. G. Kalischer and H. Salkowski. 1,509,808; Sept. 23.
Necktie. A. Schreter. 1,509,784; Sept. 23.
Neckwear-attaching device. A. W. Pithouse. 1,509,444 Sept. 23.
Nonglare structure. E. L. Petow. 1,509,481; Sept. 23
Nozzle, Spraying. C. W. Skinner. 1,509,448; Sept. 23.
Numeral data, Machine for summing up. K. E. L. Lidstrand. 1,509,513; Sept. 23.
Nut, Cap. C. F. Richards. 1,509,528; Sept. 23.
Oil burner. C. V. and J. J. Bryan. 1,509,706; Sept. 23.
Oil, Treating petroleum. J. W. Weir. 1,509,326; Sept. 23.
Oils, Apparatus for treating. R. T. Pollock. 1,509,819; Sept. 23.
Oils, Lowering the cold test of lubricating. J. W. Weir and W. J. Ryan. 1,509,325; Sept. 23.
Oiling device for road rollers. D. S. Monroe. 1,509,684; Sept. 23.
Ore concentrator. W. E. Mendenhall. 1,509,681; Sept. 23.
Ore separation. C. Spearman. 1,509,266; Sept. 23.
Ore-treating system. A. L. Blomfield. 1,509,391; Sept. 23.
Ores, Treatment of copper. W. G. Perkins. 1,509,774; Sept. 23.
Outlet box. S. R. Fralick. 1,509,288; Sept. 23.
Package, Safety. J. L. Binder. 1,509,123; Sept. 23.
Packing. C. C. Hall. 1,509,353; Sept. 23.
Paper and fabric roller. C. E. Tompkins. 1,509,621; Sept. 23.
Paper clamp and holder. A. A. Leyare and A. Martin. 1,509,303; Sept. 23.
Paper-machine couch roll. S. G. Chambers. 1,509,584; Sept. 23.
Paper, Making crêpe. A. E. Cofrin. 1,509,418; Sept. 23.
Parachute, Self-opening. J. W. Ruff. 1,509,410; Sept. 23.
Partition. H. Torjesen. 1,509,118; Sept. 23.

Paving blocks. M. V. Luchich and L. Osterman. 1,509,659; Sept. 23.
Paving iron. F. E. Greene. 1,509,236; Sept. 23.
Peanut butter and manufacturing same. J. L. Rosenfield. Re15,918; Sept. 23.
Pedal extension, Foot-. W. M. Head. 1,509,294; Sept. 23.
Pedestal. H. Clement. Des. 65,634–5; Sept. 23.
Peeling device. T. F. Behl. 1,509,700; Sept. 23.
Pen and electric light, Fountain. J. J. Devine. 1,509,719; Sept. 23.
Pen, Fountain. S. V. Corofia. Des. 65,636; Sept. 23.
Pen, Fountain. J. Edelman. 1,509,420; Sept. 23.
Pencil, Lead. A. Pollack. 1,509,255; Sept. 23.
Perfume container. L. Parisot. Des. 65,668–9; Sept. 23.
Phonograph attachment. T. H. Campbell. 1,509,540; Sept. 23.
Phonograph tone arm. R. B. Daley. 1,509,100; Sept. 23.
Photoengraving plates, Apparatus for preparing. J. S. Freer. 1,509,725; Sept. 23.
Photoprinting machine. O. Fournier. 1,509,806; Sept. 23.
Picture films, Reel for motion-. E. G. Niess-Waner. 1,509,441; Sept. 23.
Picture machine, Moving-. N. Power. 1,509,256; Sept. 23.
Picture machines, Electric motor drive and control means for motion-. A. S. Howell. 1,509,555; Sept. 23.
Pile fabric. J. Gowans. Des. 64,647–9; Sept. 23.
Pin-tumbler lock. J. B. Freyslnger. 1,509,594; Sept. 23.
Pipe: *See*—
Tobacco pipe.
Pipe-forming machine. J. R. Freeze. 1,509,134; Sept. 23.
Pipe joint, Rotatable. W. Macgregor. 1,509,562; Sept. 23.
Plasterer's reversible float. L. E. Gray. 1,509,807; Sept. 23.
Plastic composition. C. E. Kraus. 1,509,478; Sept. 23.
Plastic composition and making the same. C. E. Kraus. 1,509,406; Sept. 23.
Plate and treating the same. J. Sieplan. 1,509,495–6; Sept. 23.
Plate holder. H. L. Boyer. 1,509,414; Sept. 23.
Plate or analogous article. G. F. Parker. Des. 65,666; Sept. 23.
Platen-press gauge. L. T. Gardner. 1,509,233; Sept. 23.
Plow, Wheel. C. G. Strandlund. 1,509,115; Sept. 23.
Plows, Rolling colter for disk. W. L. Paul. 1,509,310; Sept. 23.
Plug and automatic switch, Combination connecter. W. Morlok. 1,509,439; Sept. 23.
Plug, Attachment. A. C. Gayner. 1,509,672; Sept. 23.
Plug cluster. R. B. Benjamin. 1,509,096; Sept. 23.
Pole connection, Implement. H. P. Corbin. 1,509,230; Sept. 23.
Polishing machine. B. C. Skinner. 1,509,447; Sept. 23.
Pontoon skid. J. M. H. Jacobs. 1,509,297; Sept. 23.
Pool tables, Pocket for. H. W. Sinkey and W. L. Thurber 1,509,616; Sept. 23.
Postal card. F. E. Barnett. 1,509,662; Sept. 23.
Potato digger and vine cutter. T. Simon. 1,509,786; Sept. 23.
Poultry-disinfecting device. T. A. Barry. 1,509,464; Sept. 23.
Powder box. J. Worth. Des. 65,681; Sept. 23.
Power plant. W. E. Trent. 1,509,622; Sept. 23.
Power transmission. C. L. Cook. 1,509,713; Sept. 23.
Press: *See*—
Molding press.
Press wipers, De-inking plate-. C. J. Gutberlet. 1,509,648; Sept. 23.
Prime movers, Apparatus for governing. E. Volet. 1,509,695; Sept. 23.
Primer. G. L. Karr. 1,509,654; Sept. 23.
Printing, Color. G. H. Brown. 1,509,664; Sept. 23.
Projectile. H. M. Ratcliff. 1,509,178; Sept. 23.
Propeller. T. A. Dicks. 1,509,804; Sept. 23.
Protective device. J. Sieplan. 1,509,494; Sept. 23.
Pulleys with composition, Device for coating. J. Agerup. 1,509,278; Sept. 23.
Pulper. A. Biffar. 1,509,334; Sept. 23.
Pulverizer, Soil. J. H. Johnson. 1,509,652; Sept. 23.
Pump. G. McFarland. 1,509,169; Sept. 23.
Pump, Air. J. A. Grosvenor. 1,509,595; Sept. 23.
Pump and elevator, Liquid. J. E. L. Ogden. 1,509,214; Sept. 23.
Pump, Fluid. A. H. Sproule and K. R. D. Shaw. 1,509,788; Sept. 23.
Pump, Pressure. L. E. Allyn. 1,509,090; Sept. 23.
Pumps, Drain attachment for hand-operated. C. B. Hagen. 1,509,427; Sept. 23.
Pumping apparatus for oil wells. J. W. Taylor. 1,509,323; Sept. 23.
Quolt, Horseshoe. W. J. Martin. 1,509,563; Sept. 23.
Rack: *See*—
Display rack. Towel rack.
Radiator cap. J. L. Baya. 1,509,465; Sept. 23.
Radiator fan. E. F. Colby. 1,509,286; Sept. 23.
Radiator fastening, Wing-. H. C. Mummert. 1,509,251; Sept. 23.
Radiator, Nonburst. J. C. Maxwell. 1,509,107; Sept. 23.
Radio receiving apparatus. D. Grimes. 1,509,139; Sept. 23.
Radio transmission system. M. Ogmos. 1,509,308; Sept. 23.
Railway draft appliance. W. J. Regan and E. George, jr. 1,509,690; Sept. 23.
Railway-rail joint. H. W. Edwards. 1,509,721; Sept. 23.
Railway switch. J. F. Qualls. 1,509,777; Sept. 23.
Railway-train-protection system. G. L. Bossard and R. Zaugg. 1,509,663; Sept. 23.
Railways, Highway grade-level crossing for. O. Johnson. 1,509,404; Sept. 23.
Rake cleaner. C. C. Mattox. 1,509,679; Sept. 23.
Razor strop. G. E. Faupel. 1,509,347; Sept. 23.
Reaper, binder and shocker, Combined. J. M. Johnson. 1,509,432; Sept. 23.
Reamer, Expanding. F. J. Peterson. 1,509,443; Sept. 23.
Receptacles, Machinery and method for making. E. Craig. 1,509,192; Sept. 23.
Reel: *See*—
Fishline reel. Wire reel.
Gathering reel.
Reel carrier. C. C. Davis. 1,509,717; Sept. 23.
Reel guard, Self-locking wire-. O. C. Mahon. 1,509,246; Sept. 23.
Refrigerating apparatus. P. Fischbacher. 1,509,131; Sept. 23.
Refrigerator construction. F. J. M. Curran. 1,509,589; Sept. 23.
Register: *See*—
Warm-air register.
Regulator: *See*—
Draft regulator.
Regulator. L. W. Eggleston. 1,509,669; Sept. 23.
Retort, Vertical. G. W. Wallace. 1,509,275; Sept. 23
Return trap. O. G. Johnson. 1,509,299; Sept. 23.
Rigging ring. P. J. Henry. 1,509,428; Sept. 23.
Rim. O. H. Jobski. 1,509,512; Sept. 23.
Ring: *See*—
Rigging ring.
Ring. A. Brod. Des. 65,631–2; Sept. 23.
Ring box. A. B. MacLaren. 1,509,245; Sept. 23.
Riveting machine. J. R. Freeze. 1,509,133; Sept. 23.
Road machinery. W. L. Towner. 1,509,797; Sept. 23.
Robe and wrap, Convertible. H. C. Hopewell. 1,509,296; Sept. 23.
Roller: *See*—
Paper and fabric roller. Shade roller.
Roof sump. R. C. Mahon. 1,509,305; Sept. 23.
Roofing. J. F. Tiner. 1,509,795; Sept. 23.
Rotary. H. R. Decker. 1,509,547; Sept. 23.
Rotary jar. L. J. Giancilla. 1,509,350; Sept. 23.
Routing machine. L. H. Gale. 1,509,289; Sept. 23.
Rubber and the like, Machine for washing. F. Kempter. 1,509,357; Sept. 23.
Rubber stock and preparing the same. C. E. Maynard 1,509,363; Sept. 23.
Saw gauge. D. C. Spencer. 1,509,182; Sept. 23
Saw set. H. L. Carman. 1,509,709; Sept. 23.
Sawing machine. C. H. Stanton and E. C. Dessom 1,509,789; Sept. 23.
Sash lift and lock, Combination. L. R. Talbert 1,509,619; Sept. 23.
Scaffold. F. Kayte. 1,509,760; Sept. 23.
Screen: *See*—
Automobile screen.
Sealing device, Storage-battery. W. H. Caldbeck. 1,509,583; Sept. 23.
Seam. R. N. Saleeby. 1,509,111; Sept. 23.
Seat mounting. G. J. Krum. 1,509,105; Sept. 23.
Seed-discharging mechanism. R. H. Griffith. 1,509,291; Sept. 23.
Separator for pulpy matter such as ground wood or straw, cellulose, and the like, Centrifugal. K. Klimpke. 1,509,153; Sept. 23.
Sewing-machine supporting and driving device. A. Popper and L. Adelhofer. 1,509,483; Sept. 23.
Sewing machines, Lighting device for. F. Diehl. 1,509,502; Sept. 23.
Shade adjuster, Window-. J. L. Zeller. 1,509,460; Sept. 23.
Shade and curtain fixture, Roller. T. W. Burgess. 1,509,470; Sept. 23.
Shade roller, Window-. J. P. Hall. 1,509,728; Sept. 23.
Shade and shield supporting bracket, Double roller-. W. H. Forse, jr. 1,509,644; Sept. 23.
Shank and bit punch. L. C. Bayles and A. E. Peters. 1,509,220; Sept. 23.
Shaper-driving mechanism. J. J. Witt. 1,509,387; Sept. 23.
Sharpener, Knife. M. G. Goff. 1,509,136; Sept. 23.
Shipping box, Metal-bound. E. Craig. 1,509,193; Sept. 23.
Shock absorber. A. W. Wahlin and C. B. Erickson. 1,509,274; Sept. 23.
Shock controller. P. J. Murray and M. L. Clark. 1,509,306; Sept. 23.
Shoe-sole lining. M. S. Hess. 1,509,756; Sept. 23.
Shoe, Turn. J. Cavanagh. 1,509,126; Sept. 23.
Ships, boats, and other vessels, Construction of. H. Clay. 1,509,284; Sept. 23.
Shuttle. J. E. Girouard and A. La Caire. 1,509,751; Sept. 23.
Signal. T. I. Potter. 1,509,110; Sept. 23.
Signaling device. A. L. Mahony and P. J. Linstrom. 1,509,160; Sept. 23.
Skylight. S. Heyman. 1,509,757; Sept. 23.
Sled brake. X. Legault. 1,509,761; Sept. 23.
Sleigh, Push. O. Dale. 1,509,546; Sept. 23.

Slide, Emergency. G. W. Hardy. 1,509,552; Sept. 23
Smoke consumer. F. H. Dillon. 1,509,341–3; Sept. 23.
Smoke hood, Detachable. R. G. Marr and G. A. Vedder 1,509,517; Sept. 23.
Snowplow. J. H. Roeske. 1,509,261; Sept. 23.
Soot-consuming device. P. Frame. 1,509,724; Sept. 23.
Sound recording and reproducing machine, Telephonically operated. J. W. Owen and A. Hewitt. 1,509,817; Sept. 23.
Spark-gap structure. J. Sieplan. 1,509,497; Sept. 23.
Spark plug. P. B. Burbans. 1,509,471; Sept. 23.
Spark plug. E. Minge. 1,509,163; Sept. 23.
Speedometer-drive means. E. D. Myers. 1,509,368; Sept. 23.
Spinning and twisting frame and the like. J. P. Garey. 1,509,234; Sept. 23.
Spraying apparatus. G. G. Bayne. 1,509,222; Sept. 23.
Spring: *See*—
Leaf spring.
Spring cover. C. A. Lincoln and E. F. Rossman. 1,509,244; Sept. 23.
Spring-shackle lubricator and cover. A. B. Beltman. 1,509,466; Sept. 23.
Square, Carpenter's. J. S. Bourgeois. 1,509,703; Sept. 23.
Stake holder. A. J. Cecil. 1,509,229; Sept. 23.
Stamping apparatus and process. H. S. Holmes 1,509,147; Sept. 23.
Stand. V. Grenfell. 1,509,203; Sept. 23.
Statuette. J. Castellana. Des. 65,633; Sept. 23.
Stencil. P. Beghetti. 1,509,223; Sept. 23.
Stone blocks, Edge trimmer for. E. A. Chase. 1,509,585; Sept. 23.
Storage tank. J. F. Anderson. 1,509,698; Sept. 23.
Stove, Gas. H. W. O'Dowd. 1,509,526; Sept. 23.
Stove plate. D. Schwartz. 1,509,445; Sept. 23.
Strainer holder. C. J. Felger. 1,509,593; Sept. 23.
Strings, Machine for polishing gut. J. Saladino. 1,509,263; Sept. 23.
Sugar-cane juice, Refining. C. H. Hapgood. 1,509,355; Sept. 23.
Swatter, Insect. A. Rochwite. 1,509,489; Sept. 23.
Switch: *See*—
Electric switch. Railway switch.
Knife switch. Wall switch.
Tag, Price. H. P. Fest. 1,509,130; Sept. 23.
Tailstock. O. K. Garrard. 1,509,505; Sept. 23.
Tank: *See*—
Storage tank.
Tank cover, Gasoline-. T. Tokuhisa. 1,509,796; Sept. 23.
Target, Self-indicating. A. Vangen. 1,509,217; Sept. 23.
Teeth with metallic filling substances, Filling hollow bodies, especially the cavities of human. J. Maurer Des. 1,509,161; Sept. 23.
Telephone-exchange system. O. H. Kopp. 1,509,434; Sept. 23.
Telephone receiver. H. P. Donle. 1,509,805; Sept. 23.
Telephone system, Automatic. E. Jacobsen. 1,509,298; Sept. 23.
Telephone system, Multioffice. R. G. Richardson. 1,509,691; Sept. 23.
Tennis, Net and supports for ring. F. L. Sawyer. 1,509,490; Sept. 23.
Tennis rackets and the like, Press for. W. F. Reach. 1,509,689; Sept. 23.
Tennis, Ring for ring. F. L. Sawyer. 1,509,491; Sept. 23.
Textile machine. E. F. Hathaway. 1,509,402; Sept. 23.
Thrasher. O. H. Bremser. 1,509,188; Sept. 23.
Thrasher. B. C. Chappell. 1,509,712; Sept. 23.
Thrashing machines, Hulling attachment for. W. R. Hughes. 1,509,730; Sept. 23.
Threads, Cutting undercut. G. E. Miller. 1,509,438; Sept. 23.
Threads of any thickness from viscose, Manufacture of. E. Bronnert. 1,509,338; Sept. 23.
Tile, Building. E. J. Garrard. 1,509,424; Sept. 23.
Tile-making machine. W. A. Hislop. 1,509,205; Sept. 23.
Tin mills, Sticker puller for. T. W. Maloney. 1,509,602; Sept. 23.
Tire, Automobile. F. L. Braender. Des. 65,630; Sept. 23.
Tire, Automobile. W. J. Rennick. Des. 65,672; Sept. 23.
Tire carrier. H. R. Gerrie. 1,509,727; Sept. 23.
Tire casings, Forming. T. Midgley. 1,509,366; Sept. 23.
Tire casings, Making pneumatic-. J. L. G. Dykes. 1,509,814; Sept. 23.
Tire chain. G. H. Waters. 1,509,573; Sept. 23.
Tire-chain fastener. J. B. Kinser. 1,509,358; Sept. 23.
Tire fabric, Method and apparatus for producing strands for. H. E. Grabau. 1,509,202; Sept. 23.
Tire, Nonskid. E. J. Kearns. 1,509,301; Sept. 23.
Tire tread. P. E. Welton. Des. 65,680; Sept. 23.
Tires, Method and apparatus for making pneumatic. J. L. G. Dykes. 1,509,346; Sept. 23.
Tires, Method and apparatus for manufacturing cushion. C. E. Rett and G. S. Anderson. 1,509,259; Sept. 23.
Tires, Mold for the production of air tubes for pneumatic. T. B. McLeroth. 1,509,440; Sept. 23.
Tobacco pipe. B. Bank. 1,509,627; Sept. 23.
Tobacco-smoking pipe, cigarette and cigar holder. W. T. Bradshaw and G. E. Schmidt. 1,509,633; Sept. 23.
Tongs. S. M. Heard. 1,509,753; Sept. 23.
Tongs, Wheel. H. C. Haumueller. 1,509,145; Sept. 23.
Tool holder. K. Studlinka. 1,509,792; Sept. 23.
Toothbrush. J. A. Donnell. 1,509,720; Sept. 23.
Top. L. Marx. 1,509,436; Sept. 23.
Towel rack. M. Lachmann. 1,509,657; Sept. 23.
Toy desk telephone. N. N. Hill. 1,509,598–9; Sept. 23
Toy, Swinging. L. R. Flint. 1,509,348; Sept. 23.
Toy traffic tower. M. Pressner. Des. 65,670; Sept. 23.
Toy vehicle. D. A. Overman. 1,509,768; Sept. 23.
Track gauge. H. L. Grovesdahl. 1,509,141; Sept. 23.
Tracker-bar mechanism. T. M. Reimers. 1,509,315–16; Sept. 23.
Traction wheel. C. Rexroat. 1,509,779; Sept. 23.
Tractor. C. W. Hart 1,509,293; Sept. 23.
Tractor attachment. J. Q. Billings. 1,509,748; Sept. 23.
Tractor attachment. J. Q. Billings. 1,509,749; Sept. 23.
Tractors, Clutch-operating attachment for. G. B. Clauson. 1,509,638; Sept. 23.
Trains, Automatic speed control for. T. M. Rigg'e. 1,509,317; Sept. 23.
Transmission mechanism. C. E. Starr. 1,509,498; Sept. 23.
Transmission system, Self-setting. E. Meltner 1,509,248; Sept. 23.
Trap: *See*—
Return trap. Waste trap.
Tricycle. H. Slater. 1,509,215; Sept. 23.
Triphenylmethane compound and producing same. D W. Bissell and R. B. McCann. 1,509,413; Sept. 23
Trolley wire and guard hanger, Combined. A. Shneiko ski. 1,509,321; Sept. 23.
Truck body. B. Noll. 1,509,607; Sept. 23.
Trumpet, Solo. R. Hickernell. 1,509,104; Sept. 23.
Tube: *See*—
Collapsible tube.
Tubing spacer. C. H. Benckenstein. 1,509,747; Sept. 23.
Turbine, Water. M. R. Cole. 1,509,587; Sept. 23.
Turbines, etc., Runner wheel for. V. Kaplan. 1,509,653; Sept. 23.
Twin motor. F. A. Bentzlin. 1,509,631; Sept. 23.
Type-casting machines and the like, Distributing apparatus for matrices of. C. H. Crowell. 1,509,398; Sept. 23.
Typewriters, Automatic carriage-reversing mechanism for. J. M. Carino. 1,509,228; Sept. 23.
Ukulele. E. F. Mattausch. Des. 65,662; Sept. 23.
Vacuum-feed fuel-reserve device. L. H. Wheeler 1,509,696; Sept. 23.
Valve, Air-brake. W. D. Kendrick. 1,509,816; Sept. 23.
Valve and nozzle, Air. J. A. Martocello. 1,509,520; Sept. 23.
Valve chamber for gas masks. H. Saunier. 1,509,319. Sept. 23.
Valve, Electrically-controlled regulating. S. J. Dunkley. 1,509,345; Sept. 23.
Valve for deep-well pumps. F. J. Lukins. 1,509,435; Sept. 23.
Valve lathe. W. C. Schroeck and W. Lissmann. 1,509,378; Sept. 23.
Valve mechanism, Tank-discharge-. V. R. Willoughby. 1,509,119; Sept. 23.
Valve mechanism, Tank-discharge-. O. Hochberg 1,509,146; Sept. 23.
Valve, Pressure-relief. R. A. Wilson. 1,509,386; Sept. 23.
Valve system, Outlet-. W. M. Giffen. 1,509,425; Sept. 23.
Valve, Tank-car-discharge. J. W. King. 1,509,151; Sept. 23.
Vaporizer. A. H. Webber. 1,509,742; Sept. 23.
Vehicle bumper. W. G. Cox. 1,509,394; Sept. 23.
Vehicle passes two given points, Apparatus for recording the times at which a. E. E. Lucy. 1,509,736; Sept. 23.
Vehicles, Shock absorber and stabilizer for motor. C. W. N. Sorensen. 1,509,618; Sept. 23.
Vehicle top. G. R. Hallock and R. Villane. 1,509,143; Sept. 23.
Vehicles, Apparatus for and method of cleansing units of motor. J. F. Winchester. 1,509,327; Sept. 23.
Vehicles and the like, Turntable lifting jack generally for motor road. H. S. Keightley and G. A. Godfrey. 1,509,212; Sept. 23.
Vehicles, Elastic wheel for. G. Broulhiet. 1,509,705; Sept. 23.
Vehicles, Traction lug for motor. J. I. Mullen. 1,509,168; Sept. 23.
Vending machine. L. C. and J. C. Miles. 1,509,249; Sept. 23.
Ventilating device, Window-. C. V. Swanson. 1,509,569; Sept. 23.
Vernier. D. J. Monosmith. 1,509,523; Sept. 23.
Vibrating concentrator. W. C. Coleman. 1,509,099; Sept. 23.
Vise, Bench. C. L. Gustafson. 1,509,509; Sept. 23.
Wall construction. W. J. Burton. 1,509,637; Sept. 23.
Wall switch. D. D. Gordon. 1,509,506; Sept. 23.
Walls, Ventilator for metallic. E. R. Armstrong. 1,509,332; Sept. 23.
Warm-air register. W. T. Truax. 1,509,572; Sept. 23
Washing and separating machine, Sand and like. O. N. Rikof. 1,509,260; Sept. 23.
Waste trap. A. S. Newton. 1,509,252; Sept. 23.
Watch holder. P. H. Nolting. 1,509,766; Sept. 23

Water heater, Automatic. C. J. and J. F. Dillon. 1,509,592; Sept. 23.
Water heater, Electric. E. Groulx. 1,509,140; Sept. 23.
Water heater, Feed-. F. Samuelson. 1,509,782; Sept. 23.
Waterproof container. B. Gottlieb. 1,509,137; Sept. 23.
Weaner, Calf. J. E. Newsum. 1,509,373; Sept. 23.
Weed burner. I. S. Corson. 1,509,340; Sept. 23.
Weft-detecting mechanism. G. K. Nicholas. 1,509,606; Sept. 23.
Weft-replenishing mechanism for looms. E. S. Stimpson. 1,509,449; Sept. 23.
Welding. V. E. Walter and W. J. Lally. 1,509,384; Sept. 23.
Welding machine, Automatic. E. Gruenfeldt. 1,509,507; Sept. 23.
Well cap. L. A. Forsberg. 1,509,643; Sept. 23.
Wheel: *See*—
Band wheel. Traction wheel.
Wheel motor for four-wheel drives. H. C. McCleary. 1,509,737; Sept. 23.
Wheel rim, Automobile. J. H. Wagenhorst. 1,509,382; Sept. 23.
Wheels, Power transmission for. H. R. Holmes. Re15,919; Sept. 23.
Winch. C. D. McLachlan. 1,509,109; Sept. 23.
Windmill. E. O. Carey. 1,509,472; Sept. 23.
Window snap, Combination, Vacuum. O. G. Huber 1,509,759; Sept. 23.
Windows, Curtain hanger for casement. M. N. Callender. 1,509,698; Sept. 23.
Window guide, Noiseless. G. A. Reynolds, jr. 1,509,179; Sept. 23.
Window, Sliding sash. E. L. Burkett. 1,509,707; Sept. 23.
Windshield cleaner. A. G. Atchison. 1,509,699; Sept. 23.
Windshield cleaner. H. L. Taylor. 1,509,620; Sept. 23.
Wire, Process and apparatus for coating. A. S. Dana 1,509,101; Sept. 23.
Wire reel. L. S. Lachman and E. Fulda. 1,509,656; Sept. 23.
Wire stretcher. L. S. Bold. 1,509,281; Sept. 23.
Wire stretcher. F. Dacar. 1,509,715; Sept. 23.
Wood-refuse destroyer. C. Harrison. 1,509,475; Sept. 23.
Wood, Seasoning. R. Thelen. 1,509,533; Sept. 23.
Wool and cotton journal-box waste, Machine for renovating. T. M. Lawson. 1,509,359; Sept. 23.
Wool or other animal fibers from fabrics, Recovering S. A. Ogden. 1,509,172; Sept. 23.
Wrench: *See*—
Duplex wrench.
Wrench. G. Bracci. 1,509,632; Sept. 23.
Wrench. J. H. Meek 1,509,680; Sept. 23
Wringer: *See*—
Clothes wringer.
Yeast food and making same G. R. Potts. 1,509,175; Sept. 23.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 23, 1924.

NOTE.—First number—class, second number—subclass, third number=patent number.

1— 1: 1,509,492
2— 19: 1,509,801
88: 1,509,206
151: 1,509,784
250: 1,509,766
1— 26: 1,509,698
251: 1,509,242
6— 46: 1,509,622
8— 12: 1,509,172
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9 21: 1,509,551
10— 145: 1,509,438
15— 25: 1,509,720
119: 1,509,731
133: 1,509,219
169: 1,509,625
177: 1,509,117
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16 128: 1,509,613
195: 1,509,707
18— 2 1,509,259
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101: 1,509,476
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222: 1,509,531
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105: 1,509,205
131.5: 1,509,253
142: 1,509,195
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29— 17: 1,509,602
73: 1,509,789
84: 1,509,600
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148: 1,509,617
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30 1: 1,509,787
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33— 95: 1,509,703
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37— 143: 1,509,189
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97: 1,509,746
46— 4— 1,509,302
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108 — 5.6: 1,509,108
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127 56: 1,509,355
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129 1: 1,509,459
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130 15: 1,509,712
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171 97: 1,509,538
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180— 48: R.15,919
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183 5: 1,509,724
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184— 7: 1,509,180
187— 78: 1,509,735
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189— 34: 1,509,637
191— 35: 1,509,321
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192 13: 1,509,768
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47: 1,509,446
52: 1,509,469
75: 1,509,511
78: 1,509,626
83: 1,509,221
105: 1,509,683
113: 1,509,240
142: 1,509,685
196— 18: 1,509,325
1,509,326
107: 1,509,819
197 66: 1,509,228
198— 9 1,509,129
199— 37: 1,509,398
200— 11: 1,509,200
1,509,201
68: 1,509,506
120: 1,509,185
1,509,609
130: 1,509,272
1,509,702
153: 1,509,758
172: 1,509,615
202 — 9: 1,509,196
14: 1,509,275
1,509,667
204 11: 1,509,101
1,509,534
29: 1,509,138
1,509,186
1,509,583
1,509,790
38: 1,509,209
1,509,650
206— 3: 1,509,123
41: 1,509,311
208— 38: 1,509,215

208—	106.	1,509,177	220—	7	1,509,710	233—	5:	1,509,099	244—	2:	1,509,344	256—	14:	1,509,739	289—	5:	1,509,409
	165	1,509,361		24:	1,509,796	234—	27. 5:	1,509,736		6:	1,509,527	257—	30:	1,509,634	292—	74:	1,509,623
211—	8	1,509,249		25:	1,509,485	235—	61:	1,509,333		15:	1,509,247		125:	1,509,107		128:	1,509,726
		1,509,319			1,509,486		91:	1,509,513		21:	1,509,410		221:	1,509,566		164:	1,509,462
	13:	1,509,416		33:	1,509,465	236—	15:	1,509,473		29:	1,509,743		236:	1,509,782		173:	1,509,619
	24:	1,509,203		36:	1,509,798		26:	1,509,669		31:	1,509,251	259—	131:	1,509,276		198:	1,509,780
	28	1,509,245		39:	1,509,132		32:	1,509,592	246—	63:	1,509,317	260—	31:	1,509,808		224:	1,509,421
212—	61.	1,509,800		42:	1,509,642	237—	56:	1,509,810		78:	1,509,663		68:	1,509,413	293—	55:	1,509,394
	89:	1,509,716		80:	1,509,218	238—	3:	1,509,404		318:	1,509,777		70:	1,509,442			1,509,395
213—	69.	1,509,690		86:	1,509,304		31:	1,509,405	247—	21:	1,509,288		116:	1,509,575			1,509,545
	220:	1,509,106		95:	1,509,264		159:	1,509,668	248—	30:	1,509,593		136:	1,509,412			1,509,764
214—	1.	1,509,254	221—	19:	1,509,452		164.	1,509,474		39:	1,509,759		166:	1,509,463	294—	30:	1,509,265
		1,509,687		28:	1,509,360		244:	1,509,721		48:	1,509,407			1,509,603		35:	1,509,700
	38:	1,509,597		60:	1,509,419	240—	2	1,509,502	250—	17:	1,509,308	262—	19:	1,509,173		43:	1,509,753
	42	1,509,479			1,509,431		8. 4:	1,509,165		20:	1,509,139	263—	14:	1,509,277		65. 5:	1,509,732
	50:	1,509,374		61:	1,509,539			1,509,719	251—	36:	1,509,146	267—	8:	1,509,274		87:	1,509,477
	90:	1,509,646		100:	1,509,535		8. 5:	1,509,354		39:	1,509,208		37:	1,509,244		90:	1,509,571
	115:	1,509,400		118:	1,509,291		11:	1,509,211			1,509,339		45:	1,509,618		102:	1,509,565
	125.	1,509,154	223—	18:	1,509,769		41:	1,509,529		120:	1,509,520		49:	1,509,176		115:	1,509,145
	132	1,509,295		19:	1,509,198			1,509,682		159:	1,509,313		54:	1,509,466	296—	28:	1,509,142
217—	12:	1,509,193	224—	29:	1,509,197			1,509,783		164:	1,509,550	274—	2:	1,509,763		44. 5:	1,509,179
	54:	1,509,422			1,509,727		48. 4:	1,509,300		165:	1,509,816		24:	1,509,100		47:	1,509,231
	99:	1,509,537	226—	46:	1,509,241		78:	1,509,559	253—	96:	1,509,653		27:	1,509,540		138:	1,509,450
218—	3:	1,509,658		84:	1,509,388		103:	1,509,744		166:	1,509,587	277—	45:	1,509,386		139:	1,509,143
219—	10.	1,509,384	227—	25:	1,509,552		132:	1,509,745	254—	66:	1,509,715		54:	1,509,508	298—	27:	1,509,530
	13:	1,509,097	229—	16:	1,509,809	241—	1:	1,509,576		81:	1,509,281	279—	114:	1,509,510		38:	1,509,607
		1,509,152		29:	1,509,610		6:	1,509,500		87:	1,509,212	280—	23:	1,509,546	299—	43:	1,509,222
	19:	1,509,561		32:	1,509,500		11:	1,509,155		119:	1,509,122		33. 44:	1,509,749		118:	1,509,671
	25.	1,509,439		33:	1,509,383	242—	56:	1,509,621		166:	1,509,385		87. 5:	1,509,181		121:	1,509,448
	38.	1,509,140		39:	1,509,735		70:	1,509,656		184:	1,509,109	282—	27:	1,509,692	300—	21:	1,509,271
		1,509,207		41:	1,509,454		74:	1,509,441		190:	1,509,711	285—	22:	1,509,747	301—	19:	1,509,382
	39:	1,509,635	230—	6:	1,509,131		77:	1,509,246	255—	23:	1,509,547		84:	1,509,802		30:	1,509,512
	51	1,509,495		11:	1,509,351		84. 5:	1,509,324		27:	1,509,350		86:	1,509,484		46:	1,509,779
		1,509,496		14:	1,509,660		85:	1,509,717		61:	1,509,564		133:	1,509,562	304—	24:	1,509,760
220—	1.	1,509,549		16:	1,509,094	244—	2	1,509,297		67.	1,509,811		169:	1,509,651	306—	19:	1,509,381

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abendroth Brothers, Port Chester, N. Y. Gas and coal ranges and stoves, etc. 189,942; Sept. 30; Serial No. 179,637; published July 1, 1924.

Aberdeen Creamery Company, Aberdeen, Miss. Butter. 189,897; Sept. 30; Serial No. 197,856; published July 29, 1924.

Aerobelle Company, Worcester, Mass. Shock absorbers. 189,828; Sept. 30; Serial No. 196,686; published July 22, 1924.

Alco-Gravure Incorporated, New York, N. Y. Newspaper supplements. 189,997; Sept. 30; Serial No. 195,935; published July 8, 1924.

Allen & Hendrickson Packing Co., Inc., Portland, Oreg. Canned beans, blackberries, and salmon. 189,845; Sept. 30; Serial No. 197,238; published July 29, 1924.

American Bleached Goods Company Inc., New York, N. Y. Cotton piece goods. 189,907; Sept. 30; Serial No. 176,938; published July 22, 1924.

American Stove Company, St. Louis, Mo. Wicks. 190,048; Sept. 30.

Anderson, Ira J., Truman, Minn. Soap. 189,977; Sept. 30; Serial No. 196,045; published July 22, 1924.

Anheuser-Busch, Inc., St. Louis, Mo. Corn sirup. 189,921; Sept. 30; Serial No. 192,053; published July 22, 1924.

Arnold Stone, Brick & Tile Co., Inc., Jacksonville, Fla. Artificial stone. 189,996; Sept. 30; Serial No. 195,998; published July 22, 1924.

Atlas Fluid Company, The. (See Miller, William.)

Auerbach, D., & Sons, New York, N. Y. Candy—namely, chocolates. 190,050; Sept. 30.

Aunt Mary's Pie Crust Company (Not Incorporated). (See Gardner, Mary G.)

Babcock, F. J., doing business as Babcock Laboratories, Chicago, Ill. Publication. 189,928; Sept. 30; Serial No. 196,565; published July 8, 1924.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 189,890–1; Sept. 30; Serial Nos. 181,629–30; published July 29, 1924.

Bankers Economic Service, Inc., New York, N. Y. Magazine or periodical. 190,007; Sept. 30; Serial No. 195,257; published July 22, 1924.

Barsa Corporation, The, New York, N. Y. Cotton piece goods. 189,866; Sept. 30; Serial No. 197,984; published July 22, 1924.

Beardmore & Co., Toronto, Ontario, Canada. Leather. 189,934; Sept. 30; Serial No. 154,912; published Mar. 25, 1924.

Belanger, Emil J., Duluth, Minn. Washing compound. 189,990; Sept. 30; Serial No. 196,228; published July 1, 1924.

Bellaun Hosiery Mills, Inc., New York, N. Y. Hosiery. 189,839; Sept. 30; Serial No. 196,568; published July 22, 1924.

Benson, Alexander R., to Alexander R. Benson Company, Inc., Hudson, N. Y., successors. Soldering salt 25,949; renewed Jan. 29, 1925.

Big Four Canning Co., Stanley, Wis. Canned peas and sauerkraut. 189,844; Sept. 30; Serial No. 197,356; published July 29, 1924.

Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 190,043; Sept. 30.

Blauner Bros. & Co., New York, N. Y. Ladies' and misses' coats and dresses. 189,937; Sept. 30; Serial No. 176,944; published July 22, 1924.

Bonded Products Corporation, New York, N. Y. Soap and soap products. 189,838; Sept. 30; Serial No. 196,571; published July 1, 1924.

Burger, Iwan, Inc., New York, N. Y. Canned sardines. 189,887–8; Sept. 30; Serial Nos. 197,414–15; published July 29, 1924.

California Sea Food Co. (See Rex, Max A.)

Carametos, John J. M., doing business as E. B. Candy Co., Chicago, Ill. Chocolate-coated peanut-candy cake. 189,859; Sept. 30; Serial No. 173,349; published July 29, 1924.

Carlson, Ray A., Chicago, Ill. Periodical publications. 190,000; Sept. 30; Serial No. 195,864; published July 22, 1924.

Casey, Paul S., doing business as Yeast Mineral Supply Co., Peoria, Ill. Feed. 190,025; Sept. 30; Serial No. 194,526; published July 8, 1924.

Chandler and Rudd Company, The, Cleveland, Ohio. Cheese and butter. 189,889; Sept. 30; Serial No. 146,524; published Nov. 13, 1923.

Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Periodical. 190,014; Sept. 30; Serial No. 191,223; published July 22, 1924.

Chesebro Brothers & Robbins, Inc., New York, N. Y. Smoked haddock. 189,852; Sept. 30; Serial No. 188,741; published June 17, 1924.

Chipman Knitting Mills, Easton, Pa. Hosiery. 190,016; Sept. 30; Serial No. 191,530; published July 22, 1924.

Citroën, André, Paris, France. Automobile vehicles and lorries. 190,030; Sept. 30.

Clem, George H., doing business as Clem Cream Works, Little Rock, Ark. Ice-cream preparation. 189,908; Sept. 30; Serial No. 177,165; published July 22, 1924.

Cluett, Peabody & Co. Inc., Troy, N. Y. Shirts. 190,044; Sept. 30.

Coca-Cola Company, The, Atlanta, Ga. Publications. 189,966; Sept. 30; Serial No. 197,657; published July 22, 1924.

Colman, J. & J.; J. & J. Colman, Limited, London, England, successor. Mustard and mustard products. 25,989; renewed Feb. 5, 1925.

Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Fibers for brooms and brushes. 190,008; Sept. 30; Serial No. 195,219; published July 1, 1924.

Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Fibers for brooms and brushes. 190,009; Sept. 30; Serial No. 195,217; published July 1, 1924.

Cone, Frederick H., New York, N. Y., assignor to J. H. Vavasseur & Company, Limited, London, England. Fibers for brooms and brushes. 190,029; Sept. 30; Serial No. 195,216; published July 1, 1924.

Corkstone Products Corp. (See Rankin, Albert I.)

Corn Products Refining Company, New York, N. Y. Cornstarch and brewers' grits. 189,972; Sept. 30; Serial No. 194,259; published July 22, 1924.

Corte Publishing Co., New York, N. Y. Magazine. 189,927; Sept. 30; Serial No. 195,742; published July 8, 1924.

Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's bed sheets. 189,821; Sept. 30; Serial No. 198,124; published July 22, 1924.

Crawford-Austin Manufacturing Co., Waco, Tex. Tents and tarpaulins. 190,033; Sept. 30.

Dairymen's League Co-operative Association, Inc., Utica, N. Y. Condensed and evaporated milk. 189,909; Sept. 30; Serial No. 179,363; published July 22, 1924.

Daniels, George G. (See Daniels, William H.)

Daniels, William H.; George G. Daniels, Ogdensburg, N. Y., successor. Crackers. 25,718; renewed Dec. 25, 1924.

Darcé, Coldon J., Jeanerette, La. Hand cleaner in paste form. 190,023; Sept. 30; Serial No. 194,165; published July 8, 1924.

Davis, Simon E., & Co., Inc., San Francisco, Calif. Hosiery and shirts. 190,024; Sept. 30; Serial No. 194,336; published July 22, 1924.

Deatel, George A., doing business as The Holland Maide Company, Baltimore, Md. Candy. 189,850; Sept. 30; Serial No. 193,994; published July 29, 1924.

Diamond Match Company, The, Chicago, Ill. 189,981; Sept. 30; Serial No. 196,583; published July 22, 1924.

Dr. Laboschin-Hageda Aktiengesellschaft Fabrik Chemische-Pharmaceutischer Präparate, Berlin, Germany. Organic food preparation. 189,878; Sept. 30; Serial No. 185,930; published July 22, 1924.

Doyle, James A., New York, N. Y. Woolen goods in the piece. 189,903; Sept. 30; Serial No. 150,062; published July 22, 1924.

Duluth Imperial Mill Company, assignor to Duluth Superior Milling Company, Duluth, Minn. Wheat flour. 25,984; renewed Feb. 5, 1925.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 189,820; Sept. 30; Serial No. 198,061; published July 22, 1924.

E. B. Candy Co. (See Carametos, John J. M.)

Earnshaw Sales Company, Chicago, Ill. Magazine. 189,930–1; Sept. 30; Serial Nos. 196,854–5; published July 8, 1924.

Elline's Incorporated, Milwaukee, Wis. Chocolate. 189,880; Sept. 30; Serial No. 198,294; published July 29, 1924.

Ely & Walker Dry Goods Company, St. Louis, Mo. Satin ribbons in the bolt. 189,876; Sept. 30; Serial No. 194,987; published July 22, 1924.

Essex Rubber Company, Inc., Trenton, N. J. Hoof pads. 190,051; Sept. 30.

Excelsior Varnish Works. (See Vick, Christian.)

Fair, The, Chicago, Ill. Gum-rubber aprons, rubber household gloves, etc. 189,940; Sept. 30; Serial No. 179,035; published July 22, 1924.

Fair, The, Chicago, Ill. Rubber household sheeting. 189,941; Sept. 30; Serial No. 179,036; published July 22, 1924.

Fawcett Publications, Robbinsdale, Minn. Publication. 189,992; Sept. 30; Serial No. 196,161; published July 8, 1924.

Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires. 189,830; Sept. 30; Serial No. 196,657; published July 22, 1924.

Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires and rubber tubes therefor. 189,831; Sept. 30; Serial No. 196,656; published July 22, 1924.

Fligel, Benjamin, doing business as Good Form Clothing Co., New York, N. Y. Raincoats and overcoats. 189,957; Sept. 30; Serial No. 197,142; published July 22, 1924.

Fox, Fontaine, New York, N. Y. Series of cartoons. 189,967; Sept. 30; Serial No. 197,740; published July 22, 1924.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 189,987; Sept. 30; Serial No. 197,744; published July 22, 1924.

Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 189,988; Sept. 30; Serial No. 197,750; published July 22, 1924.

Freund, Paul, Inc., New Orleans, La. Candy. 189,881; Sept. 30; Serial No. 198,177; published July 29, 1924.

Fried, Mendelson & Company, New York, N. Y. Silk and cotton piece goods and combinations thereof. 190,026; Sept. 30; Serial No. 194,533; published July 22, 1924.

Fritzsche Brothers, Inc., New York, N. Y. Flavoring extracts. 189,984; Sept. 30; Serial No. 197,143; published July 22, 1924.

Fun Shop, Inc., The, New York, N. Y. Title for newspaper column. 189,975; Sept. 30; Serial No. 195,879; published July 8, 1924.

Funke, Jos. B., Company, also doing business as The Jos. B. Funke Co. and Funke's, La Crosse, Wis. Candy. 189,843; Sept. 30; Serial No. 197,369; published July 29, 1924.

Garcia & Maggini Co., San Francisco, Calif. Fresh fruits and vegetables. 189,854; Sept. 30; Serial No. 182,300; published July 29, 1924.

Gardner, Mary G., doing business as Aunt Mary's Pie Crust Company (Not Incorporated), Evanston, Ill. Piecrust composition. 189,898; Sept. 30; Serial No. 197,930; published July 29, 1924.

Garland Hosiery Mills. (See Sarfert, Chas.)

Gas Utilities Corporation, Philadelphia, Pa. Automatic gas-fired boilers. 190,010; Sept. 30; Serial No. 189,972; published July 22, 1924.

General Motors Corporation, Detroit, Mich. Automobiles, motor vehicles, and parts thereof. 190,028; Sept. 30; Serial No. 195,057; published July 22, 1924.

Geneva Heater Company, Geneva, Ill. Water heaters. 190,036; Sept. 30.

Goldwasser, Benjamin, New York, N. Y. Ladies' wearing apparel. 189,939; Sept. 30; Serial No. 178,501; published Nov. 27, 1923.

Good Form Clothing Co. (See Fligel, Benjamin.)

Good Health Laboratories, Cleveland, Ohio. Medicine to be used as a blood purifier, appetizer, etc. 190,045; Sept. 30.

Greater Manhattan Knitting Mills, Inc., New York, N. Y. Sweaters. 189,826; Sept. 30; Serial No. 196,805; published July 22, 1924.

Greenebaum, Weil & Michels, San Francisco, Calif. Belts, suspenders, etc. 189,945; Sept. 30; Serial No. 185,018; published July 22, 1924.

Griffin Manufacturing Co. Inc., New York, N. Y. Cleaning fluid, shoe polishes, etc. 190,017; Sept. 30; Serial No. 192,378; published July 1, 1924.

Halbiter's Inc., Los Angeles, Calif. Coats, shirts, sweaters, hats, etc., for men and boys. 190,019; Sept. 30; Serial No. 193,169; published July 22, 1924.

Halperin, M. L., Brooklyn, N. Y. Artificial-silk piece goods. 189,870; Sept. 30; Serial No. 197,482; published July 22, 1924.

Harris & Frank, Los Angeles, Calif. Suits and coats. 189,832; Sept. 30; Serial No. 195,640; published July 22, 1924.

Hart Silk Company, San Francisco, Calif. Textiles in the piece. 189,873; Sept. 30; Serial No. 196,866; published July 22, 1924.

Heller, B., & Company, Chicago, Ill. Furniture polish. 190,049; Sept. 30.

Heller, B., & Company, Chicago, Ill. Imitation-lemon flavoring compound. 189,985; Sept. 30; Serial No. 197,539; published July 22, 1924.

Heller, B., & Company, Chicago, Ill. Imitation-orange flavoring compound. 189,986; Sept. 30; Serial No. 197,540; published July 22, 1924.

Hendee, George M., Suffield, Conn. Cattle and their dairy products, farm products, poultry and their products. 189,916; Sept. 30; Serial No. 186,904; published July 22, 1924.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Wicks, torches, heaters, ranges, cookstoves. 190,031; Sept. 30.

Hohlfeld Manufacturing Company, Philadelphia, Pa. Cloth towels of all sorts, wash rags, face cloths, etc. 189,874; Sept. 30; Serial No. 196,745; published July 22, 1924.

Holland Maide Company, The. (See Deatel, George A.)

Honolulu Fruit Company, Limited, Honolulu, Hawaii. Canned pineapple. 189,849; Sept. 30; Serial No. 195,398; published July 29, 1924.

Humboldt Milling Company, Humboldt, Tenn. Wheat flour. 189,899; Sept. 30; Serial No. 197,937; published July 29, 1924.

Independent Industries, Inc., Wilmington, Del., and New York, N. Y. Piece fabrics and ribbons. 189,973; Sept. 30; Serial No. 194,542; published July 22, 1924.

Iowa City Canning Co., Iowa City, Iowa. Canned corn. 189,853; Sept. 30; Serial No. 183,712; published July 29, 1924.

Irwin-Phillips Co., Keokuk, Iowa. Work coats, pants, overalls, shirts, etc. 190,006; Sept. 30; Serial No. 195,292; published July 22, 1924.

Jacob, H., & Sons, Inc., New York, N. Y. Sateen, cotton, and silk mixed piece goods and cotton piece goods. 189,970; Sept. 30; Serial No. 183,526; published Oct. 16, 1923.

Jacob, H., & Sons, Inc., New York, N. Y. Silk and cotton mixed piece goods, etc. 189,872; Sept. 30; Serial No. 196,871; published July 22, 1924.

Journal Company, The, Milwaukee, Wis. Newspaper. 190,012; Sept. 30; Serial No. 190,789; published July 22, 1924.

Kahn's, E., Sons Company, The, Cincinnati, Ohio. Fresh, pickled, smoked, and cured meats. 189,912; Sept. 30; Serial No. 182,348; published July 22, 1924.

Klauber Bros. & Co., New York, N. Y. Cotton piece goods. 189,948; Sept. 30; Serial No. 186,382; published July 22, 1924.

Kleinmark Company, The, Rochester, N. Y. Overcoats. 190,027; Sept. 30; Serial No. 194,544; published July 22, 1924.

Kommel, A., & Sons, New York, N. Y. Hosiery, underwear, gloves, corsets, etc. 190,013; Sept. 30; Serial No. 191,075; published July 22, 1924.

Kops Brothers, New York, N. Y. Corsets, brassières, and ladies' underwear. 189,952; Sept. 30; Serial No. 197,086; published July 22, 1924.

Kunst & Small Co., New York, N. Y. Wool, wool cloth, worsted and wool, and haircloth goods in the piece. 189,868; Sept. 30; Serial No. 197,669; published July 22, 1924.

La Choy Food Products, Detroit, Mich. Canned food products. 189,979; Sept. 30; Serial No. 196,392; published July 22, 1924.

Landau & Steinberg. (See Landau, Bernard.)

Landau, Bernard, doing business as Landau & Steinberg, New York, N. Y. Coats, vests, trousers, and overcoats for juveniles. 189,958; Sept. 30; Serial No. 197,158; published July 22, 1924.

Libby, McNeill & Libby, Chicago, Ill. Bacon, potted ham, dried beef, etc. 189,910; Sept. 30; Serial No. 179,477; published July 22, 1924.

Lieberman Specialty Company, Philadelphia, Pa. Ladies', misses', and girls' knickerbockers. 189,955; Sept. 30; Serial No. 197,093; published July 22, 1924.

Lieberman Specialty Company, Philadelphia, Pa. Men's and boys' riding breeches. 189,953; Sept. 30; Serial No. 197,090; published July 22, 1924.

Lieberman Specialty Company, Philadelphia, Pa. Women's, misses', and girls' riding or service breeches. 189,954; Sept. 30; Serial No. 197,092; published July 22, 1924.

Luverne Extract Company, Los Angeles, Calif. Food-flavoring extracts. 189,971; Sept. 30; Serial No. 193,936; published July 22, 1924.

Macy, R. H., & Co., Inc., New York, N. Y. Boys' suits. 189,938; Sept. 30; Serial No. 177,980; published July 22, 1924.

Magnolia Metal Company, New York, N. Y. Railroad brasses and journal boxes and metals therefor. 25,747; renewed Dec. 25, 1924.

Maltop, Inc., Buffalo, N. Y. Food drinks containing malt chocolate flavor. 189,976; Sept. 30; Serial No. 195,974; published July 22, 1924.

Margolyes, Robert L., New York, N. Y. Underwear. 190,022; Sept. 30; Serial No. 194,013; published July 22, 1924.

Markel, Howard, New York, N. Y. Heading for newspaper articles. 190,015; Sept. 30; Serial No. 191,441; published July 22, 1924.

Martoccio, F. A., Macaroni Co., Minneapolis, Minn. Candy bars. 189,885-6; Sept. 30; Serial Nos. 197,547-8; published July 29, 1924.

Maryland Agricultural Society—The Maryland Farm Bureau Federation, Baltimore, Md. Paper published twice every month. 189,837; Sept. 30; Serial No. 196,602; published July 8, 1924.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 189,814–19; Sept. 30; Serial Nos. 198,012–17; published July 22, 1924.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 189,860-1; Sept. 30; Serial Nos. 198,010–11; published July 22, 1924.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton blankets and cotton piece goods. 189,862–5; Sept. 30; Serial Nos. 198,005–8; published July 22, 1924.

Miami Valley Knitting Mills, Company, The, Hamilton, Ohio. Knit underwear. 189,956; Sept. 30; Serial No. 197,103; published July 22, 1924.

Mihm, Herman, Pittsburgh, Pa. Malt syrup for food purposes. 189,915; Sept. 30; Serial No. 185,484; published July 22, 1924.

Miles, Henry, Son's, Inc., Brooklyn, N. Y. Tiles. 190,035; Sept. 30.

Miller, William, doing business as The Atlas Fluid Company, Cincinnati, Ohio. Arterial wash. 190,047; Sept. 30.

Mills Brothers, Chicago, Ill. Fresh pineapples, grapefruit, and oranges. 189,858; Sept. 30; Serial No. 179,674; published May 20, 1924.

Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods. 189,913; Sept. 30; Serial No. 182,924; published July 22, 1924.

Model Brassiere Co. Inc., New York, N. Y. Undergarment for women. 189,995; Sept. 30; Serial No. 196,065; published July 22, 1924.

Moore, William R., Dry Goods Company, Memphis, Tenn. Sheetings, sheets, and pillowcases. 189,969; Sept. 30; Serial No. 197,950; published July 22, 1924.

Morotock Mfg. Co., Danville, Va. Men's suits. 189,825; Sept. 30; Serial No. 196,924; published July 22, 1924.

Morten Milling Company, Dallas, Tex. Wheat flour. 189,901; Sept. 30; Serial No. 198,195; published July 29, 1924.

Muffets Company, The. (See Perky, Scott H.)

Nairn Linoleum Company, The, Kearny, N. J. Inlaid linoleum. 189,840; Sept. 30; Serial No. 196,541; published June 24, 1924.

Namm, A. I., & Son, Brooklyn, N. Y. Clothing. 189,994; Sept. 30; Serial No. 196,069; published July 22, 1924.

Nevins, Herbert, doing business as H. Nevins Co., Peoria, Ill. Shoe dressing and auto top and carriage dressing. 190,021; Sept. 30; Serial No. 193,946; published July 1, 1924.

New York Auto and Radio Supply Co., Chicago, Ill. Automobile tires, tubes, valves, valve stems, etc. 189,991; Sept. 30; Serial No. 196,185; published July 22, 1924.

Nicholson-Feinberg, Inc., New York, N. Y. Hosiery. 189,836; Sept. 30; Serial No. 196,614; published July 22, 1924.

Oelwein Chemical Company. (See Rhine, Earl.)

Ohio State Stove & Mfg. Co., The, Columbus, Ohio. Gas heaters. 190,018; Sept. 30; Serial No. 192,467; published July 22, 1924.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous and deciduous fruits and nuts. 189,847–8; Sept. 30; Serial Nos. 196,187–8; published July 29, 1924.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrous and deciduous fruits, nuts, and fresh cantaloupes. 189,846; Sept. 30; Serial No. 196,189; published July 29, 1924.

Ortega, José M., Addlestone, Surrey, England. Crochet and knitting needles. 189,879; Sept. 30; Serial No. 180,026; published July 22, 1924.

Otis Company, Ware and Three Rivers, Mass. Cotton piece goods. 190,011; Sept. 30; Serial No. 190,352; published Apr. 15, 1924.

Pacific Coast Biscuit Company, Seattle, Wash. Soda crackers and biscuits. 189,857; Sept. 30; Serial No. 180,719; published July 22, 1924.

Pacific Novelty Company, New York, N. Y. Barrettes. 189,932; Sept. 30; Serial No. 197,899; published July 22, 1924.

Peerless Coffee Company, Oakland, Calif. Coffee. 189,904; Sept. 30; Serial No. 170,950; published July 22, 1924.

Peri-Lusta, Limited, Leek, England. Artificial-silk thread or yarn. 189,989; Sept. 30; Serial No. 198,027; published July 22, 1924.

Perky, Scott H., doing business as The Muffets Company, New York, N. Y. Biscuits and patty shells. 189,911; Sept. 30; Serial No. 179,680; published July 22, 1924.

Pittsburg Waterproof Company, Pittsburgh, Pa. Cotton duck. 189,919; Sept. 30; Serial No. 189,270; published July 22, 1924.

Pittsburgh Crushed Steel Company Limited; Pittsburgh Crushed Steel Company, Pittsburgh, Pa., successor. Steel abrasive material, rouge and putty powder. 25,974; renewed Feb. 5, 1925.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrons fruits. 189,867; Sept. 30; Serial No. 197,956; published July 29, 1924.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrous fruits. 189,882; Sept. 30; Serial No. 197,957; published July 29, 1924.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrous fruits. 189,883; Sept. 30; Serial No. 197,955; published July 29, 1924.

Plastergon Wall Board Co., Buffalo, N. Y. Wood-fiber wall board. 190,001–3; Sept. 30; Serial Nos. 195,711–13; published July 22, 1924.

Pohajda, Louis, Chicago, Ill. Malt extract for food purposes. 189,855; Sept. 30; Serial No. 180,887; published July 29, 1924.

Pollak Behrens & Company, New York, N. Y. Men's robes. 189,829; Sept. 30; Serial No. 196,674; published July 22, 1924.

Pomona Products Company, Griffin, Ga. Canned pimiento peppers. 189,856; Sept. 30; Serial No. 180,775; published July 29, 1924.

Pretz-Sticks Baking Company, Myerstown, Pa. Bakery products of a pretzellike nature. 189,896; Sept. 30; Serial No. 197,392; published July 29, 1924.

Price, William W., Washington, D. C. Title for articles for newspapers. 189,946; Sept. 30; Serial Nos. 185,720–1; published July 22, 1924.

Price, William W., Washington, D. C. Titles for articles for newspapers. 189,947; Sept. 30; Serial No. 185,721; published July 22, 1924.

Rankin, Albert L., doing business as Corkstone Products Corp., Baltimore, Md. Floor coating. 189,935; Sept. 30; Serial No. 170,448; published July 22, 1924.

Ray, Al., Co., Louisville, Ky. Bicycles. 189,960–1; Sept. 30; Serial Nos. 197,293–4; published July 22, 1924.

Remmers Soap Company, The, Cincinnati, Ohio. Soap. 189,905; Sept. 30; Serial No. 171,590; published July 22, 1924.

Remmers Soap Company, The, Cincinnati, Ohio. Soap. 189,993; Sept. 30; Serial No. 196,073; published July 8, 1924.

Rex, Max A., doing business as California Sea Food Co., Los Angeles, Calif. Canned tunny and sardines. 189,884; Sept. 30; Serial No. 197,907; published July 29, 1924.

Rhine, Earl, doing business as Oelwein Chemical Company, Oelwein, Iowa. Medicinal mineralized feed. 189,894; Sept. 30; Serial No. 196,762; published July 29, 1924.

Rhode Island Welding Co., Providence, R. I. Welding and metal-cutting equipment. 190,034; Sept. 30.

Richard, C. E., & Sons, Muscatine, Iowa. Lard, pigs' feet, bacon, etc. 189,936; Sept. 30; Serial No. 173,723; published May 13, 1924.

Riker Company, The, Newark, N. J. Belt buckles and buckles and clasps for shoes and slippers. 189,923; Sept. 30; Serial No. 179,056; published July 22, 1924.

Roanoke Apple Products Co., Roanoke, Va. Vinegar. 189,914; Sept. 30; Serial No. 184,517; published July 22, 1924.

Rojo Fabian & Co., New York, N. Y. Cotton and woolen piece goods. 189,871; Sept. 30; Serial No. 196,971; published July 22, 1924.

Rome Soap Mfg. Co., Rome, N. Y. Soap. 189,924; Sept. 30; Serial No. 184,103; published July 22, 1924.

Roubaix Mills, Inc., New York, N. Y., and Clinton, Mass. Wool piece goods. 189,822; Sept. 30; Serial No. 198,154; published July 22, 1924.

Rowe & Giles Lumber Co., The, Chagrin Falls, Ohio. Garage doors. 189,824; Sept. 30; Serial No. 196,973; published July 22, 1924.

S & S Novelty Company, The. (See Sampliner, Henry S.)

Sampliner, Henry S., doing business as The S & S Novelty Company, Cleveland, Ohio. Table mats. 189,920; Sept. 30; Serial No. 189,918; published July 22, 1924.

Sarfert, Chas., doing business as Garland Hosiery Mills, Philadelphia, Pa. Infants' and children's stockings. 189,823; Sept. 30; Serial No. 197,052; published July 22, 1924.

Scarlett, Wm. G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Clover, grass, field, and forage seeds. 189,943; Sept. 30; Serial No. 181,498; published July 22, 1924.

Schleisner, Solomon, doing business as Schleisner Co., Baltimore, Md. Hosiery. 189,827; Sept. 30; Serial No. 196,766; published July 22, 1924.

Scholl Bros., Houston, Tex. Salad dressing. 189,906; Sept. 30; Serial No. 175,327; published July 22, 1924.

Security Mills, Knoxville, Tenn. Horse, dairy, and scratch feed. 189,892; Sept. 30; Serial No. 192,221; published July 29, 1924.

Seelye, Alfred B., Abilene, Kans. Certain named medicines and flavoring extracts. 25,108; renewed Aug. 7, 1924.

Sego Milk Products Company, Salt Lake City, Utah. Monthly publication. 189,926; Sept. 30; Serial No. 195,418; published July 22, 1924.

Sherwood, Peter V., New York, N. Y. Knitted underwear and hosiery. 189,949; Sept. 30; Serial No. 186,528; published July 22, 1924.

Shumway, Hawk & Thomas, Tulsa, Okla. Ice cream. 189,974; Sept. 30; Serial No. 194,820; published July 22, 1924.

Siegel Bros. & Burnstine, New York, N. Y. Coats and suits. 189,835; Sept. 30; Serial No. 196,624; published July 22, 1924.

Silberman Bros., Inc., Jersey City, N. J. Cheese. 189,893; Sept. 30; Serial No. 194,739; published July 29, 1924.

Simpson, Fred W., Chicago, Ill. Stock and poultry feed. 189,895; Sept. 30; Serial No. 196,829; published July 29, 1924.

Sitroux Importing Co. Inc., New York, N. Y. Hair nets. 189,869; Sept. 30; Serial No. 197,564; published July 22, 1924.

Societe Commandite Chome & Cie., Lille, France. Toilet soaps. 189,980; Sept. 30; Serial No. 196,482; published July 22, 1924.

Solvay Process Company, The, Solvay, N. Y. Chemical cleansing and washing compounds. 189,925; Sept. 30; Serial No. 194,823; published July 22, 1924.

Solvay Process Company, The, Solvay, N. Y. Soda ash. 189,968; Sept. 30; Serial No. 197,840; published July 22, 1924.

Southern Beverage Company, Galveston, Tex. Flavors for foods. 189,983; Sept. 30; Serial No. 196,939; published July 22, 1924.

Spitz, Alfred, New York, N. Y. Preparation for cleaning and polishing wood. 25,978; renewed Feb. 5, 1925.

Stahlbaum, Rolf E., San Francisco, Calif. Canned fruit. 189,851; Sept. 30; Serial No. 191,987; published July 29, 1924.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Asphaltic compound for the manufacture of automobile tires, etc. 189,834; Sept. 30; Serial No. 196,629; published July 22, 1924.

Standard Oil Company (New Jersey), Bayonne, N. J. Hydrocarbon detergent. 190,020; Sept. 30; Serial No. 193,423; published July 1, 1924.

Stark Bros. Nurseries & Orchards Co., Louisiana, Mo. Quince trees. 26,108; renewed Feb. 26, 1925.

Stark Bros. Nurseries & Orchards Co., Louisiana, Mo. Plum trees. 26,109; renewed Feb. 26, 1925.

Stein, S., and Cos, New York, N. Y. Woolen goods. 189,875; Sept. 30; Serial No. 196,354; published July 22, 1924.

Stein, S., & Co., New York, N. Y. Woolen cloths in the piece. 190,037; Sept. 30.

Sterling Tire Corporation, Rutherford, N. J. Pneumatic tires. 190,032; Sept. 30.

Stoom, N. V., Chocolade & Cacaofabriek "Kwatta," Breda, Netherlands. Cocoa. 189,877; Sept. 30; Serial No. 187,699; published July 29, 1924.

Strook, S., & Company, Inc., New York, N. Y. Fabric in the piece. 189,917–18; Sept. 30; Serial Nos. 188,038–9; published July 22, 1924.

Sunray Stove Company, The, Delaware, Ohio. Gas stoves and ranges. 189,999; Sept. 30; Serial No. 195,922; published July 8, 1924.

Sunset Paint Company, Los Angeles, Calif. Paints, enamels, varnishes, etc. 189,922; Sept. 30; Serial No. 192,442; published July 1, 1924.

Terry Textile Corporation, New York, N. Y. Waterproof sheeting. 190,004; Sept. 30; Serial No. 195,663; published July 1, 1924.

Thibodeau, A. F., Company, Inc., Detroit, Mich. Butter. 189,902; Sept. 30; Serial No. 198,485; published July 29, 1924.

Time-O-Stat Corporation, Milwaukee, Wis. Pilot-light controls and igniting devices for burners. 189,998; Sept. 30; Serial No. 195,924; published July 22, 1924.

Tribune Company, The, Chicago, Ill. Series of cartoons. 189,962; Sept. 30; Serial No. 197,507; published July 22, 1924.

Tribune Company, The, Chicago, Ill. Series of cartoons. 189,963–5; Sept. 30; Serial Nos. 197,514–16; published July 22, 1924.

United Last Company, Auburn, Me., and Boston, Mass. Educational device adapted to exhibit shoe sizes. 189,841; Sept 30; Serial No. 196,414; published July 22, 1924.

Universal Milk Company, The, Dover, Del. Evaporated skimmed milk. 189,978; Sept. 30; Serial No. 196,357; published July 22, 1924.

Upson Company, The, Lockport, N. Y. Artificial lumber. 189,933; Sept. 30; Serial No. 191,439; published July 22, 1924.

Van der Bom, Frans, New York, N. Y. Postage stamps for collectors. 189,833; Sept. 30; Serial No. 196,631; published July 22, 1924.

Vavasseur, J. H., & Company. (See Cone, Frederick H., assignor.)

Vick, Christian, doing business as Excelsior Varnish Works, Cleveland, Ohio. Varnishes, stains, fillers, paint enamels, paints. 190,046; Sept. 30.

Victor Buyers' Commodity Service, Inc., Boston, Mass. Weekly commodity market publication. 189,950; Sept. 30; Serial No. 188,287; published July 22, 1924.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Men's, boys', women's, misses', and children's suits, dresses, etc. 189,842; Sept. 30; Serial No. 196,280; published July 22, 1924.

Weil & Jacobs, Inc., New York, N. Y. Hosiery, underwear, and fabric gloves. 189,944; Sept. 30; Serial No. 184,535; published July 22, 1924.

Weil's Clothing Corporation, Kansas City, Mo. Ready-made men's and boys' clothing. 189,959; Sept. 30; Serial No. 197,180; published July 22, 1924.

Williams, J. B., Company, The, Glastonbury, Conn. Shaving soap. 25,353; renewed Oct. 16, 1924.

Williams Oven Mfg. Co., New York, N. Y. Bakers' ovens. 189,951; Sept. 30; Serial No. 174,872; published July 22, 1924.

Wilmar Manufacturing Company, Philadelphia, Pa. Peanut butter. 189,982; Sept. 30; Serial No. 196,843; published July 22, 1924.

Woolley, Daniel P., New York, N. Y. Bread. 190,038–42; Sept. 30.

Wyman, Partridge & Co., Minneapolis, Minn. Ladies' vests, bloomers, chemises, etc. 190,005; Sept. 30; Serial No. 195,429; published July 22, 1924.

Yoast Mineral Supply Co. (See Casey, Paul S.)

Zorn's, Mrs., Junior Club Sandwiches, Richmond, Va. Sandwiches. 189,999; Sept. 30; Serial No. 197,978; published July 29, 1924.

Zucker Sons Co., Inc., Elizabeth, N. J. Metal-polishing rouge. 189,929; Sept. 30; Serial No. 196,844; published July 22, 1924.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Allsopp Brothers, Newark, N. J. Rings, cuff links, chains, etc. 199,739; Sept. 30.

Alsa S. A., Basel, Switzerland. Thread. 199,028; Sept. 30.

Amdur, M., & Son, New York, N. Y. Men's and boys' clothing and children's coats and suits. 198,495; Sept. 30.

Amdur, M., & Son, New York, N. Y. Coats and suits. 199,029; Sept. 30.

Amend, Fred W., Co., Chicago, Ill. Candy. 200,028; Sept. 30.

American Blue Stone Co., Warsaw and New York, N. Y. Bluestone treads, stair landings, etc. 198,277; Sept. 30.

American Briquet Company, The, Philadelphia, Pa. Coal briquets. 201,482; Sept. 30.

American Cord Twine Corporation, Boston, Mass. Clothes-lines. 200,304; Sept. 30.

American Tripoli Company, Seneca, Mo. Tripoli flour (ground Tripoli stone). 200,171; Sept. 30.

Apex Electric Mfg. Co., Chicago, Ill. Radio receiving sets and parts thereof. 199,338; Sept. 30.

Appleton Company, Lowell, Mass. Cotton piece goods. 201,275; Sept. 30.

Art Craft Fixture Co., Newark, N. J. Lighting fixtures. 195,855; Sept. 30.

Atlas Lumnite Cement Company, The, Baltimore, Md., and New York, N. Y. Cement. 200,702; Sept. 30.

Auto Parts Company. (See Frank, H. G. John.)

Aycock Hosiery Mills, South Pittsburg, Tenn. Hosiery. 200,351; Sept. 30.

Baier, William F., doing business as William F. Baier Manufacturing Company, St. Paul, Minn. Salve. 200,238; Sept. 30.

Bailly, Amour, Paris, France. Remedy for neglected colds, catarrh, etc. 200,704; Sept. 30.

Baker, Clara B., Colorado Springs, Colo. Confections. 199,971; Sept. 30.

Bath, John, & Company, Inc., Worcester, Mass. Taps and dies. 200,239; Sept. 30.

Bean Ideal Company, The. (See Morrow, Ida H.)

Berlingieri, Raffaele G., New York, N. Y. Testing instrument for woolen and silken materials. 200,606; Sept. 30.

Biggar-Padgett Company, Fort Myers, Fla. Vegetables. 199,929; Sept. 30.

Bloomberg Millinery Co., Inc., Richmond, Va. Ladies' hats. 200,242; Sept. 30.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 201,388; Sept. 30.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 199,527; Sept. 30.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,529; Sept. 30.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 199,531; Sept. 30.

Bradford Dyeing Association, (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 199,536; Sept. 30.

Bradley, Smith Co., The, New Haven, Conn. Hard-boiled candy on stick or peg. 199,674; Sept. 30.

Brown & Bigelow, St. Paul, Minn. Greeting and mailing cards, newspaper publications, booklets. 196,574; Sept. 30.

Brownley's, Inc., Washington, D. C. Fudge. 197,002–12; Sept. 30.

Bunte Brothers, Chicago, Ill. Candy. 201,390; Sept. 30.

Burglund, Benjamin N., assignor to Radex Company, Inc., Seattle, Wash. Electrical therapeutical appliances. 200,634; Sept. 30.

C. M. S., Inc., Tarrytown, N. Y. Electrical heating apparatus. 198,986; Sept. 30.

Callero & Mencacci, Brooklyn, N. Y. Olive oil. 196,691; Sept. 30.

Calcin Drug Company. (See Hinckley, Frank H.)

Callahan & Sons, Louisville, Ky. Oats and stock foods. 199,878; Sept. 30.

Capriata, H. D., New York, N. Y. Olive oil. 170,179; Sept. 30.

Caraméros, George D., El Paso, Tex. Candy. 198,932–3; Sept. 30.

Carlo Fabbricotti e B. Fabbricotti e Figli, Carrara, Italy. Marble and stone. 197,473–6; Sept. 30.

Carrier Construction Company, Inc., Newark, N. J. Tubular radiators or heaters. 201,176; Sept. 30.

Cashmere Skookum Growers, Cashmere, Wash. Fresh apples and pears. 193,897; Sept. 30.

Central Lumber & Coal Company, Dubuque, Iowa. Coal. 201,740; Sept. 30.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chief Manufacturing Company, Indianapolis, Ind. Fluff-rug-making machines, variable-speed pulleys, etc. 185,243; Sept. 30.

Christensen, John, St. Paul, Minn. Waterproof aprons. 198,288; Sept. 30.

Churchill, O. H., Co., Los Angeles, Calif. Fresh grapes. 201,329; Sept. 30.

Cinderella Hat Co., Inc., New York, N. Y. Hats. 198,115; Sept. 30.

Claflin's Incorporated, New York, N. Y. Bleached cotton piece goods. 176,719; Sept. 30.

Colorado Milling & Elevator Company, The, Denver, doing business as The Model Flour Mills, Greeley, Colo. Wheat flour. 200,864; Sept. 30.

Conlon Corporation, Cicero, Ill. Electric clothes washers. 200,750; Sept. 30.

Converse Rubber Shoe Co., Malden, Mass. Rubber boots. 200,182; Sept. 30.

Converse Rubber Shoe Co., Malden, Mass. Rubber boots. 200,191; Sept. 30.

Converse Rubber Shoe Co., Malden, Mass. Shoes. 200,190; Sept. 30.

Converse Rubber Shoe Co., Malden, Mass. Shoes made with canvas tops and rubber soles. 200,185–7; Sept. 30.

Cored Bar Corporation, The, Buffalo, N. Y. Cored and solid bars. 191,367; Sept. 30.

Crisp Packing Company, Incorporated, Petersburg, Va. Candy. 201,393; Sept. 30.

Croft, Arthur C., Kansas City, Mo. Chocolates and candies. 201,225; Sept. 30.

Daly, John J., Boston, Mass. Shoes. 200,136; Sept. 30.

Danville Wholesale Grocery Co., Danville, Ill. Canned vegetables and fruit. 173,408; Sept. 30.

Danziger-Jones, Inc., New York, N. Y. Resistances for radio receiving and other circuits. 199,153; Sept. 30.

Dayton Pump & Manufacturing Co., The, Dayton, Ohio. Pumps, water systems, and tanks for said systems. 200,751; Sept. 30.

Dearmin, Walter T., doing business as Dearmin & Company, Odon, Ind. Dressed poultry and eggs. 200,138; Sept. 30.

Deca-Disc Phonograph Company, Waynesboro, Pa. Phonographs. 200,615; Sept. 30.

Denver Leather Co., The, Denver, Colo. Leather. 197,420; Sept. 30.

Detroit Commerce Company, Detroit, Mich. Canned evaporated and condensed milk. 193,995; Sept. 30.

Doddridge, Claude W., doing business as Killingsworth Avenue Drug Company, Portland, Oreg. Laxative tablets. 201,080; Sept. 30.

Dolbeau, A. C., jr., Inc., Hoboken, N. J. Wall paper. 200,867–8; Sept. 30.

Dolge, C. B., Company, The, doing business as The C. B. Dolge Company, Westport, Conn. Preparation for cleaning walls, etc. 201,187; Sept. 30.

Dvorkin Bros., New York, N. Y. Men's and young men's suits and topcoats. 199,978; Sept. 30.

Eads, William H., Bristol, Va. Confection. 168,759; Sept. 30.

Earl Pencil Company, New York, N. Y. Pencils and penholders. 200,753; Sept. 30.

Ean, Marjorie W., doing business as Witch Mitt Company, New York, N. Y. Chemically-treated gauze mitt. 198,795; Sept. 30.

Eaton Axle & Spring Company, Cleveland, Ohio. Automobile bumpers and bumper fittings. 185,964; Sept. 30.

Eclat Rubber Company, The, Cuyahoga Falls, Ohio. Rubber tires. 201,656; Sept. 30.

Economics Laboratory, Incorporated, St. Paul, Minn. Cleaning compound for rugs, carpets, and the like. 189,769; Sept. 30.

Ellicottville Scale Removing Corporation, Ellicottville, N. Y. Boiler cleaning and scale-removing compounds. 200,437; Sept. 30.

Enstace Miles Foods (1921) Limited, London, England. Prepared food. 198,322; Sept. 30.

Fashion Wear Shirt Company, Cincinnati, Ohio. Work, negligee, and dress shirts. 199,836; Sept. 30.

Ferbeck, Henry, San Francisco, Calif. Polishing cloth for gold, silver, brass, etc. 198,998; Sept. 30.

Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tubes. 200,932; Sept. 30.

Fitler, Edwin H., Company, The, Philadelphia, Pa. Manila rope and cable. 199,747; Sept. 30.

Fox Trading Company, Inc., New York, N. Y. Animal skins. 201,082; Sept. 30.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Speedometers and air and oil pressure gauges. 193,225; Sept. 30.

Frank, H. G. John, doing business as Auto Parts Company, Houston, Tex. Vehicle axles and wheels, automobile radiators, etc. 193,222; Sept. 30.

Fruitfrost Corporation, The, New York, N. Y. Fruit flavors. 191,480; Sept. 30.

Gardner Governor Company, The, Quincy, Ill. Speed and pressure regulators, pumps, etc. 199,780; Sept. 30.

Gas-O-Pep Laboratories. (See Mills, Frederick R.)

General Motors Corporation, Detroit, Mich. Motor-driven trucks. 201,341; Sept. 30.

Gilinsky, S. E., Omaha, Nebr. Fresh apples. 178,176; Sept. 30.

Ginter, Matthew J., Minneapolis, Minn. Cereal breakfast foods. 198,232; Sept. 30.

Golden Nugget Sweets. (See Olsen, Andrew, jr.)

Goldie, Louisa M., doing business as Goldie, Wade & Goldie, Mansfield, England. Hose and half hose. 199,111; Sept. 30.

Goldstein, S., Bros., New York, N. Y. Men's felt hats. 199,471; Sept. 30.

Gott-Evans Co. Inc., New York, N. Y. Strings for violins and similar musical instruments. 200,491; Sept. 30.

Gorham Manufacturing Company, Providence, R. I. Electric lamps and electroliers. 152,247; Sept. 30.

Grady Mfg. Co., The, Long Island City, N. Y. Metal polishes. 200,441; Sept. 30.

Gram Headwear Mfg. Co., St. Louis, Mo. Capes, coats, etc. 166,069; Sept. 30.

Great American Stores Co., The, Chicago, Ill. Evaporated milk, canned vegetables, wheat flour. 193,919; Sept. 30.

Gritzner & Ditzel, Chicago, Ill. Sweetmeats. 131,367; Sept. 30.

Grocers' Magazine Company. (See Pillsbury, Edwin B.)

Gruen Watch Company, The, Cincinnati, Ohio. Watch-cases, watches, and parts thereof. 200,761; Sept. 30.

Guerlain Perfumery Corporation, Wilmington, Del. Perfumes, eau de Cologne, bath salts, etc. 199,163; Sept. 30.

Hamilton, Carol F., doing business as The Ride Air Company, Los Angeles, Calif. Inserts for leaf springs of motor vehicles. 200,935; Sept. 30.

Hanley, S. M., & Co., New York, N. Y. Knit underwear and hosiery. 199,783; Sept. 30.

Haram, S. A., & Co., Inc., new York, N. Y. Bread. 198,636; Sept. 30.

Harney, Gerald B., Los Angeles, Calif. Motion-picture films. 184,853; Sept. 30.

Heide, Henry, Inc., New York, N. Y. Candy. 191,484; Sept. 30.

Heineman, H. M., Sons, San Francisco, Calif. Men's neckties and scarfs. 163,932; Sept. 30.

Hinckley, Frank H., doing business as Calcin Drug Company, New York, N. Y. Tonic. 200,545; Sept. 30.

Hobert Stone Company, The, Cleveland, Ohio. Overalls. 199,619; Sept. 30.

Hoffman, S. L., doing business as S. L. Hoffman & Co., New York, N. Y. Dresses. 189,249; Sept. 30.

Holton, Albert M., doing business as Nu-Life Food Co., Minneapolis, Minn. Cereal breakfast food and pan cake flour. 160,550; Sept. 30.

Hoyt Heater Company, Vernon, Calif. Water heaters. 201,240; Sept. 30.

Ide, Geo. P., & Co. Inc., Troy, N. Y. Men's underwear. 201,451; Sept. 30.

Industria Chimica Lugano J. Spohr. (See Spohr, J.)

Ingraham, E., Company, The, Bristol, Conn. Clocks. 200,560; Sept. 30.

International Guide Publishing Co., Minneapolis, Minn. Route guide books. 200,449; Sept. 30.

International Magazine Company, Inc., New York, N. Y. Monthly magazine. 199,751; Sept. 30.

Iron Closet Bend Co., Morristown, N. J. Plumbing-pipe connections. 200,682; Sept. 23.

Jackie-Klothes, Inc., Brooklyn, N. Y. Boys' middy suits, blouses, pants, etc. 200,499; Sept. 30.

Jacobson Brothers, Pittsburgh, Pa. Men's trousers, pants, overalls, and overall jackets. 199,703; Sept. 30.

Janay Manufacturing Company, The, Cleveland, Ohio. Bleaching cream. 200,260; Sept. 30.

Janszen Grocery Company, The, Cincinnati, Ohio. Coffee, canned apples, dried prunes, and food-flavoring extracts. 198,640; Sept. 30.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 199,628; Sept. 30.

Jelf, A. M., Manufacturing Co., Lexington, Ky. Lingerie, kimonos, and wash dresses. 183,574; Sept. 30.

Johansen Bros. Shoe Company, St. Louis, Mo. Shoes. 199,355; Sept. 30.

Johnson, Scott W., doing business as Pure Drug Products Co., Cincinnati, Ohio. Preparation for bronchitis, pneumonia, etc. 197,760; Sept. 30.

Kastens, Henry, New York, N. Y. Dating stamps. 200,500; Sept. 30.

Kauffman, Henry, Bayonne, N. J. Publications. 190,019; Sept. 30.

Keene-Belvidere Canning Company, Belvidere, Ill. Canned peas and corn. 199,360; Sept. 30.

Keystone Cooperative Grape Association, North East, Pa. Fresh grapes. 195,065; Sept. 30.

Kibbe Brothers Company, Springfield, Mass. Candies, chocolate-coated nuts, candied popcorn, etc. 200,322; Sept. 30.

Killark Elec. Mfg. Co., St. Louis, Mo. Transformers. 200,561; Sept. 30.

Killingsworth Avenue Drug Company. (See Doddridge, Claude W.)

Kleinschmidt Magnesia Co., New York, N. Y. Citrate-magnesia solutions. 200,266; Sept. 30.

Kreis, John A., doing business as Riverside Poultry Farm, Knoxville, Tenn. Live chicks and chickens, eggs and hatching eggs. 193,840; Sept. 30.

Kunin-Solomon, Inc., New York, N. Y. Underwear. 198,528; Sept. 30.
Lang Knitting Mills, Inc., New York, N. Y. Knitted silk fabrics. 200,995-6; Sept. 30.
Lang Knitting Mills, Inc., New York, N. Y. Knitted silk fabrics. 200,998; Sept. 30.
Laurent, Anselme, Lyon, France. Machinery packing. 201,457; Sept. 30.
Laurenzana, Frank P., Chicago, Ill. Preparation for the treatment of leucorrhea. 200,628; Sept. 30.
Lavino, E. J., and Company, Philadelphia, Pa. Chrome ore. 201,759; Sept. 30.
Lavino, E. J., and Company, Philadelphia, Pa. Chrome ore. 201,761; Sept. 30.
Lavy, Chs., & Co., Hamburg, Germany. Rugs, tie cloth in the piece, shawls and scarfs used as draperies, table linen, tablecloths. 191,328; Sept. 30.
Lavy, Chs., & Co., Hamburg, Germany. Rugs, tie cloth in the piece, shawls and scarfs used as draperies, table linens, tablecloths. 191,633; Sept. 30.
Lebers, Ernest, New York, N. Y. Eggs. 201,246; Sept. 30.
Lederer, Herbert B., Corp., New York, N. Y. Cotton piece goods. 200,501; Sept. 30.
Levi, H., & Co., Kansas City, Mo. Underwear, hosiery, and work clothing. 156,967; Sept. 30.
Lichten, Harold, doing business as Triple-Wear Hosiery Mills, Philadelphia, Pa. Ladies' hosiery. 200,454; Sept. 30.
Long, Herbert C., San Francisco, Calif. Table sirups. 198,319; Sept. 30.
Lowden, Harry O., as executor of the last will of George W. Lowden, deceased, Savannah, Ga. Canned oysters. 194,724; Sept. 30.
Lucas, Louis, Co., Inc., Jamestown, N. Y. Incense. 200,685; Sept. 30.
Macy, R. H., & Co., Inc., New York, N. Y. Dress s. 200,334; Sept. 30.
Maghee Chemical Corporation, Lander, Wyo. Medicinal preparation for epilepsy. 201,038; Sept. 30.
Malloch Knitting Mills, Grand Rapids, Mich. Hosiery. 200,629; Sept. 30.
Manges, Simon, & Son, Inc., New York, N. Y. Floorings. 201,149; Sept. 30.
Mattmann, A. S., New York, N. Y. Shirts, dresses, hats, etc. 200,210; Sept. 30.
Meador and Young, Nashville, Tenn. Coal. 200,890; Sept. 30.
Meaker, C. G., Co., Inc., Auburn, N. Y. Salad dressing. 200,055; Sept. 30.
Medal Brick & Tile Co., The, Cleveland, Ohio. Brick. 200,210; Sept. 30.
Mesh, Rosa, doing business as Mesh Singing Machine Company, Cincinnati, Ohio. Phonographs. 150,075; Sept. 30.
Michigan Elevator Exchange, Lansing, Mich. Beans. 197,493; Sept. 30.
Miles, Eustace H., London, England. Extract from plant substances. 197,104; Sept. 30.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Carbon papers. 200,457; Sept. 30.
Mills, Frederick R., doing business as Gas-O-Pep Laboratories, Detroit, Mich. Chemical composition to be added to liquid fuel to increase efficiency and to reduce carbon. 200,956; Sept. 30.
Model Flour Mills, The. (See Colorado Milling & Elevator Company.)
Morrow, Ida H., doing business as The Beau Ideal Company, Clarksville, Tenn. Shampoo. 200,574; Sept. 30.
Morse, C. C., & Co., San Francisco, Calif. Grass seed. 201,574; Sept. 30.
Moser Paper Company, Chicago, Ill. Enameled book papers. 200,893; Sept. 30.
Munro, Harold W., Providence, R. I. Pins, emblems, finger rings, etc. 199,289; Sept. 30.
National Department Stores, Inc., New York, N. Y. Umbrellas. 200,515; Sept. 30.
National Trading Company, Chicago, Ill. Combination veil and hair nets and veils and hair nets made from natural hair. 197,442; Sept. 30.
Nellis, F. E., & Company, Chicago, Ill. Fresh apples, cantaloupes, oranges, etc. 169,555; Sept. 30.
Newell, Geo. R., & Co., Minneapolis, Minn. Roasted coffee. 196,609; Sept. 30.
Nicholls Grain & Milling Co., Los Angeles, Calif. Livestock feeds, cereals, flours. 199,758; Sept. 30.
Nicolao Lazzoni e Figlio, Carrara, Italy. Marble and stone. 197,490; Sept. 30.
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Fancy durum flour. 197,538; Sept. 30.
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Semolina, a durum wheat product. 195,593; Sept. 30.
Northern Jobbing Company, Chicago, Ill. Water softener and cleanser. 200,959; Sept. 30.
Nu-Life Food Co. (See Holton, Albert M.)
Olsen, Andrew, jr., doing business as Golden Nugget Sweets, San Francisco, Calif. Fudge candy. 172,344; Sept. 30.
"Onyx" Hosiery Inc., New York, N. Y. Underhose. 199,568; Sept. 30.
Ostino, Giuseppe, doing business as Ostino & Bertagna, Chieri, Italy. Blankets and spreads. 193,675; Sept. 30.
Palmer Candy Co., Sioux City, Iowa. Candy. 147,121; Sept. 30.
Palmer Institute of Authorship, Hollywood, Calif. Prints and publications. 199,717; Sept. 30.
Paxson, J. W., Co., Philadelphia, Pa. Foundry equipment and supplies. 195,123-4; Sept. 30.
Penn Leather Company, Philadelphia, Pa. Hides, skins, and leather. 199,760; Sept. 30.
Perrin, V., & Cie., Grenoble, France, and New York, N. Y. Leather goods. 194,942; Sept. 30.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 200,115; Sept. 30.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Lifting jacks. 135,900; Sept. 30.
Pillsbury, Edwin B., doing business as Grocers' Magazine Company, Boston, Mass. Monthly magazine. 200,057; Sept. 30.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 173,380; Sept. 30.
Plimpton, Howard E., doing business as H. E. Plimpton Manufacturing Co., Walpole, Mass. Laundry cases, school and commercial bags. 200,579; Sept. 30.
Pocono Rubber Cloth Company, Trenton, N. J. Waterproofed fabrics and rubberized fabrics. 201,510; Sept. 30.
Pollack Weeks Company, Inc., New York, N. Y. Swedish health bread. 200,828; Sept. 30.
Press, Wells H., Company, Inc., Streator, Ill. Clothes or laundry washing machines. 185,794; Sept. 30.
Pure Drug Products Co. (See Johnson, Scott W.)
Puritan Dairy, Inc., Perth Amboy, N. J. Fresh milk and cream. 197,169; Sept. 30.
Putnam, Dr. (See Williams, Alonzo G.)
Quaker Oil Products Corporation, Conshohocken, Pa. Oleaginous preparation. 201,012; Sept. 30.
Radex Company, Inc. (See Burglund, Benjamin N., assignor.)
Redu Chemical Company. (See Zumpft, Robert K.)
Richards, Melvin C., Chicago, Ill. Cartoons. 200,281; Sept. 30.
Ride Air Company, The. (See Hamilton, Carol F.)
Rite Form Corset Co. Inc., The, New York, N. Y. Corsets and brassières. 200,341; Sept. 30.
Riverside Boiler Works, Inc., Cambridge, Mass. Automatic hot-water storage system. 198,722; Sept. 30.
Riverside Poultry Farm. (See Kreis, John A.)
Royal Blue Stores, Inc., Chicago, Ill. Canned goods, spices, tea, coffee, etc. 194,488; Sept. 30.
Royal Milling Company, Nashville, Tenn. Flour. 197,962; Sept. 30.
Rudofker's, S., Sons, Philadelphia, Pa. Evening dress suits. 200,407; Sept. 30.
Sandberg & Zener Inc., New York, N. Y. Hats. 199,648; Sept. 30.
Sanitary Company of America, Philadelphia, Pa. Adjustable boiler stands. 201,013; Sept. 30.
Schering & Glatz, Inc., New York, N. Y. Analgesics, anesthetics, anodynes, etc. 200,523; Sept. 30.
Schlorer Delicatessen Co., Inc., The, Philadelphia, Pa. Salad dressing. 200,157; Sept. 30.
Schmidt, Carl E., and Company, Inc., Detroit, Mich. Leather. 201,719; Sept. 30.
Scholl Manufacturing Company, Inc., Chicago, Ill. Hosiery. 201,467; Sept. 30.
Schulze, Paul, Biscuit Co., Chicago, Ill. Cookies, cakes, crackers, and biscuits. 199,649; Sept. 30.
Schulze, Paul, Biscuit Co., Chicago, Ill. Crackers, biscuits, confections, etc. 200,968; Sept. 30.
Schumacher Wall Board Corporation, Wilmington, Del., and Los Angeles, Calif. Plaster board. 199,394; Sept. 30.
Scott Logan Milling Co., Sheldon, Iowa. Wheat flour. 200,902; Sept. 30.
Scott, Rufus W., Company, New York, N. Y. Hosiery. 199,575; Sept. 30.
Semken, H., & Co., Inc., New York, N. Y. Eggs. 200,645; Sept. 30.
Shapinsky, S., & Company, Louisville, Ky. Hosiery. 199,189; Sept. 30.
Sheftelman, David, doing business as Sunrise Chemical Co., Stroudsburg, Pa. Headache, neuralgia, and pain relief. 200,525; Sept. 30.
Sherwin-Williams Company, Cleveland, Ohio. Insecticides, fungicides, germicides. 200,527; Sept. 30.
Sinclair, T. M., & Co., Ltd., Cedar Rapids, Iowa. Butter. 201,379; Sept. 30.
Skimit Mfg. Co., Oskaloosa, Iowa. Cream siphoners. 200,229; Sept. 30.
Sludge Flux Manufacturing Company. (See Way, Lewis A.)
Smith, James P., & Company, New York, N. Y. Capers, mushrooms, canned peas, etc. 194,957; Sept. 30.
Smith, James P., & Company, New York, N. Y. Olive oil. 195,081; Sept. 30.

Sociedad Anonima "E. R. A.," Madrid, Spain. Perforated rolls for player pianos, etc. 182,017; Sept. 30.
Societa Anonima Francesco Cinzano & Cia., Turin, Italy. General medicinal tonic. 191,919; Sept. 30.
Societa Anonima Francesco Cinzano & Cia., Turin, Italy. Nonalcoholic vermouth. 191,918; Sept. 30.
Société Anonyme des Usines Renault, Billancourt, Seine, France. Automobiles and aeroplanes, and parts thereof. 191,645; Sept. 30.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 190,300; Sept. 30.
Southwestern Milling Company Inc., The, New York, N. Y. Wheat flour. 185,383; Sept. 30.
Speich, Helen S., as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Melons. 189,276; Sept. 30.
Speich, Helen S., as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Oranges. 189,277-8; Sept. 30.
Spohr, J., doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland. Ferments made of gastric juice used in cheese making. 199,955; Sept. 30.
Spreckels Brothers Commercial Company, San Diego, Calif. Fertilizer. 198,261; Sept. 30.
State Mill and Elevator. (See North Dakota Mill and Elevator Association.)
Sterinaul Co., The, Stillwater, Okla. Remedy for infection, etc. of the skin. 200,908; Sept. 30.
Stix, Baer & Fuller Dry Goods Co., St. Louis, Mo. Boys' wash suits. 199,656; Sept. 30.
Sunrise Chemical Co. (See Sheftelman, David.)
Sunset Nut Shelling Company, San Francisco, Calif. Walnuts, almonds, pineapple, etc. 125,762; Sept. 30.
Sweater & Knitted Textile Publicity Bureau, Inc., New York, N. Y. Panphlets, circulars, and publications. 164,990; Sept. 30.
Sweater & Knitted Textile Publicity Bureau, Inc., New York, N. Y. Panphlets, circulars, and publications. 164,992-3; Sept. 30.
Texas Star Flour Mills, Galveston, Tex., and New York, N. Y. Wheat flour, bran, shorts, corn meal, etc. 157,699; Sept. 30.
Thermotite Construction, Inc., San Jose, Calif. Concrete blocks. 199,722; Sept. 30.
Triple-Wear Hosiery Mills. (See Lichten, Harold.)
Universal Polish Mfg. Co., Dallas, Tex. Shoe dressing and polish. 193,009; Sept. 30.
Utasz, John, doing business as John Utasz Co., New Brunswick, N. J. Hair restorer. 201,061; Sept. 30.
Vavra, Minerva, doing business as Vavra's Pharmacy, Chicago, Ill. Antiseptic solution used as a medicine. 194,382; Sept. 30.
Vivaudou, V., Inc., New York, N. Y. Cosmetic containers. 201,016; Sept. 30.
Vivaudou, V., Inc., New York, N. Y. Face powders, face creams, toilet waters, etc. 201,119; Sept. 30.
Wasmuth-Goodrich Company, Peru, Ind. Complete radio receiving sets. 196,559; Sept. 30.
Way, Lewis A., doing business as Sludge Flue Manufacturing Company, Pittsburgh, Pa. Material for treating hydrocarbons and their derivatives. 192,871; Sept. 30.
Weiss, Theo., & Company, Inc., New Orleans, La. Overalls, pants, and work shirts. 200,414; Sept. 30.
Wellston Manufacturing Co., The, Wellston, Ohio. Display stands. 199,513; Sept. 30.
Werner, Adolph, Milwaukee, Wis. Metal polish. 199,913; Sept. 30.
Western Sales Agency, Inc., Dallas, Tex. Chemical heat-producing bags. 194,425; Sept. 30.
Westfeldt Brothers, New Orleans, La. Green coffees. 200,792; Sept. 30.
Wilbur, H. O., & Sons, Inc., Philadelphia, Pa. Cocoa. 137,349; Sept. 30.
Wile, E. J., & Co., New York, N. Y. Woolen piece goods. 194,499; Sept. 30.
Williams, Alonzo G., doing business as Dr. Putnam, New York, N. Y. Soap and shaving cream. 187,236; Sept. 30.
Wilson & Co., Inc. of California, Chicago, Ill., and Los Angeles, Calif. Oleomargarine. 201,270; Sept. 30.
Witch Mitt Company. (See Ean, Marjorie W.)
Woolley, Daniel P., New York, N. Y. Bread. 181,366; Sept. 30.
Zumpft, Robert K., doing business as Redu Chemical Company, Cleveland, Ohio. Bathing salts and bathing compositions for reducing flesh. 200,649; Sept. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Asphaltic compound. Standard Oil Company. 189,834; Sept. 30; Serial No. 196,629; published July 22, 1924.
Brooms and brushes, Fibers for. F. H. Cone. 190,008; Sept. 30; Serial No. 195,219; published July 1, 1924.
Brooms and brushes, Fibers for. F. H. Cone. 190,009; Sept. 30; Serial No. 195,217; published July 1, 1924.
Brooms and brushes, Fibers for. F. H. Cone. 190,029; Sept. 30; Serial No. 195,216; published July 1, 1924.
Leather. Beardmore & Co. 189,934; Sept. 30; Serial No. 154,912; published Mar. 25, 1924.
Seeds. W. G. Scarlett. 189,943; Sept. 30; Serial No. 181,498; published July 22, 1924.
Trees, Plum. Stark Bros. Nurseries & Orchards Co. 26,109; renewed Feb. 26, 1925.
Trees, Quince. Stark Bros. Nurseries & Orchards Co. 26,108; renewed Feb. 26, 1925.

CLASS 3.

Hoof pads. Essex Rubber Company. 190,051; Sept. 30.

CLASS 4.

Cleaning and polishing wood, Preparation for. A. Spitz. 25,978; renewed Feb. 5, 1925.
Cleaning fluid, shoe polishes, etc. Griffin Manufacturing Co. 190,017; Sept. 30; Serial No. 192,378; published July 1, 1924.
Cleansing and washing compounds, Chemical. Solvay Process Company. 189,925; Sept. 30; Serial No. 194,823; published July 22, 1924.
Detergent, Hydrocarbon. Standard Oil Company (New Jersey). 190,020; Sept. 30; Serial No. 193,423; published July 1, 1924.
Hand cleaner. C. J. Darcé. 190,023; Sept. 30; Serial No. 194,165; published July 8, 1924.
Metal-polishing rouge. Zucker Sons Co. 189,929; Sept. 30; Serial No. 196,844; published July 22, 1924.
Soap. I. J. Anderson. 189,977; Sept. 30; Serial No. 196,045; published July 22, 1924.
Soap. Remmers Soap Company. 189,905; Sept. 30; Serial No. 171,590; published July 22, 1924.
Soap. Remmers Soap Company. 189,993; Sept. 30; Serial No. 196,073; published July 8, 1924.
Soap. Rome Soap Mfg. Co. 189,924; Sept. 30; Serial No. 184,103; published July 22, 1924.
Soap and soap products. Bonded Products Corporation. 189,838; Sept. 30; Serial No. 196,571; published July 1, 1924.
Soap, Shaving. J. B. Williams Company. 25,353; renewed Oct. 16, 1924.
Soaps, Toilet. Societe Commandite Chome & Cie. 189,980; Sept. 30; Serial No. 196,482; published July 22, 1924.
Shoe dressing and auto top and carriage dressing. H. Nevins. 190,021; Sept. 30; Serial No. 193,946; published July 1, 1924.
Steel abrasive material, rouge, and putty powder. Pittsburgh Crushed Steel Company. 25,974; renewed Feb. 5, 1925.
Washing compound. E. J. Belanger. 189,990; Sept. 30; Serial No. 196,228; published July 1, 1924.

CLASS 6.

Arterial wash. W. Miller. 190,047; Sept. 30.
Medicine to be used as a blood purifier, appetizer, etc. Good Health Laboratories. 190,045; Sept. 30.
Medicines and flavoring extracts, Certain named. A. B. Seelye. 25,108; renewed Aug. 7, 1924.
Salt, Soldering. A. R. Benson. 25,949; renewed Jan. 29, 1925.
Soda ash. Solvay Process Company. 189,968; Sept. 30; Serial No. 197,840; published July 22, 1924.

CLASS 9.

Matches. Diamond Match Company. 189,981; Sept. 30; Serial No. 196,583; published July 22, 1924.

CLASS 12.

Doors, Garage. Rowe & Giles Lumber Co. 189,824; Sept. 30; Serial No. 196,973; published July 22, 1924.
Floor coating. A. I. Rankin. 189,935; Sept. 30; Serial No. 170,448; published July 22, 1924.
Lumber, Artificial. Upson Company. 189,933; Sept. 30; Serial No. 141,439; published July 22, 1924.
Stone, Artificial. Arnold Stone, Brick & Tile Co. 189,996; Sept. 30; Serial No. 195,998; published July 22, 1924.
Tiles for decorative and fireproofing purposes. Henry Miles Son's, Inc. 190,035; Sept. 30.
Wall board. Plastergon Wall Board Co. 190,001-3; Sept. 30; Serial Nos. 195,711-13; published July 22, 1924.

CLASS 14.

Brasses and journal boxes and metals therefor. Railroad. Magnolia Metal Company. 25,747; renewed Dec. 25, 1924.

CLASS 16.

Paints, enamels, varnishes, etc. Sunset Paint Company. 189,922; Sept. 30; Serial No. 192,442; published July 1, 1924.
Polish, Furniture. B. Heller & Company. 190,049; Sept. 30.
Varnishes, stains, fillers, paint enamels, paints. C. Vick. 190,046; Sept. 30.

CLASS 19.

Automobiles, vehicles and lorries. A. Citroën. 190,030; Sept. 30.
Automobiles, motor vehicles, and parts thereof. General Motors Corporation. 190,028; Sept. 30; Serial No. 195,057; published July 22, 1924.
Bicycles. Al. Ray Co. 189,960–1; Sept. 30; Serial Nos. 197,293–4; published July 22, 1924.
Shock absorbers. Aerobelle Company. 189,828; Sept. 30; Serial No. 196,686; published July 22, 1924.

CLASS 20.

Linoleum. Nairn Linoleum Company. 189,840; Sept. 30; Serial No. 196,541; published June 24, 1924.

CLASS 34.

Boilers, Automatic gas-fired. Gas Utilities Corporation. 190,010; Sept. 30; Serial No. 189,972; published July 22, 1924.
Burners, Pilot-light controls and igniting devices for. Time-O-Stat Corporation. 189,938; Sept. 30; Serial No. 195,924; published July 22, 1924.
Heaters, Gas. Ohio State Stove & Mfg. Co. 190,018; Sept. 30; Serial No. 192,467; published July 22, 1924.
Ovens, Bakers'. Williams Oven Mfg. Co. 189,951; Sept. 30; Serial No. 174,872; published July 22, 1924.
Stoves and ranges, Gas. Sunray Stove Company. 189,999; Sept. 30; Serial No. 195,922; published July 8, 1924.
Stoves and ranges, etc., Gas and coal. Abendroth Brothers. 189,942; Sept. 30; Serial No. 179,637; published July 1, 1924.
Water heaters. Geneva Heater Company. 190,036; Sept. 30.
Welding and metal cutting equipment. Rhode Island Welding Co. 190,034; Sept. 30.
Wicks. American Stove Company. 190,048; Sept. 30.
Wicks, gasoline torches, oil heaters, etc. Hibbard, Spencer, Bartlett & Company. 190,031; Sept. 30.

CLASS 35.

Tires and rubber tubes therefor, Vehicle. Fisk Rubber Company. 189,831; Sept. 30; Serial No. 196,656; published July 22, 1924.
Tires, Pneumatic. Sterling Tire Corporation. 190,032; Sept. 30.
Tires, tubes, casings, etc., Automobile. New York Auto and Radio Supply Co. 189,991; Sept. 30; Serial No. 196,185; published July 22, 1924.
Tires, Vehicle. Fisk Rubber Company. 189,830; Sept. 30; Serial No. 196,657; published July 22, 1924

CLASS 38.

Cartoons, Series of. F. Fox. 189,967; Sept. 30; Serial No. 197,740; published July 22, 1924.
Cartoons, Series of. Tribune Company. 189,962; Sept. 30; Serial No. 197,507; published July 22, 1924.
Cartoons, Series of. Tribune Company. 189,963–5; Sept. 30; Serial Nos. 197,514–16; published July 22, 1924.
Magazine. Corte Publishing Co. 189,927; Sept. 30; Serial No. 195,742; published July 8, 1924.
Magazine. Earnshaw Sales Company. 189,930–1; Sept. 30; Serial Nos. 196,854–5; published July 8, 1924.
Magazine or periodical. Bankers Economic Service, Inc. 190,007; Sept. 30; Serial No. 195,257; published July 22, 1924.
Newspaper. Journal Company. 190,012; Sept. 30; Serial No. 190,789; published July 22, 1924.
Newspaper articles, Heading for. H. Markel. 190,015; Sept. 30; Serial No. 191,441; published July 22, 1924.
Newspaper column, Title for. Fun Shop, Inc. 189,975; Sept. 30; Serial 195,879; published July 8, 1924.
Newspaper supplements. Alco-Gravure Incorporated. 189,997; Sept. 30; Serial No. 195,935; published July 8, 1924.
Newspapers, Title for articles for. W. W. Price. 189,946–7; Sept. 30; Serial Nos. 185,720–1; published July 22, 1924.
Paper published twice every month. Maryland Agricultural Society—The Maryland Farm Bureau Federation. 189,837; Sept. 30; Serial No. 196,602; published July 8, 1924.
Periodical. Checker Cab Manufacturing Corporation. 190,014; Sept. 30; Serial No. 191,223; published July 22, 1924.
Publication. F. J. Babcock. 189,928; Sept. 30; Serial No. 196,565; published July 8, 1924.
Publication. Fawcett Publications. 189,992; Sept. 30; Serial No. 196,161; published July 8, 1924.
Publication. Sego Milk Products Company. 189,926; Sept. 30; Serial No. 195,418; published July 22, 1924.
Publication, Market. Victor Buyers' Commodity Service, Inc. 189,950; Sept. 30; Serial No. 188,287; published July 22, 1924.
Publications. Coca-Cola Company. 189,966; Sept. 30; Serial No. 197,657; published July 22, 1924.
Publications, Periodical. R. A. Carlson. 190,000; Sept. 30; Serial No. 195,884; published July 22, 1924.
Stamps for collectors, Postage. F. van der Bom. 189,833; Sept. 30; Serial No. 196,631; published July 22, 1924.

CLASS 39.

Apparel, Ladies' wearing. B. Goldwasser. 189,939; Sept. 30; Serial No. 178,501; published Nov. 27, 1923.
Aprons, household gloves, etc., Rubber. The Fair. 189,940; Sept. 30; Serial No. 179,035; published July 22, 1924.
Belts, suspenders, etc. Greenebaum, Weil & Michels. 189,945; Sept. 30; Serial No. 185,018; published July 22, 1924.
Breeches, Riding. Lieberman Specialty Company. 189,953; Sept. 30; Serial No. 197,090; published July 22, 1924.
Breeches, Women's, misses', and girls' riding or service. Lieberman Specialty Company. 189,954; Sept. 30; Serial No. 197,092; published July 22, 1924.
Clothing, Men's and boys'. Weil's Clothing Corporation. 189,959; Sept. 30; Serial No. 197,180; published July 22, 1924.
Coats and dresses, Ladies' and misses'. Blauner Bros. & Co. 189,937; Sept. 30; Serial No. 176,944; published July 22, 1924.
Coats and suits. Siegel Bros. & Burnstine. 189,835; Sept. 30; Serial No. 196,624; published July 22, 1924.
Coats, pants, overalls, shirts, etc., Work. Irwin-Phillips Co. 190,006; Sept. 30; Serial No. 195,292; published July 22, 1924.
Coats, shirts, hats, etc., for men and boys. Halbitter's Inc. 190,019; Sept. 30; Serial No. 193,169; published July 22, 1924.
Coats, vests, trousers, and overcoats for juveniles. B. Landau. 189,958; Sept. 30; Serial No. 197,158; published July 22, 1924.
Corsets, brassières, and ladies' underwear of textile fabric. Kops Brothers. 189,952; Sept. 30; Serial No. 197,086; published July 22, 1924.
Hosiery. Bellann Hosiery Mills, Inc. 189,839; Sept. 30; Serial No. 196,568; published July 22, 1924.
Hosiery. Chipman Knitting Mills. 190,016; Sept. 30; Serial No. 191,530; published July 22, 1924.
Hosiery. Nicholson Feinberg, Inc. 189,836; Sept. 30; Serial No. 196,614; published July 22, 1924.
Hosiery. S. Schleisner. 189,827; Sept. 30; Serial No. 196,766; published July 22, 1924.
Hosiery and shirts. Simon E. Davis & Co. 190,024; Sept. 30; Serial No. 194,336; published July 22, 1924.
Hosiery, underwear, and fabric gloves. Weil & Jacobs, Inc. 189,944; Sept. 30; Serial No. 184,535; published July 22, 1924.
Hosiery, underwear, gloves, corsets, etc. A. Kommel & Sons. 190,013; Sept. 30; Serial No. 191,075; published July 22, 1924.
Knickerbockers, Ladies', misses', and girls'. Lieberman Specialty Company. 189,955; Sept. 30; Serial No. 197,093; published July 22, 1924.
Overcoats. Kleinmark Company. 190,027; Sept. 30. Serial No. 191,544; published July 22, 1924.
Overcoats, coats, vests, trousers, and raincoats. A. I. Namm & Son. 189,994; Sept. 30; Serial No. 196,669; published July 22, 1924.
Raincoats and overcoats. B. Fligel. 189,957; Sept. 30; Serial No. 197,142; published July 22, 1924.
Robes, Men's. Pollak Behrens & Company. 189,829; Sept. 30; Serial No. 196,674; published July 22, 1924.
Shirts. Cluett, Peabody & Co. 190,044; Sept. 30.
Stockings, Infants' and children's. C. Sarferr. 189,823; Sept. 30; Serial No. 197,052; published July 22, 1924.
Suits and coats. Harris & Frank. 189,832; Sept. 30; Serial No. 195,640; published July 22, 1924.
Suits, Boys'. R. H. Macy & Co. 189,938; Sept. 30; Serial No. 177,980; published July 22, 1924.
Suits, dresses, hats, etc. John Wanamaker Philadelphia. 189,842; Sept. 30; Serial No. 196,280; published July 22, 1924.
Suits, Men's. Morotock Mfg. Co. 189,825; Sept. 30; Serial No. 196,924; published July 22, 1924.
Sweaters. Greater Manhattan Knitting Mills Inc. 189,826; Sept. 30; Serial No. 196,805; published July 22, 1924.
Undergarment for women. Model Brassiere Co. 189,995; Sept. 30; Serial No. 196,065; published July 22, 1924.
Underwear. R. L. Margolyes. 190,022; Sept. 30; Serial No. 194,013; published July 22, 1924.
Underwear and hosiery. P. V. Sherwood. 189,949; Sept. 30; Serial No. 186,528; published July 22, 1924.
Underwear, Knit. Miami Valley Knitting Mills Company. 189,956; Sept. 30; Serial No. 197,103; published July 22, 1924.
Vests, bloomers, chemises, etc., Ladies'. Wyman, Partridge & Co. 190,005; Sept. 30; Serial No. 195,429; published July 22, 1924.

CLASS 40.

Barrettes. Pacific Novelty Company. 189,932; Sept. 30; Serial No. 197,899; published July 22, 1924.
Buckles and buckles and clasps for shoes, Belt. Riker Company. 189,923; Sept. 30; Serial No. 179,056; published July 22, 1924.
Needles, Crochet and knitting. J. M. Ortega. 189,879; Sept. 30; Serial No. 180,026; published July 22, 1924.

CLASS 42.

Cotton and woolen piece goods. Rojo Fabian & Co. 189,871; Sept. 30; Serial No. 196,971; published July 22, 1924.
Cotton blankets and cotton piece goods. Massachusetts Cotton Mills. 189,814–19; Sept. 30; Serial Nos. 198,012–17; published July 22, 1924.
Cotton blankets and cotton piece goods. Massachusetts Cotton Mills. 189,860–1; Sept. 30; Serial Nos. 198,010–11; published July 22, 1924.
Cotton blankets and cotton piece goods. Massachusetts Cotton Mills. 189,862–5; Sept. 30; Serial Nos. 198,005–8; published July 22, 1924.
Cotton piece goods. American Bleached Goods Company. 189,907; Sept. 30; Serial No. 176,938; published July 22, 1924.
Cotton piece goods. Barsa Corporation. 189,866; Sept. 30; Serial No. 197,984; published July 22, 1924.
Cotton piece goods. Klauber Bros. & Co. 189,948; Sept. 30; Serial No. 186,382; published July 22, 1924.
Cotton piece goods. Millville Manufacturing Company. 189,913; Sept. 30; Serial No. 182,924; published July 22, 1924.
Cotton piece goods. Otis Company. 190,011; Sept. 30; Serial No. 190,352; published Apr. 15, 1924.
Duck, Cotton. Pittsburg Waterproof Company. 189,919; Sept. 30; Serial No. 189,270; published July 22, 1924.
Fabric in the piece. S. Stroock & Company. 189,917–18; Sept. 30; Serial Nos. 188,938–9; published July 22, 1924.
Fabrics and ribbons, Piece. Independent Industries, Inc. 189,973; Sept. 30; Serial No. 194,542; published July 22, 1924.
Hair nets. Sitroux Importing Co. 189,869; Sept. 30; Serial No. 197,564; published July 22, 1924.
Mats, Table. H. S. Sampliner. 189,920; Sept. 30; Serial No. 189,918; published July 22, 1924.
Ribbons, Satin. Ely & Walker Dry Goods Company. 189,876; Sept. 30; Serial No. 194,987; published July 22, 1924.
Sateen, cotton, and silk mixed piece goods and cotton piece goods. H. Jacob & Sons, Inc. 189,970; Sept. 30; Serial No. 183,526; published Oct. 16, 1923.
Sheetings, sheets, and pillowcases. William R. Moore Dry Goods Company. 189,969; Sept. 30; Serial No. 197,950; published July 22, 1924.
Sheets, Stockmen's bed. Crawford-Austin Manufacturing Co. 189,821; Sept. 30; Serial No. 198,124; published July 22, 1924.
Silk and cotton mixed piece goods, etc. H. Jacob & Sons, Inc. 189,872; Sept. 30; Serial No. 196,871; published July 22, 1924.
Silk and cotton piece goods and combinations thereof. Fried. Mendelson & Company. 190,026; Sept. 30; Serial No. 194,533; published July 22, 1924.
Silk piece goods. Duplan Silk Corporation. 189,820; Sept. 30; Serial No. 198,061; published July 22, 1924.
Silk piece goods, Artificial. M. I. Halperin. 189,870; Sept. 30; Serial No. 197,482; published July 22, 1924.
Textiles in the piece. Hart Silk Company. 189,873; Sept. 30; Serial No. 196,866; published July 22, 1924.
Towels, wash rags, bath mats, etc. Hohlfeld Manufacturing Company. 189,874; Sept. 30; Serial No. 196,745; published July 22, 1924.
Wool piece goods. Roubaix Mills, Inc. 189,822; Sept. 30; Serial No. 198,154; published July 22, 1924.
Wool, wool cloth, etc. Kunst & Small Co. 189,868; Sept. 30; Serial No. 197,669; published July 22, 1924.
Woolen cloths in the piece. S. Stein & Co. 190,037; Sept. 30.
Woolen goods. J. A. Doyle. 189,903; Sept. 30; Serial No. 150,062; published July 22, 1924.
Woolen goods. S. Stein & Co. 189,875; Sept. 30; Serial No. 196,354; published July 22, 1924.

CLASS 43.

Thread or yarn, Artificial silk. Peri-Lusta, Limited. 189,989; Sept. 30; Serial No. 198,027; published July 22, 1924.

CLASS 46.

Bacon, potted ham, drief beef, etc. Libby, McNeill & Libby. 189,910; Sept. 30; Serial No. 179,477; published July 22, 1924.
Bakery products of a pretzellike nature. Pretz-Sticks Baking Company. 189,896; Sept. 30; Serial No. 197,392; published July 29, 1924.
Biscuits and patty shells. S. H. Perky. 189,911; Sept. 30; Serial No. 179,680; published July 22, 1924.
Bread. D. P. Woolley. 190,038–42; Sept. 30.
Butter. Aberdeen Creamery Company. 189,897; Sept. 30; Serial No. 197,856; published July 29, 1924.
Butter. A. F. Thibodeau Company. 189,902; Sept. 30; Serial No. 198,485; published July 29, 1924.
Candy. G. A. Deatel. 189,850; Sept. 30; Serial No. 193,994; published July 29, 1924.
Candy. Paul Freund, Inc. 189,881; Sept. 30; Serial No. 198,177; published July 29, 1924.
Candy. Jos. B. Funke Company. 189,843; Sept. 30; Serial No. 197,369; published July 29, 1924.
Candy bars. F. A. Martoccio Macaroni Co. 189,885–6; Sept. 30; Serial Nos. 197,547–8; published July 29, 1924.
Candy cake, Chocolate-coated peanut-. J. J. M. Caramotos. 189,859; Sept. 30; Serial No. 173,349; published July 29, 1924.
Canned beans, blackberries, and salmon. Allen & Hendrickson Packing Co. 189,845; Sept. 30; Serial No. 197,238; published July 29, 1924.
Canned corn. Iowa City Canning Co. 189,853; Sept. 30; Serial No. 183,712; published July 29, 1924.
Canned food products. La Choy Food Products. 189,979; Sept. 30; Serial No. 196,392; published July 22, 1924.
Canned fruit. R. E. Stahlbaum. 189,851; Sept. 30; Serial No. 191,987; published July 29, 1924.
Canned peas and sauerkraut. Big Four Canning Co. 189,844; Sept. 30; Serial No. 197,356; published July 29, 1924.
Canned peppers. Pomona Products Company. 189,856; Sept. 30; Serial No. 180,775; published July 29, 1924.
Canned pineapple. Honolulu Fruit Company. 189,849; Sept. 30; Serial No. 195,398; published July 29, 1924.
Canned sardines. Iwan Burger, Inc. 189,887–8; Sept. 30; Serial Nos. 197,414–5; published July 29, 1924.
Canned tuna and sardines. M. A. Rex. 189,884; Sept. 30; Serial No. 197,907; published July 29, 1924.
Cattle and live poultry and their products and farm products. G. M. Hendee. 189,916; Sept. 30; Serial No. 186,904; published July 22, 1924.
Cheese. Silberman Bros., Inc. 189,893; Sept. 30; Serial No. 194,739; published July 29, 1924.
Cheese and butter. Chandler and Rudd Company. 189,889; Sept. 30; Serial No. 146,524; published Nov. 13, 1923.
Chocolate. Eline's Incorporated. 189,880; Sept. 30; Serial No. 198,294; published July 29, 1924.
Chocolates. D. Auerbach & Sons. 190,050; Sept. 30.
Cocoa. N. V. Stoom Chocolade & Cacaofabriek "Kwatta." 189,877; Sept. 30; Serial No. 187,699; published July 29, 1924.
Coconut, Prepared. Franklin Baker Company. 189,987; Sept. 30; Serial No. 197,744; published July 22, 1924.
Coconut, Prepared. Franklin Baker Company. 189,988; Sept. 30; Serial No. 197,750; published July 22, 1924.
Coffee. Peerless Coffee Company. 189,904; Sept. 30; Serial No. 170,950; published July 22, 1924.
Cornstarch and brewers' grits. Corn Products Refining Company. 189,972; Sept. 30; Serial No. 194,259; published July 22, 1924.
Crackers. W. H. Daniels. 25,718; renewed Dec. 25, 1924.
Crackers and biscuits, Soda. Pacific Coast Biscuit Company. 189,857; Sept. 30; Serial No. 180,719; published July 22, 1924.
Feed. P. S. Casey. 190,025; Sept. 30; Serial No. 194,526; published July 8, 1924.
Feed. Security Mills. 189,892; Sept. 30; Serial No. 192,221; published July 29, 1924.
Feed. F. W. Simpson. 189,895; Sept. 30; Serial No. 196,829; published July 29, 1924.
Feed, Medicinal mineralized. E. Rhine. 189,894; Sept. 30; Serial No. 196,762; published July 29, 1924.
Flavoring compound, Imitation-lemon. B. Heller & Company. 189,985; Sept. 30; Serial No. 197,539; published July 22, 1924.
Flavoring compound, Imitation-orange. B. Heller & Company. 189,986; Sept. 30; Serial No. 197,540; published July 22, 1924.
Flavoring extracts. Fritzsche Brothers, Inc. 189,984; Sept. 30; Serial No. 197,143; published July 22, 1924.
Flavoring extracts, Food-. Luverne Extract Company. 189,971; Sept. 30; Serial No. 193,936; published July 22, 1924.
Flavors for foods. Southern Beverage Company. 189,983; Sept. 30; Serial No. 196,939; published July 22, 1924.
Flour, Self-rising wheat. Birdsey Flour Mills. 190,043; Sept. 30.
Flour, Wheat. Ballard & Ballard Co. 189,890–1; Sept. 30; Serial Nos. 181,629–30; published July 29, 1924.
Flour, Wheat. Duluth Imperial Mill Company. 25,984; renewed Feb. 5, 1925.
Flour, Wheat. Humboldt Milling Company. 189,899; Sept. 30; Serial No. 197,937; published July 29, 1924.
Flour, Wheat. Morton Milling Company. 189,901; Sept. 30; Serial No. 198,195; published July 29, 1924.
Food drinks. Maltop, Inc. 189,976; Sept. 30; Serial No. 193,974; published July 22, 1924.
Food preparation, Organic. Dr. Laboschin-Hageda Akiengesellschaft. Fabrik Chemisch-Pharmaceutischer Präparate. 189,878; Sept. 30; Serial No. 185,930; published July 22, 1924.
Fruits and nuts. Orangethorpe Citrus Association. 189,047–8; Sept. 30; Serial Nos. 196,187–8; published July 29, 1924.

Fruits and vegetables, Fresh. Garcia & Maggini Co. 189,854; Sept. 30; Serial No. 182,300; published July 29, 1924.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 189,867; Sept. 30; Serial No. 197,956; published July 29, 1924.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 189,882; Sept. 30; Serial No. 197,957; published July 29, 1924.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 189,883; Sept. 30; Serial No. 197,955; published July 29, 1924.
Fruits, nuts, cantaloupes. Orangethorpe Citrus Association. 189,846; Sept. 30; Serial No. 196,189; published July 29, 1924.
Haddock, Smoked. Chesebro Brothers & Robbins, Inc. 189,852; Sept. 30; Serial No. 188,741; published June 17, 1924.
Ice cream. Shumway, Hawk & Thomas. 189,974; Sept. 30; Serial No. 194,820; published July 22, 1924.
Ice-cream preparation. G. H. Clem. 189,908; Sept. 30; Serial No. 177,165; published July 22, 1924.
Lard, pigs' feet, bacon, etc. C. E. Richard & Sons. 189,936; Sept. 30; Serial No. 173,723; published May 13, 1924.
Malt extract for food purposes. L. Pohajda. 189,855; Sept. 30; Serial No. 180,887; published July 29, 1924.
Meats. E. Kahn's Sons Company. 189,912; Sept. 30; Serial No. 182,348; published July 22, 1924.
Milk, Condensed and evaporated. Dairymen's League Co-operative Association, Inc. 189,909; Sept. 30; Serial No. 179,363; published July 22, 1924.
Milk, Evaporated skimmed. Universal Milk Company. 189,978; Sept. 30; Serial No. 196,357; published July 22, 1924.
Mustard and mustard products. J. & J. Colman. 25,989; renewed Feb. 5, 1925.
Peanut butter. Wilmar Manufacturing Company. 189,982; Sept. 30; Serial No. 196,843; published July 22, 1924.
Pie-crust composition. M. G. Gardner. 189,898; Sept. 30; Serial No. 197,930; published July 29, 1924.
Pineapples, grapefruit, oranges, Fresh. Mills Brothers. 189,858; Sept. 30; Serial No. 179,674; published May 20, 1924.
Salad dressing. Scholl Bros. 189,906; Sept. 30; Serial No. 175,327; published July 22, 1924.
Sandwiches. Mrs. Zorn's Junior Club Sandwiches. 189,900; Sept. 30; Serial No. 197,978; published July 29, 1924.
Sirup, Corn. Anheuser-Busch, Inc. 189,921; Sept. 30; Serial No. 192,053; published July 22, 1924.
Sirup for food purposes. Malt. H. Mihm. 189,915; Sept. 30; Serial No. 185,484; published July 22, 1924.
Vinegar. Roanoke Apple Products Co. 189,914; Sept. 30; Serial No. 184,517; published July 22, 1924.

CLASS 50.

Educational device. United Last Company. 189,841; Sept. 30; Serial No. 196,414; published July 22, 1924.
Rubber household sheeting. The Fair. 189,941; Sept. 30; Serial No. 179,036; published July 22, 1924.
Sheeting, Waterproof. Terry Textile Corporation. 190,004; Sept. 30; Serial No. 195,663; published July 1, 1924.
Tents and tarpaulins. Crawford-Austin Manufacturing Co. 190,033; Sept. 30.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Central Lumber & Coal Company. 201,740; Sept. 30.
Coal. Meador and Young. 200,890; Sept. 30.
Coal briquets. American Briquet Company. 201,482; Sept. 30.
Hides, skins, and leather. Penn Leather Company. 199,760; Sept. 30.
Leather. Carl E. Schmidt and Company. 201,719; Sept. 30.
Leather. Denver Leather Co. 197,420; Sept. 30.
Marble and stone. Carlo Fabbricotti e B. Fabbricotti e Figli. 197,473–6; Sept. 30.
Marble and stone. Nicolao Lazzoni e Figlio. 197,490; Sept. 30.
Ore, Chrome. E. J. Lavino and Company. 201,759; Sept. 30.
Ore, Chrome. E. J. Lavino and Company. 201,761; Sept. 30.
Seed, Grass. C. C. Morse & Co. 201,574; Sept. 30.
Skins, Animal. Fox Trading Company. 201,082; Sept. 30.
Tripoli flour (ground Tripoli stone). American Tripoli Company. 200,171; Sept. 30.

CLASS 2.

Cosmetic containers. V. Vivaudou, Inc. 201,016; Sept. 30.

CLASS 3.

Laundry cases, school and commercial bags. H. E. Plimpton. 200,579; Sept. 30.

CLASS 4.

Cleaning compound for rugs, carpets, and the like. Economics Laboratory, Incorporated. 189,769; Sept. 30.
Dressing and polish, Shoe. Universal Polish Mfg. Co. 193,009; Sept. 30.
Polish, Metal. A. Werner. 199,913; Sept. 30.
Polishes, Metal. Grady Mfg. Co. 200,441; Sept. 30.
Polishing cloth for gold, silver, etc. H. Berbeck. 198,998; Sept. 30.
Preparation for cleaning walls, etc. C. B. Dolge Company. 201,185; Sept. 30.
Soap and shaving cream. A. G. Williams. 187,236; Sept. 30.

CLASS 6.

Analgesics, anesthetics, anodynes, etc. Schering & Glatz, Inc. 200,523; Sept. 30.
Antiseptic solution. M. Vavra. 194,382; Sept. 30.
Bathing salts and bathing compositions. R. K. Zumpft. 200,649; Sept. 30.
Boiler cleaning and scale removing compounds. Ellicottville Scale Removing Corporation. 200,437; Sept. 30.
Chemical composition. F. R. Mills. 200,956; Sept. 30.
Citrate-magnesia solutions. Kleinschmidt Magnesia Co. 200,266; Sept. 30.
Colors, Coal-tar. Society of Chemical Industry in Basle. 190,390; Sept. 30.
Cream, Bleaching. Janay Manufacturing Company. 200,260; Sept. 30.
Hair restorer. J. Utasz. 201,061; Sept. 30.
Headache, neuralgia, and pain relief. D. Sheftelman. 200,525; Sept. 30.
Hydrocarbons and their derivatives, Material for treating. L. A. Way. 192,871; Sept. 30.
Incense. Louis Lucas Co. 200,685; Sept. 30.
Insecticides, fungicides, germicides. Sherwin-Williams Company. 200,527–8; Sept. 30.
Laxative tablets. C. W. Doddridge. 201,080; Sept. 30.
Medicinal preparation. Maghee Chemical Corporation. 201,038; Sept. 30.
Medicinal tonic, General. Societa Anonima Francesco Cinzano & Cia. 191,919; Sept. 30.
Oleaginous preparation. Quaker Oil Products Corporation. 201,012; Sept. 30.
Perfumes, toilet waters, bath salts, etc. Guerlain Perfumery Corporation. 199,163; Sept. 30.
Powders, face creams, toilet waters, etc., Face. V. Vivaudou, Inc. 201,119; Sept. 30.
Preparation for bronchitis, pneumonia, etc. S. W. Johnson. 197,760; Sept. 30.
Preparation for the treatment of leucorrhea. F. P. Laurenzana. 200,628; Sept. 30.
Remedy for neglected colds, catarrh, etc. A. Bailly. 200,704; Sept. 30.
Remedy for the skin. Sterinaul Co. 200,908; Sept. 30.
Salve. W. F. Baier. 200,238; Sept. 30.
Shampoo. I. H. Morrow. 200,574; Sept. 30.
Tonic. F. H. Hinckley. 200,545; Sept. 30.
Water softener and cleanser. Northern Jobbing Company. 200,959; Sept. 30.

CLASS 7.

Clothes lines. American Core Twine Corporation. 200,304; Sept. 30.
Rope and cable. Edwin H. Fitler Company. 199,747; Sept. 30.

CLASS 10.

Fertilizer. Spreckels Brothers Commercial Company. 198,261; Sept. 30.

CLASS 11.

Papers, Carbon. Miller-Bryant-Pierce Company. 200,457; Sept. 30.

CLASS 12.

Brick. Medal Brick & Tile Co. 200,212; Sept. 30.
Cement. Atlas Lumnite Cement Company. 200,702; Sept. 30.
Concrete blocks. Thermotite Construction, Inc. 199,722; Sept. 30.
Floorings. Simon Manges & Son, Inc. 201,149; Sept. 30.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Plaster board. Schumacher Wall Board Corporation. 199,394; Sept. 30.
Trends, stair landings, etc. American Blue Stone Co. 198,277; Sept. 30.

CLASS 13.

Boiler stands, Adjustable. Sanitary Company of America. 201,013; Sept. 30.
Pipe connections, Plumbing. Iron Closet Bend Co. 200,682; Sept. 30.
Siphoners, Cream. Skimit Mfg. Co. 200,229; Sept. 30.

CLASS 14.

Bars, Cored and solid. Cored Bar Corporation. 191,367; Sept. 30.

CLASS 19.

Automobile bumpers and bumper fittings. Eaton Axle & Spring Company. 185,964; Sept. 30.
Automobiles and aeroplanes and parts thereof. Société Anonyme des Usines Renault. 191,645; Sept. 30.
Axles and wheels, automobile radiators, etc., Vehicle. H. G. J. Frank. 193,222; Sept. 30.
Trucks, Motor-driven. General Motors Corporation. 201,341; Sept. 30.
Vehicles, Inserts for leaf springs of motor. C. F. Hamilton. 200,935; Sept. 30.

CLASS 21.

Electrical heating apparatus. C. M. S., Inc. 198,986; Sept. 30.
Lamps and electroliers, Electric. Gorham Manufacturing Company. 152,247; Sept. 30.
Radio receiving and other circuits, Resistances for. Danziger-Jones, Inc. 199,153; Sept. 30.
Radio receiving sets. Wasmuth-Goodrich Company. 196,559; Sept. 23.
Radio receiving sets and parts thereof. Apex Electric Mfg. Co. 199,338; Sept. 30.
Transformers. Killark Elec. Mfg. Co. 200,561; Sept. 30.

CLASS 23.

Foundry equipment and supplies. J. W. Paxson Co. 195,123–4; Sept. 30.
Jacks, Lifting. Pierce-Arrow Motor Car Company. 135,900; Sept. 30.
Pumps, Water systems, and tanks. Dayton Pump & Manufacturing Co. 200,751; Sept. 30.
Rug-making machines, driers and drying racks, etc., Fluff. Chief Manufacturing Company. 185,243; Sept. 30.
Semolina, a durum wheat product. North Dakota Mill and Elevator Association. 195,593; Sept. 30.
Speed and pressure regulators, pumps, etc. Gardner Governor Company. 199,780; Sept. 30.
Taps and dies. John Bath & Company. 200,239; Sept. 30.

CLASS 24.

Clothes washers, Electric. Coulon Corporation. 200,750; Sept. 30.
Washing machines, Clothes or laundry. Wells H. Press Company. 185,794; Sept. 30.

CLASS 26.

Picture films, Motion. G. B. Harney. 184,853; Sept. 30.
Speedometers and pressure gauges. H. G. J. Frank. 193,225; Sept. 30.
Stamps, Dating. H. Kastens. 200,500; Sept. 30.
Testing instrument. G. Berlingieri. 200,606; Sept. 30.

CLASS 27.

Clocks. E. Ingraham Company. 200,560; Sept. 30.
Watchcases, watches, and parts thereof. Gruen Watch Company. 200,761; Sept. 30.

CLASS 28.

Pins, emblems, finger rings, etc. H. W. Munro. 199,289; Sept. 30.
Rings, cuff links, chains, etc. Allsopp Brothers. 199,739; Sept. 30.

CLASS 32.

Display stands. Wellston Manufacturing Co. 199,513; Sept. 30.

CLASS 34.

Hot-water storage system, Automatic. Riverside Boiler Works, Inc. 198,722; Sept. 30.
Lighting fixtures. Art Craft Fixture Co. 195,855; Sept. 30.
Radiators or heaters, Tubular. Carrier Construction Company. 201,176; Sept. 30.
Water heaters. Hoyt Heater Company. 201,240; Sept. 30.

CLASS 35.

Packing, Machinery. A. Laurent. 201,457; Sept. 30.
Rubber tubes. Fisk Rubber Company. 200,932; Sept. 30.
Tires, Rubber. Eclat Rubber Company. 201,656; Sept. 30.

CLASS 36.

Phonographs. Deca-Disc Phonograph Company. 200,615; Sept. 30.
Phonographs. R. Mesh. 150,075; Sept. 30.
Rolls for player pianos, etc., Perforated. Sociedad Anonima "E. R. A." 182,017; Sept. 30.
Violin, etc., strings. Goll-Evans Co. 200,491; Sept. 30.

CLASS 37.

Paper, Wall. A. C. Dodman, jr., Inc. 200,867–8; Sept. 30.
Papers, Enameled book. Moser Paper Company. 200,893; Sept. 30.
Pencils and penholders. Eagle Pencil Company. 200,753; Sept. 30.

CLASS 38.

Books, Route guide. International Guide Publishing Co. 200,449; Sept. 30.
Cards, newspaper publications, booklets. Brown & Bigelow. 196,574; Sept. 30.
Cartoons. M. C. Richards. 200,281; Sept. 30.
Magazine, Monthly. International Magazine Company. 199,751; Sept. 30.
Magazine, Monthly. E. B. Pillsbury. 200,057; Sept. 30.
Pamphlets, circulars, and publications. Sweater & Knitted Textile Publicity Bureau, Inc. 164,990; Sept. 30.
Pamphlets, circulars, and publications. Sweater & Knitted Textile Publicity Bureau, Inc. 164,992–3; Sept. 30.
Prints and publications. Palmer Institute of Authorship. 199,717; Sept. 30.
Publications. H. Kauffman. 190,019; Sept. 30.

CLASS 39.

Aprons, Waterproof. J. Christensen. 198,288; Sept. 30.
Capes, coats, etc. Gram Headwear Mfg. Co. 166,069; Sept. 30.
Clothing and children's coats and suits, Men's and boys'. M. Amdur & Son. 198,495; Sept. 30.
Coats and suits. M. Amdur & Son. 199,029; Sept. 30.
Corsets and brassières. Rite Form Corset Co. 200,341; Sept. 30.
Dresses. S. L. Hoffman. 189,249; Sept. 30.
Dresses. R. H. Macy & Co. 200,334; Sept. 30.
Hats. Cinderella Hat Co. 198,115; Sept. 30.
Hats. Sandberg & Zener Inc. 199,648; Sept. 30.
Hats, Ladies'. Bloomberg Millinery Co. 200,242; Sept. 30.
Hats, Men's felt. S. Goldstein Bros. 199,471; Sept. 30.
Hose and half hose. L. M. Goldie. 199,111; Sept. 30.
Hosiery. Aycock Hosiery Mills. 200,351; Sept. 30.
Hosiery. Malloch Knitting Mills. 200,629; Sept. 30.
Hosiery. Phoenix Hosiery Company. 200,115; Sept. 30.
Hosiery. Scholl Manufacturing Company. 201,467; Sept. 30.
Hosiery. Rufus W. Scott Company. 199,575; Sept. 30.
Hosiery. S. Shapinsky & Company. 199,189; Sept. 30.
Hosiery, Ladies'. H. Lichten. 200,454; Sept. 30.
Knit underwear and hosiery. E. M. Hanley & Co. 199,783; Sept. 30.
Leather goods. V. Perrin & Cie. 194,942; Sept. 30.
Lingerie, kimonos, wash dresses. A. M. Jelf Manufacturing Co. 183,574; Sept. 30.
Middy suits, blouses, etc., Boys'. Jackie-Klothes, Inc. 200,499; Sept. 30.
Neckties and scarfs, Men's. H. M. Heineman Sons. 163,932; Sept. 30.
Overalls. Hobert-Stone Company. 199,619; Sept. 30.
Overalls, pants, and work shirts. Theo. Weiss & Company. 200,414; Sept. 30.
Rubber boots. Converse Rubber Shoe Co. 200,183; Sept. 30.
Rubber boots. Converse Rubber Shoe Co. 200,191; Sept. 30.
Shirts, dresses, hats, etc. A. S. Mattmann. 200,210; Sept. 30.
Shoes. Converse Rubber Shoe Co. 200,185–7; Sept. 30.
Shoes. Converse Rubber Shoe Co. 200,190; Sept. 30.
Shoes. J. J. Daly. 200,136; Sept. 30.
Shoes. Johansen Bros. Shoe Company. 199,355; Sept. 30.
Suits and topcoats, Men's and young men's. Dvorkin Bros. 199,978; Sept. 30.
Suits, Boys' wash. Stix, Baer & Fuller Dry Goods Co. 199,656; Sept. 30.
Suits, Evening dress. S. Rudofker's Sons. 200,407; Sept. 30.
Swimming suits. Jantzen Knitting Mills. 199,628; Sept. 30.
Trousers, pants, overalls and overall jackets, Men's. Jacobson Brothers. 199,703; Sept. 30.
Underhose. "Onyx" Hosiery Inc. 199,568; Sept. 30.
Underwear. Kunin-Solomon, Inc. 198,528; Sept. 30.
Underwear, hosiery, and work clothing. H. Levi & Co. 156,967; Sept. 30.
Underwear, Men's. Geo. P. Ide & Co. 201,451; Sept. 30.

CLASS 41.

Umbrellas. National Department Stores, Inc. 200,515; Sept. 30.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 42.

Blankets and spreads. G. Ostino. 193,675; Sept. 30.
Cotton piece goods. Appleton Company. 201,275; Sept. 30.
Cotton piece goods. Herbert B. Lederer Corp. 200,501; Sept. 30.
Cotton piece goods. Bleached. Claflins Incorporated. 176,719; Sept. 30.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.). 199,527; Sept. 30.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 199,529; Sept. 30.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 199,531; Sept. 30.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 199,536; Sept. 30.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 201,388; Sept. 30.
Knitted silk fabrics. Lang Knitting Mills, Inc. 200,995–6; Sept. 30.
Knitted silk fabrics. Lang Knitting Mills, Inc. 200,998; Sept. 30.
Rugs, tie cloth, shawls and scarfs, table linen, tablecloths. Chs. Lavy & Co. 191,328; Sept. 30.
Rugs, tie cloth, shawls and scarfs, table linens, tablecloths. Chs. Lavy & Co. 191,633; Sept. 30.
Veil and hair net and veils and hair nets made from natural hair. Combination. National Trading Company. 197,442; Sept. 30.
Woolen piece goods. E. J. Wile & Co. 194,499; Sept. 30.

CLASS 43.

Thread. Alsa S. A. 199,028; Sept. 30.

CLASS 44.

Heat-producing bags, Chemical. Western Sales Agency, Inc. 194,425; Sept. 30.
Mit, Chemically-treated gauze. M. W. Ean. 198,795; Sept. 30.
Therapeutical appliances, Electrical. B. N. Burglund. 200,034; Sept. 30.

CLASS 45.

Vermouth. Societa Anonima Francesco Cinzano & Cia. 191,918; Sept. 30.

CLASS 46.

Apples. S. E. Glinsky. 178,176; Sept. 30.
Apples and pears. Cashmere Skookum Growers. 193,897; Sept. 30.
Apples, cantaloupes, pears, cherries, etc. F. E. Nellis & Company. 169,555; Sept. 30.
Beans. Michigan Elevator Exchange. 197,493; Sept. 30.
Bread. S. A. Harum, & Co. 198,636; Sept. 30.
Bread. D. P. Woolley. 181,366; Sept. 30.
Bread, Health. Pollack Weeks Company. 200,828; Sept. 30.
Butter. T. M. Sinclair & Co. 201,379; Sept. 30.
Candies, chocolate coated nuts, fudge, etc. Kibbe Brothers Company. 200,322; Sept. 30.
Candy. Fred W. Amend Co. 200,028; Sept. 30.
Candy. Bunte Brothers. 201,390; Sept. 30.
Candy. G. D. Caraméros. 198,932–3; Sept. 30.
Candy. Crisp Packing Company. 201,393; Sept. 30.
Candy. Henry Helde, Inc. 191,484; Sept. 30.
Candy. Palmer Candy Co. 147,121; Sept. 30.
Candy on stick or peg. Bradley, Smith Co. 199,674; Sept. 30.
Canned evaporated and condensed milk. Detroit Commerce Company. 193,995; Sept. 30.
Canned goods, spices, tea, coffee, etc. Royal Blue Stores, Inc. 194,488; Sept. 30.
Canned oysters. H. O. Lowden. 194,724; Sept. 30.
Canned peas and corn. Keene-Belvidere Canning Company. 199,360; Sept. 30.
Canned vegetables and fruit. Danville Wholesale Grocery Co. 173,408; Sept. 30.
Capers, mushrooms, canned peas, etc. James P. Smith & Company. 194,957; Sept. 30.
Cereal breakfast food and pancake flour. A. M. Holton. 160,550; Sept. 30.
Cereal breakfast foods. M. J. Ginter. 198,232; Sept. 30.
Chicks and chickens, and eggs, Live. J. A. Krels. 193,840; Sept. 30.
Chocolates and candies. A. C. Croft. 201,225; Sept. 30.
Cocoa. H. O. Wilbur & Sons, Inc. 137,349; Sept. 30.
Coffee, canned apples, dried prunes, and food-flavoring extracts. Janszen Grocery Company. 198,640; Sept. 30.
Coffee, Roasted. Geo. R. Newell & Co. 196,609; Sept. 30.
Coffees, Green. Westfeldt Brothers. 200,792; Sept. 30.
Confection. W. H. Ends. 168,759; Sept. 30.
Confections. C. B. Baker. 199,971; Sept. 30.
Cookies, cakes, crackers, and biscuits. Paul Schulze Biscuit Co. 199,649; Sept. 30.
Crackers, biscuits, confections, etc. Paul Schulze Biscuit Co. 200,968; Sept. 30.
Dressing, Salad. C. G. Meaker Co. 200,055; Sept. 30.
Dressing, Salad. Schlorer Delicatessen Co. 200,157; Sept. 30.
Eggs. E. Lebers. 201,246; Sept. 30.
Eggs. H. Semken & Co. 200,645; Sept. 30.
Extract from plant substances for use as an ingredient in food. E. H. Miles. 197,104; Sept. 30.
Feeds, cereals, and flours, Livestock. Nicholls Grain & Milling Co. 199,758; Sept. 30.
Ferments used in cheese making. J. Spohr. 199,955; Sept. 30.
Flavors, Fruit. Fruitfrost Corporation. 191,480; Sept. 30.
Flour. Royal Milling Company. 197,962; Sept. 30.
Flour, bran, shorts, corn meal, etc., Wheat. Texas Star Flour Mills. 157,699; Sept. 30.
Flour, Fancy durum. North Dakota Mill and Elevator Association. 197,338; Sept. 30.
Flour, Wheat. Colorado Milling & Elevator Company. 200,864; Sept. 30.
Flour, Wheat. Pillsbury Flour Mills Company. 173,380; Sept. 30.
Flour. Wheat. Scott Logan Milling Co. 200,902; Sept. 30.
Flour, Wheat. Southwestern Milling Company. 185,383; Sept. 30.
Food, Prepared. Eustace Miles Foods (1921) Limited. 198,322; Sept. 30.
Fudge. Brownley's Inc. 197,002–12; Sept. 30.
Fudge candy. A. Olsen, jr. 172,344; Sept. 30.
Grapes, Fresh. O. H. Churchill Co. 201,329; Sept. 30.
Grapes, Fresh. Keystone Cooperative Grape Association. 195,005; Sept. 30.
Melons. H. S. Speich. 189,276; Sept. 30.
Milk and cream. Puritan Dairy, Inc. 197,169; Sept. 30.
Milk, canned vegetables, wheat flour, Evaporated. Great American Stores Co. 193,919; Sept. 30.
Oats and stock foods. Callahan & Sons. 199,878; Sept. 30.
Oil, Olive. Cafiero & Mencacci. 196,691; Sept. 30.
Oil, Olive. H. D. Capriata. 170,179; Sept. 30.
Oil, Olive. James P. Smith & Company. 195,081; Sept. 30.
Oleomargarine. Wilson & Co., Inc. of California. 201,270; Sept. 30.
Oranges. H. S. Speich. 189,277–8; Sept. 30.
Poultry and eggs, Dressed. W. T. Dearmin. 200,138; Sept. 30.
Shirts, Work, negligee and dress. Fashion Wear Shirt Company. 199,836; Sept. 30.
Sirups, Table. H. C. Long. 198,319; Sept. 30.
Sweetmeats. Gritzner & Ditzel. 131,367; Sept. 30.
Vegetables. Biggar-Padgett Company. 199,929; Sept. 30.
Walnuts, almonds, pineapple, etc. Sunset Nut Shelling Company. 125,762; Sept. 30.

CLASS 50.

Waterproofed and rubberized fabrics. Pocono Rubber Cloth Company. 201,510; Sept. 30.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aarsrud, John, Chicago, Ill. Wall form. 1,510,082; Sept. 30.
Adams, William E., and C. B. Hall, Tulsa, Okla. Apparatus for separating the gas, oil, and water from oil wells. 1,509,820; Sept. 30.
Adler, John A., North Milwaukee, Wis. Rear light, license plate, and holder therefor. 1,510,026; Sept. 30.
Advent, Stanley, Detroit, Mich. Life-saving fender for vehicles. 1,509,991; Sept. 30.
Ahlers, David E. (See Huth, L. R., and Ahlers.)
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Control system for compressors and the like. 1,510,169; Sept. 30.
Aktiebolaget, Original-Odlinor. (See Von Post, Carl G., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Lapp, Emil, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Rüegger, Eduard, assignor.)
Aldridge, James G. W., London, England. Apparatus for charging and discharging gas retorts. 1,510,370; Sept. 30.
Alexander, Albert D., Fredericksburg, Va. Bushing extractor and inserter. 1,510,291; Sept. 30.
Allen, Arthur E. (See (Mack, T. E., and Allen.)
Allen, Howard G., assignor to The J. L. Morrison Company, Inc., Niagara Falls, N. Y. Motion-transmitting mechanism. 1,510,128; Sept. 30.
Allen, James M., assignor to J. M. Allen, F. P. Smith, and F. D. Tucker, as trustees for the Smith-Allen Battery Company, St. Louis, Mo. Electrode or grid for storage batteries. 1,509,992; Sept. 30.
Allen, James M., et al., trustees. (See Allen, James M., assignor.)
Allison, Arnold A., Teakworth, Transvaal, South Africa. Power baler. 1,510,371; Sept. 30.
Allison Engineering Company. (See Gilman, Norman H., assignor.)
Aluminum Company of America. (See Salisbury, Robert F., assignor.)
Alvis, John B. (See Severin, Anna, assignor.)
Ambrosio, Louis, Richmond Hill, N. Y. Combined drilling and grinding machine. 1,510,372; Sept. 30.
Amend, Arthur, New York, N. Y. Duplex brake mechanism for motor vehicles. 1,509,919; Sept. 30.
American Creosoting Company. (See Austin, H. E., and Cook, assignors.)
American Optical Company. (See Gunning, William A., assignor.)
American Optical Company. (See Kelley, William J., assignor.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Optical Company. (See Schumacher, E. L., and Bontelle, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Vernam, Gilbert S., assignor.)
Andersen, Fridtjof. (See Wennergren, F. J. A., and Andersen.)
Andersen, Tengel, Port Richmond, N. Y. Guide for power hammers. 1,509,821; Sept. 30.
Anderson, Edward L., assignor to R. & G. Company, Attleboro, Mass. 1,510,292; Sept. 30.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Rotative friction joint. 1,510,027; Sept. 30.
Antidolor Mfg. Co., The. (See Waite, Ralph B., assignor.)
Appleton Electric Co. (See Anderson, Ernst G. K., assignor.)
Argy, William P., Turners Falls, Mass., assignor to International Paper Company. Valve mechanism. 1,510,129; Sept. 30.
Arnott, Frank H., London, England. Carburetor. 1,510,028; Sept. 30.
Aronson, Alexander, Newark, N. J. Electric-lamp stand. 1,510,130; Sept. 30.
Austin, Harold E., Louisville, Ky., and J. C. Cook, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky. Bolster-arm car. 1,510,202; Sept. 30.
Automatic Electric Company. (See Wicks, John, assignor.)
Automatic Refrigerating Company, The. (See Marshall Henry H., assignor.)
Automatic Seating Company. (See Ericksen, John E., assignor.)
Avery, William H. (See Henry, George J., assignor.)
Axness, Elmer M., Montevideo, Minn. Toilet kit. 1,509,894; Sept. 30.
Babasinian, Vahan S. (See Sachs, J. H., and Babasinian.)
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Making decolorizing carbons. 1,510,131; Sept. 30.
Backhaus, Arthur A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Purifying carbon dioxide advantageously. 1,510,373; Sept. 30.
Bacon, Raymond F., New York, and C. H. Kidwell, New Brighton, N. Y., assignors to J. M. Van Heusen, Boston, Mass. Making moldable fabric for various uses. 1,509,920; Sept. 30.
Badour, Philip A. (See Baldwin, Charles E., assignor.)
Baker, John C., Nutley, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Producing nitrogen trichloride. 1,510,132; Sept. 30.
Balley, Ernest L., C. H. Scott, and W. Wiley, Lookout, Ky. Mine door. 1,510,374; Sept. 30.
Baldwin, Charles E., assignor of one-fourth to P. A. Badour, Oconto, Wis. Tire-valve stem. 1,510,029; Sept. 30.
Baldwin, Edmond H., Alameda, Calif. Cooking plate. 1,510,030; Sept. 30.
Balmanno, William A., Albuquerque, N. Mex. Oil cup for air compressors. 1,509,895; Sept. 30.
Bamber, Herbert W., assignor to M. S. Bezencenet, London, England. Gas producer for use in automobiles and the like. 1,510,375; Sept. 30.
Barnes, Arthur A. (See Fuhr, J. B., and Barnes.)
Barnhart, Clarence L., South Brooklyn, N. Y. Striking machine. 1,510,203; Sept. 30.
Bank of Italy of San Francisco, trustee. (See Voliva, Agnes, assignor.)
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bavorey, François, assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,510,293; Sept. 30.
Bazzill, Charles, Trinidad, Colo. Trap nest. 1,510,204; Sept. 30.
Beaton, John J., Wareham, Mass. Shipping pack. 1,509,921; Sept. 30.
Beaty, James T., assignor to Liddell Company, Charlotte, N. C. Cotton tramper. 1,510,205; Sept. 30.
Bedford, Clayton W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator for the vulcanization of caoutchouc. 1,510,074; Sept. 30.
Bell, Fred C., Alameda, Calif. Hose reel. 1,509,993; Sept. 30.
Bell, William A., assignor to C. M. Hull Lamp Company, Kenosha, Wis. Vehicle signal lamp. Des. 65,682; Sept. 30.
Belz, Hugo. New York, N. Y. Safety mail bag. 1,509,922; Sept. 30.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, John P., East Providence, R. I. Fountain pen. Des. 65,683; Sept. 30.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable contact. 1,509,822; Sept. 30.
Berninghaus, Eugene, assignor to The Eugene Berninghaus Company, Cincinnati, Ohio. Surgical and dental chair. 1,510,376; Sept. 30.
Berninghaus, Eugene, Company, The. (See Berninghaus, Eugene, assignor.)
Berntson, Arthur H., Salt Lake City, Utah. Ear tag. 1,510,083; Sept. 30.
Berryman, Harry H., Chicago, Ill. Window stop and antirattler. 1,509,923; Sept. 30.
Bertrand, Napoleon A., Pittsfield, Mass. Combined key guard, clothes hook, and towel rack. 1,510,294; Sept. 30.
Beste, August, et al. (See Feely, Thomas J., assignor.)
Bezencenet, Maurice S. (See Bamber, Herbert W., assignor.)
Beyer, Fred, Denver, Colo. Artificial flower. 1,510,031; Sept. 30.

Bjornsson, Carl A., Wellsville, N. Y. Internal-combustion engine. 1,509,924; Sept. 30.
Blake, Dennis B. D., Quincy, Ill. Cover for vehicle springs. 1,510,447; Sept. 30.
Bliss, Charles F., Olive, Calif. Automobile signal. 1,510,032; Sept. 30.
Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lapping machine. 1,509,823; Sept. 30.
Blose, Bert H., Johnsonburg, Pa. Lubricating means for journal boxes. 1,510,377; Sept. 30.
Bobrick, Gabriel A., Los Angeles, Calif. Liquid dispenser. 1,510,075; Sept. 30.
Boehm, Oscar A., New York, N. Y. Spark plug. 1,510,253; Sept. 30.
Bohli, Jacques, assignor to the Firm Scintilla, Solothurn, Switzerland. Electric ignition apparatus for internal-combustion engines. 1,510,437; Sept. 30.
Bolandi, Raphael, New York, N. Y. Machine for attaching beads to fabrics. 1,510,378; Sept. 30.
Bold, Albert J., Oakland, Calif. Floodgate. 1,510,033; Sept. 30.
Bond, Thomas, Brantford, Ontario, Canada. Bank cage. 1,510,206; Sept. 30.
Bongers, Arnold H., assignor of one-half to G. Boudon, London, England. Appliance for permanent hair waving. 1,510,448; Sept. 30.
Booth, Harold S., and G. G. Marshall, Cleveland, Ohio. Preparing substances in finely-divided form. 1,509,824; Sept. 30.
Bost, William, St. Charles, Va. Railway tie. 1,510,207; Sept. 30.
Bostwick, Cyrus R., Mariposa, N. Y., assignor of one-half to H. Wallace, Glen Ridge, N. J. Car seal. 1,509,925; Sept. 30.
Boudou, Gaston. (See Bongers, Arnold H., assignor.)
Boutelle, William H. (See Schumacher, E. L., and Boutelle.)
Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,509,926; Sept. 30.
Bowers, Robert H., Nashville, Tenn. Can opener and paring knife. 1,509,927; Sept. 30.
Boyle, Charles H., New Haven, Conn. Coring device. 1,509,858; Sept. 30.
Boyle, John O., Youngwood, Pa. Pliers. 1,510,254; Sept. 30.
Bracken, Earl J., Butte, Mont. Tag fastener. 1,510,379; Sept. 30.
Bracken, Earl J., Butte, Mont. Tag-fastening means. 1,510,380; Sept. 30.
Brader, James E., Bethlehem, Pa. Paper hanger's seam roller. 1,510,034; Sept. 30.
Bradley, Freeman, J., Fostoria, Ohio. Pulling device. 1,510,035; Sept. 30.
Brainerd, Charles F., and G. H. Toulson, Endicott, N. Y. Portable power drive. 1,510,084; Sept. 30.
Brander, Yrjö, and G. S. Gyllenberg, Tampere, Finland. Hand plane. 1,510,295; Sept. 30.
Bratton, Roscoe, Lebanon, Ind. Change-quick underwear. 1,510,255; Sept. 30.
Breder, August A., Egg Harbor City, N. J. Drive means for phonographs. 1,510,381; Sept. 30.
Breeds, William R., Toronto, Ontario, Canada. Thermostatic controlling device for hot-water-boiler heaters. 1,509,928; Sept. 30.
Breguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Protecting device for fuel tanks. 1,510,133; Sept. 30.
Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Collapsing tap. 1,510,296; Sept. 30.
Brenizer, Orson W., assignor of one-fourth to A. V. Groupe, Philadelphia, Pa. Cable support. 1,510,085; Sept. 30.
Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,510,297; Sept. 30.
Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,298; Sept. 30.
Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,299; Sept. 30.
Brhel, John W. (See Palmer, H. D., and Brhel.)
Brintzenhofe, Otto, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Swivel caster. 1,510,300; Sept. 30.
Broadwell, Bartley E., assignor to Republic Carbon Company, Inc., Niagara Falls, N. Y. Electrode for electrometallurgical furnaces. 1,510,134; Sept. 30.
Brown, Clarence D. (See Reynolds, Joshua C., assignor.)
Brown, John W., jr., Philadelphia, Pa. Machine tool. 1,510,135; Sept. 30.
Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Manufacturing machine belts. 1,510,449; Sept. 30.
Brückner, Heinrich L. O., Grenzhammer, near Ilmenau, Germany. Vacuum-insulated bottle. 1,510,301; Sept. 30.
Bryant Electric Company, The. (See Thomas, George B., assignor.)
Budrow, William A., Pittsfield, Mass. Golf tee. 1,510,302; Sept. 30.
Bugatti, Ettore, Molsheim, France. Resilient-shaft-bearing-retaining device. 1,510,303; Sept. 30.
Burkit, Benjamin F., Walton, Ind. Corn planter. 1,510,036; Sept. 30.
Burrull, Salvador C., Barcelona, Spain. Tool. 1,510,037; Sept. 30.
Busch-Sulzer Bros.-Diesel Engine Company. (See Hawks, Arthur S., assignor.)
Büschmann, Theodor E., Chemnitz-Kappel, assignor to Wanderer-Werke vorm. Winkelhofer & Jaenicke Aktiengesellschaft, Schonau, Chemnitz, Germany. Tabulator for typewriters. 1,510,382; Sept. 30.
Buttery, Robert A. (See Rasnick, J. S., Buttery, and Lusk.)
Caballero, Armando C., New York, N. Y., assignor to The Universal Coding System Co. Ltd., Valparaiso, Chile. Cryptographic apparatus. 1,509,929; Sept. 30.
Calkins, Arthur H., Spokane, Wash. Tire shield. 1,509,859; Sept. 30.
Camblin, Robert G., assignor of one-half to A. R. Edmondson, Bartlesville, Okla. Cut-off valves. 1,510,038; Sept. 30.
Cameron, Will J., Chicago, Ill. Illuminated tongue depressor. 1,510,304; Sept. 30.
Campbell, George L., Philadelphia, H. R. Noll, Williamsport, and H. G. Davis, assignors, by mesne assignments, to S. P. Curtiss, Philadelphia, Pa. Electric traction system. 1,510,383; Sept. 30.
Campbell, William W., Yokohama, Japan. Hatch-cover fitting. 1,510,305; Sept. 30.
Campbell, William W., Yokohama, Japan. Cleat. 1,510,306; Sept. 30.
Canfield, Wallace, Taft, Calif. Gas burner for boilers and other furnaces. 1,510,039; Sept. 30.
Cannady, Ezra H., Kansas City, Mo. Curbing. 1,509,860; Sept. 30.
Canterbury, Walter C., Beckley, W. Va. Mine door. 1,510,208; Sept. 30.
Cape, Ira F. (See Thompson, W. H., and Cape.)
Carr, David B., Portland, Oreg. Grading machine. 1,510,076; Sept. 30.
Carroll, John T., Houston, Tex. Stump-cutting machine. 1,509,994; Sept. 30.
Carter, Bernard J., Cleveland, Ohio. Stove board. 1,510,040; Sept. 30.
Case, J. I., Threshing Machine Company. (See Caughey, Robert C., assignor.)
Castellanos, Dionisio C., San Quentin, Calif. Thermo-controlled electric device. 1,510,384; Sept. 30.
Caton, Fred A., La Grange, Ill. Register for golf practice. 1,509,825; Sept. 30.
Caughey, Robert C., Dixon, Ill., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Agricultural-implement frame. 1,509,826; Sept. 30.
Caulk, L. D., Company, The. (See Davis, Wallace C., assignor.)
Caulkins, Cecil P., New London, Conn. Game apparatus. 1,510,385; Sept. 30.
Chaddock, George A., Liverpool, England. Device for utilizing the reactive force set up by rotating a screw propeller or screw fan or the like in a fluid. Re15,922; Sept. 30.
Chamberlain, Walter W., Watertown, N. Y. Duplex wiper for windshields. 1,510,041; Sept. 30.
Chandler, Alexander. (See Gage, Edward G., assignor.)
Channell, Isaac M., Duquesne, Pa. Automatic cut-off. 1,510,386; Sept. 30.
Charsky, Benjamin, Brooklyn, N. Y. Lunch kit. 1,509,930; Sept. 30.
Chicago Bridge & Iron Company. (See Daniels, Edwin G., assignor.)
Chicago Malleable Castings Company. (See Osborn, Warren M., assignor.)
Christie, Lindsay R., assignor of one-half to Duff Patents Company, Incorporated, Pittsburgh, Pa. Drier. 1,510,307; Sept. 30.
Christman, Fred C., Galion, Ohio. Automobile hoist. 1,510,209; Sept. 30.
Citizens of the United States of America. (See Thelen, Rolf.)
Clewett, Louis O., Los Angeles, Calif., assignor to Los Angeles Pump & Supply Co. Pump liner. 1,510,042; Sept. 30.
Clifford, Curtis T., San Francisco, Calif. Sprinkler head. 1,510,444; Sept. 30.
Cobbs, Ansalem O. and L. V., Spencer, Iowa. Arch support. 1,510,308; Sept. 30.
Cobbs, Leo V. (See Cobbs, Ansalem O. and L. V.)
Coleman, William J., Cleveland, Ohio. Fare holder. 1,509,861; Sept. 30.
Coletti, John. (See Pietz, F., and Coletti.)
Collet, Francis J., Swanick, near Southampton, England. Collapsible boat. 1,509,827; Sept. 30.
Collier, Arthur H., and A. R. Winkler, Bayonne, N. J. Spring-winding attachment for talking machines. 1,510,309; Sept. 30.
Compagna, Alexandre, Biddeford, Me., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin-holding device for stationary magazines. 1,509,931; Sept. 30.
Conant, Arthur P. (See Wadsworth, A. W., and Conant.)
Connell, John M., and F. E. Graves, Braintree, Mass. Shoe and making same. 1,510,136; Sept. 30.

Conning, James, Chicago, Ill. Pipe cutter. 1,510,256; Sept. 30.
Cook, Jesse C. (See Austin, H. E., and Cook.)
Cook, John G., Brooklyn, N. Y., assignor to Klaxon Company. Reel. 1,510,387; Sept. 30.
Copeman, Lloyd G., Flint, Mich. Refrigerator lining. 1,509,932; Sept. 30.
Copland, James R., Danville, Va., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism. 1,509,933; Sept. 30.
Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,509,828; Sept. 30.
Corduroy Tire Company. (See Swan, Herbert H., assignor.)
Corning Glass Works. (See Pascucci, Emilio, assignor.)
Costmeter Company. (See Quigley, John T., assignor.)
Cowdrey Harry C., New York, N. Y. Gripping mechanism for printing presses. 1,510,310; Sept. 30.
Craig, John F., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle brake. 1,509,934; Sept. 30.
Cribbins, John W., Derby, Conn. Device for towing automobiles. 1,510,257; Sept. 30.
Crockett, Duncan, Mansfield, Victoria, Australia. Friction-grip suspender. 1,510,137; Sept. 30.
Crompton & Knowles Loom Works. (See Compagna, Alexandre, assignor.)
Crompton & Knowles Loom Works. (See Copland, James R., assignor.)
Crouch, Edward L. (See Lakey, C. W., and Crouch.)
Crnoev, Jan, St. Louis, Mo. Fastener for soft-collar points. 1,510,258; Sept. 30.
Cru, Paul M., New York, N. Y. Invalid's vehicle. 1,510,311; Sept. 30.
Cumfer, Harry A. (See McFarland, Owen D., assignor.)
Cunningham, Andrew O., St. Louis, Mo. Bascule bridge. 1,510,043; Sept. 30.
Cunningham, Edward F., Brooklyn, N. Y. Inking pad and stump rack. 1,510,312; Sept. 30.
Curtiss, Samuel P. (See Campbell, G. L., Noll, and Davis, assignors.)
Cyrenius, Lloyd W., New York, N. Y. Medicinal preparation and process of making the same. 1,510,259; Sept. 30.
Cyrenius, Lloyd W., New York, N. Y. Capsule. 1,510,260; Sept. 30.
Daniels, Edwin G., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Punch head. 1,510,261; Sept. 30.
Dannelley, Fletcher A., Lockhart, Tex. Starter casing. 1,510,044; Sept. 30.
Darling, Louise, Toronto, Ontario, Canada. Garment and shoulder strap therefor. 1,510,388; Sept. 30.
Davis, Harry G. (See Campbell, G. L., Noll, and Davis.)
Davis, Wallace C., Lincoln, Nebr., assignor to The L. D. Caulk Company, Milford, Del. Hatchet pick. 1,510,262; Sept. 30.
Day, David T., Washington, D. C. Firing retort furnaces. 1,510,045; Sept. 30.
Day, William H., Hounslow, England. Machine for molding night lights. 1,510,210; Sept. 30.
Deal, Caleb P. (See Newsom, J., and Deal.)
De Cairos-Rego, George, Sydney, New South Wales, Australia. Electric vibrator. 1,510,138; Sept. 30.
Defiance Sales Corporation. (See Oakley, Theophield D., assignor.)
Defibaugh, Mark A., and R. J. Thieman, assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Centrifugal starting switch. 1,510,263; Sept. 30.
Dehn, William M., Seattle, Wash. Explosive and its manufacture. 1,509,935; Sept. 30.
Dental Manufacturing Company, Limited, The. (See Herman, E. E., and Riley, assignors.)
Deutsch-Koloniale Gerb- & Farbstoff-Gesellschaft m. b. H. (See Römer, Adolf, assignor.)
De Witt, Melville L., Easton, Mass. Swimming aid. 1,510,211; Sept. 30.
Dickerman, Edward M. (See Vaughan, W. D., and Dickerman.)
Dickerson, Arthur, assignor to Mechanical Development Company, Salt Lake City, Utah. Cylinder-boring machine. 1,510,389; Sept. 30.
Dickerson, Leary, Nesting, Va. Oyster-punching device. 1,510,313; Sept. 30.
Dolbear, Clinton E., assignor to Industrial Research Co., San Francisco, Calif. Separation of alkali-metal salts. 1,510,046; Sept. 30.
Doring, Max B. A., Brooklyn, assignor to Doring Company, Inc., New York, N. Y. Brake. 1,510,390; Sept. 30.
Doring Company. (See Doring, Max B. A., assignor.)
Dorris, George P., St. Louis Mo. Steering-wheel brake for automobiles. 1,510,264; Sept. 30.
Dorsey, Arthur, Hartford, Conn. Time-indicating mechanism. 1,510,139; Sept. 30.
Doty, Maurice F., Chicago, Ill. Pouch. 1,509,829; Sept. 30.
Douglass, Leon F., Menlo Park, Calif. Device for producing duplicate images on photographic films. 1,509,936; Sept. 30.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-cooling device. 1,509,937; Sept. 30.
Draver, Emil R., Richmond, Ind., assignor to B. F. Gump Company, Chicago, Ill. Transmission mechanism for feeders connected in a gang. 1,510,439; Sept. 30.
Du Bois, Rhesa G., East Orange, N. J. Device for opening stopped drainpipes. 1,510,212; Sept. 30.
Duff Patents Company. (See Christie, Lindsay R., assignor.)
Duncan, William M., Alton, Ill. Furnace and means for controlling the draft therein. 1,509,995; Sept. 30.
Dunlop Rubber Company. (See Powell, George F. C., assignor.)
Dunn, William G., Clarinda, Iowa. Motor support and thrust member. 1,510,047; Sept. 30.
Du Pont, E. I., de Nemours & Company. (See Sachs, J. H., and Babasinian, assignors.)
Durand Steel Locker Company. (See Vance, Walter N., assignor.)
Dykes, John L. G., Chicago, Ill., assignor to Dykes Tire Machinery Company, Washington, D. C. Making rubber-tire articles and the like. 1,509,938; Sept. 30.
Dykes Tire Machinery Company. (See Dykes, John L. G., assignor.)
E. & J. Bass, Incorporated. (See Negbaur, Harry, assignor.)
Edick, Roy E., Gladwin, Mich. Pet cock. 1,509,862; Sept. 30.
Edmondson, Anthony R. (See Camblin, Robert G., assignor.)
Electric Auto-Lite Company, The. (See Howland, Clarence O., assignor.)
Electric Vacuum Cleaner Company. (See Brintzenhofe, Otto, assignor.)
Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
Elkin, Jacob G., assignor to W. D. Sprague, New York, N. Y. Controlling fluids under pressure. 1,509,939; Sept. 30.
Elliott, Lilyan M., San Diego, Calif. Bottle holder. 1,509,940; Sept. 30.
Elliott, Mark, et al. (See Feely, Thomas J., assignor.)
Elting, Theodor, Chicago, Ill. Ventilator. 1,509,996; Sept. 30.
Englesson, John E., Kristinehamn, Sweden. Arrangement at hubs for turbine, pump, or propeller wheels with turnable vanes. 1,510,086; Sept. 30.
Englesson, John E., Kristinehamn, Sweden. Hub for impellers with turnable vanes. 1,510,436; Sept. 30.
Erickson, John E., St. Paul, Minn., assignor to Automatic Seating Company, Superior, Wis. Automatic folding-seat device. 1,509,863; Sept. 30.
Ericsson, Evert, Christiania, Norway. Casting machine for the manufacture of core castings such as tubes and the like. 1,509,896; Sept. 30.
Esselen, Gustavus J., jr., Swampscott, assignor to Arthur D. Little, Inc., Cambridge, Mass. Producing a mixture of mono- and di-acetins. 1,509,864; Sept. 30.
Evans, E. Lewis, secretary-treasurer of The Tobacco Workers International Union. (See Lakey, C. W., and Crouch, assignor.)
Evans, Elisha F., Homerville, Ga. Wheel guard. 1,510,048; Sept. 30.
Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric-furnace-balancing system. 1,509,941; Sept. 30.
Ewing, Harry E., Uniontown, Pa. Cover for check books. 1,510,213; Sept. 30.
Fahrney, Emery H., Chicago, Ill. Car wheel. 1,509,942; Sept. 30.
Fair, Andrew A., Sioux City, Iowa. Luminous sign. 1,510,049; Sept. 30.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety controller handle. 1,509,943; Sept. 30.
Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and cooler. 1,510,140; Sept. 30.
Feely, Thomas J., Duluth, assignor of three-eighths to M. Elliott and one-fourth to A. Beste, Virginia, Minn. Draft appliance. 1,510,391; Sept. 30.
Fess, James J., P. J., and J. P., Rochester, N. Y. Willow or cane furniture. 1,509,865; Sept. 30.
Fess, Joseph P. (See Fess, James J., P. J., and J. P.)
Fess, Peter J. (See Fess, James J., P. J., and J. P.)
Filkins, Arthur J., Riverside, Ill. Car chimney. 1,510,265; Sept. 30.
Fischedick, Oscar F., and A. W. Krahn, Milwaukee, Wis., assignors, by mesne assignments, to Sunbeam Electric Manufacturing Company, Evansville, Ind. Driving and controlling mechanism for washing machines. 1,509,830; Sept. 30.
Fish, Thomas, Bridgeport, Conn. Lathe dog. 1,510,141; Sept. 30.
Fisher, Samuel, Baltimore, Md. Sponging machine. 1,510,392; Sept. 30.
Fleming, Frank E., assignor to The Underfeed Stoker Company of America, Detroit, Mich. Tuyère block. 1,510,266; Sept. 30.
Flower, Perl F., La Fayette, Ind. Hoop setter. 1,510,050; Sept. 30.

Fegg, Thomas, Chicago, Ill. Incinerator. 1,510,193; Sept. 30.
Fonlupt, Georges, Paris, France. Dumping vehicle. 1,510,170; Sept. 30.
Forbes, Byron, Miami, Ariz. Belt conveyer. 1,510,051; Sept. 30.
Ford, Arthur, Collinsville, Ala. Mail-bag-handling device. 1,510,214; Sept. 30.
Forgette, Joseph O., and R. Legois, Hartford, Wis. Device for controlling the heat of internal-combustion motors. 1,509,944; Sept. 30.
Frazier, Charles A., Fairoaks, Calif. Pipe band. 1,510,394; Sept. 30.
Friedman, Albert J., Chicago, Ill. Wedding ring. Des. 65,684; Sept. 30.
Fritz, Louis, Memphis, Tenn. Tire. 1,510,215; Sept. 30.
Fry, George W., Toledo, Ohio. Pneumatic chuck. 1,509,997; Sept. 30.
Fry, Peter L., Luling, Tex. Plow standard. 1,510,314; Sept. 30.
Fuchs, Josef, Schwyz, Switzerland. Ship's cabin. 1,509,945; Sept. 30.
Fuhr Barnes Manufacturing Company. (See Fuhr, J. B., and Barnes, assignors.)
Fuhr, Joseph B., and A. A. Barnes, assignors to Fuhr-Barnes Manufacturing Company, Philadelphia, Pa. Demountable rim. 1,510,395; Sept. 30.
Fuller, Harry A., Brooklyn, N. Y. Control for four-wheel-brake mechanism. 1,510,315; Sept. 30.
Fulper, William H., Flemington, N. J. Lamp shade or similar article. Des. 65,685; Sept. 30.
Fulper, William H., Flemington, N. J. Lamp shade or similar article. Des. 65,686; Sept. 30.
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,509,866; Sept. 30.
Gabrielson, Carl. (See Meldrum, A., and Gabrielson.)
Gage, Edward G., South Norwalk, Conn., assignor of one-half to A. Chandler, New York, N. Y. Carburetor. 1,509,946; Sept. 30.
Gammal, Charles A., Worcester, Mass. Bleaching powder. 1,510,216; Sept. 30.
Gasparaitis, Stanley, Chicago, Ill. Fountain paintbrush. 1,509,831; Sept. 30.
Geiger, Carl F., and F. C. Geiler, Dayton, Ohio. Refrigerating machine. 1,509,998; Sept. 30.
Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,510,267; Sept. 30.
Geiler, Frederick C. (See Geiger, C. F., and Geiler.)
General American Tank Car Corporation. (See Weaver, Robert R., assignor.)
General Electric Company. (See Mussina, F. W., and McMahon, assignors.)
General Electric Company. (See Rask, Louis, assignor.)
General Tire and Rubber Company, The. (See Iredell, Robert, assignor.)
Gentry, Oliver H., Rochester, N. Y. Hobbyhorse. 1,510,316; Sept. 30.
Geometric Tool Co., The. (See Breitenstein, Albert F., assignor.)
Gerberich, Clarence E., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Crate. 1,509,832; Sept. 30.
Gibbs, Bryant B., Maysville, N. C. Car replacer. 1,510,396; Sept. 30.
Gihlstrom, Victor A., and E. E. Lavalleur, Salem, Oreg. Coffee-urn-heating device. 1,510,268; Sept. 30.
Gillmann, Henry J. (See Jones, T. L., and Gillmann.)
Gilman, Albert E., assignor to King & Hamilton Company, Ottawa, Ill. Corn sheller. 1,509,833; Sept. 30.
Gilman, Norman H., assignor to Allison Engineering Co., Indianapolis, Ind. Change-speed indicator. 1,510,440; Sept. 30.
Girsch, Charles W., New York, N. Y. Combination ash tray and match holder. 1,509,999; Sept. 30.
Gleason, Ralph A., Baltimore, Md. Nut-shelling machine. 1,510,269; Sept. 30.
Gold, Egbert H., and E. A. Russell; said Russell assignor of his interest to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupling. 1,510,000; Sept. 30.
Gold, Matthew, Bayonne, N. J. Aeroplane. 1,510,317; Sept. 30.
Gold Seal Co. (See Nicholls, Robert W., assignor.)
Goldberg, Solam, Louisville, Ky. Toilet heating comb. 1,510,217; Sept. 30.
Goldman, Morris J., Staten Island, N. Y. Handle and making same. 1,510,142; Sept. 30.
Goldstone, Abraham M., Baltimore, Md. Combined top and truncated-cone radiating flue for oil stoves. 1,510,052; Sept. 30.
Goodrich, B. F., Company. (See Tew, James D., assignor.)
Goodwin, Edward, Folsom, Calif. Automatic egg grader. 1,510,218; Sept. 30.
Goodwin, William F., San Francisco, Calif. Milk-bottle closure. 1,510,397; Sept. 30.
Goodyear Tire & Rubber Company, The. (See Bedford, Clayton W., assignor.)
Gordon, David D., assignor to Stackhouse & Allen, Chicago, Ill. Switch mechanism. 1,510,270; Sept. 30.
Gordon, Frederick W., Belgrade Lakes, Me. Pin or similar article. Des. 65,687; Sept. 30.
Gordy, Charles A., Hanford, Calif. Can perforator. 1,509,867; Sept. 30.
Gorham Mfg. Co. (See Ring, John H., assignor.)
Gottschalk, Mathias, assignor to the Firm Vulkan-Werk Reinshagen & Co., Niederau, near Duren, Germany. Blast of cupola furnaces and blast furnaces. 1,510,271; Sept. 30.
Grace, Elihu C., Mobile, Ala. Bottle refrigerator. 1,510,053; Sept. 30.
Graham, J. H., Company. (See Graham, James H., assignor.)
Graham, James H., assignor to J. H. Graham Company, Torrington, Conn. Bicycle pedal. 1,509,834; Sept. 30.
Graham, Joseph F., Tunnelton, W. Va. Tire-chain fastener. 1,509,897; Sept. 30.
Grandle, James W., assignor of one-half to L. Lawler, Pierre, S. Dak. Supporter. 1,510,398; Sept. 30.
Graves, Frank E. (See Connell, J. M., and Graves.)
Green, Elliott G., Wolcott, N. Y. Balance switch for tractors. 1,510,318; Sept. 30.
Greenewalt, William E., Denver, Colo. Metallurgical process. 1,509,947; Sept. 30.
Grossenbach, Rudolph C., assignor to Metal Forms Corporation, Milwaukee, Wis. Aligner clamp. 1,509,835; Sept. 30.
Groupe, Andrew V. (See Brenizer, Orson W., assignor.)
Gump, B. F., Company. (See Draver, Emil R., assignor.)
Gunning, William A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,510,001; Sept. 30.
Gustavson, Henry. (See Rodriguez, A., and Gustavson.)
Gyllenberg, Georg S. (See Brander, Y. A., and Gyllenberg.)
H. & H. Patent Developing Company. (See Hebern, Edward H., assignor.)
Hackney, Edward W., Bridgeport, Nebr. Clothes drainer. 1,510,077; Sept. 30.
Had, Joseph, Duquesne, Pa. Carpet-beating machine. 1,510,319; Sept. 30.
Haines, Fuhrman L., Denver, Colo. Cooker for automobiles. 1,510,054; Sept. 30.
Haldeman, Harry F., Los Angeles, Calif. Loading rack for warehouses. 1,510,055; Sept. 30.
Haldeman, John J., and A. W. Vogel, Sunbury, Pa. Reed-polishing machine. 1,509,836; Sept. 30.
Hall, C. M., Lamp Company. (See Bell, William A., assignor.)
Hall, Charles B. (See Adams, W. E., and Hall.)
Hall, Charles W., Princeton, W. Va. Nut lock, 1,509,948; Sept. 30.
Hall, Preston M., Swampscott, assignor to Thomson Electric Welder Company, Boston, Mass. Welding and forging die. 1,510,078; Sept. 30.
Hamilton, Abraham, Calgary, Alberta, Canada. Automatic train stop. 1,510,320; Sept. 30.
Hammer, Charles, Hollis Court Boulevard, N. Y. Catchup cap. 1,509,949; Sept. 30.
Hamson, Arthur L., assignor of one-fourth to B. J. Lampe, Los Angeles, Calif. Clothes hanger. 1,510,056; Sept. 30.
Hapeman, Lincoln S., Waterbury, Conn. Button toggle. 1,509,837; Sept. 30.
Harding, Roswell B., Buckley, Wash. Auger guide. 1,510,219; Sept. 30.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harmount, Charles B., assignor of one-half to M. W. Renick, Middletown, Ohio. Collapsible clothesrack. 1,510,272; Sept. 30.
Harper, Augusta M., Safford, Ariz. Combined bedpan and mattress. 1,510,273; Sept. 30.
Harris, Harold. (See McClure, D. W., and Harris.)
Harrison, Thomas P., Raleigh, N. C. Sanitary covering for seats. 1,509,868; Sept. 30.
Hart and Hutchinson Manufacturing Company. (See Roby, Sheldon S., assignor.)
Harvey, Arthur R., Middletown, Ohio. Instrument for the automatic determination of moisture in paper or textiles. 1,509,869; Sept. 30.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,274; Sept. 30.
Hauck, Alois, Vienna, Austria. Counterbalance for stage lights. 1,510,399; Sept. 30.
Hawks, Arthur S., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Pump-valve mechanism. 1,510,143; Sept. 30.
Hayes, Samuel J., Rock Hill, S. C. Air train line coupling. 1,510,057; Sept. 30.
Heard, Frederick G., Ilford, England. Folding legs for articles of furniture. 1,510,171; Sept. 30.
Hearsch, Perham F., Seattle, Wash. Easy chair. 1,510,275; Sept. 30.
Hebern, Edward H., assignor to H. & H. Patent Developing Company, Oakland, Calif. Electric coding machine. 1,510,441; Sept. 30.
Hedrick, Jesse D., Marion, Ind. Coin sorter. 1,509,950; Sept. 30.
Heffer, Bert, Esher, England. Concrete-pipe-making machine. 1,510,220; Sept. 30.
Heller, Richard D., Boise, Idaho. Screening device. 1,510,058; Sept. 30.

Hennessy, Daniel E., Milwaukee, Wis. Vulcanizing apparatus. 1,510,276; Sept. 30.
Henry, George J., assignor to W. H. Avery, San Francisco, Calif. Ball-lock release and spring-actuating mechanism. 1,510,445; Sept. 30.
Herden, Wilhelm, Berlin, Germany. Machine for spinning dished articles of sheet metal. 1,510,400; Sept. 30.
Herman, Ernest E., Reading, and L. V. Riley, Maidenhead, England, assignors to The Dental Manufacturing Company Limited, Alston House, London, England. Vaporizer. 1,510,221; Sept. 30.
Herman, John H., Melbourne, Australia. Expansion percussion bit for drilling or boring operations. 1,510,222; Sept. 30.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Nozzle block. 1,510,144; Sept. 30.
Herrmann, Otto A., Waterbury, Conn. Sewage-treating apparatus. 1,510,223; Sept. 30.
Hess, William J., Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company. Toilet-seat attachment. 1,510,401; Sept. 30.
Hicks, William H., assignor to Lycurgus Lindsay, Los Angeles, Calif. Building construction. 1,510,224; Sept. 30.
Holle, Otto D., Bremen, Kans. Wrench. 1,510,059; Sept. 30.
Holmes, Frank A. B., Chicago, Ill., Self-closing pet cock. 1,510,002; Sept. 30.
Hoosier Manufacturing Company. (See Weesner, Clay, assignor.)
Hoover, Merton D. and O. L. M., Dallas, Tex. Gas burner. 1,510,060; Sept. 30.
Hoover, Orville L. M. (See Hoover, Merton D. and O. L. M.)
Hopwood, William, Manchester, England. Appliance for playing games resembling lawn tennis. 1,510,402; Sept. 30.
Hosenfeld, Martin, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacture of manganese-peroxide anodes. 1,510,172; Sept. 30.
Hosenfeld, Martin, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manganese-peroxide anode. 1,510,173; Sept. 30.
Hosmer, Fred E., Shreveport, La. Recovering gasoline. 1,510,433; Sept. 30.
Hosmer, Fred E., Shreveport, La. Recovering gasoline. 1,510,434; Sept. 30.
Hossack, Albert, assignor of one-half to The Victoria Falls and Transvaal Power Company Limited, Johannesburg, Transvaal, South Africa. Apparatus for removing ashes and clinkers falling from the grates of boilers or other furnaces. 1,510,277; Sept. 30.
Hovey, William, Rollingdam Station, New Brunswick, Canada. Hub construction. 1,510,278; Sept. 30.
Howard, Douglas C., et al. (See Rodriguez, A., and Gustavson, assignors.)
Howard, Ellis M., Oviedo, Fla. Triple valve for air-brake systems. 1,510,225; Sept. 30.
Howland, Clarence O., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Engine starter. 1,510,226; Sept. 30.
Hudson, David W., Green Bay, Wis. Paper-perforating mechanism. 1,509,838; Sept. 30.
Hudson, George R., London, England. Propeller pencil. 1,510,679; Sept. 30.
Hughes, Christopher C., Bondi, and J. Lewis, Waverley, New South Wales, Australia. Dumping press. 1,510,088; Sept. 30.
Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and door control. 1,509,951; Sept. 30.
Hunting, Merrill M., Chicago, Ill. Eraser support. 1,509,952; Sept. 30.
Huson, Alexander, Perth Amboy, N. J. Head-protecting attachment for raincoats. 1,510,145; Sept. 30.
Hussong Dyeing Machine Company. (See Thompson, James H., assignor.)
Huth, Lloyd R., and D. E. Ahlers, assignors of one-third to E. R. Woods, Carlisle, Pa. Bake pan. 1,510,279; Sept. 30.
Incandescent Supply Company. (See Ohm, Albert J. D., assignor.)
Industrial Research Co. (See Dolbear, Clinton E., assignor.)
Inmon, Herman, Hurley, Mo. Folding scythe. 1,510,321; Sept. 30.
International Harvester Company. (See Sturrock, John, assignor.)
International Motor Company. (See Masury, A. F., and Leipert, assignors.)
International Paper Company. (See Argy, William P., assignor.)
Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 65,688; Sept. 30.
Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 65,689; Sept. 30.
Irving Iron Works Company. (See Lumb, Louis N., assignor.)
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Cut-out for electrical circuits. 1,510,227; Sept. 30.
Jacobs, Peter, et al. (See Tymkow, Joseph, assignor.)
Jacobsen, Nels C. O. P., Walla Walla, Wash. Fanning-mill gate. 1,510,228; Sept. 30.
Janney, Joseph A., Elizabeth, N. J. Advertising device. 1,510,280; Sept. 30.
Jaques, Arthur. (See West, J. H., Jaques, and Tully.)
Jencick, Stephen, assignor to G. A. Schanze, Cleveland, Ohio. Indicating device for internal-combustion engines. 1,510,281; Sept. 30.
Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)
Jenny Wren Stores, Inc. (See Trapp, Edwin W., assignor.)
Jobson, John B., Atlanta, Ga. Plow. 1,510,322; Sept. 30.
Johann Motors Limited. (See Johannessohn, Charles L., assignor.)
Johannessohn, Charles L., assignor to Johann Motors Limited, Dinsmore, Saskatchewan, Canada. Mechanical movement. 1,510,323; Sept. 30.
Johnson, Carl O., Minneapolis, Minn. Tobacco pipe. 1,510,003; Sept. 30.
Johnson, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fan. 1,509,953; Sept. 30.
Johnson, Edward S., Davenport, Iowa. Automatic clutch-controlling device for powered tenders. 1,510,229; Sept. 30.
Johnson, Josiah F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Blade-fastening means. 1,510,146; Sept. 30.
Johnson, William S., Electra, Tex. Drill. 1,510,282; Sept. 30.
Johnston, Howard H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,509,954; Sept. 30.
Johnston, John, Chicago, Ill. Light for Christmas trees and the like. 1,510,230; Sept. 30.
Jones, Henry P., Buffalo, N. Y. Portable commode. 1,510,061; Sept. 30.
Jones, Thomas L., and H. J. Gillmann, Belleville, Ill. Washing machine. 1,510,087; Sept. 30.
Jones, William E., White, Ark. Latch. 1,510,403; Sept. 30.
Kahn, Leon, Brooklyn, N. Y. Combination garment. 1,510,443; Sept. 30.
Kain, Gage H. (See Prigan, Ernest W., assignor.)
Kating, Rudolph G., Chicago, Ill. Ice-making apparatus. 1,510,324; Sept. 30.
Karpeles, Maurice J., Providence, R. I. Jewelry box. Des. 65,690; Sept. 30.
Katz, Benjamin. (See Menyhart, W. C., and Katz.)
Keith, Davis F., Toronto, Ontario, Canada. Refrigerating apparatus. 1,510,147; Sept. 30.
Keller, Albert F. (See Keller, Harry W. and A. T.)
Keller, Harry W., Pittsburgh, and A. T. Keller, Bethlehem, Pa. Apparatus for making metallic vehicle wheels. 1,510,231; Sept. 30.
Kelley, Charles, assignor to Spray Engineering Company, Boston, Mass. Spray nozzle. 1,510,174; Sept. 30.
Kelley, William J., assignor to American Optical Company, Southbridge, Mass. Machine for inserting metal ends in spectacle temples. 1,510,005; Sept. 30.
Kellog, George, New York, N. Y. Button. 1,510,089; Sept. 30.
Kelly, Michael C., Minneapolis, Minn. Seamless-end necktie. 1,510,004; Sept. 30.
Kennedy, Edward, New York, N. Y. Plumbing system. 1,510,232; Sept. 30.
Kenney, James F., Maywood, Ill. Washing device. 1,510,062; Sept. 30.
Kertes, Isidore, New York, N. Y. Sausage-linking machine. 1,510,063; Sept. 30.
Kestenman Brothers Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman, Charles H., assignor to Kestenman Brothers Mfg. Co., Providence, R. I. Adjustable strap or band. 1,509,955; Sept. 30.
Kidwell, Cleo H. (See Bacon, R. F., and Kidwell.)
Kiester, Everett F., Minneapolis, Minn. Valve-grinding machine. 1,510,006; Sept. 30.
King & Hamilton Company. (See Gilman, Albert E., assignor.)
King, Eugene W., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Coke oven. 1,510,148; Sept. 30.
King, George H., London, England. Means for repairing leaks in metal utensils. 1,510,149; Sept. 30.
Kinnear, Frank C., New Waterford, Ohio. Spraying device. 1,510,175; Sept. 30.
Kipp, Leonard F., Council Bluffs, Iowa. Sounding toy. 1,509,956; Sept. 30.
Kissel Motor Car Company, The. (See Palmer, H. D., and Brhel, assignors.)
Kitzmiller, Blaine. (See Noyes, H. O., and Kitzmiller.)
Klaxon Company. (See Cook, John G., assignor.)
Klein, Peter F., Waterloo, Iowa. Apparatus for mounting and demounting pneumatic tires. 1,509,870; Sept. 30.
Kloss, Frank E., Milwaukee, Wis. Electrical switch. 1,510,064; Sept. 30.

Knight, Stanley C., Gosforth, England. Automatic lifting grab. 1,510,176; Sept. 30.
Knoll, Frederick M., assignor to The Viking Tool & Machine Co., Inc., Brooklyn, N. Y. Toy fire-alarm box. Des. 65,692; Sept. 30.
Koppe, Alexander T., assignor to Offset Directoplate Company, Chicago, Ill. Machine for making offset press plates. 1,510,007; Sept. 30.
Koppers Company, The. (See Van Ackeren, Joseph, assignor.)
Korner, Frank, Galesburg, assignor to Winslow Boiler & Engineering Company, Chicago, Ill. Liquid-fuel burner. 1,510,404; Sept. 30.
Krahn, Alvin W. (See Fischedick, O. F., and Krahn.)
Krueger, Edward J., Milwaukee, Wis. Ventilating device. 1,509,957; Sept. 30.
Kuhn, Peter R., New York, N. Y. Electrical fixture connection. 1,509,859; Sept. 30.
Kuhnes, Valmah R., Ringling, Mont. Rock-removing road drag. 1,509,958; Sept. 30.
Kupper, Herman C. (See Leymarie, Henri, assignor.)
Kurscheidt, Peter J., Brooklyn, assignor to Perfect Window Regulator Company, New York, N. Y. Adjustable stop for window regulators. 1,510,065; Sept. 30.
Lachmann, Walter, Dresden, Germany. Apparatus for utilizing noncompressed oxygen, especially in autogenous high-temperature processes. 1,510,177; Sept. 30.
Lachmann, Walter, Dresden, Germany. Rectifying column. 1,510,178; Sept. 30.
Lake, Simon, Milford, Conn. Submarine or submersible boat. 1,510,283; Sept. 30.
Lakey, Charles W., and E. L. Crouch, Winston-Salem, N. C., assignors to E. Lewis Evans, secretary-treasurer of The Tobacco Workers' International Union, Louisville, Ky. Labeling machine. 1,510,091; Sept. 30.
Laird, James P., sr., Carnwath, Pa. Rail tie. 1,510,090; Sept. 30.
Lame, Levi. (See McGowan, W. L., and Lame.)
Lampe, Bernhard J. (See Hamson, Arthur L., assignor.)
Landes, David W., Portland, Oreg. Testing device for dry batteries. 1,509,959; Sept. 30.
Landon, William C., Akron, Ohio. Garment supporter and protector. 1,510,325; Sept. 30.
Lapp, Emil, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Fixing transformers in their oil boxes. 1,510,092; Sept. 30.
Lavalleur, Eugene E. (See Ghlstrom, V. A., and Lavalleur.)
Lawler, Lawrence. (See Grandle, James W., assignor.)
Lawrence, Edward E., Jamaica, assignor to Loose Wiles Biscuit Company, Long Island City, N. Y. Wafer or biscuit sandwich-making mechanism. 1,510,405; Sept. 30.
Leadbeater, John W., Doncaster, England. Making decolorizing carbon from peat. 1,510,284; Sept. 30.
Legois, Richard. (See Forgette, J. O., and Legois.)
Leipert, August H. (See Masury, A. F., and Leipert.)
Lesh, Samuel H., Lincoln, Nebr. Generator head for fuel-oil burners. 1,510,093; Sept. 30.
Letz, John H., Crown Point, Ind., assignor to Letz Manufacturing Co. Rotary bolter. 1,509,960; Sept. 30.
Letz Manufacturing Co. (See Letz, John H., assignor.)
Lewis, John. (See Hughes, C. C., and Lewis.)
Lewis, William W., Coatesville, Pa. Motor vehicle. 1,510,406; Sept. 30.
Leymarie, Henri, Limoges, France, assignor to H. C. Kupper, New York, N. Y. Plate or similar article. Des. 65,691; Sept. 30.
Liddell Company. (See Beaty, James T., assignor.)
Liljenroth, Frans G., Stocksund, Sweden. Producing phosphorus nitride. 1,510,179; Sept. 30.
Lillibridge, Duane M., St. Charles, Ill. Couch-hammock frame. 1,510,407; Sept. 30.
Lindhe, Eric G., New York, N. Y. Radiator. 1,510,180; Sept. 30.
Lindsay, Lycurgus. (See Hicks, William H., assignor.)
Little, Arthur D., Inc. (See Esselen, Gustavus J., jr., assignor.)
Locke, James A., Kalispell, Mont. Knockdown playhouse structure. 1,510,326; Sept. 30.
Long, Charles T., Eureka, Calif. Drip-coffee-making device. 1,509,961; Sept. 30.
Loose Wiles Biscuit Company. (See Lawrence, Edward E., assignor.)
Lorenz, William A., Hartford, Conn. Airplane safety cage. 1,509,962; Sept. 30.
Los Angeles Pump & Supply Co. (See Clewett, Louis O., assignor.)
Louden Machinery Company, The. (See Sliver, Herman, assignor.)
Lovick-Johnson, Frederick S. (See MacDonald, F. R., Pickersgill, and Lovick-Johnson.)
Lubiken, John C. H., Johnstown, Pa. Mine car. 1,509,963; Sept. 30.
Lumb, Louis N., Astoria, N. Y., assignor to Irving Iron Works Company. Combined punch and shear. 1,510,008; Sept. 30.
Lumley, Charles R., Newcastle, Wash. Casing for a traffic signal. Des. 65,693; Sept. 30.
Lusk, Ewdard L. (See Rasnick, J. S., Buttery, and Lusk.)
Lustenberger, William F., St. Joseph, Mo. Calipers. 1,510,285; Sept. 30.
Lychou, Robert A., Chester, Pa. Knee brace. 1,510,408; Sept. 30.
Lyon Metallic Manufacturing Company. (See Gerberich, Clarence E., assignor.)
MacDonald, Francis R., W. Pickersgill, and F. S. Lovick-Johnson, London, England. Liquid-hydrocarbon burner. 1,510,183; Sept. 30.
MacFarland, Allis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,509,965; Sept. 30.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,509,967; Sept. 30.
Mack, Frank J., assignor to Mack Manufacturing Company, Incorporated, Minneapolis, Minn. Visible signal for motor vehicles. 1,509,968; Sept. 30.
Mack Manufacturing Company. (See Mack, Frank J., assignor.)
Mack, Thomas E., and A. E. Allen, Los Angeles, Calif. Casement-window attachment. 1,510,287; Sept. 30.
MacVey, Gertrude A., Brooklyn, N. Y. Cigarette box. 1,510,094; Sept. 30.
Madden, Elmer, Mount Washington, Md. Pad. 1,510,095; Sept. 30.
Madland, Arne, McKenzie, N. Dak. Veterinary obstetrical instrument. 1,510,066; Sept. 30.
Malone, John C., New York, N. Y. Chute or sluiceway. 1,510,288; Sept. 30.
Manhattan Electrical Supply Company. (See Yngve, Victor, assignor.)
Mann, David W., Lincoln, Mass. Stop-watch mechanism. 1,509,899; Sept. 30.
Mann, William D., Chicago, Ill. Building construction. 1,510,234; Sept. 30.
Manning, John M., Friendship, Tenn. Storage-battery support. 1,510,184; Sept. 30.
Manzel, Adolph W. F., assignor to Manzel Bros. Co., Buffalo, N. Y. Shock absorber. 1,510,185; Sept. 30.
Manzel Bros. Co. (See Manzel, Adolph W. F., assignor.)
Marsh, Homer S., Tracy, Iowa. Bung and faucet lock. 1,510,289; Sept. 30.
Marshall, David O., assignor to Mound City Wood Heel & Mfg. Co., St. Louis, Mo. Heel-grooving machine. 1,510,069; Sept. 30.
Marshall, George G. (See Booth, H. S., and Marshall.)
Marshall, Henry H., West Hartford, assignor to The Automatic Refrigerating Company, Hartford, Conn. Automatic expansion valve. 1,510,186; Sept. 30.
Martin, Bethine A., Philadelphia, Pa. Headrest. 1,510,187; Sept. 30.
Martin, Charlie H., Danville, Ind. Cap for tanks. 1,509,969; Sept. 30.
Martin, George H., Newtonville, Mass., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,509,970; Sept. 30.
Martin, Rhetherford B., assignor to Minerals Separation North American Corporation, New York, N. Y. Production of oxidized carbon compounds. 1,510,150; Sept. 30.
Martin Wagon Company, The. (See Zeagler, Bennie L., assignor.)
Martin, William E., Stamford, England. Swath turner and side-delivery rake. 1,509,840; Sept. 30.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Housing for cushion connections for vehicle construction. 1,510,235; Sept. 30.
Mattatuck Manufacturing Company. (See Raeburn, William, assignor.)
Mattke, Frank A., Vernon, Calif. Direction indicator for automobiles. 1,510,188; Sept. 30.
Maussner, Frederick, Collingswood, N. J., and I. B. Ritter, Philadelphia, assignors to Henry Wilhelm Company, Pittsburgh, Pa. Feeding mechanism for material-treating machinery. 1,510,236; Sept. 30.
Maxwell, George H., Phoenix, Ariz. Apparatus for forming shoe-bottom filler. 1,510,237; Sept. 30.
Maxwell, George H., Phoenix, Ariz. Shoe-bottom filler and making same. 1,510,238; Sept. 30.
Maybaum, Heinrich, Sundern, Germany. Safety device for electric cooking and heating devices. 1,510,409; Sept. 30.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Edging machine. 1,510,010; Sept. 30.
McCarty, Roy A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing-cooling device. 1,509,964; Sept. 30.
McClure, Daniel W., and H. Harris, Woodlawn, Pa. Polishing device. 1,510,181; Sept. 30.
McConnell, George E., Aurora, Ill. Velocipede. 1,509,898; Sept. 30.
McFarland, George, Fort Madison, Iowa. Refrigerating apparatus. 1,509,966; Sept. 30.
McFarland, Owen D., assignor of one-half to H. A. Cumfer, Chicago, Ill. Plaster-receiving board. 1,510,233; Sept. 30.
McGowan, William L., and L. Lame, Galt, Mo. Inner-tube-patching stand. 1,510,182; Sept. 30.
McMahon, Nicholas J. (See Mussina, F. W., and McMahon.)
McMonagle, Joseph, Cleveland Heights, Ohio. Last. 1,510,286; Sept. 30.
McNair, Lulu B., Oakland, Calif. Child's cape. Des. 65,694; Sept. 30.
Mechanical Development Company. (See Dickerson, Arthur, assignor.)

Meldrum, Alexander, and C. Gabrielson, assignors to Meldrum-Gabrielson Corporation, Syracuse, N. Y. Limit snap gauge. 1,510,189; Sept. 30.
Meldrum-Gabrielson Corporation. (See Meldrum, A., and Gabrielson, assignors.)
Meuyhart, Walter C., and B. Katz, New York, N. Y. Camera. 1,510,410; Sept. 30.
Mershon, Ralph D., New York, N. Y. Insulated terminal for electrical apparatus. 1,509,971; Sept. 30.
Metal Forms Corporation. (See Grossenbach, Rudolph C., assignor.)
Meyer, Harry R. (See Simmon, K. A., and Meyer.)
Michelsen, Hamilton, Miami, Fla. Avocado-picking bag. 1,509,972; Sept. 30.
Miller, Adolph H., Jasper, Minn. Bell ringer. 1,510,446; Sept. 30.
Miller, Augustus, East Orange, N. J. Dating-stamp lock. 1,510,327; Sept. 30.
Miller, Charles A., Bainbridge, assignor to Miller Manufacturing Company, Decatur County, Ga. Automatic bottle unloader. 1,510,096; Sept. 30.
Miller, Charles A., sr., Bainbridge, assignor to Miller Manufacturing Company, Decatur County, Ga. Automatic bottle unloader. 1,510,097; Sept. 30.
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller, Isaac., Scranton, Pa. Coat collar and making the same. 1,509,841; Sept. 30.
Miller, Louis, Brooklyn, N. Y. Garment. 1,509,973; Sept. 30.
Miller Manufacturing Company. (See Miller, Charles A., assignor.)
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Fabric receiver for knitting machines. 1,509,871; Sept. 30.
Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
Miner, W. H., Inc. (See Geiger, William A., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Miner, W. H., Inc. (See Williams, Keith, assignor.)
Miner, W. H., Inc. (See Withall, Albert P., assignor.)
Minerals Separation North American Corporation. (See Martin, Rhetherford B., assignor.)
Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,510,011; Sept. 30.
Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Telescopic handle for automobile jacks. 1,510,012; Sept. 30.
Mjellem, Franz O., et al. (See Richmond, Raymond W., assignor.)
Moenning, Milton G., et al. (See Rodriguez, A., and Gustayson, assignors.)
Moore, Benjamin S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush-holder rocker ring. 1,509,974; Sept. 30.
Moore, John H. (See Moore, Lawrence C., assignor.)
Moore, Lawrence C., Piqua, assignor of one-half to J. H. Moore, Lima, Ohio. Diluting device for internal-combustion engines. 1,510,151; Sept. 30.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. Re15,920; Sept. 30.
Mollanen, Charles J., Hancock, Mich. Safety mine elevator. 1,510,411; Sept. 30.
Monosmith, Olney B., Lorain, Ohio. Golf apparatus. 1,510,239; Sept. 30.
Morgan, Edith A., Chester, England. Corset suspenders. 1,510,152; Sept. 30.
Morgan, Numa E., Atlanta, Ga. Smoking pipe. 1,510,290; Sept. 30.
Morgan, Ray J., Chicago, Ill., and R. H. Wentorf, West Bend, Wis., assignors to West Bend Aluminum Company. Cooking vessel. 1,509,975; Sept. 30.
Morrison, J. L., Company, The. (See Allen, Howard G., assignor.)
Morton, Howard M., Minneapolis, Minn. Self-determining perimeter. 1,510,013; Sept. 30.
Mound City Wood Heel & Mfg. Co. (See Marshall, Davis O., assignor.)
Murphy, David S., Fort Wayne, Ind. Therapeutic ray appliance. 1,510,080; Sept. 30.
Murray, Charles E., jr., Trenton, N. J. Tire. Des. 65,695; Sept. 30.
Murray, Wallace J., Boston, Mass., assignor, by mesne assignments, to Todd Protectograph Company, Inc., Rochester, N. Y. Printing sized paper. 1,509,872; Sept. 30.
Mussina, Frederick W., and N. J. McMahon, Baltimore, Md., assignors to General Electric Company. Truck. 1,510,328; Sept. 30.
Myers, Edward D., Shelby, Mich. Kit carrier. 1,510,240; Sept. 30.
Myers, Harry S., Rockland Township, Venango County, Pa. Valve for drilling engines. 1,510,153; Sept. 30.
N. V. Netherland Colonial Trading Cy. (See Vandevoorde, Victor, assignor.)
Nash, Stanley F., Kingston, Pa. Line chalker. 1,510,329; Sept. 30.
Nasmith, John W., Manchester, England. Combing machine. 1,510,098; Sept. 30.
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National Malleable and Steel Castings Company. (See Schmidt, Ernest H., assignor.)
National Tank & Pipe Co. (See Oberer, Fredolien J., assignor.)
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,510,154; Sept. 30.
Nechroni, Daniel, Brooklyn, N. Y. Port light. 1,510,330; Sept. 30.
Negbaur, Harry, New York, N. Y., assignor to E & J Bass, Incorporated. Combined base and body for candlesticks or analogous articles. Des. 65,696; Sept. 30.
Nelson, Erik W., New Rochelle, N. Y. Apparatus for printing moving-picture films. 1,510,155; Sept. 30.
Newland, Barnet, New York, N. Y. Canopy for lighting fixtures. Des. 65,697; Sept. 30.
Newmark, Kallman, New York, N. Y. Cigarette case. 1,510,331; Sept. 30.
Newsom, James, and C. P. Deal; said Newsom assignor to Unity Cotton Mills, La Grange, Ga. Measuring and automatic knock-off device. 1,509,900; Sept. 30.
Nicholls, Robert W., assignor to Gold Seal Co., Palisades Park, N. J. Repeating device for phonographs. 1,510,241; Sept. 30.
Nichols, Emmet, Paris, Ill. Heater for stock-watering tanks. 1,510,412; Sept. 30.
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Noack, Walter G., Stockton, Calif. Discharge pipe for turbine pumps. 1,510,156; Sept. 30.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 65,698; Sept. 30.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 65,699; Sept. 30.
Nock, Harold E. (See Parker, G. F., and Nock.)
Noll, Harry R. (See Campbell, G. L., Noll, and Davis.)
Norberg, Erik J., Everett, Wash. Rust-dissolving liquid. 1,510,067; Sept. 30.
Nordloh, George, Hamilton, Kans. Sucker-rod elevator. 1,510,413; Sept. 30.
North, Norman E., Cantley, England, assignor to Westinghouse Electric & Manufacturing Company. Rheostat. 1,509,976; Sept. 30.
Noyes, Henry O., and B. Kitzmiller, Oakland, Calif.; said Kitzmiller assignor to said Noyes. Coin-controlled vending and game device. 1,510,438; Sept. 30.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Electrical measuring system. 1,509,901; Sept. 30.
Oakley, Theophield D., Chicago, Ill., assignor, by mesne assignments, to Defiance Sales Corporation, New York, N. Y. Desk pad and stand. 1,509,842; Sept. 30.
Oberer, Fredolien J., Los Angeles, Calif., assignor to National Tank & Pipe Co., Portland, Oreg. Silo door and lock. 1,510,014; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,332; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments to W. H. Miner, Inc. Hand brake. 1,510,333; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner Inc. Friction shock-absorbing mechanism. 1,510,334; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,335; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,336; Sept. 30.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,510,337; Sept. 30.
Odhner, Valentin J., Stockholm, Sweden. Calculating machine. 1,510,099; Sept. 30.
Odhner, Valentin J., Stockholm, Sweden. Calculating machine. 1,510,100; Sept. 30.
Odum, George, Chicago, Ill. Gauge cock and blow-off valve. 1,510,190; Sept. 30.
Offset Directoplate Company. (See Koppe, Alexander T., assignor.)
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Wall-lighting fixture. Des. 65,700; Sept. 30.
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Lighting-fixture band. Des. 65,701; Sept. 30.
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Wall bracket for lighting fixture. Des. 65,702; Sept. 30.
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Lamp shade. Des. 65,703; Sept. 30.
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Ceiling-lighting fixture. Des. 65,704; Sept. 30.
O'Malley, John F., Geneva, N. Y. Switch. 1,510,068; Sept. 30.
Orange County By Products Co. (See Perkins, Oscar E., assignor.)
Ordway, Frank L., assignor to Parker Bros., Salem, Mass. Game. 1,509,873; Sept. 30.
Osborn, Alden E., New York, N. Y. Automatic slack adjuster. 1,510,101; Sept. 30.

Osborn, Warren M., assignor to Chicago Malleable Castings Company, Chicago, Ill. Railway-tie plate. 1,510,388; Sept. 30.
Osborn, Warren M., assignor to Chicago Malleable Castings Company, Chicago, Ill. Rail-anchoring clip. 1,510,339; Sept. 30.
Osmer, John E., Owosso, Mich., assignor of one-half to F. H. Smith, Columbus, Ohio. Locomotive. 1,509,977; Sept. 30.
Pace, Lorenzo, Allentown, Pa. Signal device for vehicles. 1,510,102; Sept. 30.
Pacz, Aladar, Cleveland Heights, Ohio. Alloy and apparatus made therefrom. 1,510,242; Sept. 30.
Palmer, Herman D., and J. W. Brhel, assignors to The Kissel Motor Car Company, Hartford, Wis. Apparatus for mensuring materials in concrete construction. Re15,921; Sept. 30.
Parker Bros. (See Ordway, Frank L., assignor.)
Parker, George F., and H. E. Nock, assignors to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 65,705; Sept. 30.
Pascucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Mold. 1,509,978; Sept. 30.
Patterson, Leslie R., Kansas City, Mo. Spring wheel. 1,510,414; Sept. 30.
Pauls, Peter D., Maywood, Ill. Cooling substances. 1,510,340; Sept. 30.
Pelyp, John, Chicago, Ill. Flytrap. 1,509,874; Sept. 30.
Pemberton, Uz C., Seffner, Fla. Apparatus for cleaning automobile cylinders. 1,510,157; Sept. 30.
Pennsylvania Pump & Compressor Company. (See Raymond, Ward, assignor.)
Perfect Window Regulator Company. (See Kurscheidt, Peter J., assignor.)
Perkins, Andrew B., Colfax, La. Dinner pail. 1,510,103; Sept. 30.
Perkins, Oscar E., assignor to Orange County By Products Co., Santa Ana, Calif. Attachment for milk-bottle cases. 1,510,191; Sept. 30.
Perry, Grover, Chicago, Ill. Joint construction and forming the same. 1,510,243; Sept. 30.
Petersen, Paul W. (See Thompson, C. J., and Petersen.)
Pickersgill, William R. A. (See MacDonald, F. R., Pickersgill, and Lovick-Johnson.)
Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Golf-bag handle. 1,510,415; Sept. 30.
Pletz, Frederick, and J. Coletti, Saginaw, Mich. Forceps. 1,510,416; Sept. 30.
Pinder, Roland C., Lima, Ohio. Tone-modifying device for pianos. 1,510,192; Sept. 30.
Plomer-Walker, Ida, Southsea, England. Lawn-tennis-instruction device. 1,510,244; Sept. 30.
Polintan, Gregorio. (See Ricerra, Pedro E., assignor.)
Poole, Frank A., Cleveland, Ohio. Wall form. 1,510,158; Sept. 30.
Powell, Charles W. (See Uffert, W. B., and Powell.)
Powell, George F. C., Birmingham, assignor to The Dunlop Rubber Company, Limited, Regents Park, London, England. Packing tires and other articles for transport. 1,510,159; Sept. 30.
Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
Prigan, Ernest W., assignor to G. H. Kain, Billings, Mont. Locking device for motor vehicles. 1,510,417; Sept. 30.
Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical apparatus. 1,510,341; Sept. 30.
Pryor, Ben P., jr., Maxwell, Calif. Pressure gauge. 1,510,193; Sept. 30.
Pryor, David C., Oklahoma City, Okla. Fish nursery. 1,509,979; Sept. 30.
Quigley, John T., Fresno, Calif., assignor to Cosmeter Company, Boston, Mass. Filing and indexing equipment. 1,510,160; Sept. 30.
R. & G. Company. (See Anderson, Edward L., assignor.)
Radford, William A., Chicago, Ill. Book. 1,510,194; Sept. 30.
Raeburn, William, assignor to Mattatuck Manufacturing Company, Waterbury, Conn. Chair glide and making the same. 1,509,980; Sept. 30.
Rambush, Niels E., Stockton-on-Tees, England. Recovery of sulphur from gases. 1,510,342; Sept. 30.
Rask, Louis, Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. 1,510,343; Sept. 30.
Rasnick, Joseph S., R. A. Buttery, and E. L. Lusk, St. Paul, Va. Dump-body bracket. 1,509,875; Sept. 30.
Rau, John, Belleville, Ill. Creeper. 1,510,104; Sept. 30.
Rayfield, Charles L., Chicago, Ill. Cleaning mechanism. 1,510,015; Sept. 30.
Raymond, Ward, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Regulator for compressors. 1,510,161; Sept. 30.
Rees, Leon. (See Stone, H. G. S., and Rees.)
Reeves, Samuel V., Haddonfield, N. J. Cooking, heating, and combination hot-water stove. 1,510,245; Sept. 30.
Reinker, Christian, Lakewood, Ohio. Automobile lamp. 1,510,344; Sept. 30.
Reniek, Morris W. (See Harmount, Charles H., assignor.)
Republic Carbon Company. (See Broadwell, Bartley E., assignor.)
Reynolds, Joshua C., assignor of one-third to C. D. Brown, Owensboro, Ky. Tobacco-curing apparatus. 1,509,902; Sept. 30.
Rice, Louis W., New York, N. Y. Beverage shaker. 1,509,981; Sept. 30.
Ricerra, Pedro E., assignor of one-half to G. Polintan, Manila, P. I. Check-canceling attachment for fountain pens. 1,509,876; Sept. 30.
Richie, Joseph D., Casper, Wyo. Tire chain. 1,509,877; Sept. 30.
Richmond, Raymond W., Mexia, assignor of one-fourth to Charles L. Rowan, Houston, one-fourth to W. A. Sandberg, and one-fourth to F. O. Mjellem, Mexia, Tex. Compressed-air fluid lift. 1,510,105; Sept. 30.
Ricker, Chester S., Indianapolis, Ind. Three-way valve. 1,509,843; Sept. 30.
Riley, Lionel V. (See Herman, E. E., and Riley.)
Rimple, Edward J., San Jose, Calif. Depth-control and power-lift device for plows. 1,509,903; Sept. 30.
Ring, John H., assignor to Gorham Mfg. Co., Providence, R. I. Plate or similar article. Des. 65,706; Sept. 30.
Ritter, Isaac B. (See Maussner, F., and Ritter.)
Robb, James L., Lincoln, Nebr. Door opener. 1,510,106; Sept. 30.
Roberts, Louis, Brookville, Pa. Trunk lock. 1,509,878; Sept. 30.
Robertson, John R., New Glasgow, Nova Scotia, Canada. Lifting jack for automobiles. 1,510,345; Sept. 30.
Robinson, Edward, Roselle Park, N. J., assignor to The Texas Company, New York, N. Y. Pipe-bending machine. 1,510,162; Sept. 30.
Robinson, Edward A., assignor of one-half to himself and one-half to E. A. Workman, Montreal, Quebec, Canada. Adjustment for terminals within connecter heads. 1,509,844; Sept. 30.
Robinson, Roy H., Chicago, Ill. Reenforced concrete and steel construction. 1,510,163; Sept. 30.
Roby, Sheldon S., assignor to Hart and Hutchinson Manufacturing Company, New Britain, Conn. Toilet partition. 1,509,845; Sept. 30.
Rodney Hunt Machine Company. (See Wilcox, Harold A., assignor.)
Rodriguez, Abraham, and H. Gustavson, assignors to M. G. Moenning and D. C. Howard, San Jose, Calif. Pump assembly. 1,510,107; Sept. 30.
Rodriguez, Abraham, and H. Gustavson, assignors to M. G. Moenning and D. C. Howard, San Jose, Calif. Oiling system for deep-well centrifugal pumps. 1,510,108; Sept. 30.
Romanzak, Aftan, Siugac, N. J. Mechanical toy. 1,509,879; Sept. 30.
Römer, Adolf, Stuttgart, assignor to Deutsch-Kolonjale Gerb- & Farbstoff-Gesellschaft m. b. H., Karlsruhe, Germany. Fermentation process. 1,510,195; Sept. 30.
Römer, Adolf, Stuttgart, Germany. Fermentation process. 1,510,196; Sept. 30.
Rösner, Karl, Prague, Czechoslovakia. Aircraft gun. 1,510,109; Sept. 30.
Rowan, Charles L., et al. (See Richmond, Raymond W., assignor.)
Rüegger, Eduard, assignor to Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Refrigerating installation. 1,510,164; Sept. 30.
Ruland, Lorin D., Binghamton, N. Y. Paint mixer. 1,510,081; Sept. 30.
Russell, Edward A. (See Gold, E. H., and Russell.)
Ryan, Michael B., Milford, Conn. Method of and machine for electric welding. 1,510,197; Sept. 30.
Sachs, John H., Wilmington, Del., and V. S. Babasinian, South Bethlehem, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of anthraquinone derivatives. 1,509,846; Sept. 30.
Salisbury, Robert F., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Polishing machine. 1,509,904; Sept. 30.
Salyards, Clyde, and G. B. Scheffey, Haxtun, Colo. Lifting attachment for tractors. 1,509,905; Sept. 30.
Sandberg, William A., et al. (See Richmond, Raymond W., assignor.)
Sawtelle, Gilbert G., Arkansas City, Kans. Wire-line lubricator. 1,509,906; Sept. 30.
Schaefer, Frederic, Pittsburgh, Pa. Articulated brake hanger. 1,509,907; Sept. 30.
Schanze, Gustavus A. (See Jencick, Stephen, assignor.)
Scheffey, George B. (See Salyards, C., and Scheffey.)
Schmidt, Ernest H., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock-absorbing mechanism. 1,510,016; Sept. 30.
Schmidt, Ernest H., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock-absorbing mechanism. 1,510,017; Sept. 30.
Schmidt, Hellmuth, Oakland, Calif. Guide. 1,510,110; Sept. 30.
Schoeneck, Adolph, and A. Seidel, Enterprise, Wis. Wheel construction. 1,509,982; Sept. 30.
Schumacher, Elmer L., Southbridge, and W. H. Boutelle, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,510,018; Sept. 30.
Schwesig, Albert, Buer, Germany. Automatically-disinfected mine-closet. 1,510,111; Sept. 30.
Schwoertzky, Gustav, Esslingen-on-the-Neckar, Germany. Container for liquids. 1,509,983; Sept. 30.
Scintilla. (See Bohli, Jacques, assignor.)

Scott, Charles H. (See Bailey, E. L., Scott, and Wiley.)
Scott, John L., Grenada, Miss. Holder. 1,510,198; Sept. 30.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Change-speed mechanism for drilling machines. 1,509,880; Sept. 30.
Seeley, Clarence, Elmira, N. Y. Pressure-regulating gas valve. 1,510,418; Sept. 30.
Seeman, Dan E., Republic, Pa. Signal. 1,510,419; Sept. 30.
Seibel, Henry, San Francisco, Calif., assignor to United Air Spring Company of Arizona, Phoenix, Ariz. Pneumatic cushion for handlebars. 1,510,199; Sept. 30.
Seidel, August. (See Schoeneck, A., and Seidel.)
Semet-Solvay Company. (See King, Eugene W., assignor.)
Semke, Henry. (See Tyd, Herman, assignor.)
Senyk, Mike, et al. (See Tymkow, Joseph, assignor.)
Severin, Anna, assignor of one-half to J. B. Alvis, Weatherford, Tex. Portable booth or tent. 1,509,881; Sept. 30.
Severin, John A., assignor of one-half to J. B. Alvis, Weatherford, Tex. Portable booth or tent. 1,509,882; Sept. 30.
Severson, Samuel, Valders, Wis. Hair-cutting appliance. 1,509,847; Sept. 30.
Sharaf, R. M., Machine Co. (See Sharaf, Ralph M., assignor.)
Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Two-needle-sewing-machine attachment. 1,510,246; Sept. 30.
Shaw, Samuel H., New York, N. Y. Bumper. 1,510,112; Sept. 30.
Sherman, Charles H., North Attleboro, Mass. Comb and knife casing. 1,510,420; Sept. 30.
Sherman, Charles H., North Attleboro, Mass. Bead bracelet or earring and making same. 1,510,421; Sept. 30.
Sherman, H. B., Manufacturing Co. (See Defibaugh, M. A., and Thieman, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Hosenfeld, Martin, assignor.)
Silver, Herman, assignor to The Louden Machinery Company, Fairfield, Iowa. Ventilating cupola. 1,509,848; Sept. 20.
Simmon, Karl A., Edgewood Park, and H. R. Meyer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,509,981; Sept. 30.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Accelerating system for induction motors. 1,509,985; Sept. 30.
Slingerland, Henry H., Chicago, Ill. Sound modifier for stringed instruments. 1,510,019; Sept. 30.
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smith, Albert G., New Concord, Ky. Trap. 1,510,346; Sept. 30.
Smith, Bertram C., Red Lion, Pa. Vehicle brake. 1,510,347; Sept. 30.
Smith, Fred P., et al., trustees. (See Allen, James M., assignor.)
Smith, Frederick H. (See Osmer, John E., assignor.)
Smith, William J., Waterbury, Conn. Electric-socket plug. 1,510,247; Sept. 30.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Explosive and its manufacture. 1,510,348; Sept. 30.
Sniegocki, Anthony, Oakland, Calif. Safety razor. 1,510,020; Sept. 20.
Societe Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)
Societe du Carburateur Zenith. See Bavery, François, assignor.)
Sovereign Silk Co., The. (See Zinstein, Michael, assignor.)
Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
Spengler, George H., Rockford, Ill. Punch. 1,510,450; Sept. 30.
Spengler, George H., Rockford, Ill. Punch. 1,510,451; Sept. 30.
Sprague, Willis D. (See Elkin, Jacob G., assignor.)
Spray Engineering Company. (See Kelly, Charles, assignor.)
Sprich, Albert T., et al. (See Sprich, Emil M., assignor.)
Sprich, Emil M., St. Louis, Mo., assignor of one-third to J. Sprich, Colorado Springs, Colo., and one-third to A. T. Sprich, Belleville, Ill. Swing. 1,509,986; Sept. 30.
Sprich, John, et al. (See Sprich, Emil M., assignor.)
Stackhouse & Allen. (See Gordon, David D., assignor.)
Stanley, Thomas, assignor of one-half to T. S. Whitfield, Basford, Stroke-on-Trent, England. Brickmaking and like press. 1,510,349; Sept. 30.
Stanwood, Frank H., Chicago, Ill. Steering wheel for automobiles and the like. 1,509,883; Sept. 30.
Stark, Levi J., New Raymer, Colo. Truck row guide attachment for corn listers. 1,509,908; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Pneumatic sizer. 1,509,909; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Dust collector. 1,509,910; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Dust collector. 1,509,911; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Dust collector. 1,509,912; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Dust extractor. 1,509,913; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,509,914; Sept. 30.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,509,915; Sept. 30.
Steinbrecher, Clemens H., Quincy, Ill. Lubricating device. 1,510,422; Sept. 30.
Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. G. Müller & Co., Dresden, Germany. Machine for forming cigarette mouthpieces. 1,510,248; Sept. 30.
Stone, Harry G. S., and L. Rees, London, England. Toy animal. Des. 65,707; Sept. 30.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton-hull-extracting machine. 1,510,069; Sept. 30.
Sturrock, John, Chicago, Ill., assignor to International Harvester Company. Feeding mechanism for potato planters. 1,510,021; Sept. 30.
Sunbeam Electric Manufacturing Company. (See Fischedick, O. F., and Krahn, assignors.)
Sutherlin, Lee., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Variable-resistance device. 1,509,987; Sept. 30.
Swan, Herbert H., assignor to Corduroy Tire Company, Grand Rapids, Mich. Tire. Des. 65,708; Sept. 30.
Tedman, Hudson A., Galesburg, assignor to Winslow Boiler & Engineering Company, Chicago, Ill. Combustible-mixture-forming device. 1,510,423; Sept. 30.
Temple, Robert M., Philadelphia, Pa. Mixing apparatus. 1,510,165; Sept. 30.
Terwilliger, Fred J., Montague, Calif. Electric generator. 1,509,884; Sept. 30.
Texas Company, The. (See Robinson, Edward, assignor.)
Tew, James D., Akron, Ohio, assignor to B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 65,709; Sept. 30.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Reversible-circulation internal-fan kiln. 1,509,849; Sept. 30.
Thieman, Ralph J. (See Defibaugh, M. A., and Thieman.)
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Fuse box. 1,510,350; Sept. 30.
Thompson, Alfred L., Woodbourne, Pa. Windshield. 1,510,249; Sept. 30.
Thompson, Clifford J., and P. W. Petersen, Chicago, Ill.; said Thompson assignor to said Petersen. Method of and apparatus for refrigerating comestibles. 1,509,850; Sept. 30.
Thompson, James H., Trenton, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine. 1,510,351; Sept. 30.
Thompson, James H., Trenton, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Driving head for dyeing machines. 1,510,352; Sept. 30.
Thompson, Louis N., Moore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine blading. 1,510,113; Sept. 30.
Thompson, William H., and I. F. Cape, Seneca, S. C. Crank-shaft gear for looms. 1,509,988; Sept. 30.
Thomson Electric Welder Company. (See Hall, Preston M., assignor.)
Thorner, Walther, Berlin, Germany. Apparatus for the objective determination of the refraction of the eye. 1,510,114; Sept. 30.
Thornton, Frank, jr., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Automatic cut-out for electric flatirons. 1,509,989; Sept. 30.
Todd Protectograph Company. (See Murray, Wallace J., assignor.)
Toulson, George H. (See Brainerd, C. F., and Toulson.)
Tousey, Sinclair, New York, N. Y. X-ray-film carrier. 1,510,424; Sept. 30.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle Manufacturing Company. (See Parker, G. F., and Nock, assignors.)
Trapp, Edwin F., Valley Stream, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,509,851; Sept. 30.
Trapp, Edwin W., assignor, by mesne assignments, to Jenny Wren Stores, Inc., San Francisco, Calif. Apparatus for vending merchandise. 1,510,435; Sept. 30.
Traube, Wilhelm, Berlin, Germany. Production of ethyl-esters of halogen sulphonic acids. 1,510,425; Sept. 30.
Trebert Airplane Motor Company. (See Trebert, Henry L. F., assignor.)
Trebert, Henry L. F., West Bloomfield, assignor to Trebert Airplane Motor Company, Inc., Penn Yan, N. Y. Rotary engine valve. 1,509,885; Sept. 30.
Triplex Machine Tool Corporation. (See Wilhelm, John H., assignor.)
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Trollhättans Elektrothermiska Aktiebolag. (See Wennergen, F. J. A., and Andersen, assignors.)

Tucker Brothers Manufacturing Company. (See Tucker, Jesse D., assignor.)

Tucker, Frederick D., et al., trustees. (See Allen, James M., assignor.)

Tucker, Jesse D., assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Spreading jack. 1,510,022; Sept. 30.

Tully, Cornelius B. (See West, J. H., Jacques, and Tully.)

Turcan, John, South Akron, Ohio. Spark plug. 1,509,852; Sept. 30.

Turner, George M., Riverside, Calif. Centrifugal process of blending oil and gas. 1,510,353; Sept. 30.

Turner, George M., Riverside, Calif. Apparatus for separating gasoline from natural gas. 1,510,354; Sept. 30.

Tyd, Herman, Valley Stream, assignor of one-half to H. Semke, Lynbrook, Long Island, N. Y. Wheel. 1,510,426; Sept. 30.

Tymkow, Joseph, assignor of one-fourth to M. Senyk and one-fourth to P. Jacobs, Ardrossan, Alberta, Canada. Mechanical roundabout. 1,510,355; Sept. 30.

Uffert, Walter B., and C. W. Powell, New York, N. Y.; said Uffert assignor of his entire right to said Powell. Vehicle running gear. 1,510,356; Sept. 30.

Underfeed Stoker Company of America, The. (See Fleming, Frank E., assignor.)

Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)

Unger, Gustav, Hannover, Germany. Rigid airship. 1,510,427; Sept. 30.

United Air Spring Company of Arizona. (See Seibel, Henry, assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

U. S. Industrial Alcohol Co. (See Backhaus, Arthur A., assignor.)

Unity Cotton Mills. (See Newsom, J., and Deal, assignors.)

Universal Coding System Co. Ltd., The. (See Caballero, Armando C., assignor.)

"Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Stelzer, Franz H. B., assignor.)

Vail, William E., Ronceverte, W. Va. Traction wheel. 1,510,357; Sept. 30.

Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Volume governor for gas mains. 1,510,115; Sept. 30.

Van Arnam Manufacturing Company. (See Hess, William J., assignor.)

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Checkbook. 1,509,854; Sept. 30.

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Table. 1,509,853; Sept. 30.

Vandevoorde, Victor, assignor to N. V. Netherland Colonial Trading Cy., Brussels, Belgium. Preparing a composition for preserving wood. 1,510,358; Sept. 30.

Van Gale, Alfred, Newark, N. J. Hair waver and curler. 1,510,359; Sept. 30.

Van Heusen, John M. (See Bacon, R. F., and Kidwell, assignors.)

Van Lenven, Monroe, Redlands, Calif. Spark intensifier. 1,510,166; Sept. 30.

Van Meter, Arthur L., New Orleans, La. Polishing or buffing device. 1,510,116; Sept. 30.

Van Rijmenam, Hermanus, The Hague, Netherlands. Assembling cover. 1,510,360; Sept. 30.

Vapor Car Heating Company. (See Gold, E. H., and Russell, assignors.)

Vasey, Joseph N., Brookfield, Ill. Musical instrument. 1,510,023; Sept. 30.

Vaughan, Walter D., and E. M. Dickerman, Rutland, Vt. Buffer attachment for vestibule diaphragms. 1,510,361; Sept. 30.

Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Printing-telegraph system. 1,509,886; Sept. 30.

Vesley, Stanley J., Cedar Rapids, Iowa. Automobile jack. 1,510,362; Sept. 30.

Victoria Falls and Transvaal Power Company Limited, The. (See Hossack, Albert, assignor.)

Viking Tool & Machine Co., The. (See Knoll, Frederick M., assignor.)

Vogel, Arno W. (See Haldeman, J. J., and Vogel.)

Voliva, Agnes, Portland, Oreg., assignor to Bank of Italy of San Francisco, trustee, San Francisco, Calif. Brassière. 1,510,428; Sept. 30.

Von Gal, Jacob K., Danbury, Conn. Dyeing opalescent and fluorescent effects on wool and fur felt. 1,510,250; Sept. 30.

Von Hoorn, Fred G., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transfer switch. 1,509,990; Sept. 30.

Von Post, Anna, administratrix. (See Von Post, Carl G.)

Von Post, Carl G., deceased; A. von Post, administratrix, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden. Bearing for oscillatory motion. 1,510,118; Sept. 30.

Von Vass, Josef, Kotzschenbroda, Germany. Molding hollow bodies. 1,510,117; Sept. 30.

Vulkan-Werk Reinshagen & Co. (See Gottschalk, Mathias, assignor.)

Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Holding means for detachable straps. 1,509,855; Sept. 30.

Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignors.)

Wahlberg, Nils J. A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch handle. 1,510,119; Sept. 30.

Waite, Ralph B., assignor to The Antidolor Mfg. Co., Springville, N. Y. Preserving contents of containers. 1,509,916; Sept. 30.

Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)

Walkup, Samuel T., New York, N. Y. Automobile tread. 1,510,251; Sept. 30.

Wallace & Tiernan Co. (See Baker, John C., assignor.)

Wallace, Henry. (See Bostwick, Cyrus R., assignor.)

Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. (See Blüschmann, Theodor E., assignor.)

Wangen, Joseph C., Great Falls, Mont. Nursing bottle. 1,510,363; Sept. 30.

Ward, Paul A., Los Angeles, Calif. Sole and stitch removing machine. 1,510,120; Sept. 30.

Ward, Paul A., Los Angeles, Calif. Sole and stitch removing machine. 1,510,121; Sept. 30.

Warner, Axel, Chicago, Ill. Burner. 1,510,024; Sept. 30.

Washburn, Herbert L., Magnolia, N. J. Electric switch. 1,510,122; Sept. 30.

Watson, Charles N., assignor of one-fourth to C. C. Wright St. Joseph, Mo. Cigarette case. 1,510,429; Sept. 30.

Watson, James B., Thurston, Ohio. Adjustable headlight. 1,510,200; Sept. 30.

Weaver, Robert R., assignor to General American Tank Car Corporation, Chicago, Ill. Reenforcing member. 1,509,887; Sept. 30.

Weesner, Clay, assignor to Hoosier Manufacturing Company, Newcastle, Ind. Side plate for cabinets and the like. 1,510,025; Sept. 30.

Weissmann, Gustave, Paris, France. Electric battery with an absorbed liquid. 1,510,364; Sept. 30.

Welch, John W., Atlanta, Ga. Gauge for stapling machines. 1,510,201; Sept. 30.

Weldon, Charles F., Delavan, Wis. Mechanical inking apparatus. 1,509,888; Sept. 30.

Wells, William S., Bethlehem, Pa. Loom. 1,510,365; Sept. 30.

Wemp, Ernest E., Detroit, Mich. Clutch. 1,510,123; Sept. 30.

Wennergren, Folke J. A., and F. Andersen, Trollhattan, assignors, by mesne assignments, to Trollhättans Elektrothermiska Aktiebolag, Stockholm, Sweden. Apparatus for producing zinc powder. 1,510,071; Sept. 30.

Wentorf, Robert H. (See Morgan, R. J., and Wentorf.)

West Bend Aluminum Company. (See Morgan, R. J., and Wentorf, assignors.)

West, John H., Bayswater, London, A. Jaques, Waterloo, and C. B. Tully, Newark-on-Trent, England. Manufacturing hydrogen or gases rich in hydrogen. 1,509,442; Sept. 30.

Western Electric Company. (See Trapp, Edwin F., assignor.)

Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)

Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)

Westinghouse Air Brake Company, The. (See Martin, George H., assignor.)

Westinghouse Air Brake Company, The. (See Westinghouse, Henry H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)

Westinghouse Electric and Manufacturing Company. (See Evans, Robert D., assignor.)

Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnson, Charles W., assignor.)

Westinghouse Electric and Manufacturing Company. (See Johnson, Josiah E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)

Westinghouse Electric & Manufacturing Company. (See MacFarland, Allis M., assignor.)

Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)

Westinghouse Electric & Manufacturing Company. (See McCarty, Roy A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Moore, Benjamin S., assignor.)

Westinghouse Electric & Manufacturing Company. (See North, Norman E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Simmon, K. A., and Meyer, assignors.)

Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Sutherlin, Lee, assignor.)

Westinghouse Electric and Manufacturing Company. (See Thompson, Louis N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Von Hoorn, Fred G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)

Westinghouse Electric Products Company. (See Thornton, Frank, jr., assignor.)

Westinghouse, Henry H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rotary pump. 1,509,917; Sept. 30.

Weygang, Charles, Maidenhead, England. Treating fibrous materials for paper making and other purposes. 1,510,070; Sept. 30.

Wheaton, Florence M. C., South Manchester, Conn. Educational device. 1,509,889; Sept. 30.

White, D'Orsay M., Detroit, Mich. Sprocket mounting. 1,510,430; Sept. 30.

White, Morris, New York, N. Y. Hand bag. Des. 65,710; Sept. 30.

Whitfield, Thomas S. (See Stanley, Thomas, assignor.)

Whiteman, James C., Christchurch, New Zealand, assignor to Whiteman's "Supurb" Carburettor Company Limited, Sydney, New South Wales, Australia. Fuel mixer. 1,510,366; Sept. 30.

Whiteman's "Supurb" Carburettor Company Limited. (See Whiteman, James C., assignor.)

Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Multioffice telephone system. 1,510,124; Sept. 30.

Wiese, William B., Howells, Nebr. Loader. 1,509,918; Sept. 30.

Wilcox, Harold A., Webster, assignor to Rodney Hunt Machine Company, Orange, Mass. Reel. 1,509,890; Sept. 30.

Wildman, James, Sydney, Australia. Sanitary closet. 1,509,891; Sept. 30.

Wiley, Wallace. (See Bailey, E. L., Scott, and Wiley.)

Wilhelm, Edwin G., assignor to Henry Wilhelm Company, Pittsburgh, Pa. Pneumatic feeding mechanism. 1,510,252; Sept. 30.

Wilhelm, Henry, Company. (See Mansssner, F., and Ritter, assignors.)

Wilhelm, Henry, Company. (See Wilhelm, Edwin G., assignor.)

Wilhelm, John H., assignor, by mesne assignments, to Triplex Machine Tool Corporation, New York, N. Y. Universal machine. 1,510,167; Sept. 30.

Williams, J. B., Company, The. (See Williams, Philip K., assignor.)

Williams, Keith, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,510,367; Sept. 30.

Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Shaving-stick container. 1,509,856; Sept. 30.

Wingquist, Sven G., Gottenborg, Sweden. Hydraulic coupling and change-speed gear. 1,510,368; Sept. 30.

Winkler, Albert R. (See Collier, A. H., and Winkler.)

Winslow Boiler & Engineering Company. (See Korner, Frank, assignor.)

Winslow Boiler & Engineering Company. (See Tedman, Hudson A., assignor.)

Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)

Wirz, Robert, Milwaukee, Wis. Necktie holder. 1,510,431; Sept. 30.

Withall, Albert P., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,510,369; Sept. 30.

Wohlrab, Paul B., Racine, Wis. Steering gear. 1,510,432; Sept. 30.

Wolf, Fred A., Quincy, Ill. Phonograph cabinet. Des. 65,711; Sept. 30.

Wolfe, William S., Akron, Ohio. Tire tread. Des. 65,712; Sept. 30.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture body. Des. 65,713; Sept. 30.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Backplate for lighting fixtures or similar articles. Des. 65,714; Sept. 30.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Backplate for lighting fixture or similar article. Des. 65,715; Sept. 30.

Woodford, Watson H., Bridgeport, Conn. Regulating conductor for electric heaters. 1,510,125; Sept. 30.

Woods, Emmett R. (See Huth, L. R., and Ahlers, assignors.)

Workman, Ellison A. (See Robinson, Edward A., assignor.)

Wright, Charles C. (See Watson, Charles N., assignor.)

Yeakel, Herbert F., Pittsburgh, Pa. Sanitary water-closet seat. 1,510,126; Sept. 30.

Yngve, Victor, South Orange, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Dry cell. 1,510,127; Sept. 30.

Zacklewich, Camille A., Paris, France. Apparatus for the control of the leaves of weaving looms. 1,510,168; Sept. 30.

Zeagler, Bennie L., assignor to The Martin Wagon Company, Lufkin, Tex. Eight-wheel wagon. 1,510,072; Sept. 30.

Zeh, Edmund W., Newark, N. J. Lock for clutch striking pins and the like. 1,509,857; Sept. 30.

Zielinski, John H., Hartford, Conn. Rotary brush. 1,509,892; Sept. 30.

Ziemc, Martin A., Minneapolis, Minn. Cigarette container and dispenser. 1,509,893; Sept. 30.

Zlustein, Michael, assignor to The Sovereign Silk Co., New York, N. Y. Shoe. Des. 65,716; Sept. 30.

Zublin, John A., Los Angeles, Calif. Packing structure and making same. 1,510,073; Sept. 30.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF SEPTEMBER, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Advertising device. J. A. Janney. 1,510,280; Sept. 30.
Aeroplane. M. Gold. 1,510,317; Sept. 30.
Agricultural-implement frame. R. C. Caughey. 1,509,826; Sept. 30.
Air compressors. Oil cup for. W. A. Balmanno. 1,509,895; Sept. 30.
Air fluid lift, Compressed-. R. W. Richmond. 1,510,105; Sept. 30.
Airplane safety cage. W. A. Lorenz. 1,509,962; Sept. 30.
Airship, Rigid. G. Unger. 1,510,427; Sept. 30.
Aligner clamp. R. C. Grossenbach. 1,509,835; Sept. 30.
Alkali-metal salts, Separation. C. E. Dolbear. 1,510,046; Sept. 30.
Alloy and apparatus made therefrom. A. Pacz. 1,510,242; Sept. 30.
Anthraquinone derivatives, Production of. J. H. Sachs and V. S. Babasinian. 1,509,846; Sept. 30.
Arch support. A. O. and L. V. Cobbs. 1,510,308; Sept. 30.
Ash tray and match holder, Combination. C. W. Girsch. 1,509,999; Sept. 30.
Ashes and clinkers falling from the grates of boilers or other furnaces, Apparatus for removing. A. Hossack. 1,510,277; Sept. 30.
Assembling cover. H. van Rijmenam. 1,510,360; Sept. 30.
Auger guide. R. B. Harding. 1,510,219; Sept. 30.
Automobile cylinders, Apparatus for cleaning. U. C. Pemberton. 1,510,157; Sept. 30.
Automobile hoist. F. C. Christman. 1,510,209; Sept. 30.
Automobile hood, clamp. R. G. Moore. Re15,920; Sept. 30.
Automobile jack. S. J. Vesley. 1,510,362; Sept. 30.
Automobile jacks, Telescopic handle for. J. J. Mizer. 1,510,012; Sept. 30.
Automobile lifting jack. J. R. Robertson. 1,510,345; Sept. 30.
Automobile signal. C. F. Bliss. 1,510,032; Sept. 30.
Automobile tread. S. T. Walkup. 1,510,251; Sept. 30.
Automobiles and the like, Steering wheel for. F. H. Stanwood. 1,509,883; Sept. 30.
Automobiles, Device for towing. J. W. Cribbins. 1,510,257; Sept. 30.
Automobiles, Direction indicator for. F. A. Matzke. 1,510,188; Sept. 30.
Automobiles, Gas producer for use in. H. W. Bamber. 1,510,375; Sept. 30.
Automobiles, Steering-wheel brake for. G. P. Dorris. 1,510,264; Sept. 30.
Avocado picking bag. H. Michelsen. 1,509,972; Sept. 30.
Bag: *See*—
Avocado-picking bag. Mail bag.
Bake pan. L. R. Huth and D. E. Ahlers. 1,510,279; Sept. 30.
Baler, Power. A. A. Allison. 1,510,371; Sept. 30.
Ball-lock release and spring-actuating mechanism. G. J. Henry. 1,510,445; Sept. 30.
Bank cage. T. Bond. 1,510,206; Sept. 30.
Batteries, Electrode or grid for storage. J. M. Allen. 1,509,992; Sept. 30.
Batteries, Testing device for dry. D. W. Landes. 1,509,959; Sept. 30.
Battery support, Storage-. J. M. Manning. 1,510,184; Sept. 30.
Battery with an absorbed liquid, Electric. G. Weissmann. 1,510,364; Sept. 30.
Beads to fabrics, Machine for attaching. R. Bolandi. 1,510,378; Sept. 30.
Bearing, Antifriction. A. M. Brenne. 1,510,297; Sept. 30.
Bearing, Antifriction. K. Williams. 1,510,367; Sept. 30.
Bearing-cooling device. R. A. McCarty. 1,509,964; Sept. 30.
Bearing for oscillatory motion. C. G. von Post. 1,510,118; Sept. 30.
Bearing-retaining device, Resilient-shaft-. E. Rugatti. 1,510,303; Sept. 30.
Bedpan and mattress, Combined. A. M. Harper. 1,510,273; Sept. 30.
Bell ringer. A. H. Miller. 1,510,446; Sept. 30.
Belt conveyer. B. Forbes. 1,510,051; Sept. 30.
Beverage shaker. L. W. Rice. 1,509,981; Sept. 30.
Bicycle pedal. J. H. Graham. 1,509,834; Sept. 30.
Blade-fastening means. J. F. Johnson. 1,510,146; Sept. 30.
Block: *See*—
Nozzle block. Tuyère block.
Board: *See*—
Stove board.
Boat, Collapsible. F. J. Collet. 1,509,827; Sept. 30.

Bobbin-holding device for stationary magazines. A. Compagna. 1,509,931; Sept. 30.
Boilers and other furnaces, Gas burner for. W. Canfield. 1,510,039; Sept. 30.
Bolter, Rotary. J. H. Letz. 1,509,960; Sept. 30.
Book. W. A. Radford. 1,510,194; Sept. 30.
Books, Cover for check. H. E. Ewing. 1,510,213; Sept. 30.
Booth or tent, Portable. A. Severin. 1,509,881–2; Sept. 30.
Boring machine, Cylinder-. A. Dickerson. 1,510,389; Sept. 30.
Bottle cases, Attachment for milk-. O. E. Perkins. 1,510,191; Sept. 30.
Bottle closure, Milk-. W. F. Goodwin. 1,510,397; Sept. 30.
Bottle holder. L. M. Elliott. 1,509,940; Sept. 30.
Bottle, Nursing. J. C. Wangen. 1,510,363; Sept. 30.
Bottle unloader, Automatic. C. A. Miller. 1,510,096; Sept. 30.
Bottle unloader, Automatic. C. A. Miller, sr. 1,510,097; Sept. 30.
Box: *See*—
Cigarette box. Fuse box.
Brace: *See*—
Knee brace.
Bracelet or carring and making same. Bead. C. H. Sherman. 1,510,421; Sept. 30.
Bracket: *See*—
Dump body bracket.
Brake: *See*—
Fluid-pressure brake. Vehicle brake.
Hand brake.
Brake. M. B. A. Doring. 1,510,390; Sept. 30.
Brake and door control. H. D. Hukill. 1,509,951; Sept. 30.
Brake-cooling device. S. G. Down. 1,509,937; Sept. 30.
Brake hanger, Articulated. F. Schaefer. 1,509,907; Sept. 30.
Brassière. A. Volliva. 1,510,428; Sept. 30.
Brickmaking and like press. T. Stanley. 1,510,349; Sept. 30.
Bridge, Bascule. A. O. Cunningham. 1,510,043; Sept. 30.
Brush-holder rocker ring. B. S. Moore. 1,509,974; Sept. 30.
Brush, Rotary. J. H. Zielinski. 1,509,892; Sept. 30.
Building construction. W. H. Hicks. 1,510,224; Sept. 30.
Building construction. W. D. Mann. 1,510,234; Sept. 30.
Bumper. S. H. Shaw. 1,510,112; Sept. 30.
Bung and faucet lock. H. S. Marsh. 1,510,289; Sept. 30.
Burner: *See*—
Gas burner. Liquid hydrocarbon burner.
Liquid-fuel burner.
Burner. A. Warner. 1,510,024; Sept. 30.
Bushing extractor and inserter. A. D. Alexander. 1,510,291; Sept. 30.
Button. E. L. Anderson. 1,510,292; Sept. 30.
Button. G. Kellog. 1,510,089; Sept. 30.
Button toggle. L. S. Hapeman. 1,509,837; Sept. 30.
Cabin, Ship's. J. Fuchs. 1,509,945; Sept. 30.
Cabinets, Side plate for. C. Weesner. 1,510,025; Sept. 30.
Cable support. O. W. Brenizer. 1,510,085; Sept. 30.
Calculating machine. V. J. Odhner. 1,510,099–100; Sept. 30.
Calipers. W. F. Lustenberger. 1,510,285; Sept. 30.
Camera. W. C. Menyhart and B. Katz. 1,510,410; Sept. 30.
Can opener and paring knife. R. H. Bowers. 1,509,927; Sept. 30.
Can perforator. C. A. Gordy. 1,509,867; Sept. 30.
Candlesticks or analogous articles, Combined base and body for. H. Neghaur. Des. 65,696; Sept. 30.
Caoutchouc, Accelerator for the vulcanization of. C. W. Bedford. 1,510,074; Sept. 30.
Cape, Children's. L. B. McNair. Des. 65,694; Sept. 30.
Capsule. L. W. Cyrenius. 1,510,260; Sept. 30.
Car, Bolster-arm. H. E. Austin and J. C. Cook. 1,510,202; Sept. 30.
Car chimney. A. J. Filkins. 1,510,265; Sept. 30.
Car, Mine. J. C. H. Lubken. 1,509,963; Sept. 30.
Car replacer. B. B. Gibbs. 1,510,396; Sept. 30.
Car seal. C. R. Bostwick. 1,509,925; Sept. 30.
Car wheel. E. H. Fahrney. 1,509,942; Sept. 30.

Carbon compounds, Production of oxidized. R. B. Murtin. 1,510,150; Sept. 30.
Carbon dioxide advantageously, Purifying. A. A. Backhaus. 1,510,373; Sept. 30.
Carbon from peat, Making decolorizing. J. W. Lendbeater. 1,510,284; Sept. 30.
Carbons, Making decolorizing. A. A. Backhaus. 1,510,131; Sept. 30.
Carburetor. F. H. Arnott. 1,510,028; Sept. 30.
Carburetor. F. Baverey. 1,510,293; Sept. 30.
Carburetor. E. G. Gage. 1,509,946; Sept. 30.
Carpet-beating machine. J. Had. 1,510,319; Sept. 30.
Carrier: *See*—
Kit carrier. X-ray-film carrier.
Case: *See*—
Cigarette case.
Caster, Swivel. O. Brinizenhofe. 1,510,300; Sept. 30.
Casting machine for the manufacture of core castings such as tubes and the like. E. Ericsson. 1,509,896; Sept. 30.
Catchup cap. C. Hammer. 1,509,949; Sept. 30.
Chair: *See*—
Easy chair. Surgical and dental chair.
Chair glide and making the same. W. Raeburn. 1,509,980; Sept. 30.
Chalker, Line. S. F. Nash. 1,510,329; Sept. 30.
Checkhook. W. N. Vance. 1,509,854; Sept. 30.
Christmas trees and the like, Light for. J. Johnston. 1,510,230; Sept. 30.
Chuck, Pneumatic. G. W. Fry. 1,509,997; Sept. 30.
Chute or slideway. J. C. Malone. 1,510,288; Sept. 30.
Cigarette box. G. A. MacVey. 1,510,094; Sept. 30.
Cigarette case. K. Newmark. 1,510,331; Sept. 30.
Cigarette case. C. N. Watson. 1,510,429; Sept. 30.
Cigarette container and dispenser. M. A. Zieme. 1,509,893; Sept. 30.
Cigarette mouthpieces, Machine for forming. F. H. B. Stelzer. 1,510,248; Sept. 30.
Clamp: *See*—
Aligner clamp.
Cleaning mechanism. C. L. Rayfield. 1,510,015; Sept. 30.
Cleat. W. W. Campbell. 1,510,306; Sept. 30.
Clip: *See*—
Rail-anchoring clip.
Closet: *See*—
Mine closet. Sanitary closet.
Clothes drainer. E. W. Hackney. 1,510,077; Sept. 30.
Clothes hanger. A. L. Hamson. 1,510,056; Sept. 30.
Clothesrack, Collapsible. C. B. Harmount. 1,510,272; Sept. 30.
Clutch. E. E. Wemp. 1,510,123; Sept. 30.
Clutch striking pins and the like, Lock for. E. W. Zeh. 1,509,857; Sept. 30.
Coat collar and making the same. I. Miller. 1,509,841; Sept. 30.
Coating apparatus. F. M. Furber. 1,509,866; Sept. 30.
Cock and blow-off valve, Gauge. G. Odum. 1,510,190; Sept. 30.
Cock, Pet. R. E. Edick. 1,509,862; Sept. 30.
Cock, Self-closing pet. F. A. B. Holmes. 1,510,002; Sept. 30.
Coding machine, Electric. E. H. Hebern. 1,510,441; Sept. 30.
Coffee-making device, Drip-. C. T. Long. 1,509,961; Sept. 30.
Coffee-urn-heating device. V. A. Gihlstrom and E. E. Lavallcur. 1,510,268; Sept. 30.
Coin sorter. J. D. Hedrick. 1,509,950; Sept. 30.
Collar points, Fastener for soft-. J. Crnoev. 1,510,258; Sept. 30.
Comb: *See*—
Toilet heating comb.
Comb and knife casing. C. H. Sherman. 1,510,420; Sept. 30.
Combing machine. J. W. Nasmith. 1,510,098; Sept. 30.
Combustible-mixture-forming device. H. A. Tedman. 1,510,423; Sept. 30.
Commode, Portable. H. P. Jones. 1,510,061; Sept. 30.
Compressors and the like, Control system for. B. S. Aikman. 1,510,169; Sept. 30.
Compressors, Regulator for. W. Raymond. 1,510,161; Sept. 30.
Concentrator. A. H. Stebbins. 1,509,914–15; Sept. 30.
Concrete and steel construction, Reenforced. R. H. Robinson. 1,510,163; Sept. 30.
Concrete construction, Apparatus for measuring materials in. H. D. Palmer and J. W. Brhel. Re15,921; Sept. 30.
Concrete-pipe-making machine. B. Heffer. 1,510,220; Sept. 30.
Contact, Separable. R. B. Benjamin. 1,509,822; Sept. 30.
Control apparatus. H. H. Johnston. 1,509,954; Sept. 30.
Control apparatus. K. A. Simmon and H. R. Meyer. 1,509,984; Sept. 30.
Controller handle, Safety. C. C. Farmer. 1,509,943; Sept. 30.
Cooker, Automobile. F. L. Haines. 1,510,054; Sept. 30.
Cooking and heating devices, Safety device for electric. H. Maybaum. 1,510,409; Sept. 30.
Cooking plate. E. H. Baldwin. 1,510,030; Sept. 30.
Cooking vessel. R. J. Morgan and R. H. Wentorf. 1,509,975; Sept. 30.
Cooling substance. P. D. Pauls. 1,510,340; Sept. 30.
Coring device. C. H. Boyle. 1,509,858; Sept. 30.

Corn listers, Truck row guide attachment for. L. J. Stark. 1,509,908; Sept. 30.
Corn sheller. A. E. Gilman. 1,509,833; Sept. 30.
Cotton-hull-extracting machine. J. A. Streun. 1,510,069; Sept. 30.
Cotton tramper. J. T. Beaty. 1,510,205; Sept. 30.
Coupling: *See*—
Hose coupling. Train-line coupling.
Coupling and change-speed gear, Hydraulic. S. G. Wingquist. 1,510,368; Sept. 30.
Crate. C. E. Gerberich. 1,509,832; Sept. 30.
Creeper. J. Rau. 1,510,104; Sept. 30.
Cryptographic apparatus. A. C. Caballero. 1,509,929; Sept. 30.
Cupola, Ventilating. H. Silver. 1,509,848; Sept. 30.
Curbing. E. H. Cannady. 1,509,860; Sept. 30.
Cut-off, Automatic. I. M. Channell. 1,510,386; Sept. 30.
Cutter: *See*—
Pipe cutter.
Desk pad and stand. T. D. Oakley. 1,509,842; Sept. 30.
Door and lock, Silo. F. J. Oberer. 1,510,014; Sept. 30.
Door opener. J. L. Robb. 1,510,106; Sept. 30.
Draft appliance. T. J. Feely. 1,510,391; Sept. 30.
Drag, Rock-removing road. V. R. Kuhnes. 1,509,958; Sept. 30.
Drainpipes, Device for opening stopped. R. G. Du Bois. 1,510,212; Sept. 30.
Driver. L. R. Christie. 1,510,307; Sept. 30.
Drill. W. S. Johnson. 1,510,282; Sept. 30.
Drilling and grinding machine, Combined. L. Ambrosio. 1,510,372; Sept. 30.
Drilling machines, Change-speed mechanism for. W. T. Sears. 1,509,880; Sept. 30.
Dry cell. V. Yngve. 1,510,127; Sept. 30.
Dump-body bracket. J. S. Rasnick, R. A. Buttery, and E. L. Lusk. 1,509,875; Sept. 30.
Dumping press. C. C. Hughes and J. Lewis. 1,510,088; Sept. 30.
Dust collector. A. H. Stebbins. 1,509,910–12; Sept. 30.
Dust extractor. A. H. Stebbins. 1,509,913; Sept. 30.
Dyeing machine. J. H. Thompson. 1,510,351; Sept. 30.
Dyeing machines, Driving head for. J. H. Thompson. 1,510,352; Sept. 30.
Dyeing opalescent and fluorescent effects on wool and fur felt. J. K. von Gal. 1,510,250; Sept. 30.
Ear tag. A. H. Berntson. 1,510,083; Sept. 30.
Easy chair. P. F. Hearsch. 1,510,275; Sept. 30.
Edging machine. A. E. Maynard. 1,510,010; Sept. 30.
Educational device. F. M. C. Wheaton. 1,509,889; Sept. 30.
Egg grader, Automatic. E. Goodwin. 1,510,218; Sept. 30.
Electric generator. F. J. Terwilliger. 1,509,884; Sept. 30.
Electric-socket plug. W. J. Smith. 1,510,247; Sept. 30.
Electric switch. H. I. Washburn. 1,510,122; Sept. 30.
Electric vibrator. G. de Cairos-Rego. 1,510,138; Sept. 30.
Electrical apparatus. J. A. Proctor. 1,510,341; Sept. 30.
Electrical circuits, Cut-out for. E. H. Jacobs. 1,510,227; Sept. 30.
Electrical fixture connection. P. R. Kuhn. 1,509,839; Sept. 30.
Electrical switch. F. E. Kloss. 1,510,064; Sept. 30.
Elevator: *See*—
Mine elevator. Sucker-rod elevator.
Engine: *See*—
Internal-combustion engine.
Engine starter. C. O. Howland. 1,510,226; Sept. 30.
Engines, Diluting device for internal-combustion. L. C. Moore. 1,510,151; Sept. 30.
Engines, Electric ignition apparatus for internal-combustion. J. Bohli. 1,510,437; Sept. 30.
Engines, Indicating device for internal-combustion. S. Jencick. 1,510,281; Sept. 30.
Engines, Valve for drilling. H. S. Myers. 1,510,153; Sept. 30.
Eraser support. M. M. Hunting. 1,509,952; Sept. 30.
Ethylesters of halogen sulphonic acids, Production of. W. Traube. 1,510,425; Sept. 30.
Expansion percussion bit for drilling or boring operations. J. H. Herman. 1,510,222; Sept. 30.
Explosive and its manufacture. W. M. Dehn. 1,509,935; Sept. 30.
Explosive and its manufacture. W. O. Snelling. 1,510,348; Sept. 30.
Extractor: *See*—
Dust extractor.
Fabric for various uses, Making moldable. R. F. Bacon and C. H. Kidwell. 1,509,920; Sept. 30.
Fan. C. W. Johnson. 1,509,953; Sept. 30.
Fanning-mill gate. N. C. O. P. Jacobsen. 1,510,228; Sept. 30.
Fare holder. W. J. Coleman. 1,509,861; Sept. 30.
Fermentation process. A. Römer. 1,510,195–6; Sept. 30.
Filing and indexing equipment. J. T. Quigley. 1,510,160; Sept. 30.
Fish nursery. D. C. Pryor. 1,509,979; Sept. 30.
Flatirons, Automatic cut-out for electric. F. Thornton, jr. 1,509,989; Sept. 30.
Floodgate. A. J. Bold. 1,510,033; Sept. 30.
Flower, Artificial. F. Beyer. 1,510,031; Sept. 30.
Fluid-pressure brake. G. H. Martin. 1,509,970; Sept. 30.

Fluids under pressure, Controlling. J. G. Elkin. 1,509,939; Sept. 30.
Flytrap. J. Pelyp. 1,509,874; Sept. 30.
Forceps. F. Pietz and J. Coletti. 1,510,416; Sept. 30.
Frame: *See*—
Agricultural-implement frame.
Hammock frame.
Friction joint, Rotative. E. G. K. Anderson. 1,510,027; Sept. 30.
Fuel mixer. J. C. Whiteman. 1,510,366; Sept. 30.
Fuel oil burners, Generator heads for. S. H. Lesh. 1,510,093; Sept. 30.
Fuel tanks, Protecting device for. L. Broguet. 1,510,133; Sept. 30.
Furnace and means for controlling the draft therein. W. M. Duncan. 1,509,995; Sept. 30.
Furnace-balancing system, Electric-. R. D. Evans. 1,509,941; Sept. 30.
Furnaces and blast furnaces, Blast of cupola. M. Gottschalk. 1,510,271; Sept. 30.
Furnaces, Electrode for electrometallurgical. B. E. Broadwell. 1,510,134; Sept. 30.
Furnaces, Firing retort. D. T. Day. 1,510,045; Sept. 30.
Furniture, Folding legs for articles of. F. G. Heard. 1,510,171; Sept. 30.
Furniture, Willow or cane. J. J., P. J., and J. P. Fess. 1,509,865; Sept. 30.
Fuse box. G. B. Thomas. 1,510,350; Sept. 30.
Game. F. L. Ordway. 1,509,873; Sept. 30.
Game apparatus. C. P. Caulkins. 1,510,385; Sept. 30.
Games resembling lawn tennis, Appliance for playing. W. Hopwood. 1,510,402; Sept. 30.
Garment. L. Miller. 1,509,973; Sept. 30.
Garment and shoulder strap therefor. L. Darling. 1,510,388; Sept. 30.
Garment, Combination. L. Kahn. 1,510,443; Sept. 30.
Garment supporter and protector. W. C. Landon. 1,510,325; Sept. 30.
Gas burner. M. D. and O. L. M. Hoover. 1,510,060; Sept. 30.
Gas retorts, Apparatus for charging and discharging. J. G. W. Aldridge. 1,510,370; Sept. 30.
Gasoline from natural gas, Apparatus for separating. G. M. Turner. 1,510,354; Sept. 30.
Gasoline, Recovering. F. E. Hosmer. 1,510,433–4; Sept. 30.
Gate: *See*—
Fanning-mill gate.
Gauge: *See*—
Pressure gauge. Snap gauge.
Gear, Vehicle running. W. B. Uffert and C. W. Powell. 1,510,356; Sept. 30.
Generator: *See*—
Electric generator.
Golf apparatus. O. B. Monosmith. 1,510,239; Sept. 30.
Golf-bag handle. G. L. Pierce. 1,510,415; Sept. 30.
Golf-practice register. F. A. Caton. 1,509,825; Sept. 30.
Golf tee. W. A. Budrow. 1,510,302; Sept. 30.
Governor for gas mains, Volume. J. Van Ackeren. 1,510,115; Sept. 30.
Grading machine. D. B. Carr. 1,510,076; Sept. 30.
Guide. H. Schmidt. 1,510,110; Sept. 30.
Gun, Aircraft. K. Rösner. 1,510,109; Sept. 30.
Hair cutting appliance. S. Severson. 1,509,847; Sept. 30.
Hair waver and curler. A. Van Gale. 1,510,359; Sept. 30.
Hair waving, Appliance for permanent. A. H. Bongers. 1,510,448; Sept. 30.
Hammer guide, Power-. T. Andersen. 1,509,821; Sept. 30.
Hammock frame, Couch-. D. M. Lillibridge. 1,510,407; Sept. 30.
Hand brake. J. F. O'Connor. 1,510,333; Sept. 30.
Hand brake. A. P. Witball. 1,510,369; Sept. 30.
Handbag. M. White. Des. 65,710; Sept. 30.
Handle: *See*—
Controller handle. Switch handle.
Golf-bag handle.
Handle and making same. M. J. Goldman. 1,510,142; Sept. 30.
Hanger: *See*—
Brake hanger. Clothes hanger.
Hatch cover fitting. W. W. Campbell. 1,510,305; Sept. 30.
Hatchet pick. W. C. Davis. 1,510,262; Sept. 30.
Headlight, Adjustable. J. B. Watson. 1,510,200; Sept. 30.
Headrest. B. A. Martin. 1,510,187; Sept. 30.
Heater for stock-watering tanks. E. Nichols. 1,510,412; Sept. 30.
Heaters, Regulating conductor for electric. W. H. Woodford. 1,510,125; Sept. 30.
Heel-grooving machine. D. O. Marshall. 1,510,009; Sept. 30.
Hobby horse. O. H. Gentry. 1,510,316; Sept. 30.
Holder. J. L. Scott. 1,510,198; Sept. 30.
Hollow bodies, Molding. J. von Vass. 1,510,117; Sept. 30.
Hoop setter. P. F. Flower. 1,510,050; Sept. 30.
Hose coupling. E. H. Gold and E. A. Russell. 1,510,000; Sept. 30.
Hose reel. F. C. Bell. 1,509,993; Sept. 30.
Hot-water-boiler heaters, Thermostatic controlling device for. W. R. Breeds. 1,509,928; Sept. 30.
Hub construction. W. Hovey. 1,510,278; Sept. 30.
Hub for impellers with turnable vanes. J. E. Euglesson. 1,510,436; Sept. 30.
Hydrogen or gases rich in hydrogen, Manufacturing. J. H. West, A. Jaques, and C. B. Tully. 1,510,442; Sept. 30.
Ice-making apparatus. R. G. Kaping. 1,510,324; Sept. 30.
Illuminated tongue depressor. W. J. Cameron. 1,510,304; Sept. 30.
Incinerator. T. Fogg. 1,510,393; Sept. 30.
Indicator: *See*—
Speed Indicator.
Inking-apparatus, Mechanical. C. F. Weldon. 1,509,888; Sept. 30.
Inking pad and stamp rack. E. F. Cunningham. 1,510,312; Sept. 30.
Inner-tube-patching stand. W. L. McGowan and L. Lame. 1,510,182; Sept. 30.
Insulated terminal for electrical apparatus. R. D. Mershon. 1,509,971; Sept. 30.
Internal-combustion engine. C. A. Bjornsson. 1,509,924; Sept. 30.
Jack: *See*—
Automobile jack. Lifting jack.
Automobile lifting jack. Spreading jack.
Jewelry box. M. J. Karpeles. Des. 65,690; Sept. 30.
Joint: *See*—
Friction joint.
Joint construction and forming the same. G. Perry. 1,510,243; Sept. 30.
Journal boxes, Lubricating means for. B. H. Blose. 1,510,377; Sept. 30.
Key guard, clothes hook, and towel rack, Combined. N. A. Bertrand. 1,510,294; Sept. 30.
Kiln and cooler, Rotary. J. S. Fasting. 1,510,140; Sept. 30.
Kiln, Reversible-circulation internal-fan. R. Thelen. 1,509,849; Sept. 30.
Kit carrier. E. D. Myers. 1,510,240; Sept. 30.
Knee brace. R. A. Lycheu. 1,510,408; Sept. 30.
Knitting machines, Fabric receiver for. M. C. Miller. 1,509,871; Sept. 30.
Labeling machine. C. W. Lakey and E. L. Crouch. 1,510,091; Sept. 30.
Lamp, Automobile. C. Reinker. 1,510,344; Sept. 30.
Lamp shade. A. J. D. Ohm. Des. 65,703; Sept. 30.
Lamp shade or similar article. W. H. Fulper. Des. 65,685–6; Sept. 30.
Lamp stand, Electric. A. Aronson. 1,510,130; Sept. 30.
Lamp, Vehicle signal. W. A. Bell. Des. 65,682; Sept. 30.
Lapping machine. B. H. Blood. 1,509,823; Sept. 30.
Last. J. McMonagle. 1,510,286; Sept. 30.
Latch. W. E. Jones. 1,510,403; Sept. 30.
Lathe dog. T. Fish. 1,510,141; Sept. 30.
Leaks in metal utensils, Repairing. G. H. King. 1,510,149; Sept. 30.
Leaves of weaving looms, Apparatus for the control of the. C. A. Zackiewich. 1,510,168; Sept. 30.
Lifting grab, Automatic. S. C. Knight. 1,510,176; Sept. 30.
Lifting jack. J. J. Mizer. 1,510,011; Sept. 30.
Light: *See*—
Port light.
Light, license plate, and holder therefor, Rear. J. A. Adler. 1,510,026; Sept. 30.
Lights, Counterbalance for stage. A. Hauck. 1,510,399; Sept. 30.
Lights, Machine for molding night. W. H. Day. 1,510,210; Sept. 30.
Lighting-fixture band. A. J. D. Ohm. Des. 65,701; Sept. 30.
Lighting-fixture body. H. H. Wolter. Des. 65,713; Sept. 30.
Lighting-fixture canopy. B. Newland. Des. 65,697; Sept. 30.
Lighting fixture, Ceiling. A. J. D. Ohm. Des. 65,704; Sept. 30.
Lighting-fixture, Wall. A. J. D. Ohm. Des. 65,700; Sept. 30.
Lighting fixture wall bracket. A. J. D. Ohm. Des. 65,702; Sept. 30.
Lighting fixtures or similar articles, Backplate for. H. H. Wolter. Des. 65,714–15; Sept. 30.
Liquid container. G. Schworetzky. 1,509,983; Sept. 30.
Liquid dispenser. G. A. Bobrick. 1,510,075; Sept. 30.
Liquid-fuel burner. F. Korner. 1,510,404; Sept. 30.
Liquid-hydrocarbon burner. F. R. MacDonald, W. R. A. Pickersgill, and F. S. Lovick-Johnson. 1,510,183; Sept. 30.
Loader. W. B. Wiese. 1,509,918; Sept. 30.
Lock: *See*—
Nut lock. Trunk lock.
Stamp lock.
Locomotive. J. E. Osmer. 1,509,977; Sept. 30.
Loom. W. S. Wells. 1,510,365; Sept. 30.
Looms, Crank-shaft gear for. W. H. Thompson and I. F. Cape. 1,509,988; Sept. 30.
Lubricating device. C. H. Steinbrecher. 1,510,422; Sept. 30.
Lubricator: *See*—
Wire-line lubricator.
Lunch kit. B. Charsky. 1,509,930; Sept. 30.
Machine belts, Manufacturing. F. F. Brucker. 1,510,449; Sept. 30.
Machine tool. J. W. Brown, jr. 1,510,135; Sept. 30.

Mail-bag-handling device. A. Ford. 1,510,214; Sept. 30.
Mail bag, Safety. H. Belz. 1,509,922; Sept. 30.
Manganese-peroxide anode. M. Hosenfeld. 1,510,173; Sept. 30.
Manganese peroxide anodes, Manufacture of. M. Hosenfeld. 1,510,172; Sept. 30.
Match safe. J. E. Neahr. 1,510,154; Sept. 30.
Material-treating machinery, Feeding mechanism for. F. Maussner and I. B. Ritter. 1,510,236; Sept. 30.
Measuring and automatic knock-off device. J. Newsom and C. P. Deal. 1,509,900; Sept. 30.
Measuring instrument, Electrical. P. MacGahan. 1,509,967; Sept. 30.
Measuring system, Electrical. H. Nyquist. 1,509,901; Sept. 30.
Mechanical movement. C. L. Johannessohn. 1,510,323; Sept. 30.
Mechanical roundabout. J. Tymkow. 1,510,355; Sept. 30.
Medicinal preparations and making the same. L. W. Cyronius. 1,510,259; Sept. 30.
Metallurgical process. W. E. Greenawalt. 1,509,947; Sept. 30.
Mine closet, Automatically-disinfected. A. Schwesig. 1,510,111; Sept. 30.
Mine door. E. L. Bailey, C. H. Scott, and W. Wiley. 1,510,374; Sept. 30.
Mine door. W. C. Canterbury. 1,510,208; Sept. 30.
Mine elevator, Safety. C. J. Mollanen. 1,510,411; Sept. 30.
Mixer: *See*—
Fluid mixer. Paint mixer.
Mixing apparatus. R. M. Temple. 1,510,165; Sept. 30.
Mono- and di-acetins, Producing a mixture of. G. J. Esselen, jr. 1,509,864; Sept. 30.
Motion-transmitting mechanism. H. G. Allen. 1,510,128; Sept. 30.
Motor-control system. E. M. Bouton. 1,509,926; Sept. 30.
Motor support and thrust member. W. G. Dunn. 1,510,047; Sept. 30.
Motors, Accelerating system for induction. J. Slepian. 1,509,985; Sept. 30.
Motors, Device for controlling the heat of internal-combustion. J. O. Forgette and R. Legois. 1,509,944; Sept. 30.
Musical instruments. J. N. Vasey. 1,510,023; Sept. 30.
Necktie holder. R. Wirz. 1,510,431; Sept. 30.
Necktie, Seamless-end. M. O. Kelly. 1,510,004; Sept. 30.
Nest, Trap. C. Razzill. 1,510,204; Sept. 30.
Nitrogen trichloride, Producing. J. C. Baker. 1,510,132; Sept. 30.
Nozzle block. H. T. Herr. 1,510,144; Sept. 30.
Nozzle, Spray. C. Kelly. 1,510,174; Sept. 30.
Nut lock. C. W. Hall. 1,509,948; Sept. 30.
Nut-shelling machine. R. A. Gleason. 1,510,269; Sept. 30.
Oil and gas, Centrifugal process of blending. G. M. Turner. 1,510,353; Sept. 30.
Ophthalmic mounting. W. A. Gunning. 1,510,091; Sept. 30.
Ophthalmic mounting. E. L. Schumacher and W. H. Boutelle. 1,510,018; Sept. 30.
Oven, Coke. E. W. King. 1,510,148; Sept. 30.
Oxygen, especially in autogenous high-temperature processes, Apparatus for utilizing noncompressed. W. Lachmann. 1,510,177; Sept. 30.
Oyster punching device. L. Dickerson. 1,510,313; Sept. 30.
Packing structure and making same. J. A. Zublin. 1,510,073; Sept. 30.
Pad. E. Madden. 1,510,095; Sept. 30.
Pail, Dinner. A. B. Perkins. 1,510,103; Sept. 30.
Paintbrush, Fountain. S. Gasparaitis. 1,509,831; Sept. 30.
Paint mixer. L. D. Ruland. 1,510,081; Sept. 30.
Pan: *See*—
Bake pan.
Paper hanger's seam roller. J. E. Brader. 1,510,034; Sept. 30.
Paper making and other purposes, Treating fibrous materials for. C. Weygang. 1,510,070; Sept. 30.
Paper or textiles, Instrument for the automatic determination of moisture in. A. R. Harvey. 1,509,869; Sept. 30.
Partition, Toilet. S. S. Roby. 1,509,845; Sept. 30.
Pen, Fountain. J. P. Benjamin. Des. 65,683; Sept. 30.
Pens, Check-canceling attachment for fountain. P. E. Ricerra. 1,509,876; Sept. 30.
Pencil, Propeller. G. R. Hudson. 1,510,079; Sept. 30.
Perforating mechanism, Paper-. D. W. Hudson. 1,509,838; Sept. 30.
Perimeter, Self-determining. H. M. Morton. 1,510,013; Sept. 30.
Phonograph cabinet. F. A. Wolf. Des. 65,711; Sept. 30.
Phonographs, Drive means for. A. A. Breder. 1,510,381; Sept. 30.
Phonographs, Repeating device for. R. W. Nicholls. 1,510,241; Sept. 30.
Phosphorus nitride, Producing. F. G. Liljenroth. 1,510,179; Sept. 30.
Photographic films, Device for producing duplicate images on. L. F. Douglass. 1,509,936; Sept. 30.
Pianos, Tone-modifying device for. R. C. Pinder. 1,510,192; Sept. 30.
Picture films, Apparatus for printing moving-. E. W. Nelson. 1,510,155; Sept. 30.
Pin or similar article. F. W. Gordon. Des. 65,687; Sept. 30.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe band. C. A. Frazier. 1,510,394; Sept. 30.
Pipe-bending machine. E. Robinson. 1,510,162; Sept. 30.
Pipe cutter. J. Conning. 1,510,256; Sept. 30.
Plane, Hand. Y. A. Brander and G. S. Gyllenberg. 1,510,295; Sept. 30.
Planter, Corn. B. F. Burkit. 1,510,036; Sept. 30.
Planters, Feeding mechanism for potato. J. Sturrock. 1,510,021; Sept. 30.
Plaster-receiving board. O. D. McFarland. 1,510,233; Sept. 30.
Plate or analogous article. H. E. Nock. Des. 65,698–9; Sept. 30.
Plate or analogous article. G. F. Parker and H. E. Nock. Des. 65,705; Sept. 30.
Plate or similar article. H. Leymarie. Des. 65,691; Sept. 30.
Plate or similar article. J. H. Ring. Des. 65,706; Sept. 30.
Playhouse structure, Knockdown. J. A. Locke. 1,510,326; Sept. 30.
Pliers. J. O. Boyle. 1,510,254; Sept. 30.
Plow. J. B. Jobson. 1,510,322; Sept. 30.
Plow standard. P. L. Fry. 1,510,314; Sept. 30.
Plows, Depth-control and power-lift device for. E. J. Rimple. 1,509,903; Sept. 30.
Plumbing system. E. Kennedy. 1,510,232; Sept. 30.
Pneumatic cushion for handlebars. H. Seibel. 1,510,199; Sept. 30.
Pneumatic feeding mechanism. E. G. Wilhelm. 1,510,252; Sept. 30.
Polishing device. D. W. McClure and H. Harris. 1,510,181; Sept. 30.
Polishing machine. R. F. Salisbury. 1,509,904; Sept. 30.
Polishing or buffing device. A. L. Van Meter. 1,510,116; Sept. 30.
Port light. D. Nechroni. 1,510,330; Sept. 30.
Pouch. M. F. Doty. 1,509,829; Sept. 30.
Powder, Bleaching. C. A. Gammal. 1,510,216; Sept. 30.
Power drive, Portable. C. F. Brainerd and G. H. Toulson. 1,510,084; Sept. 30.
Preparing substances in finely divided form. H. S. Booth and G. G. Marshall. 1,509,824; Sept. 30.
Preserving contents of containers. R. B. Waite. 1,509,916; Sept. 30.
Press: *See*—
Dumping press.
Press plates, Machine for making offset. A. T. Koppe. 1,510,007; Sept. 30.
Pressure gauge. B. P. Pryor, jr. 1,510,193; Sept. 30.
Printing presses, Gripping mechanism for. H. C. Cowdrey. 1,510,310; Sept. 30.
Printing sized paper. W. J. Murray. 1,509,872; Sept. 30.
Printing-telegraph system. G. S. Vernam. 1,509,886; Sept. 30.
Propeller or screw fan or the like in a fluid, Device for utilizing the reactive force set up by rotating a screw. G. A. Chaddock. Re15,920; Sept. 30.
Pulling device. F. J. Bradley. 1,510,035; Sept. 30.
Pump assembly. A. Rodriguez and H. Gustavson. 1,510,107; Sept. 30.
Pump liner. L. O. Clewett. 1,510,042; Sept. 30.
Pump, Rotary. H. H. Westinghouse. 1,509,917; Sept. 30.
Pumps, Discharge pipe for turbine. W. G. Noack. 1,510,156; Sept. 30.
Pumps, Oiling system for deep-well centrifugal. A. Rodriguez and H. Gustavson. 1,510,108; Sept. 30.
Punch. G. H. Spengler. 1,510,450–1; Sept. 30.
Punch and shear, Combined. L. N. Lumb. 1,510,008; Sept. 30.
Punch head. E. G. Daniels. 1,510,261; Sept. 30.
Radiator. E. G. Lindhe. 1,510,180; Sept. 30.
Rail-anchoring clip. W. M. Osborn. 1,510,339; Sept. 30.
Rail tie. J. P. Laird, sr. 1,510,090; Sept. 30.
Railway tie. W. Rost. 1,510,207; Sept. 30.
Railway-tie plate. W. M. Osborn. 1,510,338; Sept. 30.
Raincoats, Head-protecting attachment for. A. Huson. 1,510,145; Sept. 30.
Razor, Safety. A. Sniegocki. 1,510,020; Sept. 30.
Rectifying column. W. Lachmann. 1,510,178; Sept. 30.
Reed-polishing machine. J. J. Haldeman and A. W. Vogel. 1,509,836; Sept. 30.
Reel: *See*—
Hose reel.
Reel. J. G. Cook. 1,510,387; Sept. 30.
Reel. H. A. Wilcox. 1,509,890; Sept. 30.
Reenforcing member. R. R. Weaver. 1,509,887; Sept. 30.
Refraction of the eye, Apparatus for the objective determination of the. W. Thorner. 1,510,114; Sept. 30.
Refrigerating apparatus. D. F. Keith. 1,510,147; Sept. 30.
Refrigerating apparatus. G. McFarland. 1,509,966; Sept. 30.
Refrigerating comestibles, Method of and apparatus for. C. J. Thompson and P. W. Petersen. 1,509,850; Sept. 30.
Refrigerating installation. E. Rüegger. 1,510,164; Sept. 30.

Refrigerating machine. C. F. Geiger and F. C. Geiler. 1,509,998; Sept. 30.
Refrigerator, Bottle. E. C. Grace. 1,510,053; Sept. 30.
Refrigerator lining. L. G. Copeman. 1,509,932; Sept. 30.
Register: *See*—
Golf practice register.
Resistance device, Variable. L. Sutherlin. 1,509,987; Sept. 30.
Rheostat. N. E. North. 1,509,976; Sept. 30.
Rim, Demountable. J. B. Fuhr and A. A. Barnes. 1,510,395; Sept. 30.
Ring: *See*—
Brush-holder rocker ring.
Ring, Wedding. A. J. Friedman. Des. 65,684; Sept. 30.
Roller: *See*—
Paper hanger's seam roller.
Rust dissolving liquid. E. J. Norberg. 1,510,067; Sept. 30.
Sanitary closet. J. Wildman. 1,509,891; Sept. 30.
Sanitary covering for seats. T. P. Harrison. 1,509,868; Sept. 30.
Sanitary water-closet seat. H. F. Yeakel. 1,510,126; Sept. 30.
Sausage-linking machine. I. Kertes. 1,510,063; Sept. 30.
Screening device. R. H. Heller. 1,510,058; Sept. 30.
Scythe, Folding. H. Inmon. 1,510,321; Sept. 30.
Seat: *See*—
Sanitary water-closet seat.
Seat device, Automatic folding. J. E. Erickson. 1,509,863; Sept. 30.
Sewage-treating apparatus. O. A. Herrmann. 1,510,223; Sept. 30.
Sewing-machine attachment. Two-needle. R. M. Sharaf. 1,510,246; Sept. 30.
Shaving-stick container. P. K. Williams. 1,509,856; Sept. 30.
Sheet metal, Machine for spinning dished articles of. W. Herden. 1,510,400; Sept. 30.
Sheller: *See*—
Corn sheller.
Ship propulsion. L. Rask. 1,510,343; Sept. 30.
Shipping pack. J. J. Beaton. 1,509,921; Sept. 30.
Shock absorber. A. W. F. Manzel. 1,510,185; Sept. 30.
Shock-absorbing mechanism. W. A. Geiger. 1,510,267; Sept. 30.
Shock-absorbing mechanism. E. H. Schmidt. 1,510,016-7; Sept. 30.
Shock-absorbing mechanism, Friction. A. M. Breane. 1,510,298-9; Sept. 30.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,510,274; Sept. 30.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,510,332; Sept. 30.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,510,334-7; Sept. 30.
Shoe. M. Zinstein. Des. 65,716; Sept. 30.
Shoe and making same. J. M. Connell and F. E. Graves. 1,510,136; Sept. 30.
Shoe-bottom filler and making same. G. H. Maxwell. 1,510,238; Sept. 30.
Shoe-bottom filler, Apparatus for forming. G. H. Maxwell. 1,510,237; Sept. 30.
Sign, Luminous. A. A. Fair. 1,510,049; Sept. 30.
Signal: *See*—
Automobile signal.
Signal. D. E. Seeman. 1,510,419; Sept. 30.
Signaling system. E. F. Trapp. 1,509,851; Sept. 30.
Sizer, Pneumatic. A. H. Stebbins. 1,509,909; Sept. 30.
Slack adjuster, Automatic. A. E. Osborn. 1,510,101; Sept. 30.
Smoking pipe. N. E. Morgan. 1,510,290; Sept. 30.
Snap gauge, Limit. A. Meldrum and C. Gabrielson. 1,510,189; Sept. 30.
Sole and stitch removing machine. P. A. Ward. 1,510,120-1; Sept. 30.
Spark intensifier. M. Van Leuven. 1,510,166; Sept. 30.
Spark plug. O. A. Boehm. 1,510,253; Sept. 30.
Spark plug. J. Turčan. 1,509,852; Sept. 30.
Spectacle temples, Machine for inserting metal ends in. W. J. Kelley. 1,510,005; Sept. 30.
Speed indicator, Change-. N. H. Gilman. 1,510,440; Sept. 30.
Sponging machine. S. Fisher. 1,510,392; Sept. 30.
Spraying device. F. C. Kinnear. 1,510,175; Sept. 30.
Spreading jack. J. D. Tucker. 1,510,022; Sept. 30.
Spring wheel. L. R. Patterson. 1,510,414; Sept. 30.
Sprinkler head. C. T. Clifford. 1,510,444; Sept. 30.
Sprocket mounting. D. M. White. 1,510,430; Sept. 30.
Stamp lock, Dating. A. Miller. 1,510,327; Sept. 30.
Stand: *See*—
Inner-tube-patching stand. Lamp stand.
Stapling machines, Gauge for. J. W. Welch. 1,510,201; Sept. 30.
Starter casing. F. A. Dannelley. 1,510,044; Sept. 30.
Starting switch, Centrifugal. M. A. Defibaugh and R. J. Thieman. 1,510,263; Sept. 30.
Steering gear. P. B. Wohlrab. 1,510,432; Sept. 30.
Stop-watch mechanism. D. W. Mann. 1,509,899; Sept. 30.
Stove board. B. J. Carter. 1,510,040; Sept. 30.
Stove, Cooking, heating, and combination hot-water. S. V. Reeves. 1,510,245; Sept. 30.
Stoves, Combined top and truncated-cone radiating flue for oil. A. M. Goldstone. 1,510,052; Sept. 30.
Strap or band, Adjustable. C. H. Kestenman. 1,509,955; Sept. 30.
Straps, Holding means for detachable. A. W. Wadsworth and A. P. Connt. 1,509,855; Sept. 30.
Striking machine. C. L. Barnhart. 1,510,203; Sept. 30.
Stringed instruments, Sound modifier for. H. H. Slingerland. 1,510,019; Sept. 30.
Stump-cutting machine. J. T. Carroll. 1,509,994; Sept. 30.
Submarine or submersible boat. S. Lake. 1,510,283; Sept. 30.
Sucker-rod elevator. G. Nordloh. 1,510,413; Sept. 30.
Sulphur from gases, Recovery of. N. E. Rambush. 1,510,342; Sept. 30.
Supporter. J. W. Grandle. 1,510,398; Sept. 30.
Surgical and dental chair. E. Berninghaus. 1,510,376; Sept. 30.
Suspender, Friction-grip. D. Crockett. 1,510,137; Sept. 30.
Suspenders, Corset. E. A. Morgan. 1,510,152; Sept. 30.
Swath turner and side-delivery rake. W. E. Martin. 1,509,840; Sept. 30.
Swimming aid. M. L. De Witt. 1,510,211; Sept. 30.
Swing. E. M. Sprich. 1,509,986; Sept. 30.
Switch: *See*—
Electric switch. Starting switch.
Electrical switch. Transfer switch.
Switch. J. P. O'Malley. 1,510,068; Sept. 30.
Switch handle. N. J. A. Wahlberg. 1,510,119; Sept. 30.
Switch mechanism. D. D. Gordon. 1,510,270; Sept. 30.
Table. W. N. Vance. 1,509,853; Sept. 30.
Tag fastener. E. J. Bracken. 1,510,379; Sept. 30.
Tag-fastening means. E. J. Bracken. 1,510,380; Sept. 30.
Talking machines, Spring-winding attachment for. A. H. Collier and A. R. Winkler. 1,510,309; Sept. 30.
Tank cap. C. H. Martin. 1,509,969; Sept. 30.
Tap, Collapsing. A. F. Breitenstein. 1,510,296; Sept. 30.
Telephone system, Multioffice. J. Wicks. 1,510,124; Sept. 30.
Tenders, Automotive clutch-controlling device for powered. E. S. Johnson. 1,510,229; Sept. 30.
Tennis-instruction device, Lawn-. I. Plomer-Walker. 1,510,244; Sept. 30.
Terminals within connecter heads, Adjustment for. E. A. Robinson. 1,509,844; Sept. 30.
Therapeutic ray appliance. D. S. Murphy. 1,510,080; Sept. 30.
Thermal relay. A. M. MacFarland. 1,509,965; Sept. 30.
Thermocontrolled electric device. D. C. Castellanos. 1,510,384; Sept. 30.
Tie: *See*—
Rail tie. Railway tie.
Time-indicating mechanism. A. Dorsey. Des. 1,510,139; Sept. 30.
Tire. L. Fritz. 1,510,215; Sept. 30.
Tire. C. E. Murray, jr. Des. 65,695; Sept. 30.
Tire. H. H. Swan. Des. 65,708; Sept. 30.
Tire articles and the like, Making rubber. J. L. G. Dykes. 1,509,938; Sept. 30.
Tire chain. J. D. Richie. 1,509,877; Sept. 30.
Tire-chain fastener. J. F. Graham. 1,509,897; Sept. 30.
Tire, Pneumatic. J. D. Tew. Des. 65,709; Sept. 30.
Tire, Resilient. R. Iredell. Des. 65,688-9; Sept. 30.
Tire shield. A. H. Calkins. 1,509,859; Sept. 30.
Tire tread. W. S. Wolfe. Des. 65,712; Sept. 30.
Tire-valve stem. C. E. Baldwin. 1,510,029; Sept. 30.
Tires and other articles for transport, Packing. G. F. C. Powell. 1,510,159; Sept. 30.
Tires, Apparatus for mounting and demounting pneumatic. P. F. Klein. 1,509,870; Sept. 30.
Tobacco-curing apparatus. J. C. Reynolds. 1,509,902; Sept. 30.
Tobacco pipe. C. O. Johnson. 1,510,003; Sept. 30.
Toilet heating comb. S. Goldberg. 1,510,217; Sept. 30.
Toilet kit. E. M. Axness. 1,509,894; Sept. 30.
Toilet-seat attachment. W. J. Hess. 1,510,401; Sept. 30.
Tool. S. C. Burrill. 1,510,037; Sept. 30.
Toy animal. H. G. S. Stone and L. Rees. Des. 65,707; Sept. 30.
Toy fire-alarm box. F. M. Knoll. Des. 65,692; Sept. 30.
Toy, Mechanical. A. Romanzak. 1,509,879; Sept. 30.
Toy, Sounding. L. F. Kipp. 1,509,956; Sept. 30.
Traction system, Electric. G. L. Campbell, H. R. Noll, and H. G. Davis. 1,510,383; Sept. 30.
Traction wheel. W. E. Vail. 1,510,357; Sept. 30.
Tractors, Balance switch for. E. G. Green. 1,510,318; Sept. 30.
Tractors, Lifting attachment for. C. Salyards and G. B. Scheffey. 1,509,905; Sept. 30.
Traffic-signal casing. C. R. Lumley. Des. 65,693; Sept. 30.
Train line coupling, Air. S. J. Hayes. 1,510,057; Sept. 30.
Train stop, Automatic. A. Hamilton. 1,510,320; Sept. 30.
Transfer switch. F. G. von Hoorn. 1,509,990; Sept. 30.
Transformers in their oil boxes, Fixing. E. Lapp. 1,510,092; Sept. 30.
Transmission mechanism for feeders connected in a gang. E. R. Draver. 1,510,439; Sept. 30.
Trap. A. G. Smith. 1,510,346; Sept. 30.
Truck. F. W. Mussina and N. J. McMahon. 1,510,328; Sept. 30.

Trunk lock. L. Roberts. 1,509,878; Sept. 30.
Turbine blading. L. N. Thompson. 1,510,113; Sept. 30.
Turbine, pump, or propeller wheels with turnable vanes, Arrangement at hubs for. J. E. Englesson. 1,510,086; Sept. 30.
Tuyère block. F. E. Fleming. 1,510,266; Sept. 30.
Typewriter tabulator. T. E. Büschmann. 1,510,382; Sept. 30.
Typewriting machine. C. B. Corcoran. 1,509,828; Sept. 30.
Underwear, Change-quick. R. Bratton. 1,510,255; Sept. 30.
Universal machine. J. H. Wilhelm. 1,510,167; Sept. 30.
Vacuum-insulated bottle. H. L. O. Brückner. 1,510,301; Sept. 30.
Valve, Automatic expansion. H. H. Marshall. 1,510,186; Sept. 30.
Valve, Cut-off. R. G. Camblin. 1,510,038; Sept. 30.
Valve for air-brake systems, Triple. E. M. Howard. 1,510,225; Sept. 30.
Valve-grinding machine. E. F. Kiester. 1,510,006; Sept. 30.
Valve mechanism. W. P. Argy. 1,510,129; Sept. 30.
Valve mechanism, Pump-. A. S. Hawks. 1,510,143; Sept. 30.
Valve, Pressure-regulating gas. C. Seeley. 1,510,418; Sept. 30.
Valve, Rotary engine. H. L. F. Trebert. 1,509,885; Sept. 30.
Valve, Three-way. C. S. Ricker. 1,509,843; Sept. 30.
Vaporizer. E. E. Herman and L. V. Riley. 1,510,221; Sept. 30.
Vehicle brake. B. C. Smith. 1,510,347; Sept. 30.
Vehicle brake, Motor. J. F. Craig. 1,509,934; Sept. 30.
Vehicle construction, Housing for cushion connections for. A. F. Masury and A. H. Leipert. 1,510,235; Sept. 30.
Vehicle, Dumping. G. Fonlupt. 1,510,170; Sept. 30.
Vehicle, Invalid's. P. M. Cru. 1,510,311; Sept. 30.
Vehicle, Motor. W. W. Lewis. 1,510,406; Sept. 30.
Vehicle-spring cover. D. B. D. Blake. 1,510,447; Sept. 30.
Vehicles, Duplex brake mechanism for motor. A. Amedd. 1,509,919; Sept. 30.
Vehicles, Life-saving fender for. S. Advent. 1,509,991; Sept. 30.
Vehicles, Locking device for motor. E. W. Prigan. 1,510,417; Sept. 30.
Vehicles, Signal device for. L. Pace. 1,510,102; Sept. 30.
Vehicles, Visible signal for motor. F. J. Mack. 1,509,968; Sept. 30.
Velocipede. G. E. McConnell. 1,509,898; Sept. 30.
Vending and game device, Coin-controlled. H. O. Noyes and B. Kitzmiller. 1,510,438; Sept. 30.
Vending merchandise, Apparatus for. E. W. Trapp. 1,510,435; Sept. 30.
Ventilating device. E. J. Krueger. 1,509,957; Sept. 30.
Ventilator. T. Eiting. 1,509,996; Sept. 30.
Vestibule diaphragms, Buffer attachment for. W. D. Vaughn and E. M. Dickerman. 1,510,361; Sept. 30.
Veterinary obsterical instrument. A. Madland. 1,510,066; Sept. 30.
Vulcanizing apparatus. D. E. Hennessy. 1,510,276; Sept. 30.
Wafer or biscuit sandwich-making mechanism. E. E. Lawrence. 1,510,405; Sept. 30.
Wagon, Eight-wheel. B. L. Zeagler. 1,510,072; Sept. 30.
Wall form. J. Aarsrud. 1,510,082; Sept. 30.
Wall form. F. A. Poole. 1,510,158; Sept. 30.
Warehouses, Loading rack for. H. F. Haldeman. 1,510,055; Sept. 30.
Washing device. J. F. Kenney. 1,510,062; Sept. 30.
Washing machine. T. L. Jones and H. J. Gillmann. 1,510,087; Sept. 30.
Washing machines, Driving and controlling mechanism for. O. F. Fischedick and A. W. Krahn. 1,509,830; Sept. 30.
Weft-replenishing mechanism. J. R. Copland. 1,509,933; Sept. 30.
Welding and forging die. P. M. Hall. 1,510,078; Sept. 30.
Welding, Method of and machine for electric. M. B. Ryan. 1,510,197; Sept. 30.
Wells, Apparatus for separating the gas, oil, and water from oil. W. E. Adams and M. B. Hall. 1,509,820; Sept. 30.
Wheel: *See*—
Car wheel. Traction wheel.
Spring wheel.
Wheel. H. Tyd. 1,510,426; Sept. 30.
Wheel-brake mechanism, Control for four-. H. A. Fuller. 1,510,315; Sept. 30.
Wheel construction. A. Schoeneck and A. Seidel. 1,509,982; Sept. 30.
Wheel guard. E. F. Evans. 1,510,048; Sept. 30.
Wheels, Apparatus for making metallic vehicle. H. W. and A. T. Keller. 1,510,231; Sept. 30.
Window attachment, Casement-. T. E. Mack and A. E. Allen. 1,510,287; Sept. 30.
Window regulators, Adjustable stop for. P. J. Kurschedlt. 1,510,065; Sept. 30.
Window stop and antirattler. H. H. Berryman. 1,509,923; Sept. 30.
Windshield. A. L. Thompson. 1,510,249; Sept. 30.
Windshields, Duplex wiper for. W. W. Chamberlain. 1,510,041; Sept. 30.
Wire-line lubricator. G. G. Sawtelle. 1,509,906; Sept. 30.
Wood, Preparing a composition for preserving. V. Vandewoorde. 1,510,358; Sept. 30.
Wrench. O. D. Holle. 1,510,059; Sept. 30.
X-ray-film carrier. S. Tousey. 1,510,424; Sept. 30.
Zinc powder, Apparatus for producing. F. J. A. Wennergren and F. Andersen. 1,510,071; Sept. 30.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 30, 1924.

NOTE.—First number=class, second number=subclass, third number=patent number.

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